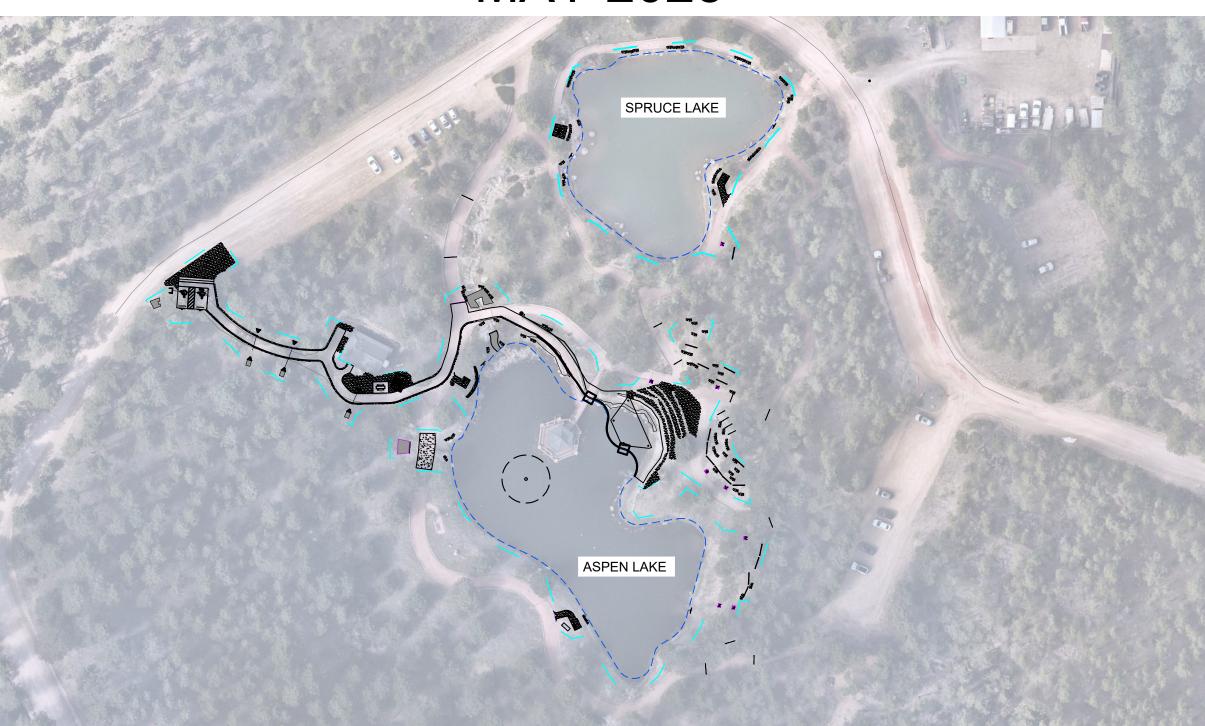
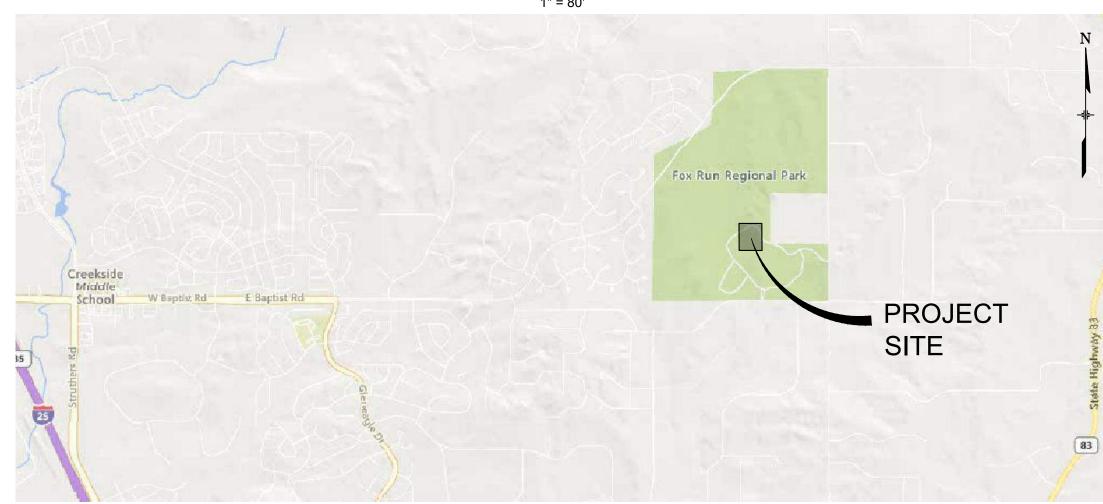
# FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

