

GRANDVIEW FILING 2 WATER AND WASTEWATER CONSTRUCTION DOCUMENTS
COUNTY OF EL PASO, STATE OF COLORADO
GRADING AND EROSION CONTROL PLAN
SEPTEMBER 2024

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE CALL SERVICE 811 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
2. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR INTERFERENCE OR DELAY CAUSED BY REPAIRS FOR DAMAGED UTILITIES.
4. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.
6. CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND

7. CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS, AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.
8. SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.
9. STORM SEWERS, CULVERTS, AND DITCHES: CONTRACTOR SHALL MONITOR THE WEATHER AND MAINTAIN STORM WATER FLOW AT ALL TIMES AND SHALL SCHEDULE REMOVALS SUCH THAT WET WEATHER AND RAIN EVENTS WILL NOT CREATE DAMAGING BACKUPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLOW DIVERTING AND/OR BYPASS PUMPING AS NECESSARY TO FACILITATE CONSTRUCTION. THE COST FOR MAINTAINING, DIVERTING, OR PUMP STORM FLOWS SHALL BE INCIDENTAL TO THE PROJECT.
10. CONTRACTOR TO MAINTAIN A MAXIMUM CONSTRUCTION EASEMENT WIDTH OF 24 FEET.

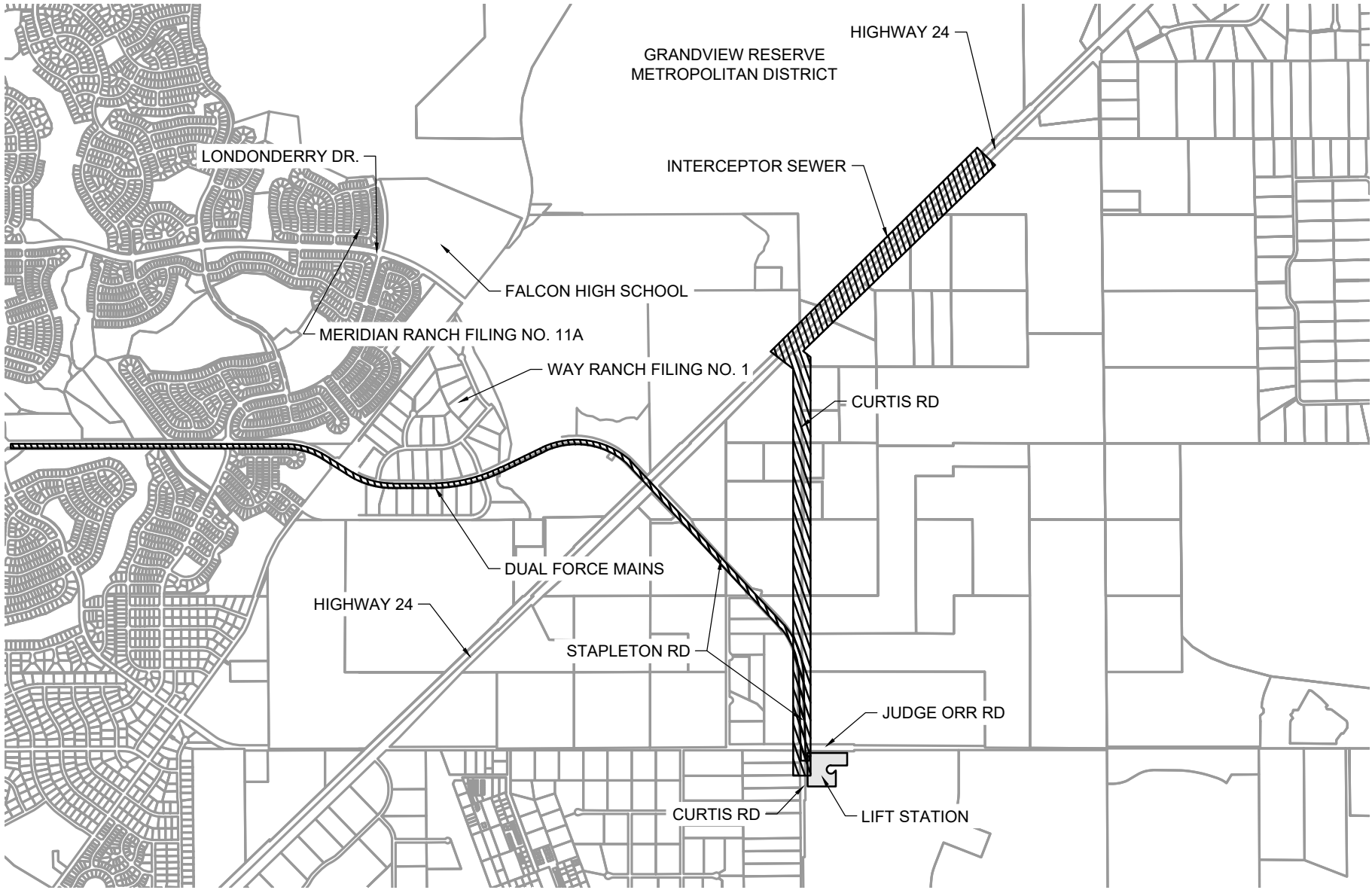
CITY/WHMD/OWNER PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ECT. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

EL PASO COUNTY GRADING AND EROSION CONTROL SHEETS:

1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (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.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL. MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER, SUCH WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY CTL THOMPSON DATED MARCH 14, 2022 AND SHALL BE CONSIDERED A PART OF THESE PLANS.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1500
ATTN: PERMITS UNIT

SEND MUD MAT SPECIFICATION TO MIKAYLA HARTFORD AT
MIKAYLA.HARTFORD@ELPASO.COM TO ENSURE MUD MAT USE IS ACCEPTABLE IN EL PASO COUNTY.



VICINITY MAP
1"=2500'

SHEET INDEX

INITIAL-INTERIM EROSION CONTROL
FINAL EROSION CONTROL
CIVIL DETAILS
CIVIL DETAILS
CIVIL DETAILS

SHEET NO.

C110
C111
C500
C501
C502

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
d. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, 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.
5. 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.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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 FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. 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.

