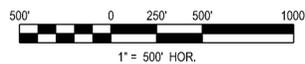


# MOUNTAIN VIEW ACADEMY - CIVIL CONSTRUCTION DOCUMENTS

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



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**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 GAS
- 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  
 SCOT 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 BLO5, A 3-1/4" DIA. CAP MARKED "BLO5" 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.

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 /  
 EGM 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



MOUNTAIN VIEW ACADEMY  
 CIVIL CONSTRUCTION DOCUMENTS  
 COVER SHEET

TITLE

FE STAMP

1 of 35

FOR NUMBER: 651200989  
 DATE: 4/24/2020  
 SHEET: C0.0

FOR AND ON BEHALF OF MERRICK & COMPANY

THIS AND ANY OTHER ELECTRONIC MEDIA COUNTERPART IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUBSTITUTED FOR A PHYSICAL INSTRUMENT OF SERVICE OR FOR ANY OTHER INSTRUMENT OF SERVICE. MERRICK AND COMPANY SHALL BE AT THE SOLE RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY TO MERRICK AND COMPANY.

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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, AND AVAILABLE TO THE LOCAL ENTITIES INSPECTOR AT ALL TIMES.
3. THE PROJECT PLANS AND SPECIFICATIONS AS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, FOR AND ON BEHALF OF MERRICK AND COMPANY, REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT.
4. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
5. THE PROJECT PLANS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE COMPLETED PROJECT IN A COMPLETE AND OPERABLE CONDITION.
6. UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION.
7. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE MAY CAUSE THE WORK TO BE DEEMED UNACCEPTABLE.
8. MERRICK & COMPANY IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK.
9. WHEN APPLICABLE, THE OWNER SHALL HAVE ONSITE AT ALL TIMES, EACH OF THE FOLLOWING:
9.a. THE NOTICE OF INTENT (NOI)
9.b. BEST MANAGEMENT PRACTICES (BMP) MAINTENANCE FOLDER
9.c. UP TO DATE STORMWATER MANAGEMENT PLAN (SWMP) THAT ACCURATELY REPRESENTS CURRENT FIELD CONDITIONS
9.d. ONE (1) SIGNED COPY OF THE APPROVED PLANS
9.e. ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS
9.f. A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB.
10. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE EL PASO COUNTY STANDARDS AND APPLICABLE STATE AND FEDERAL REGULATIONS.
11. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL ENTITY.
12. DO NOT SCALE DRAWINGS. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING.
13. THE BOUNDARY AND TOPOGRAPHIC INFORMATION ON THESE PLANS IS TAKEN FROM FIELD SURVEYS PREPARED BY MERRICK & CO, DATED SEPTEMBER 20, 2019.
14. THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR MOUNTAIN VIEW ACADEMY PREPARED BY TERRACON CONSULTANTS, INC., DATED NOVEMBER 8, 2019.
15. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK AND SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
16. AFTER ACCEPTANCE BY THE LOCAL ENTITY, PUBLIC IMPROVEMENTS DEPICTED IN THESE PLANS SHALL BE GUARANTEED TO BE FREE FROM MATERIAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF TWO YEARS FROM THE DATE OF ACCEPTANCE.
17. THESE PUBLIC IMPROVEMENT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF THREE YEARS FROM THE DATE OF APPROVAL BY THE LOCAL ENTITY ENGINEER.
18. NO WORK MAY COMMENCE WITHIN ANY IMPROVED PUBLIC RIGHT-OF-WAY UNTIL A RIGHT-OF-WAY PERMIT OR DEVELOPMENT CONSTRUCTION PERMIT IS OBTAINED.
19. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF ALL PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AT ALL TIMES, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
20. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE OWNER SHALL CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
21. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
22. THERE SHALL BE NO WORK PERFORMED ON WEEKENDS OR HOLIDAYS, UNLESS ACCEPTED AND APPROVED IN WRITING AND IN ADVANCE BY THE OWNER, ENGINEER, AND LOCAL JURISDICTION.
23. MAINTAIN EMERGENCY VEHICLE ACCESS TO AND THROUGH THE PROJECT SITE AT ALL TIMES.
24. ACCESS TO PRIVATE PROPERTY AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
25. THE CONTRACTOR SHALL CALL THE NATIONWIDE UTILITY CONTACT NUMBER (811) OR LOCAL UTILITY LOCATE SERVICE, TO REQUEST LOCATES OF ALL UNDERGROUND UTILITIES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES, INCLUDING DEPTH, THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES.
27. APPROXIMATE WHEN SHOWN ON THE DRAWINGS. ALL UTILITY INSTALLATIONS WITHIN OR ACROSS THE ROADBED OF NEW RESIDENTIAL ROADS MUST BE COMPLETED PRIOR TO THE FINAL STAGES OF ROAD CONSTRUCTION.
28. A STATE CONSTRUCTION DEWATERING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DEWATERING IS REQUIRED IN ORDER TO INSTALL UTILITIES OR BEFORE WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.
29. THE OWNER SHALL COORDINATE AND COOPERATE WITH THE LOCAL ENTITY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS, ADJUSTMENTS, EXTENSIONS AND REARRANGEMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE.
30. NO WORK MAY COMMENCE WITHIN ANY PUBLIC STORM WATER, SANITARY SEWER OR POTABLE WATER SYSTEM UNTIL THE OWNER NOTIFIES THE UTILITY PROVIDER.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
32. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, EXISTING TOPOGRAPHIC DATA, AND LOCATIONS OF ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION.
33. ANY DISRUPTION IN UTILITIES SHALL BE COORDINATED AT LEAST 48 HOURS IN ADVANCE WITH THE UTILITY OWNER, PROJECT OWNER, EMERGENCY PROVIDERS, ALL IMPACTED LOCAL RESIDENTS, AND IMPACTED BUSINESS OWNERS.
34. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF SURFACE CONDITIONS DISTURBED BY CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE OWNER, PROPERTY OWNER, AFFECTED UTILITY, AND/OR LOCAL JURISDICTION.

