PALOMAR COLLEGE

NORTH EDUCATION CENTER - INTERIM VILLAGE SITE WORK

35090 HORSE RANCH CREEK ROAD
FALLBROOK, CA 92028

SHEET INDEX

GENERAL
HMC ARCHITECTS
3546 CONCOURS STREET
ONTARIO, CALIFORNIA 91764
PHONE (909) 989-9979

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LANDSCAPE
DPA, INC
2305 EL CAJON BLVD
SAN DIEGO, CA 92104
PHONE (619) 294-9042

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ARCHITECT
HMC ARCHITECTS
3546 CONCOURS STREET
ONTARIO, CALIFORNIA 91764
PHONE (909) 989-9979

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ELECTRICAL
JCE, INC
12875 BROOKPRINTER PLACE, SUITE 300
POWAY, CA 92064
PHONE (858) 679-4030

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CIVIL
MASSON AND ASSOCIATES
200 E. WASHINGTON AVE., SUITE 200
ESCONDIDO, CA 92025
PHONE (760) 741-3570

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PLUMBING
P2S ENGINEERING, INC
5000 EAST SPRING STREET
LONG BEACH, CA 90815
PHONE (562) 497-2999

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AV/IT
P2S ENGINEERING, INC
5000 EAST SPRING STREET
LONG BEACH, CA 90815
PHONE (562) 497-2999

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SCOPE OF WORK

WORK INCLUDED IN THE CONTRACT:

ADDITION OF NEW ROADWAYS, PARKING LOTS, SITE LIGHTING, ASPHALTIC CONCRETE PAD, AND LANDSCAPING.

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.

2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.

3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.

4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.

5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.

6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.

8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.

9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.

10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.

11. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.

12. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

13. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER.

14. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.

D.S.A. GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OR REGULATION (CCR).

2. THE SCOPE OF WORK INDICATED ON SHEET G0.10.2

3. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUALL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.

4. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.

5. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 3.

6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)

8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017*

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2015 INTERNATIONAL BUILDING CODE, VOL. 1 & 2 AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
(2015 INTERNATIONAL EXISTING BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2013 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

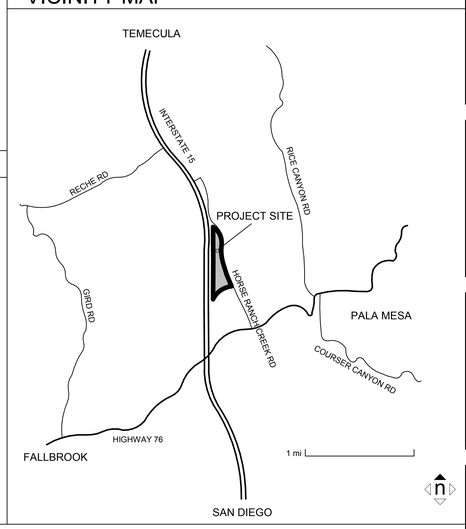
PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2013 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 EDITION
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2012 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2016 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

VICINITY MAP



ABBREVIATIONS

Ø	DIAMETER OR ROUND
+/-	PLUS/MINUS
#	POUND OR NUMBER
%	PERCENT
@	AT
°	DEGREE
℄	CENTER LINE
∠	ANGLE
⏤	PROPERTY LINE
AB	ANCHOR BOLT
ABS	ABSOLUTE
AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINIUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BTWN	BETWEEN
C	CHANNEL
CER	CERAMIC
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
C.I.P.	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
CR	CLASSROOM
CTSK	COUNTER SUNK
CTC	CENTER TO CENTER
d	PENNY
DBL	DOUBLE
DEL	DELETE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DL	DOOR LOUVER
DN	DOWN
DP	DISABLED PERSON ACCESSIBLE
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELEC	ELECTRICAL
EMT	ELECTRICAL METAL TUBING
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQPT	EQUIPMENT
EW	EACH WAY
(E)	EXISTING
EXP	ECPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER W/CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE W/ CABINET
FHWS	FLAT HEAD WOOD SCREW
FL	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FS	FINISH SURFACE
FT	FOOT OF FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GYPSUM BOARD
GFRC	GLASS FIBER REINFORCED CONCRETE
GYP	GYPSUM
HB	HOSE BIB
HDWE	HARDWARE
HM	HOLLOW METAL
HOR	HORIZONTAL
HR	HOUR
HVAC	HEATING VENTILATION AIR
ID	INSIDE DIAMETER
IN	INCH OR INCHES
INT	INTERIOR
INV	INVERT
JBOX	JUNCTION BOX
JAN	JANITOR CLOSET
LAV	LAVATORY
LB(S)	POUND(S)
MAX	MAXIMUM
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NR	NON RATED
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER-FURNISHED CONTRACTOR-INSTALLED
OFOI	OWNER-FURNISHED OWNER-INSTALLED
OH	OPPOSITE HAND
OTO	OUT TO OUT
PA	PUBLIC ADDRESS
PE	PAD ELEVATION
PERP	PERPENDICULAR
PH	PANIC HARDWARE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PM	PARTITION MOUNTED
POC	POINT OF CONNECTION
PR	PAIR
PREP	PREPARE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
R	RISER, RADIUS
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REQ	REQUIRED
RM	ROOM
RWL	RAIN WATER LEADER
RO	ROUGH OPENING
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SM	SURFACE MOUNTED
SMS	SHEET METAL SCREW
SOV	SHUT OFF VALVE
SPEC	SPECIFICATION
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
TO	TOP OF
TOC	TOP OF CURB
TOD	TOP OF DRAIN
TOP	TOP OF PARAPET
TOPL	TOP OF PLATE
TOR	TOP OF RIDGE
TOS	TOP OF SLAB
TOW	TOP OF WALL
TST	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNERCUT
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
W	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD	WOOD
WH	WATER HEATER
WI	WOODWORK INSTITUTE
WIN	WINDOW
WP	WATERPROOF
WS	WOOD SCREW
WT	WEIGHT
WWF	WELDED WIRE FABRIC
x	BY
YD	YARD

NOTE:
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

CONTACTS

ARCHITECT
HMC ARCHITECTS
3546 CONCOURS STREET
ONTARIO, CA 91764-5583
SANDRA CORAZZELLI
909.989.9979

CIVIL
MASSON &ASSSOCIATES
200 E WASHINGTON AVENUE, SUITE 200
ESCONDIDO, CA 92025
ROB D'AMARO
760.741.3570

MECHANICAL/PLUMBING/FIRE PROTECTION/TELECOM/SECURITY
P2S ENGINEERING, INC
5000 EAST SPRING STREET
LONG BEACH, CA 90815
JAMES DEL MONACO
562.497.2999

ELECTRICAL/FIRE ALARM
JCE, INC
12875 BROOKPRINTER PLACE, SUITE 300
POWAY, CA 92064
ROGER GORDON
858.679.4030

LANDSCAPE
DPA, INC
2305 EL CAJON BLVD
SAN DIEGO, CA 92104
JON POWELL
619.294.9042

Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
TITLE SHEET

Architect's Seal
BRADFORD E. GLASCOCK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	12" = 1'-0"
QAQC	SC	Drawing No.	G0.10.2
Date:	10/06/2017		

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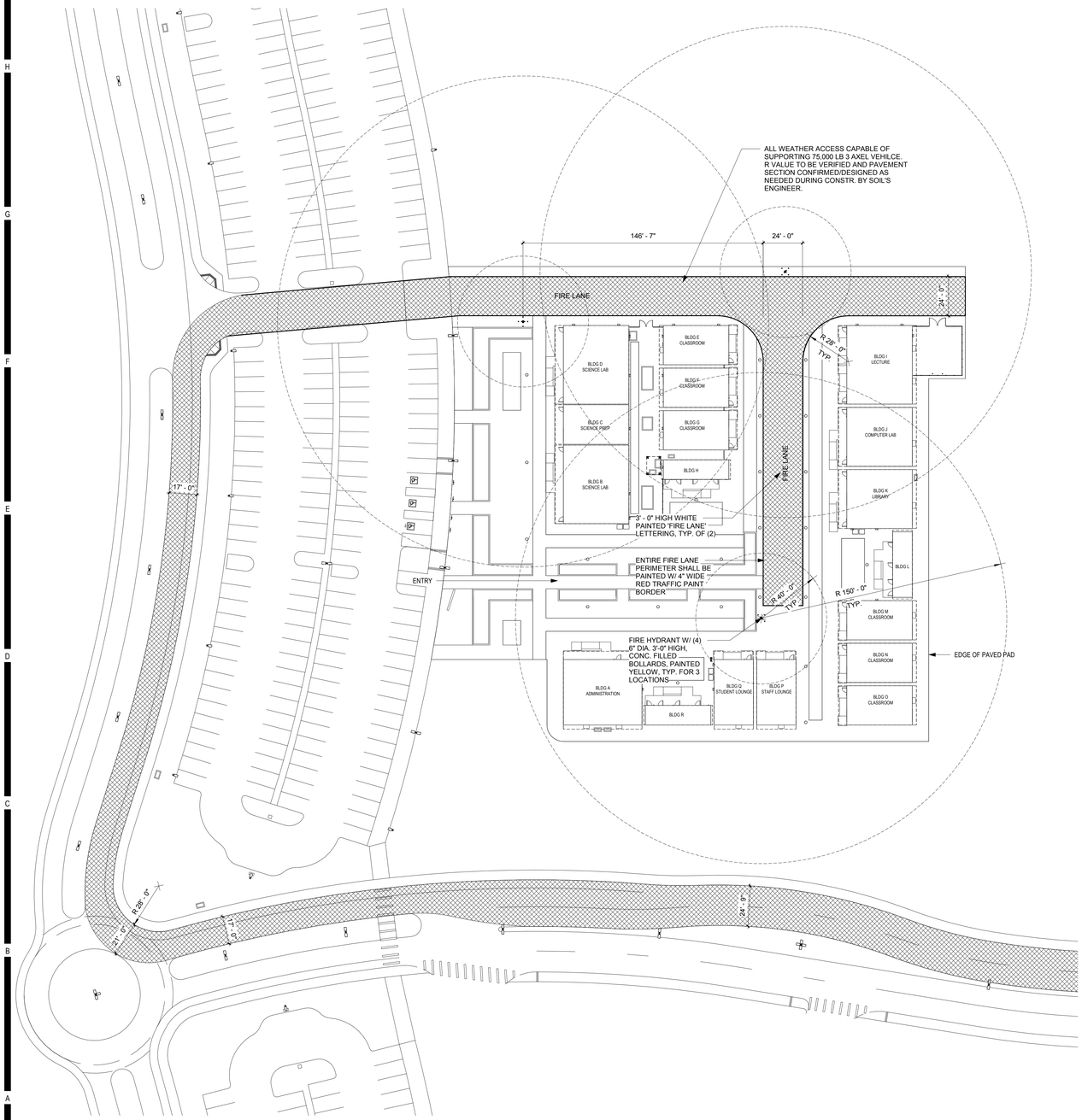
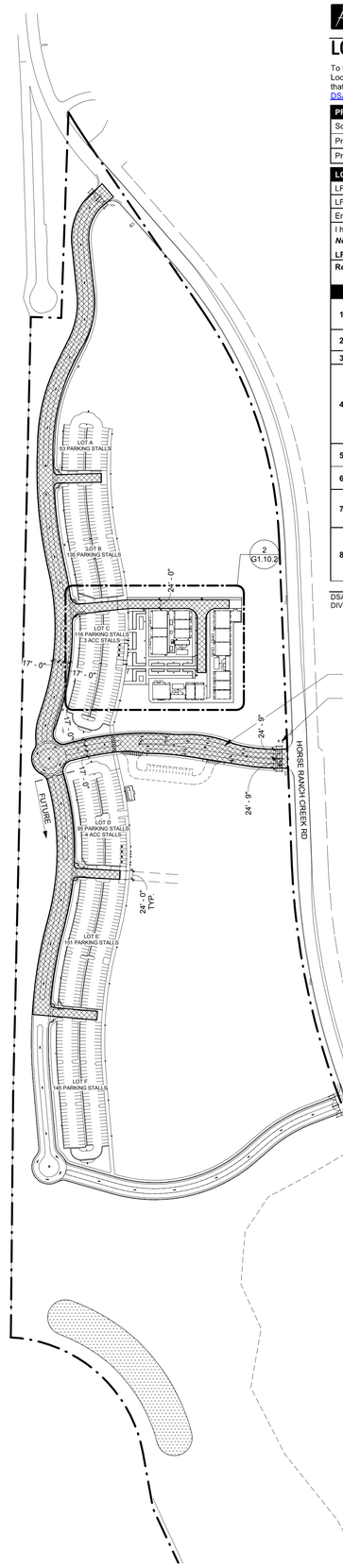
PLEASE RECYCLE

DSA SUBMITTAL



ENLARGED FIRE ACCESS - INTERIM VILLAGE | 2 | 1/32" = 1'-0"



FIRE ACCESS SITE PLAN - INTERIM VILLAGE | 1 | 1" = 160'-0"

DSA 810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION

School District/Owner: PALOMAR COLLEGE

Project Name/School: NORTH EDUCATION CENTER

Project Address: 35090 HORSE RANCH CREEK ROAD, FALLBROOK, CA 92028

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name:

LFA Reviewer Name: | Title:

Email: | Telephone Number:

I have reviewed and responded to the applicable items for this project as listed below.

***Note:** Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.*

LFA Reviewer's Signature: **Date:**

Review Key: **"Y"** = Complies with LFA requirements **"N"** = Not approved (complete Section 8) **"NA"** = Not applicable to the project **"NR"** = LFA elects not to review

	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.				
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.				
3	Fire hydrant location and distribution complies with the California Fire Code (or see # 4).				
4	Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				
	Signature of School District Official: **Date:** **Print the School District Official's Name:**				
5	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				
6	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				
7	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) ☐ Yes ☐ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies):				

DSA 810 (rev 05-12-14) | DIVISION OF THE STATE ARCHITECT | DEPARTMENT OF GENERAL SERVICES | Page 1 of 1 | STATE OF CALIFORNIA

FIRE FLOW TEST CONDUCTED 7/10/2017

RESULTS:

STATIC PRESSURE: 132 PSI
RESIDUAL PRESSURE: 119 PSI
PITOT READING: 100 PSI
ORIFICE SIZE: 2 1/2" LPD 250
FLOW: 1520 GPM
FLOW CALCULATED AT 20 PSI (RES): 4856 GPM

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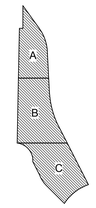
SM

LEGEND

FIRE ACCESS LANE

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LOCAL FIRE AUTHORITY ACCESS SITE PLAN

Architect's Seal

LICENSED ARCHITECT BRIAN E. LA CASSE NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	G1.10.2
Date:	10/06/2017		

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PLEASE RECYCLE

DSA SUBMITTAL

GENERAL NOTES AND REQUIREMENTS

1. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
2. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.
3. ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
4. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES: PHONE NUMBER:

   SAN DIEGO GAS AND ELECTRIC: (858)636-3980
   AT&T TELEPHONE: (858)886-1901
   CATV (TIME WARNER CABLE): (858)635-8402
   SEWER (RAINBOW MUNICIPAL WATER DISTRICT): (760)728-1125
   WATER (RAINBOW MUNICIPAL WATER DISTRICT): (760)728-1125

5. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
6. APPROVAL OF THESE PLANS BY THE DEPARTMENT OF THE STATE ARCHITECT (DSA) DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED.
7. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00AM AND 6.00PM EACH DAY, MONDAY THROUGH SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.
8. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
9. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
10. SLOPE RATIOS: CUT--2:1, FILL--2:1

STORM WATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125% SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
2. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONGTERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
3. THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. THE B.M.P.'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE MAINTENANCE OF THE B.M.P.'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE B.M.P.'S MAY RESULT IN ENFORCEMENT ACTION. IF INSTALLED B.M.P.'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
4. A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS [WDID#]. THE PERMITTEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY

EMERGENCY EROSION CONTROL MEASURES NOTES

1. ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF THE SLOPES.
3. MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
4. AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1, ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. BETWEEN OCTOBER 1, AND APRIL 15, APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE REGIONAL WATER QUALITY CONTROL BOARD..
6. GRAVEL BAG CHECK DAMS TO BE PLACED IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED.
7. THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE GRAVEL BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES

1. THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. THE BASINS SHOULD BE SEMIPERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
2. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
3. SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH GRAVEL BAGS FROM TOP OF PIPE TO TOP OF DIKE.
4. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION LEVEL WITH, AND TWO GRAVEL BAGS BELOW, THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN GRAVEL BAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER	10% 25 FEET

5. AFTER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
6. ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
7. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

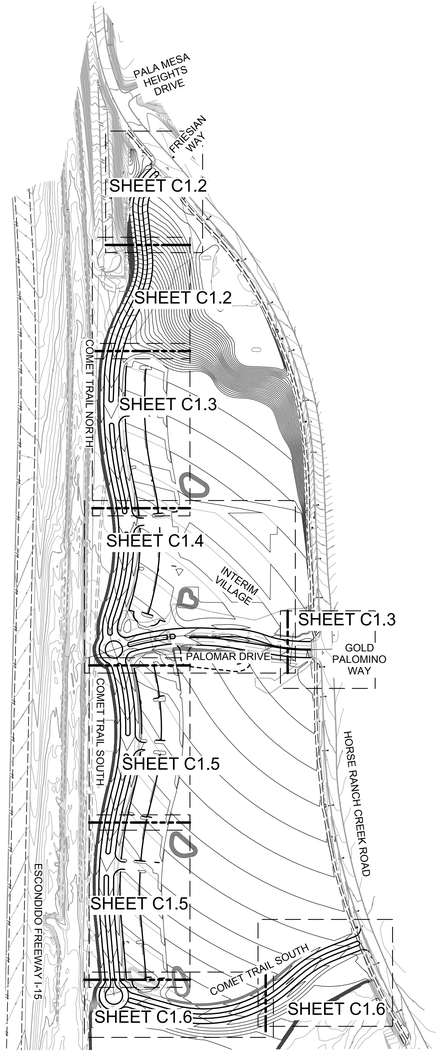
8. PROVIDE VELOCITY CHECK DAMS IN ALL STREET AREAS ACCORDING TO INTERVALS INDICATED BELOW. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.

GRADE OF STREET	INTERVAL	NUMBER OF BAGS HIGH
LESS THAN 2%	AS REQUIRED	
	200 FEET MAX	1
2% TO 4%	100 FEET	1
4% TO 6%	50 FEET	1
6% TO 10%	50 FEET	2
OVER 10%	25 FEET	2

9. PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
10. GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
11. ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
12. PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUDED SLOPES, OR IMPERVIOUS SURFACES.

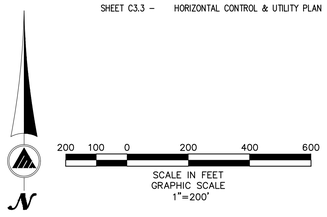
ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES; I.E., THE REGIONAL WATER QUALITY CONTROL BOARD.
THE USE OF BFM'S IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:

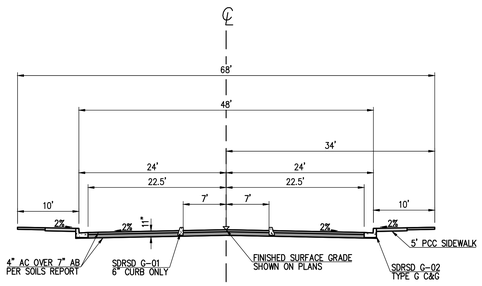
1. APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
2. BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
3. THE SITE MUST BE PROTECTED WITH BROW DITCHES AND / OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE SLOPE.
4. BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
5. FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE BFM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



SHEET INDEX

SHEET C1.1 –	INDEX	SHEET C3.4 –	HORIZONTAL CONTROL & UTILITY PLAN
SHEET C1.2 –	FINE GRADING & DRAINAGE PLAN	SHEET C3.5 –	HORIZONTAL CONTROL & UTILITY PLAN
SHEET C1.3 –	FINE GRADING & DRAINAGE PLAN	SHEET C3.6 –	DATA TABLES
SHEET C1.4 –	FINE GRADING & DRAINAGE PLAN	SHEET C3.7 –	DATA TABLES
SHEET C1.5 –	FINE GRADING & DRAINAGE PLAN	SHEET C3.8 –	R.M.W.D. STD. DWGS
SHEET C1.6 –	FINE GRADING & DRAINAGE PLAN	SHEET C4.1 –	UTILITY PROFILES
SHEET C1.7 –	PROFILE & S.D.R.S.D. STD. DWGS	SHEET C4.2 –	UTILITY PROFILES
SHEET C1.8 –	STANDARD DRAWINGS	SHEET C4.3 –	UTILITY PROFILES & DETAILS
SHEET C2.1 –	EROSION CONTROL PLAN	SHEET C5.1 –	STRIPING PLAN
SHEET C2.2 –	EROSION CONTROL PLAN	SHEET C5.2 –	STRIPING PLAN
SHEET C3.1 –	HORIZONTAL CONTROL & UTILITY PLAN	SHEET C5.3 –	STRIPING PLAN
SHEET C3.2 –	HORIZONTAL CONTROL & UTILITY PLAN	SHEET C5.4 –	STRIPING PLAN
SHEET C3.3 –	HORIZONTAL CONTROL & UTILITY PLAN	SHEET C5.5 –	STRIPING PLAN

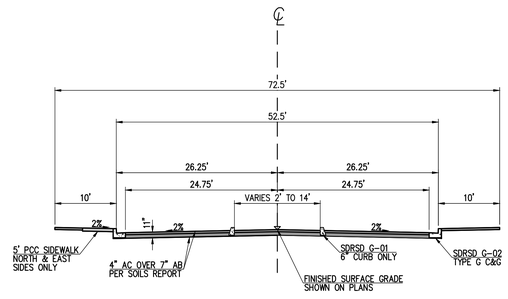




TC=℄-0.08'
MEDIAN TC=℄+0.36'

ROAD SECTION (TYP)
COMET TRAIL N. STA 10+67.97 TO 25+97.13
COMET TRAIL S. STA 27+21.82 TO 37+51.85 & 38+28.64 TO 37+07.33

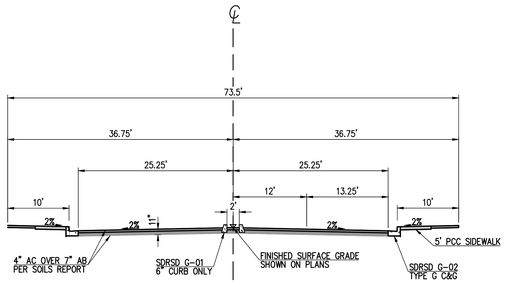
N.T.S.



TC=℄+0.12'
MEDIAN TC=℄+0.36'

PALOMAR ROAD ENTRY SECTION (TYP)
STA 13+20 TO 15+53.29

N.T.S.



TC=℄-0.13'
MEDIAN TC=℄+0.48'

PALOMAR ROAD ENTRY SECTION (TYP)
STA 15+53.29 TO 16+53.73

N.T.S.

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SM

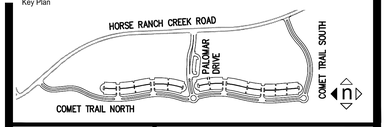
DESCRIPTION		QUANTITY
THRUST BLOCK PER RMWD W-4	SEE SHT C3.8 FOR DETAILS	25 EA.
FIRE HYDRANT PER RMWD W-9		4 EA.
G.V. PER RMWD W-3, 14, 19, 20		3 EA.
TEE PER RMWD W-3, 4, 14, 19, 20		21 EA.
SEWER CLEAN OUT PER RMWD S-8, 9		8 EA.
5' SEWER MANHOLE PER RMWD S-5, 7		2 EA.
4" BLOW OFF PER RMWD W-7		9 EA.
4" AIR VALVE PER RMWD W 12		6 EA.
6" SDR-35 SEWER RMWD S-1		1,040 L.F.
8" PVC C-900 FIRE SERVICE RMWD W-3		4,775 L.F.
6" PVC C-900 DOMESTIC WATER RMWD W-3		3,403 L.F.
PROPOSED HDPE S.D. SIZE TYPE PER PLAN	SEE SHT C1.7 & C1.8 FOR DETAILS	
6" C&G PER SDRSD G-2 TYPE G		12,367 L.F.
6" CURB ONLY PER SDRSD G-1		13,970 L.F.
6" AC BERM PER SDRSD G-5 TYPE A		428 L.F.
6' SIDEWALK PER SDRSD G-7		6,192 L.F.
CURB RAMP PER SDRSD G-27 TYPE A		8 EA.
CURB OUTLET PER SDRSD D-25		2 EA.
CROSS GUTTER PER SDRSD G-12		2 EA.
BROW DITCH PER SDRSD D-75 TYPE A		316 L.F.
CONSTRUCT DW BACKFLOW PREVENTER	SEE SHT C4.3 FOR DETAILS	1 EA.
CONSTRUCT FW BACKFLOW PREVENTER		3 EA.

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

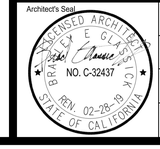
PALOMAR COLLEGE
Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
INTERIM VILLAGE SITE
AND UTILITIES PLAN

Architect's Seal

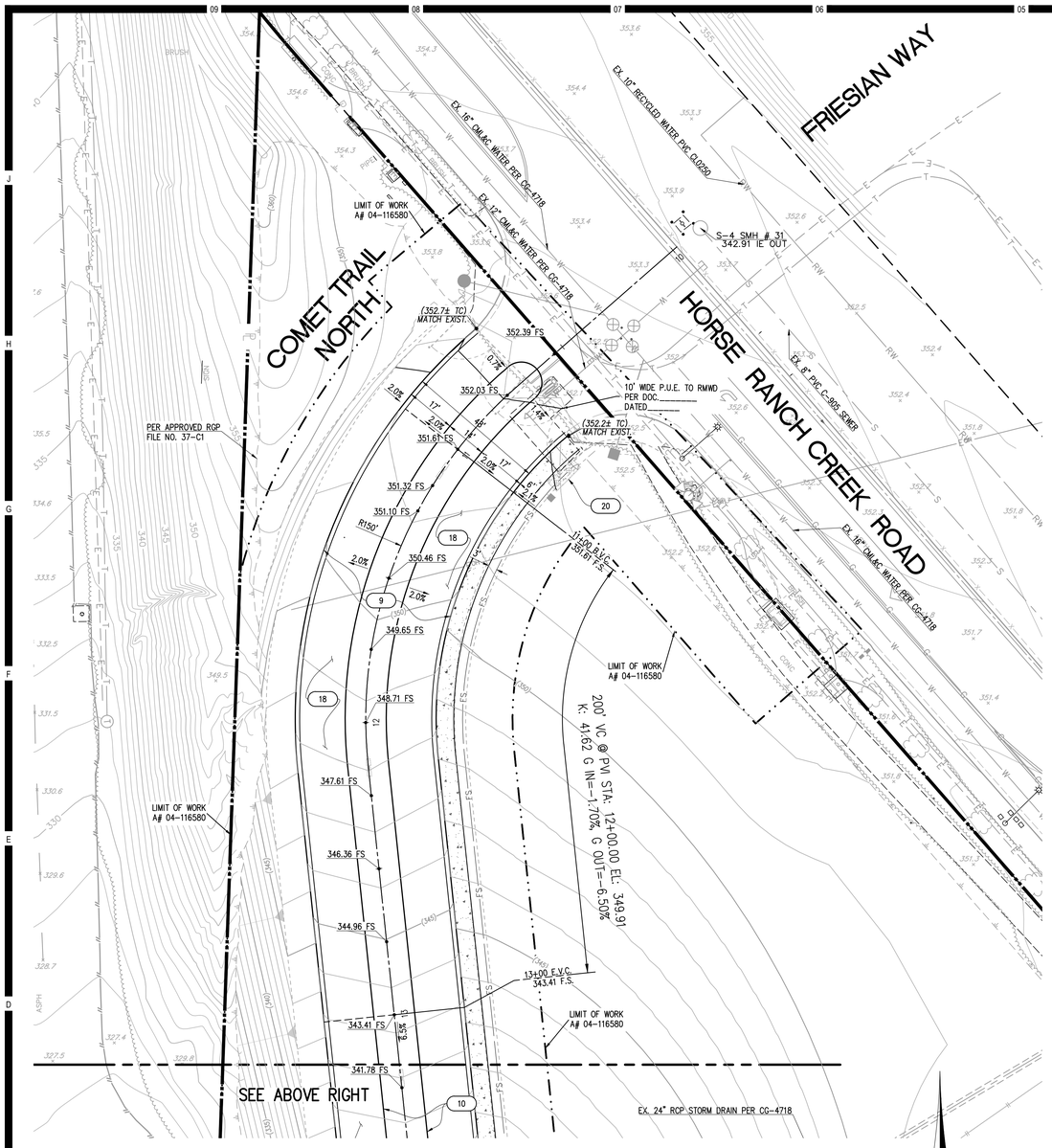


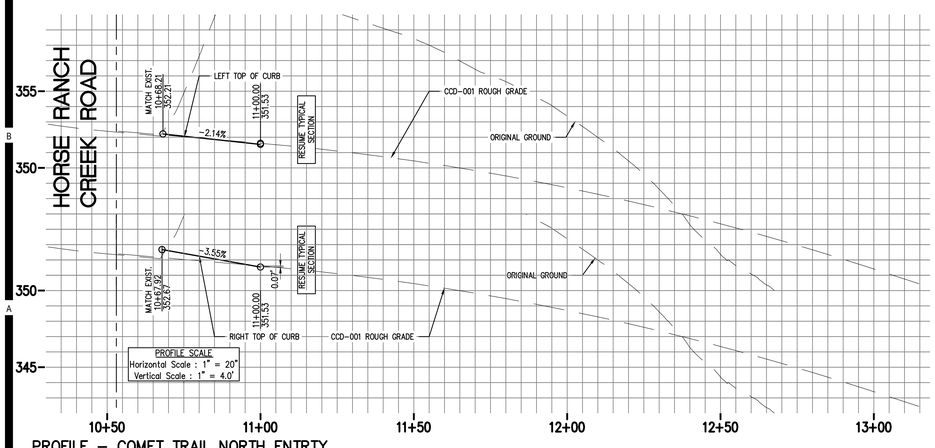
Designed: RD / DAM	Project No. 5015019-102
	MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C1.1
Date: 10/06/2017	

DATE: Oct 04, 2017 @ 2:04pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-C1.1.dwg

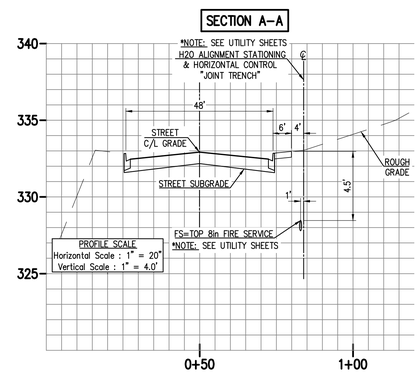
PLEASE RECYCLE

DSA SUBMITTAL





PROFILE – COMET TRAIL NORTH ENTRTY



SECTION A–A – THIS SHEET ABOVE

N.T.S.

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KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
	CUT FILL	TOP / TOE OF SLOPE
		SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
4		TEE PER RMWD W-3, 4, 14, 19, 20
5		SEWER CLEAN OUT PER RMWD S-8, 9
6		5' SEWER MANHOLE PER RMWD S-5, 7
7		4" BLOW OFF PER RMWD W-7
		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
10		6" CURB ONLY PER SDRSD G-1
11		6" AC BERM PER SDRSD G-5 TYPE A
12		6' SIDEWALK PER SDRSD G-7
13		CURB RAMP PER SDRSD G-27 TYPE A
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16		BROW DITCH PER SDRSD D-75 TYPE A
17		CONSTRUCT 3" AC OVER 6" AB
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19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS 315.87 DW 314.90 FW 307.30 SWR	FINISHED SURFACE ELEV. DOMESTIC WATER/FIRE SERVICE TP ELEV. SEWER INVERT ELEV.
	X/Y	X = DETAIL # Y = SHEET #

SEE SHT C1.7 & C1.8 FOR DETAILS

SEE SHT C1.7 & C1.8 FOR DETAILS

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
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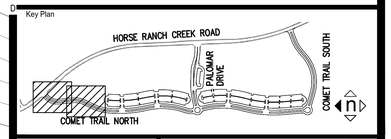
3. WDID # 9 37C380545

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
FINE GRADING □
DRAINAGE PLAN

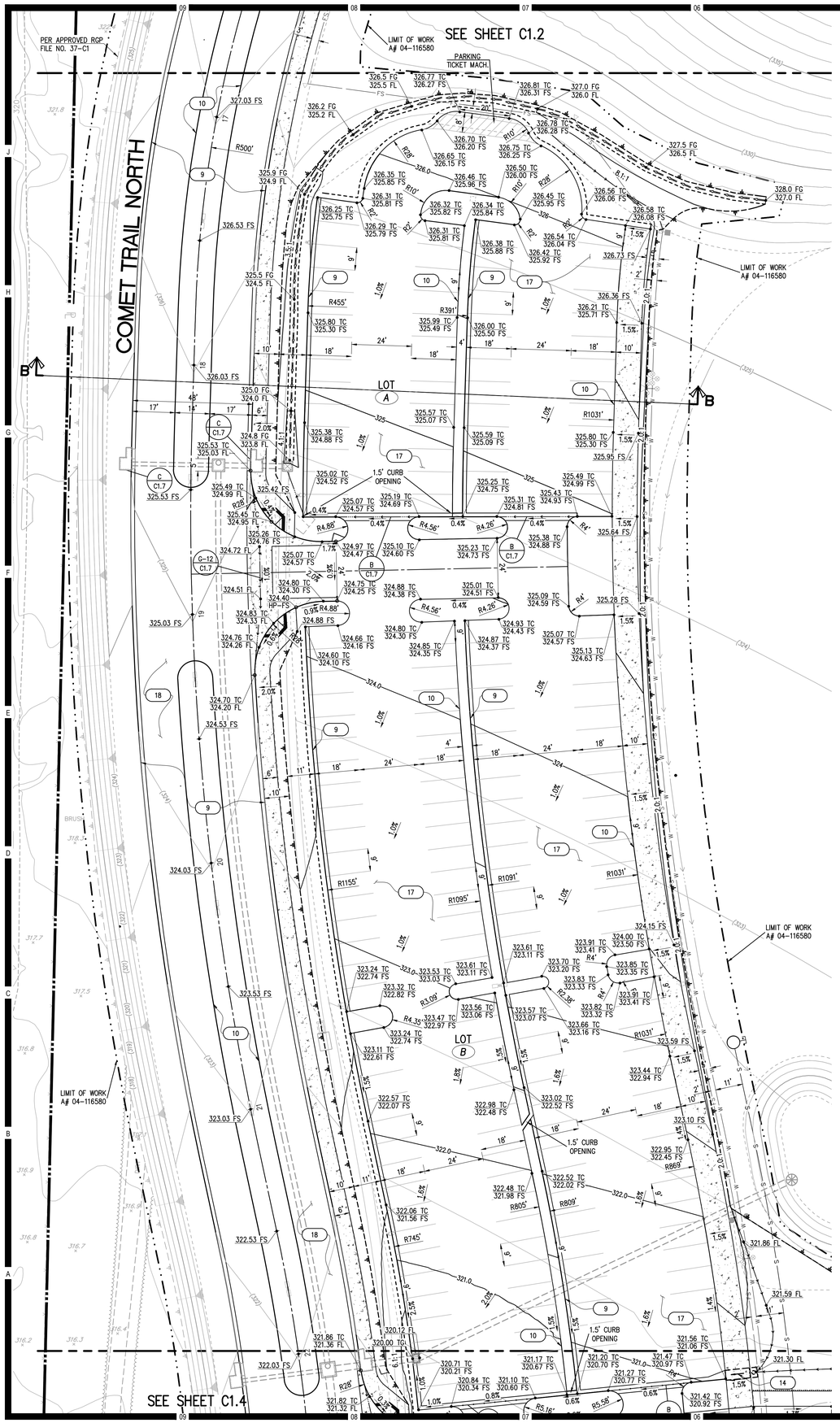
Architect's Seal

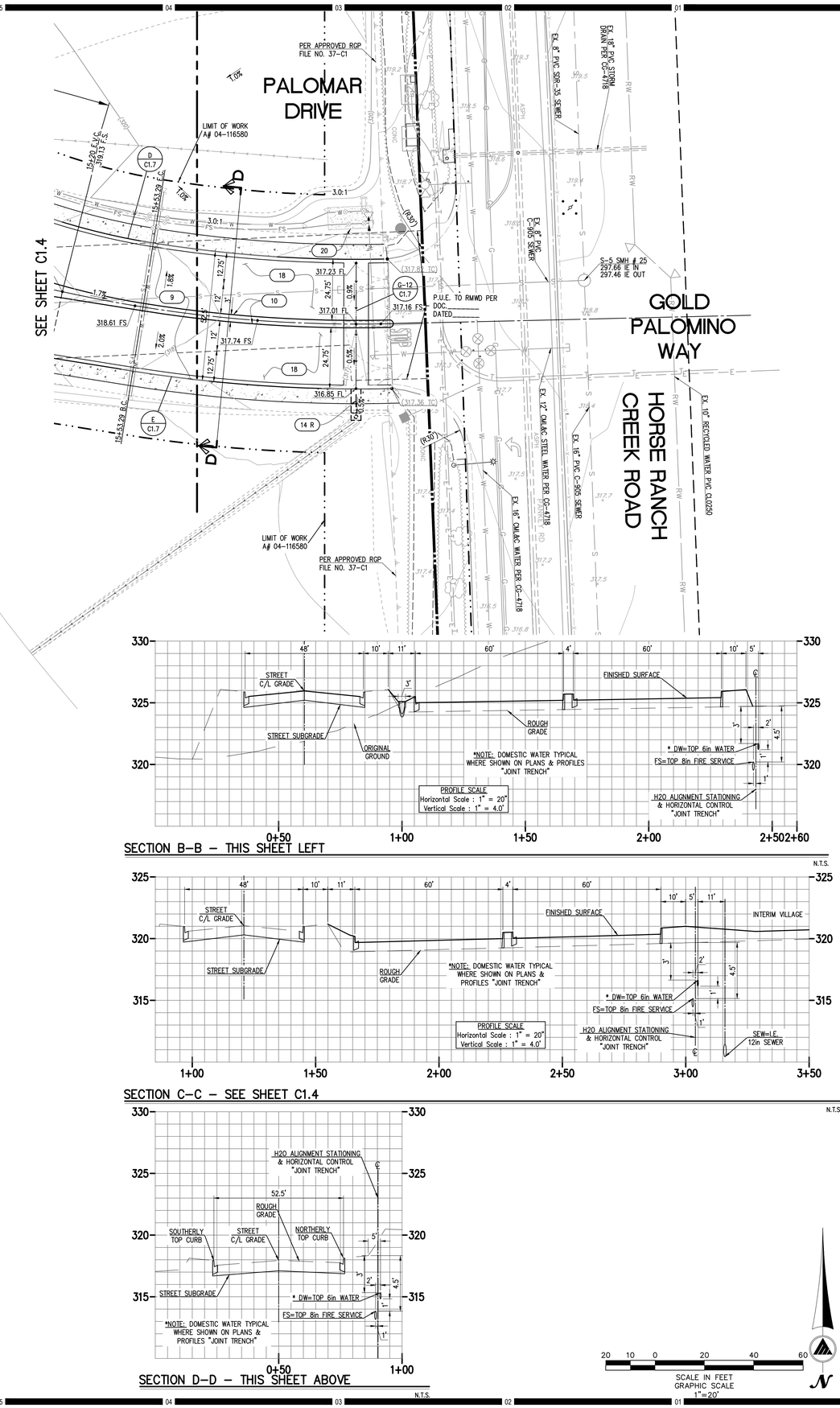
Designed:	RD / DAM	Project No.	5015019-102
			MAI PN: 16249
Drawn:	DAM	Scale:	AS NOTED
QA/QC	RD	Drawing No.	C1.2
Date:	10/06/2017		

DATE: Oct 04, 2017 @ 4:30pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-C1.2-1.7.dwg

PLEASE RECYCLE

DSA SUBMITTAL





SECTION B–B – THIS SHEET LEFT

SECTION C–C – SEE SHEET C1.4

SECTION D–D – THIS SHEET ABOVE

KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
	CUT FILL	SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
	W W	EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
4		TEE PER RMWD W-3, 4, 14, 19, 20
5		SEWER CLEAN OUT PER RMWD S-8, 9
6		5' SEWER MANHOLE PER RMWD S-5, 7
7		4" BLOW OFF PER RMWD W-7
		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
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	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.
	(X/Y)	X = DETAIL # Y = SHEET #

SEE SHT C3.8 FOR DETAILS
SEE SHT C1.7 & C1.8 FOR DETAILS

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3. WDID # 9 37C380545 .

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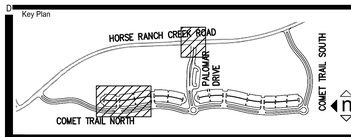
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. AMARO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
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DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
FINE GRADING □
DRAINAGE PLAN

Architect's Seal

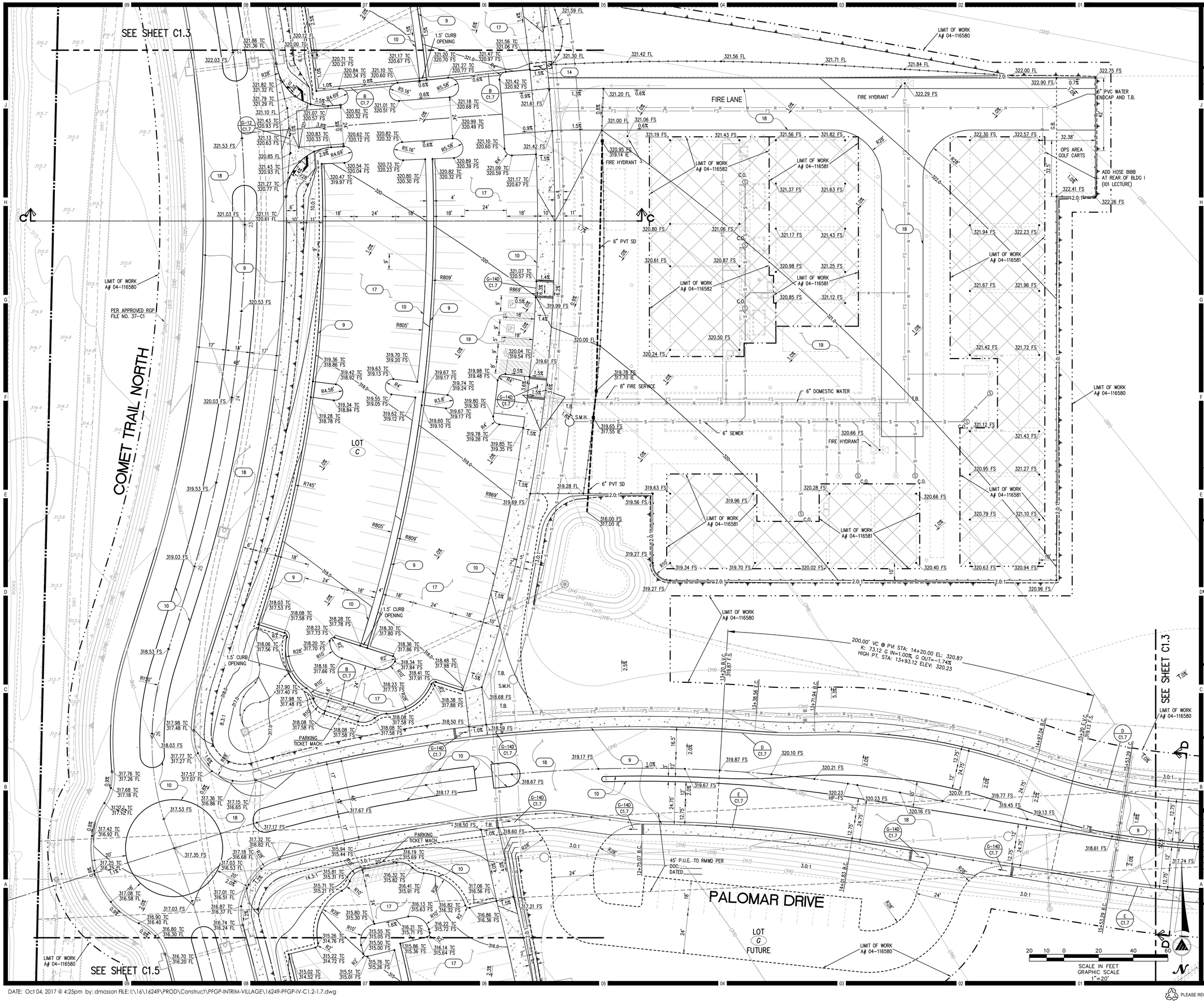
LICENSED ARCHITECT BRADLEY E. GLASCOCK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
	MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C1.3
Date: 10/06/2017	

DSA SUBMITTAL

PLEASE RECYCLE

DATE: Oct 04, 2017 @ 4:28pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-C1.2-1.7.dwg



KEYNOTES

LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
	CUT FILL	TOP / TOE OF SLOPE
		SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
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	X / Y	X = DETAIL # Y = SHEET #

SEE SHT C1.7 & C1.8 FOR DETAILS

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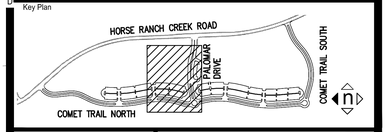
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

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APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

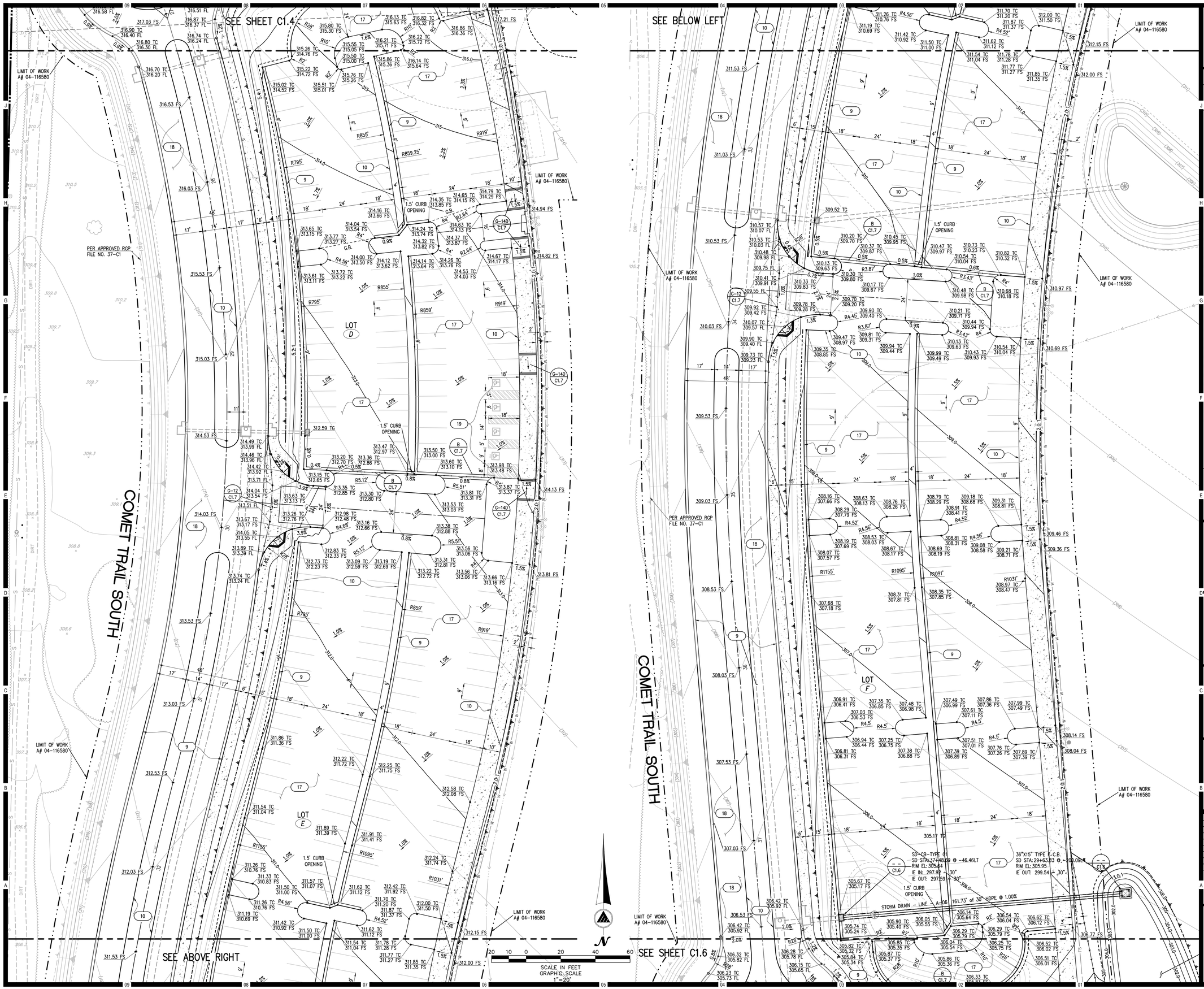
FINE GRADING □
DRAINAGE PLAN

Architect's Seal

Designed:	RD / DAM	Project No.	5015019-102
			MAI PN: 16249
Drawn:	DAM	Scale:	AS NOTED
QAQC	RD	Drawing No.	C1.4
Date:	10/06/2017		

DSA SUBMITTAL

PLEASE RECYCLE



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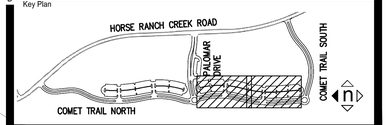
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

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Project Title

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Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
FINE GRADING □
DRAINAGE PLAN

Architect's Seal

Designed:	RD / DAM	Project No.	5015019-102
			MAI PN: 16249
Drawn:	DAM	Scale:	AS NOTED
QAQC	RD	Drawing No.	C1.5
Date:	10/06/2017		

DATE: Oct 04, 2017 @ 4:24pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-C1.2-1.7.dwg

PLEASE RECYCLE

DSA SUBMITTAL

SEE SHEET C1.5

LIMIT OF WORK A# 04-116580

PER APPROVED RGP FILE NO. 37-C1

TEMPORARY SEDIMENT BASIN
MINIMUM BOTTOM AREA 1,418 S.F.
MINIMUM SEDIMENT VOLUME 22 C.F.
MINIMUM FLOW VOLUME 8,211 C.F.
TOTAL VOLUME REQ. 8,222 C.F.

PARKING TICKET MACH.

SEE BELOW

COMET TRAIL SOUTH

STORM DRAIN – LINE – A-06

SCALE IN FEET
GRAPHIC SCALE
1"=20'

SEE ABOVE

HORSE RANCH CREEK ROAD

COMET TRAIL SOUTH

EX. 30" RCP STORM DRAIN PER GC-4718

EX. 16" PVC C-900 SEWER

EX. 16" PVC STORM DRAIN PER GC-4718

EX. 30" PVC STORM DRAIN PER GC-4718

EX. (2) 48" RCP STORM DRAIN PER GC-4718

EX. 16" CML&C WATER PER GC-4718

10' WIDE P.U.E. TO RMWD PER DOC. _____ DATED _____

PER APPROVED RGP FILE NO. 37-C1

(298.9± FL)

(300.0± FL)

KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
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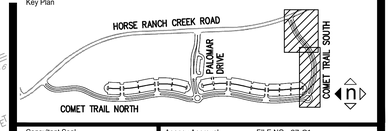

Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. AMARO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

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No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
FINE GRADING □
DRAINAGE PLAN

Architect's Seal

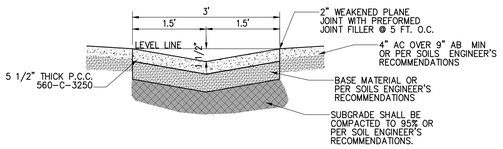
REGISTERED ARCHITECT RENEE E GLASER No. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C1.6
Date: 10/06/2017	

DSA SUBMITTAL

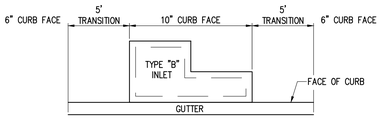
PLEASE RECYCLE

DATE: Oct 04, 2017 @ 4:23pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-C1.2-1.7.dwg



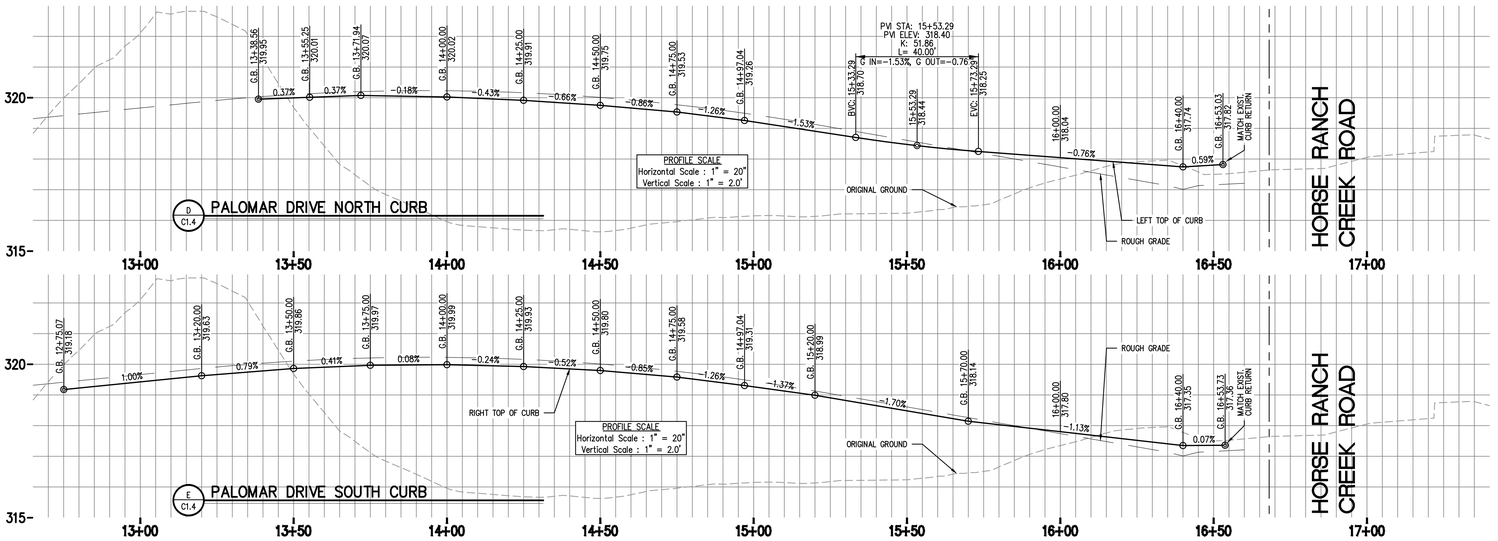
B P.C.C. VALLEY GUTTER (TYP.)

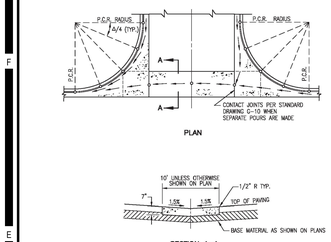
N.T.S.



C LOCAL DEPRESSION (TYP.)

N.T.S.





NOTES:
1. CONCRETE SHALL BE 560-C-3250.
2. ---------- = WEAKENED PLANE JOINTS.
3. ——— = TYPICAL FLOWLINES.
4. e = ELEVATIONS TO BE SHOWN ON PLANS.
5. RETURN SIDEWINTS TO BE 7" THICK.
6. CURB BETWEEN P.C.R.S SHALL BE CONSIDERED AS PART OF THE CROSS GUTTER.
7. IN ALL CASES SUBGRADE SHALL BE COMPACTED TO 90% MIN. RELATIVE COMPACTION TO DEPTH OF 12".

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/08
UPDATED	CV	MR/CV	11/11
REVIEWED	CV	CV	12/13

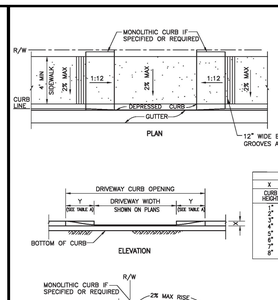
SAN DIEGO REGIONAL STANDARD DRAWING

CROSS GUTTER

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-12



NOTES:
1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY THE AGENCY.
2. FOR RESIDENTIAL USE, CONCRETE SHALL BE 520-C-2500; FOR COMMERCIAL USE, CONCRETE SHALL BE 560-C-3250.
3. SEE STANDARD DRAWINGS G-15 AND G-16 FOR WIDTH AND LOCATION REQUIREMENTS.
4. SEE STANDARD DRAWINGS G-2 AND G-15 FOR CURB AND JOINT DETAILS.
5. PLACE EXPANSION JOINT AT RIGHT-OF-WAY.
6. DIMENSIONS SHOWN REFLECT A 6" CURB HEIGHT.
7. RAMP LENGTH CALCULATIONS ARE BASED ON X=1" TO ACCOUNT FOR THE 1" DRIVEWAY LIP.

Revision	By	Approved	Date
ORIGINAL	HH	T. STANTON	02/03
ADD METRIC		T. STANTON	03/03
REVISED		T. STANTON	04/08
UPDATED	MR	MR/CV	03/12
REVIEWED	CV	CV	12/13

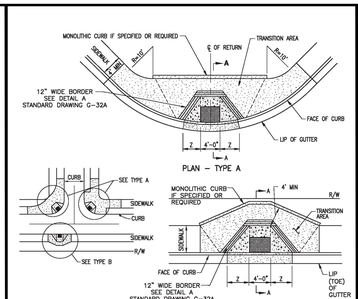
SAN DIEGO REGIONAL STANDARD DRAWING

CONCRETE DRIVEWAY (FOR CONFINED RIGHT-OF-WAY)

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-14D



NOTES:
1. SEE STANDARD DRAWING G-32A FOR GENERAL NOTES.
2. FOR TRUNCATED DOMES DETAILS, SEE STANDARD DRAWING G-30.
3. Z SIDE SLOPE SHALL BE 10:1.
4. LANDING CROSS SLOPE SHALL BE 2.0% MAX IN BOTH DIRECTIONS.
5. SEE STANDARD DRAWING G-32B FOR X, Y, AND Z DETAILS.

Revision	By	Approved	Date
ORIGINAL		SWANSON	04/99
UPDATE		D. DAVIS	12/04
REVISED		T. STANTON	04/08
UPDATED	MR	MR/CV	03/12
REVIEWED	CV	CV	12/13

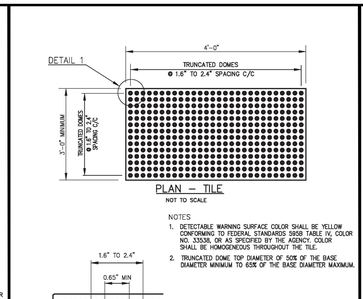
SAN DIEGO REGIONAL STANDARD DRAWING

CURB RAMP - TYPES A AND B (NEW CONSTRUCTION)

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-27



NOTES
1. DETECTABLE WARNING SURFACE COLOR SHALL BE YELLOW CONFORMING TO FEDERAL STANDARDS 595B TABLE IV, COLOR NO. 33538, OR AS SPECIFIED BY THE AGENCY. COLOR SHALL BE HOMOGENEOUS THROUGHOUT THE TILE.
2. TRUNCATED DOME TOP DIAMETER OF 50% OF THE BASE DIAMETER MINIMUM TO 65% OF THE BASE DIAMETER MAXIMUM.

Revision	By	Approved	Date
ORIGINAL		PARKINSON	02/95
ADD METRIC		T. STANTON	03/03
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REVISED		T. STANTON	04/08
UPDATED	MR	MR/CV	03/12
REVIEWED	CV	CV	12/13

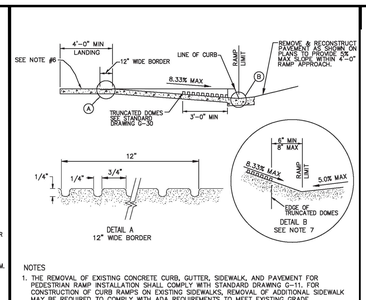
SAN DIEGO REGIONAL STANDARD DRAWING

TRUNCATED DOMES

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-30



NOTES
1. THE REMOVAL OF EXISTING CONCRETE CURB, GUTTER, SIDEWALK, AND PAVEMENT FOR PEDESTRIAN RAMP INSTALLATION SHALL COMPLY WITH STANDARD DRAWING G-11. FOR CONSTRUCTION OF CURB RAMPS ON EXISTING SIDEWALKS, REMOVAL OF ADDITIONAL SIDEWALK MAY BE REQUIRED TO COMPLY WITH ADA REQUIREMENTS TO MEET EXISTING GRADE.
2. CONCRETE SHALL BE CLASS 520-C-2500.
3. AREAS SHOWN THUS: [////] SHALL HAVE A MEDIUM TO HEAVY BROOM TEXTURE FINISH, PERPENDICULAR TO THE AXIS OF THE RAMP. AREAS SHOWN THUS: [....] ARE THE MINIMUM REQUIRED FOR A COMPLETE RAMP INSTALLATION.
4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC., ARE ENCOUNTERED, THE RAMP LOCATIONS MAY BE ADJUSTED UPON THE APPROVAL OF THE AGENCY.
5. THE RAMP SLOPES WILL BE MEASURED RELATIVE TO THE SIDEWALK SLOPE. ADJOINING SLOPE BEYOND THE RAMP SHALL NOT EXCEED 20:1 (5%).
6. LANDING CROSS SLOPE SHALL BE 2.0% MAX IN BOTH DIRECTIONS.
7. EDGE OF TRUNCATED DOME PANEL SHALL BE LOCATED 6" MINIMUM AND 8" MAXIMUM FROM THE GUTTER FLOWLINE.

Revision	By	Approved	Date
ORIGINAL		PARKINSON	02/95
UPDATE		D. DAVIS	12/04
REVISED		T. STANTON	04/08
UPDATED	MR	MR/CV	03/12
REVIEWED	CV	CV	10/15

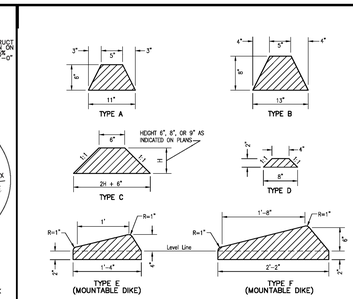
SAN DIEGO REGIONAL STANDARD DRAWING

GENERAL NOTES FOR CURB RAMPS

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-32A



NOTES:
1. DIKES SHALL BE PLACED ON A 2" SECTION OF A.C. SURFACING, EXTENDING THROUGHOUT THE WIDTH OF THE DIKE.
2. PG-70-10 GRADE ASPHALT TO BE USED FOR ALL DIKES.
3. SHAPE AND COMPACT DIKES WITH AN EXTRUSION MACHINE OR OTHER EQUIPMENT CAPABLE OF SHAPING AND COMPACTING THE MATERIAL TO THE REQUIRED CROSS-SECTION.

APPROX. DIKE QUANTITIES	
TYPE	REQD PER LIN. FT.
A	0.0250 TON
B	0.0375 TON
C–6"	0.0375 TON
C–8"	0.0583 TON
C–9"	0.0702 TON
D	0.0262 TON
E	0.0407 TON
F	0.0623 TON

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/08
UPDATED	MR	MR/CV	11/11
REVIEWED	CV	CV	10/15

SAN DIEGO REGIONAL STANDARD DRAWING

DIKES - ASPHALT CONCRETE

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-05

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
	CUT FILL	SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
4		TEE PER RMWD W-3, 4, 14, 19, 20
5	S	SEWER CLEAN OUT PER RMWD S-8, 9
6		5' SEWER MANHOLE PER RMWD S-5, 7
7		4" BLOW OFF PER RMWD W-7
		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
10		6" CURB ONLY PER SDRSD G-1
11		6" AC BERM PER SDRSD G-5 TYPE A
12		6' SIDEWALK PER SDRSD G-7
13	S	CURB RAMP PER SDRSD G-27 TYPE A
14		CURB OUTLET PER SDRSD D-25
15		CROSS GUTTER PER SDRSD G-12
16		BROW DITCH PER SDRSD D-75 TYPE A
17		CONSTRUCT 3" AC OVER 6" AB
18		CONSTRUCT 4" AC OVER 7" AB
19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER
		CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS	FINISHED SURFACE ELEV.
	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.

SEE SHT C1.7 & C1.8 FOR DETAILS

SEE SHT C1.7 & C1.8 FOR DETAILS

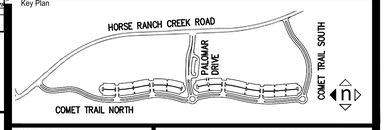
NOTES

X = DETAIL #
Y = SHEET #

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D'AMATO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

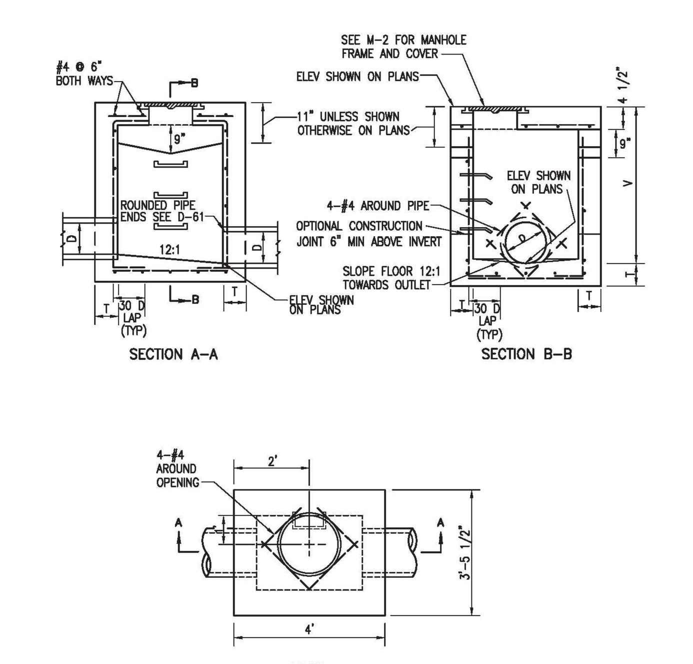
PROFILES ☐ DETAILS
S.D.R.S.D. STANDARD DRAWINGS

Architect's Seal

REGISTERED ARCHITECT ROBERT E GLASS NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C1.7
Date: 10/06/2017	

SAN DIEGO REGIONAL STANDARD DRAWING — CATCH BASIN - TYPE F



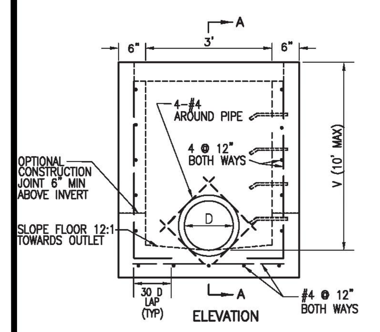
NOTES
1. SEE D-11A & 11B FOR ADDITIONAL NOTES AND DETAILS.
2. WHEN V EXCEEDS 4' STEPS SHALL BE INSTALLED. SEE D-11A FOR DETAILS.
3. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH A RADIUS OF 1/2".
4. CONSTRUCT OPENINGS ON BOTH SIDES UNLESS OTHERWISE SHOWN ON PLANS.
5. MAINTAIN 1-1/2" CLEAR SPACING BETWEEN REINFORCING AND CONCRETE SURFACE.
6. INSTALL 1" STEEL PROTECTION BAR ACROSS OPENING.
7. DIAMETER "D" SHALL BE 18" MAX, FOR LARGER DIAMETER PIPES THIS DRAWING MUST BE MODIFIED. PIPE DIAMETERS TO BE SHOWN ON PLANS.
8. IF CONSTRUCTED ADJACENT TO SIDEWALK, THE SURFACE OF THE TOP SLAB OF THE CATCH BASIN SHALL MATCH THE SIDEWALK SLOPE AND FINISH.

LEGEND ON PLANS

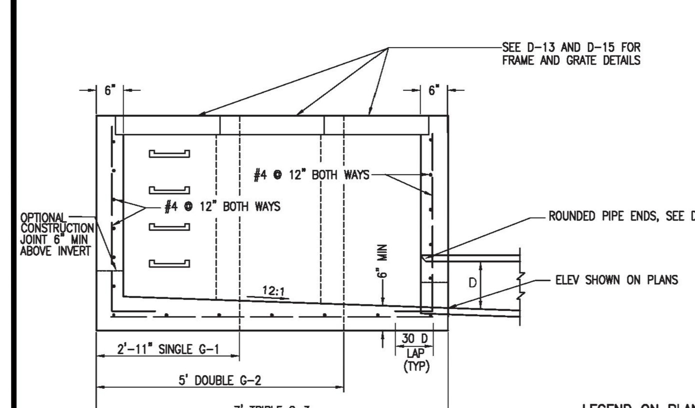
Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T. Stanton	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-07

SAN DIEGO REGIONAL STANDARD DRAWING — CATCH BASIN - TYPE G



NOTES
1. SEE D-11A AND D-11B FOR ADDITIONAL NOTES AND DETAILS.
2. STEPS SHALL BE INSTALLED WHEN V EXCEEDS 4'. SEE D-11A FOR DETAILS.
3. MAINTAIN 1-1/2" CLEAR SPACING BETWEEN REINFORCING AND CONCRETE SURFACE.
4. INCREASE IN ALLOWABLE DEPTH SUBJECT TO APPROVAL BY LOCAL AGENCY.
5. SECTION A-A SHOWS 3 SIZES AND SHALL NOT IMPLY THAT AN INTERIOR WALL IS TO BE BUILT FOR THE STRUCTURES WITH DOUBLE OR TRIPLE FRAME AND GRATE.
6. ESPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH RADIUS OF 1/2".
7. DESIGNATE TYPES AS FOLLOWS: SINGLE G-1, DOUBLE G-2 OR TRIPLE G-3.
8. ONLY END BEARING GRATES SHALL BE USED. SEE D-15.



LEGEND ON PLANS

Revision	By	Approved	Date
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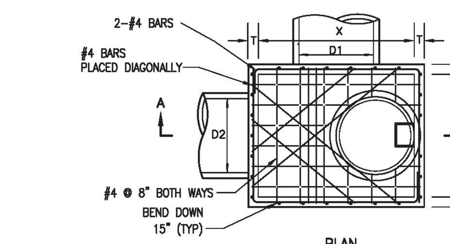
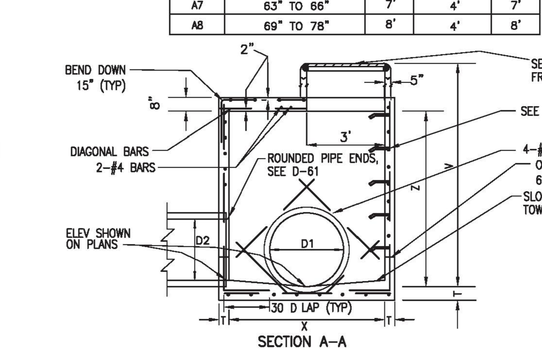
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-08

SAN DIEGO REGIONAL STANDARD DRAWING — STORM DRAIN CLEANOUT - TYPE A



TYPE	PIPE DIAMETER (D1)	X	Y (SEE NOTE 8)	Z
A4	UP TO 39"	4'	4'	6'
A5	42" TO 48"	5'	4'	6'
A6	51" TO 60"	6'	4'	6'
A7	63" TO 66"	7'	4'	7'
A8	69" TO 78"	8'	4'	8'



NOTES
1. SEE D-11A AND D-11B FOR ADDITIONAL NOTES AND DETAILS.
2. CONCRETE BASE SHALL BE 560-C-3250.
3. ALL PRECAST COMPONENTS SHALL BE REINFORCED WITH 1/4" DIAMETER STEEL, WOUND SPIRALLY ON 4' CENTERS.
4. ALL JOINTS SHALL BE SET IN CLASS C MORTAR.
5. MAINTAIN 1-1/2" CLEAR SPACING BETWEEN REINFORCING AND CONCRETE SURFACE UNLESS OTHERWISE NOTED.
6. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH A 1/2" RADIUS.
7. MANHOLE COVER TO BE MARKED "STORM DRAIN".
8. MODIFICATIONS TO "Y" DIMENSION IS REQUIRED IF PIPE (D2) EXCEEDS 39".
9. IF CONSTRUCTED ADJACENT TO SIDEWALK, TOP OF MANHOLE AND SLAB TO MATCH SIDEWALK SLOPE AND FINISH.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
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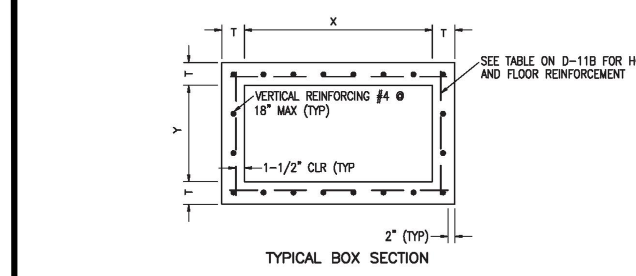
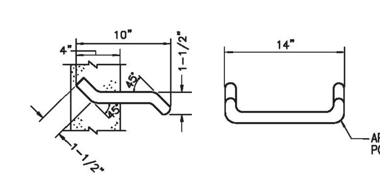
SAN DIEGO REGIONAL STANDARD DRAWING — INLETS AND CLEANOUTS NOTES AND DETAILS





NOTES
1. CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL COMPLY WITH THIS DRAWING (D-11A AND D-11B) UNLESS OTHERWISE SPECIFIED.
3. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO LATEST ASTM SPECIFICATIONS.
4. BENDS SHALL BE IN ACCORDANCE WITH LATEST ACI CODE.
5. MINIMUM SPLICE LENGTH FOR REINFORCING SHALL BE 30 DIAMETERS.
6. FLOOR SHALL HAVE A WOOD TROWEL FINISH AND, EXCEPT WHERE USED AS JUNCTION BOXES, SHALL HAVE A MINIMUM SLOPE OF 1:12 TOWARD THE OUTLET.
7. DEPTH V IS MEASURED FROM THE TOP OF THE STRUCTURE TO THE FLOWLINE OF THE BOX.
8. WALL THICKNESS AND REINFORCING STEEL REQUIRED MAY BE DECREASED IN ACCORDANCE WITH TABLE ON D-11B.
9. WALL THICKNESS SHALL BE STEPPED ON THE OUTSIDE OF THE BOX.
10. WHEN THE STRUCTURE DEPTH V EXCEEDS 4', STEPS SHALL BE CAST INTO THE WALL AT 15" INTERVALS FROM 15" ABOVE FLOOR TO WITHIN 12" OF TOP OF STRUCTURE. WHERE POSSIBLE, PLACE STEPS IN WALL WITHOUT PIPE OPENING, OTHERWISE OVER OPENING OF SMALLEST DIAMETER.
11. ALTERNATE STEP MAY BE AN APPROVED STEEL REINFORCED POLYPROPYLENE STEP.
12. UPON APPROVAL OF THE AGENCY, THE USE OF PRECAST STORM STRUCTURES IS ACCEPTABLE AS AN ALTERNATE TO CAST-IN-PLACE. PRECAST UNITS SHALL CONFORM TO ASTM STANDARDS AND BE MANUFACTURED IN A PERMANENT FACILITY DESIGNED FOR THAT PURPOSE.

Revision	By	Approved	Date
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Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-11A

SAN DIEGO REGIONAL STANDARD DRAWING — INLETS AND CLEANOUTS NOTES AND DETAILS

BOX SECTION REINFORCEMENT (HORIZONTAL AND FLOOR)

MAXIMUM SPAN X OR Y	DEPTH V	THICKNESS T	HORIZONTAL AND FLOOR REINFORCEMENT SIZE AND SPACING
3' TO 4'	4'	6"	#4 @ 18"
4'-1" TO 7'			#4 @ 12"
7'-1" TO 8'			#4 @ 8"
3' TO 4'	4'-1" TO 8'	6"	#4 @ 18"
4'-1" TO 5'			#4 @ 12"
5'-1" TO 6'			#4 @ 8"
6'-1" TO 8'			#4 @ 6"
3' TO 4'	8'-1" TO 12'	6"	#4 @ 15"
4'-1" TO 5'		8"	#4 @ 12"
5'-1" TO 6'			#4 @ 8"
6'-1" TO 8'			#4 @ 6"
3' TO 4'	12'-1" TO 16'	8"	#4 @ 12"
4'-1" TO 5'			#4 @ 12"
5'-1" TO 6'			#4 @ 8"
6'-1" TO 7'			#4 @ 6"
7'-1" TO 8'			#5 @ 8"
3' TO 4'	16'-1" TO 20'	8"	#4 @ 12"
4'-1" TO 5'		10"	#4 @ 12"
5'-1" TO 6'			#4 @ 8"
6'-1" TO 7'			#4 @ 6"
7'-1" TO 8'			#5 @ 8"
3' TO 4'	20'-1" TO 24'	8"	#4 @ 12"
4'-1" TO 5'		10"	#4 @ 12"
5'-1" TO 6'			#4 @ 8"
6'-1" TO 7'			#4 @ 6"
7'-1" TO 8'		12"	#5 @ 8"

Revision	By	Approved	Date
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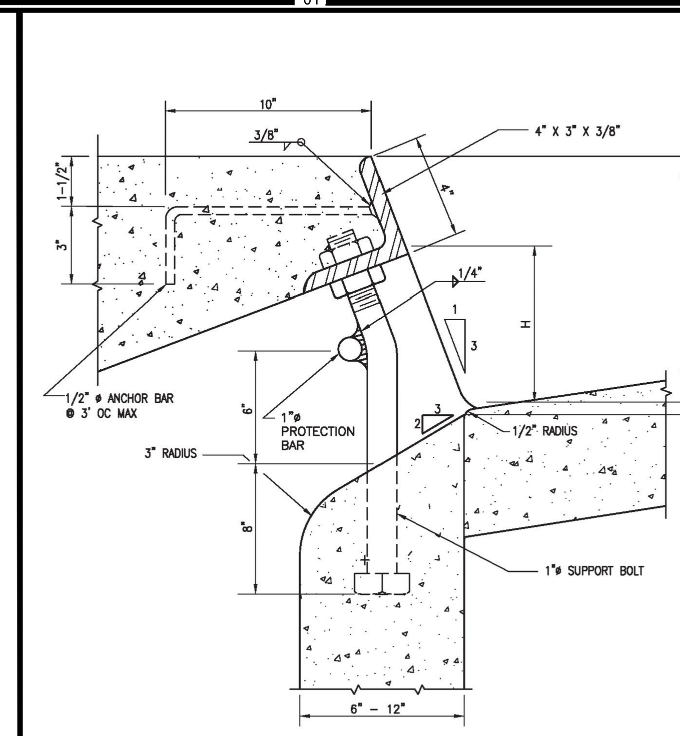
Add Metric		T. Stanton	03/03
Reformatted		T. Stanton	04/06
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-11B

SAN DIEGO REGIONAL STANDARD DRAWING — CURB INLET OPENING



NOTES
1. FACE ANGLE SHALL BE CAST CONTINUOUSLY INTO STRUCTURE FOR THE ENTIRE LENGTH "L".
2. ALL EXPOSED METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
3. WHEN CURB INLET OPENING HEIGHT (H) EXCEEDS 6", INSTALL 1"ø STEEL PROTECTION BAR. STEEL PROTECTION BAR SHALL BE EMBEDDED 8" INTO CURB INLET.
4. INSTALL ADDITIONAL BARS AT 3-1/2" CLEAR SPACING ABOVE FIRST STEEL PROTECTION BAR WHEN OPENING EXCEEDS 13".
5. WHEN CURB INLET OPENING LENGTH EXCEEDS 8' INSTALL 1"ø STEEL SUPPORT BOLTS SPACED AT NOT MORE THAN 5' OC.

Revision	By	Approved	Date
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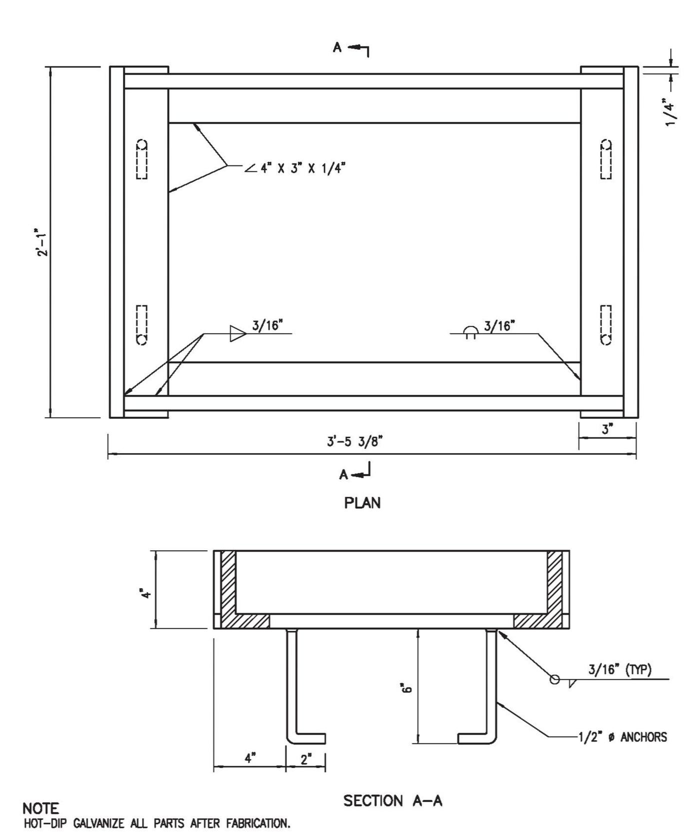
RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-12

SAN DIEGO REGIONAL STANDARD DRAWING — WELDED STEEL GRATE FRAME

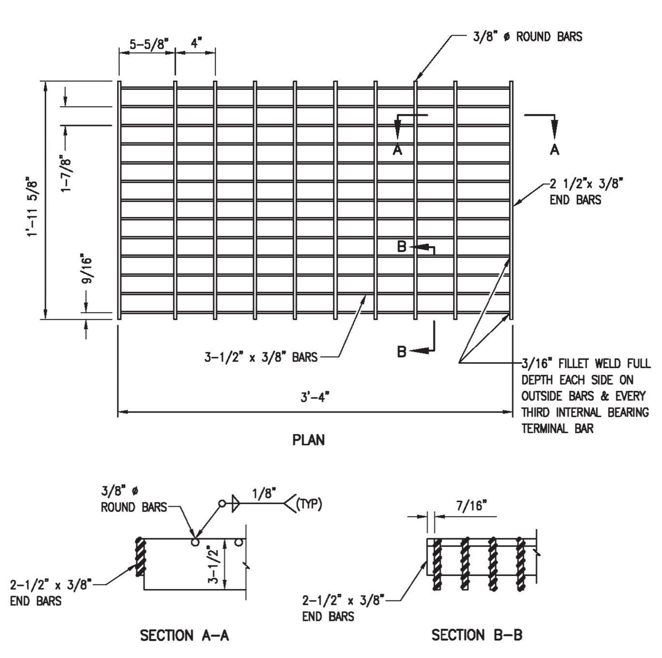


NOTE
HOT-DIP GALVANIZE ALL PARTS AFTER FABRICATION.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T. Stanton	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-13

SAN DIEGO REGIONAL STANDARD DRAWING — DRAINAGE STRUCTURE GRATE

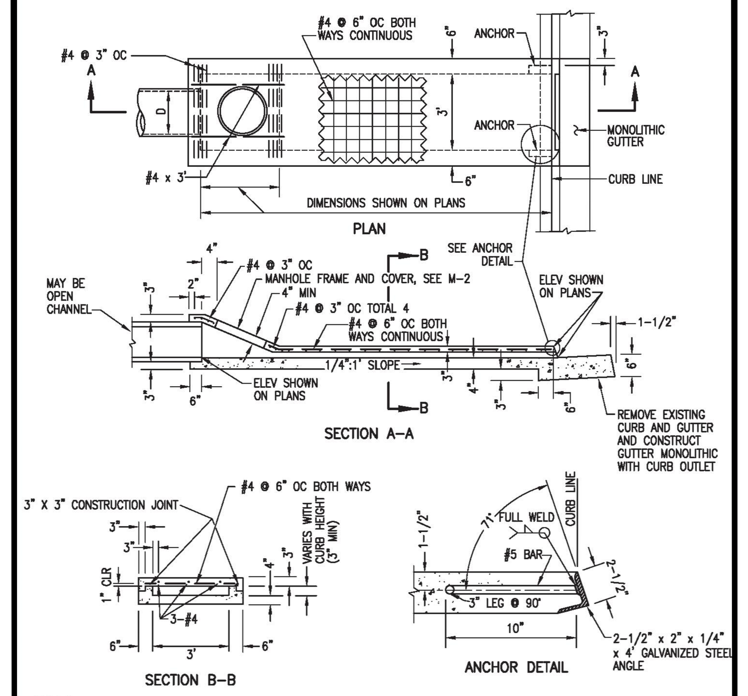


NOTES
1. HOT-DIP GALVANIZE ALL PARTS AFTER FABRICATION.
2. DIMENSIONS ARE TO CENTERLINE OF BARS UNLESS OTHERWISE NOTED.
3. NOT TO BE USED IN PEDESTRIAN AREAS.
4. WEIGHT: 200 POUNDS +/-.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T. Stanton	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-15

SAN DIEGO REGIONAL STANDARD DRAWING — CURB OUTLET - TYPE A



NOTES
1. CONCRETE SHALL BE 560-C-3250.
2. D = INSIDE DIAMETER OF PIPE OR DEPTH OF CHANNEL.
3. SECTION TO BE SLOPED LATERALLY WITH TOP CONFORMING TO THE GRADES OF THE EXISTING SIDEWALK AND CURB.
4. MANHOLE FRAME AND COVER MAY BE DELETED WITH OPEN CHANNEL.
5. TROWEL FINISH TOP SURFACE AND REPRODUCE MARKINGS OF EXISTING SIDEWALK AND CURB.
6. TROWEL FINISH FLOOR OF OUTLET.
7. PROVIDE 1/4" TOOLED GROOVE IN TOP SLAB IN LINE WITH BACK OF ADJACENT CURB.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T.Stanton	04/06
Revised		T.Stanton	11/08
Edited	S.S.	T. Regello	03/11
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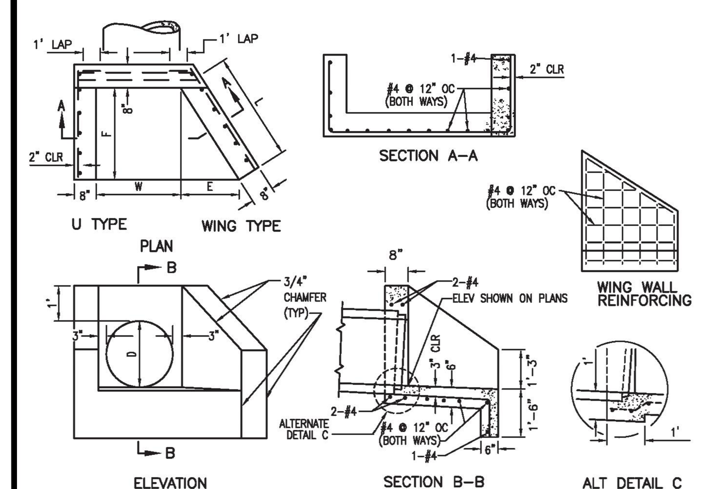
RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-25

SAN DIEGO REGIONAL STANDARD DRAWING — WING AND U TYPE HEADWALLS FOR 18" TO 36" PIPES



ø OF PIPE	L	E	F	W	SINGLE U CONC. (CY)	SINGLE U STEEL (LBS)	SINGLE WING CONC. (CY)	SINGLE WING STEEL (LBS)	W	DOUBLE U CONC. (CY)	DOUBLE U STEEL (LBS)	DOUBLE WING CONC. (CY)	DOUBLE WING STEEL (LBS)
18"	2'-3 1/8"	1'-3"	1'-10 1/2"	2'	0.55	35	0.63	43	AS SHOWN ON PLANS	0.82	53	0.90	61
24"	3'-1 7/8"	1'-9"	2'-7 1/2"	2'-6"	0.79	47	0.93	60		1.22	73	1.36	86
30"	4'-5/8"	2'-3"	3'-4 1/2"	3'	1.05	71	1.29	85		1.66	109	1.92	123
36"	4'-11 1/2"	2'-9"	4'-1 1/2"	3'-6"	1.33	88	1.69	114		2.19	136	2.55	162

NOTES
1. CONCRETE SHALL BE 560-C-3250.
2. EXPOSED CORNERS SHALL BE 3/4" CHAMFERED.
3. MULTIPLE PIPES SHALL BE SET A DISTANCE OF D/2, WITH A 1' MIN BETWEEN OUTSIDE DIAMETERS OF PIPES.
4. TOP OF HEADWALL SHALL BE PLACED APPROXIMATELY PARALLEL TO PROFILE GRADE WHEN THE GRADE IS 3% OR MORE.
5. SKEWED PIPES: DIMENSION W SHALL BE INCREASED IN WIDTH OR LENGTH DUE TO SKEW OR MULTIPLE PIPES.
6. USE ALTERNATE DETAIL C FOR PIPE WALL THICKNESS GREATER THAN 3".

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T. Stanton	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
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RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-34

SAN DIEGO REGIONAL STANDARD DRAWING — WING AND U TYPE HEADWALLS FOR 42" TO 84" PIPE

TABLE OF DIMENSIONS AND QUANTITIES FOR HEADWALLS SHOWN ON D-35A

NOTE: DIMENSIONS E AND L APPLY TO WING TYPE ONLY.

ø OF PIPE	L	E	F	W	SINGLE U CONC. (CY)	SINGLE U STEEL (LBS)	SINGLE WING CONC. (CY)	SINGLE WING STEEL (LBS)	W	DOUBLE U CONC. (CY)	DOUBLE U STEEL (LBS)	DOUBLE WING CONC. (CY)	DOUBLE WING STEEL (LBS)
42"	3'-7 1/4"	2'	3'	4'	1.57	117	1.90	135	10'	2.69	190	3.16	214
48"	4'-6"	2'-6"	3'-9"	4'-6"	1.97	153	2.48	184	11'-4"	3.43	252	4.06	288
54"	5'-4 7/8"	3'	4'-6"	5'	2.41	190	3.07	246	12'-8'	4.24	319	5.06	368
60"	6'-3 3/4"	3'-6"	5'-3"	5'-6"	2.88	239	3.75	294	14'	5.13	386	6.17	442
66"	7'-2 1/2"	4'	6'	6'	3.38	294	4.52	356	15'-4"	6.08	454	7.20	516
72"	8'-1 3/8"	4'-6"	6'-9"	6'-6"	3.93	368	5.52	417	16'-8"	7.11	522	8.30	588
78"	9'	5'	7'-6"	7'	4.50	444	6.70	503	18'	8.20	595	9.50	693
84"	9'-10 3/4"	5'-6"	8'-3"	7'-6"	5.21	540	8.15	619	19'-4"	9.50	687	10.80	786

NOTES
1. SKEWED PIPES: DIMENSION W TO BE INCREASED TO TAKE CARE OF INCREASED WIDTH OR LENGTH DUE TO SKEWOF MULTIPLE PIPES.
2. TOP OF HEADWALL SHALL BE PLACED APPROXIMATELY PARALLEL TO PROFILE GRADE WHEN THE GRADE IS 3% OR MORE.
3. CONCRETE SHALL BE 560-C-3250.
4. EXPOSED CORNERS SHALL BE 3/4" CHAMFERED.
5. MULTIPLE PIPES SHALL BE SET A DISTANCE OF D/2, WITH A 1' MINIMUM, BETWEEN OUTSIDE DIAMETERS OF PIPES.
6. USE ALTERNATE DETAIL C FOR PIPE WALL THICKNESS GREATER THAN 3".