EL PASO COUNTY, COLORADO

# 100% CONSTRUCTION DOCUMENTS

MAY 2025





**VICINITY MAP** N.T.S.

			(719) 484-0911				
REFERENCE DRAWINGS					SHEET KEY		
X-237-TITLE-CD X-237-FOX-RUN-EX-SITE X-237-FOX-RUN-EX-UTIL X-237-PR-SITE	No.	DATE	DESCRIPTION	BY	- - - -		
	REVISIONS						
	COMPUTER FILE MANAGEMENT  FILE NAME: s:\24.237.008 fox run regional park\500 CADD\504 plan sets\construction plans\60% construction plans\TS01.dwg  CTB FILE:  PLOT DATE: May 9, 2025 2:32:48 PM  THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.						

**INDEX OF SHEETS** 

SHEET NUMBER

SHEET DESCRIPTION

HORIZONTAL CONTROL PLAN - SPRUCE LAKE (NORTH HORIZONTAL CONTROL PLAN - ASPEN LAKE (SOUTH)

**EXISTING CONDITIONS & DEMOLITION PLAN** 

SITE & GRADING PLAN - SPRUCE LAKE (NORTH)

GRADING & SECTIONS - SPRUCE LAKE (NORTH)

SITE & GRADING PLAN - ASPEN LAKE (SOUTH) **GRADING & SECTION - ASPEN LAKE (SOUTH)** 

SHEET TITLE

TS01

TITLE SHEET

**GENERAL NOTES** 

OVERALL SITE PLAN

SITE DETAILS - GAZEBO

LANDSCAPE NOTES LANDSCAPE DETAILS

**IRRIGATION PLAN** 

IRRIGATION PLAN

**IRRIGATION DETAILS** 

ELECTRICAL LEGEND

ELECTRICAL DEMO PLAN

LIGHT FIXTURE CUT SHEETS

LIGHT FIXTURE CUT SHEETS

ELECTRICAL PLAN

OWNER DEVELOPER

CIVIL ENGINEER

LANDSCAPE ARCHITECT

IRRIGATION ENGINEER

GEOTECHNICAL ENGINEER

**ELECTRIC** 

FIRE DEPARTMENT

LANDSCAPE PLAN - ASPEN LAKE

**OVERALL IRRIGATION PLAN** 

LANDSCAPE PLAN - SPRUCE LAKE

WATER FEATURE PLAN & DETAILS

**ELECTRICAL ONE-LINE DIAGRAM** 

IRRIGATION PUMP STATION IMPROVEMENTS

EL PASO COUNTY, COLORADO

2002 CREEK CROSSING STREET

BRIAN BOBECK, (719) 520-7647

COREY PETERSEN, (719) 575-0100

MATRIX DESIGN GROUP

MATRIX DESIGN GROUP

323 W. DRAKE RD, SUITE 204 FORT COLLINS, COLORADO 80526

5085 LIST DRIVE, SUITE 200

611 NORTH NEVADA AVENUE

JOSH AYERS, (719) 636-0021

MONUMENT FIRE DISTRICT

**RMG ENGINEERS** 

CORPORATION

COLORADO SPRINGS, COLORADO 80905

2435 RESEARCH PARKWAY, SUITE 300

2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, COLORADO 80920 ANDREA PAPIERSKI, (719) 575-0100

COLORADO SPRINGS, COLORADO 80919

CHAVEZ, TIFFANY & AYERS ENGINEERING

COLORADO SPRINGS, COLORADO 80903

16055 OLD FOREST POINT, STE. 102 MONUMENT, COLORADO 80132

COLORADO SPRINGS, COLORADO 80920

PARKS & COMMUNITY SERVICES DEPARTMENT

SITE DETAILS SITE DETAILS

**DETAILS** 

DETAILS

VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.

PREPARED BY: MATRIX DESIGN GROUP, INC. **Excellence by Design** 



FOR AND ON BEHALF OF

PROJECT No. 24.237.008

TITLE SHEET

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

SCALE DESIGNED BY: RWO MAY 2025 DRAWING No. DRAWN BY: 1 OF 33 CHECKED BY:

**DESIGN ENGINEER'S STATEMENT** 

**UNDERGROUND UTILITIES.** 

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSE FOR WHICH THE PARTICULAR DRAINAGE FACILITY(S) IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED DRAINAGE PLANS AND SPECIFICATIONS.