- 35. OVERLOT GRADING CONSTRUCTION MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY."
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.
37. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING SOILS TESTS WITHIN THE PUBLIC RIGHT-OF-WAY AFTER RIGHT OF WAY GRADING AND ALL UTILITY TRENCH WORK IS COMPLETE.
38. ALL ROAD CONSTRUCTION IN AREAS DESIGNATED AS WILD FIRE HAZARD AREAS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION CRITERIA AS ESTABLISHED IN THE WILD FIRE HAZARD AREA MITIGATION REGULATIONS IN FORCE AT THE TIME OF FINAL PLAT APPROVAL.
39. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO VARIOUS FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.
40. TRAFFIC CONTROL STANDARDS FOR THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
41. THE OWNER SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD, TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY.
42. SAW CUT ALL JOINTS IN EXISTING PAVEMENTS. SAW CUT JOINTS IN CURB AND GUTTER SECTIONS SHALL BE CONTINUOUS THROUGH THE CURB HEAD.
43. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO INITIATING ANY WORK ON THE PROJECT SITE.
44. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION AND AT AREAS WITH DISTURBED SOIL, ON- OR OFF-SITE, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY.
45. THE OWNER SHALL BE RESPONSIBLE FOR INSURING THAT NO MUD OR DEBRIS SHALL BE TRACKED ONTO THE EXISTING PUBLIC STREET SYSTEM.
46. ALL WASTE MATERIALS SHALL BE PROPERLY DISPOSED OF IN AN APPROVED LANDFILL PERMITTED TO ACCEPT THAT PARTICULAR TYPE OF WASTE.
47. WHERE CONFLICTS EXIST BETWEEN GENERAL NOTES AND THE NOTES OF SPECIFIC GOVERNING JURISDICTIONS, THE GREATER STANDARD OR REQUIREMENT SHALL PREVAIL.

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.
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
3.a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
3.b. CITY OF COLORADO SPRING/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
3.c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
3.d. CDOT M&S STANDARDS
4. 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.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS.
6. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED.

