

STANDARD CONSTRUCTION NOTES:

- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- 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, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- 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. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY DEVELOPMENT SERVICES DEPARTMENT (DSD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOORPLAN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GRADING NOTES:

- 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.
- 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.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) 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.
- 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 DEC. 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.
- 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.
- 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.
- 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.
- 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.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- 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.
- 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).
- 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.
- 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.
- 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.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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.
- 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.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- 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.
- 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.
- 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.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- 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 (CWA, 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.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- 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.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- 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

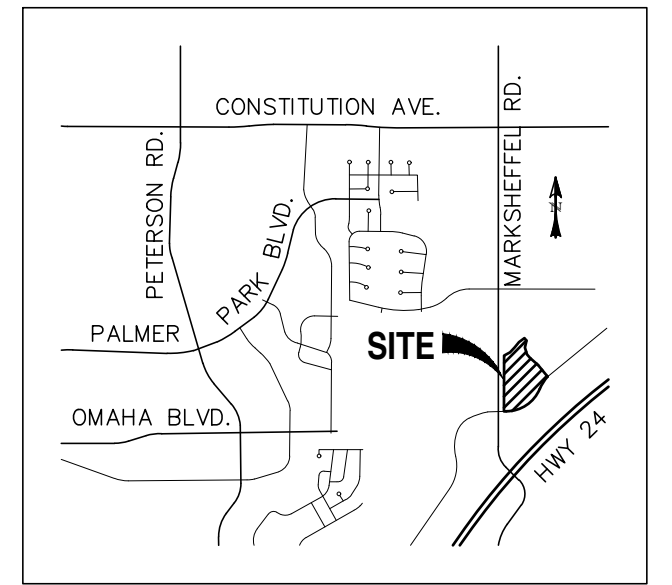
THE VILLAS AT CLAREMONT RANCH

GRADING & EROSION CONTROL PLAN

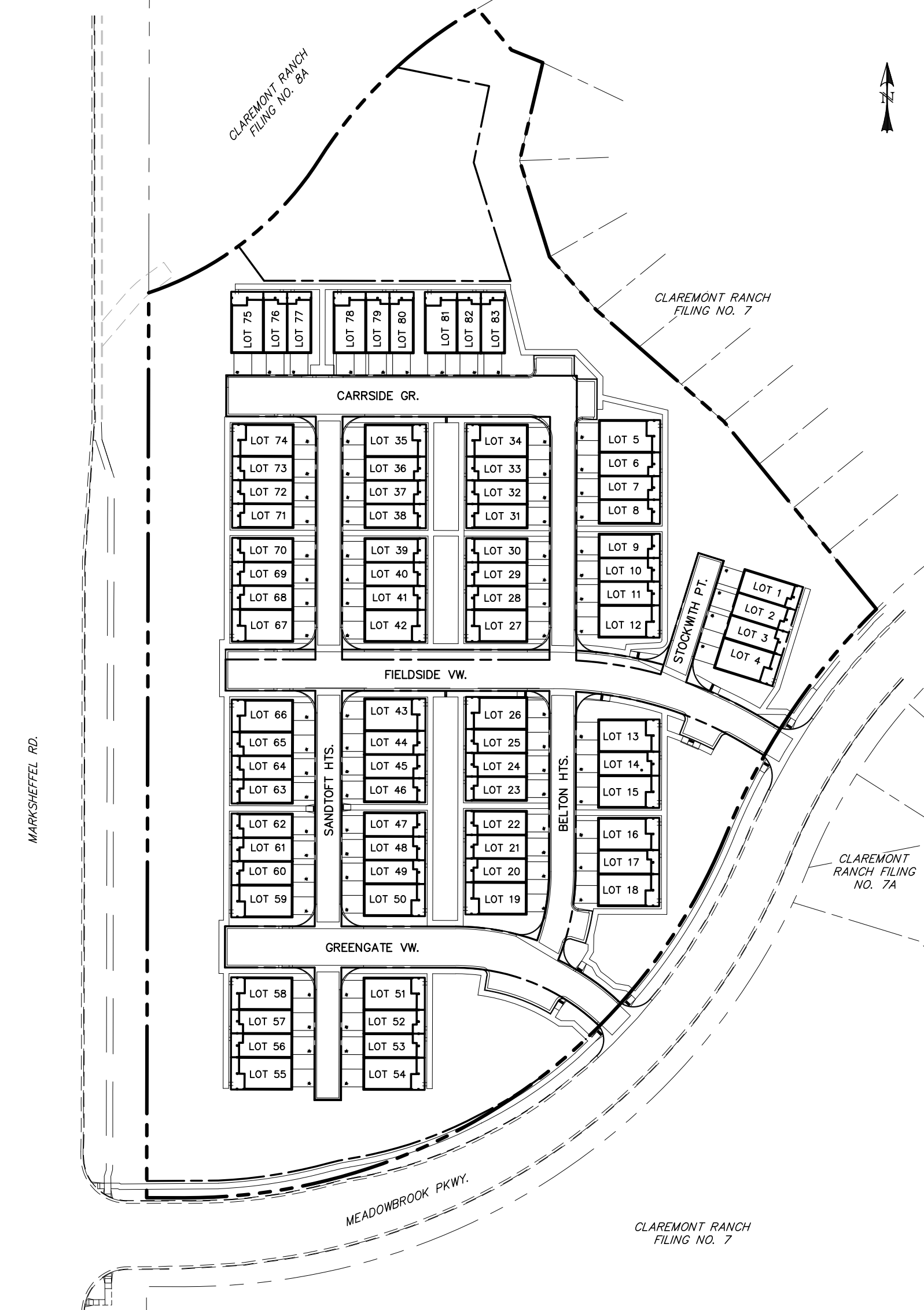
INTERIM & VERTICAL PHASES

EL PASO COUNTY, COLORADO

AS-BUILT DRAWINGS



VICINITY MAP
SCALE: N.T.S.



ENGINEER'S STATEMENT:

THE ONSITE GRADING IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRADING PLANS BASED ON VISUAL OBSERVATION OF FIELD CONDITIONS.

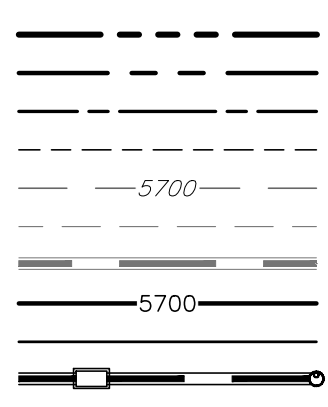


05/23/24
DATE

SITE MAP
SCALE: N.T.S.

LEGEND

- EXISTING
- PROPOSED
- CURB & GUTTER
- EASEMENT
- PUBLIC
- PUBLIC IMPROVEMENT
- BEGIN TRANSITION
- END TRANSITION
- CURB RETURN
- POINT OF CURVATURE
- POINT OF TANGENCY
- POC
- POINT OF COMPOUND CURVATURE
- PRC
- POINT OF REVERSE CURVATURE
- RADIUS POINT
- TYPE 'A' CURB AND GUTTER



BMP LEGEND

- SILT FENCE
- VEHICLE TRACKING CONTROL
- CONCRETE WASHOUT AREA
- SEDIMENT CONTROL LOG
- ROCK SOCK
- STABILIZED STAGING AREA
- STOCKPILE PROTECTION
- PORTABLE TOILET MAINTENANCE
- DRAINAGE SWALE
- TEMPORARY SEDIMENT BASIN

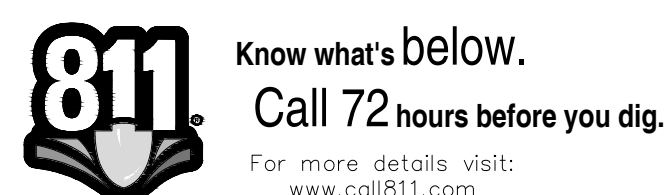
SHEET INDEX:

TITLE SHEET	1	OF	5
GRADING & EROSION CONTROL PLAN--INITIAL	2	OF	5
GRADING & EROSION CONTROL PLAN--INTERIM AND VERTICAL	3	OF	5
DETAIL SHEET	4	OF	5
DETAIL SHEET	5	OF	5

ENGINEERING RECORD DRAWINGS

SF-22-028

REV.	DESCRIPTION	DATE



BASIS OF BEARINGS

THE WESTERN BOUNDARY OF VILLAS AT CLAREMONT.
HAVING AN ASSUMED BEARING OF: N 00°07'45" E

PREPARED FOR:

PHI REAL ESTATE SERVICES, LLC

200 W. CITY CENTER DR. STE 200
PUEBLO, CO 81003

BENCHMARK

FIMS MONUMENT SR08; A 2 INCH DIA. ALUM. FIMS CAP STAMPED "CSU FIMS CONTROL SR08" ON THE NORTHEAST CORNER OF THE CONCRETE BASE OF THE ELECTRIC VAULT NUMBER 084810 ON THE WEST SIDE OF PETERSON ROAD, ABOUT 110 FEET NORTH OF THE NORTH CURB OF CONSTITUTION AVENUE.
ELEVATION: 6522.67



THE VILLAS AT CLAREMONT RANCH

GRADING & EROSION CONTROL PLAN
INTERIM AND VERTICAL PHASES

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 07/15/22
JOB NUMBER	SHEET
	1 OF 4

BASIC GRADING, EROSION AND STORMWATER QUALITY REQUIREMENTS AND GENERAL PROHIBITIONS:

- *INFORMATION TAKEN FROM THE EL PASO COUNTY DRAINAGE CRITERIA MANUAL VOLUME 2, HEREIN REFERRED TO AS THE "MANUAL."
- 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.
 - CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM FACILITIES.
 - BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMP'S MAY BE REQUIRED BY COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G., ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
 - VEHICLE TRACKING OF SOILS OFF-SITE SHALL BE MINIMIZED.
 - ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
 - NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE COUNTY ENGINEER. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
 - BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
 - ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMP'S IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE MANUAL AND IN ACCORDANCE WITH THE EROSION AND STORMWATER QUALITY CONTROL PLAN APPROVED BY THE COUNTY OF EL PASO, IF REQUIRED.
 - ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMP'S AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS AND THE MANUAL AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION. THE INSTALLATION OF THE FIRST LEVEL OF TEMPORARY EROSION CONTROL FACILITIES AND BMP'S SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY EARTH DISTURBANCE OPERATIONS TAKING PLACE.
 - ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
 - ALL EARTH DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
 - ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
 - SUSPENDED SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE MINIMIZED IN RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH DISTURBANCE.
 - ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
 - TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO THE STANDARDS AND SPECIFICATIONS PRESCRIBED IN THE MANUAL, AND IN ACCORDANCE WITH THE PERMANENT EROSION CONTROL FEATURES SHOWN ON THE EROSION AND STORMWATER QUALITY CONTROL PLANS APPROVED BY THE COUNTY OF EL PASO, IF REQUIRED.
 - SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
 - NO PERSON SHALL CAUSE, PERMIT, OR CONTRIBUTE TO THE DISCHARGE INTO THE MUNICIPAL SEWER STORM SEWER POLLUTANTS THAT COULD CAUSE THE COUNTY OF EL PASO TO BE IN VIOLATION OF ITS COLORADO DISCHARGE PERMIT SYSTEM MUNICIPAL STORMWATER DISCHARGE PERMIT.
 - THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
 - NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER, INCLUDING THE TEMPORARY OR PERMANENT RAMPS WITH MATERIALS FOR VEHICLE ACCESS.
 - INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (16 USC 1364) REGULATIONS, PROMULGATED, CERTIFICATES OR PERMITS ISSUED, IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE MANUAL. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
 - THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM 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. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO A STATE WATER AT ANY TIME.
 - SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT STORAGE, AND EQUIPMENT FUELING AND SERVICING AREAS TO PREVENT THE POLLUTION OF ANY STATE WATERS, INCLUDING WETLANDS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.

EXISTING VEGETATION NOTE:
EXISTING LOT VEGETATION CONSISTS OF SPARSE NATIVE GRASSES AND A FEW SHRUBS. ALL EXISTING (SPARSE) VEGETATION SHALL BE REMOVED PRIOR TO CONSTRUCTION.

BMP INSTALLATION STAGING NOTES:

- STAGE 1 - PRE-DISTURBANCE**
INSTALL INITIAL STORMWATER QUALITY (SWQ) BEST MANAGEMENT PRACTICES (BMP'S) AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES. THESE BMP'S CONSIST OF THE PERIMETER CONTROLS OF SILT FENCE, CURB SOCKS, INLET PROTECTION OF EXISTING INLETS, AND THE VEHICLE TRACKING CONTROL PAD.
- STAGE 2 - OVERLIFT GRADING**
COMMENCE THE BULK OF OVERLIFT GRADING OPERATIONS AND INSTALL TEMPORARY BMP'S AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN. TEMPORARY BMP'S MAY CONSIST OF ADDITIONAL SILT FENCE AND SURFACE ROUGHENING OF SLOPES.
- STAGE 3 - INFRASTRUCTURE & BUILDING CONSTRUCTION**
CONSTRUCT SITE IMPROVEMENTS AS SHOWN ON THE APPLICABLE CONSTRUCTION DOCUMENTS. ADDITIONAL TEMPORARY BMP'S CONSISTING OF ADDITIONAL SILT FENCE, CONCRETE WASH-OUT AREA, AND INLET PROTECTION OF PERMANENT DRAINAGE IMPROVEMENTS. ANY STOCKPILED DIRT SHALL BE PROTECTED BY A PERIMETER OF SILT FENCE.
- STAGE 4 - PERMANENT STABILIZATION**
PERMANENT SWQ BMP'S SUCH AS RIP-RAP, CURB & GUTTER, PAVEMENT, LANDSCAPING, AND RESEEDING SHALL BE CONSTRUCTED AT THIS TIME AS OUTLINED ON THE GRADING AND EROSION CONTROL PLAN AND THE LANDSCAPE AND IRRIGATION PLANS, DRAINAGE REPORT, AND/OR CONSTRUCTION DOCUMENTS. ALL DISTURBED AREAS THAT ARE NOT PERMANENTLY PAVED OR LANDSCAPED SHALL BE PERMANENTLY RESEEDED.

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
PROPERTY BOUNDARY	---
RIGHT-OF-WAY	---
LOT LINE	---
(E) CONTOUR, INDEX	---6400---
(E) CONTOUR	---
(P) CONTOUR, INDEX	---6400---
(P) CONTOUR	---
(E) STORM SEWER	---
(P) STORM SEWER	---
LIMITS OF CONSTRUCTION/ LIMITS OF DISTURBANCE	---
DIRECTION OF FLOW	---
OVERLAND FLOW ARROW	---
(E) DRAINAGE SWALE	---

EROSION PROTECTION & REVEGETATION REQUIREMENTS
PER U.S.D.A. SOIL CONSERVATION SERVICE GUIDELINES:

1. PRACTICE NO. & NAME: 342 - CRITICAL AREA TREATMENT
RANGE SITE: SANBY Foothills

2. PLANNED SEEDING PREP:
A. METHOD: _____
B. DATES (OCT. 15 - MAY 31): _____
C. CLEAN TILLED: XX
FIRM SEEDBED: XX
STURBLE COVER: _____
INTERSEED: _____
OTHER: _____

SEEDING OPERATION:
A. METHOD: DRILL, XX
CHEMICAL: INTERSEED
BROADCAST: _____
B. DRILL SPACING: 6-12"
TYPE: GRASS, W/AGITATOR
C. DATE OF SEEDING: MAY 31
PLANTING DEPTH: 1/4-1/2"

FERTILIZER:
POUNDS ACTUAL PER ACRE: 40
AVAILABLE: 40
P205: 40
K: N/A

MULCH:
KIND: LONG - STEM NATIVE HAY
AMOUNT: 4,000 POUNDS/ACRE
HOW APPLIED: N/A
HOW ANCHORED: DISPERSED
ANCHORAGE DEPTH: 4"

WEED CONTROL: N/A

SEED:
VARIETY SPECIES REQUIRED PLS RATES PER ACRES (100%)
GOSHEN PRAIRIE SANDREED 6.5
VAUGHN SIBEDATS GRAMMA 9.0
LDVINGTON BLUE GRAMMA 3.0
BLACKWELL SWITCH GRASS 4.5
PASTURA LITTLE BLUESTEM 7.0

(2) % OF SPECIES IN MIXTURE	(3) PLS SEEDING RATE PER SPECIES/ACRE (3) x (2)	(4) PLANNED ACRES	(5) TOTAL PLS LBS./ SPECIES PLANNED (2) x (4)
15	0.98	8.8	8.6
25	2.25	8.8	19.8
15	0.45	8.8	4.0
20	0.90	8.8	7.9
25	1.75	8.8	15.4

SEEDING GUIDELINES

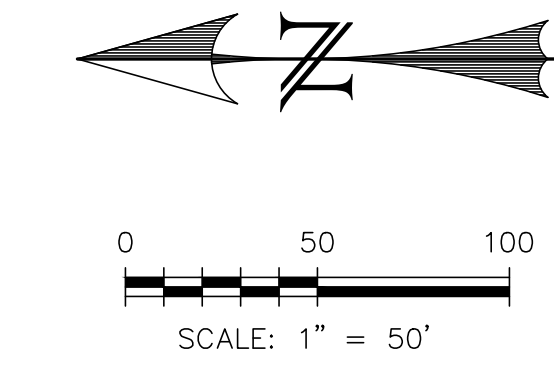
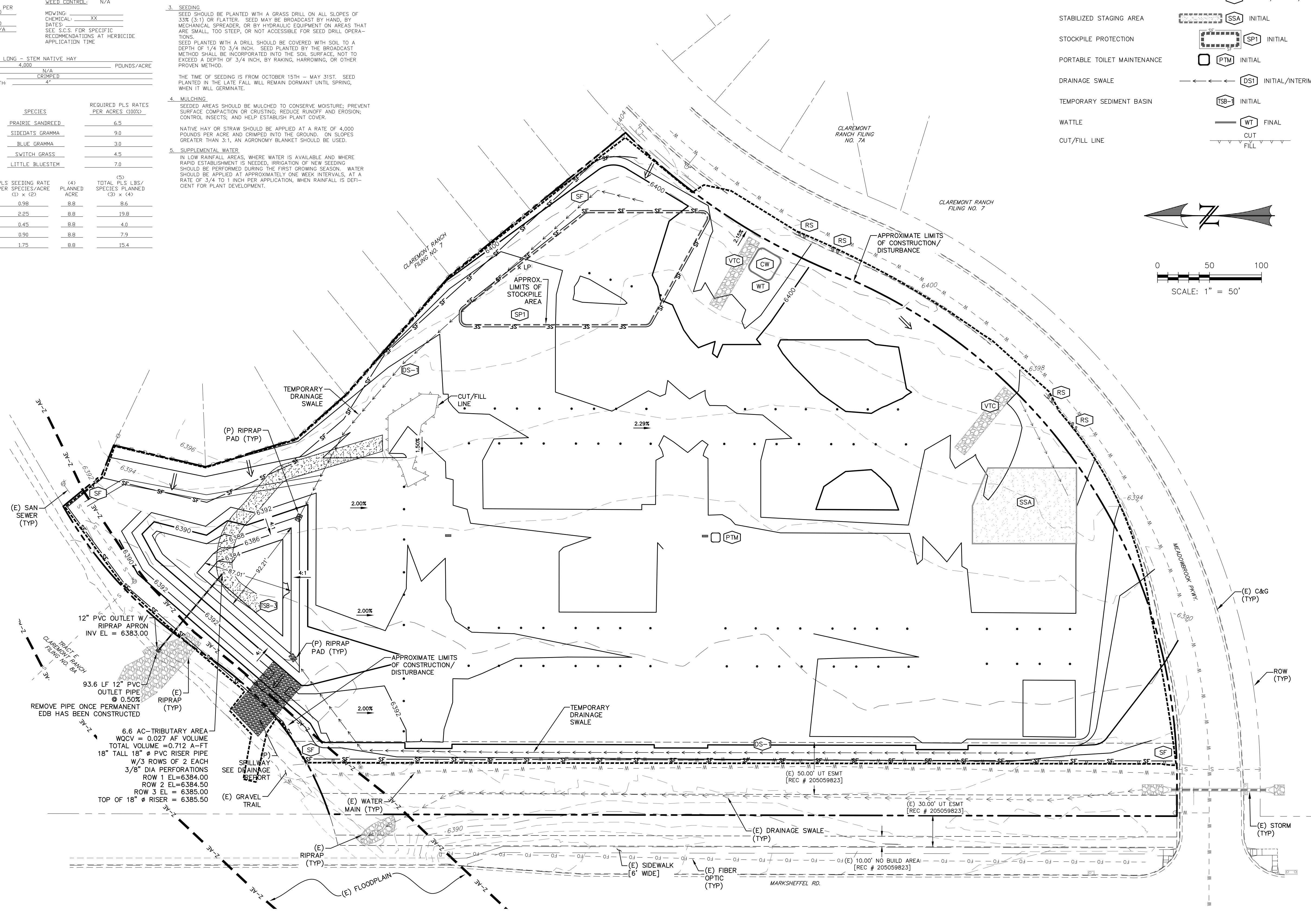
- SEEDBED PREPARATION**
THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRAGILE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE STANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED BY SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE BEEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, SHOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, THEN HARROWED, ROLLED, OR PULVERIZED TO PREPARE THE REQUIRED FIRM SEEDBED.
- FERTILIZER**
FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAILABLE NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. THE TIME OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT THE TIME OF SEEDING, OR IMMEDIATELY FOLLOWING SEEDING, DEPENDING ON THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.
- SEEDING**
SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 1/4 TO 3/4 INCH. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL SPREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, TOO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED PLANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF 1/4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE INCORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 INCH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD.
- MULCHING**
SEEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE, PREVENT SURFACE COMPACTION OR CRUSTING, REDUCE RUNOFF AND EROSION; CONTROL INSECTS, AND HELP ESTABLISH PLANT COVER. NATIVE HAY OR STRAW SHOULD BE APPLIED AT A RATE OF 4,000 POUNDS PER ACRE AND CRIMPED INTO THE GROUND, ON SLOPES GREATER THAN 3:1, AN AGRONOMY BLANKET SHOULD BE USED.
- SUPPLEMENTAL WATER**
IN LOW RAINFALL AREAS WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER SHOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS AT A RATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS DEFICIENT FOR PLANT DEVELOPMENT.

NOTES:

- THE LOCATION OF SOIL STOCKPILE(S) AND STAGING AREA SHALL BE DETERMINED BY THE CONTRACTOR. APPROPRIATE EROSION CONTROL BMP MEASURES SHALL BE FOLLOWED FOR EACH.
- EXISTING LOT VEGETATION CONSISTS OF SPARSE NATIVE GRASSES AND A FEW SHRUBS. ALL EXISTING (SPARSE) VEGETATION SHALL BE REMOVED PRIOR TO CONSTRUCTION.
- FINAL VEGETATION TO BE INSTALLED PER APPROVED FINAL LANDSCAPE PLAN. INTERIM REVEGETATION PROVIDED IF PROJECT IS TO BE DORMANT FOR EXTENDED PERIOD OF TIME.

BMP LEGEND

(P) LIMITS OF CONSTRUCTION LIMITS OF DISTURBANCE	---	INITIAL
SILT FENCE	SF	INITIAL
VEHICLE TRACKING CONTROL	VTC	INITIAL
CONCRETE WASHOUT AREA	CWA	FINAL
SEDIMENT CONTROL LOG	SCL	FINAL
ROCK SOCK	RS	INITIAL/INTERIM/FINAL
STABILIZED STAGING AREA	SSA	INITIAL
STOCKPILE PROTECTION	SPT	INITIAL
PORTABLE TOILET MAINTENANCE	PTM	INITIAL
DRAINAGE SWALE	DS	INITIAL/INTERIM
TEMPORARY SEDIMENT BASIN	TSB	INITIAL
WATTLE	WT	FINAL
CUT/FILL LINE	---	CUT FILL



REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	10/05/21
2	ADDRESS AGENCY COMMENTS	12/03/21

811 Know what's below.
Call 72 hours before you dig.
For more details visit:
www.call811.com

PREPARED FOR:
PHI REAL ESTATE SERVICES, LLC
200 W. CITY CENTER DR. STE 200
PUEBLO, CO 81003

PREPARED UNDER THE CLOSELY SUPERVISED AND CONTROL OF AND BEHALF OF CATAMOUNT ENGINEERING.
DAVID L. MORALES, REGISTERED PROFESSIONAL ENGINEER
NO. 40510
DATE: 05/23/24

CATAMOUNT ENGINEERING
321 W. HENRIETTA AVE
WOODLAND PARK, CO 80866
(719) 428-2124

ENGINEERING RECORD DRAWINGS

THE VILLAS AT CLAREMONT RANCH
GRADING & EROSION CONTROL PLAN
INITIAL PHASE (PUDSP)

DESIGNED BY: MGP DRAWN BY: MGP
SCALE: N/A DATE: 11/03/20
JOB NUMBER: 16-102 SHEET: 2 OF 5

BASIC GRADING, EROSION AND STORMWATER QUALITY REQUIREMENTS AND GENERAL PROHIBITIONS:

- *INFORMATION TAKEN FROM THE EL PASO COUNTY DRAINAGE CRITERIA MANUAL VOLUME 2, HEREIN REFERRED TO AS THE "MANUAL".
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS.
 - CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM FACILITIES.
 - BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMP'S MAY BE REQUIRED BY COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G. ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
 - VEHICLE TRACKING OF SOILS OFF-SITE SHALL BE MINIMIZED.
 - ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
 - NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE COUNTY ENGINEER. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
 - BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
 - ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMP'S IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE MANUAL AND IN ACCORDANCE WITH THE EROSION AND STORMWATER QUALITY CONTROL PLAN APPROVED BY THE COUNTY OF EL PASO, IF REQUIRED.
 - ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMP'S AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS AND THE MANUAL AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION. THE INSTALLATION OF THE FIRST LEVEL OF TEMPORARY EROSION CONTROL FACILITIES AND BMP'S SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY EARTH DISTURBANCE OPERATIONS TAKING PLACE.
 - ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
 - ALL EARTH DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
 - ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
 - SUSPENDED SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE MINIMIZED IN RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH DISTURBANCE.
 - ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
 - TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO THE STANDARDS AND SPECIFICATIONS PRESCRIBED IN THE MANUAL, AND IN ACCORDANCE WITH THE PERMANENT EROSION CONTROL FEATURES SHOWN ON THE EROSION AND STORMWATER QUALITY CONTROL PLANS APPROVED BY THE COUNTY OF EL PASO, IF REQUIRED.
 - SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER FINAL GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
 - NO PERSON SHALL CAUSE, PERMIT, OR CONTRIBUTE TO THE DISCHARGE INTO THE MUNICIPAL SEWER STORM SEWER POLLUTANTS THAT COULD CAUSE THE COUNTY OF EL PASO TO BE IN VIOLATION OF ITS COLORADO DISCHARGE PERMIT SYSTEM MUNICIPAL STORMWATER DISCHARGE PERMIT.
 - THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
 - NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER, INCLUDING THE TEMPORARY OR PERMANENT RAMPS WITH MATERIALS FOR VEHICLE ACCESS.
 - INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), REGULATIONS PROMULGATED, CERTIFICATIONS OR PERMITS ISSUED, IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE MANUAL. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
 - THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM 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. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO A STATE WATER AT ANY TIME.
 - SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT STORAGE, AND EQUIPMENT FUELING AND SERVICING AREAS TO PREVENT THE POLLUTION OF ANY STATE WATERS, INCLUDING WETLANDS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.

SEEDING GUIDELINES

- 1. SEEDBED PREPARATION**
THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRAGILE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE STANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED BY SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE BEEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, SHOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, WHEN HARROWED, ROLLED, OR PACKED TO PREPARE THE REQUIRED FIRM SEEDBED.
- 2. FERTILIZER**
FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAILABLE NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. THE TIME OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT THE TIME OF SEEDING, OR IMMEDIATELY FOLLOWING SEEDING, DEPENDING ON THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.
- 3. SEEDING**
SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 3:3% (2:1) OR FLATTER. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL SPREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, TOO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED PLANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF 1/4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE INCORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 INCH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD.
THE TIME OF SEEDING IS FROM OCTOBER 15TH - MAY 31ST. SEED PLANTED IN THE LATE FALL WILL REMAIN DORMANT UNTIL SPRING, WHEN IT WILL GERMINATE.
- 4. MULCHING**
SEEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT SURFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION; CONTROL INSECTS; AND HELP ESTABLISH PLANT COVER.
NATIVE HAY OR STRAW SHOULD BE APPLIED AT A RATE OF 4,000 POUNDS PER ACRE AND CRIMPED INTO THE GROUND. ON SLOPES GREATER THAN 3:1, AN AGRONOMY BLANKET SHOULD BE USED.
- 5. SUPPLEMENTAL WATER**
IN LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER SHOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS, AT A RATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS DEFICIENT FOR PLANT DEVELOPMENT.

