

CHEROKEE METROPOLITAN DISTRICT

LIFT STATION NO. 1 ADDITIONS

6657 E PLATTE AVE, PARCEL NO. 5418000080

COLORADO SPRINGS, COLORADO

SITE DEVELOPMENT PERMIT: PPR-2254

FILE NO.: PPR-2254

CONTACTS

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FEBRUARY 2023

PREPARED UNDER THE SUPERVISION OF

JVA, Inc.

DRAWING INDEX

SHEET NO.	TITLE
CO.0	COVER SHEET
CO.1	LEGEND, NOTES, AND ABBREVIATIONS
CL1.0	LANDSCAPE PLAN

LEGAL DESCRIPTION:

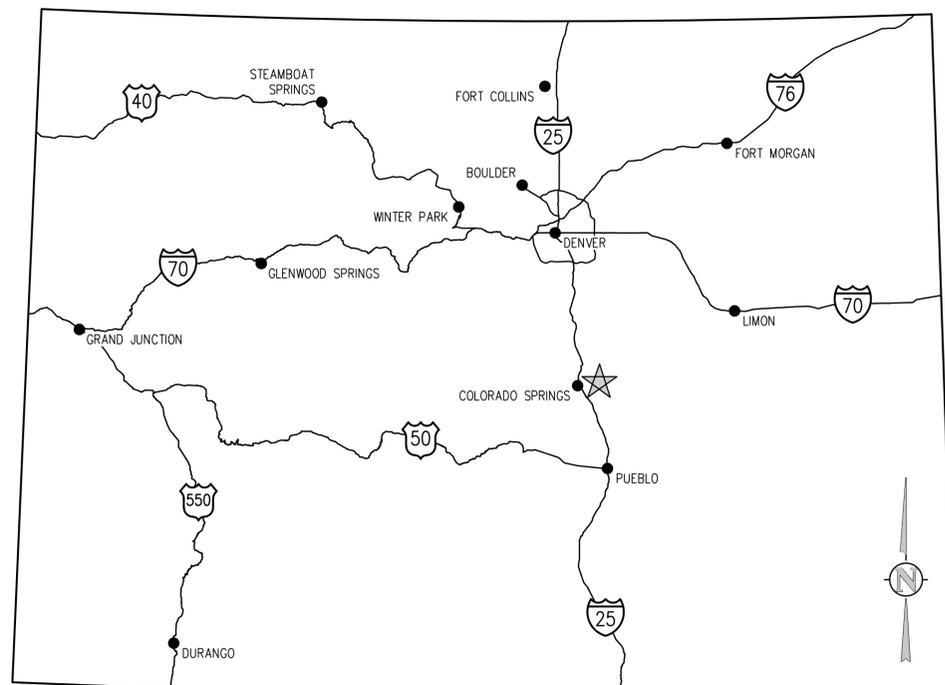
THAT PT W2NE2 SEC 18-14-65 DESC AS FOLS: COM AT N4 COR SD SEC 18, TH S 00<46'48" W 1315.50 FT TO NW COR OF TR DESC BY BK (5309-530) & POB, TH S 89<45'21" E 331.20 FT TO SWLY COR OF TR DESC BY REC 212137112, TH N 00<46'59" E 129.52 FT, N 26<10'54" E 873.59 FT, TH ALG ARC OF CUR TO THE R HAVING A RAD OF 3452.20 FT A C/A OF 6<33'34" AN ARC DIST OF 395.22 FT, TH N 32<44'28" E 9.33 FT TO A PT ON THE SLY R/W LN O US HWY 24, TH S 89<55'03" E 296.95 FT TO NW COR OF TR DESC BY BK (3156-91), TH CONT S 89<55'03" E 127.67 FT TO A PT ON E LN W2NE4 SD SEC 18 & NE COR OF TR DESC BY BK (3156-91), TH S 00<47'32" W 2317.14 FT TO A PT ON N LN OF TR C DESC BY REC 206167022, TH 88<51'08" W 1259.94 FT, S 39<23'57" W 103.54 FT, TH N 00<46'48" E 1108.57 TO POB

ZONING:

