

ALTA MURRIETA ELEMENTARY SCHOOL

PARKING EXPANSION

MURRIETA VALLEY UNIFIED SCHOOL
DISTRICT

39475 WHITEWOOD ROAD, MURRIETA, CA 92562

CONSTRUCTION DOCUMENTS

4/1/2017

BakerNowicki
design studio

731 Ninth Avenue, Suite A
San Diego, California 92101
619.795.2450

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

GRADING GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.
3. DIRT SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS...
4. NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNLESS THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL...
5. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL...
6. FILLS SHALL BE COMPACTED THROUGHOUT TO 95% OF THE MAXIMUM DENSITY...
7. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED...
8. ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER...
9. THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, BACKFILLED, AND APPROVED...
10. SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED IRRIGATION SYSTEM...
11. THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER...
12. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER...
13. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING...
14. WHEN CUT PAIDS ARE BROUGHT TO NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACTURED...
15. THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED...
16. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
17. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION...
19. ANY WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS...
20. ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE...
21. EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE LOCAL AGENCY...
22. PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER...
23. ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED WITHIN PUBLIC RIGHT-OF-WAY...
24. DIRT ACCESS RAMP OVER CURB AND GUTTER TO CONSTRUCTION SITE...
25. PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS...
26. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL...
27. RULE 401, AIR QUALITY CONTROL, MANAGEMENT DISTRICT...
28. CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY...
29. CONSTRUCTION PARKING SHALL BE ON-SITE...
30. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES...
31. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING...
32. THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED...
33. TRUCKS USED IN Hauling DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL AND THE TOP OF THE TRAILER...

DEMOLITION GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND...
2. EXISTING WATER LATERALS AND IRRIGATION LINES SHALL BE CUT AND CAPPED AT THE 2' LIMIT OF THE DEMO AREA...
3. EXISTING SEWER LATERALS SHALL BE CUT AND PLUGGED AT THE LIMIT OF THE DEMO AREA...
4. EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY REROUTED...
5. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS...
6. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE...
7. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES...
8. THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGE CAUSED BY HIS OPERATIONS...
9. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS...
10. THE CONTRACTOR SHALL ABANDON EXISTING WELLS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS...
11. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED ON THE PROPOSED IMPROVEMENTS SHOWN IN THIS SET OF PLANS.

UTILITY GENERAL NOTES

- 1. ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC...
2. WATER MAIN AND SEWER MAIN CROSSINGS SHALL COMPLY WITH STATE AND COUNTY HEALTH DEPARTMENT REGULATIONS...
3. MINIMUM WATER LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 36" OF COVER...
4. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL...
5. WATER SERVICE CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.
6. MINIMUM BEARING AREA FOR THRUST BLOCKS SHALL BE ACCORDING TO THE THRUST BLOCK SCHEDULE SHOWN ON THESE PLANS.
7. A PIPE "DEFLECTOR" OR "ROUNDNER" SHALL NOT BE USED TO ROUND OVERDEFLECTED PIPES.
8. ALL VALVE AND CLEAN OUT COVERS TO HAVE TRAFFIC RATED WANDAL PROOF COVERS AND MAINTAINED BY CONTRACTOR...
9. ALL UNDERGROUND FERROUS METALS ARE TO BE PROTECTED FROM CORROSION...
10. BARE STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAL TAR OR RUBBER-BASED MASTIC...
11. CONTRACTOR SHALL EXPOSE ALL EXISTING WATER AND SEWER PIPELINES AT PROPOSED CONNECTION POINTS...
12. ALL UNDERGROUND PIPELINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES...
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES...
14. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS...
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES...
16. CONTRACTOR SHALL OBTAIN ANY REQUIRED O.S.H.A. PERMITS PRIOR TO ANY EXCAVATIONS.
17. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK...
18. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE...
19. ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADES BETWEEN INVERT ELEVATIONS INDICATED...
20. ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY USE OF THE MANUFACTURER FITTINGS...
21. ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 308-2.1.1 OF THE STANDARD SPECIFICATIONS...
22. THE CONTRACTOR SHALL PERFORM TESTING, FLUSHING AND DISINFECTING OF SYSTEMS...
23. THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF "AS-BUILT" DRAWINGS...
24. ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE...
25. NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH...
26. DRAWING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE...
27. CLEANSOUTS FOR SEWER AND STORM DRAIN UTILITIES SHALL BE INSTALLED PER THE UPC, LATEST EDITION...

ACCESSIBILITY NOTES

- 1. ALL SLOPES IN THE DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED BELOW THE MAXIMUM ALLOWED GRADES...
2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY...
3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR...
4. COMPLIANCE WITH THE CONSTRUCTION REQUIREMENTS FOR ACCESSIBILITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR...
5. THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS PLANS FOR THE EXACT LOCATION.

ASPHALT PAVING GENERAL NOTES

- 1. A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING...
2. THE AGGREGATE BASE SECTION SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY...
3. A "TACK COAT" (PRIME BINDER) SHALL BE APPLIED BETWEEN PAVEMENT LAYERS...
4. THE ASPHALT CONCRETE FOR PARKING LOTS SHALL BE CLASS C2 AS SPECIFIED IN SECTION 203-6...
5. ASPHALT CONCRETE PAVEMENT SHALL BE DISTRIBUTED AND SPREAD IN ACCORDANCE WITH SECTION 202-5.5...
6. A QUALIFIED PAVING INSPECTOR IS REQUIRED DURING PAVING OPERATIONS...
7. ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.

PRIVATE ENGINEERS NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT THE REQUIREMENT OF A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED... CONTRACTOR SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT... THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS...

GRADING CONSTRUCTION NOTES

- 1. CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE...
2. CONSTRUCT 0" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1.
3. CONSTRUCT TYPE "A"-6" CURB PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1.
4. CONSTRUCT TYPE "D" CURB (CASE A) PER CITY OF MURRIETA STD. NO. 305 ON SHEET C6.1.
5. CONSTRUCT 0"-6" PCC (560-C-3250) CURB END PER DETAIL "D" ON SHEET C6.1.
6. CONSTRUCT 4" AC OVER 12" CRUSHED AGGREGATE BASE...
7. CONSTRUCT 1.5" WIDENED PCC (560-C-3250) CURB PER DETAIL "H" ON SHEET C6.1.
8. FURNISH AND INSTALL PRECAST PCC WHEEL STOP PER DETAIL "B" ON SHEET C6.1.
9. FURNISH AND INSTALL DRAIN PER COMPOSITE UTILITY PLANS ON SHEET C4.1.
10. SAWCUT, REMOVE AND DISPOSE OF EXISTING SURFACE...
11. PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS...
12. PROTECT IN PLACE.
13. CONSTRUCT PCC CURB TRANSITION PER CITY OF MURRIETA STD. NO. 316...
14. CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1.
15. FURNISH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

UTILITY CONSTRUCTION NOTES

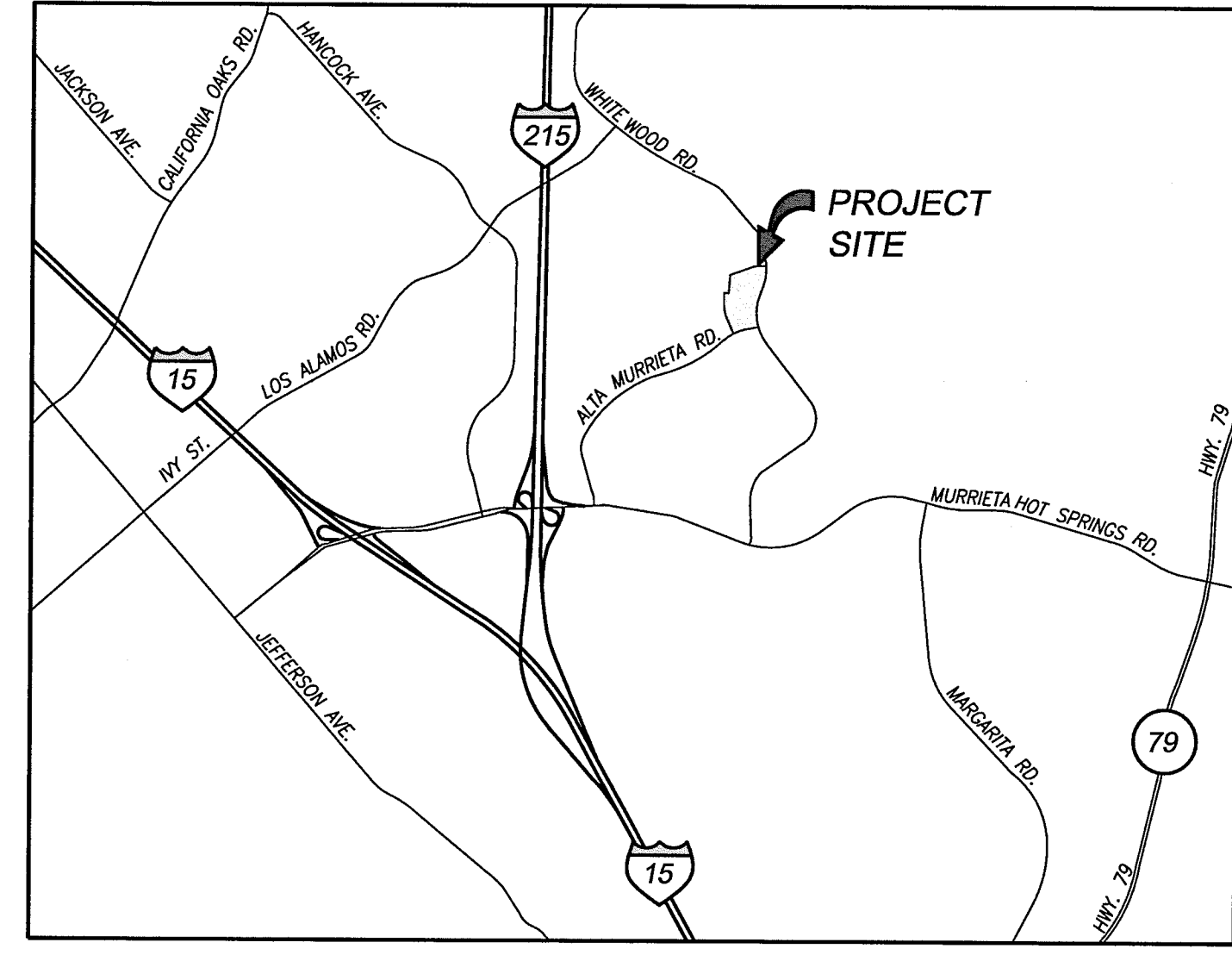
- STORM DRAIN
16. FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE.
17. FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE.
18. FURNISH & INSTALL 8" SDR 35 PVC STORM DRAIN PIPE.
19. FURNISH & INSTALL 12" BROOKS PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.
20. FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "D" ON SHEET C6.1.
21. FURNISH & INSTALL 12" JUBI DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL ON SHEET C6.1.
22. PROTECT IN PLACE.

SHEET INDEX

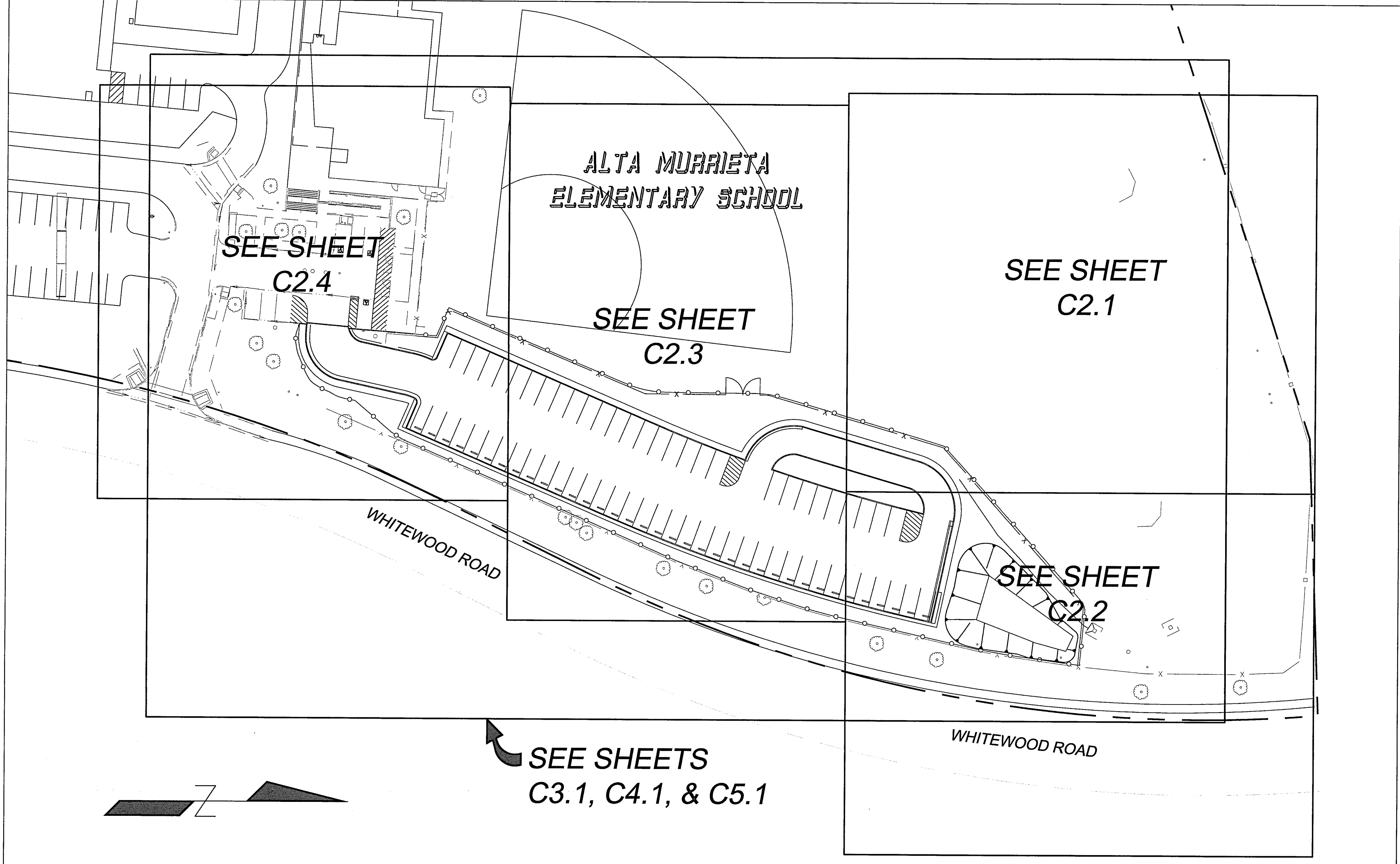
Table with 3 columns: SHEET No., DESCRIPTION, No.
C1.1 TITLE SHEET 1
C2.1 TOPOGRAPHIC MAP 2
C2.2 TOPOGRAPHIC MAP 3
C2.3 TOPOGRAPHIC MAP 4
C2.4 TOPOGRAPHIC MAP 5
C3.1 PRECISE GRADING 6
C4.1 COMPOSITE UTILITIES 7
C5.1 HORIZONTAL CONTROL 8
C6.1 DETAILS 9

LEGEND:

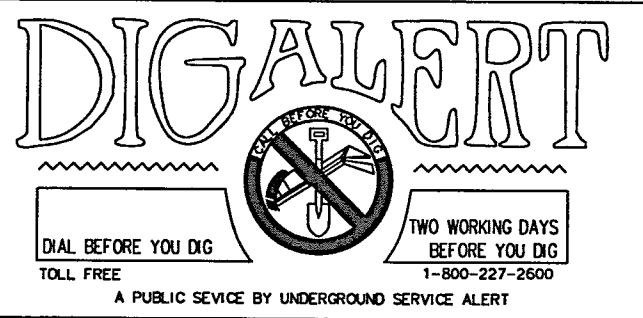
Legend symbols and descriptions: AC ASPHALT TO CONCRETE, ADA AMERICAN DISABILITIES ACT, BFD BACK FLOW DEVICE, CLF CHAIN LINK FENCE, CO CLEAN OUT, CONG CONCRETE, DCHA DOUBLE CHECK DETECTOR ASSEMBLY, ELEC ELECTRIC, EDC EDGE OF CONCRETE, EDP EDGE OF PAVEMENT, EP EXISTING UTILITY VAULT, FF FINISHED FLOOR, FH FIRE HYDRANT, FL FINISHING, FLD FIRE DEPARTMENT CONNECTION, FS FINISHED SURFACE, HP HIGH POINT, IE INVERT (SEWER), IW INVERT (SD), P/A PLASTER AREA, PV POST INDICATOR VALVE, PP POWER POLE, SW SIDEWALK, TB TOP OF BERM, TC TOP OF CURB, TF TOP OF FOOTING, TG TOP OF GRIFF, TP TOP OF PAVEMENT, TW TOP OF WALL, UTL UTILITY, WM WATER METER, WV WATER VALVE, EXISTING MANHOLE, PROPOSED MANHOLE, EXISTING SIGN, EXISTING TREE, EXISTING FIRE HYDRANT, PROPOSED FIRE HYDRANT, PROPOSED CATCH BASIN, PROPOSED CLEANOUT, PROPOSED WATER VALVE, PROPOSED WATER SERVICE ASSEMBLY, EXISTING STREET LIGHT, EXISTING UTILITY VAULT, EDGE OF PAVEMENT, GRADED SHALE, EDGE OF CONCRETE, PROPOSED MAJOR CONTOUR, PROPOSED MINOR CONTOUR, GRADING LIMITS, EXISTING STORM DRAIN LINE, EXISTING STORM DRAIN LINE, TOP OF CURB, TOP OF FOOTING, PROPOSED FENCE, PROPOSED CHAINLINK FENCE, PROPERTY LINE, PUBLIC UTILITY EASEMENT, PROPOSED TOP OF CURB, PROPOSED BACK OF CURB, EXISTING PCC, PROPOSED PCC, PROPOSED ASPHALTIC PAVEMENT, PROPOSED MEDIA SOIL.



VICINITY MAP NOT TO SCALE



INDEX MAP SCALE: 1" = 40'



EPIC ENGINEERS logo and address: 101 E REDLANDS BOULEVARD, SUITE 140, REDLANDS, CA 92373. Phone: 909-792-5069, Fax: 909-792-8869.

Professional Engineer Seal for David M. M... and Identification Stamp: DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES, APPL# 04-115979, DATE: APR 12 2017.

TITLE SHEET

Table with 4 columns: NO., DATE, ISSUE, PROJECT NO. Values: NO. 16041-00, DATE 4/11/2017, PROJECT NO. 16041-00.

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

TOPOGRAPHIC LEGEND:

AC ASPHALT	SCD SEWER CLEANOUT
ADA AMERICAN DISABILITIES ACT	TC TOP OF CURB
BLD BUILDING	TIP TOP OF PAVEMENT
BSC BLIND STRIPE GROOVE	PE POST EQUIPMENT
BSW BACK OF SIDEWALK	TW TOP OF WALL
CR CROWN	UB UTILITY BOX
CD CLEANOUT	US UTILITY SLAB
COMM COMMUNICATION	UTL UTILITY
CLF CHAIN LINK FENCE	UV UTILITY VAULT
CLB CURB FLOWLINE	VLT VAULT
COR CORNER	WC WALL CORNER
CP AX CONTROL POINT MARKER X	WF WATER FOUNTAIN
CW CORNER OF WALL	WFI WROUGHT IRON FENCE
DI DOWN INLET	WM WATER METER
EOB EDGE OF BRICK	WV WATER VALVE
EOC EDGE OF CONCRETE	WY FIRE HYDRANT
ELEC VLT ELECTRIC VAULT	SGN SIGN
EP EDGE OF PAVEMENT	TREE
FCE FENCE MOW STRIP	
FF FINISHED FLOOR	
FH FIRE HYDRANT	
FL FLOWLINE	
PV POST INDICATOR VALVE	
PS PARKING STRIPE	
FSC FINISH SURFACE CONCRETE	
FLS FINISH SURFACE CONCRETE	
GL GUTTER LINE	
RG RIBBON GUTTER	
ICV IRRIGATION CONTROL VALVE	
INV INVERT	
LP LIGHT POLE	
MH MANHOLE	
MN MACNAIL	
NG NATURAL GROUND	

GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/02/16 BY EPIC ENGINEERS.

BENCHMARK:

BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'

BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81

HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.

VERTICAL DATUM: NAVD29

BASIS OF BEARINGS:

BENCHMARK VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81
BASIS OF BEARINGS: BASIS OF BEARINGS IS S 62°23'30" E USING CONTROL POINTS 1 & 2

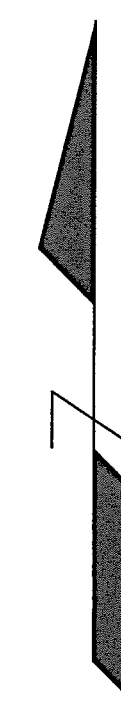
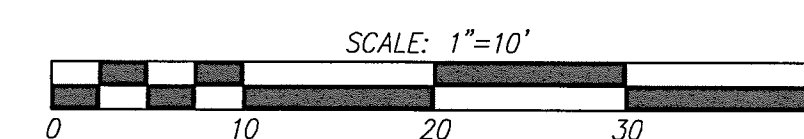
HORIZONTAL CONTROL TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
2	2151113.55	6282084.74	SET MN CP IN FSC JOINT
3	2151238.06	6282178.49	FD MN AND WASHER LS 5411
6	2150921.56	6282120.83	FD GEAR SPIKE AND WASHER LS 5411
7	2154451.80	6281204.60	FD BM T-54-81 BRC

MATCHLINE - SEE SHEET C2.2

EXISTING ALTA MURRIETA
ELEMENTARY SCHOOL SITE

MATCHLINE - SEE SHEET C2.3



EPIC ENGINEERS
CIVIL ENGINEERING LAND SURVEYING
PLANNING STORMWATER MANAGEMENT
101 E. REDLANDS BOULEVARD
SUITE 148 TEL: 909-792-5969
REDLANDS, CA 92373 FAX: 909-792-8869

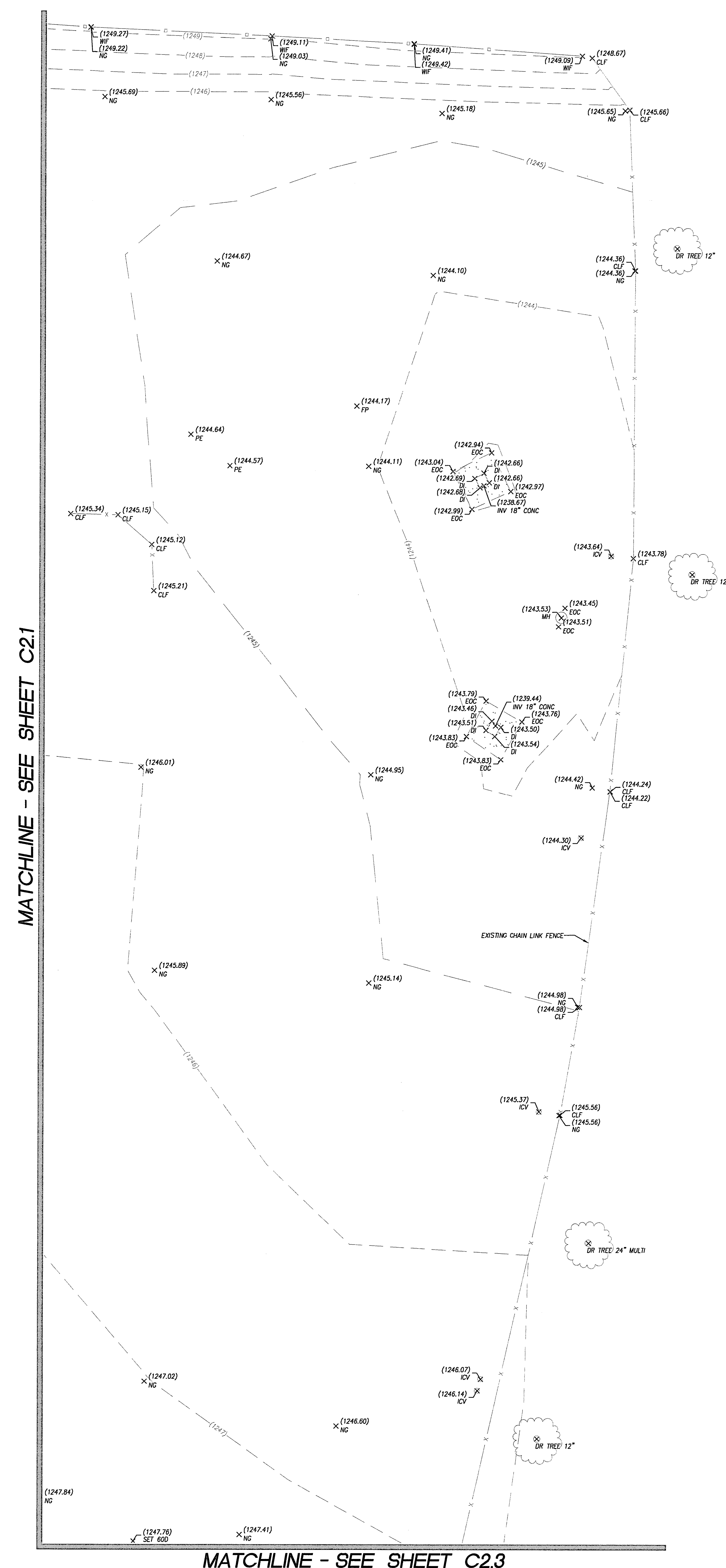
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04-115979
AC / FLS / SS /
DATE: APR 12 2017

TOPOGRAPHIC MAP

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/12/2017

DRAWING
C2.1

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION



TOPOGRAPHIC LEGEND:

AC ASPHALT	SCD SEWER CLEANOUT
ADA AMERICAN DISABILITIES ACT	TC TOP OF CURB
BLD BUILDING	TP TOP OF PAVEMENT
BSS BLIND STRIPE GROOVE	PE POST EQUIPMENT
BSW BACK OF SIDEWALK	TW TOP OF WALL
CR CROWN	UB UTILITY BOX
CL CLEANOUT	US UTILITY SLAB
COM COMMUNICATION	UTE UTILITY
CLF CHAIN LINK FENCE	UV UTILITY VAULT
CLF CURB FLOWLINE	VALT VAULT
CRP CORNER	WC WALL CORNER
CP MK CONTROL POINT MARKER X	WF WATER FOUNTAIN
CW CORNER OF WALL	WF WROUGHT IRON FENCE
DI DRAIN INLET	WM WATER METER
EDB EDGE OF BRICK	WV WATER VALVE
ECC EDGE OF CONCRETE	WH WATER HYDRANT
ELEC VLT ELECTRIC VAULT	SIGN SIGN
EP EDGE OF PAVEMENT	TREE TREE
FCE FENCE MOW STRIP	---
FF FINISHED FLOOR	---
FH FIRE HYDRANT	---
FL FLOWLINE	---
PV POST INDICATOR VALVE	---
PS PARKING STRIPE	---
FSC FINISH SURFACE CONCRETE	---
FSXC RAMP LANDING	---
GL GUTTER LINE	---
RC RIBBON GUTTER	---
ICV IRRIGATION CONTROL VALVE	---
INV INVERT	---
LP LIGHT POLE	---
MH MANHOLE	---
MN MACNAL	---
NG NATURAL GROUND	---

GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/05/16 BY EPIC ENGINEERS.

