

# MOUNTAIN VIEW ACADEMY - CIVIL CONSTRUCTION DOCUMENTS

TRACT H, CLAREMONT RANCH - SECTION 4, FILING NO. 4  
 LOCATED IN THE NORTHEAST QUARTER OF SECTION 4  
 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN  
 COUNTY OF EL PASO, STATE OF COLORADO  
 7.88 ACRES  
 2103 MEADOWBROOK PARKWAY  
 COLORADO SPRINGS, COLORADO, 80951

THIS AND ANY OTHER ELECTRONIC MEDIA CONTAINED HEREIN IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A BERNER PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE USED FOR ANY OTHER PROJECT OR FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND DATA PROVIDED HEREIN. MERRICK AND COMPANY SHALL BE AT THE USER'S RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY LOSS OF USE.

File Location: Q:\DEN\Projects\0389-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\COVER.dwg Plot Date: 4/28/2020 9:47 AM Last Saved By: IRYPKEMA

**LEGEND:**

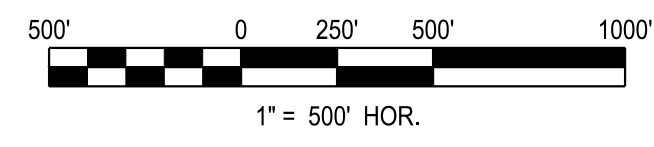
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE HYDRANT LINE
- PROPOSED 6" WATER LINE
- PROPOSED TEE FITTING
- PROPOSED 90° FITTING
- PROPOSED 45° FITTING
- PROPOSED 22.5° FITTING
- PROPOSED 11.25° FITTING
- PROPOSED VALVE
- PROPOSED METER IN MANHOLE
- PROPOSED STORM INLET
- ELECTRIC TRANSFORMER
- EXISTING FIRE HYDRANT
- EXISTING VALVE
- EXISTING WATER LINE
- EX TEE FITTING
- EX 90° FITTING
- EX 45° FITTING
- EX 22.5° FITTING
- EX 11.25° FITTING
- EASEMENT
- LOT LINE
- COURTYARD FENCE
- ELECTRIC LIGHT POLE
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY
- SIGN STEEL POST
- TELEPHONE BOX
- EXISTING PHONE
- EXISTING ELECTRIC
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING SANITARY MANHOLE
- EXISTING ELECTRIC POLE
- EXISTING INLET
- EXISTING STORM MANHOLE

**ABBREVIATIONS:**

- EX EXISTING
- STM STORM
- RCP REINFORCED CONCRETE PIPE
- SRVC SERVICE
- O.D. OUTSIDE DIAMETER
- W/ WITH
- ELEC ELECTRIC
- DIP DUCTILE IRON PIPE
- STL STEEL
- BFP BACK FLOW PREVENTER
- TIP TOP OF PIPE
- ROW RIGHT-OF-WAY
- KB KICK BLOCK
- TYP TYPICAL
- RP REDUCED PRESSURE
- WTR WATER
- SAN SANITARY
- SWR SEWER
- VERT VERTICAL

**PROJECT DIRECTORY**

- WATER AND SEWER DISTRICT  
 CHEROKEE METROPOLITAN DISTRICTS  
 6250 PALMER PARK BOULEVARD  
 COLORADO SPRINGS, CO 80915  
 JEFF MUNGER  
 P: 719-597-5080
- PUBLIC WORKS DEPARTMENT  
 EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS  
 3275 AKERS DRIVE  
 COLORADO SPRING, CO 80922  
 SCOTT CUTHBERTSON  
 P: 719-520-6460
- FIRE  
 FALCON FIRE PROTECTION DISTRICT  
 7030 OLD MERIDIAN ROAD  
 PEYTON, CO 80831  
 TRENT HARWIG  
 P: 719-495-4050
- OWNER/DEVELOPER  
 NATIONAL HERITAGE ACADEMIES  
 3850 BROADMOOR SE  
 GRAND RAPIDS, MI 49512  
 JACQUES SOUMIS  
 P: 616-285-1589
- CIVIL ENGINEER  
 MERRICK & COMPANY  
 5970 GREENWOOD PLAZA BLVD.  
 GREENWOOD VILLAGE, CO 80111  
 SCOTT ZIMMERMANN, P.E.  
 P: 303-353-3637
- SURVEYOR  
 MERRICK & COMPANY  
 5970 GREENWOOD PLAZA BLVD.  
 GREENWOOD VILLAGE, CO 80111  
 JOHN A. WILHELM  
 P: 303-353-3505
- PLANNING DEPARTMENT  
 EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT  
 2880 INTERNATIONAL CIRCLE, SUITE 110  
 COLORADO SPRINGS, CO 80910  
 LINDSAY DARDEN  
 P: 719-520-6302  
 GILBERT LaFORCE, P.E.  
 P: 719-520-7945
- PROPERTY DESCRIPTION PER SURVEY:  
 TRACT H, CLAREMONT RANCH-SECTION 4 FILING NO. 4, COUNTY OF EL PASO, STATE OF COLORADO.
- BENCHMARK:  
 ELEVATIONS ARE BASED UPON THE FIMS MONUMENT BL05, A 3-1/4" DIA. CAP MARKED "BL05" IN A RANGE BOX. ELEVATION = 6158.40 NAVD29 DATUM.
- BASIS OF BEARING:  
 BEARINGS ARE ASSUMED AND ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, AS BEARING S89°13'38"W BETWEEN THE NORTHEAST CORNER OF SAID SECTION 4, BEING A 2" DIA. STEEL PIPE WITH A 2-1/2" ALUMINUM CAP STAMPED LS# 17664 AND THE NORTH QUARTER CORNER OF SAID SECTION 4, BEING A FOUND #6 REBAR WITH A 3-1/4" ALUMINUM CAP STAMPED, LS# 4842.



Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	GENERAL NOTES
4	EXISTING CONDITIONS PLAN
5	SITE PLAN
6	HORIZONTAL CONTROL PLAN
7	HORIZONTAL CONTROL PLAN TABLES
8	SIGNAGE AND STRIPING
9	SIGNAGE AND STRIPING
10	OVERALL UTILITY EXHIBIT
11	ROAD WAY SECTIONS
12	OVERALL GRADING PLAN
13	DETAIL GRADING PLAN
14	DETAIL GRADING PLAN
15	DETAIL GRADING PLAN
16	DETAIL GRADING PLAN
17	POND GRADING PLAN
18	INTERIM GEC
19	FINAL GEC
20	DRAINAGE DETAILS
21	STORM PLAN AND PROFILE
22	ROOF DRAIN PLAN
23	STANDARD DETAILS
24	STANDARD DETAILS
25	STANDARD DETAILS
26	STANDARD DETAILS
27	STANDARD DETAILS
28	GEC - DETAILS
29	GEC - DETAILS
30	GEC - DETAILS
31	GEC - DETAILS
32	GEC - DETAILS
33	GEC - DETAILS
34	GEC - DETAILS
35	GEC - DETAILS

**EL PASO COUNTY:**

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.  
 COUNTY ENGINEER /  
 ECM ADMINISTRATOR

DATE \_\_\_\_\_

**DESIGN ENGINEER'S STATEMENT:**

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

SCOTT ZIMMERMANN, P.E. #38571 DATE \_\_\_\_\_

**OWNER/DEVELOPER'S STATEMENT:**

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

JACQUES SOUMIS  
 NATIONAL HERITAGE ACADEMIES  
 3850 BROADMOOR SE  
 GRAND RAPIDS, MI 49512

DATE \_\_\_\_\_

Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
 5970 GREENWOOD PLAZA BLVD., GREENWOOD VILLAGE, CO. 80111  
 303-751-9794  
 www.merrick.com

MOUNTAIN VIEW ACADEMY

CIVIL CONSTRUCTION DOCUMENTS

COVER SHEET

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

REV#	REVISION DESCRIPTION	DATE	CHKD	APPR

JOB NUMBER: 65120399

DATE: 4/24/2020

SHEET: **CO.0**

1 of 35



GENERAL NOTES:

- 1. ALL CONTRACTORS AND SUBCONTRACTORS SHALL HAVE A SET OF APPROVED CONSTRUCTION DOCUMENTS ON SITE AT ALL TIMES.
2. THE OWNER SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE...
3. THE PROJECT PLANS AND SPECIFICATIONS AS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, FOR AND ON BEHALF OF MERRICK AND COMPANY...

- 35. OVERLOT GRADING CONSTRUCTION MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR 'STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.' CONTACT THE COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT...
36. PAVING SHALL NOT START UNTIL A SOILS REPORT AND PAVEMENT DESIGN IS ACCEPTED BY THE LOCAL ENTITY ENGINEER AND SUBGRADE COMPACTION TESTS ARE TAKEN AND ACCEPTED BY THE LOCAL ENTITY ENGINEER...

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- 1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION...

SIGNING AND STRIPING NOTES:

- 1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS...

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:

- 1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS...

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



Table with 2 columns: CHNO/CHNO (APPR), DATE. Multiple empty rows.

Table with 2 columns: REVISION DESCRIPTION, DATE. Multiple empty rows.

Project information including: TITLE: MOUNTAIN VIEW ACADEMY CIVIL CONSTRUCTION DOCUMENTS GENERAL NOTES, JOB NUMBER: 65120399, DATE: 4/27/2020, SHEET: CO.1, 2 of 35.

THIS AND ANY OTHER ELECTRONIC MEDIA CONTAINED HEREIN IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED TO REPRESENT OR WARRANT THE PERFORMANCE OF ANY CONTRACTOR OR SUBCONTRACTOR. THE PROJECT OR ANY OTHER PROJECTS OF MERRICK AND COMPANY SHALL BE AT THE SOLE RISK FOR THE MANUFACTURER WITHOUT LIABILITY FOR LOSS OF USE, DAMAGE, OR CONSEQUENCE.



FILE LOCATION: Q:\DEN\Projects\0399-00 Mountain View Academy\Design\Civil\Phase II-on-site\COVER.dwg Plot Date: 4/28/2020 9:47 AM Last Saved By: IRYPKEWA FOR AND ON BEHALF OF MERRICK AND COMPANY

This is a duplicate. EPC GEC Notes is provided in the previous sheet.

EL PASO COUNTY GRADING AND EROSION CONTROL PLANS STANDARD NOTES:

- 1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL. IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



Table with 4 columns: REVISION DESCRIPTION, DATE, and CHNO/CHKD/APPR. The table is currently empty.

MOUNTAIN VIEW ACADEMY
CIVIL CONSTRUCTION DOCUMENTS
GENERAL NOTES

ISSUED FOR REVIEW
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399
DATE: 4/27/2020
SHEET: C0.2
3 of 35

THIS AND ANY OTHER ELECTRONIC MEDIA COMPONENT IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SURFACE FOR REUSE IN WHOLE OR IN PART OR IN EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS INSTRUMENT OF SERVICE WITHOUT THE WRITTEN PERMISSION OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY LOSS OF LOSS OF DATA AND COMPANY.

File Location: Q:\DEN\Projects\0389-00 Mountain View Academy\Design\CDS\Civil\Phase II\on-site\COVER.dwg Plot Date: 4/28/2020 9:47 AM Last Saved By: IRYPKEMA



THIS AND ANY OTHER ELECTRONIC MEDIA... PROJECT IT IS NOT TO BE USED OR REPRODUCED... AND COMPANY SHALL BE AT THE SOLE RISK FOR THE USER'S LOSS OF DATA...



Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111  
303-751-5774  
www.merrick.com



Table with 3 columns: REV, REVISION DESCRIPTION, DATE. Contains one row with 'CHND/CHKD/APPD' in the DATE column.

MOUNTAIN VIEW ACADEMY  
CIVIL CONSTRUCTION DOCUMENTS  
EXISTING CONDITIONS PLAN

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

Table with 3 columns: JOB NUMBER, DATE, SHEET. Values: 65120399, 02/07/2020, C1.0. Includes '4 of 35' at the bottom.

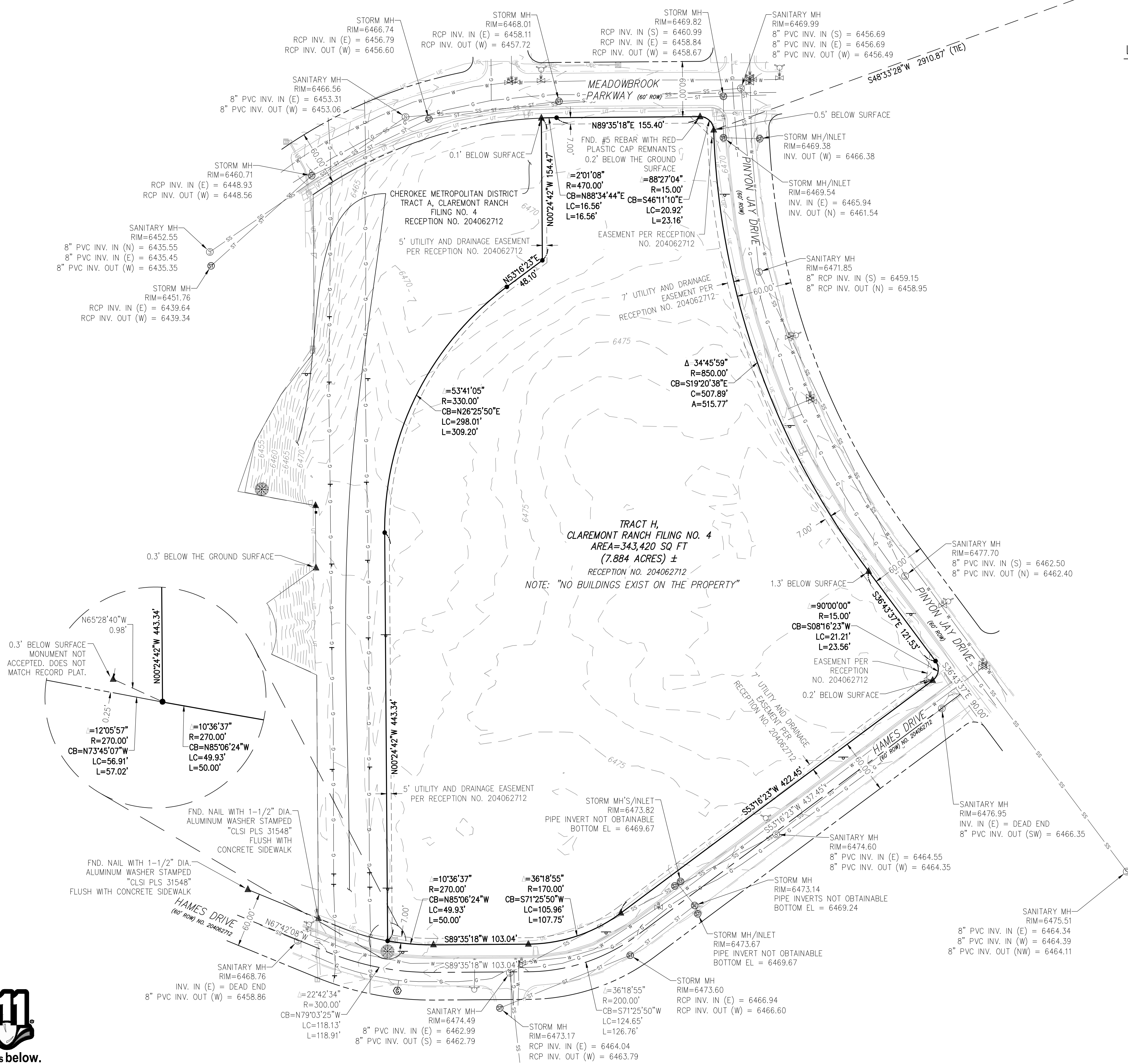
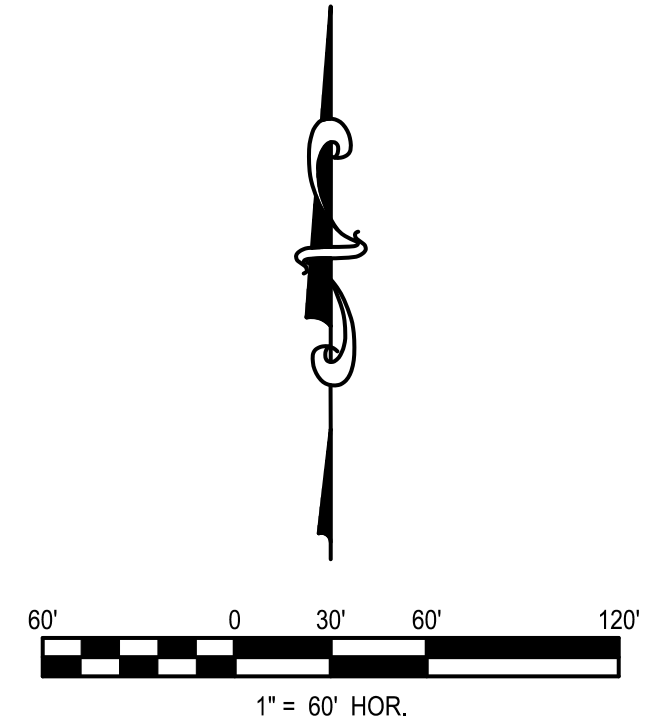
NE CORNER OF SECTION 4  
FND. 2" DIA. STEEL PIPE WITH  
2-1/2" DIA. ALUMINUM CAP  
STAMPED "DREXEL BARRELL & CO  
T13S 33/34/4/3 T14S R65W  
1985 LS 17664"  
PROJECTING 0.3' ABOVE  
CONCRETE SURFACE

LEGEND

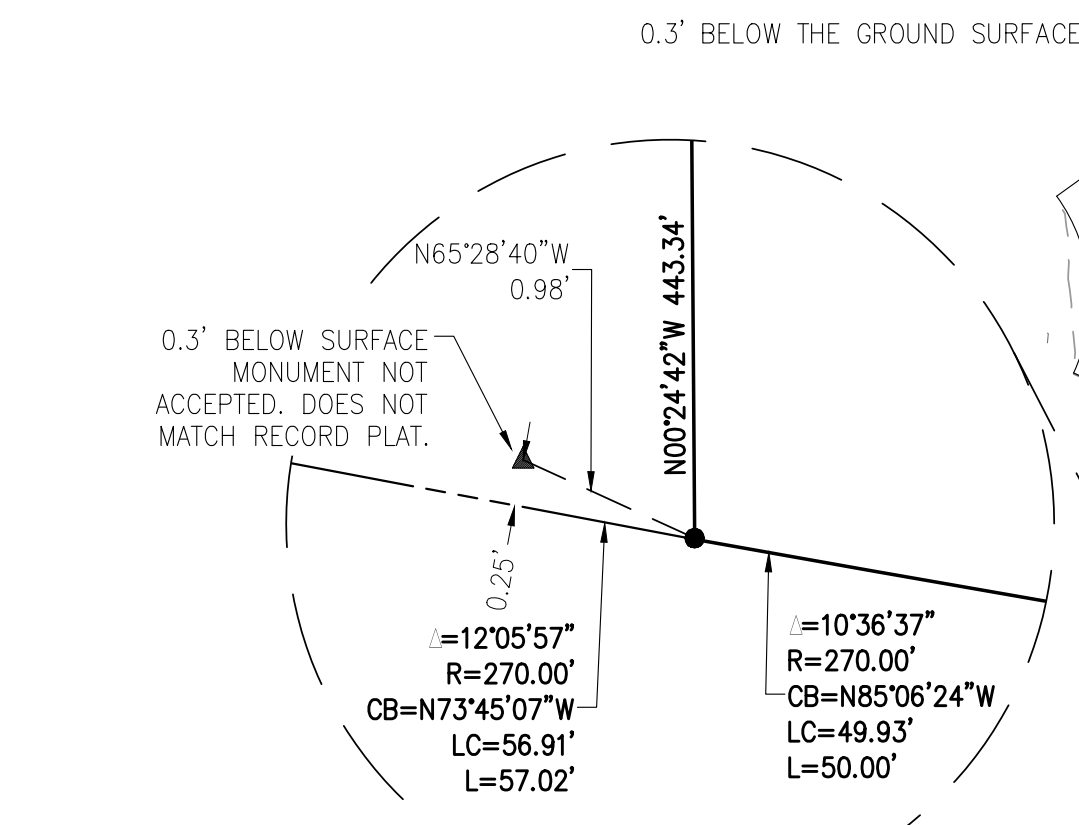
- ELECTRIC TRANSFORMER (Symbol: square with X)
GAS METER (Symbol: circle with X)
GAS MARKER POST (Symbol: T)
SANITARY MANHOLE (Symbol: circle with S)
STORM MANHOLE (Symbol: circle with S)
DECIDUOUS TREE (Symbol: tree)
WATER FIRE HYDRANT (Symbol: circle with H)
WATER VALVE (Symbol: circle with V)
SIGN (Symbol: square with T)
TELEPHONE PEDESTAL (Symbol: square with T)
MAIL BOX (Symbol: square with M)
FENCE POST (WOOD) (Symbol: square with X)
UNDERGROUND ELECTRIC LINES (Symbol: line with X)
UNDERGROUND TELEPHONE LINES (Symbol: line with T)
UNDERGROUND GAS LINE (Symbol: line with G)
UNDERGROUND SANITARY SEWER LINE (Symbol: line with S)
UNDERGROUND STORM LINE (Symbol: line with S)
UNDERGROUND WATER LINE (Symbol: line with W)
ALIQUOT/SECTION LINE (Symbol: dashed line)
PROPERTY BOUNDARY LINE (Symbol: solid line)
WOOD FENCE (Symbol: dashed line with X)
WIRE FENCE (Symbol: dashed line with X)
FLOWLINE (Symbol: dashed line with X)
TOP BACK OF CURB (Symbol: solid line)

MONUMENT LEGEND

- ALIQUOT CORNER AS DESCRIBED (Symbol: star)
FOUND #5 REBAR WITH 1-1/4" DIA. ALUMINUM CAP FLUSH WITH SURFACE STAMPED: "MATRIX PLS 32822", UNLESS OTHERWISE NOTED (Symbol: triangle)
SET #5 REBAR WITH 2" ALUMINUM CAP FLUSH WITH SURFACE STAMPED: "MERRICK & CO. PLS 37043", UNLESS OTHERWISE NOTED (Symbol: circle)



TRACT H,  
CLAREMONT RANCH FILING NO. 4  
AREA=343,420 SQ FT  
(7.884 ACRES) ±  
RECEPTION NO. 204062712  
NOTE: "NO BUILDINGS EXIST ON THE PROPERTY"



REV	REVISION DESCRIPTION	DATE	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
 CIVIL CONSTRUCTION DOCUMENTS  
 SITE PLAN

ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

CLAREMONT RANCH  
 FILING NO. 4

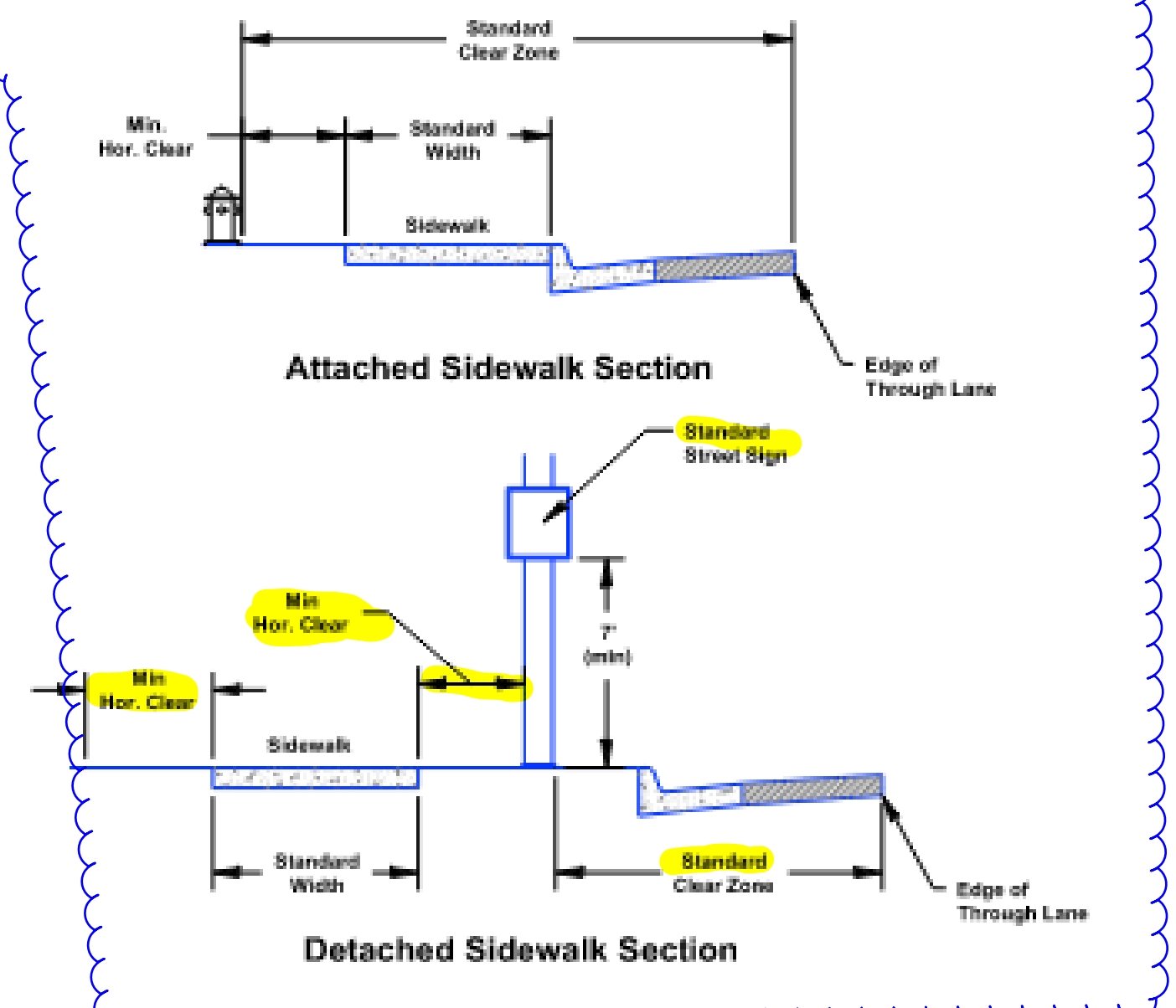
CLAREMONT RANCH  
 FILING NO. 2

TRACT A, CLAREMONT RANCH  
 FILING NO. 4

CLAREMONT RANCH  
 FILING NO. 2

Mountain View Academy

Figure 2-35. Sidewalk Clearances



**ECM Section 2.5.2.B.8**

**8. Sidewalk Clearances**  
 Horizontal and vertical sidewalk clearances shall meet the require of Figure 2-35.

**ECM Section 2.5.2.H**

**H. Clear Path Pedestrian Minimum**  
 The minimum horizontal clearance around utility structures, furniture, and other encroachments shall be greater or equal to 4 feet (see Figure 2-35). A Work in the Right-of-Way Permit is required for any private improvements within the right-of-way.

Revise to 5' sidewalk per the alternative identified in the sidewalk deviation request.

Revise to 5' sidewalk per the alternative identified in the sidewalk deviation request.

Revise the sidewalk layout. The layout does not meet the criteria per ECM 2.5.2.B.8 Sidewalk Clearance, Figure 2-35 and ECM Section 2.5.2.H. Snippet to the right

Double check all other objects adjacent to the sidewalk for conformance with the referenced criteria.

File Location: C:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\SITE.dwg Plot Date: 02/28/2020 9:49 AM Last Saved By: IRYPKEIMA  
 THE NEW ORLEANS ENGINEERING ARCHITECTURE IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A SERVICE PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PART OF THIS INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO ALL PARTIES TO THIS INSTRUMENT.



Know what's below.  
 Call before you dig.

REV	REVISION DESCRIPTION	DATE	CHKD	APPD

**MOUNTAIN VIEW ACADEMY**  
 CIVIL CONSTRUCTION DOCUMENTS  
 HORIZONTAL CONTROL PLAN

JOB NUMBER	65120399
DATE	02/07/2020
SHEET	C2.1
6	of X

**BENCHMARK:**

ELEVATIONS ARE BASED UPON THE FIMS MONUMENT BL05, A 3-1/4" DIA. CAP MARKED "BL05" IN A RANGE BOX. ELEVATION = 6158.40 NAVD29 DATUM.

**BASIS OF BEARING:**

BEARINGS ARE ASSUMED AND ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, AS BEARING S89°13'38"W BETWEEN THE NORTHEAST CORNER OF SAID SECTION 4, BEING A 2" DIA. STEEL PIPE WITH A 2-1/2" ALUMINUM CAP STAMPED LS# 17664 AND THE NORTH QUARTER CORNER OF SAID SECTION 4, BEING A FOUND #6 REBAR WITH A 3-1/4" ALUMINUM CAP STAMPED, LS# 4842.

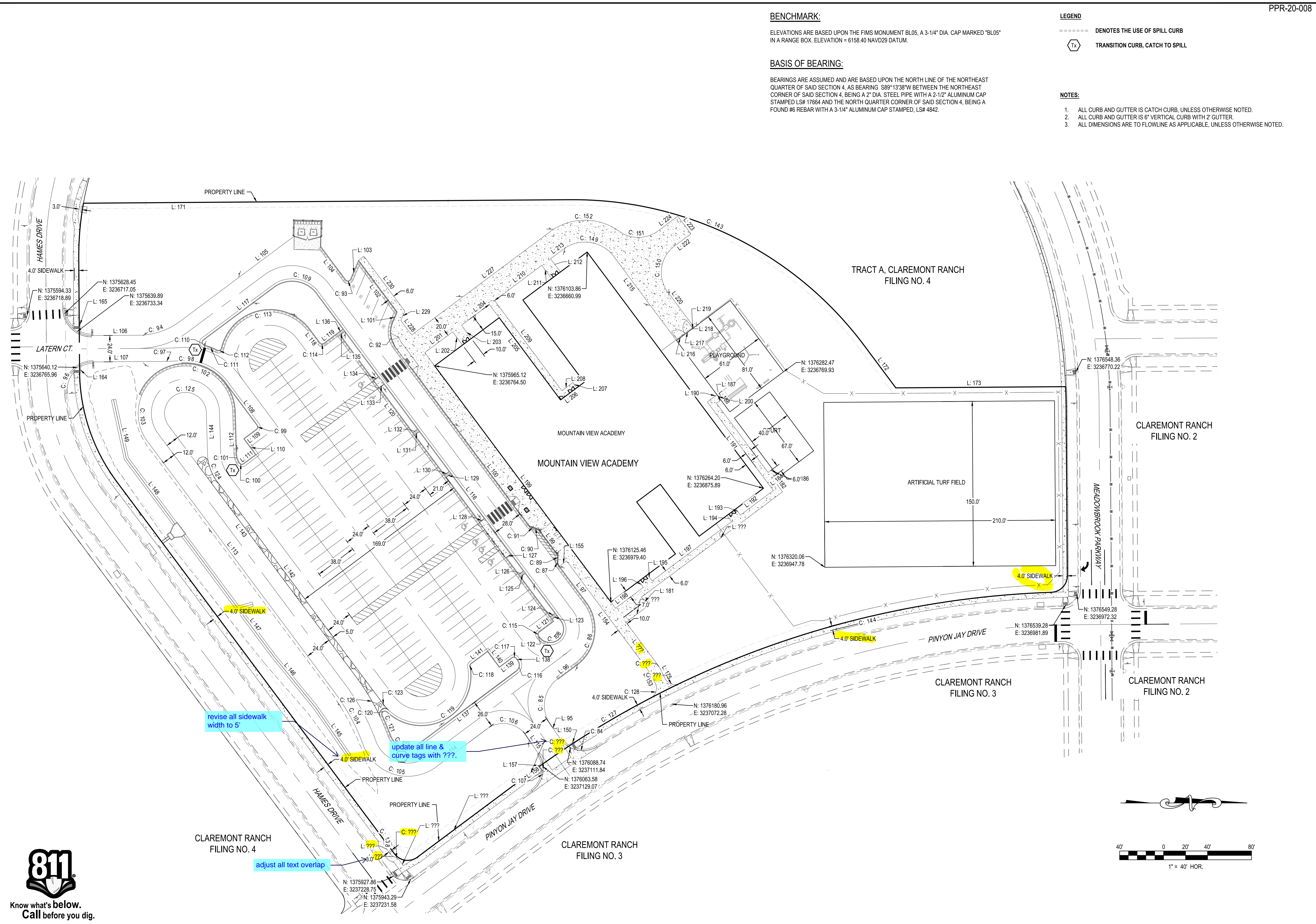
**LEGEND:**

- DENOTES THE USE OF SPILL CURB
- ⬠ Tx DENOTES TRANSITION CURB, CATCH TO SPILL

**NOTES:**

1. ALL CURB AND GUTTER IS CATCH CURB, UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER IS 6" VERTICAL CURB WITH 2" GUTTER.
3. ALL DIMENSIONS ARE TO FLOWLINE AS APPLICABLE, UNLESS OTHERWISE NOTED.

THE USE OF ANY CURB OR SPILL CURB OR SPILL CURB IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. FOR A SPECIFIC PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART OR FOR EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PART OF THIS INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO OBTAIN NECESSARY PERMITS AND COMPLIANCE.

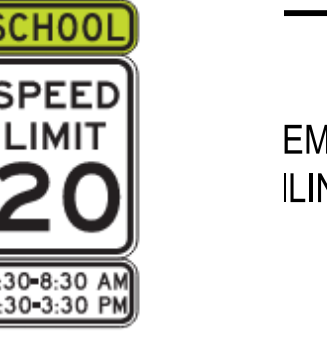


File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDS\Civil\Phase II\on-site\HCP.dwg Plot Date: 4/28/2020 9:48 AM Last Saved By: IRYPKEWA





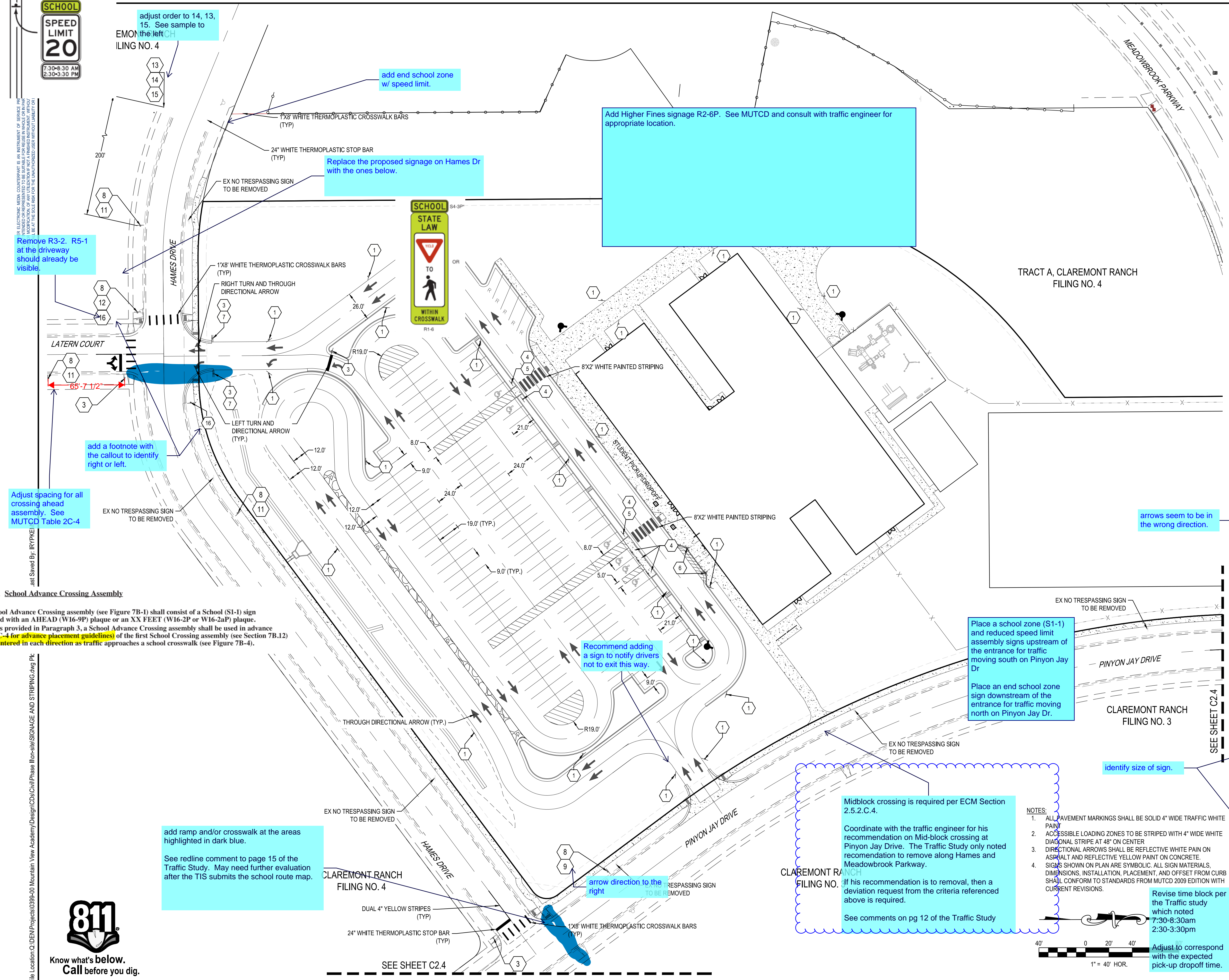
LEGEND	SYMBOL	DESCRIPTION
1	R7-1 (SP) (12"x18")	NO PARKING FIRE LANE
2	R7-1 (SP) (12"x18")	NO PARKING FIRE LANE
3	R1-1 (30"x30")	STOP
4	R7-8 (12"x18")	RESERVED PARKING
5	R7-8 P (12"x9")	VAN ACCESSIBLE
6	(12"x18")	PASSENGER LOADING ZONE ONLY
7	R5-1 (24"x24")	DO NOT ENTER
8	S1-1 (36"x36")	PEDESTRIAN CROSSING
9	W16-6P (24"x12")	ONE WAY
10	R1-3 (24"x12")	ALL WAY
11	W16-9P (24"x12")	ONE WAY
12	W16-7PL (24"x12")	ONE WAY
13	R2-1	SPEED LIMIT 20
14	S4-3P	SCHOOL SIGN
15	S4-1P	7:30 A.M. TO 4:30 P.M.
16	S4-2P	WHEN CHILDREN ARE PRESENT
	S4-4P	WHEN FLASHING
	R3-1 (RIGHT)	NO RIGHT TURN
	R3-2 (LEFT)	NO LEFT TURN
	R3-1	NO TURN ON RED



**SCHOOL STATE LAW**

**TO WITHIN CROSSWALK**

R1-6



Add Higher Fines signage R2-6P. See MUTCD and consult with traffic engineer for appropriate location.

Replace the proposed signage on Hames Dr with the ones below.

Remove R3-2. R5-1 at the driveway should already be visible.

Adjust spacing for all crossing ahead assembly. See MUTCD Table 2C-4

add a footnote with the callout to identify right or left.

Recommend adding a sign to notify drivers not to exit this way.

Place a school zone (S1-1) and reduced speed limit assembly signs upstream of the entrance for traffic moving south on Pinyon Jay Dr.

Place an end school zone sign downstream of the entrance for traffic moving north on Pinyon Jay Dr.

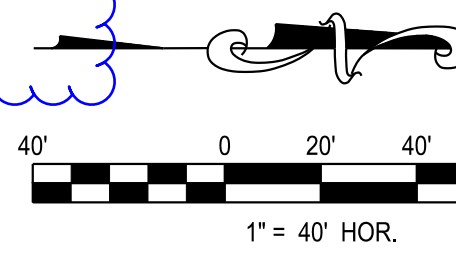
Midblock crossing is required per ECM Section 2.5.2.C.4.