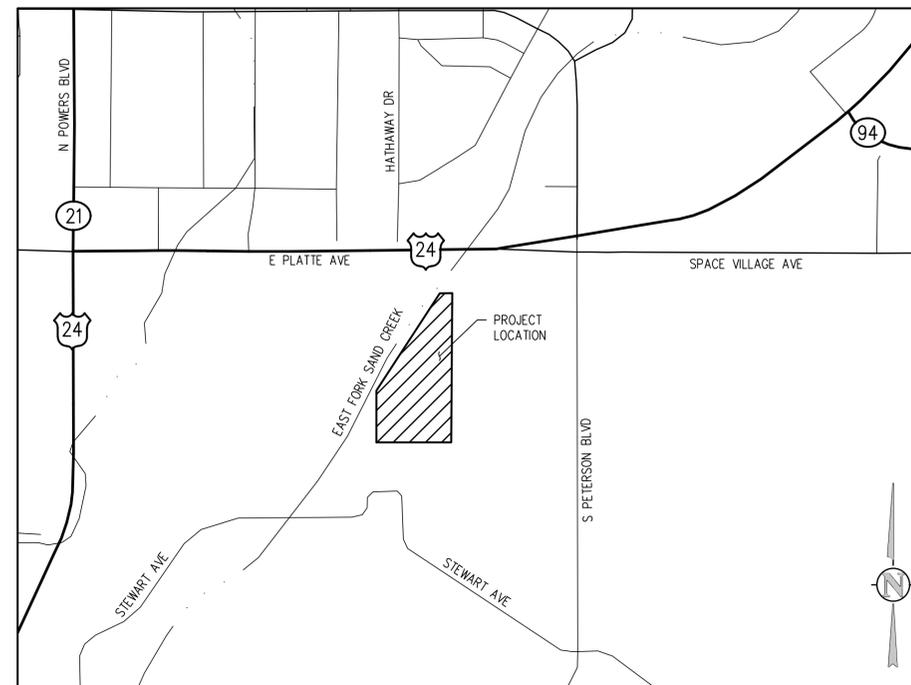
THE PROPERTY IS ZONED AS RR-5 (RESIDENTIAL RURAL DISTRICT) AND CAD-0 (COMMERCIAL AIRPORT OVERLAY DISTRICT). THE PROPOSED PROJECT WILL NOT CHANGE THE ZONING DESIGNATION.

SITE DATA:

LOT/PARCEL SIZE:	53.38 ACRES
EXISTING/PROPOSED LAND USE:	POLITICAL SUBDIVISION
BUILDING FOOTPRINT:	782 SF
WET WELL FOOTPRINT:	5,387 SF
EXISTING BUILDINGS TOTAL AREA:	20,000 SF
LAGOON COVERAGE:	272,000 SF
OPEN/LANDSCAPED AREA COVERAGE:	46.44 ACRES
IMPERMEABLE SURFACE COVERAGE:	4,000 SF