BENCHMARK:

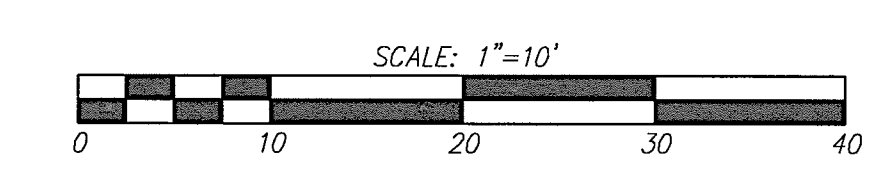
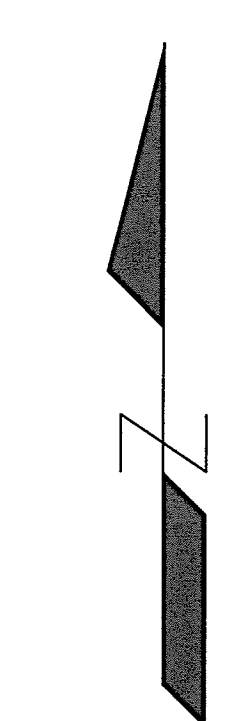
BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'
BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81
HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.
VERTICAL DATUM: NAVD83

BASIS OF BEARINGS:

BENCHMARK: VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81
BASIS OF BEARINGS: BASIS OF BEARINGS IS S 67°23'26" E USING CONTROL POINTS 1 & 2

HORIZONTAL CONTROL TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
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EPIC ENGINEERS
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FAX 909-752-8899



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04-115979
AC / FLS / SS /
DATE: APR 12 2017

TOPOGRAPHIC MAP

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

DRAWING
C2.2

April 07, 2017 at 4:07pm C:\Temp\AcPublish\1626A\04_09-C2-01_00.dwg by sebastian on SYSTEMS3

GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/05/16 BY EPIC ENGINEERS.

BENCHMARK:

BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'

BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81

HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.

BASIS OF BEARINGS:

BENCHMARK: VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81

BASIS OF BEARINGS: BASIS OF BEARINGS IS S 62°23'28" E USING CONTROL POINTS 1 & 2

TOPOGRAPHIC LEGEND:

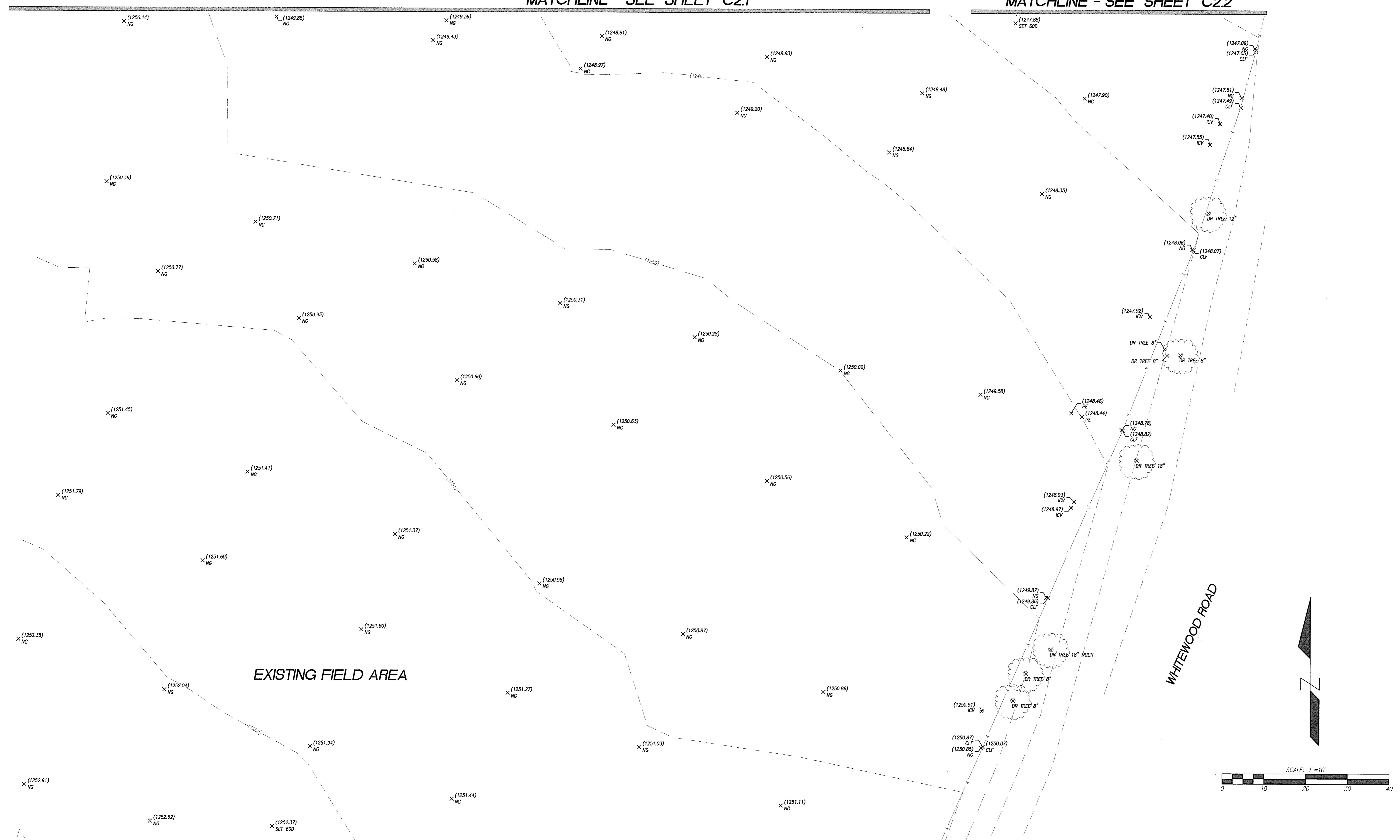
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|----------|---------------------------|-----|----------------------------|
| AC | ASPHALT | SCD | SEWER CLEANOUT |
| ADA | AMERICAN DISABILITIES ACT | TC | TOP OF CURB |
| BLD | BUILDING | TP | TOP OF PAVEMENT |
| BSD | BLIND STRIPE GROOVE | PE | POST EQUIPMENT |
| BSW | BACK OF SIDEWALK | TW | TOP OF WALL |
| CR | CROWN | UB | UTILITY BOX |
| CD | CLEANOUT | US | UTILITY SLAB |
| COMM | COMMUNICATION | UTL | UTILITY |
| CLF | CHAIN LINK FENCE | UV | UTILITY VAULT |
| OFL | CURB FLOWLINE | VLT | VAULT |
| CCR | CORNER | WC | WALL CORNER |
| CP MX | CONTROL POINT MARKER X | WF | WATER FOUNTAIN |
| CW | CORNER OF WALL | WIF | WROUGHT IRON FENCE |
| DI | DRAIN INLET | WM | WATER METER |
| EOB | EDGE OF BRICK | WV | WATER VALVE |
| EOC | EDGE OF CONCRETE | | FIRE HYDRANT |
| ELEC VLT | ELECTRIC VAULT | | SIGN |
| EP | EDGE OF PAVEMENT | | TREE |
| FCE | FENCE MOW STRIP | | CURB & GUTTER |
| FF | FINISHED FLOOR | | WALL |
| FH | FIRE HYDRANT | | STEEL TUBE FENCE |
| FL | FLOWLINE | | CHAIN LINK FENCE |
| PV | POST INDICATOR VALVE | | EDGE OF PAVEMENT |
| PS | PARKING STRIPE | | INDICATES EXISTING CONTOUR |
| FSC | FINISH SURFACE CONCRETE | | INDICATES EXISTING ASPHALT |
| FSXC | RAMP LANDING | | INDICATES EXISTING PCC |
| GL | GUTTER LINE | | |
| RG | RIBBON GUTTER | | |
| ICV | IRRIGATION CONTROL VALVE | | |
| INV | INVERT | | |
| LP | LIGHT POLE | | |
| MH | MANHOLE | | |
| MN | MACHAIL | | |
| NG | NATURAL GROUND | | |

HORIZONTAL CONTROL TABLE

POINT #	NORthing	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MIN IN FSC JOINT CAL VRS
2	2151113.55	6282064.74	SET MIN CP IN FSC JOINT
5	2151238.86	6282179.49	FD MIN AND WASHER LS 5411
6	2150621.56	6282120.83	FD GEAR SPIKE AND WASHER LS 5411
7	2155451.06	6281204.60	FD BM T-54-81 BRG

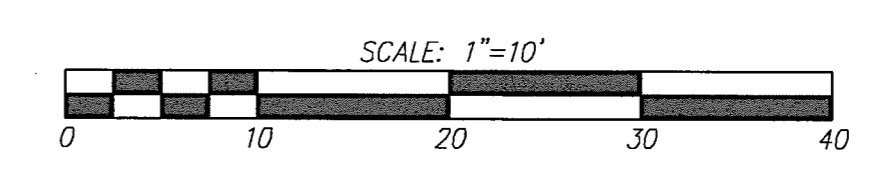
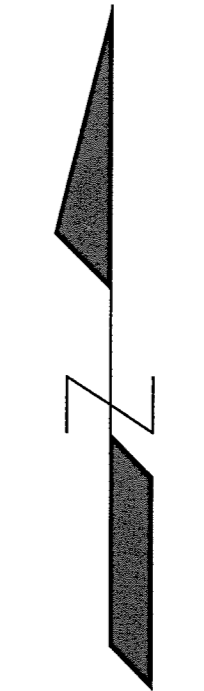
MATCHLINE - SEE SHEET C2.1

MATCHLINE - SEE SHEET C2.2



EXISTING FIELD AREA

WHITEWOOD ROAD



April 07, 2017 at 4:07pm C:\Temp\Public\10225\104_09-C2-01_00.dwg by Sebastian on SYSTEM83

EPIC ENGINEERS
Civil Engineers Land Services
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SUITE 146
REDLANDS, CA 92373
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FAX 909-752-6889



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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04-115979
AC FLS SS
DATE: APR 12 2017

TOPOGRAPHIC MAP

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

DRAWING
C2.3

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

MATCHLINE - SEE SHEET C2.3

TOPOGRAPHIC LEGEND:

- | | |
|-------------------------------|----------------------------|
| AC ASPHALT | SCD SEWER CLEANOUT |
| ADA AMERICAN DISABILITIES ACT | TC TOP OF CURB |
| BLD BUILDING | TP TOP OF PAVEMENT |
| BSC BLIND STRIPE GROOVE | PE POST EQUIPMENT |
| BSW BACK OF SIDEWALK | TW TOP OF WALL |
| CR CROWN | UB UTILITY BOX |
| CD CLEANOUT | US UTILITY SLAB |
| COMM COMMUNICATION | UTL UTILITY |
| CLF CHAIN LINK FENCE | UV UTILITY VAULT |
| CTL CURB FLOWLINE | VLT VAULT |
| COR CORNER | WC WALL CORNER |
| CP MX CONTROL POINT MARKER X | WF WATER FOUNTAIN |
| OW CORNER OF WALL | WF WROUGHT IRON FENCE |
| D DRAIN INLET | WM WATER METER |
| EOB EDGE OF BRICK | WV WATER VALVE |
| EOC EDGE OF CONCRETE | WV FIRE HYDRANT |
| ELEC VLT ELECTRIC VAULT | SGN SIGN |
| EP EDGE OF PAVEMENT | SSD SIGN STRIP |
| FCE FENCE MOW STRIP | STC STEEL TUBE FENCE |
| FF FINISHED FLOOR | CLF CHAIN LINK FENCE |
| FH FIRE HYDRANT | EDG EDGE OF PAVEMENT |
| FL FLOWLINE | INDICATES EXISTING CONTOUR |
| PW POST INDICATOR VALVE | INDICATES EXISTING ASPHALT |
| PS PARKING STRIPE | INDICATES EXISTING PCC |
| FSC FINISH SURFACE CONCRETE | |
| FSXC RAMP LANDING | |
| GL GUTTER LINE | |
| RCB RIBBON GUTTER | |
| ICV IRRIGATION CONTROL VALVE | |
| INV INVERT | |
| LP LIGHT POLE | |
| MN MANHOLE | |
| MC MACNAIL | |
| NG NATURAL GROUND | |

GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/02/16 BY EPIC ENGINEERS.

BENCHMARK:

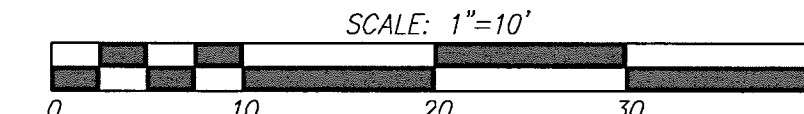
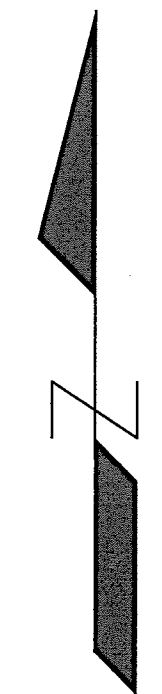
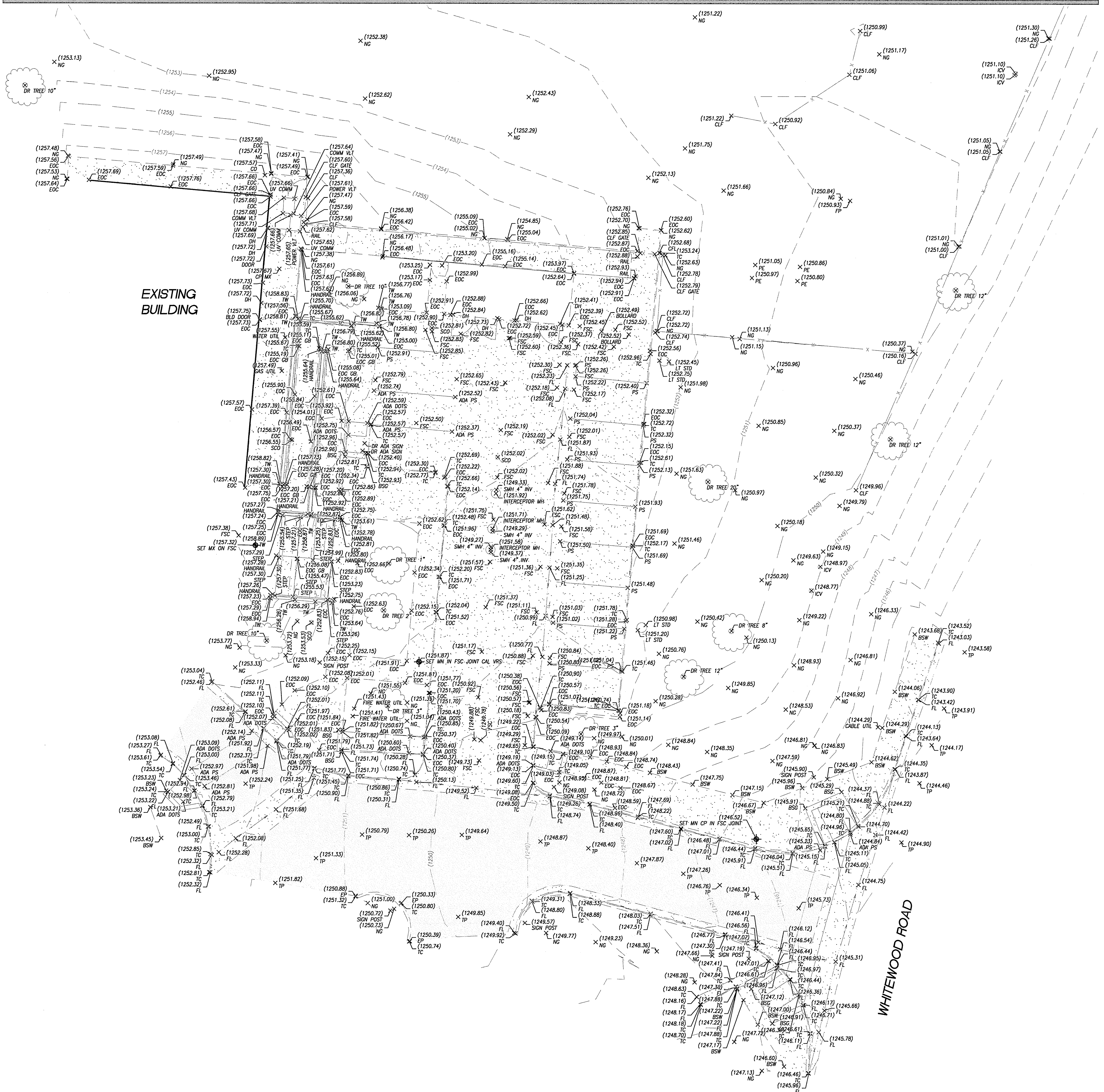
BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'
BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81
HORIZONTAL DATUM: CPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.
VERTICAL DATUM: NAVD83

BASIS OF BEARINGS:

BENCHMARK VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81
BASIS OF BEARINGS: BASIS OF BEARINGS IS S 67.2378° E USING CONTROL POINTS 1 & 2

HORIZONTAL CONTROL TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
2	2151113.55	6282064.74	SET MN CP IN FSC JOINT
5	2151238.88	6282179.49	FD MN AND WASHER LS 5411
6	2150821.58	6282120.83	FD GEAR SPIKE AND WASHER LS 5411
7	2155451.80	6281204.60	FD BM T-54-81 BCI



EPIC ENGINEERS
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FAX 909-752-8869

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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04-115979
AC / FILS / SS /
DATE: APR 12 2017

TOPOGRAPHIC MAP

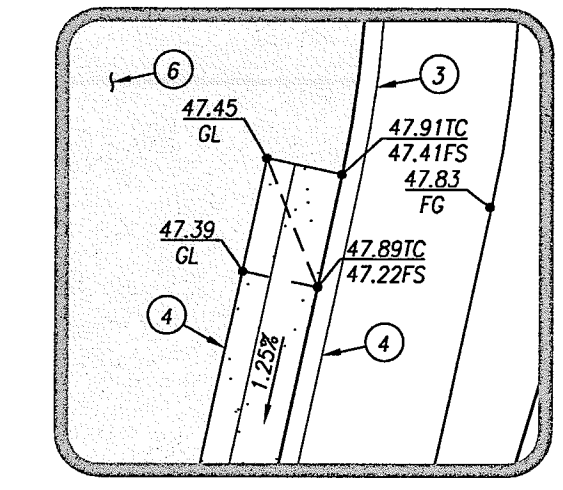
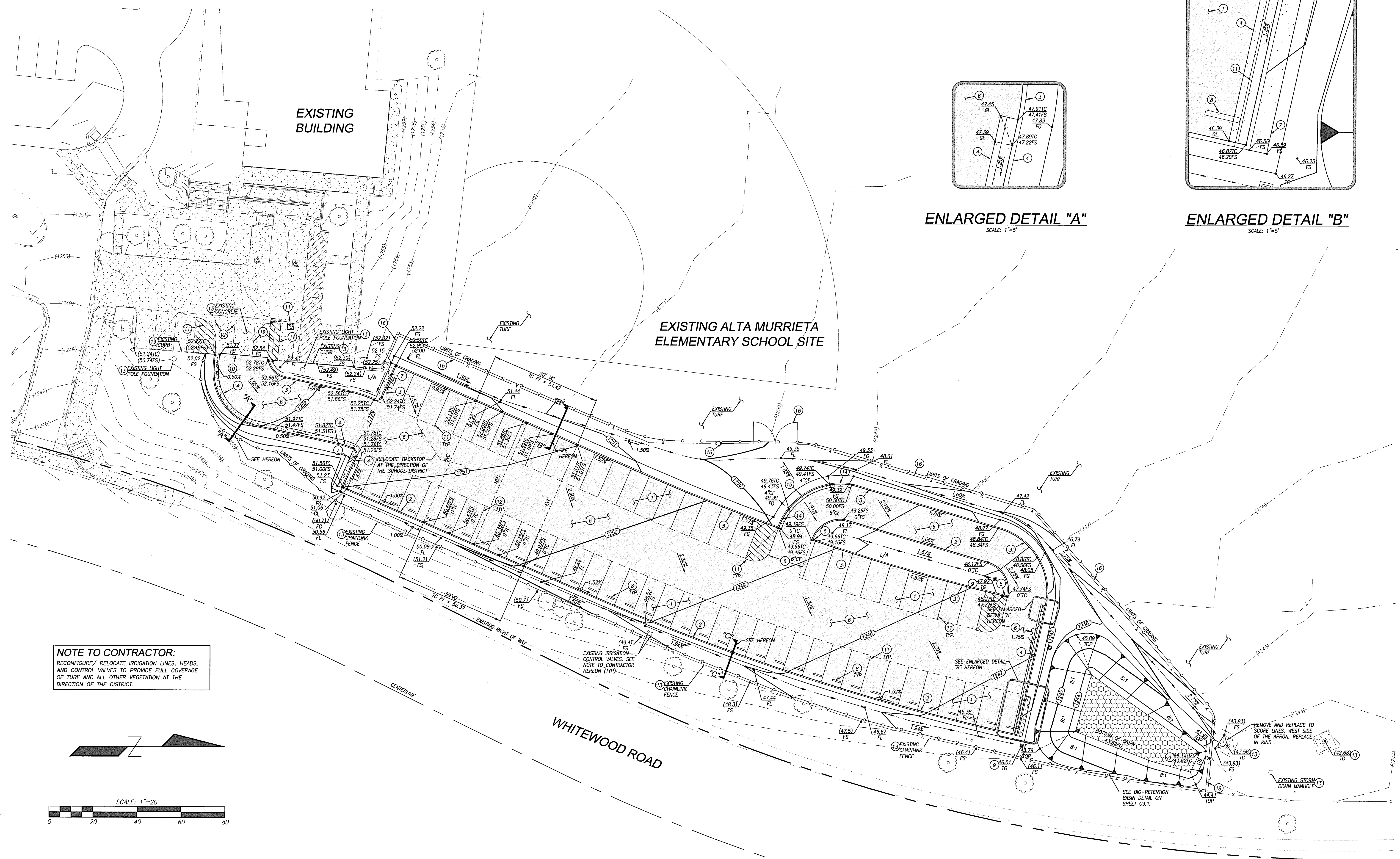
NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

DRAWING
C2.4

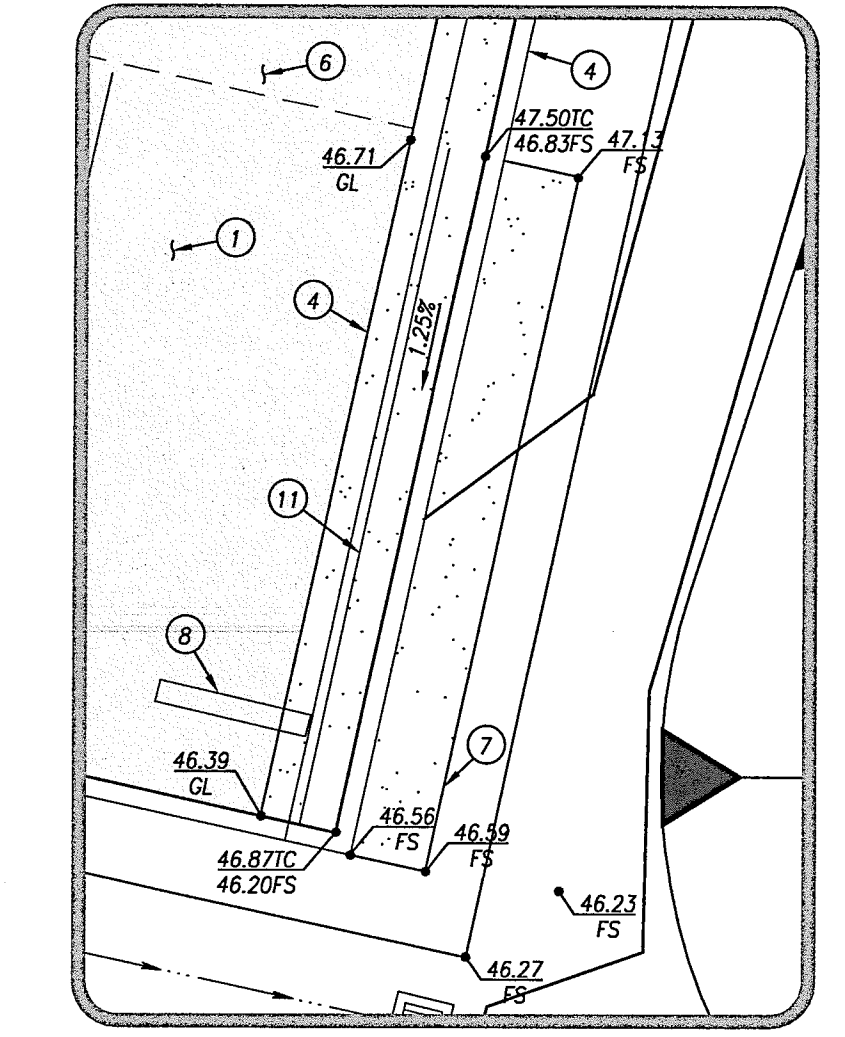
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

GRADING CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE, SUBGRADE AT 95% RELATIVE COMPACTION
2. CONSTRUCT 0" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1.
3. CONSTRUCT TYPE "A-6" CURB PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1.
4. CONSTRUCT TYPE "D" CURB (CASE A) PER CITY OF MURRIETA STD. NO. 305 ON SHEET C6.1.
5. CONSTRUCT 0"-6" PCC (560-C-3250) CURB END PER DETAIL "D" ON SHEET C6.1.
6. CONSTRUCT 4" AC OVER 12" CRUSHED AGGREGATE BASE, SUBGRADE AT 95% RELATIVE COMPACTION
7. CONSTRUCT 1.5" WIDENED PCC (560-C-3250) CURB PER DETAIL "H" ON SHEET C6.1.
8. FURNISH AND INSTALL PRECAST PCC WHEEL STOP PER DETAIL "D" ON SHEET C6.1.
9. FURNISH AND INSTALL DRAWN PER COMPOSITE UTILITY PLANS ON SHEET C4.1
10. SAWCUT, REMOVE AND DISPOSURE OF EXISTING SURFACE. CONTRACTOR TO REPLACE EXISTING SURFACE IN KIND, MATCH NEW SURFACE FLUSH TO EXISTING.
11. PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.
12. SANDBLAST EXISTING PARKING STRIPE.
13. PROTECT IN PLACE.
14. CONSTRUCT PCC CURB TRANSITION PER CITY OF MURRIETA STD. NO. 316. (MODIFIED: OMIT FLOWLINE)
15. CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1.
16. FURNISH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