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.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-8619 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

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.
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.
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.
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.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER.
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.
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.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER.
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.
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.
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.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED.
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.
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.
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.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION.
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).
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.

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



Table with 2 columns: DATE, REVISION DESCRIPTION

MOUNTAIN VIEW ACADEMY
CIVIL CONSTRUCTION DOCUMENTS
GENERAL NOTES

FILE NAME: Mountain View Academy\Design\CDs\Civil\Phase 03\Phase 03\COVER.dwg
DATE: 4/27/2020

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LINE TABLE				
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L: 95	S55° 36' 06"W	16.22'	1376079.345 3237103.747	1376070.179 3237090.360
L: 96	S36° 43' 35"E	21.60'	1376094.373 3237036.400	1376077.058 3237049.318
L: 97	S53° 16' 25"W	40.77'	1376103.016 3236979.421	1376078.635 3236946.744
L: 99	S53° 16' 25"W	25.00'	1376075.556 3236935.092	1376060.606 3236915.054
L: 100	S53° 16' 25"W	201.59'	1376049.913 3236909.083	1375929.364 3236747.511
L: 101	S66° 43' 35"E	9.81'	1375930.548 3236715.653	1375926.670 3236724.669
L: 102	S53° 16' 25"W	57.74'	1375930.548 3236715.653	1375896.023 3236669.379
L: 103	S66° 43' 35"E	17.90'	1375896.023 3236669.379	1375888.951 3236665.820
L: 104	S53° 16' 25"W	37.83'	1375883.791 3236686.429	1375861.171 3236656.112
L: 105	S36° 43' 35"E	129.78'	1375837.370 3236646.549	1375733.350 3236724.157
L: 106	N0° 24' 42"W	43.02'	1375653.108 3236736.970	1375696.129 3236736.661
L: 107	N0° 24' 42"W	61.29'	1375654.490 3236760.961	1375715.783 3236760.520
L: 108	S53° 16' 25"W	47.68'	1375803.818 3236818.372	1375775.307 3236780.159
L: 109	S36° 43' 35"E	14.02'	1375803.207 3236822.571	1375791.967 3236830.957
L: 110	S53° 16' 25"W	18.00'	1375802.750 3236845.370	1375791.986 3236830.943
L: 111	S36° 43' 35"E	13.96'	1375802.750 3236845.370	1375791.558 3236853.720
L: 112	S88° 16' 25"W	37.99'	1375784.562 3236844.279	1375783.417 3236806.311
L: 113	S53° 16' 25"W	284.96'	1375874.376 3237061.773	1375703.973 3236833.380
L: 114	S36° 43' 35"E	57.73'	1376012.655 3237094.875	1375966.384 3237129.397
L: 115	S55° 36' 06"W	19.78'	1376059.409 3237117.112	1376048.233 3237100.789
L: 116	S53° 16' 25"W	371.65'	1376080.173 3236996.464	1375857.926 3236996.585
L: 117	S36° 43' 35"E	79.99'	1375818.740 3236992.887	1375754.628 3236740.721
L: 118	S53° 16' 25"W	15.00'	1375860.405 3236743.714	1375851.435 3236731.691
L: 119	S36° 43' 35"E	16.00'	1375877.427 3236734.756	1375864.603 3236744.324
L: 120	S53° 16' 25"W	325.00'	1376072.972 3236996.846	1375878.623 3236736.359
L: 121	S36° 43' 35"E	16.00'	1376072.972 3236996.846	1376060.148 3237006.414
L: 122	S53° 16' 25"W	1.00'	1376060.136 3237011.414	1376059.538 3237010.613
L: 123	N36° 43' 35"W	6.00'	1376071.477 3236994.843	1376076.286 3236991.255
L: 124	N36° 43' 35"W	6.00'	1376070.281 3236993.240	1376075.090 3236989.652
L: 125	N36° 43' 35"W	6.00'	1376047.773 3236956.371	1376047.582 3236952.783
L: 126	N36° 43' 35"W	6.00'	1376041.577 3236954.768	1376046.386 3236951.180
L: 127	N36° 43' 35"W	6.00'	1376029.916 3236939.138	1376034.725 3236935.550
L: 128	N36° 43' 35"W	6.00'	1376005.996 3236907.078	1376010.805 3236903.490
L: 129	N36° 43' 35"W	6.00'	1375975.200 3236865.801	1375980.009 3236862.213
L: 130	N36° 43' 35"W	6.00'	1375974.004 3236864.198	1375978.813 3236860.610
L: 131	N36° 43' 35"W	6.00'	1375946.496 3236827.329	1375951.305 3236823.741
L: 132	N36° 43' 35"W	6.00'	1375945.300 3236825.726	1375950.109 3236822.138
L: 133	N36° 43' 35"W	6.00'	1375914.503 3236784.449	1375919.312 3236780.861
L: 134	N36° 43' 35"W	6.00'	1375909.719 3236778.037	1375914.528 3236774.449
L: 135	N36° 43' 35"W	6.00'	1375878.623 3236736.359	1375883.432 3236732.771