PROJECT CONTACTS:

OWNER/DEVELOPER
D.R. HORTON
9555 S. KINGSTON COURT, SUITE 200
ENGELWOOD, CO 80112
TELE: (303) 488-0061
ATTN: RILEY HILLEN, PE AND BRYAN REID, PE
EMAIL: RHILLEN@DRHORTON.COM AND
BAREID1@DRHORTON.COM

APPLICANT
HR GREEN
5613 DTC PARKWAY | SUITE 950
GREENWOOD VILLAGE, CO 80111
TELE: (720) 602-4999
ATTN: GREGORY PANZA P.E.
EMAIL: GPANZA@HRRGREEN.COM

CIVIL ENGINEER
HR GREEN
5613 DTC PARKWAY | SUITE 950
GREENWOOD VILLAGE, CO 80111
TELE: (720) 602-4999
ATTN: GREGORY PANZA P.E.
EMAIL: GPANZA@HRRGREEN.COM

GEOTECHNICAL ENGINEER
COMPANY: CTL | THOMPSON
ADDRESS: 5170 MARK DABLING BLVD
COLORADO SPRINGS, CO 80918
TELE: (719) 528-8300
ATTN: JEFF JONES
EMAIL: COLORADOSPRINGS@CTLTHOMPSON.COM

TRAFFIC ENGINEER
LSC TRANSPORTATION CONSULTANTS INC.
2504 EAST PIKES PEAK AVENUE, SUITE 304
COLORADO SPRINGS, CO 80909
TELE: 8719) 633-2868
ATTN: JEFFREY C. HODSON, P.E.
EMAIL: LSC@LSCTRANS.COM

SURVEYOR
EDWARD-JAMES SURVEYING, INC.
926 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
TELE: (719) 576-1216
ATTN: JONATHAN W. TESSIN
EMAIL: JTTESSIN@EJSURVEYING.COM

UTILITY CONTACTS

WATER
GRANDVIEW RESERVE METROPOLITAN DISTRICT
1272 KELLY JOHNSON BLVD. SUITE 100
COLORADO SPRINGS, CO 80921
TELE: (719) 499-8416
ATTN: PAUL HOWARD
EMAIL: PAULINFINITY1@MSN.COM

WASTEWATER / WATER
WOODMEN HILLS METRO DISTRICT
8046 EASTONVILLE ROAD
FALCON, CO 80831
TELE: (719) 495-2500
CONTACT: CODY RITTER
EMAIL: CODY@WHMD.ORG

ELECTRIC / FIBER
MOUNTAIN VIEW ELECTRIC ASSOCIATION
11140 E. WOODMEN RD.
FALCON, CO 80831
TELE: (800) 388-9881
ATTN: GINA PERRY
EMAIL: GINA.P@MVEA.COOP

NATURAL GAS
BLACK HILLS ENERGY
198 COUNTY LINE RD.
PALMER LAKE, CO 80133
TELE: (719) 332-5856
ATTN: BOB SWATEK
EMAIL: BOB.SWATEK@BLACKHILLSCORP.COM

FIRE
LSC FIRE PROTECTION DISTRICT
7030 OLD MERIDIAN RD.
FALCON, CO 80831
TELE: (719) 495-4050
ATTN: TRENT HARWIG
EMAIL: THARWIG@FALCONFIREPD.ORG

COMMUNICATIONS
CENTURY LINK
ZAYO
USWEST

APPROVALS:

ENGINEER'S STATEMENT (FOR STANDALONE GEC PLAN):

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

GREG PANZE, P.E.

DATE

FOR AND ON BEHALF OF HR GREEN, INC.

OWNER'S STATEMENT (FOR STANDALONE GEC PLAN):

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

OWNER'S SIGNATURE

DATE

EL PASO COUNTY (STANDALONE GEC PLAN):

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED. II IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JOSH PALMER, P.E.

DATE

COUNTY ENGINEER / ECM ADMINISTRATOR

DRAWN BY: ACH JOB DATE: 7/18/2024
APPROVED: GLP JOB NUMBER: 201662.07
CAD DATE: 9/16/2024
CAD FILE: J:\2020\201662.07\CAD\dwgs\C\lft_Station\Elpaso county_LS_Cover_GESC

BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0 1"
IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



HRGreen.com

D.R. HORTON - GRANDVIEW RESERVE
SANITARY SEWER LIFT STATION
DESIGN & PERMITTING SERVICES
EL PASO COUNTY
PEYTON, CO



EROSION AND GRADING CONTROL PLANS
COVER SHEET

SHEET
TS1 01

PCD# - PPR-24-21

HR GREEN Xrefs: XV-Row; XV-Util; xgl-1-dh01-Ls; XC-Lift-Station; XC-Electrical; XC-Driveway; XC-Util; XC-Dagn; XC-initial-EC; XV-Dagn; Legend; Erosion_Control_Key; 01-DC-San-Fm; XV-Fema; Plug Valve MH

LEGEND

MATCH LINE

PHASE LINE

SECTION LINE

PROPERTY LINE

EASEMENT LINE

ASSUMED EASEMENT

RIGHT OF WAY

CENTERLINE

CHAIN LINK FENCE

WOODEN FENCE

ROD IRON FENCE

GUARDRAIL

CABLE TV

U.G. ELECTRIC

OVERHEAD ELECTRIC

FIBER OPTIC

GAS MAIN

SANITARY SEWER

STORM DRAIN

TELEPHONE

WATER MAIN

SWALE

TRAIL

CURB & GUTTER

DRAINAGE BASIN

INDEX CONTOUR

INTER. CONTOUR

100-YR FLOODPLAIN

FLOODWAY

EDGE OF WETLANDS

EXISTING

PROPOSED

DRAINAGE

DRAINAGE BASIN

BASIN TAG

DESIGN POINT

ASPHALT

GRAVEL

100 YR FLOOD

PENDING
100 YR FLOOD

WETLANDS

BMP LEGEND:

CWA

CONCRETE WASHOUT AREA

CF

CONSTRUCTION FENCE

DD

DIVERSION DITCH

IP

INLET PROTECTION

OP

OUTLET PROTECTION

SF

SILT FENCE

VTC

VEHICLE TRACKING CONTROL

SSA

STABILIZED STAGING AREA

LOC

LIMITS OF CONSTRUCTION/DISTURBANCE

CD

CHECK DAM

SM

SEEDING AND MULCHING

SB

SEDIMENT BASIN

SR

SURFACE ROUGHENING

ECB

EROSION CONTROL BLANKET

CIP

CULVERT INLET PROTECTION

RS

ROCK SOCK

SBB

STRAW BALE BARRIER

STORM SEWER

MANHOLE
STORM INLET
FLARED END SECTION
RIPRAP

SANITARY SEWER

CLEAN OUT
MANHOLE
PLUG

WATER

FIRE HYDRANT
FIRE DEPT. CONNECTION
GATE VALVE
MANHOLE
METER
TEE
REDUCER

DRY UTILITIES

ELECTRIC METER
ELECTRIC PEDESTAL
ELECTRICAL CABINET
ELECTRIC VAULT
FIBER OPTIC PULL BOX
FIBER OPTIC MANHOLE
FIBER OPTIC PEDESTAL
FIBER OPTIC SIGN
FIBER OPTIC VAULT
GAS METER
GAS SIGN
GAS VAULT
TELEPHONE CABINET
TELEPHONE MANHOLE
TELEPHONE SIGNAL/MAST
TELEPHONE SIGN
TELEPHONE PEDESTAL
TRANSFORMER
LIGHT POLE
FIBER OPTIC VAULT

MISCELLANEOUS

SIGN
BOLLARD
ACCESSIBLE PARKING

90% CONSTRUCTION DOCUMENTS

DRAWN BY: BDB

JOB DATE: 9/11/2024

BAR IS ONE INCH ON
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APPROVED: JPF

JOB NUMBER: 201662.07

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CAD DATE: 9/16/2024

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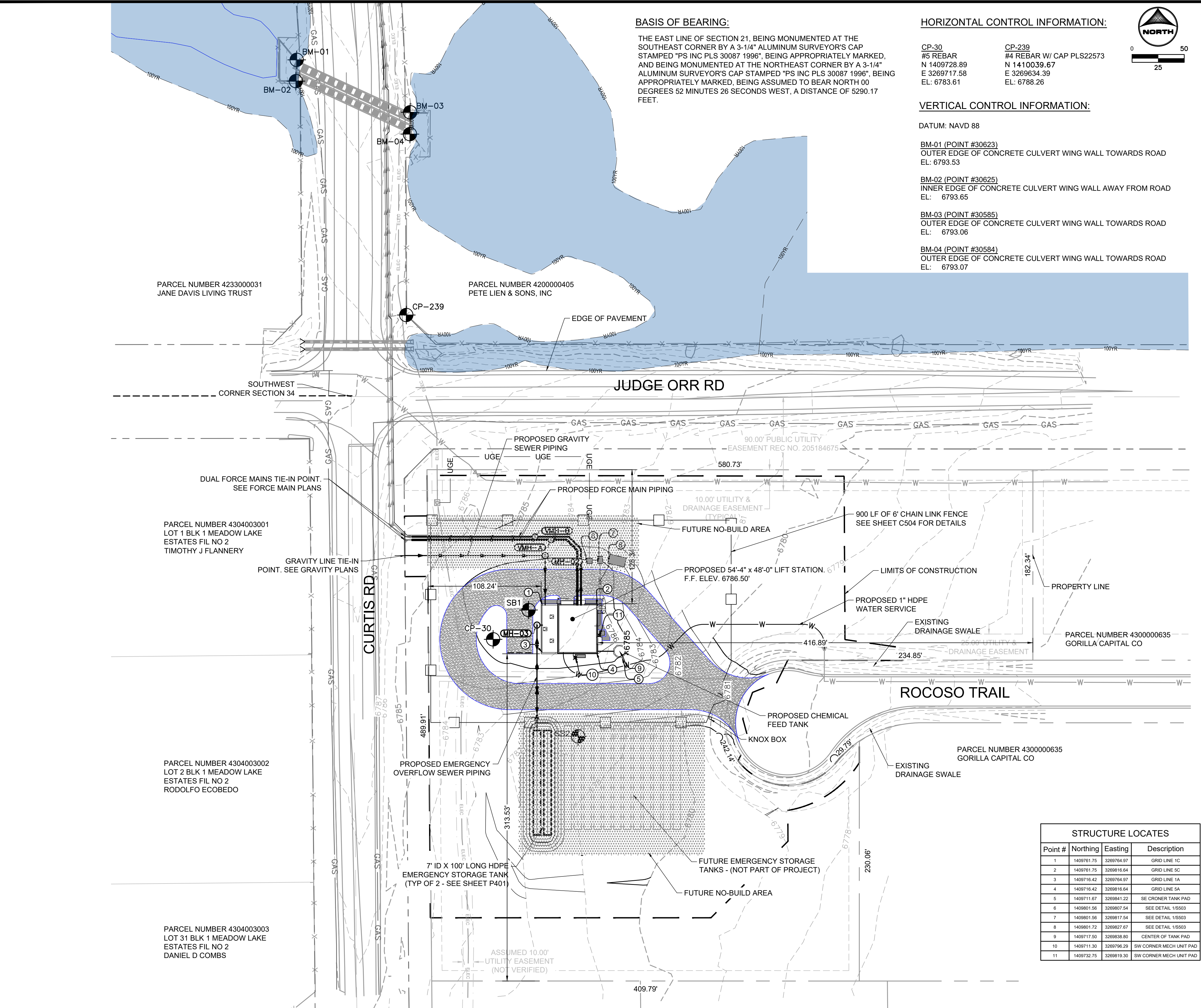
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CIVIL
LEGENDS

COLORADO LICENSED
GREGORY L. PANKA
37081
06-28-2024
PROFESSIONAL ENGINEER

SHEET
C100

HR GREEN Xrefs: XV-Row; XV-Util; xgl-1-dh01-Ls; XC-Lift-Station; XC-Electrical; XC-Driveway; XC-Utility; XC-Dgn; XC-Initial-EC; XV-Dgn; Legend; Erosion_Control_Key; 01-DC-San-Fm; XV-Fema; Plug Valve MH



BASIS OF BEARING:

THE EAST LINE OF SECTION 21, BEING MONUMENTED AT THE SOUTHEAST CORNER BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "PS INC PLS 30087 1996", BEING APPROPRIATELY MARKED, AND BEING MONUMENTED AT THE NORTHEAST CORNER BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "PS INC PLS 30087 1996", BEING APPROPRIATELY MARKED, BEING ASSUMED TO BEAR NORTH 00 DEGREES 52 MINUTES 26 SECONDS WEST, A DISTANCE OF 5290.17 FEET.