Know what's below.

Call before you dig

COREY PETERSEN, PE #56571 FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND

**EL PASO COUNTY** 

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE. DRAINAGE CRITERIA MANUAL. VOLUMES 1 AND 2. AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION

JOSHUA PALMER, P.E COUNTY ENGINEER

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.

#### GENERAL NOTES:

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, REVISED 10-14-2020 AND CDOT STANDARD SPECIFICATIONS, LATEST
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
- 3. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE FIELD ENGINEER.
- 4. SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE
- 5. UTILITY LINES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
- 6. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING.
- 7. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITY AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE RESPECTIVE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY. THE COUNTY ENGINEERING INSPECTIONS, UTILITY DEPARTMENTS AND UTILITY OWNERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WHERE THESE UTILITIES MAY BE AFFECTED.
- 8. IN SOME OF THE PROPOSED AREAS OF CONSTRUCTION EXISTING UNDERGROUND TELEPHONE, FIBER AND CABLE TELEVISION FACILITIES MAY BE LOCATED IN CLOSE PROXIMITY TO THE WORK. THE CONTRACTOR MAY, IF NECESSARY, TEMPORARILY DISPLACE THE CABLES DURING CONSTRUCTION AND REINSTALL THEM IN ACCORDANCE WITH THE APPROPRIATE TELEPHONE, FIBER OR CABLE COMPANY'S GUIDELINES. COORDINATION WITH BOTH THE TELEPHONE AND CABLE TELEVISION COMPANY IS REQUIRED TO BE DONE BY THE CONTRACTOR.
- 9. THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- 10. THE PHYSICAL FEATURES WITHIN THE LIMITS OF THE PROJECT HAVE BEEN SHOWN BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS THEMSELVES OF THE CONDITIONS TO BE ENCOUNTERED DURING THE CONSTRUCTION.
- 11. THE CONTRACTOR SHALL LIMIT ALL WORK AND STORAGE AREAS TO THE PUBLIC RIGHT-OF-WAYS AND EASEMENTS. USE OF ANY PRIVATE AREAS FOR THIS PROJECT BY THE CONTRACTOR MUST BE APPROVED IN WRITING BY THE PROPERTY OWNER WITH A COPY OF THIS APPROVAL PROVIDED TO THE FIELD ENGINEER PRIOR TO USAGE.
- 12. ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
- 13. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE FIELD ENGINEER.
- 14. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY EL PASO COUNTY AND THE FIELD ENGINEER.
- 15. THE FIELD ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- 16. DIMENSIONS AND RADII ARE SHOWN TO THE EDGE OF SIDEWALK UNLESS OTHERWISE NOTED.
- 17. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- 18. THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AREAS.
- 19. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
- 20. THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENT BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
- 22. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS AND PLANS ON SITE FOR THE DURATION OF THE PROJECT.
- 23. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF TRAVELED WAY.
- 24. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS IN ADVANCE FOR ANY REQUIRED MODIFICATION OF TRAFFIC SIGNALS WITHIN CONSTRUCTION AREAS AS NECESSARY TO MAINTAIN SAFE OPERATIONS.
- 25. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.

REFERENCE

DRAWINGS

-237-TITLE-CD

- 26. THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING FACILITIES AND INFRASTRUCTURE OUTSIDE OF PROPOSED LIMITS OF DISTURBANCE. IF DAMAGED, CONTRACTOR SHALL REPLACE EXISTING FACILITIES AND/OR INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO, TRAILS, RAILROAD TIES, AND ASSOCIATED EXISTING INFRASTRUCTURE, TO IT'S ORIGINAL STATE.
- 27. ALL TREES THAT ARE TO BE REMOVED PER PLAN SHALL BE RELOCATED OFFSITE WITHIN 24 HOURS OF REMOVAL. CONTRACTOR TO COORDINATE WITH EL PASO COUNTY ON RELOCATION SITE.