LINE TABLE				
LINE #	BEARING	LENGTH	START NORTHING EASTING	END NORTHING EASTING
L: 136	N36° 43' 35"W	6.00'	1375877.427 3237032.566	1375882.236 3236731.168
L: 137	S36° 43' 35"E	72.49'	1376039.259 3237041.962	1375981.158 3237085.311
L: 138	S53° 16' 25"W	2.50'	1376040.983 3237032.566	1376039.488 3237030.563
L: 139	S36° 43' 35"E	14.00'	1376035.289 3237029.952	1376024.068 3237038.324
L: 140	S53° 16' 25"W	18.00'	1376024.068 3237038.324	1376013.304 3237023.897
L: 141	S36° 43' 35"E	18.84'	1376013.304 3237023.897	1375998.206 3237035.162
L: 142	S53° 16' 25"W	253.00'	1375918.383 3237072.260	1375767.090 3236869.480
L: 143	S53° 16' 25"W	284.96'	1375893.612 3237047.421	1375723.209 3236819.029
L: 144	S88° 16' 25"W	37.99'	1375758.574 3236845.062	1375757.429 3237119.371
L: 145	N55° 20' 25"E	53.93'	1375856.632 3237075.012	1375887.302 3237119.371
L: 146	N50° 41' 19"E	60.92'	1375818.035 3237027.875	1375856.632 3237075.012
L: 147	N53° 18' 59"E	135.84'	1375736.883 3236918.935	1375818.035 3237027.875
L: 148	N53° 18' 59"E	73.23'	1375684.680 3236848.857	1375728.426 3236907.582
L: 149	N77° 43' 16"E	34.06'	1375677.437 3236815.581	1375684.680 3236848.857
L: 150	N26° 35' 55"W	12.26'	1376085.438 3237109.964	1376096.402 3237104.475
L: 154	N53° 16' 25"E	124.88'	1376085.047 3236941.960	1376159.727 3237042.054
L: 155	N36° 43' 35"W	8.00'	1376078.635 3236946.744	1376085.047 3236941.960
L: 157	N42° 11' 56"W	12.21'	1376054.020 3237133.494	1376063.064 3237125.293
L: 164	N84° 29' 17"W	11.84'	1375642.292 3236775.417	1375643.430 3236763.629
L: 165	N84° 55' 35"E	16.57'	1375641.782 3236718.518	1375643.247 3236735.020
L: 171	S0° 24' 42"E	443.34'	1376088.994 3236613.358	1375645.665 3236616.544
L: 172	S53° 16' 23"W	48.10'	1376384.622 3236784.560	1376355.858 3236746.009
L: 173	S0° 24' 42"E	154.47'	1376539.088 3236783.450	1376384.622 3236784.560
L: 175	S63° 24' 25"W	8.43'	1376174.760 3237036.074	1376170.987 3237041.336
L: 181	S53° 16' 25"W	10.00'	1376159.251 3236982.887	1376153.271 3236974.872
L: 182	S53° 16' 25"W	16.00'	1376281.594 3236879.130	1376272.026 3236866.306
L: 184	N36° 43' 35"W	5.00'	1376272.026 3236866.306	1376276.034 3236863.316
L: 185	S53° 16' 25"W	6.00'	1376276.034 3236863.316	1376272.446 3236858.507
L: 186	S36° 43' 35"E	5.00'	1376272.446 3236858.507	1376268.438 3236861.497
L: 187	N36° 43' 35"W	5.00'	1376221.496 3236798.580	1376225.503 3236795.590
L: 190	S36° 43' 35"E	11.00'	1376221.915 3236790.781	1376213.099 3236797.359
L: 191	N53° 16' 25"E	100.50'	1376213.099 3236797.359	1376273.197 3236877.909
L: 192	S36° 43' 35"E	37.36'	1376273.197 3236877.909	1376243.250 3236900.253
L: 193	S53° 16' 25"W	7.00'	1376243.250 3236900.253	1376239.064 3236894.643
L: 194	N53° 16' 25"E	7.00'	1376231.049 3236900.623	1376235.235 3236906.233
L: 195	S53° 16' 25"W	7.00'	1376163.000 3236960.128	1376158.814 3236954.517
L: 196	N53° 16' 25"E	7.00'	1376150.799 3236960.497	1376154.985 3236966.108
L: 197	S36° 43' 35"E	90.13'	1376235.235 3236906.233	1376163.000 3236960.128
L: 198	S36° 43' 35"E	31.61'	1376154.985 3236966.108	1376129.646 3236985.013
L: 199	S53° 16' 25"W	290.13'	1376129.646 3236985.013	1375956.152 3236752.478