VICINITY MAP
NTS



PROJECT LOCATION MAP
NTS

ABBREVIATIONS

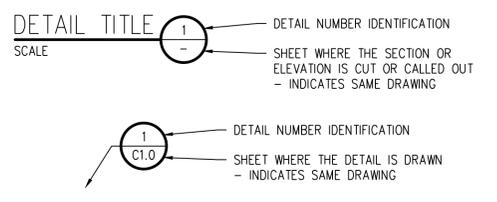
AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	INCL	INCLUDED
ABAN	ABANDON	ID	INSIDE DIAMETER
AC	ASPHALTIC CONCRETE PAVING	INSUL	INSULATION
ADDL	ADDITIONAL	INV	INVERT
ADDM	ADDDUM	IRR	IRRIGATION
ADJ	ADJUSTABLE	JTS	JOINTS
AL	ALUMINIUM	KO	KNOCKOUT
ALT	ALTERNATE	KPL	KICK PLATE
AMT	AMOUNT	KWY	KEYWAY
APPROX	APPROXIMATE	L	LEFT OR LITER
ARCH	ARCHITECT(URAL)	LSCAPE	LANDSCAPE(ING)
ARV	AIR RELIEF VALVE	LF	LINEAR FOOT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LP	LOW POINT
ASPH	ASPHALT	LT	LIGHT
ASSY	ASSEMBLY	LWL	LOW WATER LEVEL
ASYM	ASYMMETRICAL	MAINT	MAINTENANCE
AUTO	AUTOMATIC	MAN	MANUAL
AVG	AVERAGE	MATL	MATERIAL
AWWA	AMERICAN WATER WORKS ASSOC.	MAX	MAXIMUM
BC	BACK OF CURB	ME	MATCH EXISTING
BFV	BUTTERFLY VALVE	MECH	MECHANICAL
BG	FINISHED GRADE ADJACENT TO BOTTOM OF WALL	MFR	MANUFACTURER
BLDG	BUILDING	MH	MANHOLE
BLK	BLOCK	MIN	MINIMUM
BM	BENCH MARK	MISC	MISCELLANEOUS
BMP	BEST MANAGEMENT PRACTICE	MJ	MECHANICAL JOINT
BS	BACKSIGHT	NA	NORTH
BOS	BOTTOM OF STEP	N	NOT APPLICABLE
BOT	BOTTOM	NIC	NOT IN CONTRACT
BSMT	BASEMENT	NPT	NATIONAL PIPE THREAD
BVCE	BEGIN VERTICAL CURVE ELEVATION	NTS	NOT TO SCALE
BVCS	BEGIN VERTICAL CURVE STATION	OC	ON CENTER
BW	BOTTOM OF WALL	OD	OUTSIDE DIAMETER
CB	CATCH BASIN	OPP	OPPOSITE
CCW	COUNTER CLOCKWISE	OPT	OPTIONAL
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	PC	POINT OF CURVATURE
CIP	CAST IRON PIPE	PCO	PRESSURE CLEAN OUT
CJ	CONSTRUCTION JOINT	PCR	POINT OF CURVE RETURN
CL	CENTER LINE OR CHAIN LINK	PI	POINT OF INTERSECTION
CLR	CLEAR	PVI	POINT OF VERTICAL INTERSECTION
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE
CMU	CONCRETE MASONRY UNIT	PE	POLYETHYLENE
CO	CLEANOUT	PFAB	PREFABRICATED
CONC	CONCRETE	PRELIM	PRELIMINARY
CONST	CONSTRUCTION	PREP	PREPARATION
CONT	CONTINUOUS(ATION)	PROP	PROPOSED
COR	CORNER	PRV	PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE
CR	CONCENTRIC REDUCER	PSF	POUNDS PER SQUARE FOOT
CTR	CENTER	PSI	POUNDS PER SQUARE INCH
CY	CUBIC YARDS	PT	POINT OF TANGENCY
DEMO	DEMOLITION	PV	PLUG VALVE
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE OR PIPE
DIAG	DIAGONAL	PVMT	POINT OF VERTICAL CURVATURE PAVEMENT
DIP	DUCTILE IRON PIPE	QTY	QUANTITY
DOM	DOMESTIC	R	RIGHT
DN	DOWN	RAD	RADIUS
DR	DRAIN	RCP	REINFORCED CONCRETE PIPE
DWG	DRAWING	RD	ROOF DRAIN
DWL	DOWEL	RE	REFERENCE
E	EAST	RECT	RECTANGULAR
EA	EACH	REINF	REINFORCE (D) (NG) (MENT)
ECC	ECCENTRIC	REQD	REQUIRED
EJ	EXPANSION JT	ROW	RIGHT OF WAY
EL	ELEVATION	SAN	SANITARY
ELB	ELBOW	SD	STORM DRAIN
ELEC	ELECTRICAL	SECT	SECTION
ENGR	ENGINEER	SECT	SECTION
EOP	EDGE OF PAVEMENT	SPD	STANDARD PROCTOR DENSITY SPECIFICATION
EQ	EQUAL	SO	SQUARE
EQUIP	EQUIPMENT	SO IN	SQUARE INCH
EQUIV	EQUIVALENT	SO FT	SQUARE FOOT
ESMT	EASEMENT	SO YD	SQUARE YARD
EST	ESTIMATE	SS	SANITARY SEWER
EVCE	END VERTICAL CURVE ELEVATION	SST	STAINLESS STEEL
EVCS	END VERTICAL CURVE STATION	STA	STATION
EW	EACH WAY	STD	STANDARD
EXP JT	EXPANSION JOINT	STL	STEEL
EXIST	EXISTING	STRUCT	STRUCTURAL
FND	FOUNDATION	SVC	SERVICE
FES	FLARED END SECTION	SWMP	STORMWATER MANAGEMENT PLAN
FF	FINISH FLOOR	SYM	SYMMETRICAL
FG	FINISH GRADE	TB	THRUST BLOCK
FH	FIRE HYDRANT	TBC	TOP BACK OF CURB
FL	FLOW LINE	TBM	TEMPORARY BENCH MARK
FN	FENCE	TEMP	TEMPORARY
FOC	FACE OF CONCRETE	TG	FINISHED GRADE ADJACENT TO TOP OF WALL
FPM	FEET PER MINUTE	THK	THICK
FPS	FEET PER SECOND	TOB	TOP OF BANK
FT	FEET	TOC	TOP OF CONCRETE OR TOP OF CURB
FTG	FOOTING OR FITTING	TOS	TOP OF STEP
G	GAS	TOT	TOTAL
GA	GAUGE	TW	TOP OF WALL OR CAP OF WALL
GAL	GALLON	TYP	TYPICAL
GALV	GALVANIZED	UBC	UNIFORM BUILDING CODE
GCO	GRADE CLEANOUT	UGE	UNDERGROUND ELECTRIC
GIP	GALVANIZED IRON PIPE	UTIL	UTILITY
GND	GROUND	VERT	VERTICAL
CPD	GALLONS PER DAY	VC	POINT OF VERTICAL CURVATURE
GP	GALLONS PER MINUTE	VCP	VERTICAL CLAY PIPE
GR	GRATE	W	WIDE OR WIDTH
GRG	GRATING	W/O	WITHOUT
GSP	GALVANIZED STEEL PIPE	WOCE	WATER QUALITY CONTROL ELEVATION
GV	GATE VALVE	WSE	WATER SURFACE ELEVATION
H	HIGH	WW	WASTEWATER
HB	HOSE BIB	X SECT	CROSS SECTION
HE	HORIZONTAL ELLIPTICAL	XFMR	ELECTRONIC TRANSFORMER
HDWL	HEADWALL	YH	YARD HYDRANT
HNDRL	HAND RAIL		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
HR	HOUR		
HVAC	HEATING, VENTILATION, AIR CONDITIONING		
HWY	HIGHWAY		
HWL	HIGH WATER LINE		
HYD	HYDRANT		

