

GRANDVIEW FILING 2 WATER AND WASTEWATER CONSTRUCTION DOCUMENTS

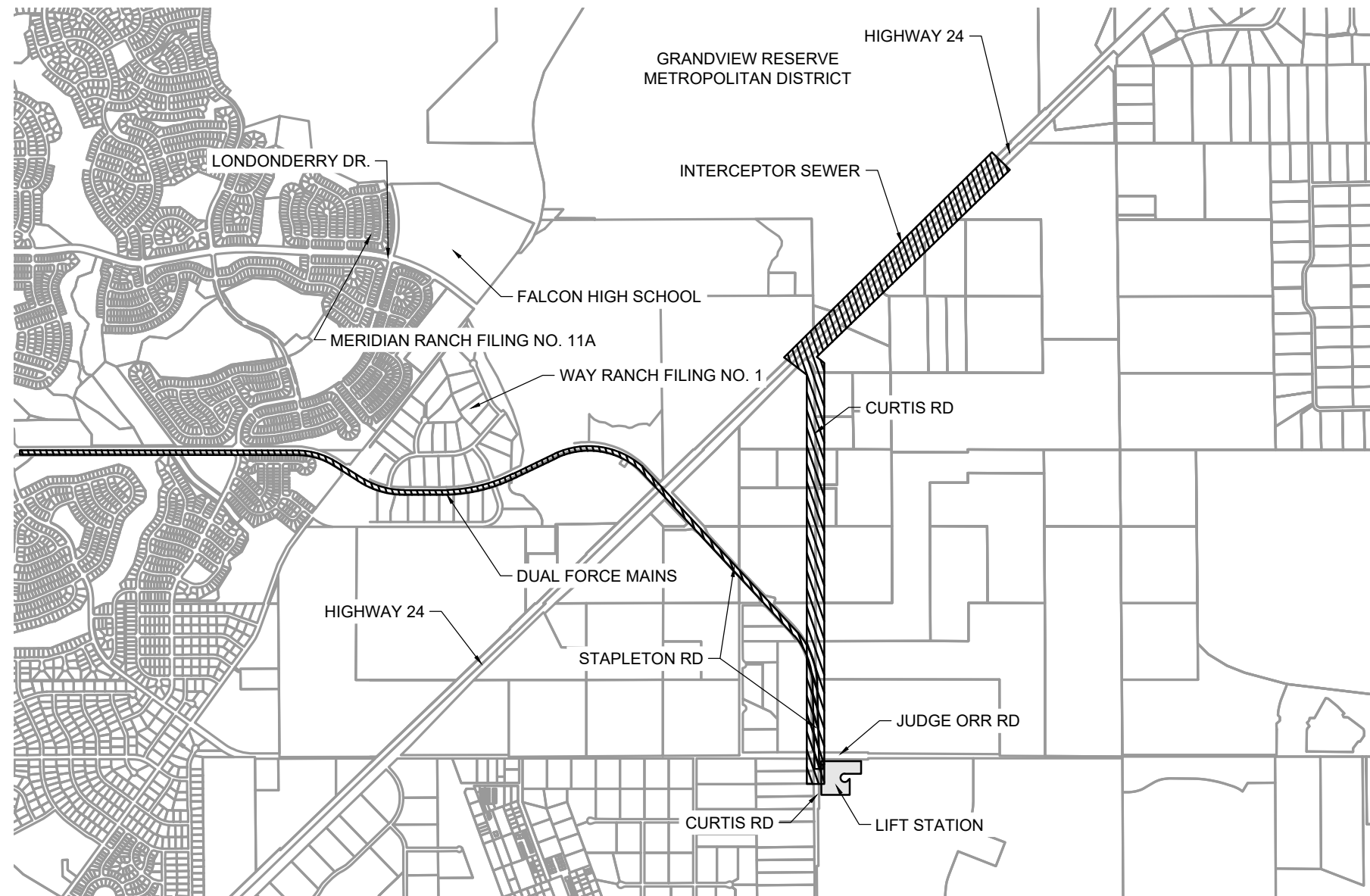
COUNTY OF EL PASO, STATE OF COLORADO

SITE DEVELOPMENT PLAN

SEPTEMBER 2024

GENERAL CONSTRUCTION NOTES:

- CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE CALL SERVICE 811 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
- 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.
- NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR INTERFERENCE OR DELAY CAUSED BY REPAIRS FOR DAMAGED UTILITIES.
- 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 POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.
- CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND 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.
- 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.
- 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.
- 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.
- CONTRACTOR TO MAINTAIN A MAXIMUM CONSTRUCTION EASEMENT WIDTH OF 24 FEET.



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:

- 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 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).
- 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 PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) - 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 FLOODPLAIN 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 PCD. 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 PCD 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. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- 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.

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.

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@HRGREEN.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@HRGREEN.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: (719) 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: JTSSIN@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
FALCON 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.
IT IS 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

PCD# - PPR-24-21

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APPROVED: GLP	JOB NUMBER: 201662.07	0 1" ADJUST SCALE ACCORDINGLY.
CAD DATE: 12/19/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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NO.	DATE	BY	REVISION DESCRIPTION
1	11/19/24		

HRGreen HRGreen.com

D.R. HORTON - GRANDVIEW RESERVE
SANITARY SEWER LIFT STATION
DESIGN & PERMITTING SERVICES

D.R. HORTON
America's Builder

EROSION AND GRADING CONTROL PLANS
COVER SHEET

SHEET
TS1 01

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

LEGEND

	EXISTING	PROPOSED			
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					
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