HORIZONTAL CONTROL INFORMATION:

CP-30
#5 REBAR
N 1409728.89
E 3269717.58
EL: 6783.61

CP-239
#4 REBAR W/ CAP PLS22573
N 1410039.67
E 3269634.39
EL: 6788.26

VERTICAL CONTROL INFORMATION:

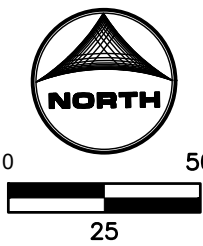
DATUM: NAVD 88

BM-01 (POINT #30623)
OUTER EDGE OF CONCRETE CULVERT WING WALL TOWARDS ROAD
EL: 6793.53

BM-02 (POINT #30625)
INNER EDGE OF CONCRETE CULVERT WING WALL AWAY FROM ROAD
EL: 6793.65

BM-03 (POINT #30585)
OUTER EDGE OF CONCRETE CULVERT WING WALL TOWARDS ROAD
EL: 6793.06

BM-04 (POINT #30584)
OUTER EDGE OF CONCRETE CULVERT WING WALL TOWARDS ROAD
EL: 6793.07



GENERAL NOTES:

- "SCREENED" (LIGHT) DELINEATION SHOWN IN THIS SHEET DENOTES EXISTING CONDITIONS. "SCREENED" INFORMATION WAS TAKEN FROM PREVIOUS CONSTRUCTION DRAWINGS AND FIELD SURVEY, IS FOR REFERENCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF MATERIALS AND BEGINNING CONSTRUCTION. "BOLD" DELINEATION IS NEW WORK TO BE CONSTRUCTED UNDER THIS CONTRACT.
- ALL INFORMATION PROVIDED WAS TAKEN FROM SURVEYS AND/OR EXISTING PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL HORIZONTAL AND VERTICAL INFORMATION BEFORE BEGINNING ANY WORK.
- CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN EXISTING LEVEL OF SECURITY AT SITE AT ALL TIMES.
- OWNER IS NOT RESPONSIBLE FOR SECURED/UNSECURED STORED MATERIALS STORED ON SITE.
- ALL WORK INVOLVED IN THIS PROJECT SHALL BE CONSTRUCTED ON DEVELOPER OWNED LAND, EL PASO COUNTY OWNED RIGHT-OF-WAY, OR ON EASEMENTS OBTAINED BY THE DEVELOPER. CONTRACTOR SHALL RESTRICT CONSTRUCTION OPERATIONS TO WITHIN THE DESIGNATED RIGHT-OF-WAY OR CONSTRUCTION EASEMENTS. ACCESS TO ALL WORK AREAS SHALL BE BY ACCESS EASEMENTS DEFINED ON DRAWINGS. NO MATERIALS, EXCAVATED MATERIAL, OR MATERIAL, OR EQUIPMENT SHALL BE STORED ON, PARKED ON, DEPOSITED ON, OR DRIVEN OVER ANY PRIVATE PROPERTY UNLESS WRITTEN AUTHORIZATION IS OBTAINED FROM THE PROPERTY OWNER BY THE CONTRACTOR. A COPY OF SUCH WRITTEN AGREEMENT SHALL BE PROVIDED TO THE CITY AND THE ENGINEER. UPON COMPLETION, CONTRACTOR SHALL PROVIDE TO THE CITY AND THE ENGINEER A WRITTEN RELEASE SIGNED BY THE PROPERTY OWNER.
- CONTRACTOR SHALL MEASURE, RECORD, AND SUBMIT RECORD DRAWINGS AS REQUIRED IN CLOSEOUT SUBMITTALS SPECIFICATION SECTION. ADDITIONALLY, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ENGINEER DURING CONSTRUCTION AND SHALL PROVIDE ACCESS TO ALL UTILITIES PRIOR TO BEING BURIED; ALLOWING ACCURATE HORIZONTAL AND VERTICAL MEASUREMENTS TO BE ACQUIRED BY THE ENGINEER OR OWNER'S SURVEYOR. IN THE EVENT OF ANY DISCREPANCIES IDENTIFIED BY WOODMENHILLS METROPOLITAN DISTRICT (WHMD) AND AT NO COST TO WHMD, THE CONTRACTOR SHALL VERIFY THE LOCATION AND MEASUREMENTS OF ANY BURIED UTILITIES.
- THE CONTRACTOR SHALL VIDEO RECORD THE ENTIRE PROJECT PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS. THE CONTRACTOR SHALL PROVIDE ONE COPY TO THE OWNER AND ONE COPY TO THE ENGINEER PRIOR TO PROCEEDING WITH ANY FIELD WORK.
- 2023 WHMD WATER AND WASTEWATER STANDARD SPECIFICATIONS SHALL APPLY TO THIS PROJECT.
- TYPICAL WHMD STANDARDS AND SPECIFICATIONS ARE CALLED OUT PERIODICALLY THROUGHOUT PROJECT DOCUMENTS TO PROVIDE CLARIFICATION TO THE WHMD STANDARD SPECIFICATIONS OR FOR CONTRACTOR REFERENCE. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE WHMD STANDARD SPECIFICATIONS. WHMD REFERENCE CALLOUTS DO NOT NEGATE CONTRACTOR FROM FOLLOWING ANY WHMD SPECIFICATIONS NOT EXPLICITLY CALLED OUT IN PROJECT DRAWINGS.
- CONTRACTOR SHALL CONTACT THE PRINCIPAL INSPECTOR 24 HOURS BEFORE BEGINNING CONSTRUCTION. CONTACT INFORMATION WILL BE PROVIDED AT THE PRECONSTRUCTION MEETING.
- TEMPORARY FENCING: CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION FENCE AND PEDESTRIAN PROTECTION IN CONFORMANCE WITH THE INTERNATIONAL BUILDING CODE FOR THE DURATION OF THE PROJECT. PROVIDE TEMPORARY FENCING AROUND ANY OPEN EXCAVATION DURING CONSTRUCTION TO PROHIBIT UNAUTHORIZED ENTRANCE. FENCES SHALL BE CLOSED AT NIGHT. TEMPORARY FENCE MINIMUM 6' TALL CHAIN LINK.
- DURING REMOVAL AND CONSTRUCTION THE CONTRACTOR SHALL USE ALL MEANS NECESSARY TO CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS. DUST CONTROL MEASURES SHALL BE IN ACCORDANCE WITH COLORADO SPRINGS STORMWATER ENTERPRISE (SWENT) STORMWATER CONSTRUCTION MANUAL, BE APPROVED BY THE ENGINEER AND SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- CONTRACTOR RESPONSIBLE TO CLEAN ALL TRACKED DIRT FROM PAVED SURFACES AT END OF EACH WORK DAY. CONTRACTOR RESPONSIBLE TO SWEEP HAUL AND STAGING ROUTE AS NECESSARY TO KEEP CLEAR OF DIRT AND DEBRIS. WATER SHALL BE USED DURING STREET SWEEPING EXCEPT DURING FREEZING CONDITIONS.
- THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLANS REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.
- EXISTING CONDITION FOR THE PROPOSED PROJECT SITE WAS NATIVE GRASS WITH NO EXISTING BUILDINGS.
- TRAFFIC PATTERNS FOR PROJECT SITE WILL BE FOR MAINTENANCE AS REQUIRED.
- NO ADDITIONAL SIGNS ARE ANTICIPATED FOR THE PROPOSED PROJECT SITE.
- ONSITE PARKING WILL BE FOR MAINTENANCE ONLY, ADA PARKING SPACES WILL NOT BE LOCATED AT THE LIFT STATION AS IT WILL NOT BE ACCESSIBLE TO THE PUBLIC.
- GARBAGE RECEPTACLES WILL NOT BE PRESENT. SITE WILL BE UNMANNED UNLESS MAINTENANCE IS REQUIRED.