NOTES:

- THE LOCATION OF SOIL STOCKPILE(S) AND STAGING AREA SHALL BE DETERMINED BY THE CONTRACTOR. APPROPRIATE EROSION CONTROL BMP MEASURES SHALL BE FOLLOWED FOR EACH EXISTING VEGETATION TO BE REMOVED PRIOR TO INITIAL PHASE.
- FINAL VEGETATION TO BE INSTALLED PER APPROVED FINAL LANDSCAPE PLAN. INTERIM REVEGETATION PROVIDED IF PROJECT IS TO BE DORMANT FOR EXTENDED PERIOD OF TIME.

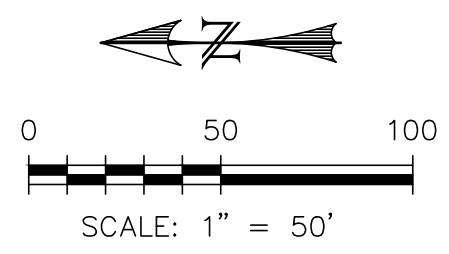
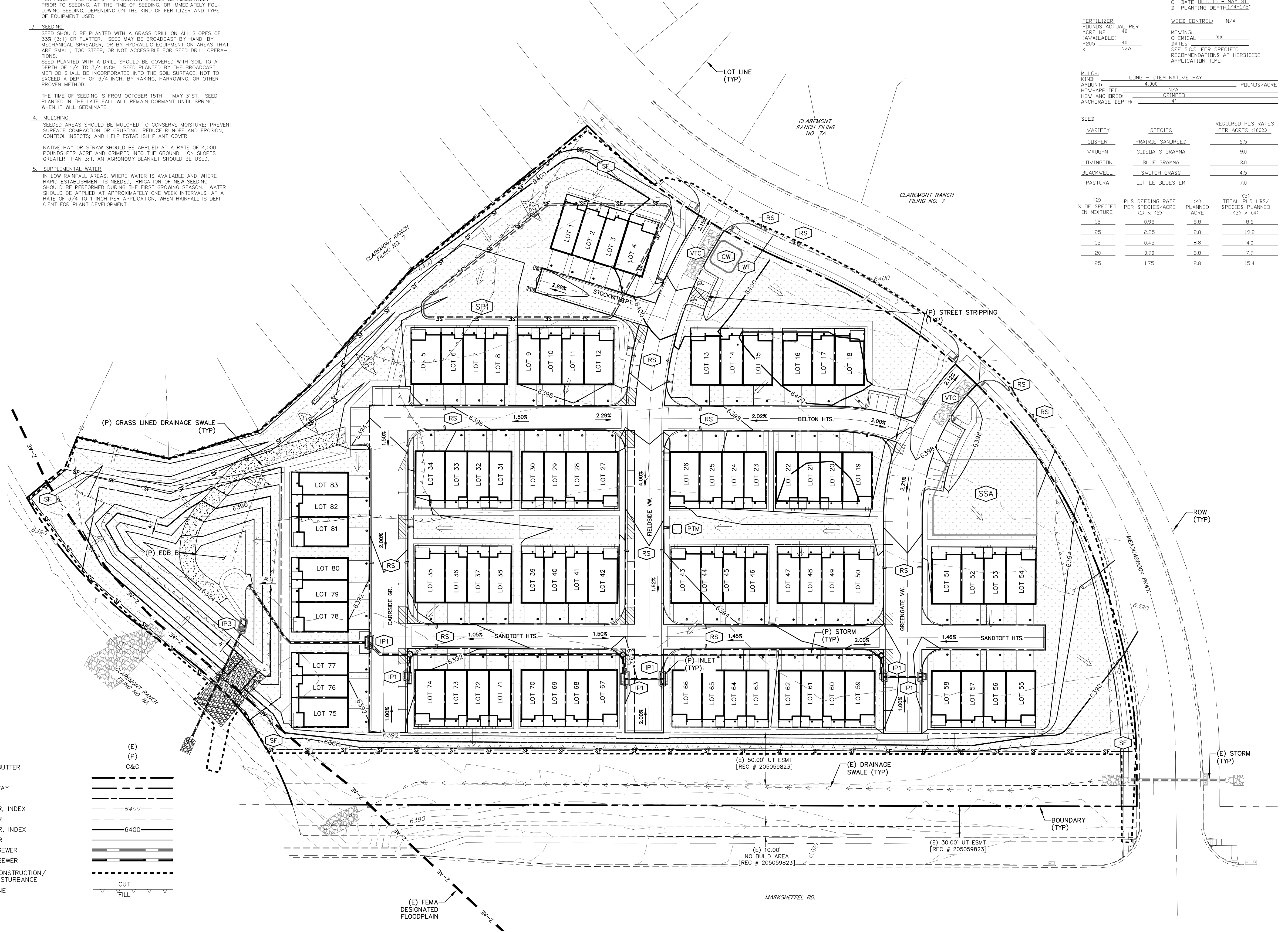
EROSION PROTECTION & REVEGETATION REQUIREMENTS
PER U.S.D.A. SOIL CONSERVATION SERVICE GUIDELINES:

1. PRACTICE NO. & NAME: 342 - CRITICAL AREA TREATMENT RANGE SITE: SANDY FOOTHILLS	
2. PLANNED SEEDING PREP:	
A. METHOD: _____	SEEDING OPERATION:
B. DATES: OCT. 15 - MAY 31	A. METHOD: DRILL
C. CLEAN TILLED: XX	B. INTERSEED: _____
D. FIRM SEEDBED: XX	C. BROADCAST: _____
E. STUBBLE COVER: _____	D. TYPE: GRASS W/AGITATOR
F. INTERSEED: _____	E. DATE: OCT. 15 - MAY 31
G. OTHER: _____	F. PLANTING DEPTH: 1/2"
WEED CONTROL: N/A	
MOWING: _____	
CHEMICAL: _____	
DATES: _____	
SEE S.C.S. FOR SPECIFIC RECOMMENDATIONS AT HERBICIDE APPLICATION TIME	

MULCH:	LONG - STEM NATIVE HAY	POUNDS/ACRE
KIND:	4,000	
AMOUNT:	N/A	
HOW-APPLIED:	CRIMPED	
HOW-ANCHORED:	4"	
ANCHORAGE DEPTH:		

SEED VARIETY	SPECIES	REQUIRED PLS. RATES PER ACRES (100%)
GOSHEN	PRAIRIE SANDREED	6.5
VAUGHN	SIDEHATS GRAMMA	9.0
LOVINGTON	BLUE GRAMMA	3.0
BLACKWELL	SWITCH GRASS	4.5
PASTURA	LITTLE BLUESTEM	7.0

(2) % OF SPECIES IN MIXTURE	(3) PLS SEEDING RATE PER SPECIES/ACRE (10" x 60")	(4) PLANNED ACRE	(5) TOTAL PLS LBS./SPECIES PLANNED (3) x (4)
15	0.98	8.8	8.6
25	2.25	8.8	19.8
15	0.45	8.8	4.0
20	0.90	8.8	7.9
25	1.75	8.8	19.4



BMP LEGEND

SILT FENCE	SF	INITIAL/INTERIM/FINAL
VEHICLE TRACKING CONTROL	VTC	INITIAL/INTERIM
CONCRETE WASHOUT AREA	CWA	INTERIM/FINAL
INLET PROTECTION (ROCK SOCK)	IP-3	INTERIM/FINAL
SEDIMENT CONTROL LOG/WATTLE	SCL	INITIAL/INTERIM/FINAL
ROCK SOCK	RS	INTERIM/FINAL
INLET PROTECTION (BLOCK & ROCK SOCK)	IP-1	INTERIM/FINAL
STABILIZED STAGING AREA	SSA	INITIAL/INTERIM
STOCKPILE PROTECTION	SP-1	INITIAL/INTERIM
PORTABLE TOILET MAINTENANCE	PTM	INITIAL/INTERIM/FINAL
STREET PAINT STRIPING		FINAL
CHECK DAM	CD	INITIAL/INTERIM
DIRECTION OF OVERLAND FLOW		FINAL
AREAS OF FINAL SEEDING		FINAL

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
BOUNDARY	
RIGHT-OF-WAY	
LOT LINE	
(E) CONTOUR, INDEX	6400
(E) CONTOUR	6400
(P) CONTOUR, INDEX	
(P) CONTOUR	
(E) STORM SEWER	
(P) STORM SEWER	
LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE	
CUT/FILL LINE	

REV.	DESCRIPTION	DATE

811 Know what's below.
Call 72 hours before you dig.
For more details visit: www.call811.com

PREPARED FOR:
PHI REAL ESTATE SERVICES, LLC
200 W. CITY CENTER DR. STE 200
PUEBLO, CO 81003

PREPARED UNDER MY DIRECT SUPERVISION FOR AND BEHALF OF CATAMOUNT ENGINEERING, INC.
David Mijares
DAVID L. MIJARES, COLORADO PE #40510
05/23/24 DATE

CATAMOUNT ENGINEERING
211 W. HENRIETTA AVE
PO BOX 221
WOODLAND PARK, CO 80866
(719)428-2124

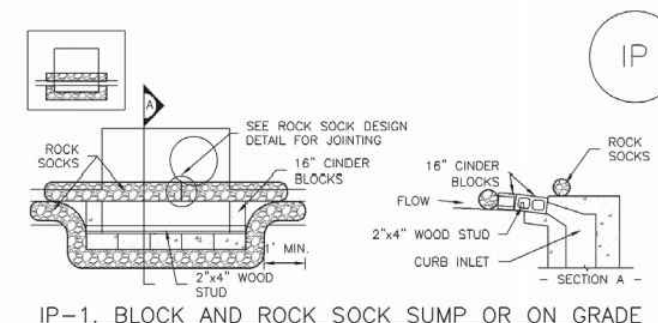
ENGINEERING RECORD DRAWINGS

THE VILLAS AT CLAREMONT RANCH

GRADING & EROSION CONTROL PLAN
INTERIM AND VERTICAL PHASES

DESIGNED BY: MGP DRAWN BY: MGP
SCALE: 1" = 50' DATE: 07/15/22
JOB NUMBER: 16-102 SHEET: 3 OF 5

SC-6 Inlet Protection (IP)



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

ROCK SOCK DESIGN DETAIL FOR JOINTING

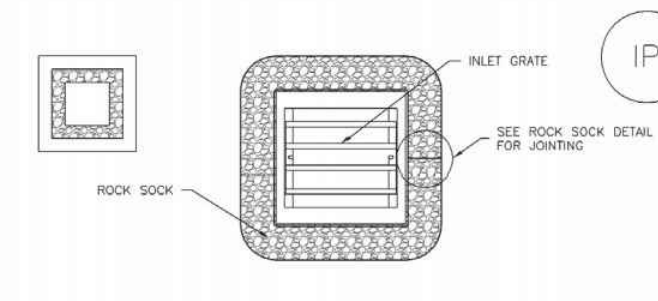
- SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
- CONCRETE "CONCRETE" BLOCKS SHALL BE LAD ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, BUTTING THE SIDES WITH THE OPEN END FACING AWAY FROM THE CURB.
- GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND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

BLOCK AND CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

- SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
- CONCRETE "CONCRETE" BLOCKS SHALL BE LAD ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, BUTTING THE SIDES WITH THE OPEN END FACING AWAY FROM THE CURB.
- GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.
- AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
August 2013
IP1

SC-6 Inlet Protection (IP)



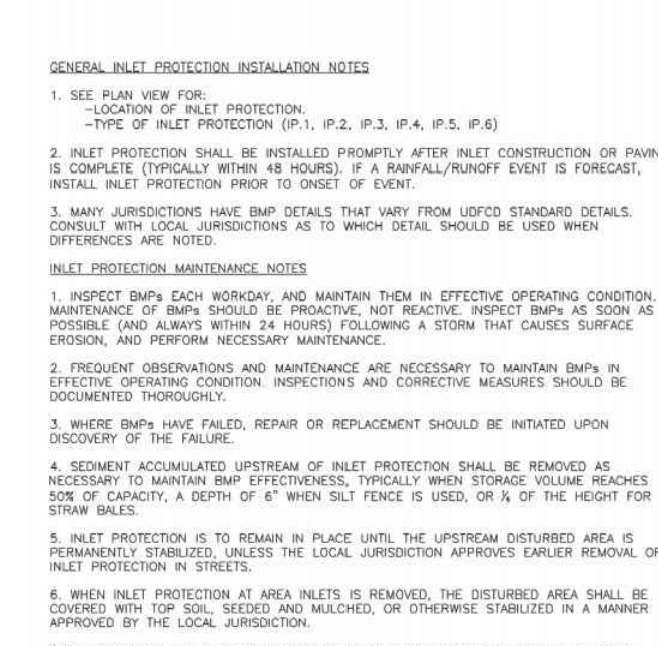
IP-2. CURB ROCK SOCKS UPSTREAM OF CURB ROCK SOCK INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

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

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
August 2013
IP3

SC-6 Inlet Protection (IP)



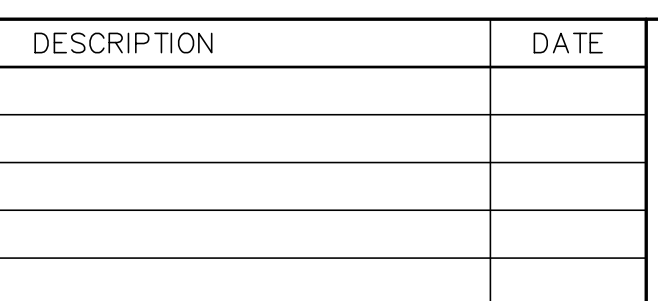
IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK DESIGN DETAIL FOR JOINTING

- SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
- STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERIODS AREA INSTALL PER SEDIMENT CONTROL LOG DETAIL.

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
August 2013

SC-6 Inlet Protection (IP)



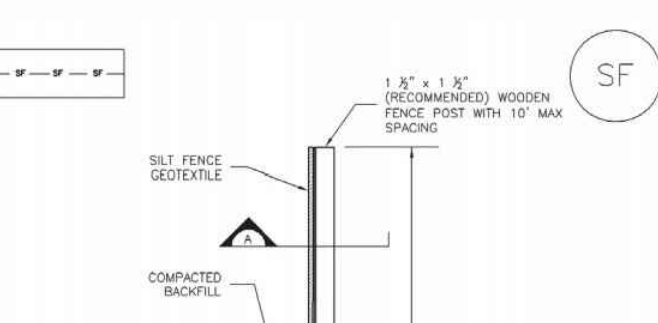
IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE DESIGN DETAIL

- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SILT FENCE.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SILT FENCE.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SILT FENCE.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SILT FENCE.

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
August 2013

SC-1 Silt Fence (SF)



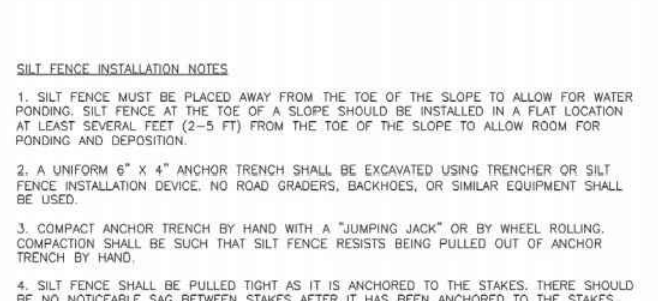
SILT FENCE

SILT FENCE INSTALLATION NOTES

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER RUNOFF. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST 10 FEET FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER RUNOFF.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
November 2010
SF3

SC-1 Silt Fence (SF)



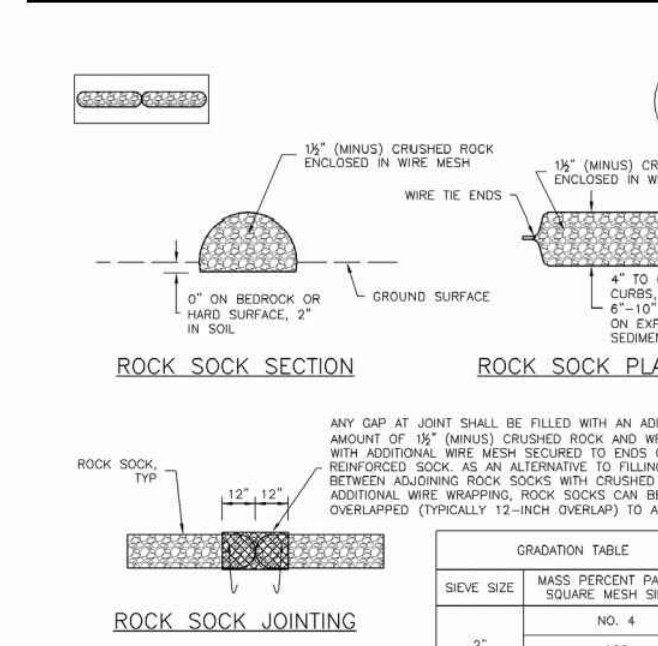
SILT FENCE

SILT FENCE INSTALLATION NOTES

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER RUNOFF. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST 10 FEET FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER RUNOFF.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.
- CONSTRUCTION MAT OR STRIP MATERIAL/ADHESIVE CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE.

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

SC-5 Rock Sock (RS)



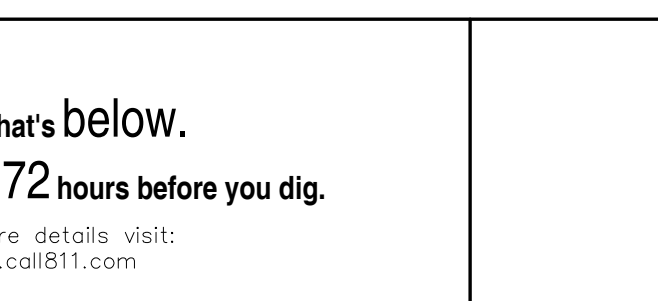
ROCK SOCK PERIMETER CONTROL

ROCK SOCK INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.

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

SC-5 Rock Sock (RS)



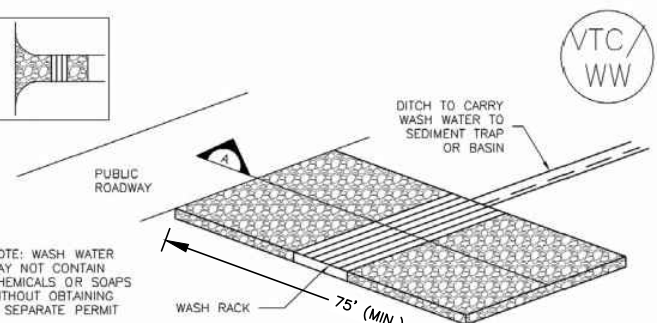
ROCK SOCK PERIMETER CONTROL

ROCK SOCK INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.
- SEE PLAN VIEW FOR LOCATION OF ROCK SOCKS.

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

SM-4 Vehicle Tracking Control (VTC)



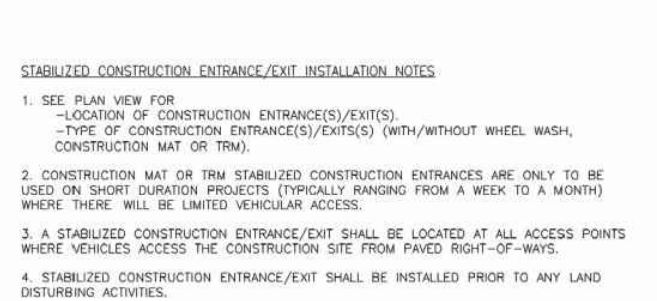
VTC-2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK

VEHICLE TRACKING CONTROL (VTC) INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.

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

SM-4 Vehicle Tracking Control (VTC)

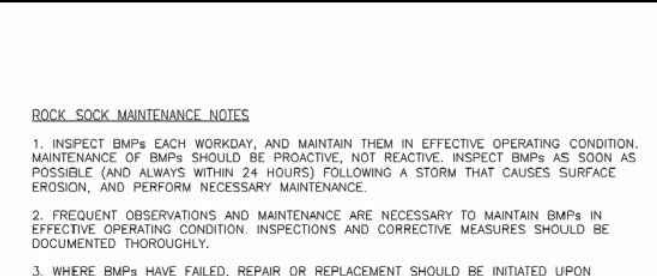


VEHICLE TRACKING CONTROL (VTC) INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.

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

SM-4 Vehicle Tracking Control (VTC)



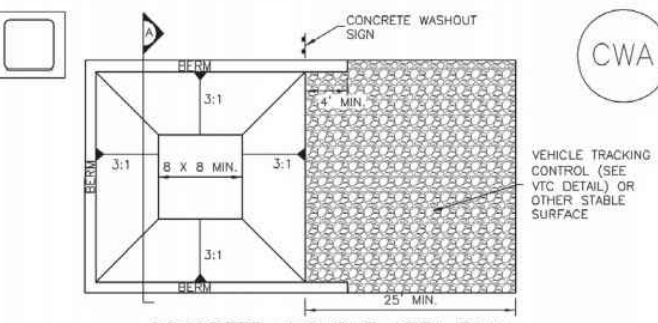
VEHICLE TRACKING CONTROL (VTC) INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.
- SEE PLAN VIEW FOR LOCATION OF VTC.

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

SM-4 Vehicle Tracking Control (VTC)

MM-1 Concrete Washout Area (CWA)



CWA-1. CONCRETE WASHOUT AREA

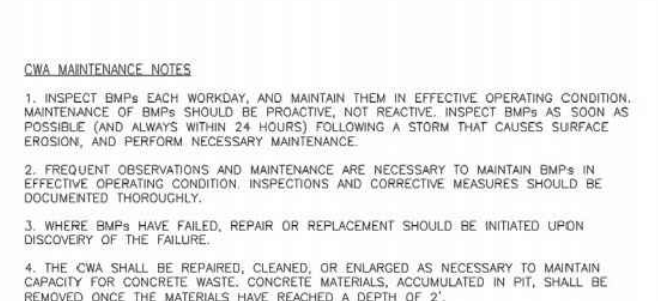
CONCRETE WASHOUT AREA PLAN

CONCRETE WASHOUT AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.

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

MM-1 Concrete Washout Area (CWA)



CWA-1. CONCRETE WASHOUT AREA

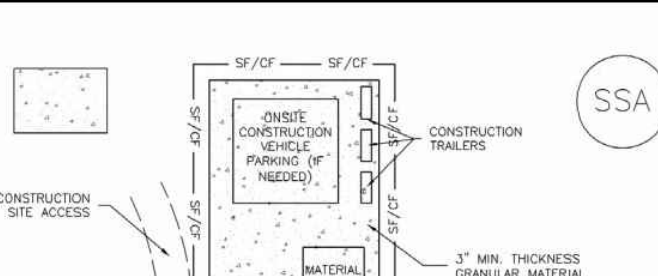
CONCRETE WASHOUT AREA PLAN

CONCRETE WASHOUT AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.
- SEE PLAN VIEW FOR LOCATION OF CWA.

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

MM-1 Concrete Washout Area (CWA)

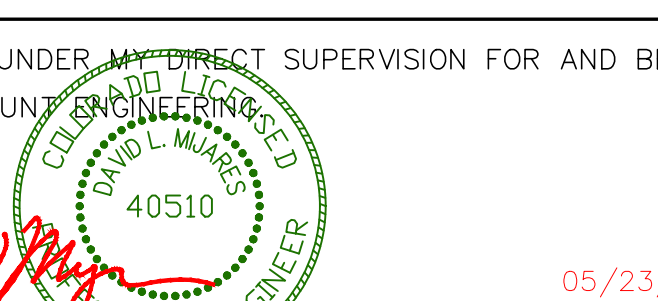


STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.

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

SM-6 Stabilized Staging Area (SSA)

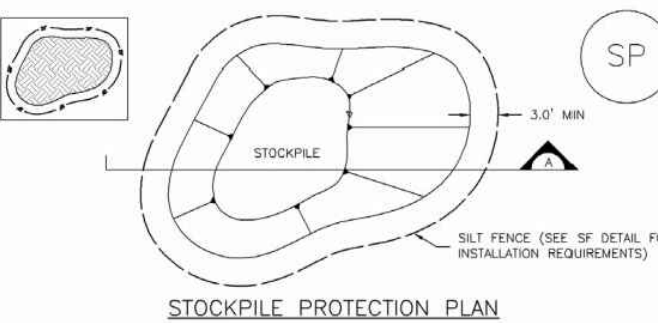


STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.
- SEE PLAN VIEW FOR LOCATION OF SSA.

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

MM-2 Stockpile Management (SM)



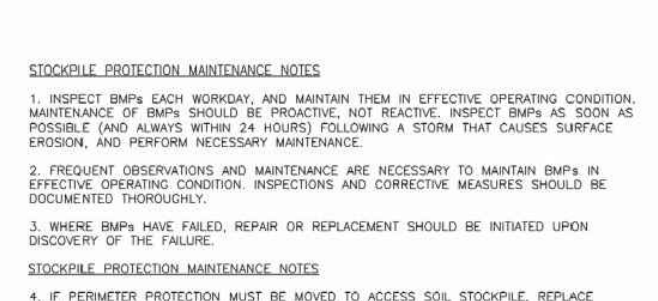
SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.

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

MM-2 Stockpile Management (SM)



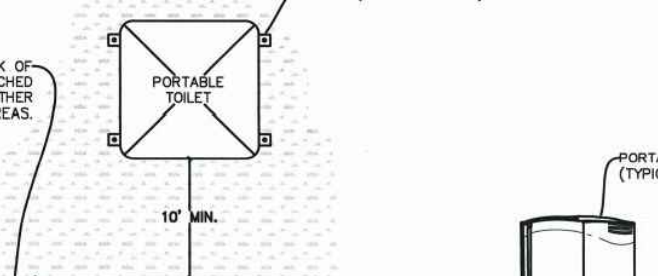
SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.
- SEE PLAN VIEW FOR LOCATION OF STOCKPILE.

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

MM-2 Stockpile Management (SM)



PORTABLE TOILET INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF PTO.
- SEE PLAN VIEW FOR LOCATION OF PTO.
- SEE PLAN VIEW FOR LOCATION OF PTO.
- SEE PLAN VIEW FOR LOCATION OF PTO.

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

SC-2 Sediment Control Log (SCL)



SEDIMENT CONTROL LOG INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOG.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOG.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOG.
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOG.