Coordinate with the traffic engineer for his recommendation on Mid-block crossing at Pinyon Jay Drive. The Traffic Study only noted recommendation to remove along Hames and Meadowbrook Parkway.

If his recommendation is to removal, then a deviation request from the criteria referenced above is required.

See comments on pg 12 of the Traffic Study

- NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE SOLID 4" WIDE TRAFFIC WHITE PAINT
  - ACCESSIBLE LOADING ZONES TO BE STRIPED WITH 4" WIDE WHITE DIAGONAL STRIPE AT 48" ON CENTER
  - DIRECTIONAL ARROWS SHALL BE REFLECTIVE WHITE PAINT ON ASPHALT AND REFLECTIVE YELLOW PAINT ON CONCRETE.
  - SIGNS SHOWN ON PLAN ARE SYMBOLIC. ALL SIGN MATERIALS, DIMENSIONS, INSTALLATION, PLACEMENT, AND OFFSET FROM CURB SHALL CONFORM TO STANDARDS FROM MUTCD 2009 EDITION WITH CURRENT REVISIONS.



Revise time block per the Traffic study which noted 7:30-8:30am, 2:30-3:30pm.

Adjust to correspond with the expected pick-up/drop-off time.

add ramp and/or crosswalk at the areas highlighted in dark blue.

See redline comment to page 15 of the Traffic Study. May need further evaluation after the TIS submits the school route map.



File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\SIGNAGE AND STRIPING.dwg, Pk  
 User: J. GARDNER  
 Date Saved: 02/07/2020 10:58:54 AM  
 Plot Date: 02/07/2020 10:58:54 AM  
 Plot Scale: 1/4" = 1'

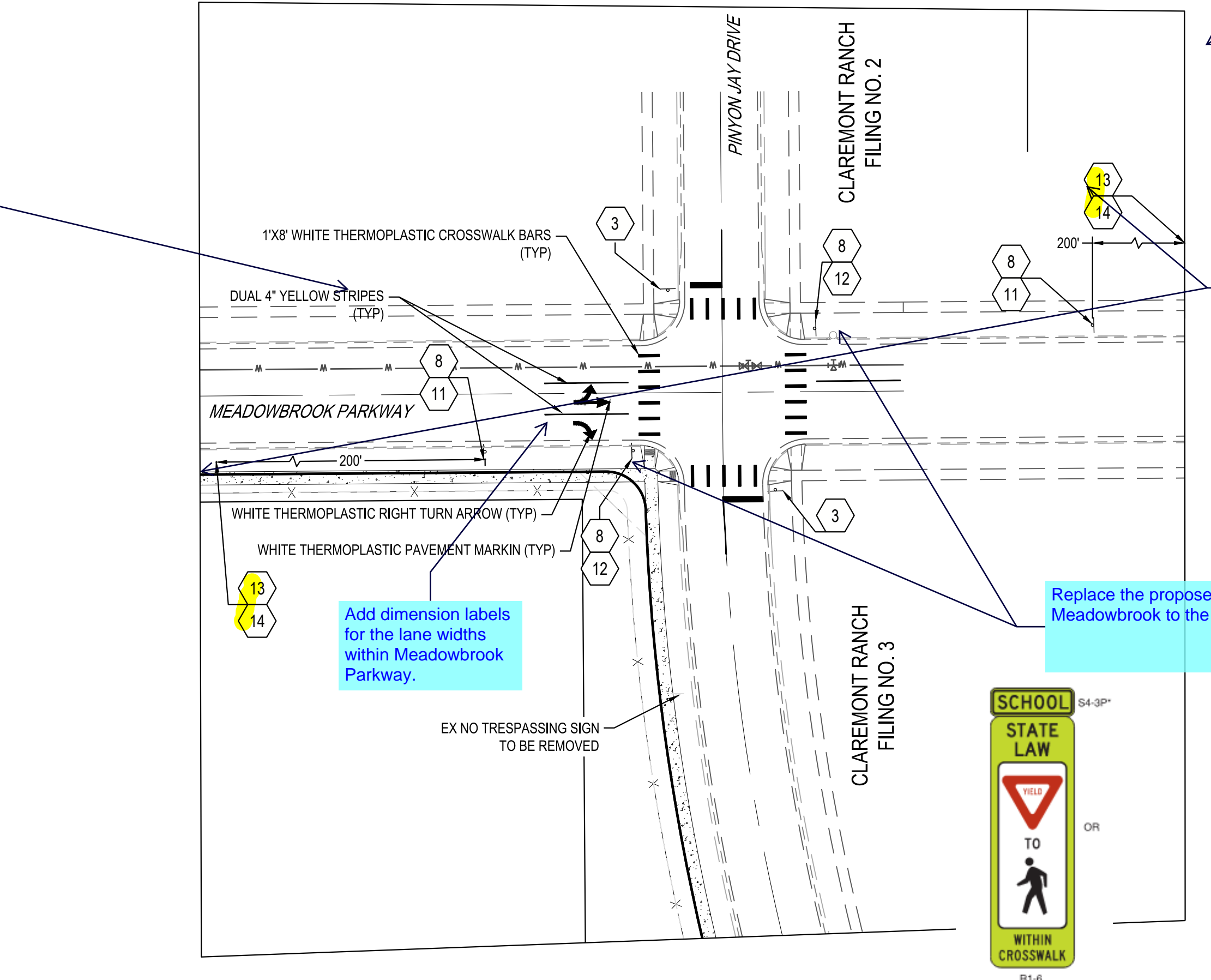
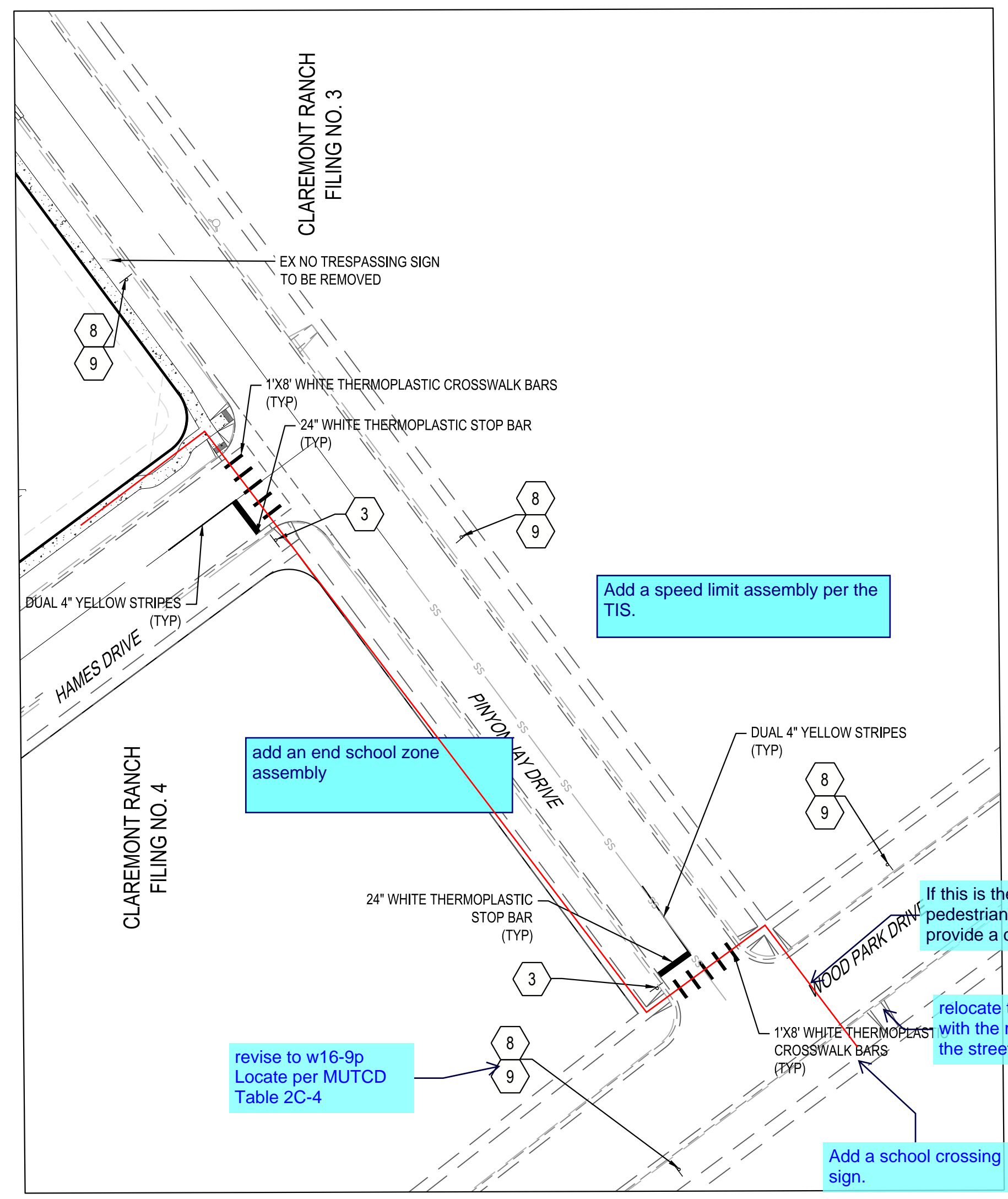


REV	REVISION DESCRIPTION	DATE	CHND/CHKD/APPR

**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
SIGNAGE AND STRIPING

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

LEGEND	
1	R7-1 (SP) (12"x18")
2	R7-1 (SP) (12"x18")
3	R1-1 (30"x30")
4	R7-8 (12"x18")
5	R7-8 P (12"x9")
6	(12"x18")
7	R5-1 (24"x24")
8	S1-1 (36"x36")
9	W16-6P (24"x12")
10	R1-3 (24"x12")
11	W16-9P (24"x12")
12	W16-7PL (24"x12")
13	R2-1
14	S4-3P
15	S4-1P



update all applicable callouts to include the lengths for the proposed striping. Update the striping on Meadowbrook to include a redirect taper since you are going from two lanes to three lanes at the intersection.  
See ECM Section 2.3.7 for required lane and taper lengths

add an end school zone assembly

Add a speed limit assembly per the TIS.

revise to w16-9p  
Locate per MUTCD Table 2C-4

If this is the pedestrian route then provide a crosswalk

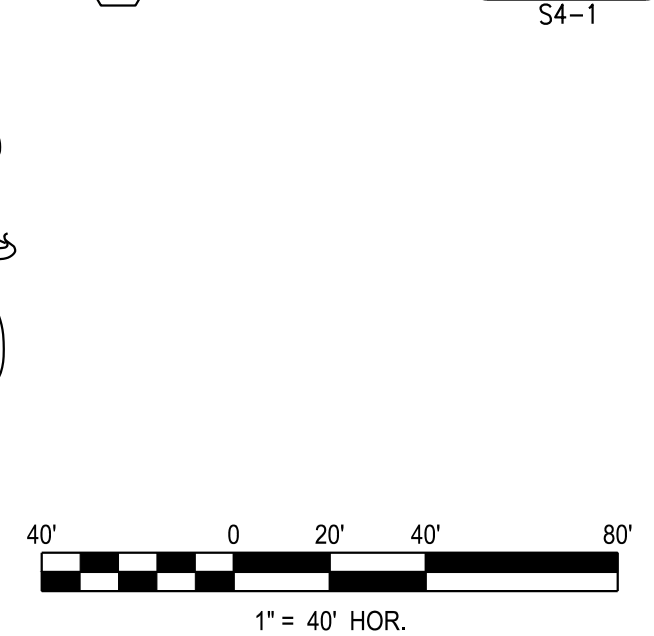
relocate to line up with the ramp across the street.

Add a school crossing sign.

For consistency/clarity, change the orientation to match the previous sheet.

Remove the reduced speed assembly along Meadowbrook Parkway and relocate to Pinyon Jay Dr.

Replace the proposed signage on Meadowbrook to the ones below.

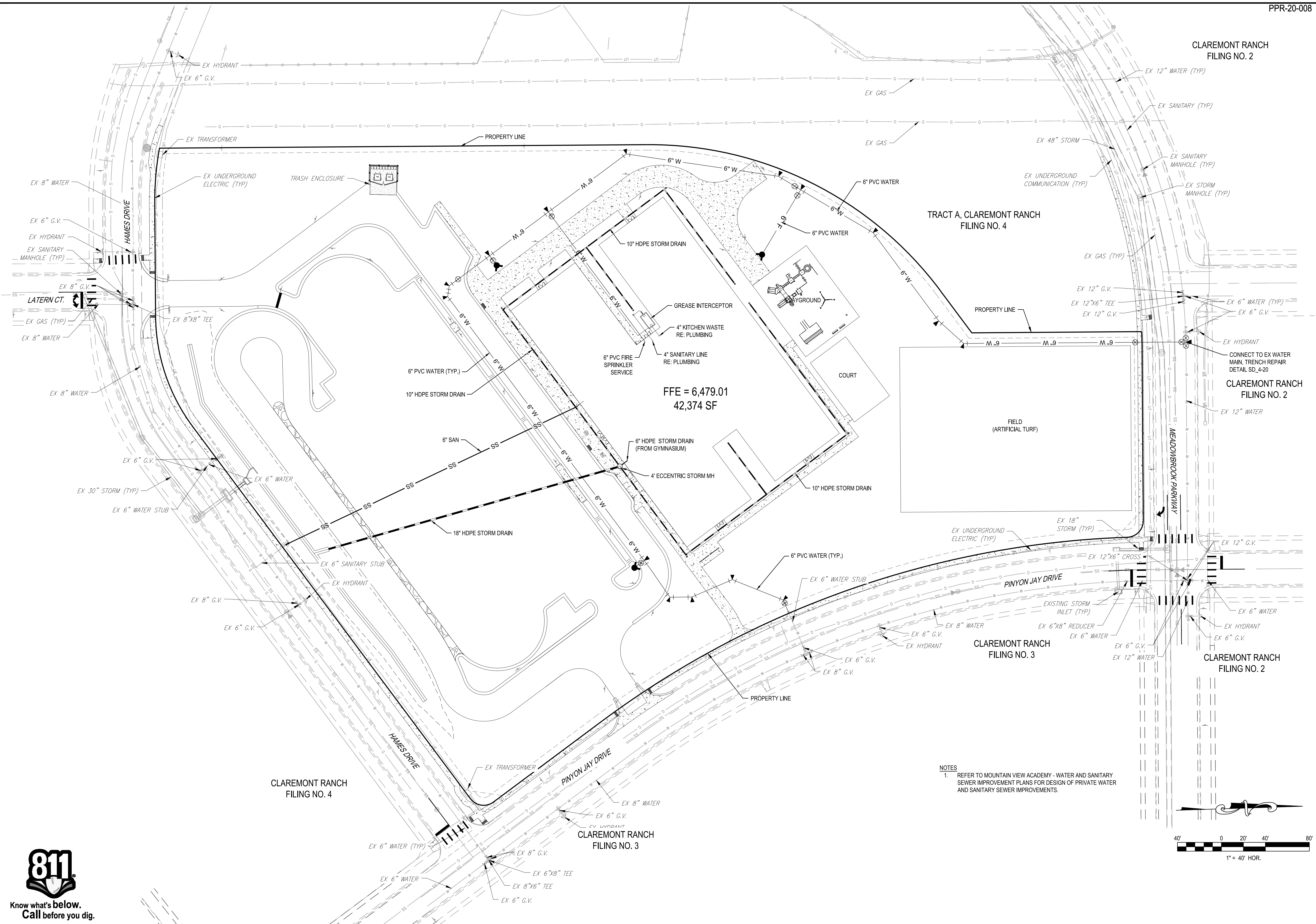


THE NEW ORANGE ELECTRIC UTILITY CONTRACT IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A SERVICE PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE OR PART OR EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY UTILITY INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO MERRICK AND COMPANY.

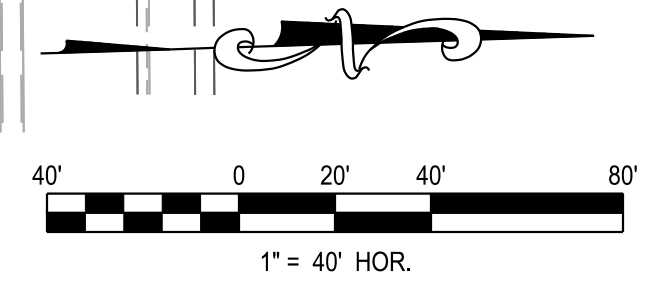
REV	REVISION DESCRIPTION	DATE	CHKD	APPD

**MOUNTAIN VIEW ACADEMY**  
 CIVIL CONSTRUCTION DOCUMENTS  
 OVERALL UTILITY EXHIBIT

TITLE: ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

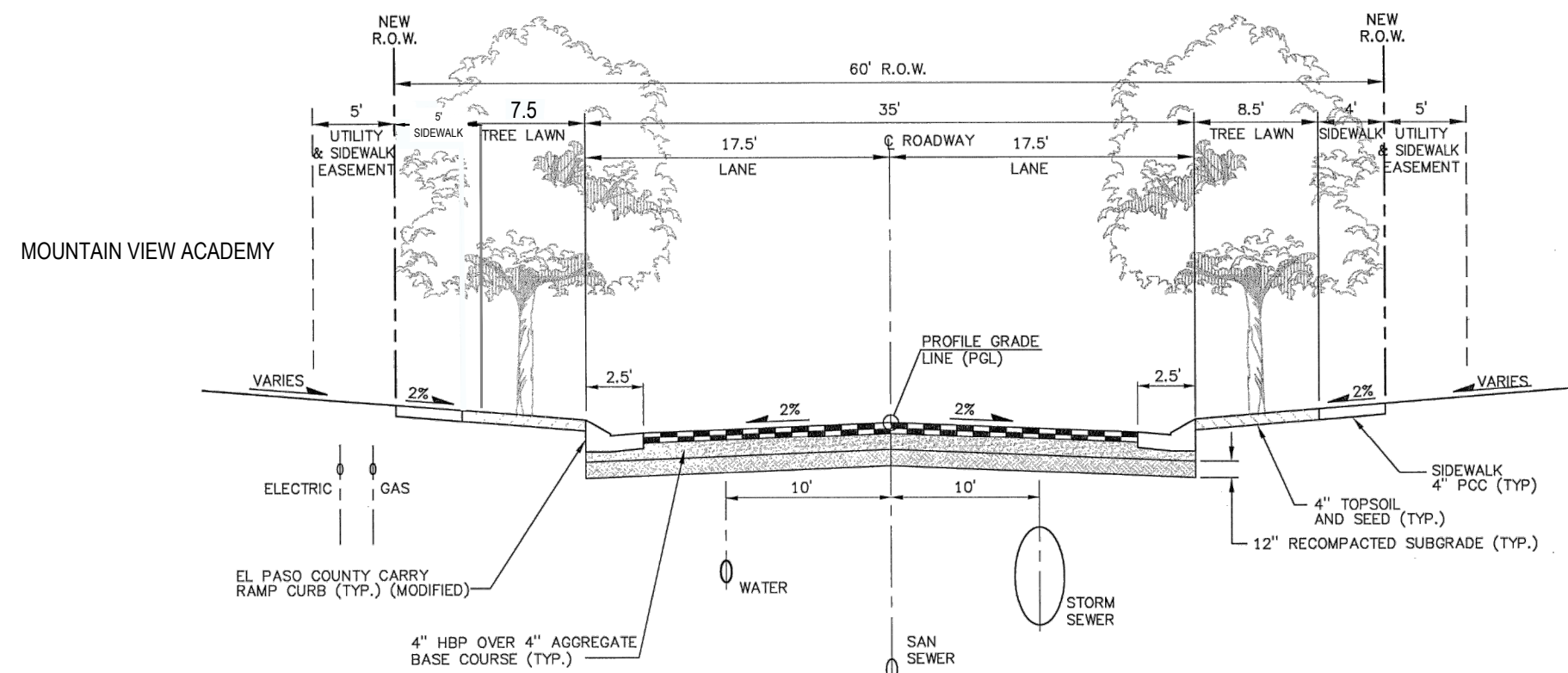


**NOTES**  
 1. REFER TO MOUNTAIN VIEW ACADEMY - WATER AND SANITARY SEWER IMPROVEMENT PLANS FOR DESIGN OF PRIVATE WATER AND SANITARY SEWER IMPROVEMENTS.



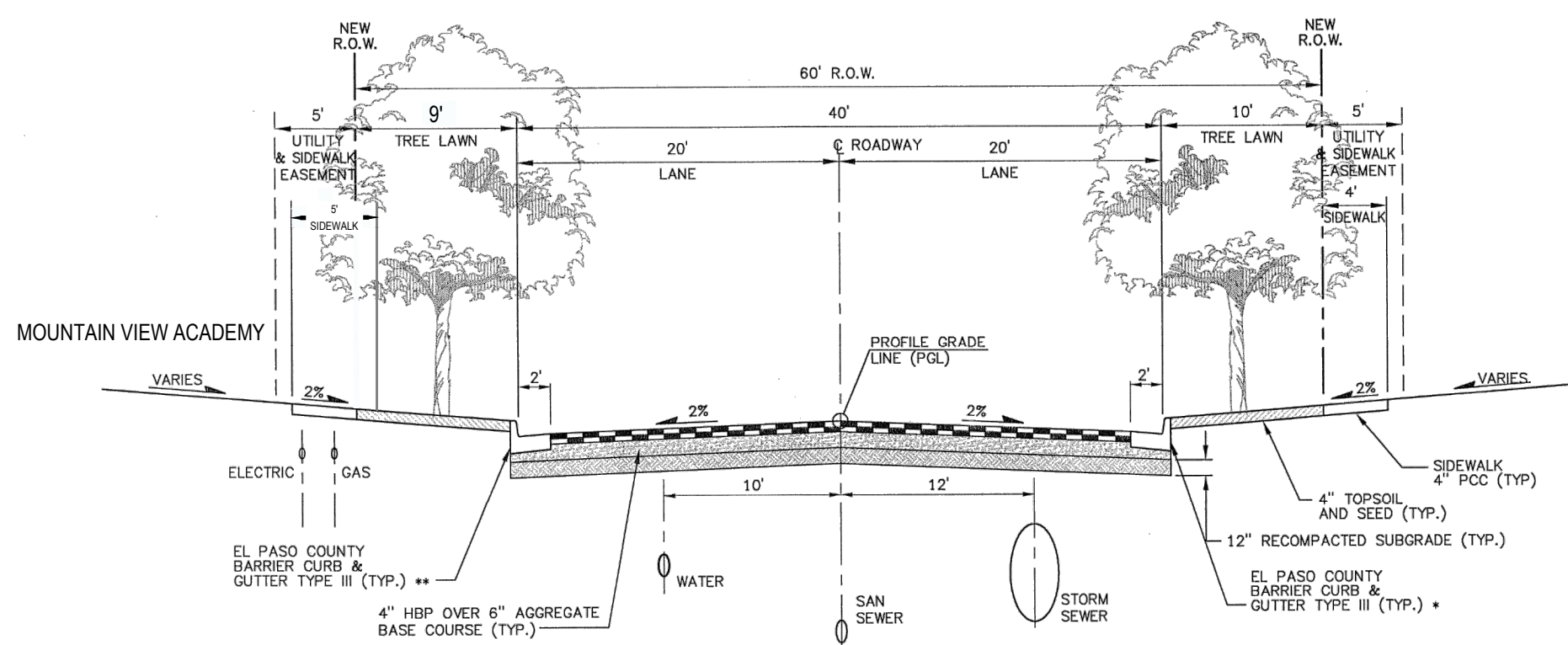
File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\Overall Utilities.dwg Plot Date: 4/28/2020 9:49 AM Last Saved By: FPAYNE

THIS AND ALL OTHERS EXISTING UTILITIES AND INFRASTRUCTURE ARE SHOWN AS APPROXIMATE. THE SHOWN UTILITIES ARE BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE USER SHALL VERIFY THE LOCATION, DEPTH, AND SIZE OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CONSENTS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND INFRASTRUCTURE FROM DAMAGE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CONSENTS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND INFRASTRUCTURE FROM DAMAGE.



**URBAN LOCAL TYPICAL SECTION**

PINYON JAY DRIVE  
HAMES DRIVE  
Section based PCD File No. PUD02005



**URBAN COLLECTOR TYPICAL SECTION**

MEADOWBROOK PARKWAY  
Section based PCD File No. PUD02005

File Location: D:\DEN\Projects\0389-00 Mountain View Academy\Design\CDS\Civil\Phase II\on-site\ROAD WAY SECTIONS.dwg Plot Date: 4/28/2020 9:50 AM Last Saved By: JRYPK/EVA



Know what's below.  
Call before you dig.



NO.	DATE	DESCRIPTION	BY	CHECKED	APP'D

**MOUNTAIN VIEW ACADEMY  
CIVIL CONSTRUCTION DOCUMENTS**

ROADWAY SECTIONS

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

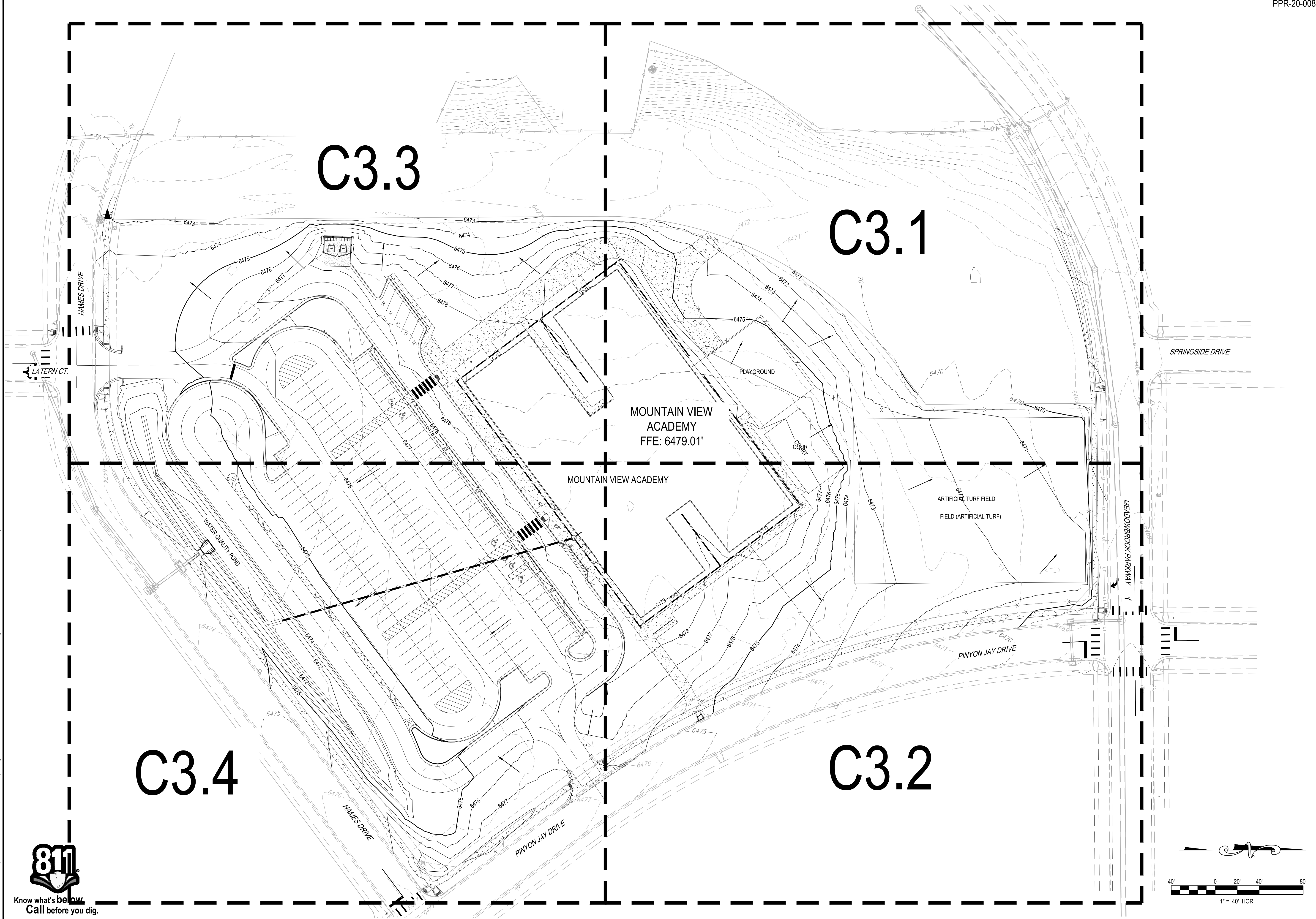
JOB NUMBER: 66120399  
DATE: \_\_\_\_\_  
SHEET: **C2.6**  
11 of 35

THIS AND ANY OTHER ELECTRONIC MEDIA COMPONENT IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF MERRICK AND COMPANY. THE USER SHALL BE AT THE SOLE RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY OR LOSS OF SERVICE TO MERRICK AND COMPANY.

File Location: Q:\DEV\Projects\0389-00 Mountain View Academy\Design\CDS\Civil\Phase II-on-site\OVERALL GRADING.dwg Plot Date: 02/28/2020 9:50 AM Last Saved By: FPA YNE



Know what's below. Call before you dig.



C3.3

C3.1

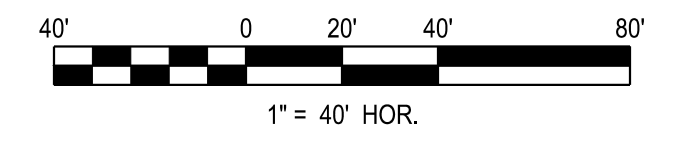
C3.4

C3.2

MOUNTAIN VIEW ACADEMY  
FFE: 6479.01'

MOUNTAIN VIEW ACADEMY

ARTIFICIAL TURF FIELD  
FIELD (ARTIFICIAL TURF)



**MERRICK**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5870 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111  
303-751-6744  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	APPD

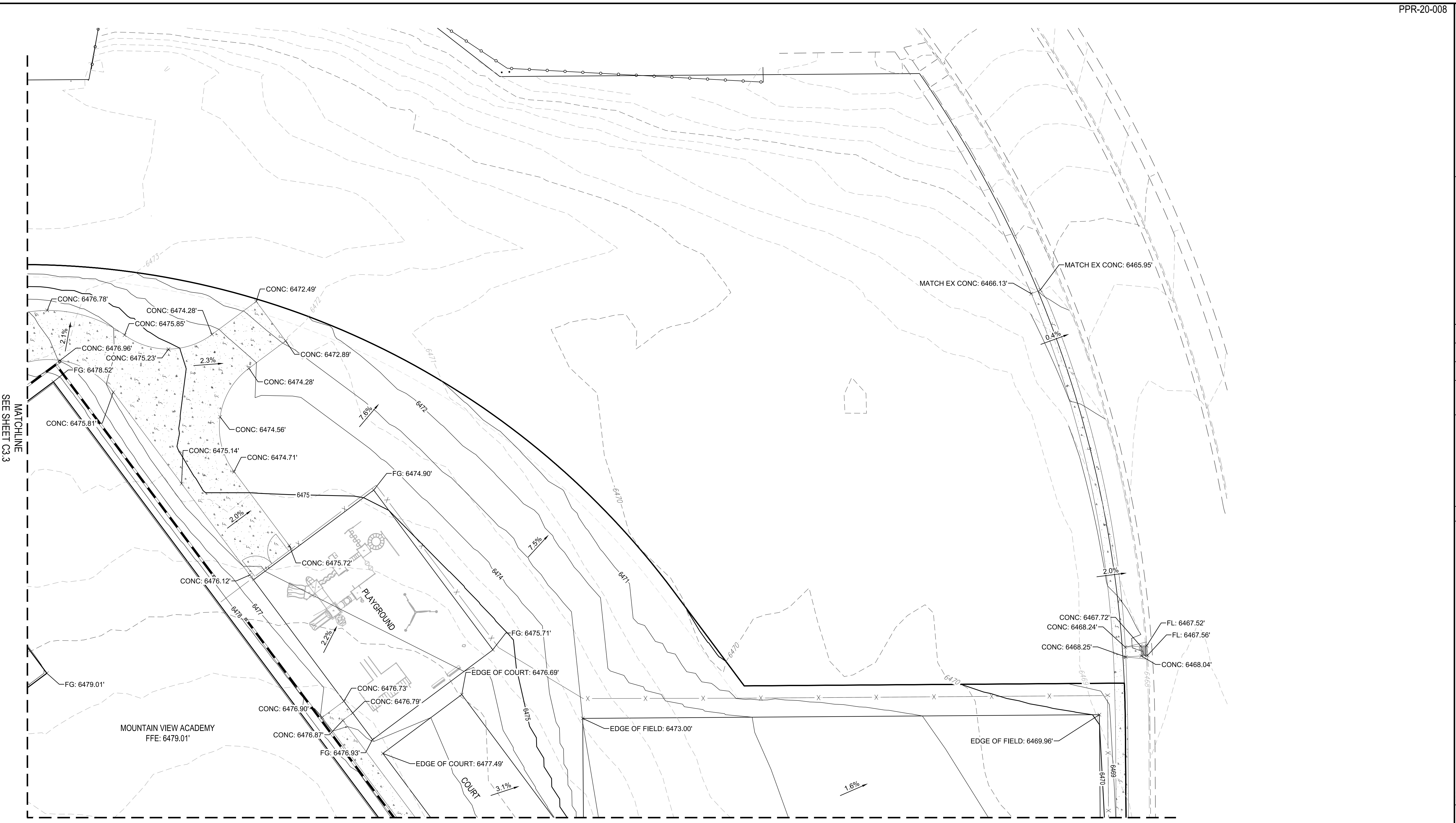
**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
OVERALL GRADING PLAN

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER 65120399	DATE 02/07/2020	SHEET <b>C3.0</b>	12 of 35
------------------------	--------------------	----------------------	----------

THIS AND ANY OTHER ELECTRONIC MEDIA COMPONENT IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART OR EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. MERRICK AND COMPANY SHALL BE AT THE SOLE RISK FOR THE USER'S LIABILITY OR LOSS OF DATA.

File Location: Q:\DEV\Projects\0399-00 Mountain View Academy\Design\Civil\Phase II-on-site\DETAIL GRADING.dwg Plot Date: 4/28/2020 9:50 AM Last Saved By: IRYPKEMA



REV	REVISION DESCRIPTION	DATE	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
 CIVIL CONSTRUCTION DOCUMENTS  
 DETAIL GRADING PLAN

ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

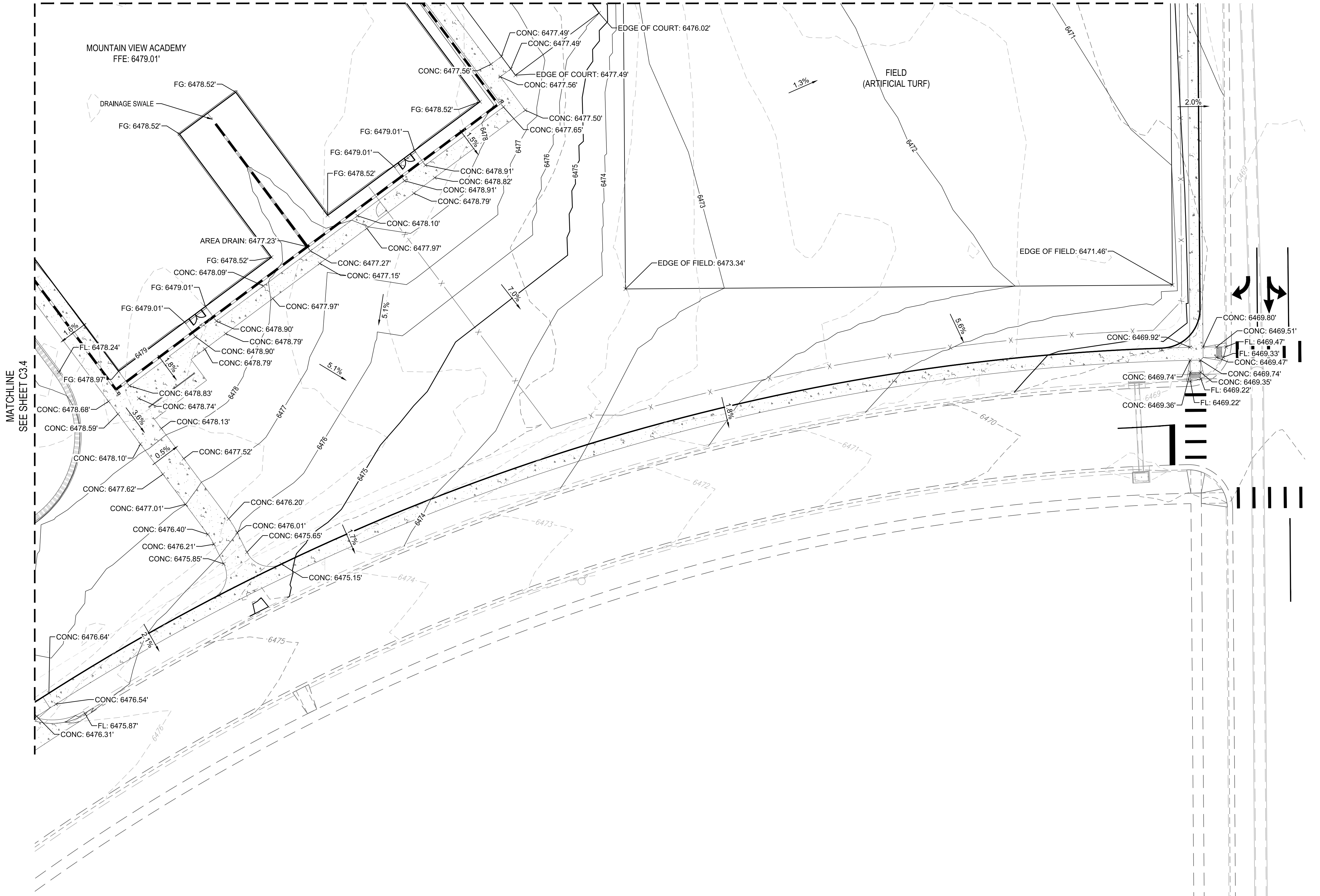
JOB NUMBER	65120399
DATE	02/07/2020
SHEET	C3.1
13	of 35



THIS AND ALL OTHERS ARE EXISTING. ANY CHANGES TO THIS PLAN SHALL BE INDICATED BY A DASHED LINE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED HEREON. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM ALL APPLICABLE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM ALL APPLICABLE AGENCIES.

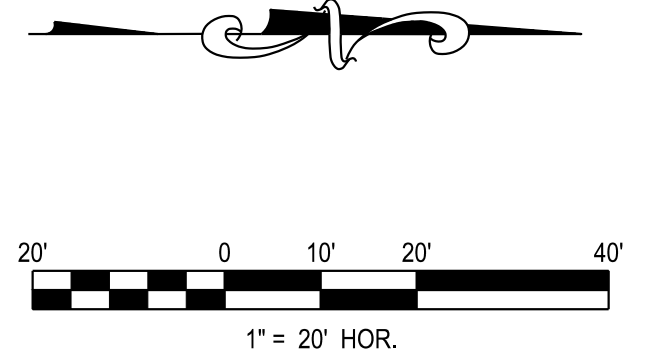
File Location: D:\DEN\Projects\10399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\DETAIL GRADING.dwg Plo Date: 4/28/2020 9:50 AM Last Saved By: IRYKEMA

MATCHLINE  
SEE SHEET C3.1



LEGEND  
----- DENOTES THE USE OF SPILL CURB

provide slopes at all ramp locations.  
See example from another project  
to the right.  
  