	EXISTING	PROPOSED
MANHOLE		
STORM INLET		
FLARED END SECTION		
RIPRAP		

SANITARY SEWER

	EXISTING	PROPOSED
CLEAN OUT		
MANHOLE		
PLUG		

WATER

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

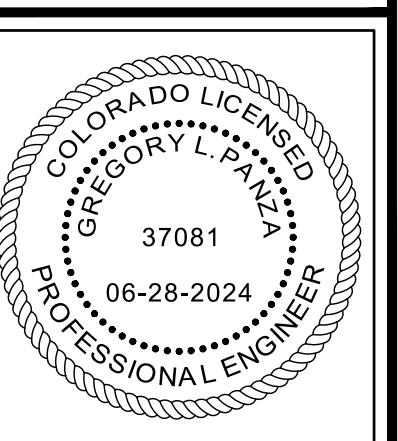
DRY UTILITIES

	EXISTING	PROPOSED
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

	EXISTING	PROPOSED
SIGN		
BOLLARD		
ACCESSIBLE PARKING		

90% CONSTRUCTION DOCUMENTS



DRAWN BY: BDB	JOB DATE: 9/11/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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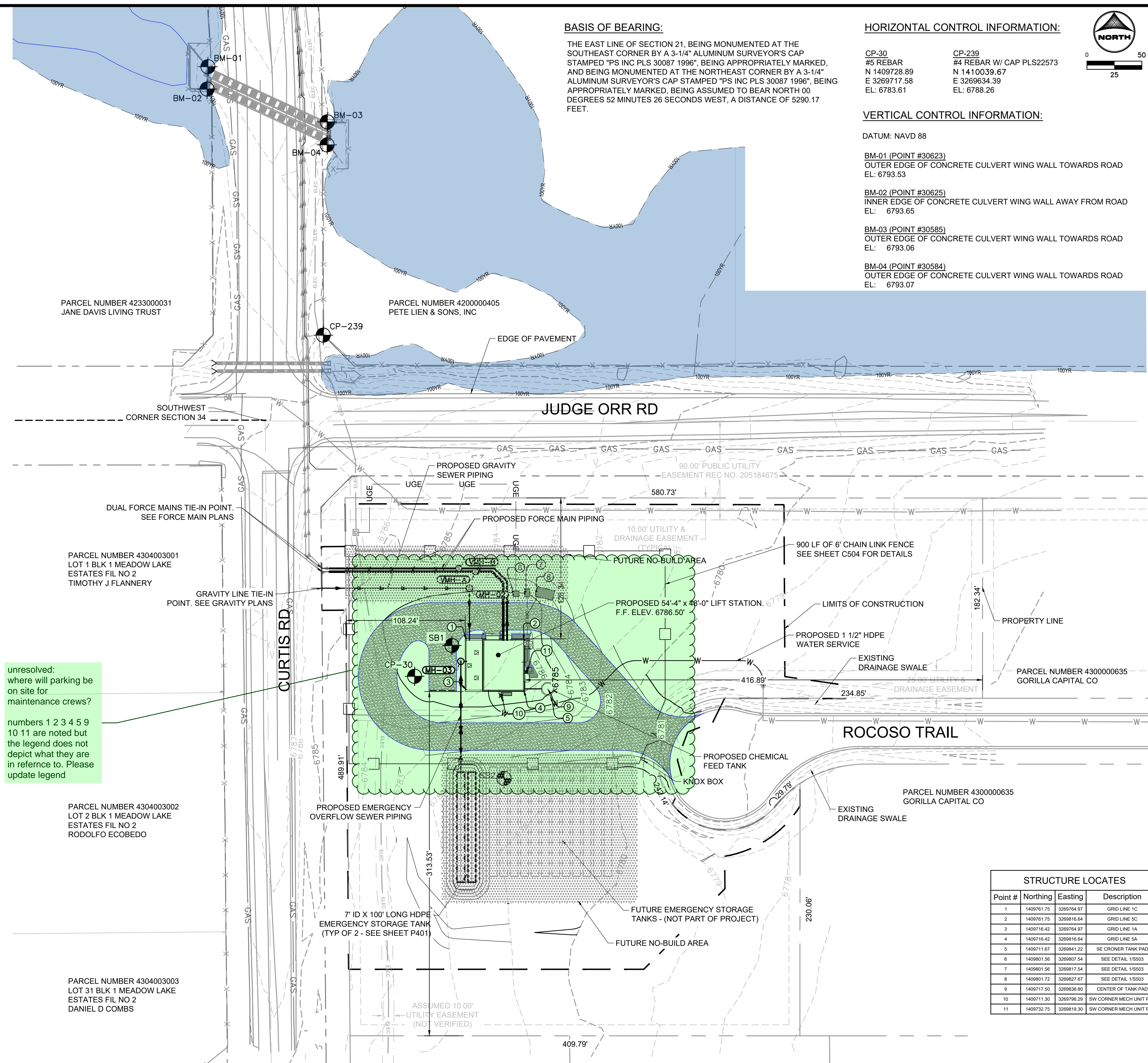
D.R. HORTON - GRANDVIEW RESERVE
SANITARY SEWER LIFT STATION
DESIGN & PERMITTING SERVICES
EL PASO COUNTY
PEYTON, CO



CIVIL
LEGENDS

SHEET
C100

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



BASIS OF BEARING:

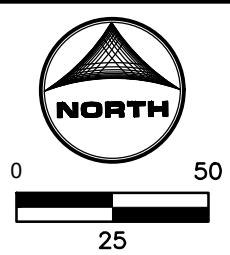
THE EAST LINE OF SECTION 21, BEING MONUMENTED AT THE SOUTHEAST CORNER BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "PS INC PLS 30087 1996", BEING APPROPRIATELY MARKED, AND BEING MONUMENTED AT THE NORTHEAST CORNER BY A 3-1/4" ALUMINUM SURVEYOR'S CAP STAMPED "PS INC PLS 30087 1996", BEING APPROPRIATELY 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.
- 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.

unresolved:
 where will parking be on site for maintenance crews?
 numbers 1 2 3 4 5 9 10 11 are noted but the legend does not depict what they are in reference to. Please update legend

STRUCTURE LOCATES

Point #	Northing	Easting	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	SEE CROKER TANK PAD
6	1409801.56	3269807.54	SEE DETAIL 1/SS03
7	1409801.56	3269817.54	SEE DETAIL 1/SS03
8	1409801.72	3269827.67	SEE DETAIL 1/SS03
9	1409711.50	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

NOTES:

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN 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.