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

ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE



Know what's below.
Call 72 hours before you dig.
For more details visit:
www.call811.com

PREPARED UNDER THE DIRECT SUPERVISION FOR AND BEHALF OF
PHI REAL ESTATE SERVICES, LLC
200 W. QTY CENTER DR. STE 200
PUEBLO, CO 81003

PREPARED UNDER THE DIRECT SUPERVISION FOR AND BEHALF OF CATAMOUNT ENGINEERING

DAVID L. MUARES
40510
05/23/24
DATE

CATAMOUNT ENGINEERING
PO BOX 692 DWVDC, CO 80014 (719) 425-2124

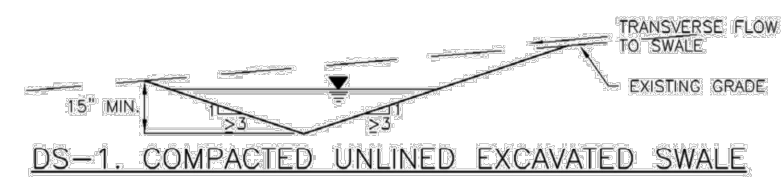
THE VILLAS AT CLAREMONT RANCH
GRADING & EROSION CONTROL PLAN
INITIAL, INTERIM AND VERTICAL PHASES

SCALE: N/A	DATE: 07/15/22	DRAWN BY: MGP
JOB NUMBER: 16-102	SHEET: 4 OF 5	

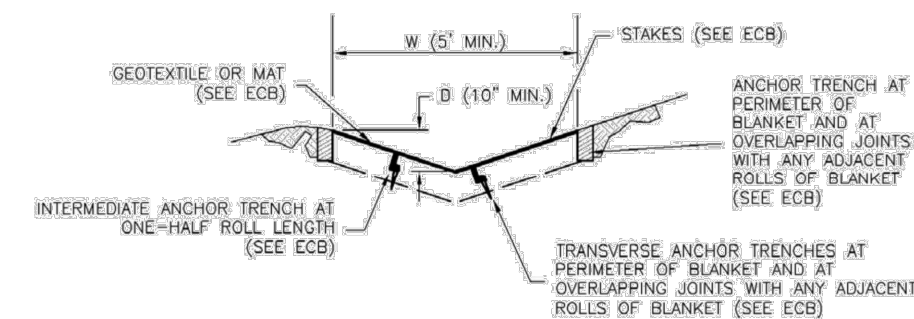
Earth Dikes and Drainage Swales (ED/DS) EC-10



ED-1. COMPACTED UNLINED EARTH DIKE FORMED BY BERM



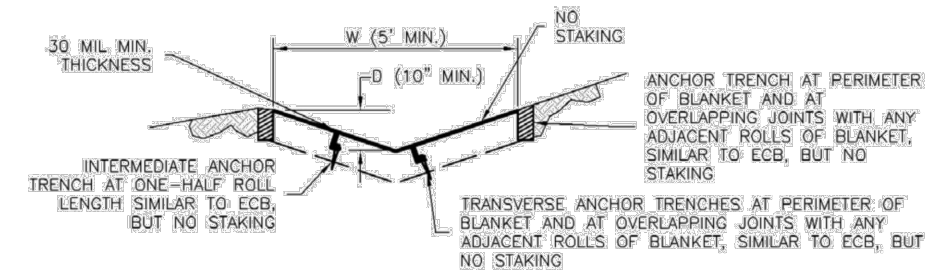
DS-2. COMPACTED UNLINED SWALE FORMED BY CUT AND FILL



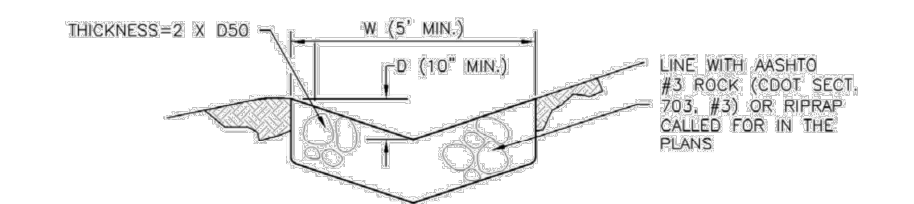
DS-3. ECB LINED SWALE (CUT AND FILL OR BERM)

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

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, S, AND WIDTH, W DIMENSIONS
 - FOR ECB/TRM LINED DITCH, SEE ECB DETAIL
 - FOR RIPRAP LINED DITCH, SEE D50 DETAIL
- 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 95% 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 Urban Storm Drainage Criteria Manual Volume 3 November 2010

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, SEEDS 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 ANOTHER FORM)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USDC 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 ED/DS-5

SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

- IN AREAS TO BE SEEDDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
- AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
- THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
- TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

- ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
- SEED SHOULD BE DRILL-SEEDED WHENEVER POSSIBLE.
- SEED DEPTH MUST BE 3/8 TO 1/2 INCHES WHEN DRILL-SEEDED IS USED.
- BROADCAST SEEDING OR HYDRO-SEEDED WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR IN OTHER AREAS NOT PRACTICAL TO DRILL SEED.
- SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLIANT DRILL OR HYDRO-SEEDED.
- BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL.

MULCHING

- MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
- MULCHING REQUIREMENTS INCLUDE:
 - HAY OR STRAW MULCH
 - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
 - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
 - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
 - HYDRAULIC MULCHING
 - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
 - IF HYDRO-SEEDED IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
 - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
 - EROSION CONTROL BLANKET
 - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.

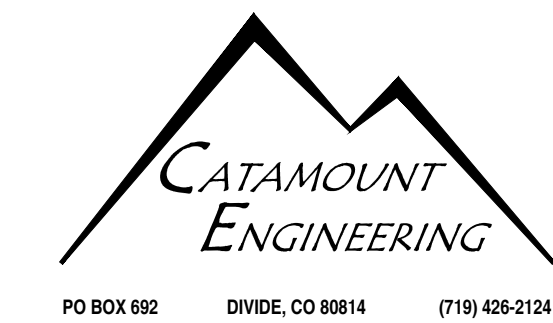
SEEDING & MULCHING

APPROVED: [Signature]

DATE: 10/7/19 REVISION: 6/19/2020 DRAWING NO: 900-34



PREPARED FOR:
PHI REAL ESTATE SERVICES, LLC
 200 W. QTY CENTER DR. STE 200
 PUEBLO, CO 81003



THE VILLAS AT CLAREMONT RANCH

GRADING & EROSION CONTROL PLAN
 INITIAL, INTERIM AND VERTICAL PHASES

SCALE: N/A DATE: 07/15/22
 JOB NUMBER: 16-102 SHEET: 5 OF 5

DRAWN BY: MGP

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				• Irrigated broadcast hydroseeded	• Non-irrigated broadcast hydroseeded	• Non-irrigated drilled
Bluestem, big	<i>Andropogon gerardii</i>	Warm, cool	.20	4.4	2.2	1.1
Grama, blue	<i>Bouteloua gracilis</i>	Warm, bank	10	0.5	0.25	0.13
Green needlegrass	<i>Nassella viridula</i>	Cool, bank	10	.2	.1	0.5
Wheatgrass, western	<i>Panicum smithii</i>	Cool, cool	.20	6.4	3.2	1.6
Grama, sideoats	<i>Bouteloua curtipendula</i>	Warm, bank	10	.2	.1	0.5
Switchgrass	<i>Panicum virgatum</i>	Warm, bank/cool	10	0.8	0.4	0.2
Prairie sandreed	<i>Calamagrostis canadensis</i>	Warm, cool	10	1.2	0.6	0.3
Yellow meadowgrass	<i>Sorghastrum nutans</i>	Warm, cool	10	.2	.1	0.5
Seed rate (lbs PLS/acre)				19.3	9.7	4.8

For purposes of this table located near, over, the bottom or where wet soil conditions occur. Planting of prairie meadow grasses and sedges in a 2:1 slope or steeper is recommended for areas with wetland hydrology.

Species that will do well in the bottom of pond areas.

Table 5-2. El Paso County All-Purpose Low Grow Mix for Upland and Transition Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				• Irrigated broadcast hydroseeded	• Non-irrigated broadcast hydroseeded	• Non-irrigated drilled
Buffalograss	<i>Bouteloua curtipendula</i>	Warm, cool	.25	9.6	4.8	2.4
Grama, blue	<i>Bouteloua gracilis</i>	Warm, bank	.20	10.8	5.4	2.7
Grama, sideoats	<i>Bouteloua curtipendula</i>	Warm, bank	.29	5.6	2.8	1.4
Green needlegrass	<i>Nassella viridula</i>	Cool, bank	.5	3.2	1.6	0.8
Wheatgrass, western	<i>Panicum smithii</i>	Cool, cool	.20	12	6	3
Droopseed, sand	<i>Sporobolus cryptandrus</i>	Warm, bank	.1	0.8	0.4	0.2
Seed rate (lbs PLS/acre)				42	21	10.3

THE VILLAS AT CLAREMONT RANCH

AS-BUILT DRAWINGS

STREET IMPROVEMENTS PLANS

EL PASO COUNTY, COLORADO

STANDARD CONSTRUCTION NOTES:

- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- 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, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- 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. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY DEVELOPMENT SERVICES DEPARTMENT (DSD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOORPLAN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GRADING NOTES:

- CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM DEVELOPMENT SERVICES AND A PRECONSTRUCTION CONFERENCE IS HELD WITH DEVELOPMENT SERVICES INSPECTIONS.
- 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.
- 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.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MUST INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE 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 DSD INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE 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.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- 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.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 6, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.), IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 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
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



BASIS OF BEARINGS

THE WESTERN BOUNDARY OF VILLAS AT CLAREMONT.
HAVING AN ASSUMED BEARING OF: N 00°07'45" E

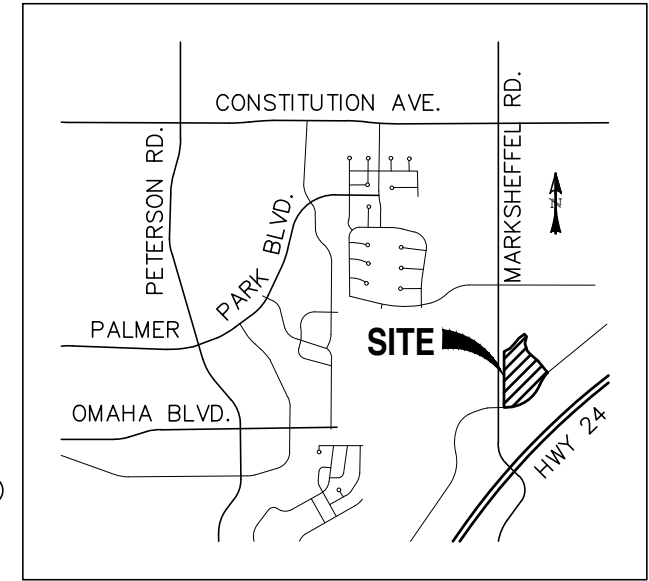
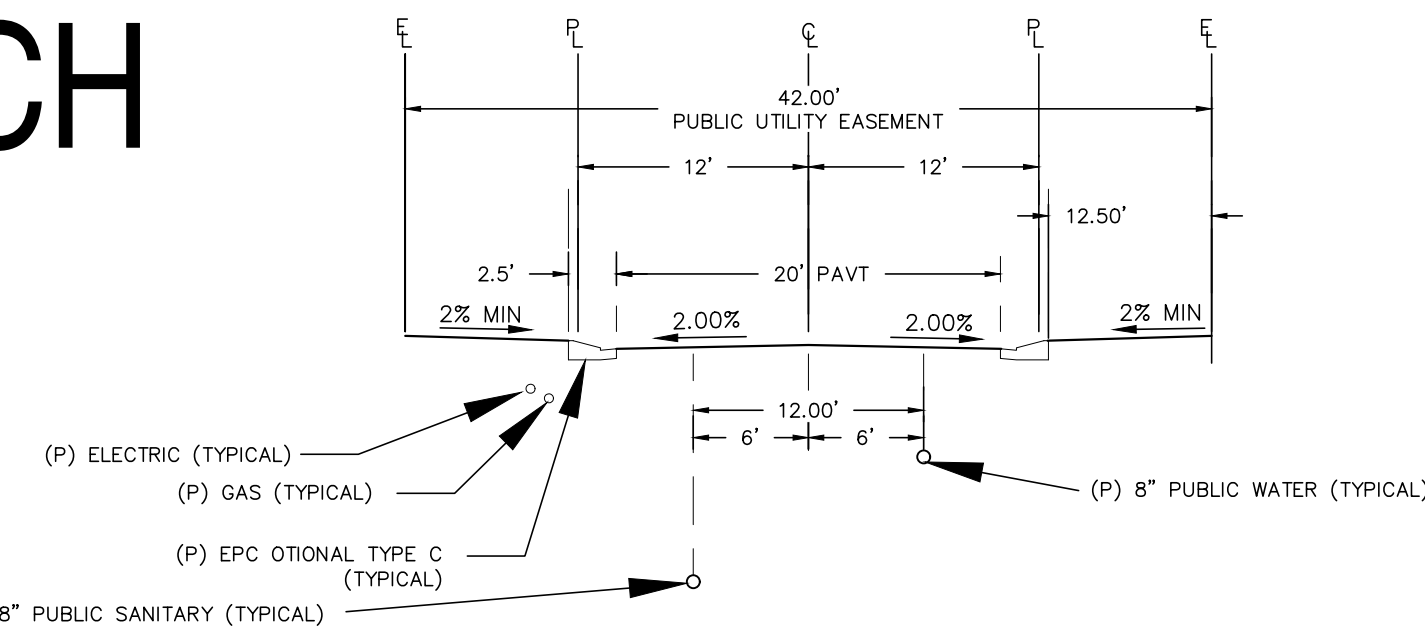
PREPARED FOR:

PREMIERE HOMES

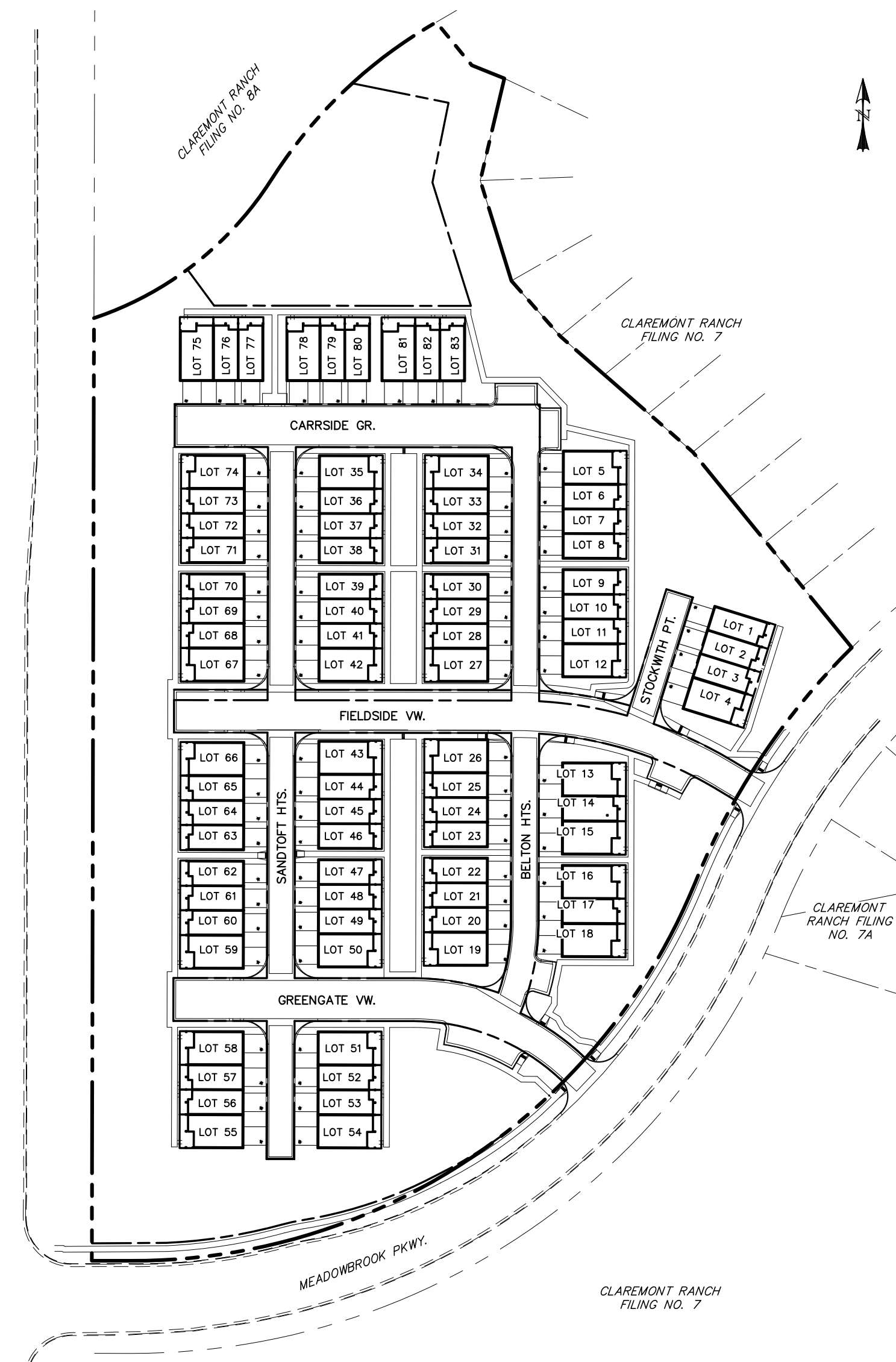
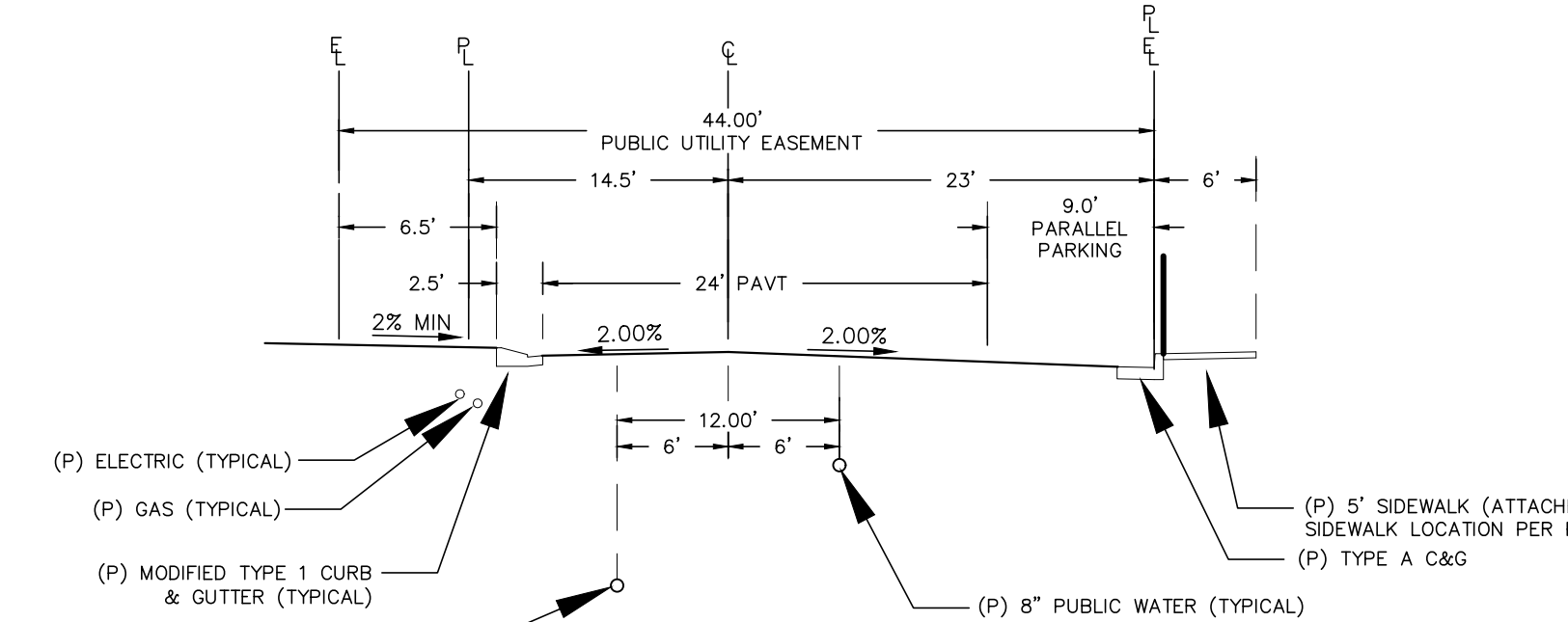
200 W CITY CENTER DR #200
PUEBLO CO 81003

BENCHMARK

FIMS MONUMENT SR08; A 2 INCH DIA. ALUM. FIMS CAP STAMPED "CSU FIMS CONTROL SR08" ON THE NORTHEAST CORNER OF THE CONCRETE BASE OF THE ELECTRIC VAULT NUMBER 004810 ON THE WEST SIDE OF PETERSON ROAD, ABOUT 110 FEET NORTH OF THE NORTH CURB OF CONSTITUTION AVENUE.
ELEVATION: 6522.67

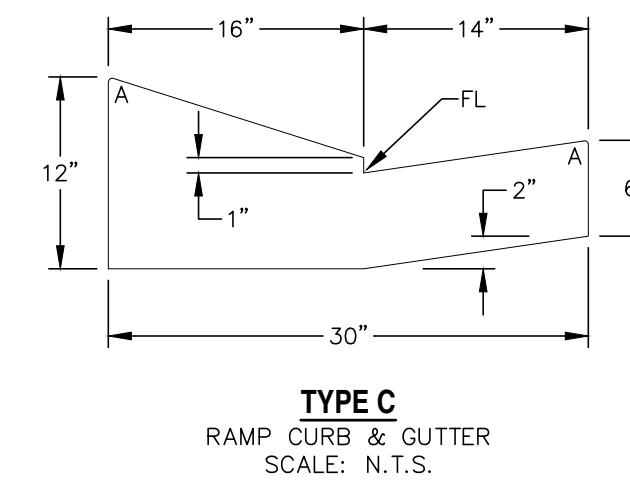
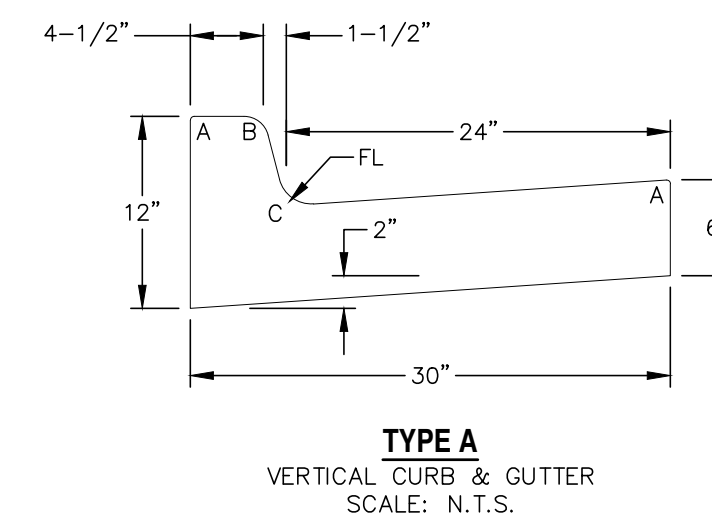


TYPICAL DRIVE AISLE/PARKINGSECTION
N.T.S.



LEGEND

(E)	BOUNDARY	---
(P)	RIGHT-OF-WAY	---
(F)	LOT LINE	---
BT	EASEMENT	---
ET	(E) CONTOUR, INDEX	---
CR	(E) CONTOUR	---
PC	(E) STORM SEWER	---
PT	(P) CONTOUR, INDEX	---
POC	(P) CONTOUR	---
CL	POINT NUMBER	---
△	(P) STORM SEWER, INLET, MH	---
TYPE 'A' CURB AND GUTTER		---

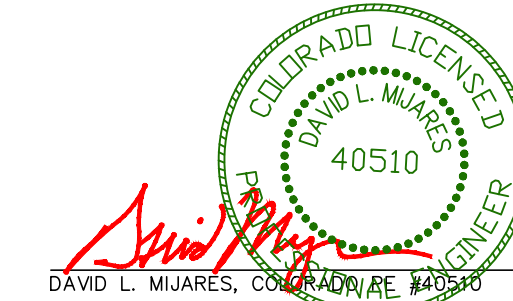


RADI LEGEND:

- A = 1/8" TO 1/4"
- B = 1-1/2"
- C = 1-1/2" TO 2"

ENGINEER'S STATEMENT:

THE ONSITE STREET IMPROVEMENTS IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED STREET IMPROVEMENT PLANS BASED ON VISUAL OBSERVATION OF FIELD CONDITIONS.



DAVID L. MJARES, ENGINEER
05/23/24
DATE

SHEET INDEX:

TITLE SHEET	1	OF 6
STREET PLAN & PROFILE - GREENGATE NEW, FIELDSIDE VIEW	2	OF 6
STREET PLAN & PROFILE - BELTON HEIGHTS, CARRSIDE GROVE	3	OF 6
STREET PLAN & PROFILE - SANDTOTT HEIGHTS, STOCKWITH POINT	4	OF 6
STANDARD DETAILS	5	OF 6
SIGNAGE & STRIPING PLAN	6	OF 6

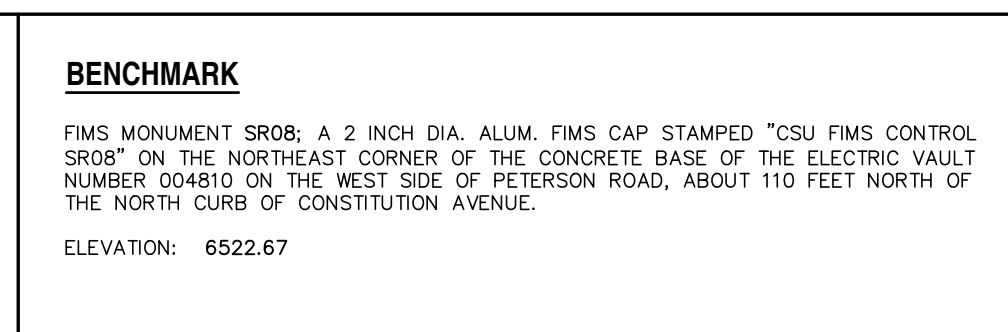
ENGINEERING RECORD DRAWINGS

SF-22-028

REV.	DESCRIPTION	DATE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 1 OF 6

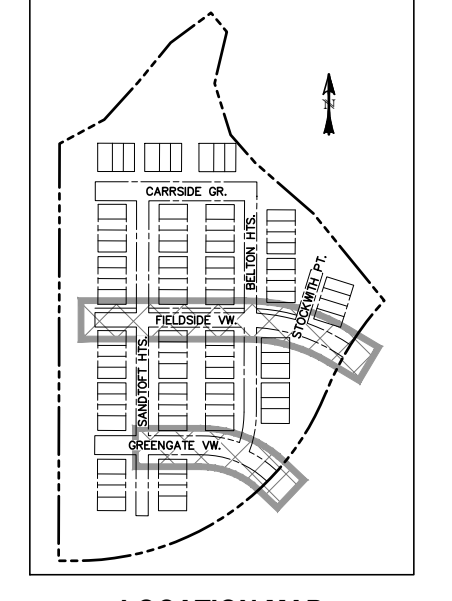
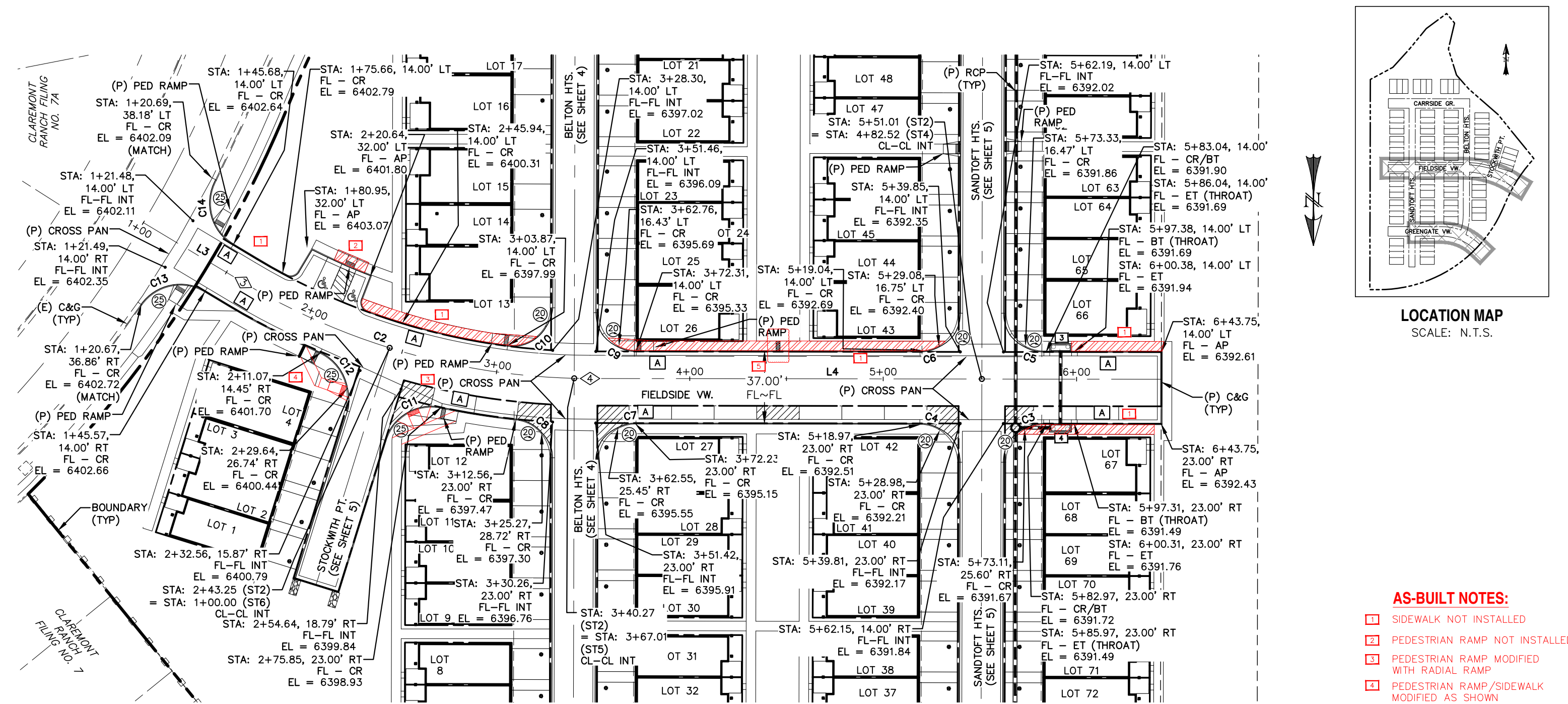
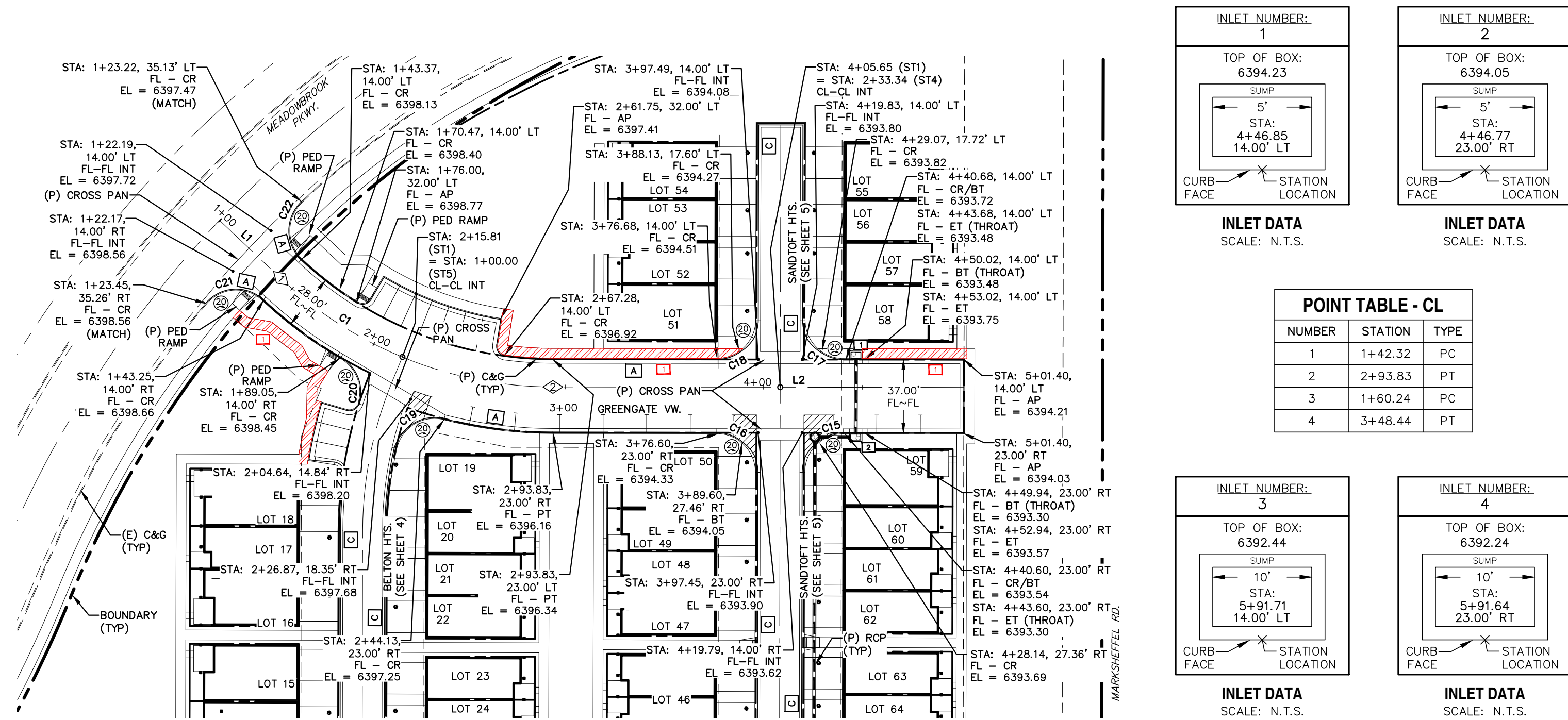
THE VILLAS AT CLAREMONT RANCH	
CONSTRUCTION DRAWINGS STREET IMPROVEMENT PLANS	



DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 1 OF 6

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 1 OF 6

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 1 OF 6



LOCATION MAP
SCALE: N.T.S.