Unresolved. Provide slope tags  
around the pedestrian ramps



**MERRICK®**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
DETAIL GRADING PLAN

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399  
DATE: 02/07/2020  
SHEET: C3.2  
14 of 35

**811**  
Know what's below.  
Call before you dig.

THE USE, REUSE OR MODIFICATION OF ANY INFORMATION NOT A PART OF THIS INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK & COMPANY IS PROHIBITED. THIS INSTRUMENT IS THE PROPERTY OF MERRICK & COMPANY AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

File Location: D:\EN\Projects\10399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\DETAIL GRADING.dwg Plo Date: 4/28/2020 9:50 AM Last Saved By: IRYKEMA

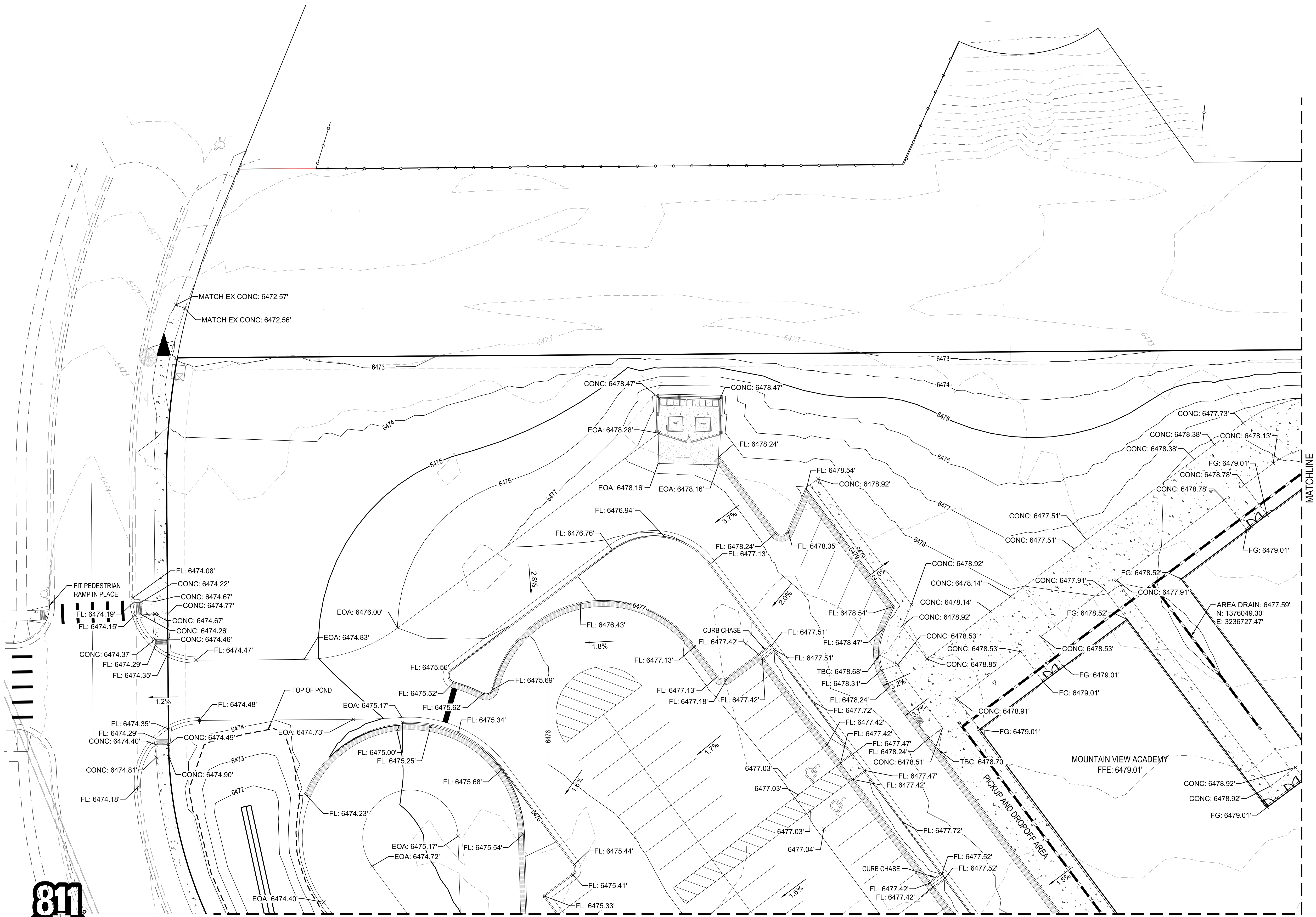


REV	REVISION DESCRIPTION	DATE	CHKD	APPR

MOUNTAIN VIEW ACADEMY  
CIVIL CONSTRUCTION DOCUMENTS  
DETAIL GRADING PLAN

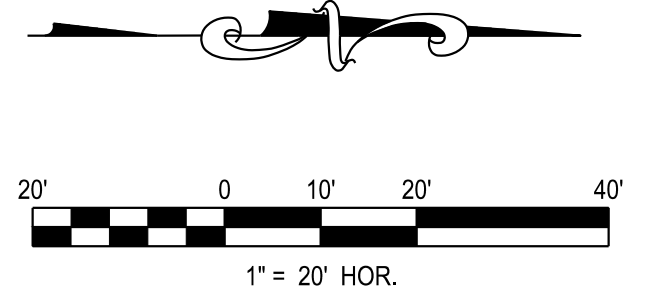
ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER	65120399
DATE	02/07/2020
SHEET	C3.3
15	of 35



MATCHLINE  
SEE SHEET C3.1

MATCHLINE  
SEE SHEET C3.4



THE USE OF ANY CURB OR SPILLWAY SHALL BE THE RESPONSIBILITY OF THE USER. MERRICK & COMPANY, INC. IS NOT RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS DOCUMENT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE AS A PART OF ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PHYSICAL INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK & COMPANY SHALL BE AT THE USER'S RISK. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PURPOSE THAN THAT FOR WHICH IT WAS PREPARED.

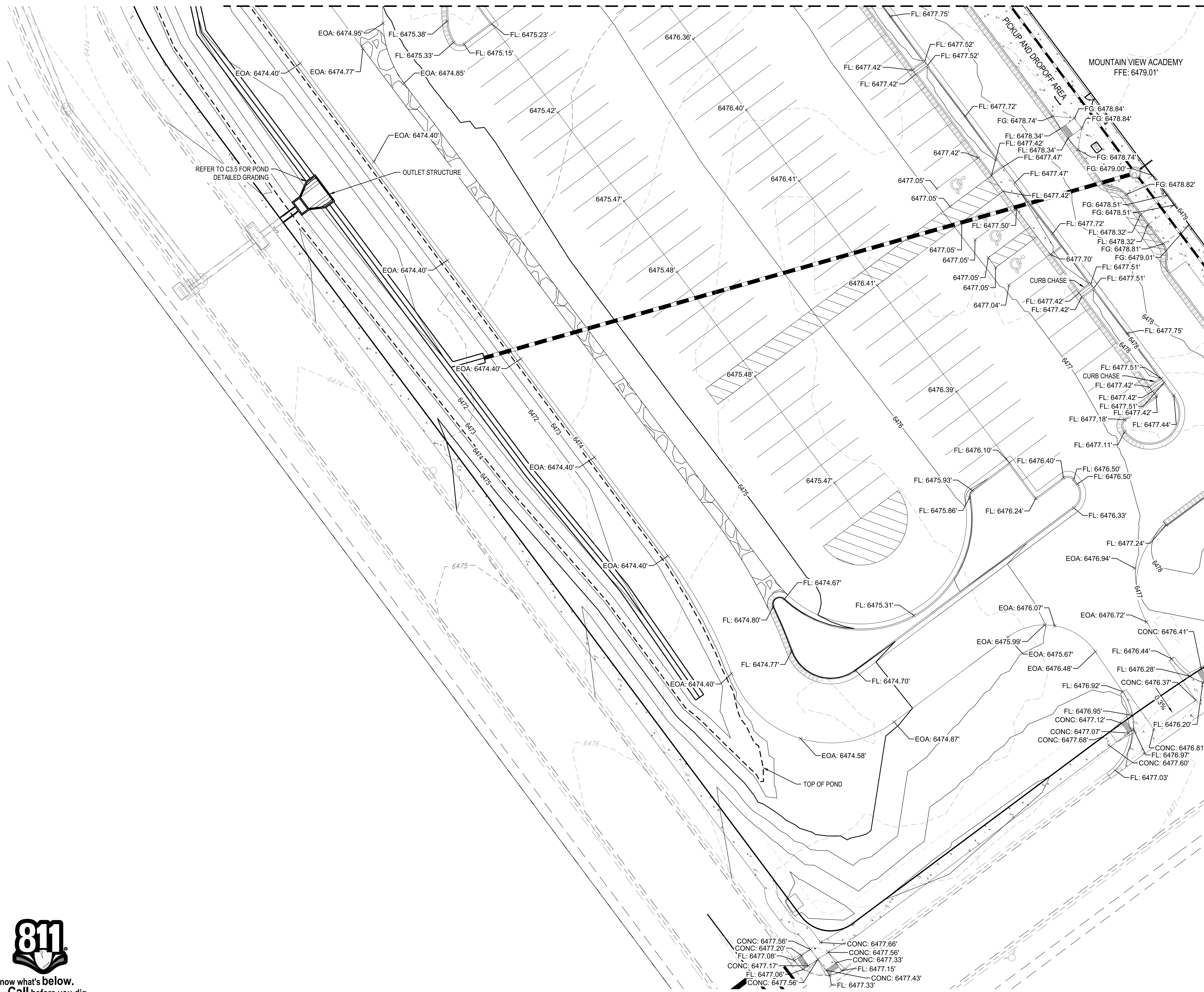
File Location: D:\EN\Projects\0399-00 Mountain View Academy\Design\CAD\Civil\Phase II\on-site\DETAIL GRADING.dwg Plot Date: 4/28/2020 9:51 AM Last Saved By: RYPERKEA



Know what's below.  
Call before you dig.

MATCHLINE  
SEE SHEET C3.3

PPR-20-008



LEGEND  
----- DENOTES THE USE OF SPILL CURB

**MERRICK**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
DETAIL GRADING PLAN

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY



JOB NUMBER: 65120399  
DATE: 02/07/2020  
SHEET: C3.4  
16 of 35

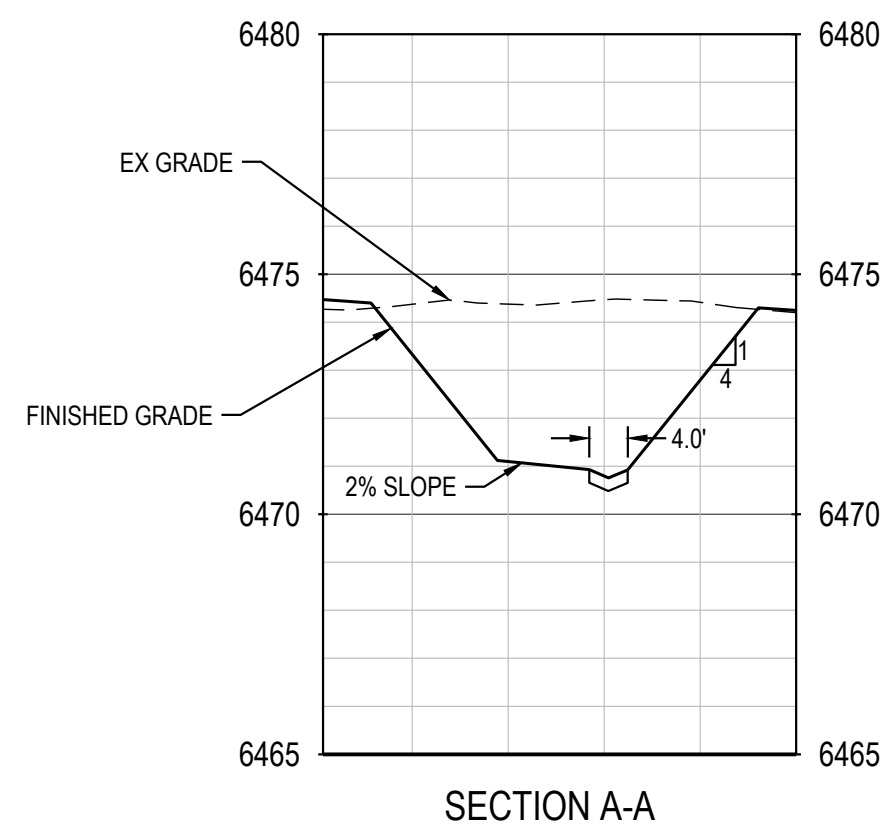
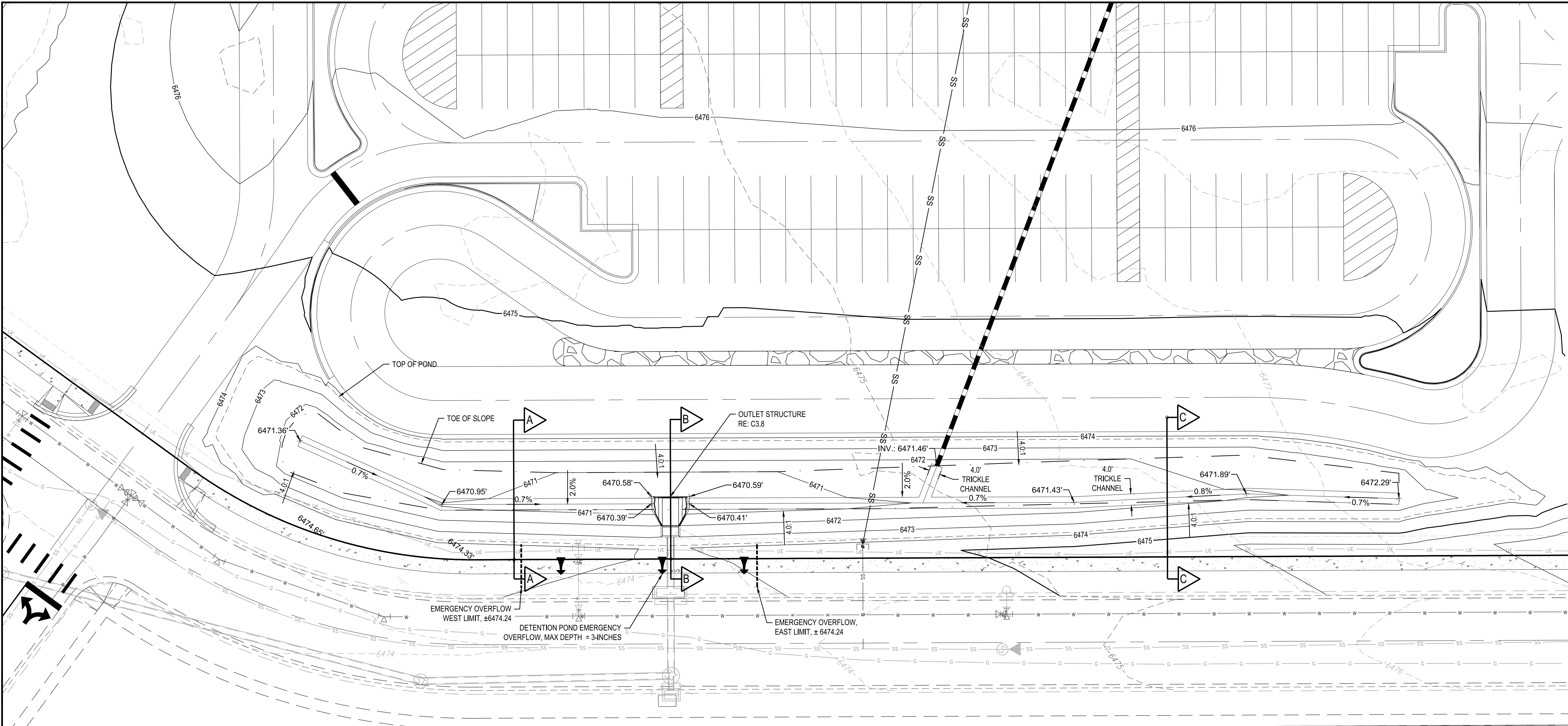


THIS AND ANY OTHER ELECTRONIC MEDIA COMPONENT IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF MERRICK AND COMPANY. THE USER SHALL BE AT THE SOLE RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY TO MERRICK AND COMPANY.

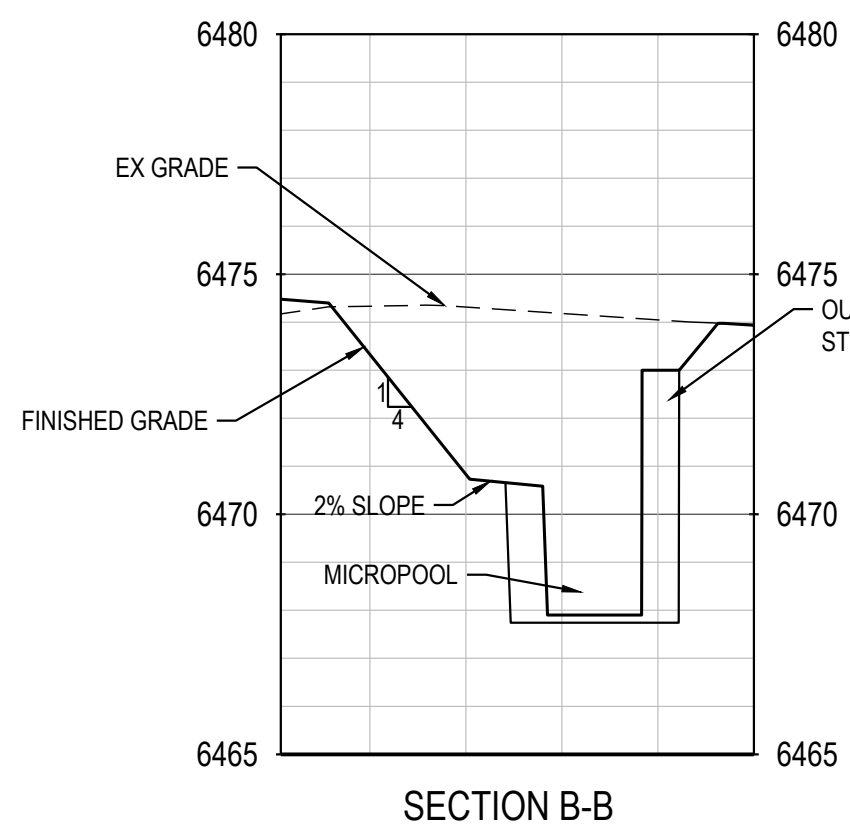
File Location: Q:\DEV\Projects\0389-00 Mountain View Academy\Design\CDs\Civil\Phase II-on-site\POND GRADING.dwg Plot Date: 4/28/2020 9:51 AM Last Saved By: TKELTS



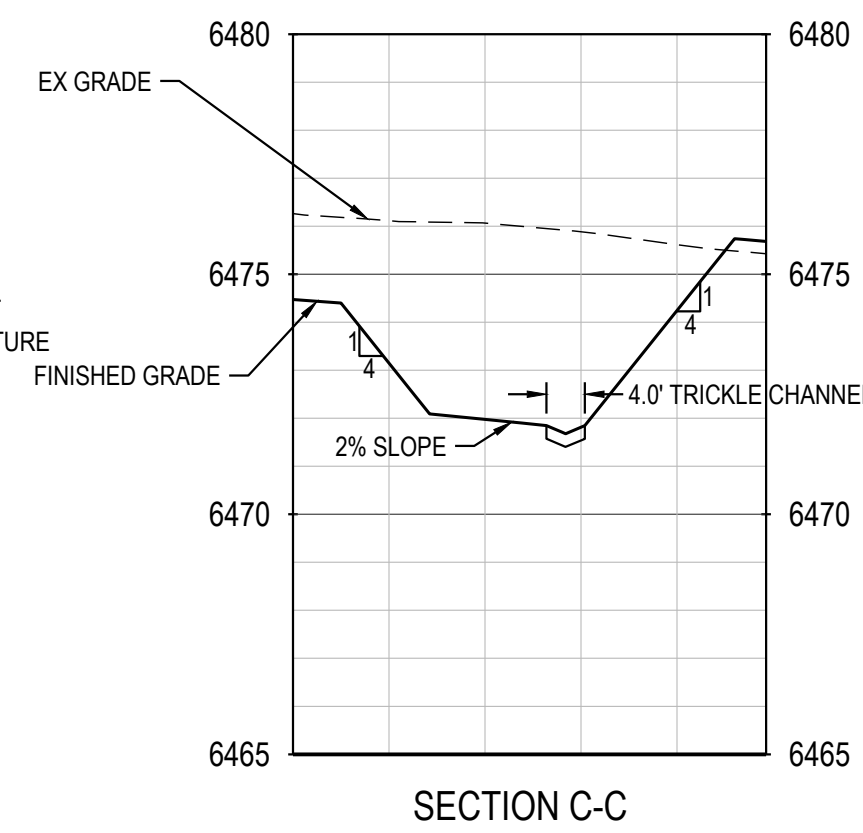
Know what's below.  
Call before you dig.



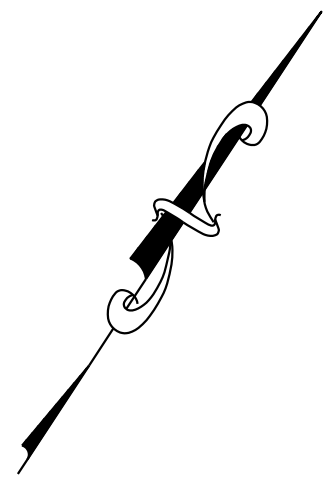
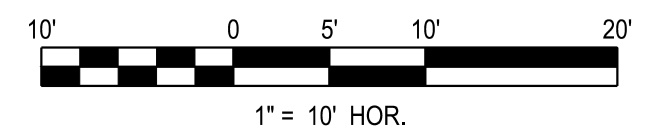
SECTION A-A



SECTION B-B



SECTION C-C



PPR-20-008

MERRICK  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
www.merrick.com

NATIONAL HERITAGE ACADEMIES

REV	REVISION DESCRIPTION	DATE	CHNO/CHKD/APPR

MOUNTAIN VIEW ACADEMY  
CIVIL CONSTRUCTION DOCUMENTS  
POND GRADING PLAN

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399  
DATE: 02/07/2020  
SHEET: **C3.5**  
17 of 35

CLAREMONT RANCH  
FILING NO. 4

CLAREMONT RANCH  
FILING NO. 2

TRACT A, CLAREMONT RANCH  
FILING NO. 4

TRACT H, CLAREMONT RANCH  
FILING NO. 4

FFE = 6,479.01  
42,374 SF

CLAREMONT RANCH  
FILING NO. 4

CLAREMONT RANCH  
FILING NO. 3

CLAREMONT RANCH  
FILING NO. 2

CLAREMONT RANCH  
FILING NO. 4

CLAREMONT RANCH  
FILING NO. 3

**NOTES:**

- EXISTING VEGETATION CONSISTS ENTIRELY OF NATIVE GRASSES AND WEED SPECIES.
- SEE GEC PLAN SET (EGP-20-002) FOR INITIAL GEC. **Add a note stating that cut/fill is shown on EGP-20-002**
- SURFACE ROUGHENING WILL BE PERFORMED IN ALL TEMPORARILY INACTIVE AREAS WITH DISTURBED SOILS.
- EROSION CONTROL BLANKETS TO BE INSTALLED AT CONTRACTOR'S DISCRETION ON ALL DISTURBED SLOPES STEEPER THAN 4:1.
- ALL DISTURBED AREAS TO BE SEEDED AND MULCHED UPON PROJECT COMPLETION OR WITHIN 14 DAYS OF INACTIVITY.
- ALL BMP'S TO REMAIN IN PLACE UPON PROJECT COMPLETION.

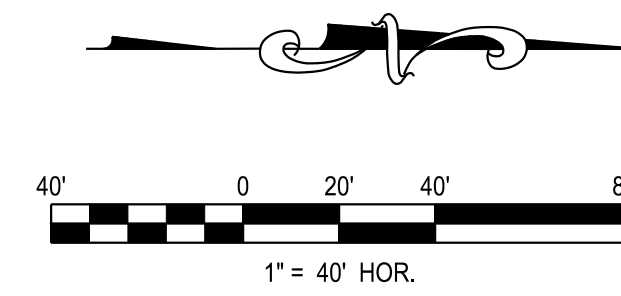
add either a VTC or  
barricade at the  
second access point.

Limits of construction do not seem to be  
the same as the limits of disturbance.  
Please confirm.

add stormwater flow lines to legend

**BMP LEGEND**

	CWA CONCRETE WASHOUT AREA		SF SILT FENCE
	CF CONSTRUCTION FENCE		SSA STABILIZED STAGING AREA
	CS CURB SOCK		VTC VEHICLE TRACKING CONTROL
	IP INLET PROTECTION		
	LS LANDSCAPED		
	LOC LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE		
	RCD REINFORCED CHECK DAM		
	RRB REINFORCED ROCK BERM		
	RRC RRB FOR CULVERT PROTECTION		
	SB SEDIMENT BASIN		
	SCL SEDIMENT CONTROL LOG		
	SM SEEDING AND MULCHING		



5970 GREENWOOD PLAZA, BLVD. GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

REV	REVISION DESCRIPTION	DATE	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
 CD SET  
 INTERIM GEC

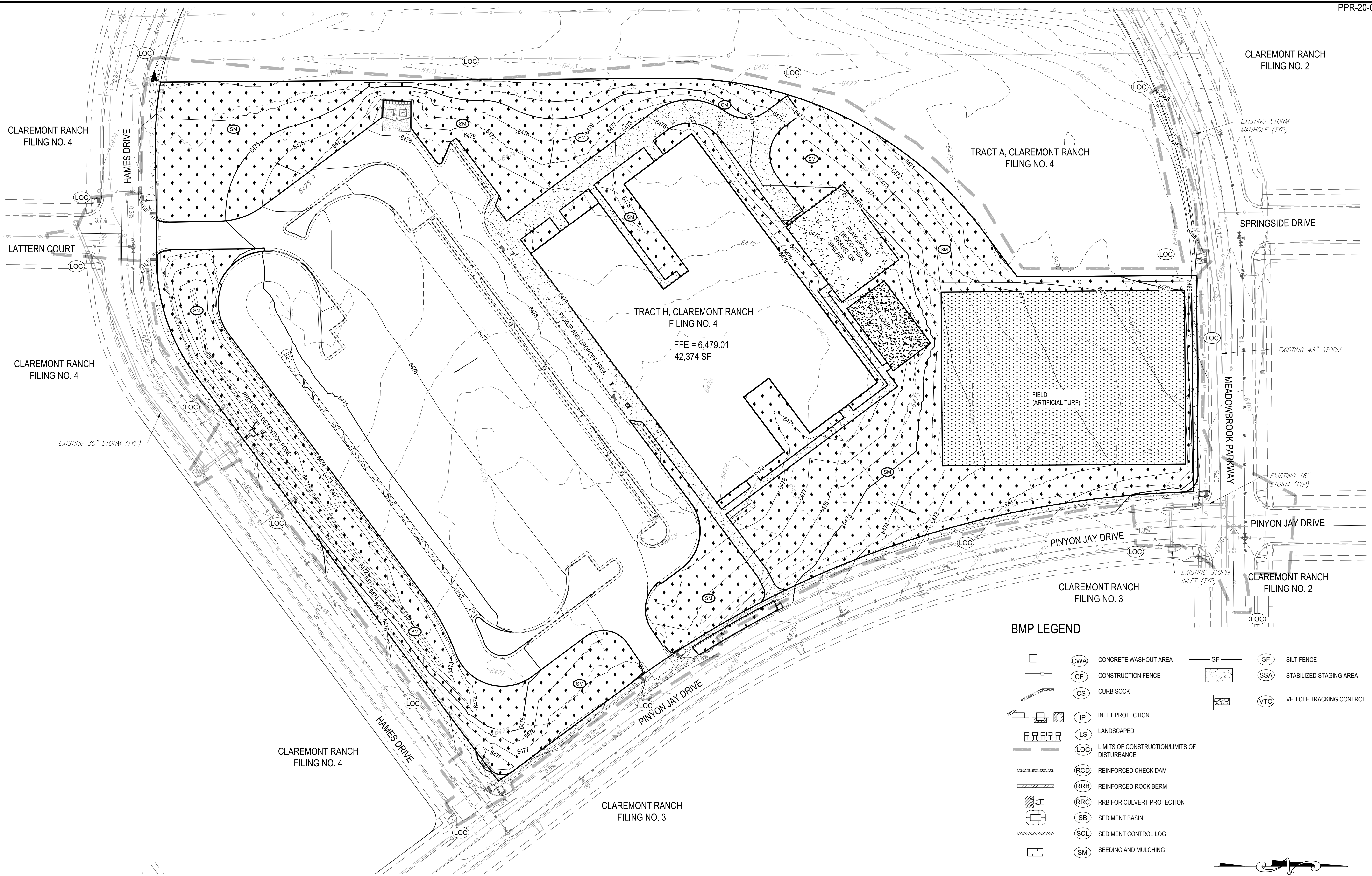
ISUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER	65120399
DATE	02/07/2020
SHEET	C3.6
17 of 28	

Know what's below.  
Call before you dig.

THE USE OF THESE EXISTENCE MAPS AND INSTRUMENTS OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. IS LIMITED TO THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY OTHER PROJECT, REUSE OR MODIFICATION OF ANY INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK AND SHALL BE THE USER'S RESPONSIBILITY TO OBTAIN NECESSARY CONSENT.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\GEC\GEC.dwg Plot Date: 4/28/2020 9:51 AM Last Saved By: IRYPKEMA



CLAREMONT RANCH FILING NO. 4

CLAREMONT RANCH FILING NO. 4

CLAREMONT RANCH FILING NO. 4

CLAREMONT RANCH FILING NO. 3

TRACT H, CLAREMONT RANCH FILING NO. 4  
FFE = 6,479.01  
42,374 SF

TRACT A, CLAREMONT RANCH FILING NO. 4

CLAREMONT RANCH FILING NO. 2

CLAREMONT RANCH FILING NO. 3

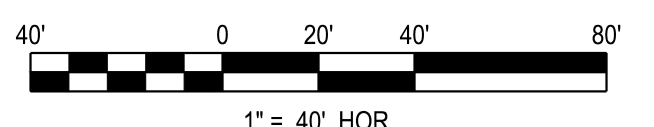
CLAREMONT RANCH FILING NO. 2

BMP LEGEND

	(CWA) CONCRETE WASHOUT AREA		(SF) SILT FENCE
	(CF) CONSTRUCTION FENCE		(SSA) STABILIZED STAGING AREA
	(CS) CURB SOCK		(VTC) VEHICLE TRACKING CONTROL
	(IP) INLET PROTECTION		
	(LS) LANDSCAPED		
	(LOC) LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE		
	(RCD) REINFORCED CHECK DAM		
	(RRB) REINFORCED ROCK BERM		
	(RRC) RRB FOR CULVERT PROTECTION		
	(SB) SEDIMENT BASIN		
	(SCL) SEDIMENT CONTROL LOG		
	(SM) SEEDING AND MULCHING		

NOTES:

- EXISTING VEGETATION CONSISTS ENTIRELY OF NATIVE GRASSES AND WEED SPECIES.
- SEE GEC PLAN SET (EGP-20-002) FOR INITIAL GEC.
- SURFACE ROUGHENING WILL BE PERFORMED IN ALL TEMPORARILY INACTIVE AREAS WITH DISTURBED SOILS.
- EROSION CONTROL BLANKETS TO BE INSTALLED AT CONTRACTOR'S DISCRETION ON ALL DISTURBED SLOPES STEEPER THAN 4:1.
- ALL DISTURBED AREAS TO BE SEEDED AND MULCHED UPON PROJECT COMPLETION OR WITHIN 14 DAYS OF INACTIVITY.
- ALL BMP'S TO REMAIN IN PLACE UPON PROJECT COMPLETION.



**MERRICK**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	APPD

**MOUNTAIN VIEW ACADEMY**  
CD SET  
FINAL GEC

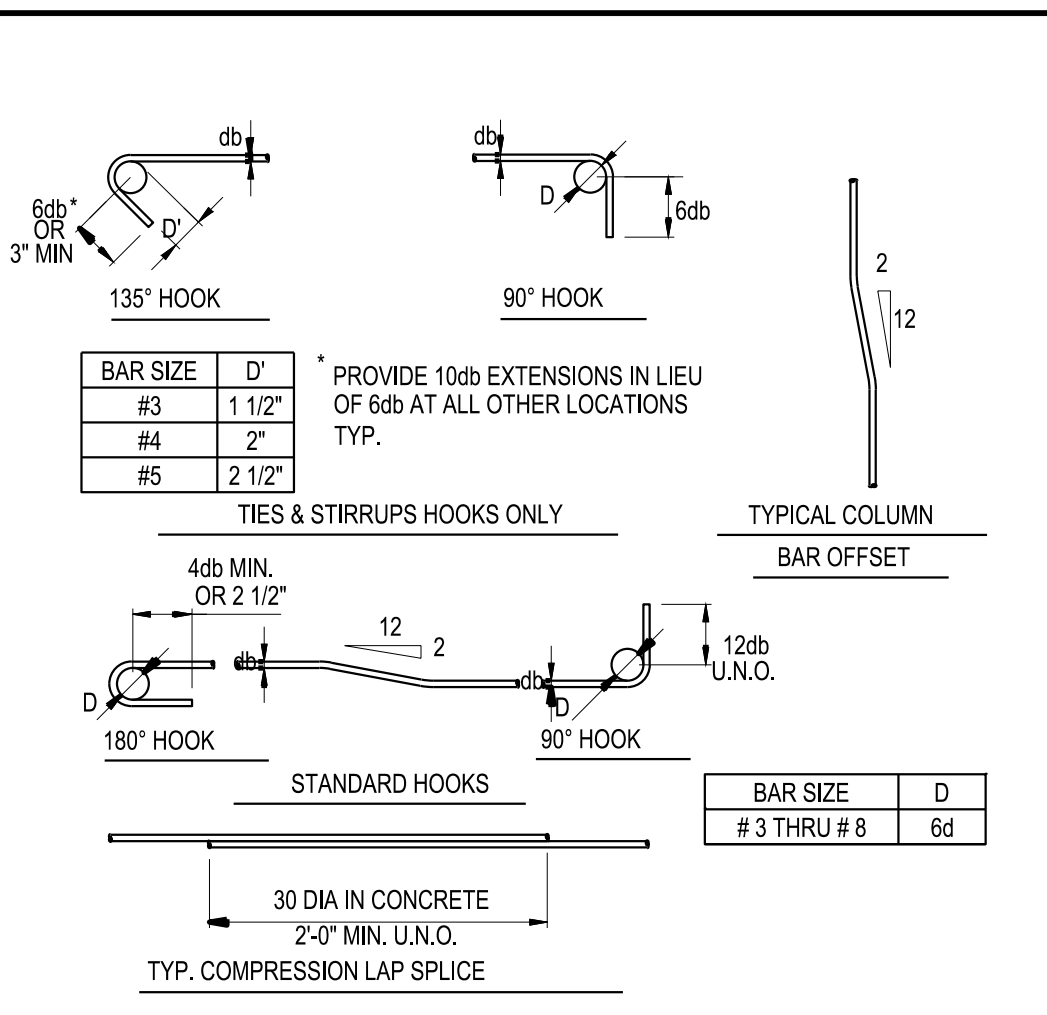
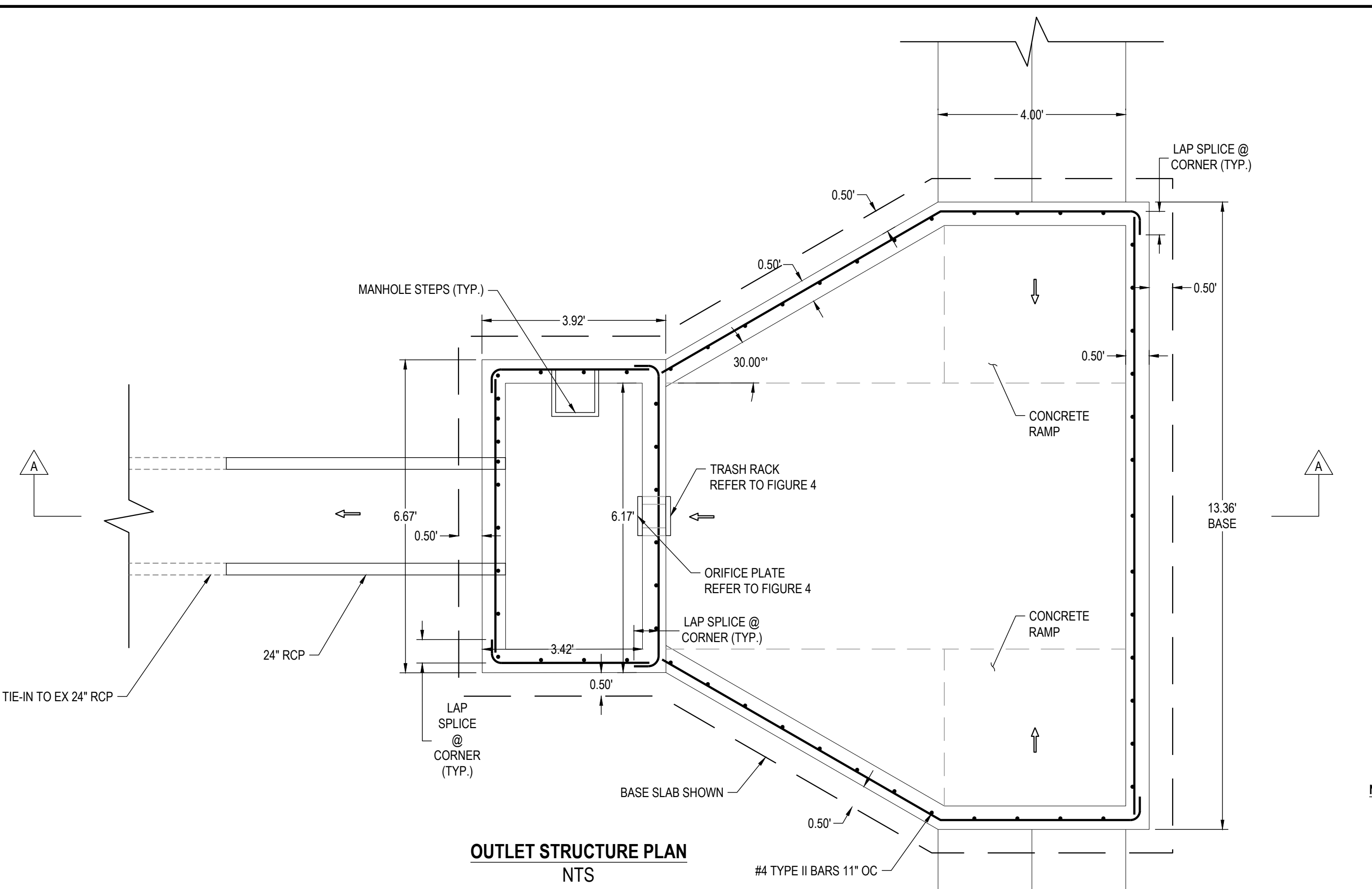
ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399  
DATE: 02/07/2020  
SHEET: C3.7  
18 of 28