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reformatted		T. Stanton	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-35B

SAN DIEGO REGIONAL STANDARD DRAWING — RIP RAP ENERGY DISSIPATER

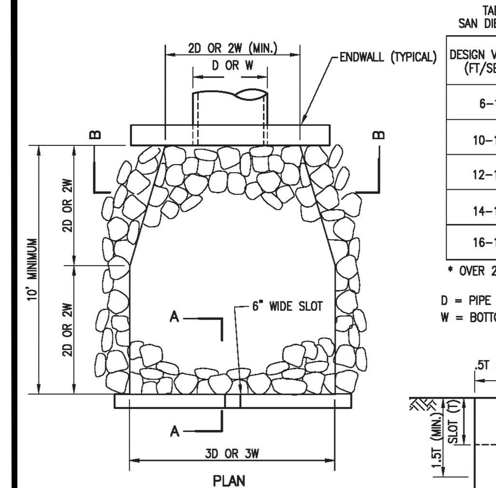
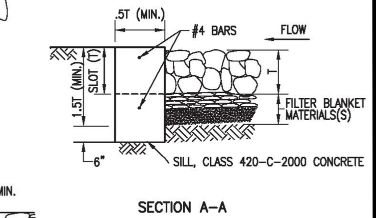


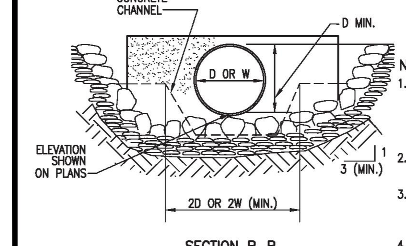
TABLE 7-1 (BELOW) PER JULY 2005 SAN DIEGO COUNTY DRAINAGE DESIGN MANUAL

DESIGN VELOCITY (FT/SEC) *	ROCK CLASS	RIP-RAP THICKNESS "T" (MIN)
6-10	NO. 2 BACKING	1.1 FT
10-12	1/4 TON	2.7 FT
12-14	1/2 TON	3.5 FT
14-16	1 TON	4.4 FT
16-18	2 TON	5.4 FT

* OVER 20 FT/SEC REQUIRES SPECIAL DESIGN

D = PIPE DIAMETER ø
W = BOTTOM WIDTH OF CHANNEL



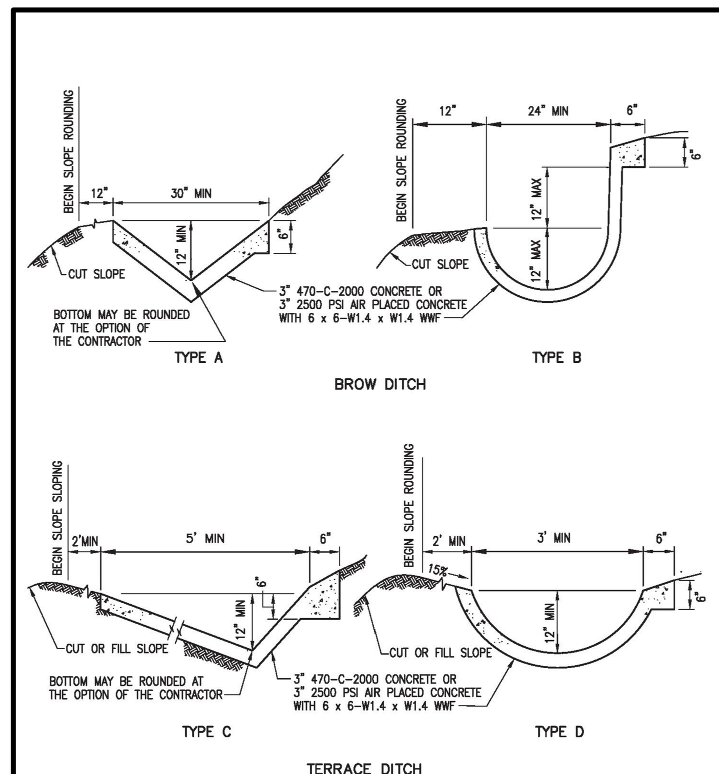


NOTES
1. PLANS SHALL SPECIFY:
(A) ROCK CLASS AND RIP-RAP THICKNESS (T). T SHALL BE AT LEAST 1.5 TIMES THE NOMINAL EQUIVALENT DIAMETER OF STONE (dм) OF THE SPECIFIED RIP-RAP.
(B) FILTER BLANKET MATERIAL, NUMBER OF LAYERS AND THICKNESS.
2. RIP-RAP SHALL BE EITHER QUARRY STONE OR BROKEN CONCRETE (IF SHOWN ON PLANS). COBBLES ARE NOT ACCEPTABLE.
3. RIP-RAP SHALL BE PLACED OVER FILTER BLANKET MATERIAL WHICH MAY BE EITHER GRANULAR MATERIAL OR NON-WOVEN GEOTEXTILE FILTER FABRIC; MATERIAL AT WEIGHT SPECIFIED IN PLANS OR SPECIFICATIONS.
4. SEE TABLE 200-1.7 IN THE SAN DIEGO REGIONAL SUPPLEMENT TO GREENBOOK FOR SELECTION OF FILTER BLANKET.
5. RIP-RAP ENERGY DISSIPATERS SHALL BE DESIGNATED AS EITHER TYPE 1 OR TYPE 2. TYPE 1 SHALL BE WITH CONCRETE SILL; TYPE 2 SHALL BE WITHOUT SILL.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Add Rip Rap Table		S. Brady	04/06
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-40

SAN DIEGO REGIONAL STANDARD DRAWING — DRAINAGE DITCHES



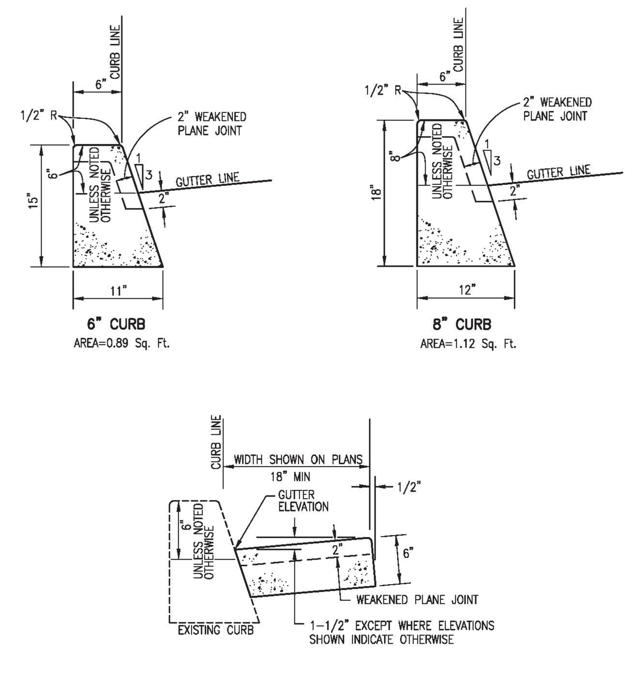
NOTES
1. LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.
2. USE A 6" THICKENED EDGE ON BOTH SIDES OF THE DRAINAGE DITCH WHEN THE DRAINAGE DITCH IS BUILT DOWN A GRADED SLOPE.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reviewed		T. Stanton	04/06
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER D-75

SAN DIEGO REGIONAL STANDARD DRAWING — CURBS AND GUTTER - SEPARATE



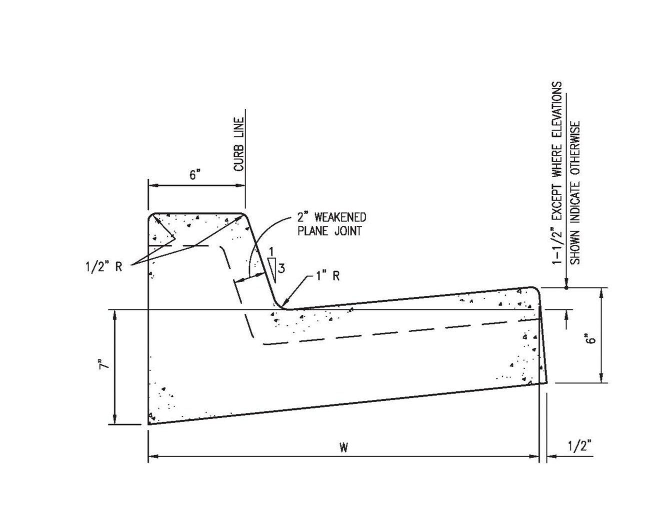
NOTES:
1. CONCRETE SHALL BE 520-C-2500.
2. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.
3. SLOPE TOP OF CURB 2% MAX TOWARD GUTTER.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/06
UPDATED	MR	MR/CV	11/11
UPDATED	CV	CV	12/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER G-01

SAN DIEGO REGIONAL STANDARD DRAWING — CURB AND GUTTER - COMBINED



TYPE	W	*AREA
G	24"	1.34 SQ. FT.
H	30"	1.60 SQ FT.

* 6" CURB HEIGHT

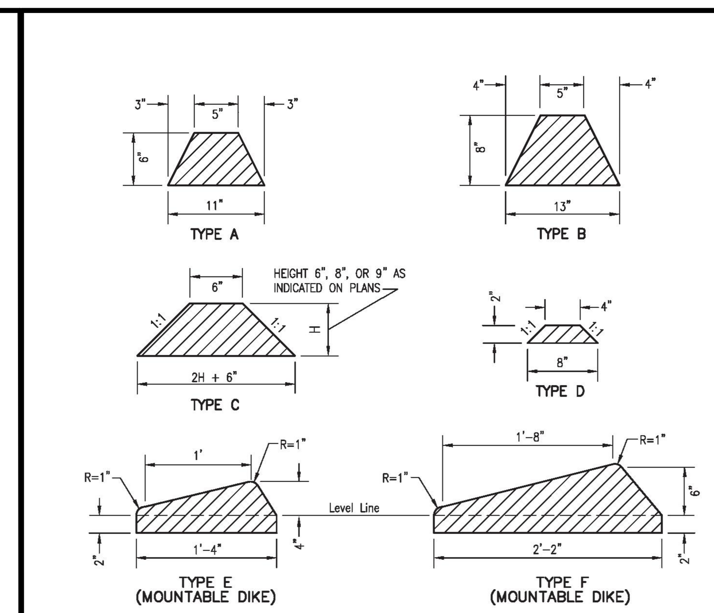
NOTES:
1. CONCRETE SHALL BE 520-C-2500.
2. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.
3. SLOPE TOP OF CURB 2% MAX TOWARD GUTTER.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/06
UPDATED	MR	MR/CV	11/11
UPDATED	CV	CV	12/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER G-02

SAN DIEGO REGIONAL STANDARD DRAWING — DIKES - ASPHALT CONCRETE



APPROX. DIKE QUANTITIES	
TYPE	REQD PER LIN. FT.
A	0.0250 TON
B	0.0375 TON
C-6"	0.0375 TON
C-8"	0.0583 TON
C-9"	0.0702 TON
D	0.0062 TON
E	0.0407 TON
F	0.0623 TON

NOTES:
1. DIKES SHALL BE PLACED ON A 2" SECTION OF A.C. SURFACING, EXTENDING THROUGHOUT THE WIDTH OF THE DIKE.
2. PG-70-10 GRADE ASPHALT TO BE USED FOR ALL DIKES.
3. SHAPE AND COMPACT DIKES WITH AN EXTRUSION MACHINE OR OTHER EQUIPMENT CAPABLE OF SHAPING AND COMPACTING THE MATERIAL TO THE REQUIRED CROSS-SECTION.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/06
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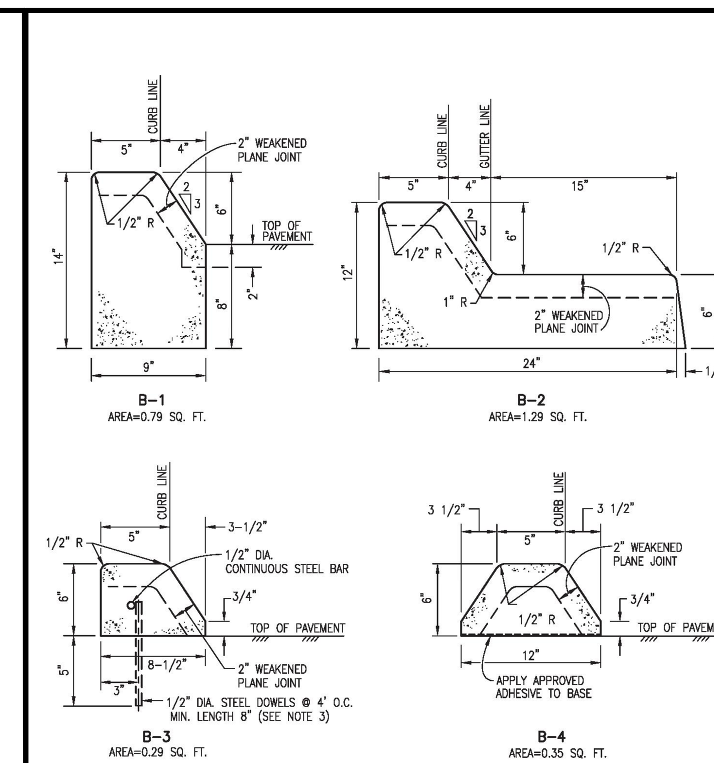
REVIEWED	CV	CV	12/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER G-05

SAN DIEGO REGIONAL STANDARD DRAWING — CURBS AND GUTTER - MEDIANS



NOTES:
1. CONCRETE SHALL BE 520-C-2500.
2. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.
3. EXTRUDED TYPE B-3 CURB SHALL BE ANCHORED TO EXISTING PAVEMENT BY PLACING STEEL DOWELS AND REINFORCING STEEL AS SHOWN OR BY USING AN APPROVED ADHESIVE.
4. SLOPE TOP OF CURB 2% MAX TOWARD GUTTER/PAVEMENT.

LEGEND ON PLANS
(FOR TYPE B-2)
(FOR ALL OTHER TYPES)

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
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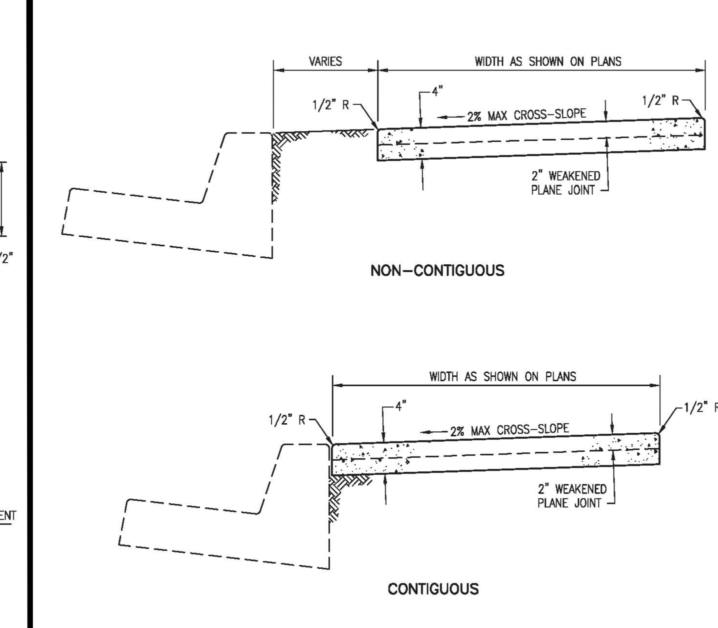
UPDATED	MR	MR/CV	11/11
REVIEWED	CV	CV	12/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER G-06

SAN DIEGO REGIONAL STANDARD DRAWING — SIDEWALK - TYPICAL SECTIONS



NOTES:
1. CONCRETE SHALL BE 520-C-2500.
2. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/06
UPDATED	MR	MR/CV	11/11
REVIEWED	CV	CV	12/15

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — 12/17/2015 Chairperson R.C.E. 19246 Date — DRAWING NUMBER G-07

HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

(SM)
KEYNOTES
LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
	CUT FILL	SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
		TEE PER RMWD W-3, 4, 14, 19, 20
4	S	SEWER CLEAN OUT PER RMWD S-8, 9
5		5' SEWER MANHOLE PER RMWD S-5, 7
6		4" BLOW OFF PER RMWD W-7
7		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
10		6" CURB ONLY PER SDRSD G-1
11		6" AC BERM PER SDRSD G-5 TYPE A
12		6' SIDEWALK PER SDRSD G-7
13		CURB RAMP PER SDRSD G-27 TYPE A
14		CURB OUTLET PER SDRSD D-25
15		CROSS GUTTER PER SDRSD G-12
16		BROW DITCH PER SDRSD D-75 TYPE A
17		CONSTRUCT 3" AC OVER 6" AB
18		CONSTRUCT 4" AC OVER 7" AB
19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER
		CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS	FINISHED SURFACE ELEV.
	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.
	(X/Y)	X = DETAIL # Y = SHEET #

SEE SHT C3.8 FOR DETAILS
SEE SHT C1.7 & C1.8 FOR DETAILS

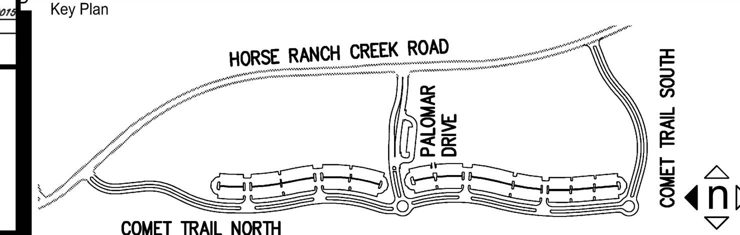
NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDGPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant

Planning ▲ Engineering ▲ Surveying Solved.
MASSON & ASSOCIATES, INC.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal
REGISTERED PROFESSIONAL ENGINEER ROBERT D'AMARO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

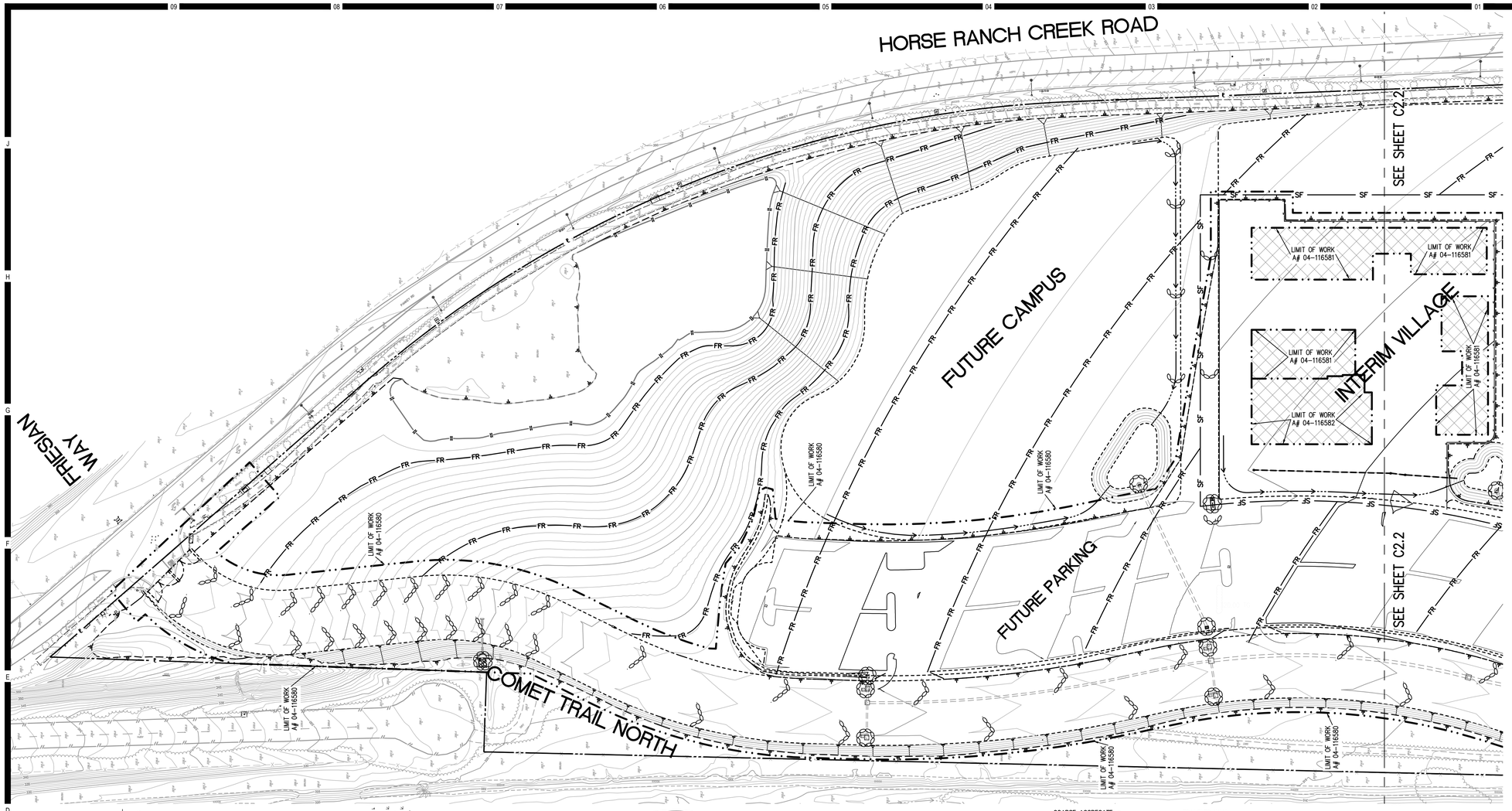
Project Title
North Education Center
Palomar College
PALOMAR COLLEGE Learning for Success
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

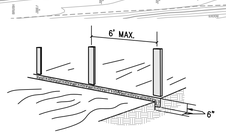
No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

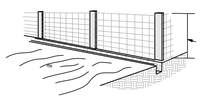
Drawing Title:
S.D.R.S.D. STANDARD DRAWINGS

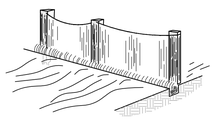
Architect's Seal
LICENSED ARCHITECT ALEX E GLASSICK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

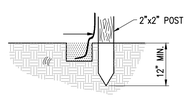
Designed:	RD / DAM	Project No.	5015019-102 MAI PN: 16249
Drawn:	DAM	Scale:	AS NOTED
QAQC	RD	Drawing No.	C1.8
Date:	10/06/2017		





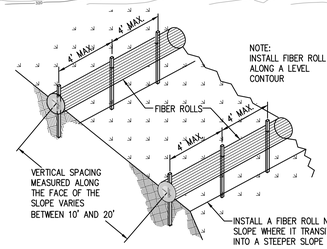




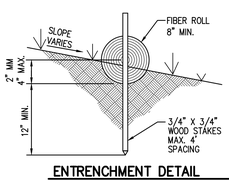


SILT FENCE

N.T.S. / SE-1

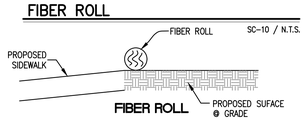


TYPICAL FIBER ROLL INSTALLATION

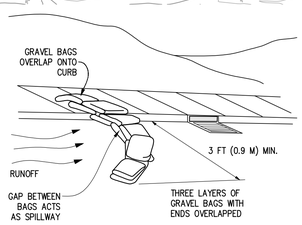


ENTRENCHMENT DETAIL

FIBER ROLL



FIBER ROLL

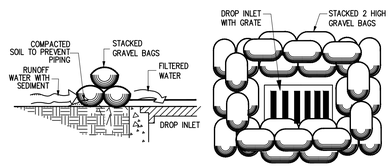


GRAVEL BAGS "CHEVRON"

N.T.S. / SE-8

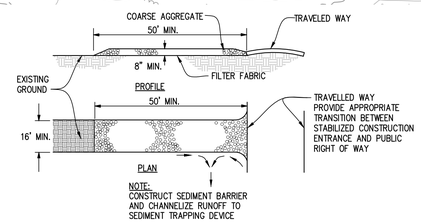
GRAVEL BAG NOTES

1. GRAVEL BAGS SHALL BE PLACED ALONG ALL STREET AND DRIVEWAYS BASED UPON THE FOLLOWING FORMULA:
   GRAVEL BAS SPACING (FEET) = 1.5'/STREET SLOPE
   EXAMPLE: 12.0% STREET 1.5'/0.12 = 12.5' SPACING
2. CONTRACTOR SHALL ASSUME RESPONSIBILITY TO PLACE ANY ADDITIONAL GRAVEL BAGS AS NECESSARY TO PREVENT SITE EROSION.
3. SITE HOUSEKEEPING IS TO BE MAINTAINED ON A REGULAR BASIS SUCH AS REMOVING SILT FROM BASINS, ADJUSTING/REPLACING SAND BAGS AND ONGOING MATERIAL CLEANUP.



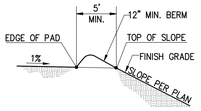
CATCH BASIN & INLET PROTECTION

SE-10 / N.T.S.

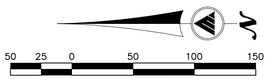


STABILIZED CONSTRUCTION ENTRANCE

N.T.S. / TC-1



TYPICAL BERM-TOP OF ALL FILL SLOPES



KEYNOTES

SYMBOL	DESCRIPTION	DWG
SF	SILT FENCE	SE-1
	GRAVEL BAG BARRIER "CHEVRONS"	SE-8
	STORM DRAIN INLET PROTECTION	SE-10
FR	FIBER ROLLS	SE-5
	DRAINAGE SWALE & LINED DITCHES	EC-9
	STABILIZED CONSTRUCTION ENTRANCE	TC-1
MS	MATERIAL DELIVERY STORAGE	WM-1
SWM	SOLID WASTE MANAGEMENT	WM-5
!	HAZARDOUS WASTE MANAGEMENT	WM-6
CWM	CONCRETE WASTE MANAGEMENT	WM-8
SS	SANITARY/SEPTIC WASTE MANAGEMENT	WM-9

NOTES

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3. WDID # 9 37C380545 .

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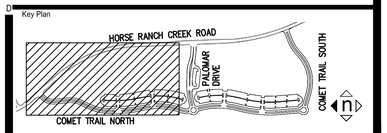
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. MASSON No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
INTERIM VILLAGE EROSION CONTROL PLAN

Architect's Seal

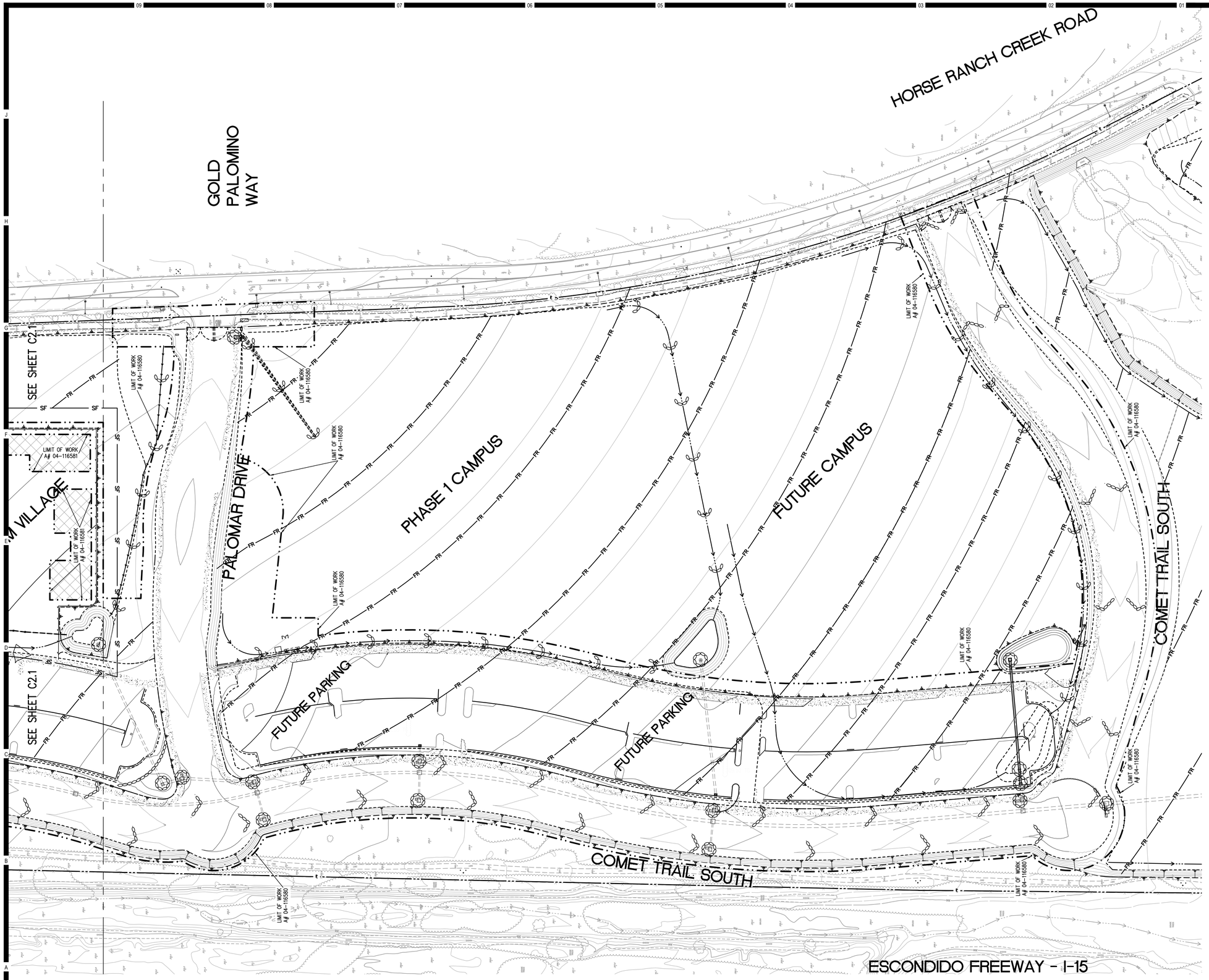
LICENSED ARCHITECT BRADLEY E. GLASS NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C2.1
Date: 10/06/2017	

DSA SUBMITTAL

PLEASE RECYCLE

DATE: Oct 04, 2017 @ 4:41pm by: dmasson FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-EC-C2.1-2.2.dwg



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KEYNOTES

SYMBOL	DESCRIPTION	DWG
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Consultant

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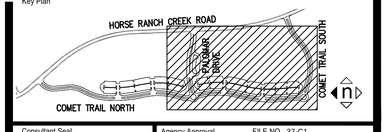
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. AARO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

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Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

INTERIM VILLAGE EROSION CONTROL PLAN

Architect's Seal

LICENSED ARCHITECT BRADLEY E. GLASER NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
Drawn: DAM	MAI PN: 16249
QAQC RD	Scale: AS NOTED
Date: 10/06/2017	Drawing No. C2.2

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GRAPHIC SCALE
1"=50'

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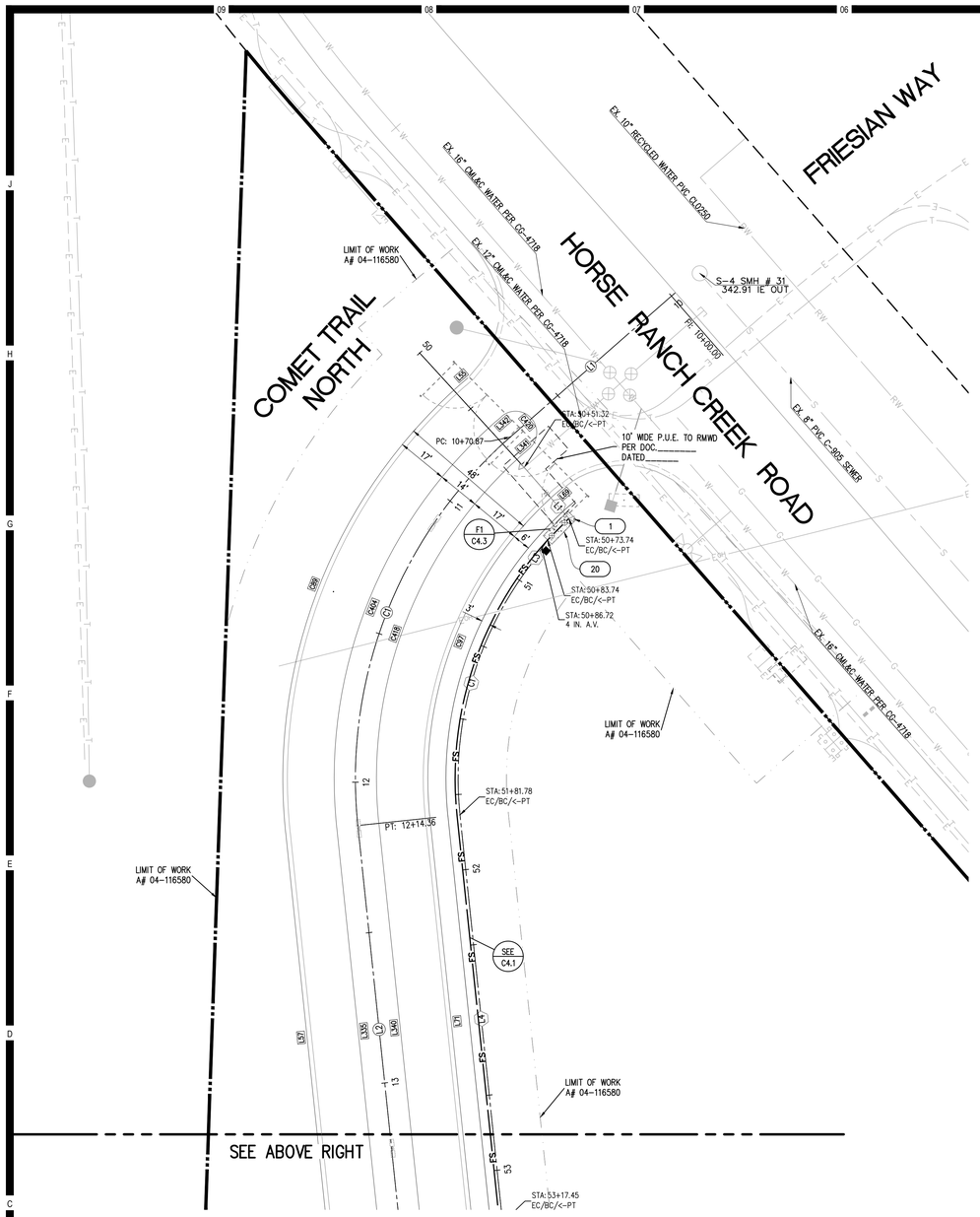

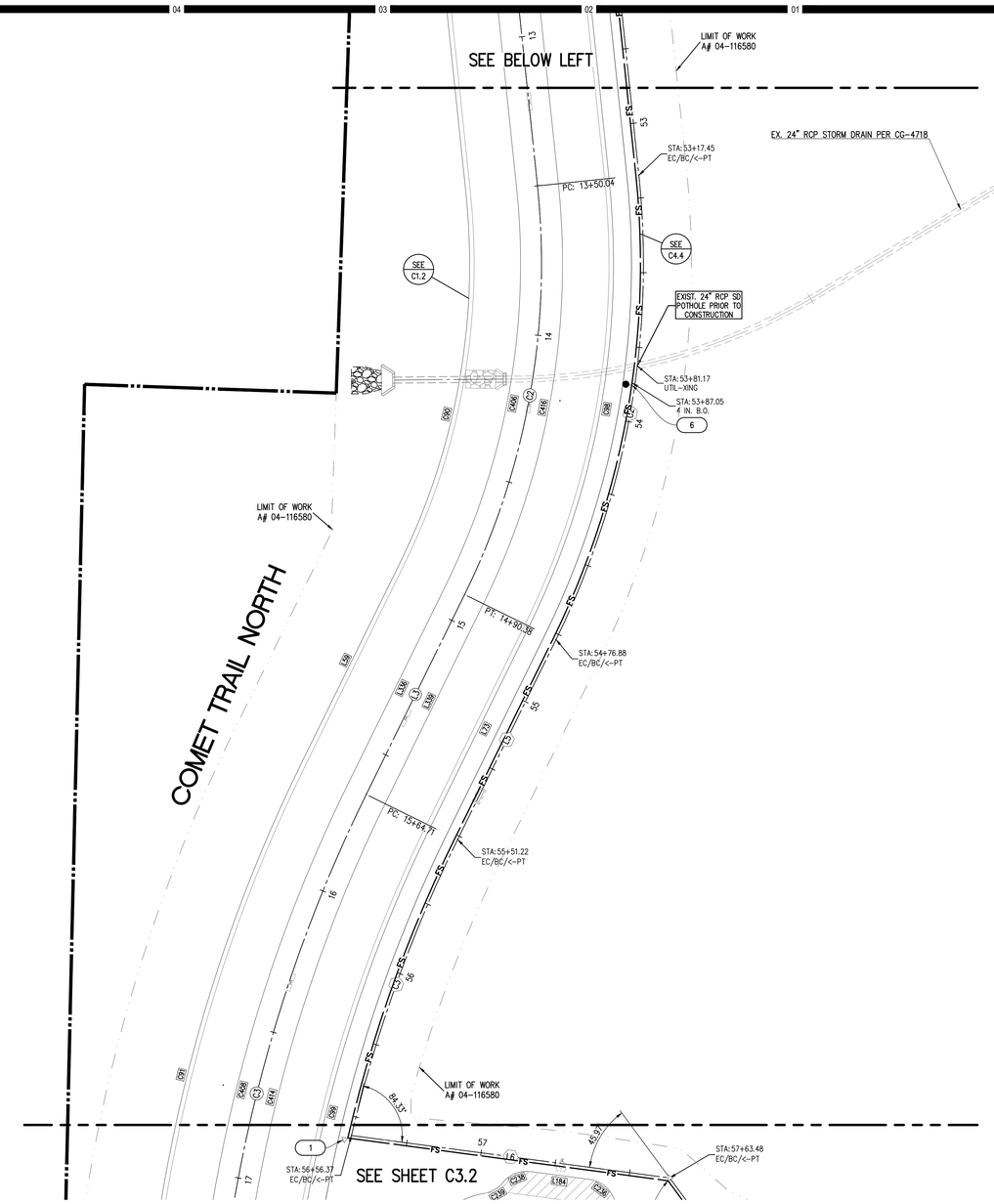

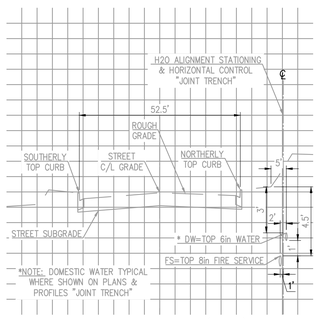

WATER FACILITIES SECTION (TYP.)

NOTE: WATER FACILITIES DATA TABLES REFER TO UTILITY CENTERLINE PER THIS DETAIL. N.T.S.

SCALE IN FEET
GRAPHIC SCALE
1"=20'

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KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
		SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
4		TEE PER RMWD W-3, 4, 14, 19, 20
5		SEWER CLEAN OUT PER RMWD S-8, 9
6		5' SEWER MANHOLE PER RMWD S-5, 7
7		4" BLOW OFF PER RMWD W-7
		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
10		6" CURB ONLY PER SDRSD G-1
11		6" AC BERM PER SDRSD G-5 TYPE A
12		6" SIDEWALK PER SDRSD G-7
13		CURB RAMP PER SDRSD G-27 TYPE A
14		CURB OUTLET PER SDRSD D-25
15		CROSS GUTTER PER SDRSD G-12
16		BROW DITCH PER SDRSD D-75 TYPE A
17		CONSTRUCT 3" AC OVER 6" AB
18		CONSTRUCT 4" AC OVER 7" AB
19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS	FINISHED SURFACE ELEV.
	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.
		X = DETAIL # Y = SHEET #

SEE SHT C1.7 & C1.8 FOR DETAILS

SEE SHT C3.8 FOR DETAILS

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3. WDID # 9 37C380545

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F. 760.741.1786
www.masson-assoc.com

Key Plan

Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. RAMOS
No. C081699
Exp. 03/31/18
CIVIL
STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

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Project Title

PALOMAR COLLEGE
Learning for Success

North Education Center
Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
HORIZONTAL CONTROL
UTILITY PLANS

Architect's Seal

LICENSED ARCHITECT
BRADLEY E. GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C3.1
Date: 10/06/2017	

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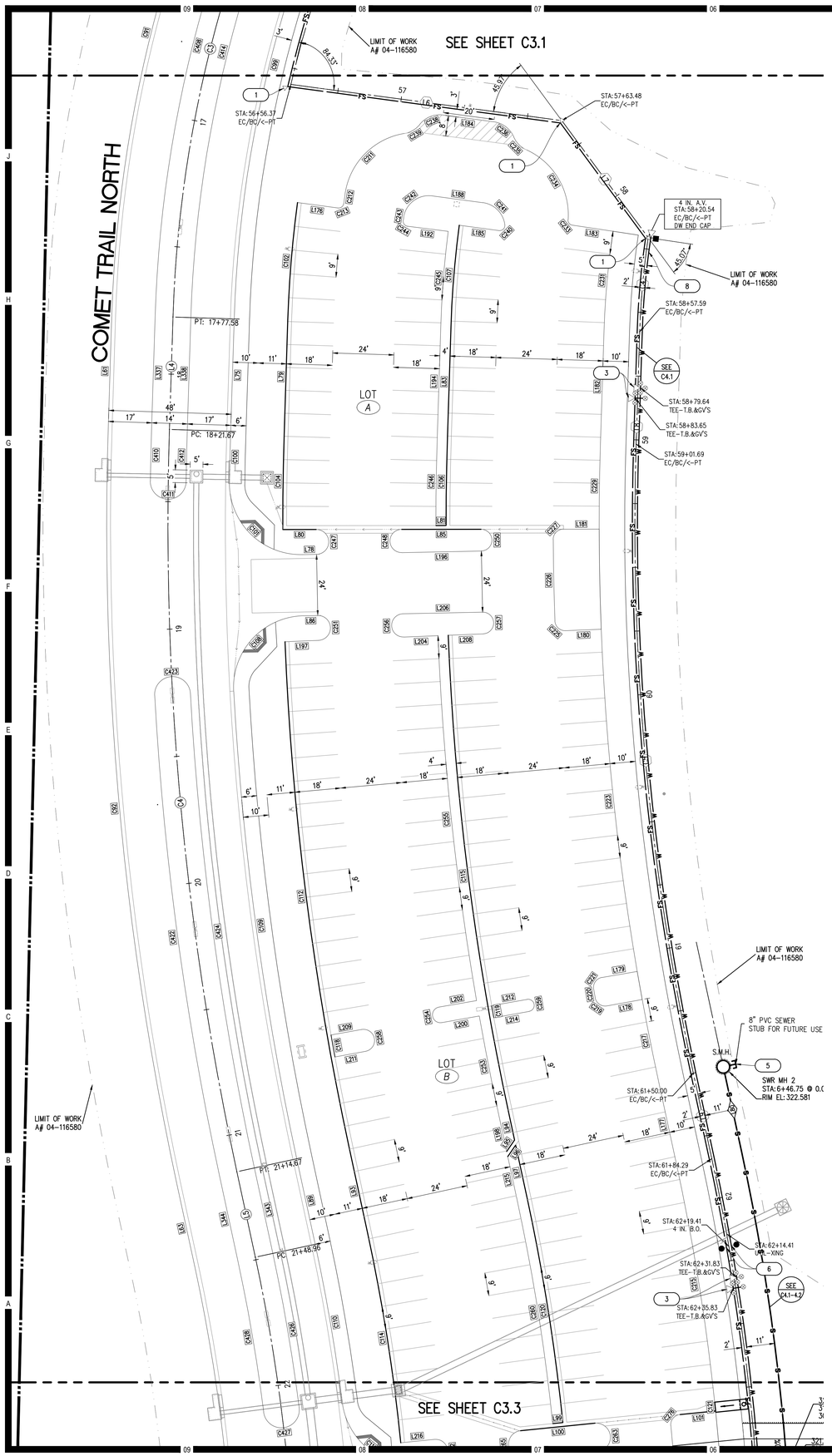

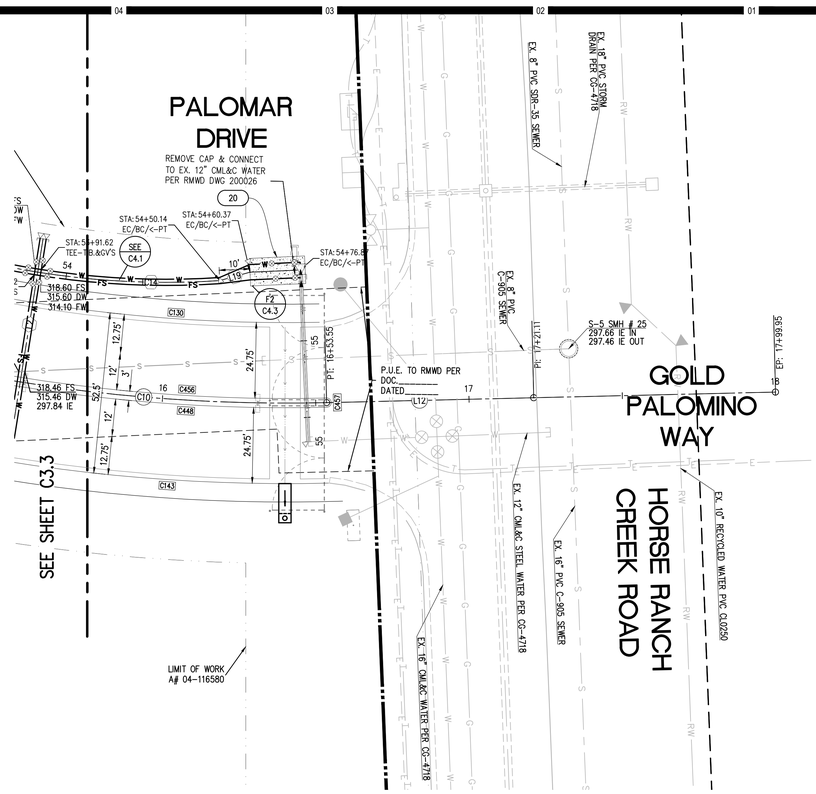

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KEYNOTES LEGEND

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		SLOPE DART
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	307.30 SWR	SEWER INVERT ELEV.
	X = DETAIL # Y = SHEET #	

SEE SHT C1.7 & C1.8 FOR DETAILS
SEE SHT C3.8 FOR DETAILS

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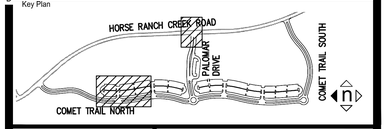
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. AARON No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

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HORIZONTAL CONTROL
UTILITY PLANS

Architect's Seal

LICENSED ARCHITECT BRADLEY E GLASER No. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	RD / DAM	Project No.	5015019-102 MAI PN: 16249
Drawn:	DAM	Scale:	AS NOTED
QAQC	RD	Drawing No.	C3.2
Date:	10/06/2017		

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GRAPHIC SCALE
1" = 20'

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PLEASE RECYCLE

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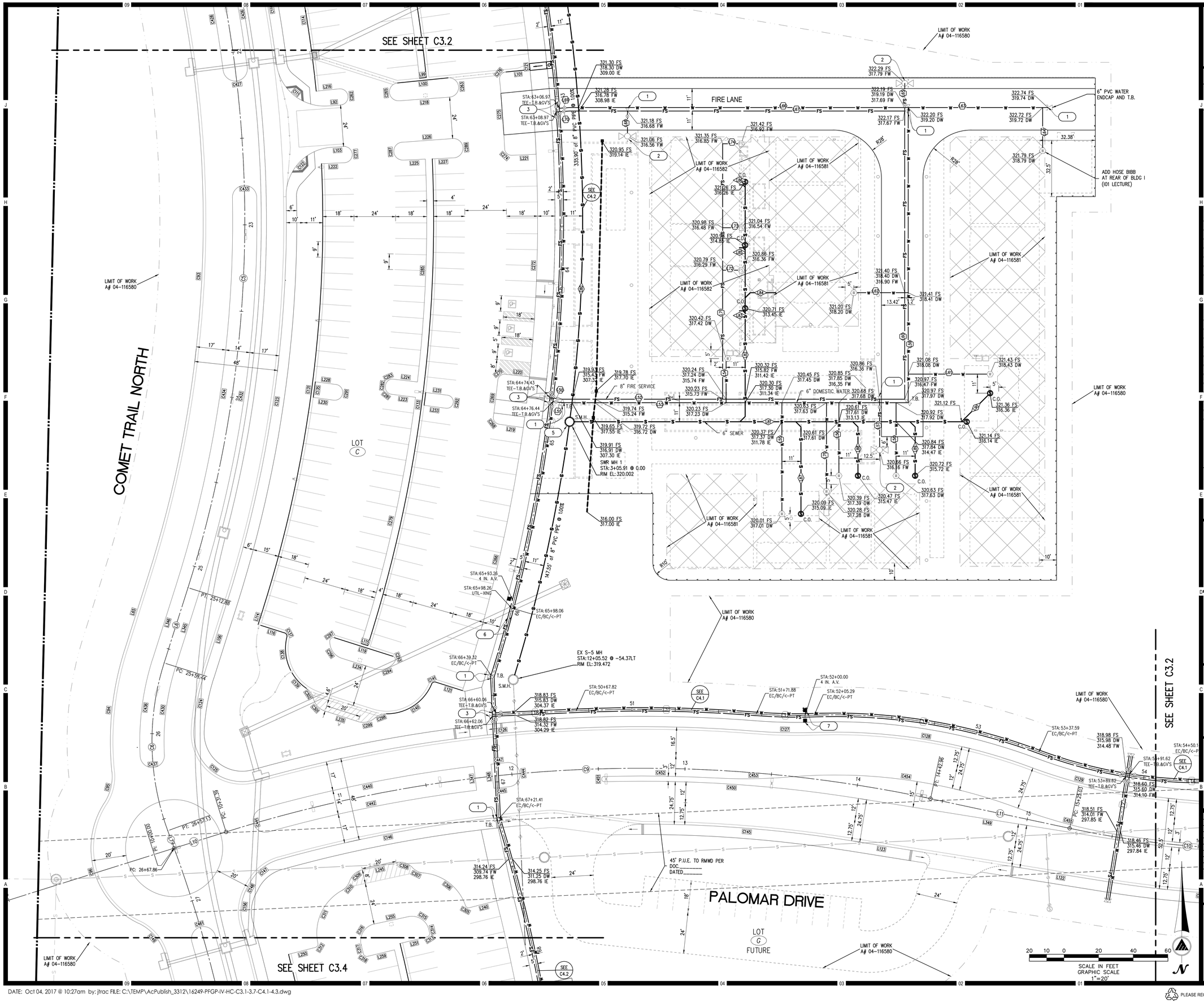

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KEYNOTES

LEGEND

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	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN (SEE SHT C1.7 & C1.8 FOR DETAILS)
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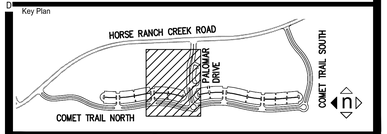
18		CONSTRUCT 4" AC OVER 7" AB
19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS	FINISHED SURFACE ELEV.
	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.
	X Y	X = DETAIL # Y = SHEET #

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. ARROYO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS _____ FLS _____ SSS _____
DATE _____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

HORIZONTAL CONTROL UTILITY PLANS

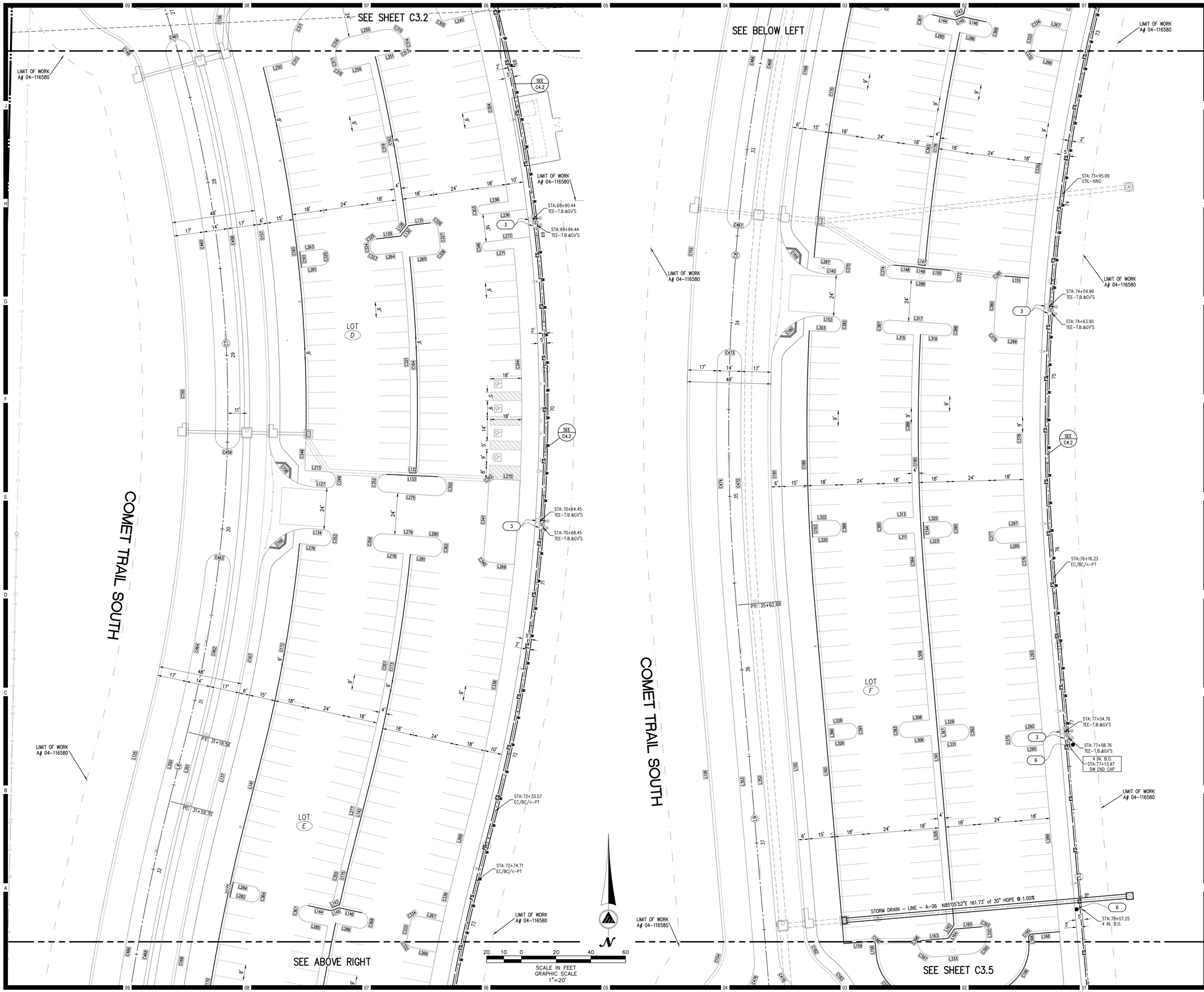
Architect's Seal

LICENSED ARCHITECT BRADLEY E. GLASS REN. 02-28-19 NO. C-32437 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
	MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QA/QC RD	Drawing No. C3.3
Date: 10/06/2017	

DSA SUBMITTAL

PLEASE RECYCLE



HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
		SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20
4		TEE PER RMWD W-3, 4, 14, 19, 20
5		SEWER CLEAN OUT PER RMWD S-8, 9
6		5' SEWER MANHOLE PER RMWD S-5, 7
7		4" BLOW OFF PER RMWD W-7
		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
10		6" CURB ONLY PER SDRSD G-1
11		6" AC BERM PER SDRSD G-5 TYPE A
12		6" SIDEWALK PER SDRSD G-7
13		CURB RAMP PER SDRSD G-27 TYPE A
14		CURB OUTLET PER SDRSD D-25
15		CROSS GUTTER PER SDRSD G-12
16		BROW DITCH PER SDRSD D-75 TYPE A
17		CONSTRUCT 3" AC OVER 6" AB
18		CONSTRUCT 4" AC OVER 7" AB
19		SEE ARCHITECTS PLANS
20		CONSTRUCT DW BACKFLOW PREVENTER CONSTRUCT FW BACKFLOW PREVENTER
	318.89 FS	FINISHED SURFACE ELEV.
	315.87 DW 314.90 FW	DOMESTIC WATER/FIRE SERVICE TP ELEV.
	307.30 SWR	SEWER INVERT ELEV.
	X = DETAIL # Y = SHEET #	

SEE SHT C3.8 FOR DETAILS

SEE SHT C1.7 & C1.8 FOR DETAILS

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDGPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant

MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
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Escondido, CA 92025
O. 760.741.3570
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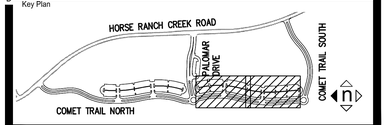
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. AMATO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

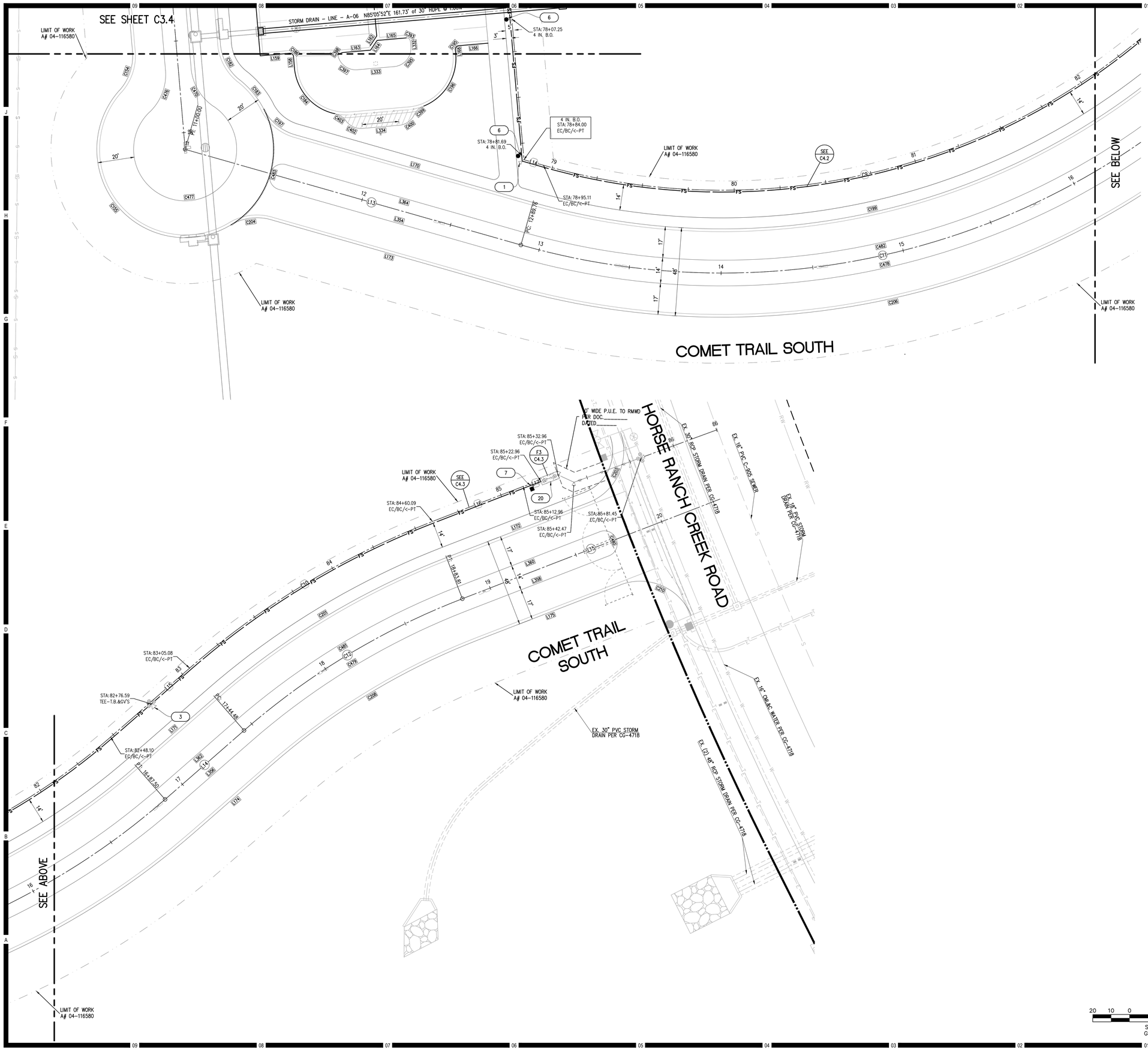
Drawing Title:

HORIZONTAL CONTROL UTILITY PLANS

Architect's Seal

LICENSED ARCHITECT BRENT E. GLASS NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
	MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C3.4
Date: 10/06/2017	



SCALE IN FEET
GRAPHIC SCALE
1"=20'

KEYNOTES LEGEND

KEY NOTE	SYMBOL	DESCRIPTION
		PROPERTY BOUNDARY
		EXISTING EASEMENT
		RIGHT OF WAY
		CENTERLINE
		EXISTING STORM DRAIN & APPURT'S
		LIMITS OF GRADING
		TOP / TOE OF SLOPE
		SLOPE DART
	S S	EXISTING SEWER
	W W	EXISTING WATER
		EXISTING STORM DRAIN
1		THRUST BLOCK PER RMWD W-4
2		FIRE HYDRANT PER RMWD W-9
3		G.V. PER RMWD W-3, 14, 19, 20 TEE PER RMWD W-3, 4, 14, 19, 20
4		SEWER CLEAN OUT PER RMWD S-8, 9
5		5' SEWER MANHOLE PER RMWD S-5, 7
6		4" BLOW OFF PER RMWD W-7
7		4" AIR VALVE PER RMWD W 12
	S S	6" SDR-35 SEWER RMWD S-1
	FS	8" PVC C-900 FIRE SERVICE RMWD W-3
	W W	6" PVC C-900 DOMESTIC WATER RMWD W-3
		PROPOSED HDPE S.D. SIZE TYPE PER PLAN
9		6" C&G PER SDRSD G-2 TYPE G
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13		CURB RAMP PER SDRSD G-27 TYPE A
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	X = DETAIL # Y = SHEET #	

SEE SHT C3.8 FOR DETAILS

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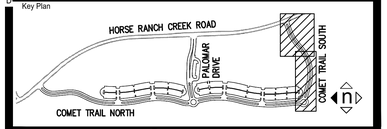
Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. ADAMS No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
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Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
HORIZONTAL CONTROL
UTILITY PLANS

Architect's Seal

LICENSED ARCHITECT BRADLEY E. GLASS NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C3.5
Date: 10/06/2017	

DATE: Oct 04, 2017 @ 10:28am by: jtrac FILE: C:\TEMP\AcPublish_3312\16249-PFGP-IV-HC-C3.1-3.7-C4.1-4.3.dwg

PLEASE RECYCLE

DSA SUBMITTAL

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
C89	054°48'31"	174.00'	166.45'	6" CURB AND GUTTER
C90	032°09'51"	226.00'	126.87'	6" CURB AND GUTTER
C91	024°23'33"	524.00'	223.08'	6" CURB AND GUTTER
C92	013°59'23"	1224.00'	298.86'	6" CURB AND GUTTER
C93	029°47'16"	676.00'	351.45'	6" CURB AND GUTTER
C94	023°22'12"	174.00'	70.97'	6" CURB AND GUTTER
C95	038°41'32"	28.00'	18.91'	6" CURB AND GUTTER
C96	097°41'21"	48.00'	81.84'	6" CURB AND GUTTER
C97	054°48'31"	126.00'	120.53'	6" CURB AND GUTTER
C98	032°09'51"	274.00'	153.82'	6" CURB AND GUTTER
C99	024°23'33"	476.00'	202.65'	6" CURB AND GUTTER
C100	000°58'19"	1176.00'	19.95'	6" CURB AND GUTTER
C101	091°59'48"	28.00'	44.96'	6" CURB AND GUTTER
C102	005°51'16"	455.00'	46.49'	6" CURB AND GUTTER
C104	001°52'38"	1155.00'	37.84'	6" CURB AND GUTTER
C106	001°47'54"	1091.00'	34.25'	6" CURB AND GUTTER
C107	005°47'55"	391.00'	39.57'	6" CURB AND GUTTER
C108	091°59'48"	28.00'	44.96'	6" CURB AND GUTTER
C109	009°01'27"	1176.00'	185.22'	6" CURB AND GUTTER
C110	004°58'34"	724.00'	62.88'	6" CURB AND GUTTER
C111	086°57'03"	28.00'	42.49'	6" CURB AND GUTTER
C112	009°55'46"	1155.00'	200.17'	6" CURB AND GUTTER
C114	006°24'36"	745.00'	83.35'	6" CURB AND GUTTER
C115	009°55'46"	1091.00'	189.07'	6" CURB AND GUTTER
C118	000°26'11"	1153.50'	8.79'	6" CURB AND GUTTER
C119	000°15'13"	1089.50'	4.82'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
C120	006°18'14"	809.00'	89.01'	6" CURB AND GUTTER
C121	000°13'51"	869.00'	3.50'	6" CURB AND GUTTER
C122	086°57'02"	28.00'	42.49'	6" CURB AND GUTTER
C123	018°42'49"	724.00'	236.47'	6" CURB AND GUTTER
C124	014°46'44"	126.00'	32.50'	6" CURB AND GUTTER
C125	108°30'51"	28.00'	53.03'	6" CURB AND GUTTER
C126	020°15'01"	824.00'	291.23'	6" CURB AND GUTTER
C127	006°36'03"	300.00'	34.56'	6" CURB AND GUTTER
C128	022°36'40"	325.25'	128.36'	6" CURB AND GUTTER
C129	011°28'44"	274.75'	55.04'	6" CURB AND GUTTER
C130	010°15'28"	523.75'	93.77'	6" CURB AND GUTTER
C131	020°08'51"	745.00'	261.97'	6" CURB AND GUTTER
C133	020°10'55"	809.00'	284.96'	6" CURB AND GUTTER
C135	000°41'32"	746.50'	9.02'	6" CURB AND GUTTER
C137	086°06'03"	2.00'	3.01'	6" CURB AND GUTTER
C138	040°41'29"	28.00'	19.89'	6" CURB AND GUTTER
C139	025°19'21"	28.00'	12.37'	6" CURB AND GUTTER
C140	067°45'56"	28.00'	33.12'	6" CURB AND GUTTER
C141	084°46'59"	2.00'	2.96'	6" CURB AND GUTTER
C143	010°27'02"	576.25'	105.11'	6" CURB AND GUTTER
C145	009°04'43"	767.75'	121.65'	6" CURB AND GUTTER
C146	009°28'24"	776.00'	128.31'	6" CURB AND GUTTER
C147	048°15'07"	28.00'	23.58'	6" CURB AND GUTTER
C148	002°41'34"	48.00'	2.26'	6" CURB AND GUTTER
C149	049°03'39"	28.00'	23.98'	6" CURB AND GUTTER
C150	030°02'27"	726.00'	380.65'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
C152	019°14'28"	1224.00'	411.04'	6" CURB AND GUTTER
C154	046°49'35"	28.00'	22.88'	6" CURB AND GUTTER
C155	162°52'03"	48.00'	136.44'	6" CURB AND GUTTER
C156	044°48'47"	28.00'	21.90'	6" CURB AND GUTTER
C157	017°12'50"	774.00'	232.54'	6" CURB AND GUTTER
C158	087°08'28"	28.00'	42.59'	6" CURB AND GUTTER
C160	015°28'41"	795.00'	214.76'	6" CURB AND GUTTER
C161	000°38'55"	796.50'	9.02'	6" CURB AND GUTTER
C162	006°33'41"	859.00'	98.37'	6" CURB AND GUTTER
C164	008°18'07"	859.25'	124.50'	6" CURB AND GUTTER
C166	087°08'28"	28.00'	42.59'	6" CURB AND GUTTER
C167	007°24'15"	774.00'	100.02'	6" CURB AND GUTTER
C168	008°32'57"	1176.00'	175.47'	6" CURB AND GUTTER
C169	091°59'48"	28.00'	44.96'	6" CURB AND GUTTER
C170	009°29'49"	1155.00'	191.45'	6" CURB AND GUTTER
C172	008°44'58"	795.00'	121.40'	6" CURB AND GUTTER
C173	008°44'58"	859.00'	131.17'	6" CURB AND GUTTER
C175	001°45'28"	1091.00'	33.47'	6" CURB AND GUTTER
C177	000°27'13"	1153.50'	9.13'	6" CURB AND GUTTER
C178	007°07'47"	1091.00'	135.76'	6" CURB AND GUTTER
C180	091°59'48"	28.00'	44.96'	6" CURB AND GUTTER
C181	006°41'54"	1176.00'	137.48'	6" CURB AND GUTTER
C182	046°49'35"	28.00'	22.88'	6" CURB AND GUTTER
C183	024°26'18"	48.00'	20.47'	6" CURB AND GUTTER
C184	072°58'51"	28.00'	35.67'	6" CURB AND GUTTER
C186	090°00'00"	2.00'	3.14'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
C189	007°38'47"	1155.00'	154.14'	6" CURB AND GUTTER
C190	007°41'27"	1091.00'	146.45'	6" CURB AND GUTTER
C193	000°27'13"	1153.50'	9.13'	6" CURB AND GUTTER
C194	000°28'50"	1089.50'	9.14'	6" CURB AND GUTTER
C195	090°00'00"	2.00'	3.14'	6" CURB AND GUTTER
C196	072°58'51"	28.00'	35.67'	6" CURB AND GUTTER
C197	046°49'35"	28.00'	22.88'	6" CURB AND GUTTER
C199	056°58'17"	376.00'	373.87'	6" CURB AND GUTTER
C201	019°57'28"	424.00'	147.69'	6" CURB AND GUTTER
C203	088°30'26"	30.00'	46.34'	6" CURB AND GUTTER
C204	046°49'35"	28.00'	22.88'	6" CURB AND GUTTER
C206	056°58'17"	424.00'	421.60'	6" CURB AND GUTTER
C208	019°57'28"	376.00'	130.97'	6" CURB AND GUTTER
C210	088°30'26"	30.00'	46.34'	6" CURB AND GUTTER
L55	S48°50'34"W		2.32'	6" CURB AND GUTTER
L57	S05°57'57"E		135.67'	6" CURB AND GUTTER
L59	S26°11'55"W		74.33'	6" CURB AND GUTTER
L61	S01°48'21"W		44.10'	6" CURB AND GUTTER
L63	S12°11'02"E		34.28'	6" CURB AND GUTTER
L65	S17°36'15"W		45.56'	6" CURB AND GUTTER
L69	S48°50'34"W		2.32'	6" CURB AND GUTTER
L71	S05°57'57"E		135.67'	6" CURB AND GUTTER
L73	S26°11'55"W		74.33'	6" CURB AND GUTTER
L75	S01°48'21"W		44.10'	6" CURB AND GUTTER
L78	N88°50'14"E		5.55'	6" CURB AND GUTTER
L79	S01°48'21"W		44.10'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
L80	N89°55'43"E		13.14'	6" CURB AND GUTTER
L81	N89°55'43"E		4.00'	6" CURB AND GUTTER
L83	N01°48'21"E		44.10'	6" CURB AND GUTTER
L85	S89°55'43"W		31.18'	6" CURB AND GUTTER
L86	S88°50'14"W		5.55'	6" CURB AND GUTTER
L89	S12°11'02"E		34.28'	6" CURB AND GUTTER
L92	N85°50'29"E		7.19'	6" CURB AND GUTTER
L93	S12°11'02"E		34.28'	6" CURB AND GUTTER
L94	S12°11'02"E		10.80'	6" CURB AND GUTTER
L95	S34°42'51"W		5.48'	6" CURB AND GUTTER
L96	N34°42'51"E		5.48'	6" CURB AND GUTTER
L97	S12°11'02"E		21.43'	6" CURB AND GUTTER
L99	S84°13'50"W		4.00'	6" CURB AND GUTTER
L100	N84°13'50"E		29.41'	6" CURB AND GUTTER
L101	N84°13'35"E		14.01'	6" CURB AND GUTTER
L103	S85°50'29"W		7.19'	6" CURB AND GUTTER
L106	S17°36'15"W		45.56'	6" CURB AND GUTTER
L114	S17°36'15"W		8.03'	6" CURB AND GUTTER
L115	N72°23'45"W		4.00'	6" CURB AND GUTTER
L116	S72°23'45"E		14.53'	6" CURB AND GUTTER
L119	S72°23'45"E		35.49'	6" CURB AND GUTTER
L121	S72°23'45"E		16.12'	6" CURB AND GUTTER
L122	N80°54'26"W		57.74'	6" CURB AND GUTTER
L123	N80°54'26"W		35.43'	6" CURB AND GUTTER
L125	S14°20'20"W		41.13'	6" CURB AND GUTTER
L126	S04°54'07"E		191.01'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
L127	S85°55'26"E		7.15'	6" CURB AND GUTTER
L128	S38°26'03"W		5.62'	6" CURB AND GUTTER
L129	N83°19'17"E		14.01'	6" CURB AND GUTTER
L130	N38°26'03"E		7.74'	6" CURB AND GUTTER
L131	N82°57'28"E		12.49'	6" CURB AND GUTTER
L132	N87°26'15"W		4.00'	6" CURB AND GUTTER
L133	S87°26'15"E		29.37'	6" CURB AND GUTTER
L134	N85°55'26"W		7.15'	6" CURB AND GUTTER
L137	S14°20'20"W		41.13'	6" CURB AND GUTTER
L140	S86°12'51"E		5.89'	6" CURB AND GUTTER
L141	N14°20'20"E		41.13'	6" CURB AND GUTTER
L142	S14°20'20"W		41.13'	6" CURB AND GUTTER
L143	S68°57'29"W		4.80'	6" CURB AND GUTTER
L144	S77°39'07"E		13.44'	6" CURB AND GUTTER
L145	N68°57'29"E		4.79'	6" CURB AND GUTTER
L146	S77°30'48"E		13.49'	6" CURB AND GUTTER
L147	N80°54'50"W		4.01'	6" CURB AND GUTTER
L148	S85°11'12"E		14.12'	6" CURB AND GUTTER
L149	S80°51'14"E		4.01'	6" CURB AND GUTTER
L150	S85°12'10"E		14.57'	6" CURB AND GUTTER
L151	S85°14'06"E		13.99'	6" CURB AND GUTTER
L152	N86°11'59"W		5.89'	6" CURB AND GUTTER
L155	S04°54'07"E		191.01'	6" CURB AND GUTTER
L158	N04°54'07"W		6.06'	6" CURB AND GUTTER
L159	S85°05'53"W		16.00'	6" CURB AND GUTTER
L160	N04°54'07"W		199.26'	6" CURB AND GUTTER

CURB AND GUTTER TABLE

#	Bearing/Delta	Radius	Length	Description
L161	S04°54'07"E		193.96'	6" CURB AND GUTTER
L162	S33°55'03"W		6.38'	6" CURB AND GUTTER
L163	N85°05'53"E		15.75'	6" CURB AND GUTTER
L164	N33°55'03"E		6.38'	6" CURB AND GUTTER
L165	N85°05'53"E		16.00'	6" CURB AND GUTTER
L166	S85°05'53"W		16.00'	6" CURB AND GUTTER
L168	S04°54'07"E		2.30'	6" CURB AND GUTTER
L170	S74°07'00"E		134.34'	6" CURB AND GUTTER
L171	N48°54'44"E		56.99'	6" CURB AND GUTTER
L172	N68°52'11"E		82.78'	6" CURB AND GUTTER
L173	S74°07'00"E		134.34'	6" CURB AND GUTTER
L174	N48°54'44"E		56.99'	6" CURB AND GUTTER
L175	N68°52'11"E		82.78'	6" CURB AND GUTTER

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C211	072°08'39"	28.00'	35.26'	6" CURB ONLY
C212	000°31'25"	437.00'	3.99'	6" CURB ONLY
C213	089°44'20"	2.00'	3.13'	6" CURB ONLY
C215	006°10'46"	869.00'	93.72'	6" CURB ONLY
C217	001°48'24"	1031.00'	32.51'	6" CURB ONLY
C219	090°13'10"	4.00'	6.30'	6" CURB ONLY
C220	000°10'55"	1049.00'	3.33'	6" CURB ONLY
C221	090°13'10"	4.00'	6.30'	6" CURB ONLY
C223	007°30'08"	1031.00'	135.00'	6" CURB ONLY
C225	090°13'10"	4.00'	6.30'	6" CURB ONLY
C226	001°44'39"	1049.00'	31.93'	6" CURB ONLY
C227	090°13'10"	4.00'	6.30'	6" CURB ONLY
C229	001°52'38"	1031.00'	33.78'	6" CURB ONLY
C231	006°46'21"	331.00'	39.13'	6" CURB ONLY
C233	085°23'44"	2.00'	2.98'	6" CURB ONLY
C234	069°21'14"	28.00'	33.89'	6" CURB ONLY
C235	041°51'51"	10.00'	7.31'	6" CURB ONLY
C236	058°52'54"	10.00'	10.28'	6" CURB ONLY
C238	058°52'54"	10.00'	10.28'	6" CURB ONLY
C239	041°51'51"	10.00'	7.31'	6" CURB ONLY
C240	104°28'39"	2.00'	3.65'	6" CURB ONLY
C241	075°31'21"	10.00'	13.18'	6" CURB ONLY
C242	090°00'00"	10.00'	15.71'	6" CURB ONLY
C243	090°00'00"	10.00'	15.71'	6" CURB ONLY
C244	090°16'44"	2.00'	3.15'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C245	005°22'16"	395.00'	37.03'	6" CURB ONLY
C246	001°47'55"	1095.00'	34.38'	6" CURB ONLY
C247	178°54'31"	4.88'	15.22'	6" CURB ONLY
C248	181°05'29"	4.56'	14.40'	6" CURB ONLY
C250	178°54'29"	4.26'	13.30'	6" CURB ONLY
C251	178°54'31"	4.88'	15.22'	6" CURB ONLY
C253	002°04'32"	1095.00'	39.67'	6" CURB ONLY
C254	180°19'09"	3.09'	9.73'	6" CURB ONLY
C255	007°32'05"	1095.00'	144.00'	6" CURB ONLY
C256	181°05'29"	4.56'	14.40'	6" CURB ONLY
C257	178°54'29"	4.26'	13.30'	6" CURB ONLY
C258	179°33'49"	4.35'	13.62'	6" CURB ONLY
C259	180°00'00"	2.38'	7.47'	6" CURB ONLY
C260	006°18'12"	805.00'	88.56'	6" CURB ONLY
C262	181°36'54"	4.69'	14.86'	6" CURB ONLY
C263	180°00'00"	5.58'	17.52'	6" CURB ONLY
C265	178°23'02"	5.16'	16.08'	6" CURB ONLY
C266	010°18'17"	867.70'	156.06'	6" CURB ONLY
C268	089°43'55"	4.00'	6.26'	6" CURB ONLY
C269	001°29'19"	808.02'	20.99'	6" CURB ONLY
C270	089°43'55"	4.00'	6.26'	6" CURB ONLY
C272	008°29'00"	869.00'	128.67'	6" CURB ONLY
C274	089°43'55"	4.00'	6.26'	6" CURB ONLY
C275	002°41'39"	851.00'	40.01'	6" CURB ONLY
C276	089°43'55"	4.00'	6.26'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C277	181°36'54"	4.69'	14.86'	6" CURB ONLY
C279	010°22'25"	805.00'	145.75'	6" CURB ONLY
C281	089°42'37"	4.00'	6.26'	6" CURB ONLY
C282	000°03'22"	787.00'	0.77'	6" CURB ONLY
C283	089°42'37"	4.00'	6.26'	6" CURB ONLY
C285	009°10'23"	805.00'	128.88'	6" CURB ONLY
C287	178°23'02"	5.16'	16.08'	6" CURB ONLY
C289	180°00'00"	5.58'	17.52'	6" CURB ONLY
C291	180°00'00"	4.58'	14.39'	6" CURB ONLY
C292	180°31'43"	3.80'	11.97'	6" CURB ONLY
C293	104°28'39"	2.00'	3.65'	6" CURB ONLY
C294	075°31'21"	10.00'	13.18'	6" CURB ONLY
C296	075°31'21"	10.00'	13.18'	6" CURB ONLY
C297	104°28'39"	2.00'	3.65'	6" CURB ONLY
C298	041°51'51"	10.00'	7.31'	6" CURB ONLY
C299	058°52'54"	10.00'	10.28'	6" CURB ONLY
C301	058°52'54"	10.00'	10.28'	6" CURB ONLY
C302	041°51'51"	10.00'	7.31'	6" CURB ONLY
C303	179°09'39"	2.64'	8.25'	6" CURB ONLY
C304	006°52'04"	919.00'	110.16'	6" CURB ONLY
C305	085°12'06"	2.00'	2.97'	6" CURB ONLY
C306	066°02'24"	28.00'	32.27'	6" CURB ONLY
C307	041°52'17"	10.00'	7.31'	6" CURB ONLY
C308	058°52'05"	10.00'	10.27'	6" CURB ONLY
C309	058°52'05"	10.00'	10.27'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C310	041°52'17"	10.00'	7.31'	6" CURB ONLY
C311	073°09'05"	28.00'	35.75'	6" CURB ONLY
C312	088°00'02"	2.00'	3.07'	6" CURB ONLY
C313	090°07'51"	2.00'	3.15'	6" CURB ONLY
C314	000°07'37"	877.00'	1.94'	6" CURB ONLY
C315	088°15'02"	10.00'	15.40'	6" CURB ONLY
C316	091°47'27"	10.00'	16.02'	6" CURB ONLY
C317	000°21'10"	837.00'	5.15'	6" CURB ONLY
C318	089°51'48"	2.00'	3.14'	6" CURB ONLY
C319	006°38'07"	855.00'	99.01'	6" CURB ONLY
C320	180°38'55"	4.58'	14.43'	6" CURB ONLY
C321	008°31'20"	855.24'	127.21'	6" CURB ONLY
C323	089°43'39"	4.00'	6.26'	6" CURB ONLY
C324	000°04'16"	837.00'	1.04'	6" CURB ONLY
C325	089°43'39"	4.00'	6.26'	6" CURB ONLY
C326	090°15'45"	4.00'	6.30'	6" CURB ONLY
C327	000°40'32"	877.00'	10.34'	6" CURB ONLY
C328	090°15'45"	4.00'	6.30'	6" CURB ONLY
C330	007°00'08"	1031.00'	126.00'	6" CURB ONLY
C332	090°13'10"	4.00'	6.30'	6" CURB ONLY
C333	000°33'42"	1049.00'	10.28'	6" CURB ONLY
C334	090°13'10"	4.00'	6.30'	6" CURB ONLY
C336	001°34'17"	1031.00'	28.28'	6" CURB ONLY
C338	008°44'58"	919.00'	140.34'	6" CURB ONLY
C340	089°44'48"	4.00'	6.27'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C341	002°31'14"	901.00'	39.64'	6" CURB ONLY
C342	089°44'48"	4.00'	6.27'	6" CURB ONLY
C344	008°19'50"	919.00'	133.62'	6" CURB ONLY
C346	179°09'35"	2.64'	8.25'	6" CURB ONLY
C348	001°23'11"	795.00'	19.24'	6" CURB ONLY
C349	181°30'49"	4.68'	14.81'	6" CURB ONLY
C350	181°30'51"	5.51'	17.46'	6" CURB ONLY
C352	178°29'11"	5.12'	15.96'	6" CURB ONLY
C353	181°30'49"	4.68'	14.81'	6" CURB ONLY
C355	001°53'49"	1095.00'	36.25'	6" CURB ONLY
C357	008°44'58"	855.00'	130.56'	6" CURB ONLY
C359	178°29'11"	5.12'	15.96'	6" CURB ONLY
C362	181°30'47"	5.51'	17.46'	6" CURB ONLY
C364	179°32'45"	4.52'	14.16'	6" CURB ONLY
C365	006°59'07"	1095.00'	133.50'	6" CURB ONLY
C367	180°28'15"	4.56'	14.35'	6" CURB ONLY
C368	180°00'00"	4.52'	14.20'	6" CURB ONLY
C370	180°00'00"	4.45'	13.97'	6" CURB ONLY
C372	180°00'00"	3.43'	10.79'	6" CURB ONLY
C374	181°01'12"	3.87'	12.24'	6" CURB ONLY
C375	180°00'00"	4.50'	14.14'	6" CURB ONLY
C376	001°13'16"	1031.00'	21.97'	6" CURB ONLY
C377	180°30'01"	4.56'	14.36'	6" CURB ONLY
C378	006°00'07"	1031.00'	108.00'	6" CURB ONLY
C379	090°13'10"	4.00'	6.30'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
C380	001°30'19"	1049.00'	27.56'	6" CURB ONLY
C381	090°13'10"	4.00'	6.30'	6" CURB ONLY
C382	180°00'00"	4.45'	13.97'	6" CURB ONLY
C383	180°00'00"	4.50'	14.14'	6" CURB ONLY
C384	001°42'34"	1095.00'	32.67'	6" CURB ONLY
C385	180°28'15"	4.56'	14.35'	6" CURB ONLY
C386	005°29'40"	1095.00'	105.01'	6" CURB ONLY
C387	181°01'12"	3.87'	12.24'	6" CURB ONLY
C388	178°59'45"	3.43'	10.72'	6" CURB ONLY
C389	180°00'00"	4.52'	14.19'	6" CURB ONLY
C390	180°00'00"	4.52'	14.20'	6" CURB ONLY
C391	180°00'00"	4.50'	14.14'	6" CURB ONLY
C392	180°00'00"	4.50'	14.14'	6" CURB ONLY
C393	090°00'00"	2.00'	3.14'	6" CURB ONLY
C395	090°00'00"	10.00'	15.71'	6" CURB ONLY
C397	075°31'21"	10.00'	13.18'	6" CURB ONLY
C398	104°28'39"	2.00'	3.65'	6" CURB ONLY
C399	041°51'51"	10.00'	7.31'	6" CURB ONLY
C400	058°52'54"	10.00'	10.28'	6" CURB ONLY
C402	058°52'54"	10.00'	10.28'	6" CURB ONLY
C403	041°51'51"	10.00'	7.31'	6" CURB ONLY
L176	N82°20'23"W		16.00'	6" CURB ONLY
L177	N12°11'02"W		34.28'	6" CURB ONLY
L178	S79°37'22"W		13.99'	6" CURB ONLY
L179	N80°14'36"E		13.99'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
L180	S87°44'45"W		13.99'	6" CURB ONLY
L181	N89°55'43"E		13.99'	6" CURB ONLY
L182	N01°48'21"E		44.10'	6" CURB ONLY
L183	N81°25'18"W		16.10'	6" CURB ONLY
L184	N82°23'44"W		20.00'	6" CURB ONLY
L185	S82°23'44"E		15.75'	6" CURB ONLY
L188	N82°23'44"W		20.00'	6" CURB ONLY
L192	S82°49'23"E		16.00'	6" CURB ONLY
L194	S01°48'21"W		44.10'	6" CURB ONLY
L196	N88°50'14"E		31.18'	6" CURB ONLY
L197	S87°44'45"W		13.14'	6" CURB ONLY
L198	N12°11'02"W		14.54'	6" CURB ONLY
L200	S79°53'31"W		14.90'	6" CURB ONLY
L202	N80°12'40"E		14.90'	6" CURB ONLY
L204	S87°44'45"W		13.43'	6" CURB ONLY
L206	N88°50'14"E		31.18'	6" CURB ONLY
L208	S87°44'45"W		13.75'	6" CURB ONLY
L209	N80°02'05"E		12.16'	6" CURB ONLY
L211	S79°35'55"W		12.16'	6" CURB ONLY
L212	N80°03'24"E		14.12'	6" CURB ONLY
L214	S79°48'11"W		14.11'	6" CURB ONLY
L215	N12°11'02"W		17.69'	6" CURB ONLY
L216	N84°13'35"E		13.30'	6" CURB ONLY
L218	S85°50'29"W		29.26'	6" CURB ONLY
L219	N82°06'37"W		14.01'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
L220	S84°03'37"E		14.01'	6" CURB ONLY
L221	S87°27'24"W		14.01'	6" CURB ONLY
L222	S87°27'24"W		13.30'	6" CURB ONLY
L223	N82°44'05"W		14.01'	6" CURB ONLY
L224	S83°22'13"E		14.01'	6" CURB ONLY
L225	S87°27'24"W		12.85'	6" CURB ONLY
L226	N85°50'29"E		29.26'	6" CURB ONLY
L227	S87°26'47"W		12.56'	6" CURB ONLY
L228	S82°51'11"E		11.91'	6" CURB ONLY
L230	N82°09'40"W		11.96'	6" CURB ONLY
L231	S82°58'56"E		12.69'	6" CURB ONLY
L233	N82°27'13"W		12.69'	6" CURB ONLY
L234	N72°23'45"W		20.00'	6" CURB ONLY
L235	N72°23'45"W		20.00'	6" CURB ONLY
L236	S83°23'25"W		25.38'	6" CURB ONLY
L238	N82°32'55"E		15.36'	6" CURB ONLY
L240	S75°40'51"W		16.11'	6" CURB ONLY
L245	S77°50'45"W		20.00'	6" CURB ONLY
L250	S75°41'53"W		16.02'	6" CURB ONLY
L251	N76°21'15"E		16.00'	6" CURB ONLY
L255	S77°50'45"W		20.01'	6" CURB ONLY
L259	N76°32'40"E		16.00'	6" CURB ONLY
L261	N84°07'49"E		11.91'	6" CURB ONLY
L263	S83°28'54"W		11.91'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
L265	S84°09'30"W		13.99'	6" CURB ONLY
L266	N78°13'58"W		13.99'	6" CURB ONLY
L267	S77°13'57"E		13.99'	6" CURB ONLY
L268	N14°20'20"E		41.13'	6" CURB ONLY
L269	N84°24'38"W		14.01'	6" CURB ONLY
L270	S87°26'15"E		14.01'	6" CURB ONLY
L271	S84°13'55"W		15.36'	6" CURB ONLY
L272	N83°23'25"E		25.38'	6" CURB ONLY
L273	S87°26'15"E		13.31'	6" CURB ONLY
L275	N85°55'26"W		29.37'	6" CURB ONLY
L276	N84°24'38"W		13.31'	6" CURB ONLY
L277	N14°20'20"E		41.13'	6" CURB ONLY
L278	N84°24'38"W		12.89'	6" CURB ONLY
L279	S85°55'26"E		29.37'	6" CURB ONLY
L280	S85°55'26"E		0.00'	6" CURB ONLY
L281	N84°24'38"W		12.47'	6" CURB ONLY
L282	S77°54'06"E		11.99'	6" CURB ONLY
L284	N77°26'53"W		11.99'	6" CURB ONLY
L285	N78°07'22"W		13.44'	6" CURB ONLY
L286	N77°59'41"W		13.45'	6" CURB ONLY
L287	N85°09'29"W		13.56'	6" CURB ONLY
L288	N86°12'28"W		32.63'	6" CURB ONLY
L289	N04°54'07"W		108.00'	6" CURB ONLY
L290	S85°05'53"W		13.50'	6" CURB ONLY

CURB ONLY

#	Bearing/Delta	Radius	Length	Description
L293	N04°54'07"W		86.03'	6" CURB ONLY
L295	S86°19'09"W		13.43'	6" CURB ONLY
L297	N86°49'09"E		13.43'	6" CURB ONLY
L299	N87°10'44"W		13.99'	6" CURB ONLY
L303	S87°15'21"E		13.56'	6" CURB ONLY
L305	N04°54'07"W		114.61'	6" CURB ONLY
L306	S85°05'53"W		13.50'	6" CURB ONLY
L308	N85°05'53"E		13.50'	6" CURB ONLY
L309	N04°54'07"W		75.33'	6" CURB ONLY
L311	S86°48'27"W		13.44'	6" CURB ONLY
L313	N87°16'42"E		13.44'	6" CURB ONLY
L315	N87°13'37"W		14.12'	6" CURB ONLY
L317	S86°12'25"E		32.69'	6" CURB ONLY
L319	N87°12'40"W		14.57'	6" CURB ONLY
L320	N86°50'52"E		11.96'	6" CURB ONLY
L322	S87°18'07"W		11.99'	6" CURB ONLY
L323	N86°37'36"E		11.95'	6" CURB ONLY
L325	S87°06'29"W		11.99'	6" CURB ONLY
L326	N85°05'53"E		12.00'	6" CURB ONLY
L328	S85°05'53"W		12.00'	6" CURB ONLY
L329	N85°05'53"E		12.00'	6" CURB ONLY
L331	S85°05'53"W		12.00'	6" CURB ONLY
L332	S04°54'07"E		2.97'	6" CURB ONLY
L333	S85°05'53"W		20.00'	6" CURB ONLY

MEDIAN CURB

#	Bearing/Delta	Radius	Length	Description
C404	054°48'31"	157.00'	150.18'	6" MEDIAN CURB
C406	032°09'51"	243.00'	136.41'	6" MEDIAN CURB
C408	024°23'33"	507.00'	215.85'	6" MEDIAN CURB
C410	000°58'19"	1207.00'	20.47'	6" MEDIAN CURB
C411	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C412	000°58'19"	1193.00'	20.24'	6" MEDIAN CURB
C414	024°23'33"	493.00'	209.89'	6" MEDIAN CURB
C416	032°09'51"	257.00'	144.27'	6" MEDIAN CURB
C418	054°48'31"	143.00'	136.79'	6" MEDIAN CURB
C420	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C422	009°01'27"	1207.00'	190.11'	6" MEDIAN CURB
C423	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C424	009°01'27"	1193.00'	187.90'	6" MEDIAN CURB
C426	004°58'34"	707.00'	61.40'	6" MEDIAN CURB
C427	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C428	004°58'34"	693.00'	60.19'	6" MEDIAN CURB
C430	020°41'13"	143.00'	51.63'	6" MEDIAN CURB
C432	018°42'49"	707.00'	230.92'	6" MEDIAN CURB
C433	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C434	018°42'49"	693.00'	226.34'	6" MEDIAN CURB
C436	020°41'13"	157.00'	56.69'	6" MEDIAN CURB
C437	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C440	008°51'32"	807.00'	124.78'	6" MEDIAN CURB
C441	180°00'00"	7.00'	21.99'	6" MEDIAN CURB

MEDIAN CURB

#	Bearing/Delta	Radius	Length	Description
C444	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C445	000°38'18"	793.00'	8.84'	6" MEDIAN CURB
C447	000°39'02"	807.00'	9.16'	6" MEDIAN CURB
C448	010°26'36"	551.50'	100.52'	6" MEDIAN CURB
C450	010°38'29"	792.50'	147.19'	6" MEDIAN CURB
C451	180°00'00"	1.50'	4.71'	6" MEDIAN CURB
C452	004°41'16"	795.50'	65.09'	6" MEDIAN CURB
C453	008°04'48"	299.50'	42.24'	6" MEDIAN CURB
C454	025°30'44"	300.50'	133.80'	6" MEDIAN CURB
C455	011°28'44"	299.50'	60.00'	6" MEDIAN CURB
C456	010°26'36"	548.50'	99.98'	6" MEDIAN CURB
C457	180°00'00"	1.50'	4.71'	6" MEDIAN CURB
C458	017°06'24"	757.00'	226.02'	6" MEDIAN CURB
C459	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C460	017°06'24"	743.00'	221.84'	6" MEDIAN CURB
C461	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C462	007°24'15"	757.00'	97.82'	6" MEDIAN CURB
C463	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C464	007°24'15"	743.00'	96.02'	6" MEDIAN CURB
C466	008°32'57"	1207.00'	180.10'	6" MEDIAN CURB
C467	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C468	008°32'57"	1193.00'	178.01'	6" MEDIAN CURB
C470	051°19'04"	28.00'	25.08'	6" MEDIAN CURB
C472	006°41'54"	1193.00'	139.47'	6" MEDIAN CURB

MEDIAN CURB

#	Bearing/Delta	Radius	Length	Description
C474	006°41'54"	1207.00'	141.11'	6" MEDIAN CURB
C476	051°19'04"	28.00'	25.08'	6" MEDIAN CURB
C477	282°38'08"	28.00'	138.12'	6" MEDIAN CURB
C478	056°58'17"	407.00'	404.69'	6" MEDIAN CURB
C479	019°57'28"	393.00'	136.89'	6" MEDIAN CURB
C480	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
C481	019°57'28"	407.00'	141.77'	6" MEDIAN CURB
C482	056°58'17"	393.00'	390.77'	6" MEDIAN CURB
C483	180°00'00"	7.00'	21.99'	6" MEDIAN CURB
L335	S05°57'57"E		135.67'	6" MEDIAN CURB
L336	S26°11'55"W		74.33'	6" MEDIAN CURB
L337	S01°48'21"W		44.10'	6" MEDIAN CURB
L338	N01°48'21"E		44.10'	6" MEDIAN CURB
L339	N26°11'55"E		74.33'	6" MEDIAN CURB
L340	N05°57'57"W		135.67'	6" MEDIAN CURB
L341	N48°50'34"E		2.32'	6" MEDIAN CURB
L342	S48°50'34"W		2.32'	6" MEDIAN CURB
L343	S12°11'02"E		34.28'	6" MEDIAN CURB
L344	N12°11'02"W		34.28'	6" MEDIAN CURB
L345	N17°36'15"E		45.56'	6" MEDIAN CURB
L346	S17°36'15"W		45.56'	6" MEDIAN CURB
L347	N06°52'11"W		14.00'	6" MEDIAN CURB
L348	N06°52'11"W		14.00'	6" MEDIAN CURB
L349	N80°54'26"W		151.32'	6" MEDIAN CURB

MEDIAN CURB

#	Bearing/Delta	Radius	Length	Description
L351	N14°20'20"E		41.13'	6" MEDIAN CURB
L352	N04°54'07"W		202.73'	6" MEDIAN CURB
L353	S04°54'07"E		202.73'	6" MEDIAN CURB
L354	S74°07'00"E		134.76'	6" MEDIAN CURB
L356	N48°54'44"E		56.99'	6" MEDIAN CURB
L358	N68°52'11"E		82.78'	6" MEDIAN CURB
L360	S68°52'11"W		82.78'	6" MEDIAN CURB
L362	S48°54'44"W		56.99'	6" MEDIAN CURB
L364	N74°07'00"W		134.76'	6" MEDIAN CURB

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

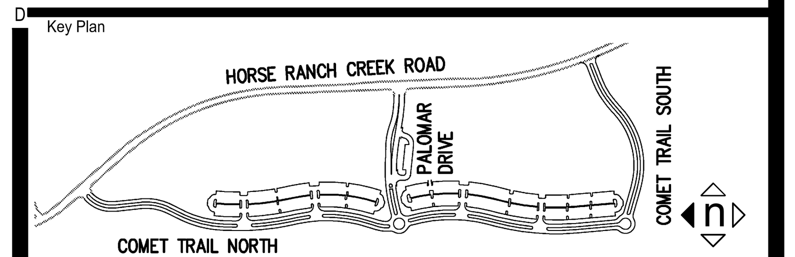
KEYNOTES

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDGPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant
Planning ▲ Engineering ▲ Surveying Solved.
MASSON & ASSOCIATES, INC.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal
REGISTERED PROFESSIONAL ENGINEER
ROBERT D'AMARO
No. C081699
Exp. 03/31/18
CIVIL
STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1 .
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
DATA TABLES

Architect's Seal
LICENSED ARCHITECT
BRADLEY E GLASSICK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249	
Drawn: DAM	Scale: AS NOTED	
QAQC RD	Drawing No. C3.6	
Date: 10/06/2017		

WATER TABLE

Ⓛ	Bearing/Delta	Radius	Length	Description
C1	S15° 46' 34"W	116.00	88.04	8" PVC C900 FW
C2	S10° 06' 59"W	284.00	159.43	8" PVC C900 FW
C3	S19° 44' 02"W	466.00	105.15	8" PVC C900 FW
C4	S05° 09' 17"W	317.00	37.06	CL 6" DW & 8" FW PER DETAIL
C5	S05° 11' 20"E	1017.00	248.32	CL 6" DW & 8" FW PER DETAIL
C6	S02° 34' 45"W	883.00	455.03	CL 6" DW & 8" FW PER DETAIL
C7	S01° 23' 14"E	933.00	512.17	CL 6" DW & 8" FW PER DETAIL
C8	S04° 43' 07"W	1017.00	341.53	CL 6" DW & 8" FW PER DETAIL
C9	N77° 23' 52"E	355.00	352.99	8" PVC C900 FW
C10	N58° 53' 27"E	445.00	155.01	8" PVC C900 FW
C11	S89° 00' 46"E	834.00	104.05	CL 6" DW & 8" FW PER DETAIL
C12	S88° 44' 20"E	290.00	33.41	CL 6" DW & 8" FW PER DETAIL
C13	S80° 44' 02"E	335.25	132.30	CL 6" DW & 8" FW PER DETAIL
C14	S81° 36' 23"E	264.75	112.55	CL 6" DW & 8" FW PER DETAIL
L1	S41° 09' 26"E		22.42	12" CML&C PUBLIC WATER
L2	N09° 05' 34"E		83.50	CL 6" DW & 8" FW PER DETAIL
L3	S34° 13' 54"W		10.00	8" PVC C900 FW
L4	S05° 57' 57"E		135.67	8" PVC C900 FW
L5	S26° 11' 55"W		74.33	8" PVC C900 FW
L6	S82° 23' 44"E		107.11	8" PVC C900 FW
L7	S36° 25' 18"E		57.06	8" PVC C900 FW
L8	S01° 48' 21"W		44.10	CL 6" DW & 8" FW PER DETAIL
L9	S12° 11' 02"E		34.28	CL 6" DW & 8" FW PER DETAIL
L10	S02° 35' 13"E		82.08	CL 6" DW & 8" FW PER DETAIL
L11	S14° 20' 20"W		41.13	CL 6" DW & 8" FW PER DETAIL
L12	S04° 54' 07"E		97.74	CL 6" DW & 8" FW PER DETAIL
L13	S04° 54' 07"E		170.03	8" PVC C900 FW
L14	S74° 07' 00"E		11.10	8" PVC C900 FW
L15	N48° 54' 44"E		56.99	8" PVC C900 FW
L16	N68° 52' 11"E		52.87	8" PVC C900 FW
L17	N74° 36' 32"E		10.00	8" PVC C900 FW
L18	N87° 24' 47"E		47.49	CL 6" DW & 8" FW PER DETAIL
L19	N74° 34' 07"E		10.24	CL 6" DW & 8" FW PER DETAIL

CENTER LINE TABLE

Ⓒ	Bearing/Delta	Radius	Length
C1	S21° 26' 19"W	150.00	143.49
C2	S10° 06' 59"W	250.00	140.34
C3	S14° 00' 08"W	500.00	212.87
C4	S05° 11' 20"E	1200.00	293.00
C5	S02° 42' 37"W	700.00	363.93
C6	S01° 14' 39"E	150.00	98.69
C7	S02° 52' 36"E	750.00	450.70
C8	S04° 43' 07"W	1200.00	402.98
C9	N87° 17' 59"E	800.00	411.58
C10	S84° 39' 22"E	550.00	128.52
C11	N77° 23' 52"E	400.00	397.73
C12	N58° 53' 27"E	400.00	139.33
L1	S48° 50' 34"W		70.87
L2	S05° 57' 57"E		135.67
L3	S26° 11' 55"W		74.33
L4	S01° 48' 21"W		44.10
L5	S12° 11' 02"E		34.28
L6	S17° 36' 15"W		45.56
L7	S20° 05' 32"E		10.73
L8	S14° 20' 20"W		41.13
L9	S04° 54' 07"E		246.44
L10	N72° 33' 40"E		31.39
L11	S77° 57' 43"E		82.06
L12	N88° 38' 58"E		67.56
L13	S74° 07' 00"E		189.76
L14	N48° 54' 44"E		56.99
L15	N68° 52' 11"E		150.08

INTERIM VILLAGE SEWER TABLE

Ⓒ	Bearing/Delta	Radius	Length	Description
C80	029° 23' 26"	895.00'	459.10'	6" PVC C900
L80	S12° 11' 02"E		34.28'	6" PVC C900
L81	N90° 00' 00"E		229.19'	6" PVC C900
L82	S00° 00' 00"E		138.50'	6" PVC C900
L83	N90° 00' 00"E		3.29'	6" PVC C900
L84	N90° 00' 00"W		17.71'	6" PVC C900
L85	N90° 00' 00"E		3.29'	6" PVC C900
L86	N90° 00' 00"E		3.29'	6" PVC C900
L87	N00° 00' 00"W		53.17'	6" PVC C900
L88	N00° 00' 00"E		31.17'	6" PVC C900
L89	N00° 00' 00"E		31.17'	6" PVC C900
L90	N45° 00' 00"E		23.33'	6" PVC C900

INTERIM VILLAGE WATER TABLE

Ⓛ	Bearing/Delta	Radius	Length	Description
L51	S83° 13' 37"E		5.50'	6" PVC C900 DW
L53	N90° 00' 00"E		199.57'	6" PVC C900 DW
L54	N00° 00' 00"E		25.50'	6" PVC C900 DW
L55	N00° 00' 00"E		64.17'	6" PVC C900 DW
L56	N00° 00' 00"E		42.17'	6" PVC C900 DW
L58	N00° 00' 00"W		42.17'	6" PVC C900 DW
L59	N00° 00' 00"E		170.41'	6" PVC C900 DW
L61	N90° 00' 00"E		47.29'	6" PVC C900 DW
L62	N90° 00' 00"E		31.38'	6" PVC C900 DW
L63	S90° 00' 00"E		80.63'	6" PVC C900 DW
L64	S00° 00' 00"E		24.91'	6" PVC C900 DW
L66	N90° 00' 00"E		195.72'	6" PVC C900 DW
L69	N85° 50' 29"E		5.56'	6" PVC C900 DW
L75	N00° 00' 00"E		51.21'	6" PVC C900 DW

INTERIM VILLAGE 8" FIRE TABLE

Ⓛ	Bearing/Delta	Radius	Length	Description
L50	S83° 13' 37"E		7.38'	8" PVC C900 FW
L52	N90° 00' 00"E		197.45'	8" PVC C900 FW
L57	N00° 00' 00"E		29.26'	8" PVC C900 FW
L60	N00° 00' 00"E		166.41'	8" PVC C900 FW
L65	N00° 08' 57"E		16.00'	8" PVC C900 FW
L67	N90° 00' 00"E		193.64'	8" PVC C900 FW
L68	N00° 00' 00"E		14.52'	8" PVC C900 FW
L70	N85° 50' 29"E		7.49'	8" PVC C900 FW
L71	N00° 00' 00"E		147.49'	8" PVC C900 FW
L72	N90° 00' 00"E		10.72'	8" PVC C900 FW
L73	N90° 00' 00"E		10.72'	8" PVC C900 FW
L74	N90° 00' 00"E		10.72'	8" PVC C900 FW

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

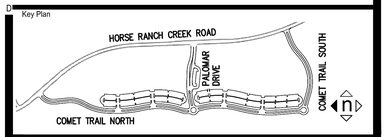
KEYNOTES

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. ADAMO No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

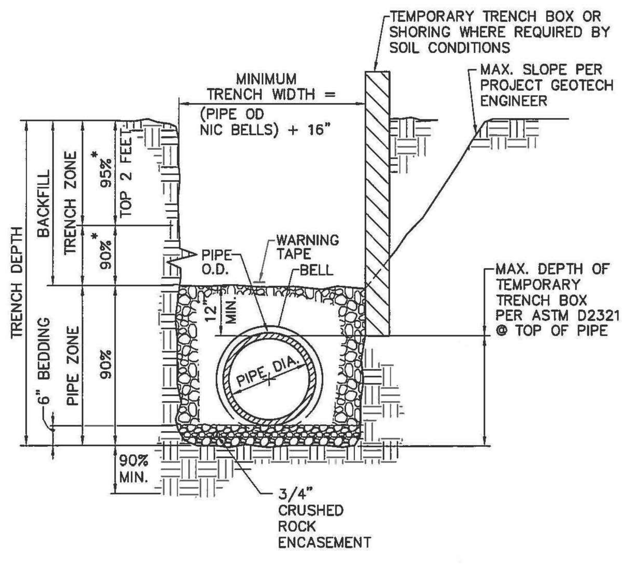
Drawing Title:

DATA TABLES

Architect's Seal

REGISTERED ARCHITECT BRENDA E GLASTETTER NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C3.7
Date: 10/06/2017	



NOTES:

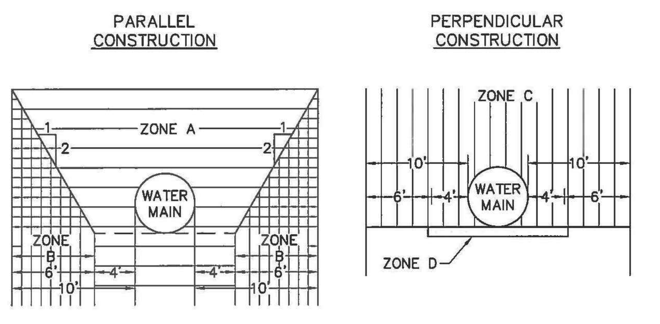
1. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE W/ ASTM D2321 (STD PRACTICE FOR UG INSTALLATION OF PIPE FOR SEWERS & OTHER GRAVITY-FLOW APPLICATIONS.)
2. FOR TRENCHING IN IMPROVED STREETS, RESTORE PAVEMENT TO THE JURISDICTIONAL AGENCY'S STANDARDS.
3. (*) INDICATES MINIMUM RELATIVE COMPACTION. RELATIVE COMPACTION UNDER STREETS SHALL BE IN ACCORDANCE WITH LOCAL CITY OR JURISDICTIONAL REQUIREMENTS.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

STANDARD PIPE ZONE AND TRENCH BACKFILL — STANDARD DRAWING NO. S-1 — JANUARY 2016

WATER & SEWER MAINS SHALL BE INSTALLED IN SEPARATE TRENCHES. SEWERS SHALL BE INSTALLED AT LEAST 10-FEET HORIZONTALLY FROM EXISTING OR NEW WATER MAINS.