STRUCTURE LOCATES			
Point #	Northing	Eastng	Description
1	1409761.75	3269764.97	GRID LINE 1C
2	1409761.75	3269816.64	GRID LINE 5C
3	1409716.42	3269764.97	GRID LINE 1A
4	1409716.42	3269816.64	GRID LINE 5A
5	1409711.67	3269841.22	SE CRONER TANK PAD
6	1409801.56	3269807.54	SEE DETAIL 1/RS03
7	1409801.56	3269817.54	SEE DETAIL 1/RS03
8	1409801.72	3269827.67	SEE DETAIL 1/RS03
9	1409717.50	3269838.80	CENTER OF TANK PAD
10	1409711.30	3269796.29	SW CORNER MECH UNIT PAD
11	1409732.75	3269819.30	SW CORNER MECH UNIT PAD

90% CONSTRUCTION DOCUMENTS

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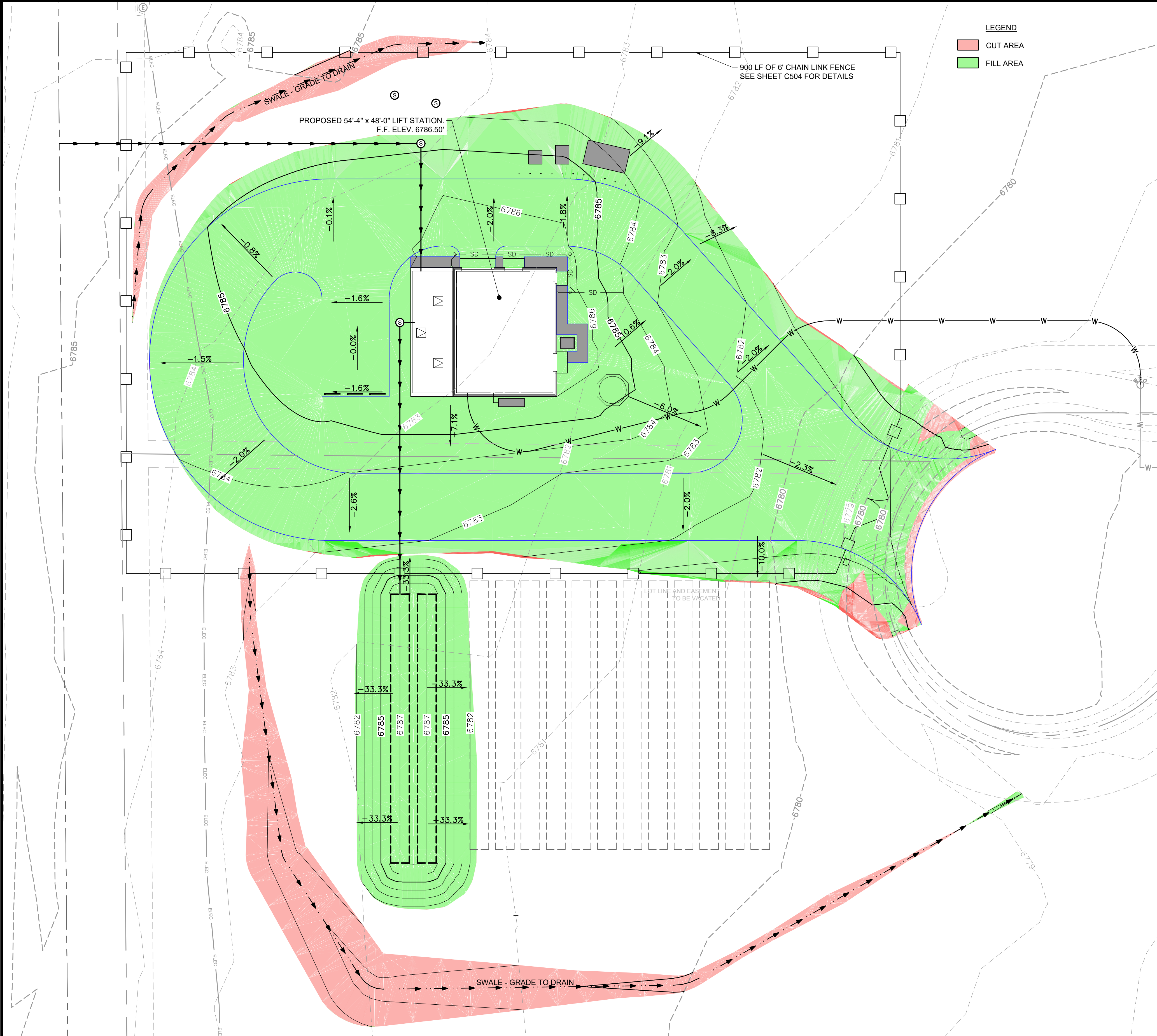