**811**  
Know what's below.  
Call before you dig.

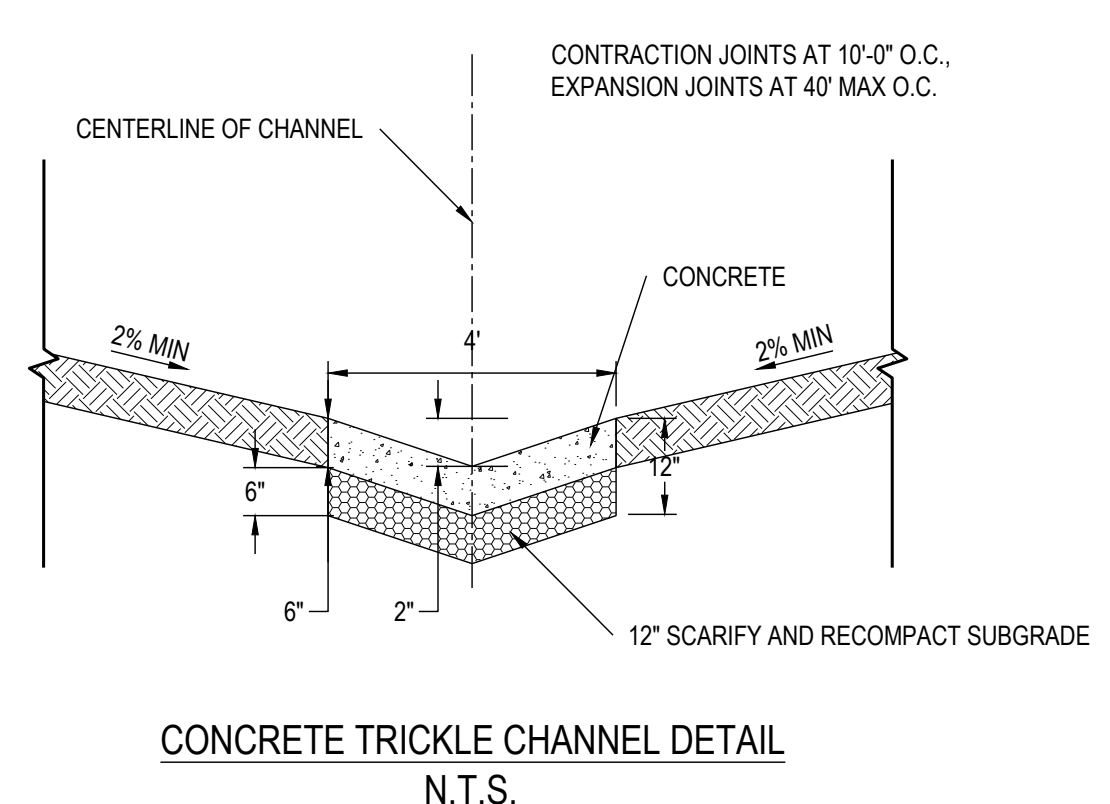
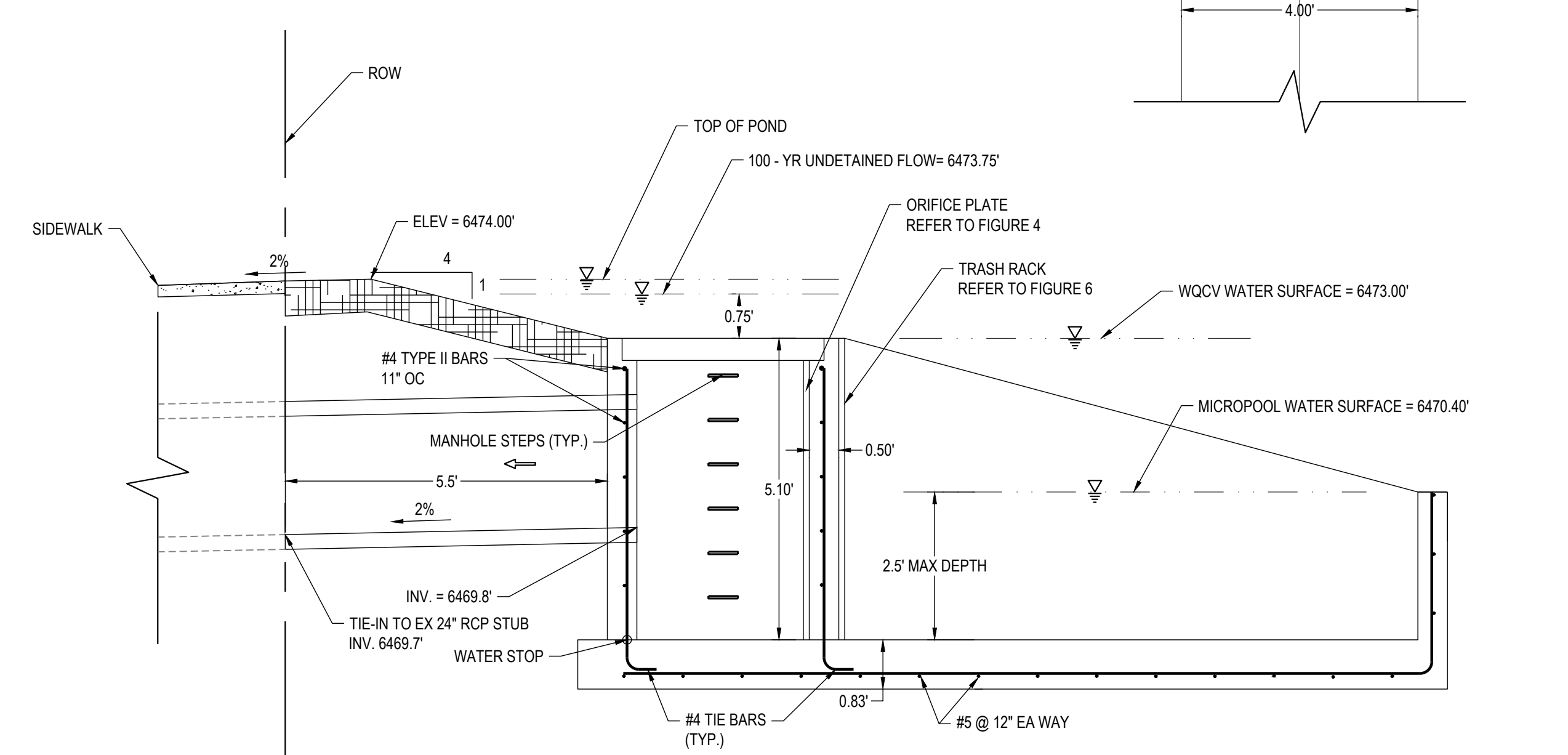
THIS AND ALL OTHER ELECTRONIC MEDIA CONTAINED HEREIN IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A. BERNE... PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MERRICK AND COMPANY.

File Location: Q:\DEV\Projects\0389-00 Mountain View Academy\Design\CD\Final\Phase II-on-site\DRAINAGE DETAILS.dwg Plot Date: 02/28/2020 9:52 AM Last Saved By: FPAYNE

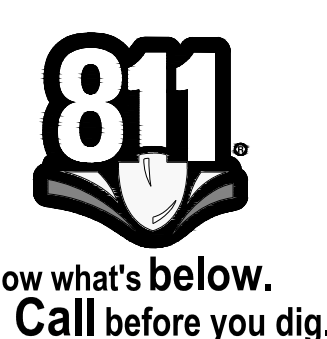


BAR DESCRIPTION AND LOCATION IN STRUCTURE	CONCRETE STRENGTH psi	BAR SIZE	LAP CLASS		#4		#5		#6	
			A	B	A	B	A	B	A	B
BAR WITH SPACING > 2" db CLEAR COVER > db OR BEAM & COLUMN BARS WITH SPACING > db CLEAR COVER > DB	4500	TOP	2'-0"	2'-7"	2'-6"	3'-2"	2'-11"	3'-10"		
			1'-6"	2'-0"	1'-11"	2'-6"	2'-3"	2'-11"		
OTHER CASES	4500	TOP	2'-11"	3'-10"	3'-8"	4'-9"	4'-5"	4'-9"		
			2'-3"	2'-11"	2'-10"	3'-8"	3'-5"	4'-9"		
		BOTTOM	2'-11"	3'-10"	3'-8"	4'-9"	4'-5"	4'-9"		
			2'-3"	2'-11"	2'-10"	3'-8"	3'-5"	4'-9"		

- NOTES:**
- USE THIS TABLE FOR BAR SPLICES UNLESS SPECIFICALLY DETAILED AND DIMENSIONED ON PLANS.
  - FOR TENSION DEVELOPMENT LENGTHS "Ld", USE CLASS "B" SPLICE LENGTHS.
  - ALL SPLICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE ON PLANS.
  - TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW BAR.
  - BOTTOM BARS ARE ALL VERTICAL BARS, ALL HORIZONTAL WALL REINFORCEMENT, AND HORIZONTAL REINFORCEMENT WITH LESS THAN 12" OF CONCRETE CAST BELOW BAR.
  - COVER DESIGNATES CLEAR CONCRETE COVER FROM SPLICED BAR TO FACE OF MEMBER, SPACING DESIGNATES CLEAR DIMENSION BETWEEN SPLICED BARS.
  - STAGGER CONTINUOUS FOOTING BOTTOM SPLICES AT LEAST 6'-0" FROM SPLICES IN OTHER BOTTOM REINFORCEMENT; STAGGER SPICES FOR TOP REINFORCEMENT SIMILARLY.



Gasket required between concrete and Orifice Plate. Unresolved.



Reference tables 9a-1 and 6a-2 is missing.

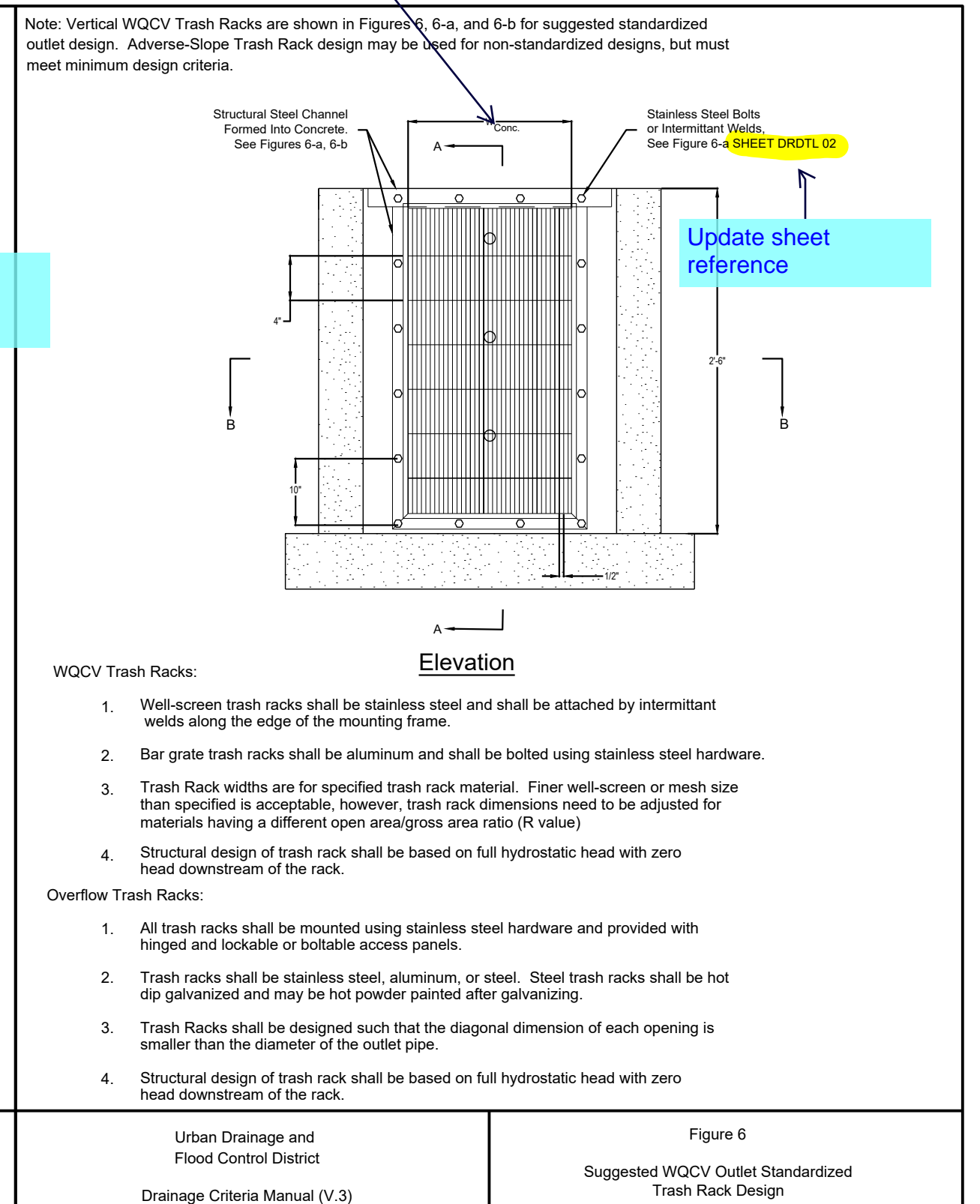
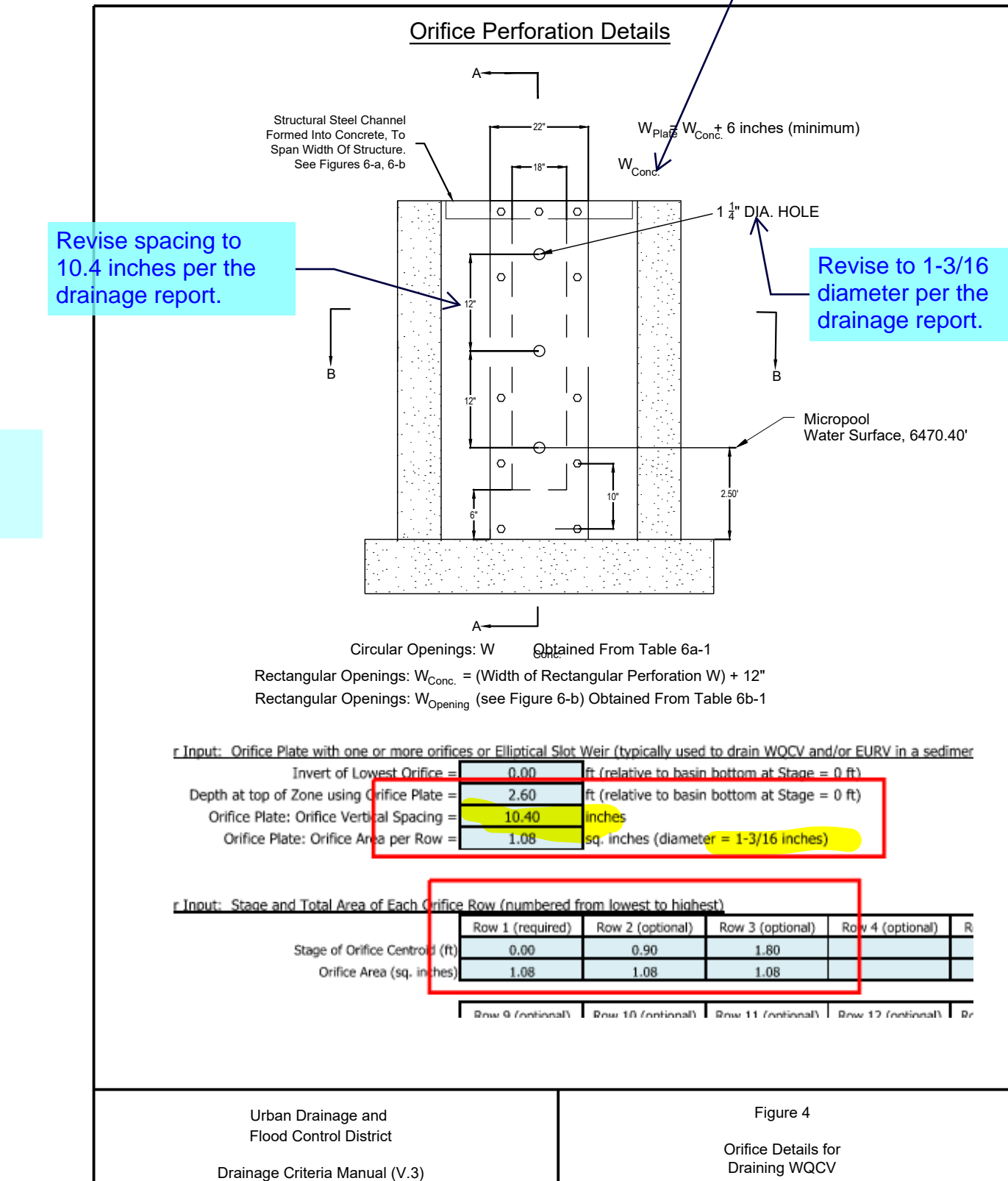
Add the following callout: "Provide continuous neoprene gasket between orifice plate and structure."

provided the dimension for Wconc.

Update detail. Drainage report notes no restriction plate and a 24" dia. pipe.

Replace the 3" min with the actual elevation.

Remove note 2. The orifice plate detail specifies the required orifice hole diameter.



Urban Drainage and Flood Control District Drainage Criteria Manual (V.3) File: Details.dwg	Figure 4 Orifice Details for Draining WQCV	Urban Drainage and Flood Control District Drainage Criteria Manual (V.3) File: Details.dwg	Figure 6 Suggested WQCV Outlet Standardized Trash Rack Design
--	---	--	--

PPR-20-008

**MERRICK**  
Engineering/Architecture/Design/Build/Surveying/Planning/Geospatial Solutions  
5870 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111  
303-751-9744  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
DRAINAGE DETAILS

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

DATE: 02/07/2020  
SHEET: C3.8  
JOB NUMBER: 65120399

20 of 35

THE USE OF THESE PLANS AND SPECIFICATIONS IS AN INVESTMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. A SERVICE PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PHYSICAL INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK FOR THE QUALITY AND ACCURACY OF THE INFORMATION PROVIDED.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II-on-site\STORM PP.dwg Plot Date: 4/28/2020 9:52 AM Last Saved By: FPAYNE

REV	REVISION DESCRIPTION	DATE	CHND/CHKD/APPR

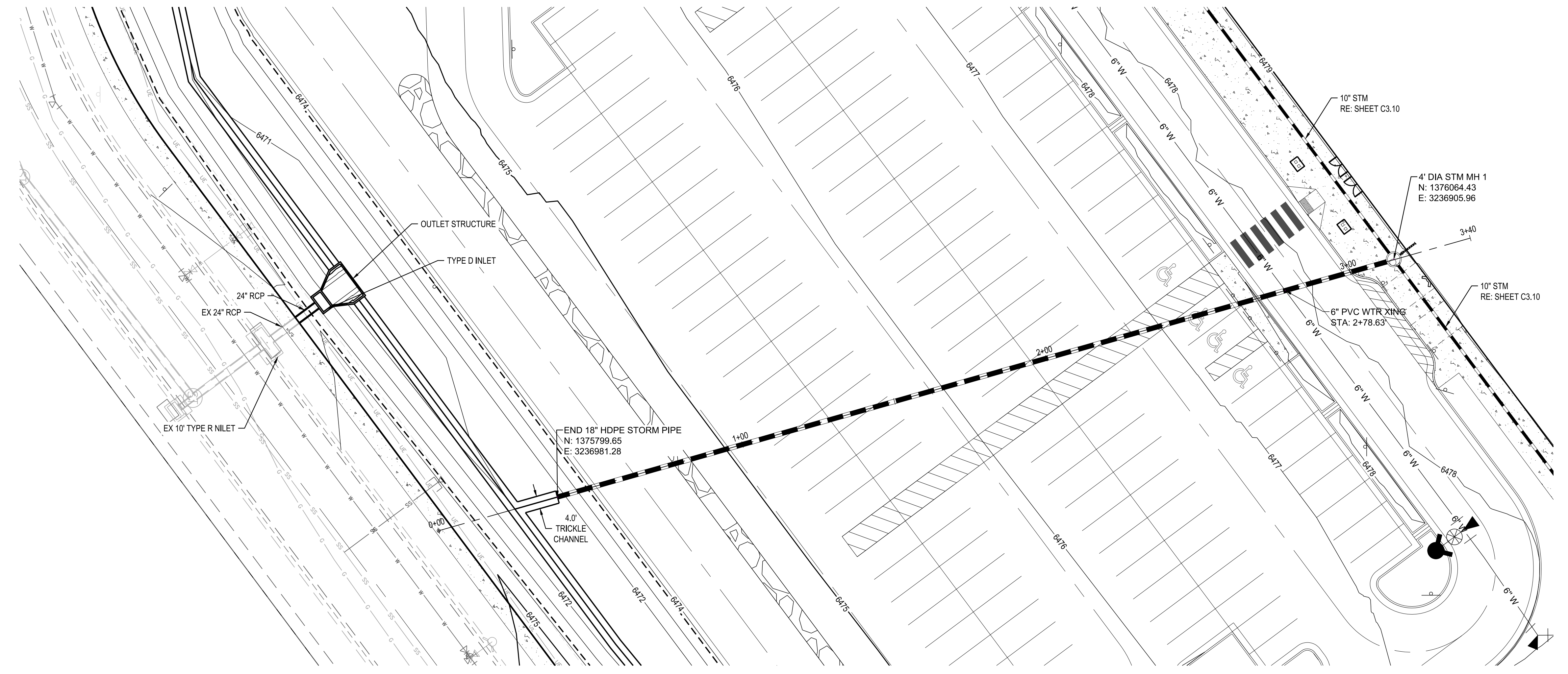
**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
STORM PLAN AND PROFILE

TITLE

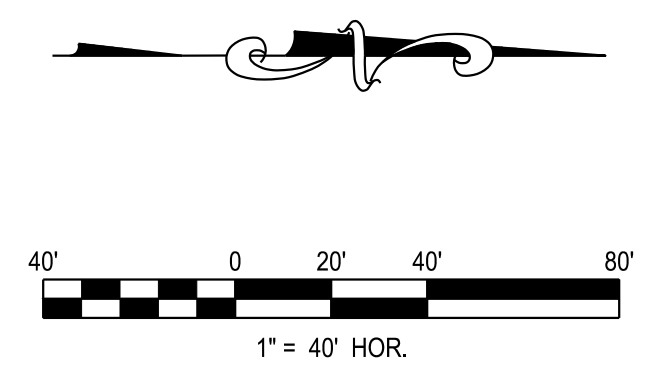
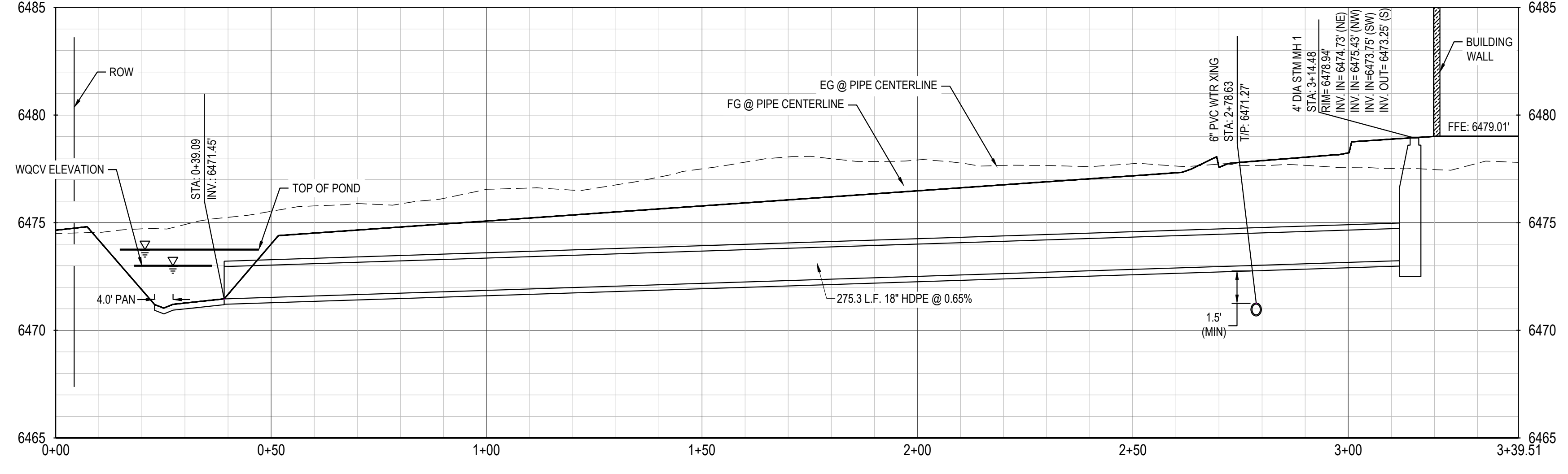
**ISSUED FOR REVIEW**

FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399  
DATE: 02/07/2020  
SHEET: C3.9  
21 of 35



**STORM**

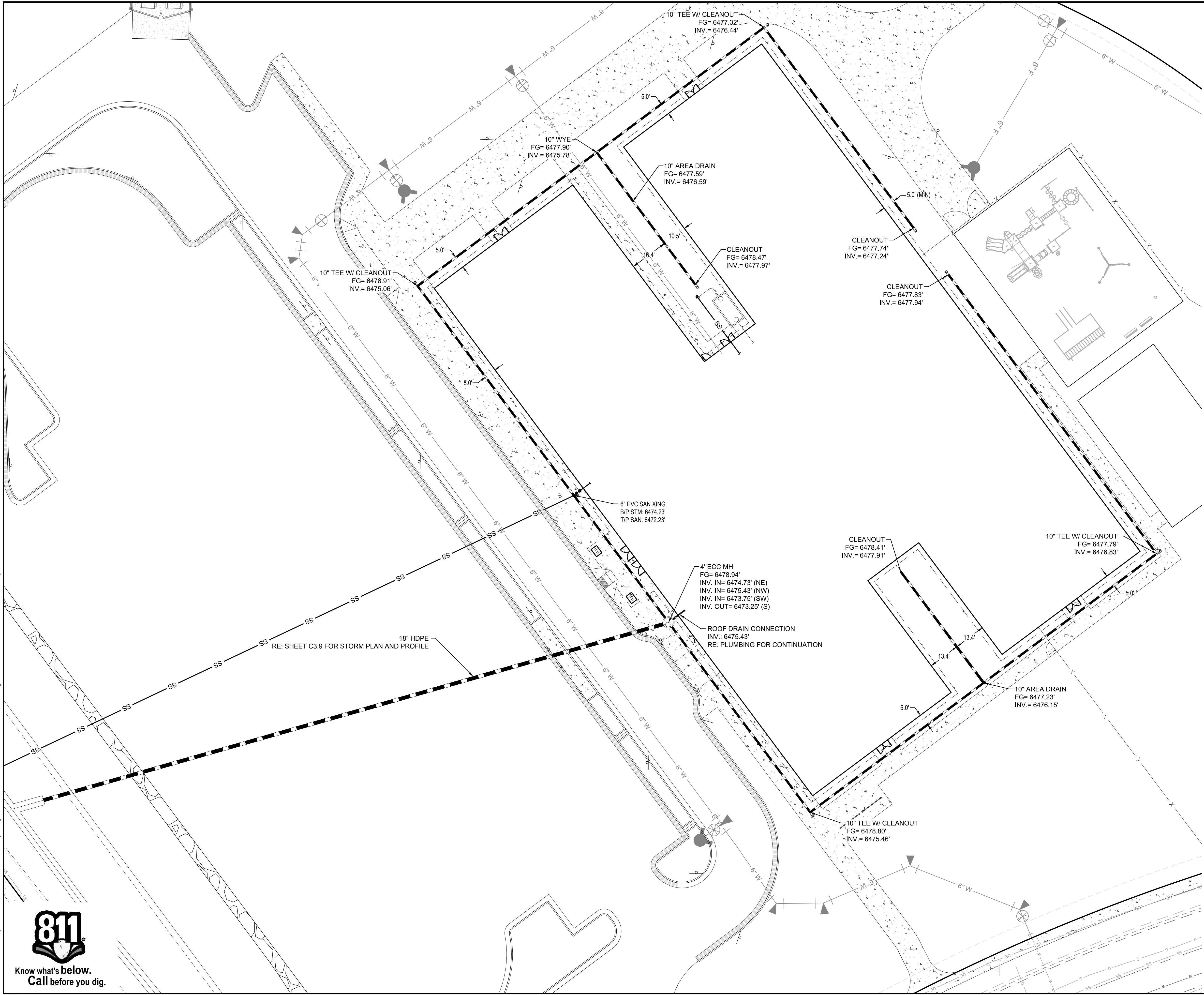


THIS AND ANY OTHER ELECTRONIC MEDIA COMPONENT IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF MERRICK AND COMPANY. ANY UNAUTHORIZED REUSE OR EXTENSION OF THE PROJECT OR ANY OTHER INFORMATION CONTAINED HEREIN SHALL BE AT THE USER'S RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY OR LOSS OF SERVICE TO MERRICK AND COMPANY.

File Location: Q:\DEV\Projects\0389-00 Mountain View Academy\Design\Civil\Phase II-on-site\DWNSPOUT PLAN.dwg Plot Date: 02/28/2020 9:52 AM Last Saved By: FPA/NE



Know what's below. Call before you dig.



**LEGEND**

1. CONTRACTOR TO COORDINATE ROOF DRAIN LOCATIONS WITH ARCH/MEP PLANS. THEN FIELD VERIFY DOWN SPOUT LOCATIONS AND CONNECT TO STORM SEWER.
2. AREA DRAINS TO BE 10" DOME NYOPLAST GRATE INLET.

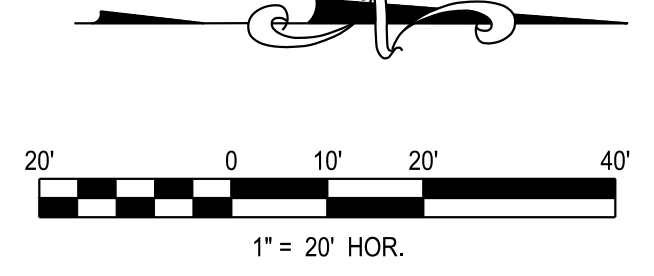


**MOUNTAIN VIEW ACADEMY**  
 CIVIL CONSTRUCTION DOCUMENTS  
 ROOF DRAIN PLAN

ISSUED FOR REVIEW  
 FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER	65120399
DATE	02/07/2020
SHEET	<b>C3.10</b>
22 of 35	

REV	REVISION DESCRIPTION	DATE	CHKD	APP'R

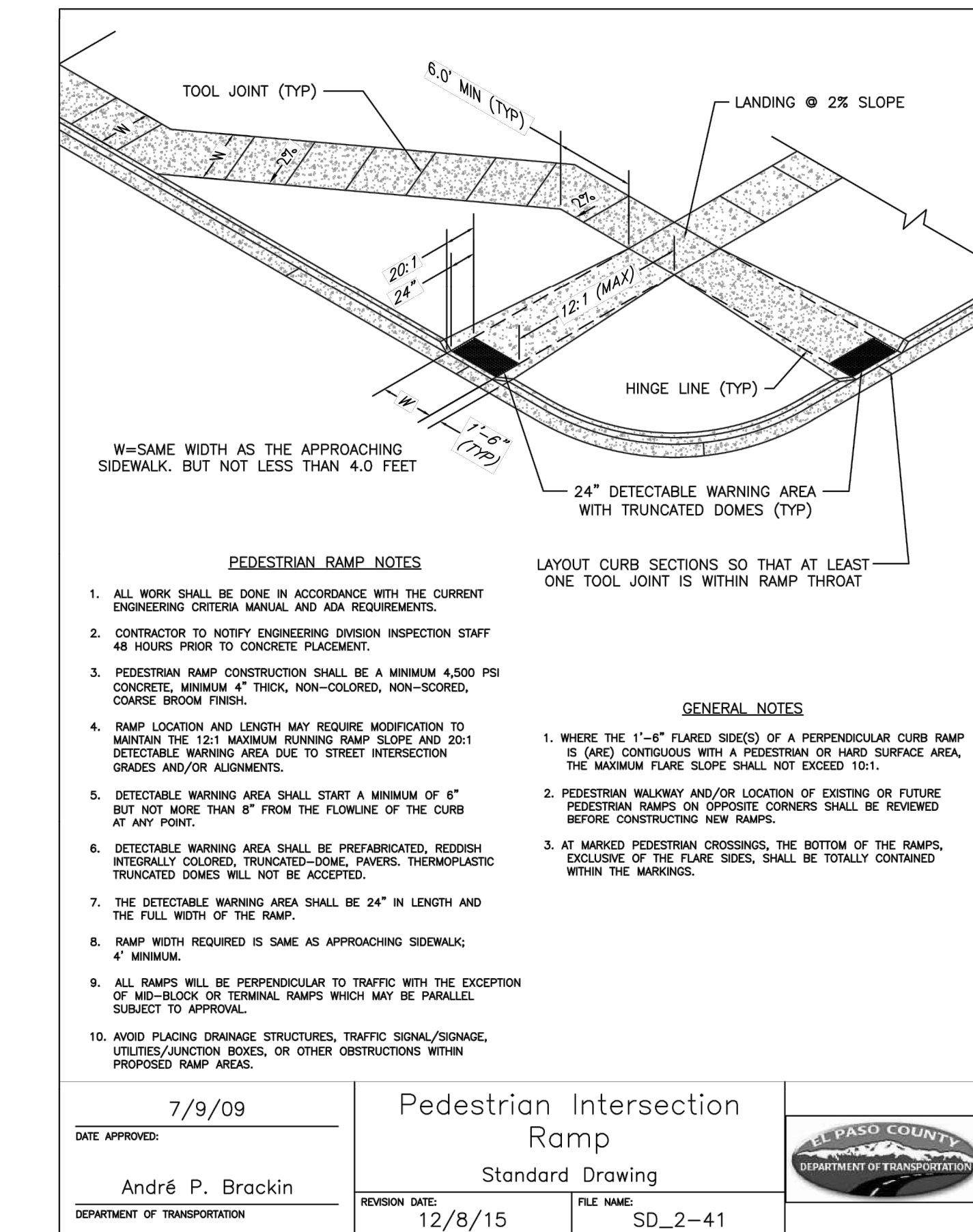
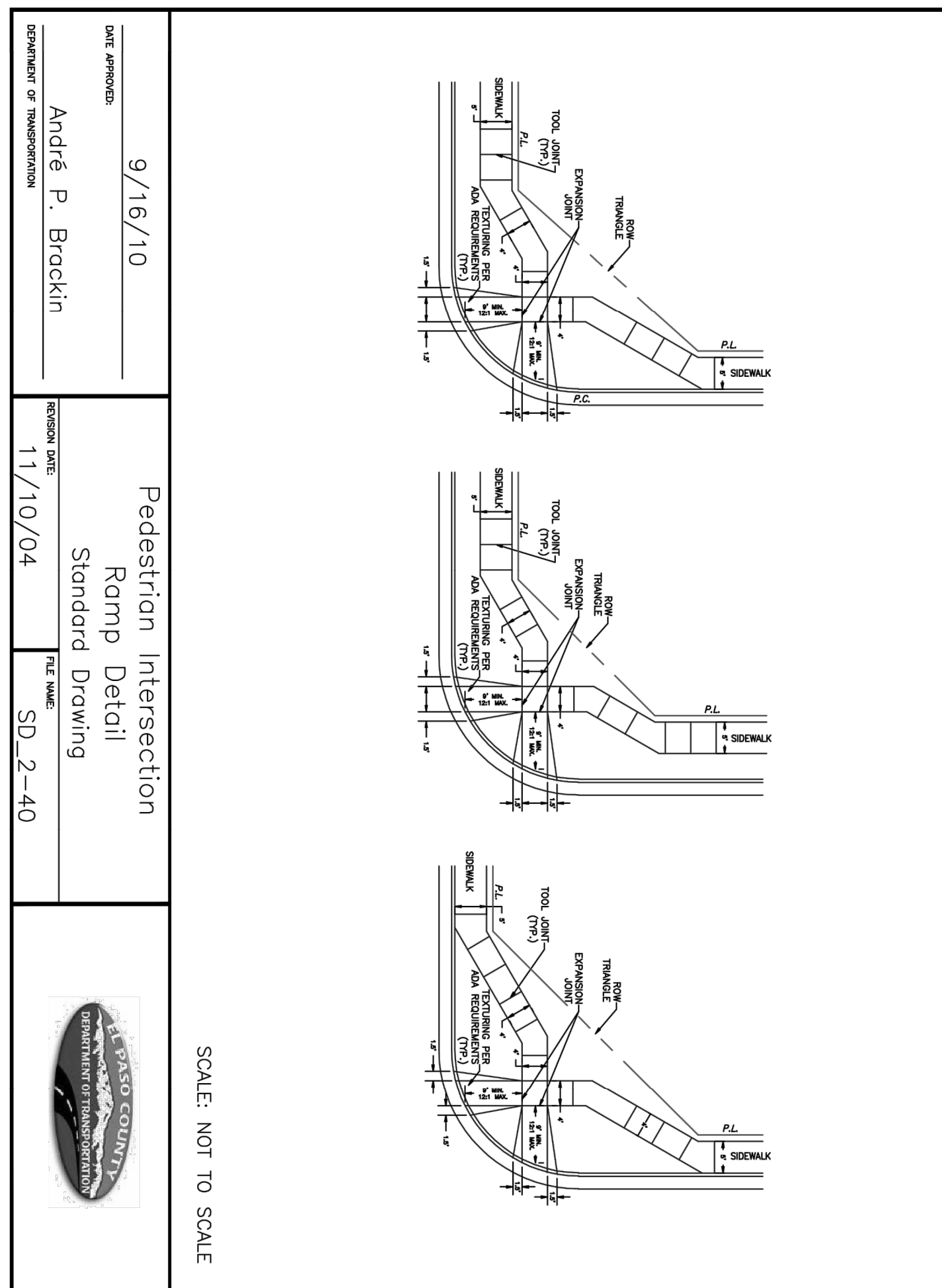
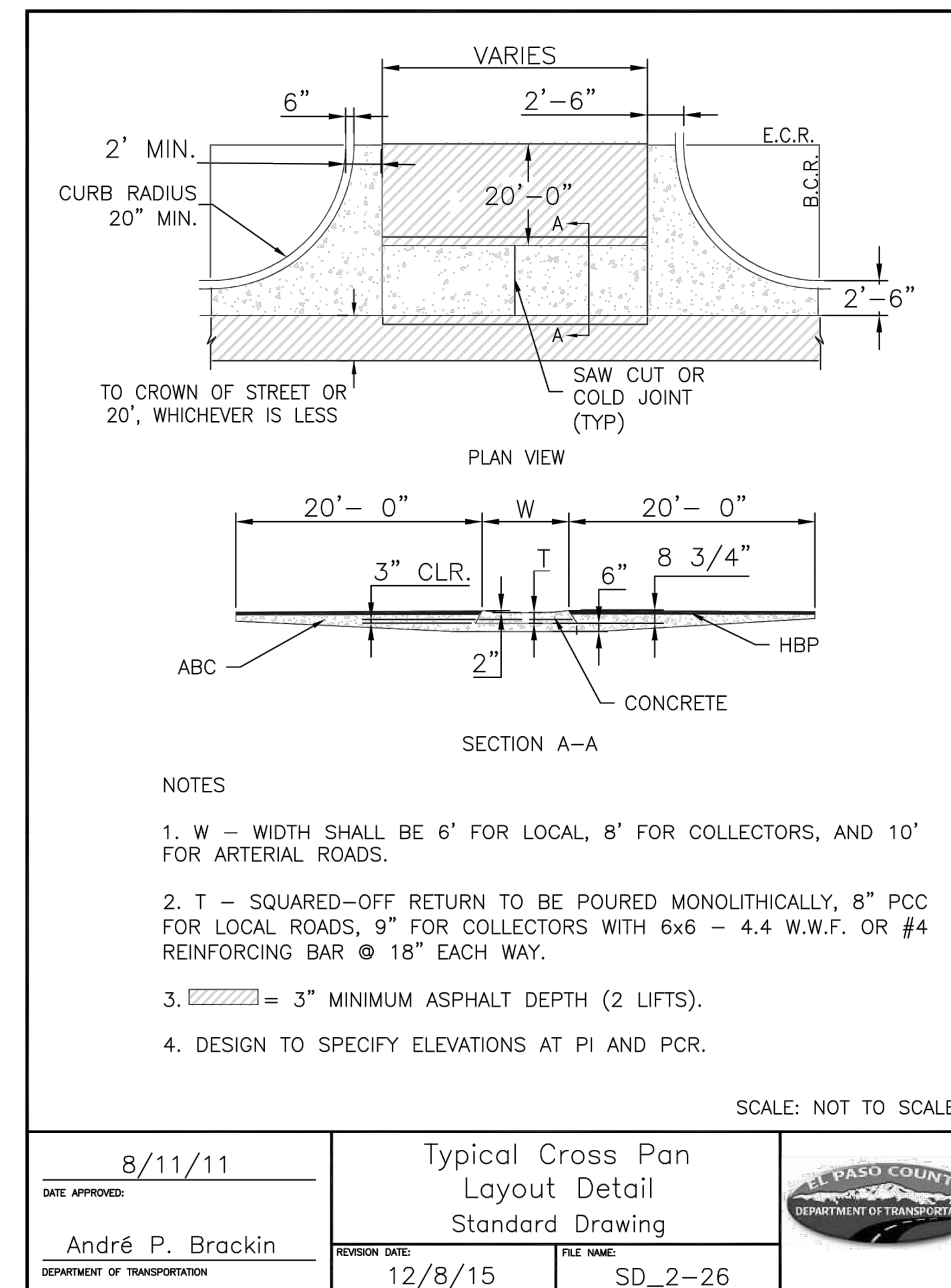
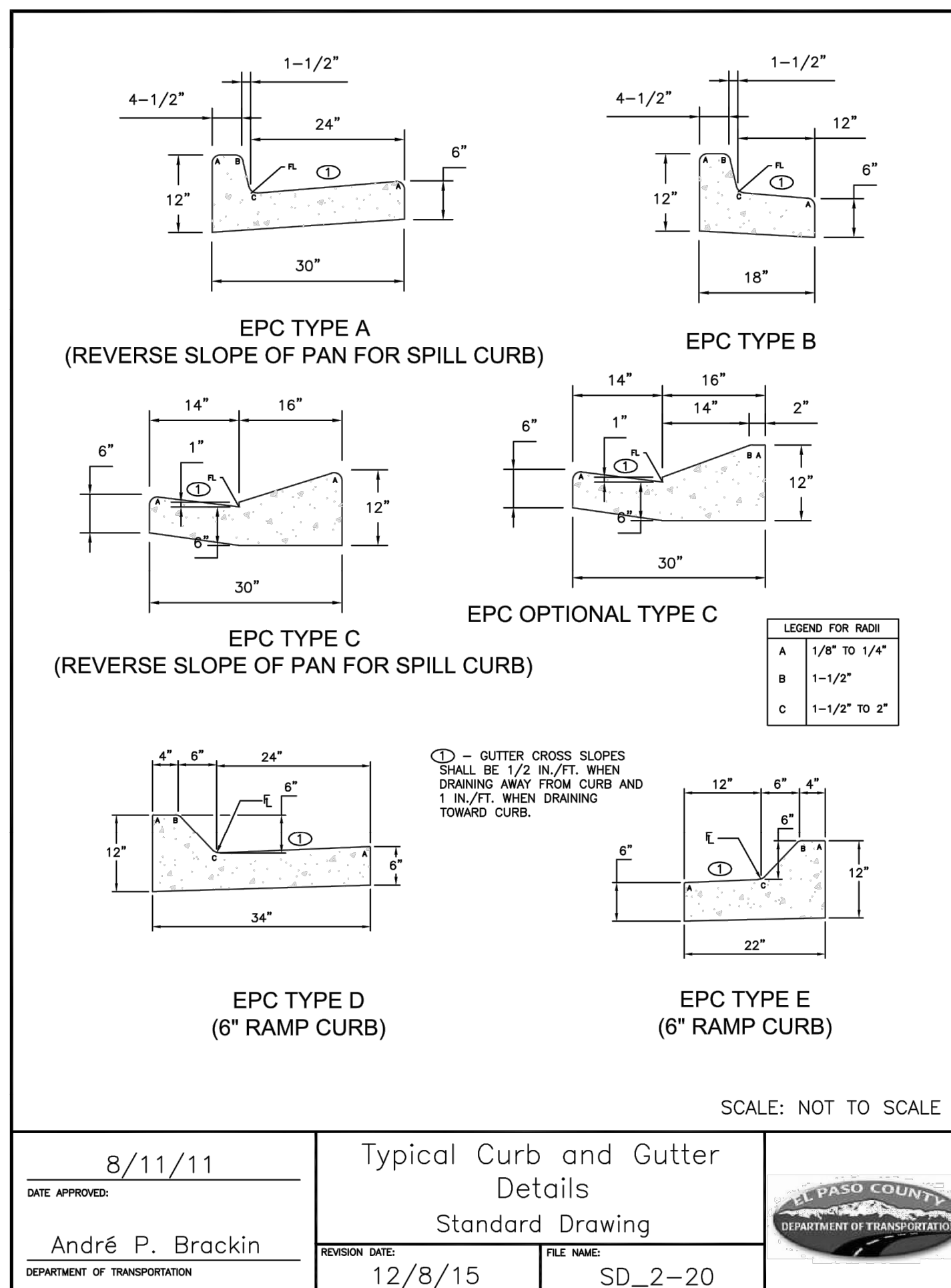