DESIGN LEGEND

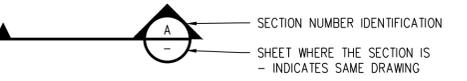
	BENCHMARK		5.0% SLOPE ARROW
	MANHOLE		PROPOSED SPOT ELEVATION
	AREA DRAIN		EXIST SPOT ELEVATION
	COMBINATION INLET		EXIST INDEX CONTOUR
	TYPE R INLET		EXIST INTERMEDIATE CONTOUR
	TYPE 13 FIELD INLET		PROPOSED INDEX CONTOUR
	FLARED END SECTION W/ RIPRAP		PROPOSED INTERMEDIATE CONTOUR
	TEE W/ THRUST BLOCK		SPILL/CATCH CURB TRANSITION
	BEND W/ THRUST BLOCK		SIGN W/ POST
	END CAP W/ THRUST BLOCK		CONCRETE PAVING
	GATE VALVE		HEAVY DUTY ASPHALT PAVING
	REDUCER/INCRASER		LIGHT DUTY ASPHALT PAVING
	WATER METER		GRAVEL
	FIRE HYDRANT		PROPOSED BUILDING
	STORM - 12" AND SMALLER		BUILDING ACCESS
	STORM - LARGER THAN 12"		RETAINING WALL
	ROOF DRAIN		BOULDER/ROCK WALL
	TRENCH DRAIN		LIMITS OF SAWCUT
	UNDERDRAIN		LIMITS OF WORK
	SANITARY SEWER		EASEMENT LINE
	FORCE MAIN		PROPERTY LINE
	WATER		ADJACENT PROPERTY LINE/ROW
	NON POTABLE WATER		MATCHLINE
	POTABLE WATER		MAPPED ELECTRIC*
	IRRIGATION		MAPPED FORCE MAIN*
	IRRIGATION - LARGER THAN 12"		MAPPED SANITARY SEWER*
	CABLE TV		*JVA ADDED PER AS-BUILT PLANS. LOCATION IS APPROXIMATE
	DRAIN		
	ELECTRIC		
	UNDERGROUND ELECTRIC		
	OVERHEAD ELECTRIC		
	TELEPHONE		
	FIBER OPTIC		
	FUEL		
	GAS		
	PVC PIPE (MISC)		



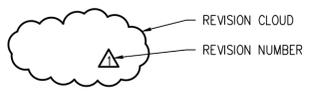
DETAIL TITLE



SECTION CALLOUT



DETAIL MARKER



SURVEY LEGEND

	WATER LINE		BENCHMARK AS DESCRIBED
	FIRE HYDRANT		FOUND MONUMENT
	WATER METER		FOUND MONUMENT
	VALVE		TEST CP
	SANITARY SEWER LINE		UTILITY LOCATED FROM MAP
	SANITARY SEWER MANHOLE		AS MEASURED AT TIME OF SURVEY
	STORM DRAINAGE LINE		CALCULATED FROM RECORD AND AS MEASURED INFORMATION
	STORM DRAINAGE MANHOLE		PLAT
	CURB INLET		RECORDED
	UNDERGROUND ELECTRICAL LINE		MAILBOX
	OVERHEAD ELECTRICAL LINE		CONCRETE
	ELECTRICAL POLE		EDGE OF ASPHALT
	GUY WIRE		GRAVEL
	ELECTRICAL TRANSFORMER		FENCE
	ELECTRICAL RISER		GUARDRAIL
	ELECTRIC VAULT		BOLLARD
	ELECTRIC METER		SIGN
	UNKNOWN MANHOLE		CONIFEROUS TREE (TRUNK DIAMETER/DRIP LINE RADIUS)
	VENT PIPE		DECIDUOUS TREE (TRUNK DIAMETER/DRIP LINE RADIUS)
	LIGHT POLE		BOULDER
	FIBEROPTIC LINE		
	TELEPHONE LINE		
	TELEPHONE RISER		
	GAS LINE		
	INDICATION OF ACCESS		
	BUILDING		