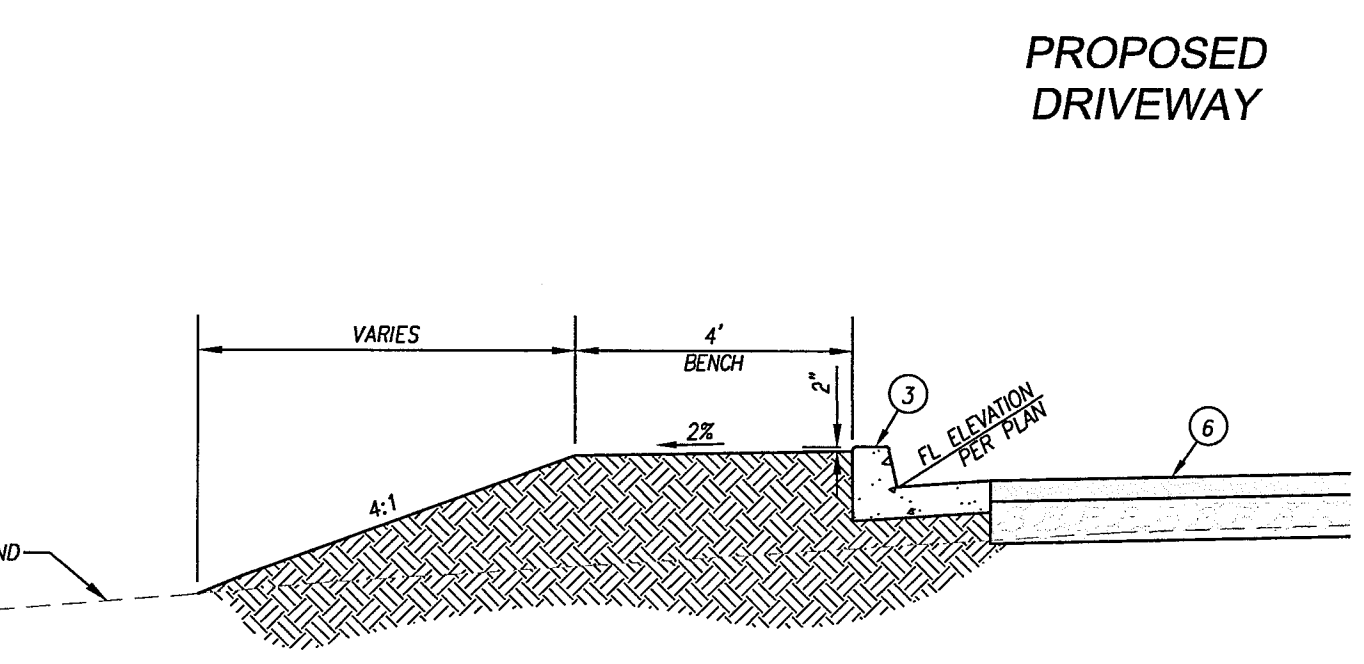
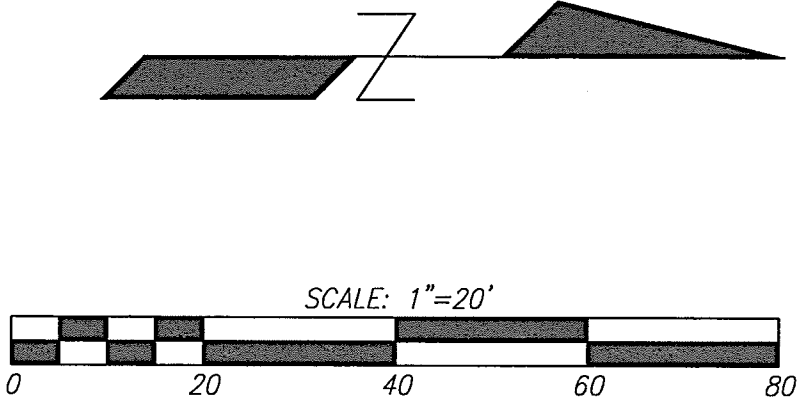


ENLARGED DETAIL "A"
SCALE: 1"=5'

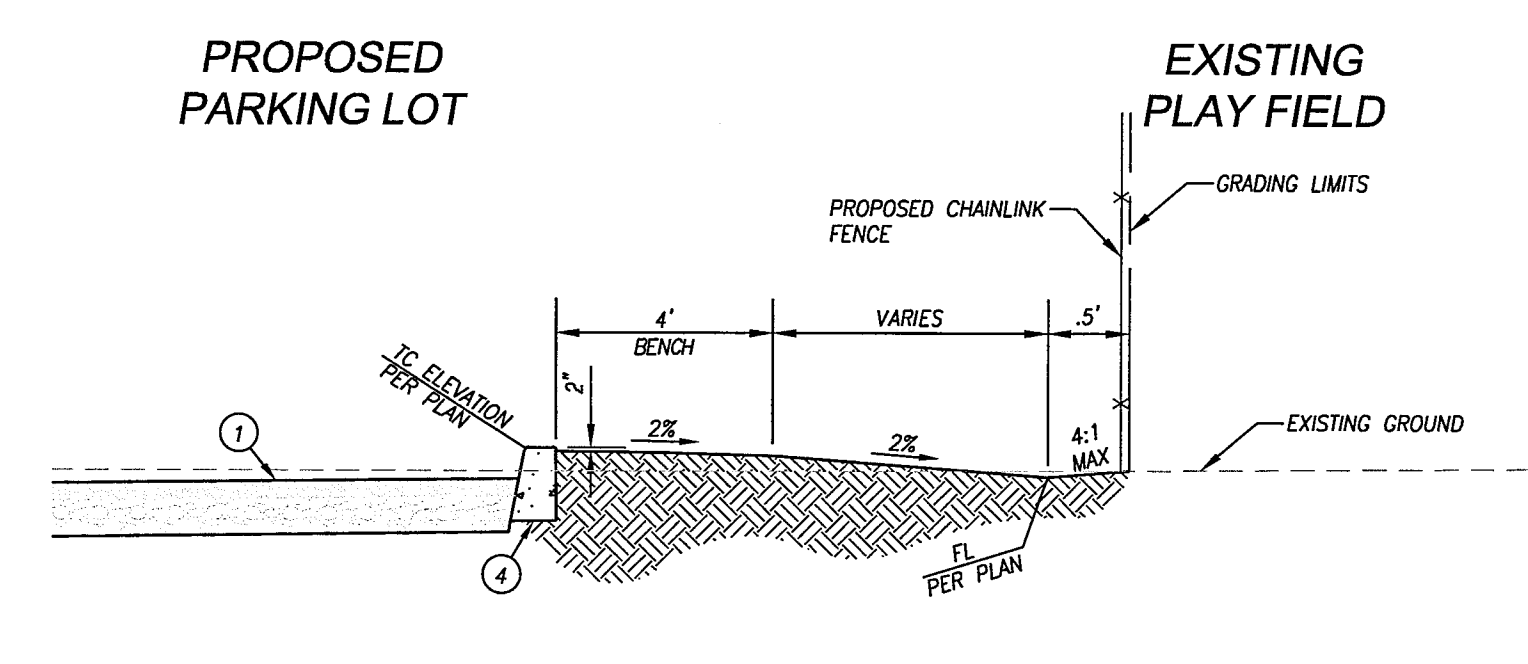


ENLARGED DETAIL "B"
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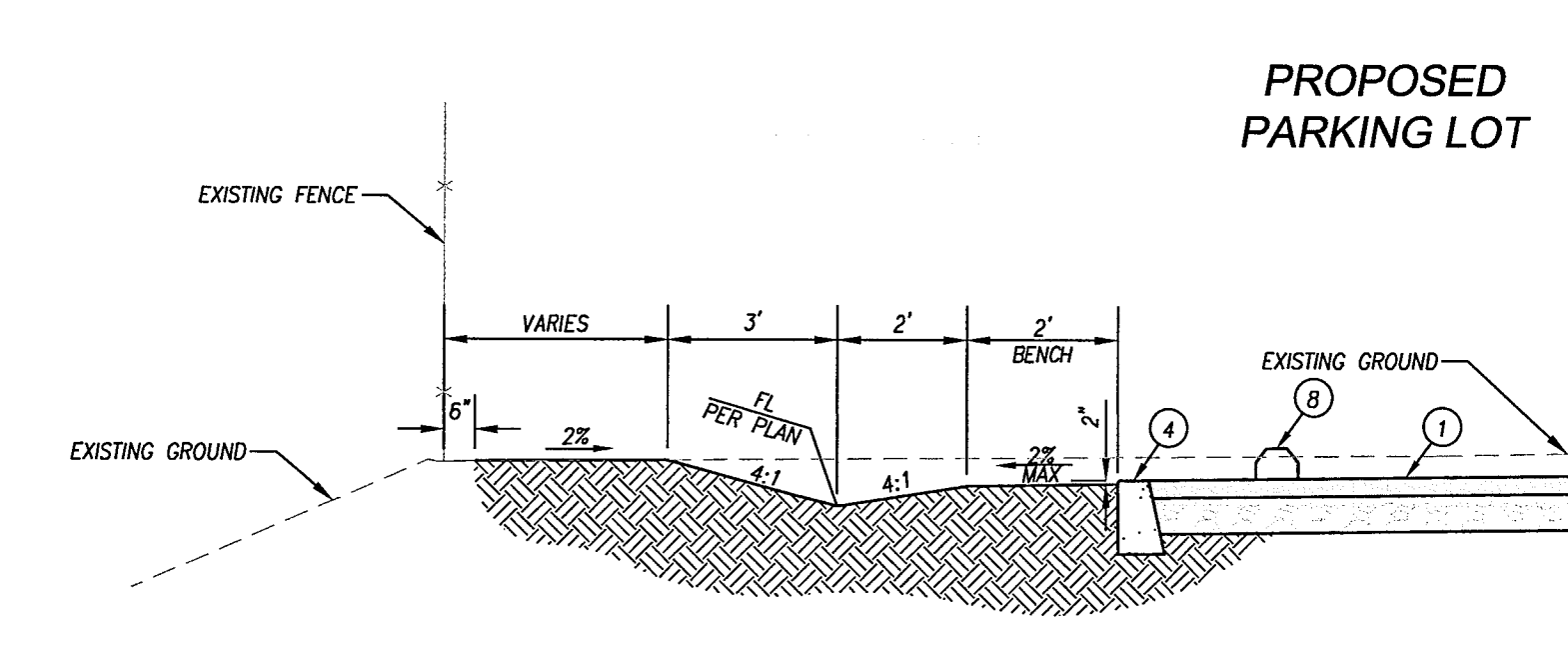
NOTE TO CONTRACTOR:
RECONFIGURE/RELOCATE IRRIGATION LINES, HEADS, AND CONTROL VALVES TO PROVIDE FULL COVERAGE OF TURF AND ALL OTHER VEGETATION AT THE DIRECTION OF THE DISTRICT.



SECTION "A-A"
NOT TO SCALE



SECTION "B-B"
NOT TO SCALE



SECTION "C-C"
NOT TO SCALE

EPIC ENGINEERS
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PRECISE GRADING

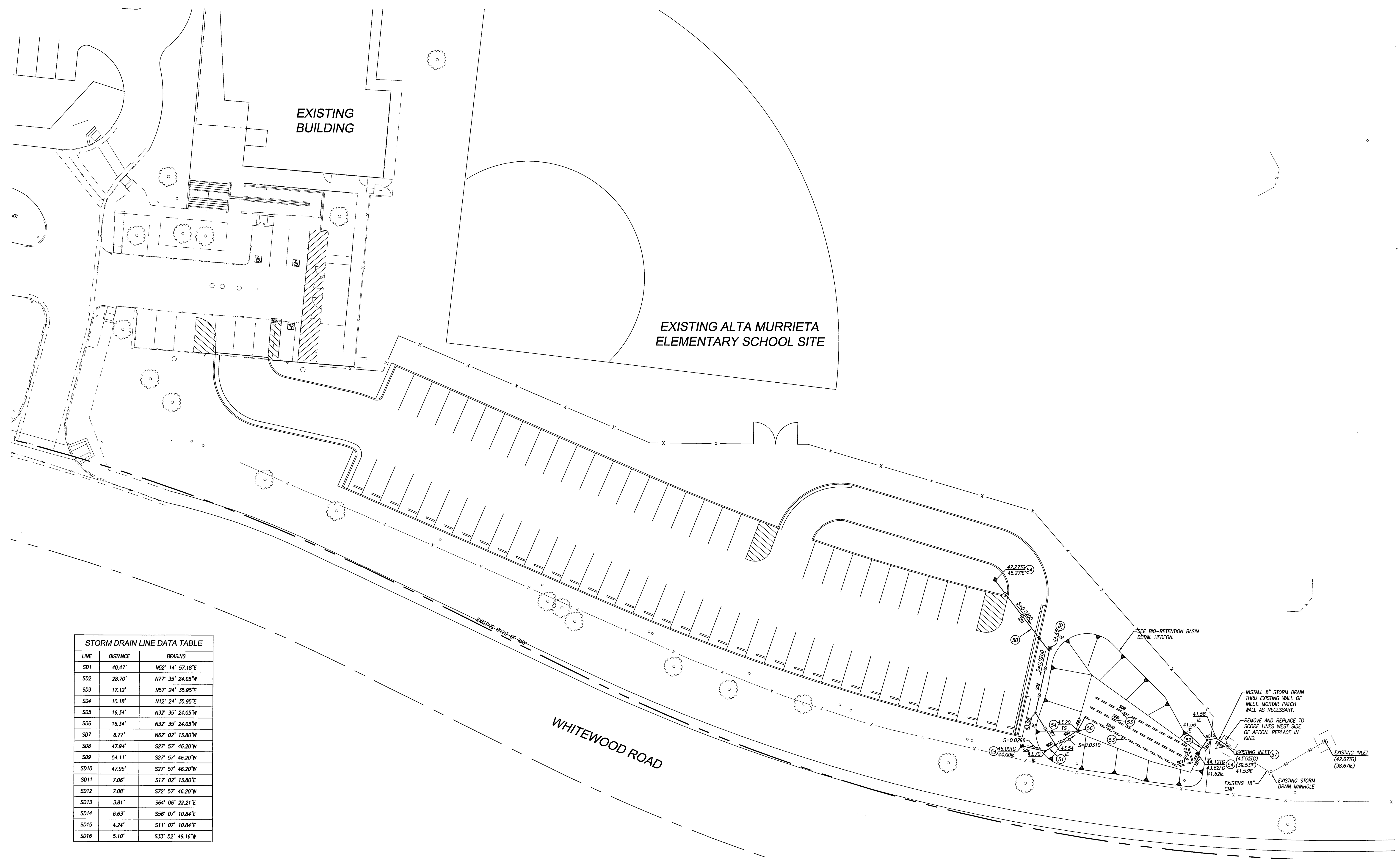
NO. DATE ISSUE PROJECT NO: 16041-00
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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

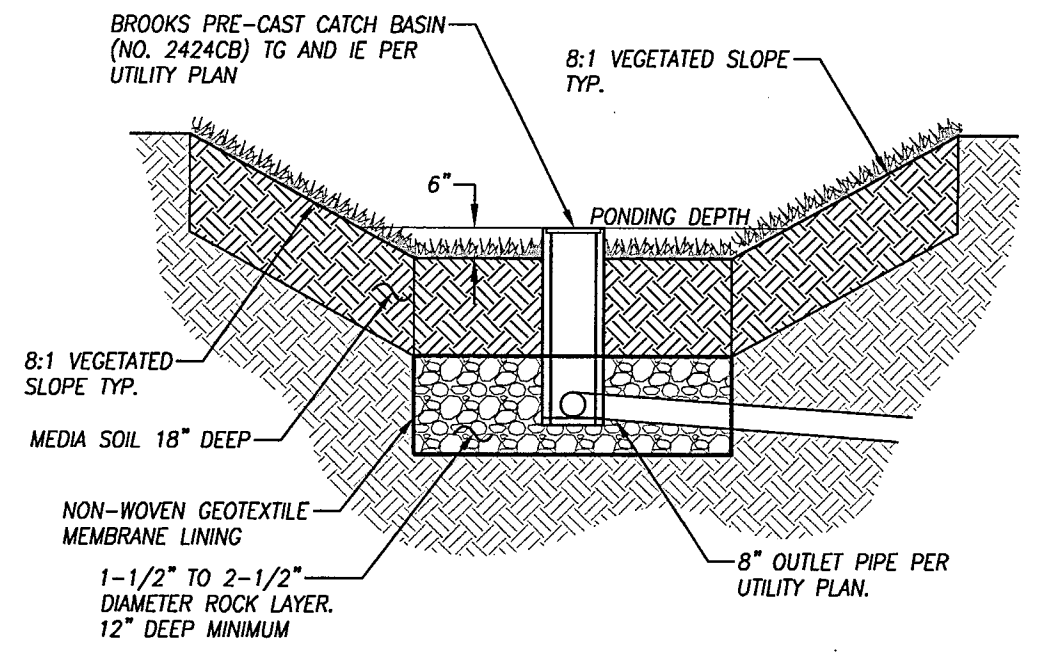
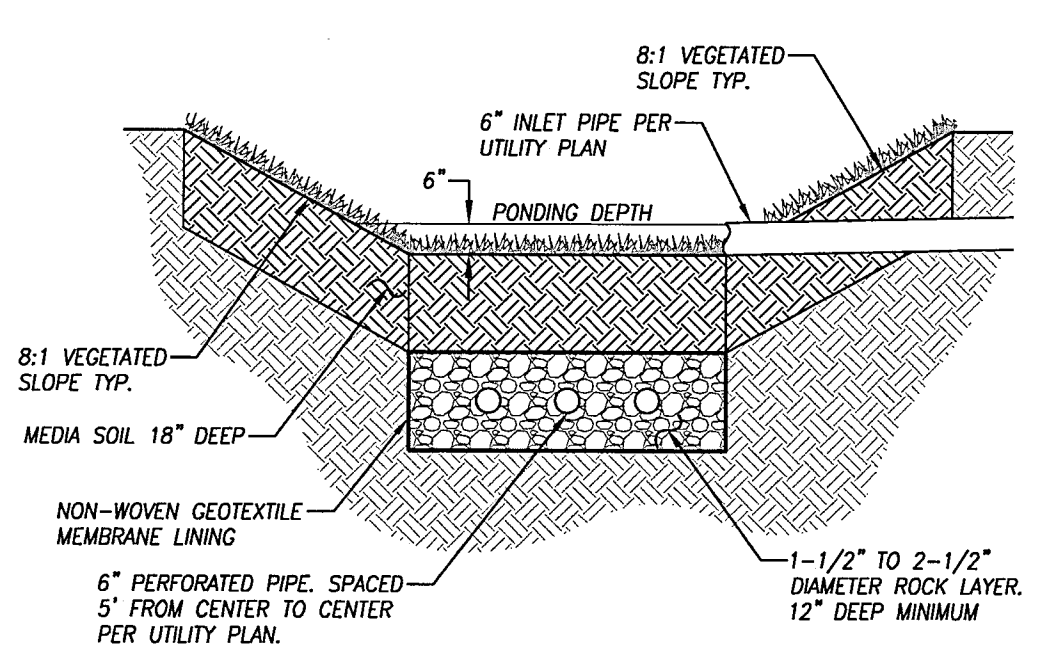
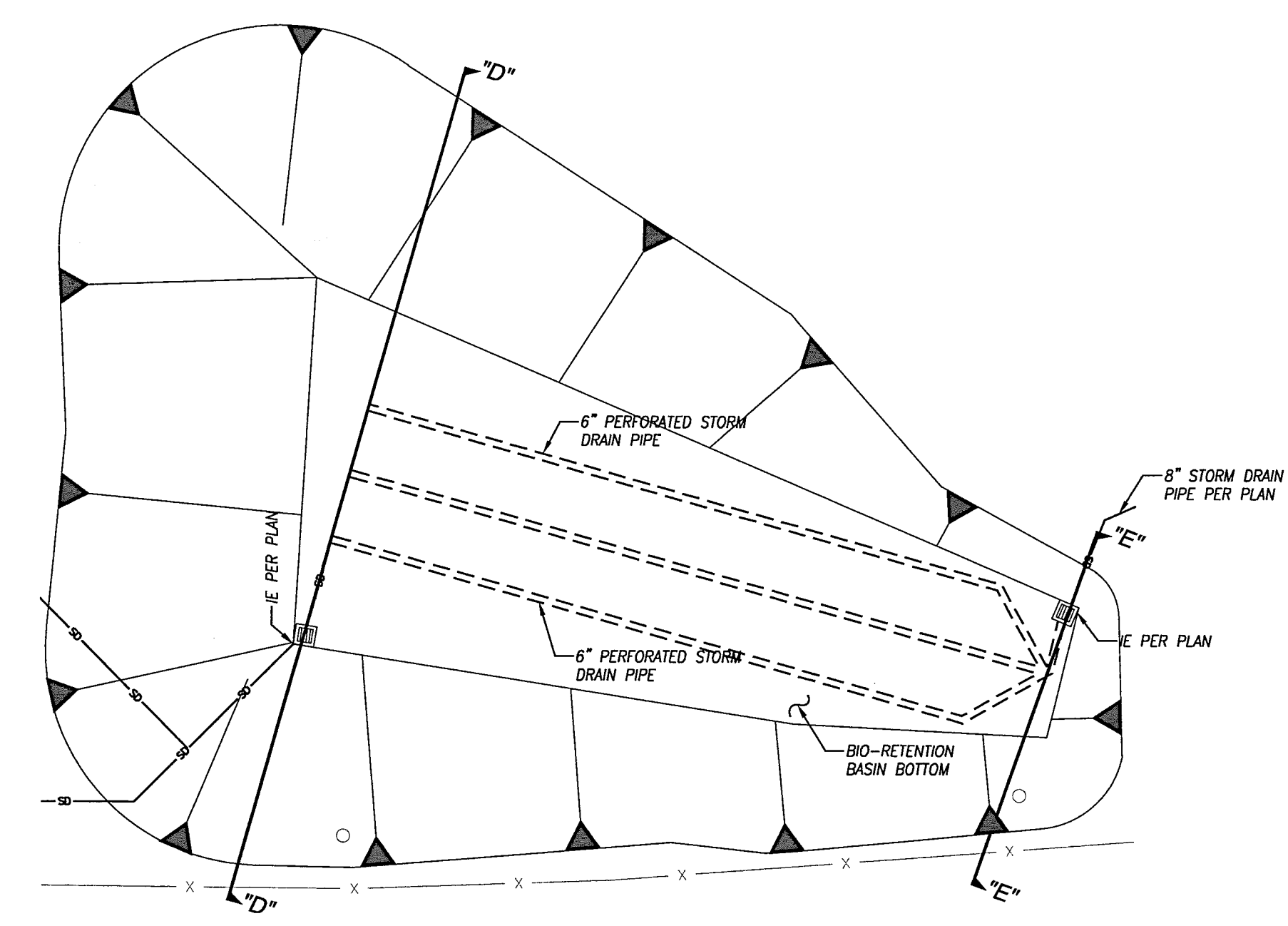
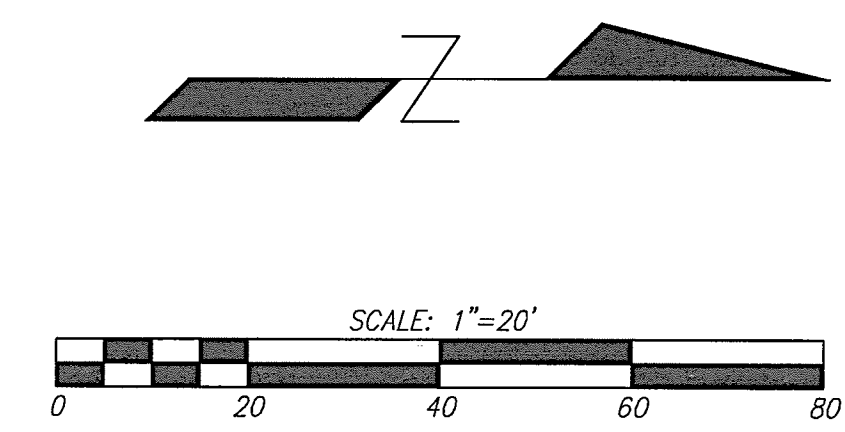
UTILITY CONSTRUCTION NOTES

- STORMDRAIN**
- (S1) FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE.
 - (S2) FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE.
 - (S3) FURNISH & INSTALL 8" SDR 35 PVC STORM DRAIN PIPE.
 - (S4) FURNISH & INSTALL PERFORATED 6" SDR 35 PVC STORM DRAIN PIPE. SEE VEGETATED SWALE DETAIL ON SHEET C6.1 FOR MORE INFORMATION.
 - (S5) FURNISH & INSTALL 12" BROOKS PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.
 - (S6) FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "G" ON SHEET C6.1.
 - (S7) FURNISH & INSTALL 12" JALI DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL ON SHEET C6.1.
 - (S8) PROTECT IN PLACE.



STORM DRAIN LINE DATA TABLE

LINE	DISTANCE	BEARING
SD1	40.47'	N52° 14' 57.18"E
SD2	28.70'	N77° 35' 24.05"W
SD3	17.12'	N57° 24' 35.95"E
SD4	10.18'	N12° 24' 35.95"E
SD5	16.34'	N32° 35' 24.05"W
SD6	16.34'	N32° 35' 24.05"W
SD7	6.77'	N62° 02' 13.80"W
SD8	47.94'	S27° 57' 46.20"W
SD9	54.11'	S27° 57' 46.20"W
SD10	47.98'	S27° 57' 46.20"W
SD11	7.06'	S17° 02' 13.80"E
SD12	7.06'	S72° 57' 46.20"W
SD13	3.81'	S64° 06' 22.21"E
SD14	6.63'	S56° 07' 10.84"E
SD15	4.24'	S11° 07' 10.84"E
SD16	5.10'	S33° 52' 49.16"W



BIO-RETENTION BASIN
NOT TO SCALE

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CIVIL ENGINEERING
101 E. REDLANDS BOULEVARD
SUITE 146
REDLANDS, CA 92373

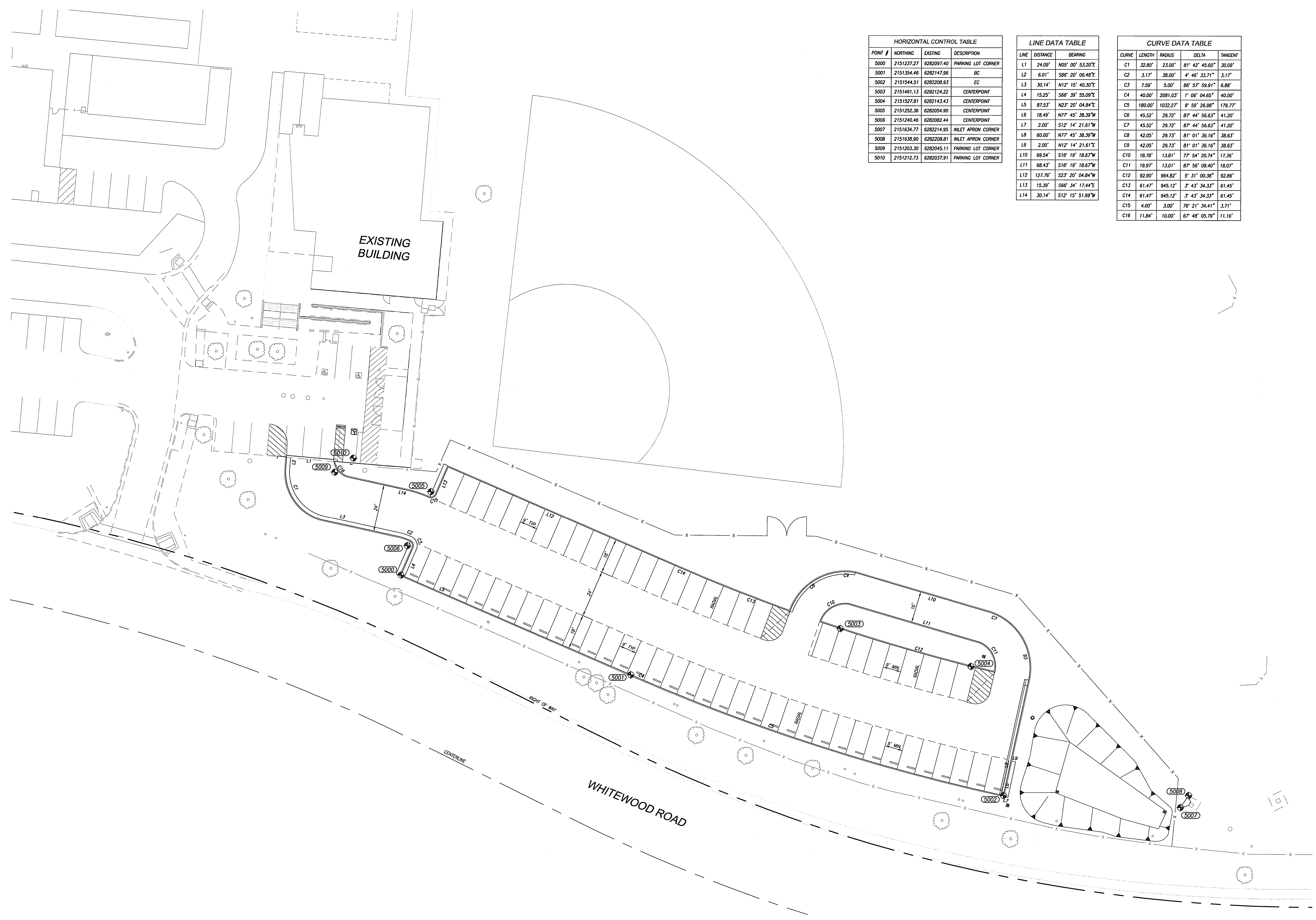
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AC / FILS / SS /
DATE: APR 12 2017