NOTES: DIMENSIONS ARE FROM OUTSIDE OF WATER MAIN TO OUTSIDE OF SEWER

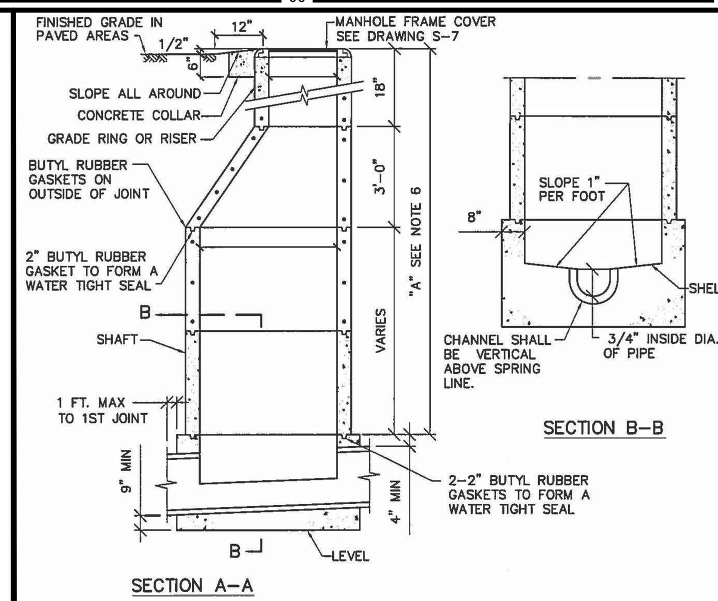
SANITARY SEWERS ARE NOT PERMITTED WITHIN ANY OF THE ABOVE INDICATED ZONES UNLESS CONSTRUCTED IN CONFORMANCE WITH THE SPECIAL REQUIREMENTS AS SHOWN BELOW.

ZONE	SPECIAL SEWER CONSTRUCTION REQUIREMENTS
A	SEWER LINES WILL NOT BE PERMITTED IN THIS ZONE WITHOUT SPECIAL WRITTEN PERMISSION FROM THE DEPARTMENT OF HEALTH.
B	RUBBER GASKETED PLASTIC PIPE.
C OR D	CONCRETE ENCASED SEWER PIPE; OR ANY SEWER PIPE WITHIN A CONTINUOUS STEEL CASING, WHICH CASING SHALL HAVE A THICKNESS OF NOT LESS THAN ONE-FOURTH INCH AND WITH ALL VOIDS BETWEEN SEWER PIPE AND CASING PRESSURE GROUTED WITH SAND CEMENT GROUT.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

PIPELINE SEPARATION REQUIREMENTS — STANDARD DRAWING NO. S-3 — JANUARY 2016



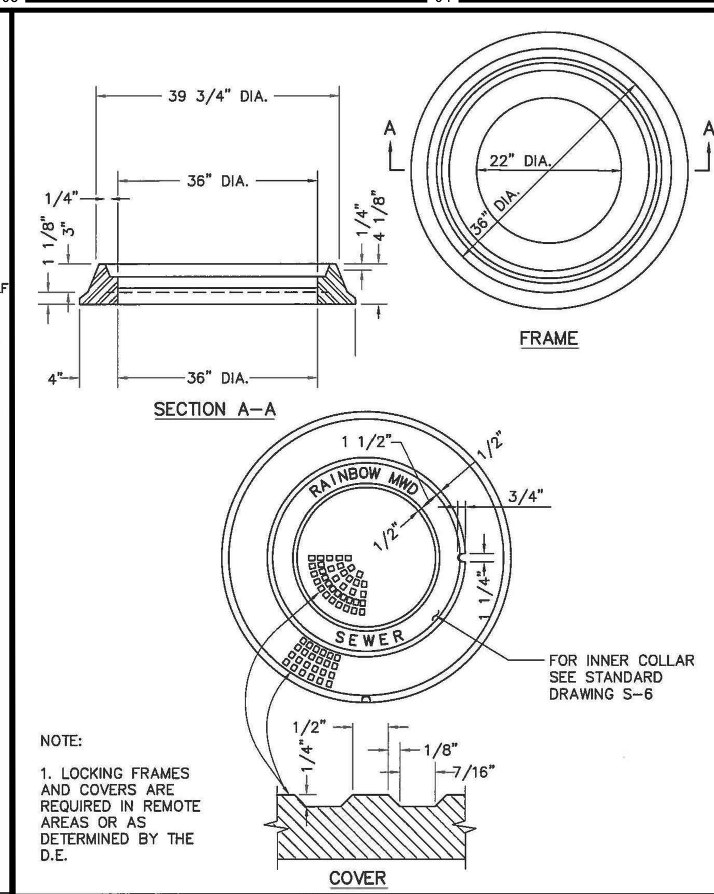
NOTES:

1. MANHOLE FRAME SHALL BE SET IN CLASS "C" MORTAR.
2. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
3. VERTICAL WALL OF CONE SHALL BE ON THE UPSTREAM SIDE OF THE MANHOLE.
4. CONCRETE BASE SHALL BE 560-C-3250.
5. "SAND COLLAR" MH ADAPTORS SHALL BE PROVIDED FOR ALL MH CONNECTIONS.
6. PRECAST SECTIONS SHALL BE USED WITHIN DIMENSION "A" AS REQUIRED, IN ORDER OF PREFERENCE LISTED:
   A. CONE (NOTCHED FOR PIPE IF DIMENSION "A" IS LESS THEN 3').
   B. 6" TO 18" OF 3' DIAMETER GRADE RINGS/AND/OR RISERS.
   C. 5' DIAMETER SHAFT VARIABLE HEIGHT.
7. ALL PATCHING WITHIN MANHOLE BASE SHALL BE EPOXY MORTAR.
8. PRIOR APPROVAL OF PRECAST BASE IS REQUIRED BY THE DISTRICT ENGINEER.
9. MAXIMUM ALLOWABLE CHANGE OF DIRECTION AT MH = 45°.
10. PROVIDE SPECIFIC DETAIL FOR REVIEW AND APPROVAL BY DISTRICT ENGINEER FOR MH'S W/ MORE THAN ONE INLET OR OUTLET, 18" OR LARGER.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

STANDARD PRECAST CONCRETE MANHOLE (5' DIA.) — STANDARD DRAWING NO. S-5 — JANUARY 2016



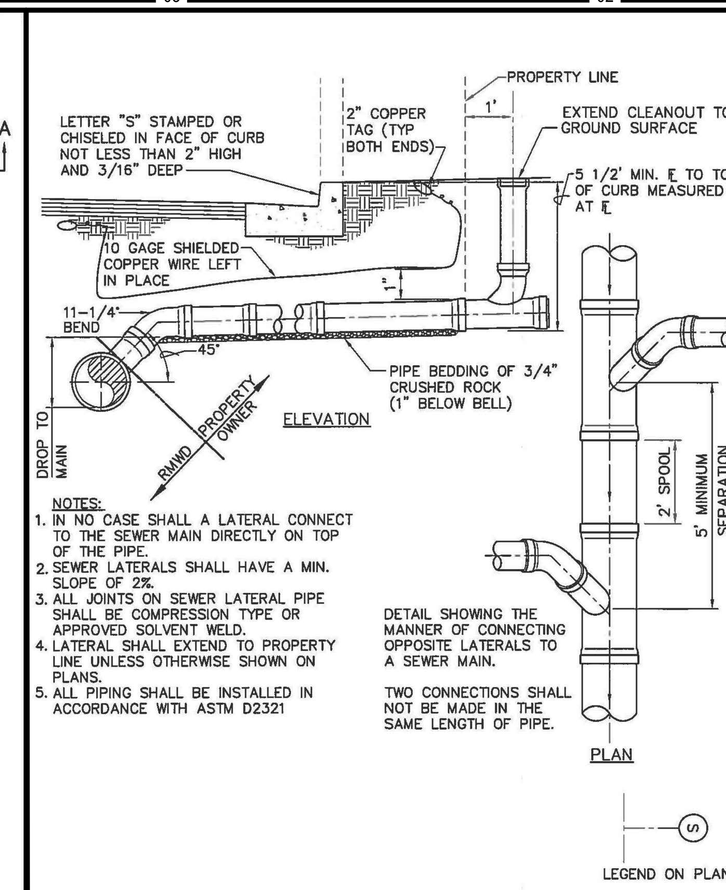
NOTE:

1. LOCKING FRAMES AND COVERS ARE REQUIRED IN REMOTE AREAS OR AS DETERMINED BY THE D.E.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

36" MANHOLE FRAME AND TWO CONCENTRIC COVERS — STANDARD DRAWING NO. S-7 — JANUARY 2016



NOTES:

1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MIN. SLOPE OF 2%.
3. ALL JOINTS ON SEWER LATERAL PIPE SHALL BE COMPRESSION TYPE OR APPROVED SOLVENT WELD.
4. LATERAL SHALL EXTEND TO PROPERTY LINE UNLESS OTHERWISE SHOWN ON PLANS.
5. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321

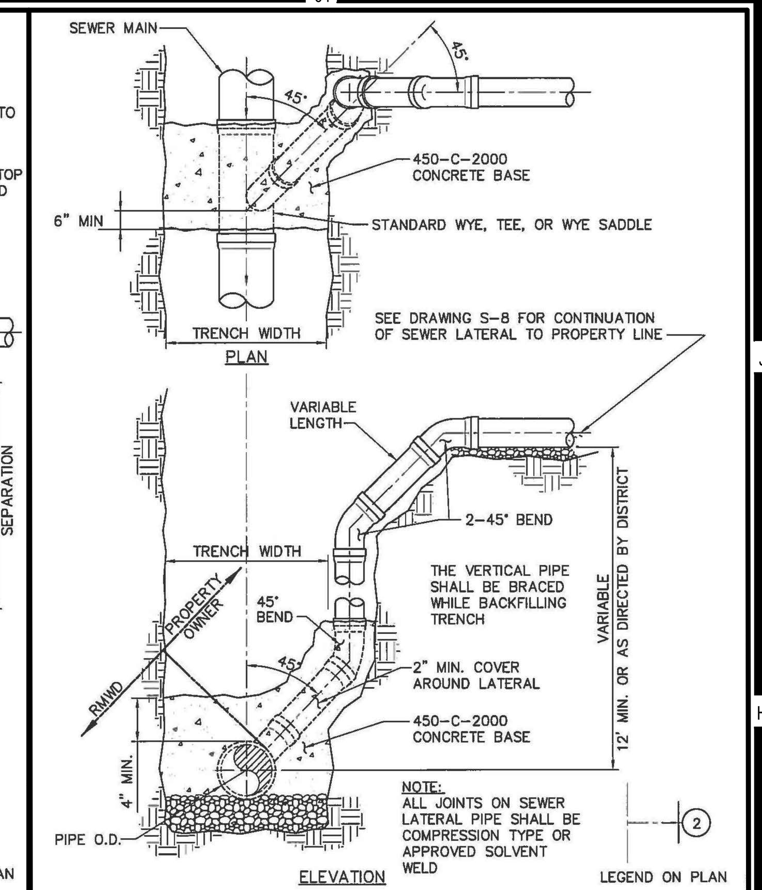
DETAIL SHOWING THE MANNER OF CONNECTING OPPOSITE LATERALS TO A SEWER MAIN.

TWO CONNECTIONS SHALL NOT BE MADE IN THE SAME LENGTH OF PIPE.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

NEW INSTALLATION PVC SEWER LATERAL — STANDARD DRAWING NO. S-8 — JANUARY 2016



NOTE: ALL JOINTS ON SEWER LATERAL PIPE SHALL BE COMPRESSION TYPE OR APPROVED SOLVENT WELD

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

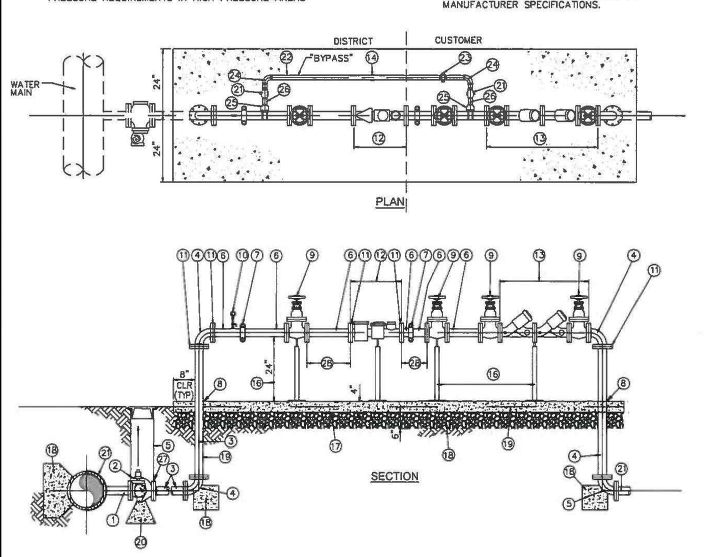
DEEP CUT SEWER LATERAL — STANDARD DRAWING NO. S-9 — JANUARY 2016

MATERIAL LIST

1. 6" FLANGED OUTLET PER AWWA AND DISTRICT STANDARDS
2. 6" FLANGED GATE VALVE, (OR FLANGED PLUG VALVE, WHERE PRESSURE IS GREATER THAN 250 PSI)
3. DI PIPE T.2E.
4. 90° DI PIPE ELBOW, FLANGED.
5. VALVE BOX INSTALLATION PER DISTRICT STD. DWG NO. W-19
6. FLANGE X GROVE END SPOOL.
7. COUPLING, 150-LB, GALVANIZED.
8. WRAP WITH FOAM TAPE FOR CONCRETE PENETRATION
9. FLANGED GATE VALVE (OR FLANGED PLUG VALVE, WHERE PRESSURE IS GREATER THAN 250 PSI), WITH HANDWHEEL OPERATOR
10. PRESSURE GAUGE INSTALLATION PER D.E.
11. COMPANION FLANGE, FLANGED, 150-LB
12. WATER METER SUPPLIED BY DISTRICT
13. DISTRICT APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE AS REQUIRED BY THE DISTRICT
14. ADJUSTABLE STAINLESS STEEL PIPE SUPPORT PIPING.
15. CONCRETE SLAB, CLASS 520-A-2500.
16. BACKFILL WITH AGGREGATE BASE, (95% RELATIVE COMPACTION).
17. STEEL REBAR, 12" O.C. EACH WAY GRADE 60 #4, AT MID-DEPTH
18. THRUST BLOCK, PER RMWD SEC. 03300
19. WRAP PER DISTRCIT STANDARDS
20. VALVE SUPPORT BLOCK PER STD DWG W-4
21. BRASS SERVICE STOP, INSTALLED FOR RIGHT HAND OPERATION PER RMWD SPEC. 15057 2.03
22. 2" BRASS PIPE
23. BRASS UNION
24. 90° BRASS ELBOW
25. FORGE STEEL HALF-COUPLING, THREADED, CLASS 3000 DOUBLE STRAP, STAINLESS STEEL, TAPING COLLAR
26. BRASS NIPPLE
27. INSTALL 6"X4" DI PIPE REDUCER, FLANGED FOR 4" WATER SERVICE.
28. PROVIDE SUFFICIENT CLEARANCE UPSTREAM AND DOWNSTREAM OF METER ACCORDING TO MANUFACTURER SPECIFICATIONS.

NOTES:

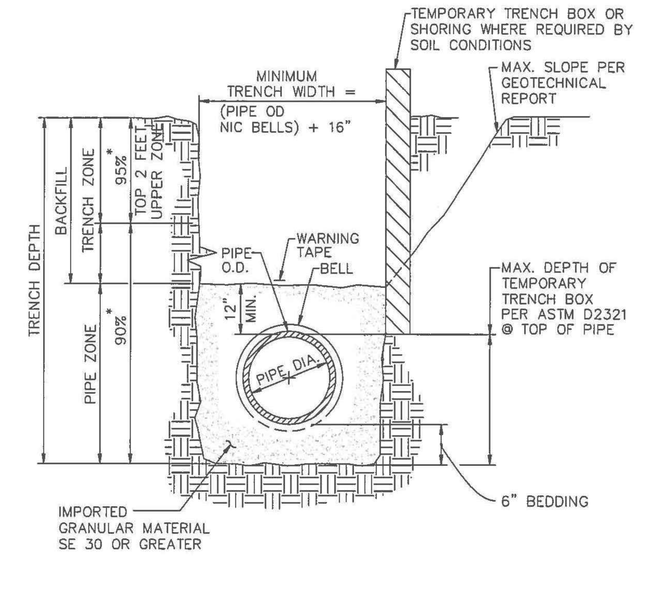
1. CUSTOMER RESPONSIBLE FOR SUPPLYING PRESSURE REDUCING VALVE (PRV) WHEN PRESSURE EXCEEDS 175 PSI. REFER TO THE UNIFORM BUILDING CODE AND A PRIVATE ENGINEER REGARDING INSTALLATION OF A PRV AFTER THE METER.
2. REPLACE 150-LB VALVES AND PIPING WITH COMPONENTS TO MEET PRESSURE REQUIREMENTS IN HIGH PRESSURE AREAS



RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

4" TO 6" WATER SERVICE — STANDARD DRAWING NO. W-2A — JULY 2016



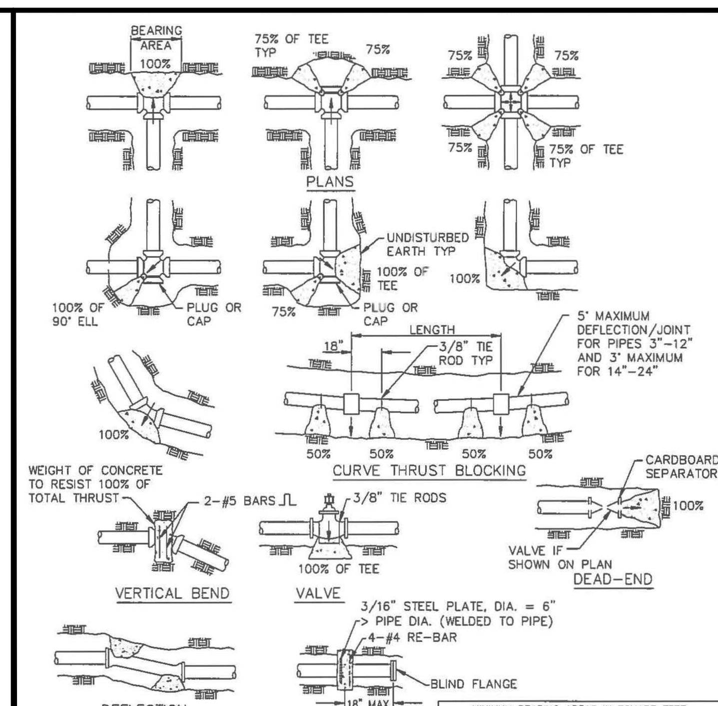
NOTES:

1. REFER TO SECTION 02223 OF THE SPECIFICATIONS
2. PAVING OR PAVEMENT REPAIR TO BE DONE IN ACCORDANCE TO CITY OR COUNTY STANDARDS
3. EXCAVATE BELL HOLES AT EACH PIPE JOINT TO PERMIT PROPER ASSEMBLY AND INSPECTION OF THE ENTIRE JOINT.
4. (*) INDICATES MINIMUM RELATIVE COMPACTION.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

STANDARD PIPE ZONE AND TRENCH BACKFILL — STANDARD DRAWING NO. W-3 — JULY 2016



NOTES:

1. IN USING THE ABOVE TABLES, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (i.e. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT-OFF, ETC.)
2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL. IN THE ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.
3. ARROWS (—) INDICATE THRUST DIRECTION
4. FIGURE (100%) AT THRUST BLOCK INDICATES PER CENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
5. CONC. FOR THRUST BLOCKS TO BE 450-C-2000
6. CONCRETE THRUST BLOCK TO BE POURED AGAINST UNDISTURED EARTH.

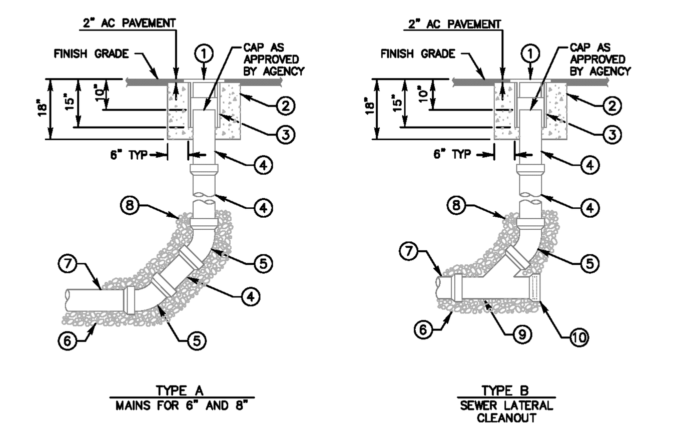
MINIMUM BEARING AREAS IN SQUARE FEET PER 100 PSI OF PRESSURE

PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22-1/2° ELBOW	11-1/4° ELBOW
6	3.7	5.3	2.9	1.5	0.7
8	6.4	9.1	4.9	2.5	1.3
10	9.7	13.7	7.4	3.8	1.9
12	13.7	19.4	10.5	5.3	2.7
14	18.4	26.0	14.1	7.2	3.6
16	23.8	33.6	18.2	9.3	4.7
18	24.9	42.2	22.9	11.7	5.9
20	36.6	51.8	28.0	14.3	7.2
24	52.3	73.9	40.0	20.4	10.2
30	80.4	113.7	61.6	31.4	15.8

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

CONCRETE THRUST BLOCKS — STANDARD DRAWING NO. W-4 — JULY 2016



NOTES:
1) REFER TO AGENCY SPECIFICATIONS WHERE APPLICABLE
2) CLEANOUTS TO BE INSTALLED AT THE END OF MAINS WHERE INDICATED ON THE PLANS
3) CLEANOUT PIPE TO BE SAME SIZE AND MATERIAL AS SEWER MAIN UP TO 8"
4) BACKFILL TO TOP OF 45° BEND WITH 3/4" CRUSHED ROCK
5) MATERIALS SHALL BE SELECTED FROM THE AGENCY'S APPROVED MATERIALS LIST

LEGEND ON PLANS

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
1	12" CI CLEANOUT BOX COVER MARKED 'SEWER' AND AGENCY NAME AS REQUIRED	5	45° ELBOW
2	CONCRETE RING	6	3/4" CRUSHED ROCK PIPE BEDDING
3	12" PVC, C-900 x 15" LONG (CLEANOUT BOX)	7	SEWER MAIN
4	SIZE x REQUIRED LENGTH PVC PIPE	8	3/4" CRUSHED ROCK SEE NOTE 4
		9	STANDARD WYE BRANCH
		10	INSTALL PLUG AND CONCRETE LUG

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Add Metric		T. Stanton	03/03
Replaced S-03		J. Tomasula	03/05
Delete Metric	MR	B. KNOLL	03/11
Reviewed	BK	B. KNOLL	04/15

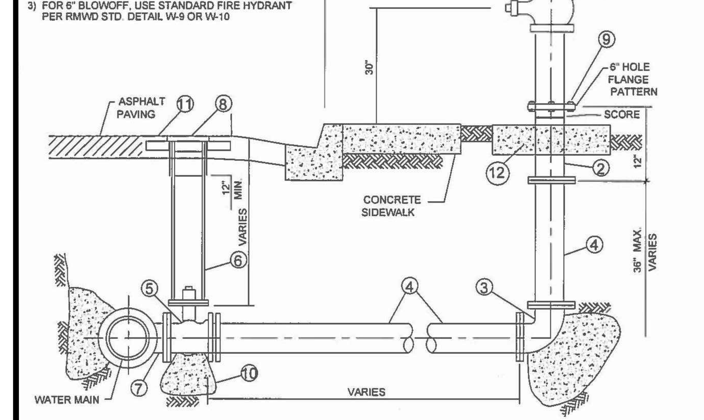
SAN DIEGO REGIONAL STANDARD DRAWING

SEWER CLEANOUT

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE — Chairperson R.C.E. 19246 — Date 12/17/2015

DRAWING NUMBER SC-01

NOTES:
1) BLOWOFF INSTALLED AT STREETS OR ROADS WITHOUT CURBS SHALL BE PROTECTED WITH GUARD POSTS (2) PER RMWD STANDARD DETAIL W-13
2) ROLLED CURB OR AC CURBS SHALL HAVE GUARD POSTS (2). PER RMWD STANDARD DETAIL W-13
3) FOR 6" BLOWOFF, USE STANDARD FIRE HYDRANT PER RMWD STD. DETAIL W-9 OR W-10



Z 2'-6" FROM BACK OF SIDEWALK
2'-6" FROM FACE OF CURB IF NO SIDEWALK EXISTS.

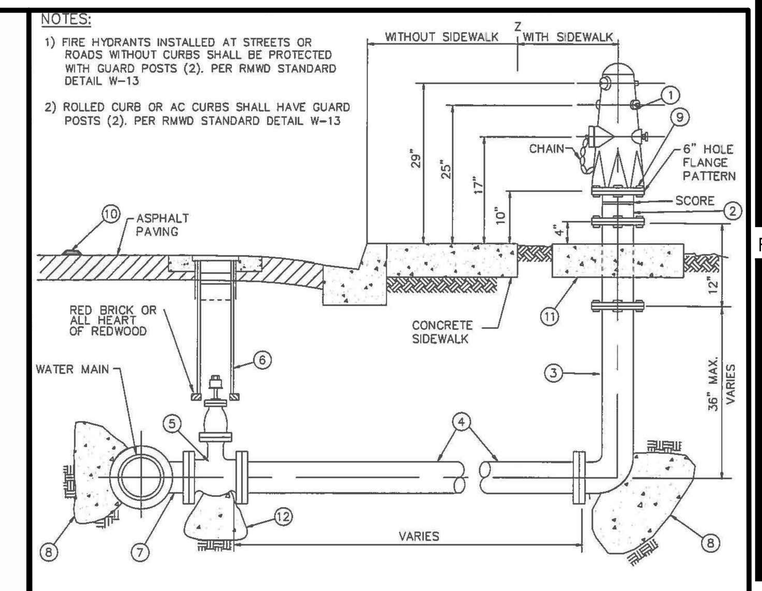
ITEM	NO.	DESCRIPTION	REMARKS
1	1	4" ANGLE FIRE PLUG VALVE	6 BOLTS, ALL BRONZE, SAFETY YELLOW
2	1	BREAK-OFF RISER, 6" FL, STL OR DI	SCORED (NOT MOLDED)
3	1	4" FL x FL BEND	LENGTH AS REQUIRED FL x FL
4	—	4" FL, STL OR DI PIPE	
5	1	4" GATE VALVE FL x MJ OR FLX TYTON	
6	1	CASING, 8" PVC SDR35 OR C900	
7	1	4" FLANGED OUTLET	
8	1	8" CAST IRON VALVE BOX COVER	
9	6	BREAK-OFF BOLTS, THREADS UP FILL W/ SILICON	
10	—	VALVE SUPPORT	PER SDRSD W-12B, TYPE 1
11	—	CONCRETE RING WITH AC CAP	PER RMWD STD. DETAIL W-4
12		4'X4' CONCRETE PAD, 4"THICK, 520-C-2500	

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

4" BLOW-OFF ASSEMBLY (FOR PRESSURE LESS THAN 250 PSI) — STANDARD DRAWING NO. W-7 — JULY 2016

NOTES:
1) FIRE HYDRANTS INSTALLED AT STREETS OR ROADS WITHOUT CURBS SHALL BE PROTECTED WITH GUARD POSTS (2). PER RMWD STANDARD DETAIL W-13
2) ROLLED CURB OR AC CURBS SHALL HAVE GUARD POSTS (2). PER RMWD STANDARD DETAIL W-13



Z 2'-6" FROM BACK OF SIDEWALK.
2'-6" FROM FACE OF CURB IF NO SIDEWALK EXISTS.

DESCRIPTION	BARRELS OUTLETS
COMMERCIAL FIRE HYDRANT	6"x4"x2 1/2"x2 1/2"
SINGLE FAMILY RESIDENTIAL	6"x4"x2 1/2"

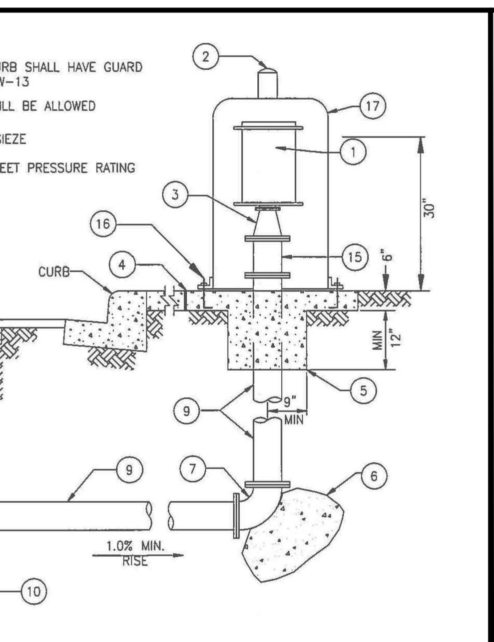
ITEM	NO.	DESCRIPTION	REMARKS
1	1	6" FIRE HYDRANT	6 BOLTS, ALL BRONZE, SAFETY YELLOW
2	1	BREAK-OFF RISER, 6" STEEL OR CAST IRON	SCORED (NOT MOLDED)
3	1	DUCTILE IRON BURY ELL	
4	—	6" DI PIPE	
5	1	6" GATE VALVE FL OR PO	PER STANDARD SPECIFICATION
6	1	VALVE BOX INSTALLATION PER DISTRICT STD. DWG# W-19	SEE STANDARD SPECIFICATION
7	1	6" FLANGED OUTLET	PER STANDARD SPECIFICATION
8	1	THRUST BLOCK	PER RMWD 03300
9	6	BREAK OFF BOLTS, THREADS UP FILL W/SILICON	PER STANDARD SPECIFICATIONS
10	1	REFLECTIVE PAVEMENT MARKER (BLUE)	PER FIRE DISTRICT REQUIREMENTS
11	1	4' x 4' CONCRETE PAD, 4" THICK, 520-C-2500	
12	—	VALVE SUPPORT BLOCK	PER RMWD STD. DETAIL W-4

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

6" FIRE HYDRANT ASSEMBLY (FOR PRESSURE LESS THAN 250 PSI) — STANDARD DRAWING NO. W-9 — JULY 2016

NOTES:
1) ROLLED CURBS AND AC CURB SHALL HAVE GUARD POSTS (2) PER STD DWG W-13
2) NO DIPS OR LOW SPOTS WILL BE ALLOWED IN PIPING INSTALLATION
3) COAT THREADS WITH ANTI-SIEZE
3) AIR VAC ASSEMBLY MUST MEET PRESSURE RATING

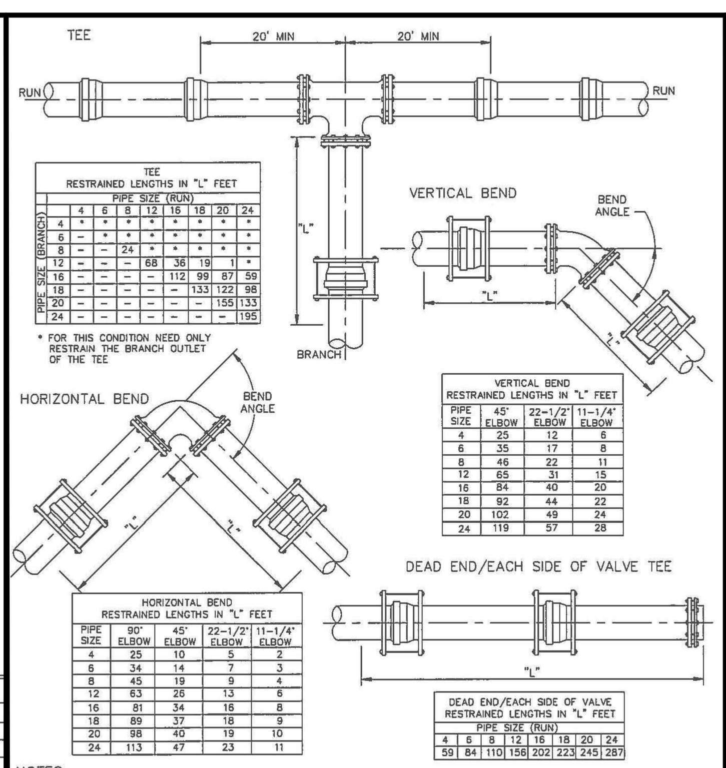


ITEM	SIZE & DESCRIPTION	ITEM	SIZE & DESCRIPTION
1	AUTOMATIC AIR RELEASE AND VACUUM RELIEF VALVE	10	VALVE SUPPORT BLOCK PER RMWD STD DETAIL W-4
		11	STEEL OR DUCTILE IRON WATER MAIN
2	GUARD POSTS PER W-13	12	FLG x FLG TEE
		13	FLG DIP 90° BEND
3	6" x 4" FLG REDUCER IF NEEDED	14	VALVE BOX INSTALLATION PER DISTRICT STD. DWG NO. W-19
4	1/2" EXPANSION JOINT		
5	3 FT SQUARE CONCRETE BASE, 560-C-3250		
6	THRUST BLOCK PER RMWD SEC. 03300	15	DIP FLG X FLG SPOOL
7	DIP FLG x FLG 90° BEND	16	316 SST, BOLTS ON ENCLOSURE RED HEAD
8	FL x FL GATE VALVE	17	HOUSING, 24" X 36" TALL, FACE LOCK AWAY FROM CURB
9	DUCTILE IRON PIPE WRAPPED W/ PE		

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

4" AND 6" AUTOMATIC AIR RELEASE AND VACUUM RELIEF VALVE — STANDARD DRAWING NO. W-12 — JULY 2016



TEE RESTRAINED LENGTHS IN "L" FEET

PIPE SIZE (BRANCH)	4	6	8	12	16	18	20	24
4	-	*	*	*	*	*	*	*
6	-	-	*	*	*	*	*	*
8	-	-	24	*	*	*	*	*
12	-	-	-	68	36	19	1	*
16	-	-	-	-	112	99	87	59
18	-	-	-	-	-	133	122	98
20	-	-	-	-	-	-	155	133
24	-	-	-	-	-	-	-	195

(Column headings: PIPE SIZE (RUN))

* FOR THIS CONDITION NEED ONLY RESTRAIN THE BRANCH OUTLET OF THE TEE

VERTICAL BEND RESTRAINED LENGTHS IN "L" FEET

PIPE SIZE	45° ELBOW	22-1/2° ELBOW	11-1/4° ELBOW
4	25	12	6
6	35	17	8
8	46	22	11
12	65	31	15
16	84	40	20
18	92	44	22
20	102	49	24
24	119	57	28

HORIZONTAL BEND RESTRAINED LENGTHS IN "L" FEET

PIPE SIZE	90° ELBOW	45° ELBOW	22-1/2° ELBOW	11-1/4° ELBOW
4	25	10	5	2
6	34	14	7	3
8	45	19	9	4
12	63	26	13	6
16	81	34	16	8
18	89	37	18	9
20	98	40	19	10
24	113	47	23	11

DEAD END/EACH SIDE OF VALVE RESTRAINED LENGTHS IN "L" FEET

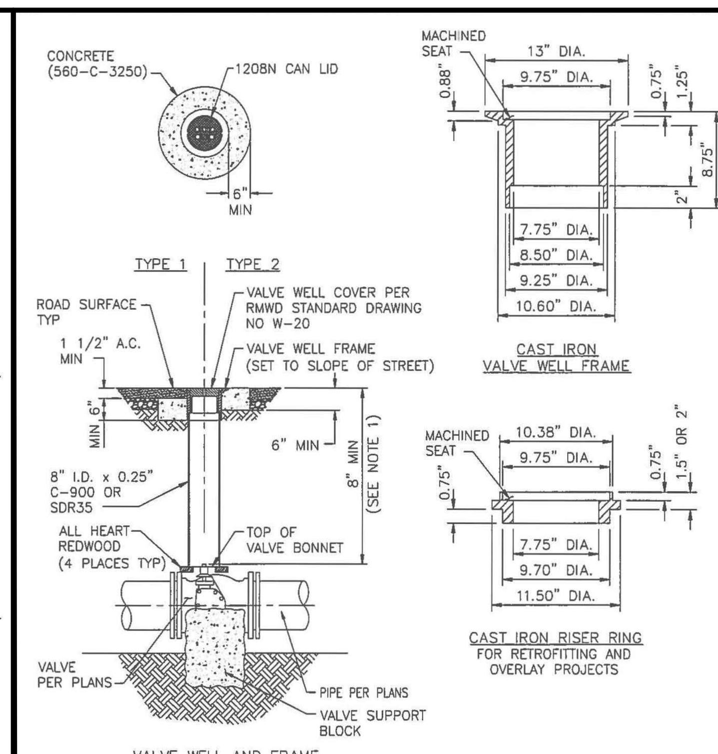
PIPE SIZE (RUN)	4	6	8	12	16	18	20	24
	59	84	110	156	202	223	245	287

NOTES:
1. ALL JOINTS WITHIN LENGTH "L" MUST BE RESTRAINED.
2. FOR TEE RESTRAIN BOTH RUN-SIDE JOINTS AND INSTALL A FULL LENGTH OF PIPE ON EACH SIDE OF BRANCH.
3. FORTY-EIGHT (48) INCHES MINIMUM DEPTH OF COVER.
4. A SAFETY FACTOR OF 1.5.
5. SOIL TYPE ML (INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS) PER UNITED SOIL CLASSIFICATION ASTM D-2487.
   A. NO BEDDING IN GRANULAR MATERIAL.
   B. NO USE OF PHI = 0 PRINCIPAL.
6. PIPE BEDDING PER RMWD STANDARD DRAWINGS.
7. TEST PRESSURE 225 PSI.
8. IF ACTUAL CONDITIONS DIFFER FROM THOSE LISTED ABOVE OR THE REQUIRED RESTRAINED LENGTH CANNOT BE MET, THE RESTRAINED LENGTH SHALL BE DETERMINED BY THE DESIGN ENGINEER AND APPROVED BY THE DISTRICT ENGINEER.

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

STANDARD RESTRAINT, TEE, DEAD END, BEND FOR PVC C-900 & C905 — STANDARD DRAWING NO. W-14 — JULY 2016



NOTES:
1. FOR GATE VALVES, PROVIDE VALVE KEY EXTENSION WHERE THIS DIMENSION EXCEEDS 9 FEET.
2. THE SURFACE OF THE VALVE WELL COVER SHALL MATCH THE STREET CROSS SLOPE AND PROFILE.

RAINBOW MUNICIPAL WATER DISTRICT

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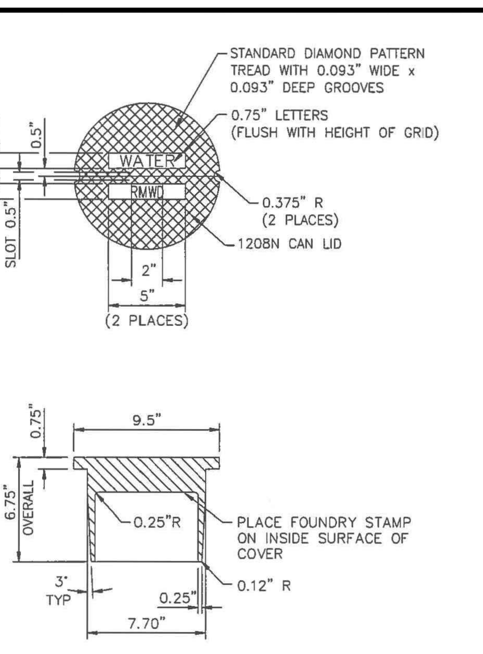
VALVE WELL FRAME — STANDARD DRAWING NO. W-19 — JULY 2016



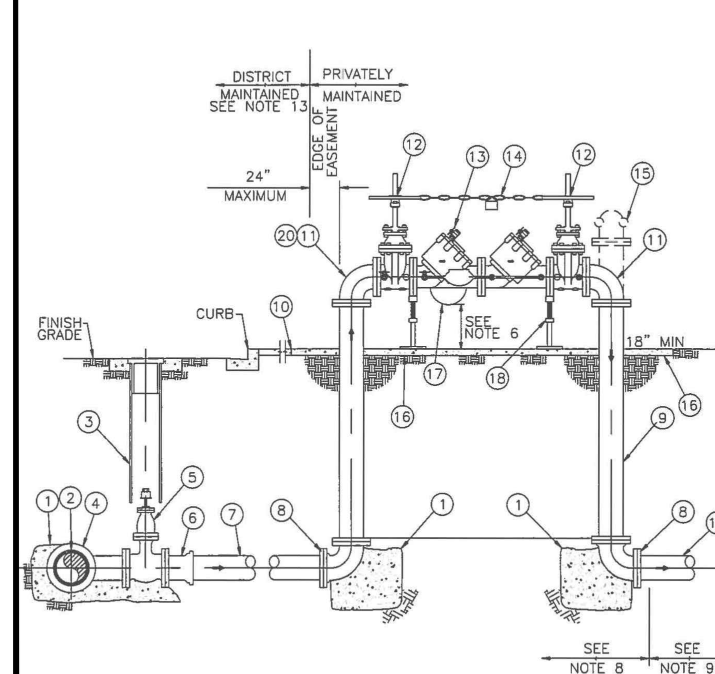
VALVE WELL COVER PAINT CHART

INLINE VALVES	AIR VACS	B.O.s AND HYDRANTS
WHITE	YELLOW	RED

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

VALVE WELL COVER — STANDARD DRAWING NO. W-20 — JULY 2016



FOR NOTES REGARDING THE INSTALLATION AND DESCRIPTION OF FIRE SERVICES SEE W22B

RAINBOW MUNICIPAL WATER DISTRICT

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4" AND LARGER FIRE SERVICE INSTALLATION — STANDARD DRAWING NO. W-22A — JULY 2016

FOR DRAWING OF FIRE SERVICE INSTALLATION SEE W22A

NOTES:
1) REFER TO SECTION 15112 OF THE SPECIFICATIONS
2) INSTALL WARNING/IDENTIFICATION TAPE AS SHOWN ON W-3
3) LOCATION OF FIRE SERVICES SHALL BE AS DIRECTED BY THE FIRE DEPARTMENT OF JURISDICTION. FIRE SERVICES SHOULD BE LOCATED IN SUCH A MANNER THAT WILL ALLOW THE DEVICE TO BE READILY ACCESSIBLE FOR INSPECTION, REPAIR, AND USAGE.
4) TAMPER SWITCH, AUTOMATIC RESET, CHAIN WITH KNOX LOCK, AND FIRE DEPARTMENT CONNECTION ("FDC") SHALL BE AS REQUIRED BY THE FIRE DEPARTMENT OF JURISDICTION.
5) BALL VALVE TEST COCKS SHALL BE PROVIDED AND LOCATED PER THE MANUFACTURES RECOMMENDATIONS AND THE REQUIREMENTS OF THE WATER AGENCY STANDARDS.
6) INSTALL FIRE SERVICES SO THAT THE DISTANCE BETWEEN THE BOTTOM OF THE RELIEF DIAPHRAGM AND THE CONCRETE SLAB OR FINISH GRADE IS 12" MIN. AND 36" MAX.
7) INSTALL AN ANGLE PRESSURE REDUCING VALVE IN LIEU OF THE FIRST 90° BEND WHEN SYSTEM STATIC PRESSURE EXCEEDS 175psi OR WHEN RECOMMENDED BY THE BACKFLOW MANUFACTURER
8) INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA PER THE REQUIREMENT OF THE RMWD SPECIFICATIONS.
9) INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA AS REQUIRED BE THE FIRE DEPARTMENT OF JURISDICTION.
10) ABOVE GROUND APPURTENANCE SHALL BE PAINTED AND IDENTIFIED AS CALLED FOR BY THE FIRE DEPARTMENT OF JURISDICTION.
11) TESTING SHALL BE CONDUCTED AS CALLED FOR IN SECTION 15112 OF THE SPECIFICATIONS PRIOR TO ACCEPTANCE BY THE DISTRICT.
12) MATERIALS SHALL BE SELECTED FORM THE APPROVED MATERIALS LIST.
13) DISTRICT RESPONSIBILITY ENDS AT EDGE OF PROPERTY LINE, RIGHT OF WAY, OR EASEMENT.

ITEM NO.	SIZE AND DESCRIPTION	ITEM NO.	
1	CONCRETE THRUST BLOCK SEE W-4	11	FLANGED 90° BEND, SEE NOTE 7
2	WATER MAIN	12	FLG'D OS&Y RWGV WITH HAND WHEEL
3	GATE WELL SEE W-19	13	RPDA SEE NOTE 4
4	SIZE X SIZE FLG X FLG TEE	14	CHAIN WITH LOCK SEE NOTE 4
5	FLG X FLG RWGV	15	FLANGED TEE WITH "FDC" SEE NOTE 4
6	FLG X MJ/PO ADAPTER (IF REQUIRED)	16	CONCRETE SLAB, 4" THICK X 48" WIDE, 520-C-2500
7	DI OR STEEL	17	3/4" BYPASS, METER & DOUBLE CHECK VALVE OR RP DEVICE
8	FLG X FLG 90° BEND	18	ADJUSTABLE VALVE SUPPORT
9	FLANGED DUCTILE IRON PIPE	19	DI PIPE SEE NOTE 9
10	1/2" EXPANSION JOINT	20	FLANGED ANGLE PRESSURE REDUCING VALVE SEE NOTE 7

RAINBOW MUNICIPAL WATER DISTRICT

APPROVED: RCE # 79790 EXP.09/30/2016 — REVISION | APPROVED | DATE

4" AND LARGER FIRE SERVICE INSTALLATION — STANDARD DRAWING NO. W-22B — JULY 2016

HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDGPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

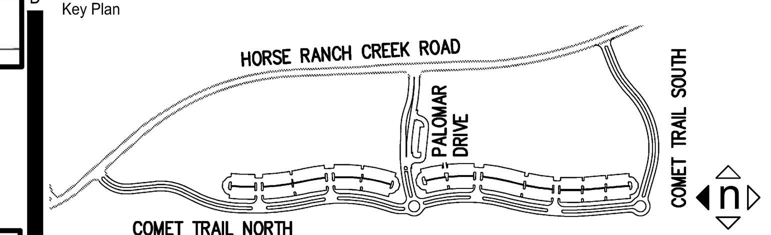
Consultant

Planning ▲ Engineering ▲ Surveying Solved.

MASSON & ASSOCIATES, INC.

200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS ____ FLS ____ SSS ____

DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center

Palomar College

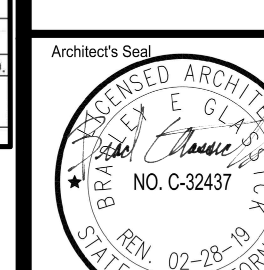
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

R.M.W.D. STANDARD DRAWINGS

Architect's Seal

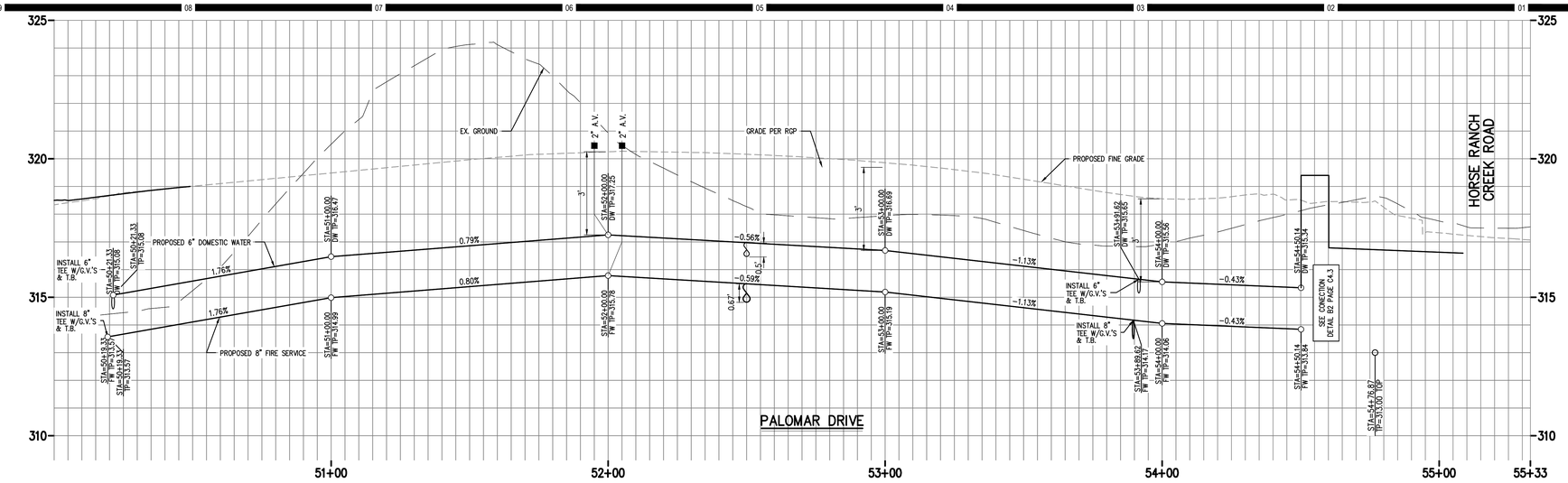


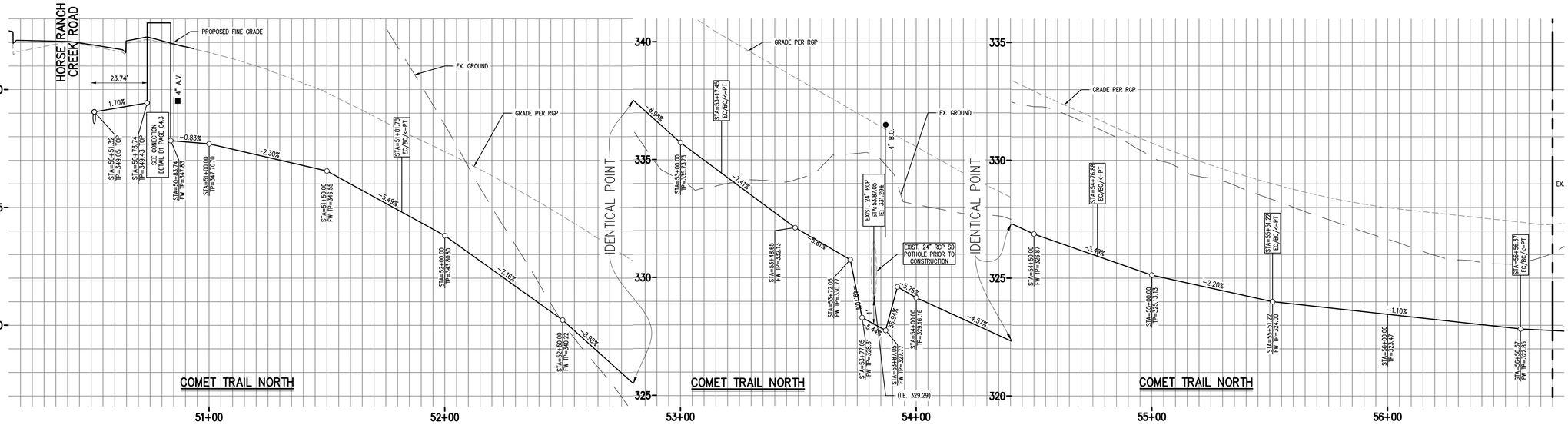
Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C3.8
Date: 10/06/2017	

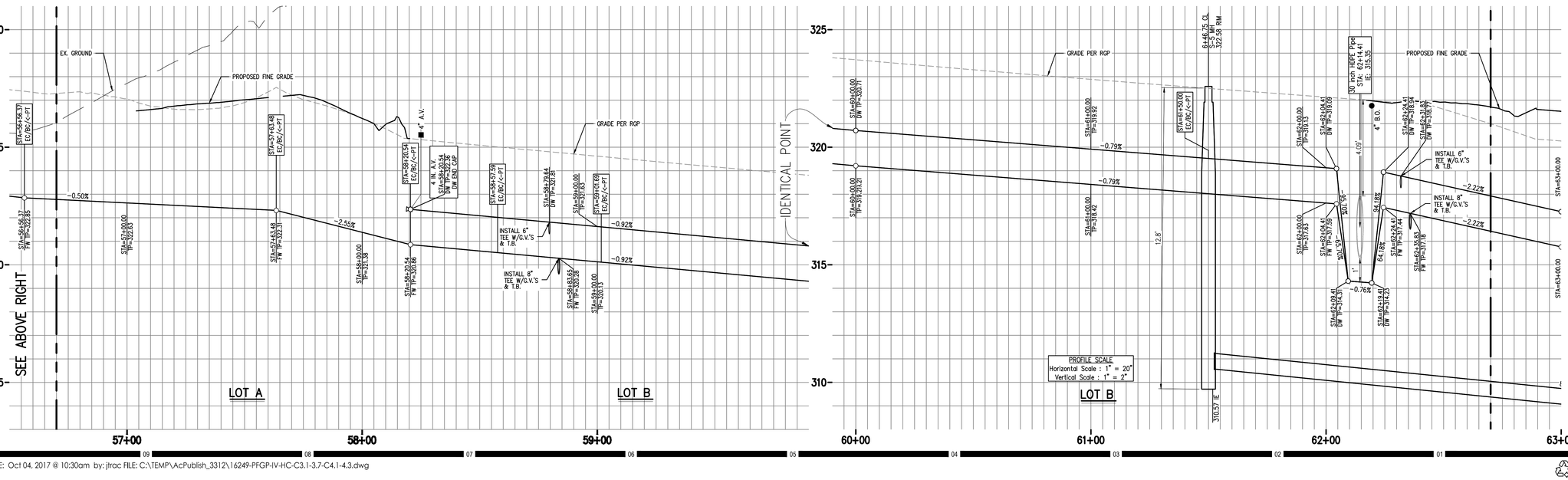
DATE: Oct 04, 2017 @ 10:28am by: jtrac FILE: C:\TEMP\AcPublish_3312\16249-PFGP-IV-HC-C3.1-3.7-C4.1-4.3.dwg

PLEASE RECYCLE

DSA SUBMITTAL







SEE BELOW LEFT

SEE SHEET C4.2

KEYNOTES

NOTES

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2. BENCHMARK USED IS SDGPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
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T 909 989 9979 / www.hmcarchitects.com

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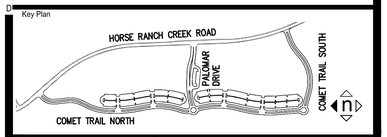
Key Plan



Consultant Seal

Agency Approval FILE NO._37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

UTILITY PROFILES

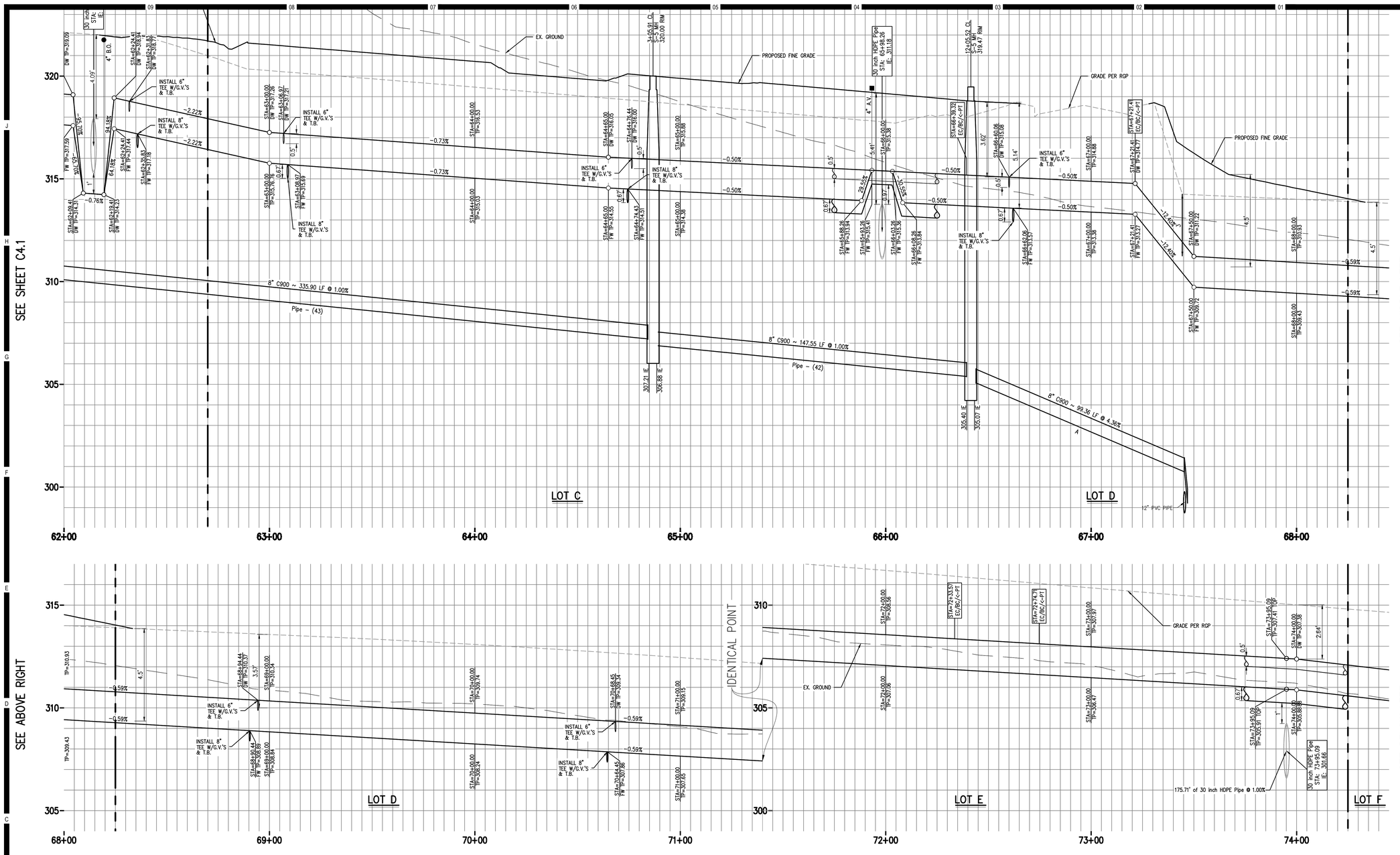
Architect's Seal

Designed: RD / DAM		Project No. 5015019-102	MAI PN: 16249
Drawn: DAM		Scale: AS NOTED	
QAQC RD		Drawing No. C4.1	
Date: 10/06/2017			

DATE: Oct 04, 2017 @ 10:30am by: jtrac FILE: C:\TEMP\AcPublish_3312\16249-PFGP-IV-HC-C3.1-3.7-C4.1-4.3.dwg

PLEASE RECYCLE

DSA SUBMITTAL



KEYNOTES

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.= 306.01 NAV29
3. WDID # 9 37C380545 .

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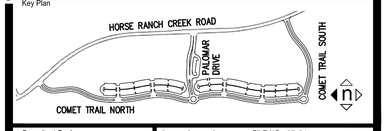

Consultant Seal

Agency Approval FILE NO. 37-C1

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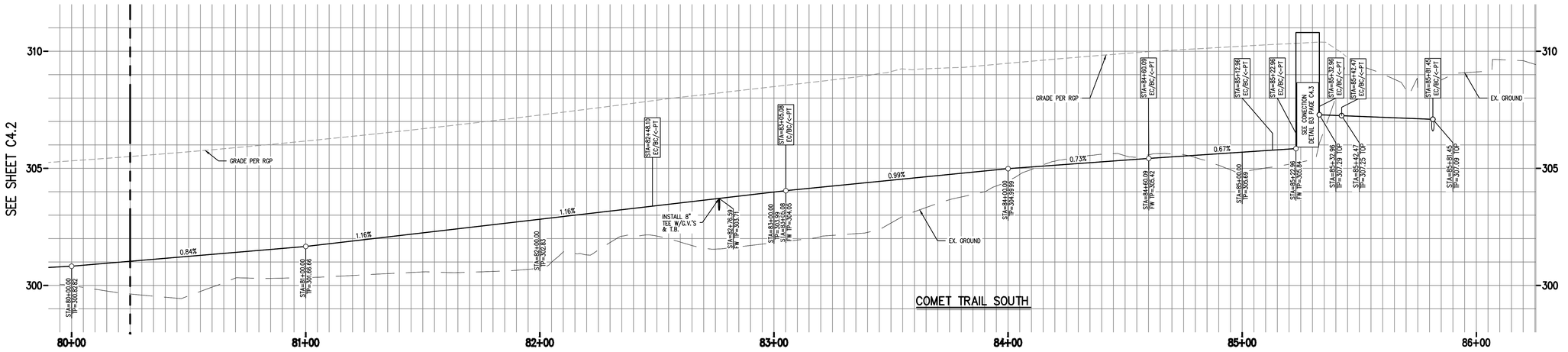
No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

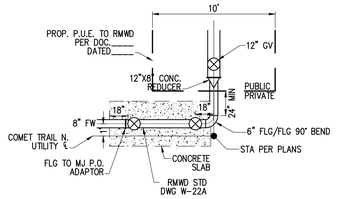
Drawing Title:

UTILITY PROFILES

Architect's Seal

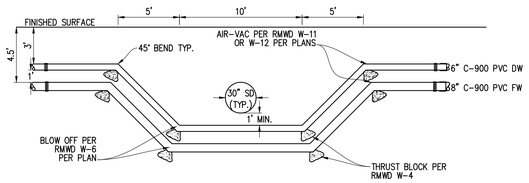
Designed: RD / DAM	Project No. 5015019-102
	MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C4.2
Date: 10/06/2017	





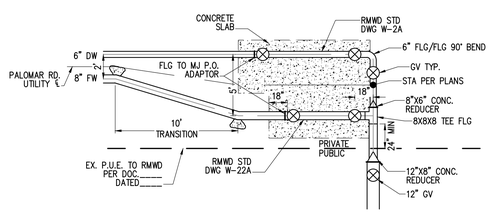
F1 C3.1 **CONNECTION AT COMET TRAIL NORTH FIRE SERVICE ONLY**

N.T.S.



G **WATER MAIN CONFLICT UNDERCROSSING (TYP.)**

N.T.S.



F2 C3.2 **CONNECTION AT PALOMAR ROAD PUBLIC WATER MAIN**

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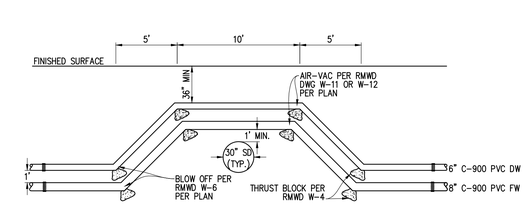

H **WATER MAIN CONFLICT OVERCROSSING (TYP.)**

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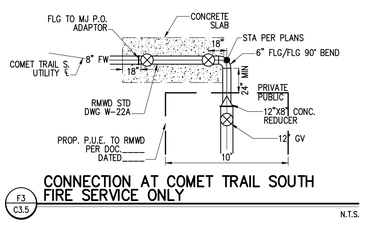

F3 C3.5 **CONNECTION AT COMET TRAIL SOUTH FIRE SERVICE ONLY**

N.T.S.

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SM

KEYNOTES

NOTES

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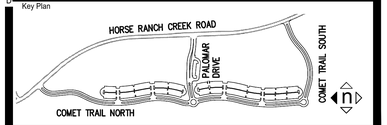
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1 .

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Project Title

PALOMAR COLLEGE Learning for Success

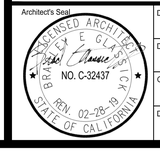
North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

UTILITY PROFILES □ DETAILS

Architect's Seal



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Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C4.3
Date: 10/06/2017	

DATE: Oct 04, 2017 @ 10:32am by: jtrac FILE: C:\TEMP\AcPublish_3312\16249-PFGP-IV-HC-C3.1-3.7-C4.1-4.3.dwg

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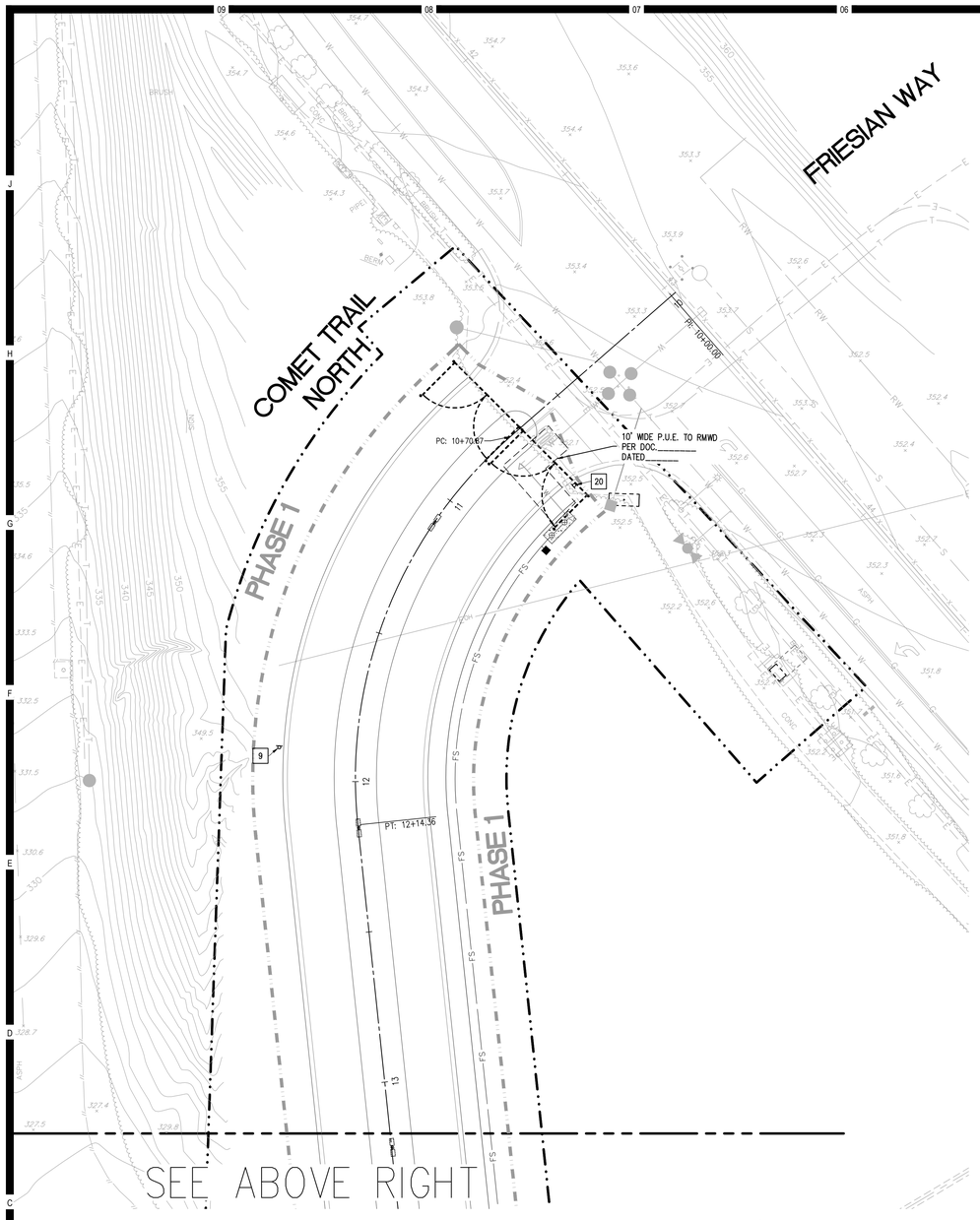
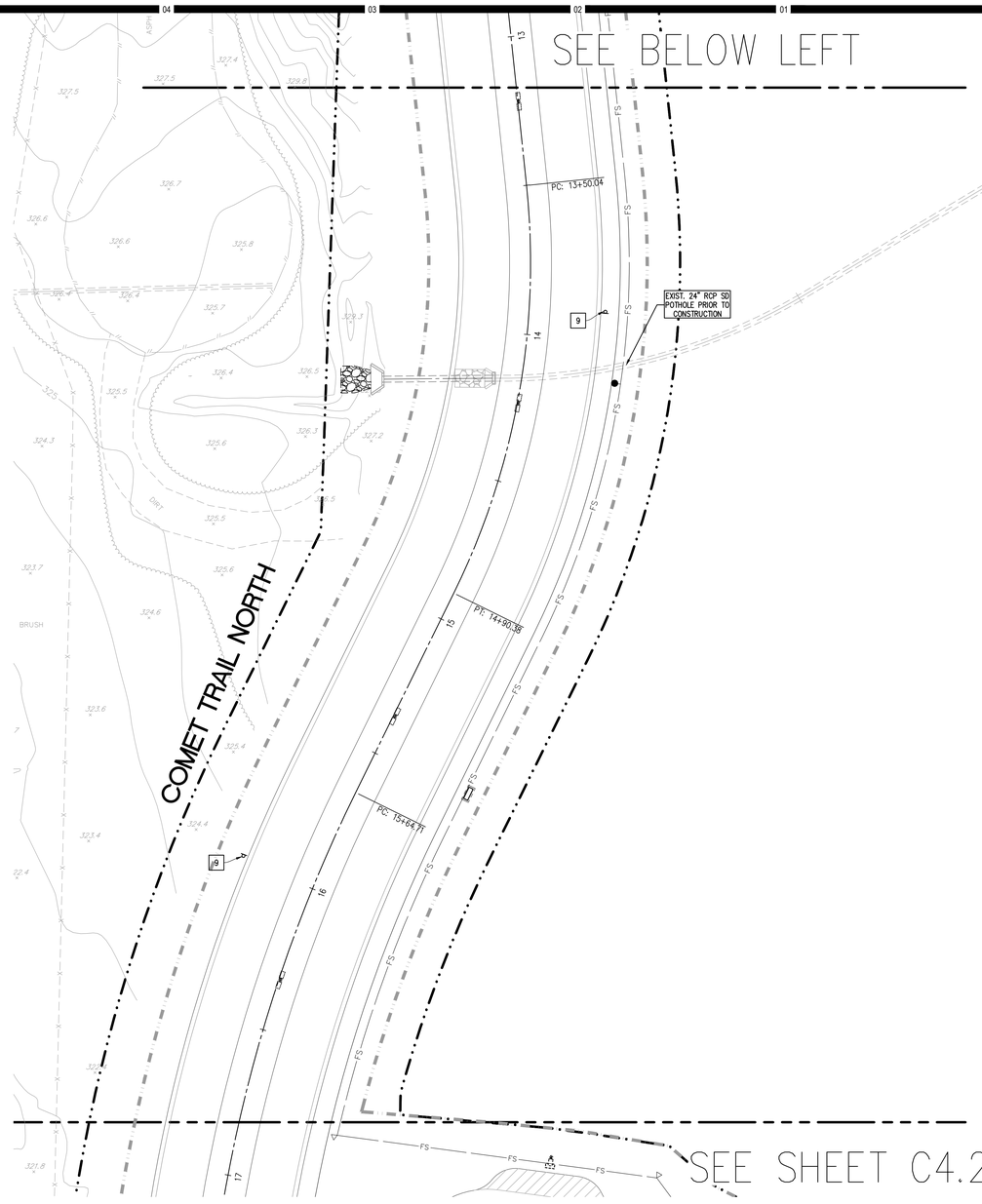
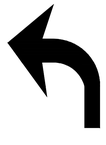


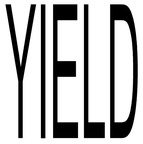


1 TYPE I ARROW MARKING PER A24A N.T.S.

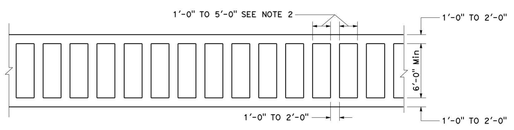


2 TYPE IV ARROW MARKING PER A24A N.T.S.

3 TYPE VII ARROW MARKING PER A24A N.T.S.



4 YIELD MARKING PER A24D N.T.S.



5 LADDER CROSSWALK MARKING PER A24F N.T.S.

6 LANE ENDS SIGN PER W4-2L N.T.S.

7 YIELD SIGN PER R1-2 N.T.S.

8 MANDATORY MOVEMENT SIGN PER R3-7L N.T.S.

9 SPEED LIMIT SIGN PER R2-1 N.T.S.

10 ROUNDABOUT SIGN PER R6-5P N.T.S.

11 STREET NAME SIGN PER D-3 N.T.S.

13 ENTRY PARKING KIOSK DETAIL (R) N.T.S.

20 10 0 20 40 60
SCALE IN FEET
GRAPHIC SCALE
1"=20'

N

KEYNOTES

CONSTRUCTION NOTES

1	PAINT TYPE I ARROW PER CALTRANS STD. A24A
2	PAINT TYPE IV (L) ARROW PER CALTRANS STD. A24A
3	PAINT TYPE VII (R) ARROW PER CALTRANS STD. A24A
4	PAINT YIELD MARKING PER CALTRANS STD. A24D
5	PAINT "LADDER CROSSWALK MARKINGS" PER CALTRANS STD. A24F
6	INSTALL W4-2L LANE ENDS SIGN PER 2004 MUTCD SHS
7	INSTALL R1-2 YIELD SIGN PER 2004 MUTCD SHS
8	INSTALL R3-7L MANDATORY MOVEMENT SIGN PER 2004 MUTCD SHS
9	INSTALL R2-1 SPEED LIMIT SIGN PER 2004 MUTCD SHS
10	INSTALL R6-5P ROUNDABOUT SIGN PER 2012 MUTCD SUPPLEMENT
11	INSTALL D-3 STREET NAME SIGN PER 2004 MUTCD SHS
12	INSTALL R6-4 2 CHEVERON SIGN PER 2012 MUTCD SUPPLEMENT
13	INSTALL SIGN PER THESE PLANS
14	INSTALL SIGN PER THESE PLANS
15	INSTALL SIGN PER THESE PLANS
16	PAINT "CHANNELIZING LINE" SINGLE WHITE LINE PER CALTRANS STD. A20D, DETAIL 38
17	PAINT "LANELINE" PER CALTRANS STD. A20A, DETAIL 8
18	INSTALL W11-2 & W16-7PL SIGN PER 2004 MUTCD SHS & THESE PLANS
19	INSTALL W-11-2 & W16-9P SIGNS PER 2004 MUTCD & THESE PLANS
20	INSTALL R1-1 STOP SIGN PER 2004 MUTCD SHS
21	PAINT STOP MARKING PER CALTRANS STD A24D
22	SEE ARCHITECT'S PLAN

NOTES

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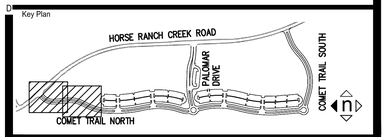
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

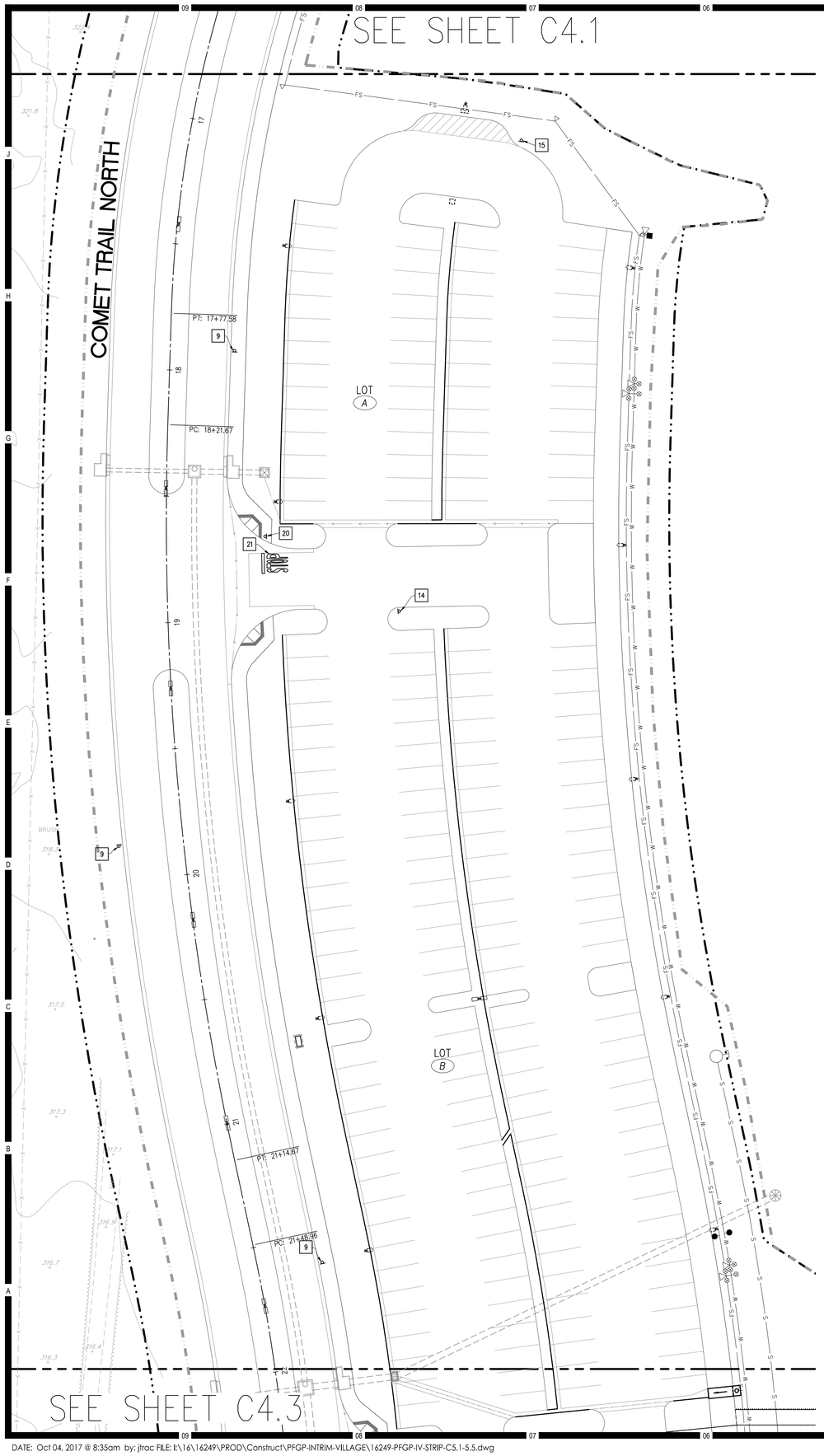
Project Title
PALOMAR COLLEGE
Learning for Success
North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

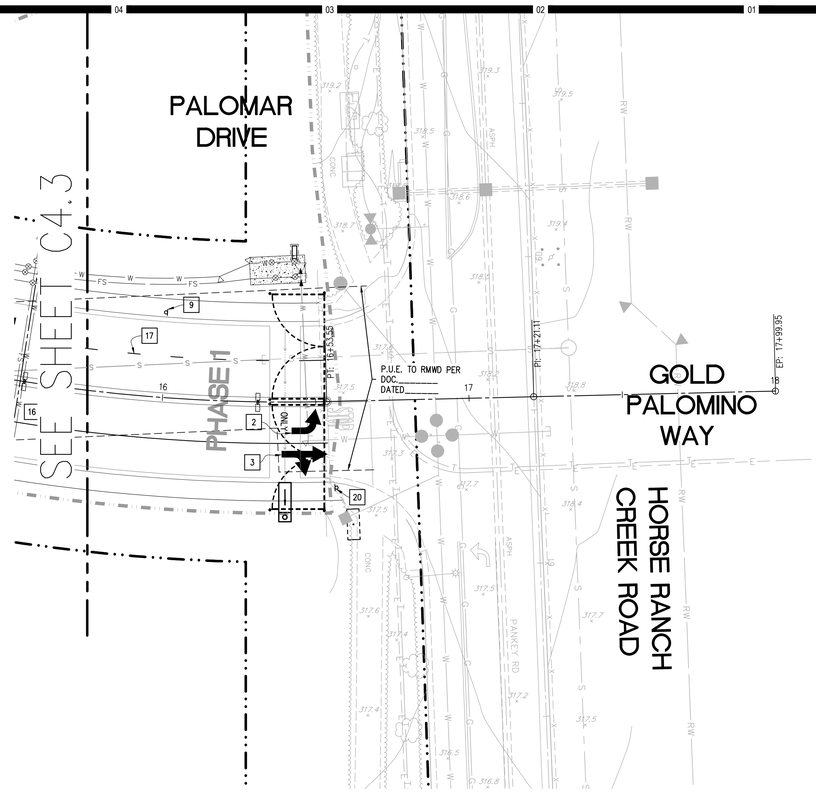
No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
SIGNAGE AND STRIPING PLAN

Architect's Seal

Designed: RD / DAM	Project No. 5015019-102
Drawn: DAM	MAI PN: 16249
QAQC RD	Scale: AS NOTED
Date: 10/06/2017	Drawing No. C5.1

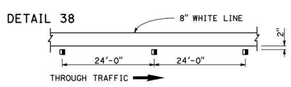




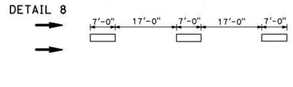
13 ENTRY PARKING KIOSK DETAIL (R) N.T.S.