LINE TABLE				
LINE #	BEARING	LENGTH	START NORTHING EASTING	END NORTHING EASTING
L: 200	S53° 16' 25"W	6.00'	1376225.503 3236795.590	1376221.915 3236790.781
L: 201	N36° 43' 35"W	31.61'	1375981.491 3236752.478	1375981.491 3236733.573
L: 202	N53° 16' 25"E	15.00'	1375981.491 3236733.573	1375990.461 3236745.595
L: 203	S53° 16' 25"W	15.00'	1375998.476 3236739.615	1375989.506 3236727.593
L: 204	N36° 43' 35"W	31.61'	1375989.506 3236727.593	1376014.845 3236708.687
L: 205	N53° 16' 25"E	108.33'	1376014.845 3236708.687	1376079.628 3236705.516
L: 206	N36° 39' 26"W	18.45'	1376079.628 3236795.516	1376094.427 3236784.503
L: 207	S53° 31' 45"W	6.00'	1376094.427 3236784.503	1376090.861 3236779.678
L: 208	S36° 39' 26"E	12.47'	1376090.861 3236779.678	1376080.853 3236807.125
L: 209	S53° 16' 25"W	102.34'	1376080.853 3236787.125	1376019.654 3236705.099
L: 210	N36° 43' 35"W	53.51'	1376019.654 3236705.099	1376062.543 3236673.100
L: 211	N53° 16' 25"E	15.00'	1376062.543 3236673.100	1376071.512 3236685.123
L: 212	S53° 16' 25"W	15.00'	1376079.527 3236679.143	1376070.558 3236667.120
L: 213	N36° 43' 35"W	14.36'	1376070.558 3236667.120	1376072.071 3236658.530
L: 215	N53° 16' 25"E	95.12'	1376128.254 3236665.246	1376185.138 3236741.489
L: 220	S53° 16' 25"W	40.00'	1376201.168 3236729.529	1376177.249 3236697.469
L: 222	N36° 43' 35"W	18.58'	1376183.354 3236655.484	1376198.249 3236644.371
L: 223	S53° 16' 25"W	20.00'	1376198.249 3236644.371	1376186.289 3236628.341
L: 224	S36° 43' 35"E	22.40'	1376186.289 3236628.341	1376168.336 3236641.735
L: 227	S36° 43' 35"E	157.10'	1376070.111 3236642.500	1375944.192 3236736.448
L: 228	S53° 16' 25"W	16.45'	1375944.192 3236736.448	1375934.352 3236723.260
L: 229	N66° 43' 35"W	9.24'	1375934.352 3236723.260	1375938.002 3236714.774
L: 230	S53° 16' 25"W	62.35'	1375938.002 3236714.774	1375900.715 3236664.797
L: 231	S53° 16' 25"W	47.71'	1376167.742 3237036.074	1376139.213 3236997.837
L: 232	S36° 43' 37"E	122.65'	1376049.896 3237142.752	1375951.596 3237216.094
L: 233	N53° 16' 23"E	9.45'	1375939.520 3237223.126	1375945.172 3237230.702
L: 234	N34° 26' 38"W	8.03'	1375925.782 3237226.495	1375932.406 3237221.952
L: 239	N36° 43' 35"W	25.00'	1376139.213 3236997.837	1376159.251 3236982.887
L: 240	N36° 43' 35"W	160.10'	1376153.271 3236974.872	1376281.594 3236879.130
L: 241	S36° 43' 35"E	61.00'	1376234.030 3236705.011	1376185.138 3236741.489