COMPOSITE UTILITIES

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

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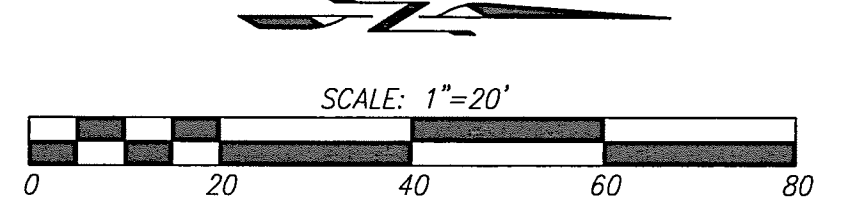
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION



HORIZONTAL CONTROL TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
5000	2151237.27	6282097.40	PARKING LOT CORNER
5001	2151354.46	6282147.96	BC
5002	2151544.51	6282208.93	EC
5003	2151461.13	6282124.22	CENTERPOINT
5004	2151527.81	6282143.43	CENTERPOINT
5005	2151252.36	6282054.90	CENTERPOINT
5006	2151240.46	6282082.44	CENTERPOINT
5007	2151634.77	6282214.95	INLET APRON CORNER
5008	2151638.90	6282208.81	INLET APRON CORNER
5009	2151203.30	6282045.11	PARKING LOT CORNER
5010	2151212.73	6282037.91	PARKING LOT CORNER

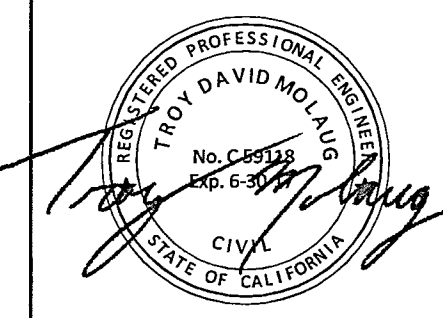
LINE DATA TABLE		
LINE	DISTANCE	BEARING
L1	24.09'	N05° 00' 53.20"E
L2	6.01'	S86° 20' 06.48"E
L3	30.14'	N12° 15' 40.30"E
L4	15.25'	S86° 39' 55.09"E
L5	87.53'	N23° 20' 04.84"E
L6	18.49'	N77° 45' 38.39"W
L7	2.00'	S12° 14' 21.61"W
L8	60.00'	N77° 45' 38.39"W
L9	2.00'	N12° 14' 21.61"E
L10	69.54'	S16° 19' 18.67"W
L11	68.43'	S16° 19' 18.67"W
L12	127.76'	S23° 20' 04.84"W
L13	15.39'	S86° 34' 17.44"E
L14	30.14'	S12° 15' 51.99"W

CURVE DATA TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	32.80'	23.00'	81° 42' 43.60"	30.09'
C2	3.17'	38.00'	4° 46' 33.71"	3.17'
C3	7.59'	5.00'	86° 57' 59.91"	6.88'
C4	40.00'	2081.03'	1° 06' 04.65"	40.00'
C5	180.00'	1032.27'	9° 59' 26.98"	179.77'
C6	45.52'	29.72'	87° 44' 56.63"	41.20'
C7	45.52'	29.72'	87° 44' 56.63"	41.20'
C8	42.05'	29.73'	81° 01' 36.16"	38.63'
C9	42.05'	29.73'	81° 01' 36.16"	38.63'
C10	18.78'	13.81'	77° 54' 20.74"	17.36'
C11	19.97'	13.01'	87° 56' 09.40"	18.07'
C12	92.90'	964.82'	5° 31' 00.38"	92.86'
C13	61.47'	945.12'	3° 43' 34.33"	61.45'
C14	61.47'	945.12'	3° 43' 34.33"	61.45'
C15	4.00'	3.00'	76° 21' 34.41"	3.71'
C16	11.84'	10.00'	67° 48' 05.79"	11.19'



April 07, 2017 at 4:28pm C:\Temp\AcPublish\10260\104_09-c5-01.dwg by sbastian on SYSTEM3

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FAX 909-792-4869



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HORIZONTAL CONTROL

NO. DATE ISSUE PROJECT NO: 16041-00
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DRAWING
C5.1

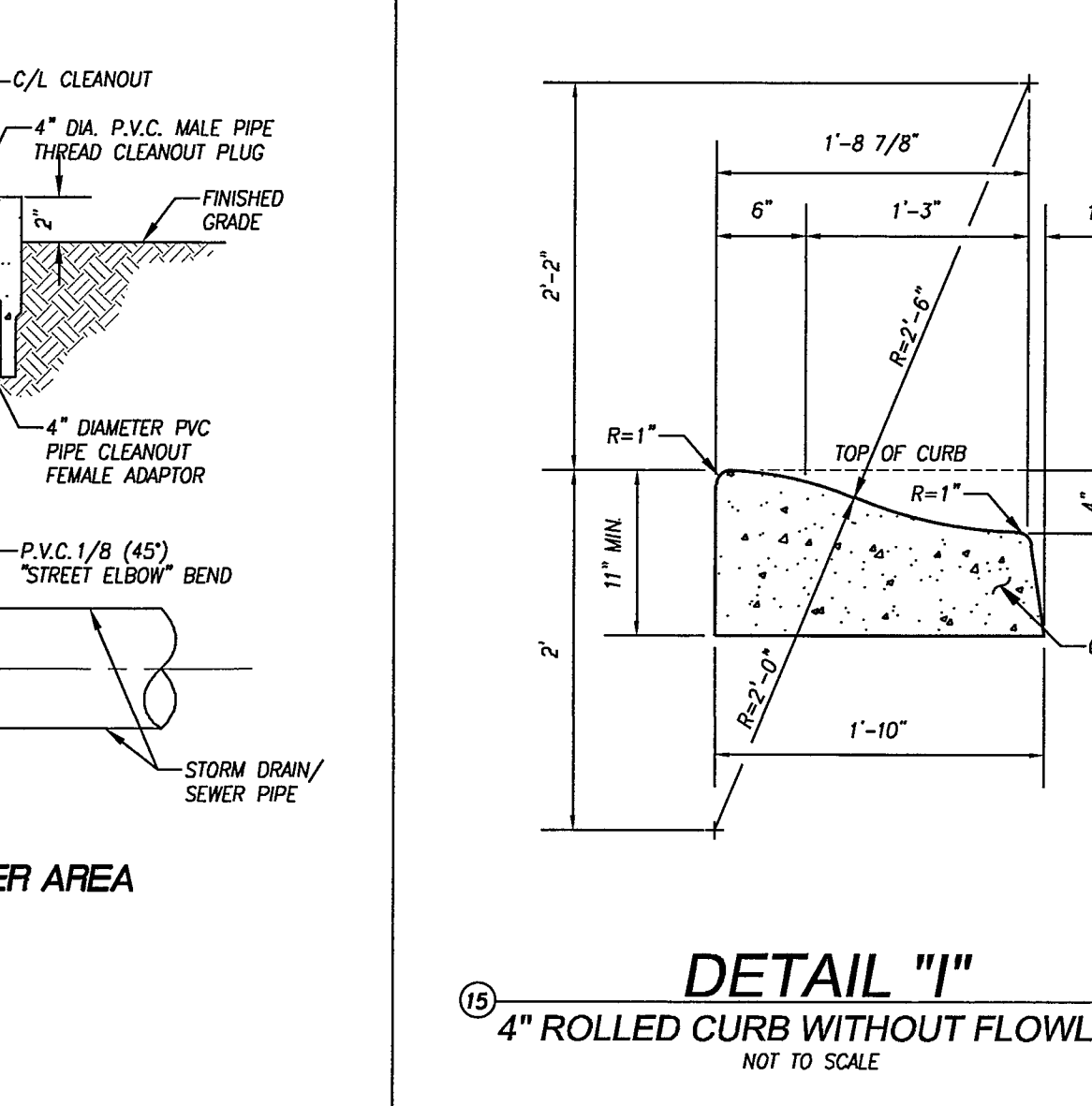
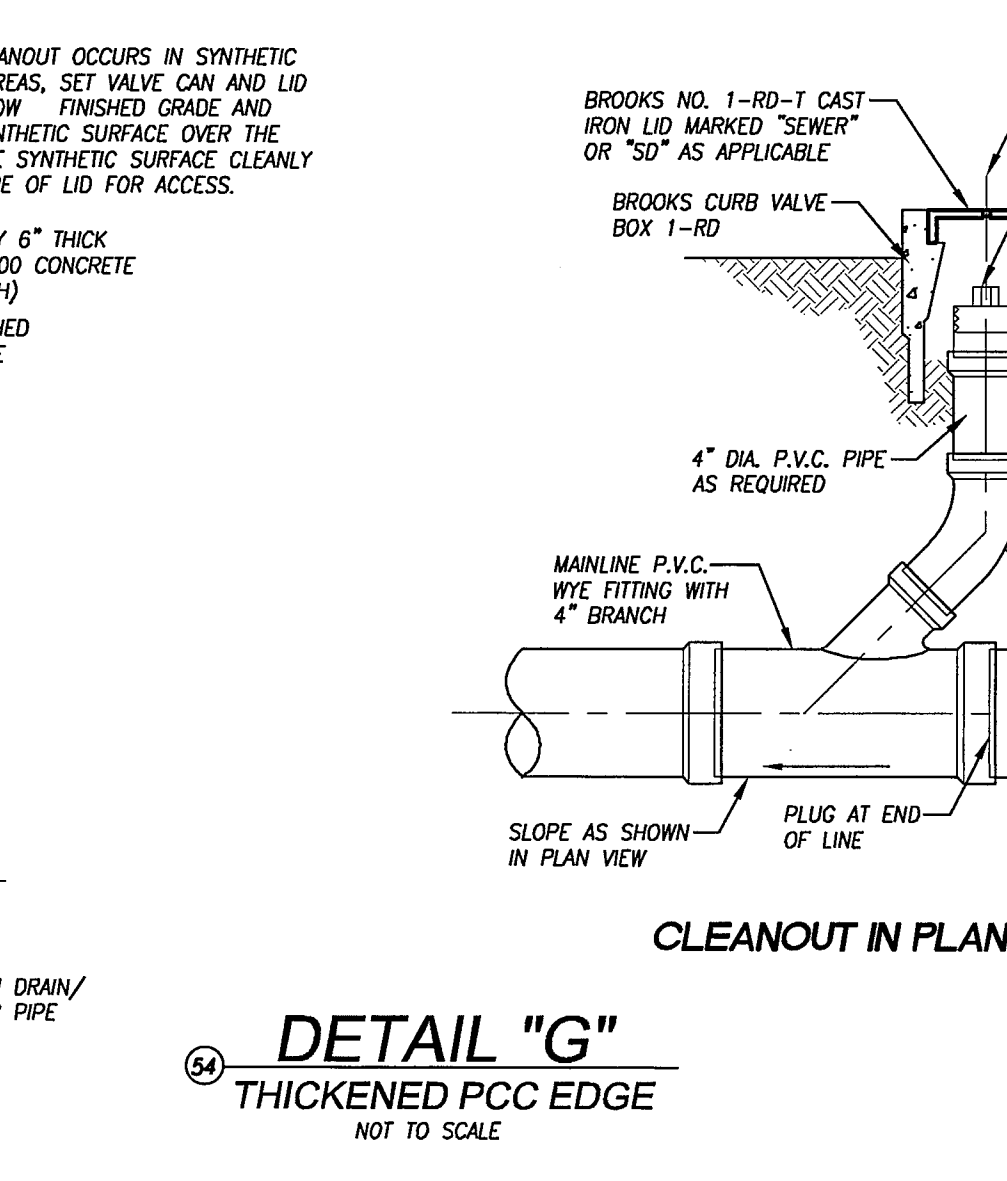
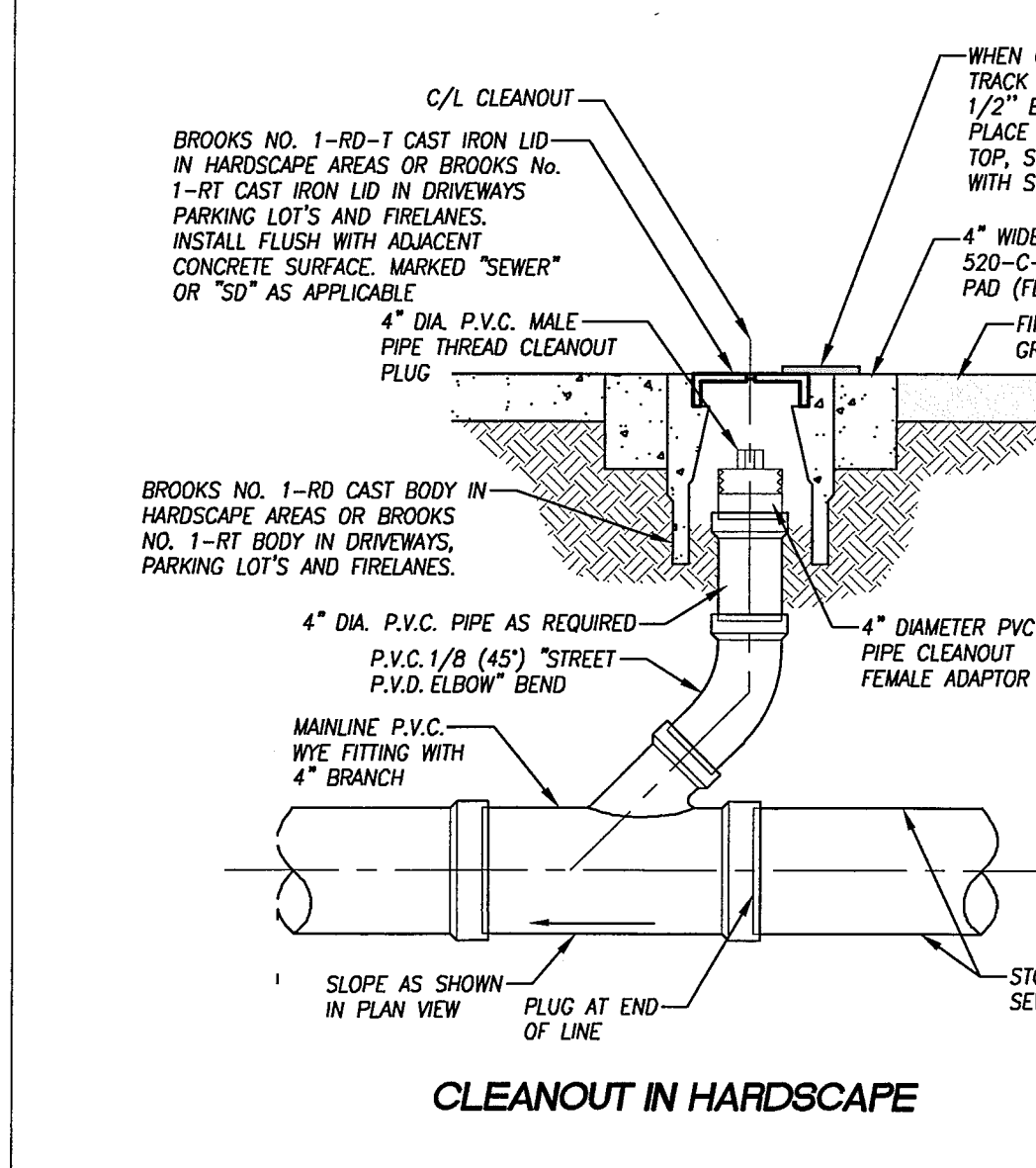
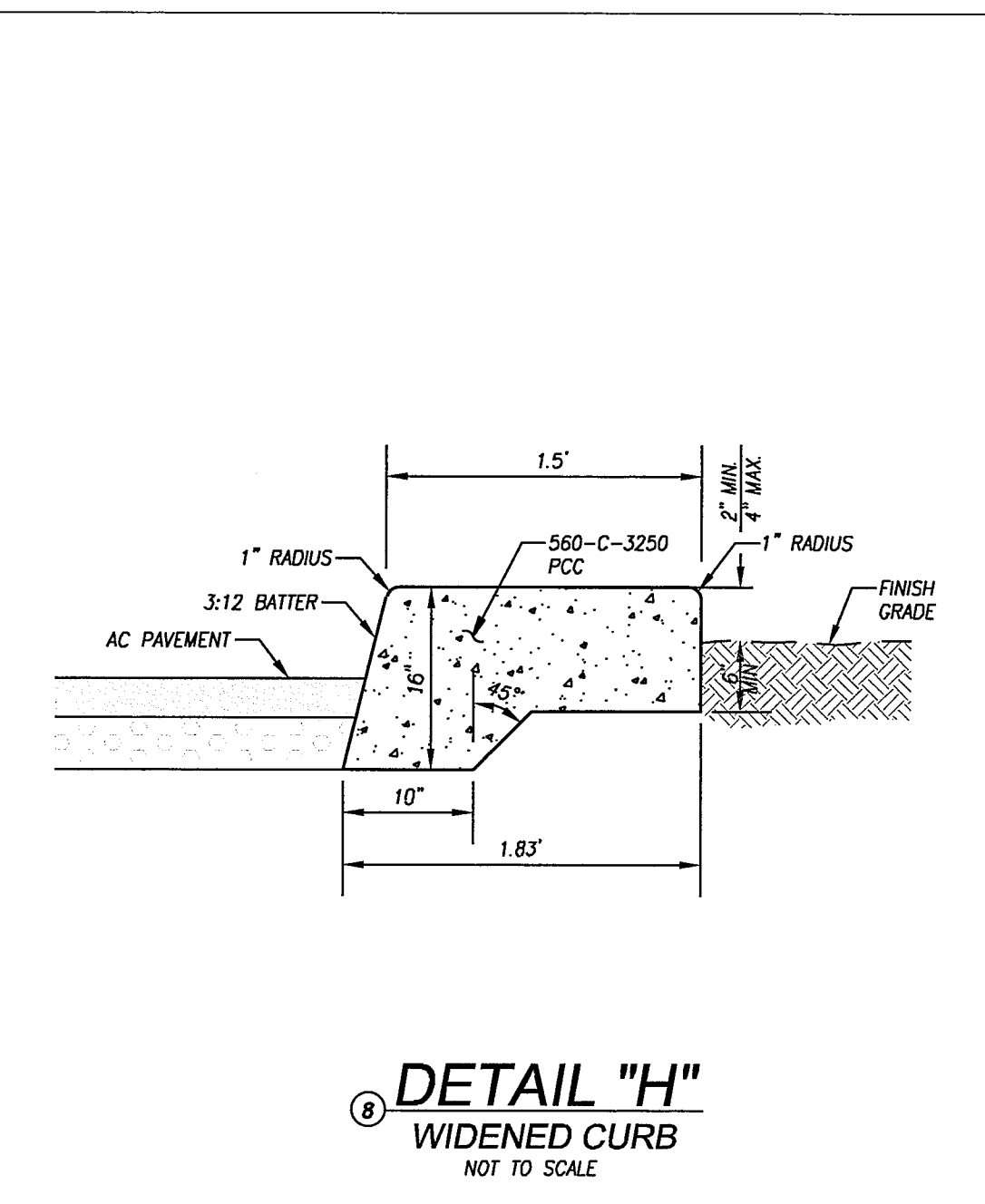
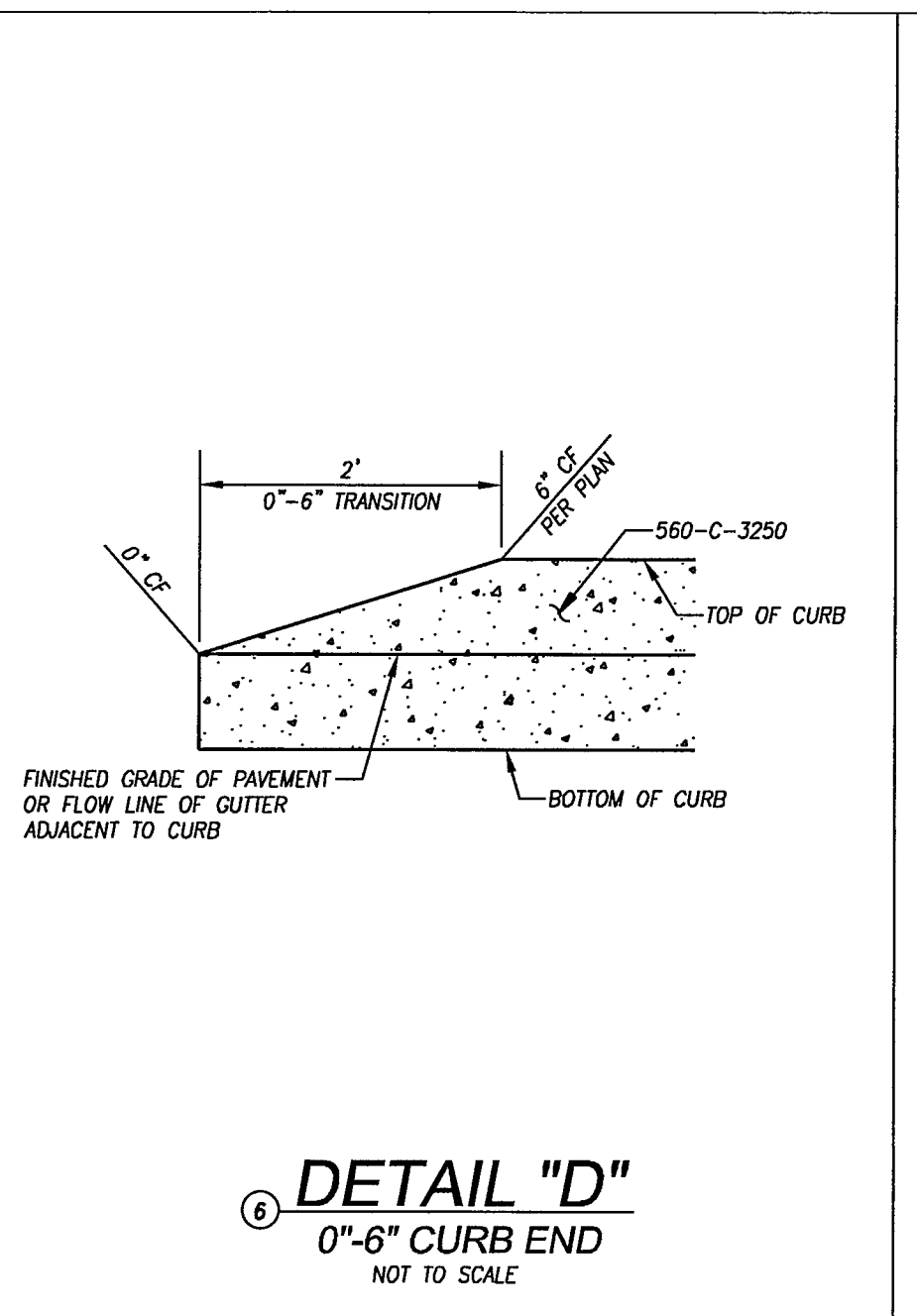
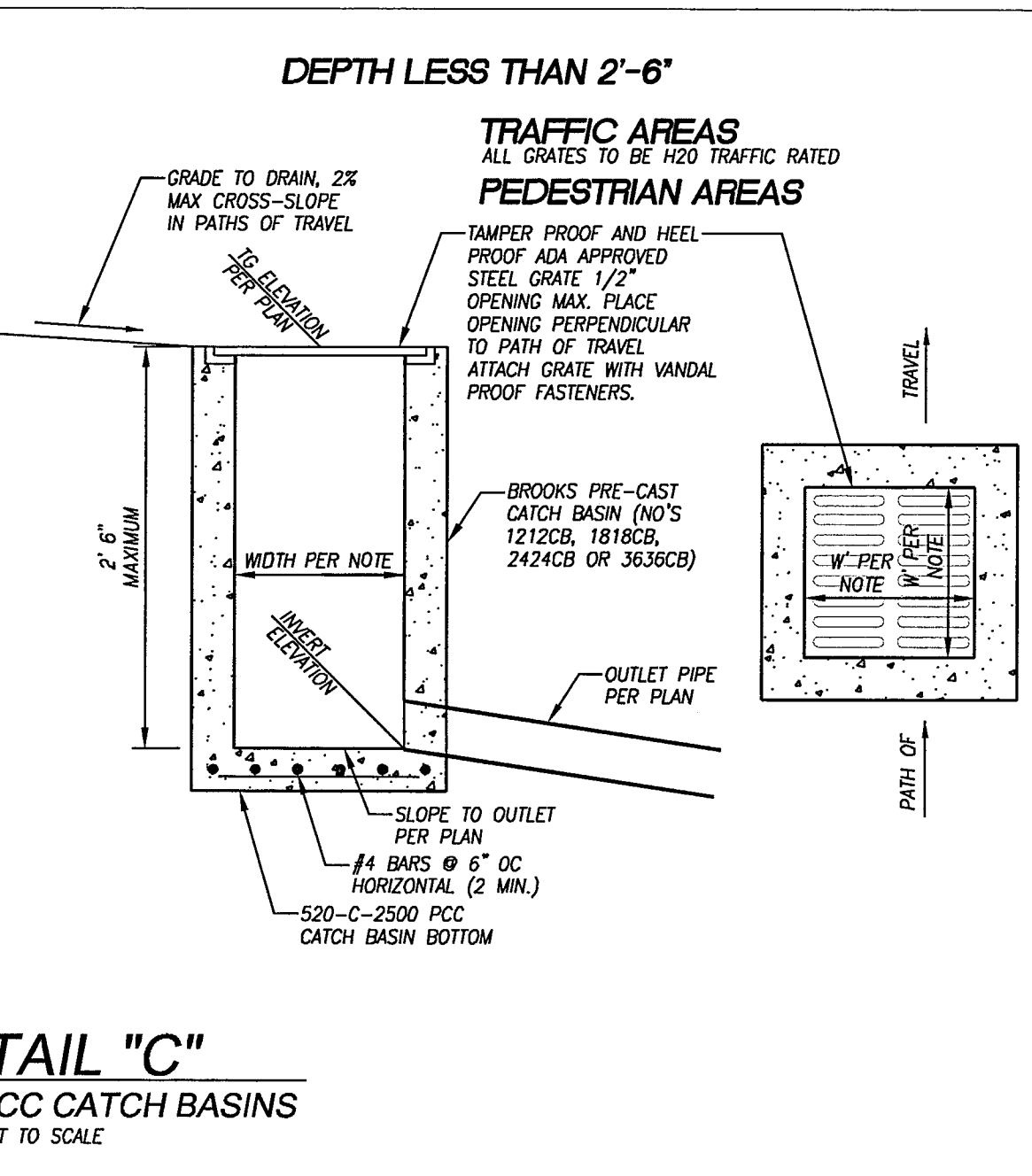
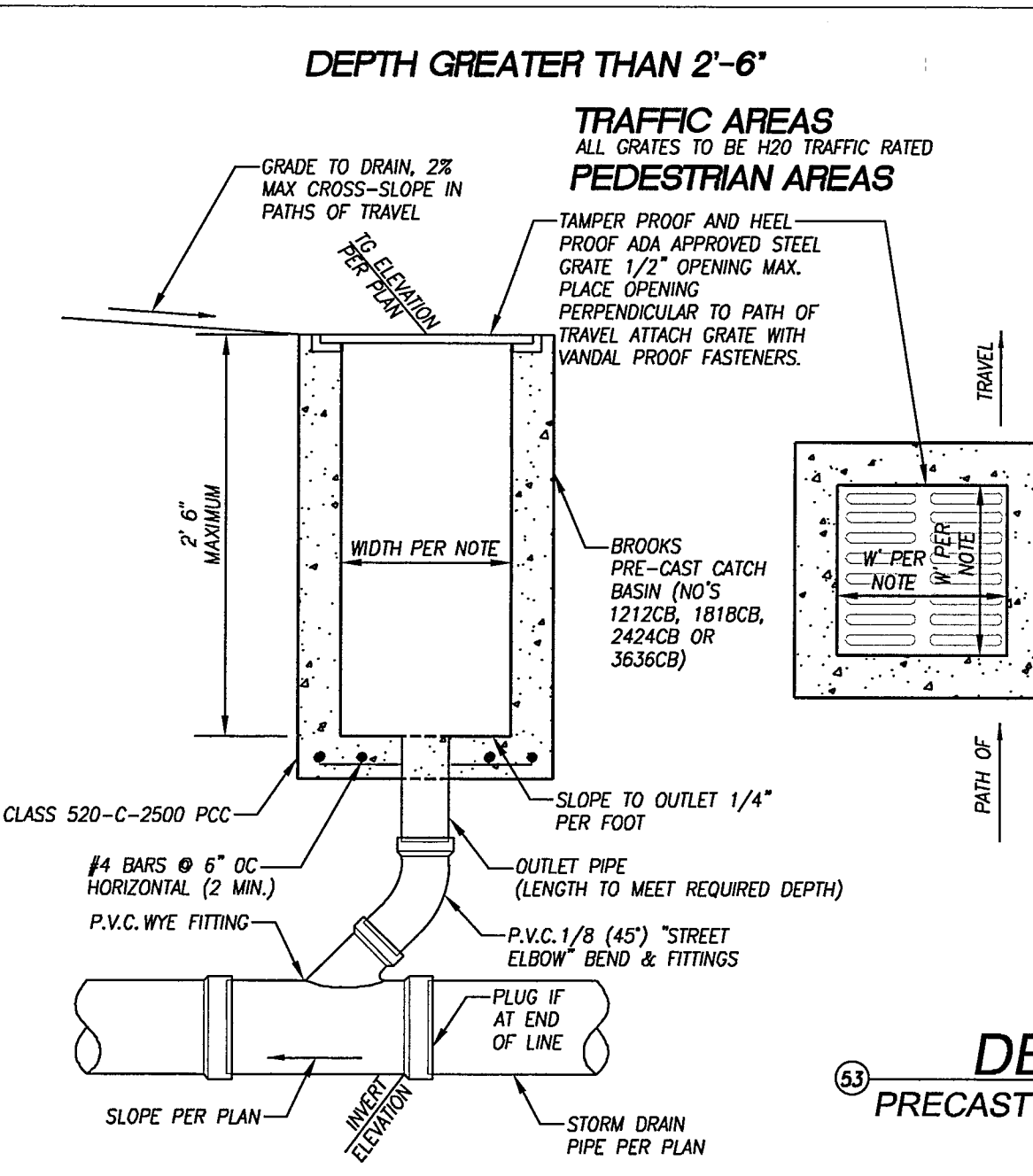
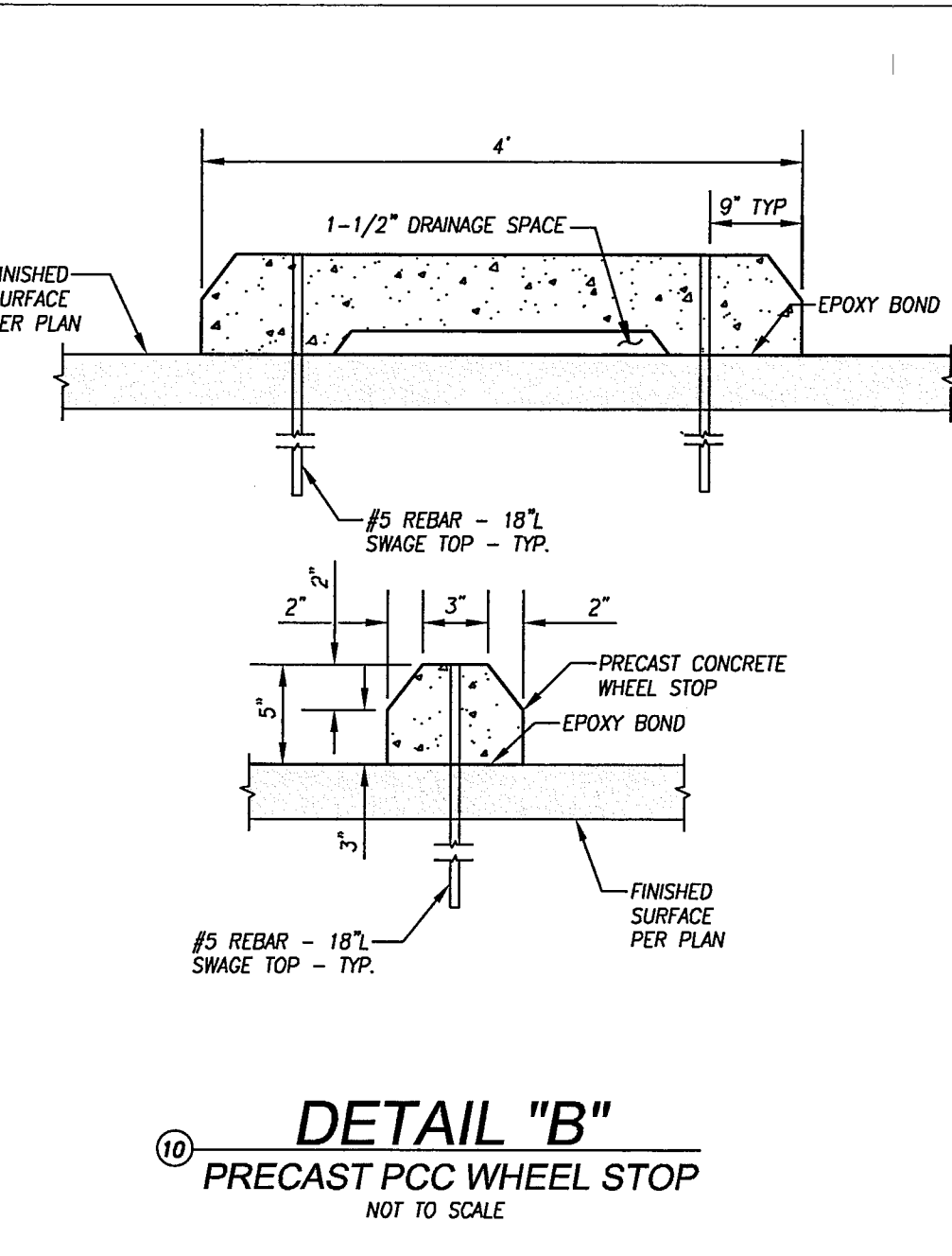
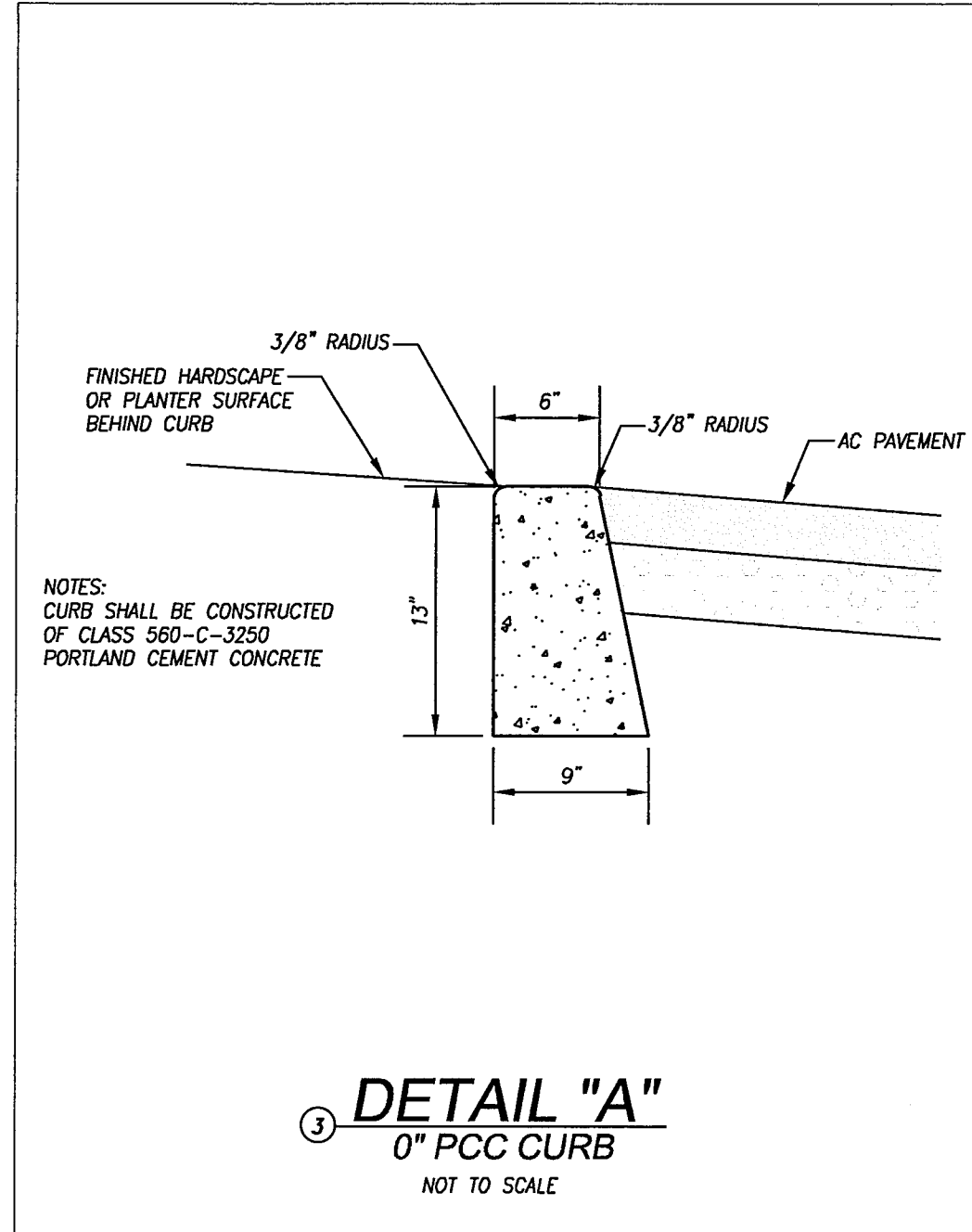
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