14 ENTRY PARKING KIOSK DETAIL (L) N.T.S.

15 PARKING KIOSK DETAIL N.T.S.



16 CHANNELIZING LINE PER A20D DETAIL 38 N.T.S.



17 LANELINE PER A20A DETAIL 8 N.T.S.

18 PEDESTRIAN CROSSING SIGN PER W11-2 & W16-7PL N.T.S.

19 PEDESTRIAN CROSSING AHEAD SIGN PER W-11-2 & W16-9P N.T.S.

20 STOP SIGN PER R1-1 N.T.S.

21 STOP MARKING PER A24D N.T.S.

20 10 0 20 40 60
SCALE IN FEET
GRAPHIC SCALE
1" = 20'

N

KEYNOTES

CONSTRUCTION NOTES

1 PAINT TYPE I ARROW PER CALTRANS STD. A24A
2 PAINT TYPE IV (L) ARROW PER CALTRANS STD. A24A
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4 PAINT YIELD MARKING PER CALTRANS STD. A24D
5 PAINT "LADDER CROSSWALK MARKINGS" PER CALTRANS STD. A24F
6 INSTALL W4-2L LANE ENDS SIGN PER 2004 MUTCD SHS
7 INSTALL R1-2 YIELD SIGN PER 2004 MUTCD SHS
8 INSTALL R3-7L MANDATORY MOVEMENT SIGN PER 2004 MUTCD SHS
9 INSTALL R2-1 SPEED LIMIT SIGN PER 2004 MUTCD SHS
10 INSTALL R6-5P ROUNDABOUT SIGN PER 2012 MUTCD SUPPLEMENT
11 INSTALL D-3 STREET NAME SIGN PER 2004 MUTCD SHS
12 INSTALL R6-4 2 CHEVERON SIGN PER 2012 MUTCD SUPPLEMENT
13 INSTALL SIGN PER THESE PLANS
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18 INSTALL W11-2 & W16-7PL SIGN PER 2004 MUTCD SHS & THESE PLANS
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21 PAINT STOP MARKING PER CALTRANS STD A24D
22 SEE ARCHITECT'S PLAN

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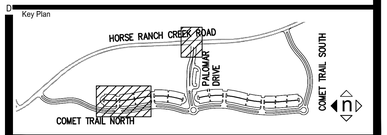

Consultant Seal
REGISTERED PROFESSIONAL ENGINEER ROBERT D. MASSON No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1 .
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No.	Description	Date
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Drawing Title:
SIGNAGE AND STRIPING PLAN

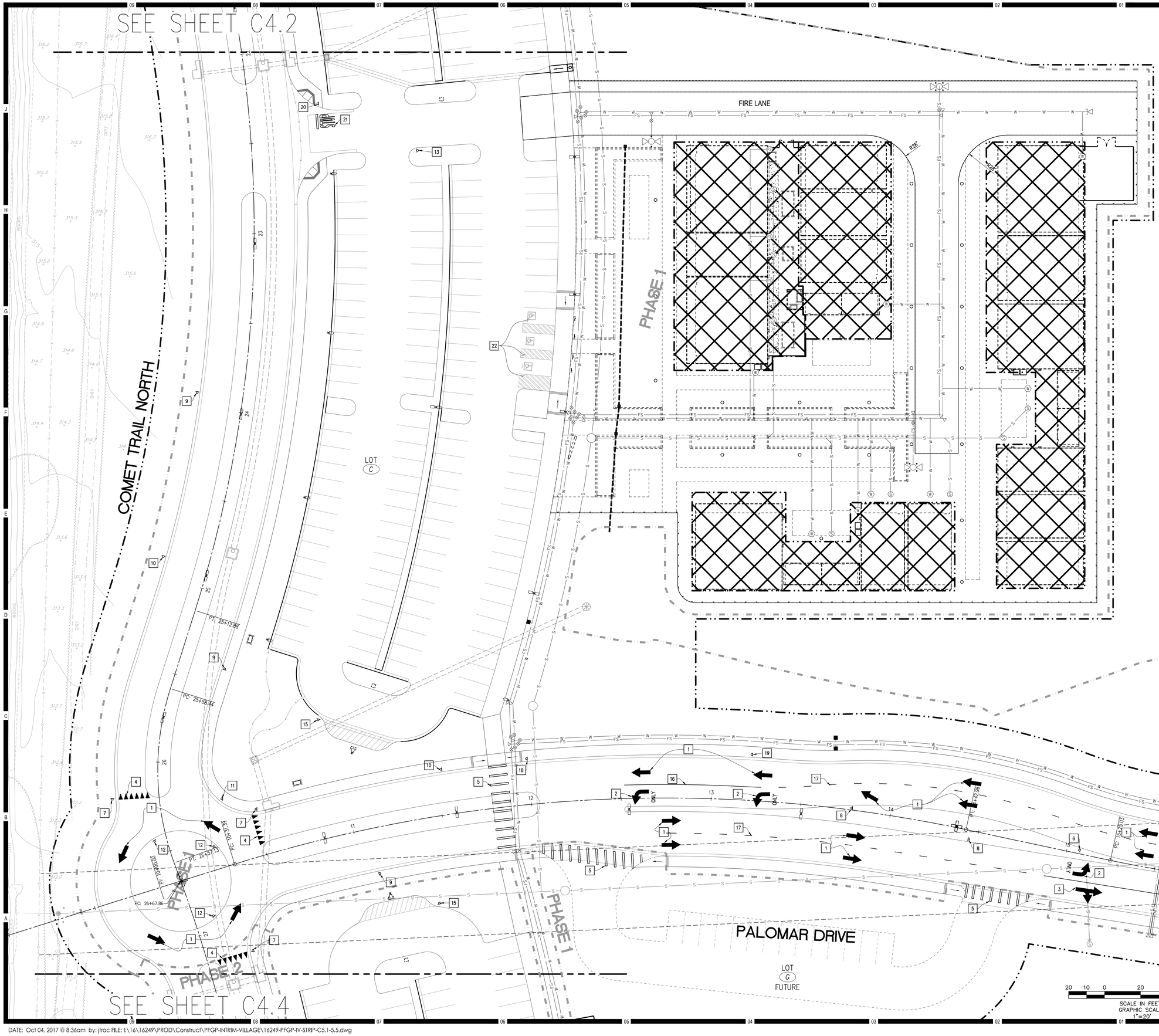
Architect's Seal
REGISTERED ARCHITECT BRADLEE GLASSOCK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
Drawn: DAM	MAI PN: 16249
QA/QC RD	Scale: AS NOTED
Date: 10/06/2017	Drawing No. C5.2

DATE: Oct 04, 2017 @ 8:35am by: jtrac FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-STRIP-C5.1-5.5.dwg

PLEASE RECYCLE

DSA SUBMITTAL



KEYNOTES

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21. PAINT STOP MARKING PER CALTRANS STD A24D
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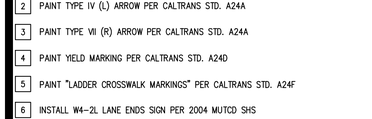


Consultant Seal

REGISTERED PROFESSIONAL ENGINEER ROBERT D. MASSON No. C081699 Exp. 03/31/18 CIVIL STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
SIGNAGE AND STRIPING PLAN

Architect's Seal

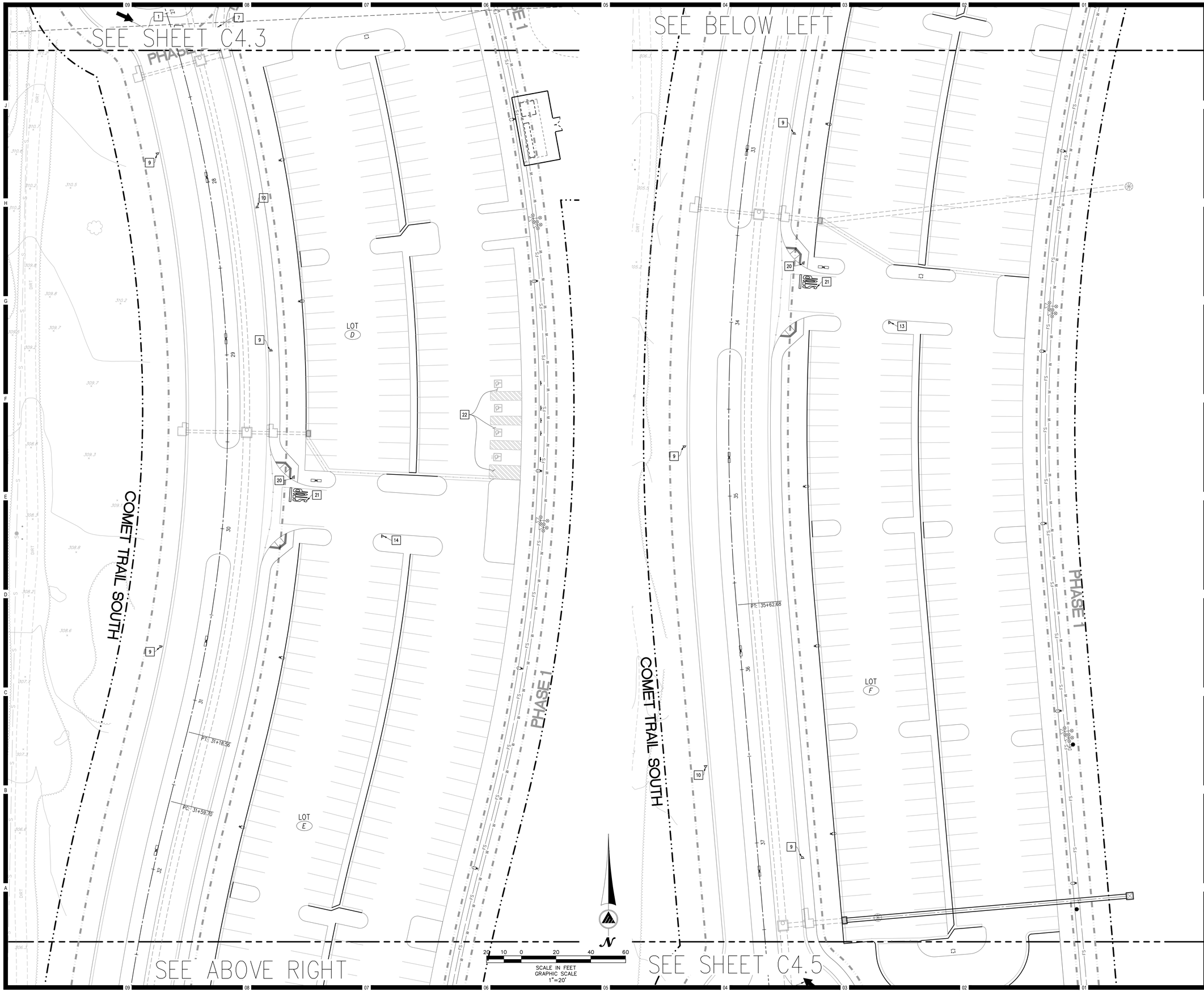
REGISTERED ARCHITECT BRADFORD E. GLASSICK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102
Drawn: DAM	MAI PN: 16249
QAQC RD	Scale: AS NOTED
Date: 10/06/2017	Drawing No. C5.3

DATE: Oct 04, 2017 @ 8:36am by: jtrac FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-STRIP-C5.1-5.5.dwg

PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

CONSTRUCTION NOTES

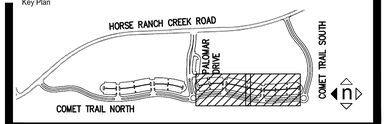
1. PAINT TYPE I ARROW PER CALTRANS STD. A24A
2. PAINT TYPE IV (L) ARROW PER CALTRANS STD. A24A
3. PAINT TYPE VII (R) ARROW PER CALTRANS STD. A24A
4. PAINT YIELD MARKING PER CALTRANS STD. A24D
5. PAINT "LADDER CROSSWALK MARKINGS" PER CALTRANS STD. A24F
6. INSTALL W4-2L LANE ENDS SIGN PER 2004 MUTCD SHS
7. INSTALL R1-2 YIELD SIGN PER 2004 MUTCD SHS
8. INSTALL R3-7L MANDATORY MOVEMENT SIGN PER 2004 MUTCD SHS
9. INSTALL R2-1 SPEED LIMIT SIGN PER 2004 MUTCD SHS
10. INSTALL R6-5P ROUNDABOUT SIGN PER 2012 MUTCD SUPPLEMENT
11. INSTALL D-3 STREET NAME SIGN PER 2004 MUTCD SHS
12. INSTALL R6-4 2 CHEVERON SIGN PER 2012 MUTCD SUPPLEMENT
13. INSTALL SIGN PER THESE PLANS
14. INSTALL SIGN PER THESE PLANS
15. INSTALL SIGN PER THESE PLANS
16. PAINT "CHANNELIZING LINE" SINGLE WHITE LINE PER CALTRANS STD. A20D, DETAIL 38
17. PAINT "LANELINE" PER CALTRANS STD. A20A, DETAIL 8
18. INSTALL W11-2 & W16-7PL SIGN PER 2004 MUTCD SHS & THESE PLANS
19. INSTALL W-11-2 & W16-9P SIGNS PER 2004 MUTCD & THESE PLANS
20. INSTALL R1-1 STOP SIGN PER 2004 MUTCD SHS
21. PAINT STOP MARKING PER CALTRANS STD A24D
22. SEE ARCHITECT'S PLAN

NOTES

1. CONTOURS AND ELEVATIONS SHOWN IN FUTURE ROADS ARE TO FINISHED GRADE. SUB-GRADE PER SOILS REPORT AND STREET SECTION ON PAGE 1.
2. BENCHMARK USED IS SDCPS 3 FROM COUNTY OF SAN DIEGO CONTROL DATA SHEET ELV.=306.01 NAV29
3. WDID # 9 37C380545 .

Consultant
Planning ▲ Engineering ▲ Surveying
Solved.
MASSON & ASSOCIATES, INC.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
O. 760.741.3570
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. ADAMO
No. C081699
Exp. 03/31/18
CIVIL
STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
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Project Title

PALOMAR COLLEGE
Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

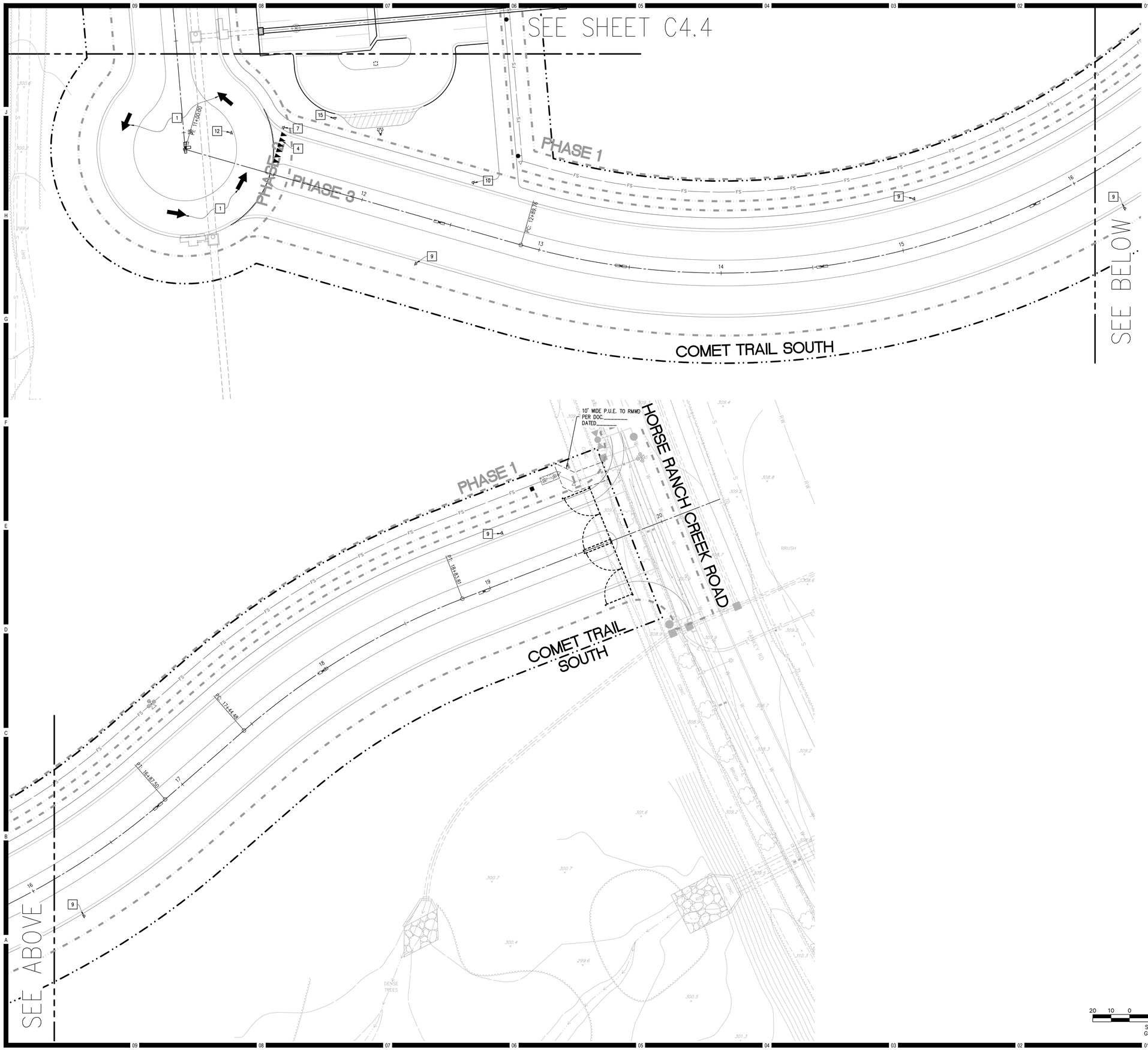
No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:
SIGNAGE AND STRIPING PLAN

Architect's Seal

REGISTERED ARCHITECT
BRADLEY E GLASTETTER
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC: RD	Drawing No. C5.4
Date: 10/06/2017	



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3. WDID # 9 37C380545

SCALE IN FEET
GRAPHIC SCALE
1"=20'

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Consultant
MASSON & ASSOCIATES, INC.
Planning ▲ Engineering ▲ Surveying
Solved.
200 E. Washington Ave., Suite 200
Escondido, CA 92025
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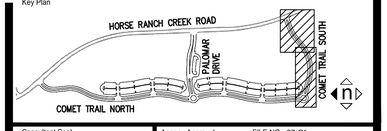
F. 760.741.1786
www.masson-assoc.com

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT D AMARO
No. C081699
Exp. 03/31/18
CIVIL
STATE OF CALIFORNIA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITAL - PHASE II	10/06/2017

Drawing Title:

SIGNAGE AND STRIPING PLAN

Architect's Seal

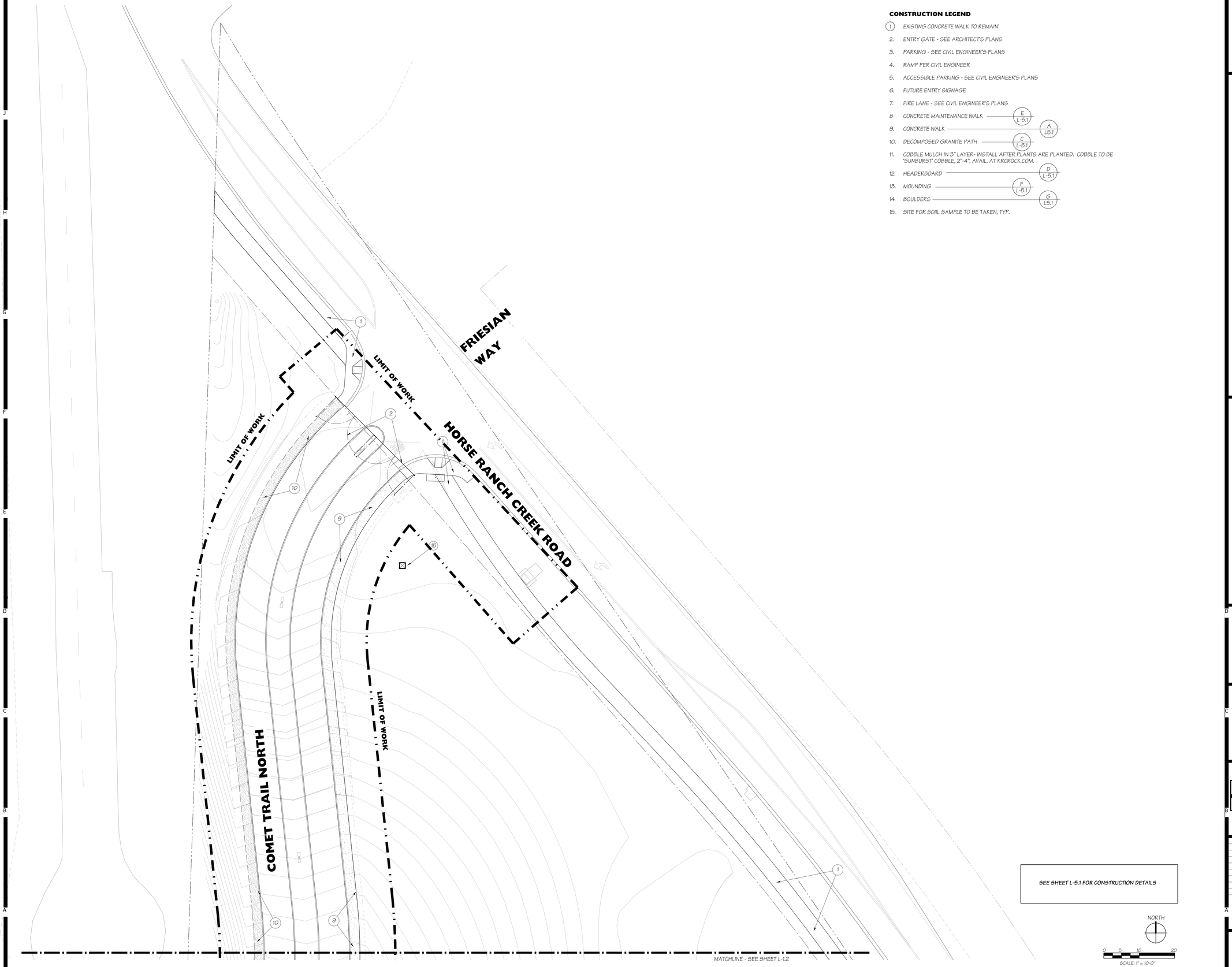
REGISTERED ARCHITECT
BRENDEN E GLASER
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: RD / DAM	Project No. 5015019-102 MAI PN: 16249
Drawn: DAM	Scale: AS NOTED
QAQC RD	Drawing No. C5.5
Date: 10/06/2017	

DATE: Oct 04, 2017 @ 8:36am by: jtrac FILE: I:\16\16249\PROD\Construct\PFGP-INTRIM-VILLAGE\16249-PFGP-IV-STRIP-C5.1-5.5.dwg

PLEASE RECYCLE

DSA SUBMITTAL



CONSTRUCTION LEGEND

1. EXISTING CONCRETE WALK TO REMAIN'
2. ENTRY GATE - SEE ARCHITECT'S PLANS
3. PARKING - SEE CIVIL ENGINEER'S PLANS
4. RAMP PER CIVIL ENGINEER
5. ACCESSIBLE PARKING - SEE CIVIL ENGINEER'S PLANS
6. FUTURE ENTRY SIGNAGE
7. FIRE LANE - SEE CIVIL ENGINEER'S PLANS
8. CONCRETE MAINTENANCE WALK — E / L-5.1
9. CONCRETE WALK — A / L5.1
10. DECOMPOSED GRANITE PATH — C / L-5.1
11. COBBLE MULCH IN 3" LAYER- INSTALL AFTER PLANTS ARE PLANTED. COBBLE TO BE "SUNBURST" COBBLE, 2"-4", AVAIL. AT KRCROCK.COM.
12. HEADERBOARD — D / L-5.1
13. MOUNDING — F / L-5.1
14. BOULDERS — G / L5.1
15. SITE FOR SOIIL SAMPLE TO BE TAKEN, TYP.

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

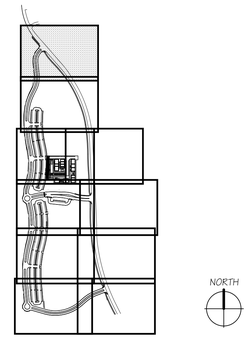
NORTH

0 5 10 20

SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 3240
09.14.17
RENEWAL
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9043 2305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

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DIV. OF THE STATE ARCHITECT

APPL. 04-116580

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DATE _____

Project Title

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

LICENSED ARCHITECT
GRAHAM E. CLARKE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.1
Date: 10/06/2017	

DSA SUBMITTAL

17-001

MATCHLINE - SEE SHEET L-1.1

LIMIT OF WORK

COMET TRAIL NORTH

LIMIT OF WORK

LIMIT OF WORK

HORSE RANCH CREEK ROAD

LOT A

LIMIT OF WORK

MATCHLINE - SEE SHEET L-1.3

SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

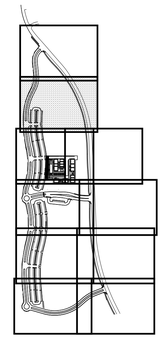
NORTH

0 5 10 20

SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



NORTH

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 10-31-17
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Dennen Powell Atelier Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpainc.com
3205 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

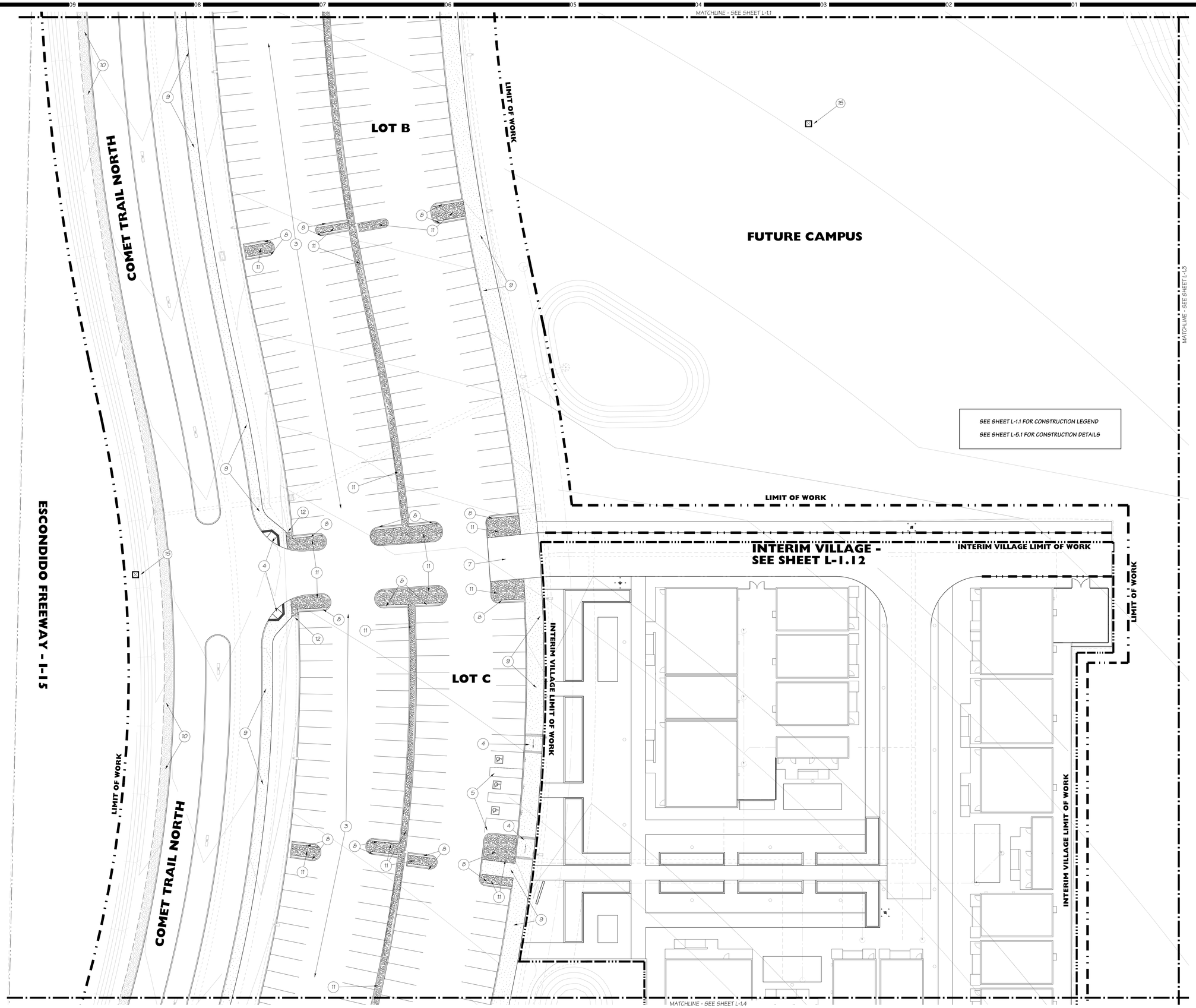
REGISTERED ARCHITECT
JAMES R. GRACE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-1.2
Date: 10/06/2017	

17-001

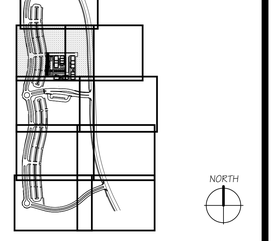
PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRATION DATE
09.14.17
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpainc.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

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DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS. FLS. SSS.
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

REGISTERED ARCHITECT
JON L. POWELL
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.3
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

MATCHLINE - SEE SHEET L-1.1

NO NEW CONSTRUCTION THIS SHEET

HORSE RANCH CREEK ROAD

LIMIT OF WORK FOR INTERIM VILLAGE

LIMIT OF WORK

MATCHLINE - SEE SHEET L-1.3

1

MATCHLINE - SEE SHEET L-1.2

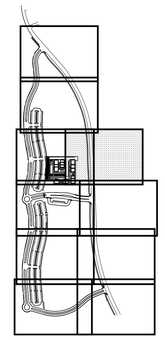
MATCHLINE - SEE SHEET L-1.4

SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4444
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.

TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104

DPA

Agency Approval FILE NO. 37-C1

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APPL. 04-116580

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Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

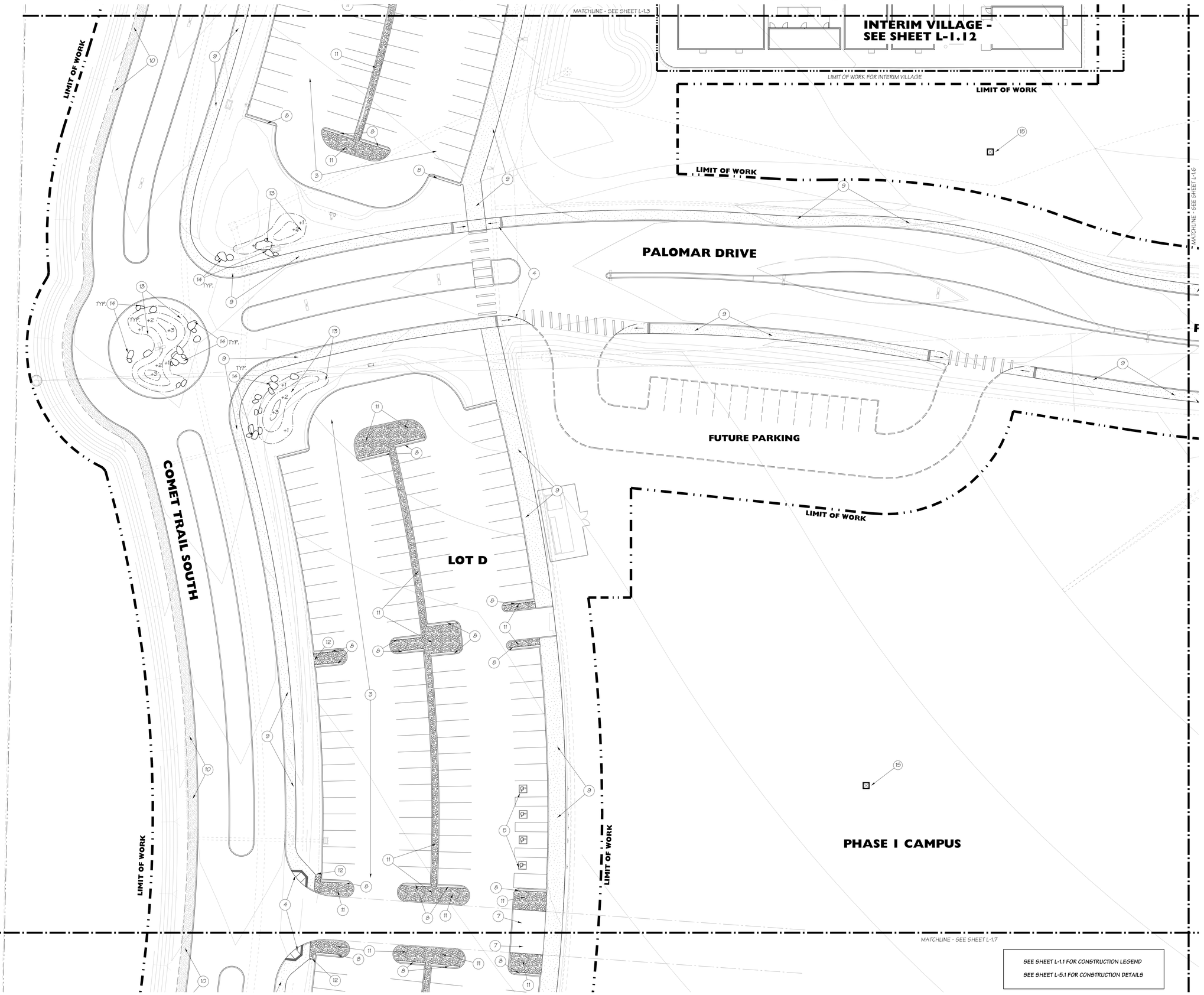
LICENSED ARCHITECT
STEVEN E. GLASER
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	KEE	Project No.	5015019-102
Drawn:	KEE	Scale:	1"=20'-0"
QAQC		Drawing No.	L-1.4
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

17-C01

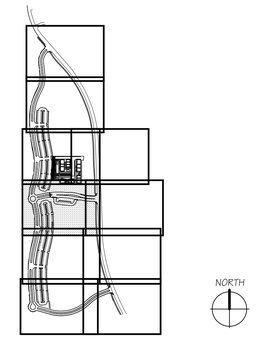


SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, inc.
TEL. 619.294.9062
FAX. 619.294.9028
www.dpadesign.com
3208 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

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Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
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No	Description	Date
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Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

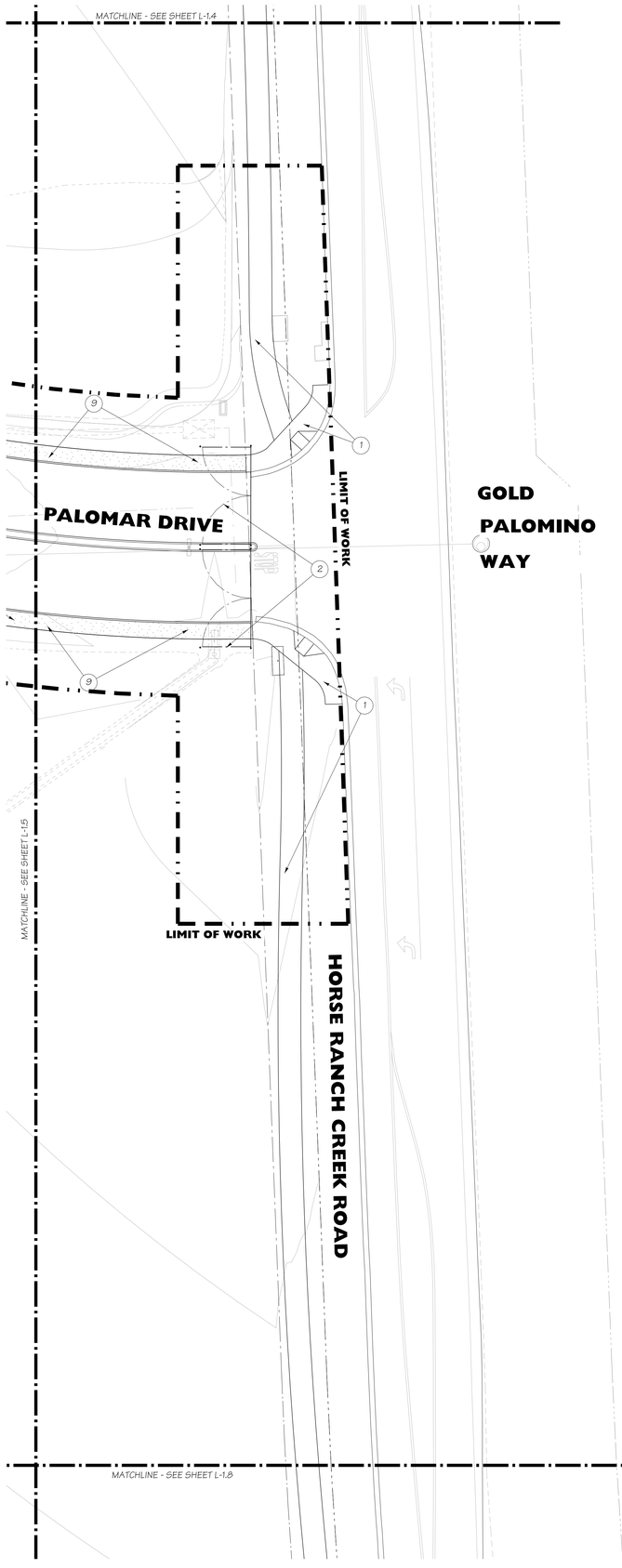
LICENSED ARCHITECT
GREGORY E. GLASS
NO. C-32437
EXP. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.5
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

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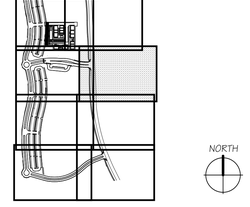

Consultant Seal

Consultant

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TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

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Palomar College

35090 Horse Ranch Creek Road
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No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

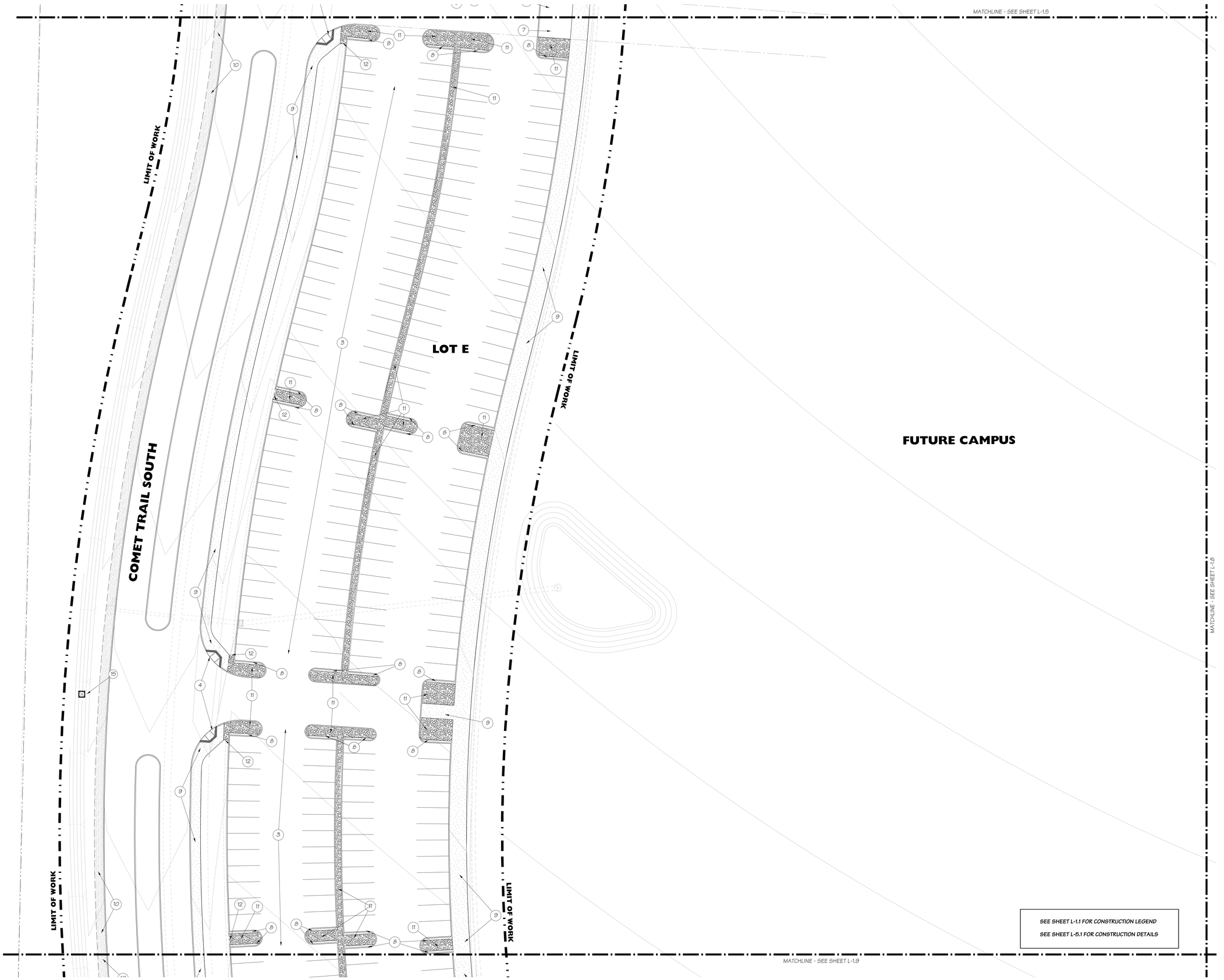
LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-1.6
Date: 10/06/2017	

DSA SUBMITTAL

17-001

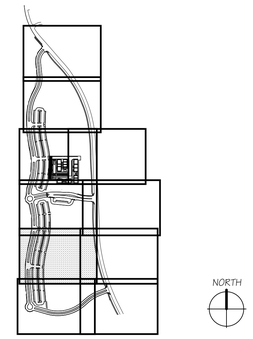


SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4349
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS. FLS. SSS.

DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

LICENSED ARCHITECT
BRADLEY E. GLASGOW
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.7
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

17C01

MATCHLINE - SEE SHEET L-1.6

HORSE RANCH CREEK ROAD

NO NEW CONSTRUCTION THIS SHEET

MATCHLINE - SEE SHEET L-1.7

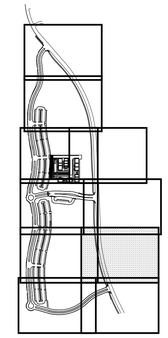
MATCHLINE - SEE SHEET L-1.10

SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



NORTH

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 01/31/19
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 3305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com
DPA

Agency Approval FILE NO. 37-C1

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APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

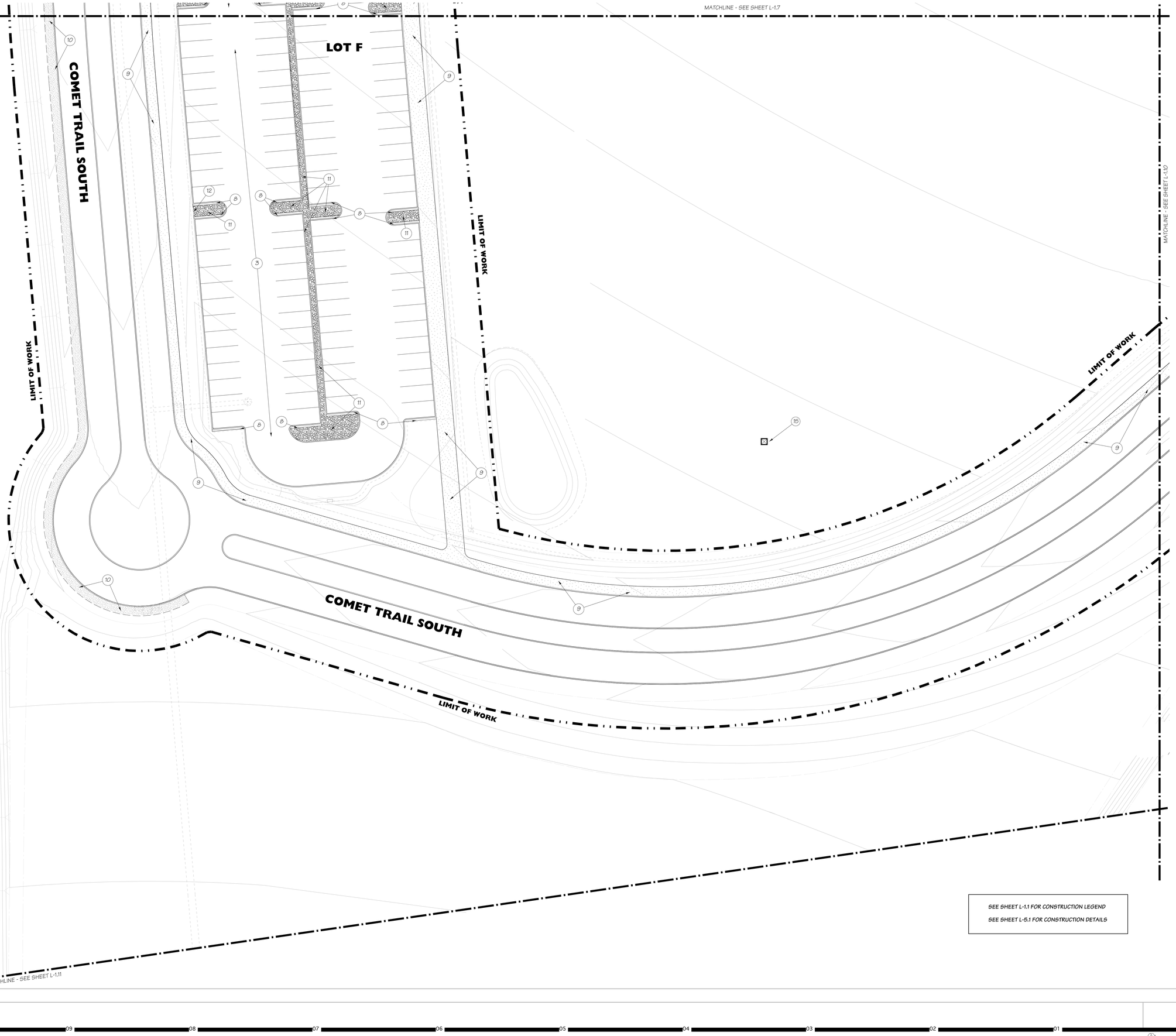
LICENSED ARCHITECT
JOSEPH E. GARCIA
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-1.8
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

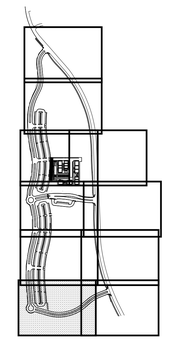


SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

JON L. POWELL
No.5140
EXPIRES: 12/31/17
CA
04.14.17
DATE
REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9542
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

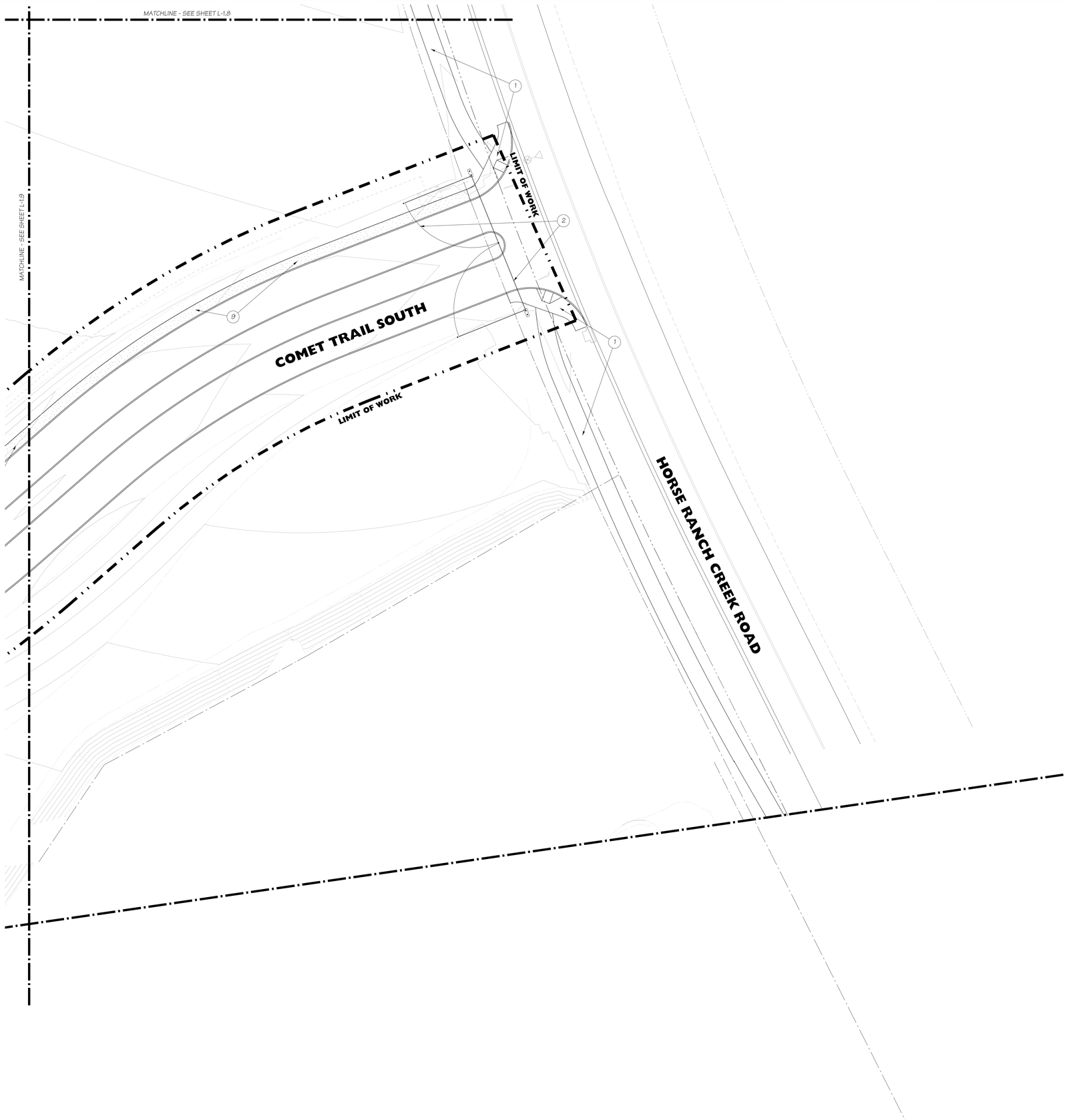
KENNETH E. GLICK
No. C-32437
REN. 02-28-19
LICENSED ARCHITECT
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. **L-1.9**
Date: 10/06/2017	

17-C021

PLEASE RECYCLE

DSA SUBMITTAL

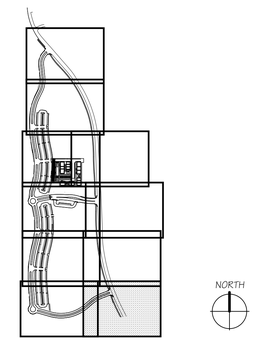


SEE SHEET L-1.1 FOR CONSTRUCTION LEGEND

SEE SHEET L-5.1 FOR CONSTRUCTION DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES 01-31-17
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

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ACS. FLS. SSS

DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

LICENSED ARCHITECT
KRISTY E. GARCIA
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.10
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

MATCHLINE - SEE SHEET L-1.9

15

NO NEW LANDSCAPE CONSTRUCTION, TYP.

NORTH

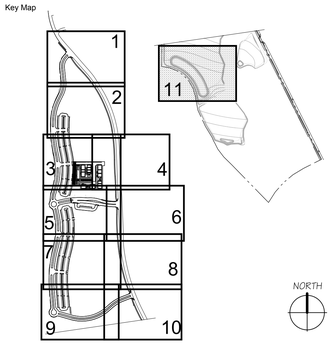
0 5 10 20

SCALE: 1" = 10'-0"

HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No.2405
EXPIRES: 01-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL 619.294.9042
FAX 619.294.9028
www.dpadesign.com
2302 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN

Architect's Seal

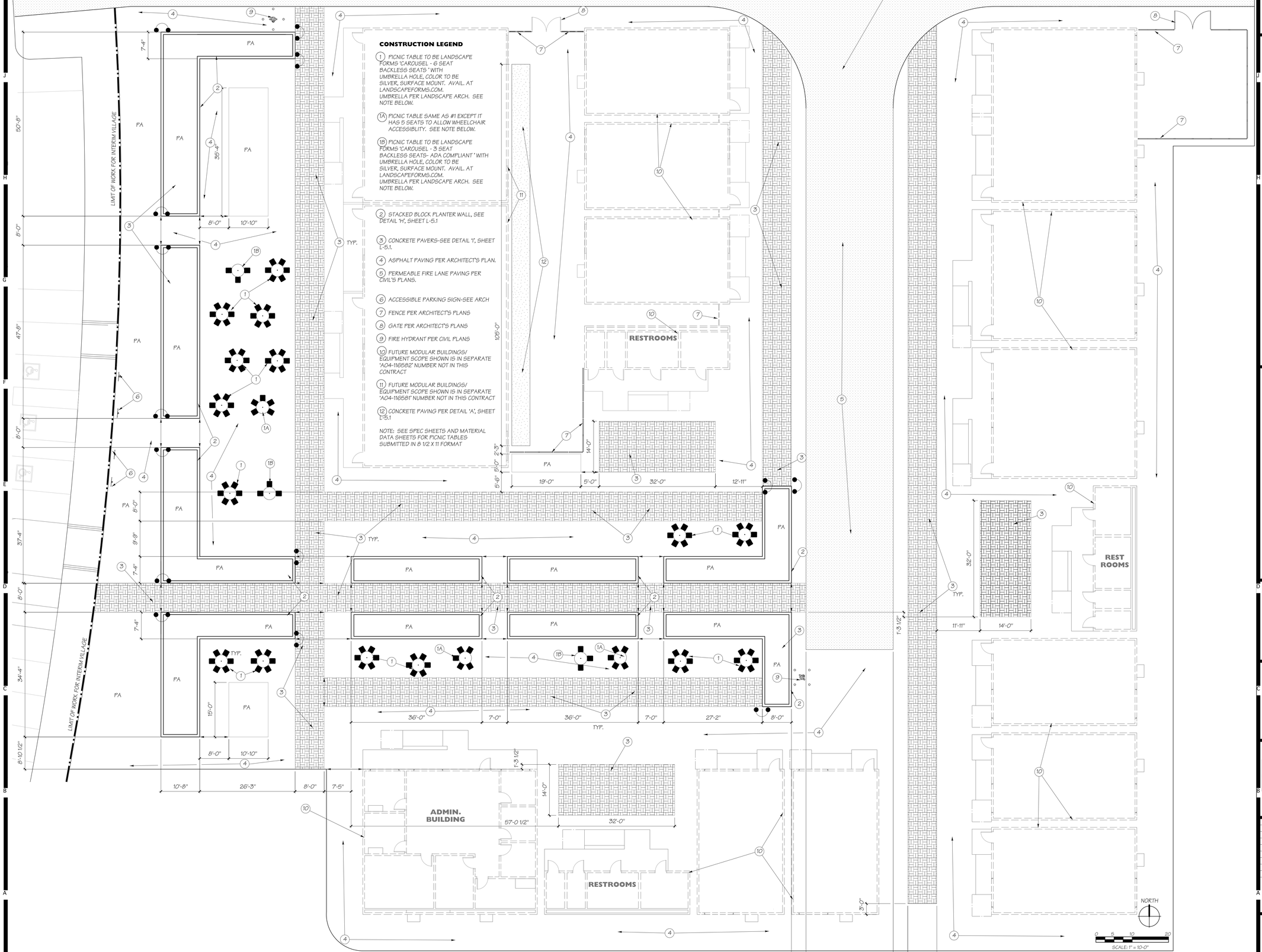
LICENSED ARCHITECT
KEVIN E GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-1.11
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

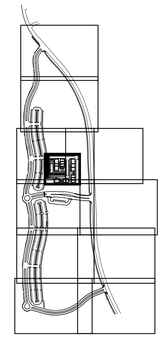


HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

CONSTRUCTION SYMBOLS LEGEND

- ALIGN
- ALIGN
- PA PLANTER AREA
- TYP. TYPICAL

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
#2445
EXPIRES: 8/31/17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpalinc.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE CONSTRUCTION PLAN- INTERIM VILLAGE

Architect's Seal

LICENSED ARCHITECT
KYLE E GRIFFIN
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=10'-0"
QAQC	Drawing No. L-1.12
Date: 10/06/2017	

17-001

PLEASE RECYCLE

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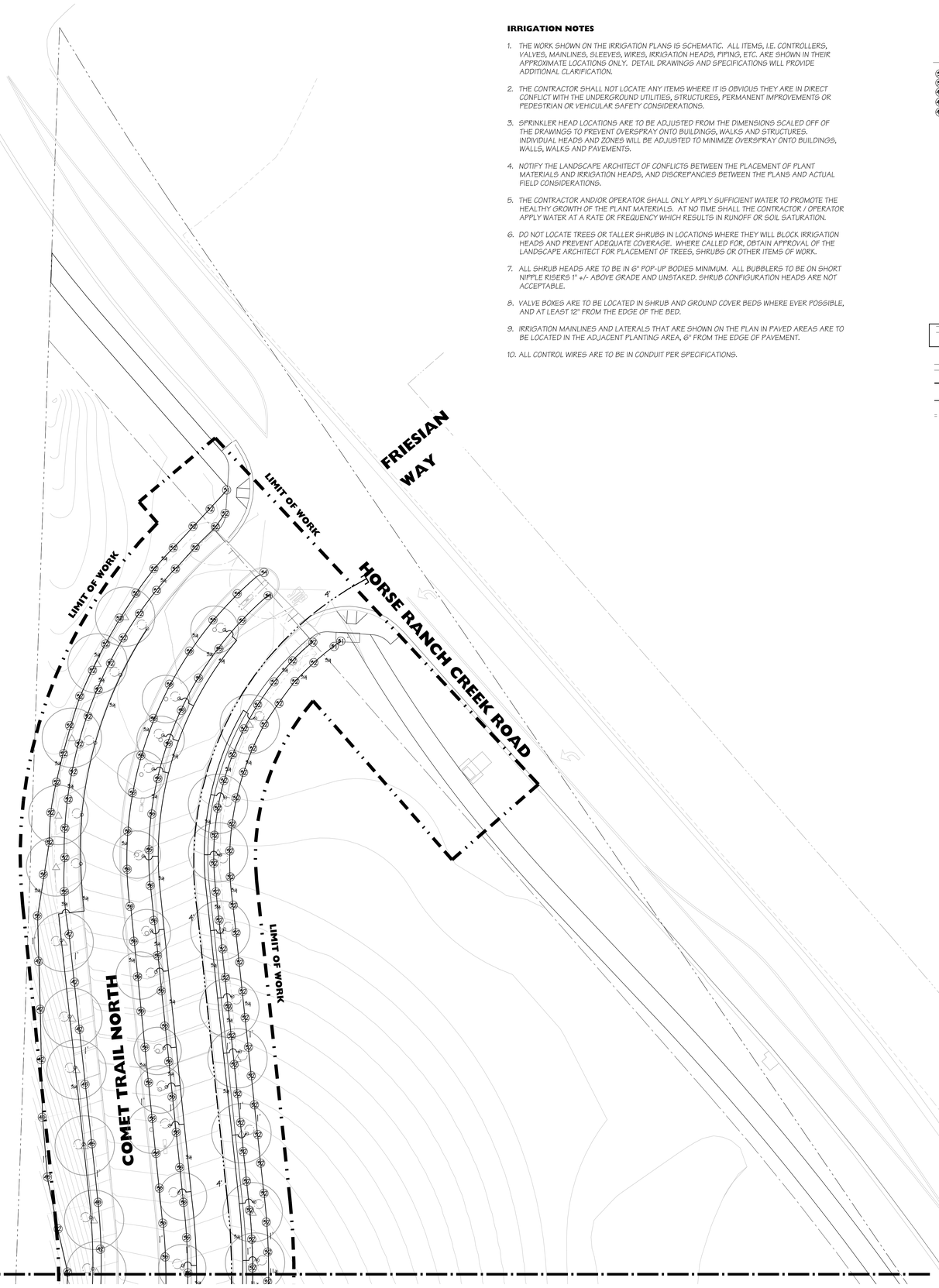


IRRIGATION NOTES

1. THE WORK SHOWN ON THE IRRIGATION PLANS IS SCHEMATIC. ALL ITEMS, I.E. CONTROLLERS, VALVES, MAINLINES, SLEEVES, WIRES, IRRIGATION HEADS, PIPING, ETC. ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. DETAIL DRAWINGS AND SPECIFICATIONS WILL PROVIDE ADDITIONAL CLARIFICATION.
2. THE CONTRACTOR SHALL NOT LOCATE ANY ITEMS WHERE IT IS OBVIOUS THEY ARE IN DIRECT CONFLICT WITH THE UNDERGROUND UTILITIES, STRUCTURES, PERMANENT IMPROVEMENTS OR PEDESTRIAN OR VEHICULAR SAFETY CONSIDERATIONS.
3. SPRINKLER HEAD LOCATIONS ARE TO BE ADJUSTED FROM THE DIMENSIONS SCALED OFF OF THE DRAWINGS TO PREVENT OVERSPRAY ONTO BUILDINGS, WALKS AND STRUCTURES. INDIVIDUAL HEADS AND ZONES WILL BE ADJUSTED TO MINIMIZE OVERSPRAY ONTO BUILDINGS, WALLS, WALKS AND PAVEMENTS.
4. NOTIFY THE LANDSCAPE ARCHITECT OF CONFLICTS BETWEEN THE PLACEMENT OF PLANT MATERIALS AND IRRIGATION HEADS, AND DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONSIDERATIONS.
5. THE CONTRACTOR AND/OR OPERATOR SHALL ONLY APPLY SUFFICIENT WATER TO PROMOTE THE HEALTHY GROWTH OF THE PLANT MATERIALS. AT NO TIME SHALL THE CONTRACTOR / OPERATOR APPLY WATER AT A RATE OR FREQUENCY WHICH RESULTS IN RUNOFF OR SOIL SATURATION.
6. DO NOT LOCATE TREES OR TALLER SHRUBS IN LOCATIONS WHERE THEY WILL BLOCK IRRIGATION HEADS AND PREVENT ADEQUATE COVERAGE. WHERE CALLED FOR, OBTAIN APPROVAL OF THE LANDSCAPE ARCHITECT FOR PLACEMENT OF TREES, SHRUBS OR OTHER ITEMS OF WORK.
7. ALL SHRUB HEADS ARE TO BE IN 6" POP-UP BODIES MINIMUM. ALL BUBBLERS TO BE ON SHORT NIPPLE RISERS 1" +/- ABOVE GRADE AND UNSTAKED. SHRUB CONFIGURATION HEADS ARE NOT ACCEPTABLE.
8. VALVE BOXES ARE TO BE LOCATED IN SHRUB AND GROUND COVER BEDS WHERE EVER POSSIBLE, AND AT LEAST 12" FROM THE EDGE OF THE BED.
9. IRRIGATION MAINLINES AND LATERALS THAT ARE SHOWN ON THE PLAN IN PAVED AREAS ARE TO BE LOCATED IN THE ADJACENT PLANTING AREA, 6" FROM THE EDGE OF PAVEMENT.
10. ALL CONTROL WIRES ARE TO BE IN CONDUIT PER SPECIFICATIONS.

IRRIGATION LEGEND

SYM Q	H	F	MFGR	MODEL #	GPM	RAD	PSI	DESCRIPTION
51	52	53	HUNTER	MP 1000/Q, H, F	.2, .4, .75	12'	40	ROTOR HEAD *
54	55	56	HUNTER	MP 1000/Q, H, F	.2, .4, .75	15'	40	ROTOR HEAD *
41	42	43	HUNTER	MP 2000/Q, H, F	.4, .75, 1.5	20'	40	ROTOR HEAD *
44	45	46	HUNTER	MP 3000/Q, H, F	.9, 1.8, 3.6	25'	40	ROTOR HEAD *
47	48	49	HUNTER	MP 3000/Q, H, F	.9, 1.8, 3.6	30'	40	ROTOR HEAD *

- 2" POTABLE WATER METER BY OTHERS. 84.5 PSI STATIC WATER PRESSURE
- WILKINS 2" - 975XLVSR SERIES BACKFLOW PREVENTER. ALL PIPING BETWEEN METER AND BACKFLOW DEVICE TO BE RED BRASS.
- BASELINE BLBHM-2.5" MASTER VALVE FLOW SENSOR
- DATA IND IR-220P 2.5" FLOW SENSOR - INSTALL PER MFGR'S SPECIFICATIONS
- CALSENSE TWO WIRE IRRIGATION CONTROLLER ASSEMBLY #1CA6-CS3-128/CS3-EN/65CS-2W-25T/CS-2W-P0C/CSTP-110/CS3-RB/FM-3/CS3-RR/COM-1YR-RR. INSTALL PER MANUFACTURER'S SPECIFICATIONS WITH DESIGNATED FULL BOX AND HUNTER MINI-CLIK RAIN SENSOR MOUNTED TO ENCLOSURE.
- WEATHERMATIC 820CR-XPR PRESSURE REGULATING REMOTE CONTROL VALVE - SIZE AS NOTED.
- RAINBIRD XCZ SERIES DRIP VALVE ASSEMBLY - SIZE AS NOTED.
- NIBCO Nt58570 THREADED 2 PIECE BRONZE BALL VALVE AT P.O.C. AND EACH RCV MANIFOLD - 2" AND SMALLER
- RAINBIRD 44LRC-NP-1" QUICK COUPLING VALVE - INSTALL PER PLAN IN 10" ROUND VALVE BOX WITH LOCKING COVER AND HEAT BRANDED WITH "QCV". INSTALL ON 1" STUB OUT FROM MAINLINE. INSTALL AT TOE OF SLOPE.
- RAINBIRD MDCFCAP FLUSH CAP VALVE
- RAINBIRD LD-06-12 DRIP TUBING W/.6 GPH EMITTERS 12" ON CENTER. INTALL TUBING ROWS A MAXIMUM OF 16" APART IN PLANTING AREAS. INSTALL WITH 90" WIRE STAKES FIVE (5) FEET ON CENTER. VERIFY LAYOUT AND SPACING IN THE FIELD PRIOR TO STARTING WORK.
- RAINBIRD MDCF FITTINGS FOR CONNECTIONS BETWEEN PVC HEADER LINES AND DRIP TUBING
- PWP PVC MAINLINE - 1" - 2" SCH 40; 2 1/2" AND LARGER CLASS 315 - SIZE AS NOTED
- PWP PVC LATERAL - BELOW GRADE - SIZE AS NOTED
- PWP CLASS 315 PVC SLEEVE - SIZE AS NOTED OR TWICE PIPE SIZE CARRIED WITHIN

CONTROLLER & STATION NUMBER
GALLONS PER MINUTE
VALVE SIZE

*ALL SHRUB HEADS ADJACENT TO CURBS, STREETS, SIDEWALKS, PATHWAYS AND TRAFFICKED WAYS SHALL BE IN 12" POP-UP BODIES MINIMUM. ALL OTHERS MAY BE IN SHRUB CONFIGURATION.

NOTE:

CONTRACTOR SHALL INSTALL INLINE SWING AND SPRING CHECK VALVES AS REQUIRED TO ELIMINATE LOW HEAD DRAINAGE ON ALL ROTOR, SPRAY, BUBBLER AND DRIP SYSTEMS.

CONTRACTOR SHALL ENSURE EXISTING SYSTEM INTEGRITY DURING CONSTRUCTION. ALL EXISTING IRRIGATION SHALL BE ADJUSTED TO MATCH NEW PLANTING LAYOUT AND NEW SYSTEM BOUNDARIES. CONTRACTOR SHALL EXTEND EXISTING IRRIGATION INTO NEW AREAS AS NEEDED.

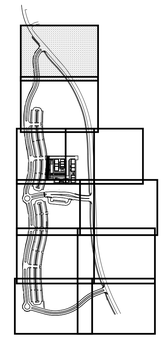
SEE SHEET L-6.1 FOR IRRIGATION DETAILS

NORTH

0 5 10 20
SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



NORTH

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 2240
09.14.17
RENEWAL
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9043
FAX. 619.294.9038
www.dpalaspe.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS. FLS. SSS.
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

REGISTERED ARCHITECT
GRAHAM E. GLADDEN
NO. C-32437
EXP. REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.1
Date: 10/06/2017	

17-001

DSA SUBMITTAL

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

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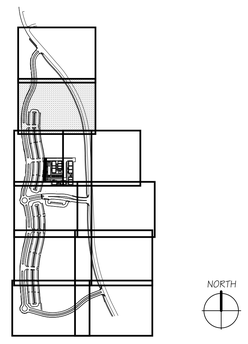

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
4945
EXPIRES 10-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 2305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

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Project Title

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Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

LICENSED ARCHITECT
KEE E. GEE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.2
Date: 10/06/2017	

17-001

PLEASE RECYCLE

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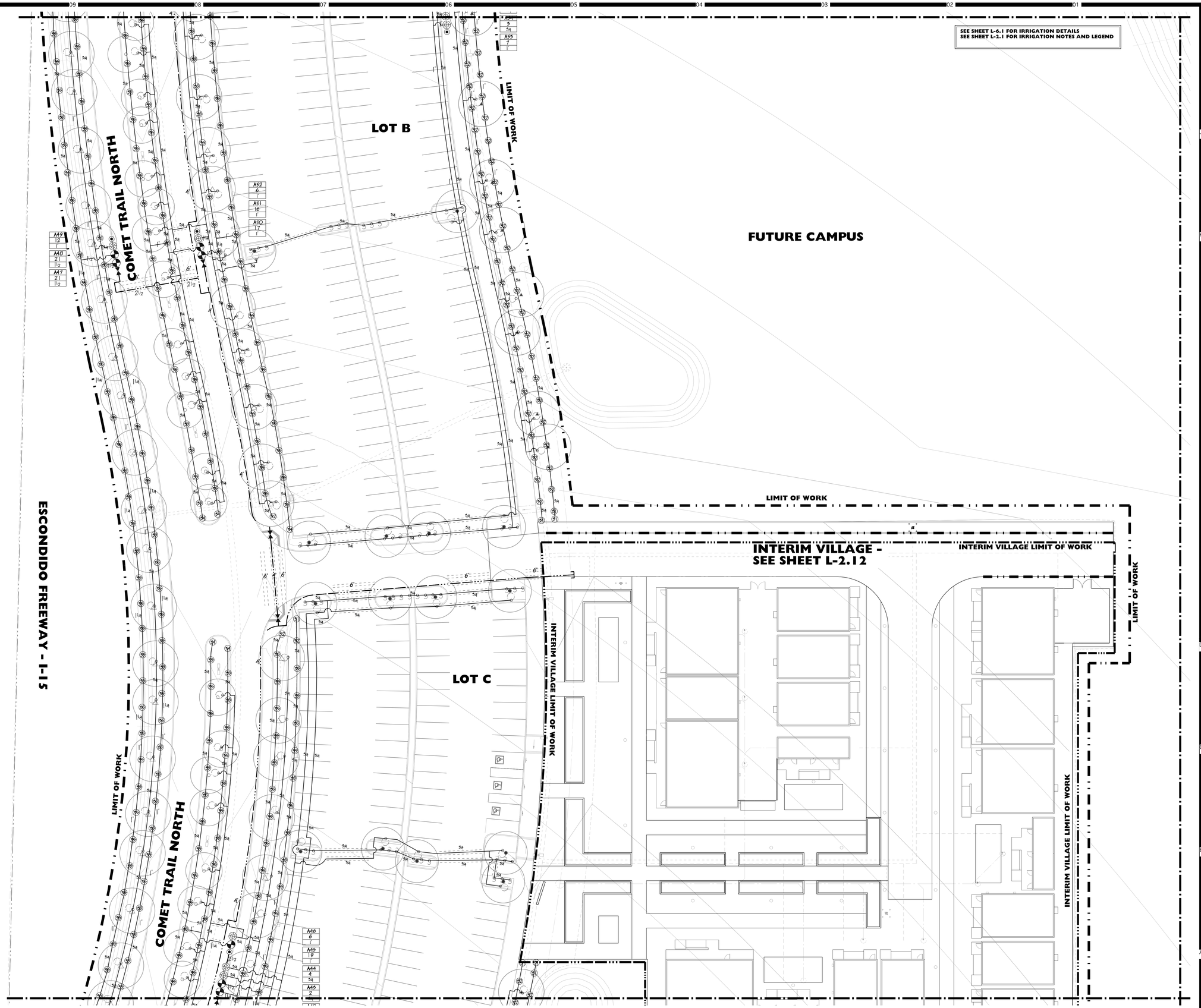

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T 909 989 9979 / www.hmcarchitects.com

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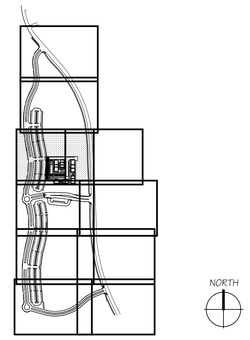

Consultant Seal

JON L. POWELL
431445
EXPIRES 01/2017
09.14.17
DATE
REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
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3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
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Learning for Success

Palomar North Education Center - Interim Village

Palomar College

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Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

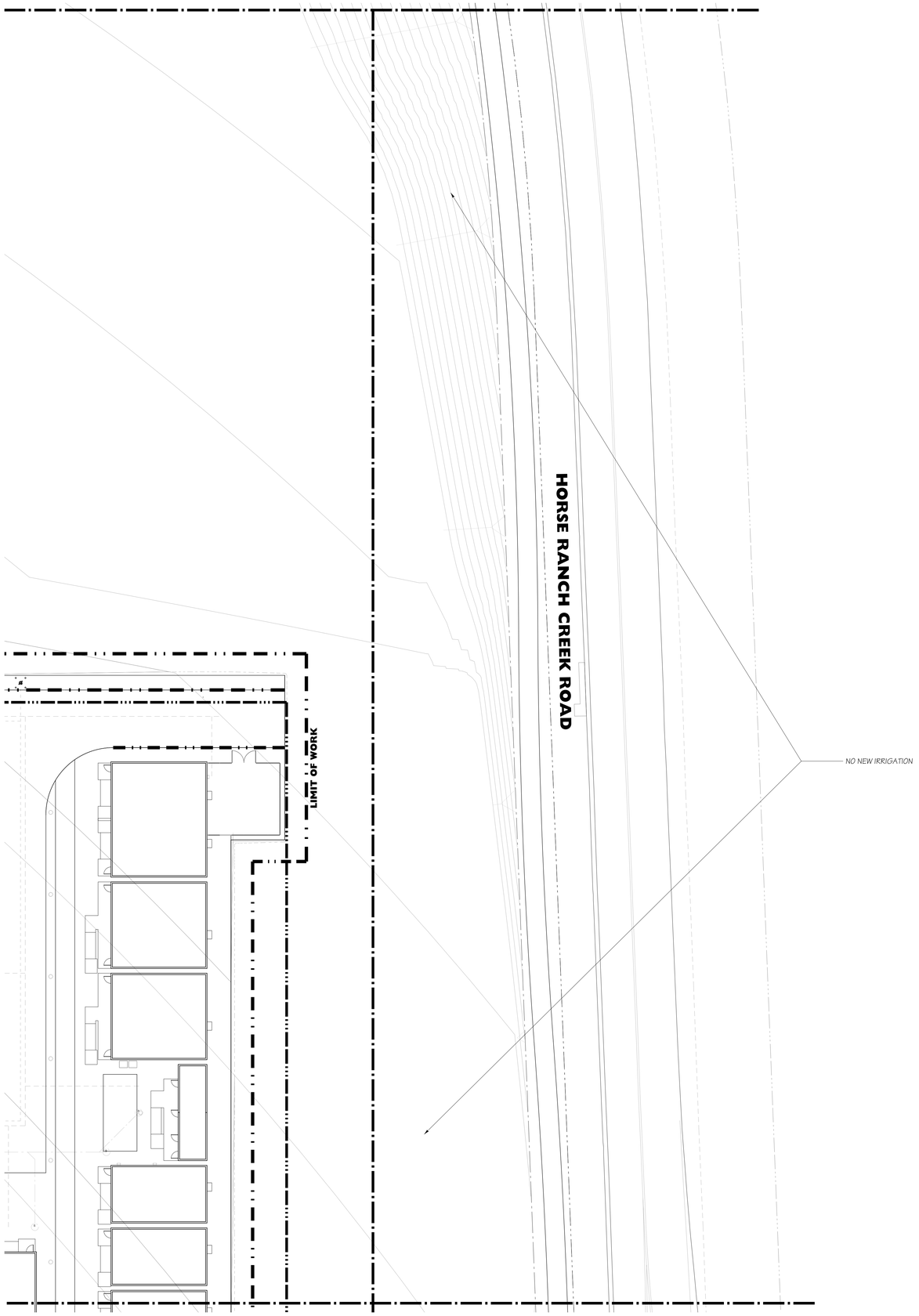
LICENSED ARCHITECT
KYLE E. GRIFFIN
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.3
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

17-001



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map

Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS ____ FLS ____ SSS ____

DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

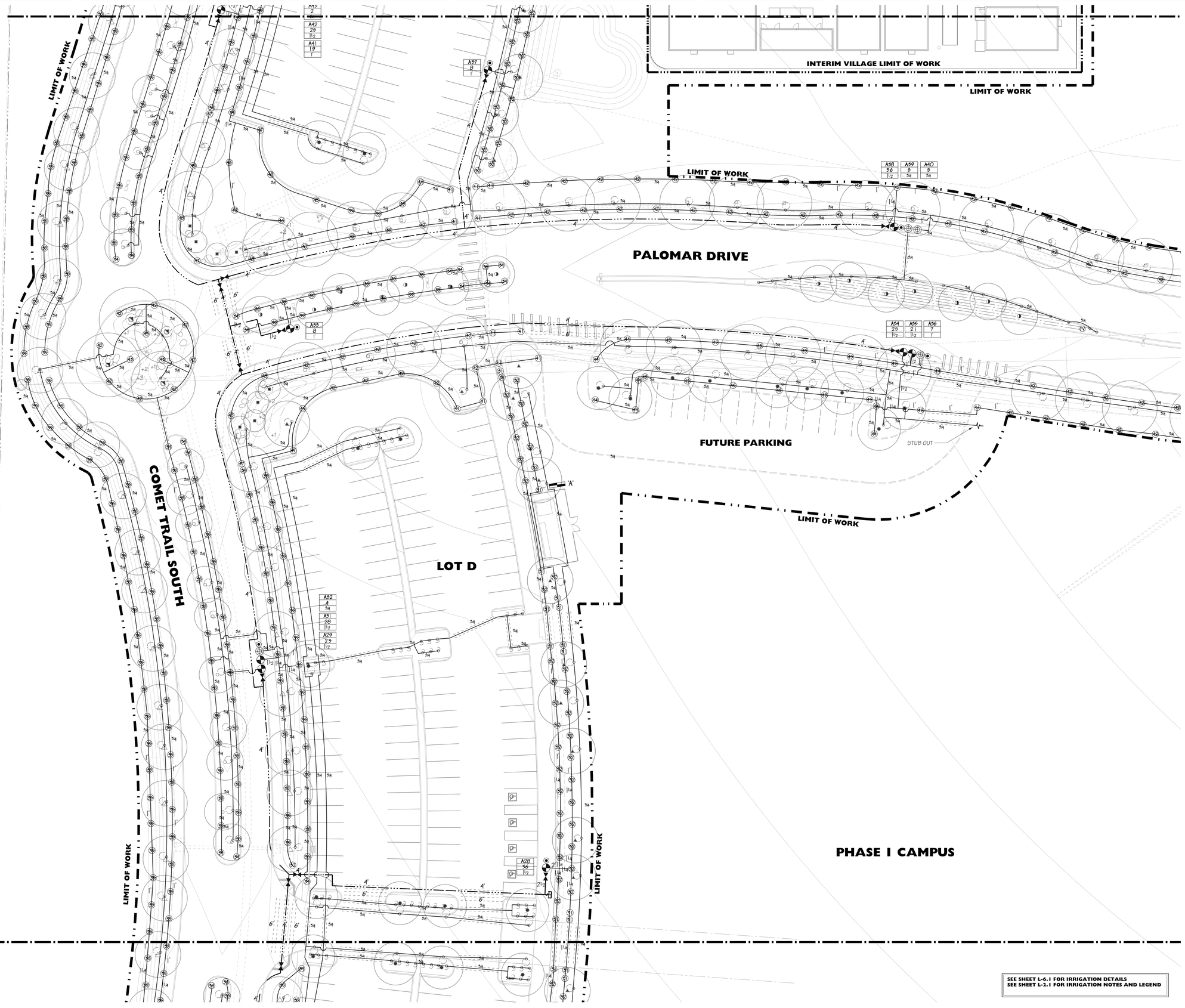
Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.4
Date: 10/06/2017	

17-C01

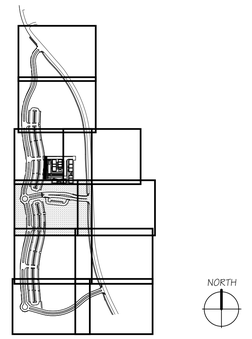
PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 3247
EXPIRES: 12-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9062 3305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS..... FLS..... SSS.....

DATE .....

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

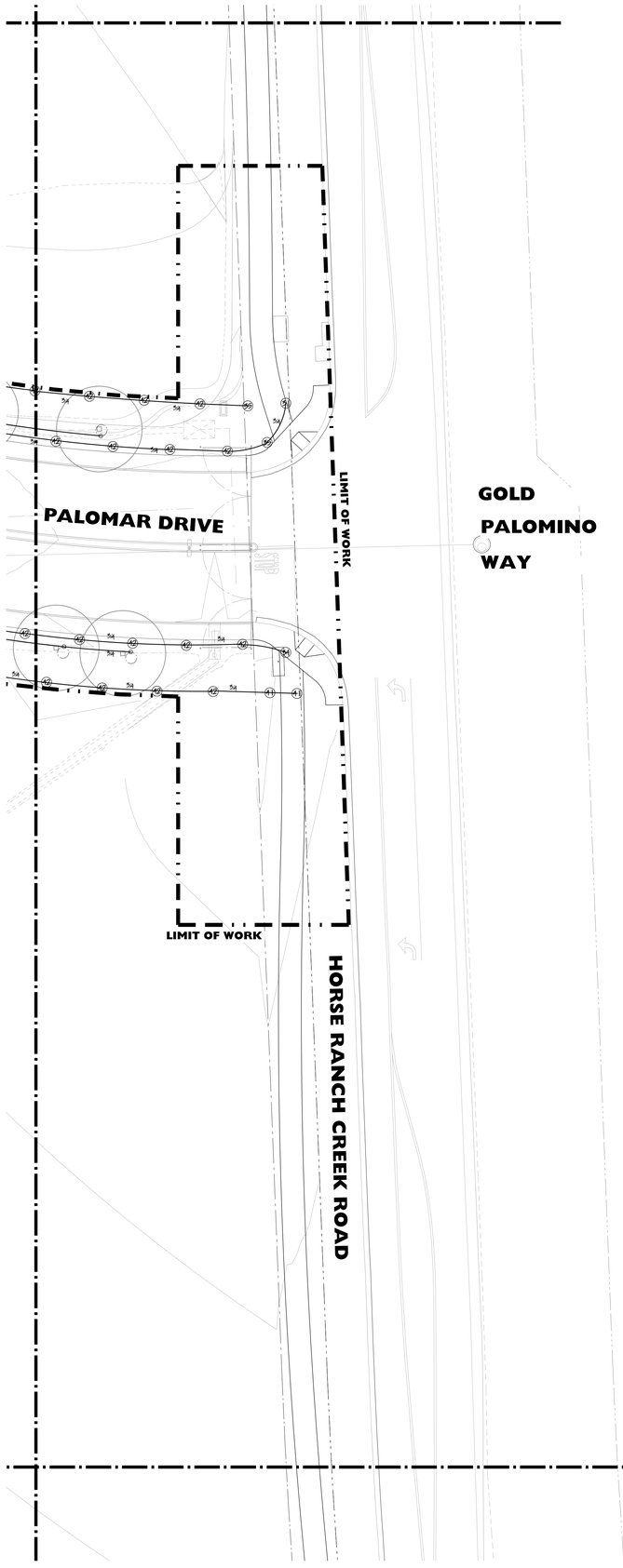
LICENSED ARCHITECT
ARCHIE E. GLOVER
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.5
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

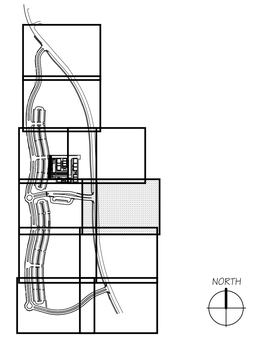
07-001



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

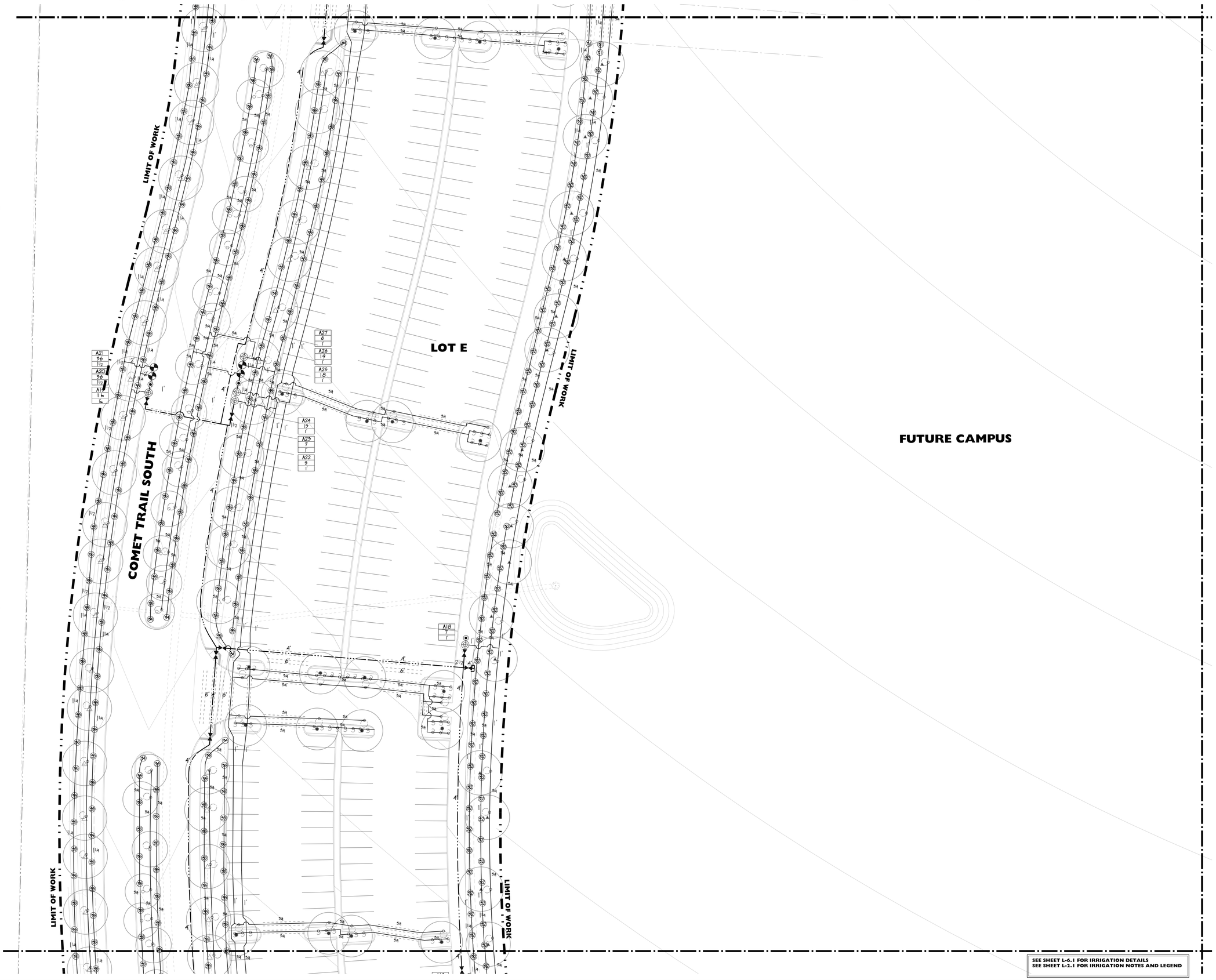
IRRIGATION PLAN

Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-2.6
Date: 10/06/2017	

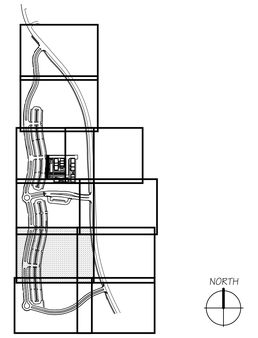
17-001

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 5979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4346
EXPIRES: 01-31-07
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

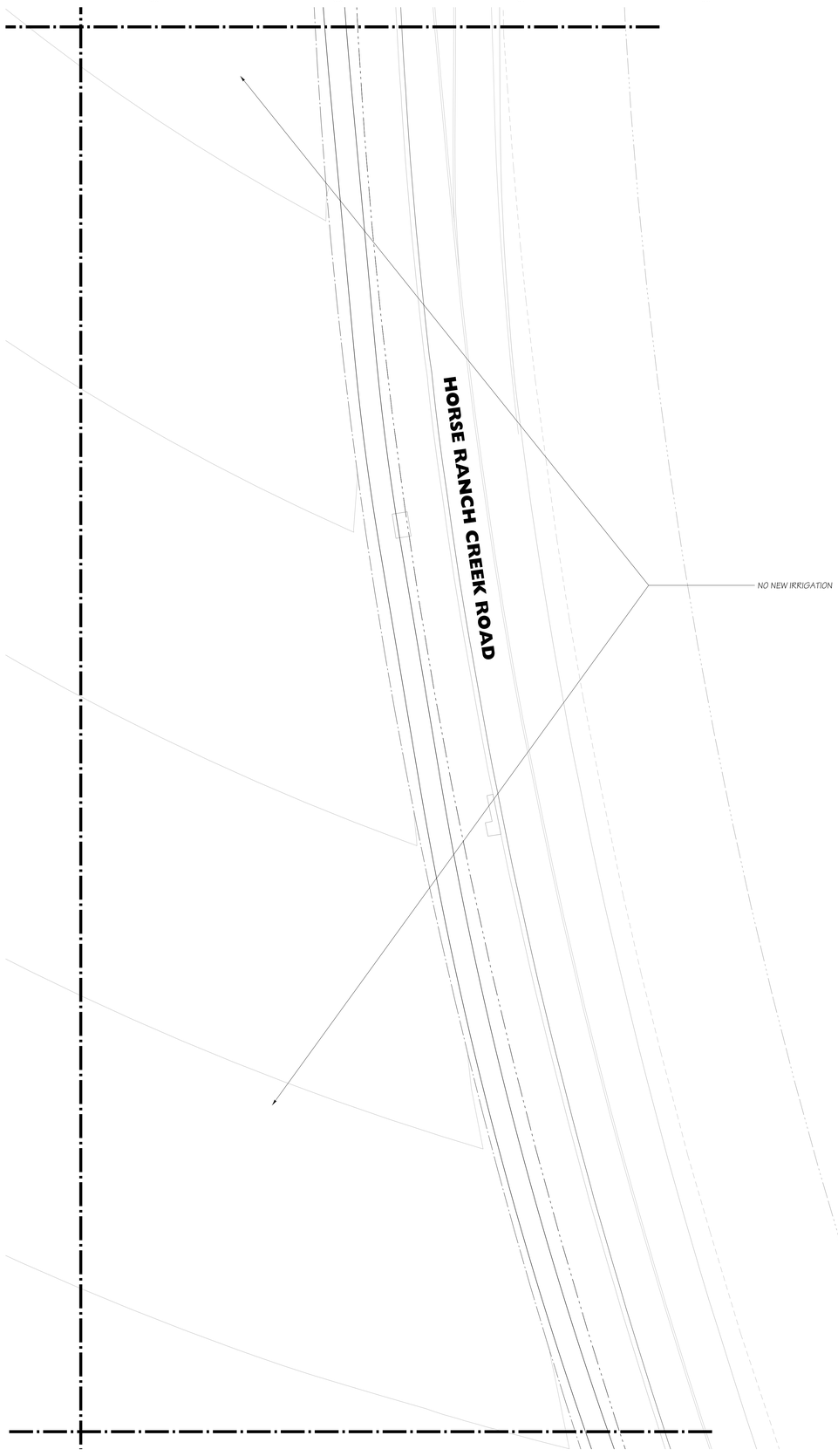
LICENSED ARCHITECT
BRADLEY E. GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.7
Date: 10/06/2017	

17-001

PLEASE RECYCLE

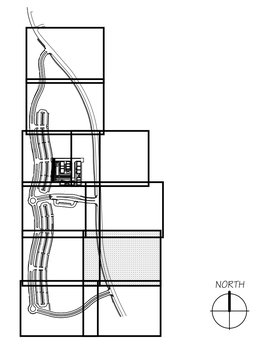
DSA SUBMITTAL



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 5015
EXPIRES 01/31/19
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9062 3302 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

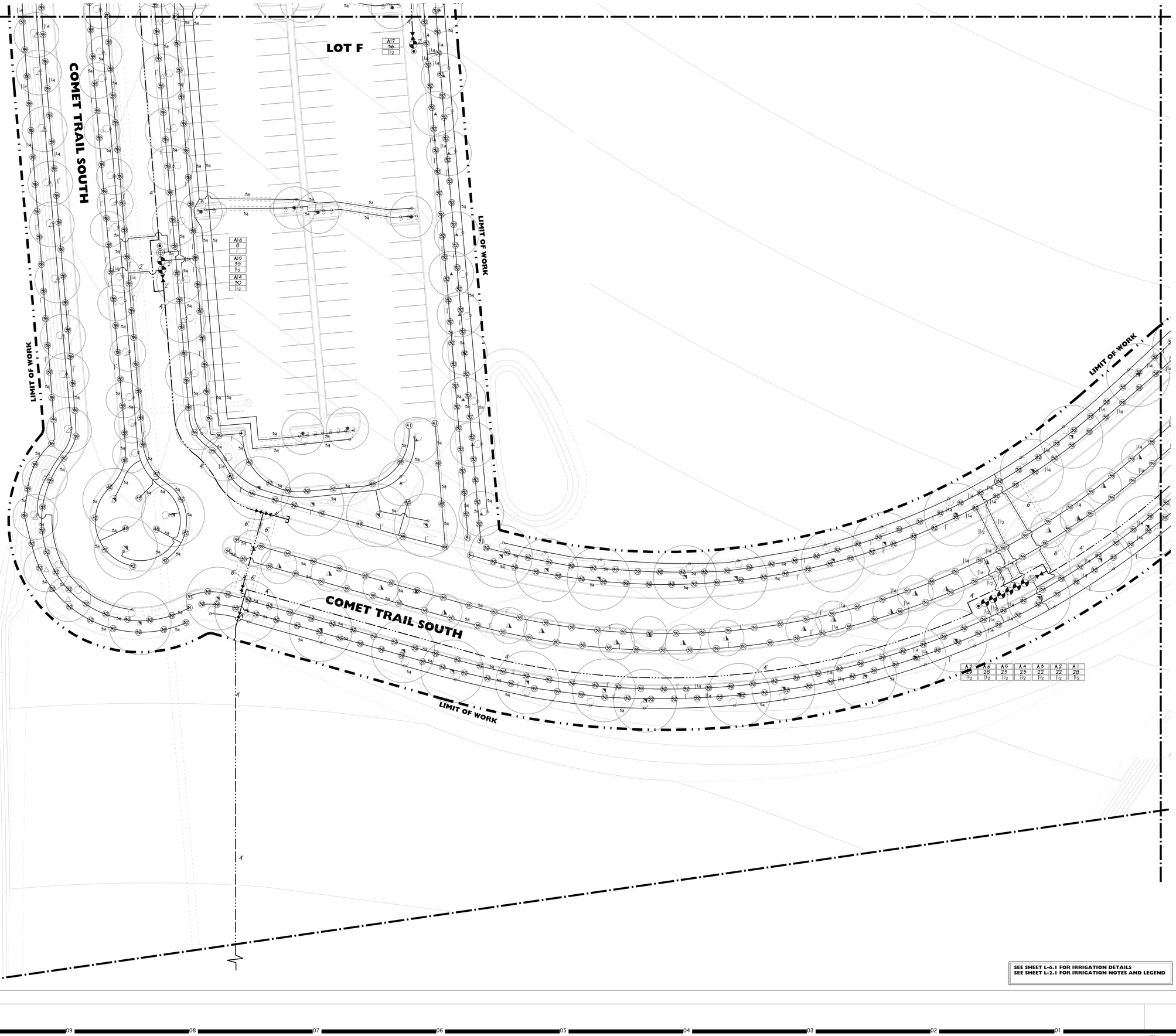
LICENSED ARCHITECT
KEE E. GIL
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.8
Date: 10/06/2017	

17-001

PLEASE RECYCLE

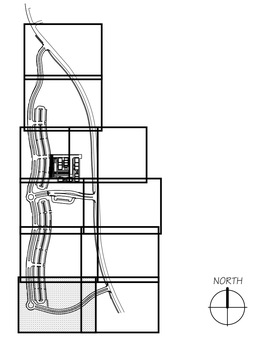
DSA SUBMITTAL



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4040
EXPIRES 31/2017
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

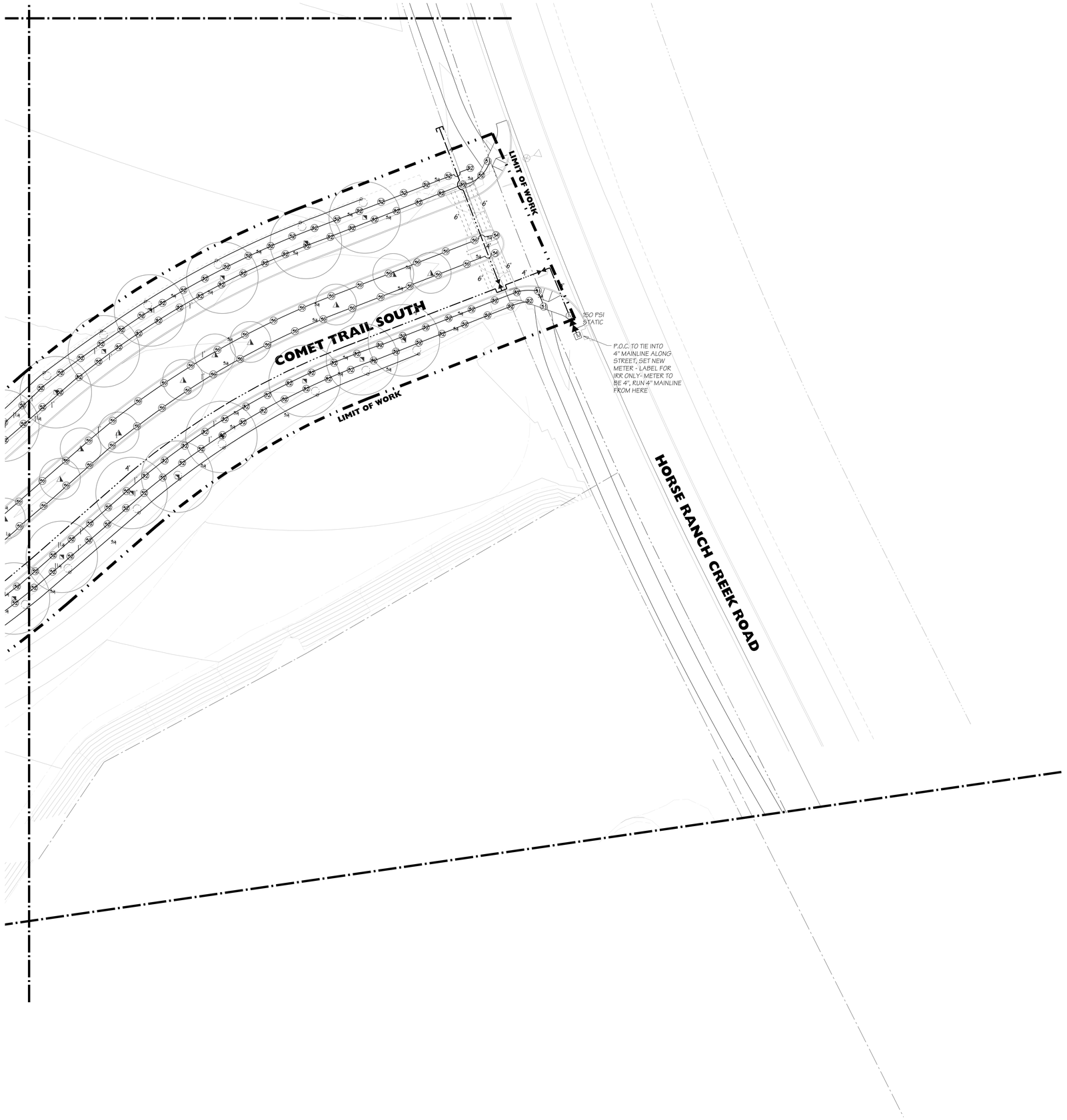
REGISTERED ARCHITECT
STEVE GLANCY
No. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.9
Date: 10/06/2017	

17-001

PLEASE RECYCLE

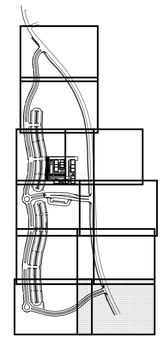
DSA SUBMITTAL



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 3305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE ____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

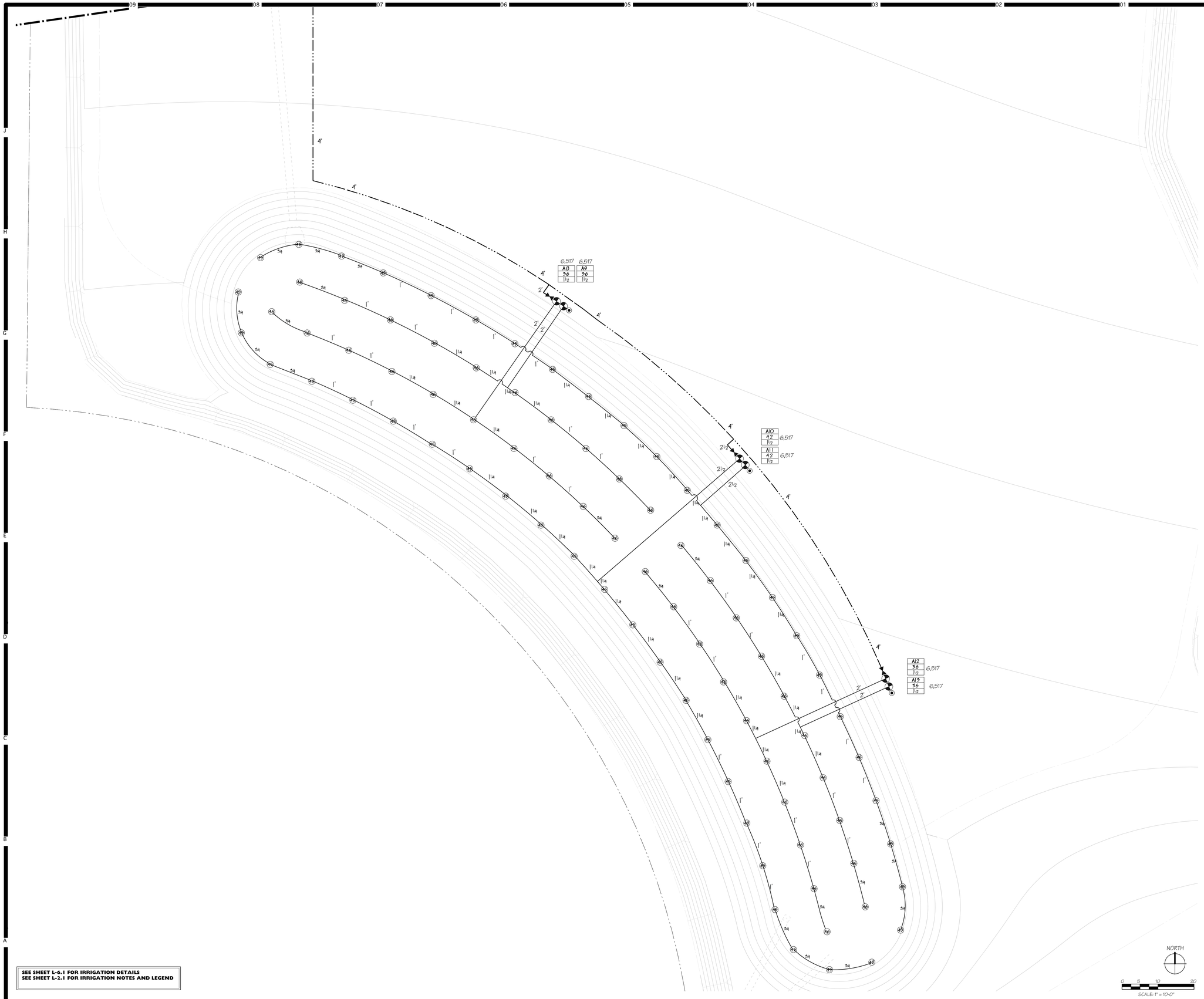
Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. **L-2.10**
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



SEE SHEET L-6.1 FOR IRRIGATION DETAILS
SEE SHEET L-2.1 FOR IRRIGATION NOTES AND LEGEND

HMC Architects
3546 Concours Street / Ontario, CA 91764
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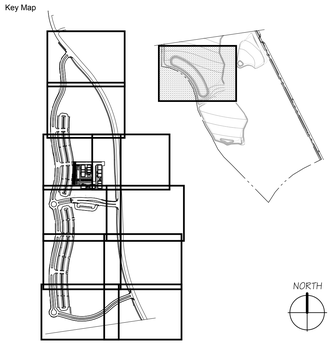
Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 2645
EXPIRES: 01-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc
TEL. 619.294.9042
FAX. 619.294.9038
www.dpadesign.com
3202 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION PLAN

Architect's Seal

LICENSED ARCHITECT
REGINALD E GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-2.11
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

17-201

CONNECT NEW MAINLINE TO EXISTING MAINLINE RUNNING ALONG HORSE RANCH CREEK ROAD.