CIVIL
SITE PLAN



SHEET
C101

HR GREEN Xrefs: XC-Drwg; XC-Electrical; XC-Lift-Station; XC-Utit; XV-Row; XV-Utit; xgt-1-ph01-Ls; XC-Initial-EC



- GENERAL NOTES:**
- (GENERAL NOTES CONTAIN EXCERPTS FROM THE GEOTECHNICAL REPORT THAT ARE IN NO WAY MEANT TO RELIEVE CONTRACTOR FROM INFORMATION CONTAINED IN THE GEOTECHNICAL REPORT.)
- REFER TO SHEET S.000 FOR ADDITIONAL GEOTECHNICAL REQUIREMENTS.
 - CONTRACTOR SHALL COMPLY WITH SPECIFICATION SECTION 31 5000 FOR SUPPORTS AND PROTECTION.
 - CONTRACTOR SHALL COMPLY WITH TECHNICAL SPECIFICATIONS AND WOODMENHILLS METROPOLITAN DISTRICT WATER AND WASTEWATER STANDARD SPECIFICATIONS FOR DEWATERING, GRADING, EXCAVATION, FILL AND BACKFILL, AND TRENCHING. SEE GEOTECHNICAL INVESTIGATION REPORT FOR EARTHWORK RECOMMENDATIONS. INSTALL EARTHWORK ACCORDING TO WOODMENHILLS METROPOLITAN DISTRICT WATER AND WASTEWATER STANDARD SPECIFICATIONS AND RECOMMENDATIONS FROM THE GEOTECHNICAL INVESTIGATION REPORT.
 - WATER LEVELS WERE OBSERVED WITHIN THE DEPTHS OF PLANNED EXCAVATION FOR THE PROPOSED STRUCTURES. DEWATERING WILL BE REQUIRED WHERE SEEPAGE IS ENCOUNTERED. GROUNDWATER LEVELS SHOULD BE MAINTAINED AT LEAST TWO FEET BELOW BOTTOM OF EXCAVATION UNTIL FOUNDATION SLABS ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING APPROPRIATE DEWATERING METHODS TO CONTROL SEEPAGE INTO THE EXCAVATION. SEE GEOTECHNICAL REPORT AND SPECIFICATION SECTION 31 2319 FOR MORE INFORMATION ON DEWATERING.
 - IN AREAS TO ACCEPT FILL, THE TOP 12 INCHES OF THE GROUND SURFACE SHALL BE SCARIFIED AND COMPACTED TO ELIMINATE A PLANE OF WEAKNESS ALONG THE CONTACT SURFACE. EACH LIFT PLACED ABOVE THE FOUNDATION LEVEL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE SOIL'S STANDARD PROCTOR DENSITY (ASTM D698). THE MOISTURE CONTENT OF THE COHESIVE SOILS SHOULD BE MAINTAINED WITHIN A RANGE OF 0 PERCENT BELOW TO 4 PERCENT ABOVE THE MATERIALS STANDARD PROCTOR OPTIMUM MOISTURE CONTENT.
 - GENERAL FILL MATERIAL TO COMPLY WITH WOODMENHILLS METROPOLITAN DISTRICT WATER AND WASTEWATER STANDARD SPECIFICATIONS AND SHALL BE FREE OF FOREIGN SUBSTANCE, DEBRIS, LARGE STONES, ROCKS, ROOTS, ORGANIC OR FROZEN MATERIAL, EXPANSIVE MATERIAL AND OTHER DELETERIOUS MATERIALS. UNSUITABLE SOILS SHALL BE DISPOSED OF BY THE CONTRACTORS.
 - FILL SHALL NOT BE FROZEN AND SHALL NOT BE PLACED ON A FROZEN SURFACE. ALL COHESIVE SOILS USED AS FILL AT THIS SITE SHALL HAVE A MAXIMUM LIQUID LIMIT OF 45 AND A MAXIMUM PLASTICITY INDEX OF 20.
 - ENSURE THAT PREVIOUSLY COMPACTED LIFTS ARE SCARIFIED 2 INCHES DEEP PRIOR TO COMPACTING THE NEXT LIFT.
 - REMOVE, STOCKPILE, AND REPLACE NATIVE MATERIAL 8 INCHES (TOP SOIL) BELOW EXISTING SURFACE FOR ALL AREAS DISTURBED (NOT SURFACED WITH GRAVEL, RIPRAP, OR OTHER DESIGNATED MATERIALS) WITHIN THE LIMITS OF CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR TOPSOIL OR MATERIAL THAT THE CONTRACTOR NEEDS TO IMPORT FROM OFFSITE.
 - SITE GRADING SHALL PROVIDE FOR POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND FOUNDATIONS UNLESS NOTED OTHERWISE.

SITE DATA:

PARCEL: 4300000635
PROPERTY ADDRESS: 14830 ROCOSO TRAIL
EXISTING ZONING: RR-2.5
PARCEL SIZE: 326.51 ACRES

LEGAL DESCRIPTION: A PARCEL OF LAND LOCATED IN SECTION 3, TOWNSHIP 13 SOUTH, RANGE 64 WEST OF THE 6TH PM, COUNTY OF EL PASO, STATE OF COLORADO.

EXISTING LAND USE: UNDEVELOPED/NATURAL CONDITIONS
LOT AREA: 5.04 ACRES
BUILDING AREA: 2,732.43 SF
PARKING WILL BE FOR MAINTENANCE ONLY
OPEN SPACE: 35.4%
LANDSCAPING: 54.4%
IMPERMEABLE SURFACE AREA: 10.2%

THE OWNER AGREES ON BEHALF OF HIM/HERSELF AND ANY DEVELOPER OR BUILDER SUCCESSORS AND ASSIGNEES THAT SUBDIVIDER AND/OR SAID SUCCESSORS AND ASSIGNS SHALL BE REQUIRED TO PAY TRAFFIC IMPACT FEES IN ACCORDANCE WITH THE RESOLUTION (RESOLUTION NUMBER 19-471), OR ANY AMENDMENTS THERETO, AT OR PRIOR TO THE TIME OF BUILDING PERMIT SUBMITTALS. THE FEE OBLIGATION, IF NOT PAID AT FINAL PLAT RECORDING, SHALL BE DOCUMENTED ON ALL SALES DOCUMENTS AND ON PLAT NOTES TO ENSURE THAT THE TITLE SEARCH WOULD FIND THE OBLIGATION BEFORE SALE OF THE PROPERTY.