CURVE TABLE							
CURVE #	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD BEARING	START NORTHING EASTING	END NORTHING EASTING
C: 84	37.65'	86° 17' 03"	25.00'	34.19	N12° 27' 35"E	1376079.345 3237103.747	1376112.730 3237111.124
C: 85	45.90'	87° 40' 18"	30.00'	41.56	S80° 33' 45"E	1376076.993 3237049.367	1376070.179 3237090.360
C: 86	63.62'	90° 00' 00"	40.50'	57.28	N81° 43' 35"W	1376094.373 3237036.400	1376102.615 3236979.720
C: 87	6.31'	48° 11' 23"	7.50'	6.12	N77° 22' 06"E	1376076.895 3236941.067	1376078.234 3236947.043
C: 89	6.31'	48° 11' 23"	7.50'	6.12	S77° 22' 06"W	13	









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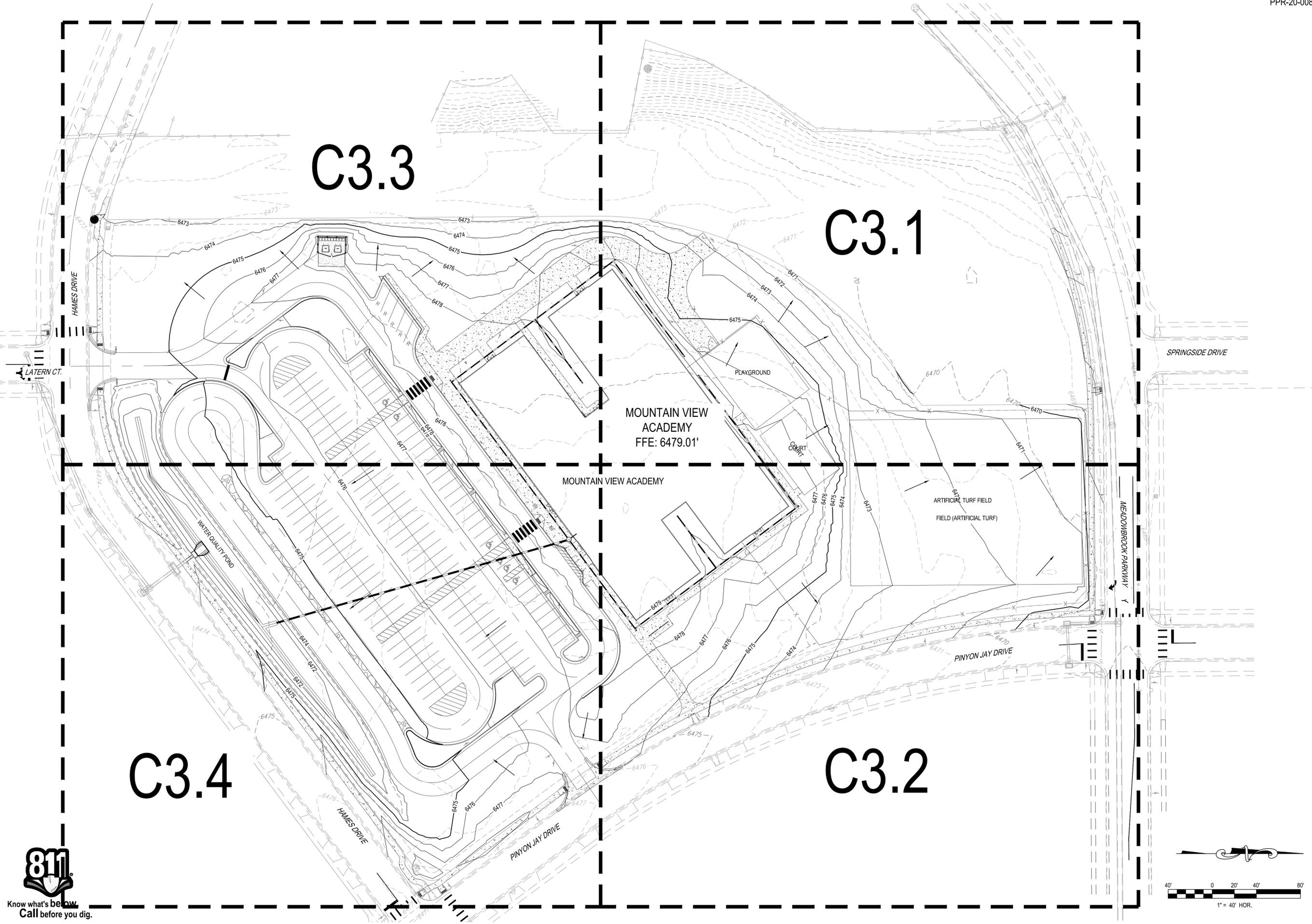
PPR-20-008