#### **EARTHWORK**

CONSTRUCTION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
- ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.
- 3. ANY SOIL LYING BELOW THE SUBGRADE ELEVATION WHICH IS DISTURBED BY
  - OPERATIONS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS.
- A MINIMUM 1.0' DEPTH OF OVEREXCAVATION SHALL BE PERFORMED BENEATH THE POND LINER AND REPLACED WITH 1.0' OF CLEAN SOIL BENEATH THE POND LINER. SOIL SHALL BE CLEARED OF ANY ROCKS, ANGULAR MATERIAL GREATER THAN 1/2-INCH DIAMETER, ORGANIC MATERIAL, AND ANY OTHER REQUIREMENTS SET FORTH BY THE POND LINER MANUFACTURER. PROPOSED SURFACE PRESENTED ON PLANS REPRESENTS TOP OF SOIL PLACED OVER LINER.
- A MINIMUM 1.0' DEPTH OF CLEAN SOIL SHALL BE PLACED OVER TOP OF THE POND LINER. SOIL SHALL BE CLEARED OF ANY ROCKS. ANGULAR MATERIAL GREATER THAN 1/2-INCH DIAMETER, ORGANIC MATERIAL, AND ANY OTHER REQUIREMENTS SET FORTH BY THE POND LINER MANUFACTURER. SOIL PLACED ON TOP OF THE POND LINER SHALL BE PLACED FROM BOTTOM TO TOP WITH APPROPRIATE MACHINERY PER MANUFACTURER SPECIFICATIONS.
- EXISTING TRAILS HEAVILY UTILIZED FOR CONSTRUCTION EQUIPMENT ROUTE/ACCESS FOR EARTHWORK, HAULING, GRADING, ETC., MUST BE REBUILT OR RESURFACED AS NEEDED AROUND PONDS FOR A CONSISTENT FINISHED LOOK.

#### BENCHMARK AND SURVEY CONTROL

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. COORDINATES ARE REFERENCED IN THE COORDINATE LIST SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION.
- PRIOR TO PROJECT COMPLETION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY MONUMENTATION DISTURBED OR REMOVED BY CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF COLORADO. PROPERTY CORNERS WHICH FALL WITHIN NEW CONCRETE FLATWORK SHALL BE DURABLE AND SET FLUSH. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

#### **CONSTRUCTION NOTES:**

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE 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:
- a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
- b. 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

DESCRIPTION

REVISIONS

- 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 CONTRACTOR'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 CONTRACTOR'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH FIELD ENGINEER - 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.

SHEET KEY

#### CONSTRUCTION NOTES con't.:

- 8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE FIELD ENGINEER. CONTRACTOR SHALL NOTIFY THE FIELD ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- 9. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY FIELD ENGINEER PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- 10. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 11. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.
- 12. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- 13. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.
- 14. CONTRACTOR TO COORDINATE WITH COUNTY ON REMOVAL OF EXISTING FISH PRIOR TO CONSTRUCTION.
- 15. FIBER MESH REINFORCEMENT SHALL BE SYNTHETIC MACROFRIBERS IN CONFORMANCE WITH ASTM D7508/D7508M AND ASTM C1116/C1116M. DOSAGE SHALL BE PER MANUFACTURER RECOMMENDATIONS BUT SHALL NOT BE LESS THAN 3 LB/CY.

#### NRCS SOIL SURVEY FOR EL PASO COUNTY

SOIL ID NO.	SOIL TYPE	CLASSIFICA		
41	KETTLE GRAVELLY LOAMY SAND (8% - 40% SLOPES)	В		
71	PRING COARSE SANDY LOAM (3% - 8% SLOPES)	В		

#### PROJECT DATA

FOX RUN REGIONAL PARK PONDS

PARCEL NUMBER:	6100000297					

PERMANENT WATER SURFACE ELEVATION: SPRUCE LAKE (NORTH)