90% CONSTRUCTION DOCUMENTS

DRAWN BY: ACH JOB DATE: 9/4/2024
APPROVED: JF JOB NUMBER: 201662.07
CAD DATE: 9/16/2024
CAD FILE: J:\2020\201662.07\CAD\DWGs\C\Lift_Station\Ls_Grading_Plan

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CIVIL
SITE GRADING PLAN



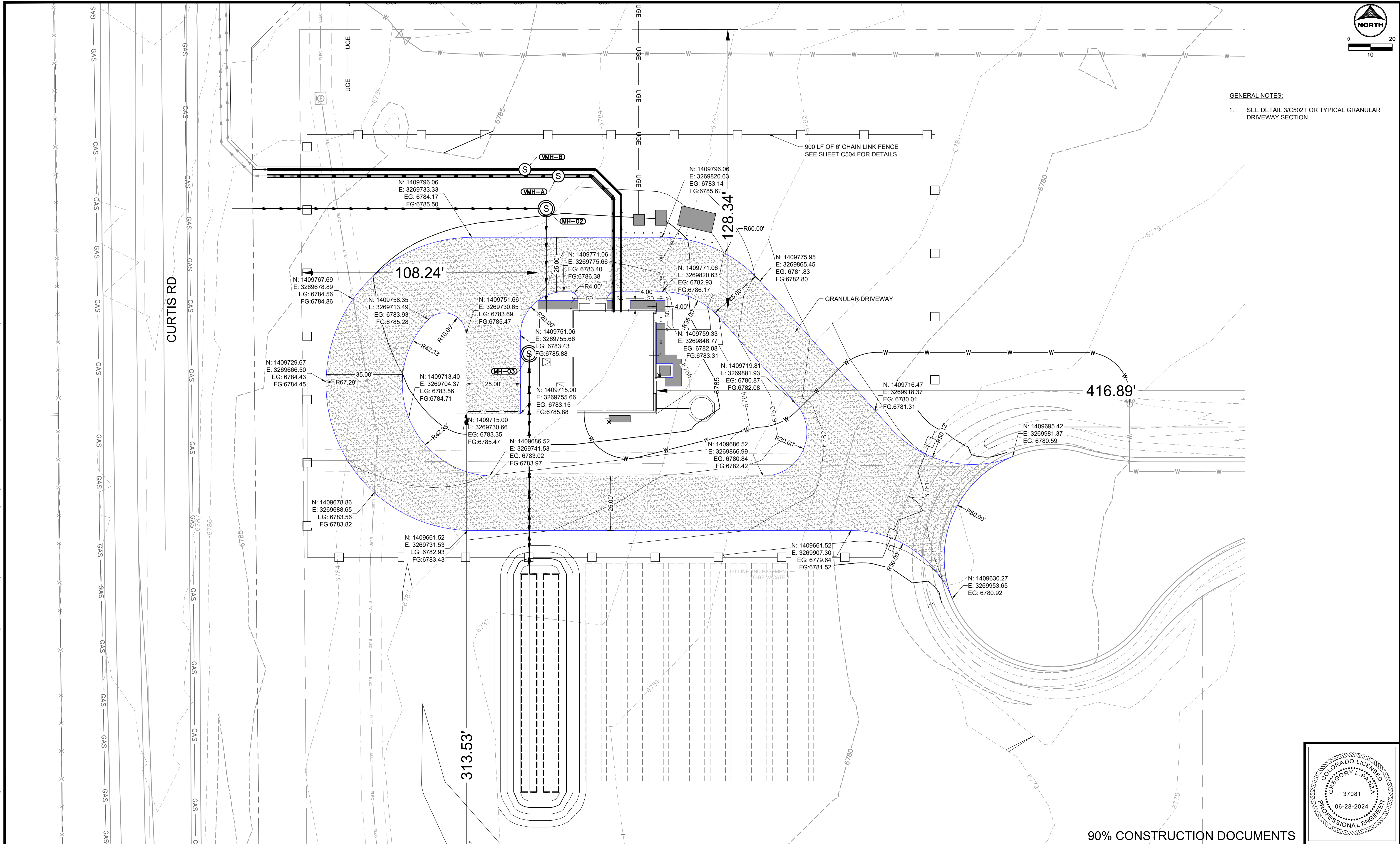
SHEET
C102



GENERAL NOTES:

1. SEE DETAIL 3/C502 FOR TYPICAL GRANULAR DRIVEWAY SECTION.

HR GREEN Xrefs: XV-Row; XV-Util; xgl-1-dh01-Ls; XC-Lift-Station; XC-Electrical; XC-Driveway; XC-Util; XC-Dgn; XC-Initial-EG; XV-Dgn; Legend; Erosion_Control_Key; 01-DC-San-Fm; XV-Fema; Plug Valve MH