NOTE: SHADED ITEMS REPRESENT EXIST FEATURES

GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF CHEROKEE METROPOLITAN DISTRICT, COLORADO DEPARTMENT OF TRANSPORTATION, CIMARRON HILLS FIRE PROTECTION REQUIREMENTS, AND APPLICABLE STATE AND LOCAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN POSSESSION AT THE JOB SITE AT ALL TIMES ONE (1) SIGNED COPY OF APPROVED PLANS, STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EMERGENCY ACCESS ROUTES TO THE SITE AND STRUCTURE AT ALL TIMES PER THE APPLICABLE CIMARRON HILLS FIRE PROTECTION DISTRICT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS. NOTIFY ENGINEER OF ANY CONFLICTING STANDARDS OR SPECIFICATIONS. IN THE EVENT OF ANY CONFLICTING STANDARD OR SPECIFICATION, THE MORE STRINGENT OR HIGHER QUALITY STANDARD, DETAIL OR SPECIFICATION SHALL APPLY.
- THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARD SPECIFICATIONS, PERMITS, BONDS, ETC., WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING, BUT NOT LIMITED TO A LOCAL AND STATE GROUNDWATER DISCHARGE AND COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) STORMWATER DISCHARGE PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE REQUIRED PARTY (OWNER AND ENGINEER) AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION, PRIOR TO BACKFILLING, AND AS REQUIRED BY JURISDICTIONAL AUTHORITY AND/OR PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL CONTINUE WITH NOTIFICATIONS THROUGHOUT THE PROJECT AS REQUIRED BY THE STANDARDS AND SPECIFICATIONS.
- THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION BASED ON INFORMATION BY OTHERS. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT SIZE, LOCATION AND TYPE OF ALL EXISTING UTILITIES WHETHER SHOWN OR NOT BEFORE COMMENCING WORK. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS SHOWN ON PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH GRADING AND CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF UTILITIES SHALL BE PERFORMED AND INSPECTED ACCORDING TO THE REQUIREMENTS OF THE UTILITY OWNER. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAPPING ANY EXISTING UTILITY (INCLUDING DEPTH) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, AND FOR RELOCATING ENCOUNTERED UTILITIES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL CONTACT AND RECEIVE APPROVAL FROM OWNER AND ENGINEER BEFORE RELOCATING ANY ENCOUNTERED UTILITIES. CONTRACTOR RESPONSIBLE FOR SERVICE CONNECTIONS, AND RELOCATING AND RECONNECTING AFFECTED UTILITIES AS COORDINATED WITH UTILITY OWNER AND/OR ENGINEER, INCLUDING NON-MUNICIPAL UTILITIES (TELEPHONE, GAS, CABLE, ETC., WHICH SHALL BE COORDINATED WITH THE UTILITY OWNER). THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER UPON DISCOVERY OF A UTILITY DISCREPANCY OR CONFLICT. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987, WWW.UCCO.ORG). SEE SURVEY UTILITY LOCATION INFORMATION BELOW.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR OWNER AND/OR CITY APPROVAL AND PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR AGREES TO COMPLY WITH THE PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL. ALL TEMPORARY AND PERMANENT TRAFFIC SIGNS SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REGARD TO SIGN SHAPE, COLOR, SIZE, LETTERING, ETC. UNLESS OTHERWISE SPECIFIED. IF APPLICABLE, PART NUMBERS ON SIGNAGE DETAILS REFER TO MUTCD SIGN NUMBERS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ABUTTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. GROUNDWATER TO BE PUMPED SHALL BE TESTED, PERMITTED, AND PUMPED PER THE STATE OF COLORADO AND LOCAL GROUNDWATER DISCHARGING PERMIT REQUIREMENTS.
- RIM AND GRATE ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL ADJUST RIMS AND OTHER IMPROVEMENTS TO MATCH FINAL PAVEMENT AND FINISHED GRADE ELEVATIONS.