IRRIGATION LEGEND

SYM	MFGR	MODEL #	DESCRIPTION
	HUNTER	I CORE 600SS	IRRIGATION CONTROLLER WITH 5 ICM-600 MODULES, INSTALL PER MANUFACTURER'S SPECIFICATIONS WITH DESIGNATED PULL BOX AND HUNTER MINI-CLIK RAIN SENSOR MOUNTED TO ENCLOSURE.
	WEATHERMATIC	820CR-XPR	PRESSURE REGULATING REMOTE CONTROL VALVE - SIZE AS NOTED.
	RAINBIRD	XCZ	SERIES DRIP VALVE ASSEMBLY - SIZE AS NOTED.
	NIBCO		
	RAINBIRD	44LRC-NP-1"	QUICK COUPLING VALVE - INSTALL PER PLAN IN 10" ROUND VALVE BOX WITH LOCKING COVER AND HEAT BRANDED WITH "QCV". INSTALL ON 1" STUB OUT FROM MAINLINE. INSTALL AT TOE OF SLOPE.
FV	RAINBIRD		
	RAINBIRD	LD-06-12	DRIP TUBING W/.6 GPH EMITTERS 12" ON CENTER. INTALL TUBING ROWS A MAXIMUM OF 16" APART IN PLANTING AREAS. INSTALL WITH 90° WIRE STAKES FIVE (5) FEET ON CENTER. VERIFY LAYOUT AND SPACING IN THE FIELD PRIOR TO STARTING WORK
	RAINBIRD		
	PWP		
	PWP		PVC LATERAL - BELOW GRADE - SIZE AS NOTED
	PWP		

CONTROLLER & STATION NUMBER
GALLONS PER MINUTE
VALVE SIZE

NOTE: CONTRACTOR SHALL INSTALL INLINE SWING AND SPRING CHECK VALVES AS REQUIRED TO ELIMINATE LOW HEAD DRAINAGE ON ALL ROTOR, SPRAY, BUBBLER AND DRIP SYSTEMS.

CONTRACTOR SHALL ENSURE EXISTING SYSTEM INTEGRITY DURING CONSTRUCTION. ALL EXISTING IRRIGATION SHALL BE ADJUSTED TO MATCH NEW PLANTING LAYOUT AND NEW SYSTEM BOUNDARIES. CONTRACTOR SHALL EXTEND EXISTING IRRIGATION INTO NEW AREAS AS NEEDED.

RESTROOMS
ADMIN. BUILDING
RESTROOMS
REST ROOMS

Key Map

NORTH

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Consultant Seal
REGISTERED LANDSCAPE ARCHITECT · JON L. POWELL · No. 2240 · EXPIRES: 8-31-17 · STATE OF CALIFORNIA · 09.14.17 Date

Consultant
Deneen Powell Atelier, Inc.
TEL. 619.294.9042 FAX. 619.294.9028 www.dpadesign.com
2305 EL CAJON BLVD. SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
IRRIGATION PLAN- INTERIM VILLAGE

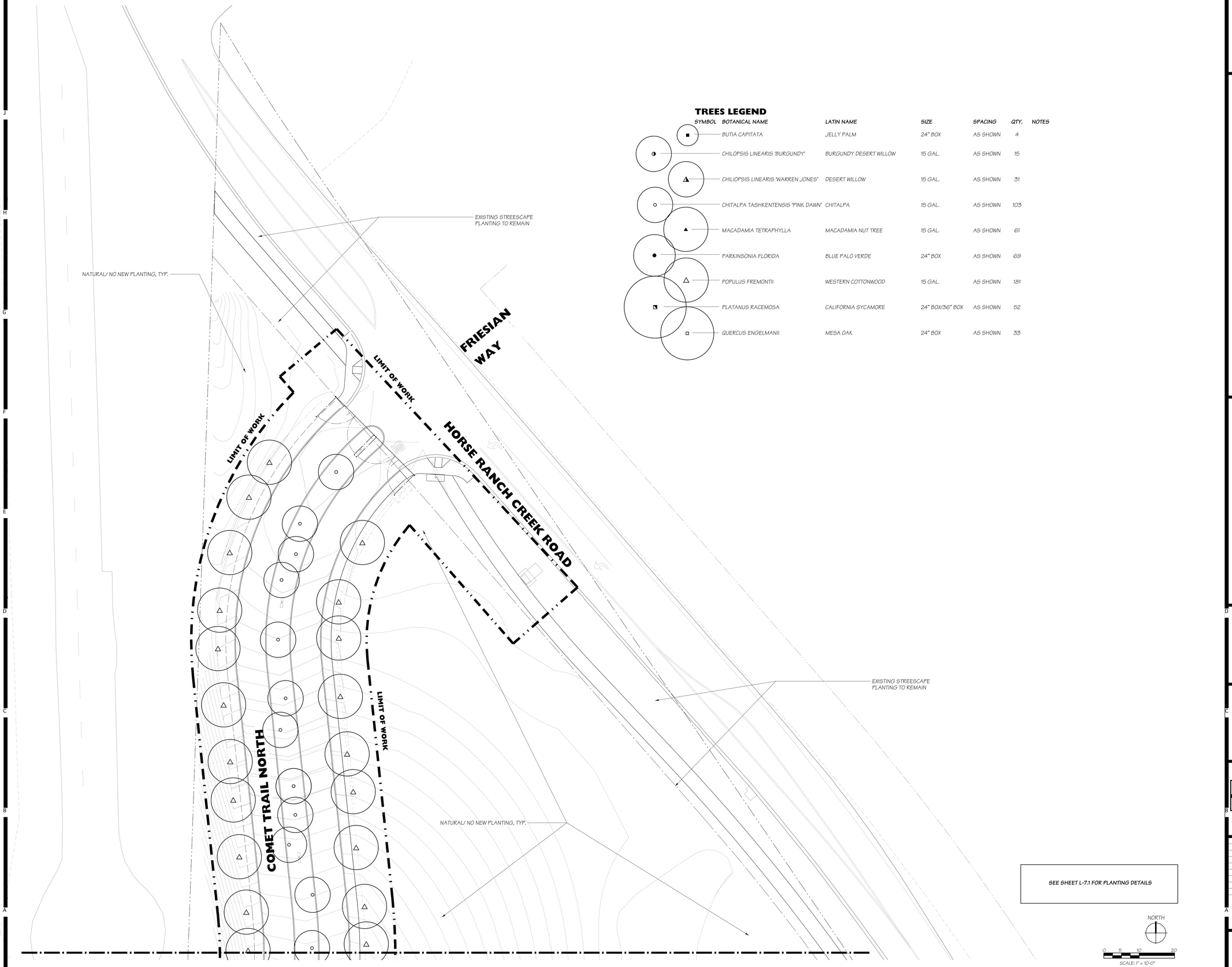
Architect's Seal
LICENSED ARCHITECT · JEFFREY E. GLASS · NO. C-32437 · REN. 02-28-19 · STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=10'-0"
QAQC	Drawing No. L-2.12
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



TREES LEGEND

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
■	BUTIA CAPITATA	JELLY PALM	24" BOX	AS SHOWN	4	
◑	CHILOPSIS LINEARIS 'BURGUNDY'	BURGUNDY DESERT WILLOW	15 GAL.	AS SHOWN	15	
◭	CHILIOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW	15 GAL.	AS SHOWN	31	
○	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA	15 GAL.	AS SHOWN	103	
▲	MACADAMIA TETRAPHYLLA	MACADAMIA NUT TREE	15 GAL.	AS SHOWN	61	
●	PARKINSONIA FLORIDA	BLUE PALO VERDE	24" BOX	AS SHOWN	69	
△	POPULUS FREMONTII	WESTERN COTTONWOOD	15 GAL.	AS SHOWN	181	
◪	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	24" BOX/36" BOX	AS SHOWN	52	
□	QUERCUS ENGELMANII	MESA OAK	24" BOX	AS SHOWN	33	

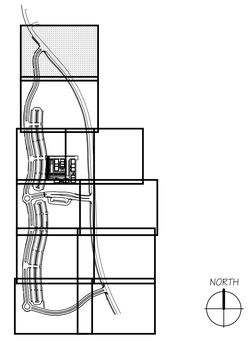
SEE SHEET L-7.1 FOR PLANTING DETAILS

NORTH

SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 3240
09.14.17
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9043
FAX. 619.294.9038
www.dpalaw.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

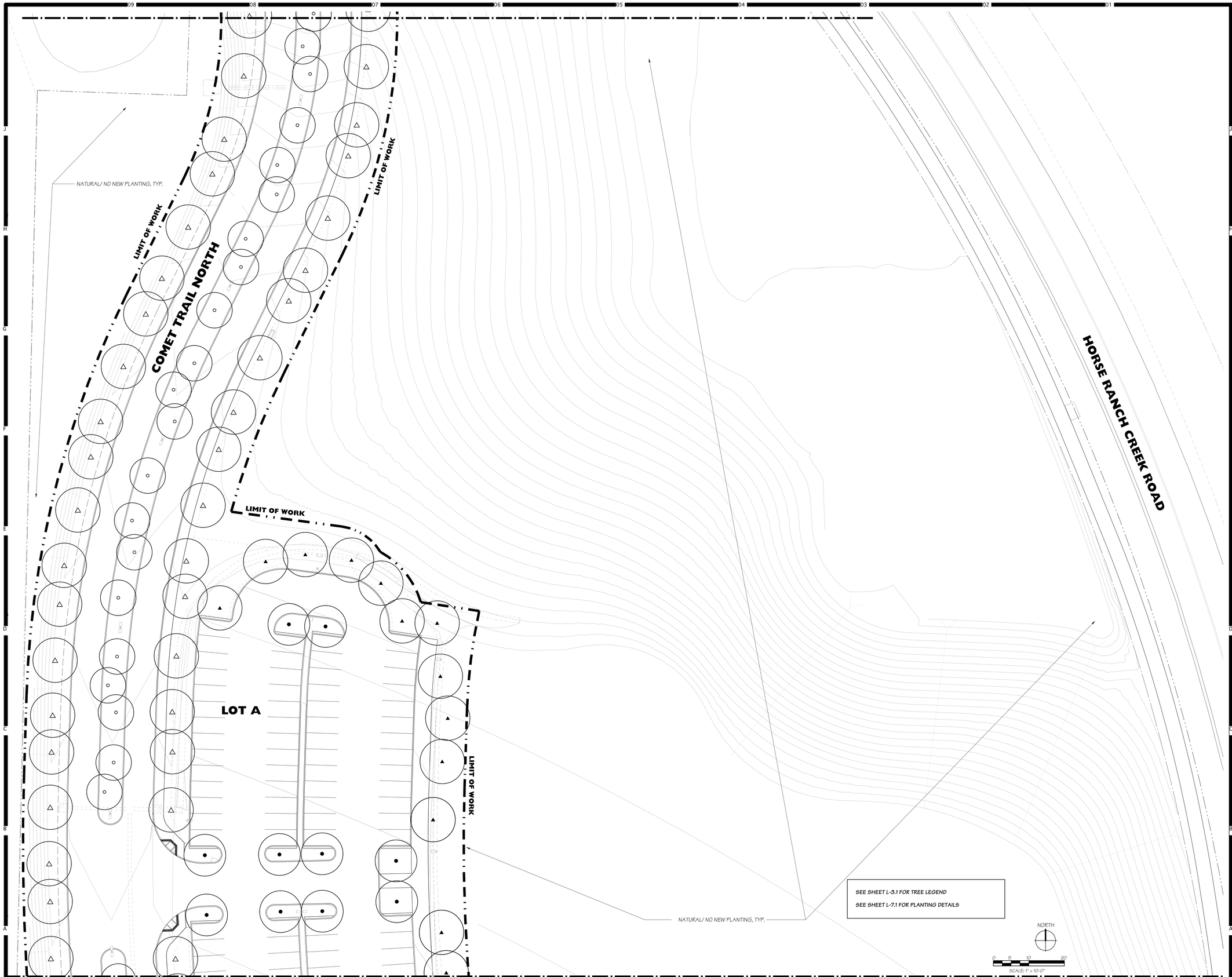
Architect's Seal

LICENSED ARCHITECT
GRAHAM E. CLARKE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.1
Date: 10/06/2017	

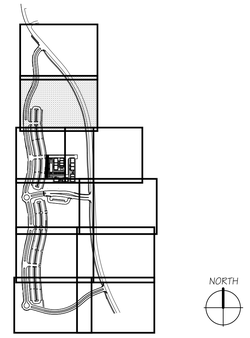
17-001

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 10-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpalaw.com
3205 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTINGPLAN

Architect's Seal

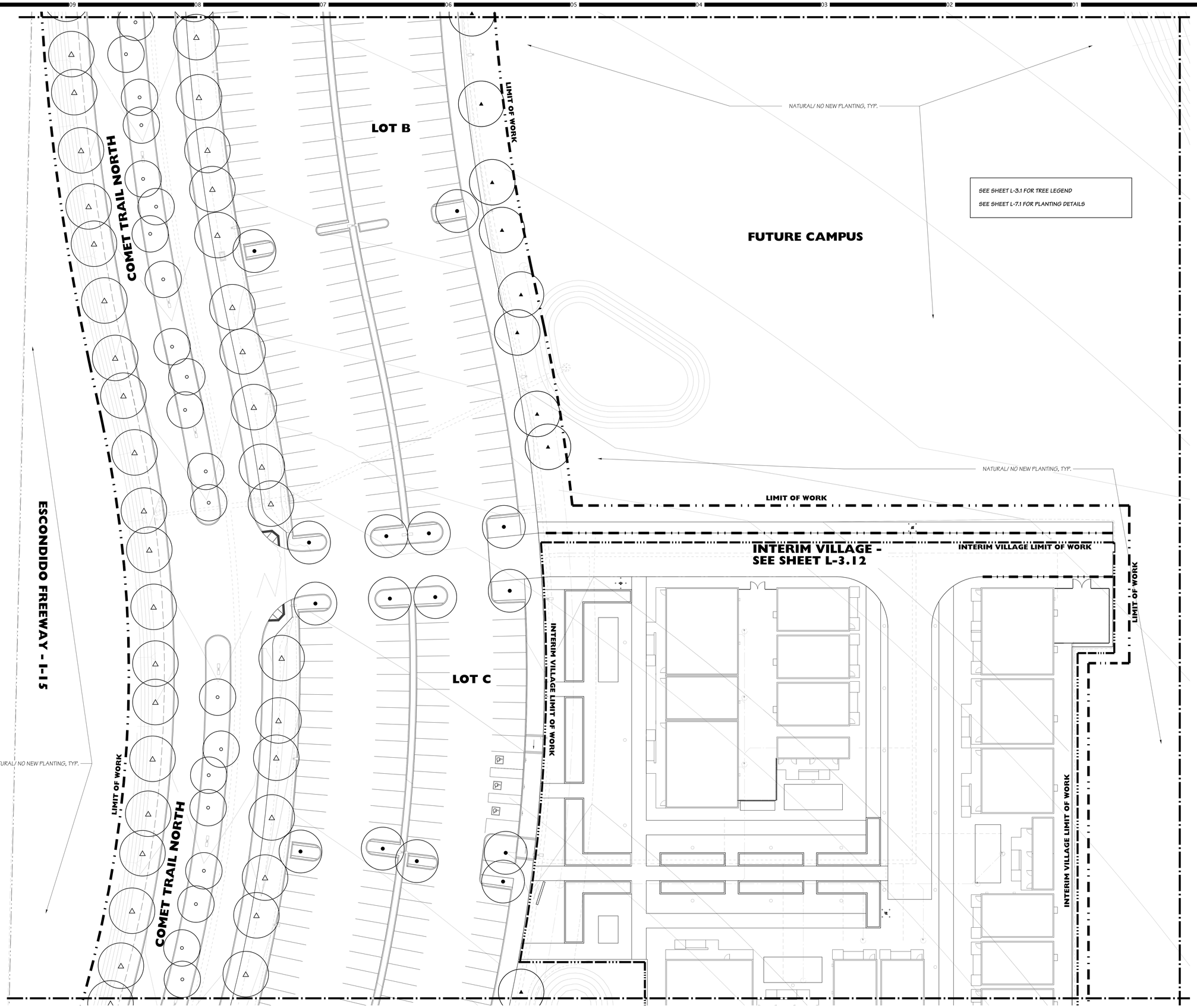
REGISTERED ARCHITECT
KEVIN E. GRIFFIN
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-3.2
Date: 10/06/2017	

17-001

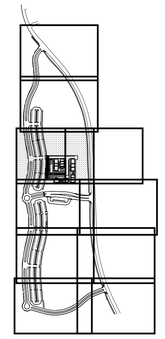
PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 8/31/17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpateliers.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS. FLS. SSS.
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

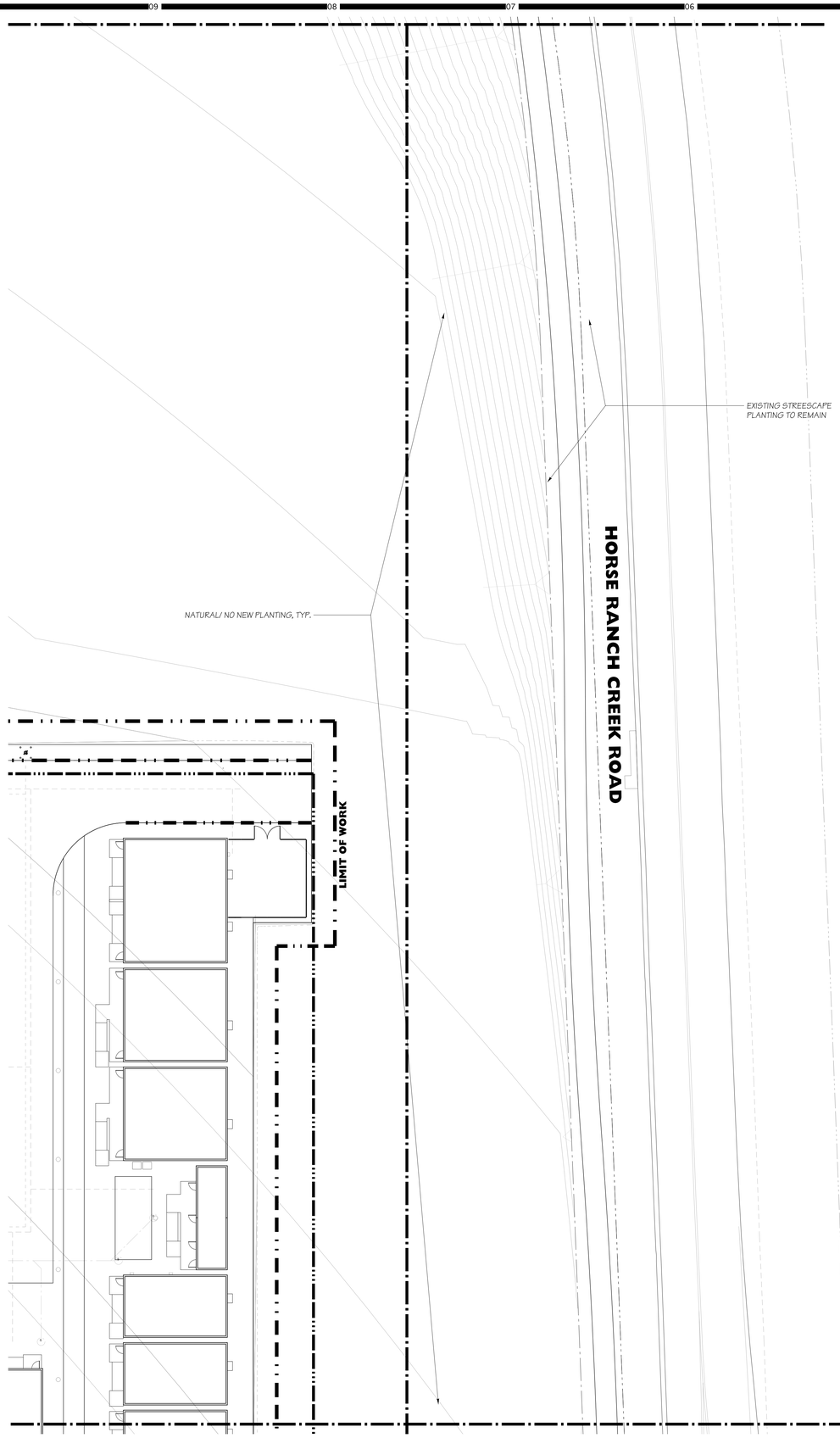
LICENSED ARCHITECT
KRAIG E. GLADE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.3
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

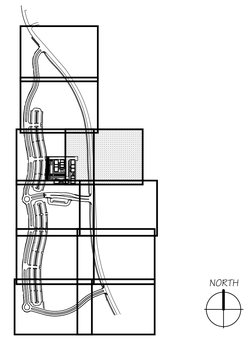


SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 2649
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS ____ FLS ____ SSS ____

DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

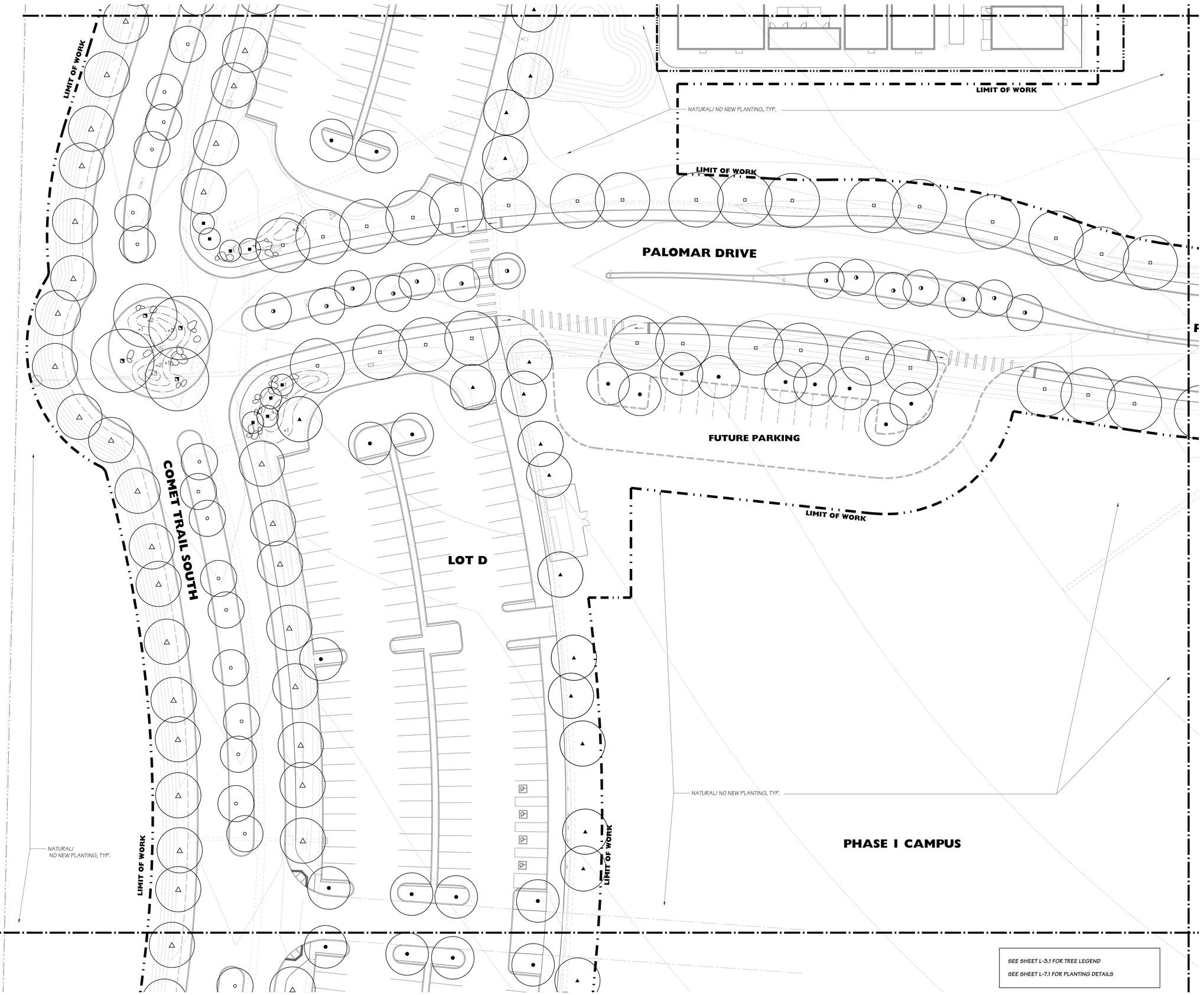
LICENSED ARCHITECT
STEVEN E. GLASER
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.4
Date: 10/06/2017	

17-C01

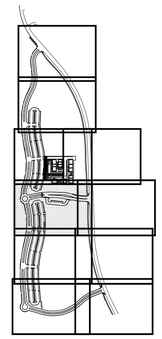
PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES
OCTOBER 31, 2017
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.8062
FAX. 619.294.9658
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

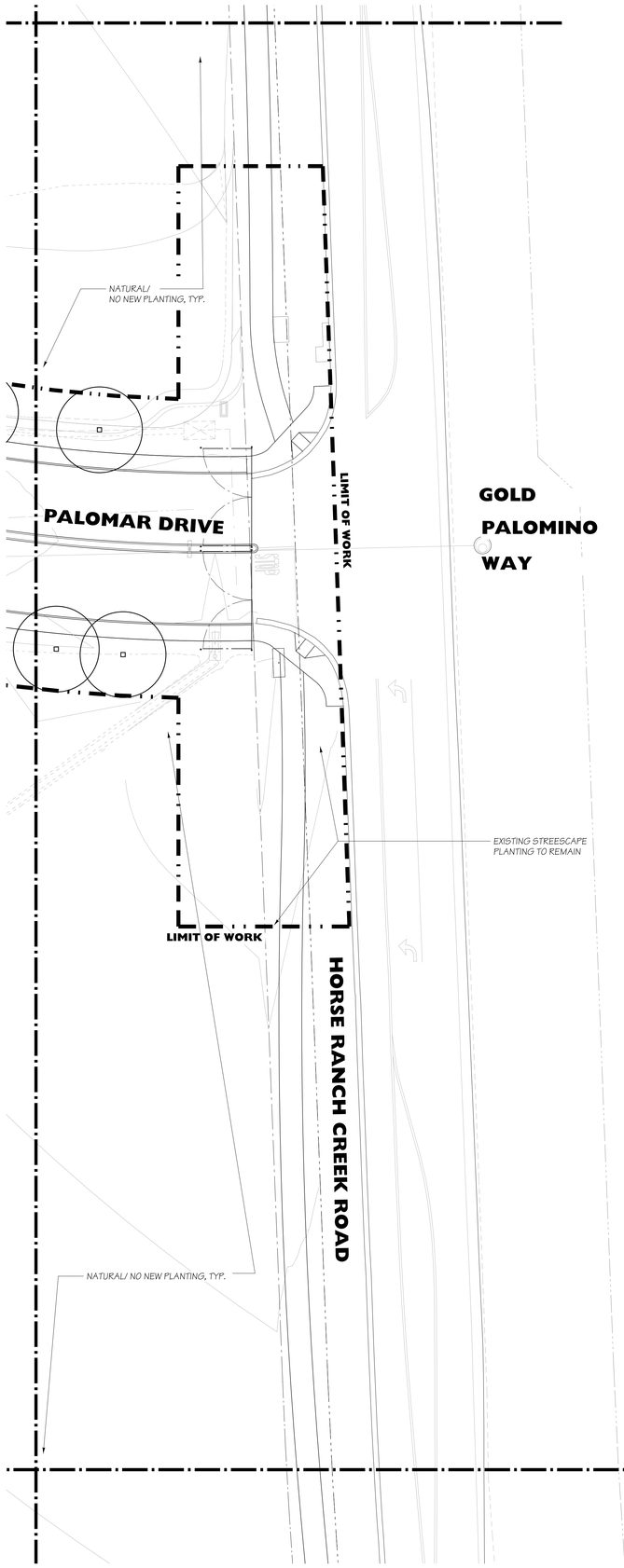
LICENSED ARCHITECT
GREGORY E. GLASS
NO. C-32437
EXP. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.5
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

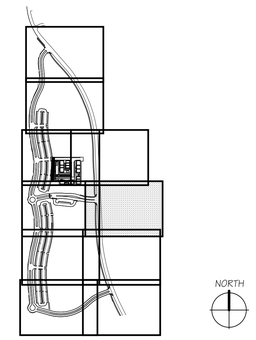


SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

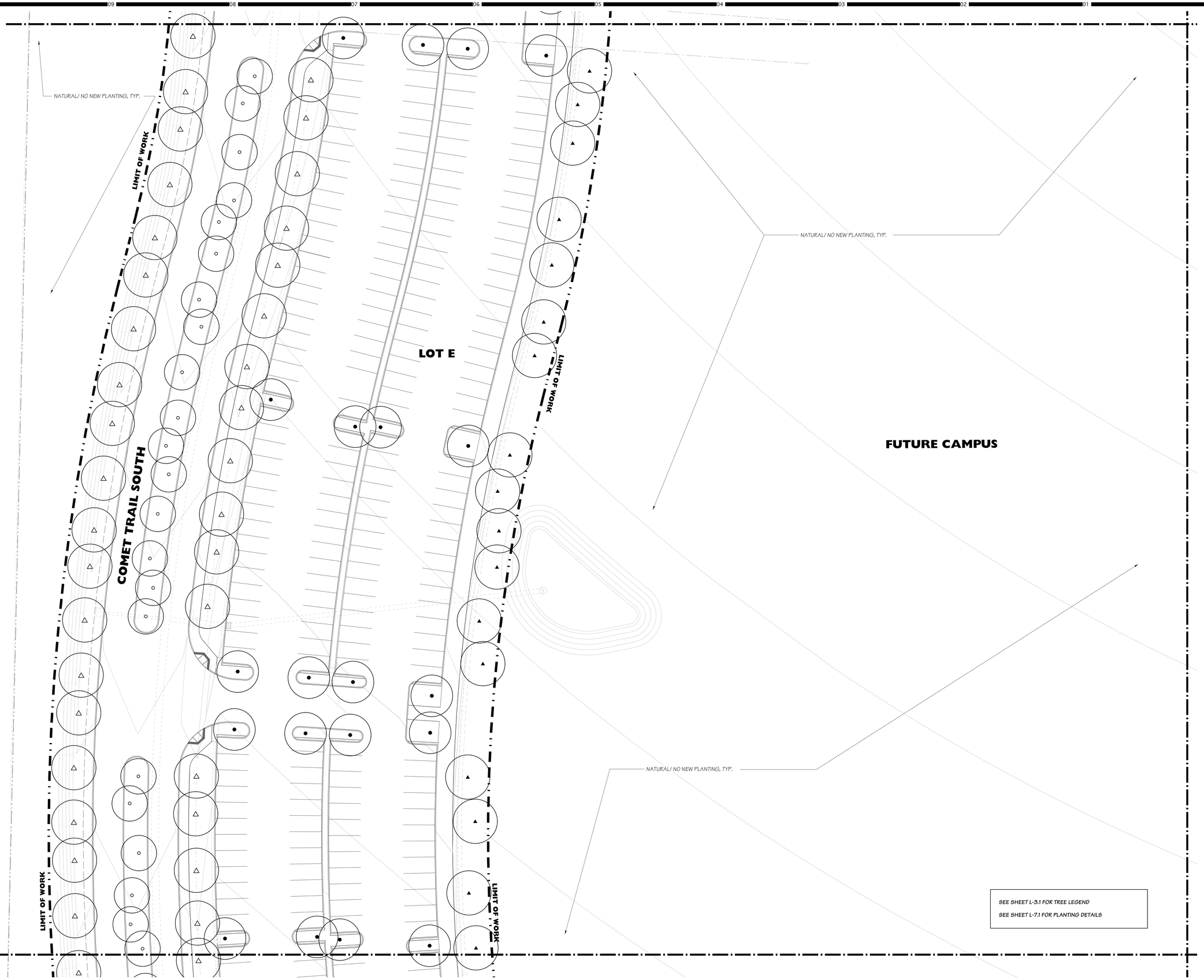
TREE PLANTING PLAN

Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-3.6
Date: 10/06/2017	

17-001

DSA SUBMITTAL



SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
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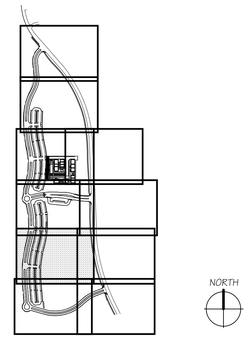
Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
09.14.17
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS. FLS. SSS.

DATE

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

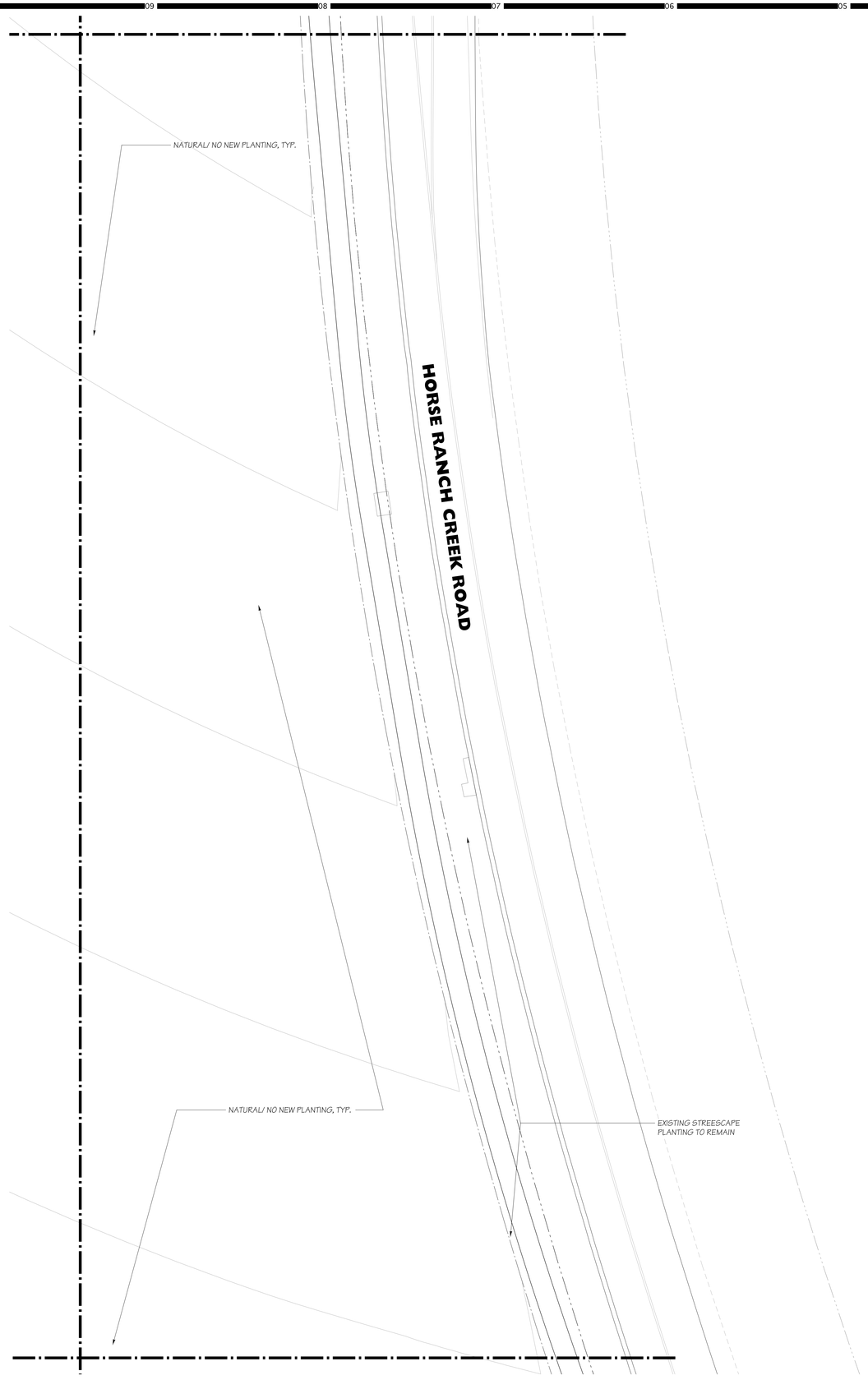
LICENSED ARCHITECT
BRADLEY E. GLAVOR
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.7
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

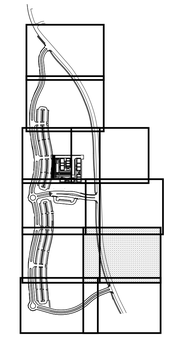


SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 01/31/19
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3302 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

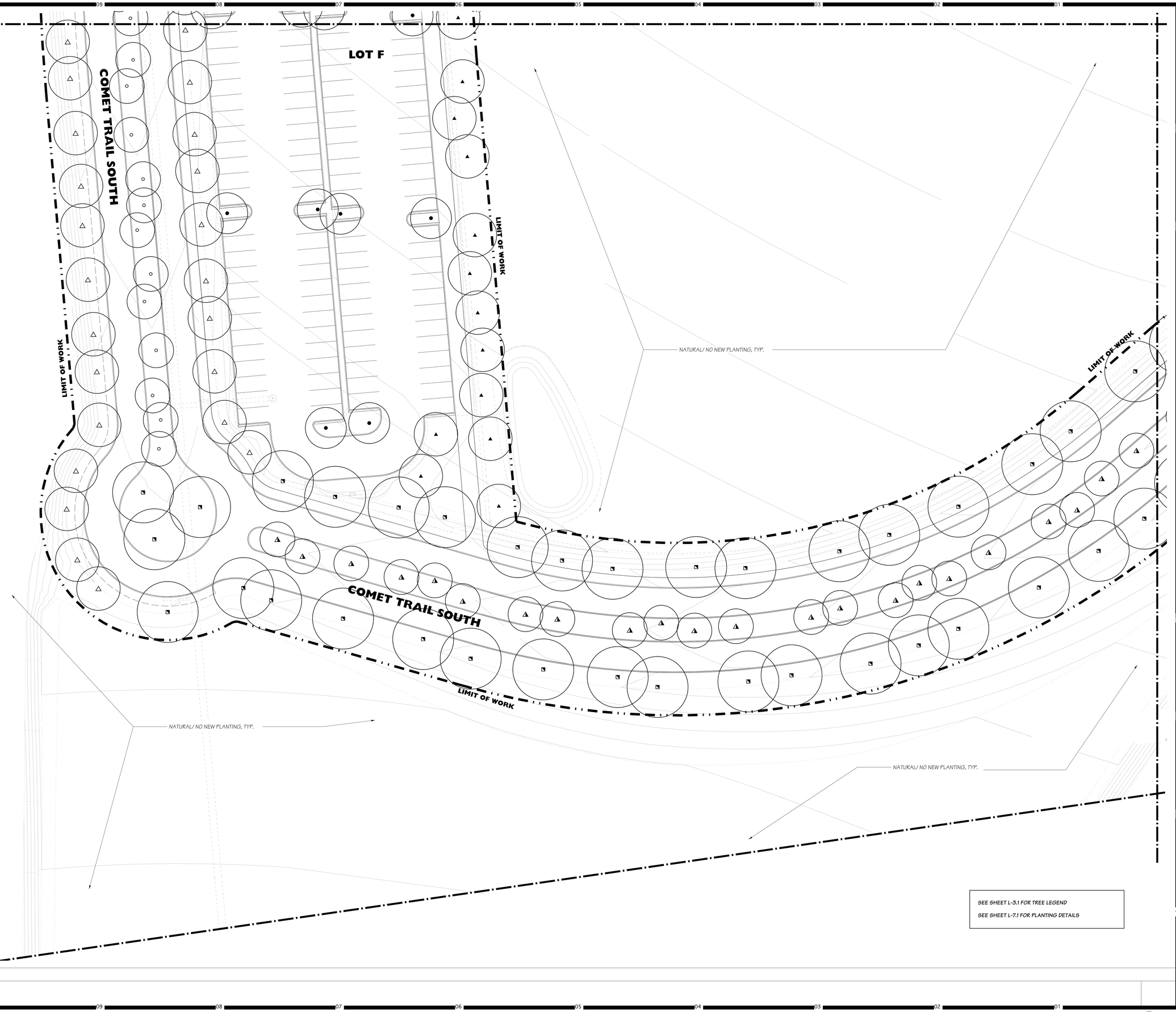
LICENSED ARCHITECT
KEVIN E. GARRETT
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. **L-3.8**
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4040
EXPIRES 11/30/17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS FLS SSS

DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

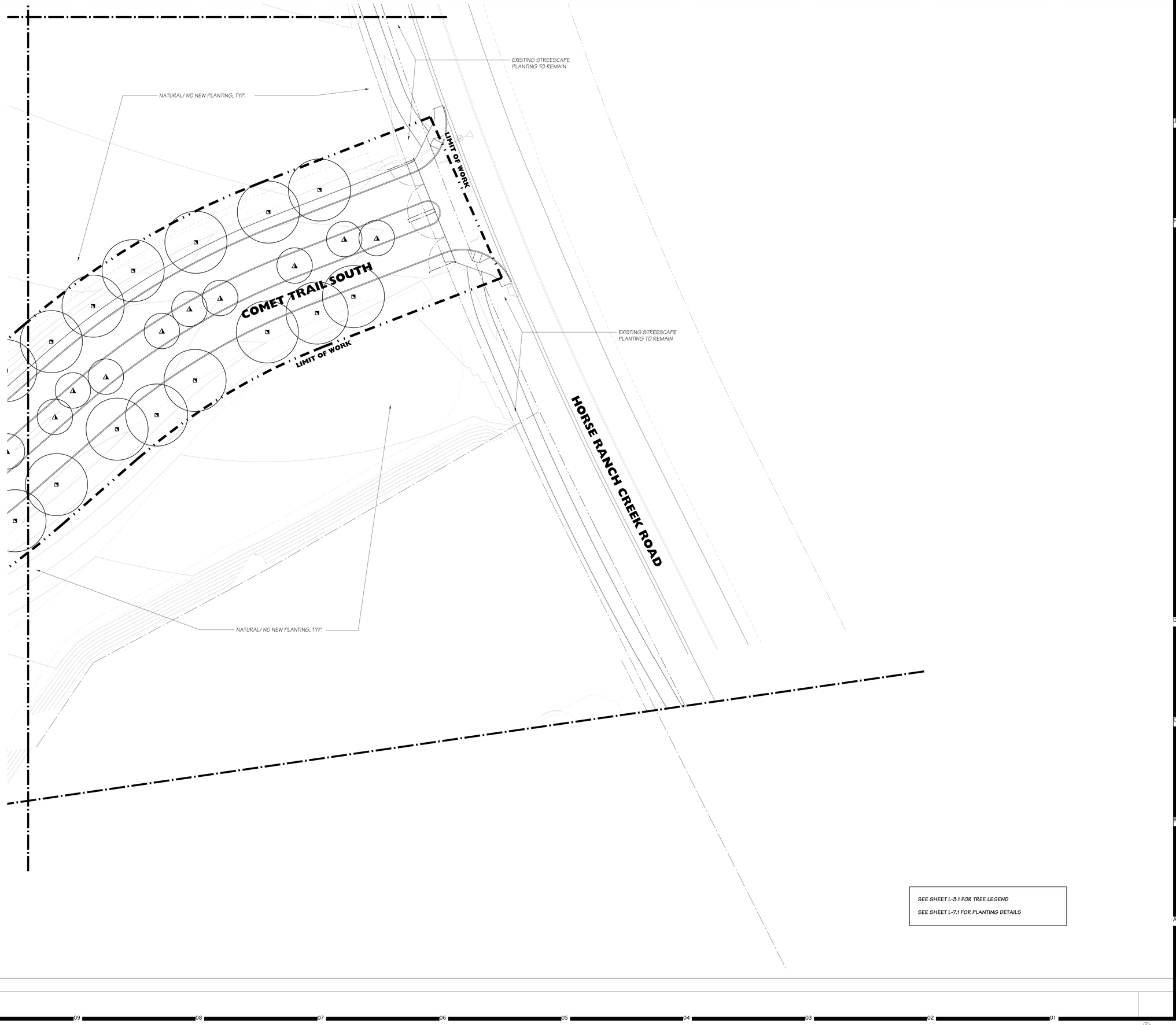
REGISTERED ARCHITECT
STEVEN E. GLENN
No. C-32437
EXP. REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.9
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
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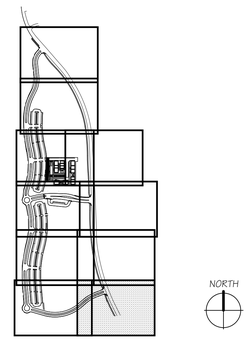
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
Expires 31-Jan
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9043
FAX. 619.294.9038
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
KEVIN E. GARRETT
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. **L-3.10**
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

NATURAL/NO NEW PLANTING, TYP.

NATURAL/NO NEW PLANTING, TYP.

SEE SHEET L-3.1 FOR TREE LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

NORTH

0 5 10 20

SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
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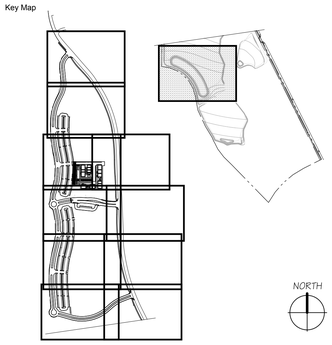
Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 4144
EXPIRES 8-31-17
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

TREE PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
STACEY E. GLASSEY
NO. C-32437
02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-3.11
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

TREES LEGEND

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.
	CHILOPSIS LINEARIS 'BURGUNDY'	BURGUNDY DESERT WILLOW	24" BOX	AS SHOWN	58
	PARKINSON FLORIDA	BLUE PALO VERDE	24" BOX	AS SHOWN	23
	CITRUS X LIMON 'EUREKA'EUREKA	LEMON TREE	15 GAL.	AS SHOWN	5
	CITRUS X PARADISE	RUBY RED GRAPEFRUIT TREE	15 GAL.	AS SHOWN	7
	CITRUS X AURANTIFOLIA	MEXICAN LIME TREE	15 GAL.	AS SHOWN	6
	JUBAEA CHILENSIS	CHILEAN WINE PALM	15 GAL.	AS SHOWN	6
	JUGLANS CALIFORNICA	CALIFORNIA WALNUT	24" BOX	AS SHOWN	18

SHRUBS LEGEND

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.
	ARCTOSTAPHYLOS UVA-URSI	COMMON BEARBERRY	1 GAL.	4' O.C.	AS NEEDED
	CAREX SPISSA	SAN DIEGO SEDGE	1 GAL.	AS SHOWN	69
	DIANELLA CAERULEA 'CASSA BLUE'	BLUE FLAX LILY	1 GAL.	18" O.C.	AS NEEDED
	LEYMUS CONDENSATUS 'CANYON PRINCE'	SAN DIEGO WILD RYE	5 GAL.	AS SHOWN	88
	MUHLENBERGIA C. 'REGAL MIST'	PINK MUHLY	5 GAL.	AS SHOWN	48
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	AS SHOWN	8
	PUNICA GRANATUM 'NANA'	DWARF POMEGRANATE	5 GAL.	AS SHOWN	48
	MONARDELLA VILLOSA	COYOTE MINT	1 GAL.	12" O.C.	AS NEEDED
	CARPENTERIA CALIFORNICA	BUSH ANEMONE	5 GAL.	AS SHOWN	5
	SALVIA APIANA	WHITE SAGE	5 GAL.	AS SHOWN	16
	SALVIA CLEVELANDII 'WINNEFRED GILMAN'	BLUE SAGE	1 GAL.	AS SHOWN	34
	ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUCHSIA	1 GAL.	18" O.C.	AS NEEDED

RESTROOMS

ADMIN. BUILDING

RESTROOMS

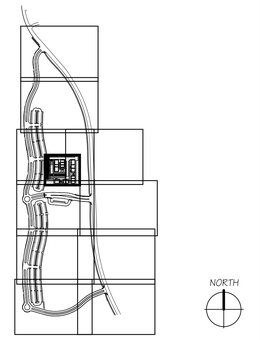
REST ROOMS

PLANTING NOTES:

1. TREES BOUGHT AT BOX SIZE SHOWN AND ARE TO BE PUT INTO NEXT LARGER BOX SIZE UNTIL USED FOR PHASE 1 (EXCEPT OR CHILEAN WINE PALM WHICH WILL BE PLANTED IN THE GROUND, BOXES ARE TO BE "AMAROO BOXES - 365', AVAIL. AT AMAROOTREEBOXES.COM. COLOR TO BE BLACK.
2. ALL SHRUB AND GROUNDCOVER AREAS SHALL RECEIVE A 2" LAYER OF WALK ON BARK MULCH.
3. DECORATIVE BOX TO FIT OVER AMAROO TREE BOX, SEE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT JON L. POWELL EXPIRATION DATE 08.14.17 STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 FAX. 619.294.9028 www.dpadesign.com
3305 EL CAJON BLVD. SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LANDSCAPE PLANTING PLAN- INTERIM VILLAGE

Architect's Seal

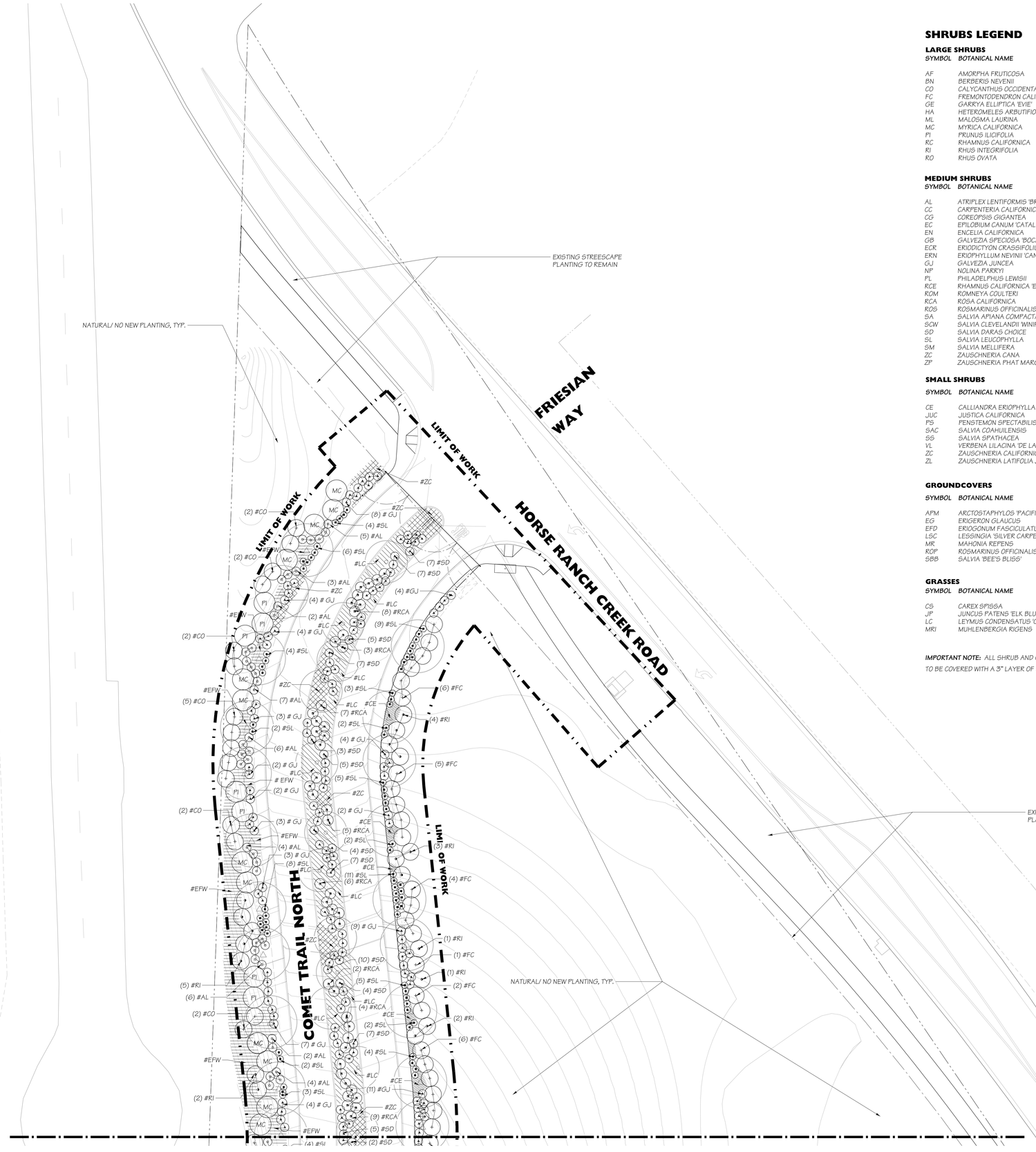
LICENSED ARCHITECT KELLEY E GLASS NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=10'-0"
QAQC	Drawing No. L-3.12
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



SHRUBS LEGEND

LARGE SHRUBS

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
AF	AMORPHA FRUTICOSA	FALSE INDIGO	5 GAL.	AS SHOWN	60	
BN	BERBERIS NEVENII	NEVIN'S BARBERRY	5 GAL.	AS SHOWN	144	
CO	CALYCANTHUS OCCIDENTALIS	SPICE BUSH	5 GAL.	AS SHOWN	128	
FC	FREMONTODENDRON CALIFORNICUM	FLANNEL BUSH	5 GAL.	AS SHOWN	49	
GE	GARRYA ELLIPTICA 'EVIE'	COAST SILKTASSEL	15 GAL.	AS SHOWN	82	
HA	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL.	AS SHOWN	158	
ML	MALOSMA LAURINA	LAUREL SUMAC	5 GAL.	AS SHOWN	154	
MC	MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	5 GAL.	AS SHOWN	97	
PI	PRUNUS ILICIFOLIA	HOLLY LEAFED CHERRY	5 GAL.	AS SHOWN	59	
RC	RHAMNUS CALIFORNICA	COFFEEBERRY	5 GAL.	AS SHOWN	91	
RI	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.	AS SHOWN	162	
RO	RHUS OVATA	SUGAR BUSH	5 GAL.	AS SHOWN	60	

MEDIUM SHRUBS

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
AL	ATRIPLEX LENTIFORMIS 'BREWERI'	BREWERS SALT BUSH	5 GAL.	AS SHOWN	238	
CC	CARPENTERIA CALIFORNICA	BUSH ANEMONE	5 GAL.	AS SHOWN	101	
CG	COREOPSIS GIGANTEA	GIANT COREOPSIS	5 GAL.	AS SHOWN	14	
EC	EPILOBIUM CANUM 'CATALINA'	CATALINA FUCHSIA	5 GAL.	AS SHOWN	251	
EN	ENCELIA CALIFORNICA	COAST SUNFLOWER	5 GAL.	AS SHOWN	48	
GB	GALVEZIA SPECIOSA 'BOCAROSA'	ISLAND BUSH SNAPDRAGON	5 GAL.	AS SHOWN	220	
EGR	ERIODICTYON CRASSIFOLIUM	FELT-LEAVED YERBA SANTA	1 GAL.	AS SHOWN	480	
ERN	ERIOPHYLLUM NEVINII 'CANYON SILVER'	WOOLY SUNFLOWER	1 GAL.	AS SHOWN	0	
GJ	GALVEZIA JUNCEA	BAJA SNAPDRAGON	5 GAL.	AS SHOWN	649	
NP	NOLINA PARRYI	PARRY'S BEARGRASS	15 GAL.	AS SHOWN	7	
PL	PHILADELPHUS LEWISII	MOCK ORANGE	5 GAL.	AS SHOWN	129	
RCE	RHAMNUS CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	1 GAL.	AS SHOWN	41	
ROM	ROMNEYA COULTERI	MATILIJA POPPY	5 GAL.	AS SHOWN	34	
RCA	ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL.	AS SHOWN	416	
ROS	ROSMARINUS OFFICINALIS 'TUSCAN BLUE'	ROSEMARY	5 GAL.	AS SHOWN	220	
SA	SALVIA APIANA COMPACTA	DWARF WHITE SAGE	1 GAL.	AS SHOWN	49	
SCW	SALVIA CLEVELANDII 'WINIFRED GILMAN'	WINIFRED GILMAN SAGE	1 GAL.	AS SHOWN	0	
SD	SALVIA DARAS CHOICE	NCN	1 GAL.	AS SHOWN	450	
SL	SALVIA LEUCOPHYLLA	PURPLE SAGE	1 GAL.	AS SHOWN	661	
SM	SALVIA MELLIFERA	BLACK SAGE	5 GAL.	AS SHOWN	147	
ZC	ZAUSCHNERIA CANA	'HOLLYWOOD FLAME' CA. FUCHSIA	1 GAL.	AS SHOWN	0	
ZP	ZAUSCHNERIA 'PHAT MARGARITA	CALIFORNIA FUCHSIA	1 GAL.	2' O.C.	AS NEEDED	

SMALL SHRUBS

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
CE	CALLIANDRA ERIOPHYLLA	FAIRY DUSTER	1 GAL.	2' O.C.	AS NEEDED	
JUC	JUSTICA CALIFORNICA	CHUPAROSA	1 GAL.	AS SHOWN	164	
PS	PENSTEMON SPECTABILIS	SHOWY PENSTEMON	1 GAL.	AS SHOWN	0	
SAC	SALVIA COAHUILENSIS	COAHUILA SAGE	1 GAL.	18" O.C.	AS NEEDED	
SS	SALVIA SPATHACEA	HUMMINGBIRD SAGE	1 GAL.	AS SHOWN	226	
VL	VERBENA LILACINA 'DE LA MINA'	PURPLE CEDROS ISLAND VERBENA	1 GAL.	2' O.C.	AS NEEDED	
ZC	ZAUSCHNERIA CALIFORNICA 'GHOSTLY RED'	RED CALIFORNIA FUCHSIA	1 GAL.	2' O.C.	AS NEEDED	
ZL	ZAUSCHNERIA LATIFOLIA JOHNSTONII	BUSH CALIFORNIA FUCHSIA	1 GAL.	18" O.C.	AS NEEDED	

GROUNDCOVERS

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
APM	ARCTOSTAPHYLOS 'PACIFIC MIST'	PACIFIC MIST MANZANITA	1 GAL.	4' O.C.	AS NEEDED	
EG	ERIGERON GLAUCUS	SEASIDE DAISY	1 GAL.	18" O.C.	AS NEEDED	
EFD	ERIOGONUM FASCICULATUM 'WARRINER LYTLE'	WARRINER LYTLE BUCKWHEAT	1 GAL.	4' O.C.	AS NEEDED	
LSC	LESSINGIA 'SILVER CARPET'	COMMON CORETHROGYNE	1 GAL.	18" O.C.	AS NEEDED	
MR	MAHONIA REPENS	CREEPING MAHONIA	1 GAL.	2' O.C.	AS NEEDED	
ROP	ROSMARINUS OFFICINALIS 'PROSTRATUS'	PROSTRATE ROSEMARY	1 GAL.	5' O.C.	AS NEEDED	
SBB	SALVIA 'BEE'S BLISS'	BEES BLISS SAGE	1 GAL.	3' O.C.	AS NEEDED	

GRASSES

SYMBOL	BOTANICAL NAME	LATIN NAME	SIZE	SPACING	QTY.	NOTES
CS	CAREX SPISSA	SAN DIEGO SEDGE	1 GAL.	2' O.C.	AS NEEDED	
JP	JUNCUS PATENS 'ELK BLUE'	ELK BLUE CALIFORNIA GREY RUSH	1 GAL.	2' O.C.	AS NEEDED	
LC	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE WILD RYE	1 GAL.	AS SHOWN	3' O.C.	AS NEEDED
MRI	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	AS SHOWN	0	

IMPORTANT NOTE: *ALL SHRUB AND GROUNDCOVER AREAS NOTED AS "PA" THAT ARE NOT CALLED OUT TO HAVE ROCK MULCH ARE TO BE COVERED WITH A 3" LAYER OF SHREDDED BARK MULCH.*

SEE SHEET L-7.1 FOR PLANTING DETAILS

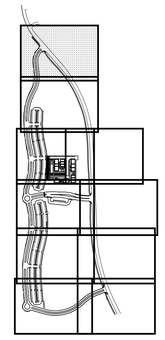
NORTH

0 5 10 20

SCALE: 1" = 10'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



NORTH

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
4534
EXPIRES: 01-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpainc.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

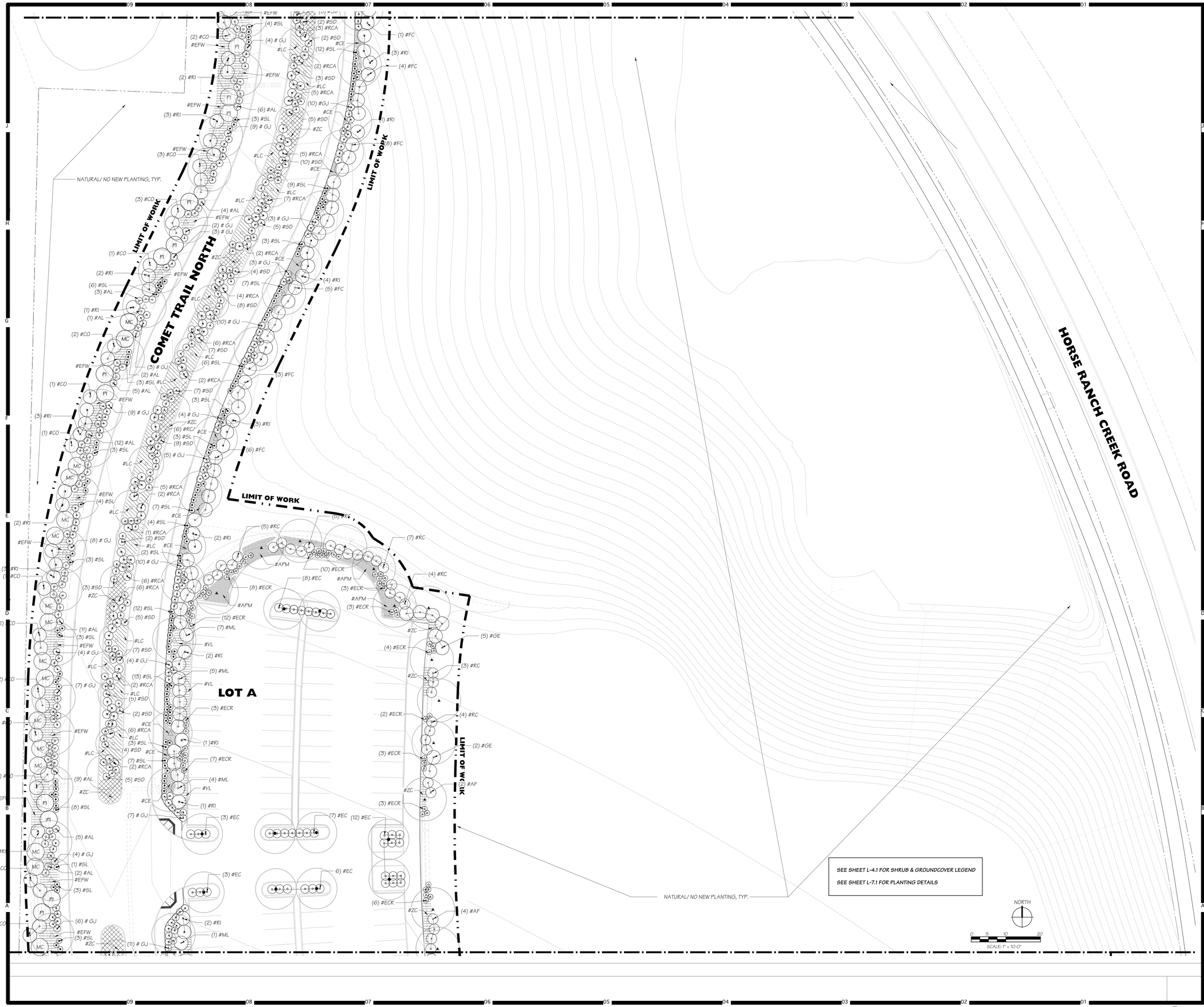
Architect's Seal

LICENSED ARCHITECT
JAMES E. CHMIELEWSKI
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.1
Date: 10/06/2017	

17-001

DSA SUBMITTAL



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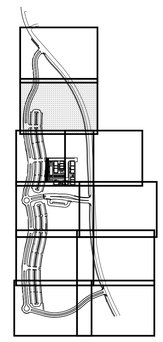
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
4945
EXPIRES 01-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 2305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

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Project Title

PALOMAR COLLEGE
Shaping Our Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
KAY E. CHRISTENSEN
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-4.2
Date: 10/06/2017	

PLEASE RECYCLE

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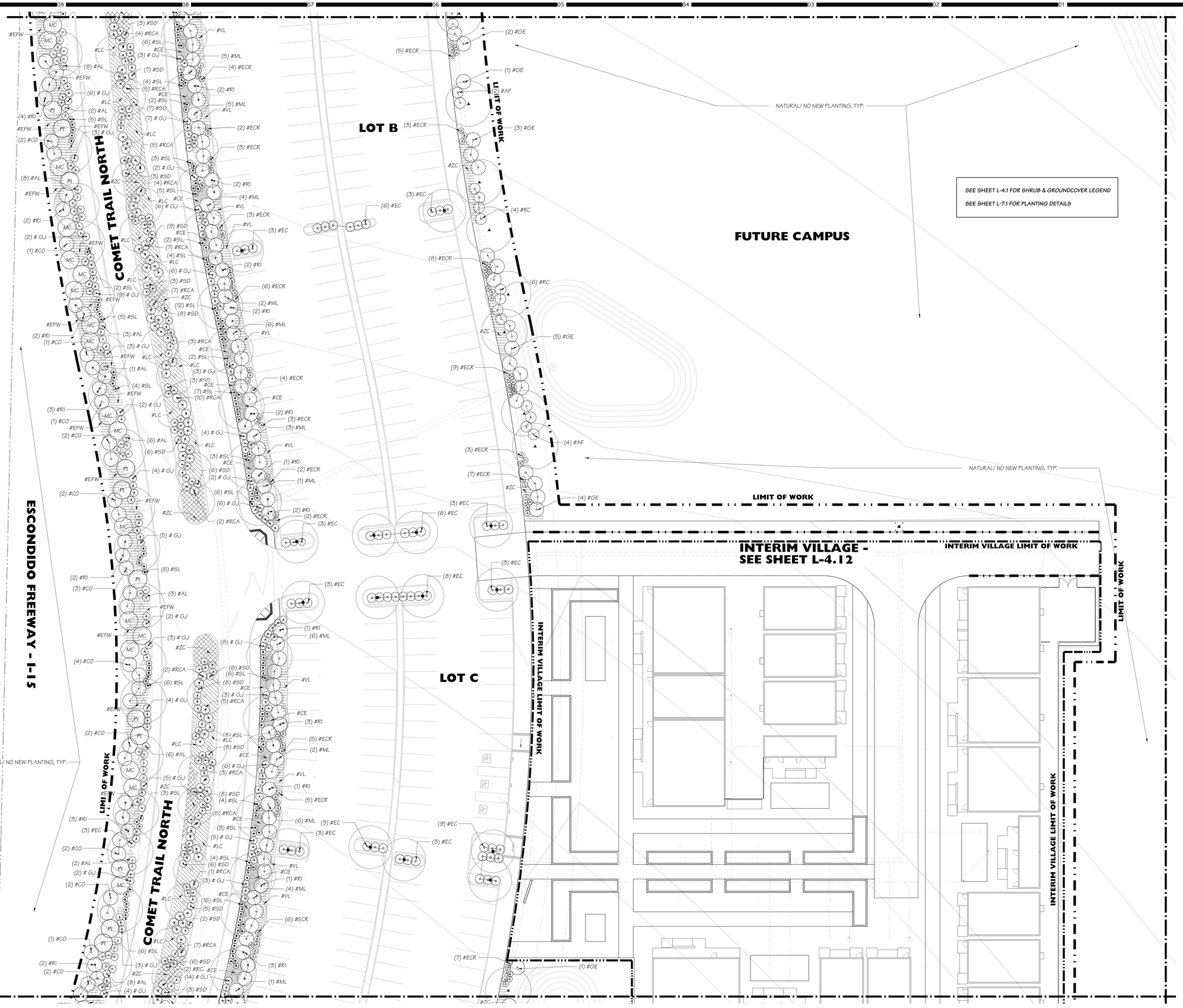

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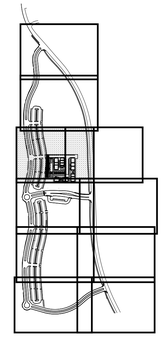
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES 10-31-17
09.14.17
Date
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpalosa.com
3205 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

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Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
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Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

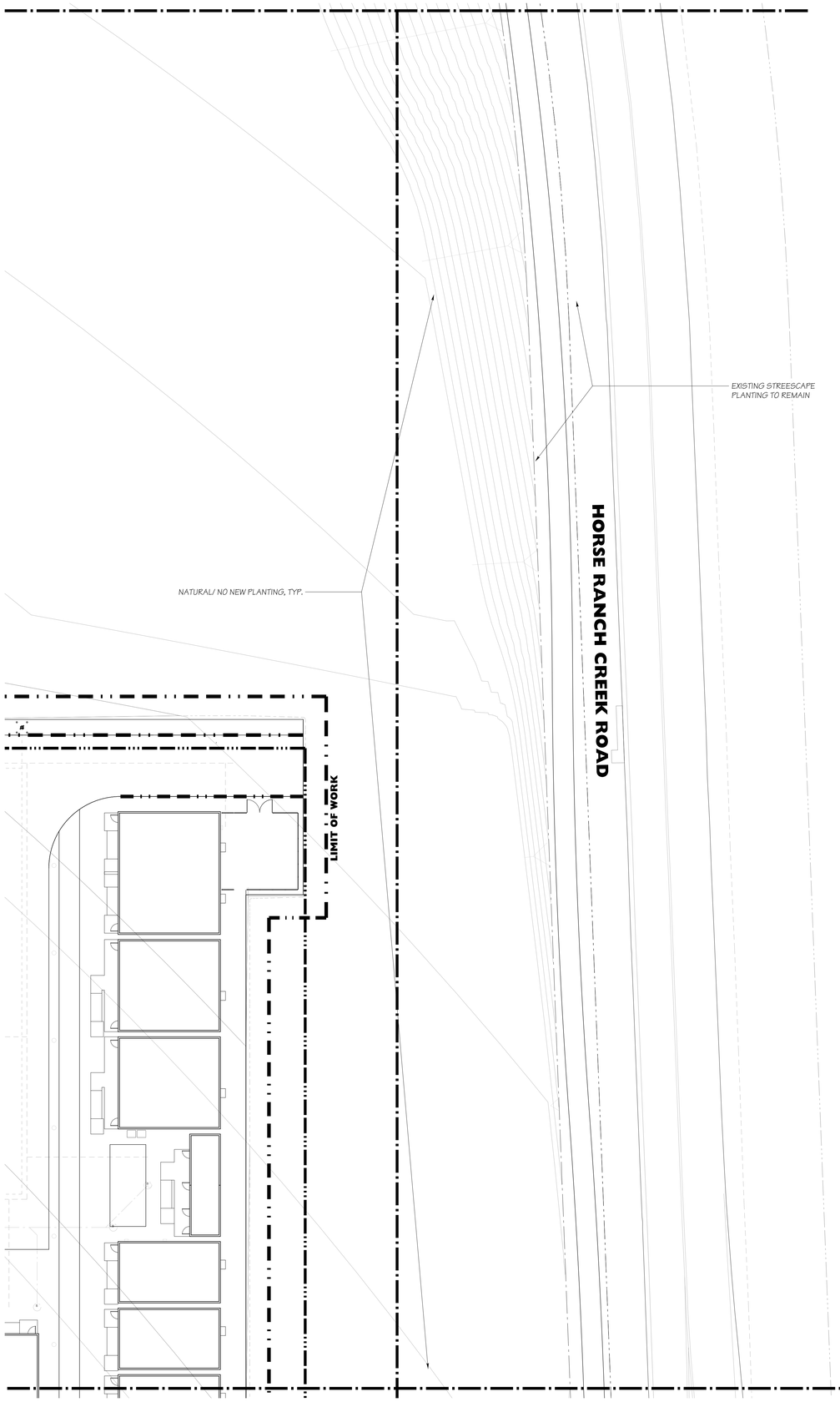
LICENSED ARCHITECT
JAMES E. GARRETT
No. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.3
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

17-001



SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map

Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104

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Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
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Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.4
Date: 10/06/2017	

17-C01

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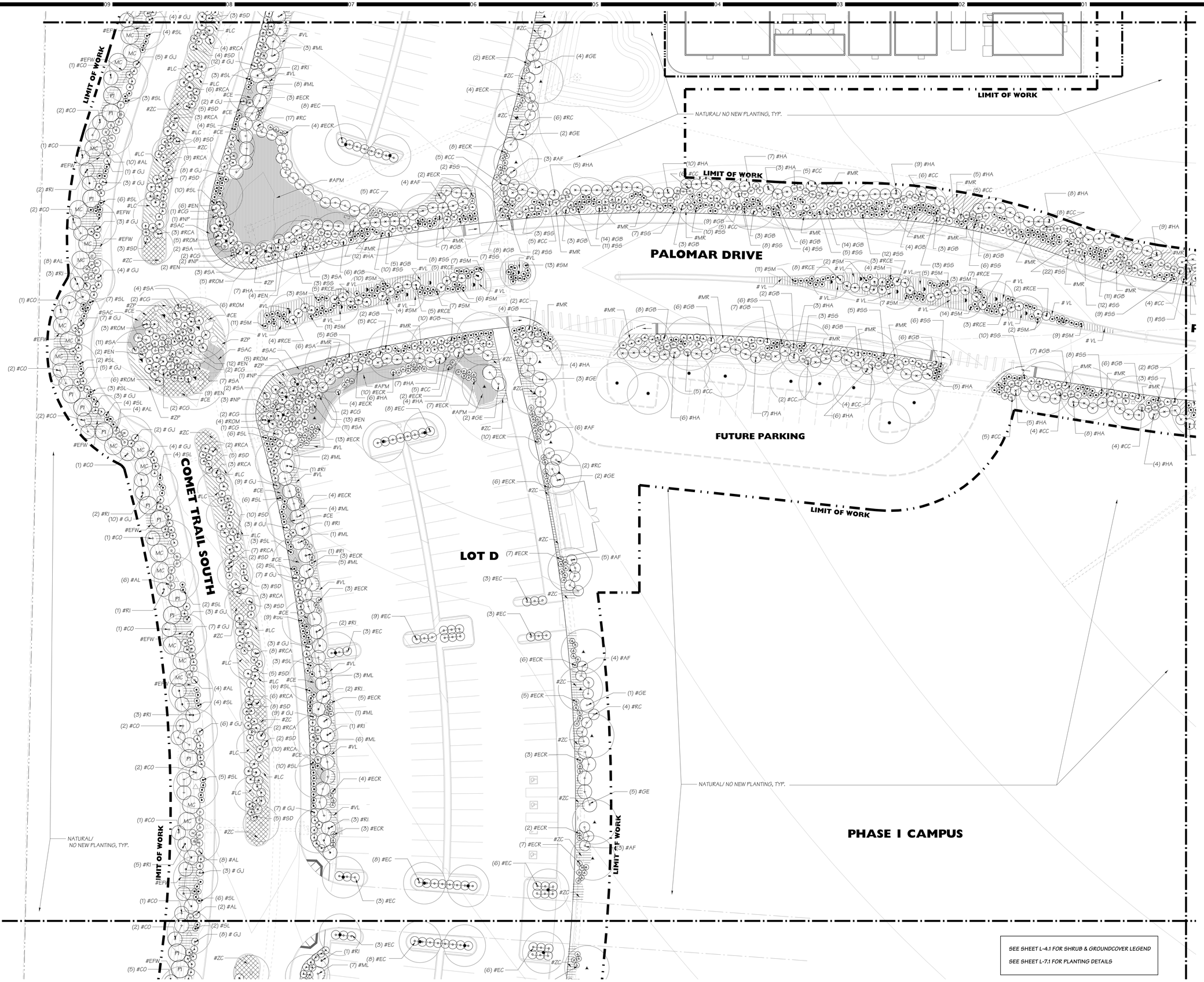

SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

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T 909 989 9979 / www.hmcarchitects.com

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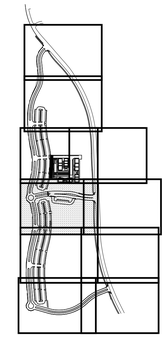

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
09.14.17
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9012
FAX. 619.294.9028
www.dpadesign.com
3302 N. LAJOLLA BLVD.
SAN DIEGO, CA 92104

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Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
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Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
GREGORY E. GLASS
NO. C-32437
EXP. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.5
Date: 10/06/2017	

17-001

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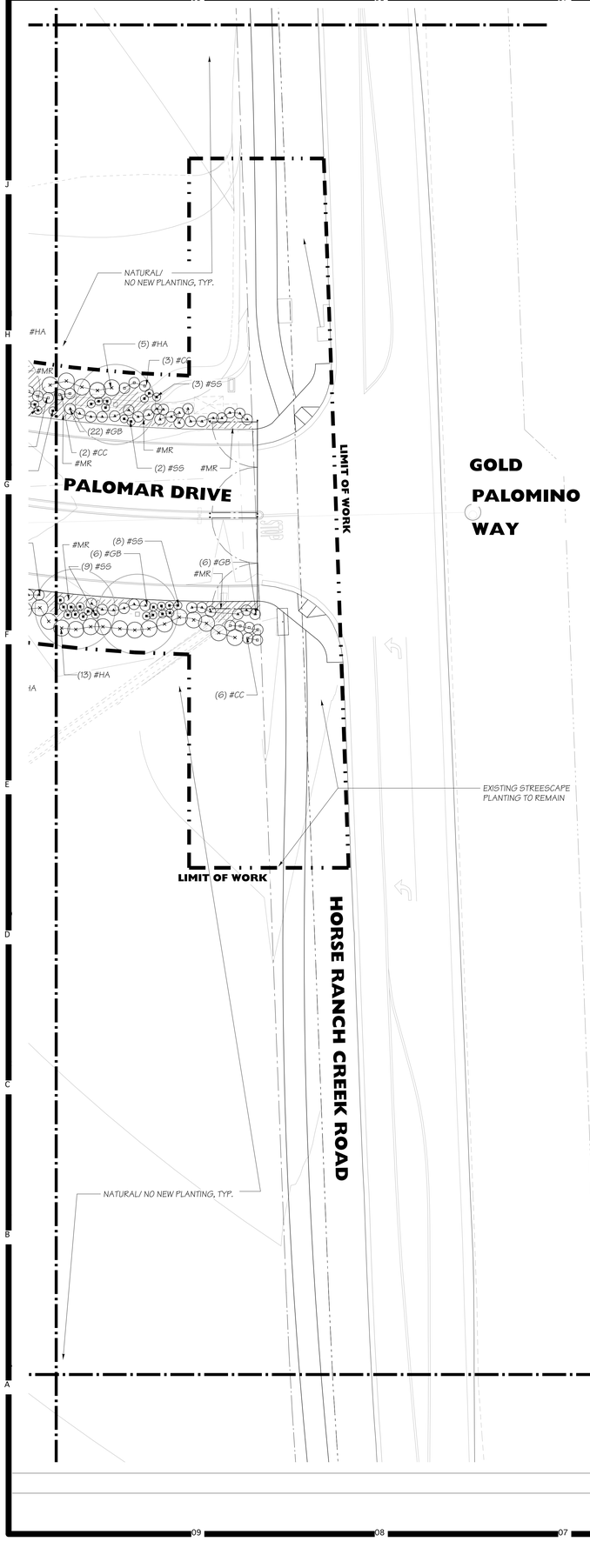

SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

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3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRATION DATE
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 3305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

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Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
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Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

REGISTERED ARCHITECT
DOUGLAS E. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. L-4.6
Date: 10/06/2017	

17-001

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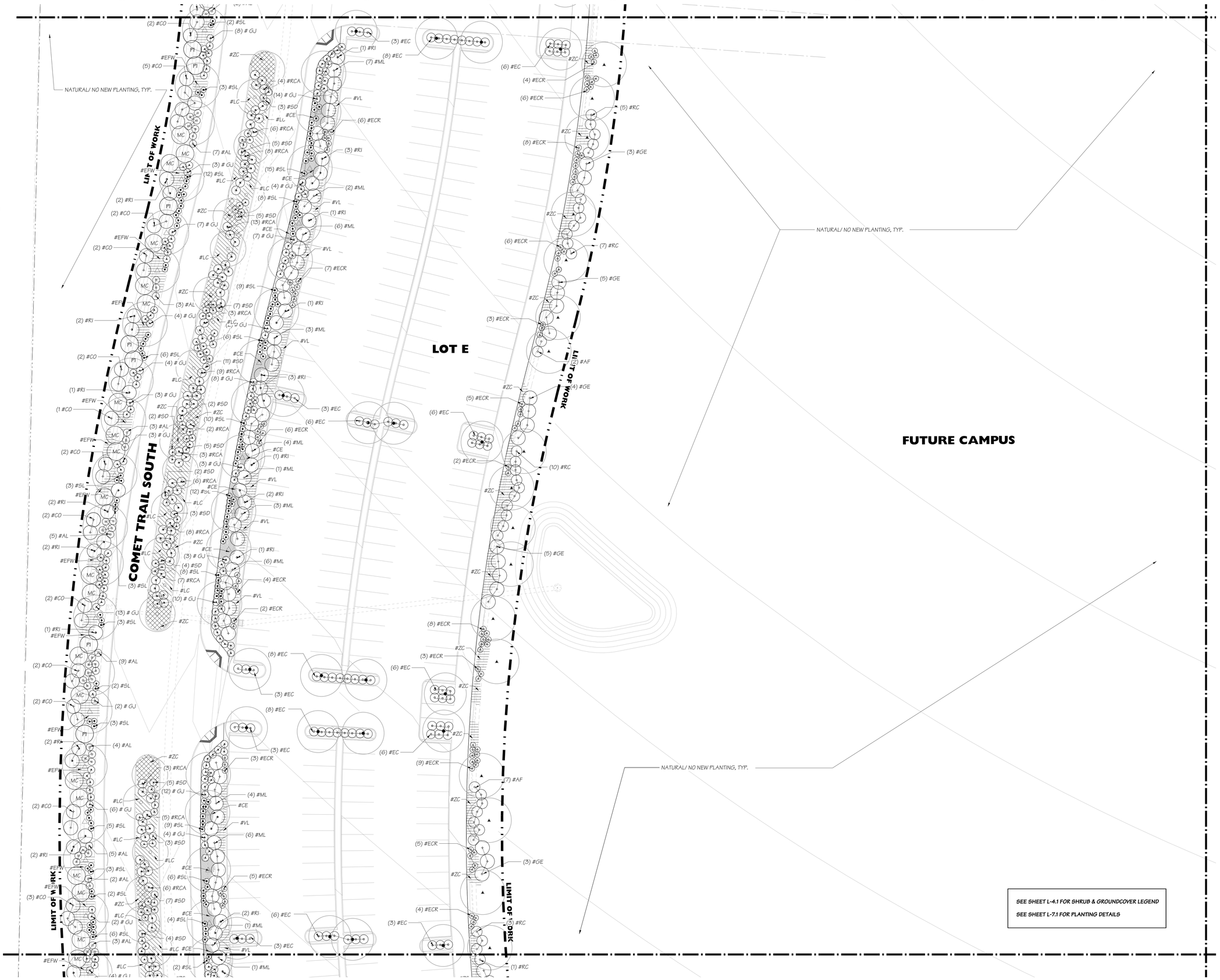

SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

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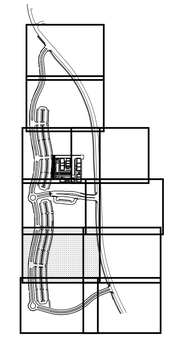
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES 31-10-07
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 2305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
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APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
BRADLEY E. GLANDON
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.7
Date: 10/06/2017	

17-001

PLEASE RECYCLE

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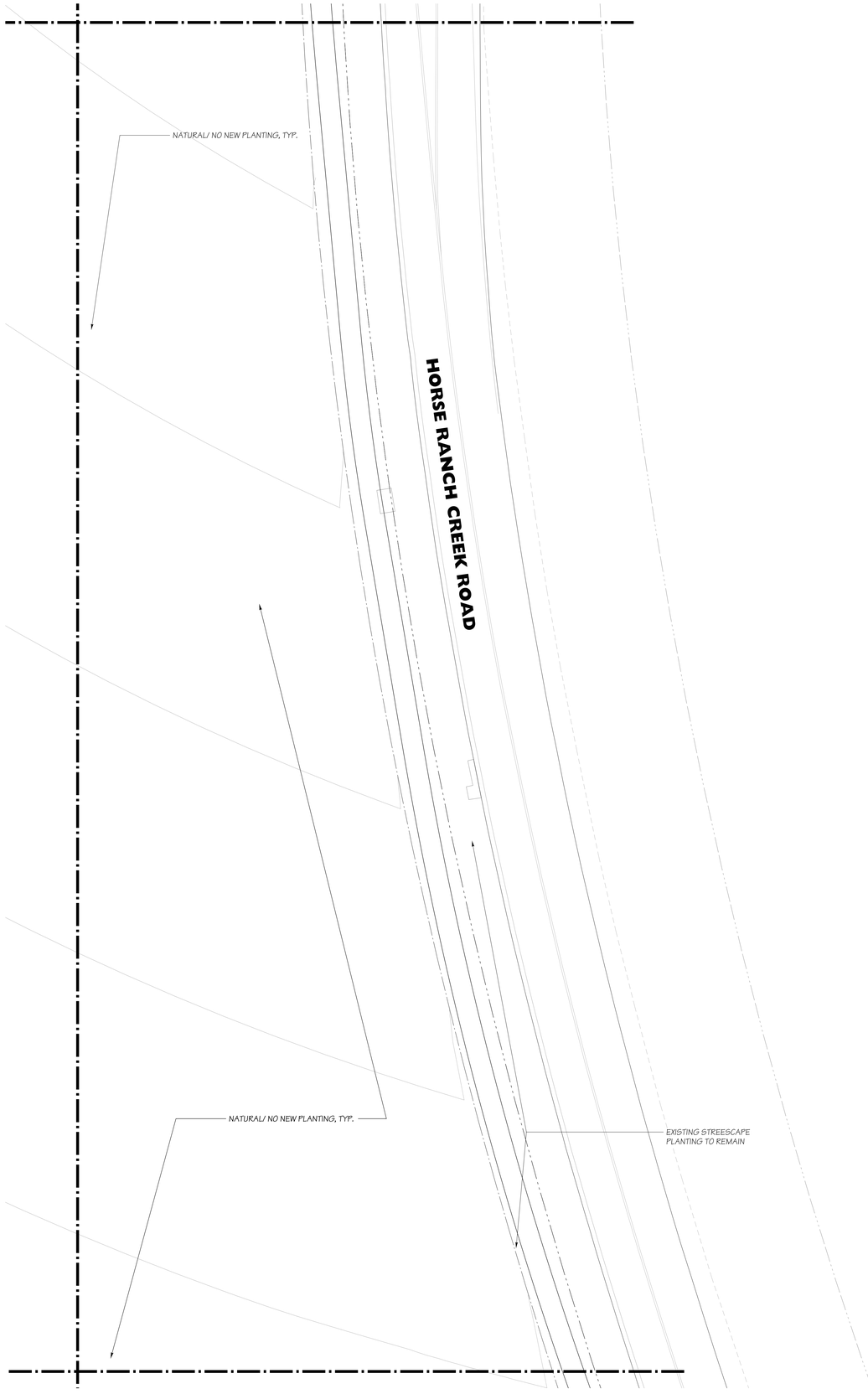
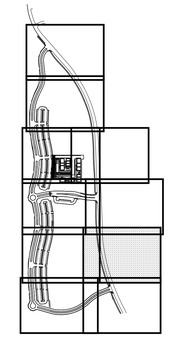


SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES: 01/31/19
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3302 EL CAJON BLVD.
SAN DIEGO, CA 92104

Agency Approval FILE NO. 37-C1

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APPL. 04-116580

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DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

LICENSED ARCHITECT
KEE GEE
NO. C-32437
EXP. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QA/QC	Drawing No. **L-4.8**
Date: 10/06/2017	

17-001

PLEASE RECYCLE

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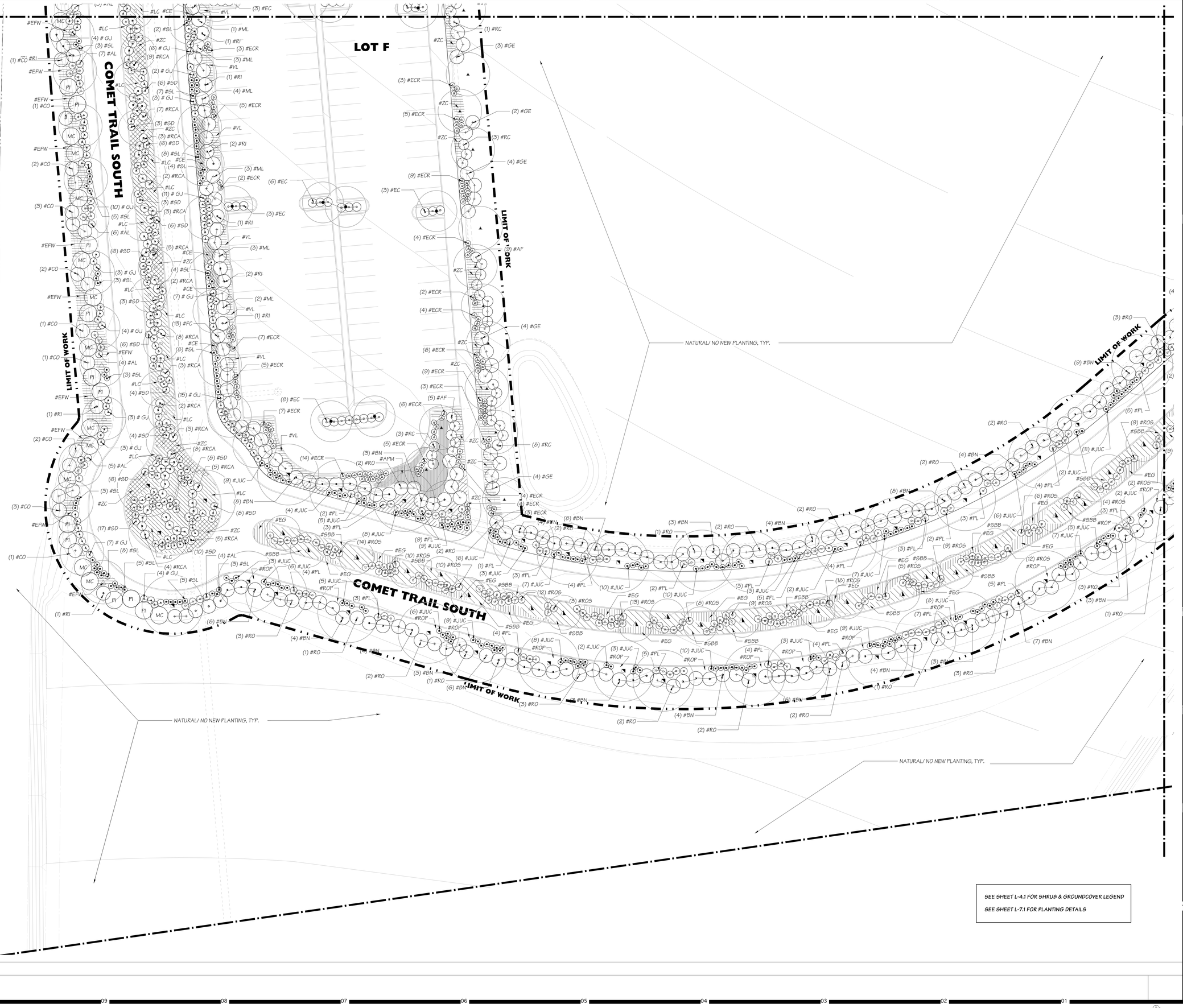
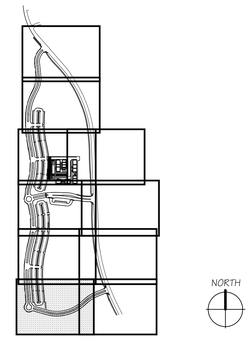


SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
EXPIRES 11-30-17
09.14.17
Date
STATE OF CALIFORNIA

Consultant
Penfield Powell Atelier, Inc.
TEL. 619.294.9961
FAX. 619.294.9028
www.dpainc.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

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DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

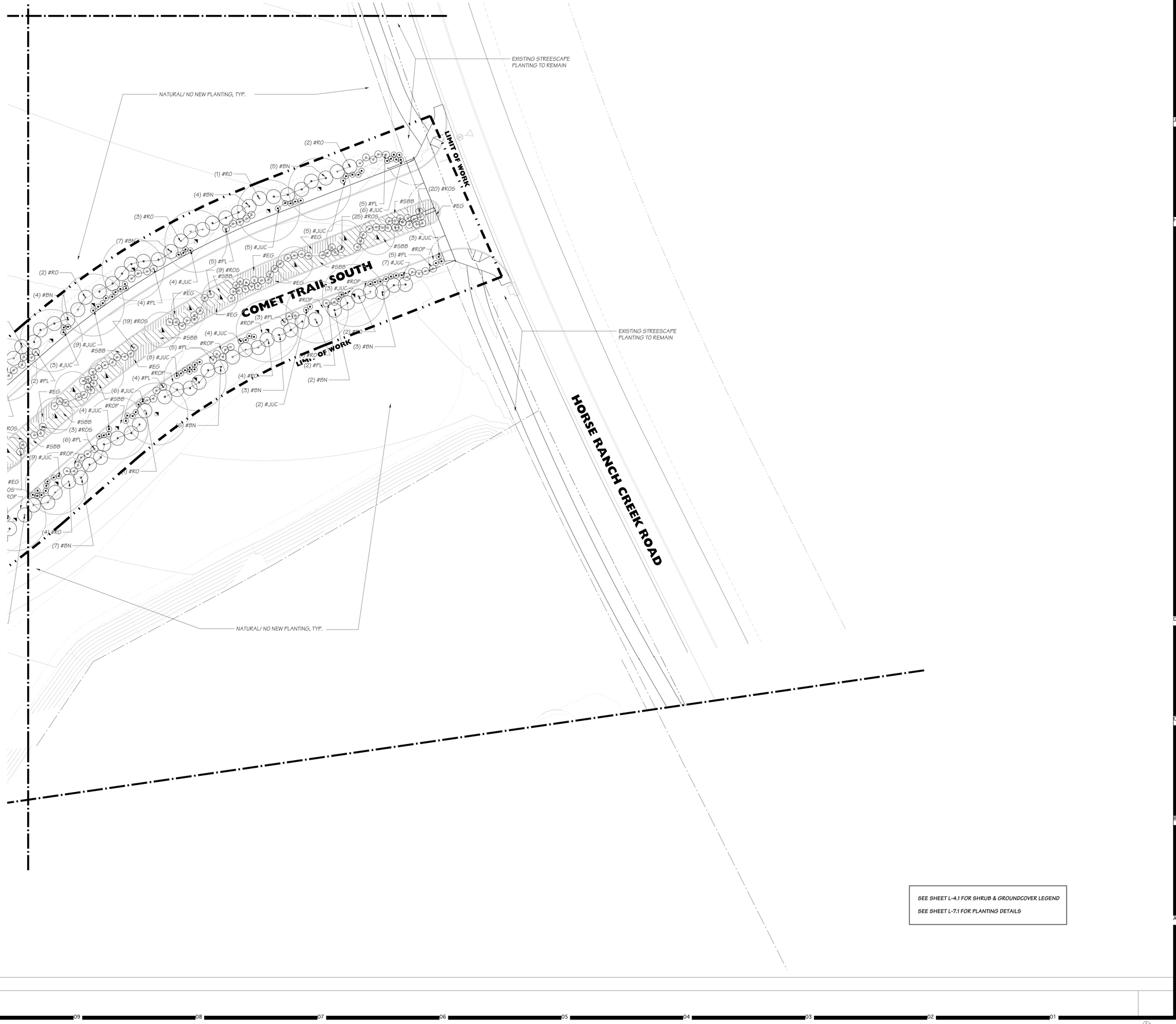
REGISTERED ARCHITECT
STEVE GLAVICH
No. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	KEE	Project No.	5015019-102
Drawn:	KEE	Scale:	1"=20'-0"
QAQC		Drawing No.	L-4.9
Date:	10/06/2017		

DSA SUBMITTAL

PLEASE RECYCLE

17-201

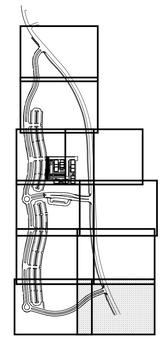


SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042
FAX. 619.294.9028
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS____ FLS____ SSS____

DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

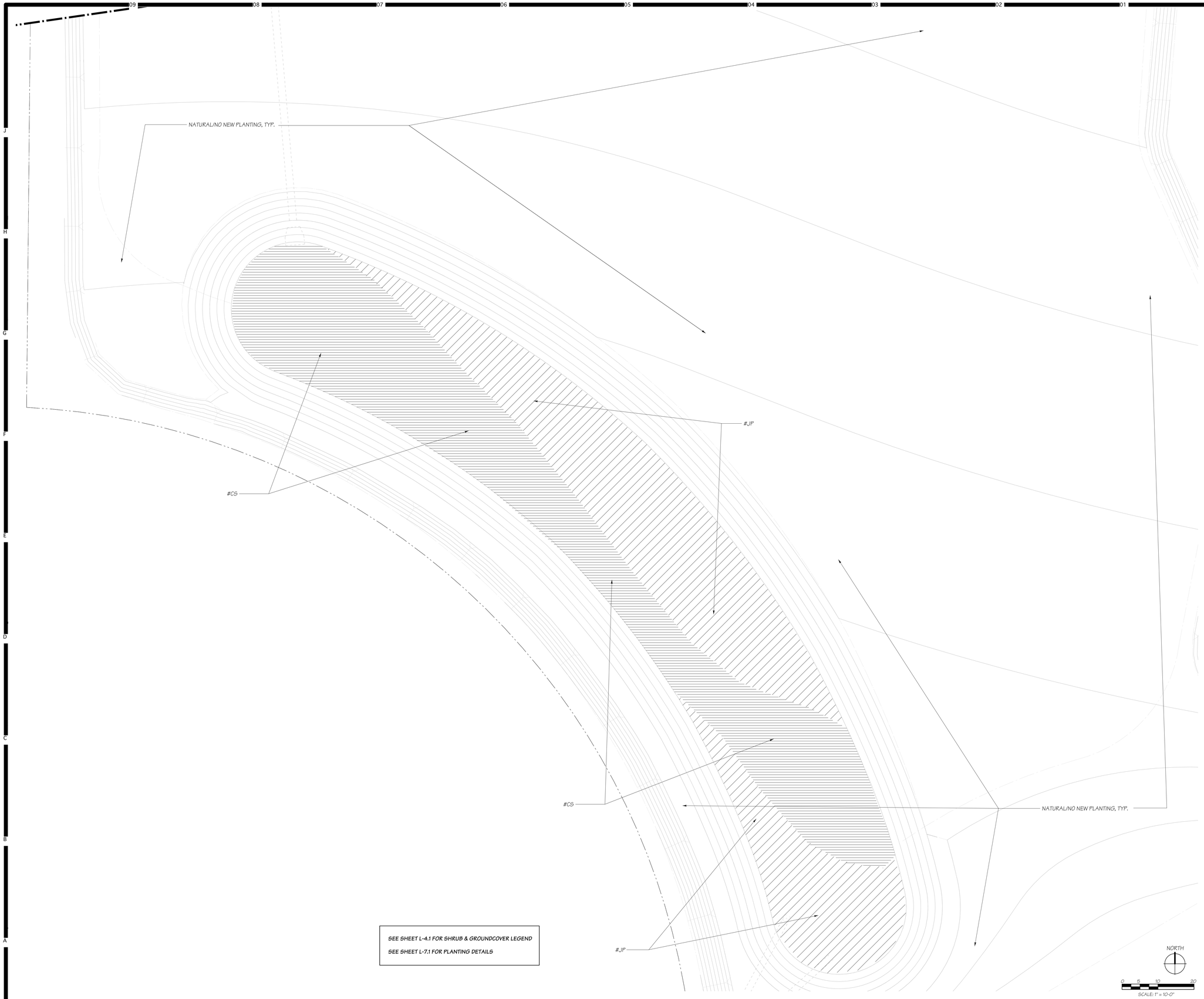
Architect's Seal

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.10
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL

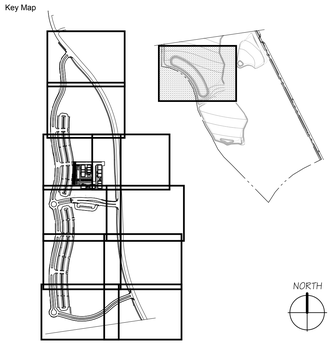


SEE SHEET L-4.1 FOR SHRUB & GROUNDCOVER LEGEND

SEE SHEET L-7.1 FOR PLANTING DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
No. 5645
EXPIRES: 01-31-17
09.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc
TEL. 619.294.9042
FAX. 619.294.9038
www.dpadesign.com
2305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

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DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS ____ FLS ____ SSS ____

DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SHRUB PLANTING PLAN

Architect's Seal

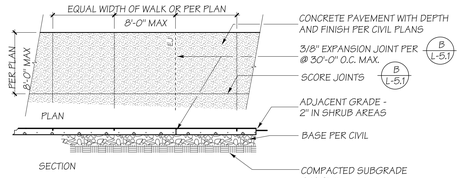
REGISTERED ARCHITECT
KEVIN E GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=20'-0"
QAQC	Drawing No. L-4.11
Date: 10/06/2017	

PLEASE RECYCLE

DSA SUBMITTAL

17-201



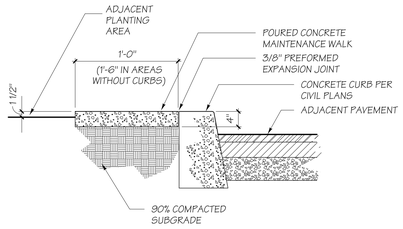
CONCRETE PAVING SCHEDULE

PLAN SYMBOL	DEPTH	COLOR	FINISH	OTHER NOTES
12	PER CIVIL	NATURAL GRAY	LT. BROOM*	REINF. PER CIVIL
15	5"	NATURAL GRAY	LT. BROOM*	REINF. PER CIVIL
32	PER CIVIL	NATURAL GRAY	MEDIUM BROOM (RAMP PATH)	REINF. PER CIVIL

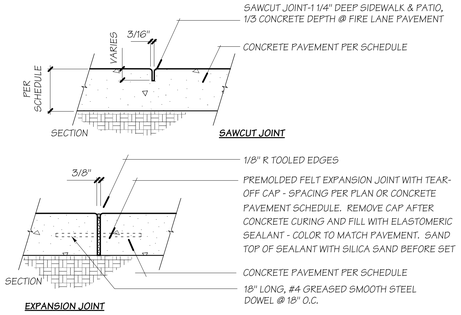
*PERPENDICULAR TO FLOW OF TRAFFIC

A CONCRETE PAVEMENT SCHEDULE

NO SCALE

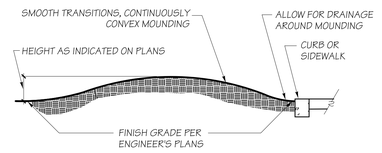


NOTE
1. MAINTENANCE WALK TO BE NATURAL GRAY CONCRETE, LIGHT BROOM FINISH.
2. PROVICE 1/4" x 1 1/4" DEEP TOOLED JOINTS AT 4' O.C. MAX.



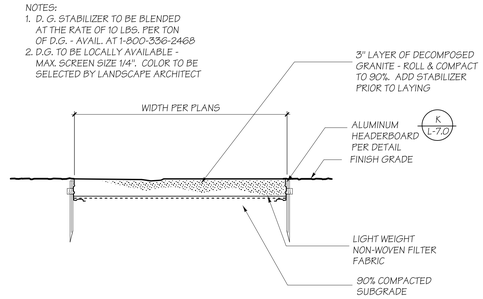
B CONCRETE PAVEMENT JOINTS

NO SCALE



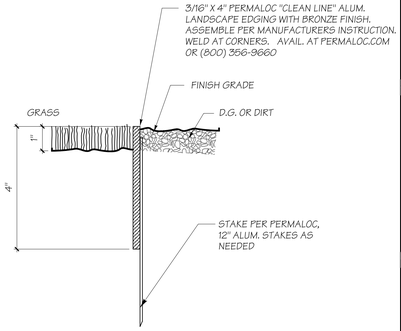
F MOUNDING

NO SCALE



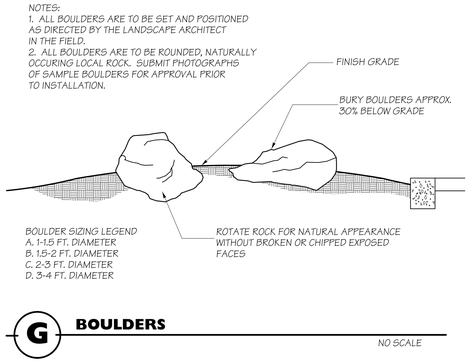
C STABILIZED DECOMPOSED GRANITE PATH

NO SCALE



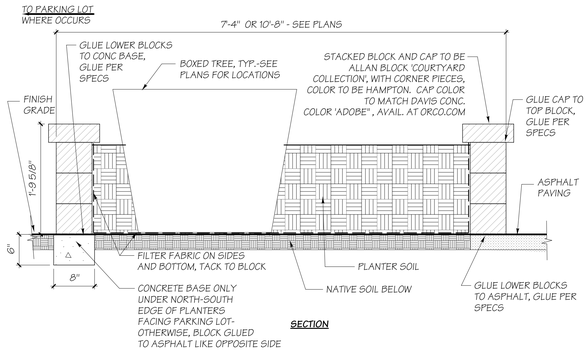
D ALUMINUM HEADERBOARD

NO SCALE



G BOULDERS

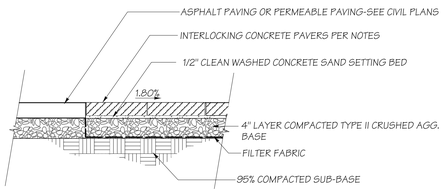
NO SCALE



H RAISED BLOCK PLANTERS

SCALE: 1"=1'-0"

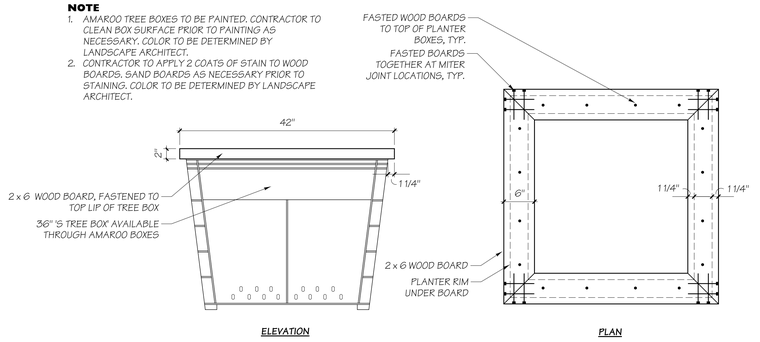
NOTE
1. INTERLOCKING CONCRETE PAVERS TO BE STONETOP IN RANDOM RUNNER PATTERN; COLOR TO BE 'BROWNSTONE'. AVAIL. AT RCPBRICK.COM
2. SET PAVERS HAND TIGHT. CUT TO FOLLOW EDGE OF WALK AS REQ'D. SWEEP SAND INTO JOINTS AFTER SETTING TO TIGHTEN.



I INTERLOCKING CONCRETE PAVERS

SCALE - 1" = 1'-0"

NOTE
1. AMAROO TREE BOXES TO BE PAINTED. CONTRACTOR TO CLEAN BOX SURFACE PRIOR TO PAINTING AS NECESSARY. COLOR TO BE DETERMINED BY LANDSCAPE ARCHITECT.
2. CONTRACTOR TO APPLY 2 COATS OF STAIN TO WOOD BOARDS. SAND BOARDS AS NECESSARY PRIOR TO STAINING. COLOR TO BE DETERMINED BY LANDSCAPE ARCHITECT.

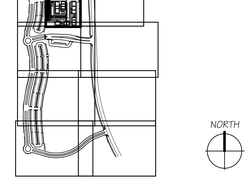


J PLANTER BOXES

SCALE - 1" = 1'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT JON L. POWELL EXPIRES 10/2019 09.14.17 STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9042 3202 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpadesign.com

Agency Approval FILE NO. 37-C1

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Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

CONSTRUCTION DETAILS

Architect's Seal

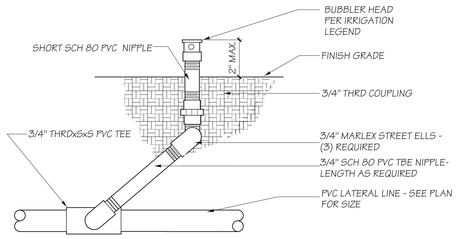
LICENSED ARCHITECT JOSEPH E. GLAVICH NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=10'-0"
QAQC	Drawing No. L-5.1
Date: 10/06/2017	

17-001

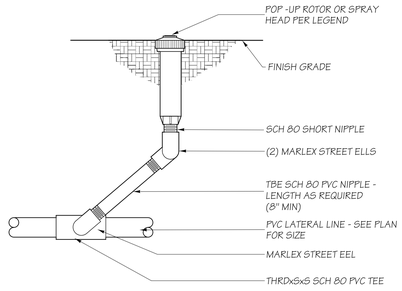
PLEASE RECYCLE

DSA SUBMITTAL



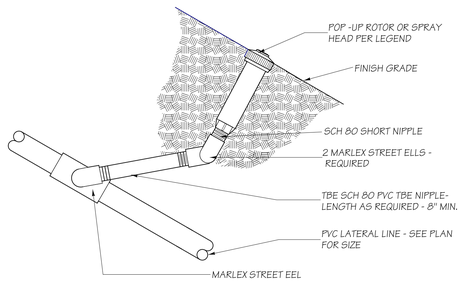
A BUBBLER HEAD ON SHORT RISER

SCALE 3/4"=1'-0"



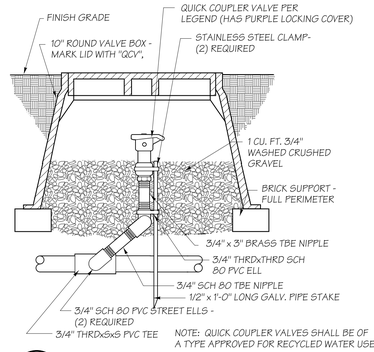
B POP-UP ROTOR OR SPRAY HEAD DETAIL

SCALE 3/4"=1'-0"



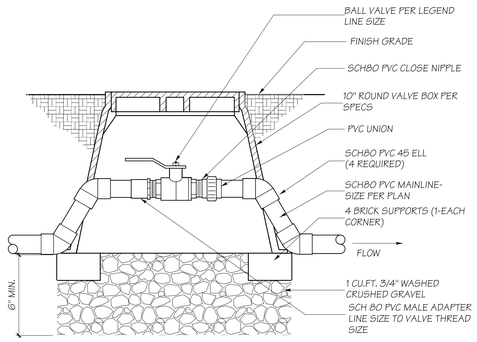
C SLOPE POP-UP

NO SCALE



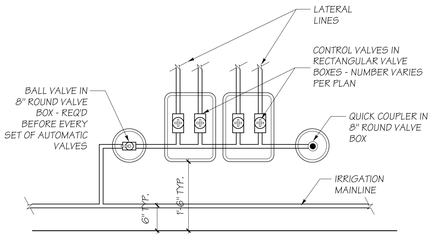
D QUICK COUPLER VALVE DETAIL

SCALE 3/4"=1'-0"



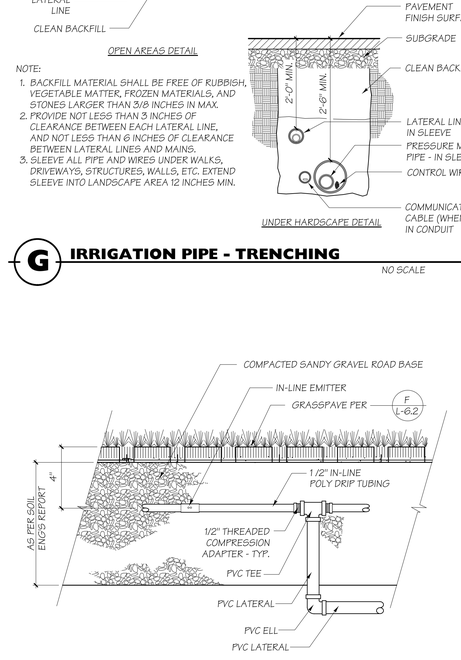
E BALL VALVE DETAIL

NO SCALE



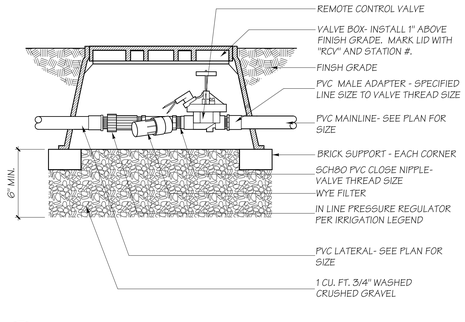
F TYPICAL VALVE MANIFOLD

NO SCALE



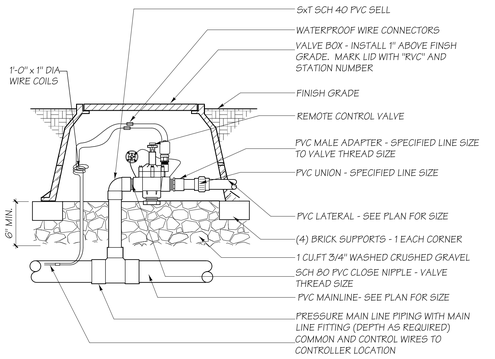
G IRRIGATION PIPE - TRENCHING

NO SCALE



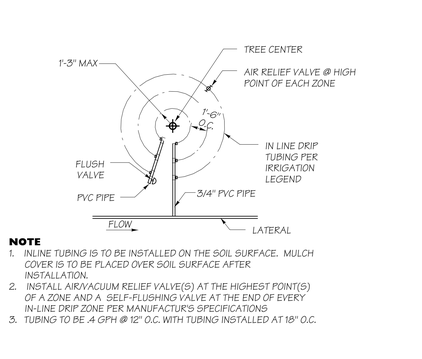
H DRIP VALVE ASSEMBLY

NO SCALE



I REMOTE CONTROL VALVE DETAIL

SCALE 3/4"=1'-0"

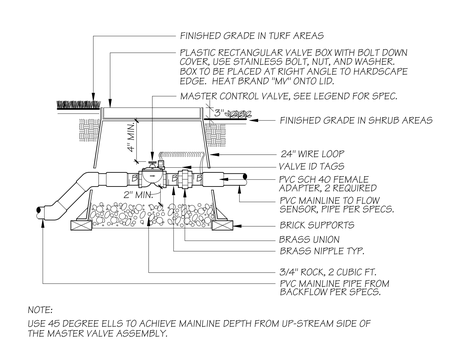


J IN-LINE DRIP TREE IRRIGATION

NO SCALE

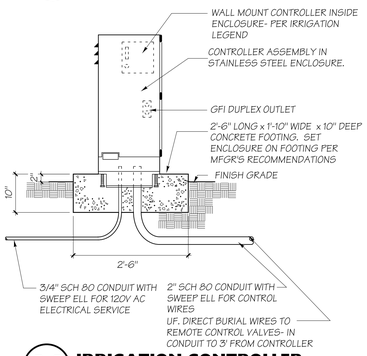
K BELOW GRADE IN-LINE DRIP LINE

NO SCALE



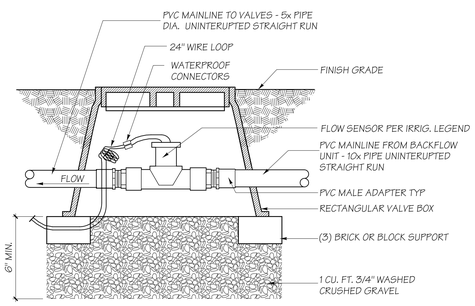
L MASTER VALVE

NO SCALE



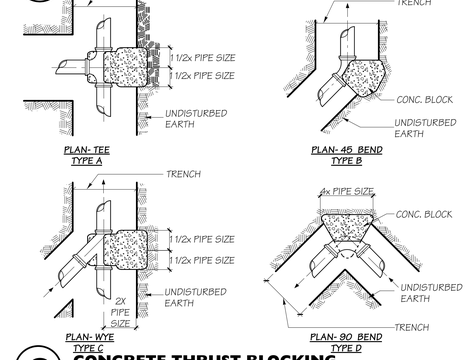
M IRRIGATION CONTROLLER ENCLOSURE

NO SCALE



N FLOW SENSOR DETAIL

NO SCALE

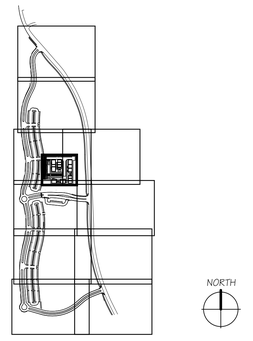


O CONCRETE THRUST BLOCKING

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map



Consultant Seal

REGISTERED LANDSCAPE ARCHITECT JON L. POWELL No. 2345 EXPIRES: 31-2017 03.14.17 DATE STATE OF CALIFORNIA

Consultant

Dencen Powell Atelier, Inc.
TEL. 619.294.5942 3305 EL CAJON BLVD.
FAX. 619.294.9028 SAN DIEGO, CA 92104
www.dpainc.com

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No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

IRRIGATION DETAILS

Architect's Seal

LICENSED ARCHITECT KEVIN E. GLEASON No. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
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QAQC	Drawing No. L-6.1
Date: 10/06/2017	

17-001

PLEASE RECYCLE

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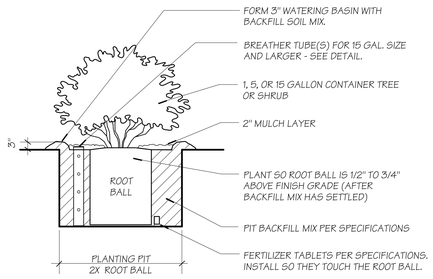
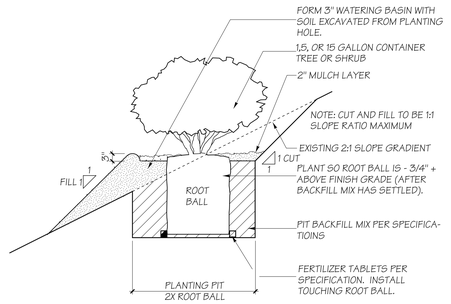


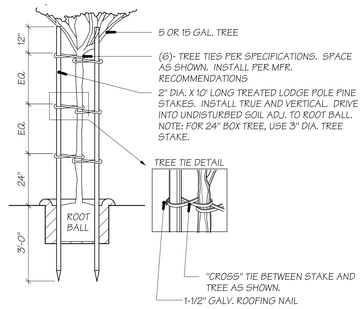
A CONTAINER PLANTING

NO SCALE



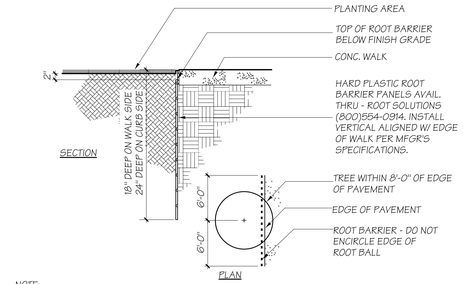
B 1,5, AND 15 GALLON CONTAINER PLANTING DETAIL (SLOPE)

NO SCALE



C DOUBLE TREE STAKING DETAIL

NO SCALE



NOTE:
1. ALL TREES PLANTED WITHN 5' OF PAVING OR CURBS ARE TO HAVE LINEAR HARD PLASTIC ROOT BARRIER'S AS MANF'D BY 'ROOT SOLUTIONS', OR EQUAL (24" DEPTH). PLACE AT THE EDGE OF PAVING AND EXTEND 6' MINIMUM EACH SIDE OF THE CENTER OF THE TREE. ROOT BARRIERS ARE NOT TO BE WRAPPED AROUND THE ROOTBALL.

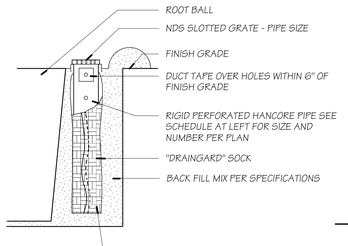
D ROOT BARRIER

NO SCALE

INSTALL BREATHER TUBES ON ALL TREES AND SHRUBS PER THE FOLLOWING SCHEDULE:

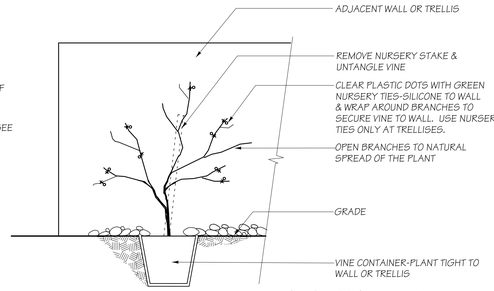
1&5 GALLON	NONE
15 GALLON	(1)- 3"
24" BOX	(2)- 3"
36" BOX	(2)- 4"
48" BOX	(3)- 4"
60" BOX & LARGER	(4)- 4"
B&B PALMS	(4)- 4"

*REQUIREMENT FOR SHRUBS MAY BE OMITTED BY LANSC. ARCH. IF SOIL CONDITIONS PERMIT



E BREATHER TUBE

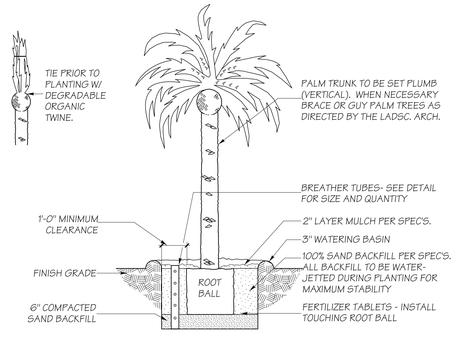
NO SCALE



NOTE: QUANTITY OF NURSERY TIES VARIES PER VINE. USE A SUFFICIENT QUANTITY TO ASSURE SUPPORT FOR THE VINE UNTIL IT CAN SUPPORT ITSELF.

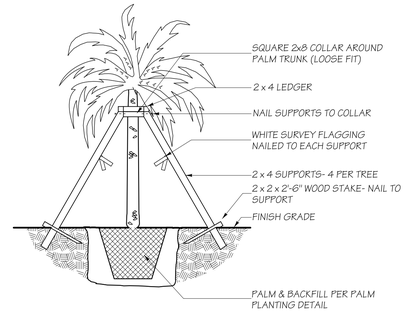
F VINE PLANTING

NO SCALE



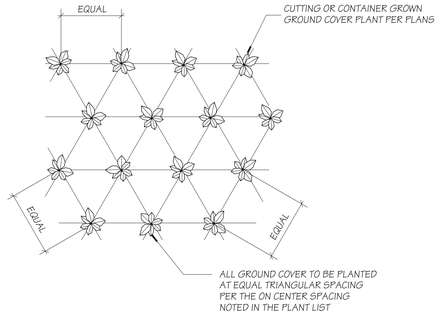
G PALM PLANTING DETAIL

NO SCALE



H PALM STAKING

NO SCALE



I GROUND COVER PLANTING

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Key Map

Consultant Seal

REGISTERED LANDSCAPE ARCHITECT
JON L. POWELL
#3945
EXPIRES: 8/31/17
08.14.17
DATE
STATE OF CALIFORNIA

Consultant

Deneen Powell Atelier, Inc.
TEL. 619.294.9662
FAX. 619.294.9628
www.dpadesign.com
3305 EL CAJON BLVD.
SAN DIEGO, CA 92104
DPA

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS.____ FLS.____ SSS.____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

PLANTING DETAILS

Architect's Seal

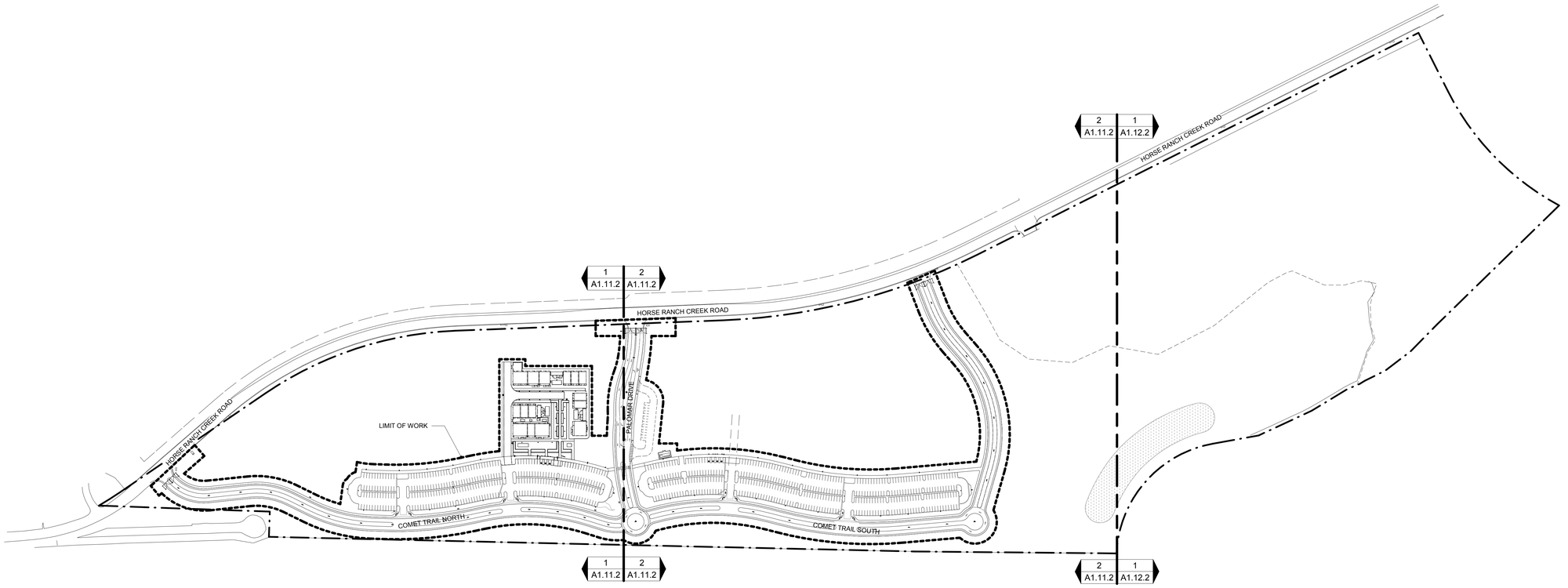
LICENSED ARCHITECT
STACY E. GLASS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: KEE	Project No. 5015019-102
Drawn: KEE	Scale: 1"=10'-0"
QAQC	Drawing No. L-7.1
Date: 10/06/2017	

17-001

PLEASE RECYCLE

DSA SUBMITTAL



CAMPUS PLAN | 1 | 1" = 160'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

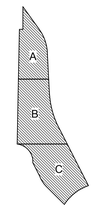
NO.	Note - Detail

LEGEND

LIMIT OF WORK

NOTES

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
OVERALL CAMPUS PLAN

Architect's Seal

LICENSED ARCHITECT — JAMES R. CLARK — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1" = 160'-0"
QAQC SC	Drawing No. A1.10.2
Date: 10/06/2017	

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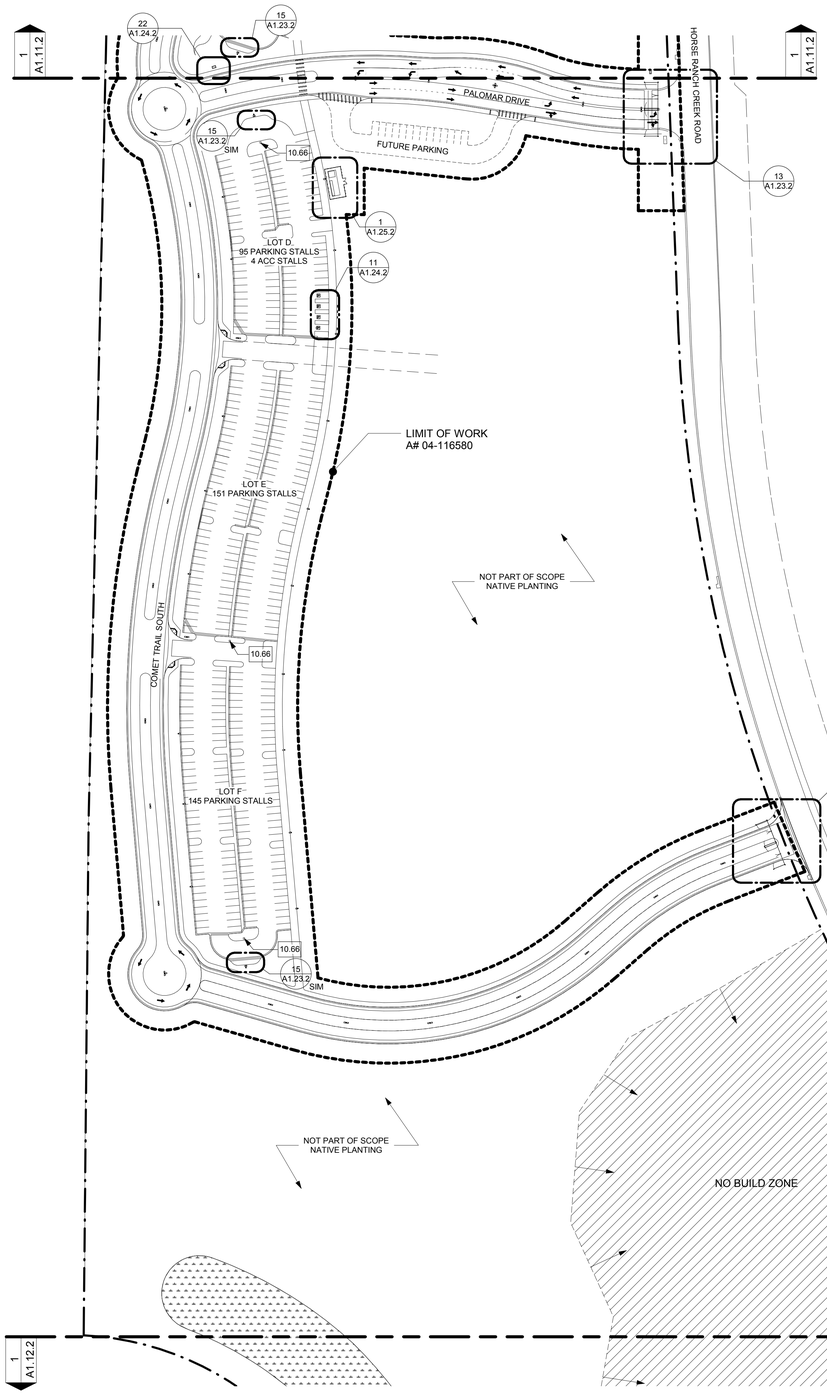
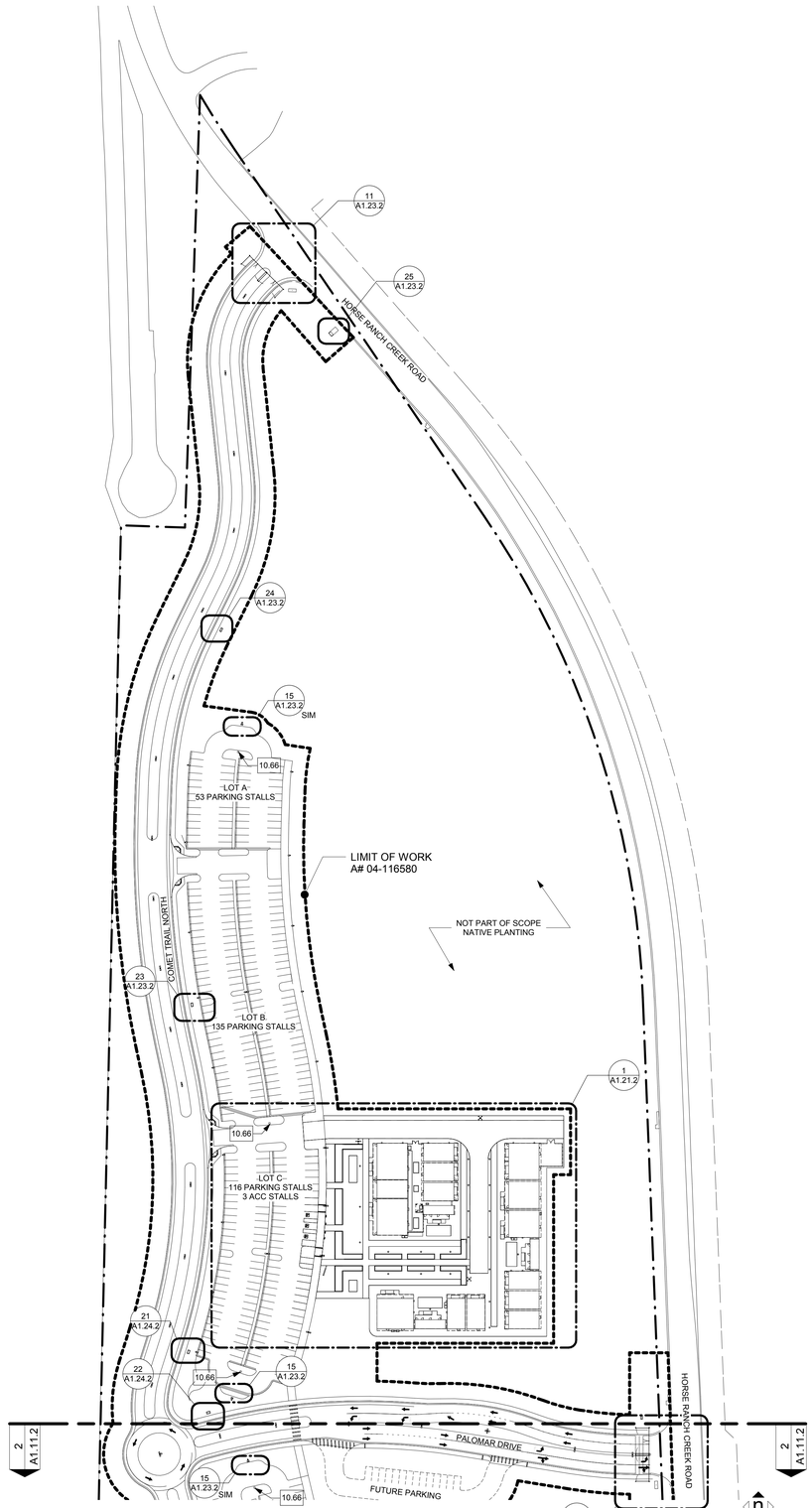
PLEASE RECYCLE

DSA SUBMITTAL



SITE PLAN - SEGMENT B | 2 | 1" = 80'-0"



SITE PLAN - SEGMENT A | 1 | 1" = 80'-0"

KEYNOTES

NO.	Note - Detail
10.66	EMERGENCY PHONE - REFER TO TELECOM DRAWINGS

LEGEND

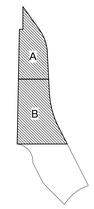
LIMIT OF WORK

PARKING COUNT

TOTAL STALLS PROVIDED	ACCESSIBLE STALLS PROVIDED	ACCESSIBLE VAN STALLS PROVIDED
695	5	2

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
SITE PLAN

Architect's Seal

REGISTERED ARCHITECT BRADFORD L. CLARK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1" = 80'-0"
QAQC SC	Drawing No. A1.11.2
Date: 10/06/2017	

DSA SUBMITTAL

PLEASE RECYCLE

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FOR REFERENCE ONLY

SITE PLAN - SEGMENT C | 1 | 1" = 80'-0"

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PLEASE RECYCLE

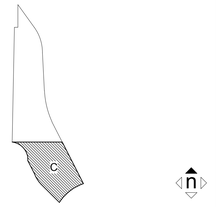
DSA SUBMITTAL

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

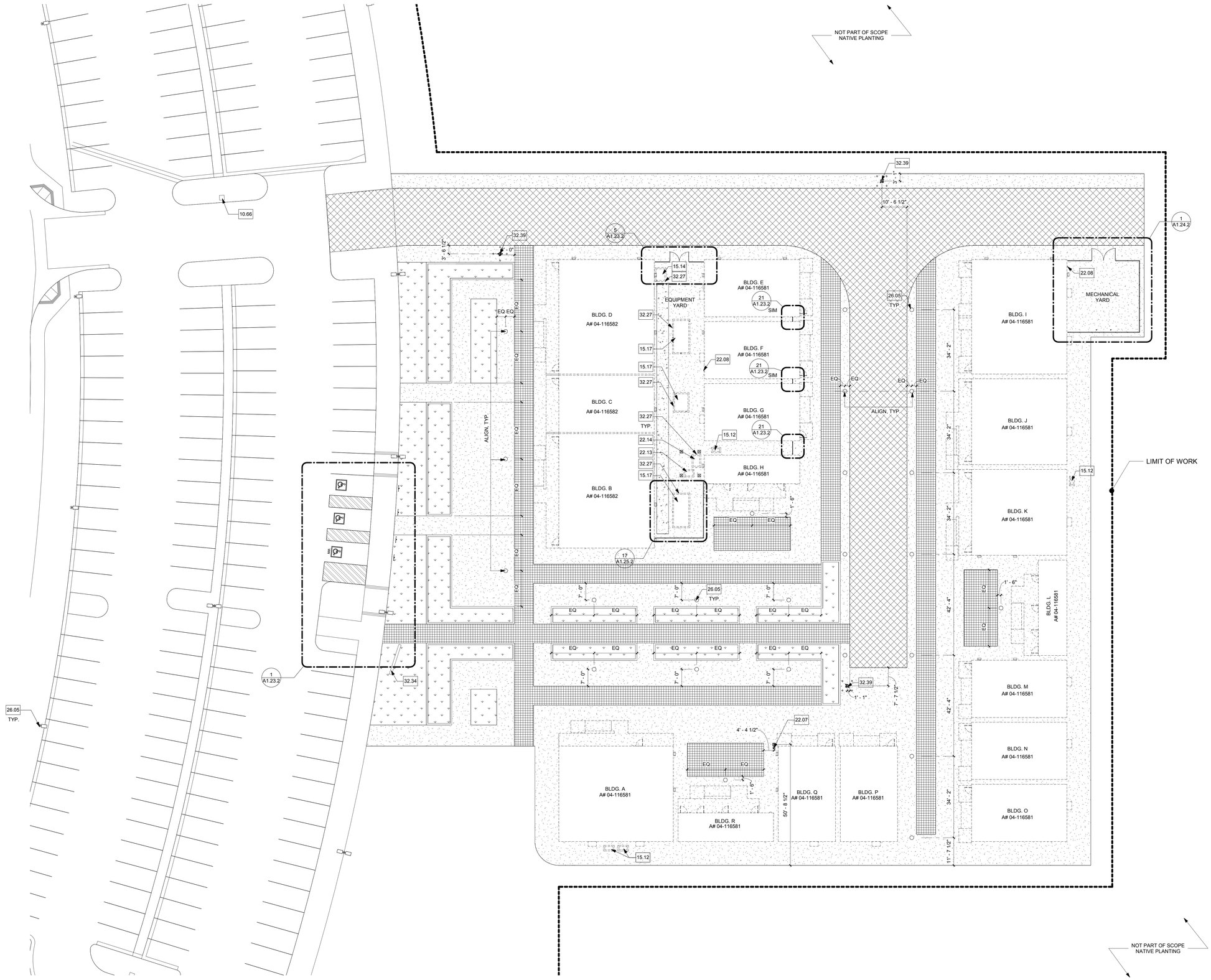
No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
SITE PLAN

Architect's Seal

LICENSED ARCHITECT
BRIAN E. LEE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1" = 80'-0"
QAQC SC	Drawing No. A1.12.2
Date: 10/06/2017	



KEYNOTES

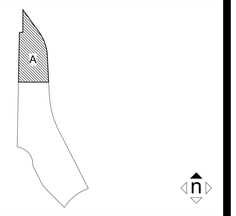
NO.	Note - Detail
10.66	EMERGENCY PHONE - REFER TO TELECOM DRAWINGS
15.12	CONDENSING UNIT, UNDER SEPARATE APPLICATION A# 04-116581
15.14	EXHAUST FAN, UNDER SEPARATE APPLICATION A#116582
15.17	AIR HANDLING UNIT, UNDER SEPARATE APPLICATION A#116582
22.07	DRINKING FOUNTAIN - 16/A10.02
22.08	HOSE BIBB
22.13	LABORATORY COMPRESSOR, UNDER SEPARATE APPLICATION A#116582
22.14	LABORATORY VACUUM, UNDER SEPARATE APPLICATION A#116582
26.05	SITE LIGHT FIXTURE, REFER TO ELECTRICAL DWGS
32.27	CONCRETE 6" HOUSE KEEPING SLAB, UNDER SEPARATE APPLICATION A#116582
32.34	FUTURE ENTRY SIGNAGE, PER A#116312
32.39	FIRE HYDRANT - 13/A10.01

LEGEND

- ASPHALT PAVING PER LANDSCAPE DWGS
- PERMEABLE CONCRETE FIRE LANE CONCRETE PAVING PER CIVIL DWGS
- PERMEABLE PAVERS/CONCRETE PER LANDSCAPE DWGS
- LANDSCAPE PER LANDSCAPE DWGS
- CONCRETE PAVING PER LANDSCAPE DWGS
- FUTURE MODULAR BUILDINGS/EQUIPMENT SCOPE SHOWN IS IN SEPARATE "A" NUMBER, NOT IN THIS CONTRACT

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

ENLARGED SITE PLAN

Architect's Seal

BRADLEY E. GLANCY
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	A1.21.2
Date:	10/06/2017		

ENLARGED SITE PLAN | 1 | 1/16" = 1'-0"

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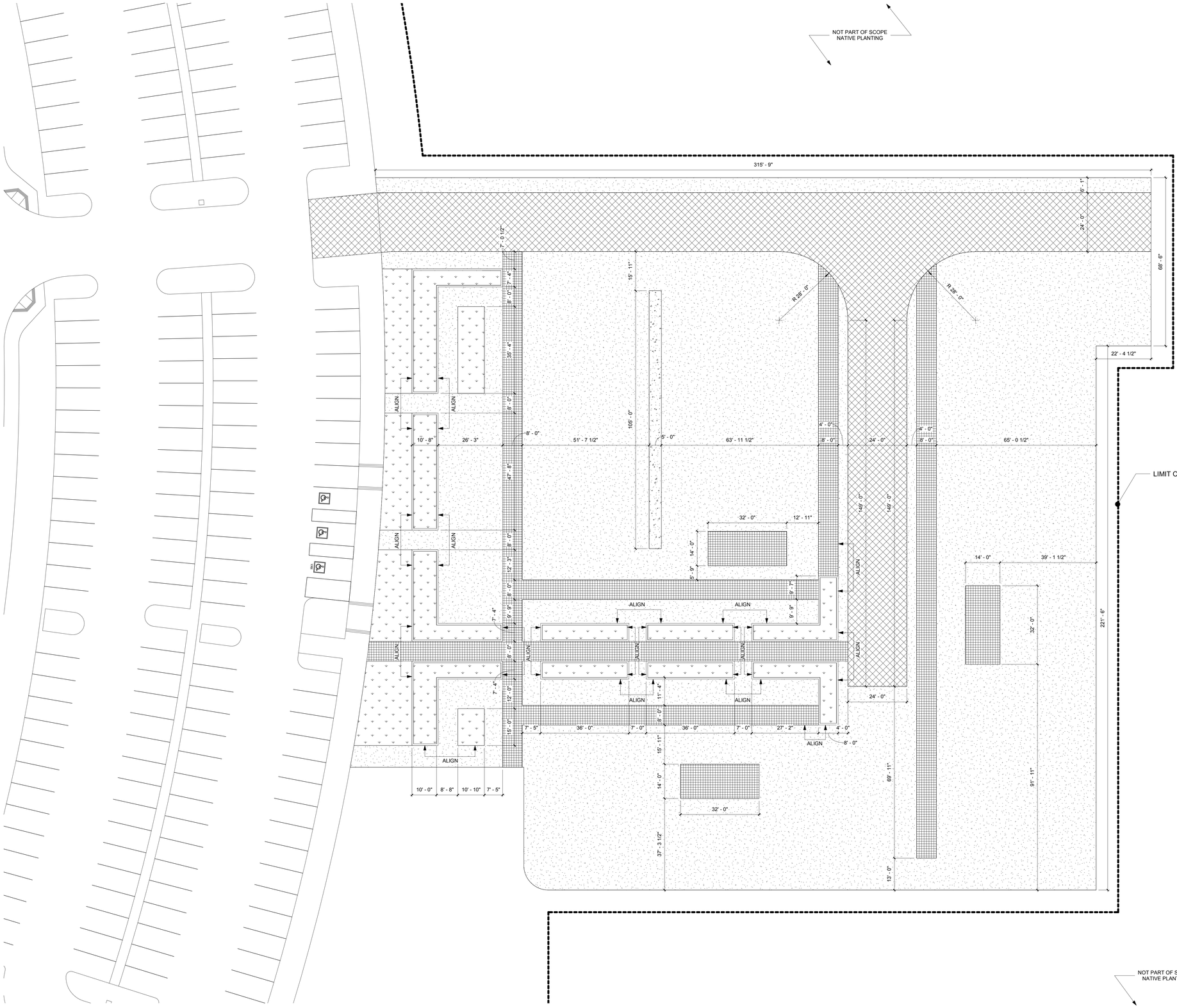
PLEASE RECYCLE

DSA SUBMITTAL



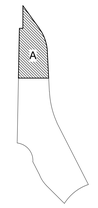
KEYNOTES

LEGEND

- ASPHALT PAVING
  PER LANDSCAPE DWGS
- PERMEABLE CONCRETE FIRE LANE CONCRETE PAVING
  PER CIVIL DWGS
- PERMEABLE PAVERS/CONCRETE
  PER LANDSCAPE DWGS
- LANDSCAPE
  PER LANDSCAPE DWGS
- CONCRETE PAVING
  PER LANDSCAPE DWGS
- FUTURE MODULAR BUILDINGS/EQUIPMENT
  SCOPE SHOWN IS IN SEPARATE "A" NUMBER,
  NOT IN THIS CONTRACT

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS_____ SSS_____

DATE_____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

SITE PAVING PLAN

Architect's Seal

LICENSED ARCHITECT — JEFFREY L. CLARK — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	A1.22.2
Date:	10/06/2017		

ENLARGED SITE PAVING PLAN | 1

1/16" = 1'-0"

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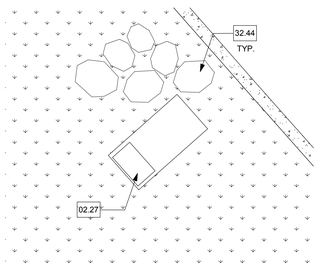
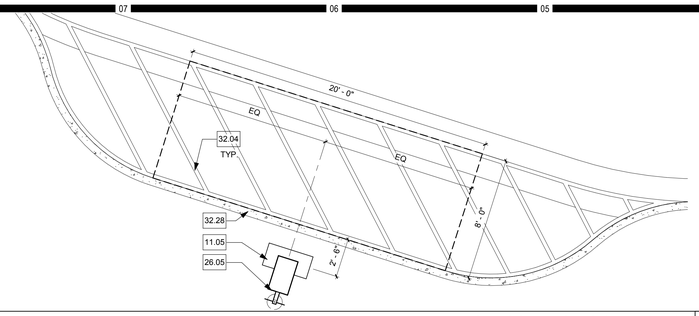
PLEASE RECYCLE

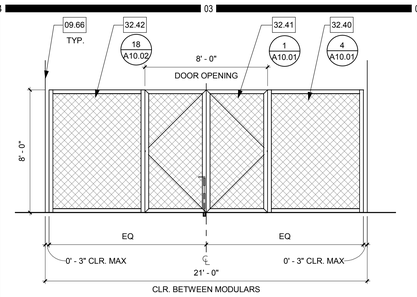
DSA SUBMITTAL



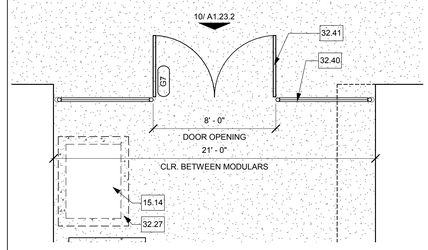
ENLARGED SITE PLAN - PRIMARY SWITCH | 25 | 1/8" = 1'-0"



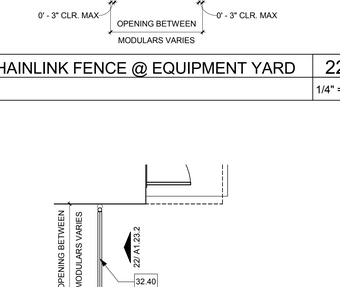
PARKING KIOSK - LOT C (TYPICAL) | 15 | 1/4" = 1'-0"



CHAINLINK GATE @ EQUIPMENT YARD | 10 | 1/4" = 1'-0"



CHAINLINK GATE @ EQUIPMENT YARD | 5 | 1/4" = 1'-0"



NORTH METER PEDESTAL | 24 | 1/8" = 1'-0"

EAST CAMPUS ENTRANCE - MONUMENT SIGN | 13 | 3/32" = 1'-0"

ACCESSIBLE PARKING STALLS - LOT C | 1 | 1/4" = 1'-0"

CHAINLINK FENCE @ EQUIPMENT YARD | 22 | 1/4" = 1'-0"

NORTH CAMPUS ENTRANCE - MONUMENT SIGN | 11 | 3/32" = 1'-0"

CHAINLINK FENCE @ EQUIPMENT YARD | 21 | 1/4" = 1'-0"

HMC Architects

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KEYNOTES

NO.	Note - Detail
02.27	(E) PRIMARY SWITCH TO REMAIN, PROTECT IN PLACE
09.66	EDGE OF MODULAR BUILDING
10.09	ACCESSIBLE ROUTE SIGN AND POST - 3/A10.02
10.10	ACCESSIBLE PARKING SIGN AND POST - 4/A10.02
10.11	ACCESSIBLE VAN PARKING SIGN AND POST - 4/A10.02
11.05	PARKING KIOSK - 15/A10.02
15.14	EXHAUST FAN, UNDER SEPARATE APPLICATION A#116582
26.05	SITE LIGHT FIXTURE, REFER TO ELECTRICAL DWGS
26.07	(N) METER PEDESTAL, REFER TO ELECTRICAL DWGS.
26.08	(N) PRIMARY SWITCH, REFER TO ELECTRICAL DWGS.
32.01	VEHICULAR GATE
32.04	PARKING STRIPING PAINTED WHITE
32.05	LANDSCAPED AREA
32.07	ISA PAVEMENT SYMBOL - 14/A10.02
32.08	CONCRETE WHEEL STOP - 20/A10.01
32.09	12" HIGH "NO PARKING" PAVEMENT MARKING PAINTED WHITE
32.10	TRUNCATED DOMES - 9/A10.01
32.12	ACCESS AISLE - PERIMETER PAINTED BLUE, FIELD PAINTED WHITE
32.27	CONCRETE 6" HOUSE KEEPING SLAB, UNDER SEPARATE APPLICATION A#116582
32.28	CONCRETE CURB
32.30	VAN ACCESSIBLE STALL
32.34	FUTURE ENTRY SIGNAGE, PER A#116312
32.35	LEVEL LANDING (2% MAX CROSS SLOPE)
32.36	FLUSH TRANSITION
32.37	CONCRETE PAVING/WALK
32.38	FUTURE MONUMENT SIGN PER A#116312
32.40	CHAINLINK FENCE
32.41	CHAINLINK GATE
32.42	WIND SCREEN WITHIN INTERIOR OF EQUIPMENT YARD/MAINTENANCE YARD
32.44	BOULDERS, OFCI

NOTES

Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE_____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
ENLARGED SITE PLANS

Architect's Seal
REGISTERED ARCHITECT — BRIAN K. LEE CLARK — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	A1.23.2
Date:	10/06/2017		

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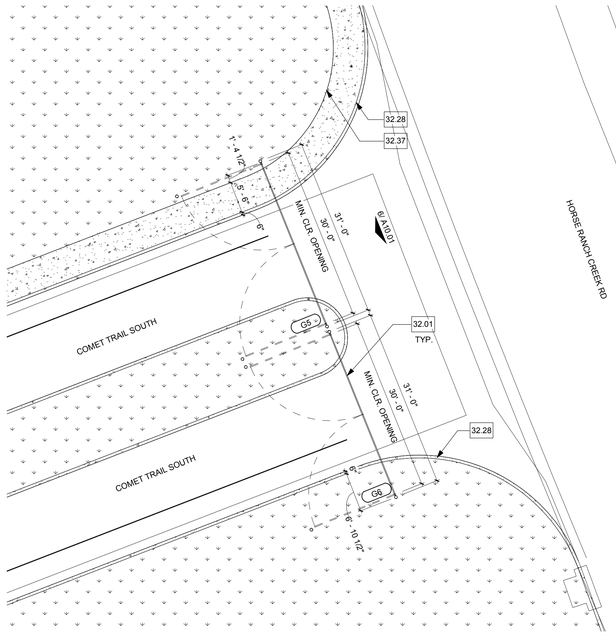
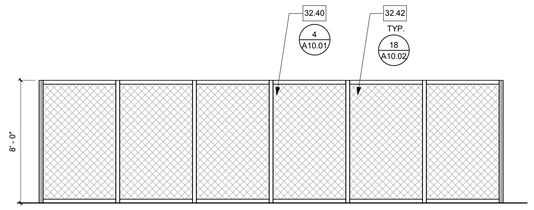
PLEASE RECYCLE

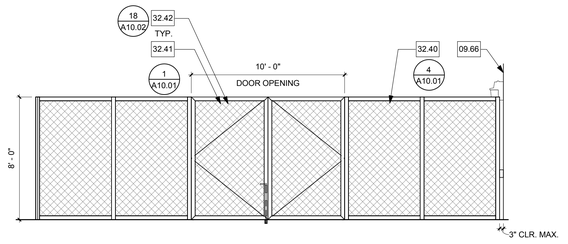
DSA SUBMITTAL



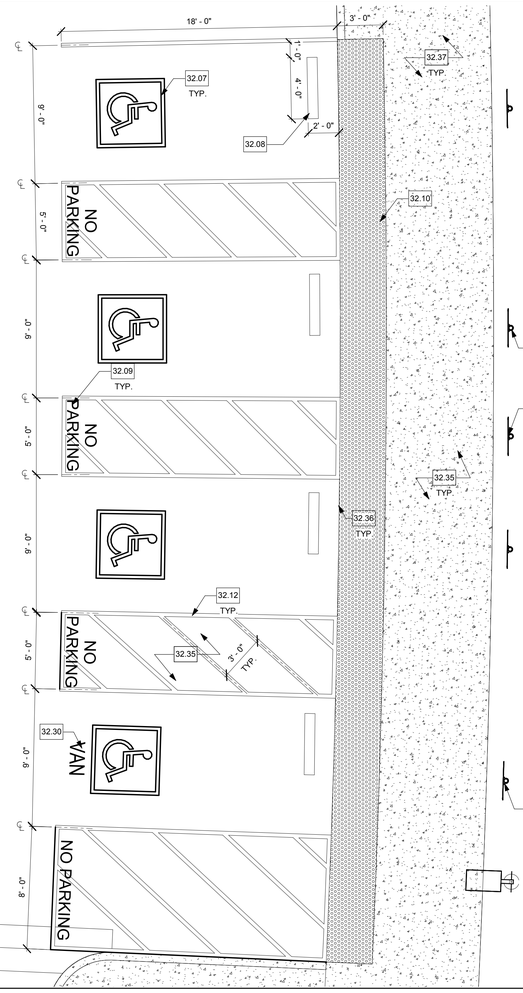
EAST CAMPUS ENTRANCE | 14
3/32" = 1'-0"



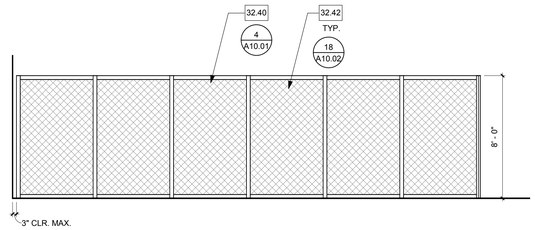
CHAINLINK FENCE @ MAINTENANCE YARD | 5
1/4" = 1'-0"



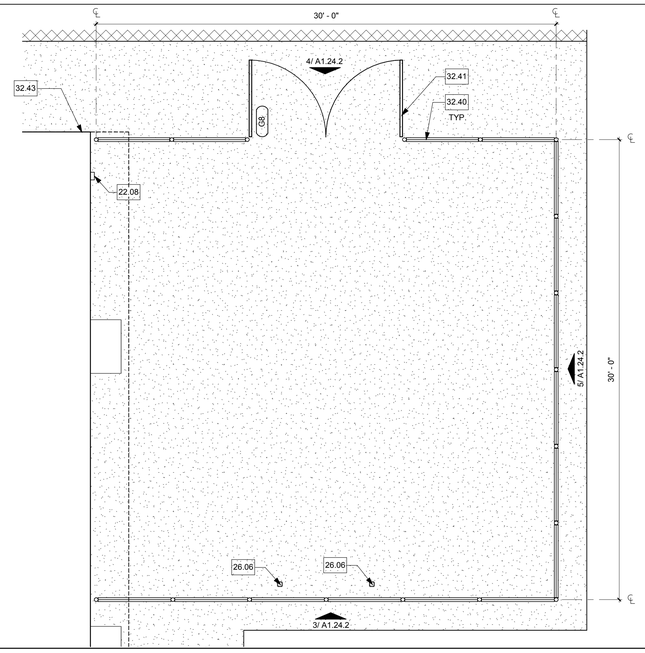
CHAINLINK FENCE @ MAINTENANCE YARD | 4
1/4" = 1'-0"



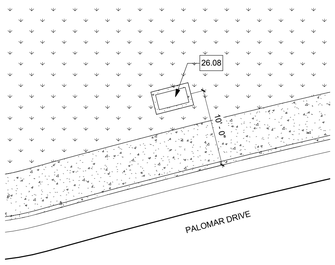
ACCESSIBLE PARKING STALLS - LOT D | 11
1/4" = 1'-0"



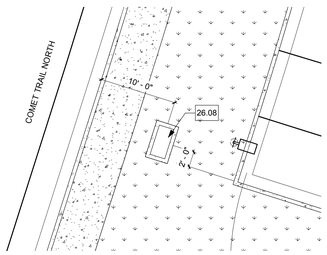
CHAINLINK FENCE @ MAINTENANCE YARD | 3
1/4" = 1'-0"



CHAINLINK FENCE @ EQUIPMENT YARD | 1
1/4" = 1'-0"



PRIMARY SWITCH AT PALOMAR DR. | 22
1/8" = 1'-0"



PRIMARY SWITCH NEAR PARKING LOT C | 21
1/8" = 1'-0"

HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

(SM)

KEYNOTES

NO.	Note - Detail
09.66	EDGE OF MODULAR BUILDING
10.09	ACCESSIBLE ROUTE SIGN AND POST - 3/A10.02
10.10	ACCESSIBLE PARKING SIGN AND POST - 4/A10.02
10.11	ACCESSIBLE VAN PARKING SIGN AND POST - 4/A10.02
22.08	HOSE BIBB
26.06	CHARGING STATION - REFER TO ELECTRICAL DWGS
26.08	(N) PRIMARY SWITCH, REFER TO ELECTRICAL DWGS.
32.01	VEHICULAR GATE
32.07	ISA PAVEMENT SYMBOL - 14/A10.02
32.08	CONCRETE WHEEL STOP - 20/A10.01
32.09	12" HIGH "NO PARKING" PAVEMENT MARKING PAINTED WHITE
32.10	TRUNCATED DOMES - 9/A10.01
32.12	ACCESS AISLE - PERIMETER PAINTED BLUE, FIELD PAINTED WHITE
32.28	CONCRETE CURB
32.30	VAN ACCESSIBLE STALL
32.35	LEVEL LANDING (2% MAX CROSS SLOPE)
32.36	FLUSH TRANSITION
32.37	CONCRETE PAVING/WALK
32.40	CHAINLINK FENCE
32.41	CHAINLINK GATE
32.42	WIND SCREEN WITHIN INTERIOR OF EQUIPMENT YARD/MAINTENANCE YARD
32.43	MODULAR BUILDING

NOTES

Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
ENLARGED SITE PLANS

Architect's Seal — LICENSED ARCHITECT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: BL		Project No.	5015019-102
Drawn: AC, MB		Scale:	As indicated
QAQC	SC	Drawing No.	A1.24.2
Date:	10/06/2017		

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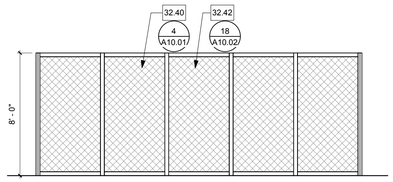
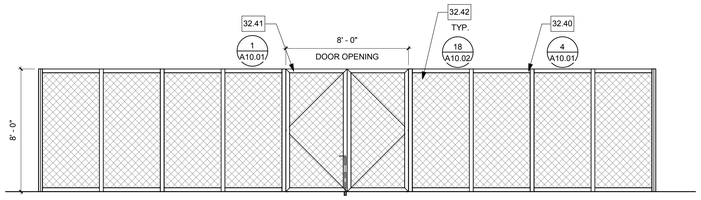
10/5/2017 4:31:47 PM

PLEASE RECYCLE

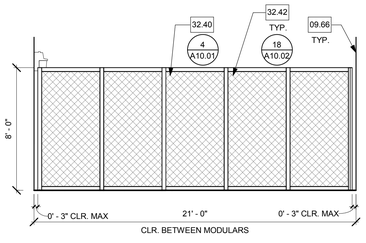
DSA SUBMITTAL



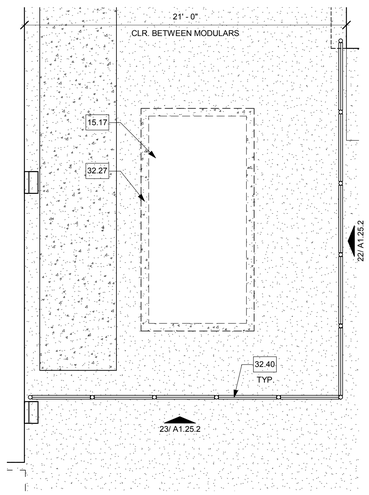
CHAINLINK FENCE - EQUIPMENT YARD | 15
LOT D | 1/4" = 1'-0"

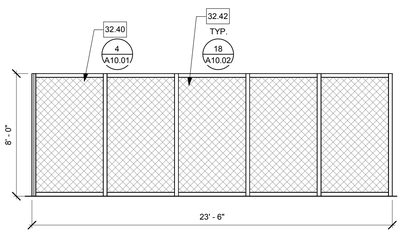


CHAINLINK FENCE - EQUIPMENT YARD | 5
LOT D | 1/4" = 1'-0"



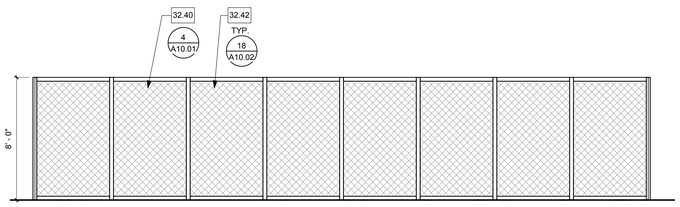
SOUTH CHAINLINK FENCE @ EQUIPMENT YARD | 23
1/4" = 1'-0"



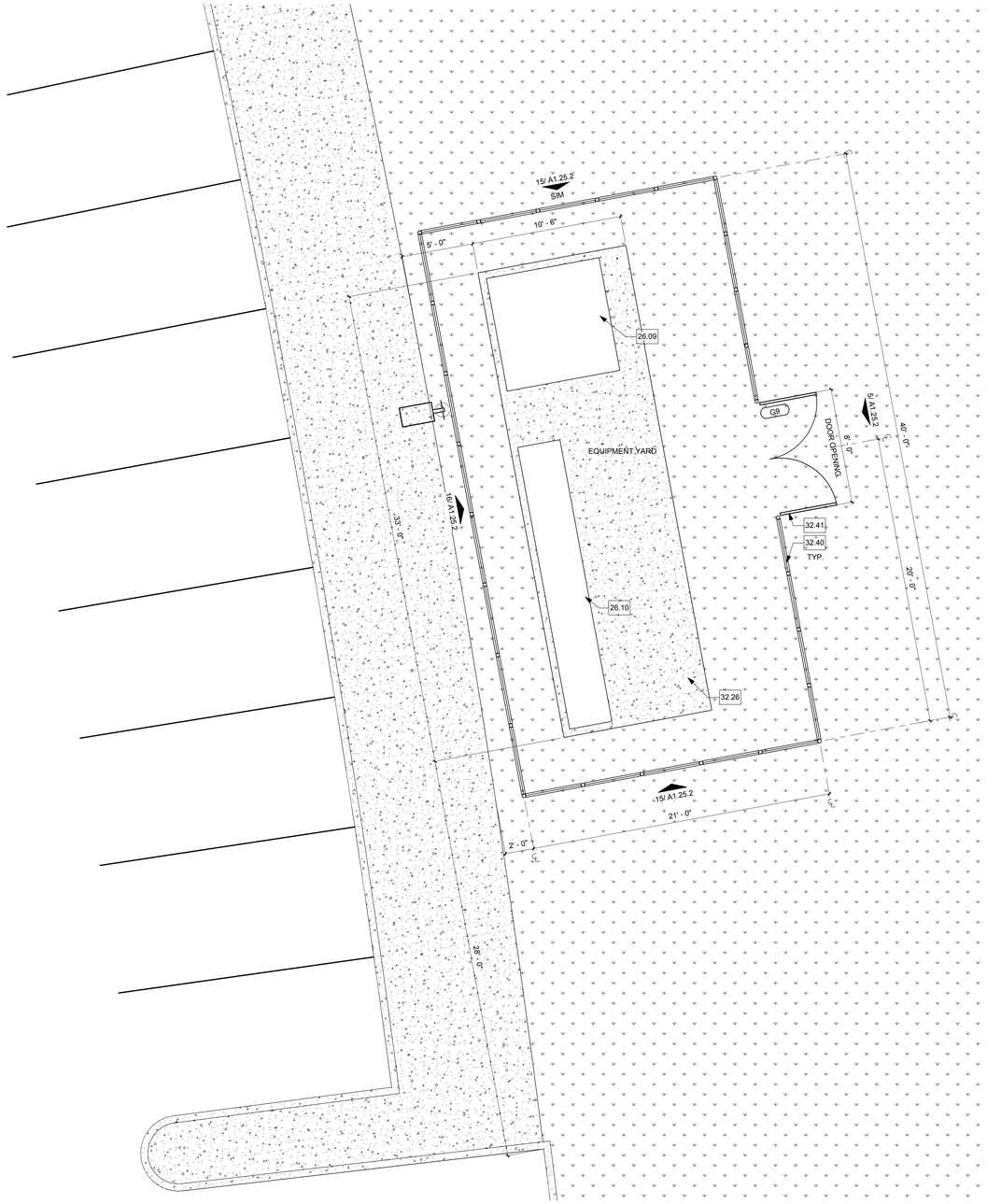


SOUTH CHAINLINK FENCE @ EQUIPMENT YARD | 22
1/4" = 1'-0"

SOUTH CHAINLINK FENCE @ EQUIPMENT YARD | 17
1/4" = 1'-0"



CHAINLINK FENCE - EQUIPMENT YARD | 16
LOT D | 1/4" = 1'-0"



CHAINLINK FENCE @ EQUIPMENT YARD NEAR LOT D | 1
1/4" = 1'-0"

HMC Architects

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SM

KEYNOTES

NO.	Note - Detail
09.66	EDGE OF MODULAR BUILDING
15.17	AIR HANDLING UNIT, UNDER SEPARATE APPLICATION A#116582
26.09	(N) TRANSFORMER, REFER TO ELECTRICAL DWGS.
26.10	(N) SWITCHBOARD, REFER TO ELECTRICAL DWGS.
32.26	CONCRETE 6" HOUSE KEEPING SLAB
32.27	CONCRETE 6" HOUSE KEEPING SLAB, UNDER SEPARATE APPLICATION A#116582
32.40	CHAINLINK FENCE
32.41	CHAINLINK GATE
32.42	WIND SCREEN WITHIN INTERIOR OF EQUIPMENT YARD/MAINTENANCE YARD

NOTES

Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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DATE____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date

Drawing Title:
ENLARGED SITE PLANS

Architect's Seal

LICENSED ARCHITECT — ROBERT E. PLASKETT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1/4" = 1'-0"
QAQC SC	Drawing No. A1.25.2
Date: 10/06/2017	

DSA SUBMITTAL

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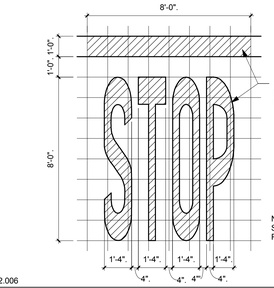
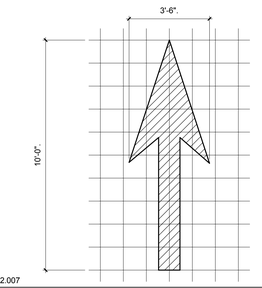


32.006

PAINTED STOP LINE 25

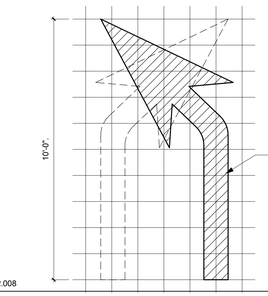
N.T.S.



32.007

PAINTED DIRECTIONAL ARROW 24

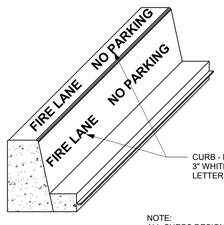
N.T.S.



32.008

PAINTED RIGHT OR LEFT TURN ARROW 23

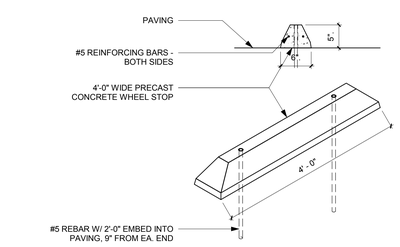
N.T.S.



32.003

FIRE LANE CURB PAINTING 22

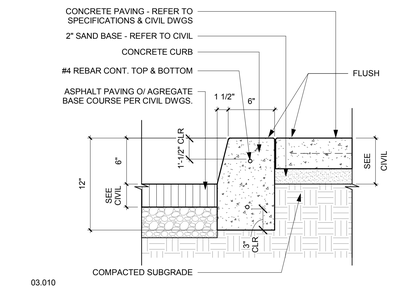
3/4" = 1'-0"



32.015

PRECAST WHEEL STOP 20

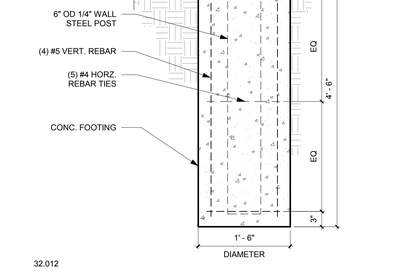
3/4" = 1'-0"



03.010

CONCRETE CURB DETAIL 19

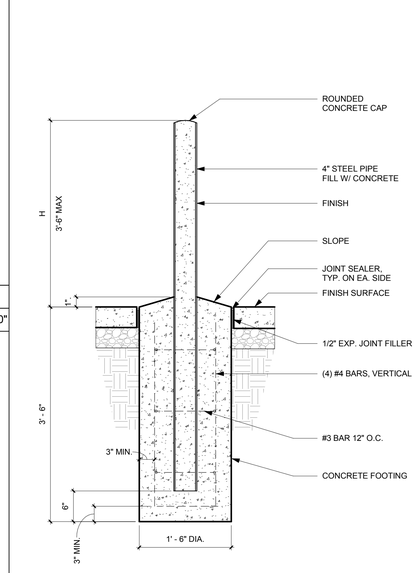
1 1/2" = 1'-0"



32.012

TRAFFIC CONTROL GATE POST 17

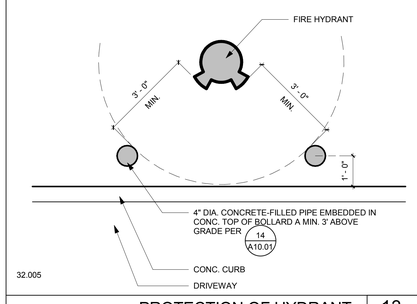
1" = 1'-0"



32.009

METAL PIPE BOLLARD 14

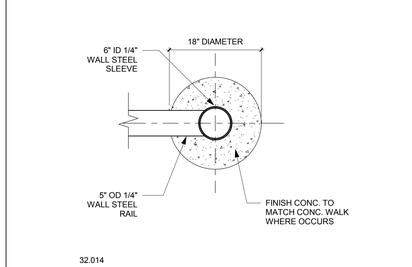
1" = 1'-0"



32.005

PROTECTION OF HYDRANT 13

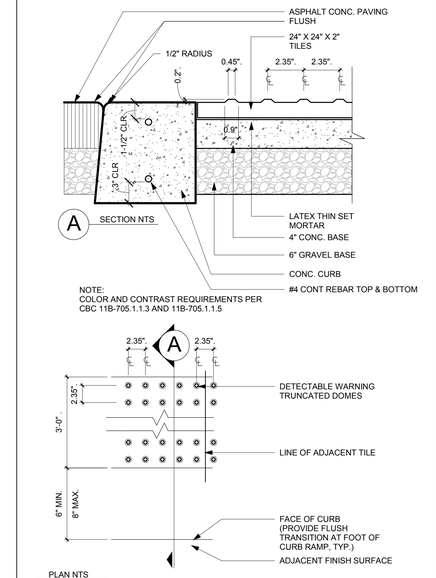
1/2" = 1'-0"



32.014

TRAFFIC CONTROL GATE POST - PLAN 12

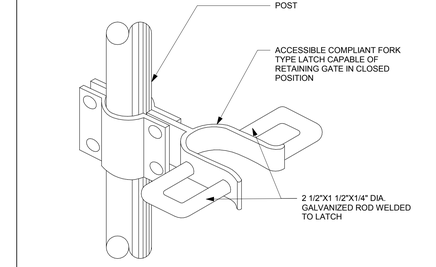
1" = 1'-0"



32.002

TRUNCATED DOME PAVERS 9

1/8" = 1'-0"



05.213

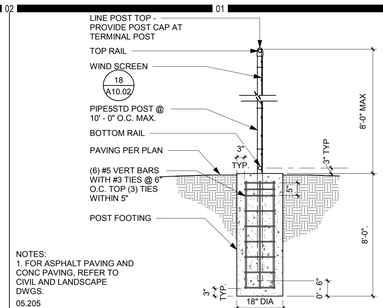
ACCESSIBLE FORK TYPE LATCH 7

1/2" = 1'-0"

05.210

C.L. GATE DETAIL 8

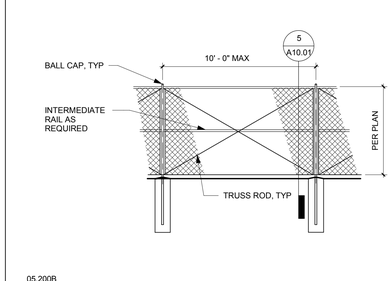
1/4" = 1'-0"



05.205

CHAIN LINK FENCE & GATE ELEVATION 5

1/2" = 1'-0"



05.200B

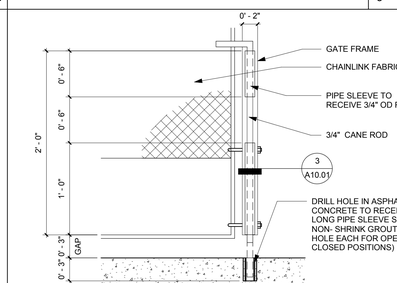
CHAIN LINK FENCE 4

1/4" = 1'-0"

05.212

CANE BOLT SECTION 3

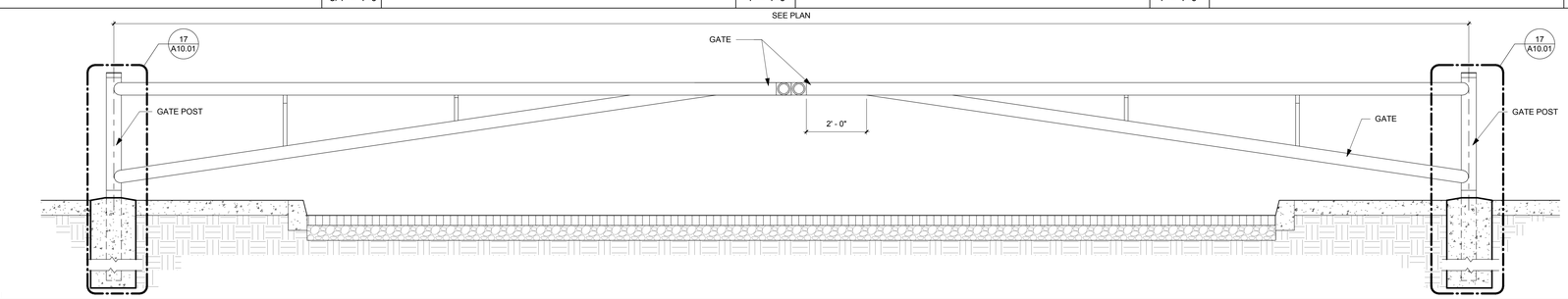
3" = 1'-0"



05.211

CANE BOLT ELEVATION AT METAL GATE 2

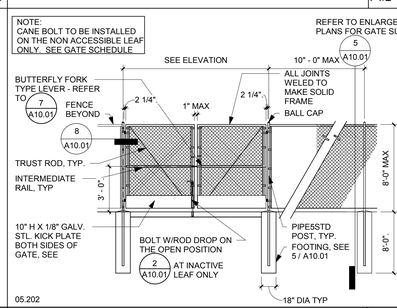
1 1/2" = 1'-0"



32.011

TRAFFIC CONTROL GATE - ELEVATION 6

1/2" = 1'-0"



05.202

DOUBLE C.L. GATES 1

1/4" = 1'-0"

KEYNOTES

NOTES

HMC Architects
3546 Concours Street / Ontario, CA 91764
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Consultant Seal

Agency Approval FILE NO. 37-C1
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Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
SITE DETAILS

Architect's Seal
LICENSED ARCHITECT
LEE D. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: As indicated
QAQC SC	Drawing No. A10.01
Date: 10/06/2017	

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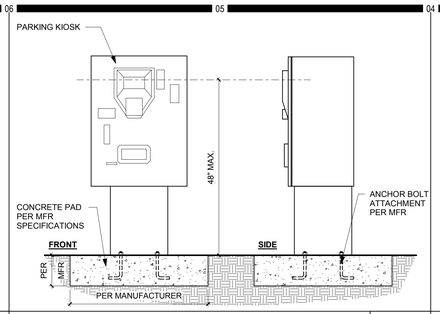
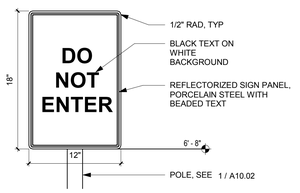
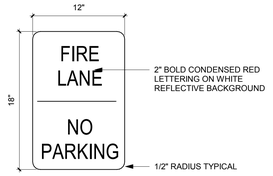


10.132

PARKING KIOSK | 15 | 3/4" = 1'-0"



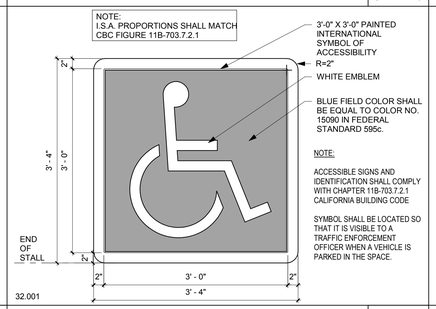
DO NOT ENTER SIGN | 10 | 1 1/2" = 1'-0"



NOTE:
SIGN SHALL BE SECURELY MOUNTED ON THE FRONT AND BACK FACE OF THE GATE CLEARLY VISIBLE TO TRAFFIC ENTERING THE DESIGNATED AREA.