POINT TABLE - CL

NUMBER	STATION	TYPE
1	1+42.32	PC
2	2+93.83	PT
3	1+60.24	PC
4	3+48.44	PT

INLET DATA
SCALE: N.T.S.

INLET NUMBER	TOP OF BOX
1	6394.23
2	6394.05
3	6392.44
4	6392.24

LINE TABLE

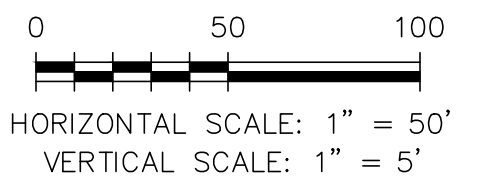
LINE	BEARING	DISTANCE
L1	N46° 31' 48.42"W	42.32
L2	N89° 55' 04.99"W	207.57

LINE TABLE

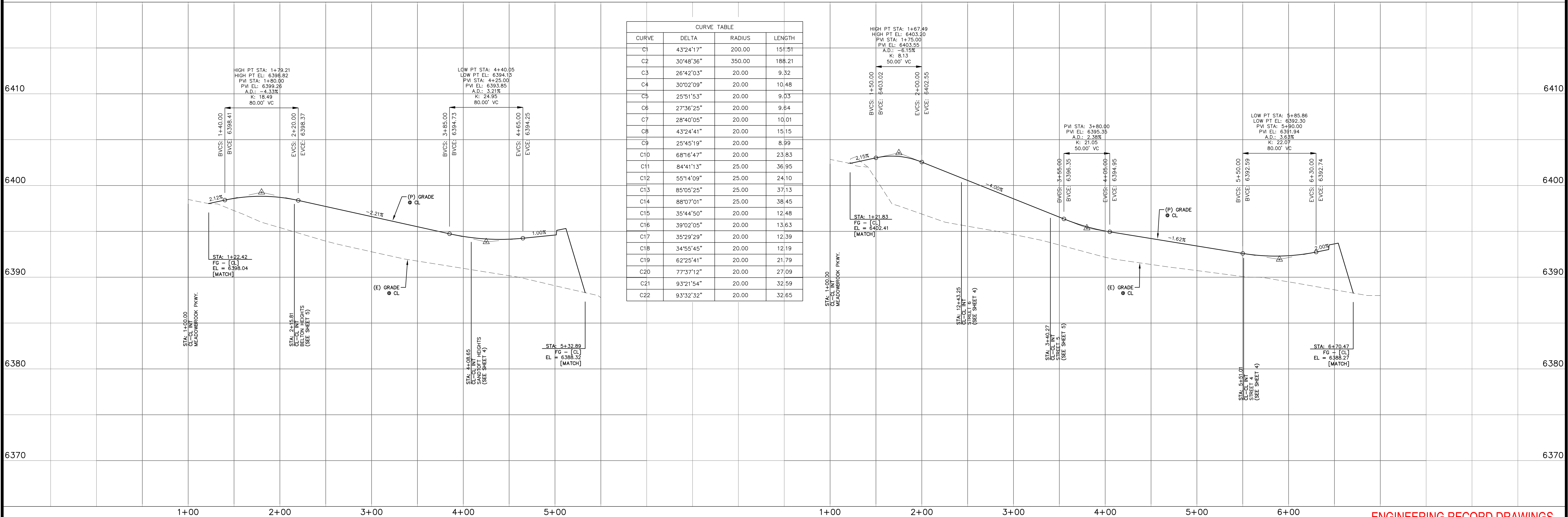
LINE	BEARING	DISTANCE
L3	N59° 07' 05.87"W	60.24
L4	N89° 55' 41.63"W	295.30

GREENGATE VIEW
STA: 1+00 ~ 4+25

FIELDSIDE VIEW
STA: 1+00 ~ 6+60



- AS-BUILT NOTES:**
- SIDEWALK NOT INSTALLED
 - PEDESTRIAN RAMP NOT INSTALLED
 - PEDESTRIAN RAMP MODIFIED WITH RADIAL RAMP
 - PEDESTRIAN RAMP/SIDEWALK MODIFIED AS SHOWN
 - CURB CHASE NOT INSTALLED

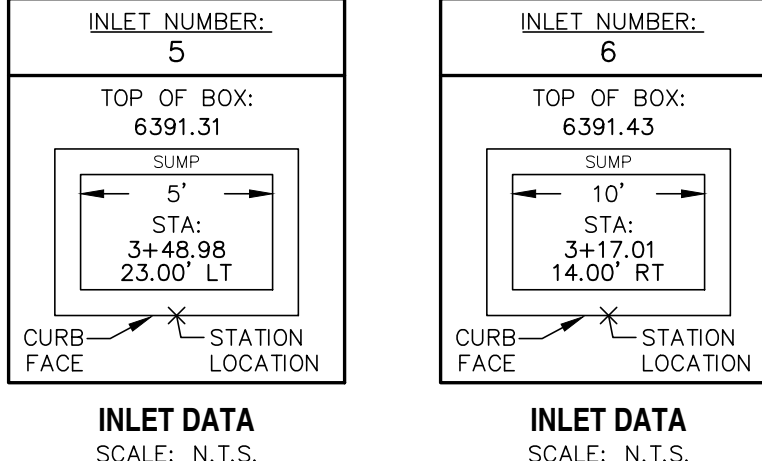
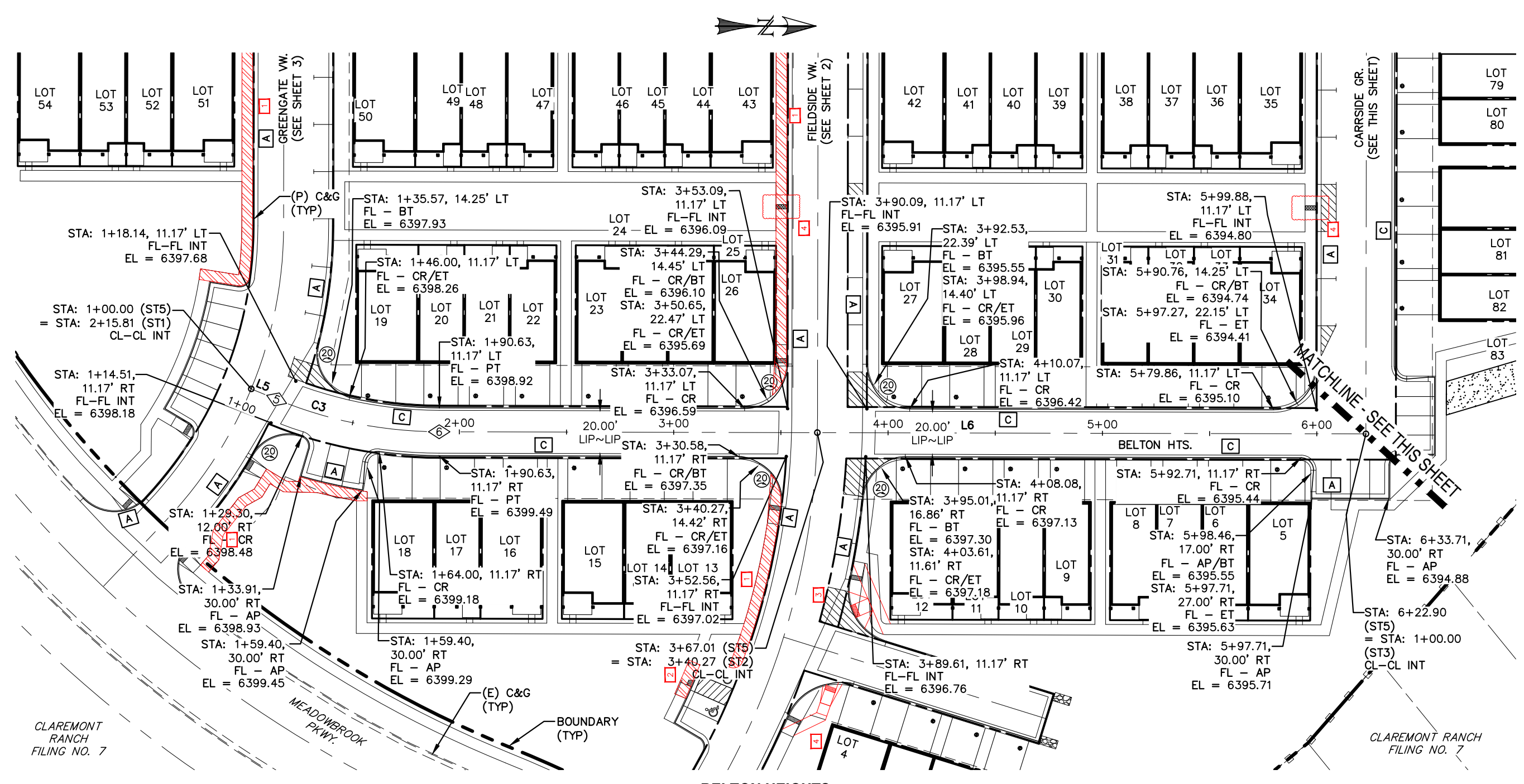


CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	43°24'17"	200.00	151.51
C2	30°48'36"	350.00	188.21
C3	26°42'03"	20.00	9.32
C4	30°02'09"	20.00	10.48
C5	25°51'53"	20.00	9.03
C6	27°36'25"	20.00	9.64
C7	28°40'05"	20.00	10.01
C8	43°24'41"	20.00	15.15
C9	25°45'19"	20.00	8.99
C10	68°16'47"	20.00	23.83
C11	84°41'13"	25.00	36.95
C12	55°14'09"	25.00	24.10
C13	85°05'25"	25.00	37.13
C14	88°07'01"	25.00	38.45
C15	35°44'50"	20.00	12.48
C16	39°02'05"	20.00	13.63
C17	35°29'29"	20.00	12.39
C18	34°55'45"	20.00	12.19
C19	62°25'41"	20.00	21.79
C20	77°37'12"	20.00	27.09
C21	93°21'54"	20.00	32.59
C22	93°32'32"	20.00	32.65

REV.	DESCRIPTION	DATE	ALIGNMENT / STREET NAME ABBREVIATIONS: = ST1 = ST2 = ST3 = ST4 = ST5 = ST6	PREPARED FOR: PHI REAL ESTATE SERVICES 200 W CITY CENTER DR #200 PUEBLO CO 81003	<p>CATAMOUNT ENGINEERING 211 W. HENRIETTA AVE WOODLAND PARK, CO 80866 PO BOX 221 (719)425-2124</p>	<p>THE VILLAS AT CLAREMONT RANCH</p> <p>STREET IMPROVEMENT PLAN & PROFILE</p>	<p>SCALE: 1" = 50'</p> <p>JOB NUMBER: 16-102</p>	<p>DRAWN BY: MGP</p> <p>DATE: 01/17/20</p> <p>SHEET: 2 OF 6</p>
------	-------------	------	--	---	--	---	--	---





POINT TABLE - CL

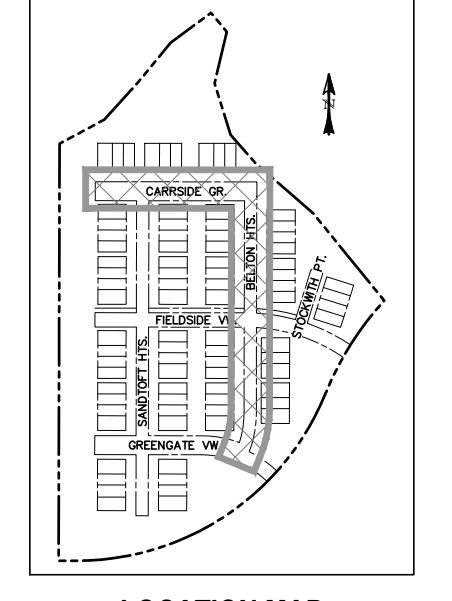
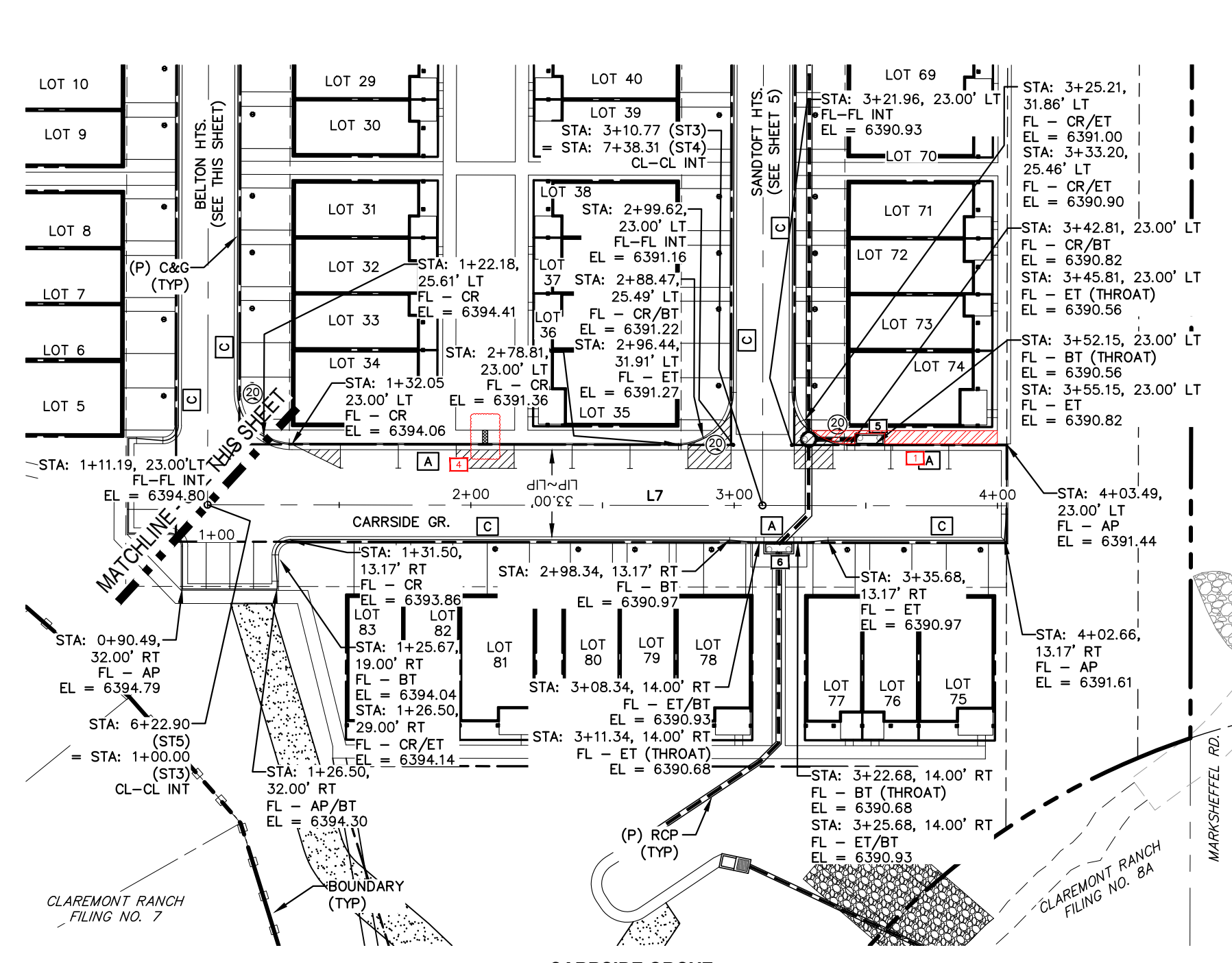
NUMBER	STATION	TYPE
5	1+12.84	PC
6	1+90.63	PT

LINE TABLE

LINE	BEARING	DISTANCE
L5	N22° 24' 59.72"E	12.84
L6	N0° 08' 00.65"E	432.27
L7	N89° 55' 41.63"W	303.49

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C3	22°16'59"	200.00	77.78



LOCATION MAP
SCALE: N.T.S.

- AS-BUILT NOTES:**
- SIDEWALK NOT INSTALLED
 - PEDESTRIAN RAMP NOT INSTALLED
 - PEDESTRIAN RAMP MODIFIED WITH RADIAL RAMP
 - PEDESTRIAN RAMP/SIDEWALK MODIFIED AS SHOWN
 - CURB CHASE NOT INSTALLED

0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE



ALIGNMENT / STREET NAME ABBREVIATIONS:

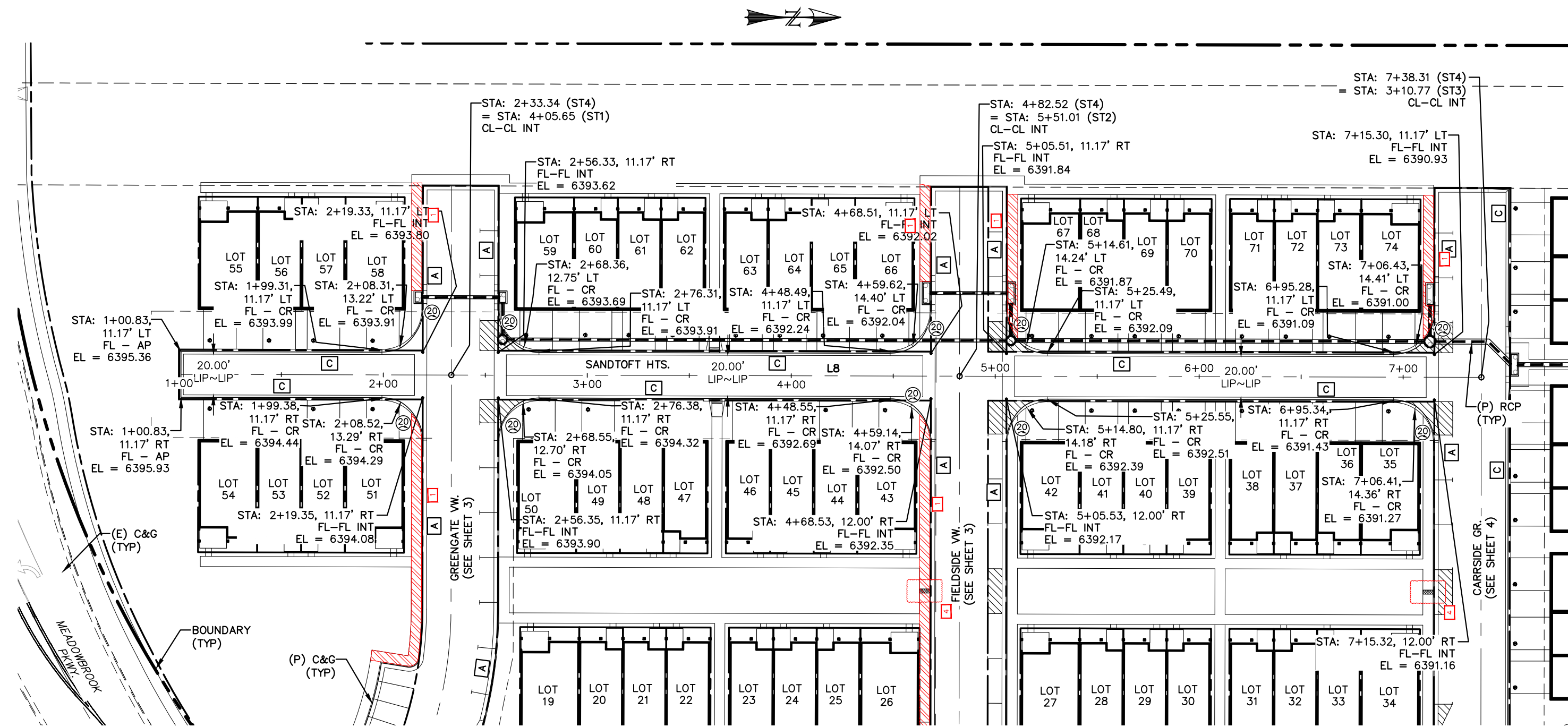
- GREENGATE VIEW = S11
- FIELDSTREET VIEW = S12
- CARRSIDE GROVE = S13
- SANDTOFT HEIGHTS = S14
- BELTON HEIGHTS = S15
- STOCKWITH POINT = S16

PREPARED FOR:
PHI REAL ESTATE SERVICES
200 W CITY CENTER DR #200
PUEBLO CO 81003



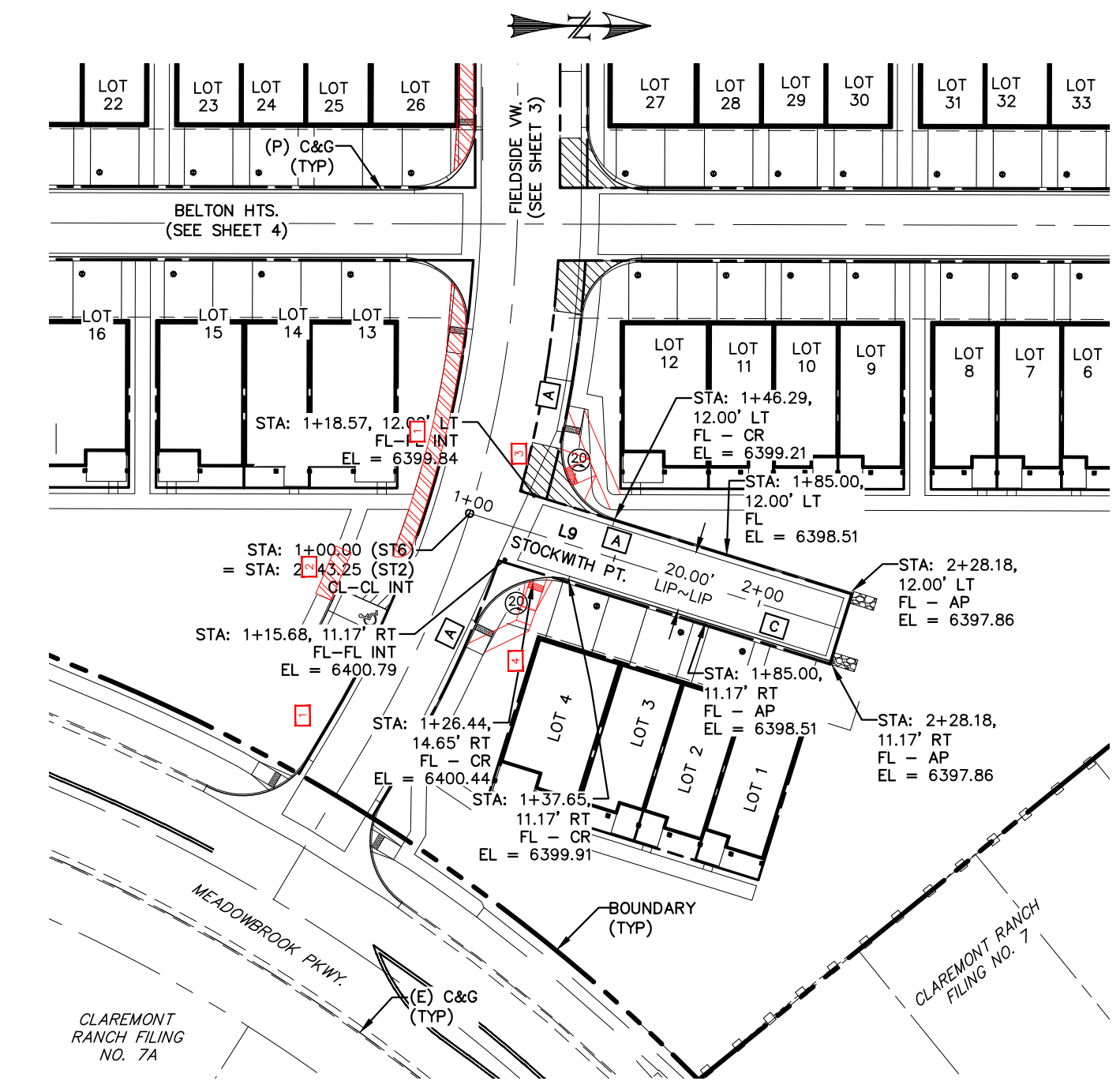
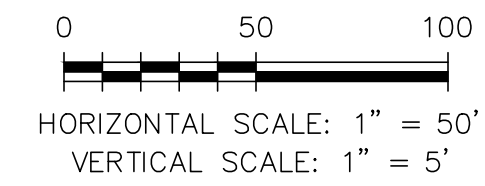
THE VILLAS AT CLAREMONT RANCH
STREET IMPROVEMENT PLAN & PROFILE

SCALE: 1" = 50'	DATE: 01/17/20	DRAWN BY: MGP
JOB NUMBER: 16-102	SHEET: 3 OF 6	

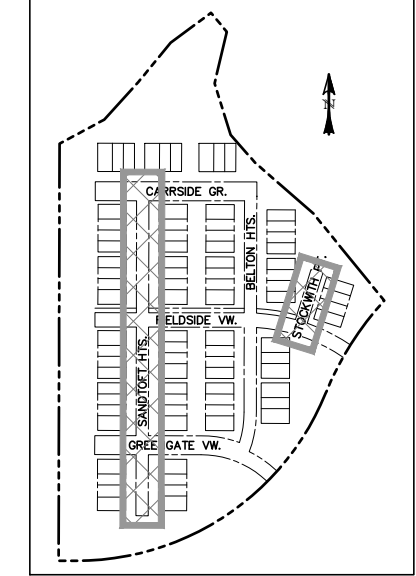


SANDTOFT HEIGHTS
STA: 1+00 ~ 7+50

LINE	BEARING	DISTANCE
L8	N0° 07' 32.17"E	637.48
L9	N17° 16' 08.06"E	128.18

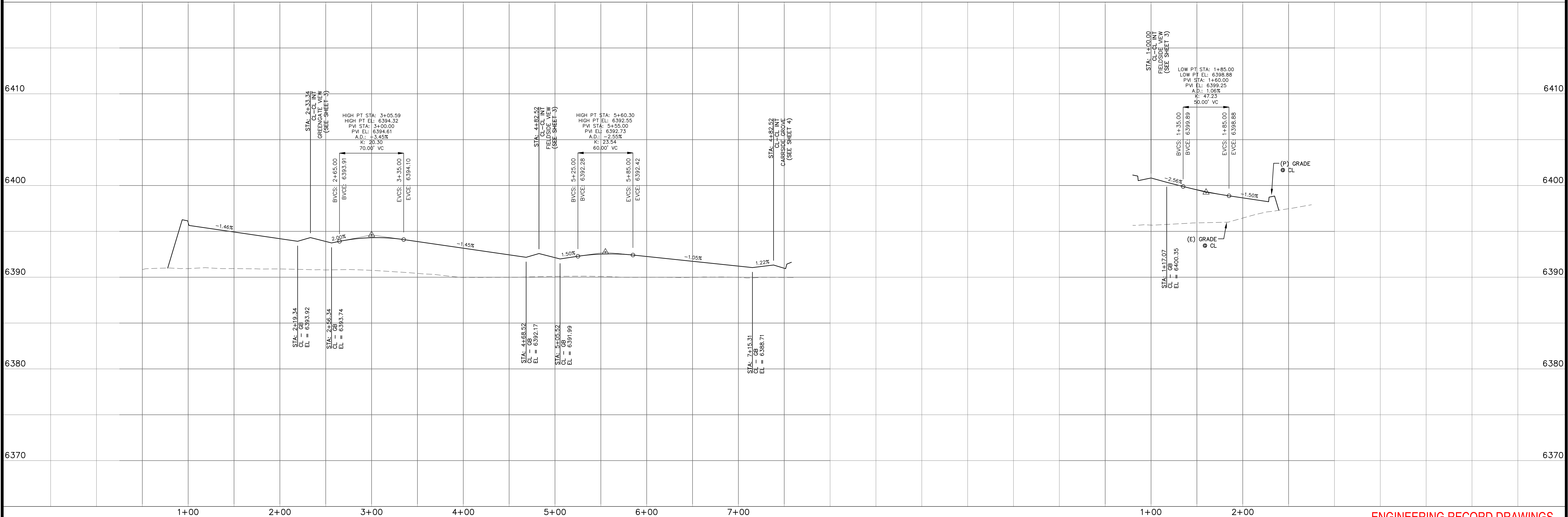


STOCKWITH POINT
STA: 1+00 ~ 2+30



LOCATION MAP
SCALE: N.T.S.