THIS AND ANY OTHER EXISTING MEANS OF TRANSPORTATION IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A SPECIFIC PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PHYSICAL INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO THE USER AND USER'S CLIENT.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\DETAILS.dwg Plot Date: 4/28/2020 9:52 AM Last Saved By: IRYPKEMA



Know what's below.  
Call before you dig.



PPR-20-008



REV	REVISION DESCRIPTION	DATE	CHKD	APPD

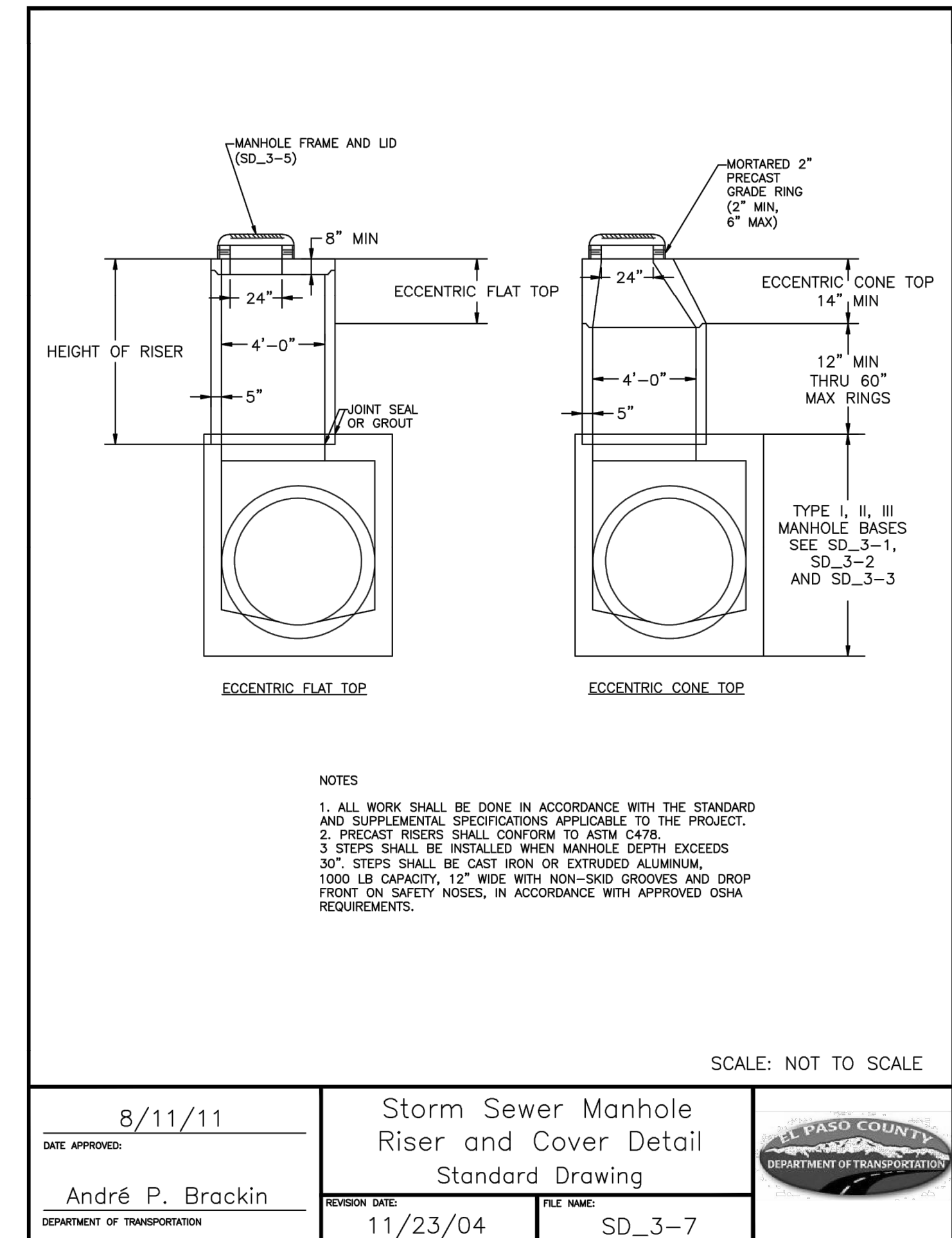
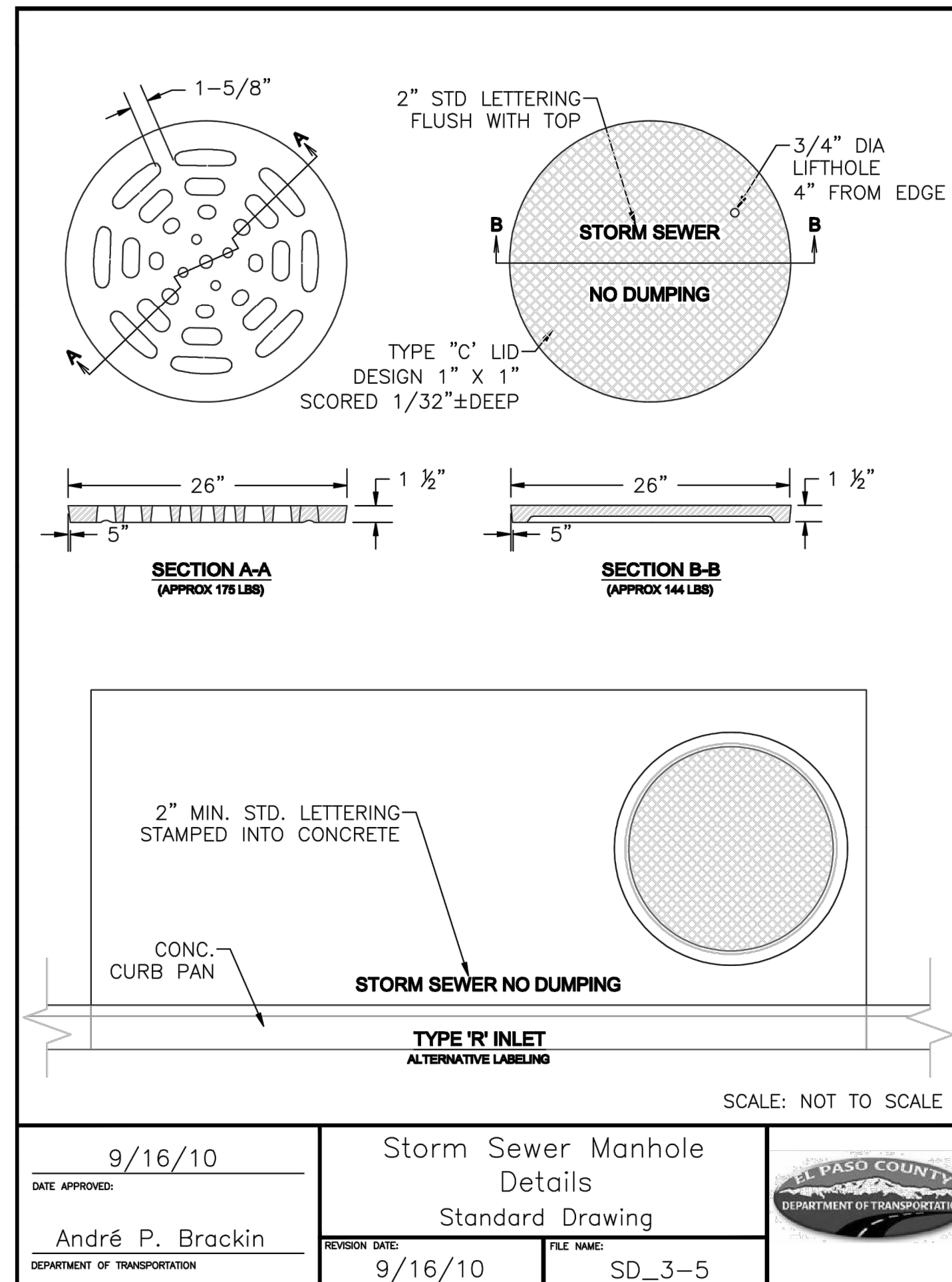
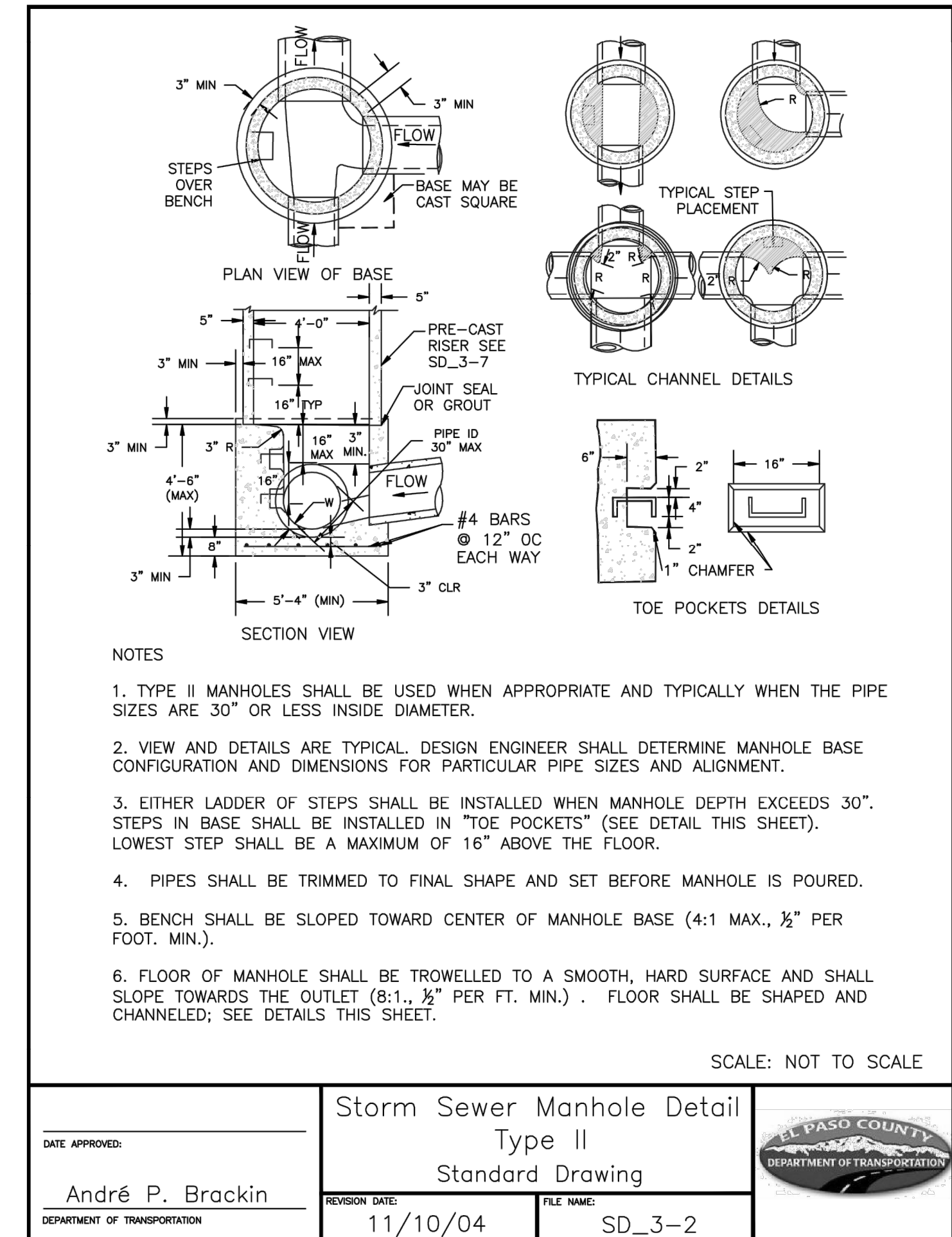
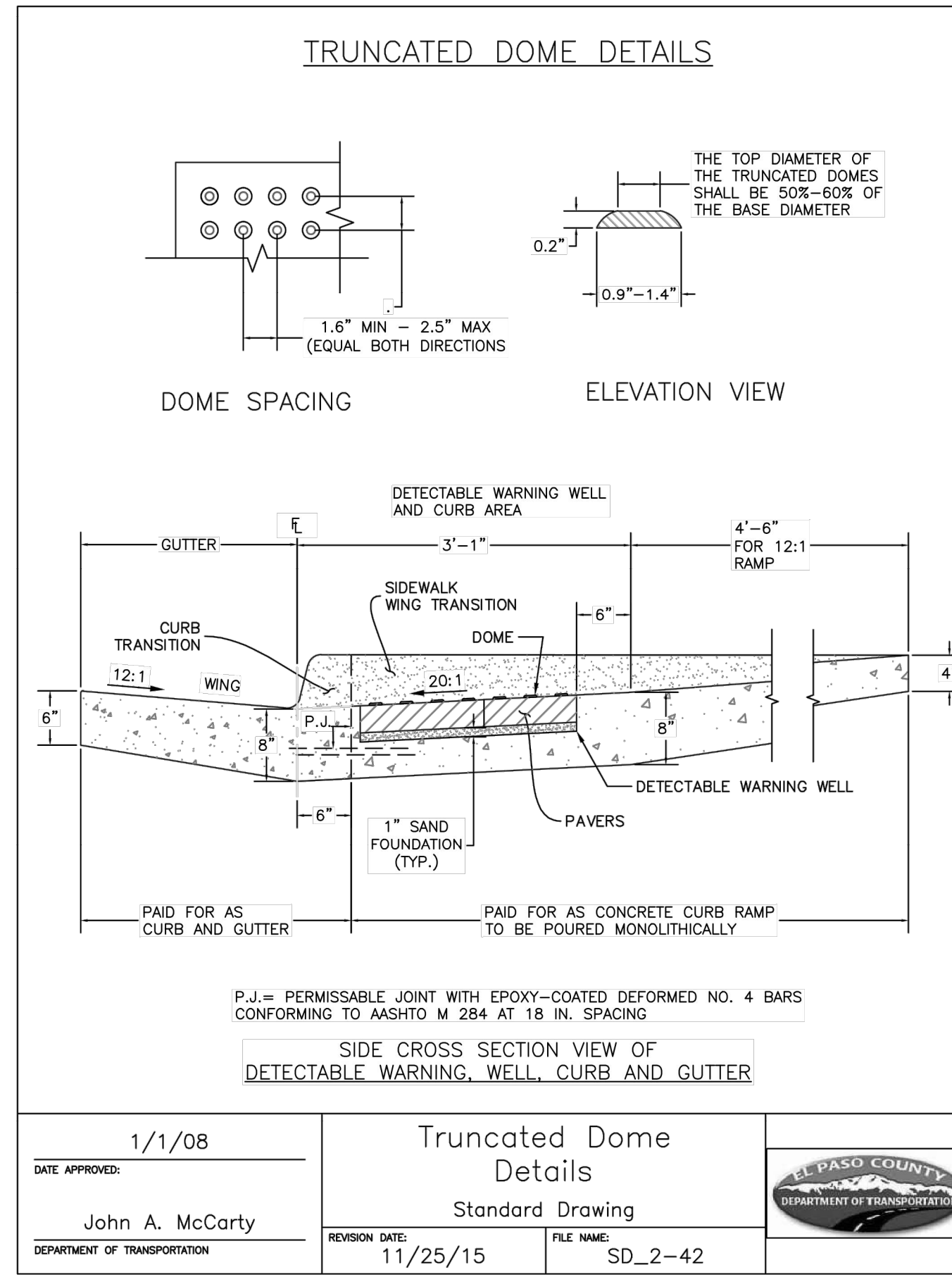
**MOUNTAIN VIEW ACADEMY**  
CIVIL CONSTRUCTION DOCUMENTS  
STANDARD DETAILS

ISSUED FOR REVIEW

JOB NUMBER	65120399	SHEET	C4.0
DATE	04/24/2020		
		23	of 35



Know what's below.  
Call before you dig.



	DATE
	REV/REVISION DESCRIPTION
	(CHND/CHKD/APPR)

ISSUED FOR REVIEW

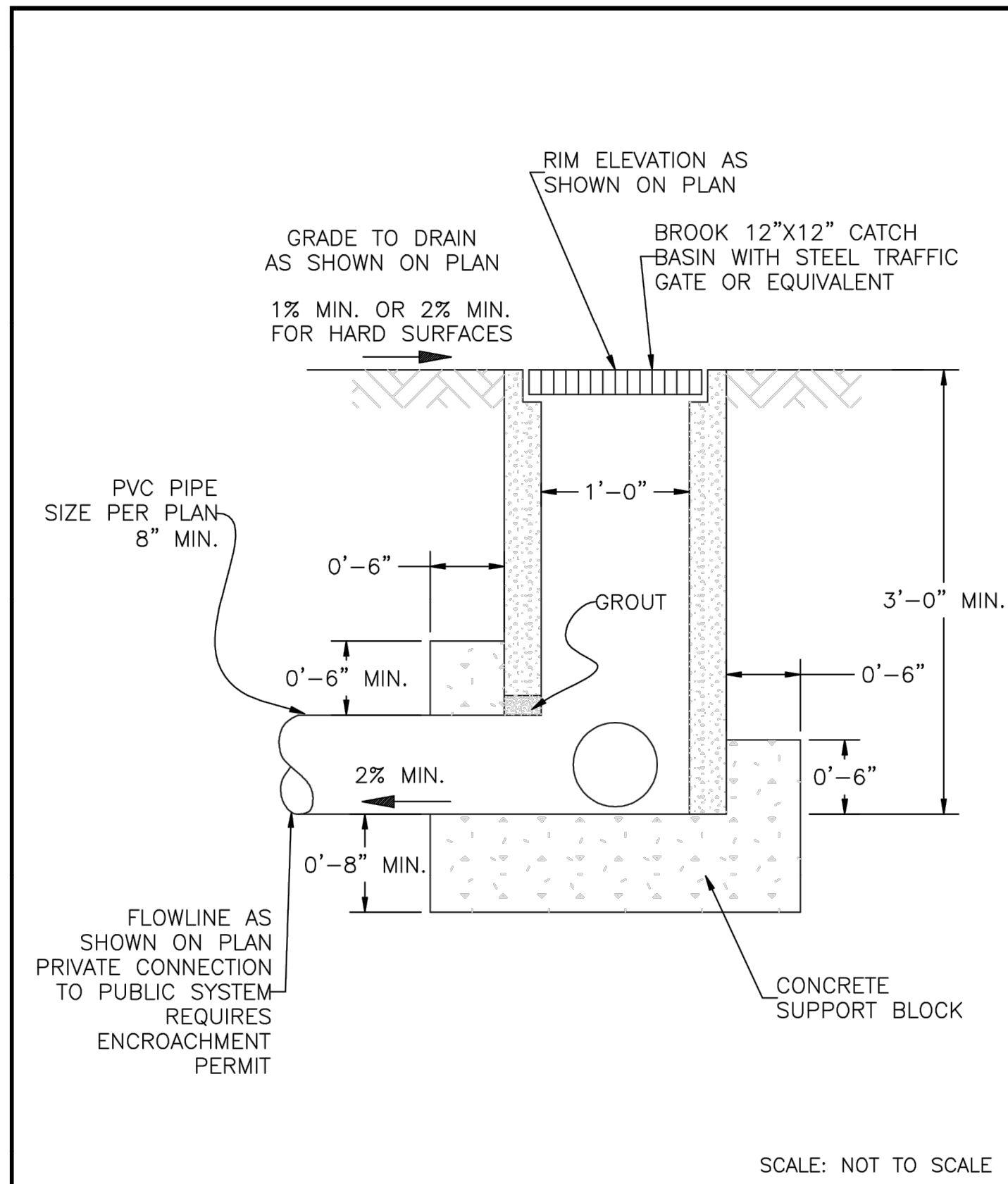


THE USE OF THIS STANDARD DRAWING IS AN ADOPTION OF A STANDARD DRAWING OF THE STATE OF TEXAS. THE DESIGNER OF THIS STANDARD DRAWING IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT OR FOR ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A PART OF THIS STANDARD DRAWING WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY IS STRICTLY PROHIBITED. THE USER OF THIS STANDARD DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

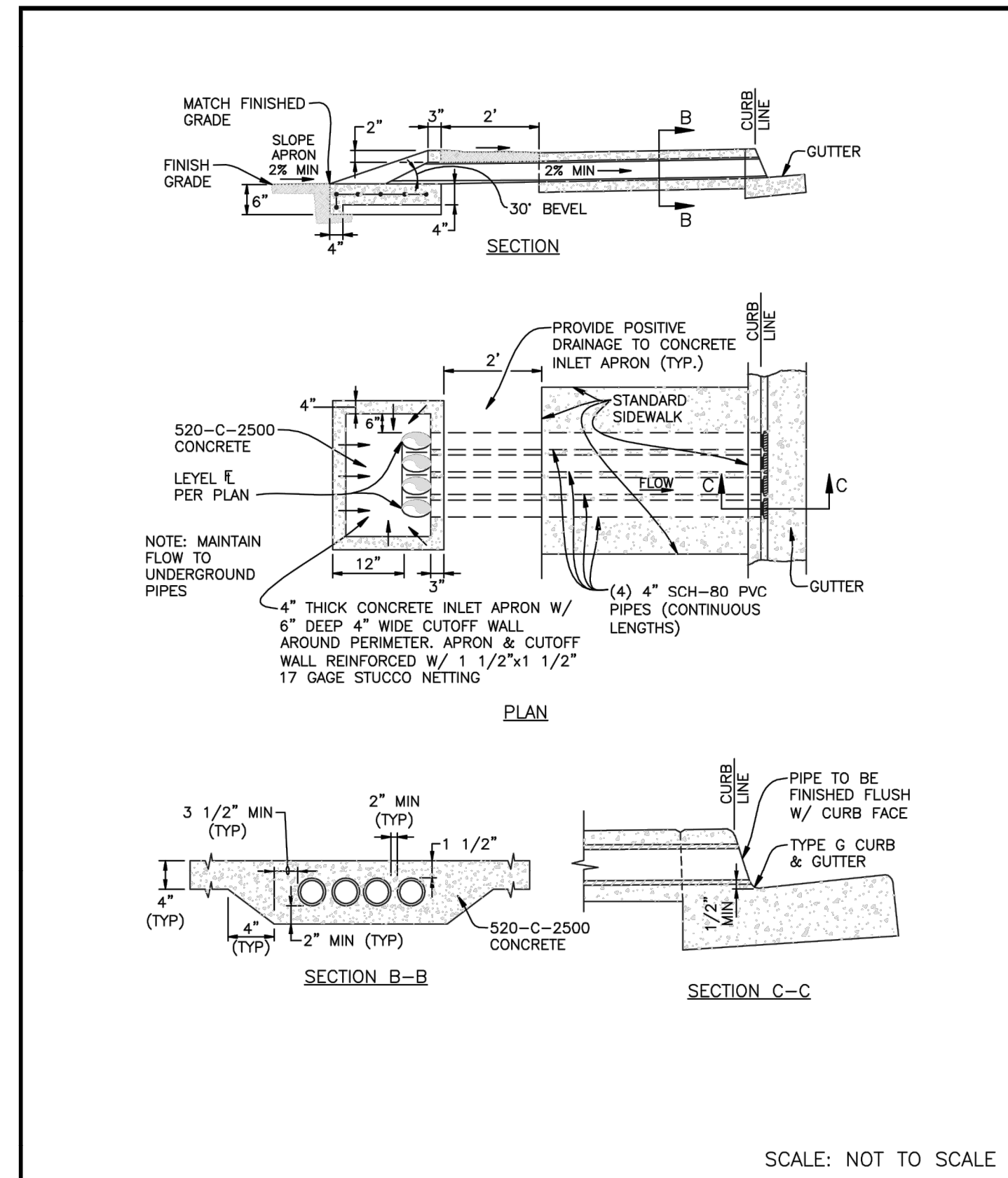
File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\DETAILS.dwg Plot Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEMA



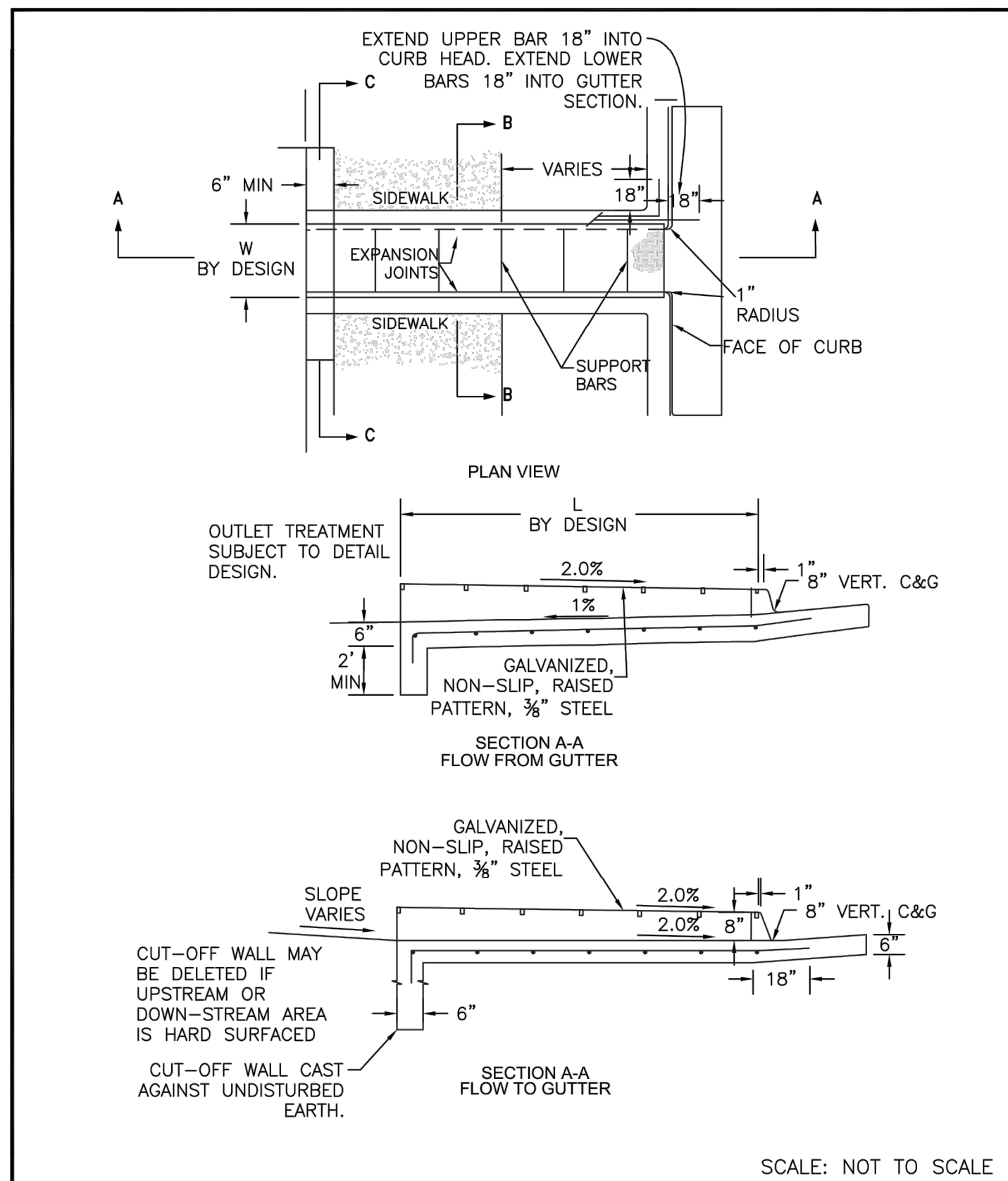
Know what's below.  
Call before you dig.



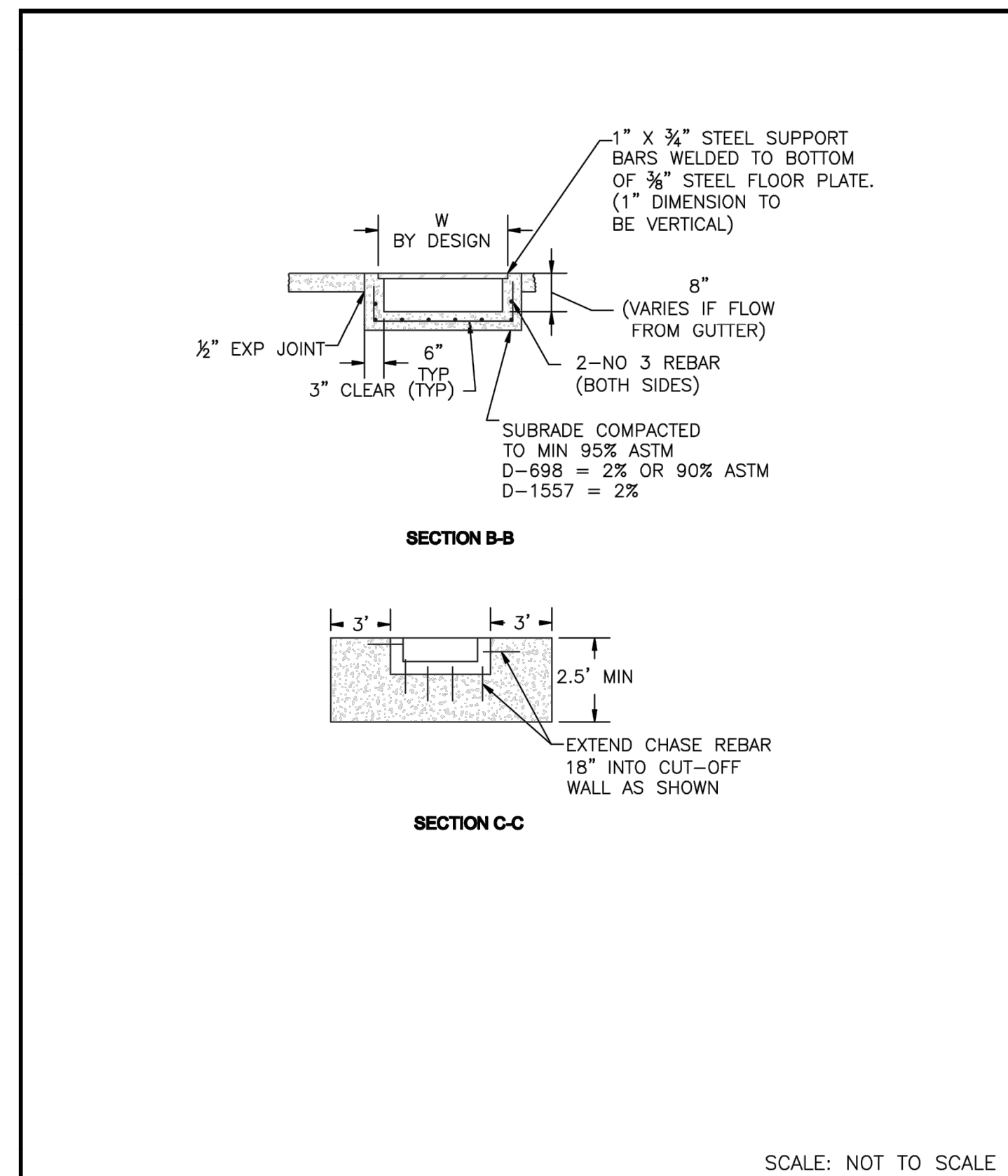
DATE APPROVED: 8/11/11	Grate Inlet for Common Areas (guidance) Standard Drawing	
André P. Brackin	REVISION DATE: 11/10/04 FILE NAME: SD_3-8	



DATE APPROVED: 8/11/11	Sidewalk Underdrain With Curb Outlet Detail Standard Drawing	
André P. Brackin	REVISION DATE: 11/10/04 FILE NAME: SD_3-24	



DATE APPROVED: 8/11/11	Curb Opening with Drainage Chase Detail 1 of 2 Standard Drawing	
André P. Brackin	REVISION DATE: 12/8/15 FILE NAME: SD_3-25	



DATE APPROVED: 8/11/11	Curb Opening with Drainage Chase Detail 2 of 2 Standard Drawing	
André P. Brackin	REVISION DATE: 11/10/04 FILE NAME: SD_3-25A	

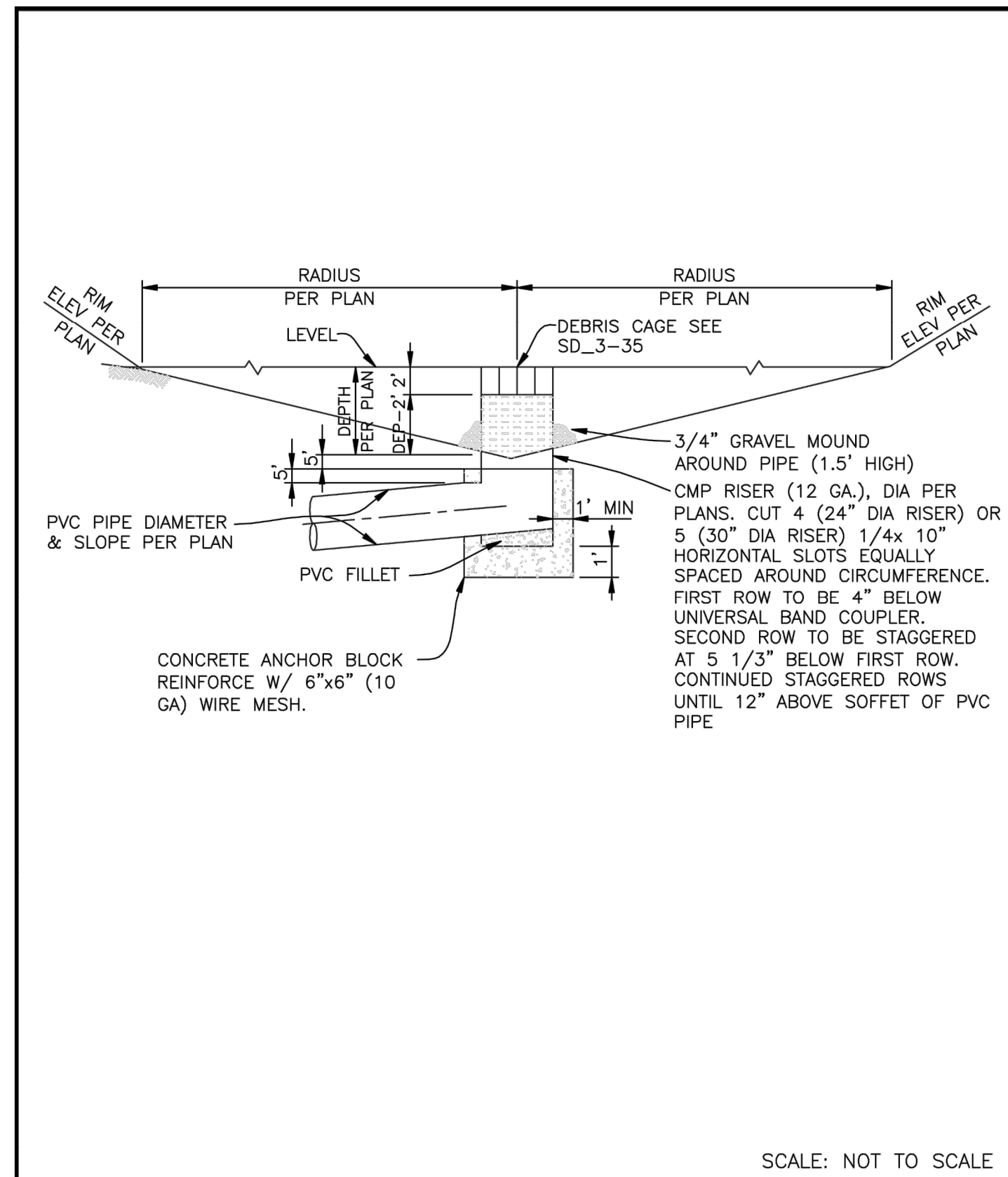
REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

THIS AND ALL OTHERS IS/ARE HEREBY ADVISED THAT THE INFORMATION CONTAINED HEREIN IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.