GRADING CONSTRUCTION NOTES

- CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE COMPACTION
- CONSTRUCT 0" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1
- CONSTRUCT TYPE "A-6" CURB PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1
- CONSTRUCT TYPE "D" CURB (CASE A) PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1
- CONSTRUCT 0"-6" PCC (560-C-3250) CURB END PER DETAIL "D" ON SHEET C6.1
- CONSTRUCT 4" AC OVER 12" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE COMPACTION
- CONSTRUCT 1.5" WIDENED CURB (560-C-3250) CURB PER DETAIL "H" ON SHEET C6.1
- FURNISH AND INSTALL PRECAST PCC WHEEL STOP PER DETAIL "B" ON SHEET C6.1
- FURNISH AND INSTALL DRAIN PER COMPOSITE UTILITY PLANS ON SHEET C4.1
- REMOVE AND DISPOSE OF EXISTING SURFACE. CONTRACTOR TO REPLACE EXISTING SURFACE IN KIND. MATCH NEW SURFACE FLUSH TO EXISTING.
- PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.
- SHORTEST EXISTING PARKING STRIPE.
- PROTECT IN PLACE.
- CONSTRUCT PCC CURB TRANSITION PER CITY OF MURRIETA STD. NO. 316. (MODIFIED: OMIT FLOWLINE)
- CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1
- FURNISH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

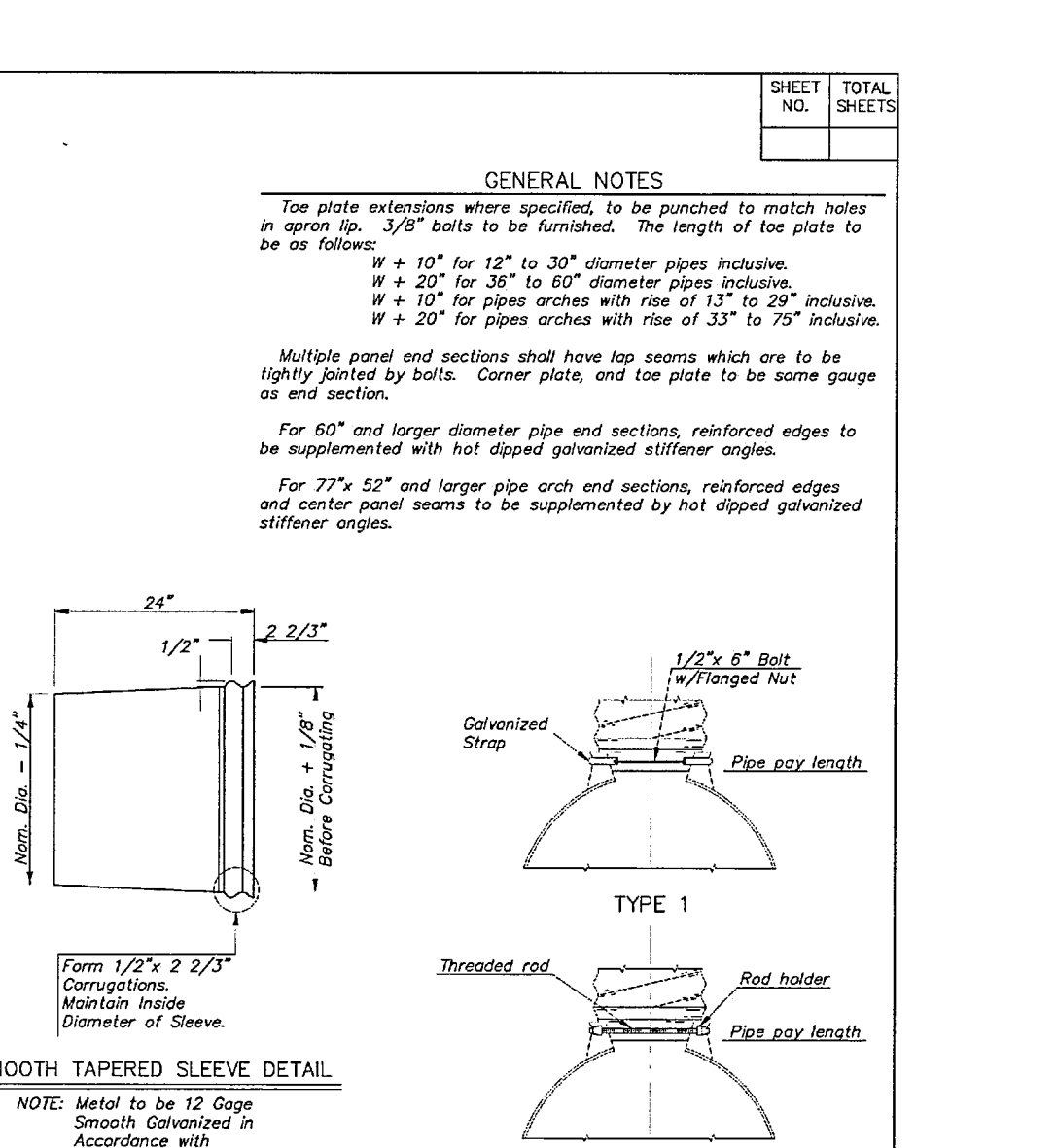
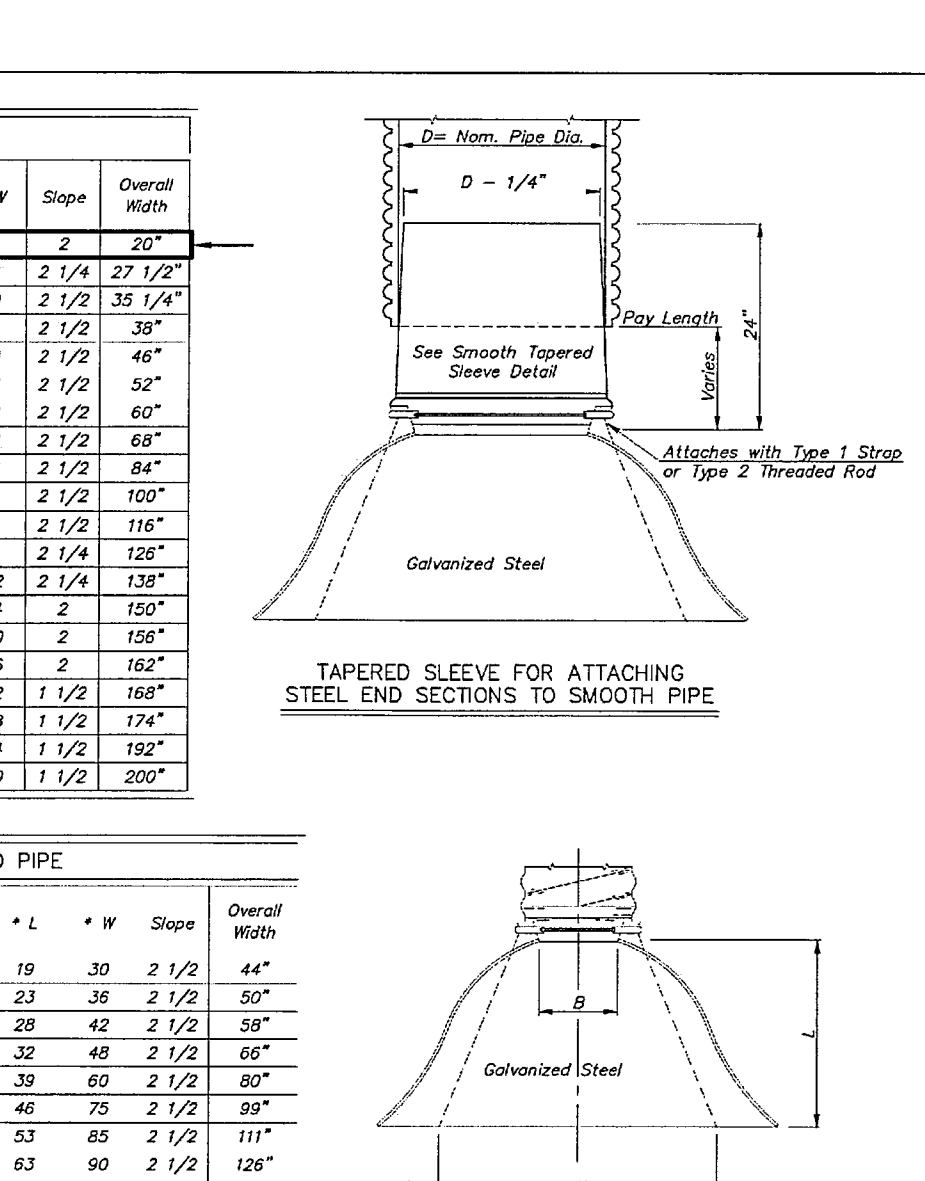
UTILITY CONSTRUCTION NOTES

- STORMDRAIN**
- FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE.
 - FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE.
 - FURNISH & INSTALL PERFORATED 6" SDR 35 PVC STORM DRAIN PIPE. SEE VEGETATED SWALE DETAIL ON SHEET C6.1 FOR MORE INFORMATION.
 - FURNISH & INSTALL PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.
 - FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "G" ON SHEET C6.1.
 - FURNISH & INSTALL 12" J&J DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL. ON SHEET C6.1.
 - PROTECT IN PLACE.