7317.60 ASPEN LAKE (SOUTH)

#### ABBREVIATIONS

FIRM NUMBER

ВТМ	ВОТТОМ	MJ	MECHANICAL JOINT
CFS	CUBIC FEET PER SECOND	NTS	NOT TO SCALE
ှေ or CL	CENTERLINE	PC	POINT OF CURVATURE
CMP	CORRUGATED METAL PIPE	PCC PCR	POINT OF COMPOUND CURVE POINT OF CURB RETURN
CONC	CONCRETE	PRC	POINT OF REVERSE CURVE
CONST	CONSTRUCTION	PT	POINT OF TANGENCY
CONT	CONTINUOUS	PVC	POINT OF VERTICAL CURVE
EA	EACH	PVI	POINT OF VERTICAL TANGENT
ELEV or EL	ELEVATION	PVT	POINT OF VERTICAL INTERSECTION
EX or EXIST	EXISTING	R or RAD	RADIUS
FES	FLARED END SECTION	RCP	REINFORCED CONCRETE PIPE
ि or FL	FLOWLINE	ROW	RIGHT-OF-WAY
FT	FOOT/FEET	RT	RIGHT
HGL	HYDRAULIC GRADE LINE	SD	STORM SEWER
HP	HIGH POINT	ST	STREET
HORIZ	HORIZONTAL	STA	STATION
INV	INVERT	STD	STANDARD
K	VERTICAL CURVE FACTOR	SS	SANITARY SEWER
LBS	POUNDS	TBC	TOP BACK OF CURB
LF	LINEAR FEET	ТОВ	TOP OF BOX
LP	LOW POINT	TYP	TYPICAL
LT	LEFT	UG	UNDERGROUND
MAX	MAXIMUM	UTIL	UTILITY
MH	MANHOLE	VC	VERTICAL CURVE
MIN	MINIMUM	VERT	VERTICAL

HYDROLOGIC

7337.40

08041C0295G

PREPARED BY:

Excellence by Design

#### **SYMBOLS**

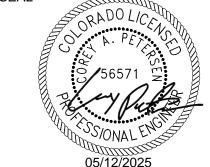
PROPOSED CENTERLINE EXISTING PAVED ROAD EXISTING UNDERGROUND UTILITY Know what's below. Call before you dig. PROPOSED UNDERGROUND UTILITY RIGHT OF WAY EASEMENT **EXISTING CURB & GUTTER** PROPOSED CURB & GUTTER **EXISTING CONTOUR** PROPOSED CONTOUR LIMITS OF CONSTRUCTION PROPOSED MANHOLE EXISTING LIGHT POLE EXISTING WATER VALVE  $\otimes$   $\bowtie$ PROPOSED WATER VALVE +WATER FITTINGS 0 PROPOSED SIGN \_\_\_ **EXISTING SIGN** 

VERTICAL DATUM

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FOR AND ON BEHALF OF

PROJECT No. 24.237.008

MATRIX DESIGN GROUP, INC.

DRAWN BY:

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

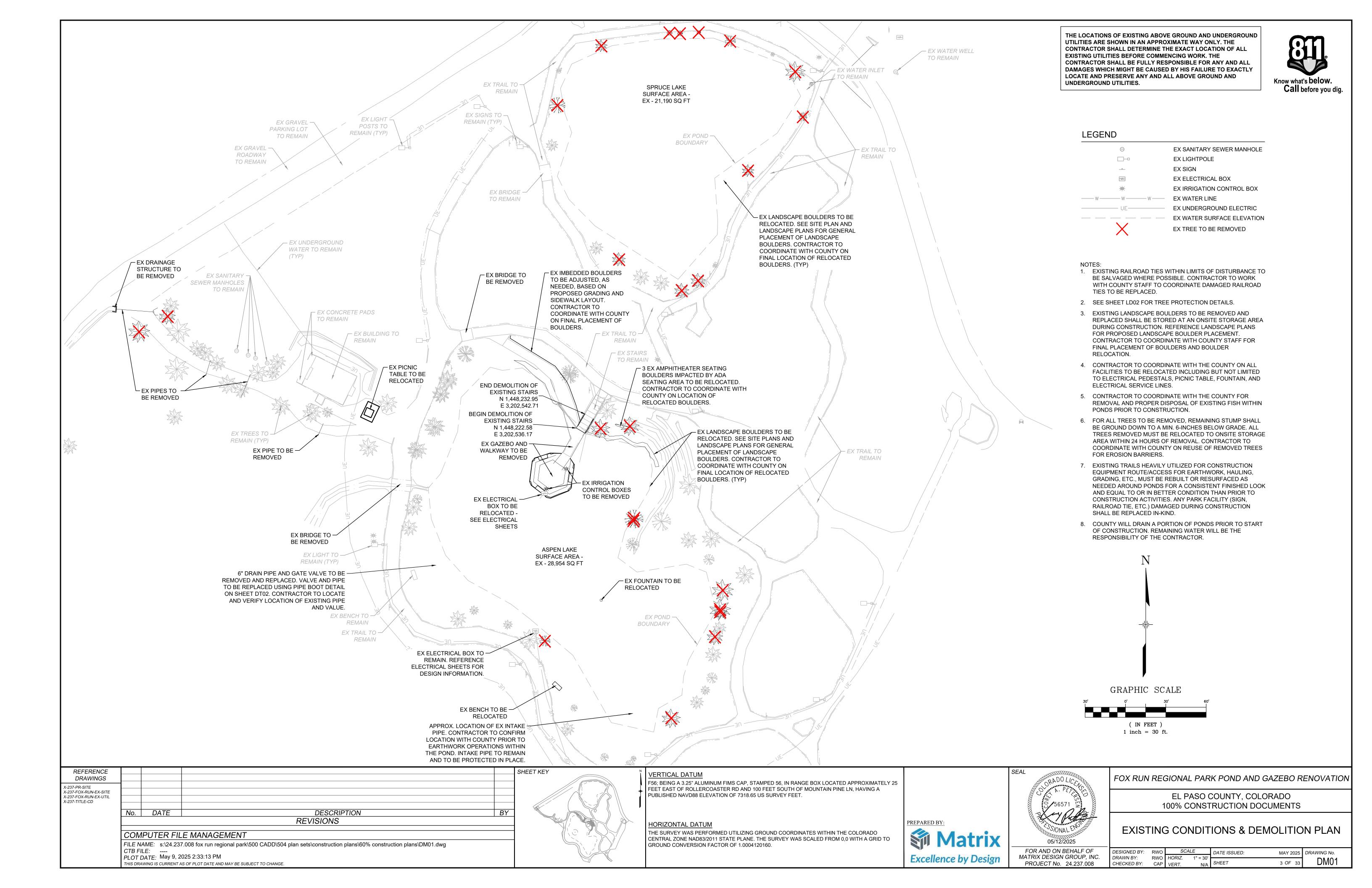
**GENERAL NOTES** 