- AS-BUILT NOTES:**
- SIDEWALK NOT INSTALLED
 - PEDESTRIAN RAMP NOT INSTALLED
 - PEDESTRIAN RAMP MODIFIED WITH RADIAL RAMP
 - PEDESTRIAN RAMP/SIDEWALK MODIFIED AS SHOWN
 - CURB CHASE NOT INSTALLED



ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE



ALIGNMENT / STREET NAME ABBREVIATIONS:
 GREENGATE VIEW = ST1
 FIELDSIDE VIEW = ST2
 CARRISSE GROVE = ST3
 SANDTOFT HEIGHTS = ST4
 BELTON HEIGHTS = ST5
 STOCKWITH POINT = ST6

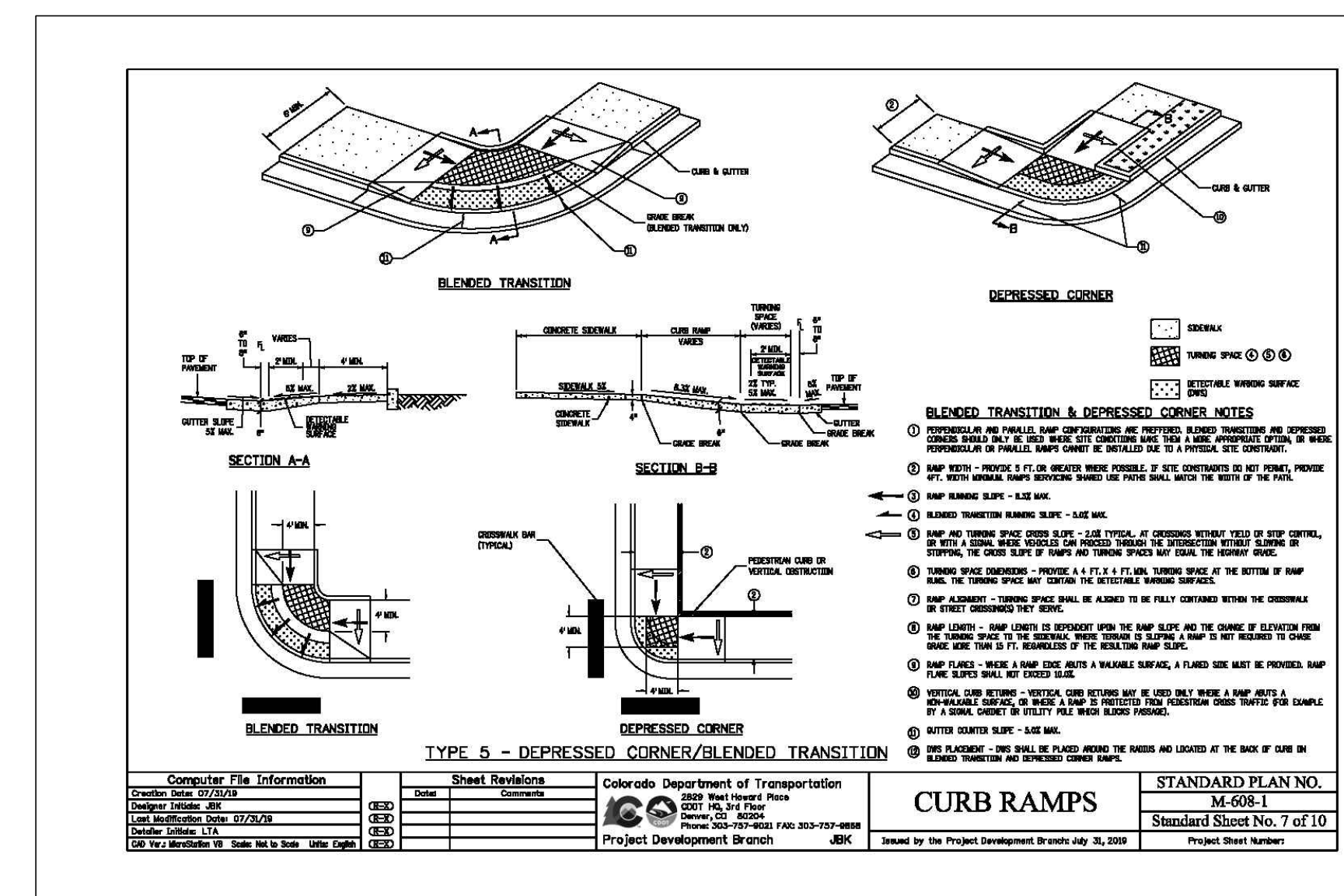
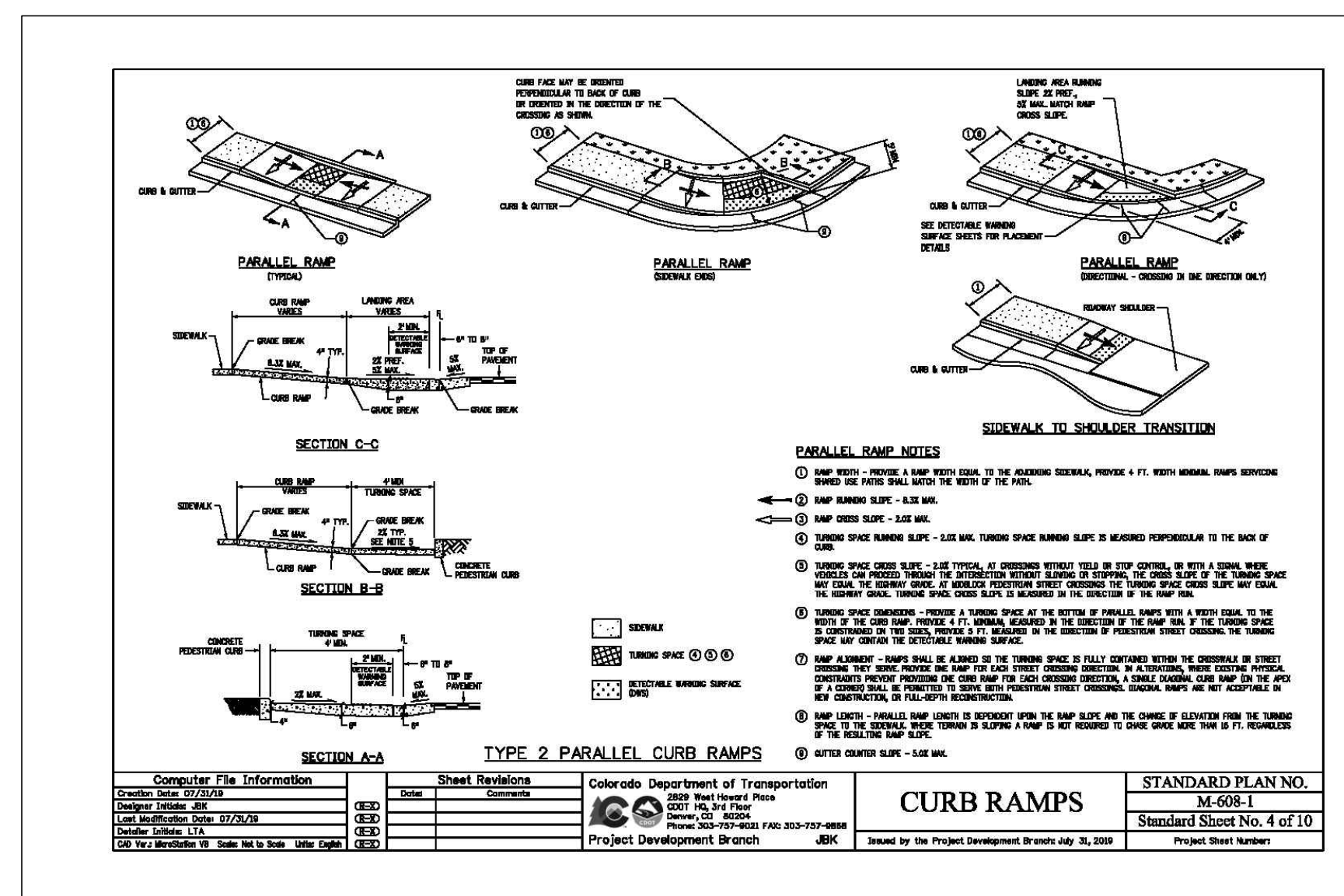
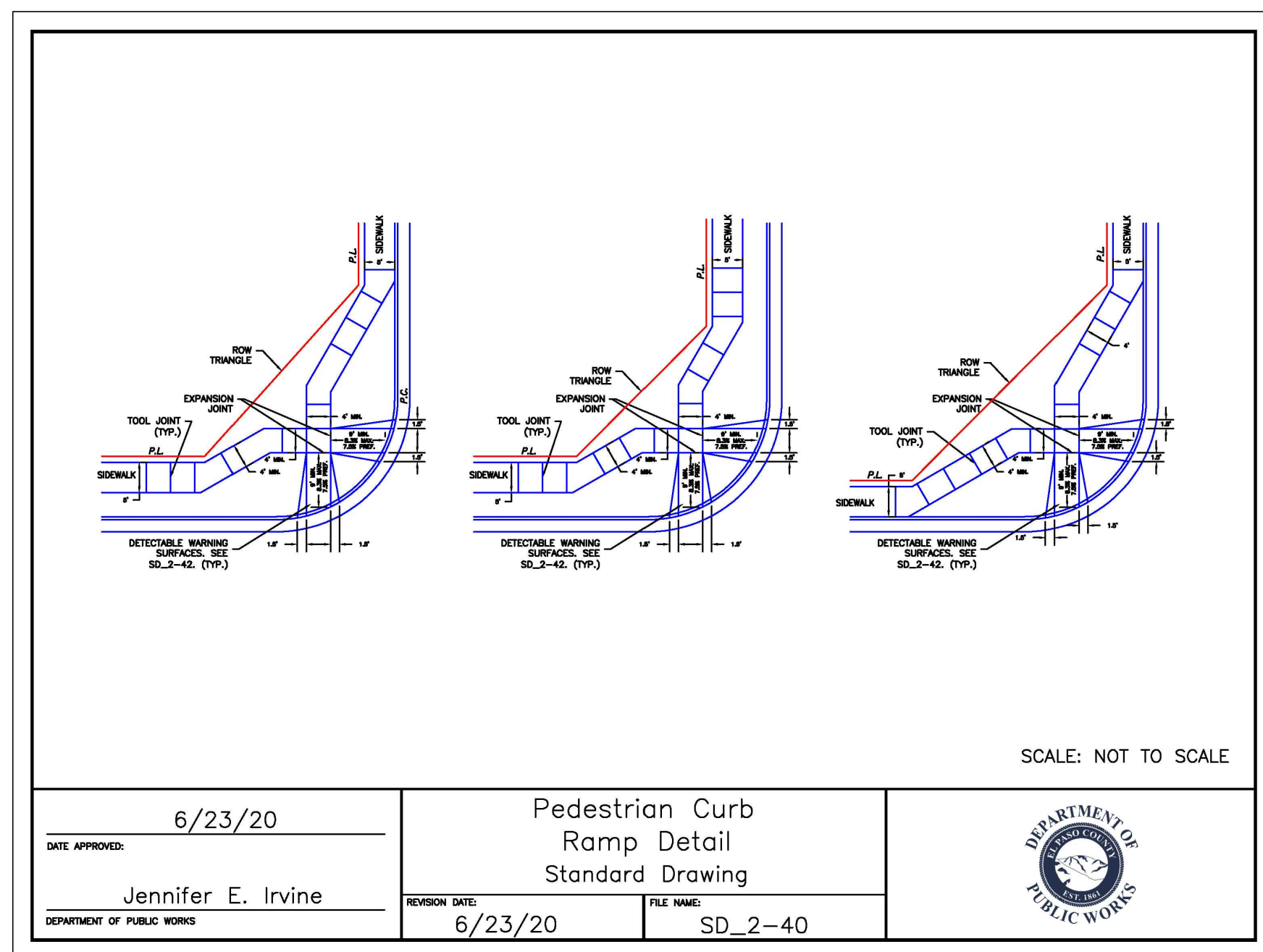
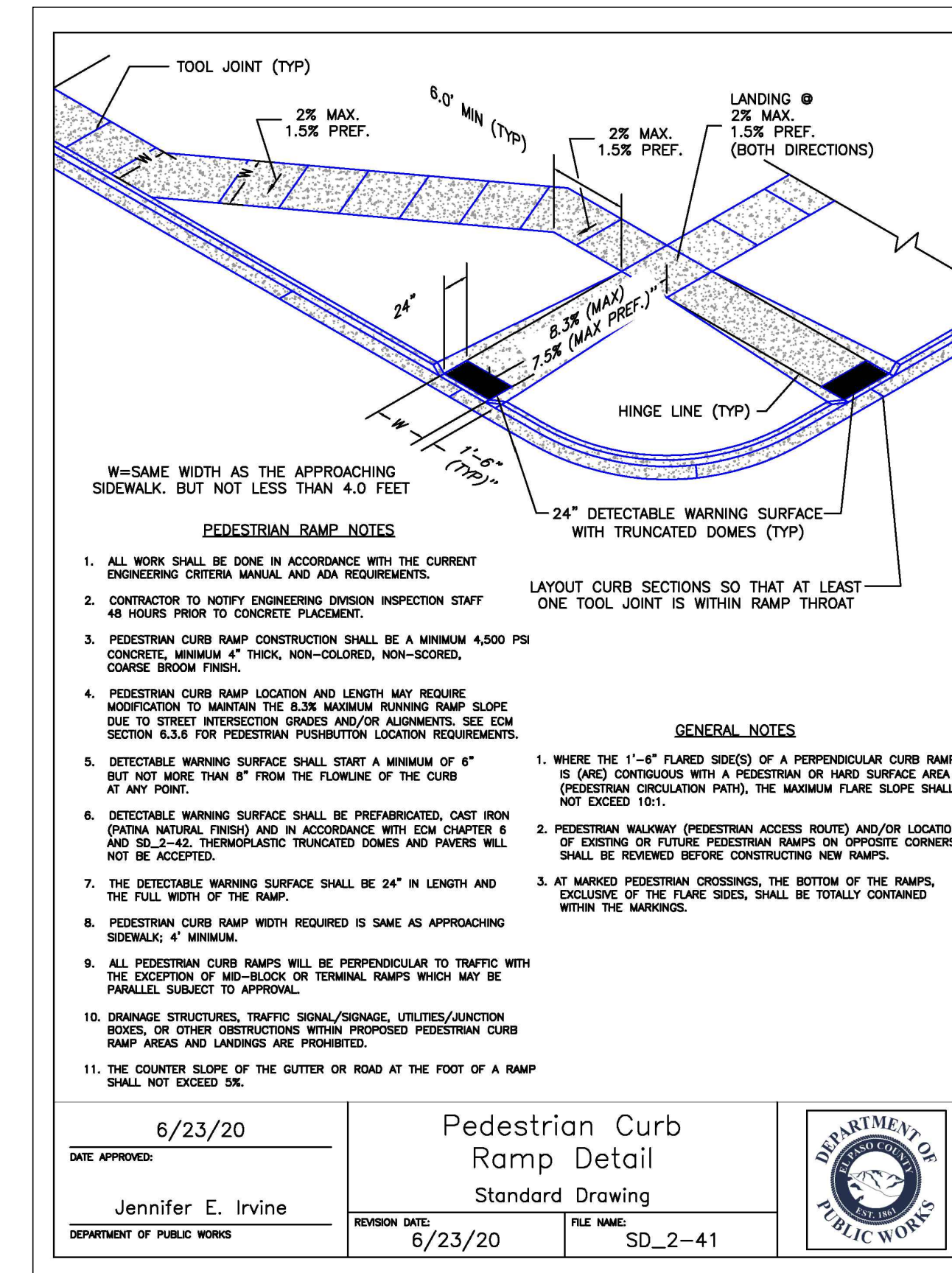
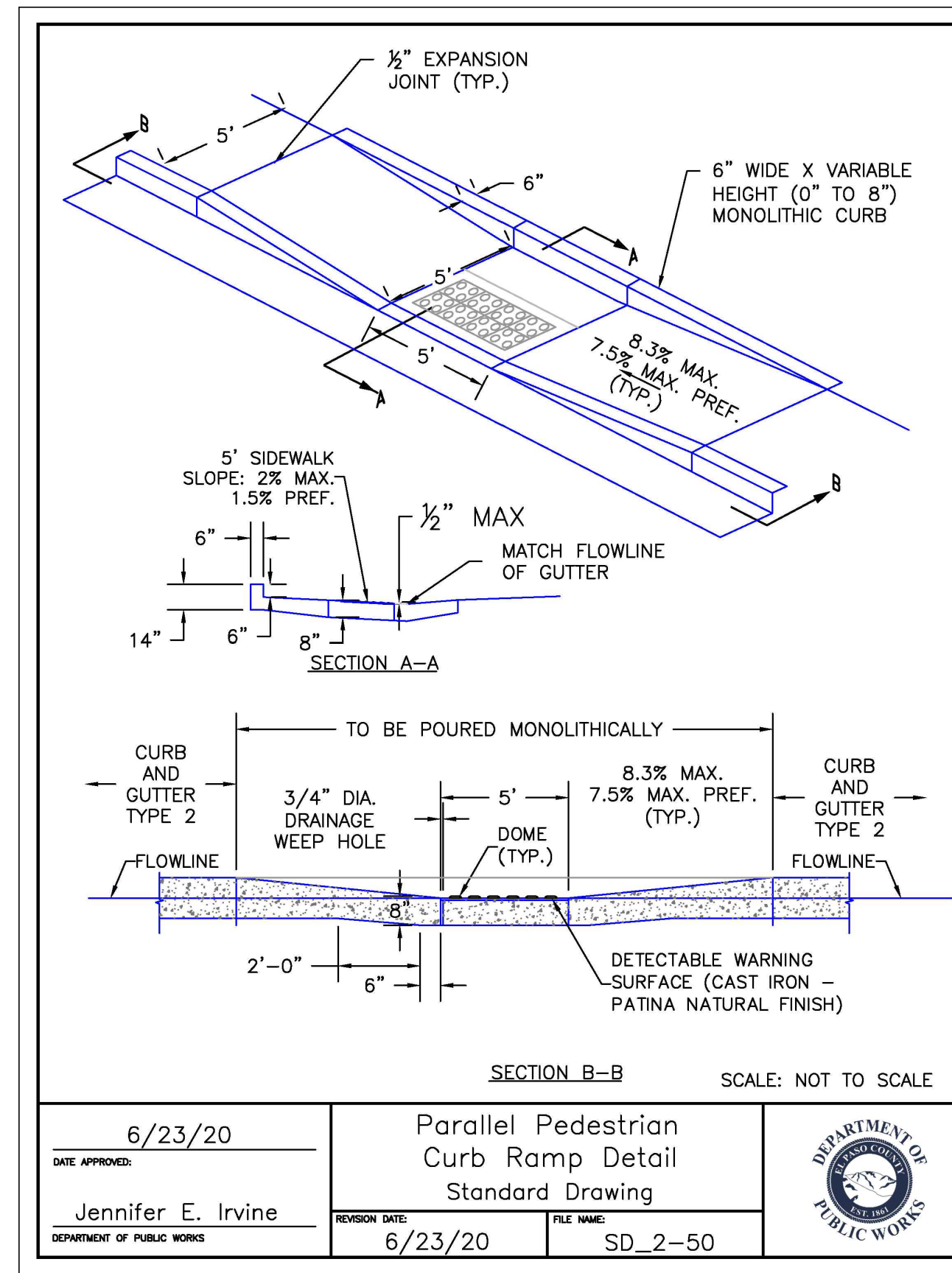
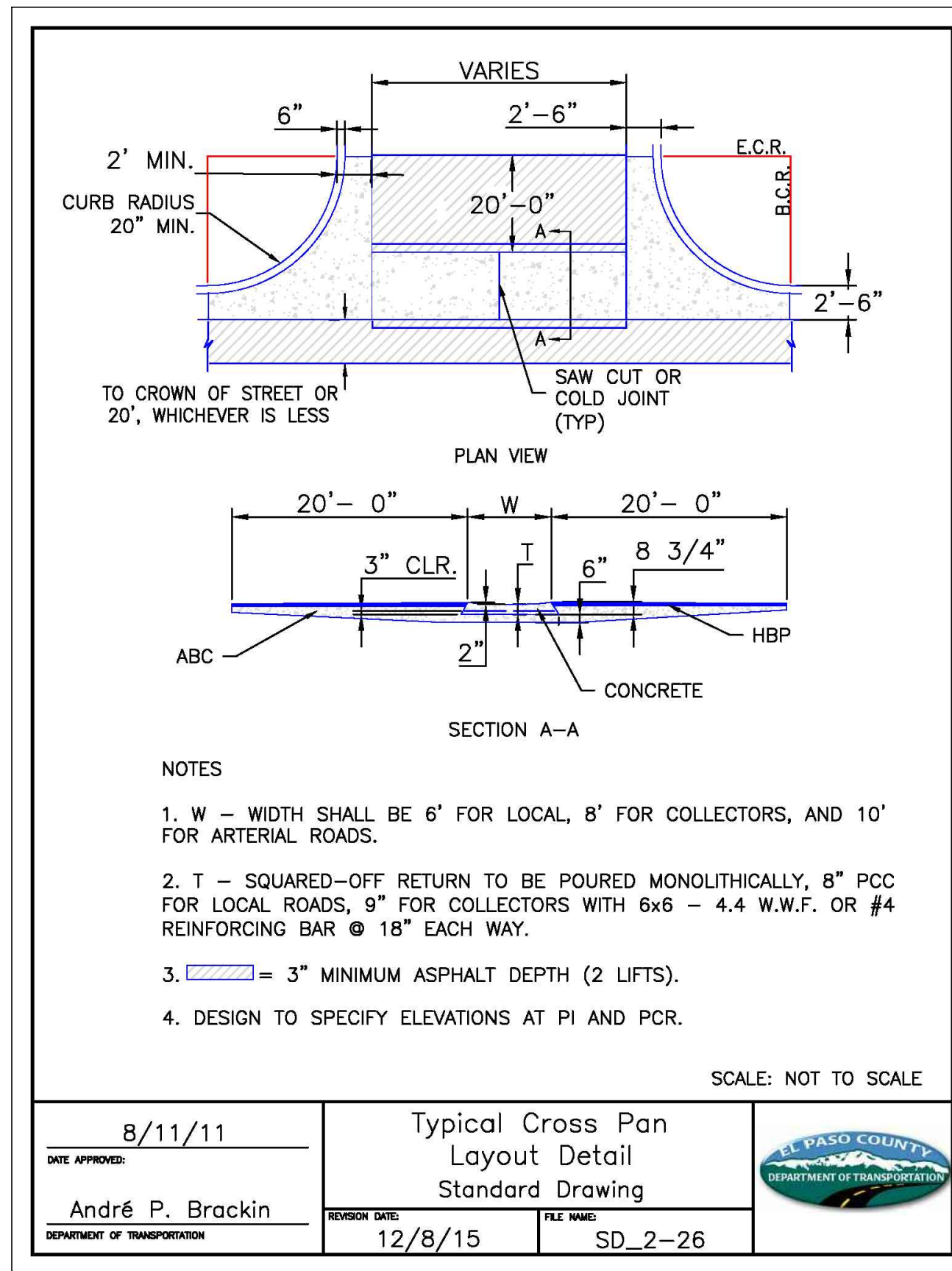
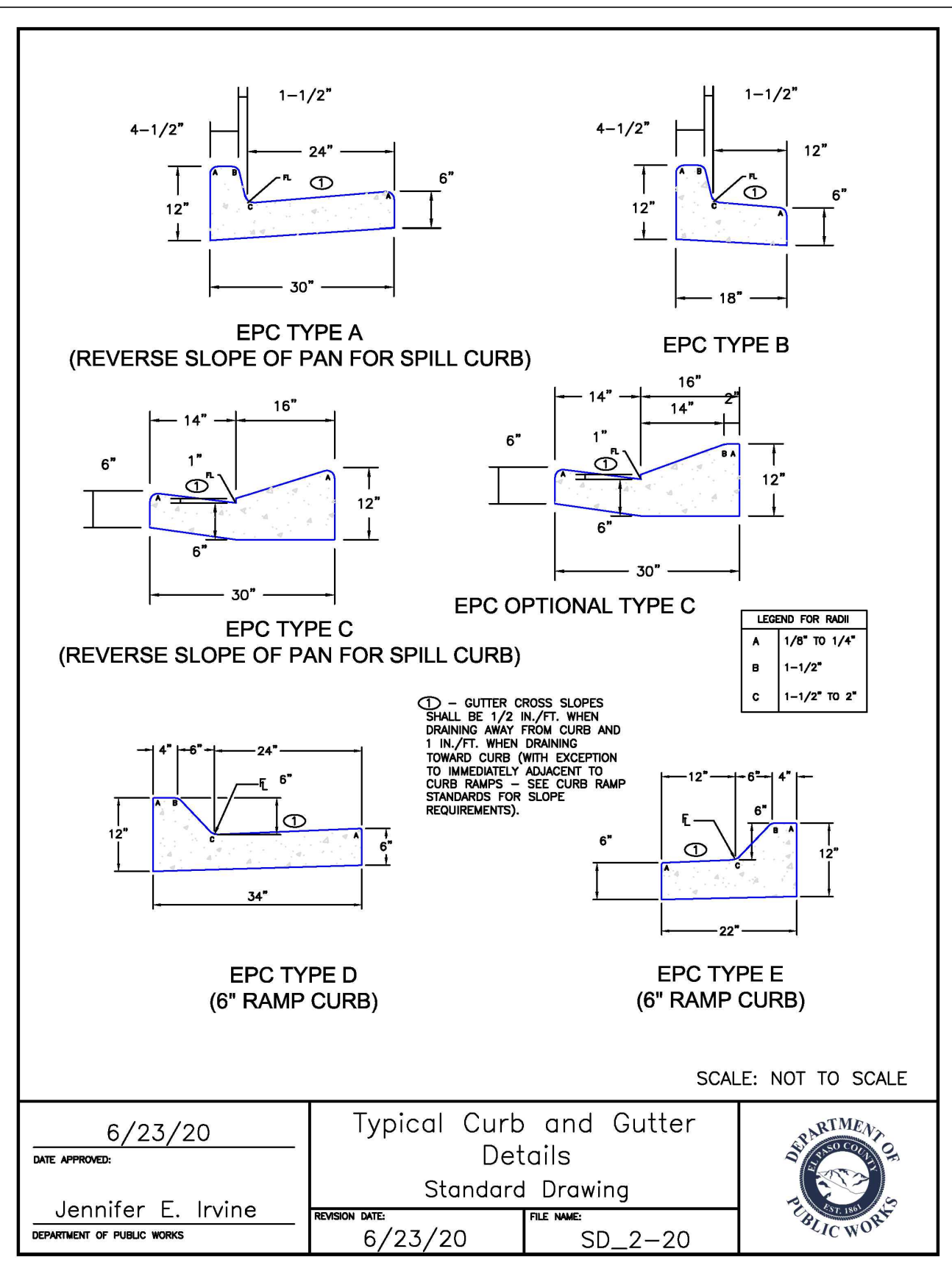
PREPARED FOR:
PHI REAL ESTATE SERVICES
 200 W CITY CENTER DR #200
 PUEBLO CO 81003