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DRAWN BY: BDB JOB DATE: 12/19/2024
 APPROVED: JPF JOB NUMBER: 201662.07
 CAD DATE: 12/19/2024
 CAD FILE: J:\2020\201662.07\CAD\Drawings\Civil_Station\LS_Civil

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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NO.	DATE	BY	REVISION DESCRIPTION

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CIVIL
 SITE PLAN

SHEET
 C101

HR GREEN Xrefs: XC-Dwg; XC-Driveway; XC-Electrical; XC-Lift-Station; XC-Utit; XY-Row; XV-Util; 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.

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0" = 10' - 0"

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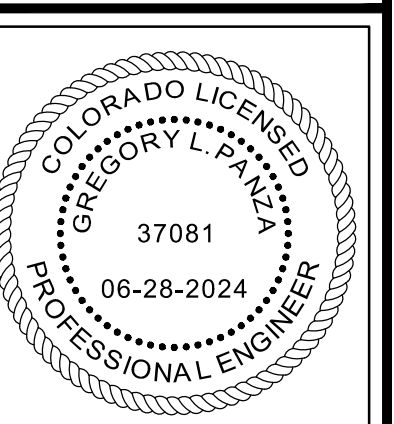
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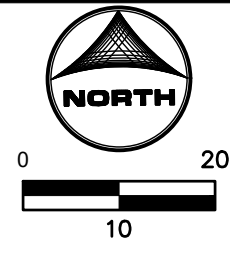
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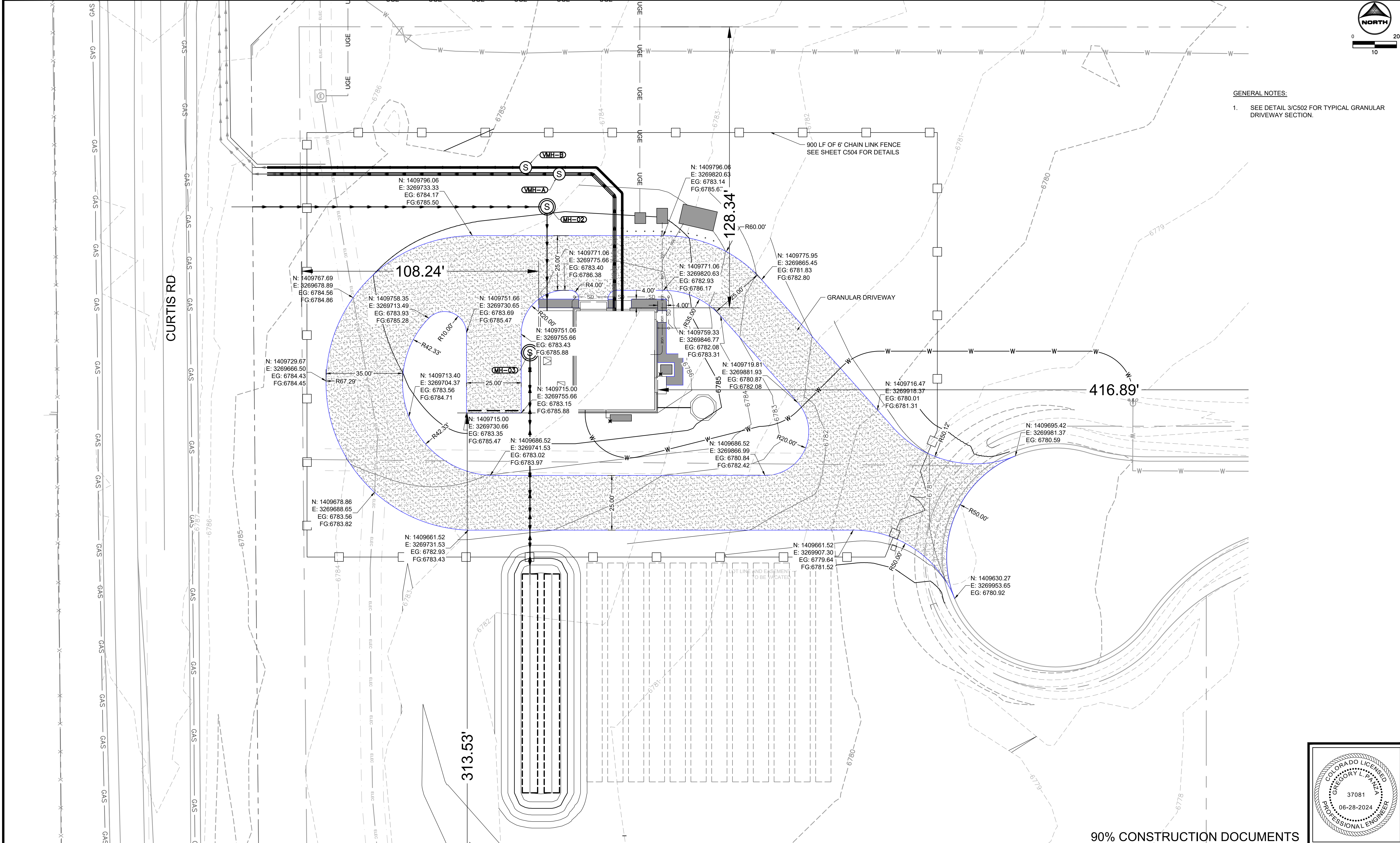
CIVIL
 SITE GRADING PLAN