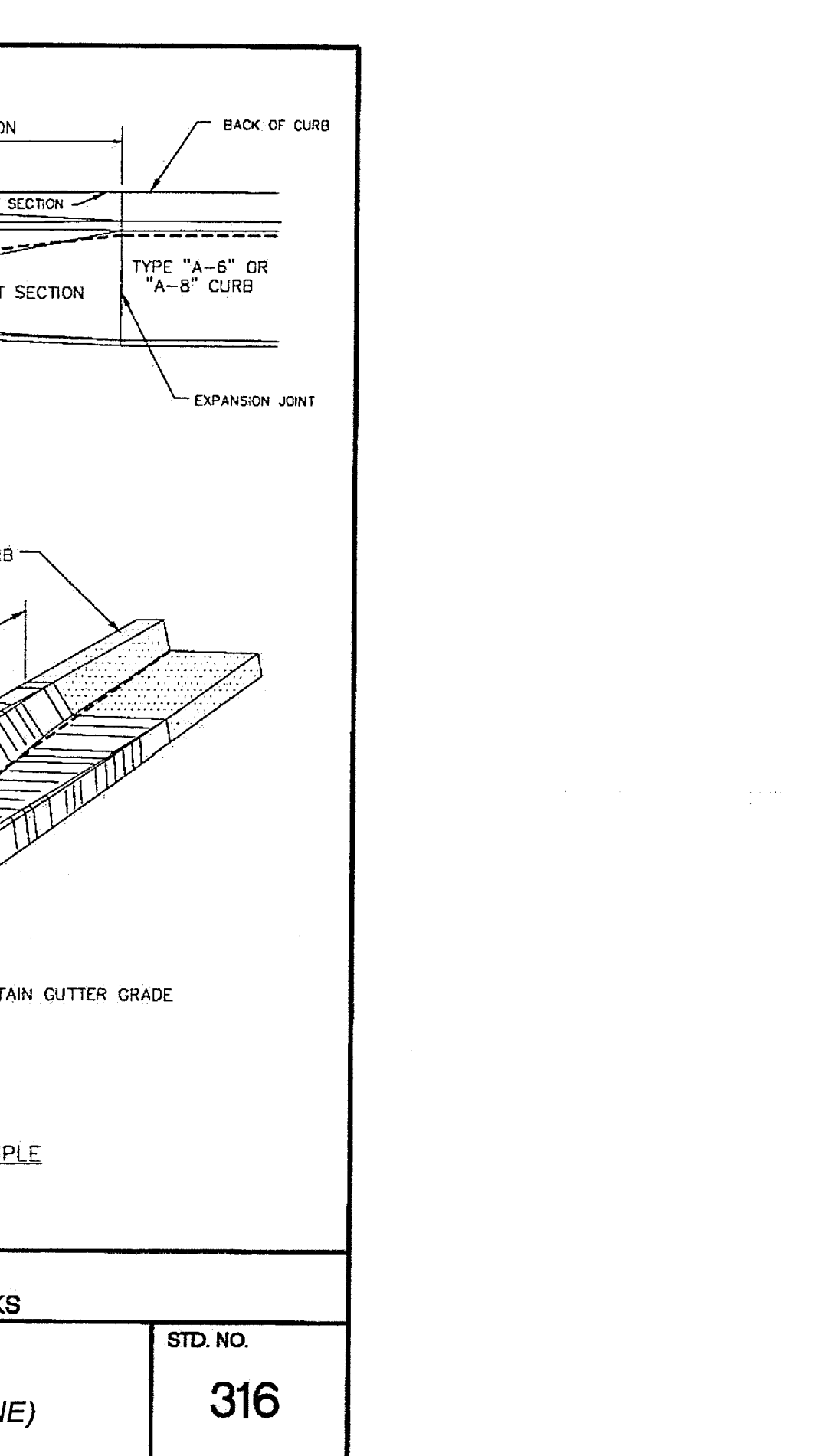
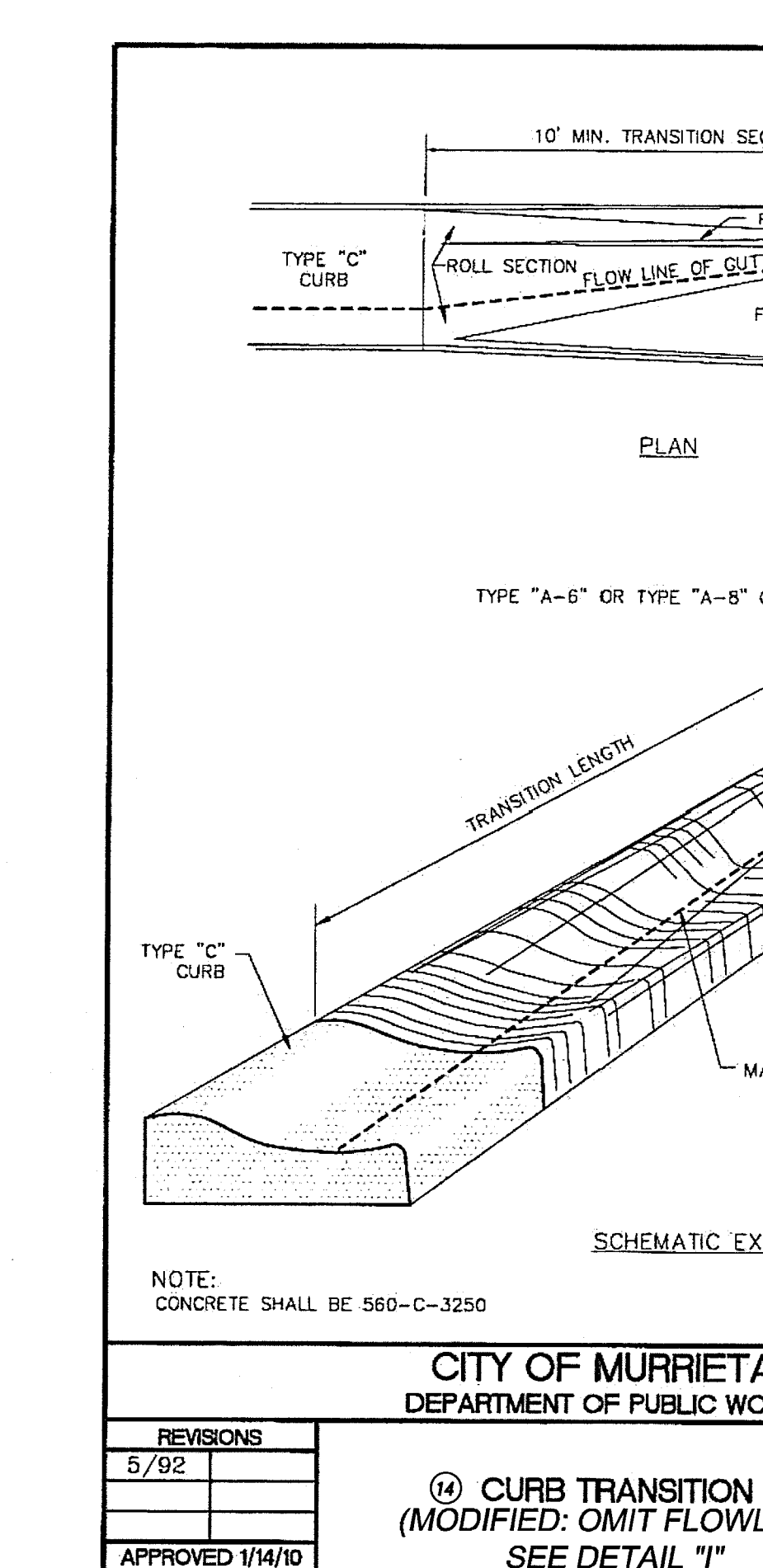
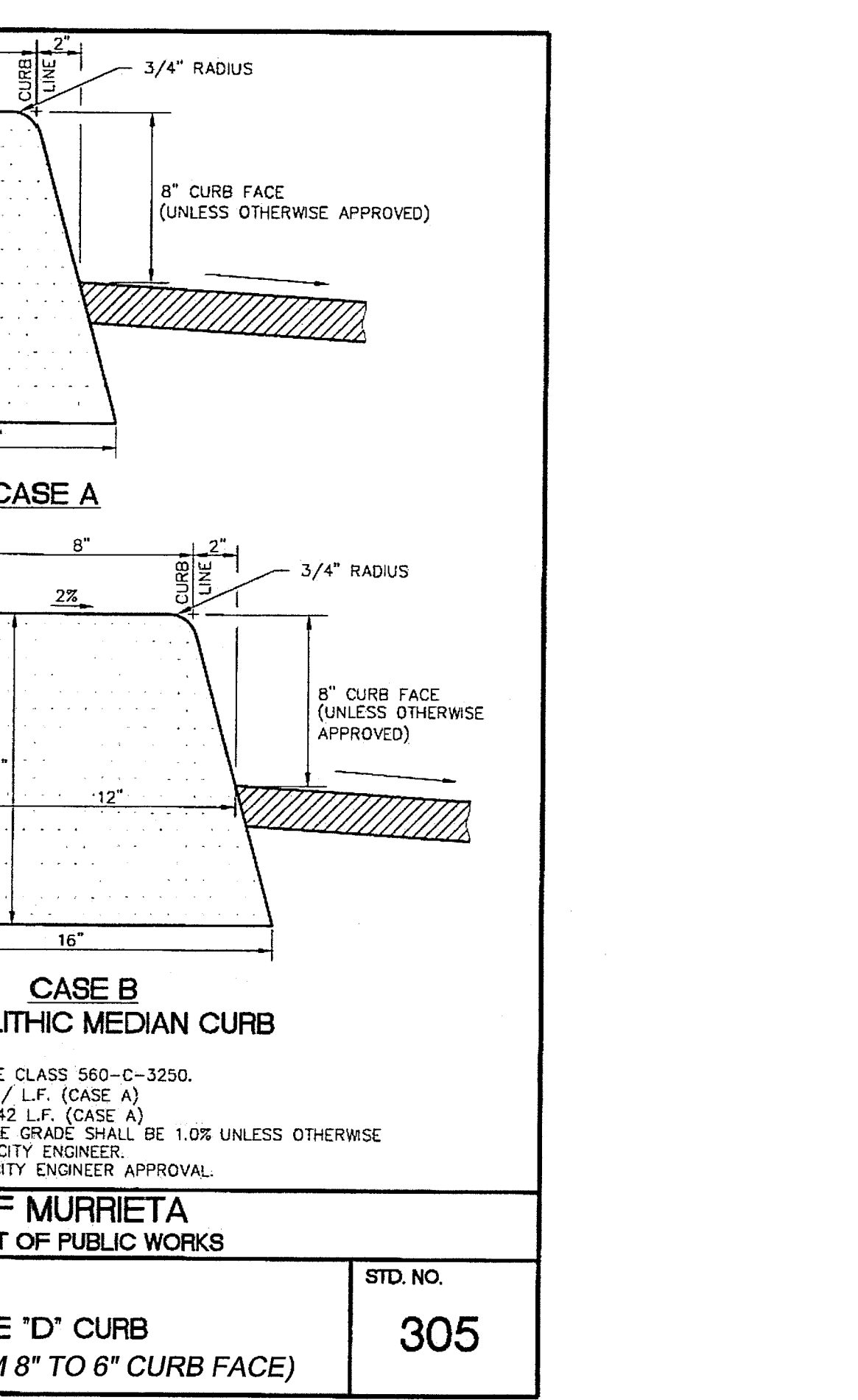
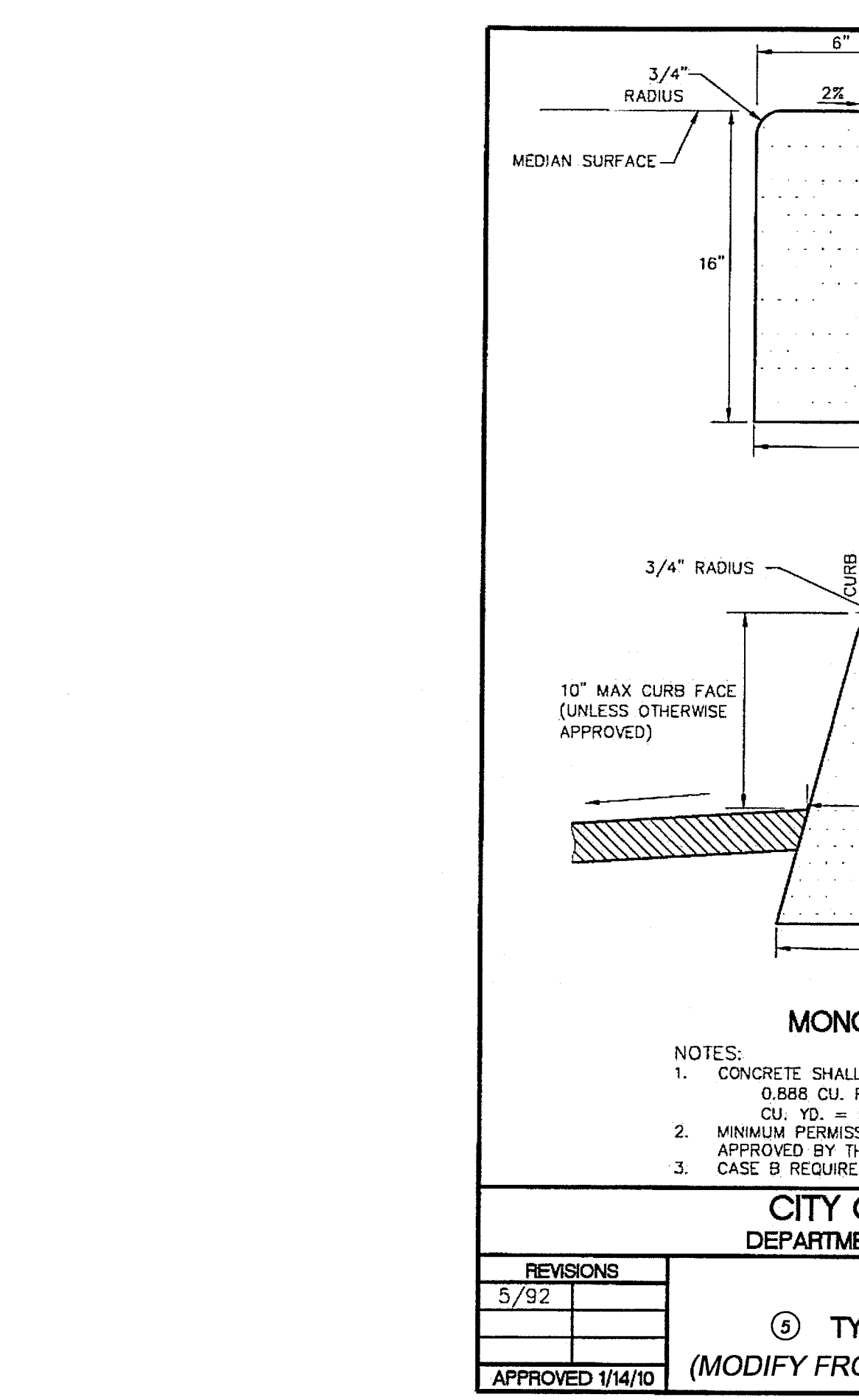
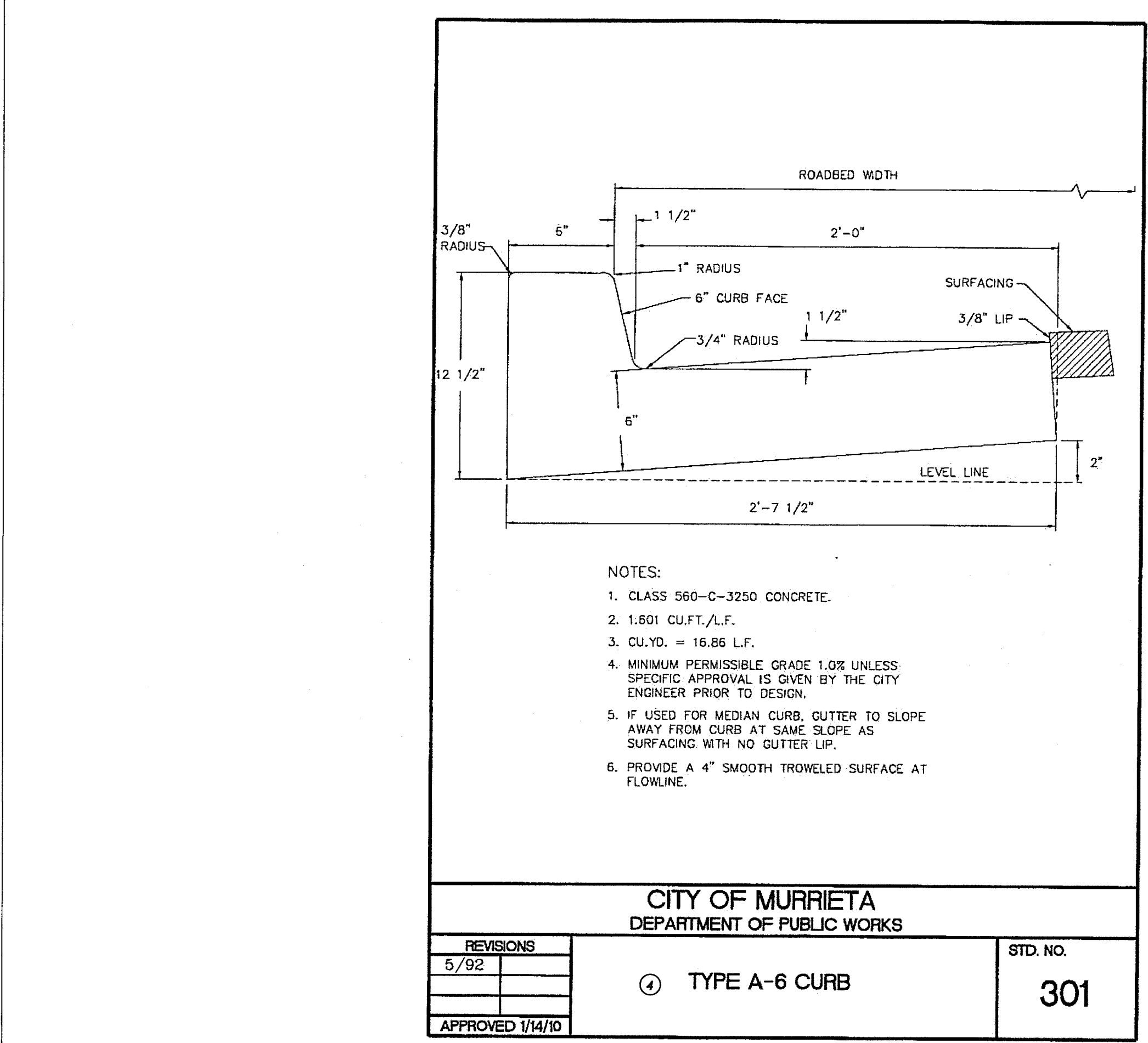
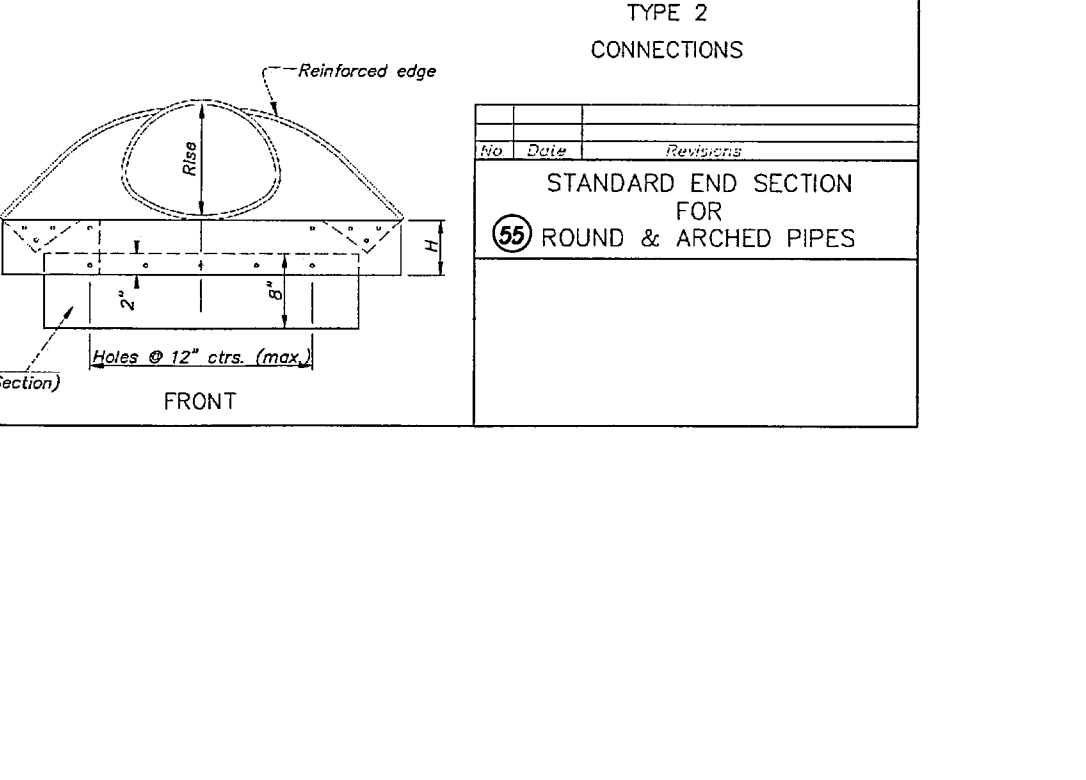
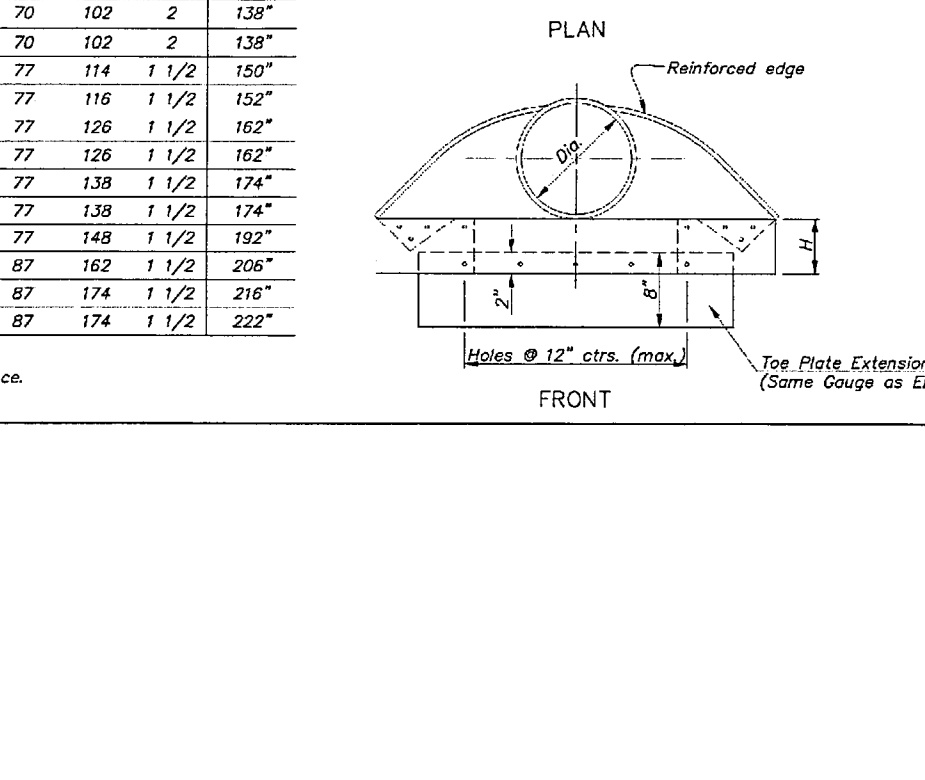
END SECTIONS FOR ROUND PIPE

Span Above	Round Equivalent	Grade	A	B	H	L	W	Slope	Overall Width
2'	18	10	4	1	3	8	12	2	20"
2'	18	14	5 3/4	5	4	14 1/2	15	2 1/2	27 1/2"
10'	12	12	7 5/8	6	6	14 1/2	20	2	32 1/2"
12'	18	25	7	6	6	21	24	2 1/2	38"
15'	18	33	8	6	6	28	30	2 1/2	46"
18'	18	42	8	10	6	31	36	2 1/2	52"
21'	18	49	9	12	6	36	42	2 1/2	60"
24'	18	55	10	13	6	41	48	2 1/2	68"
25'	14	122	12	15	6	51	60	2 1/2	84"
28'	14	144	14	19	9	60	72	2 1/2	100"
30'	12	200	16	22	11	69	84	2 1/2	116"
35'	12	375	18	27	12	78	90	2 1/2	128"
38'	14	440	18	30	12	84	102	2 1/2	138"
40'	12	610	18	33	12	87	114	2	150"
45'	12	770	18	39	12	97	126	2	162"
50'	12	910	18	45	12	107	138	1 1/2	168"
54'	12	1070	18	48	12	117	144	1 1/2	174"
60'	12	1270	18	54	12	127	156	1 1/2	186"
66'	12	1470	18	57	12	132	162	1 1/2	192"
72'	12	1670	18	57	12	132	162	1 1/2	192"
78'	12	1870	18	57	12	132	162	1 1/2	192"
84'	12	2070	18	57	12	132	162	1 1/2	192"
90'	12	2270	18	57	12	132	162	1 1/2	192"
96'	12	2470	18	57	12	132	162	1 1/2	192"



END SECTIONS FOR ARCHED PIPE

Span Above	Round Equivalent	Grade	A	B	H	L	W	Slope	Overall Width	
15x13	15"	16	25	7	9	6	19	30	2 1/2	44"
20x15	18"	16	32	7	10	6	23	36	2 1/2	50"
24x18	21"	16	42	8	12	6	28	42	2 1/2	58"
30x20	24"	16	52	9	14	6	35	48	2 1/2	66"
36x24	30"	14	62	10	16	6	39	60	2 1/2	80"
42x28	36"	14	72	12	18	9	46	72	2 1/2	90"
48x33	42"	12	82	12	21	12	53	84	2 1/2	102"
54x36	48"	12	92	12	24	12	61	90	2 1/2	108"
60x41	54"	12	102	12	27	12	69	96	2 1/2	114"
66x45	60"	12	112	12	30	12	75	102	2	120"
72x48	66"	12	122	12	33	12	81	108	2	126"
78x51	72"	12	132	12	36	12	87	114	1 1/2	132"
84x54	78"	12	142	12	39	12	93	120	1 1/2	138"
90x57	84"	12	152	12	42	12	99	126	1 1/2	144"
96x60	90"	12	162	12	45	12	105	132	1 1/2	150"
102x63	96"	12	172	12	48	12	111	138	1 1/2	156"
108x66	102"	12	182	12	51	12	117	144	1 1/2	162"
114x69	108"	12	192	12	54	12	123	150	1 1/2	168"
120x72	114"	12	202	12	57	12	129	156	1 1/2	174"



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OFFICE OF REGULATION SERVICES
APPL # 04-115979
AC FILS SS
DATE: APR 12 2017

DETAILS

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/12/2017

Apr 11 07:20:07 AM 4/11/17 J:\0409 Alta Murrieta ESP_Civil 3D\PLAN - DISTIE_L04_09-C6-01_00.dwg by substation on SYSTEMS

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

KEYNOTES

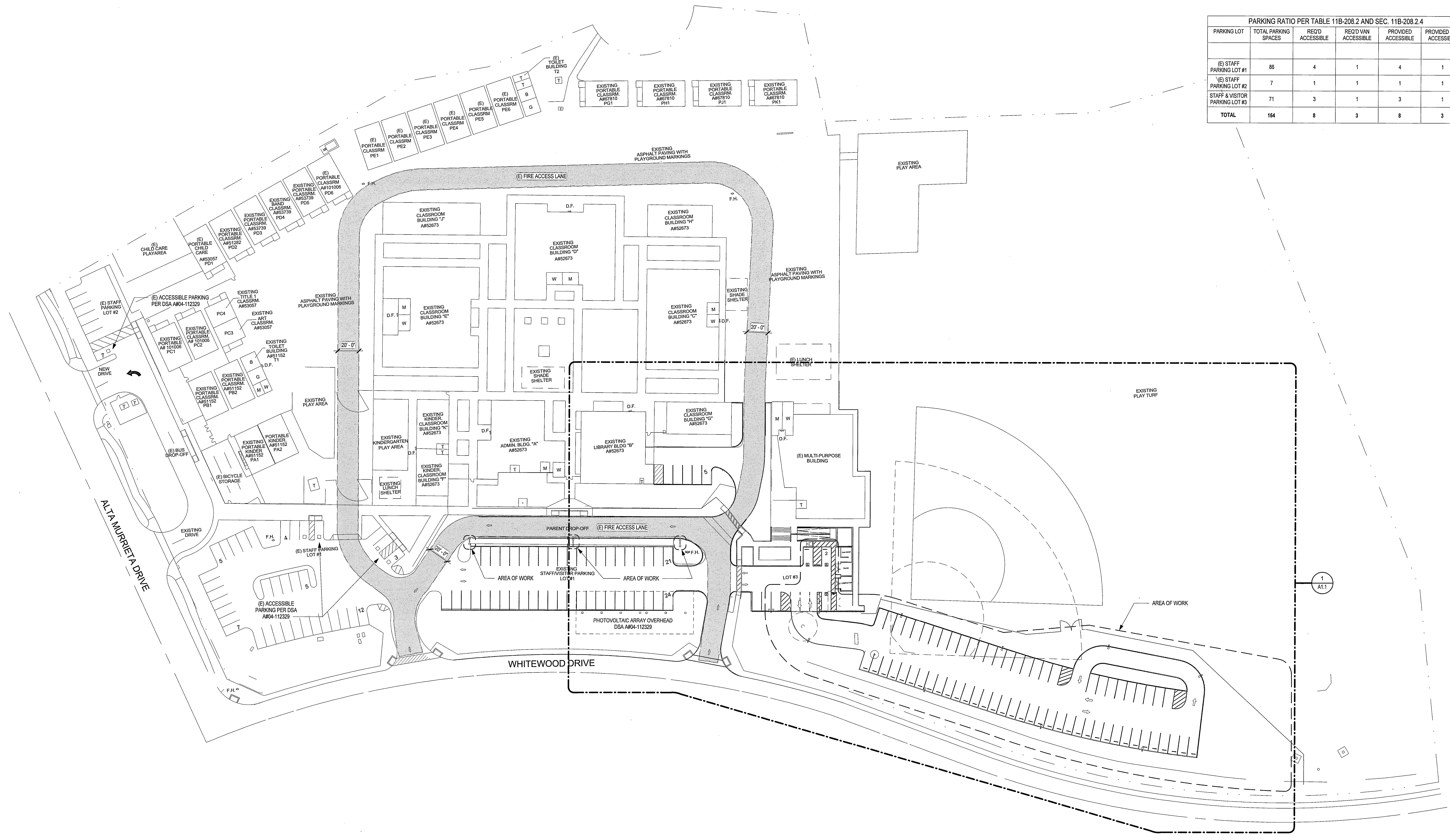
LEGEND

PARKING LOT	TOTAL PARKING SPACES	REQ'D ACCESSIBLE	REQ'D VAN ACCESSIBLE	PROVIDED ACCESSIBLE	PROVIDED VAN ACCESSIBLE
(E) STAFF PARKING LOT #1	86	4	1	4	1
(E) STAFF PARKING LOT #2	7	1	1	1	1
STAFF & VISITOR PARKING LOT #3	71	3	1	3	1
TOTAL	164	8	3	8	3

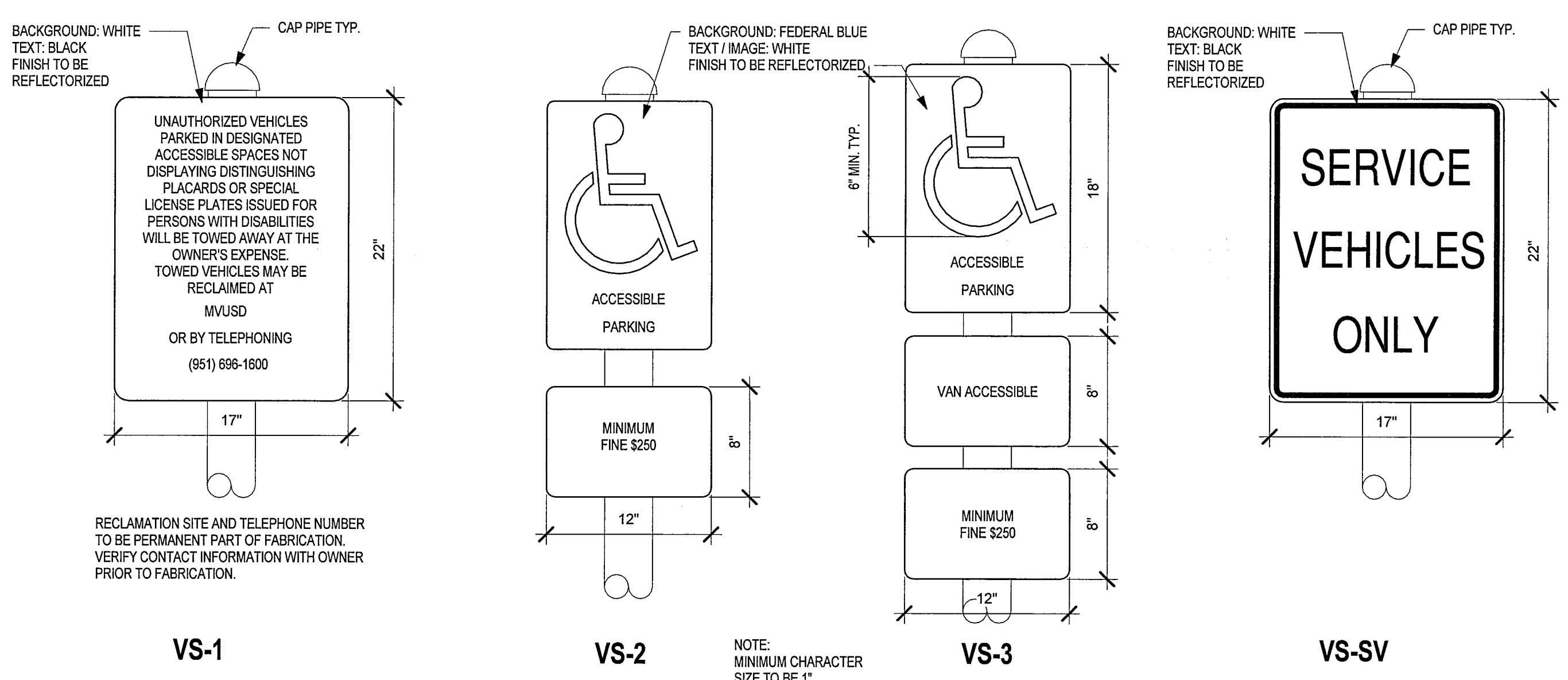
PROPERTY LINE

(E) LANDSCAPE
(E) LANDSCAPE - TURF
ASPHALT - 321216

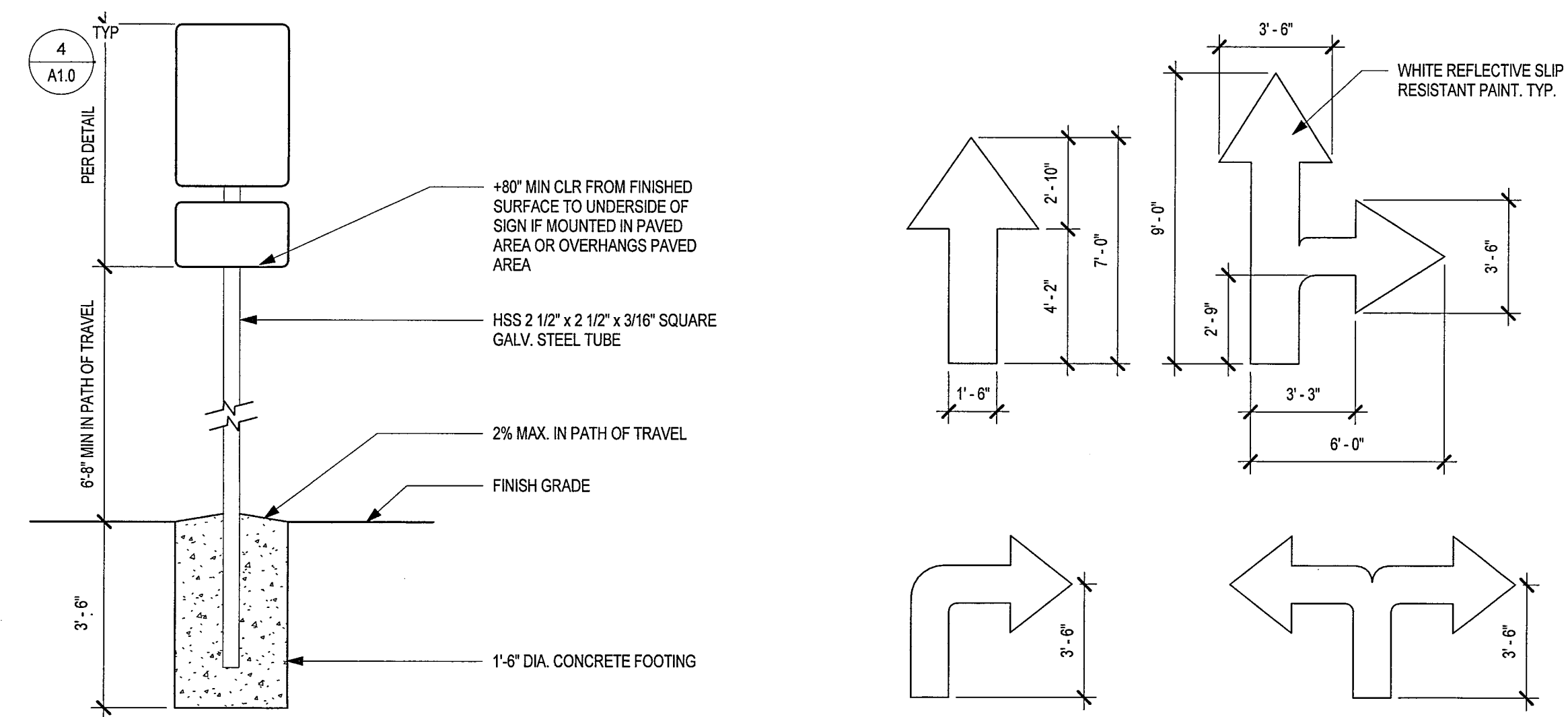
- GENERAL NOTES
- 1:12 MAX. SLOPE FOR A CURVED RAMP IS MEASURED AT FACE OF GUIDE CURB/GUIDERAIL ON THE TIGHTER CURVATURE SIDE.
 - SEE 404.0 FOR SITE SIGNAGE DETAILS.
 - REFER TO CIVIL SHEETS FOR ALL SLOPES, ELEVATIONS, AND HORIZONTAL CONTROL DIMENSIONS.
 - SEE ELECTRICAL SHEETS FOR SITE LIGHTING.
 - SEE CIVIL SHEET 06.1 FOR CURB TYPES AND DETAILS.