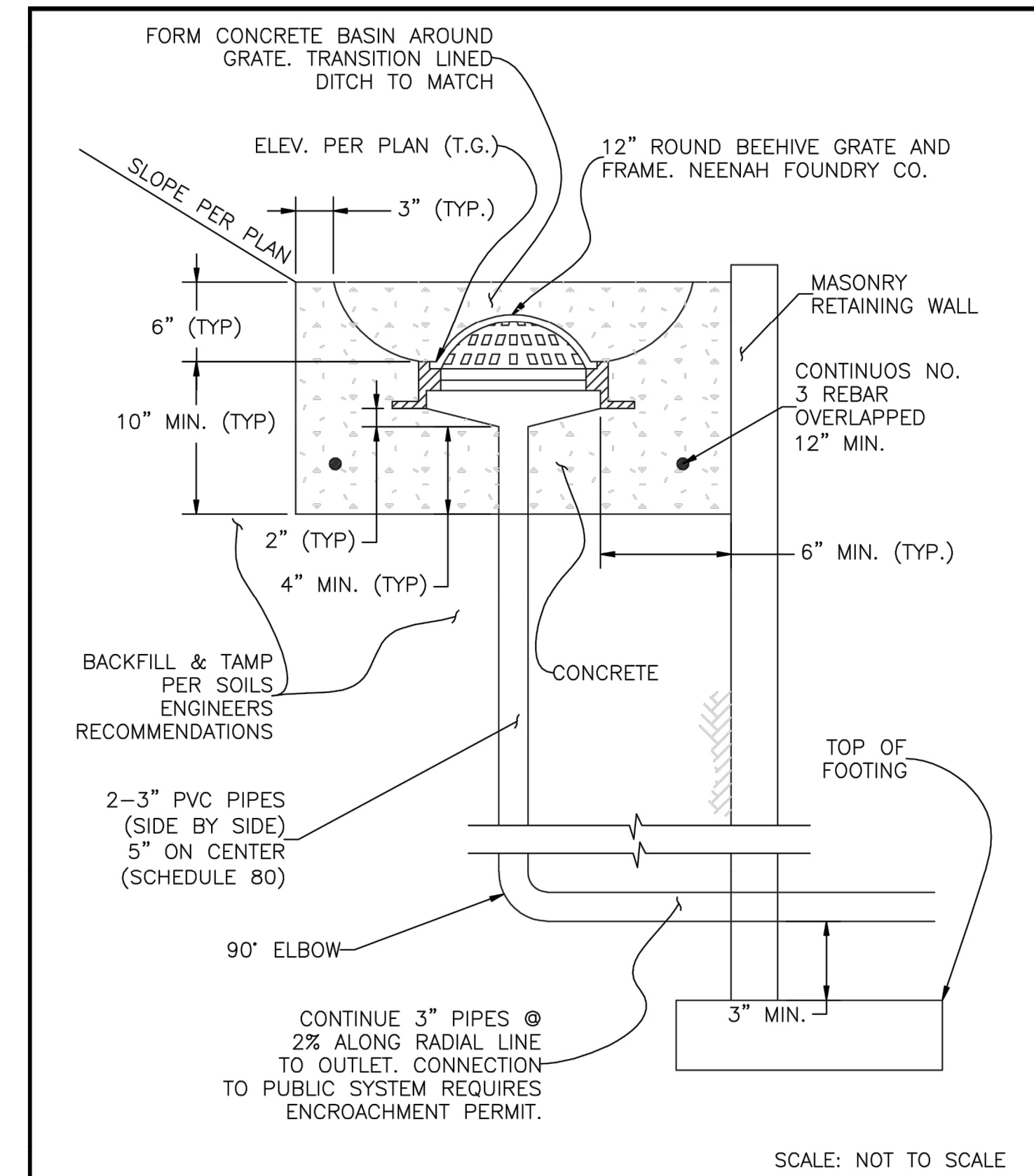
File Location: C:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Phase II\on-site\DETAILS.dwg Plot Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEMA



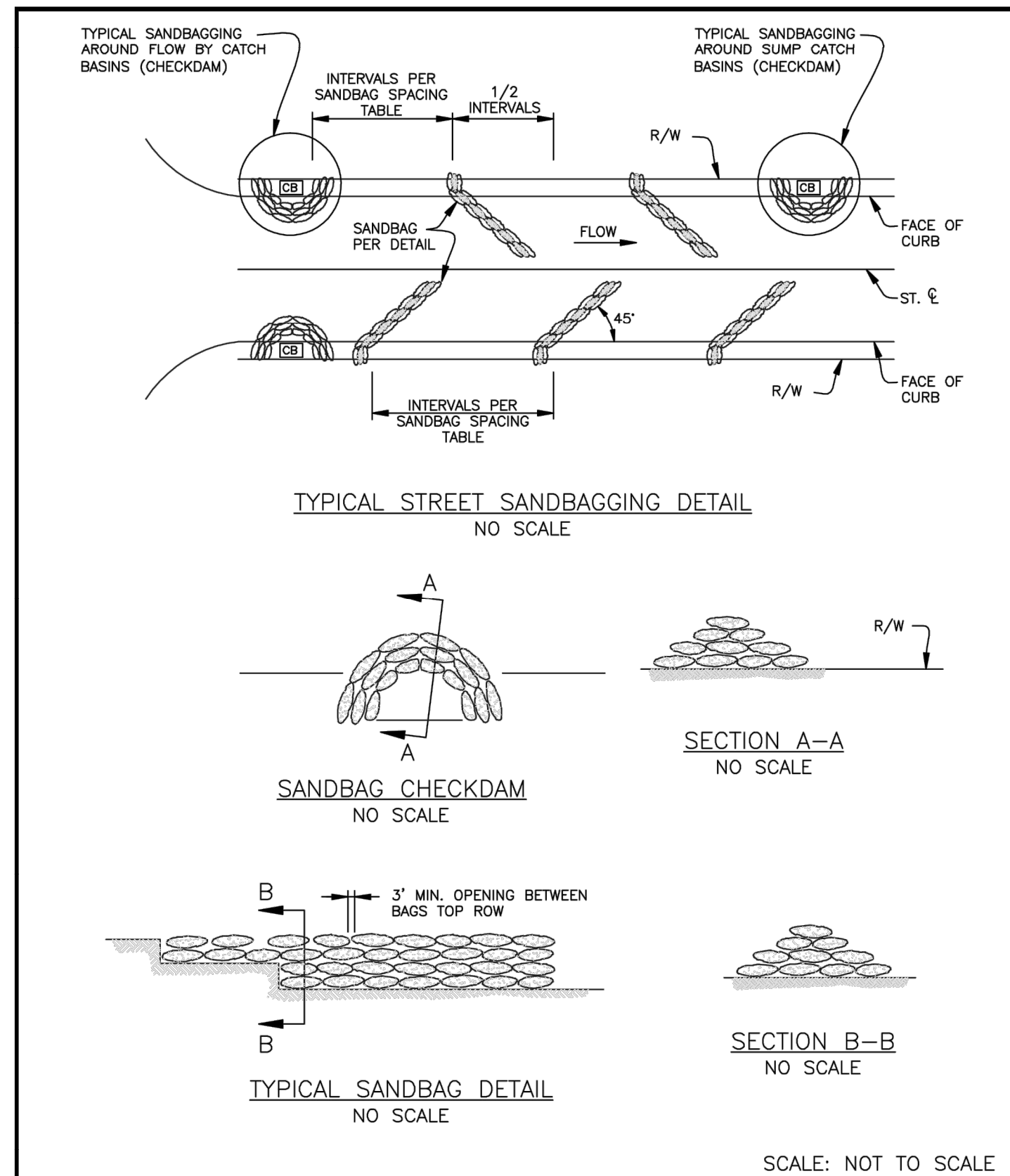
Know what's below.  
Call before you dig.



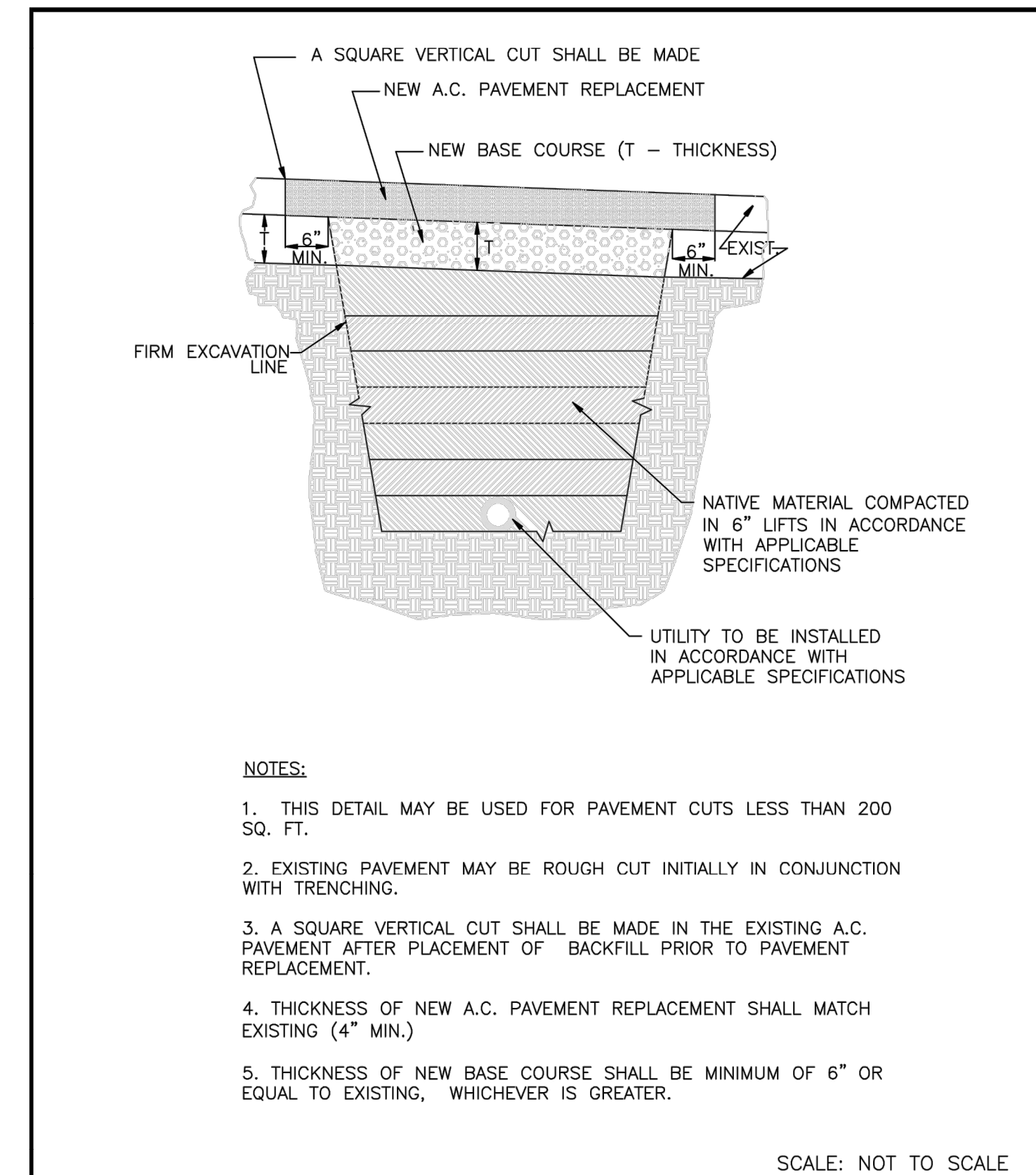
DATE APPROVED: 8/11/11	Desilting Basin Outlet		
André P. Brackin	Standard Drawing		
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 11/10/04	FILE NAME: SD_3-30	



DATE APPROVED: 8/11/11	Beehive Grate Detail (guidance)		
André P. Brackin	Standard Drawings		
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 11/10/04	FILE NAME: SD_3-48	



DATE APPROVED: 8/11/11	Temporary Street Sandbag Detail and Section		
André P. Brackin	Standard Drawing		
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 11/10/04	FILE NAME: SD_3-60	



DATE APPROVED: 8/11/11	Utility Trench Repair Detail Asphalt Pavement		
André P. Brackin	Standard Drawing		
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 11/10/04	FILE NAME: SD_4-20	

REV	REVISION DESCRIPTION	DATE	CHND/CHKD/APPR

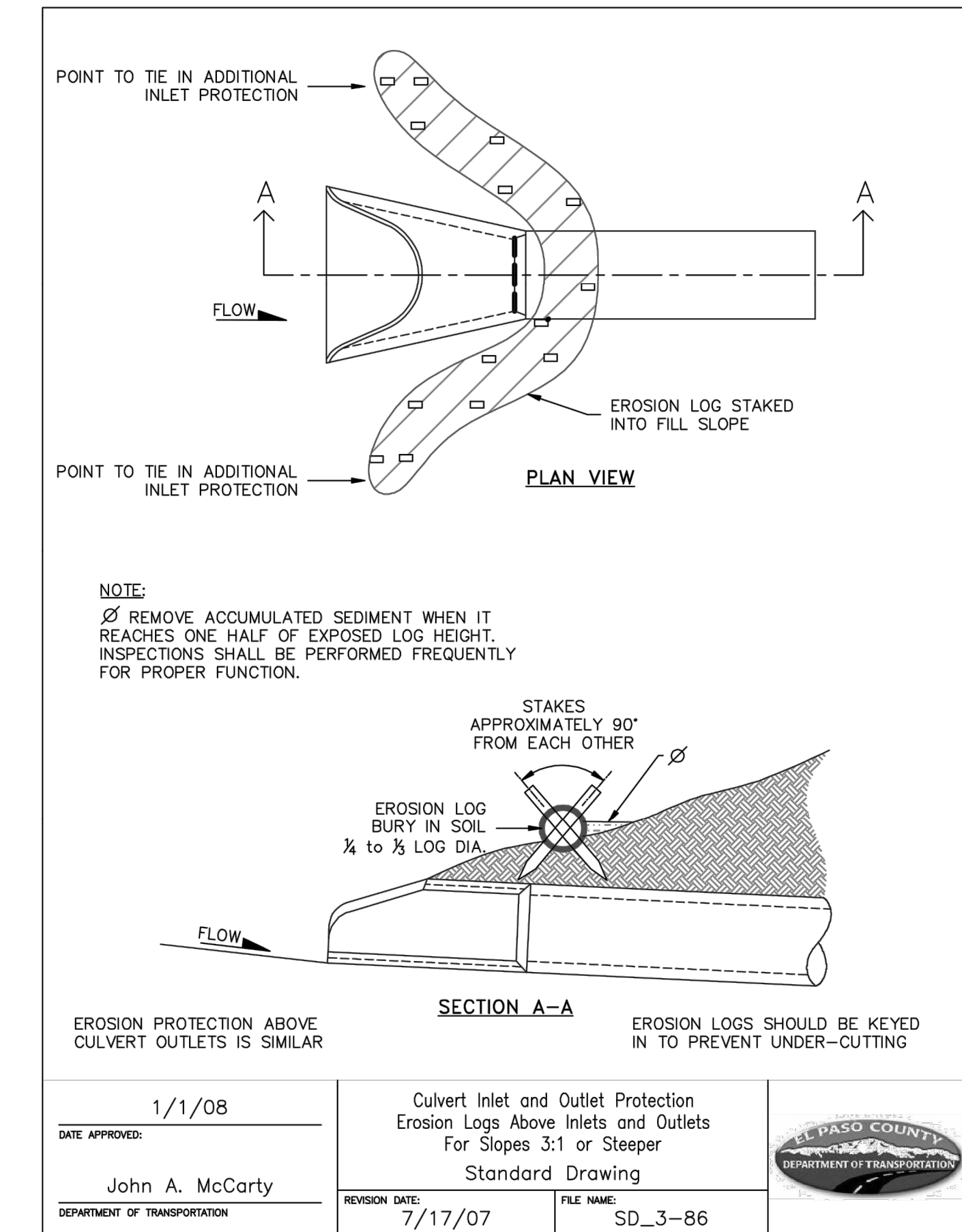
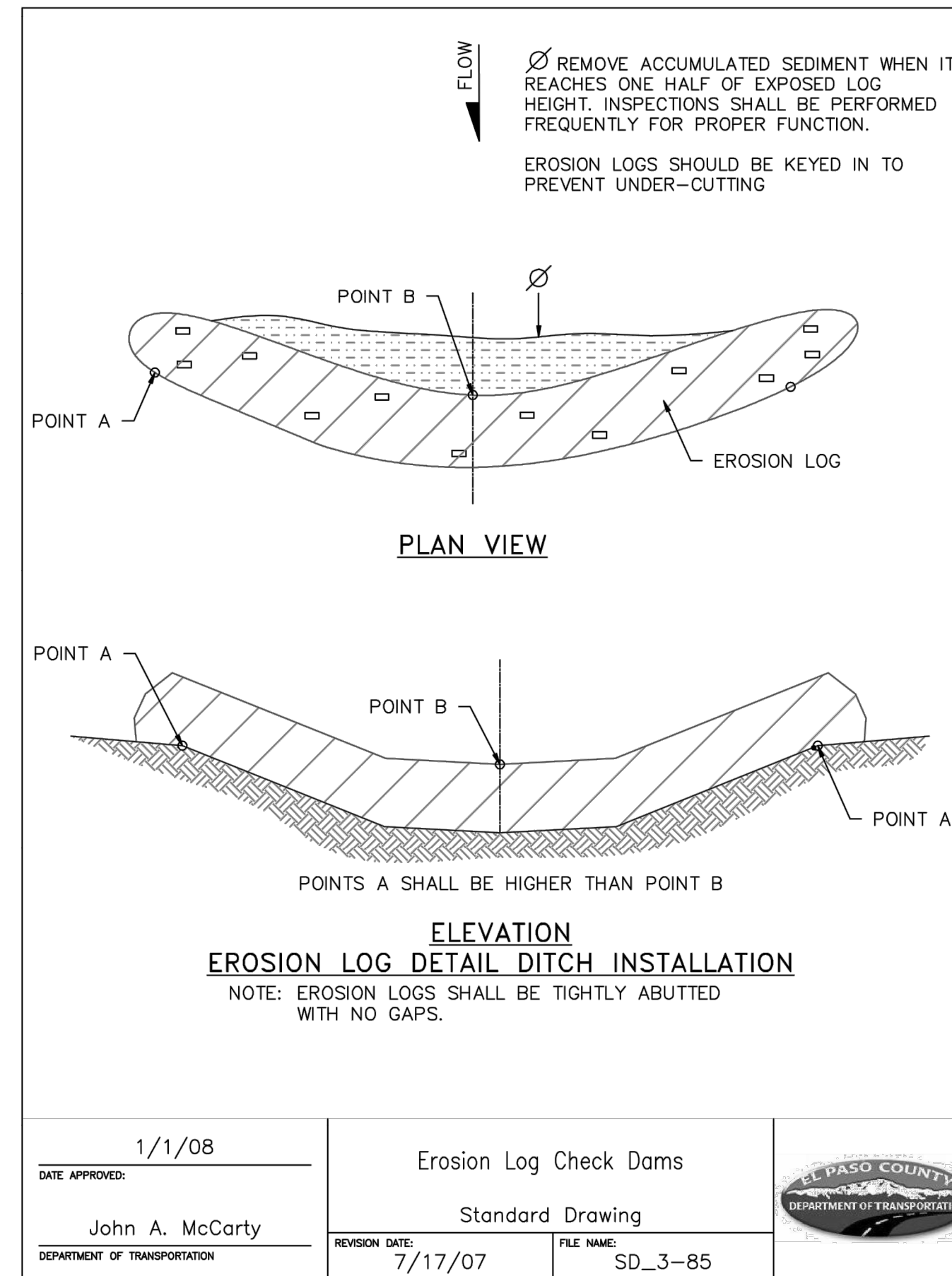
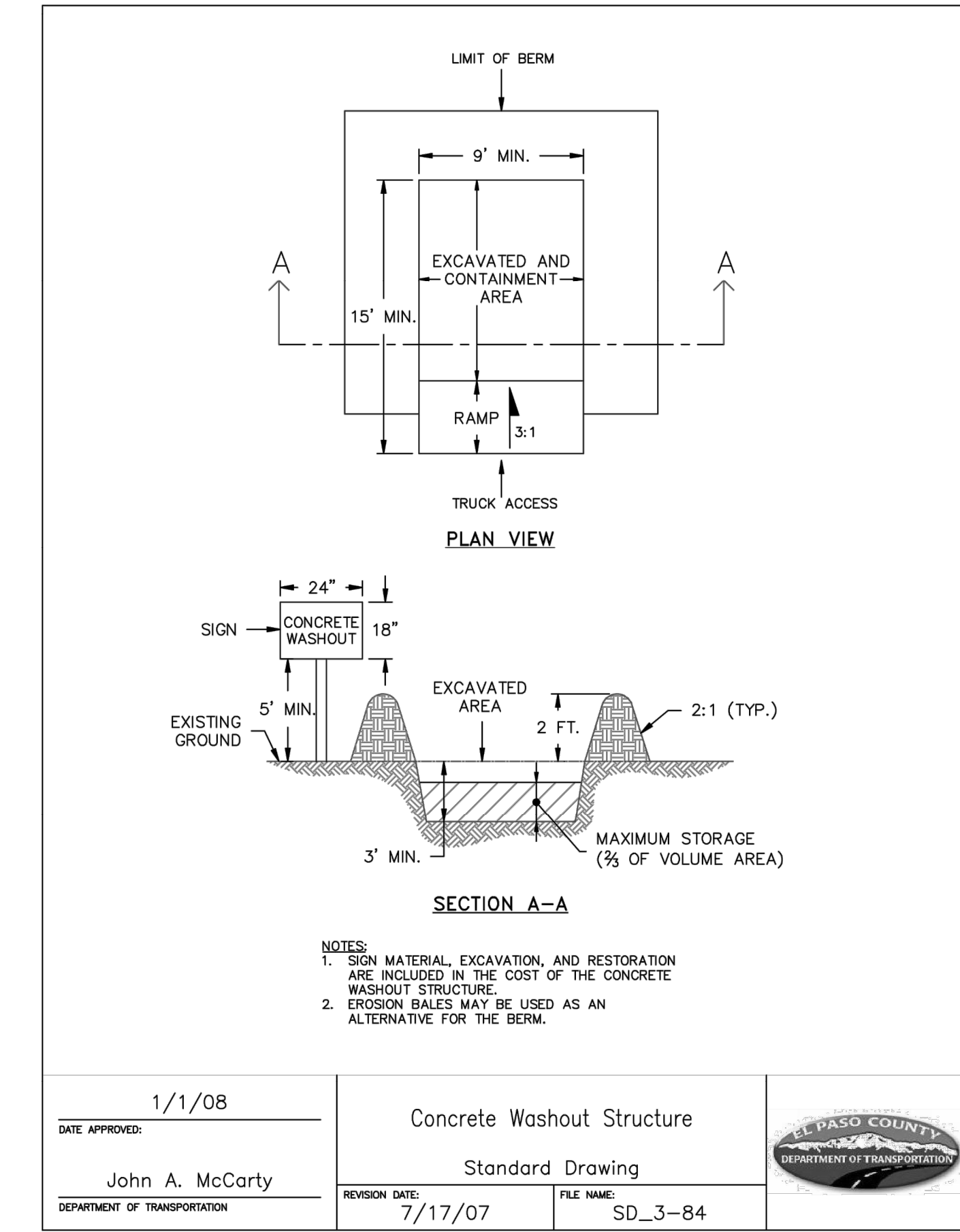
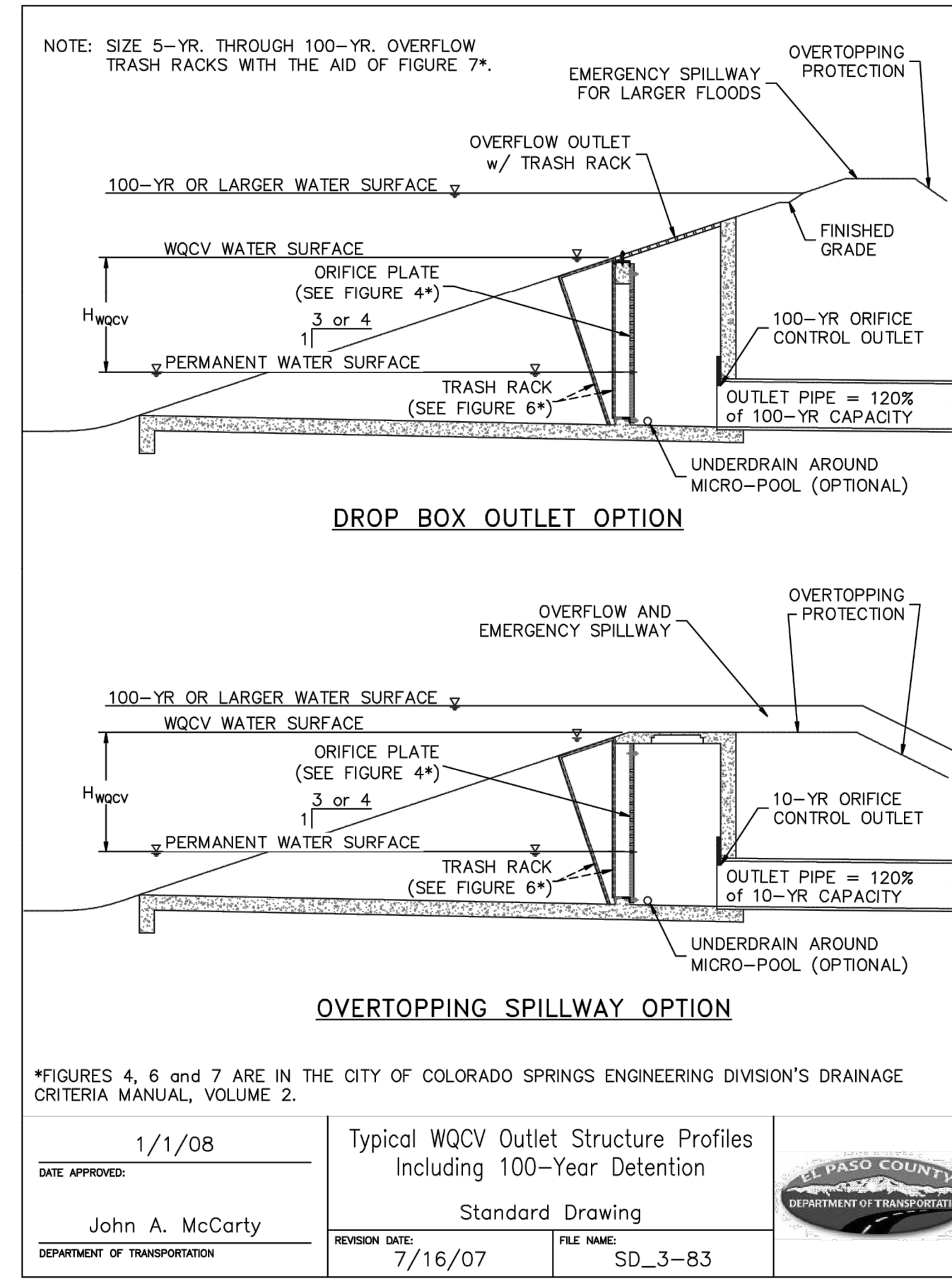
ISSUED FOR REVIEW

THIS DRAWING, SPECIFICATIONS, CONTRACT AND ANY INSTRUMENTS OF SERVICE, PREPARED BY MERRICK AND COMPANY, IS A SERVICE PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART OR IN EXTENDING OF THE PROJECT OR ON ANY OTHER PROJECT. ANY CHANGES, OMISSIONS, ALTERATIONS, OR ANY INSTRUMENTS OF SERVICE, PREPARED BY MERRICK AND COMPANY, SHALL BE AT THE USER'S RISK. THE USER SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND CONSENTS.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDS\Civil\Phase II\on-site\DETAILS.dwg Plot Date: 4/28/2020 9:53 AM Last Saved By: RYPKEMA



Know what's below.  
Call before you dig.

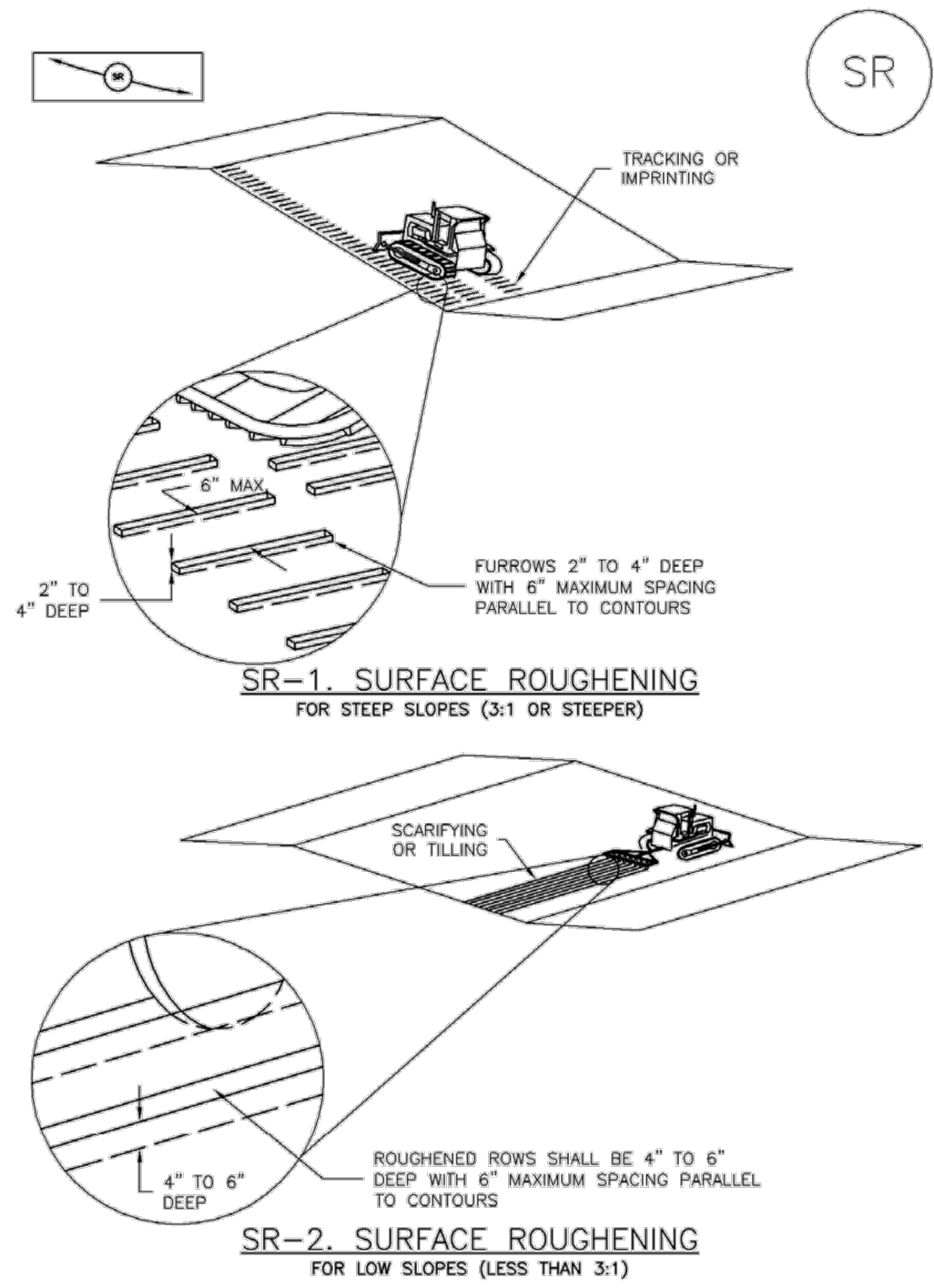


NO.	DATE	DESCRIPTION	DATE	CHKD	APPR

THE USE OF ANY CHANGE IN EXISTING MEDIA OR INSTRUMENTS OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A SERVICE PROJECT, REUSE OR MODIFICATION OF ANY INSTRUMENT WITHOUT THE PRIOR WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO THE USER AND USER'S CLIENT.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Preliminary Grading\Plan\GEC - DETAILS.dwg Plot Date: 4/28/2020 9:53 AM Last Saved By: RYPERKEIMA

**Surface Roughening (SR) EC-1**



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SR-3

**EC-1 Surface Roughening (SR)**

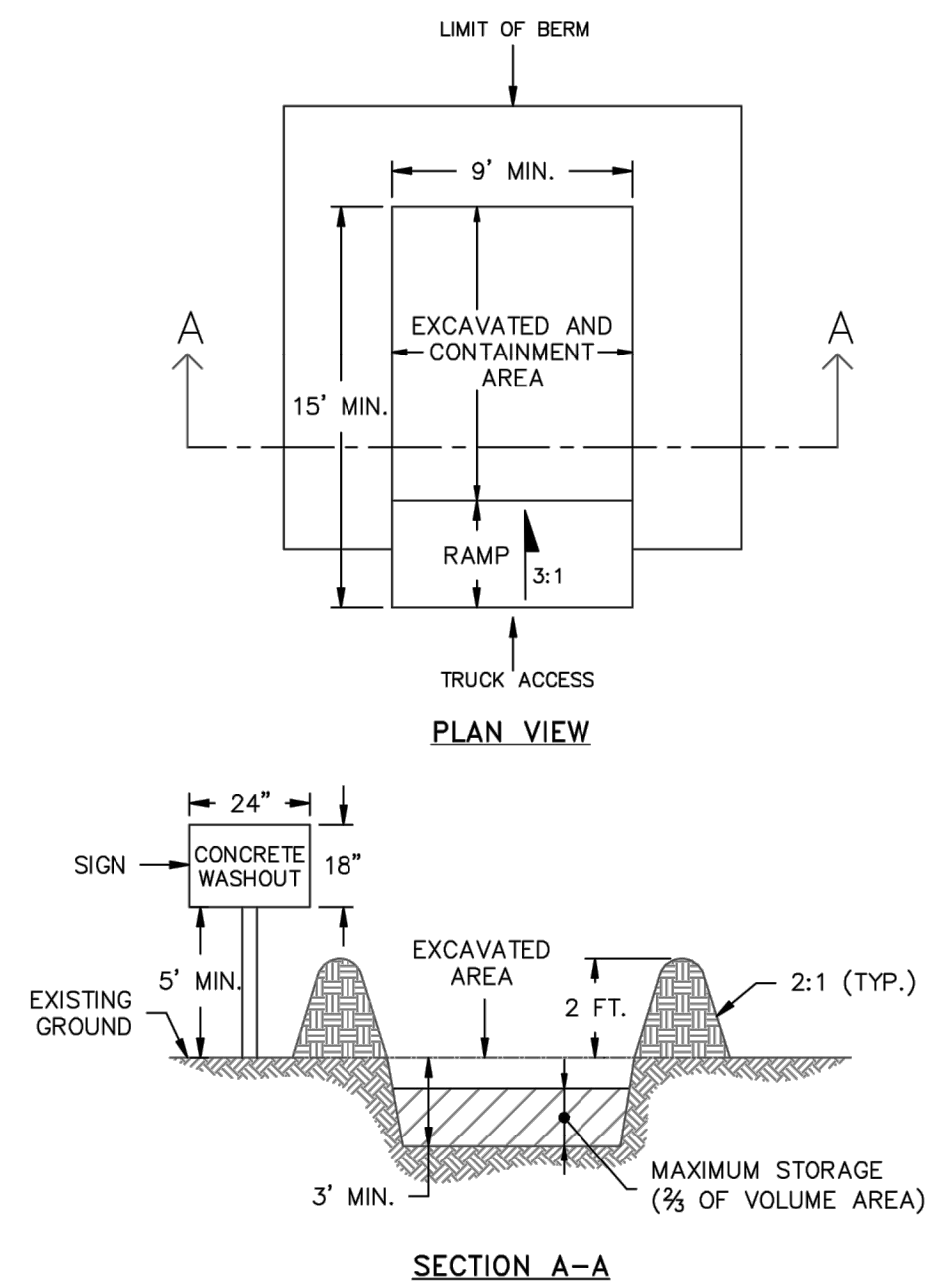
**SURFACE ROUGHENING INSTALLATION NOTES**

1. SEE PLAN VIEW FOR: -LOCATION(S) OF SURFACE ROUGHENING.
2. SURFACE ROUGHENING SHALL BE PROVIDED PROMPTLY AFTER COMPLETION OF FINISHED GRADING (FOR AREAS NOT RECEIVING TOPSOIL) OR PRIOR TO TOPSOIL PLACEMENT OR ANY FORECASTED RAIN EVENT.
3. AREAS WHERE BUILDING FOUNDATIONS, PAVEMENT, OR SOD WILL BE PLACED WITHOUT DELAY IN THE CONSTRUCTION SEQUENCE, SURFACE ROUGHENING IS NOT REQUIRED.
4. DISTURBED SURFACES SHALL BE ROUGHENED USING RIPPING OR TILLING EQUIPMENT ON THE CONTOUR OR TRACKING UP AND DOWN A SLOPE USING EQUIPMENT TREADS.
5. A FARMING DISK SHALL NOT BE USED FOR SURFACE ROUGHENING.