- THE EXISTING AND PROPOSED ELEVATIONS OF FLATWORK, SIDEWALKS, CURBS, THRESHOLDS, PAVING, ETC. AS SHOWN HEREON ARE BASED ON EXTRAPOLATION OF FIELD SURVEY DATA, EXISTING CONDITIONS, AND DATA PROVIDED BY OTHERS. AT CRITICAL AREAS AND SITE FEATURES, CONTRACTOR SHALL HAVE FORMWORK INSPECTED AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER PRIOR TO PLACING CONCRETE. MINOR ADJUSTMENTS, AS APPROVED, TO PROPOSED GRADES, INVERTS, ETC. MAY BE REQUIRED TO PREVENT PONDING OR SLOPE NOT IN CONFORMANCE WITH MUNICIPAL STANDARDS. ALL FLATWORK MUST PREVENT PONDING AND PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS, WALLS, ROOF DRAIN OUTFALLS, ACROSS DRIVES AND WALKS, ETC., TOWARDS THE PROPOSED INTENDED DRAINAGE FEATURES AND CONVEYANCES.
- FINAL LIMITS OF REQUIRED ASPHALT SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
- ANY EXISTING MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC. TO BE PROTECTED AND TO REMAIN IN SERVICE. IF FEATURES EXIST, EXTEND OR LOWER TO FINAL SURFACE WITH LIKE KIND CAP WITH STANDARD CAST ACCESS LID WITH SAME MARKINGS. IN LANDSCAPED AREAS PROVIDE A CONCRETE COLLAR (18"x18"x6" THICK) AT ALL EXISTING AND PROPOSED MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC.
- OWNER TO APPROVE ALL PRIVATE CONCRETE FINISHING, JOINT PATTERNS AND COLORING REQUIREMENTS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- PIPE LENGTHS AND HORIZONTAL CONTROL POINTS SHOWN ARE FROM CENTER OF STRUCTURES, END OF FLARED END SECTIONS, ETC. SEE STRUCTURE DETAILS FOR EXACT HORIZONTAL CONTROL LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ACTUAL PIPE LENGTHS TO ACCOUNT FOR STRUCTURES AND LENGTH OF FLARED END SECTIONS.
- ALL SURPLUS MATERIALS, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE MUNICIPALITY OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE STATE OF COLORADO, MILE HIGH FLOOD DISTRICT "URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARD PLANS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. JURISDICTIONAL AUTHORITY MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AT THE CONTRACTOR'S EXPENSE DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED. THE CONTRACTOR IS RESPONSIBLE FOR PROHIBITING SILT AND DEBRIS LADEN RUNOFF FROM LEAVING THE SITE, AND FOR KEEPING ALL PUBLIC AREAS FREE OF MUD AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING FINAL GRADES AND FOR REMOVING ACCUMULATED SEDIMENTATION FROM ALL AREAS INCLUDING SWALES AND DETENTION/WATER QUALITY AREAS. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER AND MUNICIPALITY.
- PROTECT ALL TREES AND VEGETATION. PLACE CONSTRUCTION FENCING AT DRIP LINE OF TREES AND PLANTS NEAR THE WORK ZONE. DEEP WATER TREES WEEKLY. HAND EXCAVATION REQUIRED AT ROOT ZONES WHERE PROPOSED PAVING OR UTILITY WORK IS WITHIN DRIPLINE OF TREES.
- SURVEY INFORMATION:
 - TOPOGRAPHIC INFORMATION WAS PROVIDED BY EDWARD-JAMES SURVEYING, INC. SEE "2365-00 LS1 TOPO JUNE 2022 VS4.DWG" DATED 6/22/2022, UPDATED 8/5/2022. COORDINATE AND VERIFY ALL VERTICAL AND HORIZONTAL DATA SHOWN IN SURVEY AND REPORT ANY IRREGULARITIES OR DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
 - BASIS OF ELEVATIONS: PROJECT ELEVATIONS ARE BASED ON A NGS SURVEY CONTROL MONUMENT POINT T 76 RESET. CONTROL POINT T 76 RESET IS A BENCHMARK BRASS MONUMENT SET IN CONCRETE ON THE SOUTH SIDE OF U.S. HIGHWAY 24 EAST OF COLORADO SPRINGS, HAVING A NAVD88 ELEVATION OF 6141.49 FT.
 - COORDINATE DATUM: PROJECT COORDINATES ARE COLORADO STATE PLANE CENTRAL ZONE NAD 83 (2011) COORDINATES
 - HORIZONTAL CONTROL INFORMATION: HORIZONTAL CONTROL COORDINATES ARE BASED ON THE REFERENCED SURVEY AND ARE PROVIDED BY THE FOLLOWING POINTS AS SHOWN ON THE PLANS:

CP-10	N1366229.22	E3225659.69	ELEV 6250.36	CP-40	N1367602.72	E3267269.52	ELEV 6501.14
CP-201	N1366666.87	E3225967.84	ELEV 6259.69	CP-70	N1367475.49	E3269906.26	ELEV 6487.64
CP-202	N1366434.26	E3226145.13	ELEV 6257.38	CP-80	N1355301.14	E3272427.81	ELEV 6353.97
CP-60	N1368003.96	E3233649.52	ELEV 6314.30	CP-50	N1351673.15	E3279000.96	ELEV 6215.87
CP-20	N1367210.75	E3258999.73	ELEV 6226.87	CP-51	N1351707.87	E3279076.41	ELEV 6214.70
CP-30	N1367113.69	E3263718.81	ELEV 6511.30				
- SURVEY UTILITY LOCATION INFORMATION PER THE SURVEYOR: SUBSURFACE UTILITIES ARE SHOWN IN APPROXIMATE HORIZONTAL AND VERTICAL LOCATIONS CONSISTENT WITH ASCE 38-02 QUALITY LEVEL "C" (INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D; INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS), AND BASED ON FIELD MEASUREMENTS PROVIDED BY THE OWNER AND THE CONTRACTOR. SUBSURFACE UTILITIES ARE NOT DEPICTED TO THE EXTENT SET FORTH IN ASCE 38-02

MULCHING AND SEEDING NOTES FOR EL PASO COUNTY

1. ALL DISTURBED AREAS MUST BE MULCHED WITHIN 21 DAYS AFTER FINAL GRADE AND SEEDING AREAS ARE TO BE MULCHED WITH 24 HOURS AFTER SEEDING.
2. MATERIAL USED FOR MULCH CAN BE CERTIFIED CLEAN, WEED- AND SEED-FREE LONG STEMMED FIELD OR MARSH HAY, OR STRAW OF OATS, BARLEY, WHEAT, RYE OR TRITICALE CERTIFIED BY THE COLORADO DEPARTMENT OF AGRICULTURE WEED FREE FORAGE CERTIFICATION PROGRAM.
3. HYDRAULIC MULCHING MATERIAL SHALL CONSIST OF VIRGIN WOOD FIBER MANUFACTURED FROM CLEAN WHOLE WOOD CHIPS. WOOD CHIPS CANNOT CONTAIN ANY GROWTH OR GERMINATION INHIBITORS OR BE PRODUCED FROM RECYCLED WOOD. GRAVEL CAN ALSO BE USED.
4. MULCH IS TO BE APPLIED EVENLY AT THE RATE OF 2 TONS PER ACRE.
5. MULCH TO BE ANCHORED EITHER BY CRIMPING (TUCKING MULCH FIBERS 4 INCHES INTO THE SOIL), USING NETTING (USED IN SMALL AREAS WITH STEEP SLOPES), OR WITH TACKIFIER.
6. HYDRAULIC MULCHING AND TACKIFIERS ARE NOT TO BE USED IN THE PRESENCE OF FREE SURFACE WATER.

LANDSCAPING NOTE:

LANDSCAPING IS INTENDED TO BE MINIMAL EXCEPT FOR PREVENTING EROSION. DO TO THE NATURE OF THE FACILITY, TREES AND SHRUBS ARE KNOWN TO INTERFERE WITH OPERATION, ROOTS AND MAINTENANCE NEEDS CREATE ISSUES FOR OPERATIONS EFFORTS, PIPING, AND INFRASTRUCTURE, THEREFORE THE DISTRICT PREFERS TO KEEP ALL VEGETATION TO A MINIMUM.