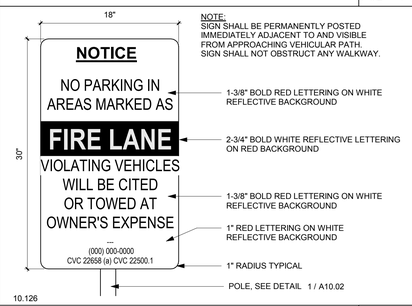
10.128

FIRE LANE GATE SIGN | 5 | 1 1/2" = 1'-0"



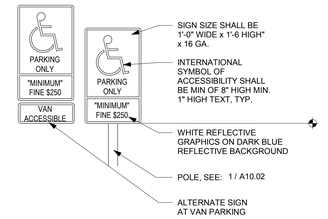
32.001

INTERNATIONAL SYMBOL OF ACCESSIBILITY | 14 | 1" = 1'-0"



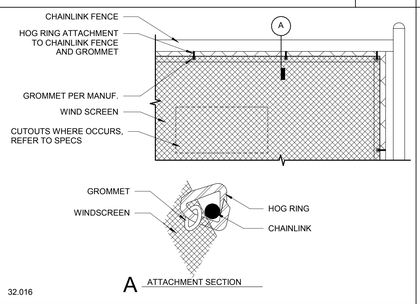
10.126

FIRE LANE ENTRY SIGN | 9 | 1 1/2" = 1'-0"



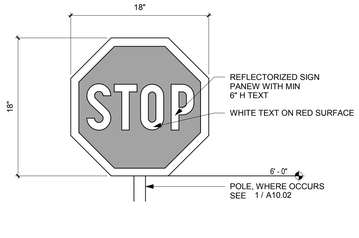
10.123

ACCESSIBLE PARKING SIGN | 4 | 3" = 1'-0"



32.016

WINDSCREEN ATTACHMENT | 18 | 1 1/2" = 1'-0"



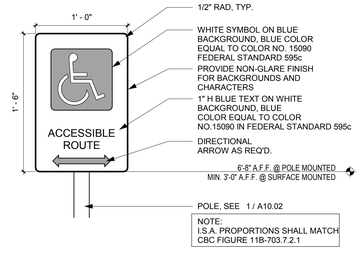
10.129

STOP SIGN | 13 | 1 1/2" = 1'-0"

NOTE:
SIGN SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA.

10.127

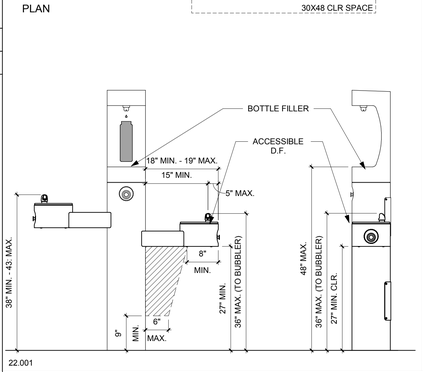
FIRE LANE SIGN | 8 | 1 1/2" = 1'-0"



NOTE:
I.S.A. PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

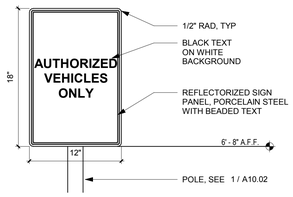
10.124

ACCESSIBLE ROUTE & RAMP SIGN | 3 | 1 1/2" = 1'-0"



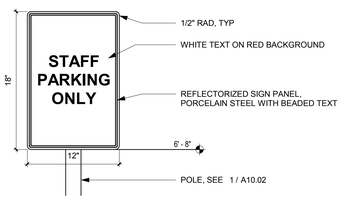
22.001

DRINKING FOUNTAIN | 16 | 3/4" = 1'-0"



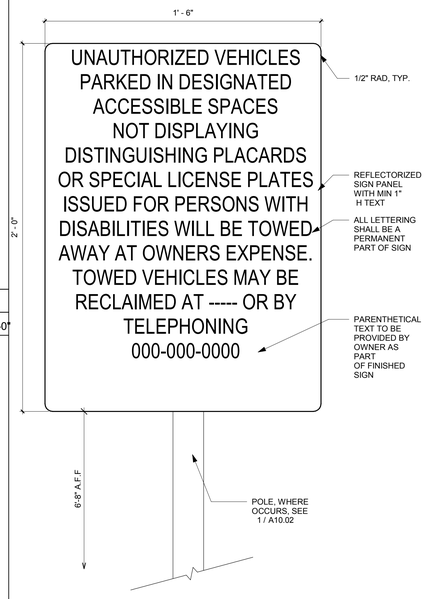
10.130

AUTHORIZED VEHICLES ONLY SIGN | 12 | 1 1/2" = 1'-0"



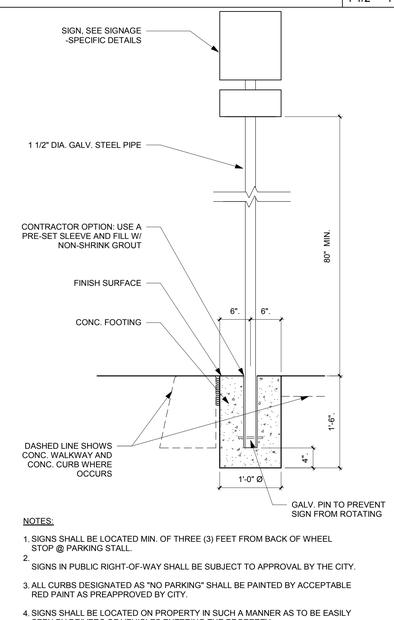
10.131

STAFF PARKING ONLY SIGN | 11 | 1 1/2" = 1'-0"



10.121

TOW AWAY SIGN | 6 | 3" = 1'-0"



NOTES:
1. SIGNS SHALL BE LOCATED MIN. OF THREE (3) FEET FROM BACK OF WHEEL STOP @ PARKING STALL.
2. SIGNS IN PUBLIC RIGHT-OF-WAY SHALL BE SUBJECT TO APPROVAL BY THE CITY.
3. ALL CURBS DESIGNATED AS "NO PARKING" SHALL BE PAINTED BY ACCEPTABLE RED PAINT AS PREAPPROVED BY CITY.
4. SIGNS SHALL BE LOCATED ON PROPERTY IN SUCH A MANNER AS TO BE EASILY SEEN BY DRIVERS OF VEHICLES ENTERING THE PROPERTY.

10.119

TYP. POLE MOUNTED SIGN FOOTING | 1 | N.T.S.

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3546 Concours Street / Ontario, CA 91764
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KEYNOTES

NOTES

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Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE_____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
SITE DETAILS

Architect's Seal
LICENSED ARCHITECT BRADLEY E. GLANCY NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	A10.02
Date:	10/06/2017		

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LEGEND

SYMBOL	DESCRIPTION
-	NOTE CALLOUT
- -	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
- -	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
- - -	SECTION CALLOUT
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	CHANGING PIPE SIZE
4" CHWR	NEW PIPE (SIZE-SERVICE)
	EXISTING PIPE/EQUIPMENT
	DEMOLISHED PIPE/EQUIPMENT
G	LOW PRESSURE NATURAL GAS
MPG	MEDIUM PRESSURE NATURAL GAS
IW	INDIRECT WASTE
	SANITARY SEWER/WASTE UNDERGROUND
	SANITARY SEWER/WASTE ABOVEGROUND
	SANITARY VENT
	DOMESTIC HOT WATER RETURN
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC COLD WATER
SD	STORM DRAIN PIPING
SSD	SUBSOIL DRAIN
AW	ACID WASTE
AV	ACID VENT
TW	TEMPERED WATER
CD	CONDENSATE DRAIN
LA	LABORATORY COMPRESSED AIR
ICW	NONPOTABLE COLD WATER
LV	LABORATORY VACUUM
	VALVE AT DROP
	VALVE AT RISE
	ELBOW DOWN
	PIPE TEE UP & DOWN OR ELBOW UP
	PIPE TEE DOWN
	PIPE TEE UP

SYMBOL	DESCRIPTION
S	SOLENOID VALVE
	GATE VALVE
	BALL VALVE
PR	PRESSURE REDUCING VALVE
	CHECK VALVE, SWING
	PLUG VALVE
	STRAINER, Y-TYPE
FM	FLOW METER
	BACKFLOW PREVENTER
	HOSE BIBB
	FLOOR DRAIN
S	FLOOR SINK, 1/2 GRATE
	AREA DRAIN / INDUSTRIAL RECEPTOR
	SHUT-OFF VALVE IN YARDBOX
	BALANCING VALVE
	FLOOR CLEANOUT
	CLEANOUT TO GRADE
	WALL CLEANOUT
	WATER HAMMER ARRESTOR
	TRAP PRIMER

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
@	AT
ABV	ABOVE
A/C	ABOVE CEILING
AC	ACETYLENE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFSR	AUTOMATIC FIRE SPRINKLER RISER
AR	ARGON GAS
AV	ACID VENT
AW	ACID WASTE
BEL	BELOW
BFP	BACKFLOW PREVENTER
B/G	BELOW GRADE
B/F	BELOW FLOOR
BTM	BOTTOM
BV	BALL VALVE
CI	CAST IRON
CIP	CAST IRON PIPE
CLG	CEILING
COTG	CLEAN-OUT TO GRADE
CU	CUBIC
CW	COLD WATER
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING(S)
(E)	EXISTING
EXIST	EXISTING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
F	FIRE
F/A	FROM ABOVE
F/B	FROM BELOW
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FM	FORCE MAIN
FS	FLOOR SINK
FT	FEET
G	NATURAL GAS (LOW PRESSURE)
GAL	GALLONS
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
H&CW	HOT AND COLD WATER
H/L	HIGH LEVEL
HDR	HEADER
HT	HEIGHT
IN	INCHES
IW	INDIRECT WASTE
L or LAV	LAVATORY
MAX	MAXIMUM
MIN	MINIMUM
MPG	NATURAL MEDIUM PRESSURE GAS
MTD	MOUNTED
NTS	NOT TO SCALE
O	OXYGEN
OD	OVERFLOW DRAIN
OS&Y	OPEN SCREW AND YOKE
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RI&C	ROUGH-IN AND CONNECT
S	SINK, SEWER, SOIL
SD	STORM DRAIN
SOV	SHUT-OFF VALVE
SQ	SQUARE
SS	SERVICE SINK
T/A	TO ABOVE
T/B	TO BELOW
TP	TRAP PRIMER
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	SANITARY VENT
VOLT	VOLTAGE
VTR	VENT THRU ROOF
W	WASTE
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEAN-OUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR

REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2016 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD.
8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COLLEGE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE COLLEGE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES, PIPE SUPPORTS AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED OR ADDITIONAL ITEMS REQUIRED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS, ALTERATIONS AND / OR ADDITIONS.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND PROVIDE SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF ALL HVAC AND PIPING SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE UNIVERSITY REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"= 1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW. CONTRACTOR SHALL PROVIDE DIMENSIONED SHOP DRAWINGS COMPLETED IN THE LATEST VERSION OF AUTOCAD.
12. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
13. BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
17. ALL PLUMBING FIXTURE VENTS TO TERMINATE MINIMUM 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM OR 3 FEET ABOVE ANY OUTSIDE AIR INTAKES. NO FLAGPOLING PERMITTED.
18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
19. ALL PIPING DISCHARGING INTO FLOOR-SINKS AND/OR FLOOR DRAINS SHALL MAINTAIN MINIMUM AIR-GAP AS REQUIRED BY LOCAL CODES.
20. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
21. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
23. EQUIPMENT ANCHORAGE NOTES:

    ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 6 AND 30.

    A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

    B. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

    C. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

    THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT:

    A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

    B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

    FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
24. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

    PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 ITEM 6, AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

    THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

    COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM.

    THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
25. PLUMBING FIXTURES AND FAUCETS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY COMMISSION AS REQUIRED BY THE CALIFORNIA ENERGY EFFICIENCY STANDARDS SECTION S-5314 AND TABLE 'G'.
26. ALL SOIL, WASTE, STORM DRAIN AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
27. PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. W1001. SEE ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.
28. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.
29. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
30. KEEP ALL PIPING FROM LOAD BEARING FOOTINGS. IF UNABLE TO CLEAR FOOTINGS OR GRADE BEAMS, INSTALL PIPING THROUGH PIPE SLEEVES.
31. BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT AND FIXTURES. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
32. ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF 2016 CBC CHAPTER 11A AND/OR 11B. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC 2016 SECTION 1138A. FIXTURE CONTROLS SHALL COMPLY WITH CBC 2016 SECTION 1138A.4.
33. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
34. ALL VENT THROUGH ROOF SHALL BE MINIMUM OF 3 FEET VERTICALLY AND 10 FEET HORIZONTALLY FROM ANY AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES.
35. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, ROOF, OVERFLOW DRAINS AND FLOOR SINKS.
36. FIXTURES SHALL BE PROTECTED DURING CONSTRUCTION FROM ANY DAMAGES. REFINISHED FIXTURES WILL NOT BE ACCEPTABLE UNDER ANY CONDITIONS.
37. HOSE BIB WITH VACUUM BREAKER SHALL BE PROVIDED UNDER LAVATORY IN EACH PUBLIC RESTROOM.
38. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS WITH MANVILLE AERO-TUBE OR EQUAL TO PREVENT CONDENSATE DRIPS.
39. INSULATE WASTE PIPE AND P-TRAP FROM FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS COLLECTING INDIRECT DRAINS FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS TO PREVENT CONDENSATE DRIPS. INSULATE WASTE PIPE UP TO THE NEXT 3' OR 4' MAIN CONNECTION.
40. PROVIDE AND INSTALL GAS COCKS AND UNION AT EACH GAS FIRED EQUIPMENT.
41. PROVIDE AND INSTALL CHROME ANGLE VALVES ON HOT AND COLD WATER SUPPLY AT EACH PLUMBING FIXTURES.
42. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE APPROVED FLOW RESTRICTORS.
43. COVER ALL FLOOR DRAINS, FLOOR SINKS, ROOF AND OVERFLOW DRAINS DURING CONSTRUCTIONS TO PREVENT DEBRIS FROM ENTERING PIPE AND PROTECT GRATES FROM DAMAGES.
44. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT ALL EQUIPMENT LOCATIONS.
45. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL TAMPER AND FLOW SWITCH LOCATIONS.
46. BECAUSE OF THE SMALL SCALE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING INSTALLATION OF HIS WORK, FURNISHING THE NECESSARY PIPING, FITTINGS, VALVES, TRAPS, AND OTHER DEVICES WHICH MAY BE REQUIRED TO COMPLETE THE INSTALLATION.
47. UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO STRUCTURAL ELEMENTS BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL STRUCTURAL ENGINEER PRIOR TO START WORK.
48. ITEMS NOT SHOWN IN THE DRAWINGS BUT NECESSARY FOR COMPLETE OPERATION OF THE SYSTEM/FIXTURES/EQUIPMENT OR FOR COMPLETE CODE INSTALLATION SHALL BE PROVIDED AT NO ADDED COST TO THE OWNER.
49. DIELECTRIC UNION ISOLATOR WITH THREADED CONNECTIONS SHALL BE PROVIDED FOR CONNECTING INCOMPATIBLE MATERIALS.
50. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
51. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES TO WHERE HE IS TO CONNECT PRIOR TO INSTALLATION OF ANY PIPING. EXTEND NEW PIPING IF NECESSARY TO WHERE THE EXISTING IS.
52. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNERS REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
53. ALL EXISTING PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.
54. PROVIDE AND INSTALL WATER HAMMER ARRESTORS IN THE FOLLOWING LOCATIONS (ONLY NON-FERROUS ARRESTORS MAY BE INSTALLED IN ANY WATER SYSTEM):

    A. WATER LINES TO LAVATORY HEADERS, WATER CLOSET AND URINAL HEADERS, SERVICE SINKS, KITCHEN SINKS, WASH FOUNTAINS, DRINKING FOUNTAINS, LABORATORIES WITH MEDICAL TYPE FAUCETS AND ON WASH SINKS HAVING 3 OR MORE STATIONS AND ALL OTHER QUICK CLOSING FIXTURE SUCH AS CLOTHES WASHERS, AS CLOSE TO FIXTURE AS POSSIBLE.

    B. BETWEEN LAST 2 FIXTURES WHEN 3 OR MORE FIXTURES, OTHER THAN THOSE LISTED IN "A" ABOVE, ARE SERVED BY A COMMON HEADER.

    C. WHEN ARRESTOR SHALL BE INSTALLED IN WALL OR FURRING, FURNISH WITH AN ACCESS PLATE LARGE ENOUGH TO PERMIT REMOVAL OF ARRESTOR. ACCESS PLATE SHALL BE A MINIMUM OF 2 INCHES LARGER IN EACH DIRECTION THAN ARRESTOR.
55. ALL PIPING INTO STEM WALLS AND FOOTINGS SHALL BE DOUBLE HALF LAP WRAPPED WITH 1/8" THICK "ARMAFLEX" INSULATION. THE CONTRACTOR SHALL ALSO PROVIDE BLOCKED OUT AREAS IN STEM WALL AND FOOTING. ALL PIPING SHALL AVOID THE LOWER 8" OF THE FOOTING.
56. ALL HOT WATER PIPING SHALL BE INSULATED. INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50 PER 2016 CMC SEC. 1201.3.2.11. SEE SPECIFICATION FOR OTHER REQUIREMENTS.
57. ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR.
58. CLEANOUTS SHALL BE PROVIDED PER 2016 CPC SECTION 707.0 & 719.0 AND TO THE FOLLOWING LOCATIONS:

    A. AT EACH BASE OF ROOF DRAIN DOWNSPOUTS.

    B. AT EACH BASE OF WASTE STACK.

    C. AT EVERY 100 FT OF STRAIGHT RUN OF HORIZONTAL PIPING .

    D. AT EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE (135) DEGREES.

    E. AT EACH HORIZONTAL DRAINAGE PIPE UPPER TERMINAL

    F. ABOVE EACH URINAL.

    G. BELOW EACH SINK.
59. PROVIDE SEDIMENT TRAP AS CLOSE AS POSSIBLE TO ALL GAS APPLIANCES AND GAS FIRED EQUIPMENTS INLET EXCEPT FOR APPLIANCES LISTED PER 2016 CPC SECTION 1211.8. SEE SEDIMENT TRAP INSTALLATION PER 2016 CPC FIGURE 1211.8.
60. DOMESTIC WATER PIPING AND COMPONENTS SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA AB 1953 LEGISLATION, WHICH LIMITS THE ALLOWABLE LEAD CONTENT IN CERTAIN DOMESTIC WATER SYSTEM COMPONENTS.
61. ALL PLUMBING FIXTURES AND FITTINGS SHALL MEET CALGREEN MANDATORY REQUIREMENT OF 20% REDUCED FLOW RATE SPECIFIED IN TABLE 5.303.2.3.

SHEET INDEX

SHEET	DESCRIPTION
PG0.01	GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SHEET INDEX
PG1.01	PLUMBING SITE PLAN AND MATERIAL SCHEDULE
PG6.01	DETAILS

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

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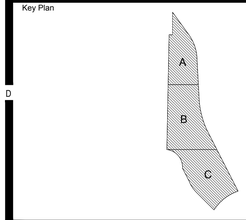
KEY NOTES

NO.	Note - Detail

NOTES

Key Plan



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SIGNED: 10/06/2017

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PALOMAR COLLEGE

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

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Drawing Title:

General Notes, Legend And Abbreviations

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PIPE MATERIALS

GAS PIPING ABOVE GRADE	SCHEDULE 40 BLACK STEEL PIPE CONFORMING TO ASTM A 53 WITH 150 PSIG MALLEABLE IRON THREADED FITTINGS. WELDED JOINTS FOR PIPE SIZES 3" AND LARGER OR WELDED THROUGHOUT WHEN USED FOR MEDIUM PRESSURE. OUTDOOR PIPING EXPOSED TO ATMOSPHERE SHALL BE GALVANIZED STEEL PIPE OR PAINTED WITH RUST INHIBITING PAINT.
GAS PIPING BELOW GRADE (EXTERIOR SITE DISTRIBUTION)	POLYETHYLENE PIPE (PE) ORANGE OR YELLOW IN COLOR CONFORMING TO ASTM D 2513 SDR-11 AND IAPMO INSTALLATION STANDARD IS-12 WITH PE FITTINGS CONFORMING TO ASTM D-2683, SOCKET-FUSION TYPE OR ASTM D-3261 WITH DIMENSIONS MATCHING PE PIPE, P.E. TRANSITION FITTINGS, FACTORY-FABRICATED FITTINGS WITH PE COMPLYING WITH ASTM D-2513, SDR-11, PROTECTIVE COATING FOR UNDERGROUND PIPING, FACTORY APPLIED, THREE-LAYER COATING OF EPOXY, ADHESIVE AND PE.
PIPE PROTECTION: ALL UNDERGROUND METALLIC PIPE WHETHER BURIED OR ENCASED SHALL BE WRAPPED WITH ANTI-CORROSIVE 20 MIL PVC TAPE OR INSTALLED IN 8 MIL POLYETHYLENE SLEEVE CONFORMING TO ASTM D-1248 AND/OR ANSI/AWWA C105/A21.5.	
TRACER WIRE: ALL UNDERGROUND PLASTIC PIPE SHAL BE INSTALLED WITH BARE COPPER WIRE, TYPE TW, SIZE AWG #12 PLACED AND SECURED ON TO TH ETOP OF THE MAINS AND BRANCHES WITH ALL WIRE TO WIRE CONNECTIONS SOLDERED FOR CONTINUITY.	
WARNING TAPE: MAGNETIC TYPE, 12" BELOW FINISHED GRADE. THE TAPE SHALL BE 6" WIDE AND SHALL HAVE TH WORDS, "CAUTION BURIED GAS LINE BELOW".	

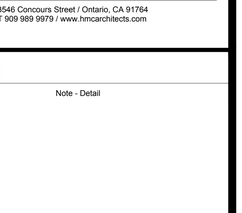
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEY NOTES

NO. Note - Detail

NOTES

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
RICHARD CHRISTOPHER DET. ROSSI
No. M29000
MECHANICAL
STATE OF CALIFORNIA
SIGNED: 10/06/2017

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116580

ACS_____ FLS _____ SSS _____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
SCHEDULES

Architect's Seal

LICENSED ARCHITECT
RANDALL E. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	RC	Project No.	5015019-102
Drawn:	MU	Scale:	Not To Scale
QAQC	JDM	Drawing No.	PG0.02
Date:	10/06/2017		

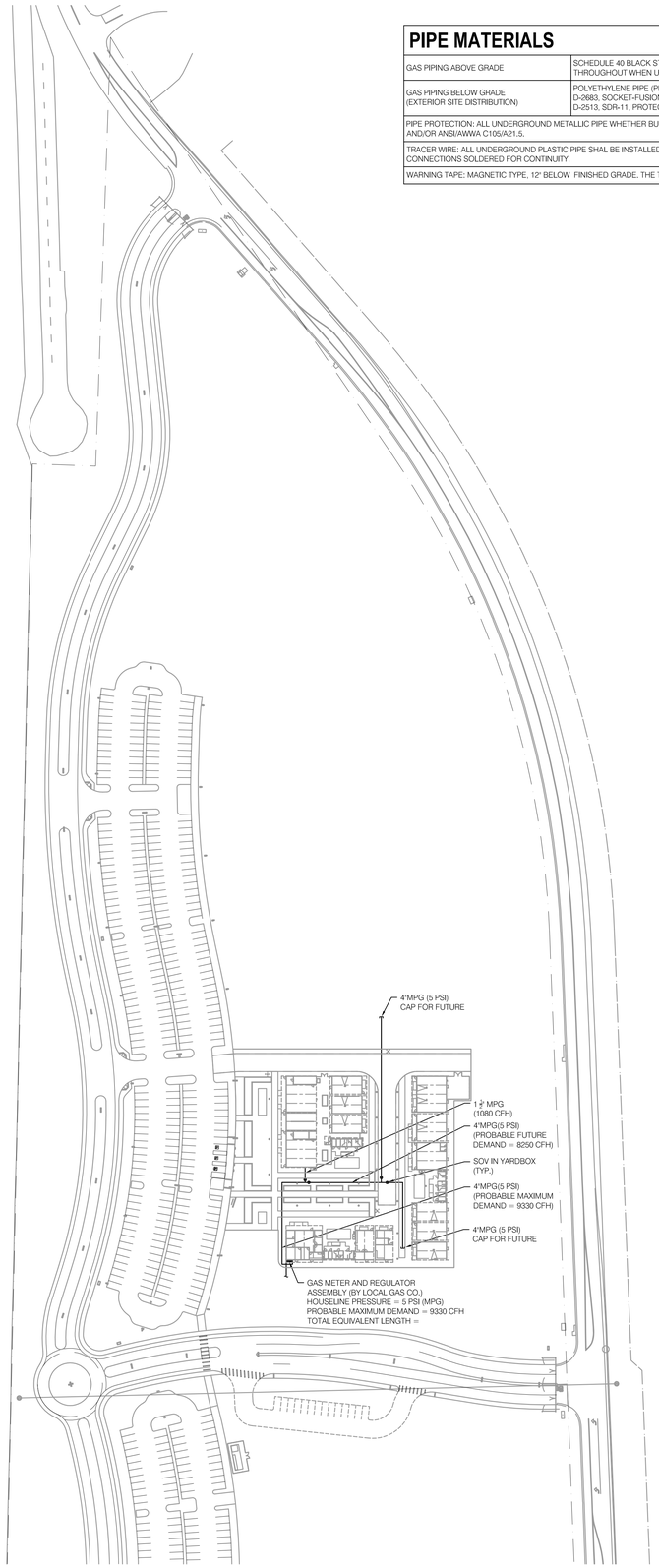
PCS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL

PIPE MATERIALS

GAS PIPING ABOVE GRADE	SCHEDULE 40 BLACK STEEL PIPE CONFORMING TO ASTM A 53 WITH 150 PSIG MALLEABLE IRON THREADED FITTINGS, WELDED JOINTS FOR PIPE SIZES 3" AND LARGER OR WELDED THROUGHOUT WHEN USED FOR MEDIUM PRESSURE. OUTDOOR PIPING EXPOSED TO ATMOSPHERE SHALL BE GALVANIZED STEEL PIPE OR PAINTED WITH RUST INHIBITING PAINT.
GAS PIPING BELOW GRADE (EXTERIOR SITE DISTRIBUTION)	POLYETHYLENE PIPE (PE) ORANGE OR YELLOW IN COLOR CONFORMING TO ASTM D 2513 SDR-11 AND IAPMO INSTALLATION STANDARD IS-12 WITH PE FITTINGS CONFORMING TO ASTM D-2683, SOCKET-FUSION TYPE OR ASTM D-3261 WITH DIMENSIONS MATCHING PE PIPE, P.E. TRANSITION FITTINGS, FACTORY-FABRICATED FITTINGS WITH PE COMPLYING WITH ASTM D-2513, SDR-11, PROTECTIVE COATING FOR UNDERGROUND PIPING, FACTORY APPLIED, THREE-LAYER COATING OF EPOXY, ADHESIVE AND PE.
PIPE PROTECTION: ALL UNDERGROUND METALLIC PIPE WHETHER BURIED OR ENCASED SHALL BE WRAPPED WITH ANTI-CORROSIVE 20 MIL PVC TAPE OR INSTALLED IN 8 MIL POLYETHYLENE SLEEVE CONFORMING TO ASTM D-1248 AND/OR ANSI/AWWA C105/A21.5.	
TRACER WIRE: ALL UNDERGROUND PLASTIC PIPE SHAL BE INSTALLED WITH BARE COPPER WIRE, TYPE TW, SIZE AWG #12 PLACED AND SECURED ON TO TH ETOP OF THE MAINS AND BRANCHES WITH ALL WIRE TO WIRE CONNECTIONS SOLDERED FOR CONTINUITY.	
WARNING TAPE: MAGNETIC TYPE, 12" BELOW FINISHED GRADE. THE TAPE SHALL BE 6" WIDE AND SHALL HAVE TH WORDS, "CAUTION BURIED GAS LINE BELOW".	



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HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

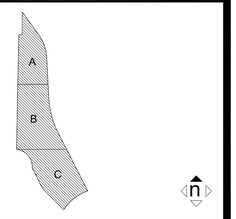
SM

KEY NOTES

NO. Note - Detail

NOTES

Key Plan



Consultant Seal

SIGNED: 10/06/2017

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Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

Plumbing Site Plan

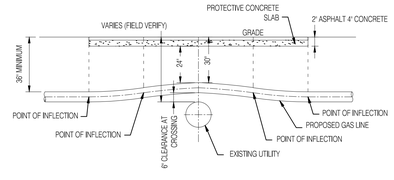
Architect's Seal

Designed:	RC	Project No.	5015019-102
Drawn:	MU	Scale:	1" = 80'-0"
QAQC	JDM	Drawing No.	PG1.01
Date:	10/06/2017		

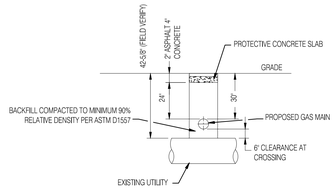
PSS No. 8687

PLEASE RECYCLE

DSA SUBMITTAL



ELEVATION

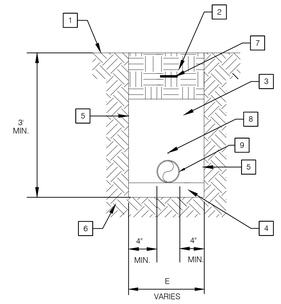


SECTION

NOTES:
1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITY LINE(S) PRIOR TO CONSTRUCTION.
2. ADJUST GAS PIPING DEPTH AS NEEDED WHILE MAINTAINING A MINIMUM 30" DEPTH OF COVER OVER NEW MDPE GAS PIPING AT UTILITY CROSSING.
3. DO NOT EXCEED MINIMUM BEND RADIUS OF MDPE PIPING.
4. CONTRACTOR TO EXPOSE TOP OF EXISTING UTILITY AND ENSURE BACKFILL COMPACTION AT CROSSING. MAINTAIN MINIMUM 6" VERTICAL SEPARATION BETWEEN GAS MAIN AND EXISTING UTILITY.
5. CONTRACTOR TO INSTALL PROTECTIVE CONCRETE SLAB FOR ENTIRE LENGTH OF PIPELINE INSTALLED WITH LESS THAN 36" DEPTH OF COVER.
6. 6" CLEARANCE ALSO ALLOWED FOR CROSSING EXISTING UTILITY TO LIMIT TRENCH DEPTH WITHOUT NEED FOR PROTECTIVE CONCRETE SLAB, UNLESS INDICATED OTHERWISE ON DRAWINGS.

4 CONSTRAINED UTILITY CROSSING

NO SCALE



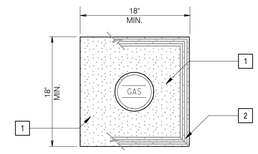
1-PIPE TRENCH SECTION

NOTES

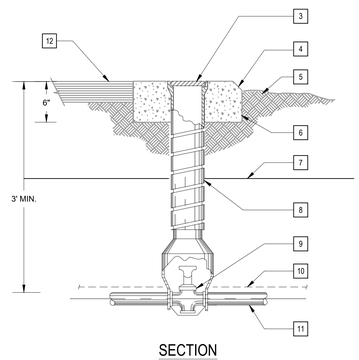
1	GRADE	6	UNDISTURBED EARTH
2	SELECT BACKFILL, 18" MIN FOR NORMAL SOIL, 12" MIN FOR ROCKY SOIL	7	WARNING TAPE
3	SAND BACKFILL, 12" FOR NORMAL SOIL, OR 18" FOR ROCKY SOIL, OVER TOP OF JACKET	8	TRACER WIRE
4	6" SAND BACKFILL BED IN BOTTOM OF TRENCH	9	GAS CARRIER PIPE
5	TRENCH WALL		

2 GAS TRENCH

NO SCALE



TOP VIEW



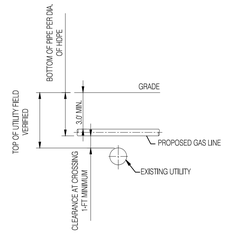
SECTION

NOTES

1	CONCRETE COLLAR	7	WARNING TAPE
2	CHAMFER EDGE.	8	SERVICE BOX (INSTALL IN COMPRESSED POSITION)
3	METAL COVER W/ MARKING "GAS"	9	GAS VALVE
4	2" CHAMFER ON ALL COLLARS W/ EARTH.	10	TRACER WIRE
5	FINISH GRADE	11	GAS SERVICE LINE
6	CONCRETE COLLAR (4000 PSI MIN.)	12	CONCRETE TO BE FLUSH W/ ALL PAVING & SIDEWALK SURFACES

1 GAS VALVE BOX

NO SCALE



NOTES:
1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITY LINE(S) PRIOR TO CONSTRUCTION.
2. ADJUST GAS PIPING DEPTH AS NEEDED BUT ENSURE MINIMUM 36" DEPTH OVER NEW MDPE GAS PIPING AT ALL TIMES.
3. MAINTAIN MINIMUM 12" SEPARATION BETWEEN GAS MAIN AND EXISTING UTILITIES UNLESS OTHERWISE INDICATED ON THE PLANS.

3 UTILITY CROSSING OVER TYPICAL

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
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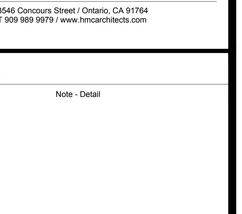
SM

KEY NOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

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No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
DETAILS

Architect's Seal

Designed:	RC	Project No.	5015019-102
Drawn:	MU	Scale:	Not To Scale
QAQC	JDM	Drawing No.	PG6.01
Date:	10/06/2017		

PRS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL

ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
PPA	POWER PEDESTAL 'A'
PRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLY-VINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIRE/WATTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

LIGHTING

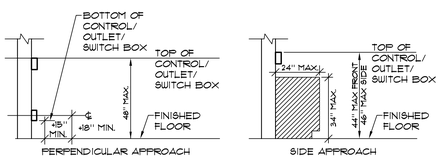
- LIGHTING FIXTURE DESIGNATION
- LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN.
- FLUORESCENT LIGHT FIXTURE
- LIGHTING FIXTURE ON EMERGENCY CIRCUIT (LIFE SAFETY BRANCH OR BATTERY PACK).
- EXIT SIGN WITH DIRECTION ARROWS AS INDICATED. SHADED QUADRANT INDICATES FACE.
- EMERGENCY LIGHTING UNIT, WALL MOUNTED 12" BELOW CEILING (U.O.N.) LETTER INDICATES CIRCUIT CONTROLLED. SEE DETAIL
- FLUORESCENT STRIP LIGHT
- S_a SINGLE POLE SWITCH, SUBSCRIPT WHEN SHOWN INDICATES FIXTURES CONTROLLED +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0, WHERE USED IN CONJUCTION WITH OCCUPANCY SENSORS FOR SWITCH TYPE SEE DETAIL
- S_3 THREE-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- S_4 FOUR-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- S_{PL} SWITCH WITH PILOT LIGHT +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- S_2 DOUBLE POLE SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- S_{WP} WEATHER PROOF SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- S_K KEY OPERATED SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- SURFACE MOUNTED TRACK LIGHTING FIXTURES
- EXTERIOR SITE LIGHTING FIXTURE AND POLE
- EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE
- LANDSCAPE LIGHTING FIXTURE
- SPORTSLIGHTING FIXTURES AND POLES
- WALL MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #/E1.0
- CEILING MOUNTED (CORNER OF THE ROOM) OCCUPANCY SENSOR LIGHTING CONTROL
- CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL
- S_{LV} LOW VOLTAGE LIGHT SWITCH. HEIGHT PER DETAILS #/E1.0
- DIGITAL LIGHTING CONTROL TYPICAL ROOM REQUIREMENTS.
- NUMBERED DEVICES ARE ADDITIONAL ITEMS SHOWN ON FLOOR PLAN IN ADDITION TO WHAT IS REQUIRED FOR THE TYPICAL ROOM REQUIREMENTS.

DISTRIBUTION EQUIPMENT

- DRAW OUT TYPE EQUIPMENT
- VACUUM CIRCUIT BREAKER, RATING AS NOTED.
- AIR INTERRUPTER SWITCH AND FUSE
- AIR INTERRUPTER
- FUSE
- POWER TRANSFORMER, RATING AS NOTED
- POWER CIRCUIT BREAKER DRAWOUT
- AUTOMATIC TRANSFER SWITCH. SEE SCHEDULE
- AMMETER
- VOLTMETER
- CIRCUIT BREAKER
  - 200AF — 200AMP FRAME
  - 200AT — 200AMP TRIP
  - 3P — 3 POLE
  - 10000AIC — 10000 AMPS INTERRUPTING CURRENT
- FUSED SWITCH
  - 200AS — 200AMP SWITCH
  - 200AF — 200AMP FUSE
  - 3P — 3 POLE
- UTILITY COMPANY METER

SYMBOL LEGEND

- POINT OF INTERCEPTION



NOTE: MAINTAIN MINIMUM 30"X48" CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION — 1 / E1.0

NO SCALE

POWER CONTINUED

- DUPLEX RECEPTACLE, FLOOR MOUNTED
- DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
- HORZ. RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.)
- FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
- RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- LCD PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.)
- C SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +7'-0" A.F.F. (U.O.N.)
- SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
- GFI DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.)
- DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" A.F.F. (U.O.N.)
- WP DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.)
- WP/L DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" A.F.F. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
- IG DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
- IG FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
- TP DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
- DUPLEX COMPUTER RECEPTACLE (GREY), WALL MOUNTED +18" A.F.F. (U.O.N.)
- DUPLEX COMPUTER RECEPTACLE (BLUE) ISOLATED GROUND, SURGE SUPPRESSION, WALL MOUNTED +18" A.F.F. (U.O.N.)
- A SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- B SINGLE RECEPTACLE 50 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- C SINGLE RECEPTACLE 50 AMP, 250V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- E SINGLE RECEPTACLE 30 AMP, 125V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- F SINGLE RECEPTACLE 30 AMP, 250V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- G SINGLE RECEPTACLE 30 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- H SINGLE RECEPTACLE 30 AMP, 480V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- J SINGLE RECEPTACLE 20 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- K SPECIAL PURPOSES KITCHEN EQUIPMENT RECEPTACLE. SEE KITCHEN PLANS FOR EXACT TYPE. FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING. SEE KITCHEN PLANS FOR EXACT MOUNTING HEIGHT.
- FP DUPLEX RECEPTACLE, WALL MOUNTED ADJACENT TO FLAT PANEL OUTLET, SEE SIGNAL PLAN FOR EXACT LOCATION.
- LV RECEPTACLE MOUNTED ABOVE CEILING FOR LOW VOLTAGE LIGHTING CONTROL (VL)
- TP DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
- MULTI-OUTLET ASSEMBLY, "WIREMOLD" G-3000 SERIES WITH 20AMP DUPLEX RECEPTACLES ON 18" CENTERS, RECEPTACLES TO BE ALTERNATELY WIRED AND INSULATED GROUNDING CONDUCTOR PROVIDED TO EACH
- JUNCTION BOX, FLOOR MOUNTED
- J JUNCTION BOX, CEILING OR WALL MOUNTED
- H HAND DRYER CONNECTION. SEE ARCHITECTURAL FOR MOUTNING HEIGHT.
- FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
- S_M MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)
- 1 MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.
- AC MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
- CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
- CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
- FLEXIBLE CONDUIT CONNECTION
- BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN.(2) #12
- 3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
- #8 BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
- PANELBOARD, SURFACE MOUNTED.
- PANELBOARD, RECESSED
- T STEP-DOWN TRANSFORMER
- DISTRIBUTION SWITCHBOARD
- SR SURFACE MOUNTED RACEWAY SINGLE SECTION SERIES, NON METALLIC (WHITE)
- SR 2 SURFACE MOUNTED RACEWAY TWO SECTION SERIES, NON METALLIC (WHITE)
- SR 3 SURFACE MOUNTED RACEWAY THREE SECTION SERIES, NON METALLIC (WHITE)

GENERAL PROJECT NOTES:

1. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
3. "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
4. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MEP COMPONENT ANCHORAGE NOTE:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE. BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24 AND 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E).

MP☐MD☐PP☐E☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐MD☐PP☐E☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM)*

MP☐MD☐PP☐ - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPACIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL_____ AND CONNECTION LEVEL_____ FOR THE PROJECT AND CONDITIONS.

FIRE RATED ASSEMBLIES NOTE:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DESCRIPTION AND DETAIL OF ALL FIRE RATED ASSEMBLIES.

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3546 Concours Street / Ontario, CA 91764
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KEYNOTES

NOTES

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REGISTERED PROFESSIONAL ENGINEER — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.02 — 10/3/2017

Key Plan

Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title

PALOMAR COLLEGE — Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
ELECTRICAL LEGEND & NOTES

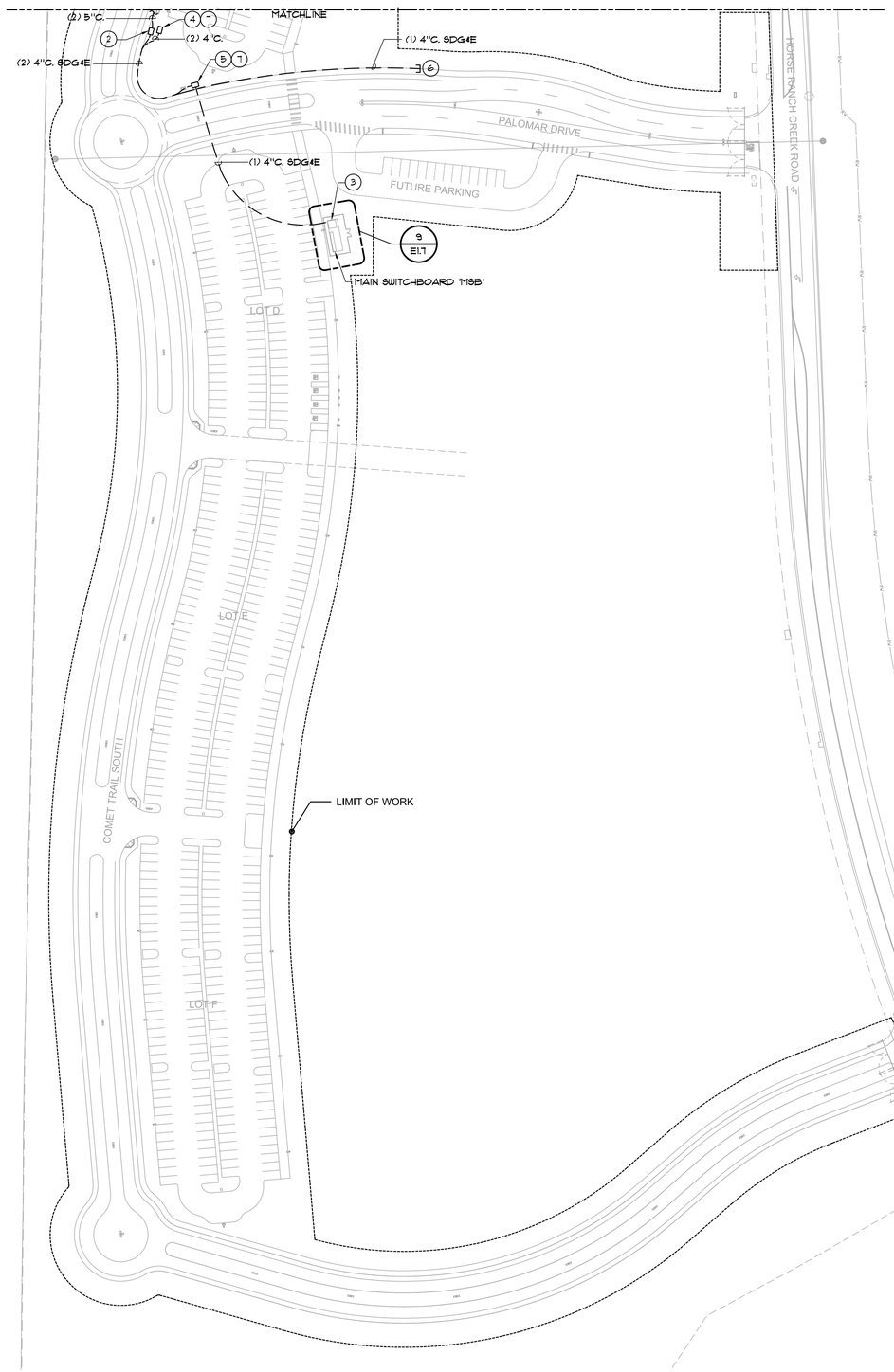
Architect's Seal

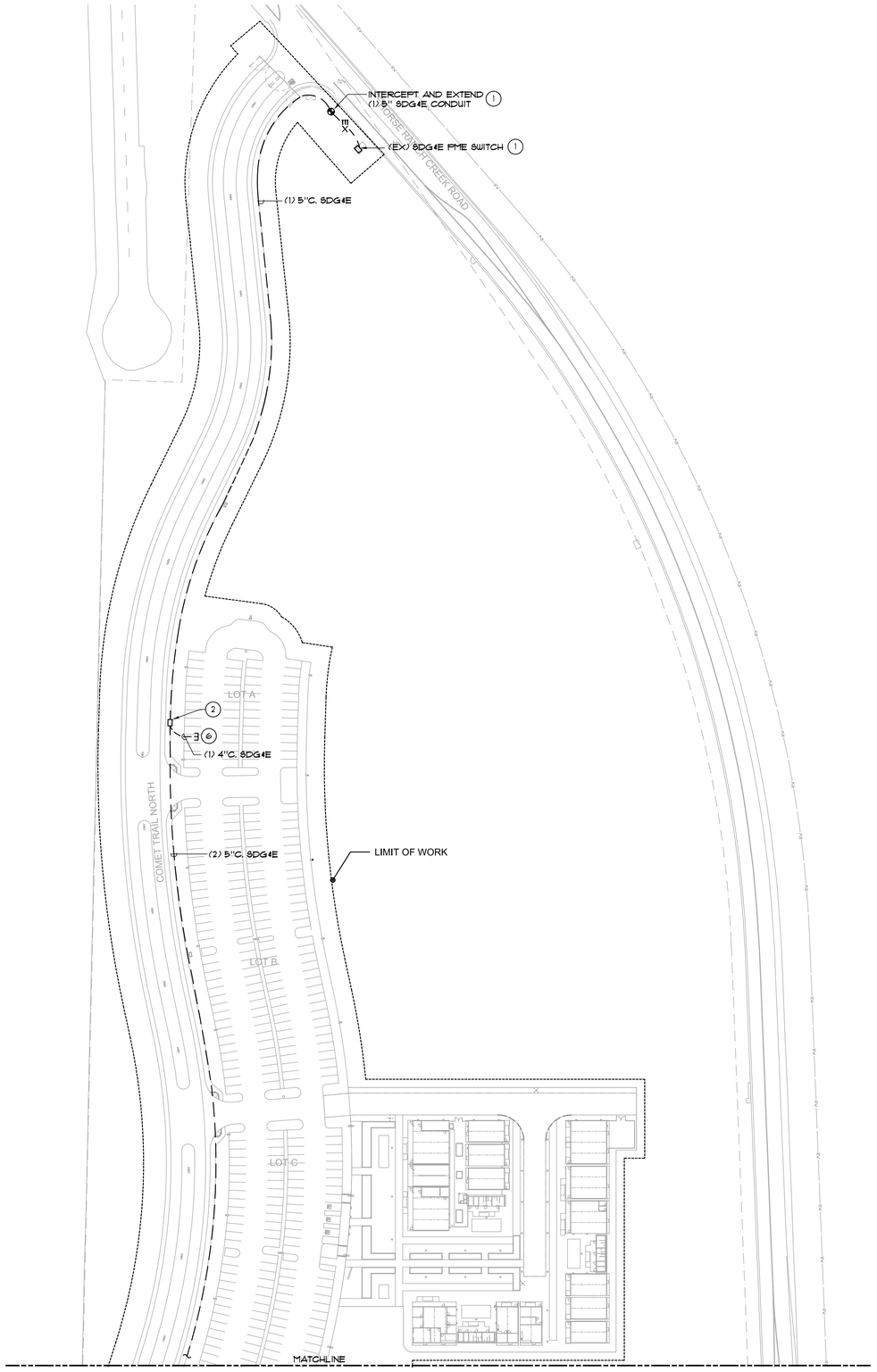
REGISTERED ARCHITECT — JOSEPH E. FORTE — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.0
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL





KEYNOTES

KEY NOTES:

1. ELECTRICAL SERVICE POINT OF CONNECTION FIELD VERIFY EXACT LOCATION WITH UTILITY CO.
2. ELECTRICAL UTILITY COMPANY UNDERGROUND HANDHOLE, FURNISH AND INSTALL PER UTILITY CO. REQUIREMENTS.
3. UTILITY COMPANY TRANSFORMER, PROVIDE CONCRETE PAD AND UNDERGROUND HANDHOLE PER UTILITY CO. REQUIREMENTS.
4. ABOVE GROUND SDG4E CT CABINET.
5. ABOVE GROUND SDG4E FME SWITCH.
6. STUB AND CAP CONDUIT BELOW GRADE.
7. ELECTRICAL UTILITY EQUIPMENT PAD, FURNISH AND INSTALL PER UTILITY CO. REQUIREMENTS.

NOTES

GENERAL NOTES:

1. FURNISH AND INSTALL ALL UTILITY CO. SERVICES TO THE SITE TO COMPLY WITH LOCAL UTILITY CO. REQUIREMENTS. VERIFY ALL REQUIREMENTS PRIOR TO INSTALLATION.

ELECTRICAL COMPANY SERVICE CONTACT
ANDREW NEWCOMB (760) 480-7731

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3546 Concours Street / Ontario, CA 91764
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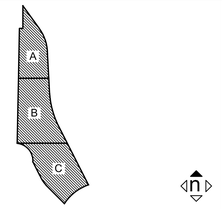
REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.02 10/5/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
ELECTRICAL UTILITY SITE PLAN

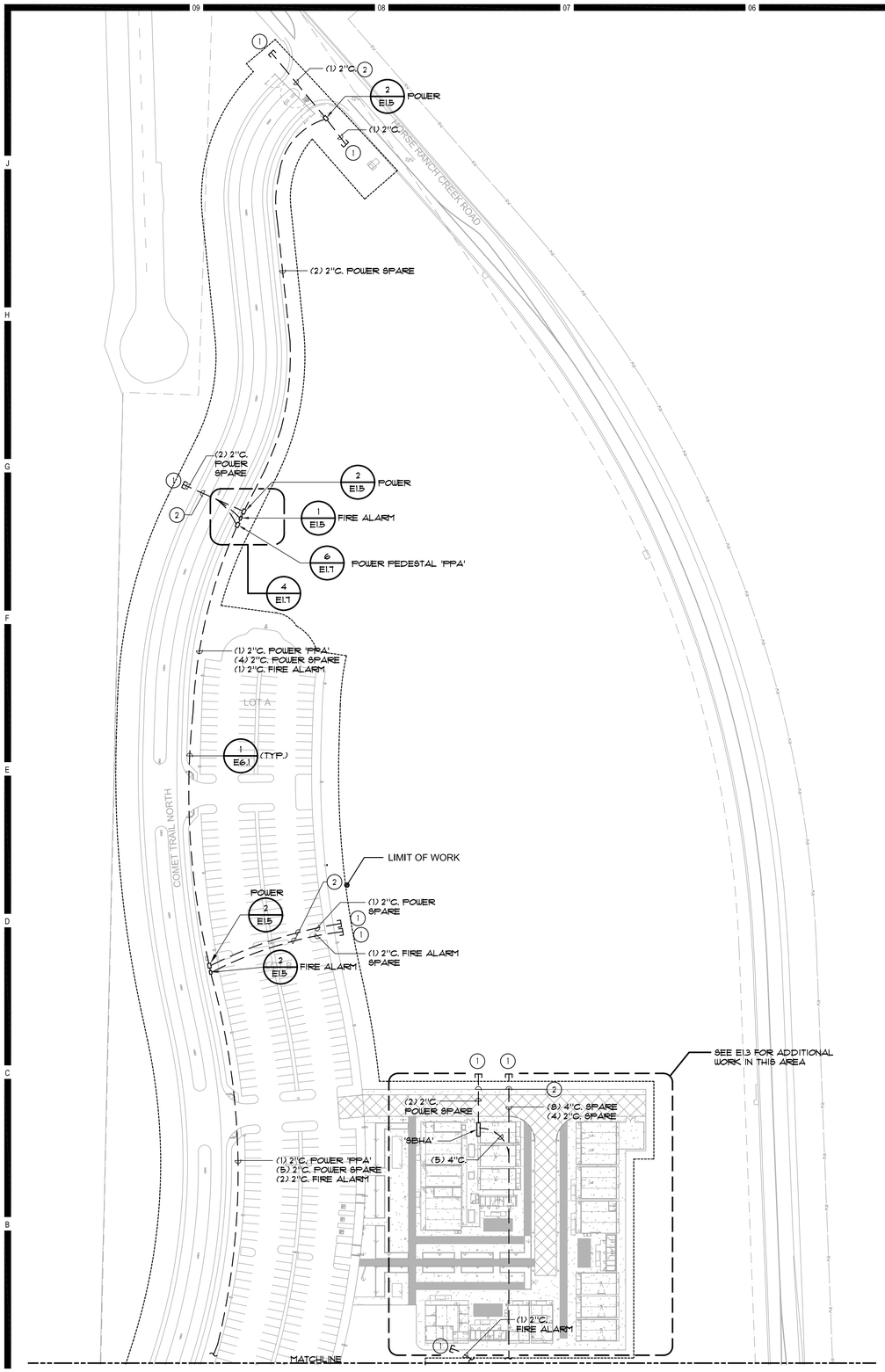
Architect's Seal
REGISTERED ARCHITECT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.1
Date:	10/6/2017		

ELECTRICAL UTILITY SITE PLAN 1
1" = 60'-0"

PLEASE RECYCLE

DSA SUBMITTAL



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KEYNOTES

KEY NOTES:

1. STUB AND CAP CONDUIT BELOW GRADE.
2. CONDUIT SHALL BE CONCRETE ENCASED WHERE CROSSING ROADWAY OR PARKING LOT.

NOTES

GENERAL NOTES:

1. REFERENCE SHEET E1 SERIES FOR TYPICAL SITE DETAILS.
2. REFERENCE E6 SERIES SHEET FOR TYPICAL DETAILS.

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA

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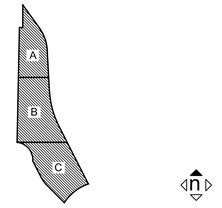
#17057.02 10/5/2017

Key Plan



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DATE

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
SITE PLAN ELECTRICAL

Architect's Seal

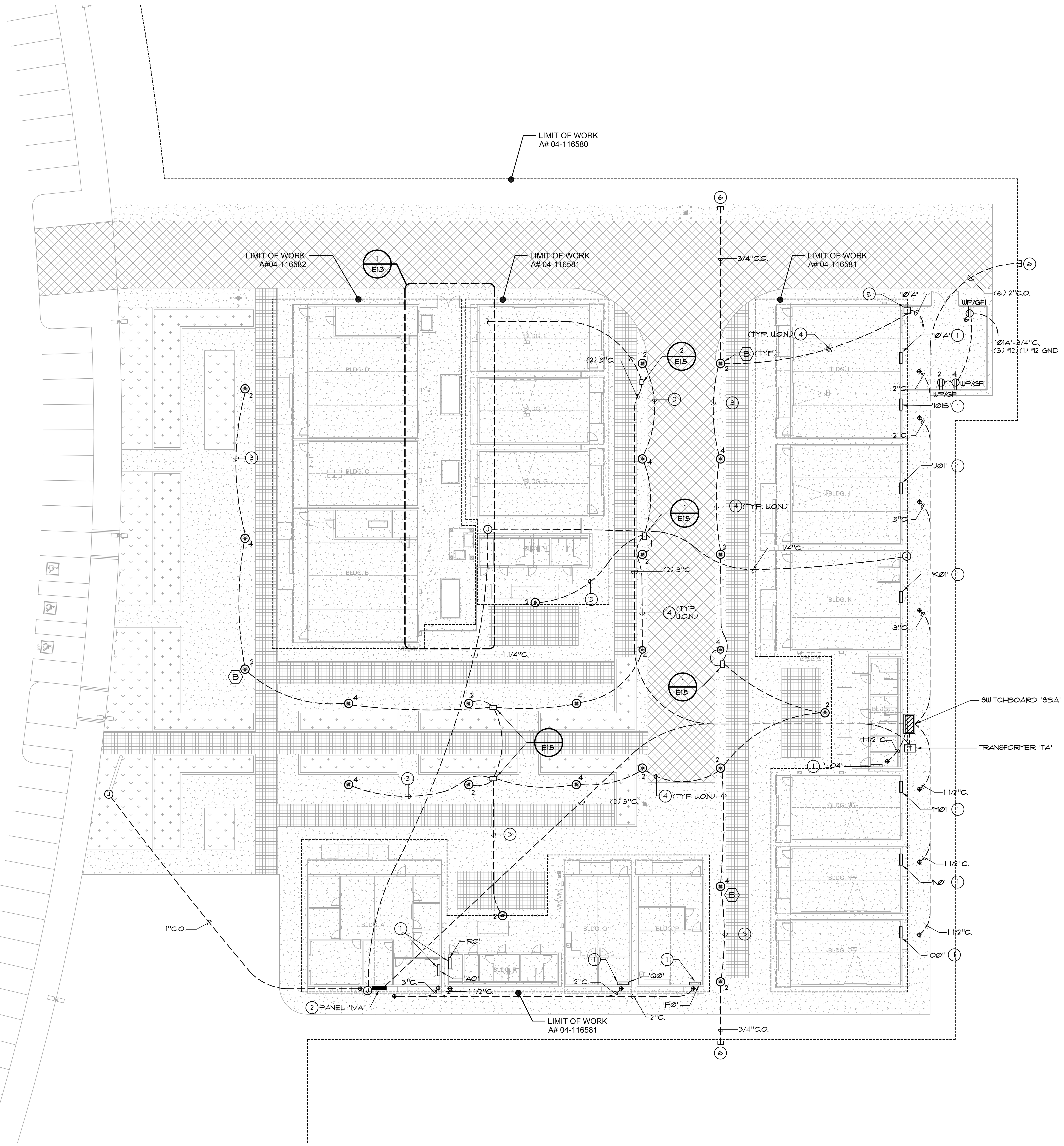
LICENSED ARCHITECT
RENEWAL 02-28-19
NO. C-32437
STATE OF CALIFORNIA

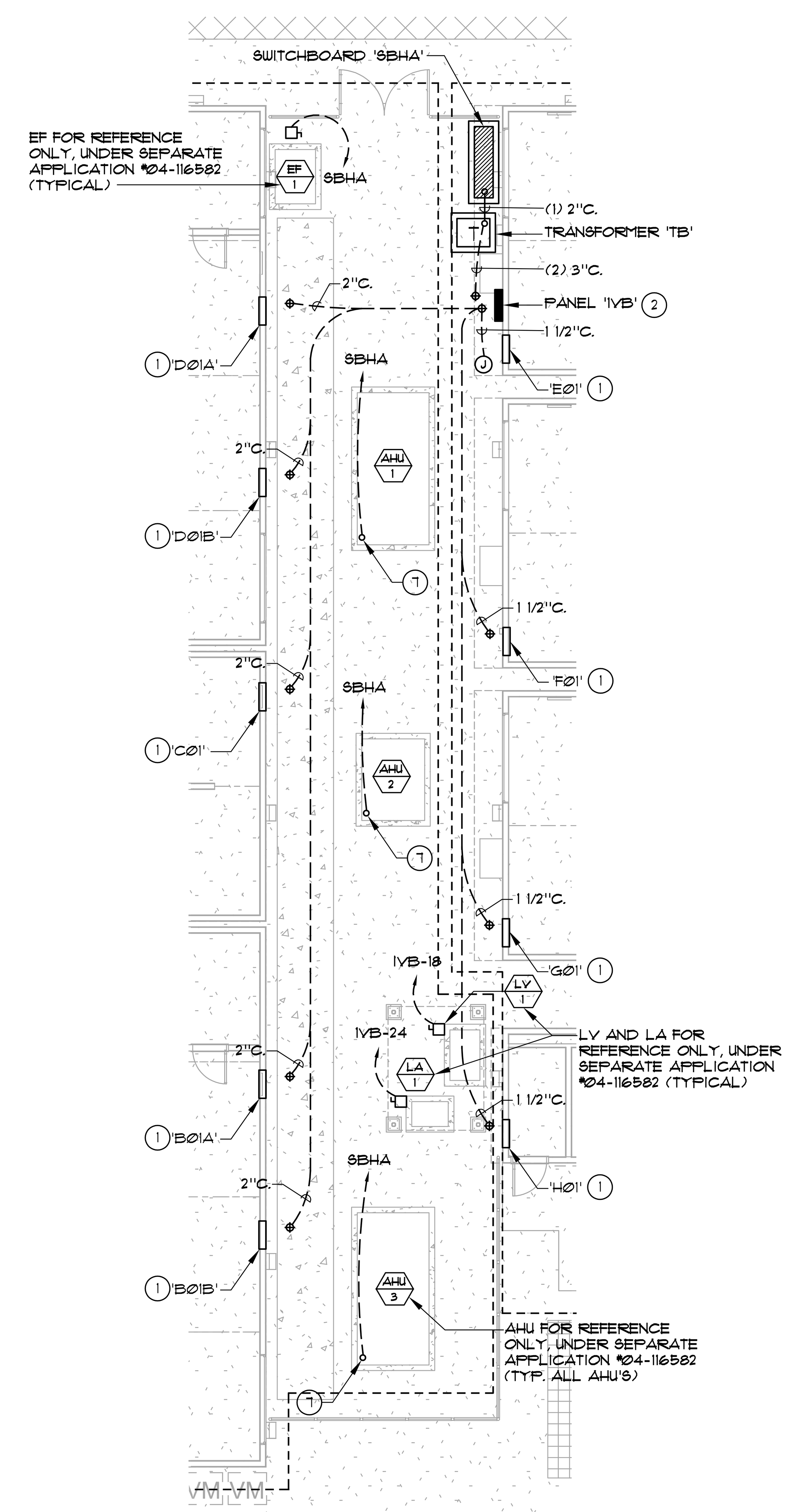
Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QA/QC	RG	Drawing No.	E1.2
Date:	10/6/2017		

SITE PLAN ELECTRICAL | 1
1" = 60'-0"

PLEASE RECYCLE

DSA SUBMITTAL





ENLARGED PLAN - ELECTRICAL
1/8" = 1'-0" (FOR REFERENCE ONLY) 1/E1.3

INTERIM VILLAGE - SITE PLAN 1
1/16" = 1'-0"

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KEYNOTES

KEY NOTES:

1. INTERIOR RECESSED ELECTRICAL LOADCENTER PROVIDED BY BUILDING MANUFACTURER. (SHOWN FOR REFERENCE ONLY, SCOPE INCLUDE IN CONTRACT A04-116581).
2. EXTERIOR MOUNTED PANELBOARD. (SHOWN FOR REFERENCE ONLY, SCOPE INCLUDE IN CONTRACT A04-116581).
3. 3/4"C. 2 #10, 1 #12 GND.
4. 3/4"C. 3 #10, 1 #12 GND.
5. PROVIDE ASTRONOMICAL DIGITAL 2PST TIME CLOCK.
6. STUB AND CAP BELOW GRADE FOR FUTURE EXTENSION.
7. FIELD VERIFY LOCATION OF INTEGRAL VFD/DISCONNECT PROVIDED WITH UNIT. (UNIT UNDER SEPARATE APPLICATION)

NOTES

⊕ EXTEND SITE FEEDER CONDUITS TO THIS LOCATION TO SERVE PANEL LOCATIONS INCLUDED IN CONTRACT A04-116581.

REGISTERED PROFESSIONAL ENGINEER MONICA GEESE-HANSEN No. E 14781 Exp. 6-30-2019 ELECTRICAL STATE OF CALIFORNIA
#17057.02 10/5/2017
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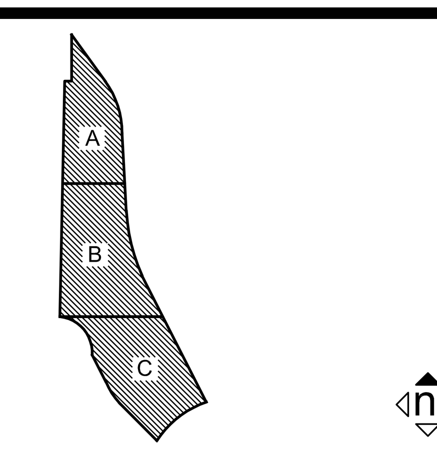
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

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DIV. OF THE STATE ARCHITECT
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DATE ____

Project Title

Palomar North Education Center
Palomar College
PALOMAR COLLEGE Learning for Success
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

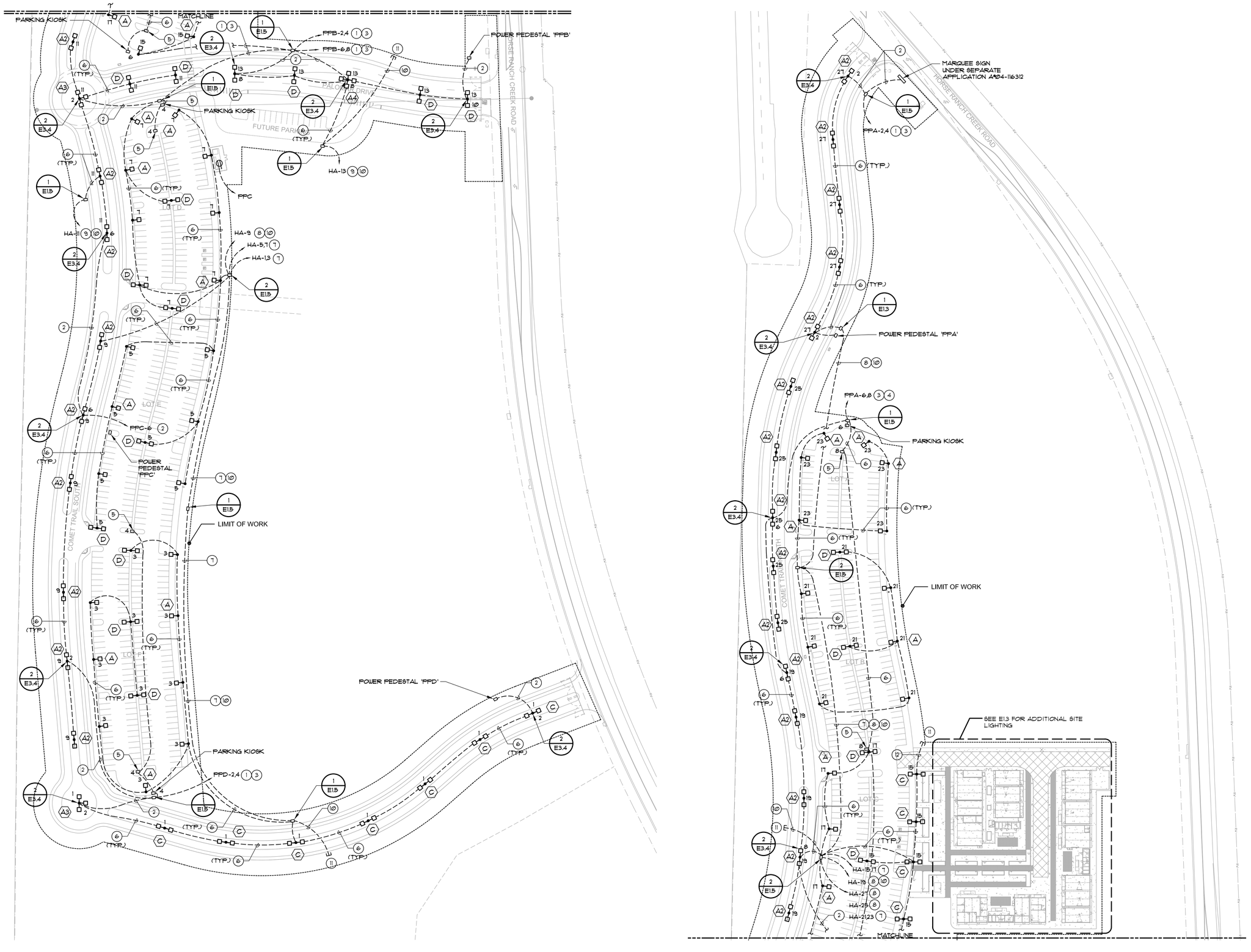
Drawing Title:
INTERIM VILLAGE - SITE PLAN

Architect's Seal
LICENSED ARCHITECT BRADLEY E. GLACK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.3
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



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KEYNOTES

KEY NOTES:

1. 1 1/4"C., (3) #6, (1) #10 GND.
2. 3/4"C., (2) #10, (1) #10 GND.
3. PROVIDE (1) 1 1/4"C. SPARE TO POWER PEDESTAL.
4. 1"C., (3) #8, (1) #10 GND.
5. POWER CONNECTION TO EMERGENCY PHONE PEDESTAL.
6. 3/4"C., (2) #8, (1) #10 GND.
7. 1 1/4"C., (3) #4, (1) #8 GND.
8. 1 1/4"C., (2) #4, (1) #8 GND.
9. 1 1/4"C., (2) #6, (1) #10 GND.
10. PROVIDE (1) 1 1/4"C. SPARE.
11. STUB AND CAP BELOW GRADE.
12. PROVIDE (1) 3/4"C. SPARE.

NOTES

GENERAL NOTES:

1. REFERENCE SHEET E1 SERIES FOR TYPICAL SITE DETAILS.
2. REFERENCE E8. SERIES SHEET FOR TYPICAL DETAILS.
3. REFERENCE SITE CONDUIT SCHEMATIC FOR CONDUIT SIZING AND QUANTITIES. THIS SITE PLAN PROVIDES GENERAL DUCTBANK ROUTING, UNDERGROUND PULLBOX LOCATIONS, AND SITE LIGHTING REQUIREMENTS ONLY.

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA

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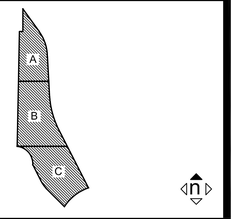
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
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APPL. 04-116580
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DATE

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:

SITE LIGHTING

Architect's Seal

REGISTERED ARCHITECT
JEFFREY FOSTER
No. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.4
Date:	10/6/2017		

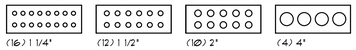
SITE LIGHTING AND ELECTRICAL | 1

1" = 60'-0"

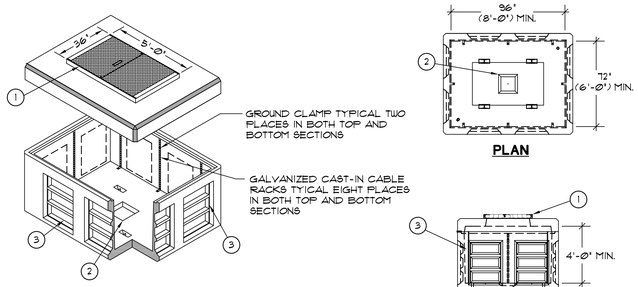
PLEASE RECYCLE

DSA SUBMITTAL

(STANDARD CONDUIT TERMINATORS)



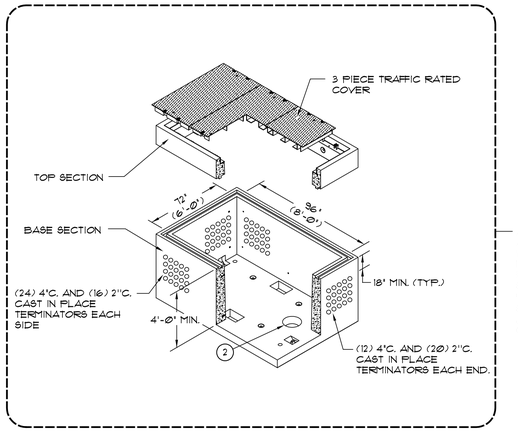
CONTRACTOR SHALL PROVIDE MANUFACTURED CONDUIT TERMINATORS WHERE CONDUITS ENTER HANDHOLE KNOCKOUTS OR SHALL PROVIDE CONDUITS BELL ENDS AND SEAL BACK ALL VOID OPENINGS AROUND KNOCKOUT.



'OLDCASTLE' - GREENLINE 6'-0" X 8'-0" X 48" SERIES.

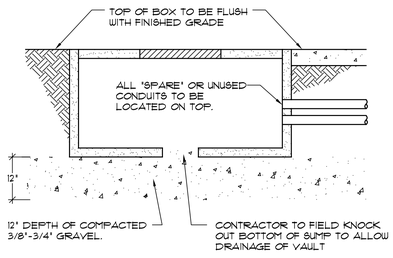
KEY NOTES:

1. H-20 RATED DUAL LEAF TORSION HINGED STEEL COVER.
2. SUMP (FIELD KNOCKOUT BOTTOM) AND FILL WITH GRAVEL TO DRAIN.
3. 26"W X 34"HIGH SEGMENTED KNOCKOUT.



APPROVED ALTERNATE PULLBOX AS MANUFACTURERED BY:
SAN DIEGO PRECAST #12-96 SERIES
JENSEN PRECAST #466 SERIES

GENERAL INSTALLATION REQUIREMENTS:



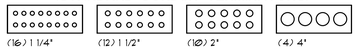
1. HANDHOLES SHALL BE PROVIDE WITH A MINIMUM OF (4) GALVANIZED PULLING PLATES IN BOTTOM OF PULLBOX.
2. PULLBOXES SHALL BE PROVIDED WITH CAST IN PLACE VERTICAL CABLE RACKS. ALL CABLES SHALL BE NEATLY BUNDLED, ORGANIZED AND SUPPORTED BY CABLE RACKS.
3. WHERE ADDITIONAL CONDUIT ENTRIES ARE REQUIRED BEYOND QUANTITY OF TERMINATORS SHOWN, CONTRACTOR SHALL FIELD CORE DRILL AS REQUIRED. WHERE 4" TERMINATORS ARE PROVIDED CONTRACTOR SHALL PROVIDE CONDUIT REDUCERS TO MATCH SITE CONDUIT SIZE REQUIREMENTS.
4. FOR ALTERNATE STYLE PULLBOXES CONTRACTOR SHALL FIELD CORE DRILL ALL CONDUIT ENTRIES 2" DIA AND SMALLER.

UNDERGROUND PULLBOX STYLE 'D' TYP. INSTALLATION

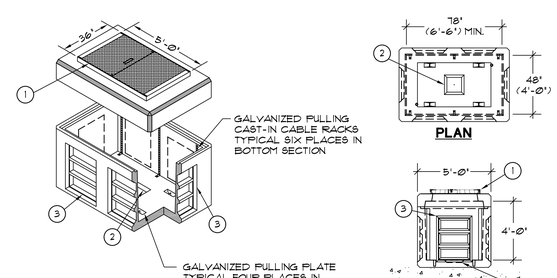
NO SCALE

5 / E1.5

(STANDARD CONDUIT TERMINATORS)



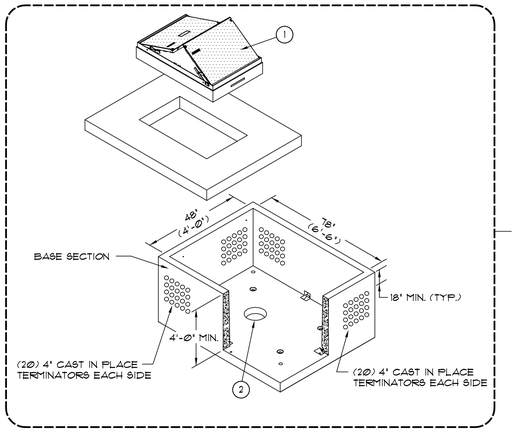
CONTRACTOR SHALL PROVIDE MANUFACTURED CONDUIT TERMINATORS WHERE CONDUITS ENTER HANDHOLE KNOCKOUTS OR SHALL PROVIDE CONDUITS BELL ENDS AND SEAL BACK ALL VOID OPENINGS AROUND KNOCKOUT.



'OLDCASTLE' - GREENLINE 4'-0" X 6'-6" X 48" SERIES.

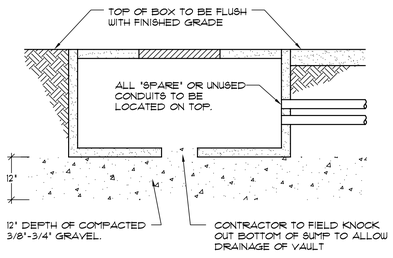
KEY NOTES:

1. H-20 RATED DUAL LEAF TORSION HINGED STEEL COVER.
2. 12" X 12" SUMP (FIELD KNOCKOUT BOTTOM) AND FILL WITH GRAVEL TO DRAIN.
3. 26"W X 34"HIGH SEGMENTED KNOCKOUT.



APPROVED ALTERNATE PULLBOX AS MANUFACTURERED BY:
SAN DIEGO PRECAST #12-96 SERIES
JENSEN PRECAST #466 SERIES

GENERAL INSTALLATION REQUIREMENTS:

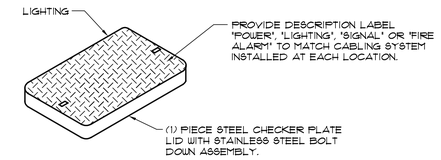


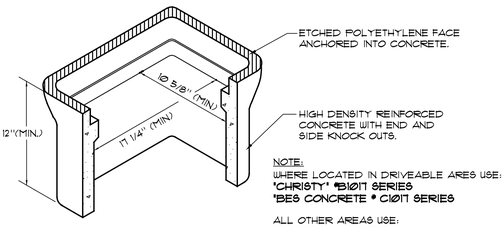
1. HANDHOLES SHALL BE PROVIDE WITH A MINIMUM OF (4) GALVANIZED PULLING PLATES IN BOTTOM OF PULLBOX.
2. PULLBOXES SHALL BE PROVIDED WITH CAST IN PLACE VERTICAL CABLE RACKS. ALL CABLES SHALL BE NEATLY BUNDLED, ORGANIZED AND SUPPORTED BY CABLE RACKS.
3. WHERE ADDITIONAL CONDUIT ENTRIES ARE REQUIRED BEYOND QUANTITY OF TERMINATORS SHOWN, CONTRACTOR SHALL FIELD CORE DRILL AS REQUIRED. WHERE 4" TERMINATORS ARE PROVIDED CONTRACTOR SHALL PROVIDE CONDUIT REDUCERS TO MATCH SITE CONDUIT SIZE REQUIREMENTS.
4. FOR ALTERNATE STYLE PULLBOXES CONTRACTOR SHALL FIELD CORE DRILL ALL CONDUIT ENTRIES 2" DIA AND SMALLER.

UNDERGROUND PULLBOX STYLE 'C' TYP. INSTALLATION

NO SCALE

4 / E1.5





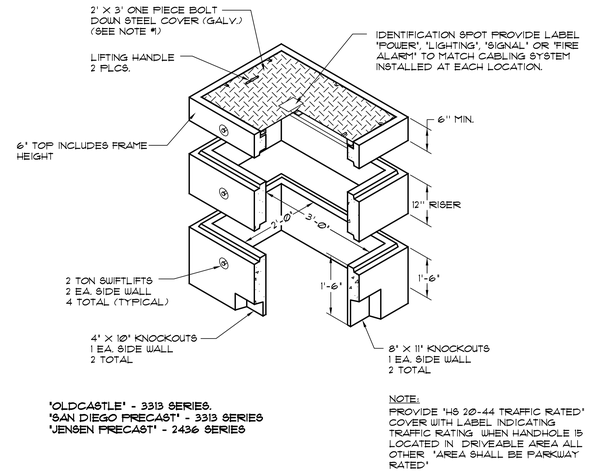
NOTE:
WHERE LOCATED IN DRIVEABLE AREAS USE:
'CHRISTY' "B10T SERIES
'BES CONCRETE" C10T SERIES

ALL OTHER AREAS USE:
'CHRISTY' "N3 SERIES
'BES CONCRETE" C3E SERIES

UNDERGROUND PULLBOX STYLE 'A'

NO SCALE

1 / E1.5



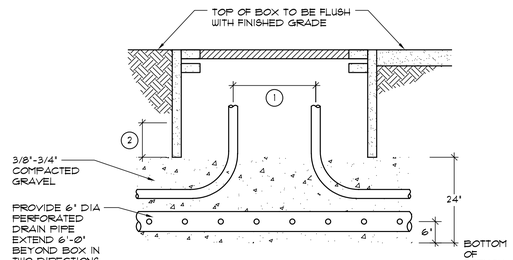
'OLDCASTLE' - 3313 SERIES.
'SAN DIEGO PRECAST' - 3313 SERIES
'JENSEN PRECAST' - 2436 SERIES

NOTE:
PROVIDE "HS 20-44 TRAFFIC RATED" COVER WITH LABEL INDICATING TRAFFIC RATING. WHEN HANDHOLE IS LOCATED IN DRIVEABLE AREA ALL OTHER "AREA SHALL BE PARKWAY RATED"

UNDERGROUND PULLBOX STYLE 'B'

NO SCALE

2 / E1.5



KEY NOTES:

1. WHERE CONDUITS SERVE INCOMING AND OUTGOING CIRCUITS KEEP RISERS SEPARATED INSIDE PULLBOX TO ALLOW FOR SLACK CONDUCTORS.
2. TOPS OF CONDUITS MUST NOT EXTEND INTO PULLBOX MORE THAN 1/3 OF THE TOTAL AVAILABLE INSIDE BOX HEIGHT. IN ORDER TO ALLOW ADEQUATE SPACE FOR CABLE SLACK.

UNDERGROUND PULLBOX STYLE 'A' OR 'B' TYP. INSTALLATION

NO SCALE

3 / E1.5

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

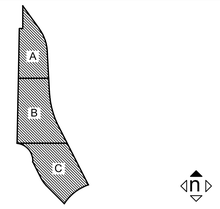
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17087.02 — 10/2/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
SITE ELECTRICAL DETAILS

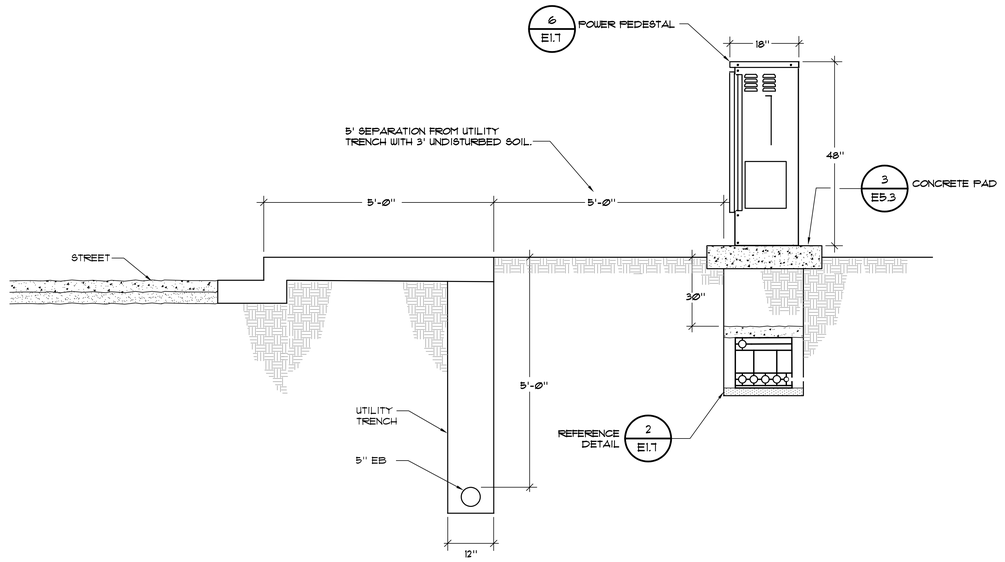
Architect's Seal

REGISTERED ARCHITECT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.5
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



TRENCHING DETAIL

SCALE: 3/4"=1'-0"

1
E1.6

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA
#17057.02
10/2/2017

JOHNSON
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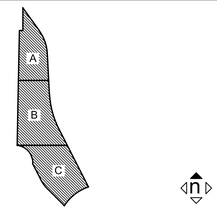
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:

SITE ELECTRICAL DETAILS

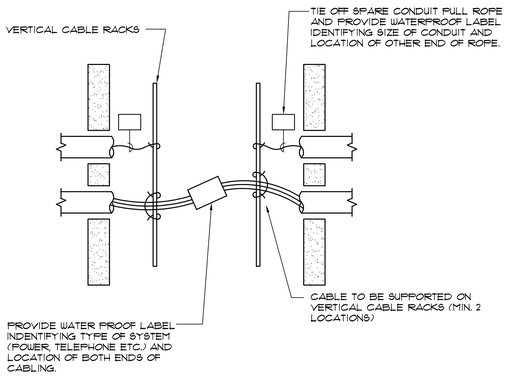
Architect's Seal

REGISTERED ARCHITECT
BRADLEY E. GRANDE
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.6
Date:	10/6/2017		

PLEASE RECYCLE

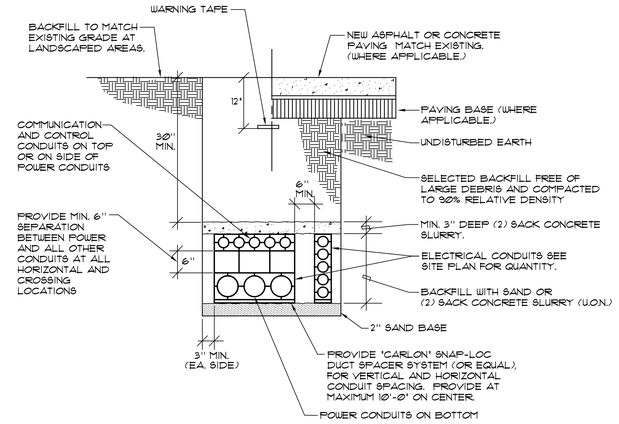
DSA SUBMITTAL



TYPICAL UNDERGROUND PULLBOX LABELING/SUPPORT DETAIL

NO SCALE

1 / E1.7

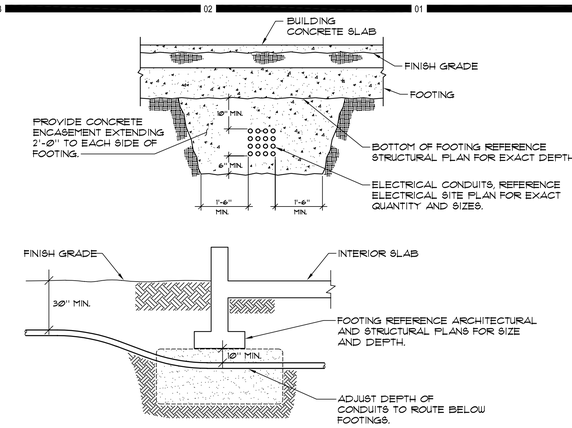


TYPICAL TRENCH DETAIL

NO SCALE

DET-H56

2 / E1.7

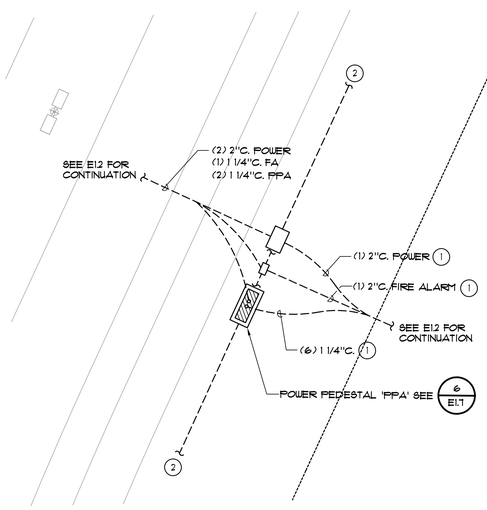


UNDERGROUND CONDUIT - INSTALLATION AT BUILDING FOOTING

NO SCALE

DET-H41

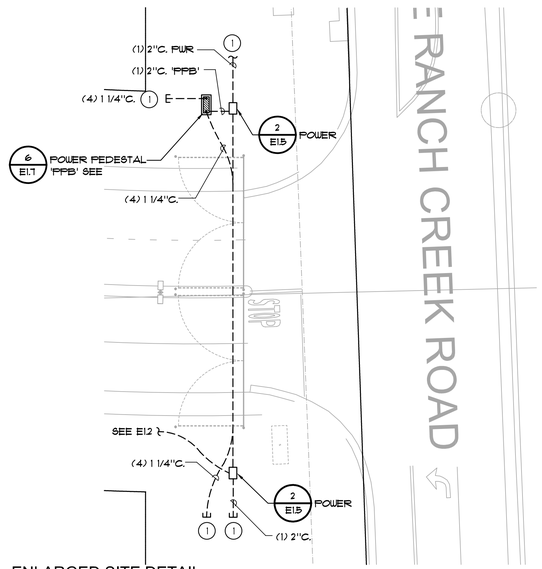
3 / E1.7



ENLARGED SITE DETAIL

SCALE: 1/8"=1'-0"

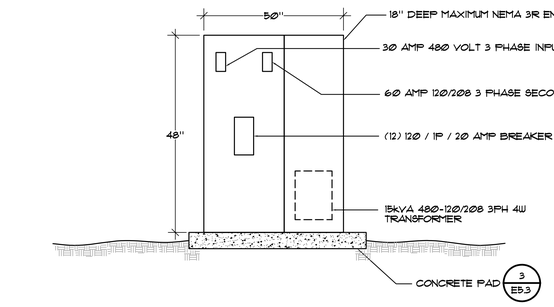
4 / E1.7



ENLARGED SITE DETAIL

SCALE: 1/16"=1'-0"

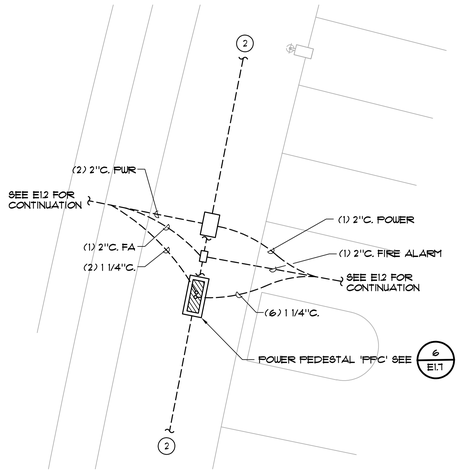
5 / E1.7



POWER PEDESTAL

NTS

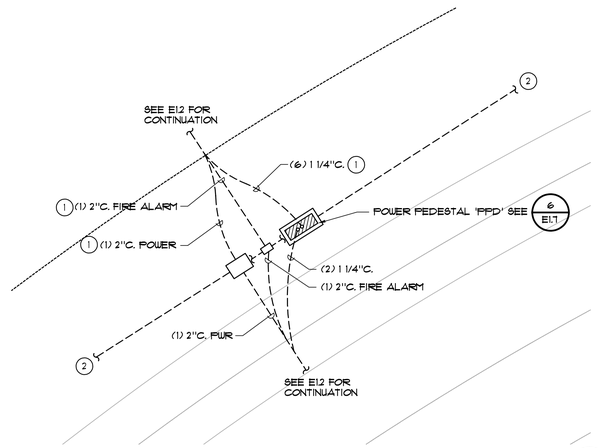
6 / E1.7



ENLARGED SITE DETAIL

SCALE: 1/8"=1'-0"

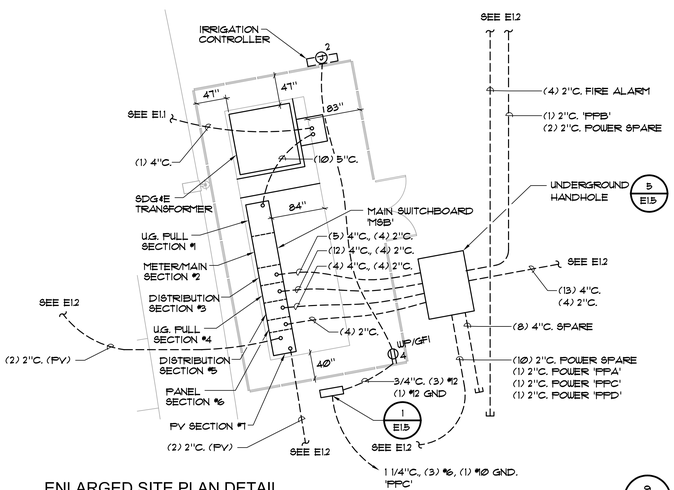
7 / E1.7



ENLARGED SITE DETAIL

SCALE: 1/8"=1'-0"

8 / E1.7



ENLARGED SITE PLAN DETAIL

1/8" = 1'-0"

9 / E1.7

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T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

KEY NOTES:

1. STUB AND CAB BELOW GRADE, REFERENCE E12 FOR STUB OUT LOCATIONS.
2. SEE SITE PLANS E12 FOR CONDUIT SIZES.

NOTES

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA

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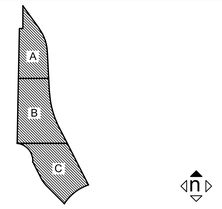
#17057.02 10/5/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:

SITE ELECTRICAL DETAILS

Architect's Seal

LICENSED ARCHITECT
ROBERT GUNDY
RENEWAL 02-28-19
NO. C-32437
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.7
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTG-01-E (Revised 04/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. General Information

Project Address: 35090 HORSE RANCH CREEK ROAD, FALLBROOK, CA 92028	Total Illuminated Hardscape Area: 484,211

Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration

Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ☑ LZ-3 ☐ LZ-4

I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. Lighting Compliance Documents (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑ NRCC-LTG-01-E	Certificate of Compliance
☑ NRCC-LTG-02-E	Outdoor Lighting Controls Certificate of Compliance
☑ NRCC-LTG-03-E	Outdoor Lighting Power Allowance Certificate of Compliance
☐ NRCC-LTG-04-E	Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power

		Watts
01	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTG-03-E, page 1 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTG-04, page 2.	22413.09
	Complies ONLY if **Installed** (Box 02) ≤ **Allowed** (Box 01)	
02	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTG-01-E, page 3.	21084

D. Declaration of Required Installation Certificates

Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☐ NRCI-LTG-01-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTG-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☐ NRCA LTG-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTG-01-E (Revised 04/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions
A,A2,A3,A4,B,C,D	EACH LED HEAD IS LESS THAN 150W

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions
A,A2,A3,A4,C,D	FIXTURES MORE THAN 24' HIGH, MOTION SENSOR IS NOT REQUIRED

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTG-01-E (Revised 04/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

01 Name or Item Tag	02 Complete Luminaire Description	03 Watts per Luminaire	04 How wattage was determined: CEC Default Table Watts	04 How wattage was determined: According to § 130.0(c)	05 Number of Luminaires	06 Total Installed Watts in this area (03 x 05)	07 Location: Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	08 Cutoff: BUG Rating	09 Field Inspector: Pass	09 Field Inspector: Fail
A,A2,A3,A4, C,D	136W LED POLE LIGHT HEAD	124	☐	☑	153	18972	PARKING LOT LIGHT	LH#: UL: FVH: BVH: FH: BH:	○	○
B	96W WALKWAY POLE LIGHT	96	☐	☑	22	2112	WALKWAY LIGHT	LH#: UL: FVH: BVH: FH: BH:	○	○
			☐	☐		0	WALL PACKS	LH#: UL: FVH: BVH: FH: BH:	○	○
							INSTALLED WATTS PAGE TOTAL:	21084	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTG-01-E; Page 1	21084	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTG-01-E (Revised 04/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature: Monica Hansen
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Monica Hansen	Responsible Designer Signature: Monica Hansen
Company: Johnson Consulting Engineers	Date Signed: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-02-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☑ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☑ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
- ☐ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 132.2(b)
- ☑ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1.
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
- ☑ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
- ☐ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
- ☐ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4 (a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-02-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or leave empty if Exempted)						Field Inspector: To Be Inspected	Field Inspector:
01 Location and Application of Luminaires Being Controlled	02 Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	03 # of Units	04 §130.2(a)	05 §130.2(c)1	06 §130.2(c)2	07 §130.2(c)3	08 §130.2(c)4	09 §130.2(c)5	10	11 Pass	12 Fail
WALKWAY LIGHT	MOTION SENSOR	22				★			☐	○	○
PARKING LOT	PHOTOCELL	1		★					☐	○	○
PARKING LOT, WALKWAY LIGHT	TIME CLOCK	1				★			☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-02-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature: Monica Hansen
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
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Responsible Designer Name: Monica Hansen	Responsible Designer Signature: Monica Hansen
Company: Johnson Consulting Engineers	Date Signed: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTG-03-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance Site Total from Section B of NRCC-LTG-03-C1	1	22413.09
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTG-03-E.		