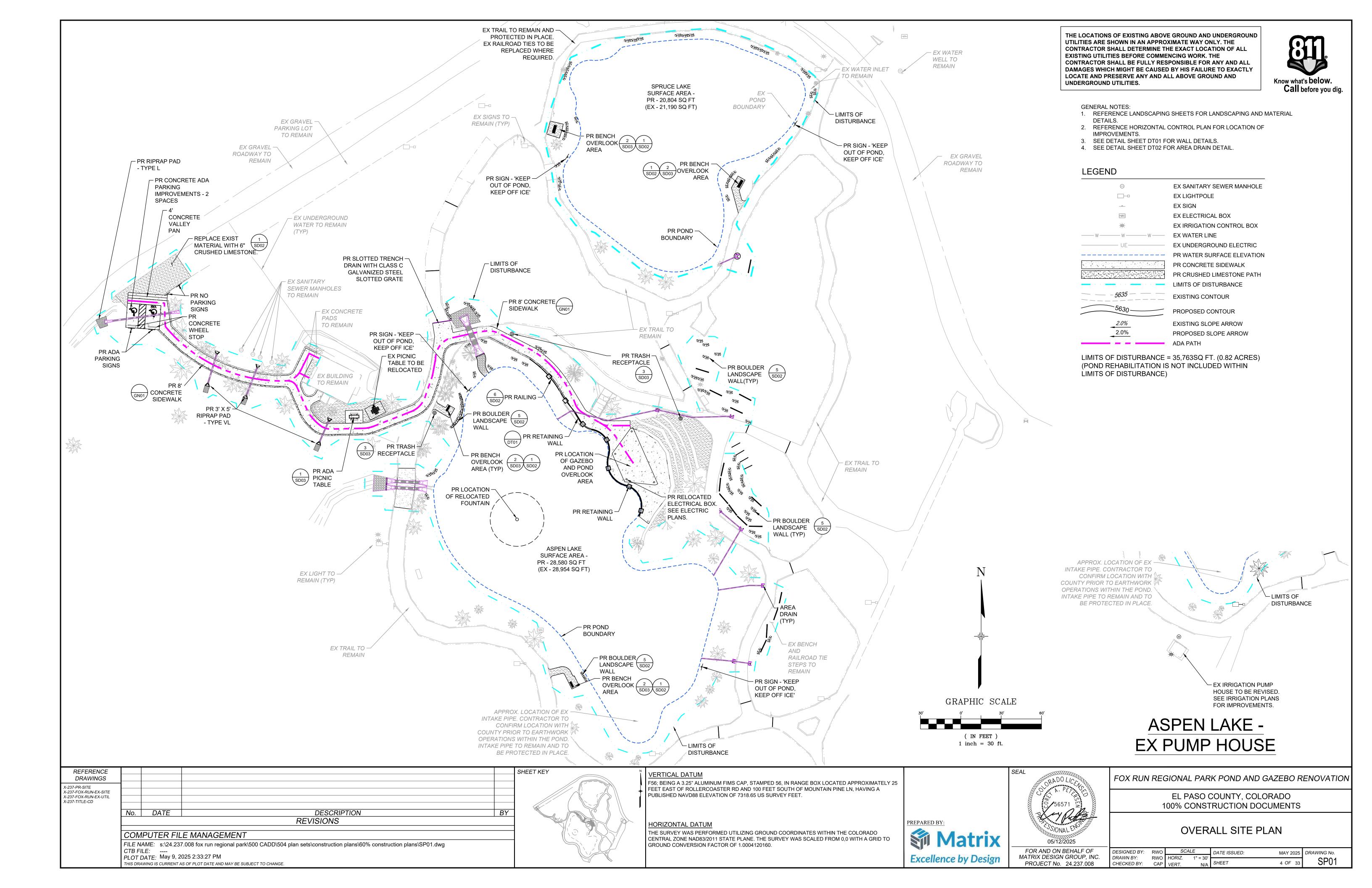
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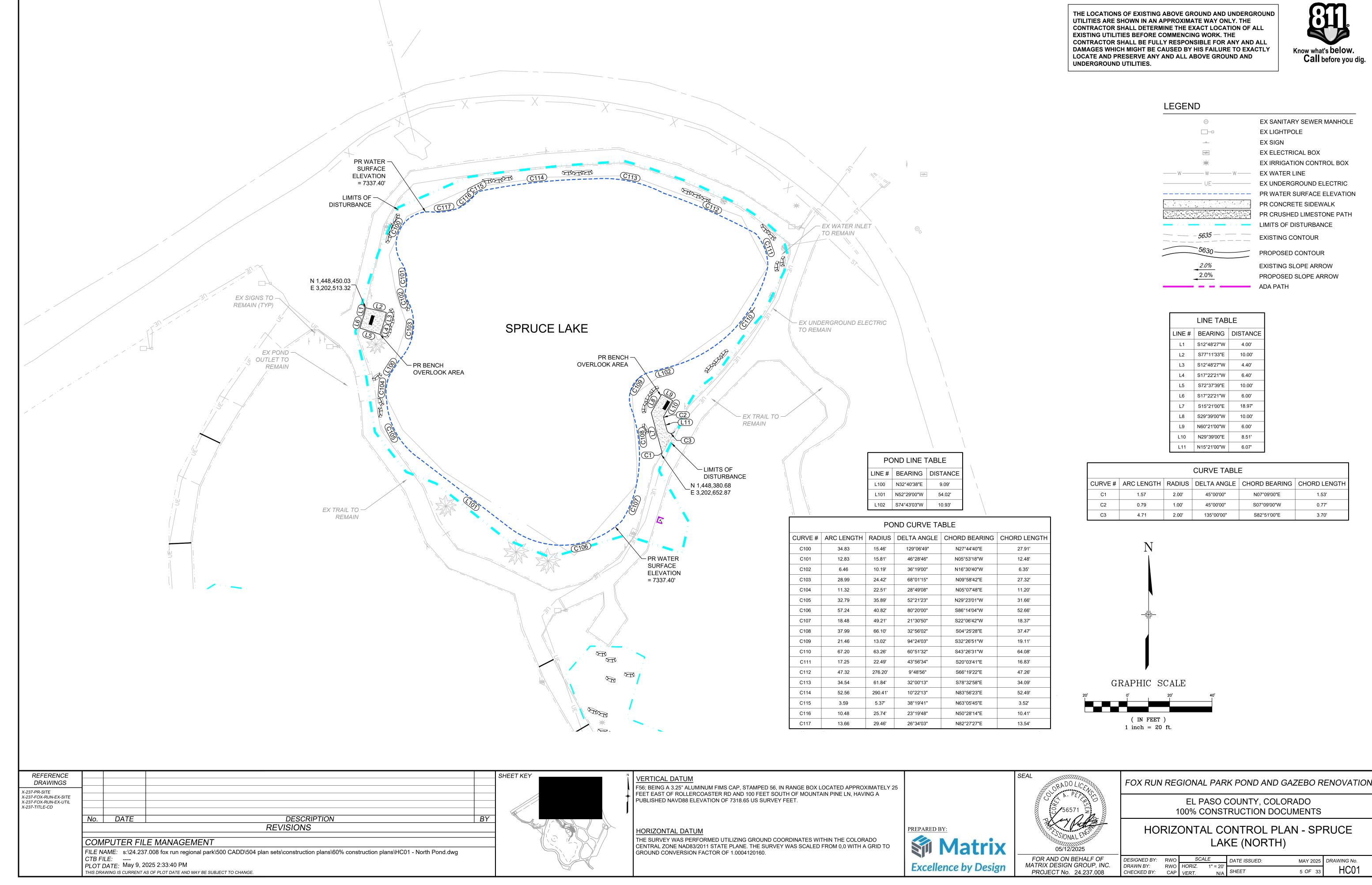