THE VILLAS AT CLAREMONT RANCH
STREET IMPROVEMENT PLAN & PROFILE

SCALE: 1" = 50'	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 4 OF 6

DRAWN BY: MGP

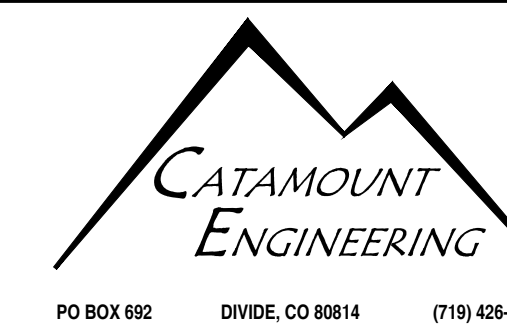


ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE



PREPARED FOR:
PHI REAL ESTATE SERVICES, LLC
200 W. CITY CENTER DR. STE 200
PUEBLO, CO 81003



THE VILLAS AT CLAREMONT RANCH
CONSTRUCTION DRAWINGS
STREET IMPROVEMENT DETAILS

DRAWN BY: SLP	DATE: 12/08/22
SCALE: N/A	JOB NUMBER: SHEET
16-102	5 OF 6

SIGNAGE & STRIPING NOTES:

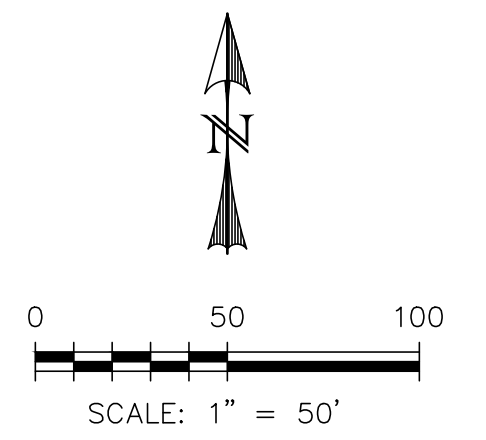
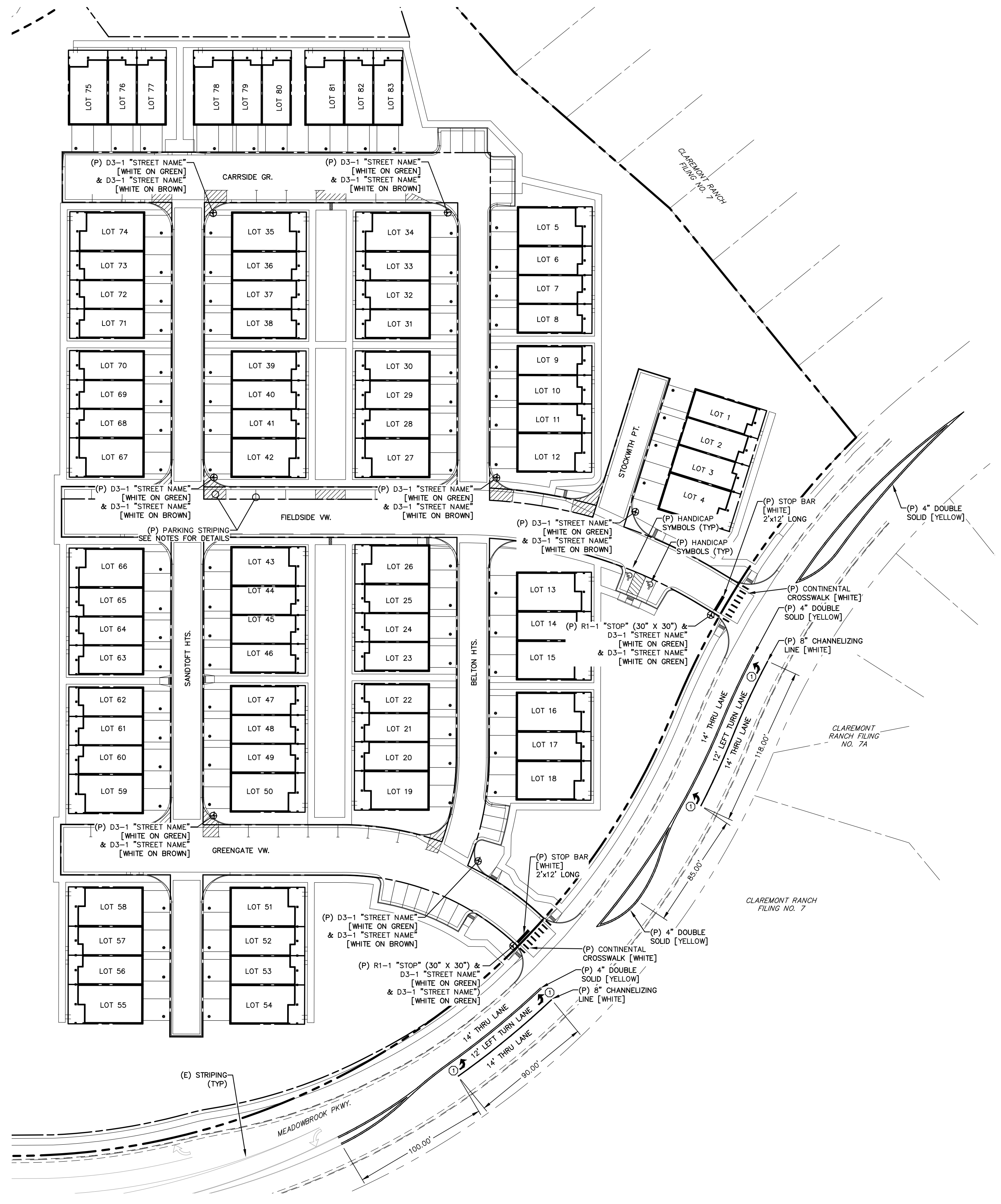
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
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 "C" 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, WITH 1/2" WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH 1/2" WHITE BORDER THAT IS NOT RECESSED.
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. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
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 FURRED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DEVELOPMENT SERVICES (719) 520-6819 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 PUBLIC SERVICE DEPARTMENT (PSD) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

PRIVATE ROAD SIGNS

PRIVATE ROAD SIGNS SHALL GENERALLY CONFORM TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE MOST CURRENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE 2004 EDITION OF STANDARD HIGHWAY SIGNS 2012 SUPPLEMENT (SHS) FOR STREET NAME SIGNS.

PRIVATE ROAD STREET NAME SIGNING THAT FACES APPROACH ROADS WHICH ARE CLASSIFIED OR OPERATE AS LOCAL RESIDENTIAL AREA SUBDIVISION ROADS THAT PROVIDE DIRECT ACCESS TO CONSISTENTLY SUBDIVIDED RESIDENTIAL LOTS WILL TYPICALLY UTILIZE AN 8 INCH SIGN PANEL HEIGHT WITH 4-INCH INITIAL UPPER-CASE LETTERING FOR THE PRIMARY STREET NAME LEGEND. PRIVATE ROAD STREET NAME SIGNING THAT FACES APPROACH ROADS WHICH ARE CLASSIFIED OR OPERATE AS NON-LOCAL RESIDENTIAL AREA SUBDIVISION ROADS WILL TYPICALLY UTILIZE A 12-INCH SIGN PANEL HEIGHT WITH 6-INCH INITIAL UPPER-CASE LETTERING FOR THE PRIMARY STREET NAME LEGEND. LARGER SIGNS MAY BE REQUIRED PER THE MUTCD.

THE WORDS "PRIVATE ROAD" SHALL BE LOCATED PRIOR TO THE STREET NAME AND SHALL BE RIGHT JUSTIFIED. THE WORDS SHALL BE ALL CAPITAL LETTERS, STACKED AND CENTERED VERTICALLY. FOR AN 8-INCH SIGN PANEL HEIGHT, USE 2.25 INCHES FOR THE PRIVATE ROAD LETTER HEIGHT AND A 1.5-INCH VERTICAL SPACE BETWEEN THE LEGEND. FOR A 12-INCH SIGN PANEL HEIGHT, USE 3 INCHES FOR THE PRIVATE ROAD LETTER HEIGHT AND A 2-INCH VERTICAL SPACE BETWEEN THE LEGEND.



LEGEND

PROPOSED	(P)
EXISTING	(E)
CURB AND CUTTER	C&G
RIGHT-OF-WAY	ROW
BOUNDARY	---
RIGHT-OF-WAY	---
LOT LINE	---
(E) SIGN	+
(P) SIGN	+
(P) PAVEMENT MARKING - ARROW SYMBOL	⊙
"LEFT TURN" [WHITE]	⊙

- STREET NAME SIGNS:**
1. PRIVATE STREET NAME SIGNS SHALL BE 7" HEIGHT WITH 4" WHITE LETTERING ON BROWN BACKGROUND. PRIVATE STREET SIGNS TO BE LOCATED ALONG MEADOWBROOK PKWY. SHALL BE 7" HEIGHT WITH 4" WHITE LETTERING ON GREEN BACKGROUND.

REV.	DESCRIPTION	DATE



PREPARED FOR:
PHI REAL ESTATE SERVICES
 200 W CITY CENTER DR #200
 PUEBLO CO 81003



THE VILLAS AT CLAREMONT RANCH
SIGNAGE & STRIPING PLAN

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1"=50'	DATE: 01/17/20
JOB NUMBER: 16-102	SHEET: 6 OF 6

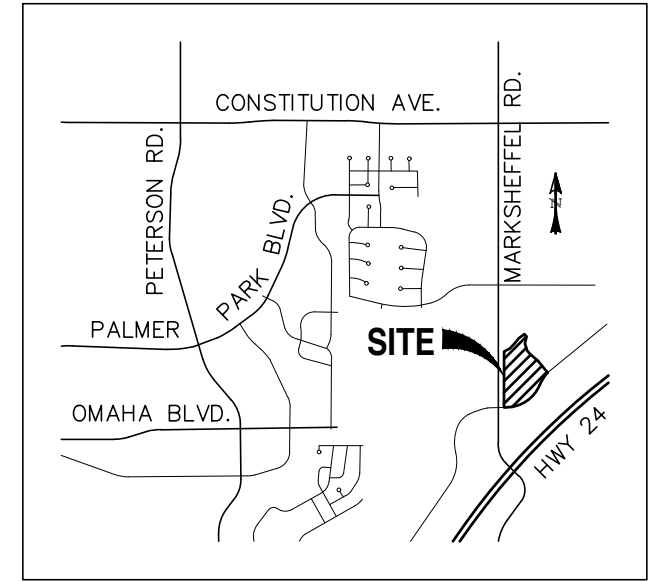
ENGINEERING RECORD DRAWINGS

THE VILLAS AT CLAREMONT RANCH

STORM SEWER PLANS

EL PASO COUNTY, COLORADO

AS-BUILT DRAWINGS



VICINITY MAP
SCALE: N.T.S.

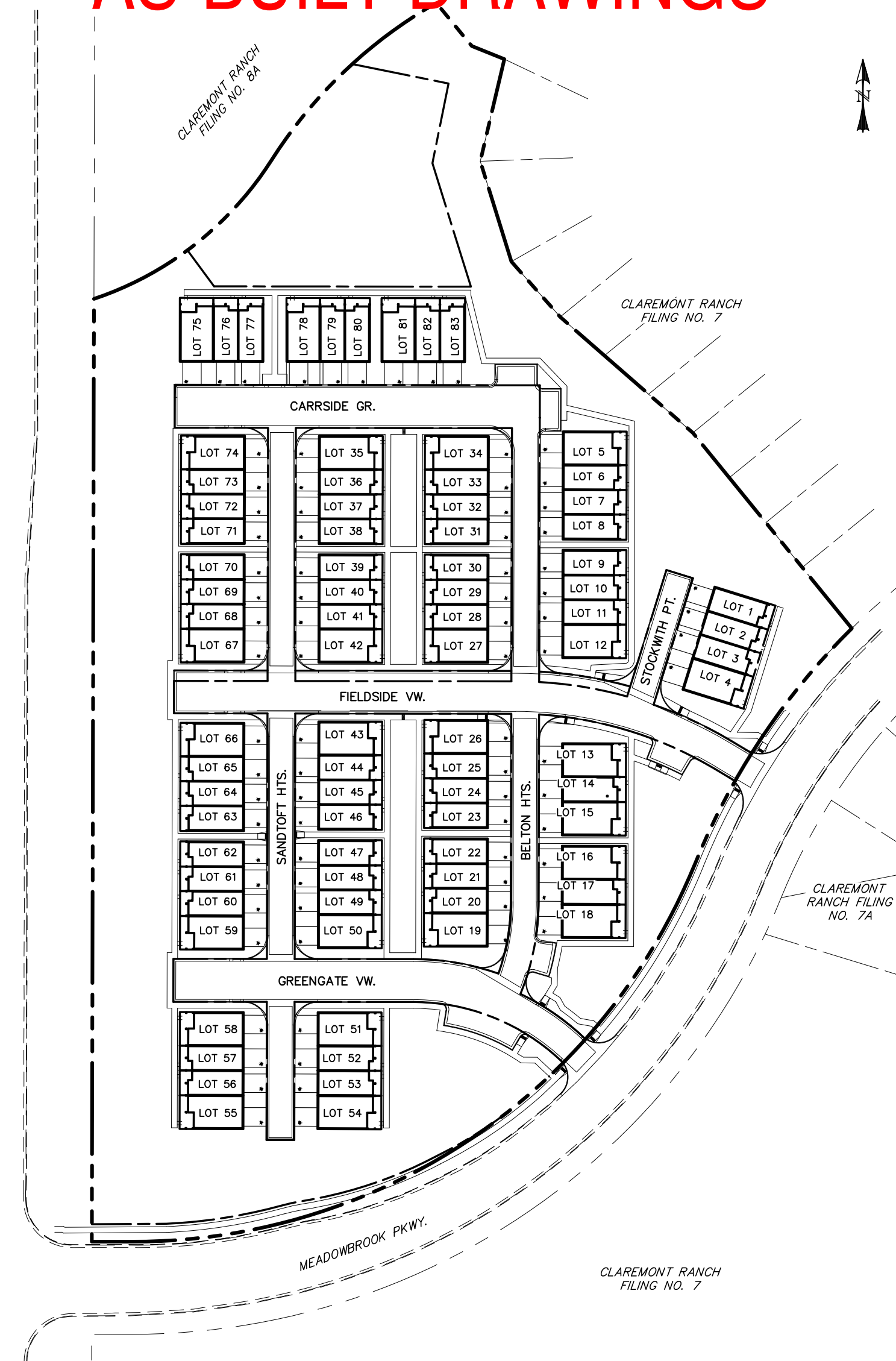
STANDARD CONSTRUCTION NOTES:

- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- 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, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- 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. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY DEVELOPMENT SERVICES DEPARTMENT (DSD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOORPLAN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GRADING NOTES:

- CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM DEVELOPMENT SERVICES AND A PRECONSTRUCTION CONFERENCE IS HELD WITH DEVELOPMENT SERVICES INSPECTIONS.
- 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.
- 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.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPS AS INDICATED ON THE 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 DSD INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPS IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPS AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE 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.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- 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.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 6, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.), IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 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
WOOD - PERMITS
1300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



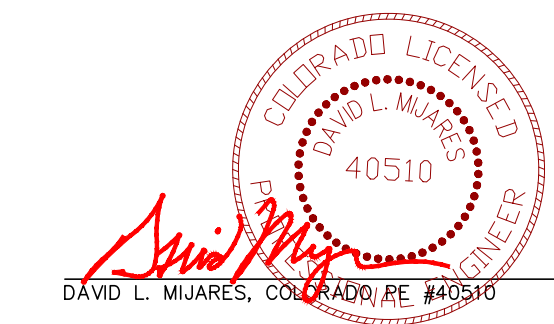
SITE MAP
SCALE: N.T.S.

LEGEND

EXISTING	(E)	BOUNDARY	---
PROPOSED	(P)	RIGHT-OF-WAY	---
FUTURE	(F)	LOT LINE	---
BEGIN TRANSITION	BT	EASEMENT	---
END TRANSITION	ET	(E) CONTOUR, INDEX	---
CURB RETURN	CR	(E) CONTOUR	---
POINT OF CURVATURE	PC	(E) STORM SEWER	---
POINT OF TANGENCY	PT	(P) CONTOUR, INDEX	---
POINT ON CURVE	POC	(P) CONTOUR	---
		(P) STORM SEWER, INLET, MH	---

ENGINEER'S STATEMENT:

THE ONSITE STORM SEWER SYSTEM IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED STORM SEWER PLANS BASED ON VISUAL OBSERVATION OF FIELD CONDITIONS.



SHEET INDEX:

TITLE SHEET	1 OF 5
STORM SEWER PLAN & PROFILE (STM-01 & STM-02)	2 OF 5
STORM SEWER PLAN & PROFILE (STM-03 & STM-04)	3 OF 5
STORM SYSTEM DETAIL SHEET	4 OF 5
STORM POND DETAIL SHEET	4 OF 5

ENGINEERING RECORD DRAWINGS

SF-22-028

REV.	DESCRIPTION	DATE



BASIS OF BEARINGS
THE WESTERN BOUNDARY OF VILLAS AT CLAREMONT.
HAVING AN ASSUMED BEARING OF: N 00°07'45" E

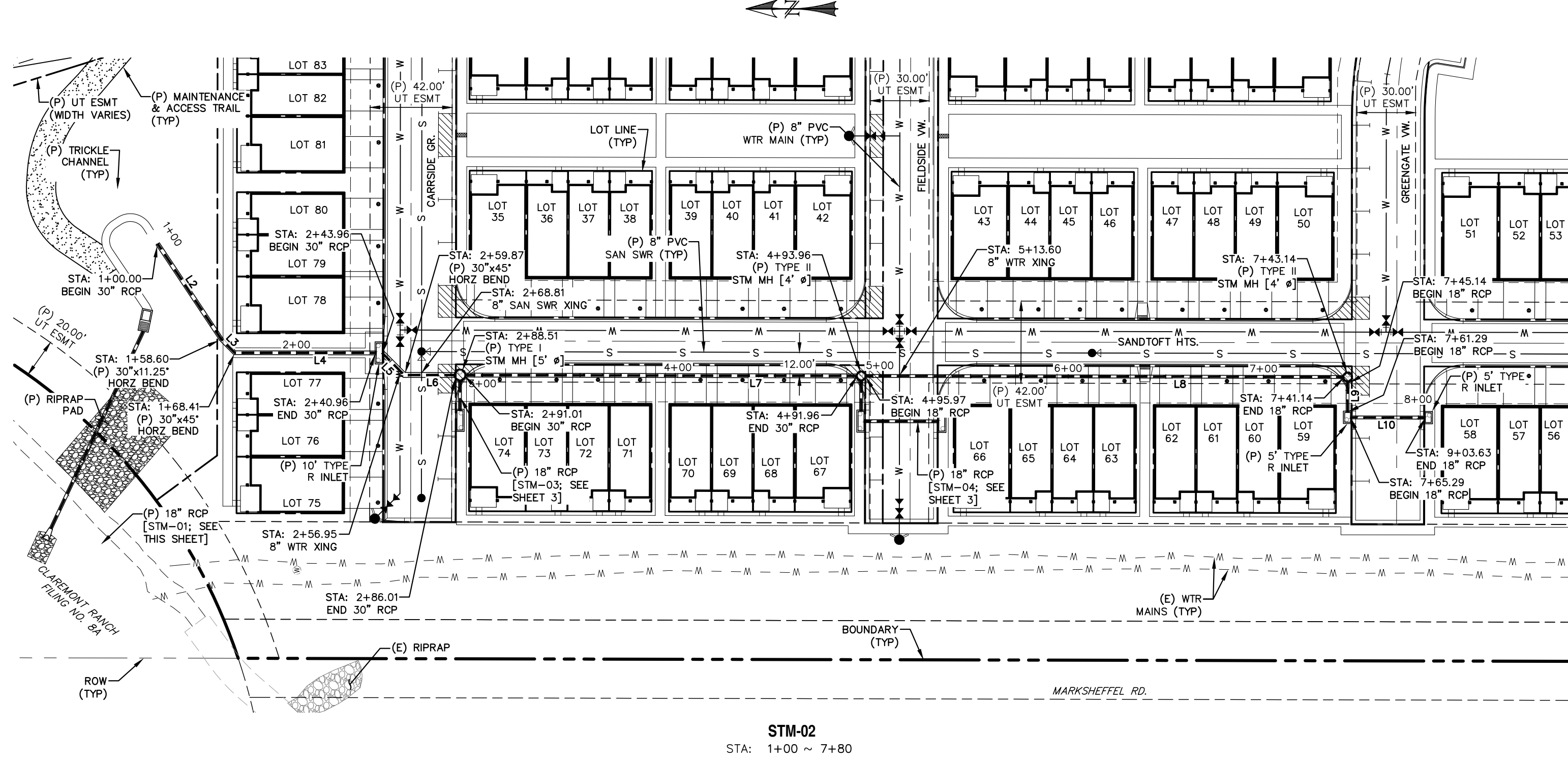
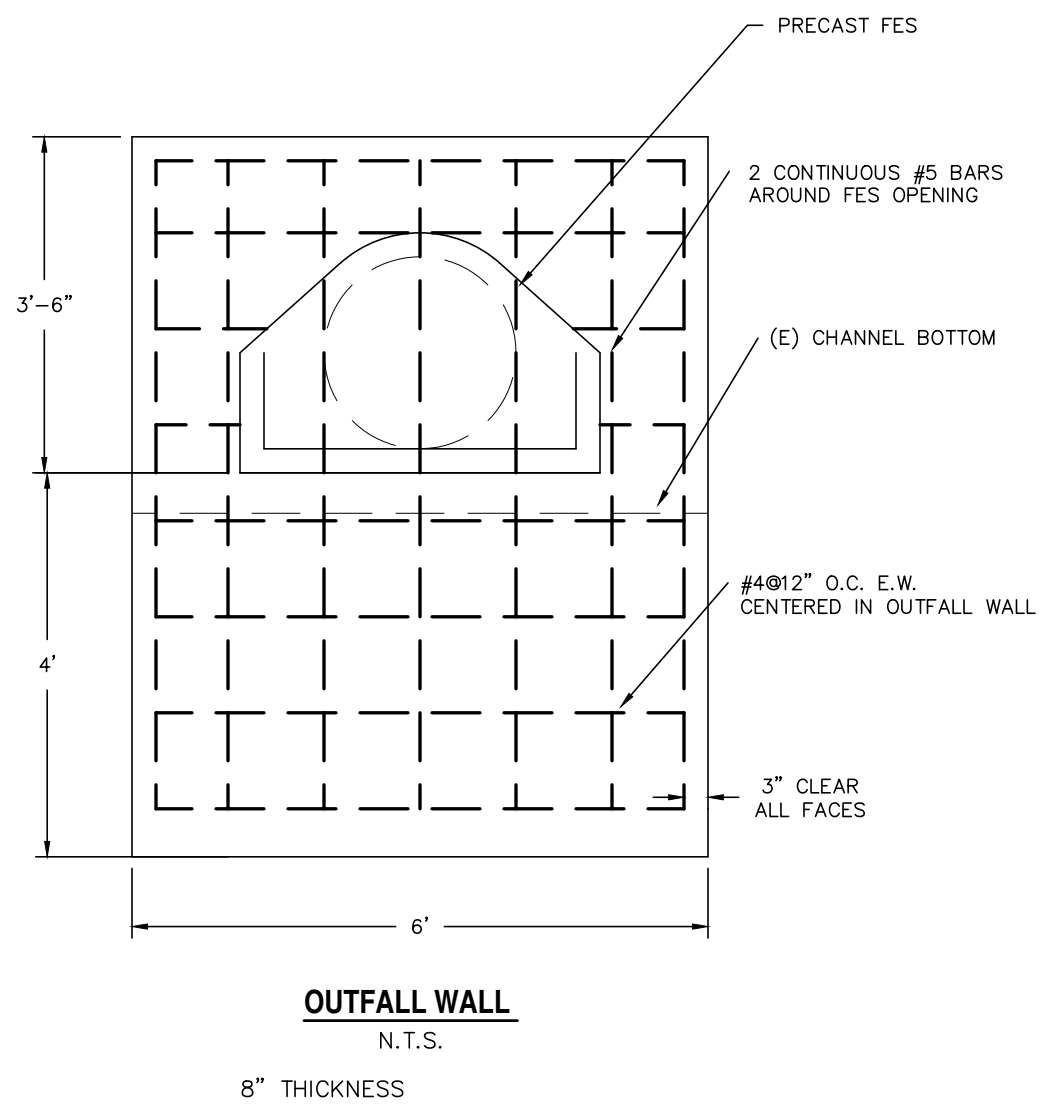
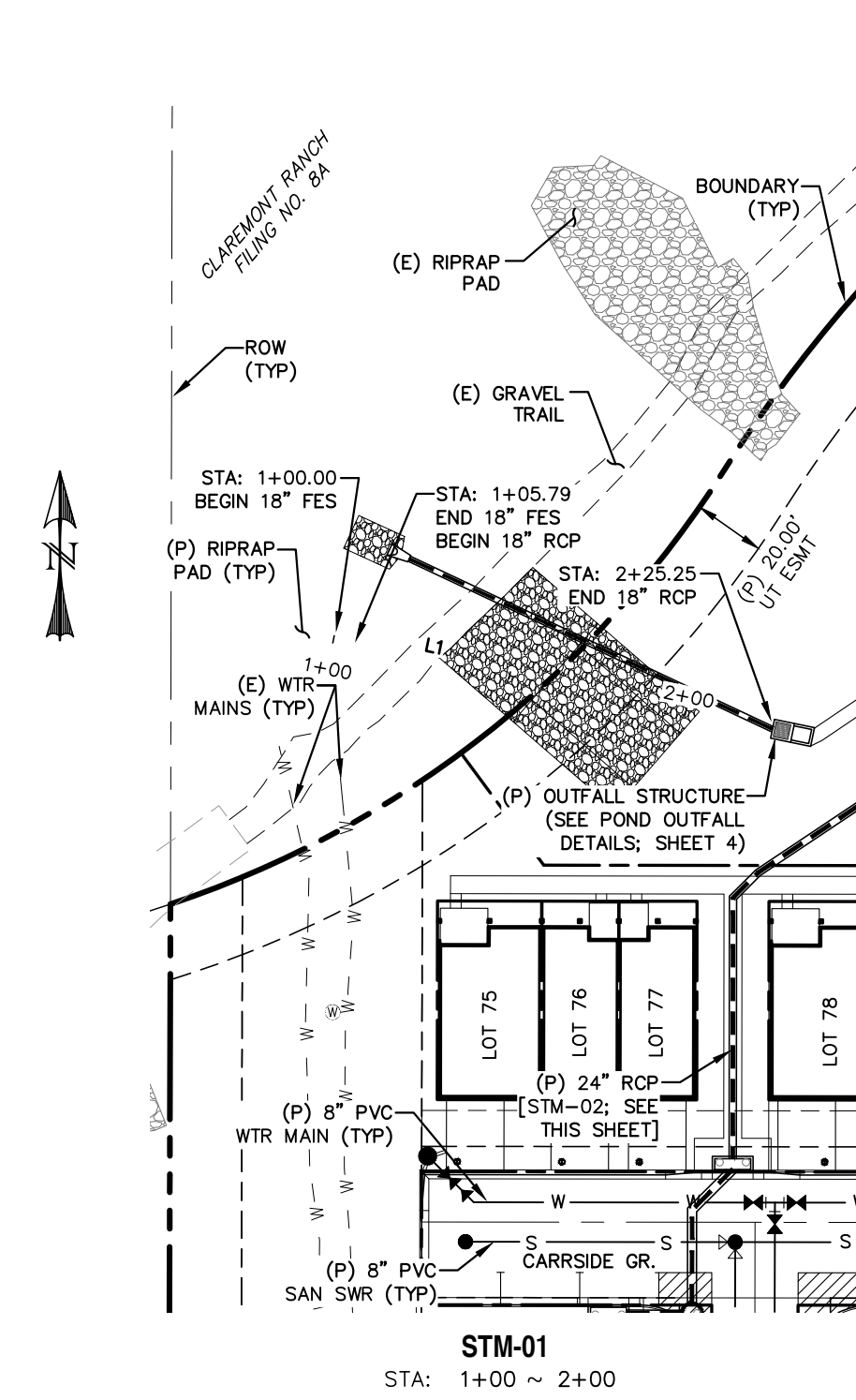
PREPARED FOR:
PHI REAL ESTATE SERVICES
200 W CITY CENTER DR #200
PUEBLO CO 81003