PER APPLICATION from Section C-1		PER UNIT LENGTH* (SALES FRONTAGE) from Section C-2		PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3		PER SPECIFIC AREA from Section C-4.			
0	+	0	+	0	+	0	=	2	0
								3	22413.09

3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2) 3 22413.09

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (LWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
01 Name of Area	02 Illuminated Hardscape Area	03 AWA Per Square Foot	04 AWA (02 x 003)	05 Perimeter Length of General Hardscape	06 LFA per Linear Foot	07 LWA (005 x 006)	08 IWA (Watts)	09 804 + 807 + 808
PARKING LOT AND WALKWAY	484211	0.04	19368.44	8699	0.35	3044.65		22413.09
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0	TOTAL:	22413.09

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTG-03-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.

☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTG-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Number of Qualifying Locations	Wattage Allowance per Qualifying Location	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
							Sum total allowance per application on this site:		0

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH [Sales Frontage] from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Linear Feet of Sales Frontage	Wattage Allowance per Linear Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
							Sum total allowance for sales frontage on the site:		0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTG-03-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

- Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of area for which ornamental allowance is claimed	Square Feet of Hardscape	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
							Sum total allowance for ornamental lighting on the site:		0

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

- Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Illuminated Area of Application	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
							Sum total allowance for specific area on the site:		0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTG-03-E (Revised 08/16)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTG-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature: Monica Hansen
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Monica Hansen	Responsible Designer Signature: Monica Hansen
Company: Johnson Consulting Engineers	Date Signed: 10/1/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

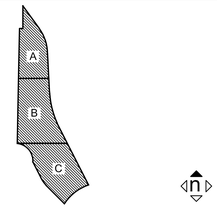
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
TITLE 24
OUTDOOR LIGHTING

Architect's Seal

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E2.0
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 09/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 1 of 4
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 9/6/2017

General Information

Project Address:		Climate Zone:	Conditioned Floor Area :
35090 HORSE RANCH CREEK ROAD, FALLBROOK, CA 92028		10	Unconditioned Floor Area :
Building Type:	☑ Nonresidential ☐ High-Rise Residential		☐ Hotel/Motel
☑ Schools	☐ Relocatable Public Schools ☐ Conditioned Spaces		☐ Unconditioned Spaces
Phase of Construction:	☑ New Construction ☐ Addition		☐ Alteration

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.

Document Number	Document Title/Descriptions (include description information for Table or Schedule # it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)

Add Row | Remove Last

A. Service Electrical Metering

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).

☐ For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). *Fill out Column 1 through 6 of table below.*

☐ For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)2P. *Fill out Column 1 through 6 of table below.*

☑ EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. *Fill out Column 1, 2 and 6 of table below with the compliance information.*

Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities [check all that are present]				Exception to 130.5 (a)	Field Inspector
01	02	03	04	05	06	07	08
Electrical Service Designation/ Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	Utility metering system	Check that the metering complies
MSB	3,324	☐	☐	☐	☐	☑	☐

Add Row | Remove Last

B. Separation of Electrical Circuits for Electrical Energy Monitoring

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).

☐ The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution systems is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-A.

☐ Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System information and Method of compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used	kVA	Check that the system complies
			☐

Field Inspector Notes:

C. Voltage Drop

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(c).

	Enforcement Agency Check that the system complies
☐ The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.	☐
☐ Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.	☐

D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles

Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.

	Field Inspector Check that the system complies
☐ The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not be used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)1.	☐
☐ There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3.	☐
☐ For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The exceptions meet the requirement of Section 130.5(d)4.	☐
☐ Receptacles that are only for the following purposes are excepted from Section 130.5(d): - Receptacles specifically for refrigerators and water dispensers in kitchen areas. - Receptacles located a minimum of six ft above the floor that are specifically for clocks. - Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms. - Receptacles on circuits rated more than 20 amperes. - Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.	☐

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature: Monica Hansen
Company: Johnson Consulting Engineers	Signature Date: 9/8/2017
Address: 12875 Brookprinter Place, Suite 300	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
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City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA
10/3/2017

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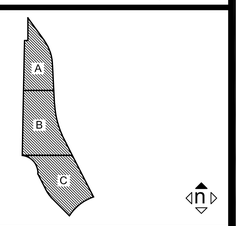
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE____

Project Title
PALOMAR COLLEGE Learning for Success

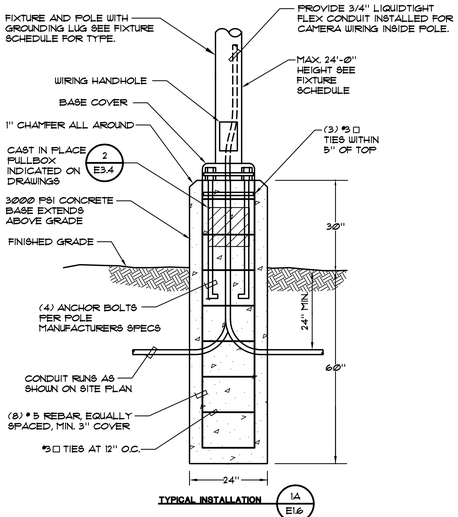
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
TITLE 24
ELECTRICAL DISTRIBUTION

Architect's Seal
REGISTERED ARCHITECT — BRADLEY E. CLARK — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E2.0.1
Date:	10/6/2017		

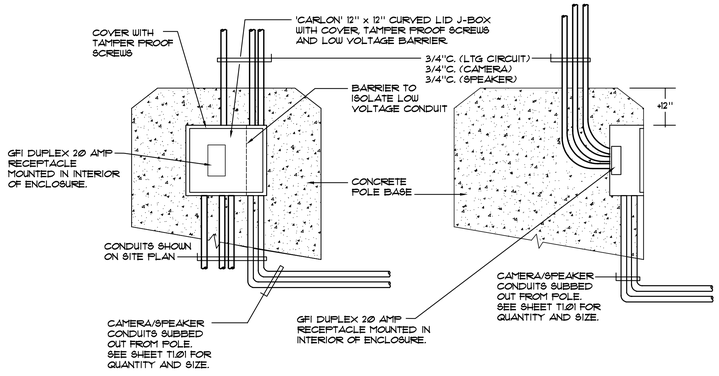


TYPICAL INSTALLATION 1A E1.6

CONCRETE BASE AND POLE DETAIL

1 E3.4

NO SCALE



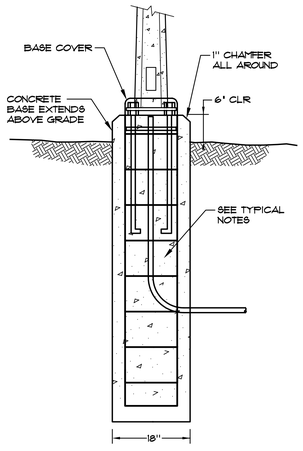
FRONT VIEW

SIDE VIEW

POLE BASE PULLBOX / RECEPTACLE

2 E3.4

NO SCALE



INSTALLATION AT LANDSCAPING

NOTE:
REFERENCE SITE PLANS AND ARCHITECTURAL PLANS FOR POLE LOCATIONS WHETHER INSTALLED IN WALKWAY OR LANDSCAPE AREA.

CONCRETE POLE DETAIL

3 E3.4

NO SCALE

LIGHTING FIXTURE SCHEDULE

Mark	Approved Manufacturer's (See Key Note No.1)	Catalog Series Type (See Key Note No.2)	FIXTURE: Incandescent	Fluorescent	Metal Halide	High pressuresodium	Low pressuresodium	LED	Volts	Lamp Watts / Fixture Watts	LAMP: NO.	LAMP: Type	MOUNTING: Recessed / Ceiling	Surface/ Ceiling	Surface / Wall	Recessed / Wall	Pendant	Surface / Wall	Pole	Description
A	KIM LIGHTING EATON	ARX16 SERIES GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	124		LED							■	(1) MINIMUM 11,537 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE III CUT-OFF, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (ONE FIXTURE HEAD PER POLE) DARK BRONZE FINISH. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4
A2	KIM LIGHTING EATON	ARX16 SERIES (2) GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	248		LED							■	(1) MINIMUM 23,074 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE 'X' DISTRIBUTION, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (TWO FIXTURE HEADS PER POLE) DARK BRONZE FINISH. PROVIDE WITH NEIGHBOR FRIENDLY OPTICS OR FIELD ADJUST LED MODULES IN FIXTURE HEAD TO ENSURE ZERO SPILL BEYOND PROPERTY LINE. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4
A3	KIM LIGHTING EATON	ARX16 SERIES (2) GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	372		LED							■	(1) MINIMUM 34,611 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE IV CUT-OFF, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (THREE FIXTURE HEADS PER POLE) DARK BRONZE FINISH. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4
A4	KIM LIGHTING EATON	ARX16 SERIES GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	496		LED							■	(1) MINIMUM 46,148 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE III CUT-OFF, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (FOUR FIXTURE HEADS PER POLE) DARK BRONZE FINISH. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4
B	EATON INVUE LUMINIS	ARB ARBOR SERIES MAZI SERIES						■	□ 120 □ 208 ■ 277 □ 480	96		LED							■	(1) MINIMUM 7,900 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE V CUT-OFF, ARCHITECTURAL STYLE POST TOP, CAST ALUMINUM, MOUNTED ON 10'-0" CONCRETE POLE DESIGNED FOR 100 MPH WIND SPEED (ONE FIXTURE HEAD PER POLE). PROVIDE FITTER ASSEMBLY. PROVIDE WITH MOTION SENSOR TO REDUCE THE LIGHTING POWER BY 50% WHEN THE AREA IS UNOCCUPIED. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 3 E3.4
C	KIM LIGHTING EATON	ARX16 SERIES GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	248		LED							■	(1) MINIMUM 23,074 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE IV CUT-OFF, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (TWO FIXTURE HEADS PER POLE) DARK BRONZE FINISH. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4
D	KIM LIGHTING EATON	ARX16 SERIES GLEON SERIES						■	□ 120 □ 208 ■ 277 □ 480	248		LED							■	(1) MINIMUM 23,074 LUMEN, 4000 KELVIN, 0-10V DIMMING, TYPE III CUT-OFF, CAST ALUMINUM, MOUNTED ON 25'-0" ALUMINUM POLE DESIGNED FOR 100 MPH WIND SPEED MIN. 10.5 EPA RATED (TWO FIXTURE HEADS PER POLE) DARK BRONZE FINISH. □ Provide emergency ballast Type 'EM' □ Provide custom color finish, to be selected at time of submittal ■ See detail 1 E3.4

KEY NOTES:

(1) IN ORDER FOR EQUAL TO BE APPROVED, LIGHT FIXTURE MUST BE SIMILAR PHYSICALLY, HAVE A SIMILAR WATTAGE AND LIGHTING FIXTURE REPRESENTATIVE MUST PROVIDE A LIGHTING CALCULATION SHOWING THAT THE EQUAL PRODUCES A SIMILAR NUMBER OF FOOTCANDLES AS THE SPECIFIED FIXTURE. PROVIDE SUBSTITUTION REQUEST AS PER SPECIFICATIONS.

(2) PROVIDE CUSTOM FIELD AIMING OF LED'S TO KEEP LIGHTING OFF PROPERTY LINE TO 0.0 FOOTCANDLES AS REQUIRED.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

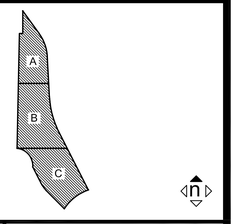
SM KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER
Matthew Johnson
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA
10/2/2017

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
LIGHTING FIXTURE SCHEDULE

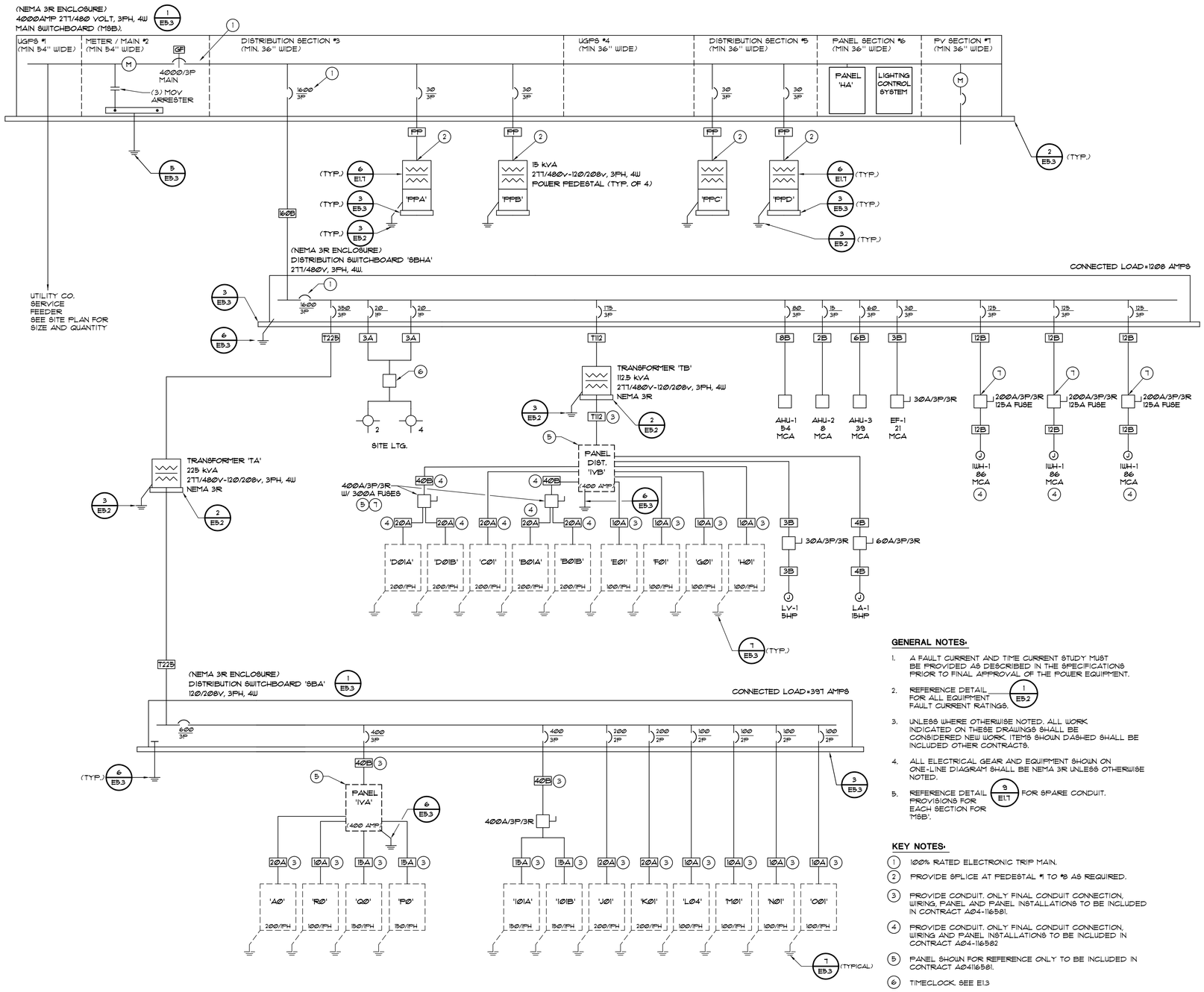
Architect's Seal

REGISTERED ARCHITECT
Ryan Gaede
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E3.4
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

E5.1

GENERAL NOTES:

1. A FAULT CURRENT AND TIME CURRENT STUDY MUST BE PROVIDED AS DESCRIBED IN THE SPECIFICATIONS PRIOR TO FINAL APPROVAL OF THE POWER EQUIPMENT.
2. REFERENCE DETAIL 1 E5.2 FOR ALL EQUIPMENT FAULT CURRENT RATINGS.
3. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK. ITEMS SHOWN DASHED SHALL BE INCLUDED OTHER CONTRACTS.
4. ALL ELECTRICAL GEAR AND EQUIPMENT SHOWN ON ONE-LINE DIAGRAM SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.
5. REFERENCE DETAIL 9 E1.7 FOR SPARE CONDUIT. PROVISIONS FOR EACH SECTION FOR MSB', SWBD 'A' AND SWBD 'B'.

KEY NOTES:

1. 100% RATED ELECTRONIC TRIP MAIN.
2. PROVIDE SPLICE AT PEDESTAL #1 TO #8 AS REQUIRED.
3. PROVIDE CONDUIT, ONLY FINAL CONDUIT CONNECTION, WIRING, PANEL AND PANEL INSTALLATIONS TO BE INCLUDED IN CONTRACT A04-116581.
4. PROVIDE CONDUIT, ONLY FINAL CONDUIT CONNECTION, WIRING AND PANEL INSTALLATIONS TO BE INCLUDED IN CONTRACT A04-116582
5. PANEL SHOWN FOR REFERENCE ONLY TO BE INCLUDED IN CONTRACT A04116581.
6. TIMECLOCK. SEE E1.3
7. PROVIDE MULTI SERVICE DISCONNECT PLAQUE AND LOCATE 277/480V AND 120/208V DISCONNECTS ADJACENT TO EACH OTHER PER CEC 225.37.

600Volt Feeder Schedule

I.D.	Type	Ampacity	Copper Conduit	Copper Conductors	Aluminum Conduit	Aluminum Conductors
2A		20	(1) 3/4"	3 # 12, 1# 12 Gnd	NA	NA
2B		20	(1) 3/4"	4 # 12, 1# 12 Gnd	NA	NA
3A		30	(1) 3/4"	3 # 10, 1# 10 Gnd	NA	NA
3B		30	(1) 3/4"	4 # 10, 1# 10 Gnd	NA	NA
4A		40	(1) 1"	3 # 8, 1# 10 Gnd	NA	NA
4B		40	(1) 1"	4 # 8, 1# 10 Gnd	NA	NA
5A		50	(1) 1"	3 # 6, 1# 10 Gnd	NA	NA
5B		50	(1) 1"	4 # 6, 1# 10 Gnd	NA	NA
6A		60	(1) 1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
6B		60	(1) 1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
7A		70	(1) 1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
7B		70	(1) 1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
8A		80	(1) 1 1/4"	3 # 3, 1# 8 Gnd	NA	NA
8B		80	(1) 1 1/4"	4 # 3, 1# 8 Gnd	NA	NA
9A		90	(1) 1 1/2"	3 # 2, 1# 8 Gnd	NA	NA
9B		90	(1) 1 1/2"	4 # 2, 1# 8 Gnd	NA	NA
10A		100	(1) 1 1/2"	3 # 1, 1# 6 Gnd	NA	NA
10B		100	(1) 1 1/2"	4 # 1, 1# 6 Gnd	NA	NA
12A		125	(1) 2"	3 # 1, 1# 6 Gnd	(1) 2"	3 # 2/0, 1# 3 Gnd
12B		125	(1) 2"	4 # 1, 1# 6 Gnd	(1) 2"	4 # 2/0, 1# 3 Gnd
15A		150	(1) 2"	3 # 1/0, 1# 6 Gnd	(1) 2"	3 # 3/0, 1# 3 Gnd
15B		150	(1) 2"	4 # 1/0, 1# 6 Gnd	(1) 2"	4 # 3/0, 1# 3 Gnd
17A		175	(1) 2"	3 # 2/0, 1# 6 Gnd	(1) 2"	3 # 4/0, 1# 3 Gnd
17B		175	(1) 2"	4 # 2/0, 1# 6 Gnd	(1) 2"	4 # 4/0, 1# 3 Gnd
20A		200	(1) 3"	3 # 3/0, 1# 4 Gnd	(1) 3"	3 # 250, 1# 2 Gnd
20B		200	(1) 3"	4 # 3/0, 1# 4 Gnd	(1) 3"	4 # 250, 1# 2 Gnd
22A		225	(1) 3"	3 # 4/0, 1# 4 Gnd	(1) 3"	3 # 300, 1# 2 Gnd
22B		225	(1) 3"	4 # 4/0, 1# 4 Gnd	(1) 3"	4 # 300, 1# 2 Gnd
25A		250	(1) 3"	3 # 250, 1# 4 Gnd	(1) 3"	3 # 350, 1# 2 Gnd
25B		250	(1) 3"	4 # 250, 1# 4 Gnd	(1) 3"	4 # 350, 1# 2 Gnd
30A		300	(1) 3"	3 # 350, 1# 4 Gnd	(1) 3"	3 # 500, 1# 2 Gnd
30B		300	(1) 3"	4 # 350, 1# 4 Gnd	(1) 3"	4 # 500, 1# 2 Gnd
35A		350	(2) 2"	3 # 2/0, 1# 2 Gnd	(2) 2"	3 # 4/0, 1# 1 Gnd
35B		350	(2) 2"	4 # 2/0, 1# 2 Gnd	(2) 2"	4 # 4/0, 1# 1 Gnd
40A		400	(2) 3"	3 # 3/0, 1# 2 Gnd	(2) 3"	3 # 250, 1# 1/0 Gnd
40B		400	(2) 3"	4 # 3/0, 1# 2 Gnd	(2) 3"	4 # 250, 1# 1/0 Gnd
45A		450	(2) 3"	3 # 4/0, 1# 2 Gnd	(2) 3"	3 # 300, 1# 1/0 Gnd
45B		450	(2) 3"	4 # 4/0, 1# 2 Gnd	(2) 3"	4 # 300, 1# 1/0 Gnd
50A		500	(2) 3"	3 # 250, 1# 2 Gnd	(2) 3"	3 # 350, 1# 1/0 Gnd
50B		500	(2) 3"	4 # 250, 1# 2 Gnd	(2) 3"	4 # 350, 1# 1/0 Gnd
60A		600	(2) 3"	3 # 350, 1# 1 Gnd	(2) 3"	3 # 500, 1# 2/0 Gnd
60B		600	(2) 3"	4 # 350, 1# 1 Gnd	(2) 3"	4 # 500, 1# 2/0 Gnd
70A		700	(3) 3"	3 # 4/0, 1# 1/0 Gnd	(3) 3"	3 # 300, 1# 3/0 Gnd
70B		700	(3) 3"	4 # 4/0, 1# 1/0 Gnd	(3) 3"	4 # 300, 1# 3/0 Gnd
80A		800	(3) 3"	3 # 300, 1# 1/0 Gnd	(3) 3"	3 # 500, 1# 3/0 Gnd
80B		800	(3) 3"	4 # 300, 1# 1/0 Gnd	(3) 3"	4 # 500, 1# 3/0 Gnd
100B		1000	(4) 3"	4 # 250, 1# 2/0 Gnd	(4) 3"	4 # 400, 1# 4/0 Gnd
120B		1200	(4) 4"	4 # 350, 1# 3/0 Gnd	(4) 4"	4 # 500, 1# 250 Gnd
160B		1600	(5) 4"	4 # 400, 1# 4/0 Gnd	(5) 4"	4 # 600, 1# 350 Gnd
200B		2000	(6) 4"	4 # 500, 1# 250 Gnd	(6) 4"	4 # 600, 1# 400 Gnd
250B		2500	(7) 4"	4 # 500, 1# 350 Gnd	(7) 4"	4 # 750, 1# 600 Gnd
300B		3000	(8) 4"	4 # 500, 1# 350 Gnd	(8) 4"	4 # 750, 1# 600 Gnd
350B		3500	(12) 4"	4 # 350, 1# 400 Gnd	(12) 4"	4 # 500, 1# 600 Gnd
400B		4000	(12) 4"	4 # 400, 1# 400 Gnd	(12) 4"	4 # 600, 1# 750 Gnd
PP		30	(1) 2"	3 # 1, 1# 6 Gnd		

600V FEEDER SCHEDULE LEGEND

T75 "T" INDICATES TYPICAL TRANSFORMER FEEDER REFERENCE. THE NUMBER INDICATES TRANSFORMER TYPE. REFER TO SCHEDULE ON SHEET E5.2 FOR SIZE REQUIRED.

2 00 — 2 INDICATES QUANTITY OF CONDUITS REQUIRED = (2)
4 INDICATES SIZE OF CONDUITS REQUIRED = 4"
00 INDICATES "CONDUIT ONLY"

600V FEEDER SCHEDULE GENERAL NOTES:

1. ALL CONDUCTOR SHALL BE PROVIDED WITH TYPE THWN-2 INSULATION. REFERENCE SPECIFICATION SECTION 26 05 19 (16120) FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE 60 DEGREE COPPER/ALUMINUM RATED TERMINATION FOR ALL FEEDERS SIZED WITH #2 OR SMALLER CONDUCTORS. PROVIDE 75 DEGREE COPPER/ALUMINUM RATED TERMINATIONS FOR ALL FEEDERS SIZED WITH #1 OR LARGER CONDUCTORS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING LUG CONFIGURATION AN ALL EQUIPMENT, BREAKER OF DISCONNECTS TO MATCH FEEDER CONFIGURATIONS INDICATED.
4. WHERE MULTIPLE CONDUIT QUANTITIES ARE INDICATED, CONDUCTOR QUANTITIES AND SIZES SHOWN IN SCHEDULE SHALL BE PROVIDED IN EACH CONDUIT.

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KEYNOTES

NOTES

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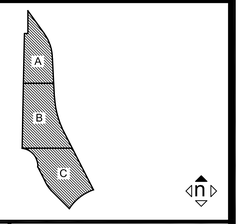
REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

¶T0ST.02 10/3/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
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APPL. 04-116580
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DATE

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
ONE LINE DIAGRAM

Architect's Seal
REGISTERED ARCHITECT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

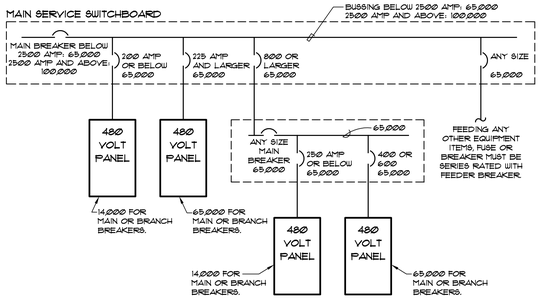
Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E5.1
Date:	10/6/2017		

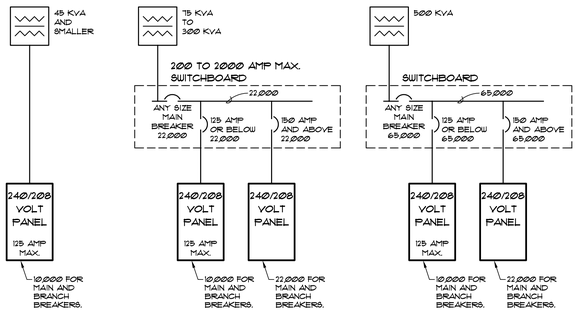
PLEASE RECYCLE

DSA SUBMITTAL

GENERAL NOTE:

1. ALL RATINGS SHOWN ARE FOR A UL LISTED SERIES COMBINATION OF THE BREAKERS INDICATED.

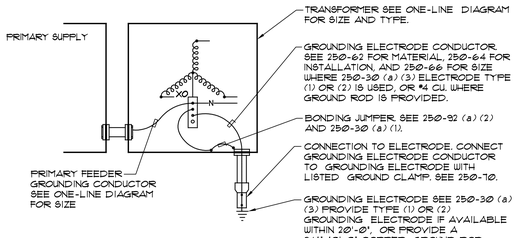




TYPICAL 480 VOLT SERVICE AIC EQUIPMENT RATINGS

NO SCALE

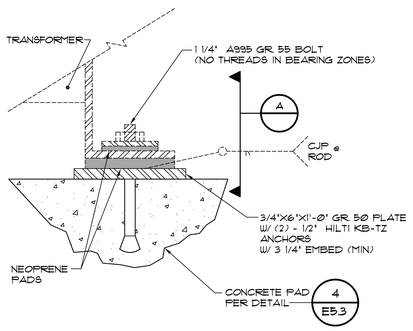
1 / E5.2

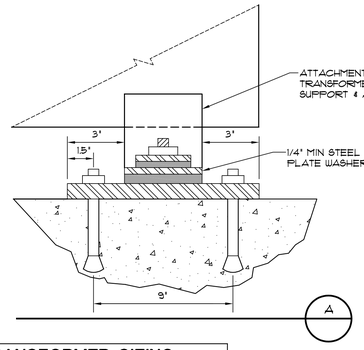


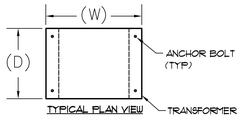
THREE PHASE TRANSFORMER GROUNDING

NO SCALE

3 / E5.2







TRANSFORMER SIZING

	WIDTH (W)	DEPTH (D)	HEIGHT	WEIGTH
30 KVA	24''	20''	33''	352 LBS.
112.5 KVA	35''	30''	46''	805 LBS.
225 KVA	48''	34''	56''	1365 LBS.

TRANSFORMER ANCHORAGE DETAIL

NO SCALE

2 / E5.2

SINGLE PHASE TRANSFORMER FEEDER SCHEDULE

ID	RATING	CONDUCTOR	PRIMARY	SECONDARY
T10	10KVA	COPPER	(1) 3/4"C. 2 #10, 1 #12 GND	(1) 1 1/4"C. 3 #4, 1 #10 GND
		ALUMINUM	NA	NA
T15	15KVA		(1) 3/4"C. 2 #8, 1#10 GND	(1) 1 1/2"C. 3 #3, 1 #6 GND
			NA	NA
T25	25KVA		(1) 1 1/4"C. 2 #4, 1 #8 GND	(1) 2"C. 3 #1, 1 #6 GND
			NA	NA

THREE PHASE TRANSFORMER FEEDER SCHEDULE

ID	RATING	CONDUCTOR	PRIMARY	SECONDARY
T30	30 KVA	COPPER	(1) 1"C. 3 #6, 1 #8 GND	(1) 1 1/2"C. 4 #1, 1 #6 GND
		ALUMINUM	NA	NA
T45	45 KVA	COPPER	(1) 1 1/4"C. 3 #4, 1 #6 GND	(1) 2"C. 4 #2/0, 1 #6 GND
		ALUMINUM	NA	NA
T75	75 KVA	COPPER	(1) 2"C. 3 #1, 1 #6 GND	(1) 3"C. 4 #250, 1 #4 GND
		ALUMINUM	(1) 2"C. 3 #2/0, 1 #3 GND	3"C. 4 #350, 1 #2 GND
T112	112 1/2 KVA	COPPER	(1) 2"C. 3 #2/0, 1 #4 GND	(2) 3"C. 4 #3/0, 1 #2 GND
		ALUMINUM	(1) 2"C. 3 #4/0, 1 #2 GND	(2) 3"C. 4 #250, 1 #1/0 GND
T150	150 KVA	COPPER	(1) 3"C. 3 #4/0, 1 #4 GND	(2) 3"C. 4 #350, 1 #1 GND
		ALUMINUM	(1) 3"C. 3 #300, 1 #2 GND	(2) 3"C. 4 #500, 1 #2/0 GND
T225	225 KVA	COPPER	(2) 2"C. 3 #2/0, 1 #2 GND	(3) 3"C. 4 #300, 1 #1/0 GND
		ALUMINUM	(2) 2"C. 3 #4/0, 1 #1/0 GND	(3) 3"C. 4 #500, 1 #3/0 GND
T300	300 KVA	COPPER	(2) 3"C. 3 #4/0, 1 #2 GND	(4) 3"C. 4 #350, 1 #3/0 GND
		ALUMINUM	(2) 3"C. 3 #300, 1 #1/0 GND	(4) 3"C. 4 #500, 1 #250 GND
T500	500 KVA	COPPER	(3) 4"C. 3 #300, 1 #1/0 GND	(6) 3"C. 4 #250, 1 #250 GND
		ALUMINUM	(3) 4"C. 3 #400, 1 #3/0 GND	(6) 3"C. 4 #400, 1 #400 GND

HA

277/480 3PH, 4WIRE | 200 AMP | Main Breaker | ENCLOSURE TYPE | ENCLOSURE NOTE

200% Neutral Bus | Lug X | NEMA TYPE 1
(INTEGRAL)TVSS Protection | Enclosure Recessed X | X NEMA TYPE 3R
(REMOTE)TVSS Protection | Surface | NEMA TYPE 4X
Service Entrance Rated | GENERAL DISTRIBUTION | PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING,
Load Side Feed thru Lugs | BREAKER REQUIREMENTS : | MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL.

LCL	NHL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NHL
X		Site Lighting	20	1	1	2200			2	20	1	SPACE		
X		Site Lighting	20	1	3		1100		4	20	1	SPACE		
X		Site Lighting	20	1	5			1100	6	20	1	SPACE		
X		Site Lighting	20	1	7	1100			8	20	1	SPACE		
X		Site Lighting	20	1	9		1700		10	20	1	SPACE		
X		Site Lighting	20	1	11			1800	12	20	1	SPACE		
X		Site Lighting	20	1	13	1700			14	20	1	SPACE		
X		Site Lighting	20	1	15		1400		16	20	1	SPACE		
X		Site Lighting	20	1	17			600	18	20	1	SPACE		
X		Site Lighting	20	1	19	1400			20	20	1	SPACE		
X		Site Lighting	20	1	21		800		22	20	1	SPACE		
X		Site Lighting	20	1	23			800	24	20	1	SPACE		
X		Site Lighting	20	1	25	1400			26	20	1	SPACE		
X		Site Lighting	20	1	27		1400		28	20	1	SPACE		
		Spare	20	1	29			0	30	20	1	SPACE		
		Spare	20	1	31				32	20	1	SPACE		
		Spare	20	1	33				34	20	1	SPACE		
		Spare	20	1	35				36	20	1	SPACE		
		Spare	20	1	37				38	20	1	SPACE		
		Spare	20	1	39				40	20	1	SPACE		
		Spare	20	1	41				42	20	1	SPACE		
SPECIAL PANEL									NOTE #1					
NOTE									NOTE #2					
NHL= Non Harmonic Load		TOTAL LOAD PER PHASE				7800	6400	4300						
LCL= Long Continuous Load		25% LONG CONTINUOUS LOADS				1950	1600	1075	HIGH PHASE	9750	/ 0.9pf = VA @	277V	35.1	AMPS
									ALL PHASES	23125	/ 0.9pf = VA @	480V/3PH	31.0	AMPS
		SUB PANEL												
Max. Neut. Load		SUB PANEL							DEMAND PER	X				
48 AMPS		TOTAL CONNECTED LOAD:				9750	8000	5375	NEC 220-34				23	AMPS

HMC Architects
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SM

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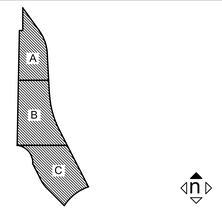
REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.02 — 10/4/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

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ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE — Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
ONE LINE DETAILS

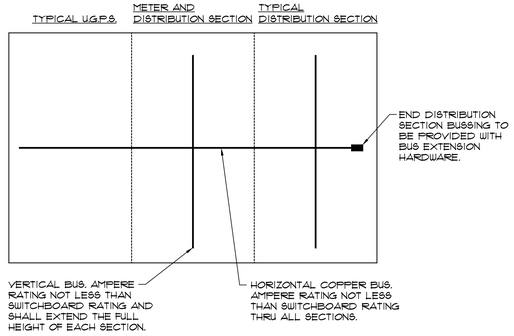
Architect's Seal

REGISTERED ARCHITECT — NO. C-32437 — RENEWAL 02-28-19 — STATE OF CALIFORNIA

Designed: JF	Project No. 5015019-102
Drawn: AO	Scale:
QA/QC: RG	Drawing No. E5.2
Date: 10/6/2017	

PLEASE RECYCLE

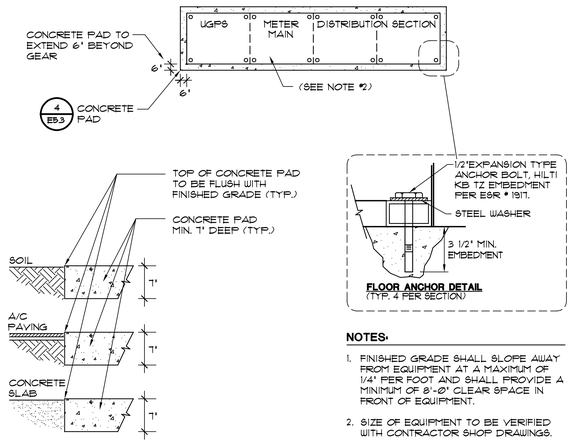
DSA SUBMITTAL



SWITCHBOARD BUS CONFIGURATION DETAIL

NO SCALE

DET- P21 — 1 / E5.3



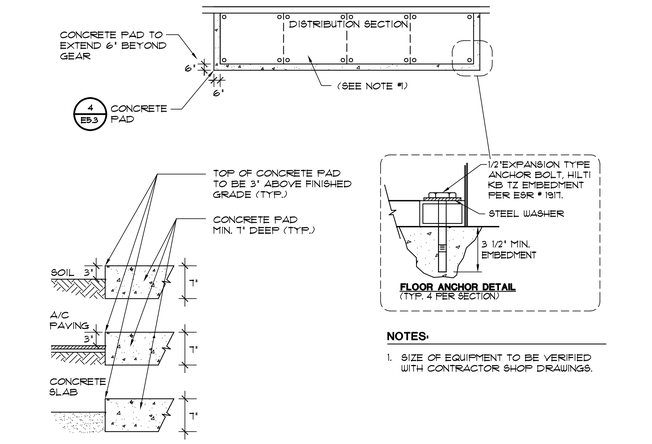
NOTES:

1. FINISHED GRADE SHALL SLOPE AWAY FROM EQUIPMENT AT A MAXIMUM OF 1/4" PER FOOT AND SHALL PROVIDE A MINIMUM OF 3'-0" CLEAR SPACE IN FRONT OF EQUIPMENT.
2. SIZE OF EQUIPMENT TO BE VERIFIED WITH CONTRACTOR SHOP DRAWINGS.

TYPICAL ELECTRICAL (SERVICE) EQUIPMENT PAD DETAIL

NO SCALE

DET- D11 — 2 / E5.3



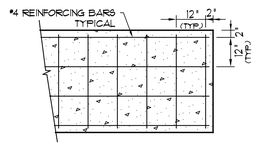
NOTES:

1. SIZE OF EQUIPMENT TO BE VERIFIED WITH CONTRACTOR SHOP DRAWINGS.

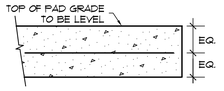
TYPICAL ELECTRICAL EQUIPMENT PAD DETAIL

NO SCALE

DET- D11 — 3 / E5.3



TYPICAL SECTION ELEVATION



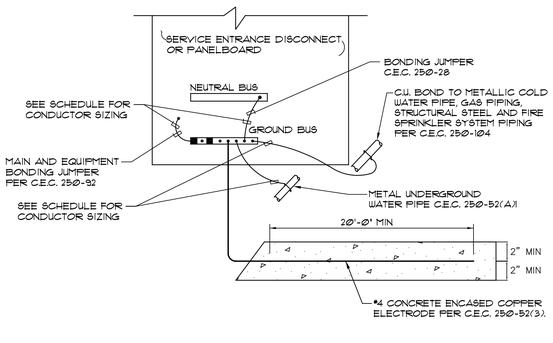
GENERAL NOTES

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AS PER 1905A METHOD 'A' AND TABLE 19A-A-8. BATCH PLANT INSPECTIONS AND TESTS OF CEMENT AND REINFORCING BARS MAY BE WAIVED PER TITLE 24 SECTION 1704A.4.3 & 1704A.4.4.
2. CONCRETE MIX DESIGNS SHALL COMPLY WITH TITLE 24 SECTION 1905A.2.
3. PORTLAND CEMENT SHALL CONFORM TO (ASTM C-150) TYPE I OR II
4. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33
5. CONCRETE PLACEMENT SHALL CONFORM TO TITLE 24 SECTION 1905A.1.
6. ALL REINFORCING BARS SHALL CONFORM TO TITLE 24 SECTION 1903A AND ASTM A-615 GRADE 60.

TYPICAL HOUSEKEEPING PAD DETAIL

NO SCALE

DET- A42 — 4 / E5.3

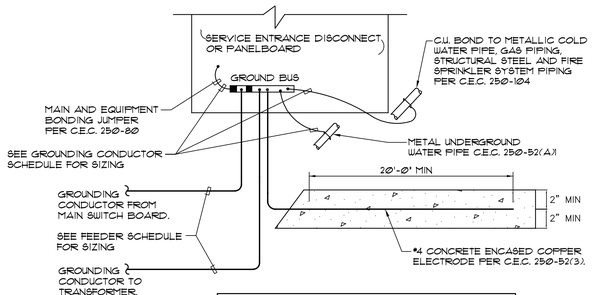


GROUND SIZING SCHEDULE	
EQUIPMENT AMPACITY	GROUNDING CONDUCTOR SIZE
0 - 200 AMPS	#4 CU.
201 - 400 AMPS	#1/0 CU.
401 - 800 AMPS	#2/0 CU.
801 - 1200 AMPS	#3/0 CU.
1201 - 2000 AMPS	#250 CU.
2001 - 4000 AMPS	#350 CU.

MAIN SERVICE ENTRANCE GROUNDING AND BONDING DETAIL

NO SCALE

DET- G13 (2004 CEC) — 5 / E5.3

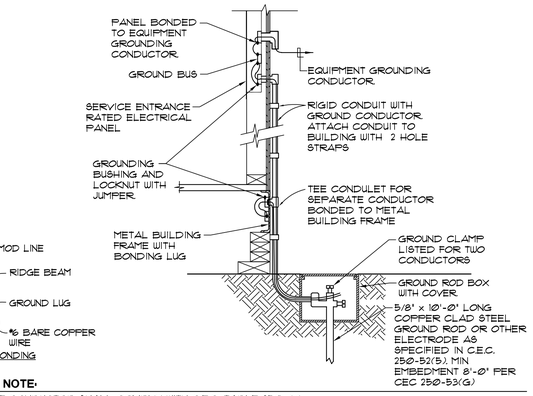


GROUND SIZING SCHEDULE	
EQUIPMENT AMPACITY	GROUNDING CONDUCTOR SIZE
0 - 200 AMPS	#4 CU.
201 - 400 AMPS	#1/0 CU.
401 - 800 AMPS	#2/0 CU.
801 - 1200 AMPS	#3/0 CU.
1201 - 2000 AMPS	#250 CU.
2001 - 4000 AMPS	#350 CU.

SERVICE ENTRANCE GROUNDING AND BONDING DETAIL

NO SCALE

DET- G13 (2004 CEC) — 6 / E5.3



GENERAL NOTE:

1. SIZE OF CONDUCTOR SHALL COMPLY WITH C.E.C. TABLE 250-66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL (250-52(5)) AND TO METAL BUILDING FRAME (C.E.C. 250-104(C)). IN ADDITION TO THE DETAIL ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE IF AVAILABLE. (C.E.C. 250-104(A)).
3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMP SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, EXTEND CONDUCTORS, AS REQUIRED TO ADDITIONAL GROUND RODS AS NEEDED, SEPARATED BY AT LEAST 6'-0" UNTIL RESISTANCE IS 25 OHM OR LESS (CEC 250.56).

RELOCATABLE CLASSROOM GROUNDING DETAIL

NO SCALE

DET- G22 (2007 CEC) — 7 / E5.3

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM KEYNOTES

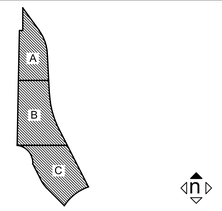
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.02 — 9/8/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
PALOMAR COLLEGE — Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

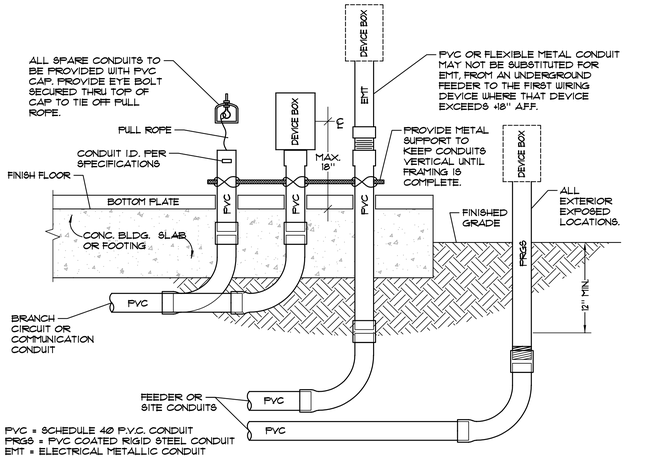
Drawing Title:
ONE LINE DETAILS

Architect's Seal
REGISTERED ARCHITECT — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E5.3
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



TYPICAL CONDUIT DETAIL

NO SCALE

DET- C13

1 / E6.1

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3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

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Power | Lighting | Multimedia
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Poway, CA 92064
P 858.679.4030 | F 858.513.0559
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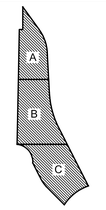
REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.02 9/8/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

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DIV. OF THE STATE ARCHITECT
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Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/6/2017

Drawing Title:
ELECTRICAL DETAILS

Architect's Seal

REGISTERED ARCHITECT — BRADLEY E. GRANDE — No. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E6.1
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

TELECOM LEGEND

SYMBOL	DESCRIPTION
-	NOTE CALLOUT
- / -	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
1	BUILDING NUMBER
	UNDERGROUND CONDUIT
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CONDUIT WITH CAP
	TELECOMMUNICATIONS PULLBOX

TELECOM GENERAL NOTES

1. ALL TELECOMMUNICATIONS WORK SHALL COMPLY WITH THE LATEST EDITION OF THE PALOMAR COLLEGE TELECOMMUNICATIONS INFRASTRUCTURE STANDARDS AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
2. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
3. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE MISDESCRIPTION OF DETAILS OF WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
5. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
6. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANYWAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
7. FOR PURPOSES OF CLEARNESS AND LEGIBILITY THE TELECOM DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE TELECOM WORK INTERFACES WITH OTHER TRADES.
8. USE "J" HOOKS FOR THE BULK OF THE STATION CABLE DISTRIBUTION. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF SIX INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
10. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP MATERIAL INSTALLED, PER THE MANUFACTURERS INSTRUCTIONS.
11. CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER STANDARD) BEFORE UTILIZING ANOTHER VACANT CONDUIT.
12. EACH OSP CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING CABLE TYPE, PAIR OR OPTIC COUNTS, DISTANT END AND CABLE LENGTH. BOTH ENDS SHALL OF EACH CABLE SHALL BE SO LABELED.
13. FIBER CABLE SHALL BE PLACED WITH SIX METER (6) MAINTENANCE LOOP AT BOTH ENDS OF THE RUN. THE MAINTENANCE LOOP SHALL BE SECURED IN SUCH A MANNER TO PROVIDE PROTECTION DURING SUBSEQUENT CABLE PULLS.
14. ANY DEVIATIONS FROM PLANS OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE ENGINEER AND DISTRICT REPRESENTATIVE.
15. ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO DISTRICT PROPERTY REPAIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
16. ALL FOOTAGES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
17. ALL CABLE TRAYS, LADDER RACKS, CONDUIT, EQUIPMENT RACKS, PROTECTOR PANELS, AND CABLE SHEATHS SHALL BE BONDED & GROUNDED TO EQUIPMENT GROUND WITH #6 WIRE.
18. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
19. ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
20. PULLBOXES MUST BE USED ON ANY INTRA-BUILDING CONDUIT RUN MORE THAN 100 FEET IN LENGTH OR WITH MORE THAN 180 DEGREES OF BEND. PULLBOXES SHALL BE A MINIMUM OF TWELVE (12) TIMES THE DIAMETER OF THE LARGEST CONDUIT. ALL COMMUNICATIONS CONDUIT SHALL ENTER AND LEAVE PULL BOXES IN THE SAME DIRECTION - NO RIGHT ANGLE BENDS WILL BE ALLOWED WITHIN PULL BOXES.

TELECOM RESPONSIBILITY MATRIX

TASK	PARTY
TELECOM CONDUIT, BACKBOXES, SLEEVES	EC
TELECOM CONDUIT ID LABELING AND PULLSTRINGS	EC
GROUNDING FOR TELECOM	EC
TELECOM CABLING AND TERMINATION	CC
TELECOM FACEPLATES AND DIVIDERS	CC
PULLBOXES AND VAULTS	EC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

AUDIOVISUAL LEGEND

EMERGENCY PAGING SPEAKERS. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) 1" CONDUIT TO LOCATION. REFER TO TAV/4.01 FOR CABLING DETAILS

A/V RESPONSIBILITY MATRIX

TASK	PARTY
AV CONDUIT, BACKBOXES, SLEEVES	EC
AV CONDUIT ID LABELING AND PULLSTRINGS	EC
POWER TO AUDIOVISUAL EQUIPMENT	EC
AV EQUIPMENT STRUCTURAL SUPPORTS (SCREENS, DISPLAY BACKING, SPEAKERS)	AVC
AV EQUIPMENT RACKS AND CREDENZA CABINET INSTALLATION	AVC
AV CABLING AND TERMINATION	AVC
AV FACEPLATES AND DIVIDERS	AVC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

AUDIOVISUAL GENERAL NOTES

1. ELITE MODULAR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, PULL STRING, ENCLOSURES, FLOOR BOXES, POWER RECEPTACLES AND POWER CONNECTIONS IDENTIFIED IN THESE DRAWINGS AND SPECIFICATIONS.
2. ALL CONDUIT RUNS SHALL BE CONTINUOUS FROM END TO END.
3. ALL CONDUIT CONNECTORS SHALL BE FURNISHED WITH NYLON BUSHINGS AND CHASE NIPPLES TO PREVENT DAMAGE TO CABLES FROM UNEVENLY CUT CONDUIT.
4. ALL JUNCTION BOXES IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED, AND CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
5. CAULK OR SEAL PENETRATIONS THAT ARE MADE THROUGH ACOUSTIC WALLS WITH ACOUSTICAL SEALANT.
6. DIMENSIONS ARE INDICATED ON AUDIOVISUAL DRAWINGS WHERE CRITICAL TO THE INSTALLATION OF THE AUDIOVISUAL DEVICES. WHERE INFORMATION AND REQUIREMENTS CONFLICT WITH SPECIFICATIONS AND DESIGNS DELINEATED ELSEWHERE, THE GENERAL CONTRACTOR SHALL IMMEDIATELY BRING SUCH CONFLICTS TO THE ATTENTION OF THE ARCHITECT.
7. ELITE MODULAR SHALL PROVIDE STRUCTURAL SUPPORT FOR MOUNTING OF PROJECTION SCREEN AT LOCATIONS DESIGNATED IN THESE DRAWINGS. THIS SHALL ALSO INCLUDE, BUT NOT BE LIMITED TO, BLOCKING FOR WALL MOUNTED DEVICES AND OVERHEAD SUPPORT FOR CEILING MOUNTED PROJECTORS AND PROJECTION SCREENS. REFER TO ARCHITECTURAL DRAWINGS FOR SUPPORT DETAILS AND REQUIREMENTS.
8. GENERAL CONTRACTOR SHALL PROVIDE PULL STRINGS WITH DESTINATION LABEL IN ALL CONDUIT SPECIFIED IN AUDIOVISUAL DRAWINGS.
9. GENERAL CONTRACTOR SHALL PROVIDE BLANK COVER PLATES AT ALL AUDIOVISUAL JUNCTION BOXES. VERIFY ALL DEVICE PLATE FINISHES WITH ARCHITECT.
10. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL AUDIOVISUAL JUNCTION BOXES AND DEVICES WITH ARCHITECT.
11. NO SINGLE BEND IN CONDUIT SHALL EXCEED 90°. NO SINGLE CONDUIT RUN SHALL HAVE MORE THAN 3 BENDS.
12. SOME JUNCTION BOXES AND ENCLOSURES SPECIFIED IN AUDIOVISUAL DRAWINGS MAY BE DEEPER THAN STANDARD WALL DEPTH. COORDINATE WITH ARCHITECT TO VERIFY INSTALLATION REQUIREMENTS AND DETAILING. AT A MINIMUM, OUTLET BOXES SHALL BE AT LEAST 3.5" DEEP.
13. WHERE MORE THAN ONE CONDUIT TERMINATES IN A JUNCTION BOX, ELITE MODULAR SHALL LABEL EACH CONDUIT IN A MANNER ALLOWING IDENTIFICATION OF CONDUITS AFTER WALL FINISHED ARE APPLIED.
14. ALL CONDUITS SPECIFIED SHALL BE EMT OR RIGID GALVANIZED TYPE. FLEXIBLE STEEL CONDUITS MAY BE USED IN RUNS OF 72" OR LESS. FLEXIBLE CONDUITS SHALL NOT BE ALLOWED WHERE ACCESS CANNOT BE PROVIDED TO THE FULL LENGTH OF THE CONDUIT RUN. PVC IS UNACCEPTABLE UNLESS OTHERWISE NOTED.

SECURITY LEGEND

OUTDOOR RATED WALL MOUNTED CAMERA. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX WITH 1" EMT CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE (U.O.N). ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHING, PULL STRING, OUTLET BOX, AND MUD RING. EACH CAMERA TO HAVE (1) CATEGORY 6A CABLE PROVIDED BY SECURITY CONTRACTOR.

180 OUTDOOR RATED 180 DEGREE CAMERA. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL (1) EMT CONDUIT TO CAMERA LOCATED AT POLE (U.O.N) ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT, CONNECTORS, COUPLINGS, PULLSTRING, AND MUDRING. EACH CAMERA TO HAVE (1) CATEGORY 6A CABLE COMING FROM MEDIA CONVERTER LOCATED AT BASE OF POLE PROVIDED BY SECURITY CONTRACTOR.

OUTDOOR RATED 360 DEGREE CAMERA. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL (1) 1" EMT CONDUIT TO CAMERA LOCATED AT POLE (U.O.N) ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT, CONNECTORS, COUPLINGS, PULLSTRING, AND MUDRING. EACH CAMERA TO HAVE (1) CATEGORY 6A CABLE COMING FROM MEDIA CONVERTER LOCATED AT BASE OF POLE PROVIDED BY SECURITY CONTRACTOR.

EP EMERGENCY PHONE. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) 1-1/4" CONDUIT TO EMERGENCY PHONE. PROVIDE AND INSTALL (1) 2-STRAND FIBER OPTIC WITH MEDIA CONVERTER TO LOCATION.

EMERGENCY PHONE WITH OVERHEAD 360 DEGREE CAMERA. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL (1) 1-1/4" CONDUIT TO LOCATION. PROVIDE AND INSTALL (1) 6-STRAND SINGLE MODE FIBER OPTIC WITH MEDIA CONVERTER TO EMERGENCY PHONE. CAMERA TO HAVE (1) CATEGORY 6A CABLE FROM MEDIA CONVERTER.

SECURITY GENERAL NOTES

1. ELITE MODULAR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, PULL STRING, ENCLOSURES, FLOOR BOXES, POWER RECEPTACLES AND POWER CONNECTIONS IDENTIFIED IN THESE DRAWINGS AND SPECIFICATIONS.
2. ALL CONDUIT RUNS SHALL BE CONTINUOUS FROM END TO END.
3. ALL CONDUIT CONNECTORS SHALL BE FURNISHED WITH NYLON BUSHINGS AND CHASE NIPPLES TO PREVENT DAMAGE TO CABLES FROM UNEVENLY CUT CONDUIT.
4. ALL JUNCTION BOXES IN WALLS AND CEILINGS SHALL BE FLUSH-MOUNTED, AND CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
5. CAULK OR SEAL PENETRATIONS THAT ARE MADE THROUGH ACOUSTIC WALLS WITH ACOUSTICAL SEALANT.

SECURITY RESPONSIBILITY MATRIX

TASK	PARTY
SECURITY CONDUIT, BACKBOXES, SLEEVES	EC
SECURITY CONDUIT ID LABELING AND PULLSTRINGS	EC
POWER TO ACS SECURITY EQUIPMENT	EC
SECURITY EQUIPMENT (CAMERAS, ACS DEVICE, HEADEND EQUIPMENT)	SC
SECURITY CABLING AND TERMINATION	SC
PROVIDE, INSTALL, TERMINATE SECURITY CATEGORY CABLING, FIBER CABLING, AND MEDIA CONVERTERS	CC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A OR AMP	AMPERES
ACCU	AIR COOLED CONDENSING UNIT
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ARCH.	ARCHITECT; ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
BDF	BUILDING DISTRIBUTION FRAME
C	CONDUIT
CKT	CIRCUIT
CLG.	CEILING
C.O.	CONDUIT ONLY WITH PULL WIRE
CU	COPPER
DWG	DRAWING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
EQUIP	EQUIPMENT
EXIST / (E)	EXISTING
E/W	EQUIPPED WITH
FCU	FAN COIL UNIT
FIN.	FINISH
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FIBER OPTIC CABLE
FT	FEET
FTU	FIBER TERMINAL UNIT
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
GND	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
IDS	INTRUSION DETECTION SYSTEM
JB	JUNCTION BOX
LTG.	LIGHTING
MDF	MAIN DISTRIBUTION FRAME
MH	MOUNTING HEIGHT
MM	MULTIMODE
MTG.	MOUNTING
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO.	NUMBER
PH	PHASE
PNL	PANEL
PWR	POWER
PRO	PROTECTED TERMINAL
POE	POWER OVER ETHERNET
REC/RECEPT	RECEPTACLE
REQ'D	REQUIRED
RM	ROOM
SF	SQUARE FEET
SHT	SHEET
SM	SINGLE MODE
SMJ	SURFACE MOUNTED J-BOX
SP	SINGLE POLE
SPECS	SPECIFICATIONS
SW	SWITCH
TYP	TYPICAL
TERM	TERMINATION
UG	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
V-A	VOLT-AMPERES
W	WATTS
W/	WITH
W/O	WITHOUT
WAP	WIRELESS ACCESS POINT
GC	GENERAL CONTRACTOR
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED

SHEET INDEX

SHEET	DESCRIPTION
T1.00	GENERAL NOTES, LEGEND AND ABBREVIATIONS
T1.01	OVERALL SITE PLAN
T4.01	SINGLE LINE DIAGRAM
T4.02	SINGLE LINE DIAGRAM
T5.01	DETAILS
T5.02	DETAILS
TAV4.01	AUDIOVISUAL SYSTEM DIAGRAM PAGING SYSTEM

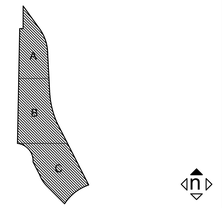
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

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Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

General Notes, Legend And Abbreviations

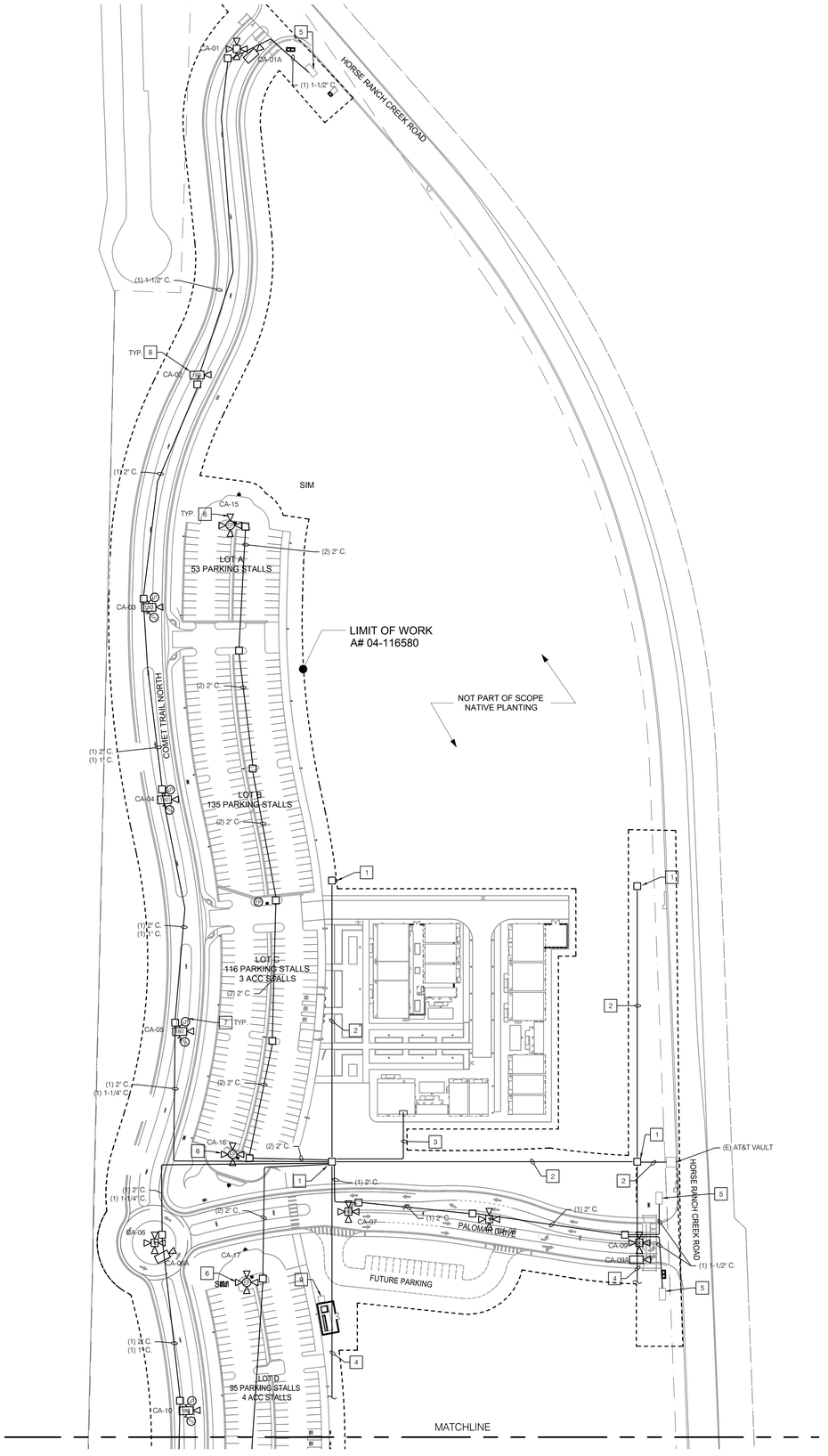
Architect's Seal

REGISTERED ARCHITECT JOSEPH E. CLARK NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	JQ	Project No.	5015019-102
Drawn:	JQ	Scale:	No Scale
QAQC	ER	Drawing No.	T1.00
Date:	10/06/2017		

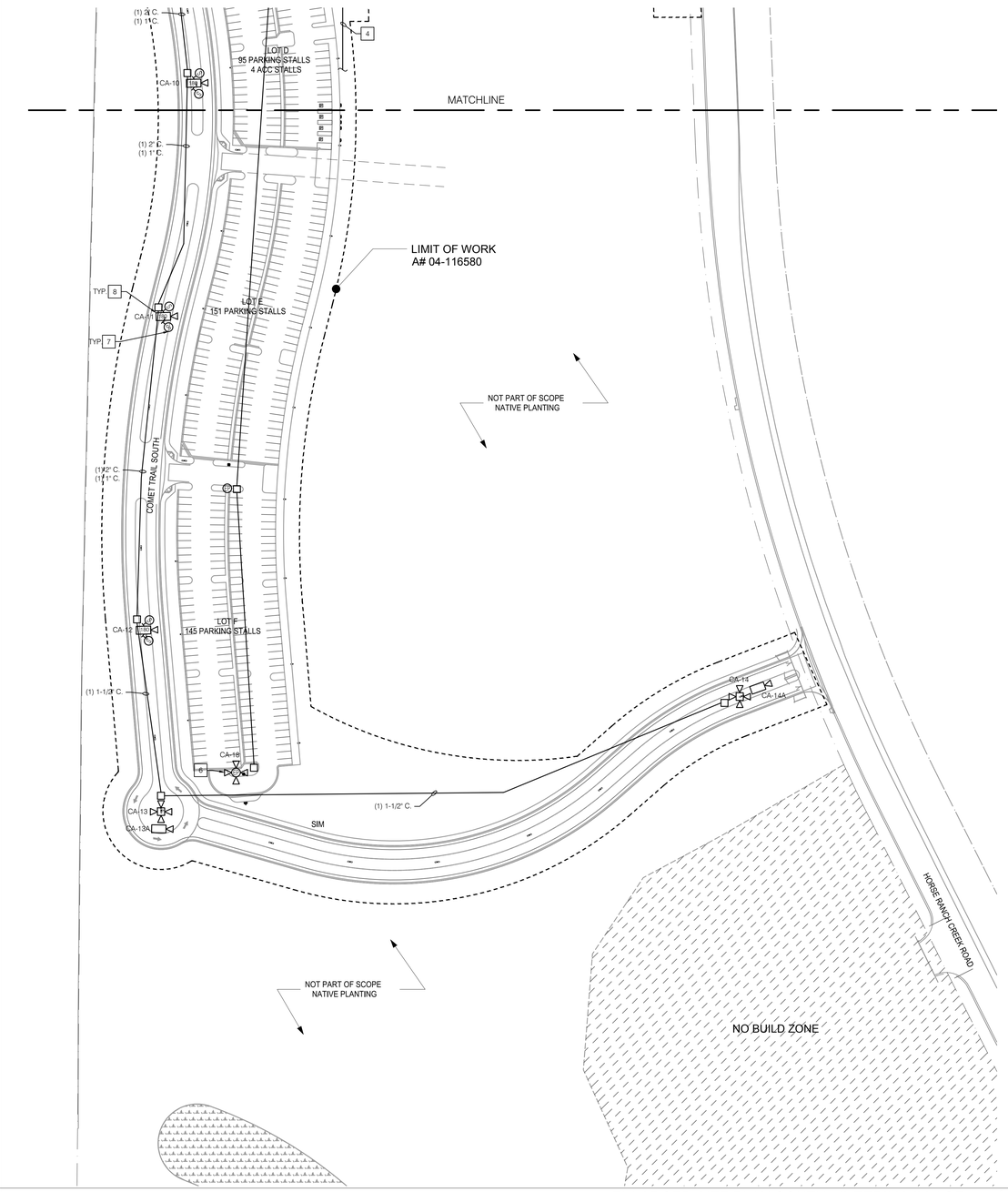
PLEASE RECYCLE

DSA SUBMITTAL



ENLARGED SITE PLAN NORTH- INTERIM VILLAGE 2

1" = 70'-0"



ENLARGED SITE PLAN SOUTH - INTERIM VILLAGE 1

1" = 70'-0"

KEYNOTES

NO.	Note - Detail
1	PROVIDE AND INSTALL 4' X 6'-6" X 6'-6" TELECOM VAULT.
2	PROVIDE AND INSTALL (6) 4" CONDUIT.
3	PROVIDE AND INSTALL (6) 2" CONDUIT.
4	PROVIDE AND INSTALL (6) 4" CONDUIT. STUB CONDUIT AT THE END.
5	COMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL (1) 6-STRAND SINGLE MODE FIBER OPTIC WITH MEDIA CONVERTER FOR DIGITAL SIGNAGE FROM MDF.
6	COMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL (1) 6-STRAND SINGLE MODE FIBER OPTIC TO EMERGENCY PHONE FROM MDF. TYPICAL
7	POLE MOUNTED SPEAKERS. REFER TO TAV4.01 FOR CABLING AND 2/TS.02 FOR MOUNTING. CABLING TO RUN IN ITS OWN DEDICATED CONDUIT. TYPICAL
8	PROVIDE AND INSTALL (1) 6 STRAND SINGLE MODE FIBER FROM MDF TO ALL CAMERA LOCATIONS. TYPICAL.
9	COMMUNICATIONS CONTRACTOR TO PROVIDE AND INSTALL (1) 6-STRAND SINGLE MODE FIBER OPTIC WITH MEDIA CONVERTER FOR IRRIGATION CONTROL. COORDINATE LOCATION WITH IRRIGATION AND ELECTRICAL CONTRACTOR.

NOTES

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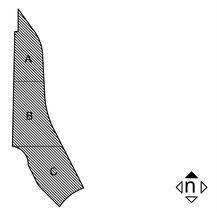
Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
Overall Site Plan

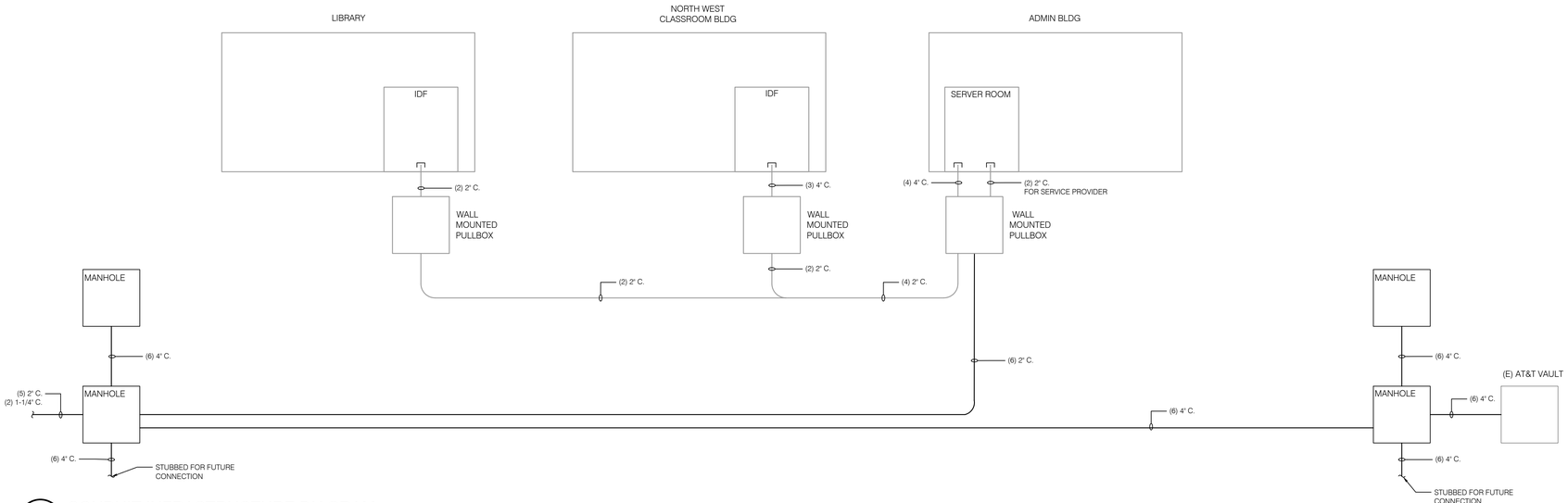
Architect's Seal

LICENSED ARCHITECT
EDWARD R. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	1" = 100'
QAQC	ER	Drawing No.	T1.01
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL



1 CONDUIT INFRASTRUCTURE DIAGRAM
NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

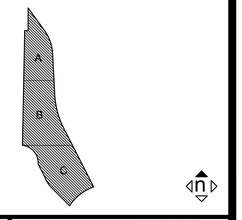
KEYNOTES

NO.	Note - Detail

NOTES

1. IDF ROOMS AND WALL MOUNTED PULLBOX SHOWN FOR REFERENCE AND ARE PART OF PHASE III.

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
Single Line Diagram

Architect's Seal
LICENSED ARCHITECT JAMES E. FLANNERY C-32437 REN. 02-28-19 STATE OF CALIFORNIA

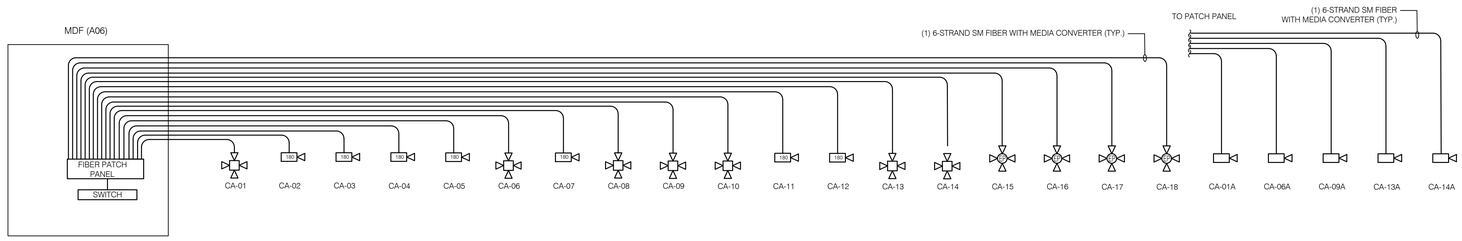
Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T4.01
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

CAMERA SCHEDULE

CAMERA #	REF. SHEET #	PART #	RESOLUTION	MOUNT/HOUSING (POLE/EMERGENCY PHONE)	FOV	FPS	MOUNT HEIGHT (FT)	Power	NOTES
CA-01	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-01A	T1.01	Inex IZA500	1.2mp/2mp	P	Target	N/A	14' AG	24VDC	License Plate Reader
CA-02	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-03	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-04	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-05	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-06	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-06A	T1.01	Inex IZA500	1.2mp/2mp	P	Target	N/A	14' AG	24VDC	License Plate Reader
CA-07	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-08	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-09	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-09A	T1.01	Inex IZA500	1.2mp/2mp	P	Target	N/A	14' AG	24VDC	License Plate Reader
CA-10	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-11	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-12	T1.01	Panasonic WV-SF481	4K	P	180 Deg.	12 FPS	16' AG	POE	
CA-13	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-13A	T1.01	Inex IZA500	1.2mp/2mp	P	Target	N/A	14' AG	24VDC	License Plate Reader
CA-14	T1.01	Panasonic WV-SF481	4K	P	360 Deg.	12 FPS	16' AG	POE	
CA-14A	T1.01	Inex IZA500	1.2mp/2mp	P	Target	N/A	14' AG	24VDC	License Plate Reader
CA-15	T1.01	Panasonic WV-SF481	4K	EP	360 Deg.	12 FPS	16' AG	POE	
CA-16	T1.01	Panasonic WV-SF481	4K	EP	360 Deg.	12 FPS	16' AG	POE	
CA-17	T1.01	Panasonic WV-SF481	4K	EP	360 Deg.	12 FPS	16' AG	POE	
CA-18	T1.01	Panasonic WV-SF481	4K	EP	360 Deg.	12 FPS	16' AG	POE	



1 CAMERA SYSTEM SINGLE LINE DIAGRAM
NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

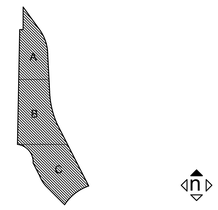
KEYNOTES

NO.	Note - Detail

NOTES

1. MDF ROOM A06 IS SHOWN FOR REFERENCE ONLY. IT IS PART OF PHASE III.

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS. FLS SSS
DATE

Project Title
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

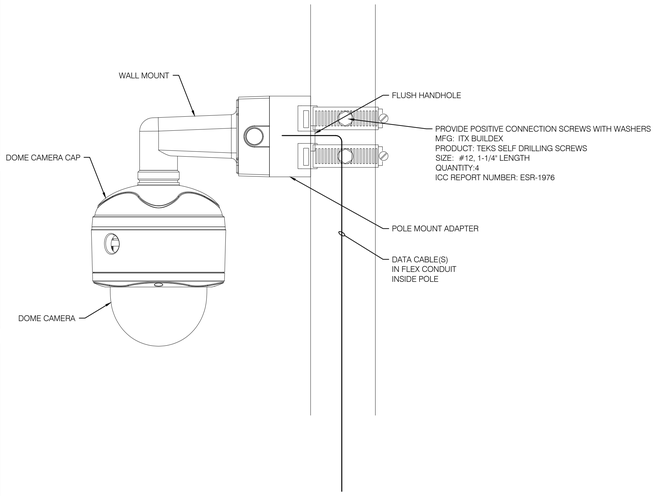
Drawing Title:
Single Line Diagram

Architect's Seal
LICENSED ARCHITECT
JEFFREY E. CLAUSEN
LIC. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T4.02
Date:	10/06/2017		

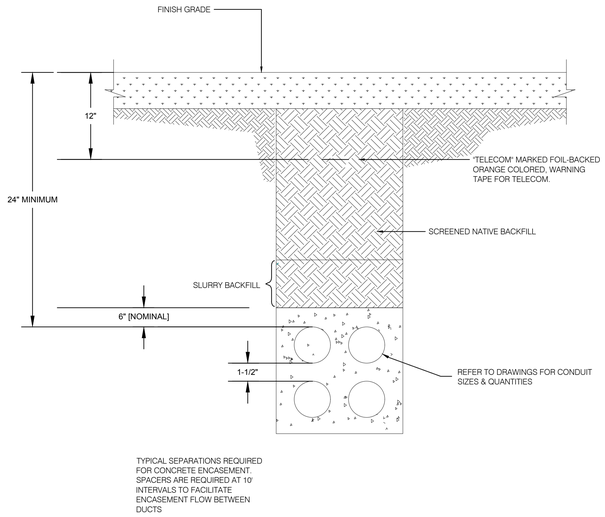
PLEASE RECYCLE

DSA SUBMITTAL



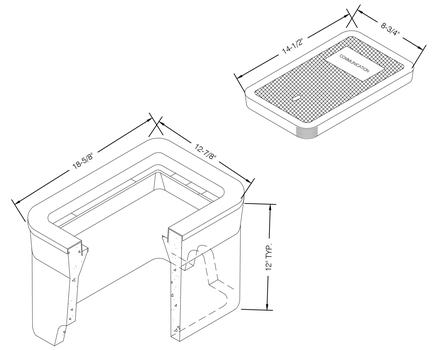
6 DOME TYPE CAMERA - POLE MOUNT

NO SCALE



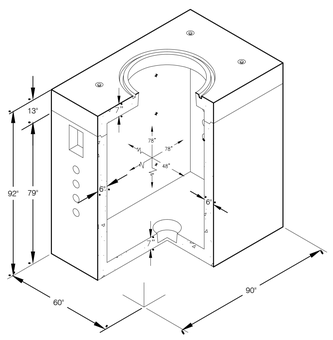
4 TELECOM TRENCH

NO SCALE



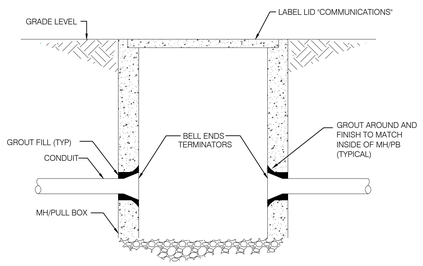
2 TYPICAL 8" x 14" x12" BOX

NO SCALE



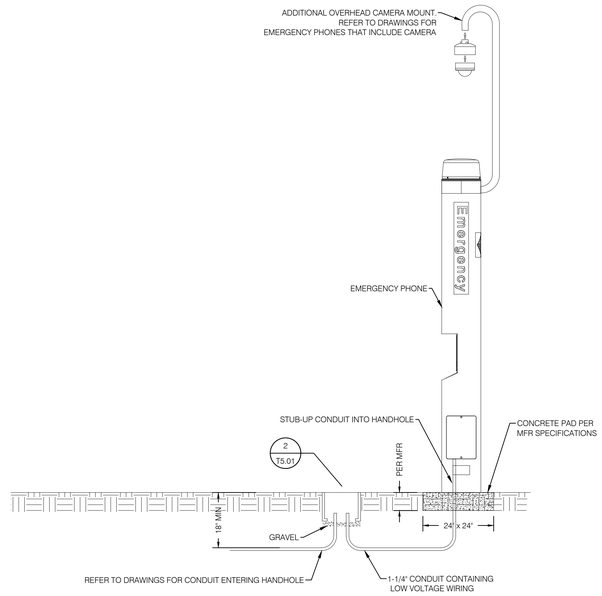
5 TELECOM MANHOLE

NO SCALE



3 TYPICAL (E) MH/PULL BOX CONDUIT TERMINATIONS

NO SCALE



1 EMERGENCY PHONE CONDUIT PATH

NO SCALE

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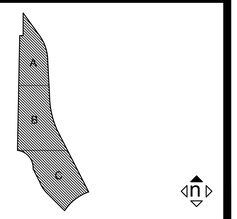
KEYNOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
Details

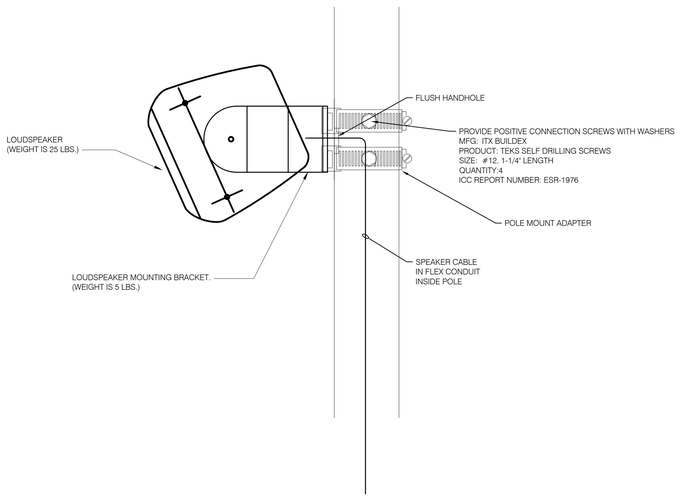
Architect's Seal

REGISTERED ARCHITECT — STACEY E. CLARK — Lic. NO. C-32437 — EXP. REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	ER	Scale:	Not To Scale
QAQC	JQ	Drawing No.	T5.01
Date:	10/06/2017		

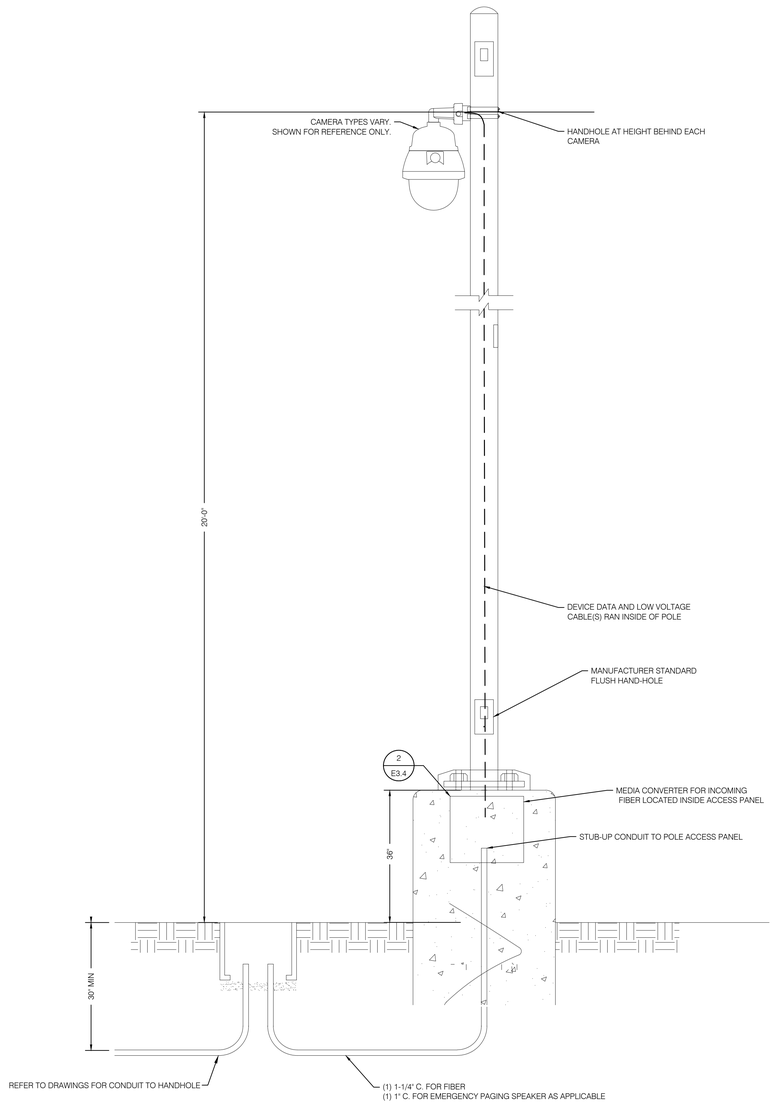
PLEASE RECYCLE

DSA SUBMITTAL



2 SPEAKER, POLE MOUNTED

NO SCALE



1 POLE MOUNTED CAMERA CONDUIT

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
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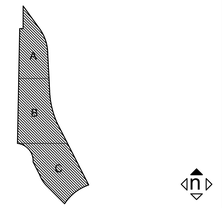
KEYNOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

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Learning for Success

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Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:
Details

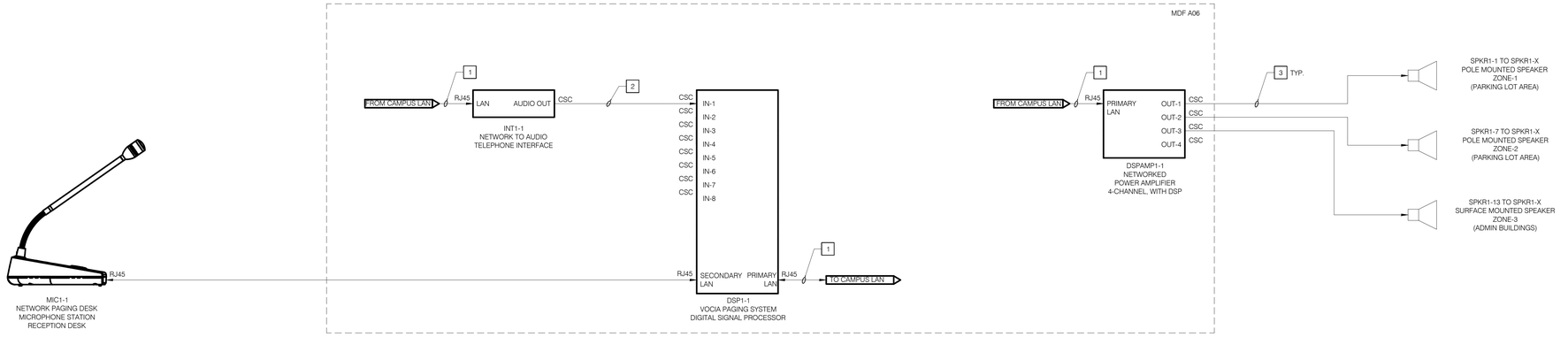
Architect's Seal

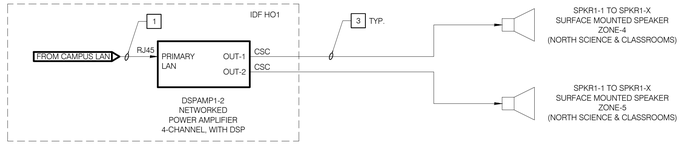
LICENSED ARCHITECT
ERIC S. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

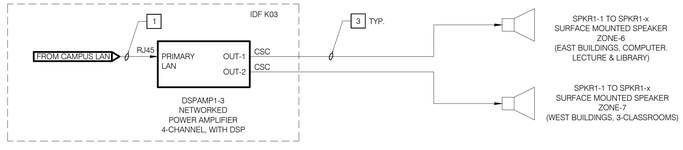
Designed:	ER	Project No.	5015019-102
Drawn:	ER	Scale:	Not To Scale
QAQC	JQ	Drawing No.	T5.02
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL







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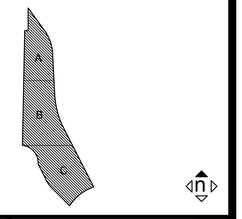
SM

KEYNOTES

NO.	Note - Detail
1	CABLE, CAT-6A.
2	CABLE, AUDIO, 2-22, 22-GAUGE, SHIELDED TWISTED PAIR, PLENUM RATED.
3	CABLE, SPEAKER, 16 AWG, PAIR, NON SHIELDED OSP

NOTES

Key Plan



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DATE _____

Project Title

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Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

AUDIOVISUAL SYSTEM DIAGRAM
PAGING SYSTEM

Architect's Seal

Designed:	ST	Project No.	5015019-102
Drawn:	ST	Scale:	N.T.S.
QAQC	ER	Drawing No.	TAV4.01
Date:	10/06/2017		

AUDIOVISUAL SYSTEM DIAGRAM, PAGING SYSTEM 1

N.T.S.

PLEASE RECYCLE

DSA SUBMITTAL