1 SITE PLAN-OVERALL
1" = 40'-0"



4 VEHICLE CONTROL SIGNAGE
1 1/2" = 1'-0"



3 POST-MOUNTED SITE SIGNAGE
1 1/2" = 1'-0"

2 PAVEMENT DIRECTIONAL MARKING
1/4" = 1'-0"

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APPL # 04-115979

AC FLS DT SS

DATE: APR 12 2017

OVERALL SITE PLAN

NO.	DATE	ISSUE	PROJECT NO:	16041-00
			DATE:	4/12/2017

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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

KEYNOTES

LEGEND
PROPERTY LINE

(E) LANDSCAPE
(E) LANDSCAPE - TURF
ASPHALT - 32126

GENERAL NOTES

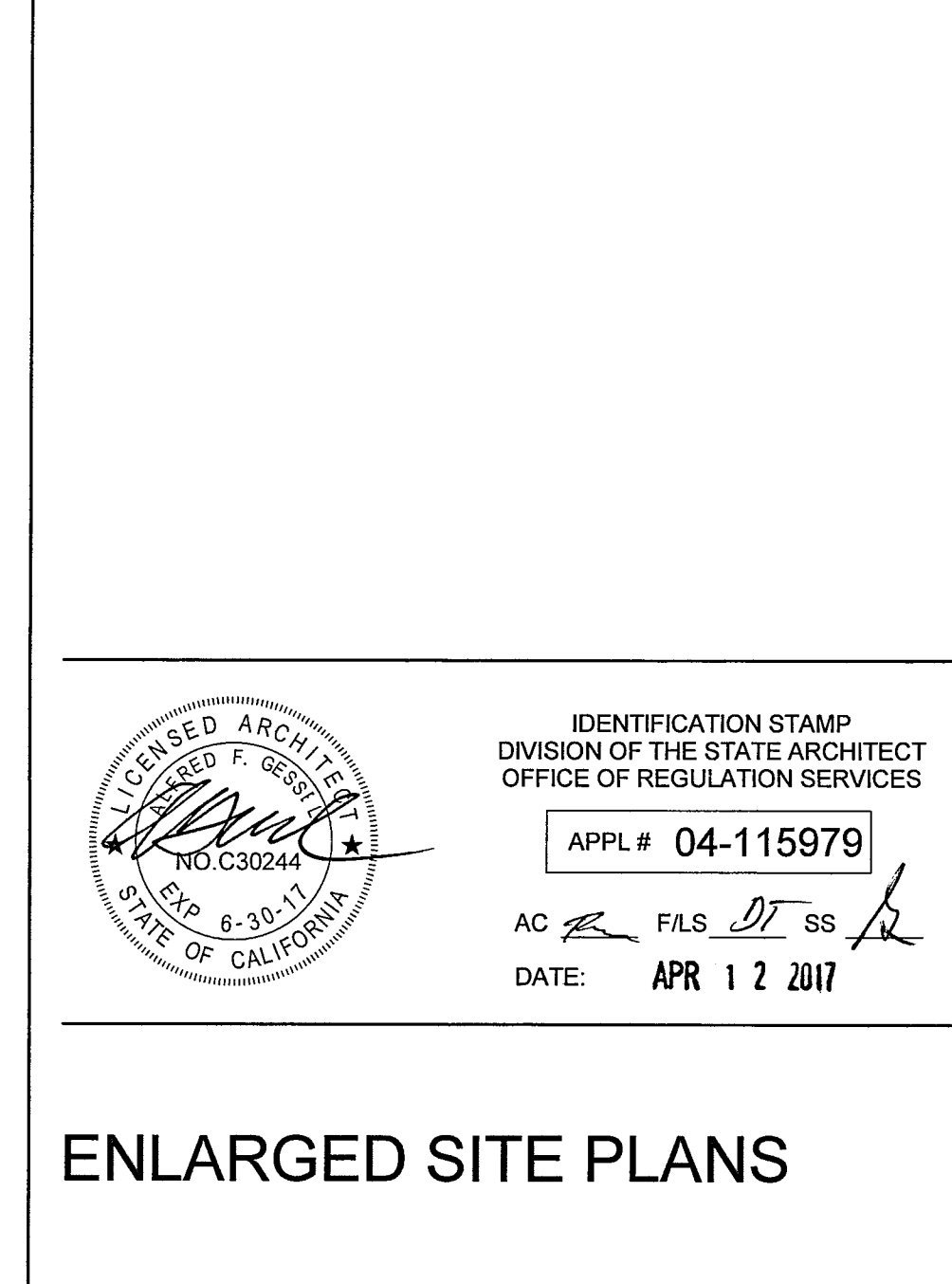
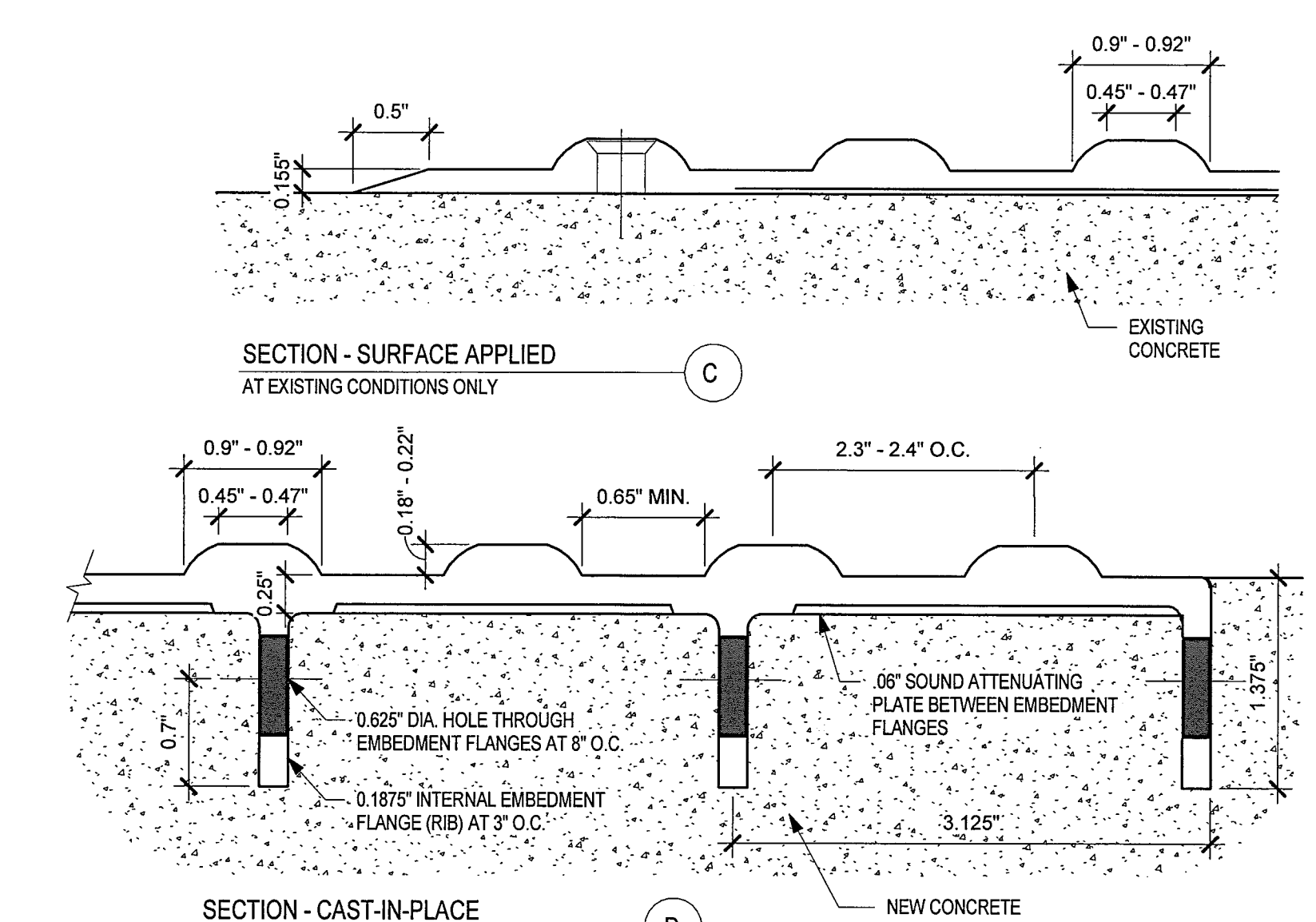
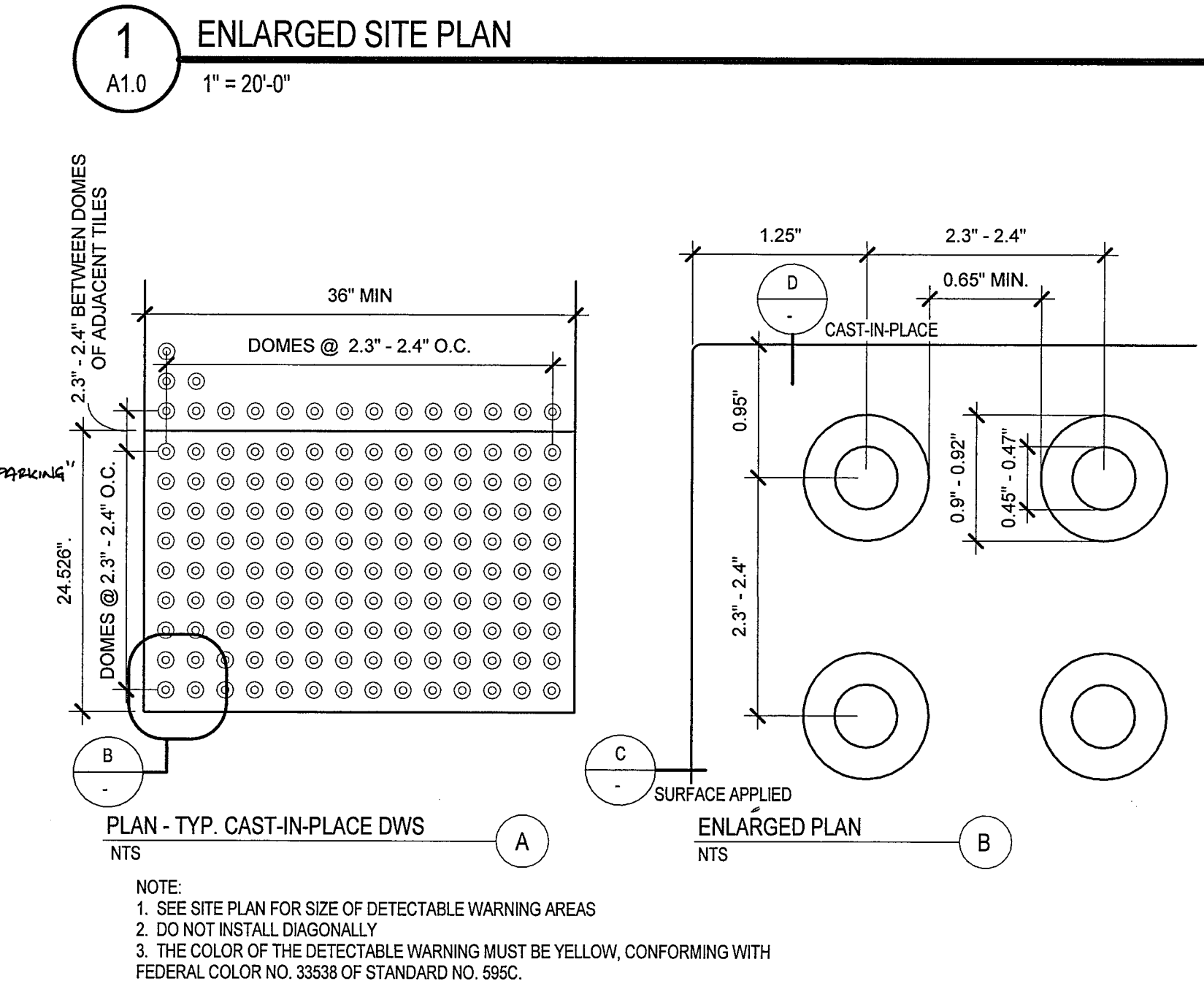
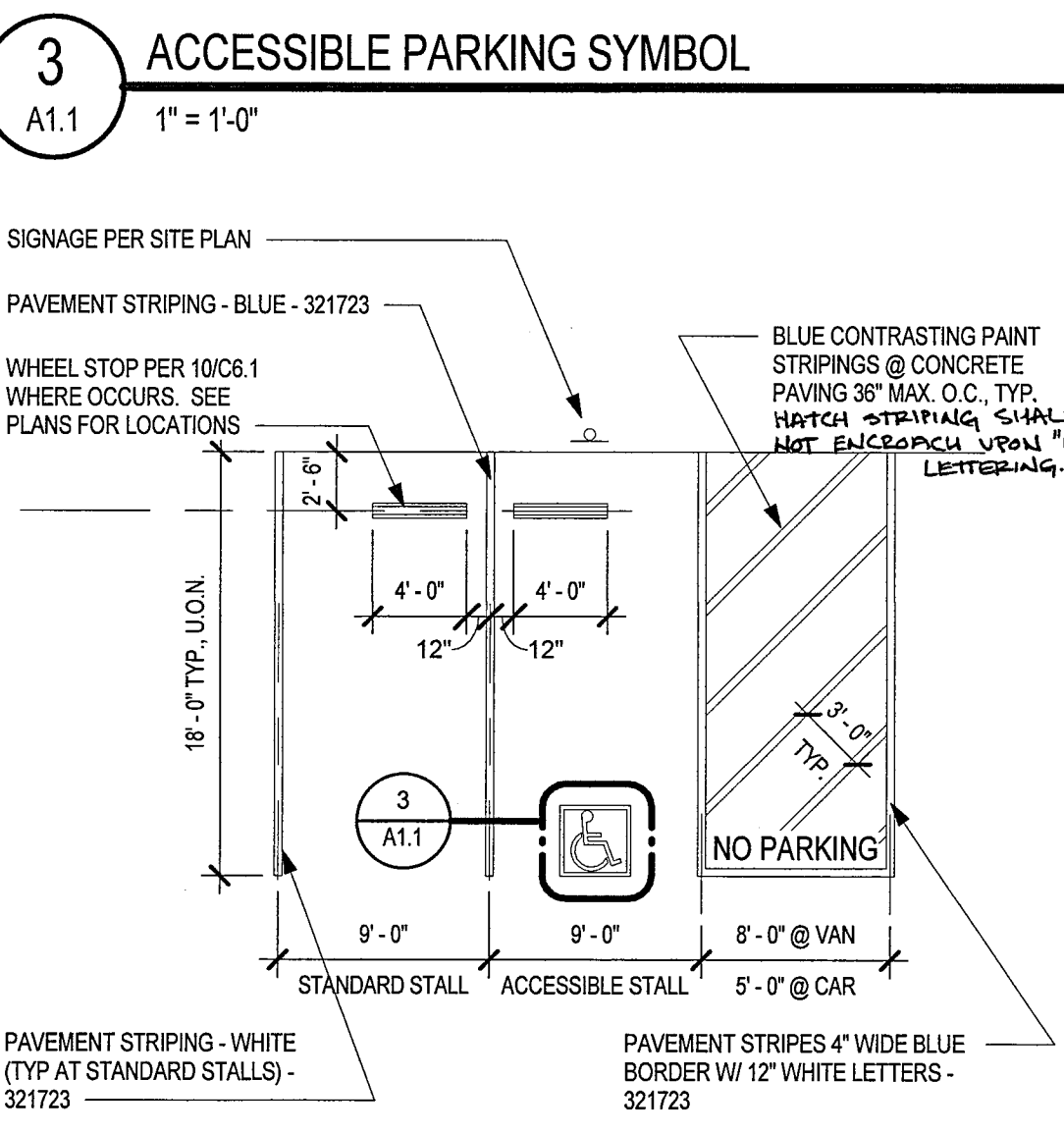
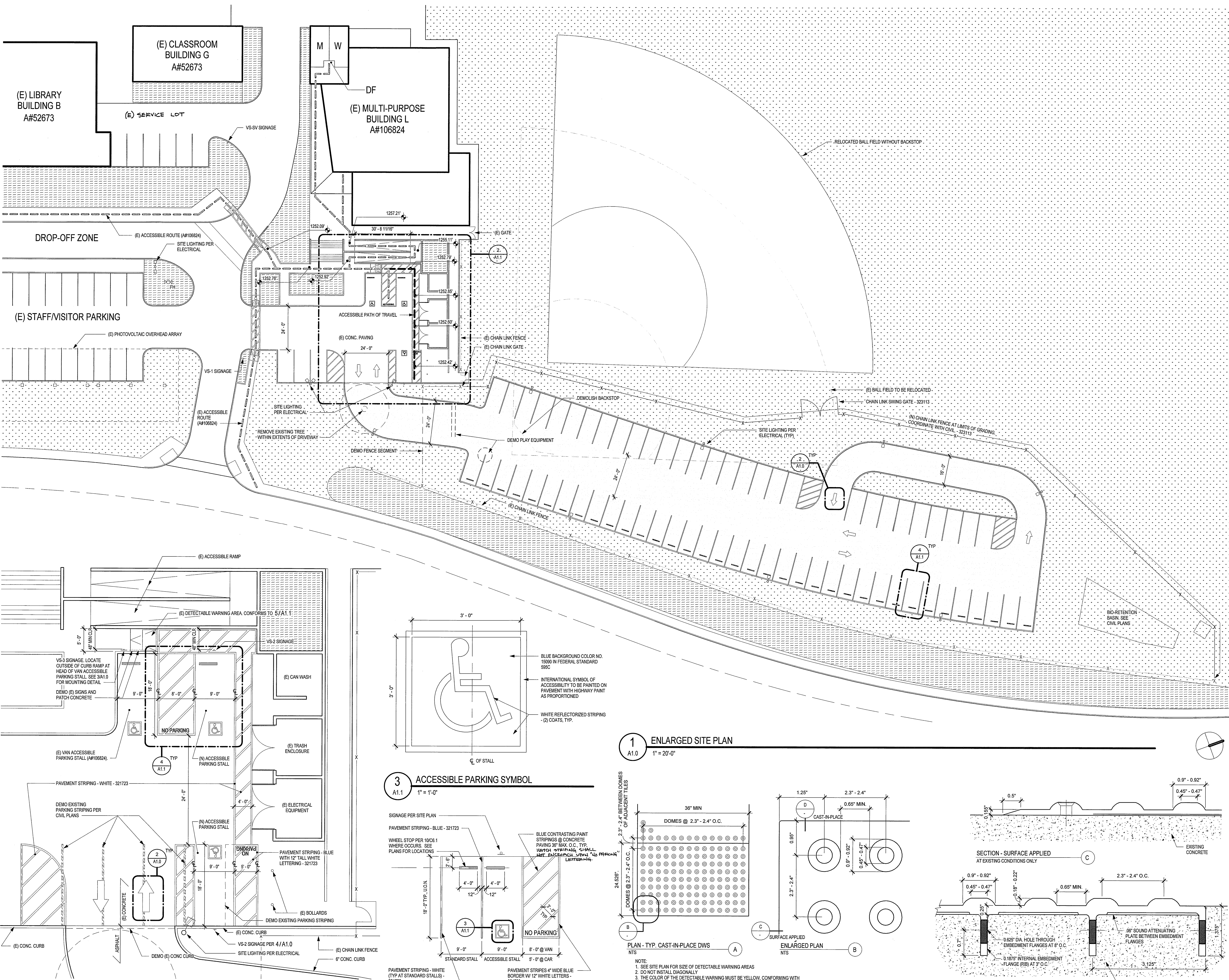
1. 1:12 MAX. SLOPE FOR A CURVED RAMP IS MEASURED AT FACE OF GUIDECURB/GUIDERAIL ON THE TIGHTER CURVATURE SIDE.
2. SEE A11.0 FOR SITE SIGNAGE DETAILS.
3. REFER TO CIVIL SHEETS FOR ALL SLOPES, ELEVATIONS, AND HORIZONTAL CONTROL DIMENSIONS.
4. SEE ELECTRICAL SHEETS FOR SITE LIGHTING.
5. SEE CIVIL SHEET 05.1 FOR CURB TYPES AND DETAILS.

ACCESSIBILITY NOTES

1. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT (1) HAVE BEEN IDENTIFIED AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
2. THE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS COMPLYING WITH THE FOLLOWING: CHANGES IN LEVEL UP TO 1/4" MAX. SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT (11B-303.2); CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 (11B-303.3); SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT (11B-302.1); THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 AND THE CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 (11B-403.3); THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 48" (WITH EXCEPTIONS) (11B-403.5.1); OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY IN THE CIRCULATION PATH (11B-307.2); CONTRACTOR AND ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B.
3. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
4. MANEUVERING CLEARANCES AREA AT ALL ACCESSIBLE GATES SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS WITHIN DASHED BOUNDARY, PER CBC FIG. 11B-404.2.4.1.

LEGEND

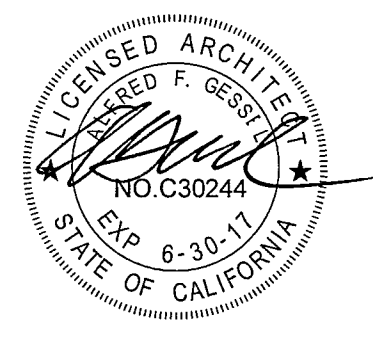
ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON MATERIAL, SLOPES AND ELEVATIONS.
EXISTING ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED.
M W MENS AND WOMEN'S RESTROOM LOCATIONS



ENLARGED SITE PLANS

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

DRAWING
A1.1



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DATE: APR 12 2017

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ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMF 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
COI	CONTRACTOR FURNISHED OWNER INSTALLED
COI	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
GND	GROUND
GND/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HP	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTS	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OC	OWNER FURNISHED CONTRACTOR INSTALLED
FOI	OWNER FURNISHED OWNER INSTALLED
F	PHASE
FOC	POINT OF CONNECTION
FRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAAMPERS
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 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.
	FLUORESCENT STRIP LIGHT
	EXTERIOR SITE LIGHTING FIXTURE AND POLE
	EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE
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
	FUSED SWITCH
	UTILITY COMPANY METER

POWER CONTINUED

	DUPLEX RECEPTACLE, FLOOR MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED, 18" AFF. (UON)
	RECEPTACLE, WALL MOUNTED HORIZONTALLY, 18" AFF. (UON)
	FOURPLEX RECEPTACLE, WALL MOUNTED, 18" AFF. (UON)
	RECEPTACLE MOUNTED 16" ABOVE COUNTER BACKSPASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
	PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
	SINGLE RECEPTACLE, WALL MOUNTED 18" AFF. (UON)
	SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED 11'-0" AFF. (UON)
	SWITCH CONTROLLED DUPLEX RECEPTACLE 18" AFF. (UON)
	DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE 18" AFF. (UON)
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT 18" AFF. (UON)
	DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE 18" AFF. (UON)
	DUPLEX RECEPTACLE IN WEATHERPROOF 'LOCKING' ENCLOSURE 18" AFF. (UON) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
	DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED 18" AFF. (UON)
	FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED 18" AFF. (UON)
	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
	JUNCTION BOX, CEILING OR WALL MOUNTED
	HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUNTING HEIGHT.
	FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
	MANUAL MOTOR STARTER 1/2 HP OR ON EQUIPMENT (UON)
	MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER
	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 UON #2 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #2
	3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
	BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, RECESSED
	STEP-DOWN TRANSFORMER
	DISTRIBUTION SWITCHBOARD
	SURFACE MOUNTED RACEWAY SINGLE SECTION SERIES, NON METALLIC (WHITE)
	SURFACE MOUNTED RACEWAY TWO SECTION SERIES, NON METALLIC (WHITE)
	SURFACE MOUNTED RACEWAY THREE SECTION SERIES, NON METALLIC (WHITE)

GENERAL PROJECT NOTES

- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- "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.
- FOR TWO STORY BUILDING CONSTRUCTION, NO CONDUITS SHALL BE ROUTED HORIZONTALLY WITHIN THE FLOOR SLAB OF THE SECOND FLOOR.
- 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.18 THROUGH 1616A.126 AND ASCE 7-10 CHAPTER 13, 16 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 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.

- 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.
- 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.