SHEET
 C102



- GENERAL NOTES:**
- SEE DETAIL 3/C502 FOR TYPICAL GRANULAR DRIVEWAY SECTION.



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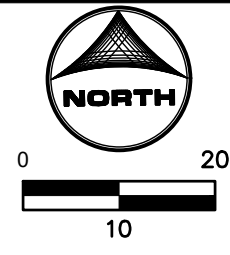
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 SITE DRIVEWAY PLAN

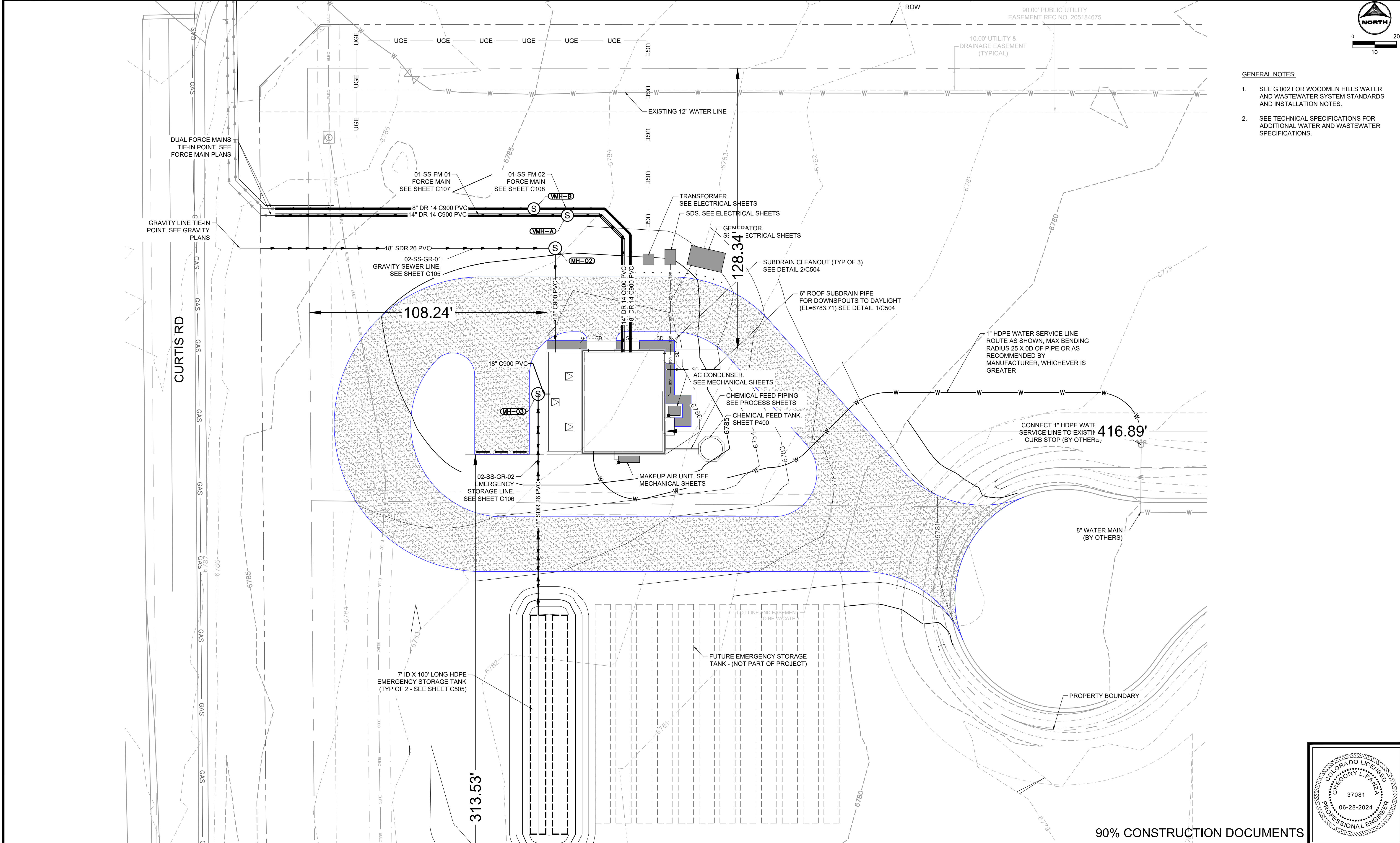


SHEET
C103

HR GREEN Xrefs: XV-Row; XV-Util; xgl-1-dh01-Ls; XC-Lift-Station; XC-Electrical; XC-Driveway; XC-Util; XC-Degr; XC-Initial-EG; XV-Degr; 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.



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

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SHEET
C104

Comment response for SITE DEVELOPMENT PLAN

Page No	Comments	Response
1	incorrect document - this is a SDP not a grading document	Cover sheet updated
1	<p>Unresolved Version 1 SDP:</p> <p>Please include: -File Number : PPR2421 -Parking computations (how many spots and where are they)</p> <p>What is shown on pg 4 must be moved to the first page, and be titled correctly</p>	<p>File Number is addredy added in the Right lower corner of the cover sheet.</p> <p>Parking will not be provided as this is not an occupied building. Check page 3 General Notes point 17.</p> <p>Site data moved to cover page and title has been changed.</p>
3	where are current signs?	Point 17 is removed
3	<p>Please include: -Footprint of lift station -Layout of parking and dimensions of parking spaces</p>	<p>#Foot print is already given as a leader text.</p> <p>#Parking will not be provided. Check page 3 General Notes point 17</p>
3	<p>The following note should be added to all site development plans or non-residential site plans, as applicable, prior to PCD approval: The parties responsible for this plan have familiarized themselves with all current accessibility criteria and specifications and the proposed plan 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.</p>	Note added