**SURFACE ROUGHENING MAINTENANCE NOTES**

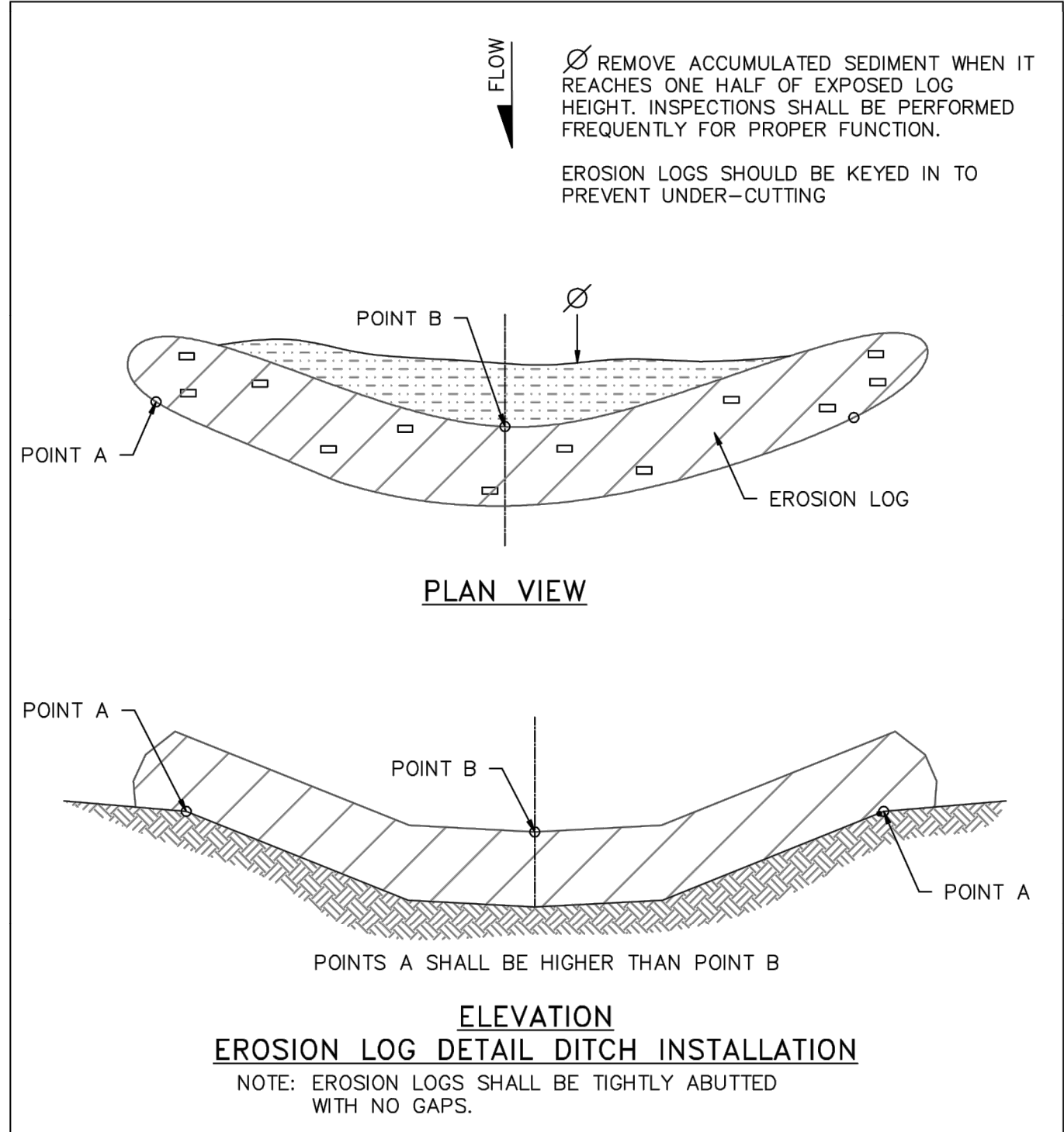
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACE UPON DISCOVERY OF THE FAILURE.
  4. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN OVER AREAS THAT HAVE BEEN SURFACE ROUGHENED.
  5. IN NON-TURF GRASS FINISHED AREAS, SEEDING AND MULCHING SHALL TAKE PLACE DIRECTLY OVER SURFACE ROUGHENED AREAS WITHOUT FIRST SMOOTHING OUT THE SURFACE.
  6. IN AREAS NOT SEEDED AND MULCHED AFTER SURFACE ROUGHENING, SURFACES SHALL BE RE-ROUGHENED AS NECESSARY TO MAINTAIN GROOVE DEPTH AND SMOOTH OVER RILL EROSION.
- (DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)  
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SR-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



- NOTES:**
1. SIGN MATERIAL, EXCAVATION, AND RESTORATION ARE INCLUDED IN THE COST OF THE CONCRETE WASHOUT STRUCTURE.
  2. EROSION BALES MAY BE USED AS AN ALTERNATIVE FOR THE BERM.

DATE APPROVED: 1/1/08	Concrete Washout Structure	
John A. McCarty	Standard Drawing	
REVISION DATE: 7/17/07	FILE NAME: SD_3-84	



DATE APPROVED: 1/1/08	Erosion Log Check Dams	
John A. McCarty	Standard Drawing	
REVISION DATE: 7/17/07	FILE NAME: SD_3-85	



REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 1

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER: 65120399	SHEET: C4.5	of 36
DATE: 03/20/2020		



**EC-2 Temporary and Permanent Seeding (TS/PS)**

**Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses**

Common Name	Botanical Name	Growth Season <sup>a</sup>	Growth Form	Seeds/Pound	Pounds of PLS/acre
<b>Alkali Soil Seed Mix</b>					
Alkali sacaton	<i>Sporobolus airoides</i>	Cool	Bunch	1,750,000	0.25
Basin wildrye	<i>Elymus cinereus</i>	Cool	Bunch	165,000	2.5
Sodar streambank wheatgrass	<i>Agropyron riparium 'Sodar'</i>	Cool	Sod	170,000	2.5
Jose tall wheatgrass	<i>Agropyron elongatum 'Jose'</i>	Cool	Bunch	79,000	7.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
<b>Total</b>					<b>17.75</b>
<b>Fertile Loamy Soil Seed Mix</b>					
Ephraim crested wheatgrass	<i>Agropyron cristatum 'Ephraim'</i>	Cool	Sod	175,000	2.0
Dural hard fescue	<i>Festuca ovina 'duriscula'</i>	Cool	Bunch	565,000	1.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Sodar streambank wheatgrass	<i>Agropyron riparium 'Sodar'</i>	Cool	Sod	170,000	2.5
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	7.0
<b>Total</b>					<b>15.5</b>
<b>High Water Table Soil Seed Mix</b>					
Meadow foxtail	<i>Alopecurus pratensis</i>	Cool	Sod	900,000	0.5
Redtop	<i>Agrostis alba</i>	Warm	Open sod	5,000,000	0.25
Reed canarygrass	<i>Phalaris arundinacea</i>	Cool	Sod	68,000	0.5
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Pathfinder switchgrass	<i>Panicum virgatum 'Pathfinder'</i>	Warm	Sod	389,000	1.0
Alkar tall wheatgrass	<i>Agropyron elongatum 'Alkar'</i>	Cool	Bunch	79,000	5.5
<b>Total</b>					<b>10.75</b>
<b>Transition Turf Seed Mix<sup>1</sup></b>					
Ruebens Canadian bluegrass	<i>Poa compressa 'Ruebens'</i>	Cool	Sod	2,500,000	0.5
Dural hard fescue	<i>Festuca ovina 'duriscula'</i>	Cool	Bunch	565,000	1.0
Citation perennial ryegrass	<i>Lolium perenne 'Citation'</i>	Cool	Sod	247,000	3.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
<b>Total</b>					<b>7.5</b>

TS/PS-4 Urban Drainage and Flood Control District November 2010  
 Urban Storm Drainage Criteria Manual Volume 3

**Temporary and Permanent Seeding (TS/PS) EC-2**

**Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses (cont.)**

Common Name	Botanical Name	Growth Season <sup>a</sup>	Growth Form	Seeds/Pound	Pounds of PLS/acre
<b>Sandy Soil Seed Mix</b>					
Blue grama	<i>Bouteloua gracilis</i>	Warm	Sod-forming bunchgrass	825,000	0.5
Camper little bluestem	<i>Schizachyrium scoparium 'Camper'</i>	Warm	Bunch	240,000	1.0
Prairie sandreed	<i>Calamovilfa longifolia</i>	Warm	Open sod	274,000	1.0
Sand dropseed	<i>Sporobolus cryptandrus</i>	Cool	Bunch	5,298,000	0.25
Vaughn sideoats grama	<i>Bouteloua curtipendula 'Vaughn'</i>	Warm	Sod	191,000	2.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
<b>Total</b>					<b>10.25</b>
<b>Heavy Clay, Rocky Foothill Seed Mix</b>					
Ephraim crested wheatgrass <sup>4</sup>	<i>Agropyron cristatum 'Ephraim'</i>	Cool	Sod	175,000	1.5
Oshe Intermediate wheatgrass	<i>Agropyron intermedium 'Oshe'</i>	Cool	Sod	115,000	5.5
Vaughn sideoats grama <sup>5</sup>	<i>Bouteloua curtipendula 'Vaughn'</i>	Warm	Sod	191,000	2.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
<b>Total</b>					<b>17.5</b>

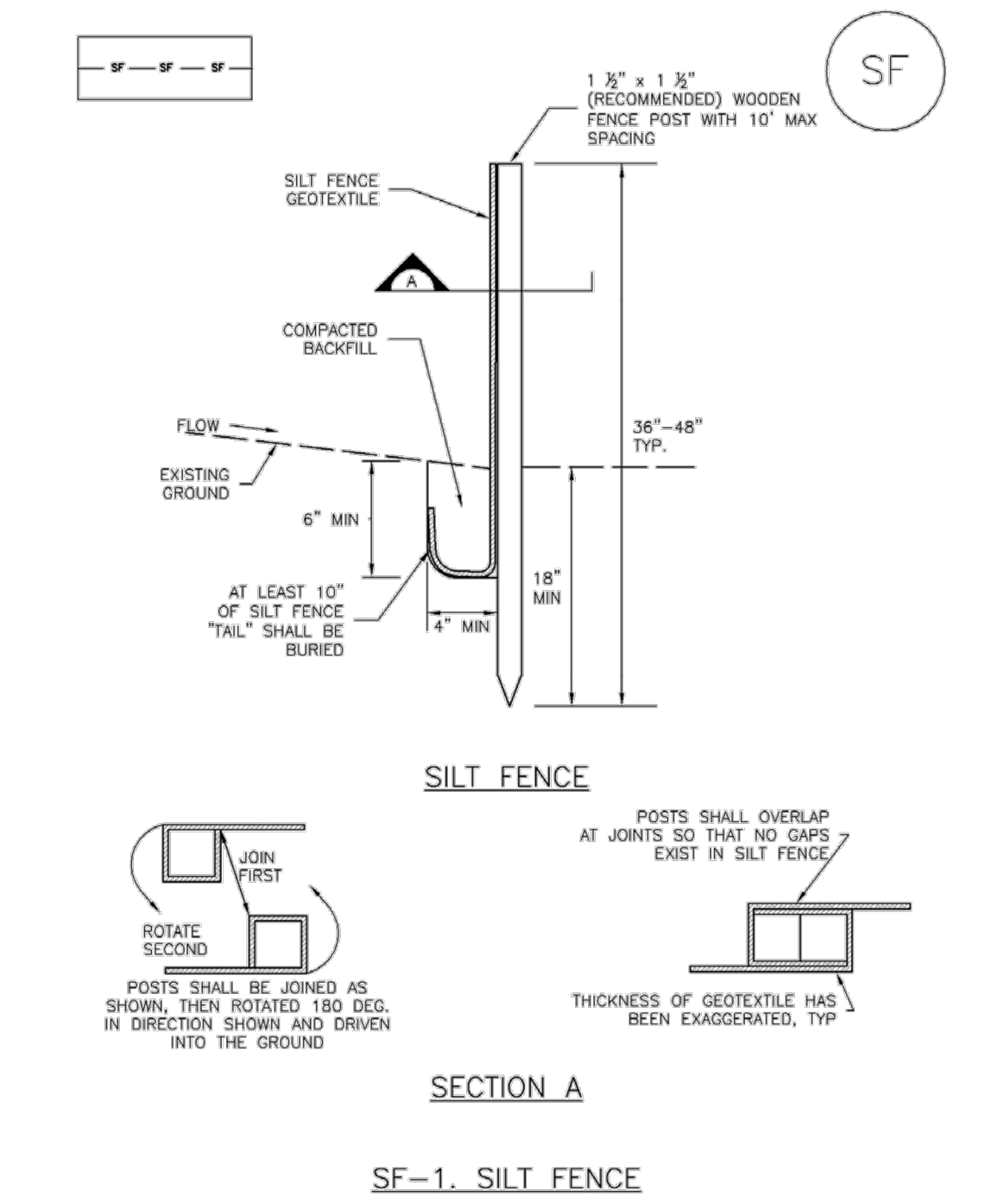
<sup>2</sup> All of the above seeding mixes and rates are based on drill seeding followed by crimped hay or straw mulch. These rates should be doubled if seed is broadcast and should be increased by 50 percent if the seeding is done using a Brillion Drill or is applied through hydraulic seeding. Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1. If hydraulic seeding is used, hydraulic mulching should be done as a separate operation.  
<sup>3</sup> See Table TS/PS-3 for seeding dates.  
<sup>4</sup> If site is to be irrigated, the transition turf seed rates should be doubled.  
<sup>5</sup> Crested wheatgrass should not be used on slopes steeper than 6H to 1V.  
<sup>6</sup> Can substitute 0.5 lbs PLS of blue grama for the 2.0 lbs PLS of Vaughn sideoats grama.

November 2010 Urban Drainage and Flood Control District November 2010  
 Urban Storm Drainage Criteria Manual Volume 3 TS/PS-5



REV	REVISION DESCRIPTION	DATE	CHNO/CHKD/APPR

**Silt Fence (SF) SC-1**



November 2010 Urban Drainage and Flood Control District November 2010  
 Urban Storm Drainage Criteria Manual Volume 3 SF-3

**SC-1 Silt Fence (SF)**

**SILT FENCE INSTALLATION NOTES**

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
- A UNIFORM 6" x 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
- COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
- SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES, THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
- SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
- AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK" OR "U-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

**SILT FENCE MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  - SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
  - REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
  - SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
  - WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
- (NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LIDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.)

SF-4 Urban Drainage and Flood Control District November 2010  
 Urban Storm Drainage Criteria Manual Volume 3



PCD PROJECT NUMBER: EGP 202

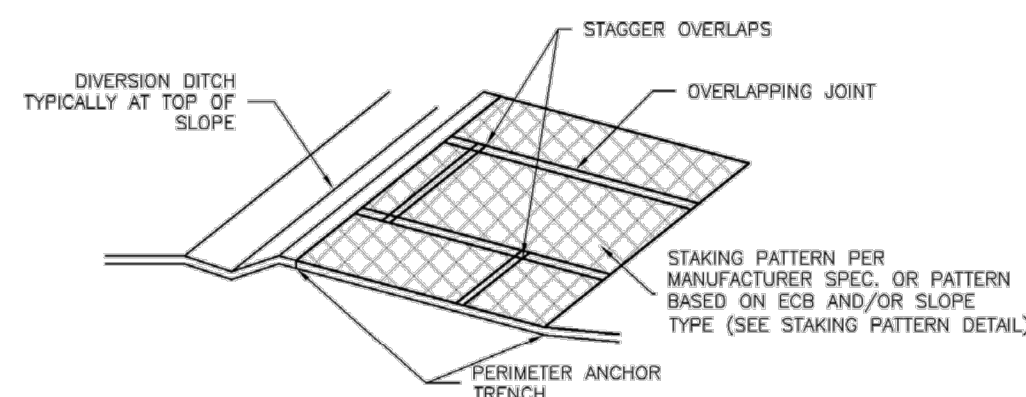
**MOUNTAIN VIEW ACADEMY**  
 CD SET  
 GEC DETAILS 2

JOB NUMBER: 65120399  
 DATE: 03/20/2020  
 SHEET: C4.6  
 29 of 35

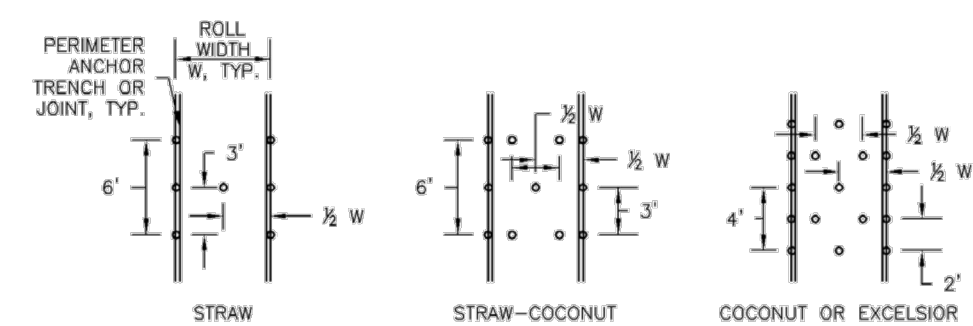
THE USE OF ANY EROSION CONTROL PRODUCT IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, FOR A SPECIFIC PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE ON ANY PART OR EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT, REUSE OR MODIFICATION OF ANY INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY. MERRICK AND COMPANY SHALL BE HELD RESPONSIBLE FOR THE QUALITY OF THE SERVICE PROVIDED TO THE CLIENT AND NOT FOR THE QUALITY OF THE SERVICE PROVIDED TO OTHERS.

File Location: \\DEN\Projects\0399-00 Mountain View Academy\Design\CDS\Civil\Preliminary Grading\Plan\GEC - DETAILS.dwg Plo Date: 4/28/2020 9:53 AM Last Saved By: IRPKEMA

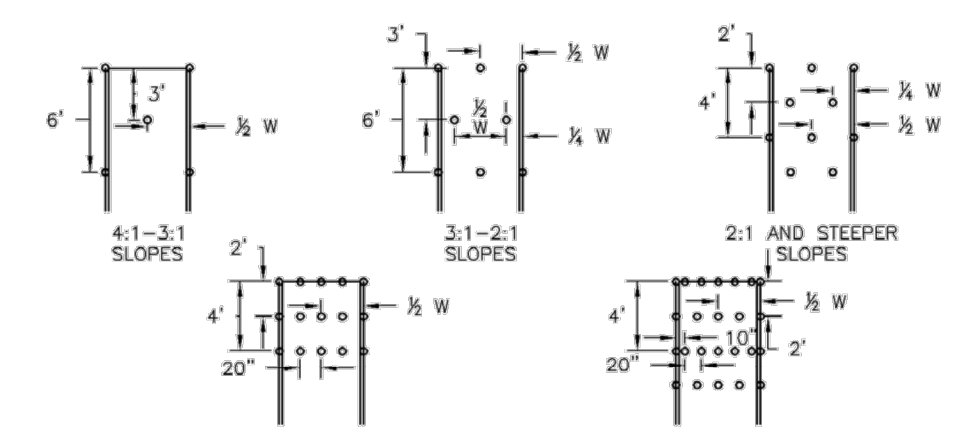
### Rolled Erosion Control Products (RECP) EC-6



ECB-3. OUTSIDE OF DRAINAGEWAY



STAKING PATTERNS BY ECB TYPE



STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-7

### EC-6 Rolled Erosion Control Products (RECP)

**EROSION CONTROL BLANKET INSTALLATION NOTES**

1. SEE PLAN VIEW FOR:
  - LOCATION OF ECB.
  - TYPE OF ECB (STRAW, STRAW-COCONUT, COCONUT, OR EXCELSIOR).
  - AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
2. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
4. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
5. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
6. INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
7. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
8. MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
9. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
10. DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING*
STRAW*	-	100%	-	DOUBLE/NATURAL
STRAW-COCONUT	30% MIN	70% MAX	-	DOUBLE/NATURAL
COCONUT	100%	-	-	DOUBLE/NATURAL
EXCELSIOR	-	-	100%	DOUBLE/NATURAL

\*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STRAUS AND DRAINAGE CHANNELS. ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

RECP-8 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

### Rolled Erosion Control Products (RECP) EC-6

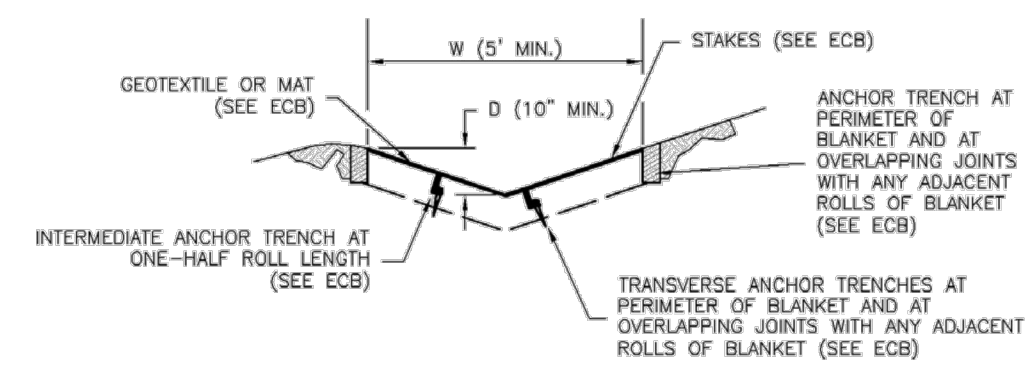
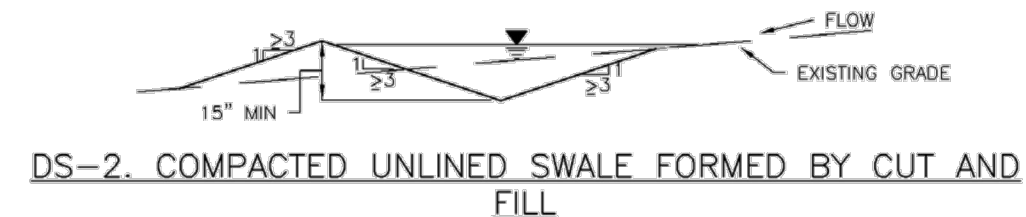
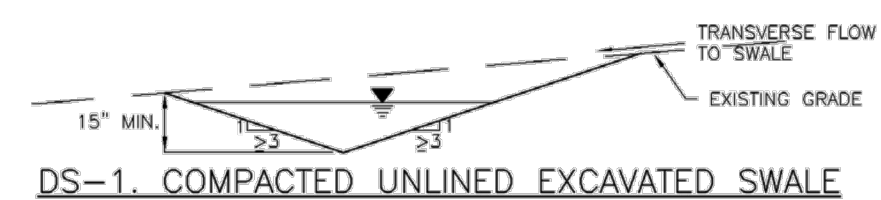
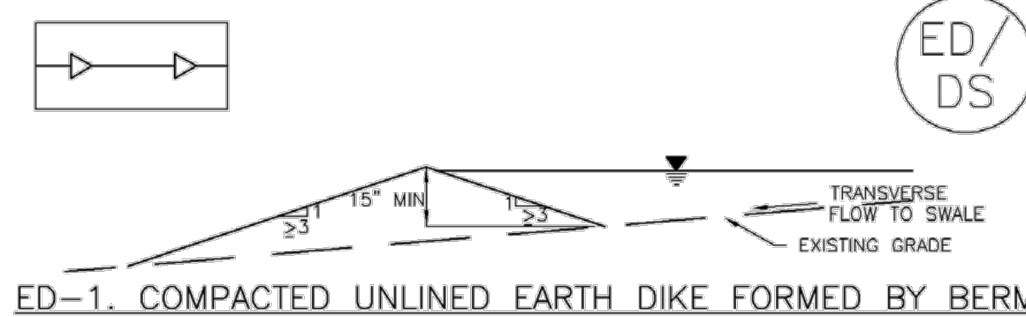
**EROSION CONTROL BLANKET MAINTENANCE NOTES**

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
  5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-9

### Earth Dikes and Drainage Swales (ED/DS) EC-10



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-3



PCD PROJECT NUMBER: EGP 202

**MERRICK**  
Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 3

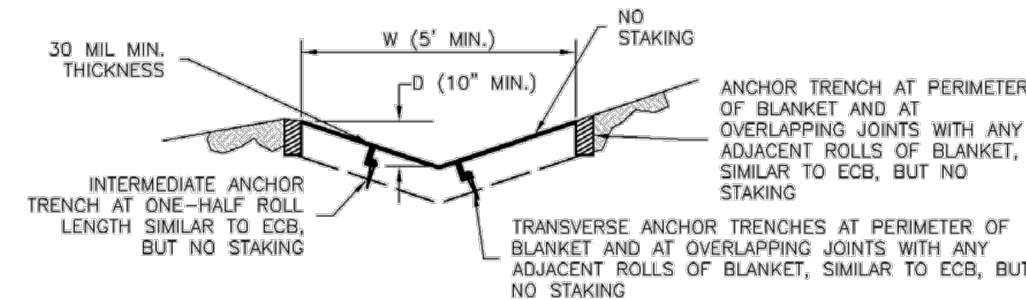
ISSUED FOR REVIEW

JOB NUMBER	65120399	DATE	03/20/2020	SHEET	C4.7
30	of	35			

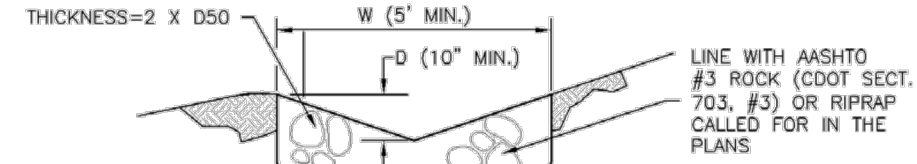
THE USE OF ANY OTHER EARTH DIKE OR SWALE MAINTENANCE IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY FOR A SPECIFIC PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE IN WHOLE OR IN PART OR FOR EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A MERRICK INSTRUMENT IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY. THIS SHALL BE AT THE USER'S RISK FOR THE USER'S USE AND WITHOUT LIABILITY TO MERRICK AND COMPANY.

File Location: Q:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Preliminary Grading\Plan\GEC - DETAILS.dwg Plot Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEMA

**EC-10 Earth Dikes and Drainage Swales (ED/DS)**



**DS-4. SYNTHETIC LINED SWALE**



**DS-5. RIPRAP LINED SWALE**

**EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES**

- SEE SITE PLAN FOR:
  - LOCATION OF DIVERSION SWALE
  - TYPE OF SWALE (UNLINED, COMPACTED AND/OR LINED),
  - LENGTH OF EACH SWALE.
  - DEPTH, D, AND WIDTH, W DIMENSIONS.
  - FOR ECB/TRM LINED DITCH, SEE ECB DETAIL.
  - FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50.
- SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS.
- EARTH DIKES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY.
- EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698.
- SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP.
- FOR LINED DITCHES, INSTALLATION OF ECB/TRM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL.
- WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

ED/DS-4 Urban Drainage and Flood Control District November 2010  
Urban Storm Drainage Criteria Manual Volume 3

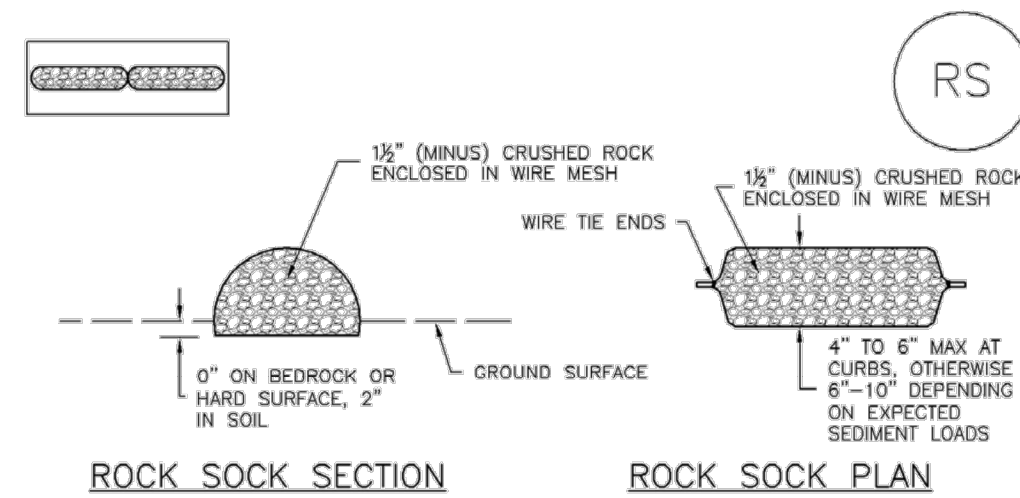
**Earth Dikes and Drainage Swales (ED/DS) EC-10**

**EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  - SWALES SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION; IF APPROVED BY LOCAL JURISDICTION, SWALES MAY BE LEFT IN PLACE.
  - WHEN A SWALE IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District ED/DS-5  
Urban Storm Drainage Criteria Manual Volume 3

**SC-5 Rock Sock (RS)**



ANY GAP AT JOINT SHALL BE FILLED WITH AN ADEQUATE AMOUNT OF 1 1/2" (MINUS) CRUSHED ROCK AND WRAPPED WITH ADDITIONAL WIRE MESH SECURED TO ENDS OF ROCK REINFORCED SOCK. AS AN ALTERNATIVE TO FILLING JOINTS BETWEEN ADJOINING ROCK SOCKS WITH CRUSHED ROCK AND ADDITIONAL WIRE WRAPPING, ROCK SOCKS CAN BE OVERLAPPED (TYPICALLY 12-INCH OVERLAP) TO AVOID GAPS.

GRADATION TABLE	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
	NO. 4
2"	100
1 1/2"	80 - 100
1"	20 - 55
3/4"	0 - 15
3/8"	0 - 5

MATCHES SPECIFICATIONS FOR NO. 4 COARSE AGGREGATE FOR CONCRETE PER AASHTO M43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.

**ROCK SOCK INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION(S) OF ROCK SOCKS.
- CRUSHED ROCK SHALL BE 1 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1 1/2" MINUS).
- WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF 1/2". RECOMMENDED MINIMUM ROLL WIDTH OF 48"
- WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
- SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLOSURE.

**RS-1. ROCK SOCK PERIMETER CONTROL**

RS-2 Urban Drainage and Flood Control District November 2010  
Urban Storm Drainage Criteria Manual Volume 3

**Rock Sock (RS) SC-5**

**ROCK SOCK MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  - ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
  - SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE ROCK SOCK.
  - ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
  - WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF ROCK SOCK INSTALLATION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY OTHER SIMILAR PROPRIETARY PRODUCTS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY PROTECTION PRODUCTS; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

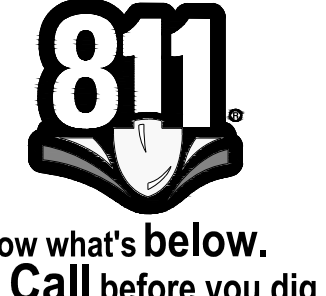
November 2010 Urban Drainage and Flood Control District RS-3  
Urban Storm Drainage Criteria Manual Volume 3



REV	REVISION DESCRIPTION	DATE	CHNO/CHKO/APPR

MOUNTAIN VIEW ACADEMY  
CD SET  
GEC DETAILS 4

ISSUED FOR REVIEW



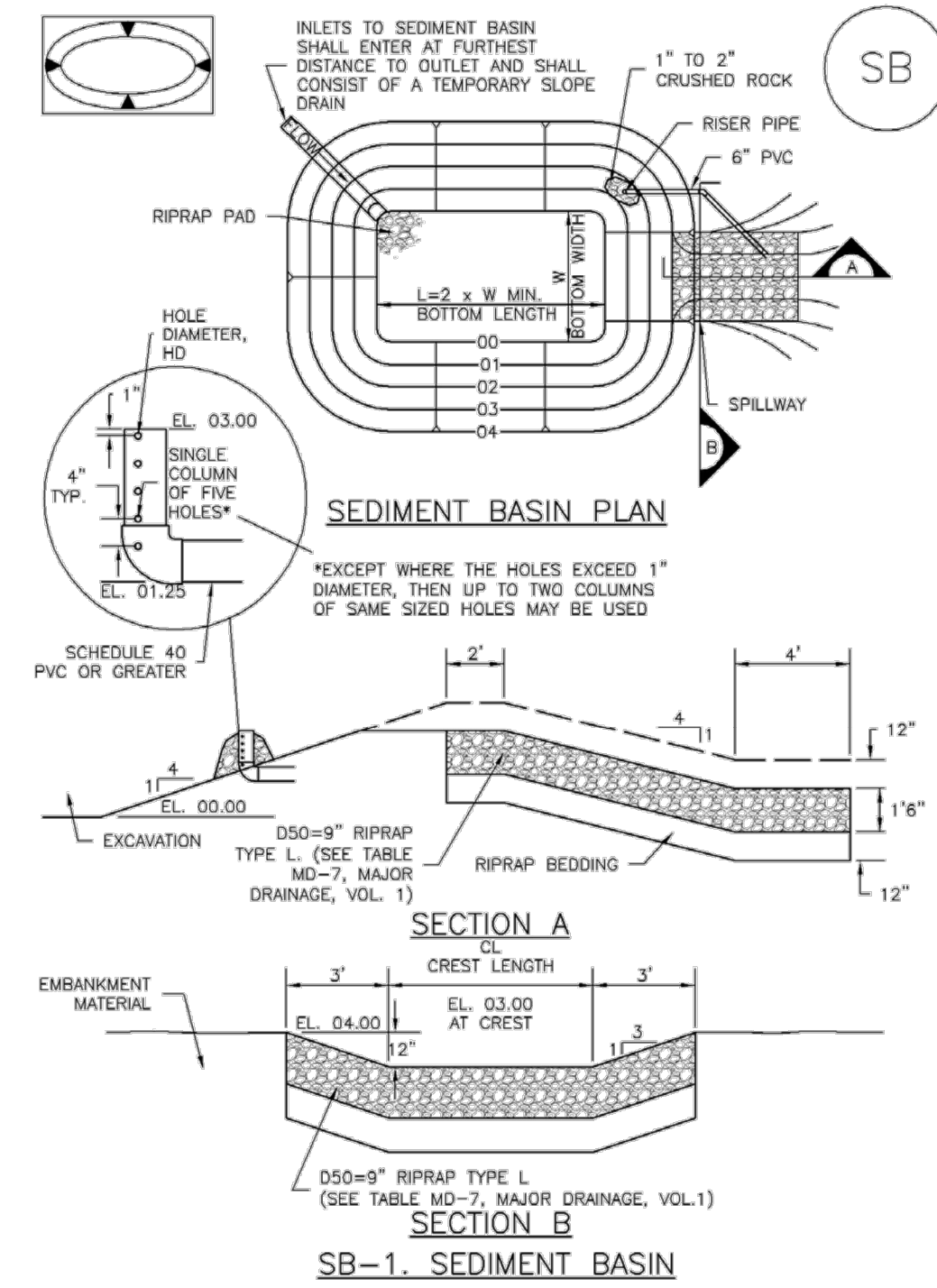
THE USE OF ANY OTHER EXISTING DESIGN OR DRAWING IS AN ACKNOWLEDGMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. A SERVICE PROJECT, REUSE OR MODIFICATION OF ANY INFORMATION NOT A PHYSICAL INSTRUMENT, WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO THE USER AND MERRICK AND COMPANY.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Preliminary Grading\Plan\GEC - DETAILS.rvt Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEIMA



Know what's below.  
Call before you dig.

**Sediment Basin (SB) SC-7**



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

**Sediment Basin (SB) SC-7**

**SEDIMENT BASIN MAINTENANCE NOTES**

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-7

**SC-7 Sediment Basin (SB)**

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 1/2	2	3/8
2	21	3	1/2
3	28	5	5/8
4	33 1/2	6	5/8
5	38 1/2	8	3/4
6	43	9	3/4
7	47 1/4	11	3/4
8	51	12	3/4
9	55	13	3/4
10	58 1/4	15	1 1/8
11	61	16	1 1/8
12	64	18	1 1/8
13	67 1/2	19	1 1/8
14	70 1/2	21	1 1/8
15	73 1/4	22	1 1/8

**SEDIMENT BASIN INSTALLATION NOTES**

1. SEE PLAN VIEW FOR:
  - LOCATION OF SEDIMENT BASIN.
  - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
  - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
  - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.
4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
6. PIPE SCH 40 OR GREATER SHALL BE USED.
7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 7

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY



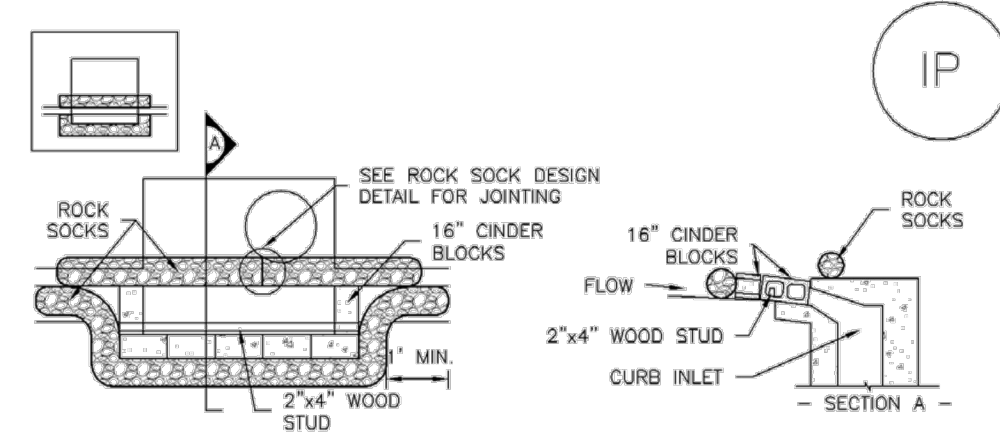
THE 811 CALL CENTER METAL PUNCTUREMENT IS AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY FOR A FUTURE PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE IN WHOLE OR IN PART OR ON EXTENDING OF THE PROJECT OR ON ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY INFORMATION NOT A MERRICK INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK AND IS NOT ADVISED OR WARRANTED TO BE SUITABLE FOR ANY PURPOSES.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDs\Civil\Preliminary, Grading\Plan\GEC - DETAILS.dwg Plo Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEMA



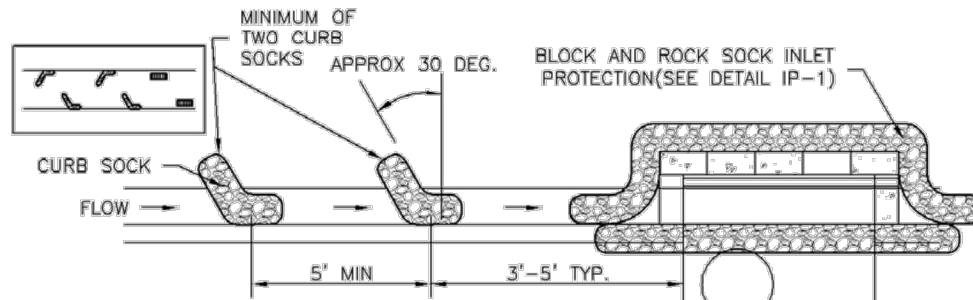
Know what's below.  
Call before you dig.