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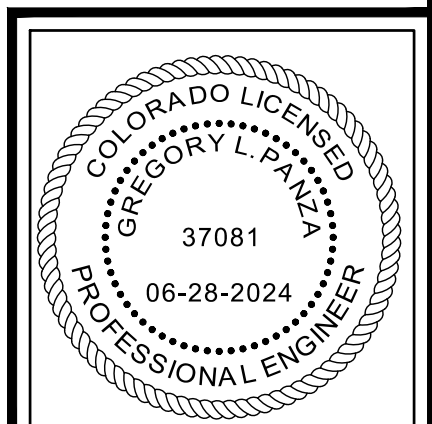
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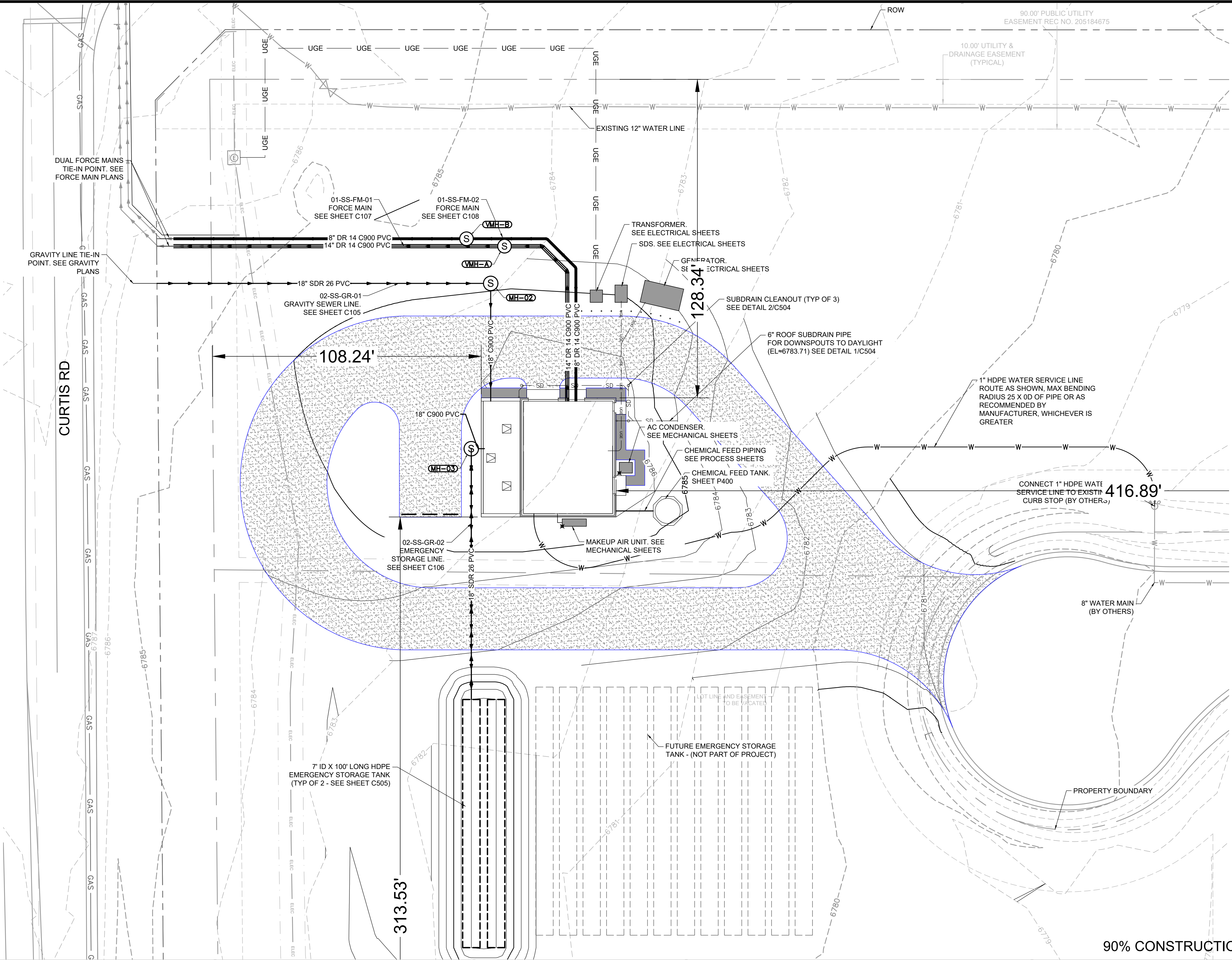


CIVIL
SITE DRIVEWAY PLAN



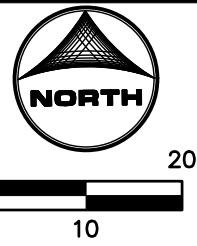
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HR GREEN Xrefs: XV-Row; XV-Utit; xgl-1-dh01-Ls; XC-Lift-Station; XC-Electrical; XC-Driveway; XC-Utit; XC-Dagn; XC-Initial-EC; XV-Dagn; Legend; Erosion_Control_Key; 01-DC-San-Fm; XV-Fema; Plug Valve MH



GENERAL NOTES:

- SEE G.002 FOR WOODMEN HILLS WATER AND WASTEWATER SYSTEM STANDARDS AND INSTALLATION NOTES.
- SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL WATER AND WASTEWATER SPECIFICATIONS.



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CIVIL
YARD PIPING PLAN



SHEET
C104

Grandview Lift Station - SDP - Submittal 1 Comment Response

Page Label	Comments	Author	Date	HR Green Response
10	PPR-24-21	CDurham	7/24/2024	Added
10	Change to Josh Palmer	CDurham	7/24/2024	Changed
10	<p>Please include:</p> <ul style="list-style-type: none"> -Zoning -Parcel number -Legal description -Parcel size -Lot area coverage calculation -Existing/proposed land use and zoning -Total gross building square footage -Open space, landscaping, and impermeable surface percentage -A note stating: The owner agrees on behalf of him/herself and any developer or builder successors and assignees that Subdivider and/or said successors and assigns shall be required to pay traffic impact fees in accordance with the El Paso County Road Impact Fee Program Resolution (Resolution No. 19-471), or any amendments thereto, at or prior to the time of building permit submittals. The fee obligation, if not paid at final plat recording, shall be documented on all sales documents and on plat notes to ensure that a title search would find the fee obligation before sale of the property. -Parking computations 	ashmathy	7/30/2024	<p>Data added to Site Grading Plan sheet (C102).</p> <p>Note: open space was considered area within the property boundary that was outside the limits of disturbance.</p>

Grandview Lift Station - SDP - Submittal 1 Comment Response

Page Label	Comments	Author	Date	HR Green Response
C101	<p>Please include:</p> <ul style="list-style-type: none"> -Setback distances of all structures to all property lines -Traffic circulation into and off the property -Location and dimensions of all existing and proposed signs, if none, please specify -Footprint of all existing buildings -Dimensions of property lines -Location of easements -Layout of parking and dimensions of parking spaces -Location of all ADA spaces -Location of all no-build areas, floodplain, drainageways and facilities -Location of all garbage receptacles with a graphical depiction of the screening mechanism -Location of all existing and proposed utility lines and associated infrastructure 	ashmathy	7/30/2024	Acknowledged. Distances and dimensions were added to the SDP. Notes 15-19 were added to the SDP sheet to address parking, existing conditions, signs, and garbage receptacles.