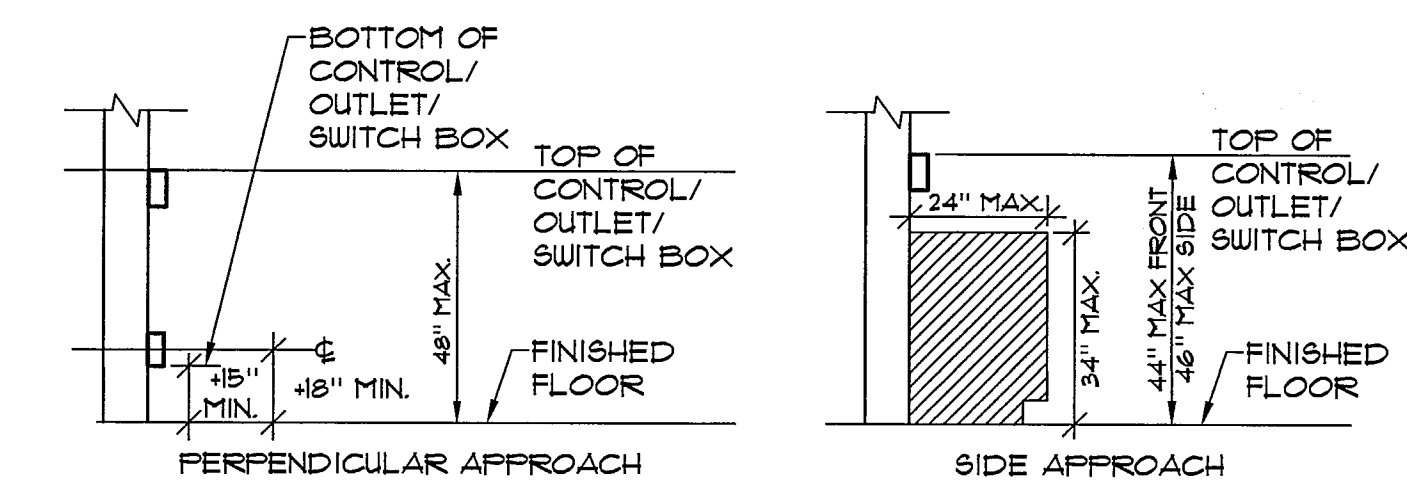
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DERIVED IN ASCE 7-10 SECTION 13.6.2, 13.6.1, 13.6.5.6, AND 2016 CBC, SECTIONS 1616A.123, 1616A.124, 1616A.125 AND 1616A.126.

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 #).

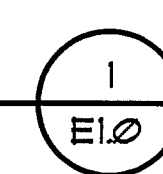
COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



NOTE: MAINTAIN MINIMUM 30"x48" CLEAR FLOOR SPACE AT EACH APPROACH.
MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE



KEYNOTES

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16-092 3/28/2017

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AC 22 FLS 27 SS 1
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OVERALL SITE PLAN

NO. DATE ISSUE PROJECT NO: 16041-00
DATE: 4/1/2017

DRAWING

E1.0

STATE OF CALIFORNIA OUTDOOR LIGHTING (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 1 of 4) Project Address: 19475 WHITEWOOD RD, MURRIETA, CA 92564 Total Illuminated Hardscape Area: 49224

STATE OF CALIFORNIA OUTDOOR LIGHTING (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 2 of 4) G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b) H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

STATE OF CALIFORNIA OUTDOOR LIGHTING (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 3 of 4) I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

STATE OF CALIFORNIA OUTDOOR LIGHTING (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 4 of 4) DOCUMENTATION AUTHOR'S DECLARATION STATEMENT RESPONSIBLE PERSON'S DECLARATION STATEMENT

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 1 of 3) A. Mandatory Outdoor Lighting Control Declaration Statements

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 2 of 3) B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 3 of 3) DOCUMENTATION AUTHOR'S DECLARATION STATEMENT RESPONSIBLE PERSON'S DECLARATION STATEMENT

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 1 of 4) A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

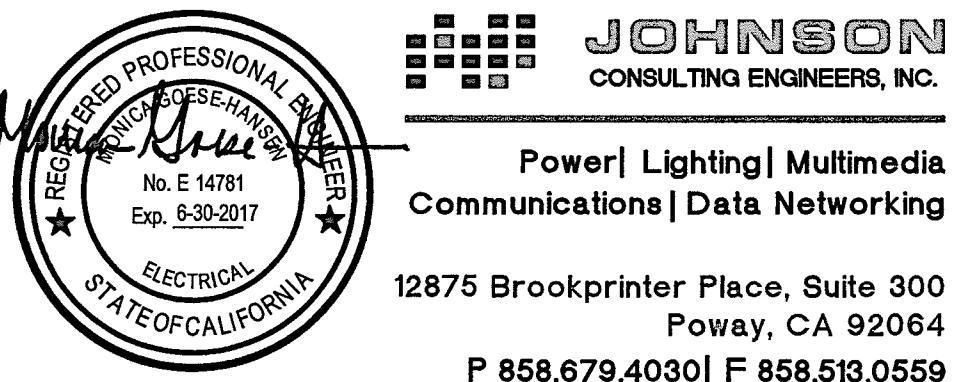
STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 2 of 4) C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS C-1. WATTAGE ALLOWANCE PER APPLICATION - Table 140.7-B C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 3 of 4) C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) - Table 140.7-B C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES (REGULATIONS (Pursuant to 97920)) CERTIFICATE OF COMPLIANCE NRCCLTD-03-E (Page 4 of 4) DOCUMENTATION AUTHOR'S DECLARATION STATEMENT RESPONSIBLE PERSON'S DECLARATION STATEMENT



731 Ninth Avenue, Suite A, San Diego, California 92101 619.795.2450 www.bn.designstudio.com MURRIETA VALLEY UNIFIED SCHOOL DISTRICT ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION KEYNOTES



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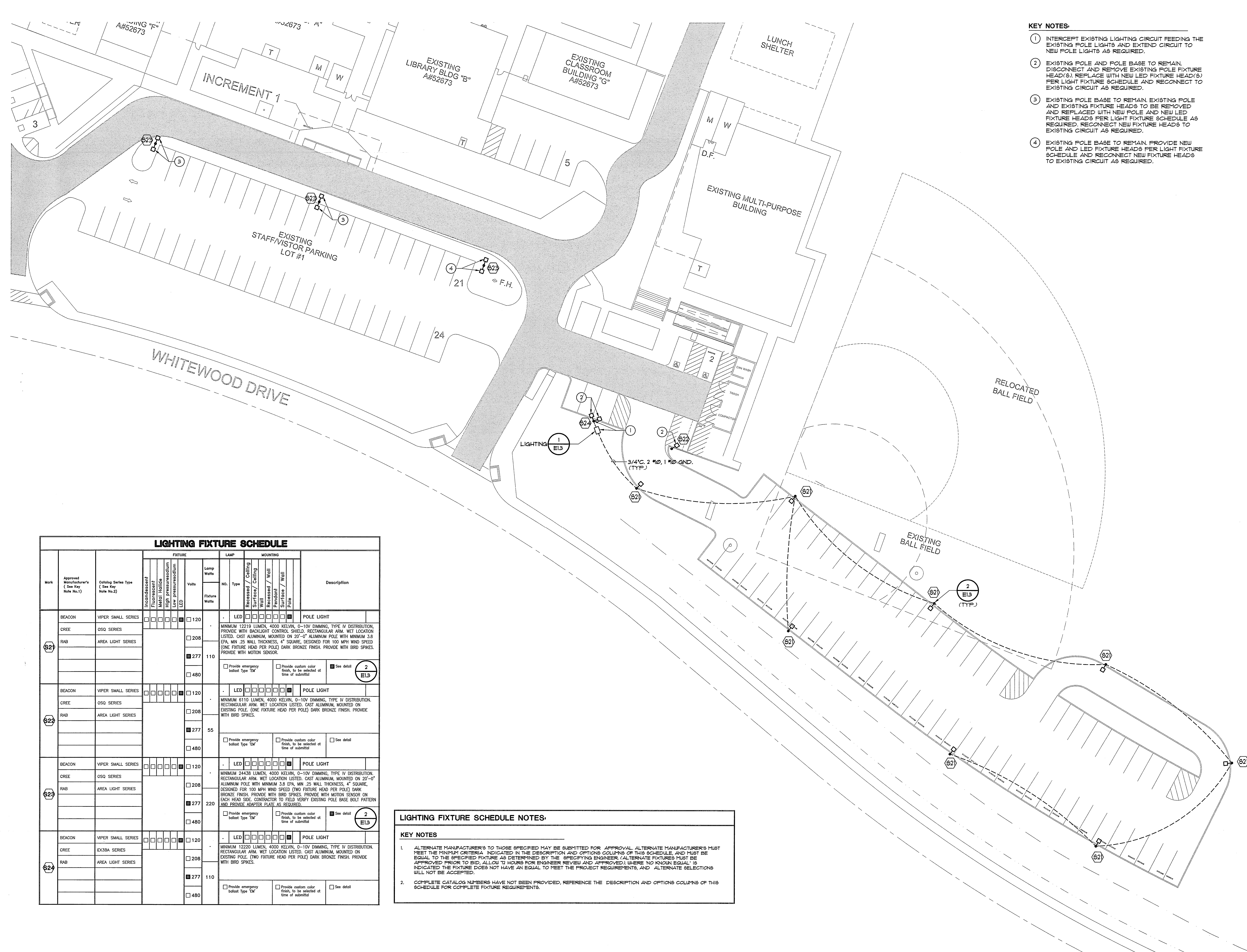
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NO. DATE ISSUE PROJECT NO: 16041-00 DATE: 4/1/2017

DRAWING E1.1

KEY NOTES:

- 1 INTERCEPT EXISTING LIGHTING CIRCUIT FEEDING THE EXISTING POLE LIGHTS AND EXTEND CIRCUIT TO NEW POLE LIGHTS AS REQUIRED.
- 2 EXISTING POLE AND POLE BASE TO REMAIN. DISCONNECT AND REMOVE EXISTING POLE FIXTURE HEAD(S). REPLACE WITH NEW LED FIXTURE HEAD(S) PER LIGHT FIXTURE SCHEDULE AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED.
- 3 EXISTING POLE BASE TO REMAIN. EXISTING POLE AND EXISTING FIXTURE HEADS TO BE REMOVED AND REPLACED WITH NEW POLE AND NEW LED FIXTURE HEADS PER LIGHT FIXTURE SCHEDULE AS REQUIRED. RECONNECT NEW FIXTURE HEADS TO EXISTING CIRCUIT AS REQUIRED.
- 4 EXISTING POLE BASE TO REMAIN. PROVIDE NEW POLE AND LED FIXTURE HEADS PER LIGHT FIXTURE SCHEDULE AND RECONNECT NEW FIXTURE HEADS TO EXISTING CIRCUIT AS REQUIRED.



LIGHTING FIXTURE SCHEDULE														
Mark	Approved Manufacturer's (See Key Note No.1)	Catalog Series Type (See Key Note No.2)	FIXTURE				Lamp Watts	LAMP	MOUNTING				Description	
			Incandescent	Fluorescent	High Pressure Sodium	LED			No.	Type	Recessed / Ceiling	Wall		Pendant
S21	BEACON	VIPER SMALL SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	120	LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	POLE LIGHT	
	CREE	OSQ SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	208		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	RAB	AREA LIGHT SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	55		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
S22	BEACON	VIPER SMALL SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	120	LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	POLE LIGHT	
	CREE	OSQ SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	208		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	RAB	AREA LIGHT SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	55		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
S23	BEACON	VIPER SMALL SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	120	LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	POLE LIGHT	
	CREE	OSQ SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	208		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	RAB	AREA LIGHT SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	220		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
S24	BEACON	VIPER SMALL SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	120	LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	POLE LIGHT	
	CREE	EX3BA SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	208		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	RAB	AREA LIGHT SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	277	110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	480		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

LIGHTING FIXTURE SCHEDULE NOTES:

KEY NOTES

1. ALTERNATE MANUFACTURER'S TO THOSE SPECIFIED MAY BE SUBMITTED FOR APPROVAL. ALTERNATE MANUFACTURER'S MUST MEET THE MINIMUM CRITERIA INDICATED IN THE DESCRIPTION AND OPTIONS COLUMNS OF THIS SCHEDULE, AND MUST BE EQUAL TO THE SPECIFIED FIXTURE AS DETERMINED BY THE SPECIFYING ENGINEER. ALTERNATE FIXTURES MUST BE APPROVED PRIOR TO BID, ALLOW 72 HOURS FOR ENGINEER REVIEW AND APPROVAL. WHERE NO KNOWN EQUAL IS INDICATED THE FIXTURE DOES NOT HAVE AN EQUAL TO MEET THE PROJECT REQUIREMENTS, AND ALTERNATE SELECTIONS WILL NOT BE ACCEPTED.
2. COMPLETE CATALOG NUMBERS HAVE NOT BEEN PROVIDED, REFERENCE THE DESCRIPTION AND OPTIONS COLUMNS OF THIS SCHEDULE FOR COMPLETE FIXTURE REQUIREMENTS.

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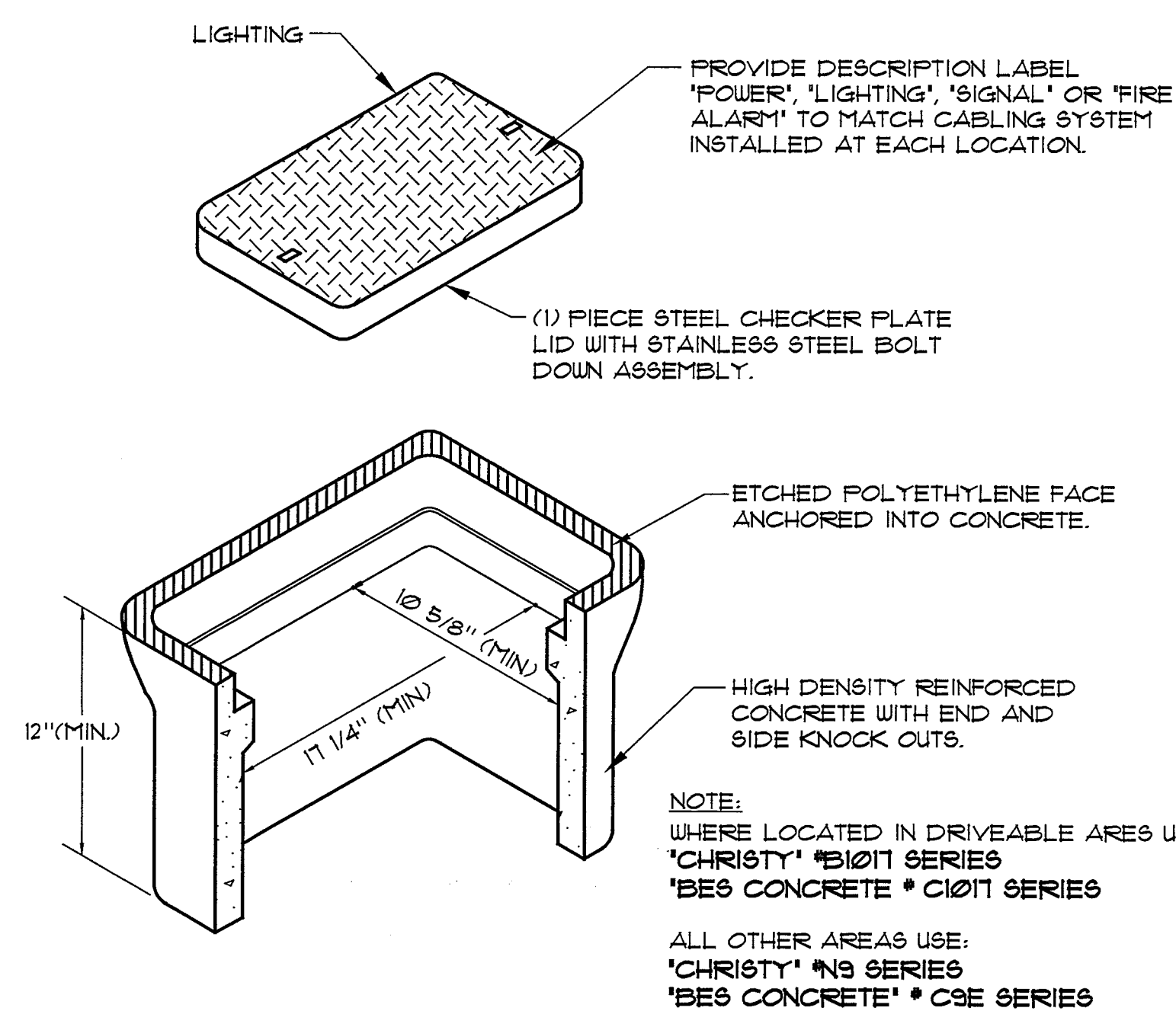
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PARTIAL SITE PLAN & LIGHT FIXTURE SCHEDULE

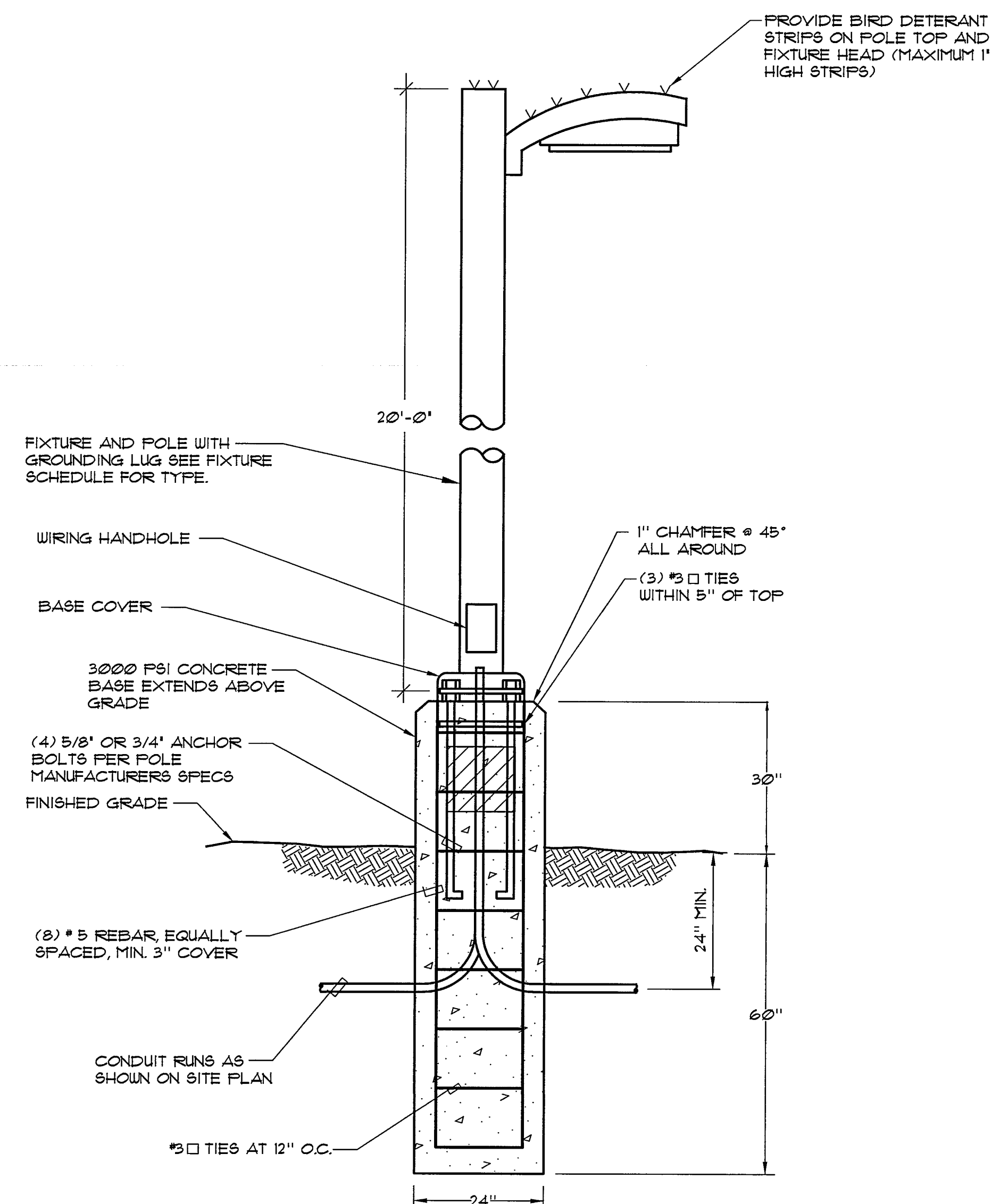
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UNDERGROUND PULLBOX STYLE 'A'

NO SCALE

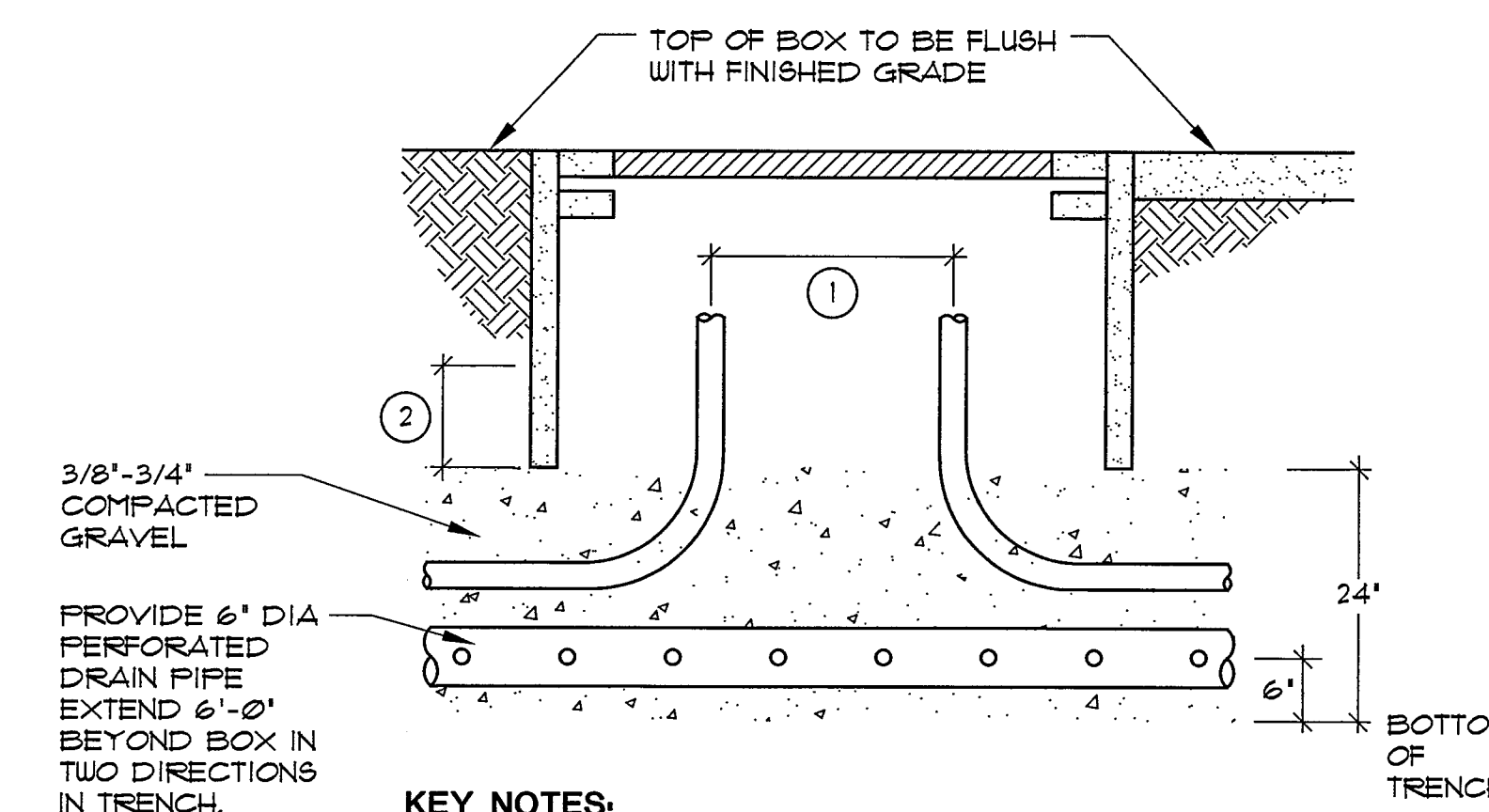
1
E1.3



CONCRETE BASE AND POLE DETAIL

NO SCALE

2
E1.3



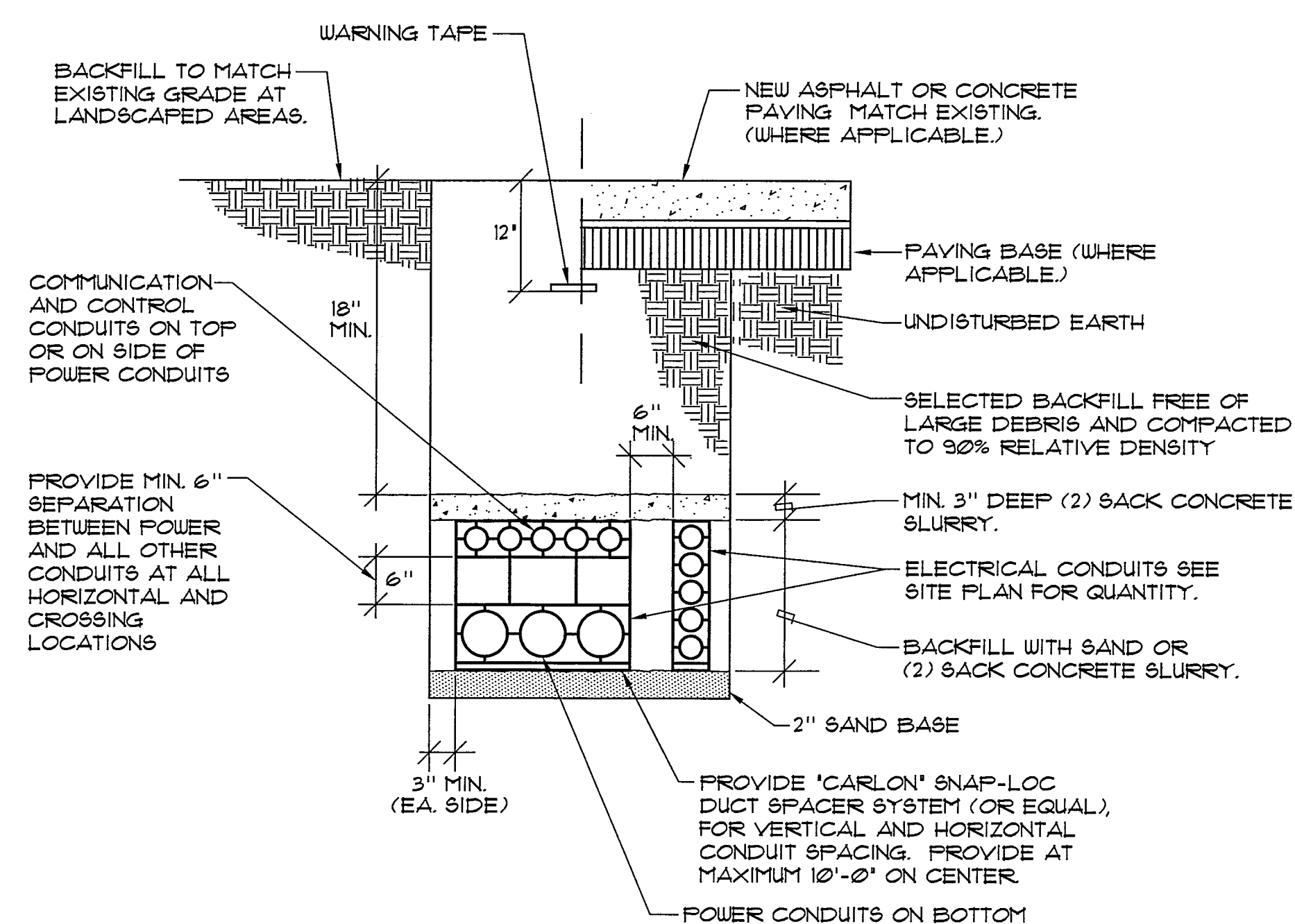
KEY NOTES:

- 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
E1.3



TYPICAL TRENCH DETAIL

NO SCALE

4
E1.3

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ELECTRICAL DETAILS

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E1.3