### SC-6 Inlet Protection (IP)



**IP-1. BLOCK AND ROCK SOCK SUMP OR ON-GRADE INLET PROTECTION**

- BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES**
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
  2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.
  3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



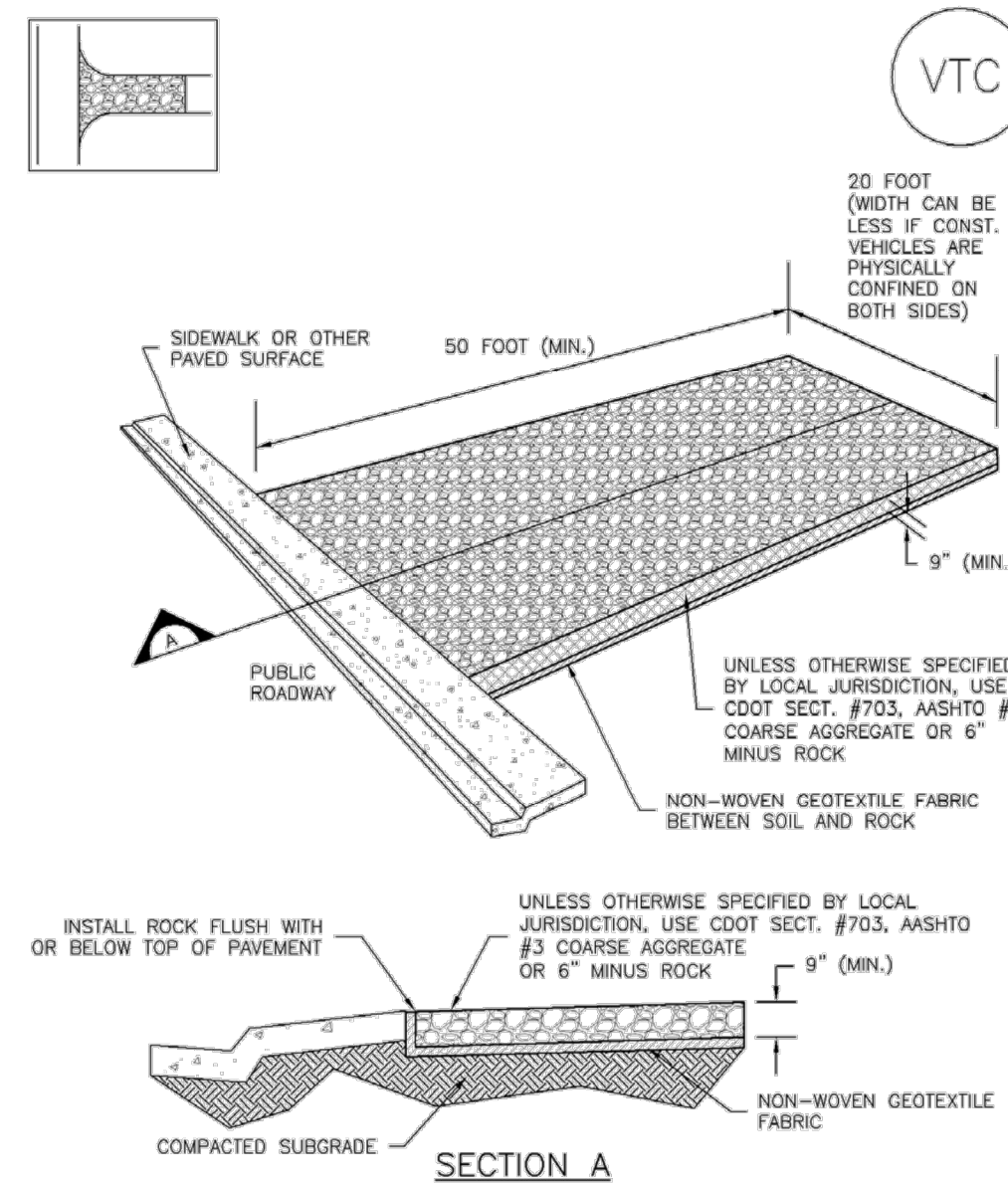
**IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION**

- CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES**
1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.
  2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
  3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.
  4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.

IP-4 Urban Drainage and Flood Control District November 2010  
Urban Storm Drainage Criteria Manual Volume 3

replace with EPC approved VTC detail (DCM Vol. 2)

### SM-4 Vehicle Tracking Control (VTC)



**VTC-1. AGGREGATE VEHICLE TRACKING CONTROL**

VTC-6 Urban Drainage and Flood Control District November 2010  
Urban Storm Drainage Criteria Manual Volume 3

### Inlet Protection (IP) SC-6

#### GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF INLET PROTECTION.
  - TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS), IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

#### INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.
5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDING AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

November 2010 Urban Drainage and Flood Control District IP-7  
Urban Storm Drainage Criteria Manual Volume 3

### SM-4 Vehicle Tracking Control (VTC)

#### STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
  - TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

#### STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

VTC-6 Urban Drainage and Flood Control District November 2010  
Urban Storm Drainage Criteria Manual Volume 3



REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

MOUNTAIN VIEW ACADEMY  
CD SET  
GEC DETAILS 5

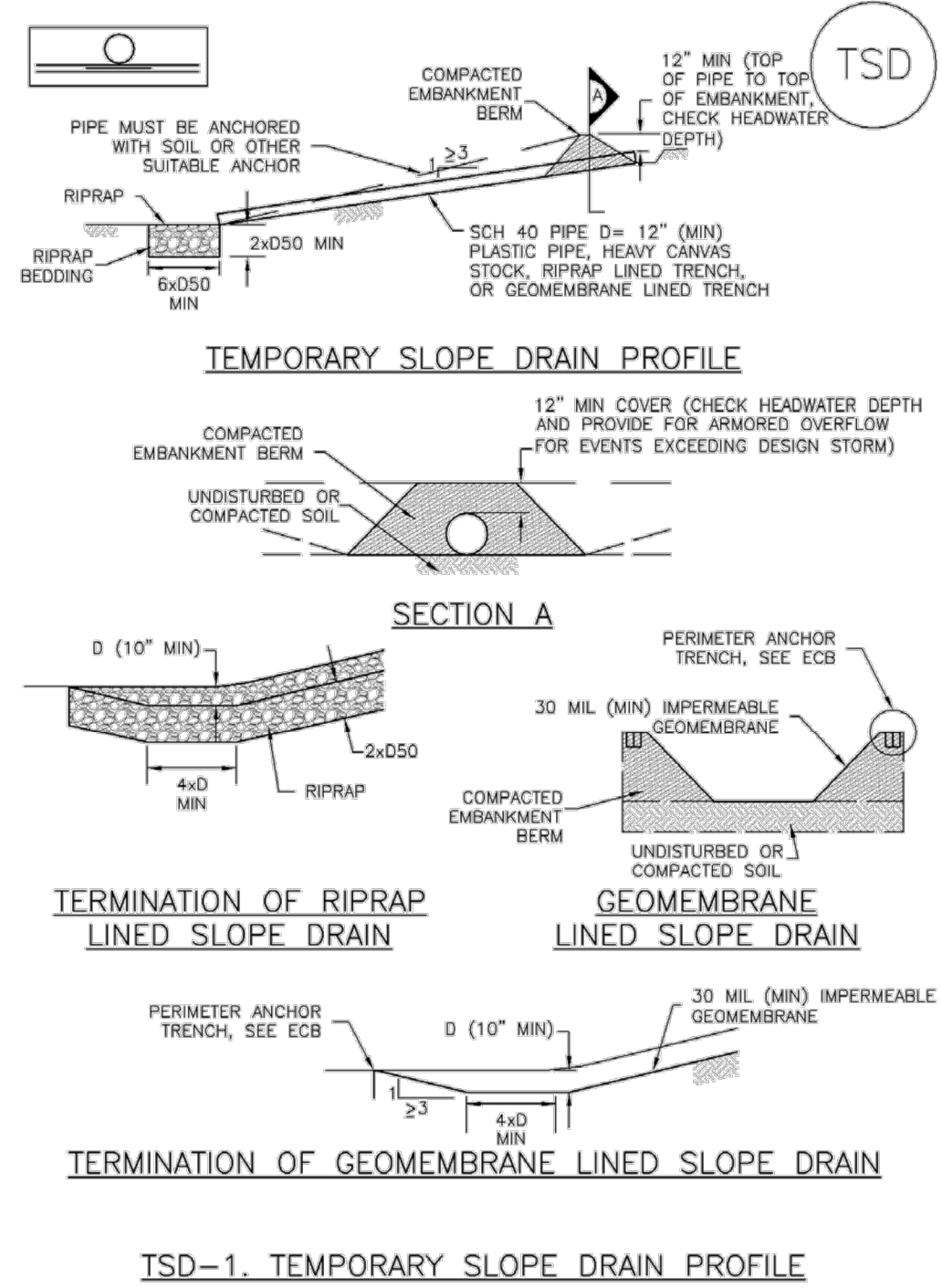
ISSUED FOR REVIEW

JOB NUMBER	65120399	
DATE	03/20/2020	
SHEET	C4.9	
32	of	35



Know what's below.  
Call before you dig.

**Temporary Slope Drains (TSD) EC-7**



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SD-3

**Temporary Outlet Protection (TOP) EC-8**

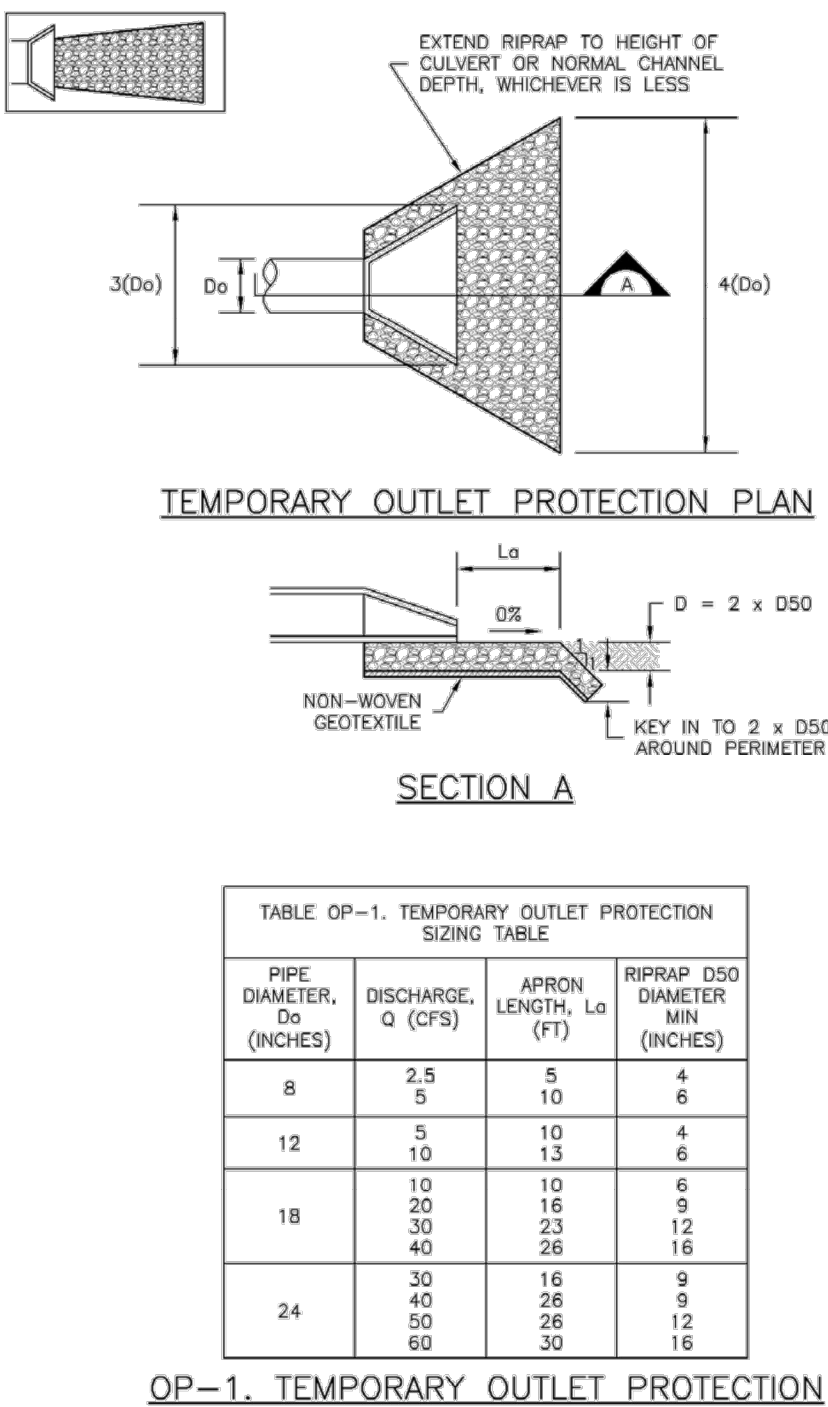


TABLE OP-1. TEMPORARY OUTLET PROTECTION SIZING TABLE

PIPE DIAMETER, D <sub>o</sub> (INCHES)	DISCHARGE, Q (CFS)	APRON LENGTH, L <sub>a</sub> (FT)	RIPRAP D50 DIAMETER MIN (INCHES)
8	2.5	5	4
	5	10	6
12	5	10	4
	10	13	6
	10	10	6
	20	16	9
	30	23	12
	40	26	16
24	30	16	9
	40	26	9
	50	26	12
	60	30	16

TOP-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**Temporary Slope Drains (TSD) EC-7**

- SLOPE DRAIN INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
    - LOCATION AND LENGTH OF SLOPE DRAIN
    - PIPE DIAMETER, D, AND RIPRAP SIZE, D50.
  - SLOPE DRAIN SHALL BE DESIGNED TO CONVEY PEAK RUNOFF FOR 2-YEAR 24-HOUR STORM AT A MINIMUM. FOR LONGER DURATION PROJECTS, LARGER MAY BE APPROPRIATE.
  - SLOPE DRAIN DIMENSIONS SHALL BE CONSIDERED MINIMUM DIMENSIONS; CONTRACTOR MAY ELECT TO INSTALL LARGER FACILITIES.
  - SLOPE DRAINS INDICATED SHALL BE INSTALLED PRIOR TO UPGRADE LAND-DISTURBING ACTIVITIES.
  - CHECK HEADWATER DEPTHS FOR TEMPORARY AND PERMANENT SLOPE DRAINS. DETAILS SHOW MINIMUM COVER; INCREASE AS NECESSARY FOR DESIGN HEADWATER DEPTH.
  - RIPRAP PAD SHALL BE PLACED AT SLOPE DRAIN OUTFALL.
  - ANCHOR PIPE BY COVERING WITH SOIL OR AN ALTERNATE SUITABLE ANCHOR MATERIAL.
- SLOPE DRAIN MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  - INSPECT INLET AND OUTLET POINTS AFTER STORMS FOR CLOGGING OR EVIDENCE OF OVERTOPPING. BREACHES IN PIPE OR OTHER CONVEYANCE SHALL BE REPAIRED AS SOON AS PRACTICABLE IF OBSERVED.
  - INSPECT RIPRAP PAD AT OUTLET FOR SIGNS OF EROSION. IF SIGNS OF EROSION EXIST, ADDITIONAL ARMORING SHALL BE INSTALLED.
  - TEMPORARY SLOPE DRAINS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED, BUT SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION. WHEN SLOPE DRAINS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED, MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**Temporary Outlet Protection (TOP) EC-8**

- TEMPORARY OUTLET PROTECTION INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
    - LOCATION OF OUTLET PROTECTION.
    - DIMENSIONS OF OUTLET PROTECTION.
  - DETAIL IS INTENDED FOR PIPES WITH SLOPE < 10%. ADDITIONAL EVALUATION OF RIPRAP SIZING AND OUTLET PROTECTION DIMENSIONS REQUIRED FOR STEEPER SLOPES.
  - TEMPORARY OUTLET PROTECTION INFORMATION IS FOR OUTLETS INTENDED TO BE UTILIZED LESS THAN 2 YEARS.
- TEMPORARY OUTLET PROTECTION INSPECTION AND MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM AURORA, COLORADO AND PREVIOUS VERSION OF VOLUME 3, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 TOP-3



REV	REVISION DESCRIPTION	DATE	BY	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 6

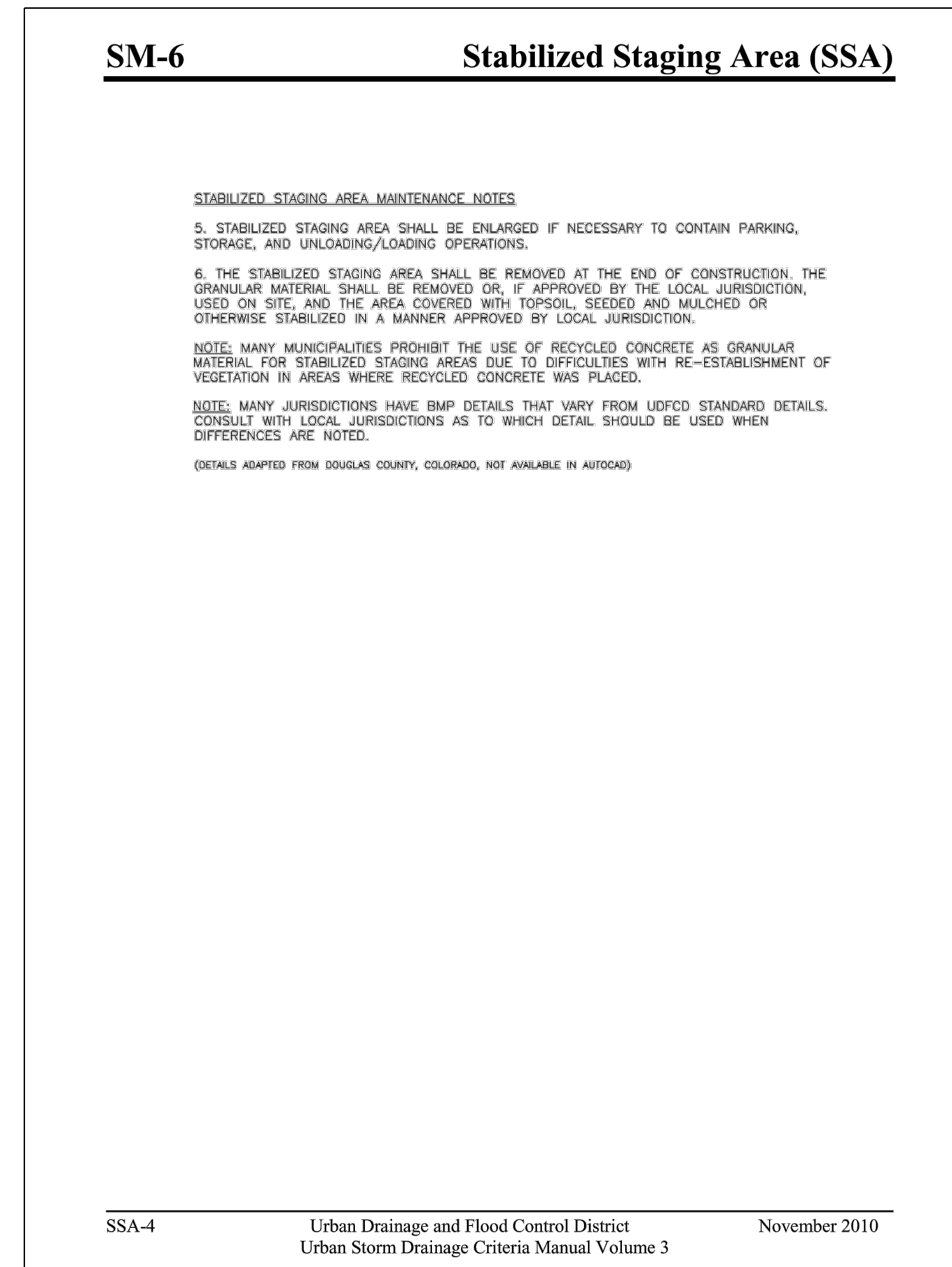
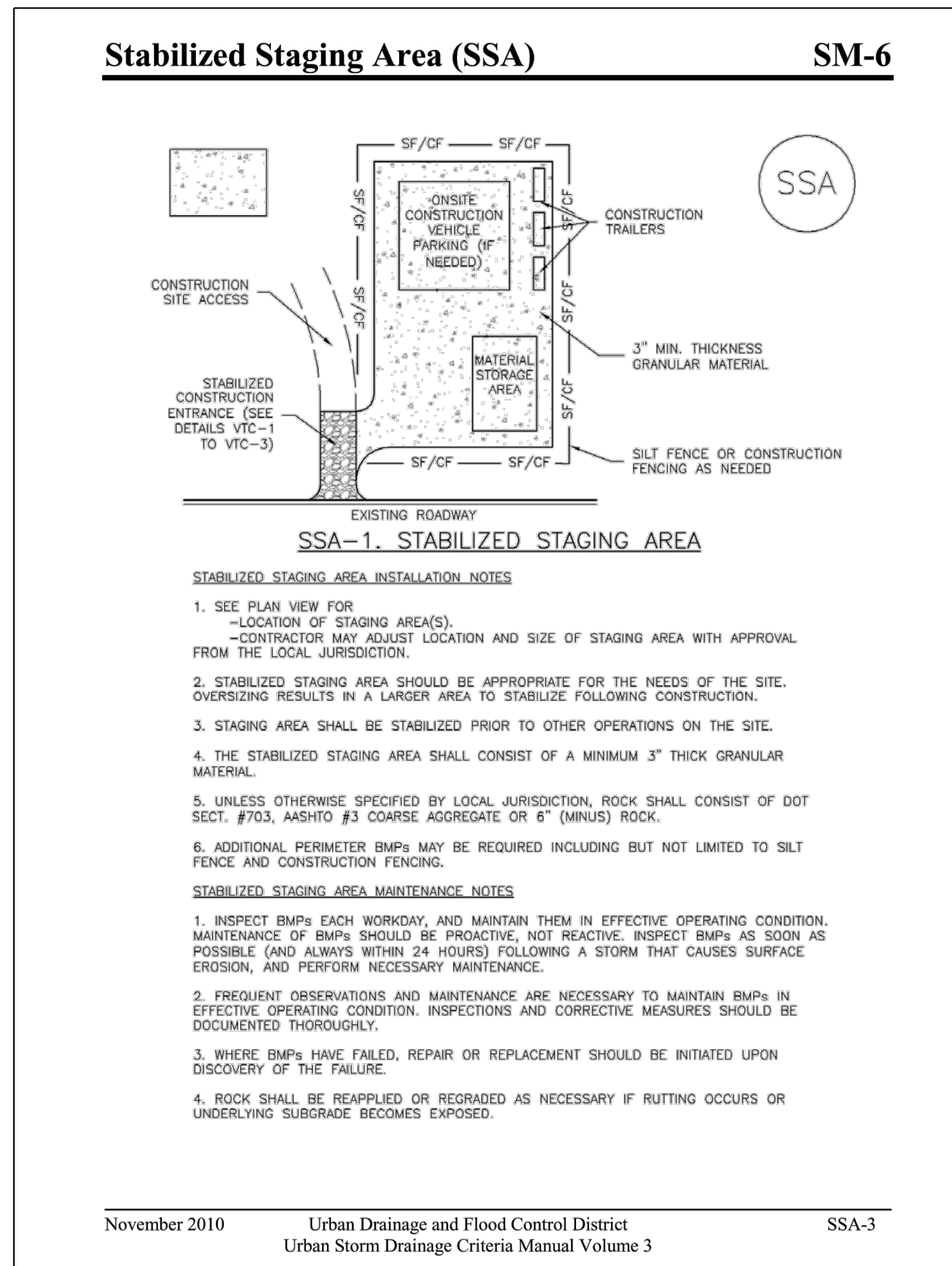
ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

THIS AND ANY OTHER EROSION CONTROL MEASURES ARE AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK & COMPANY FOR A SPECIFIC PROJECT. REUSE OR MODIFICATION OF ANY INSTRUMENT WITHOUT THE WRITTEN CONSENT OF THE PROJECT OR ON ANY OTHER PROJECT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART OR AN EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. MERRICK & COMPANY SHALL BE AT THE USER'S RISK FOR THE QUALITY OF ANY INSTRUMENT REUSED IN WHOLE OR IN PART OR AN EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT.

File Location: D:\DEN\Projects\0399-00 Mountain View Academy\Design\CDS\Civil\Preliminary Grading\PlanGEC - DETAILS.rvt Date: 4/28/2020 9:53 AM Last Saved By: IRYPKEMA



Know what's below.  
Call before you dig.



Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions  
5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111  
303-751-0741  
www.merrick.com

REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

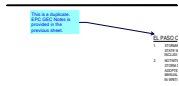
**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 8

ISSUED FOR REVIEW  
FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NUMBER	65120399
DATE	03/20/2020
SHEET	C4.12
	35 of 35

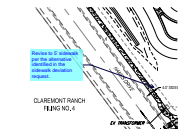
# GEC\_V2\_redlines.pdf Markup Summary

## Callout (39)



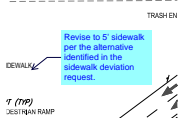
**Subject:** Callout  
**Page Label:** [3] 3 GENERAL NOTES  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:38:52 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

This is a duplicate. EPC GEC Notes is provided in the previous sheet.



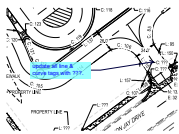
**Subject:** Callout  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:43:22 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Revise to 5' sidewalk per the alternative identified in the sidewalk deviation request.



**Subject:** Callout  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:48:47 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Revise to 5' sidewalk per the alternative identified in the sidewalk deviation request.



**Subject:** Callout  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:50:23 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

update all line & curve tags with ???.



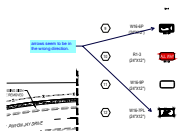
**Subject:** Callout  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:50:51 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

adjust all text overlap



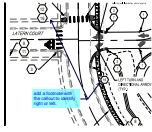
**Subject:** Callout  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:52:27 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

revise all sidewalk width to 5'



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:18:56 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

arrows seem to be in the wrong direction.



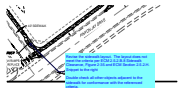
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:20:07 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

add a footnote with the callout to identify right or left.



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:22:07 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

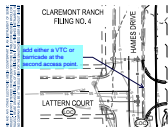
update text color so it's visible.



**Subject:** Callout  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:39:58 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

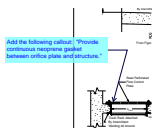
Revise the sidewalk layout. The layout does not meet the criteria per ECM 2.5.2.B.8 Sidewalk Clearance, Figure 2-35 and ECM Section 2.5.2.H. Snippet to the right

Double check all other objects adjacent to the sidewalk for conformance with the referenced criteria.



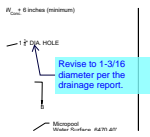
**Subject:** Callout  
**Page Label:** [18] 18 INTERIM GEC  
**Author:** dsdlaforce  
**Date:** 5/12/2020 4:36:04 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

add either a VTC or barricade at the second access point.



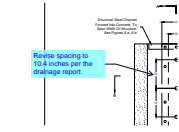
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 4:51:14 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add the following callout: "Provide continuous neoprene gasket between orifice plate and structure."



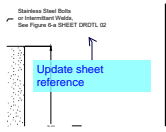
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:08:14 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Revise to 1-3/16 diameter per the drainage report.



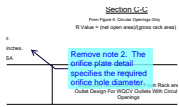
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:09:09 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Revise spacing to 10.4 inches per the drainage report.



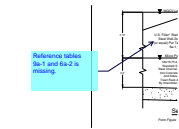
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:13:02 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Update sheet reference



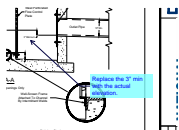
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:14:47 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Remove note 2. The orifice plate detail specifies the required orifice hole diameter.



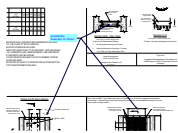
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:17:28 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Reference tables 9a-1 and 6a-2 is missing.



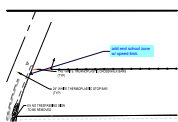
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:21:05 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Replace the 3" min with the actual elevation.



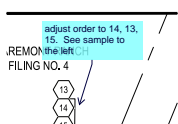
**Subject:** Callout  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:22:48 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

provided the dimension for Wconc.



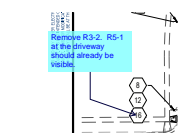
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:35:32 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

add end school zone w/ speed limit.



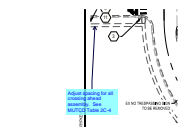
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:37:21 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

adjust order to 14, 13, 15. See sample to the left



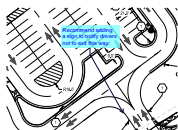
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:41:44 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Remove R3-2. R5-1 at the driveway should already be visible.



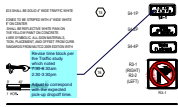
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:43:55 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Adjust spacing for all crossing ahead assembly. See MUTCD Table 2C-4



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:47:35 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

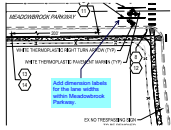
Recommend adding a sign to notify drivers not to exit this way.



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 5:11:09 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

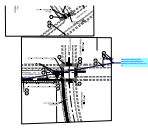
Revise time block per the Traffic study which noted 7:30-8:30am and 2:30-3:30pm

Adjust to correspond with the expected pick-up/dropoff time.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 5:20:00 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add dimension labels for the lane widths within Meadowbrook Parkway.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 5:23:56 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

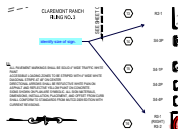
Remove the reduced speed assembly along Meadowbrook Parkway and relocate to Pinyon Jay Dr.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 5:26:06 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

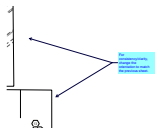
update all applicable callouts to include the lengths for the proposed striping. Update the striping on Meadowbrook to include a redirect taper since you are going from two lanes to three lanes at the intersection.

See ECM Section 2.3.7 for required lane and taper lengths



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 7:39:29 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

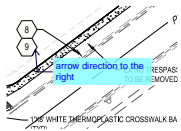
identify size of sign.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 7:45:28 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

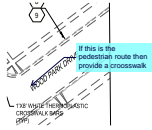
For consistency/clarity, change the orientation to match the previous sheet.





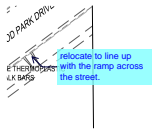
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:08:43 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

arrow direction to the right



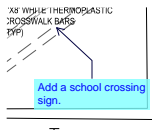
**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:18:04 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

If this is the pedestrian route then provide a crosswalk



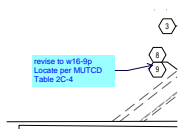
**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:19:22 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

relocate to line up with the ramp across the street.



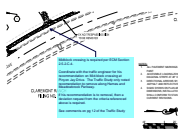
**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:20:43 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add a school crossing sign.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:23:13 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

revise to w16-9p  
 Locate per MUTCD Table 2C-4



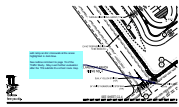
**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 1:57:43 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Midblock crossing is required per ECM Section 2.5.2.C.4.

Coordinate with the traffic engineer for his recommendation on Mid-block crossing at Pinyon Jay Drive. The Traffic Study only noted recommendation to remove along Hames and Meadowbrook Parkway.

If his recommendation is to removal, then a deviation request from the criteria referenced above is required.

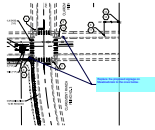
See comments on pg 12 of the Traffic Study



**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 1:58:53 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

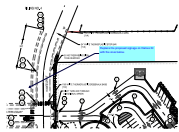
add ramp and/or crosswalk at the areas highlighted in dark blue.

See redline comment to page 15 of the Traffic Study. May need further evaluation after the TIS submits the school route map.



**Subject:** Callout  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 7:52:26 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Replace the proposed signage on Meadowbrook to the ones below.

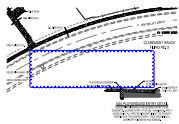


**Subject:** Callout  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 7:53:48 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

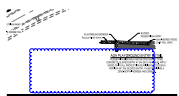
Replace the proposed signage on Hames Dr with the ones below.

---

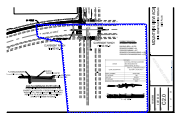
#### Cloud (5)



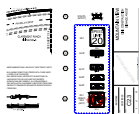
**Subject:** Cloud  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:37:44 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



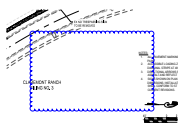
**Subject:** Cloud  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:38:10 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** Cloud  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:38:29 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



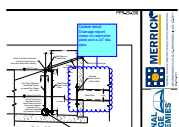
**Subject:** Cloud  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 7:39:37 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** Cloud  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 7:55:19 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

---

### Cloud+ (1)



**Subject:** Cloud+  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:20:24 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Update detail. Drainage report notes no restriction plate and a 24" dia. pipe.

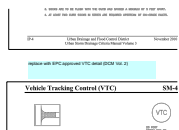
---

### Engineer (5)

Gasket required between concrete and Orifice Plate. Unresolved.

**Subject:** Engineer  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 4:51:00 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Gasket required between concrete and Orifice Plate. Unresolved.



**Subject:** Engineer  
**Page Label:** [33] 33 GEC - DETAILS  
**Author:** CFurchak  
**Date:** 5/19/2020 3:36:42 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

replace with EPC approved VTC detail (DCM Vol. 2)

add stormwater flow lines to legend



**Subject:** Engineer  
**Page Label:** [18] 18 INTERIM GEC  
**Author:** CFurchak  
**Date:** 5/19/2020 3:38:41 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

add stormwater flow lines to legend

REPLY TO THESE CHANGES AND RESPONSES:  
When the AutoCAD file is saved, the changes will be shown on EGP-20-002.  
Please confirm the changes and responses to the comments. Thank you.  
Please do not delete the original comments from the sheet as they are necessary for project completion.

**Subject:** Engineer  
**Page Label:** [18] 18 INTERIM GEC  
**Author:** CFurchak  
**Date:** 5/19/2020 4:09:53 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

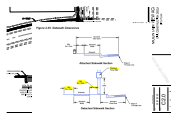
Add a note stating that cut/fill is shown on EGP-20-002

VEHICLE TRACKING CONTROL  
LIMITS OF CONSTRUCTION DO NOT SEEM TO BE THE SAME AS THE LIMITS OF DISTURBANCE. PLEASE CONFIRM.

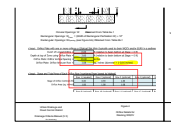
**Subject:** Engineer  
**Page Label:** [18] 18 INTERIM GEC  
**Author:** CFurchak  
**Date:** 5/20/2020 3:08:58 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Limits of construction do not seem to be the same as the limits of disturbance. Please confirm.

## Group (2)

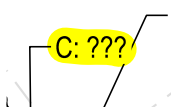


**Subject:** Group  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:38:14 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** Group  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:11:24 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

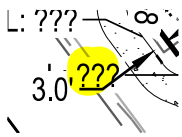
## Highlight (15)




**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:49:37 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**



**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:49:39 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**




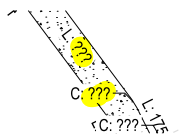
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:49:41 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:50:28 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




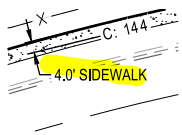
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:50:32 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:50:32 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




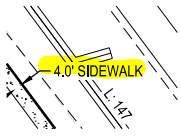
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:51:54 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




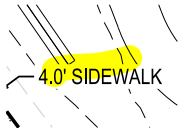
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:51:59 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




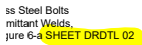
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:52:04 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




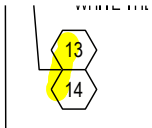
---

**Subject:** Highlight  
**Page Label:** [6] 6 HORIZONTAL CONTROL PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 2:52:07 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




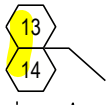
---

**Subject:** Highlight  
**Page Label:** [20] 20 DRAINAGE DETAILS  
**Author:** dsdlaforce  
**Date:** 5/12/2020 5:12:48 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




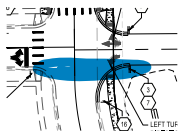
---

**Subject:** Highlight  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:06:29 AM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**




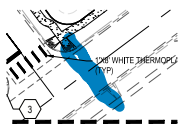
---

**Subject:** Highlight  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 8:06:36 AM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**



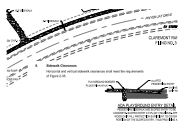
---

**Subject:** Highlight  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 1:42:00 PM  
**Status:**  
**Color:**   
**Layer:**  
**Space:**



Subject: Highlight  
 Page Label: [8] 8 SIGNAGE AND STRIPING  
 Author: dsdlaforce  
 Date: 5/20/2020 1:42:06 PM  
 Status:  
 Color: ■  
 Layer:  
 Space:

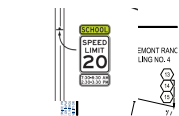
Image (6)



Subject: Image  
 Page Label: [5] 5 SITE PLAN  
 Author: dsdlaforce  
 Date: 5/12/2020 3:37:13 PM  
 Status:  
 Color: ■  
 Layer:  
 Space:



Subject: Image  
 Page Label: [5] 5 SITE PLAN  
 Author: dsdlaforce  
 Date: 5/12/2020 3:37:33 PM  
 Status:  
 Color: ■  
 Layer:  
 Space:



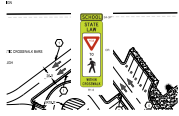
Subject: Image  
 Page Label: [8] 8 SIGNAGE AND STRIPING  
 Author: dsdlaforce  
 Date: 5/19/2020 10:37:03 AM  
 Status:  
 Color: ■  
 Layer:  
 Space:



Subject: Image  
 Page Label: [8] 8 SIGNAGE AND STRIPING  
 Author: dsdlaforce  
 Date: 5/19/2020 11:34:15 AM  
 Status:  
 Color: ■  
 Layer:  
 Space:



Subject: Image  
 Page Label: [9] 9 SIGNAGE AND STRIPING  
 Author: dsdlaforce  
 Date: 5/19/2020 5:21:44 PM  
 Status:  
 Color: ■  
 Layer:  
 Space:

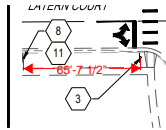


---

**Subject:** Image  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/20/2020 7:54:51 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

---

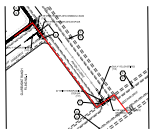
### Length Measurement (1)



**Subject:** Length Measurement  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:42:39 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

---

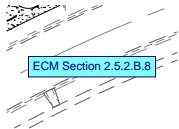
### PolyLine (1)



**Subject:** PolyLine  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 4:52:59 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

---

### Text Box (7)

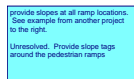


**Subject:** Text Box  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:37:13 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:** ECM Section 2.5.2.B.8



---

**Subject:** Text Box  
**Page Label:** [5] 5 SITE PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 3:38:06 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:** ECM Section 2.5.2.H



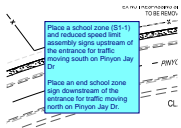
---

**Subject:** Text Box  
**Page Label:** [14] 14 DETAIL GRADING PLAN  
**Author:** dsdlaforce  
**Date:** 5/12/2020 4:30:49 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

provide slopes at all ramp locations. See example from another project to the right.

Unresolved. Provide slope tags around the pedestrian ramps

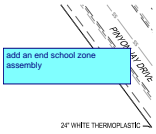




**Subject:** Text Box  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 10:50:26 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

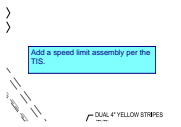
Place a school zone (S1-1) and reduced speed limit assembly signs upstream of the entrance for traffic moving south on Pinyon Jay Dr

Place an end school zone sign downstream of the entrance for traffic moving north on Pinyon Jay Dr.



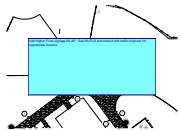
**Subject:** Text Box  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 4:53:12 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

add an end school zone assembly



**Subject:** Text Box  
**Page Label:** [9] 9 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 4:53:45 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add a speed limit assembly per the TIS.



**Subject:** Text Box  
**Page Label:** [8] 8 SIGNAGE AND STRIPING  
**Author:** dsdlaforce  
**Date:** 5/19/2020 5:05:24 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add Higher Fines signage R2-6P. See MUTCD and consult with traffic engineer for appropriate location.