REV	REVISION DESCRIPTION	DATE	CHND/CHKD/APPR

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

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



FOR AND ON BEHALF OF MERRICK & COMPANY

















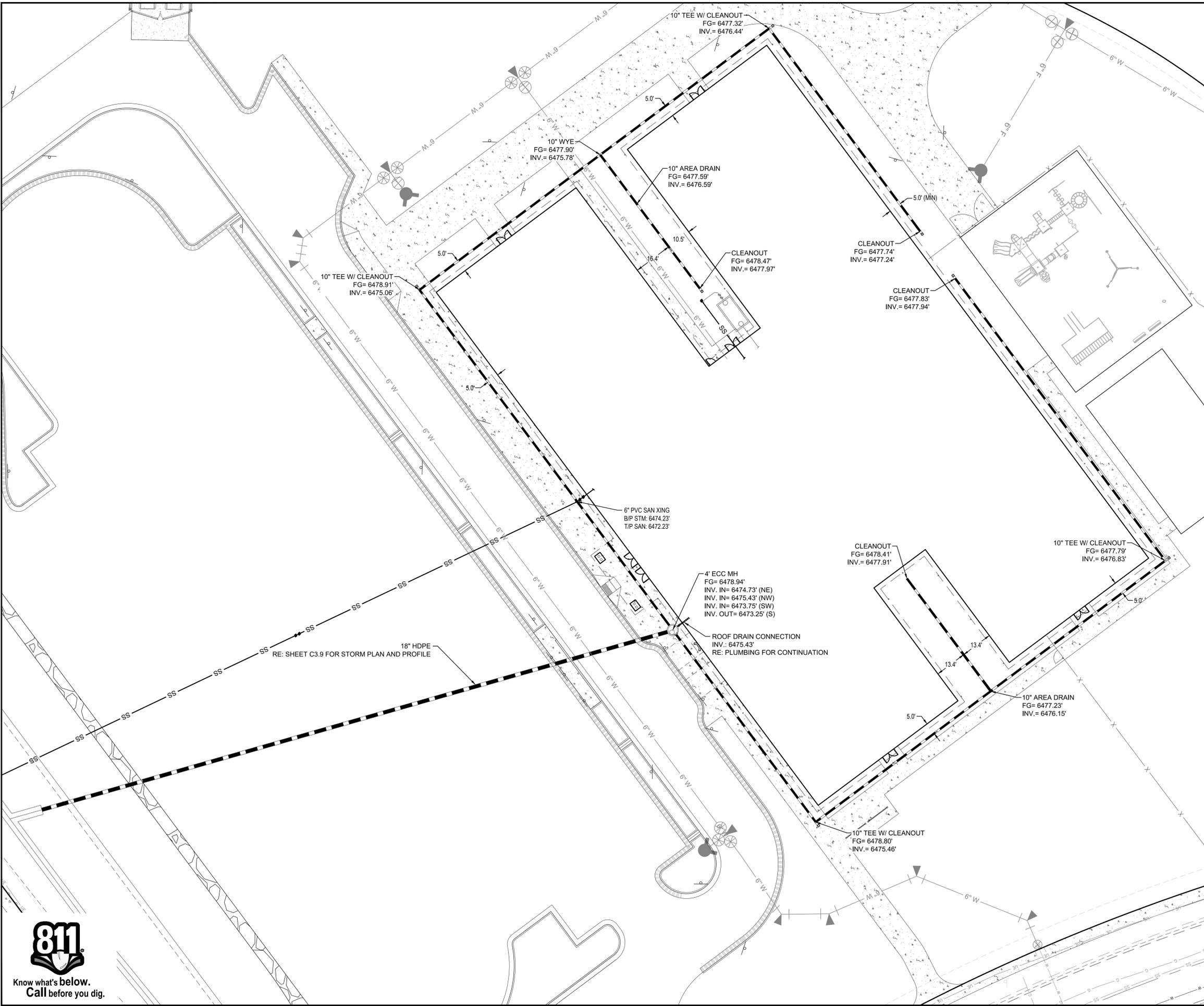


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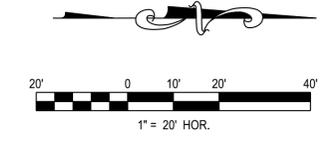


Know what's below.  
Call before you dig.



**LEGEND**

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



PPR-20-008

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**NATIONAL HERITAGE ACADEMIES**

REV	REVISION DESCRIPTION	DATE	CHKD	APPD

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

DATE: 02/07/2020  
SHEET: C3.10  
JOB NUMBER: 65120399









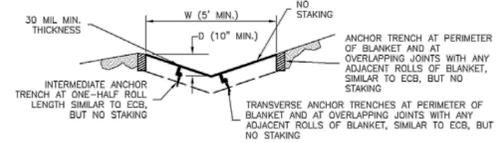




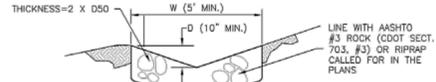




**EC-10 Earth Dikes and Drainage Swales (ED/DS)**



**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**

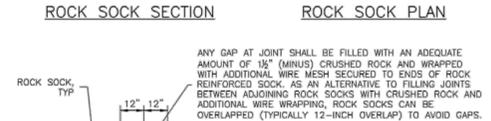
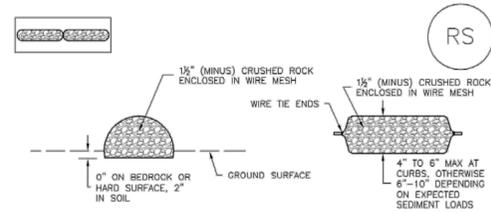
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS 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.

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



GRADATION TABLE	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
NO. 4	
2"	100
1 1/2"	90 - 100
1"	20 - 55
3/4"	0 - 15
3/8"	0 - 5

**ROCK SOCK INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION(S) OF ROCK SOCKS.
- CRUSHED ROCK SHALL BE 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**

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**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.

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REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

**MOUNTAIN VIEW ACADEMY**  
CD SET  
GEC DETAILS 4

JOB NUMBER	65120399
DATE	03/20/2020
SHEET	C4.8
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