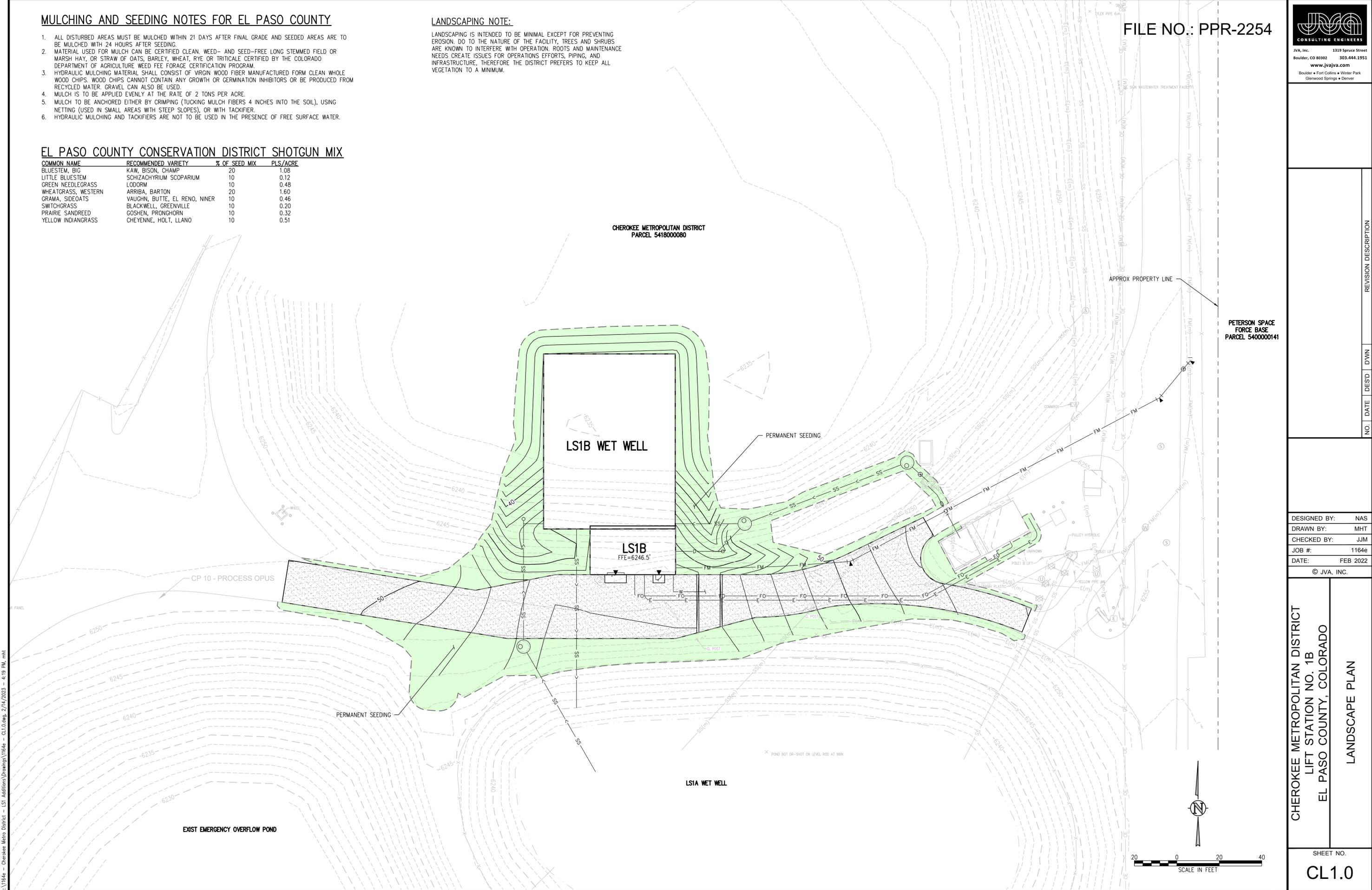
EL PASO COUNTY CONSERVATION DISTRICT SHOTGUN MIX

COMMON NAME	RECOMMENDED VARIETY	% OF SEED MIX	PLS/ACRE
BLUESTEM, BIG	KAW, BISON, CHAMP	20	1.08
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	10	0.12
GREEN NEEDLEGRASS	LODORM	10	0.48
WHEATGRASS, WESTERN	ARRIBA, BARTON	20	1.60
GRAMA, SIDEOATS	VAUGHN, BUTTE, EL RENO, NINER	10	0.46
SWITCHGRASS	BLACKWELL, GREENVILLE	10	0.20
PRAIRIE SANDREED	GOSHEN, PRONGHORN	10	0.32
YELLOW INDIANGRASS	CHEYENNE, HOLT, LLANO	10	0.51

FILE NO.: PPR-2254



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N:\1164e - Cherokee Metro District - LSI Additions\Drawings\1164e - CL1.0.dwg, 2/14/2023 - 4:19 PM, mht

NO.	DATE	DES'D	DWN	REVISION DESCRIPTION

DESIGNED BY: NAS
 DRAWN BY: MHT
 CHECKED BY: JJM
 JOB #: 1164e
 DATE: FEB 2022
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CHEROKEE METROPOLITAN DISTRICT
 LIFT STATION NO. 1B
 EL PASO COUNTY, COLORADO

LANDSCAPE PLAN

SHEET NO.
CL1.0