BENCHMARK
FIMS MONUMENT SR08: A 2 INCH DIA. ALUM. FIMS CAP STAMPED "CSU FIMS CONTROL SR08" ON THE NORTHEAST CORNER OF THE CONCRETE BASE OF THE ELECTRIC VAULT NUMBER 004810 ON THE WEST SIDE OF PETERSON ROAD, ABOUT 110 FEET NORTH OF THE NORTH CURB OF CONSTITUTION AVENUE.
ELEVATION: 6522.67

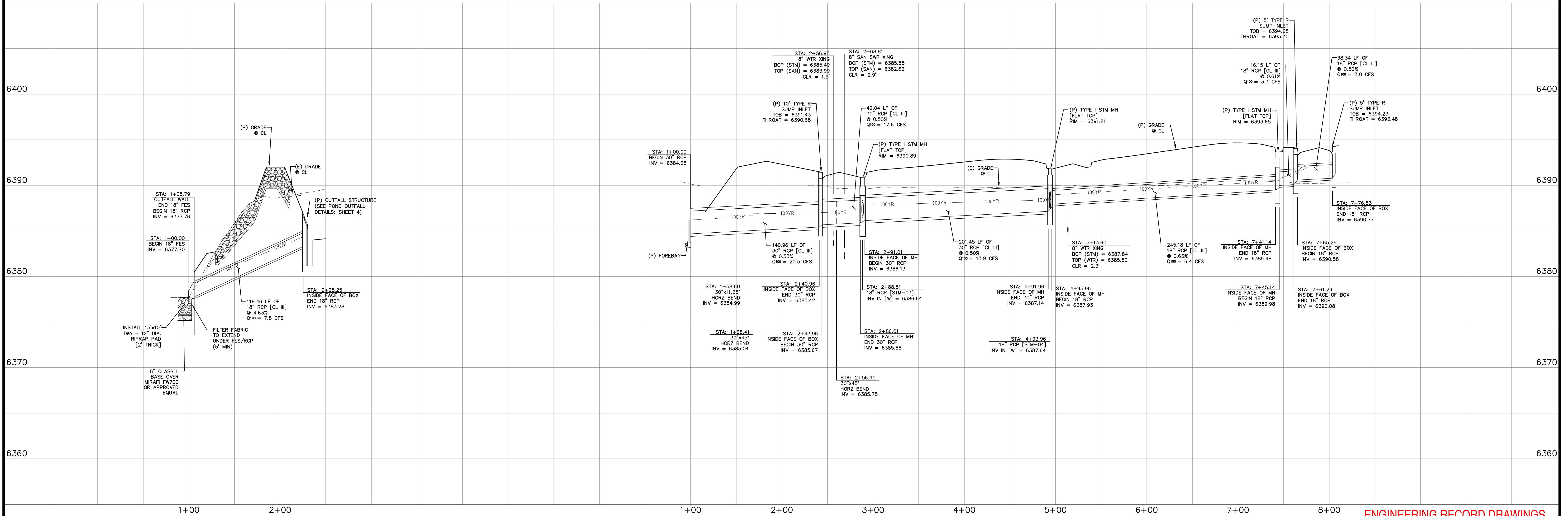
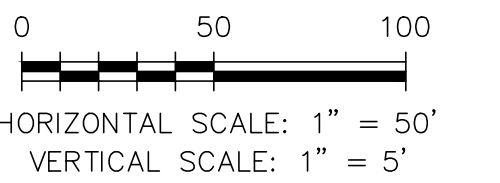


THE VILLAS AT CLAREMONT RANCH
STORM SEWER PLANS

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 01/17/20
JOB NUMBER	SHEET
16-102	1 OF 5



LINE	BEARING	DISTANCE
L1	S78° 25' 55.14"E	119.45
L2	S56° 19' 18.37"W	58.60
L3	S45° 04' 18.37"W	9.81
L4	S0° 04' 18.37"W	72.55
L5	S45° 07' 32.17"W	15.91
L6	S0° 07' 36.33"W	26.14
L7	S0° 07' 32.17"W	200.95
L8	S0° 07' 32.17"W	245.18
L9	N89° 48' 48.36"W	16.15
L10	S0° 11' 11.64"W	38.34



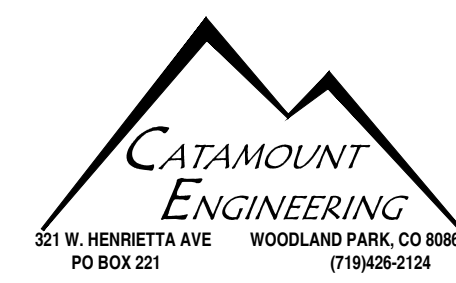
REV.	DESCRIPTION	DATE



PREPARED FOR:
PHI REAL ESTATE SERVICES
 200 W CITY CENTER DR #200
 PUEBLO CO 81003

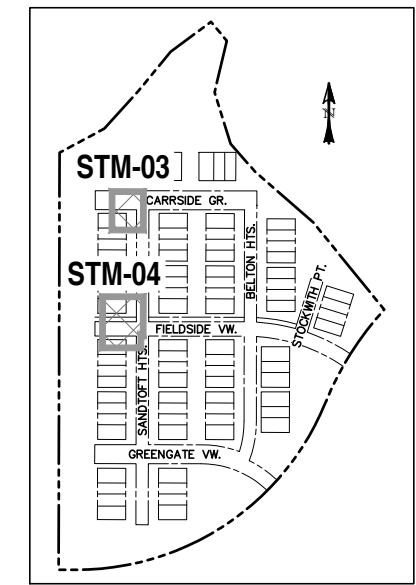
PREPARED UNDER SUPERVISION FOR AND BEHALF
 OF CATAMOUNT ENGINEERING

DAVID L. MIJARES, P.E. #40510
 DATE: 05/23/24

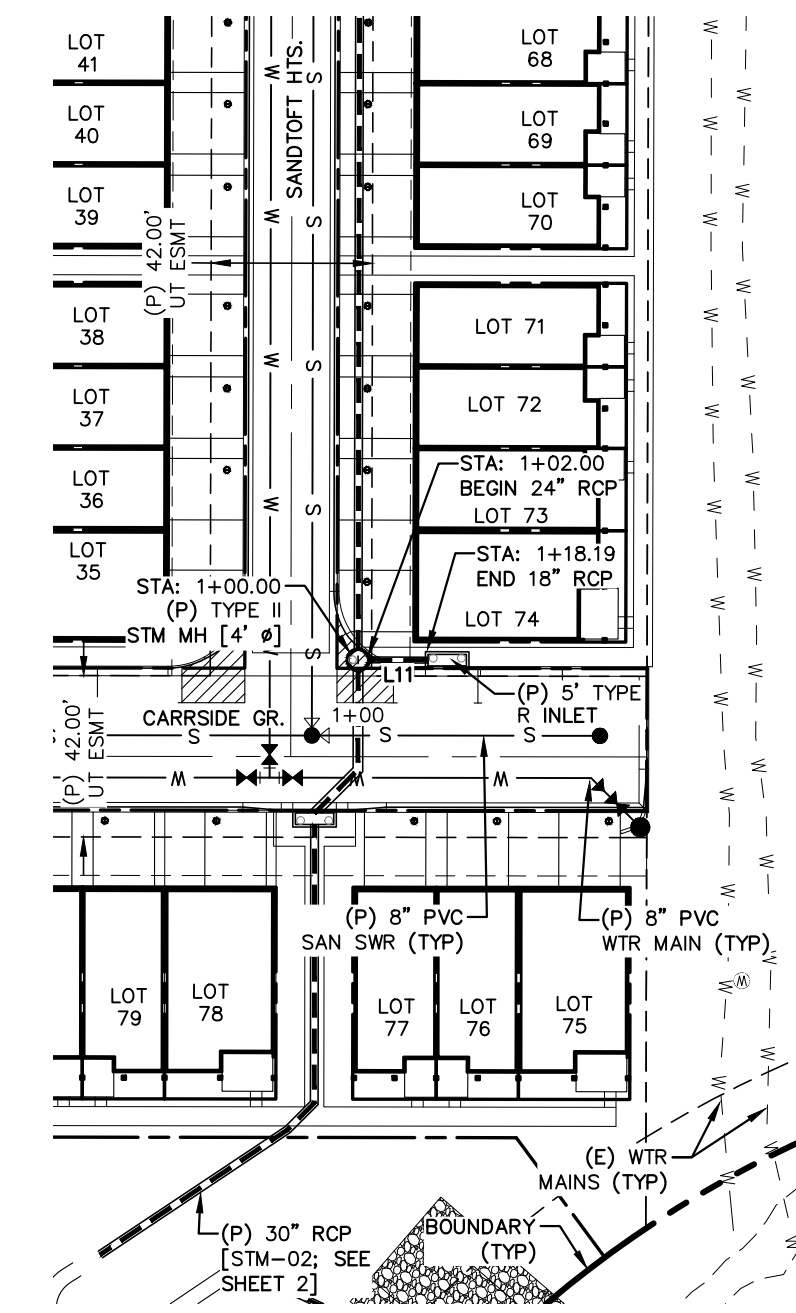


**THE VILLAS AT
 CLAREMONT RANCH**
**STORM SEWER
 PLAN & PROFILES**

ENGINEERING RECORD DRAWINGS
 DRAWN BY: MGP
 SCALE: 1" = 50'
 DATE: 01/17/20
 JOB NUMBER: SHEET
 16-102 2 OF 5



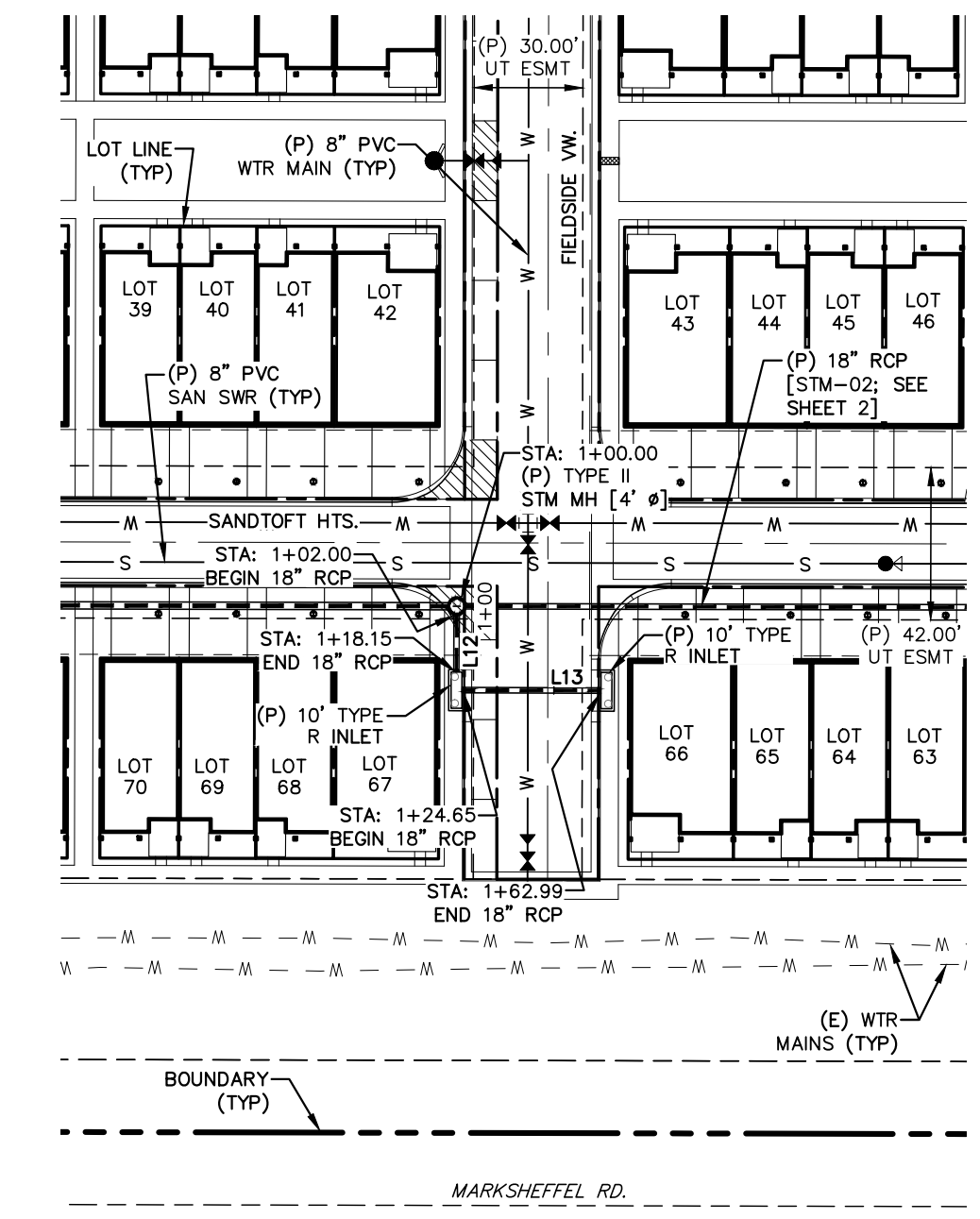
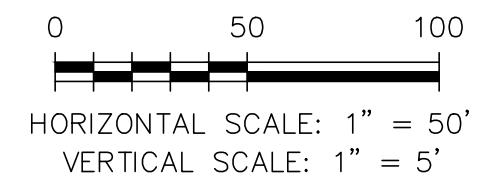
LOCATION MAP
SCALE: N.T.S.



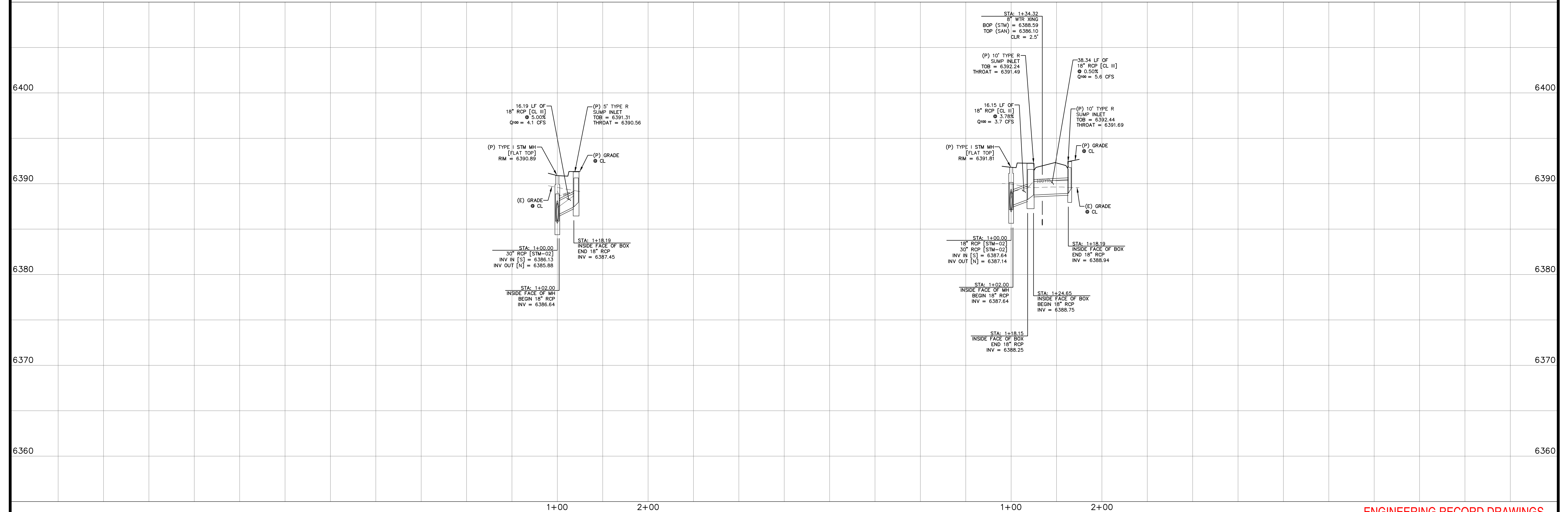
STM-03
STA: 1+00 ~ 1+20

LINE TABLE - STORM

LINE	BEARING	DISTANCE
L11	N89° 48' 48.36"W	16.19
L12	N89° 48' 48.36"W	16.15
L13	S0° 11' 11.64"W	38.34



STM-04
STA: 1+00 ~ 1+70



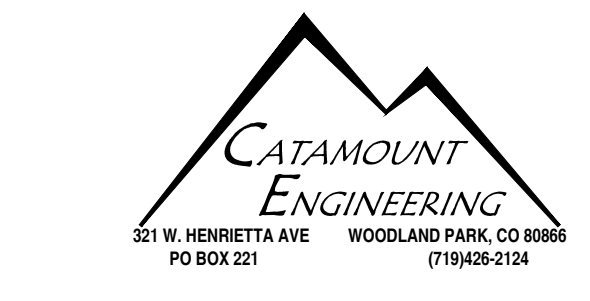
REV.	DESCRIPTION	DATE



PREPARED FOR:
PHI REAL ESTATE SERVICES
200 W CITY CENTER DR #200
PUEBLO CO 81003

PREPARED UNDER DIRECT SUPERVISION FOR AND BEHALF OF
CATAMOUNT ENGINEERING
DAVID L. MIJARES, PE #40510

DATE: 05/23/24



THE VILLAS AT CLAREMONT RANCH
STORM SEWER PLAN & PROFILES

ENGINEERING RECORD DRAWINGS
DRAWN BY: MGP
SCALE: 1" = 50' DATE: 01/17/20
JOB NUMBER: SHEET
16-102 3 OF 5

GENERAL NOTES:

- FOR LENGTH (L) 10 FT. OR MORE, PROVIDE MAINTENANCE ACCESS AT BOTH ENDS WITH AN ADDITIONAL MANHOLE RING AND COVER. CURB REINFORCING BAR ACCORDINGLY.
- STATION POINT AT MIDPOINT OF INLET ALONG FLOWLINE.

TRANSITION CURB

PLAN VIEW

SECTION A-A REGULAR INLET

SECTION A-A INLET WITH DROP BOX ~ H>6 FT.

SECTION B-B END VIEW

TRANSITION CURB

CURB FACE ASSEMBLY

SECTIONS C-C & D-D

Computer File Information

Sheet Revisions

Colorado Department of Transportation

CURB INLET TYPE R

STANDARD PLAN NO. M-604-12

Standard Sheet No. 1 of 2

GENERAL NOTES:

- CONCRETE SHALL BE CLASS B INLET. MAY BE CAST-IN-PLACE OR PRECAST.
- CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 INCHES THICK.
- INLET STEPS SHALL BE IN CONFORMANCE WITH ASTM F 896.
- CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER POURING.
- COVERED CONCRETE CURBS SHALL BE CHAMFERED 1/4" OF AN INCH CURB AND OUTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND OUTER GUTTER OF THE TRANSITION GUTTER.
- REINFORCING BARS SHALL BE DETERMINED AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND EPOXY COATED.
- DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
- MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON IN CONFORMANCE WITH SUBSECTION 712.06.
- SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
- STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL BE IN CONFORMANCE WITH SUBSECTION 712.06.
- ALL MANHOLE COVERS SHALL BE CAST WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE AND A FISH SYMBOL. THE SURFACE OF THE MANHOLE COVER SHALL HAVE A NON-SLIP PATTERN.

TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

MARK	BAR SIZE	O.C. SPACING	TYPE	ALL INLETS							
				L = 5 FT.		L = 10 FT.		L = 15 FT.			
				NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH
401	4	11"	II	22	11'	22	11'	22	11'	22	11'
402	4	11"	III	22	11'	22	11'	22	11'	22	11'
403	4	11"	III	22	11'	22	11'	22	11'	22	11'

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

MARK	LENGTH	NO. REQ'D		L = 5 FT.	L = 10 FT.	L = 15 FT.				
		REGULAR	DROP BOX							
				CONC. COV.	STEEL COV.	CONC. STEEL COV.				
3-0"	2'-8"	1-8"	10	7	3.2	285	5.3	497	7.4	708
3-6"	3-2"	2-2"	10	7	3.4	295	5.7	528	7.9	747

Computer File Information

Sheet Revisions

Colorado Department of Transportation

CURB INLET TYPE R

STANDARD PLAN NO. M-604-12

Standard Sheet No. 2 of 2

PIPE ID

48" AND SMALLER	BW
54"	6" x 4"
60" AND LARGER	6" x 10"

NOTES:

- TYPE I MANHOLE SHALL BE USED WHEN APPROPRIATE AND TYPICALLY FOR PIPE SIZES LARGER THAN 30 INCHES I.D..
- VIEW AND DETAILS SHOWN ARE TYPICAL FOR STRAIGHT THROUGH DESIGN ONLY. DESIGN ENGINEER SHALL DETERMINE MANHOLE BASE CONFIGURATION AND DIMENSIONS FOR PARTICULAR PIPE SIZES AND ALIGNMENT.
- EITHER LADDER OR STEPS SHALL BE INSTALLED WHEN MANHOLE DEPTH EXCEEDS 30". LOWEST STEP SHALL BE A MAXIMUM OF 16" ABOVE THE FLOOR.
- FLOOR OF THE MANHOLE SHALL BE TROWELED TO A SMOOTH, HARD SURFACE AND SHALL SLOPE TOWARDS THE OUTLET (B1 MAX. 1/8" PER FT. MIN.). FLOOR SHALL BE SHAPED AND CHANNELLED, SEE SD_3-2 FOR TYPICAL CHANNEL DETAILS.

Computer File Information

Sheet Revisions

Storm Sewer Manhole Detail Type I Standard Drawing

SD_3-1

NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS APPLICABLE TO THE PROJECT.
- PRECAST RISERS SHALL CONFORM TO ASTM C478.
- STEPS SHALL BE INSTALLED WHEN MANHOLE DEPTH EXCEEDS 30". STEPS SHALL BE CAST IRON OR EXTRUDED ALUMINUM, 1000 LB CAPACITY, 12" WIDE WITH NON-SKID GROOVES AND DROP FRONT ON SAFETY NOSES, IN ACCORDANCE WITH APPROVED OSHA REQUIREMENTS.

Computer File Information

Sheet Revisions

Storm Sewer Manhole Riser and Cover Detail Standard Drawing

SD_3-7

Computer File Information

Sheet Revisions

Storm Sewer Manhole Details Standard Drawing

SD_3-5

Computer File Information

Sheet Revisions

Drop Box Outlet Option

OVERTOPPING SPILLWAY OPTION

Computer File Information

Sheet Revisions

Typical WQCV Outlet Structure Profiles Including 100-Year Detention Standard Drawing

SD_3-83

ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE

811 Know what's below. Call 72 hours before you dig.

PHI REAL ESTATE SERVICES, LLC

200 W. QTY CENTER DR. STE 200 PUEBLO, CO 81003

PREPARED UNDER THE DIRECT SUPERVISION FOR AND BEHALF OF CATAMOUNT ENGINEERING AND CONSTRUCTION INC.

DAVID L. MIJARES, PE #40510

DATE: 05/23/24

CATAMOUNT ENGINEERING

PO BOX 692 DWIDDE, CO 80814 (719) 426-2124

THE VILLAS AT CLAREMONT RANCH

STORM SEWER - DETAILS

SCALE: N/A DATE: 12/08/22

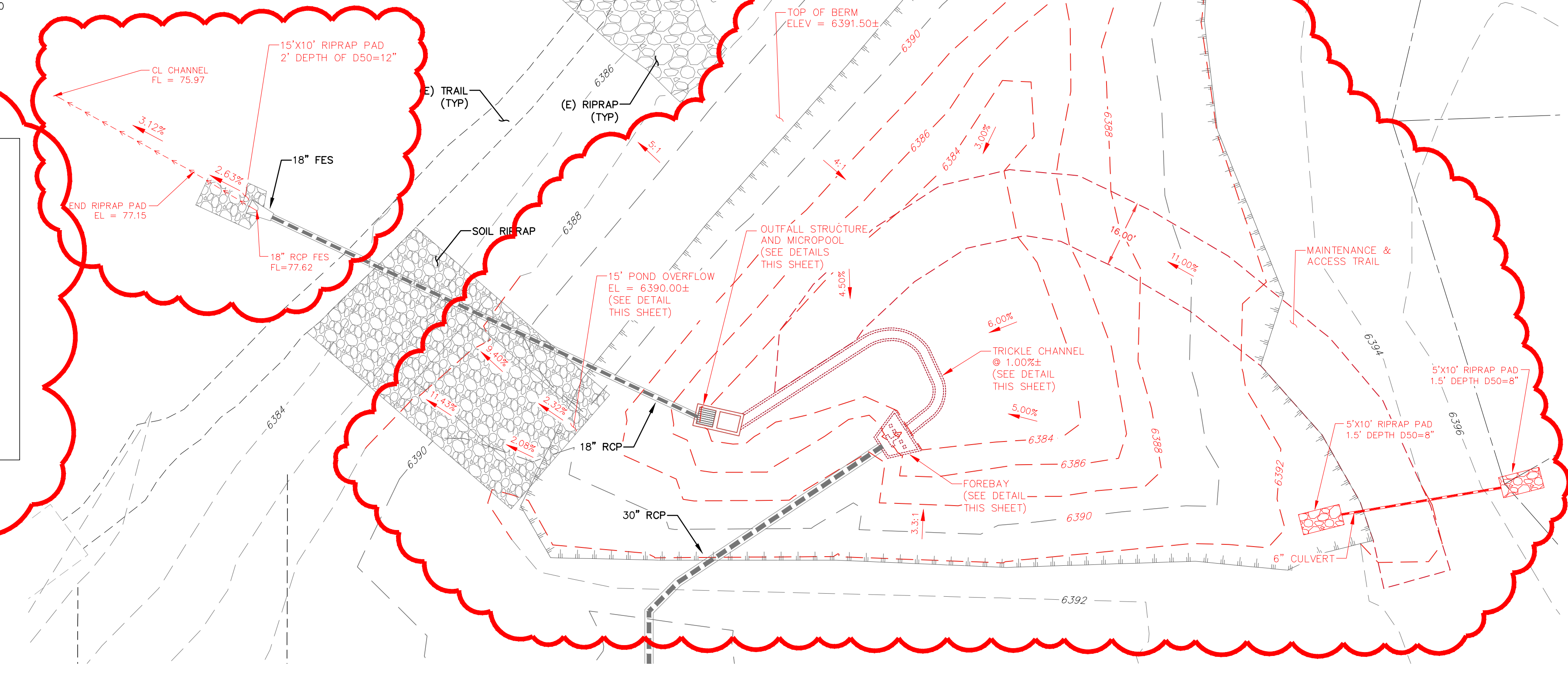
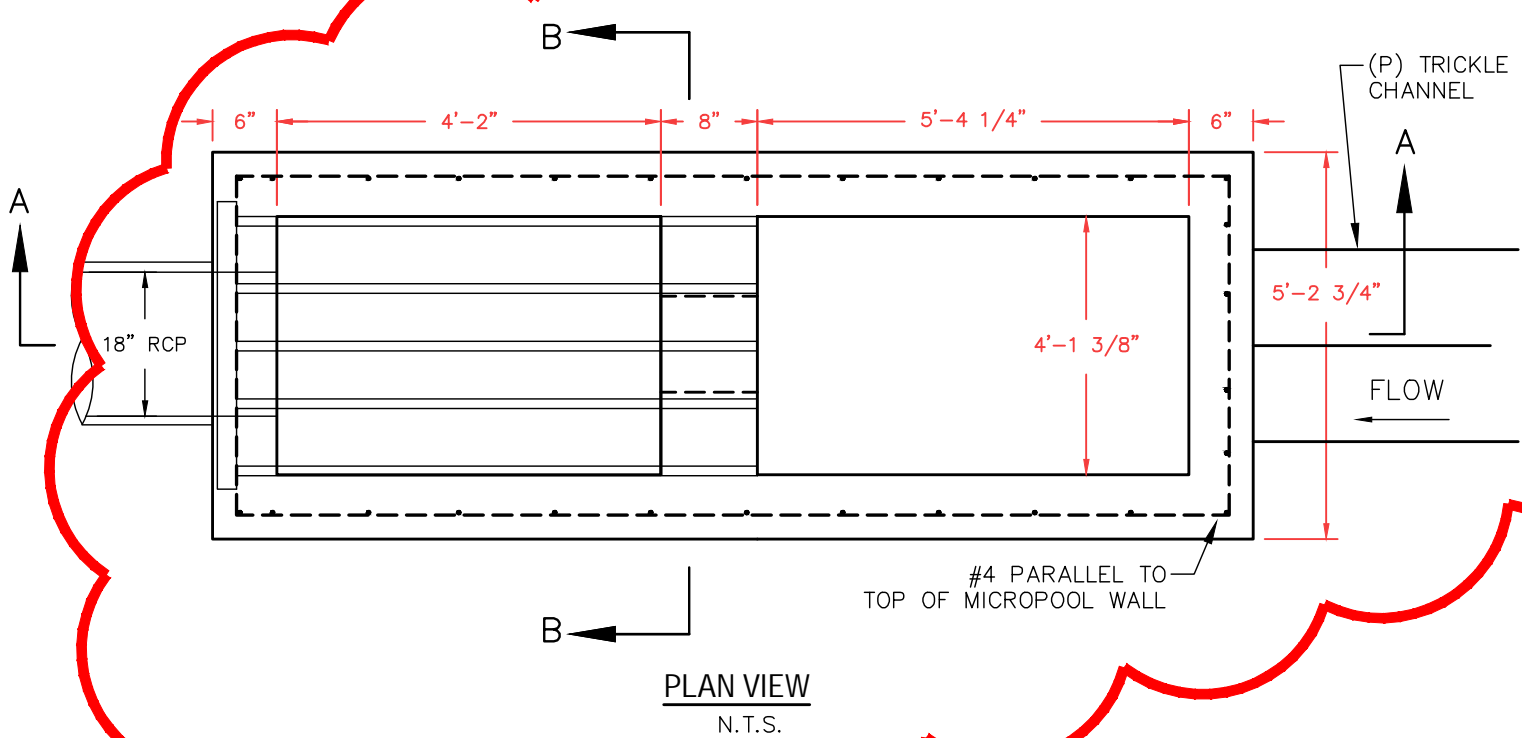
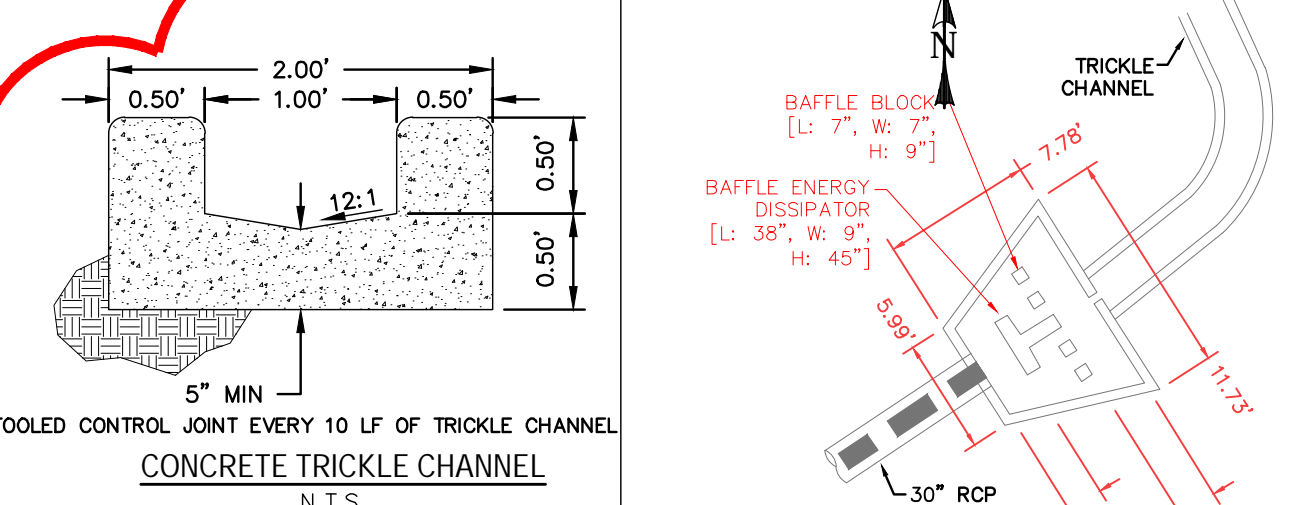
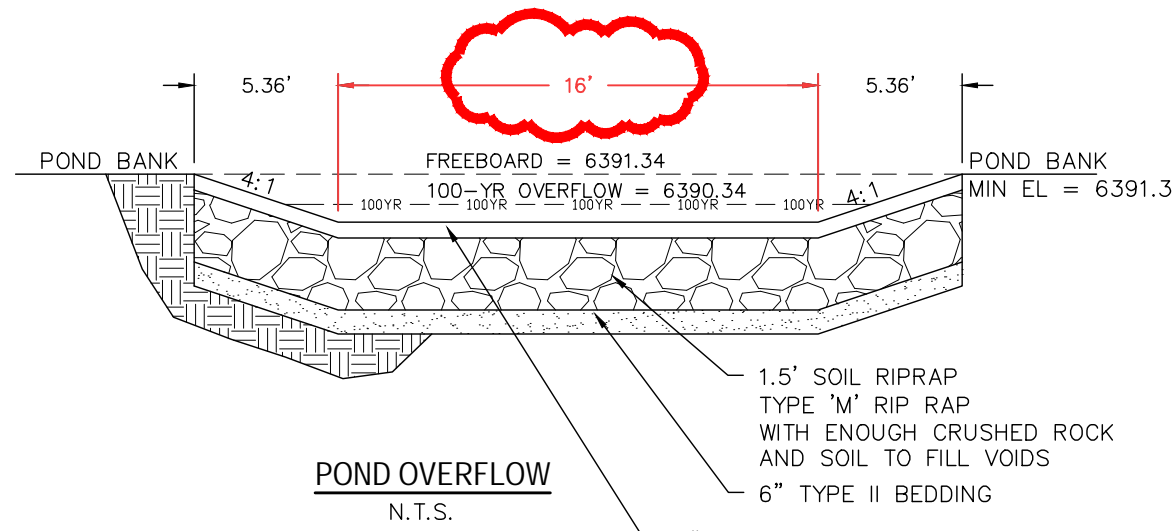
JOB NUMBER: 16-102 SHEET: 4 OF 5

GENERAL NOTES:

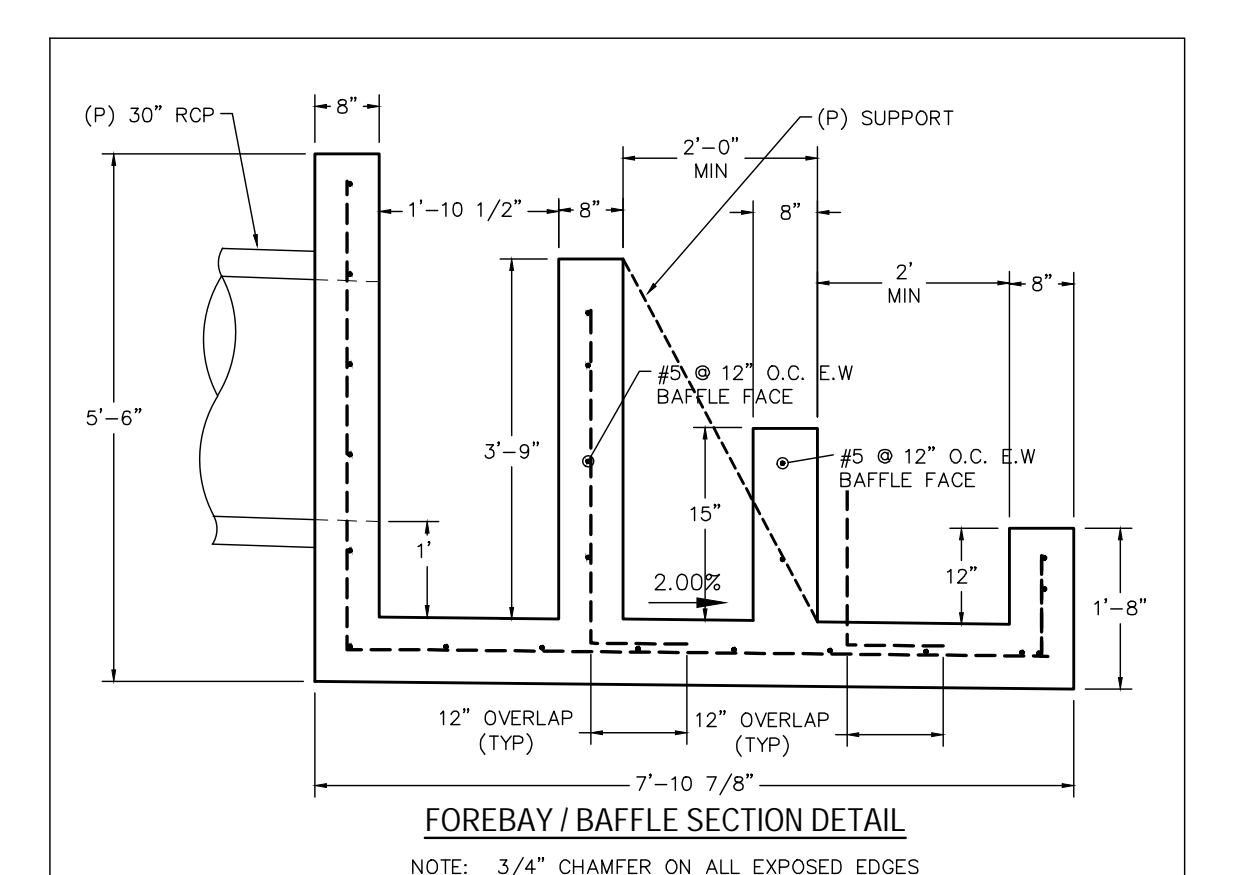
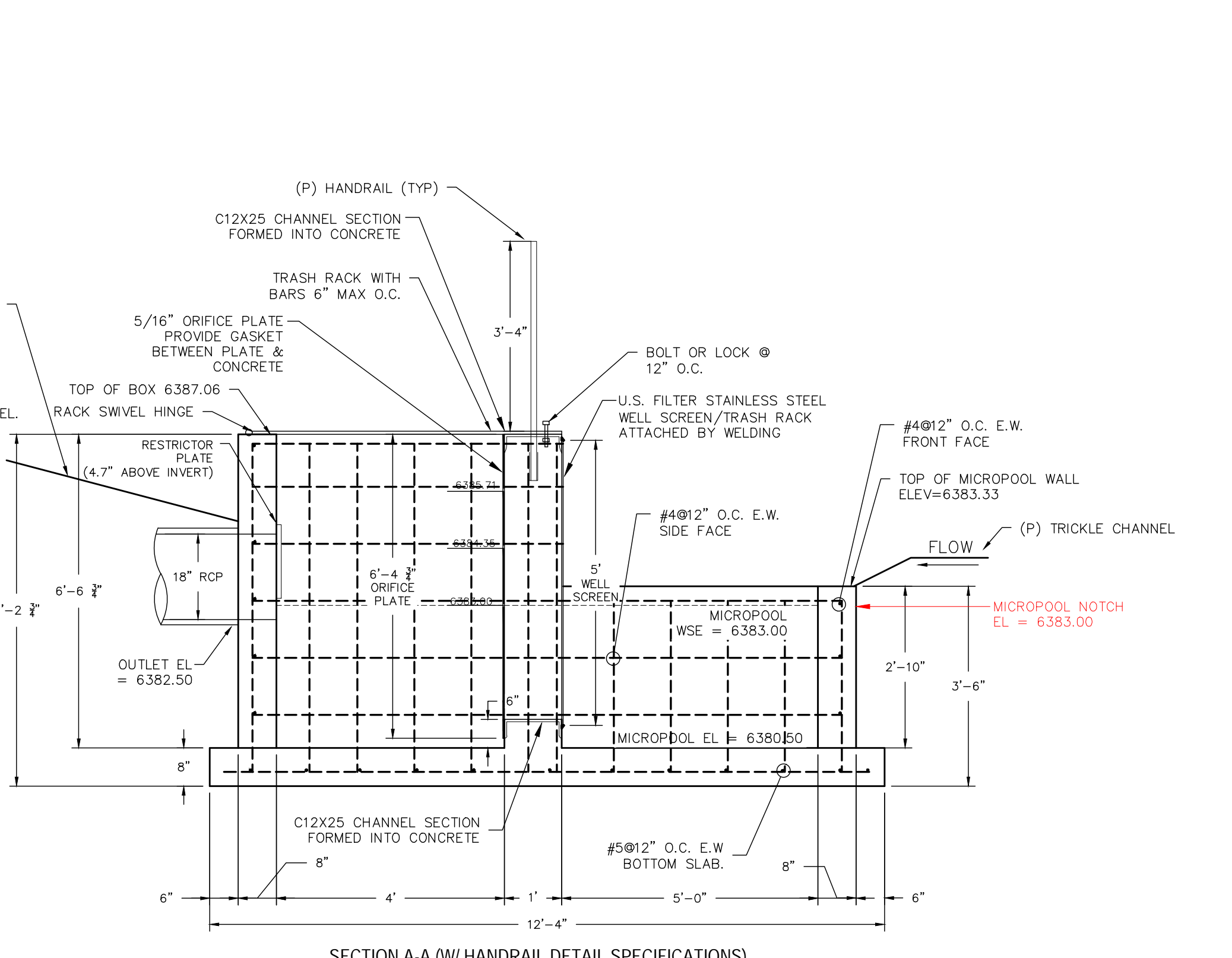
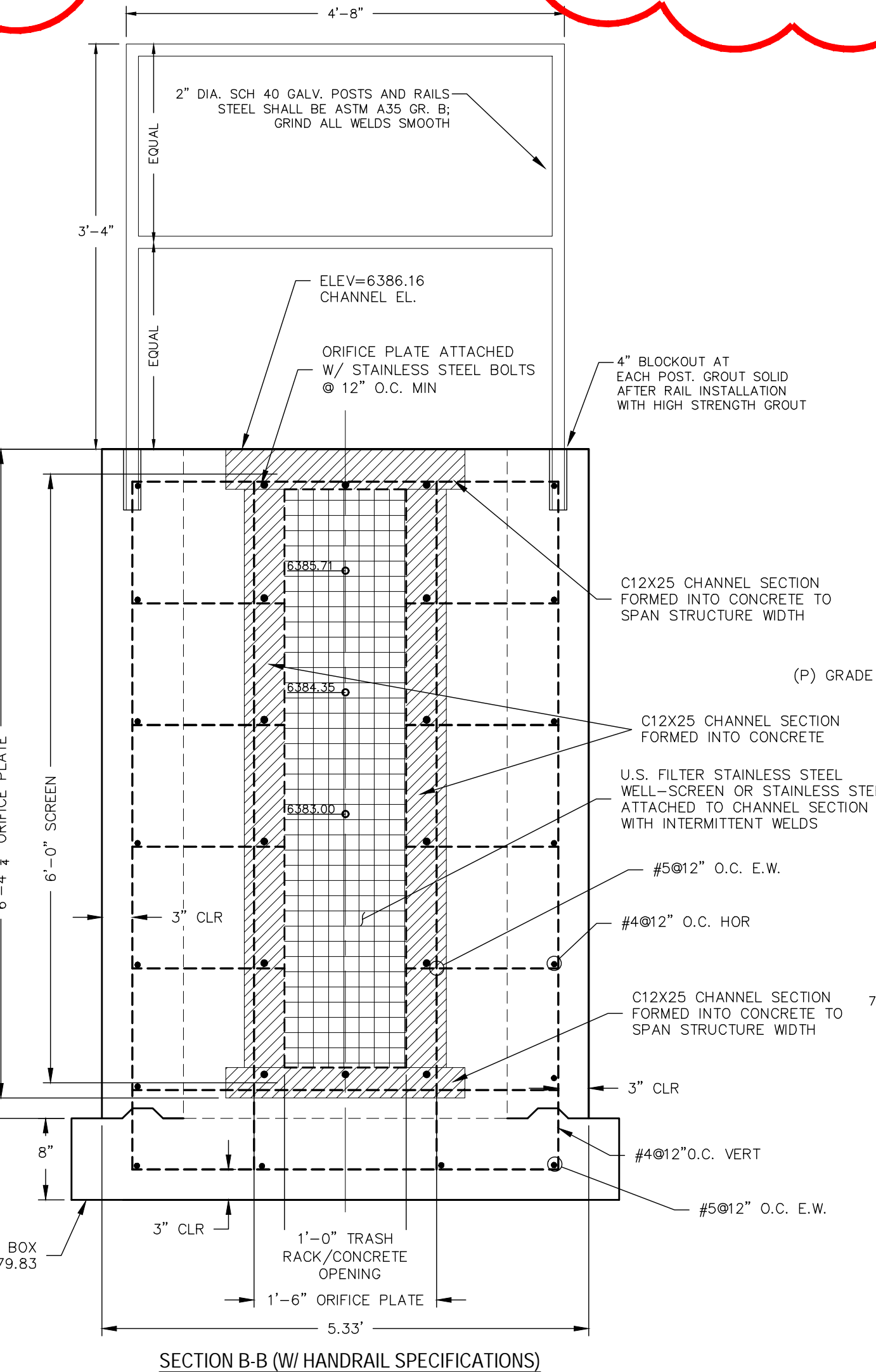
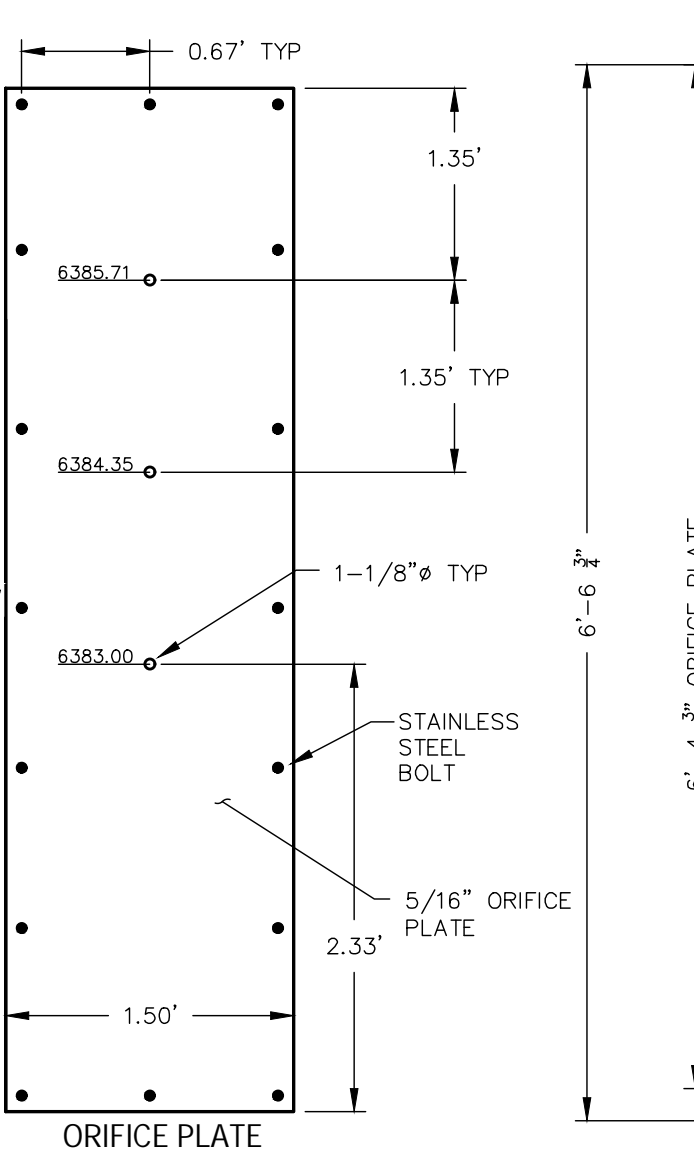
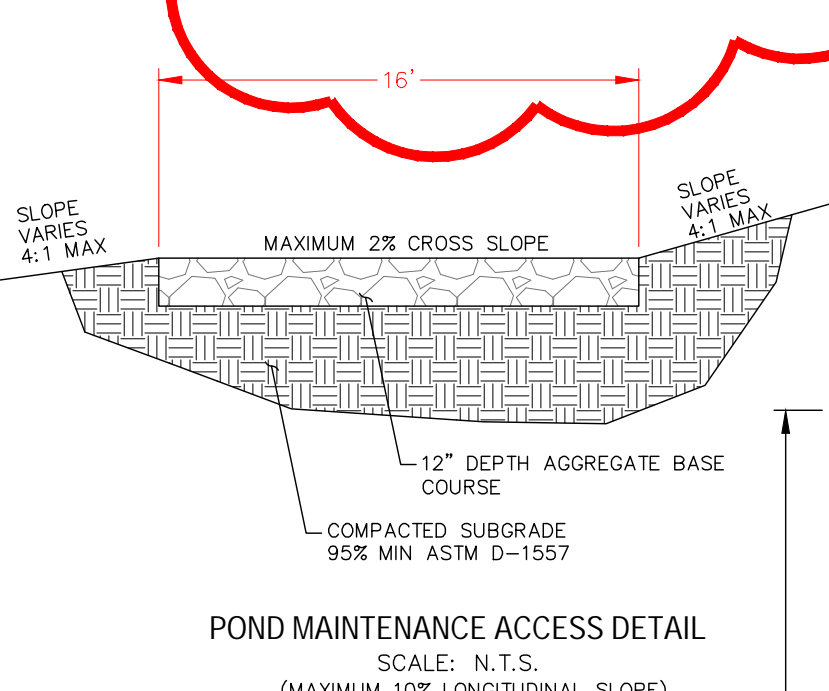
1. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS LATEST REVISION, UNLESS OTHERWISE IDENTIFIED.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. THE CONTRACTOR WILL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. ANY DAMAGE TO UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION SHALL BE SETTLED BY THE CONTRACTOR.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE A PRECONSTRUCTION CONFERENCE INCLUDING THE CONTRACTOR, ENGINEER, GEOTECHNICAL ENGINEER, PROJECT SURVEYOR, AND CITY REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE INDICATING THE PROJECT SEQUENCING AND TIME LINE FOR CONSTRUCTION ACTIVITIES FOR THE DURATION OF THE PROJECT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE GEOTECHNICAL ENGINEER, THE ENGINEER, AND/OR CITY REPRESENTATIVE FOR TESTING AND OBSERVATION AS ESTABLISHED AT THE PRECONSTRUCTION CONFERENCE AND AS REQUIRED BY THE PROJECT SPECIFICATIONS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT SURVEYOR FOR STAKING REQUIREMENTS AS ESTABLISHED AT THE PRECONSTRUCTION CONFERENCE.
7. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL SUBMITTALS AND CERTIFICATIONS TO THE ENGINEER FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO ORDERING MATERIALS.
8. BEFORE EXCAVATING, CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AT THE PRECONSTRUCTION CONFERENCE AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR.
10. THE APPROVAL OF THESE PLANS OR ISSUANCE OF A PERMIT BY THE CITY OF COLORADO SPRINGS DOES NOT AUTHORIZE THE CONTRACTOR AND/OR THE OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS OR POLICES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW, TEMPORARY AND EXISTING SIGNAGE FROM THE START OF THE CONSTRUCTION PROJECT UNTIL ACCEPTANCE BY THE OWNER.
12. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING SIGNS, PAVEMENT MARKINGS OR TRAFFIC SIGNALS DURING THE PROJECT WITHOUT SIGNED AUTHORIZATION OF THE CITY REPRESENTATIVE ASSIGNED TO THE PROJECT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING THE TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
14. IF A DISCREPANCY IS IDENTIFIED BETWEEN THE CONSTRUCTION DRAWINGS, PROJECT SPECIFICATIONS, AND/OR CITY SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD FOR RESOLUTION PRIOR TO CONTINUATION OF WORK.
15. PRIVATE EXTENDED DETENTION BASIN TO BE OWNED AND MAINTAINED BY CENTRAL MARKSHEFFEL METROPOLITAN DISTRICT.

CONCRETE CONSTRUCTION NOTES:

1. ALL CAST INPLACE STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. HIGHER COMPRESSIVE STRENGTH CONCRETE IS ACCEPTABLE TO ACHIEVE EARLY STRENGTH AS DEEMED NECESSARY TO MEET CONSTRUCTION SCHEDULING.
2. REINFORCING BARS SHALL BE IN CONFORMANCE WITH ASTM A-615 GRADE 60.
3. CONCRETE PROTECTIVE COVER SHALL BE 3" FOR CONCRETE POURED AGAINST EARTH AND 2" FOR FORMED CONCRETE, UNLESS OTHERWISE NOTED ON THE PLANS.
4. MINIMUM LAP SPICES SHALL BE 18".
5. PLACEMENT OF CONCRETE SHALL BE IN ACCORDANCE WITH A-318. DROP CHUTES AND/OR PUMPING SHALL BE USED TO PREVENT SEGREGATION OF THE MIX DUE TO EXCESSIVE VERTICAL DROP.
6. CONCRETE SHALL BE PLACED WITH A SLUMP BETWEEN 1" AND 4".
7. NO CALCIUM CHLORIDE ADMIXTURE SHALL BE USED. AN APPROVED WATER REDUCING AGENT MAY BE USED.
8. CONCRETE SHALL HAVE 5% TO 8% ENTRAINED AIR BY VOLUME.
9. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 1".
10. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH CITY OF COLORADO SPRINGS STANDARDS. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED FROM THE ENGINEER AND MUST BE APPROVED IN WRITING PRIOR TO ACCEPTANCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURE STABILITY DURING CONSTRUCTION. BACKFILL SHALL BE BROUGHT UP EVENLY AGAINST STRUCTURE.



PRIVATE EXTENDED DETENTION BASIN
SCALE: 1" = 20'



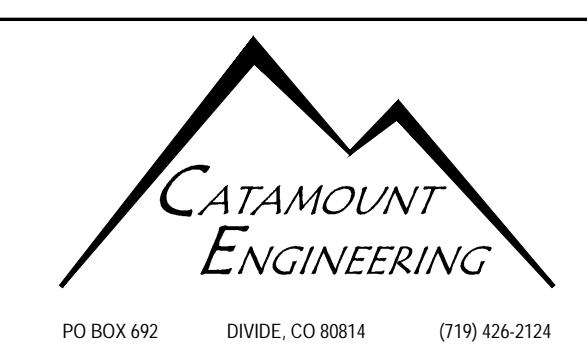
ENGINEERING RECORD DRAWINGS

REV.	DESCRIPTION	DATE



PREPARED FOR:
PREMIER HOMES
200 W CITY CENTER DR #200
PUEBLO CO 81003

PREPARED UNDER SUPERVISION FOR AND BEHALF OF
CATAMOUNT ENGINEERING
DAVID L. MUJARES, PE #40510
DATE: 05/23/24



THE VILLAS AT CLAREMONT RANCH		DRAWN BY: SLP
POND DETAIL SHEET		SCALE: N/A DATE: 07/29/22
16-102	JOB NUMBER	5 OF 5