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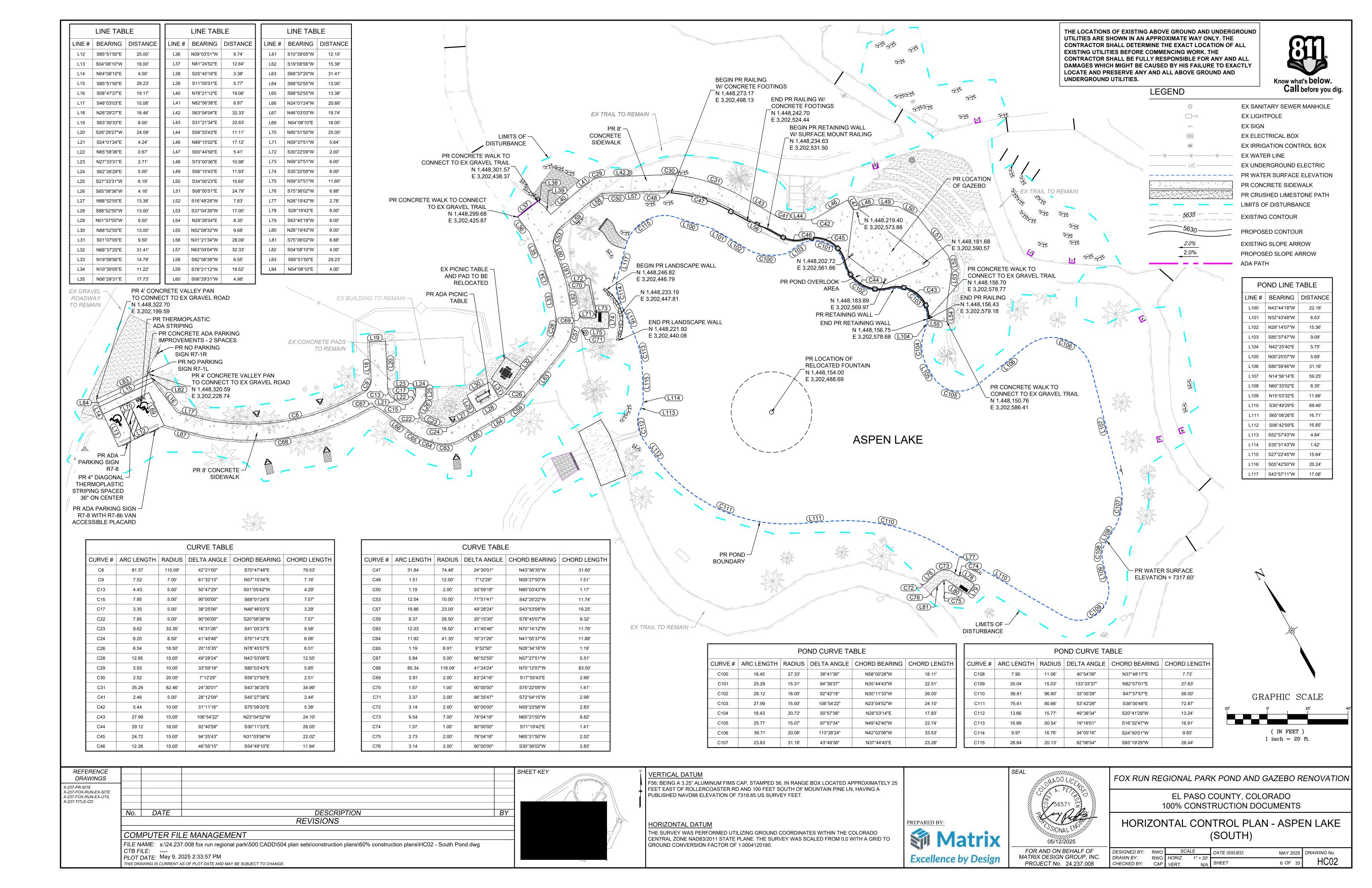
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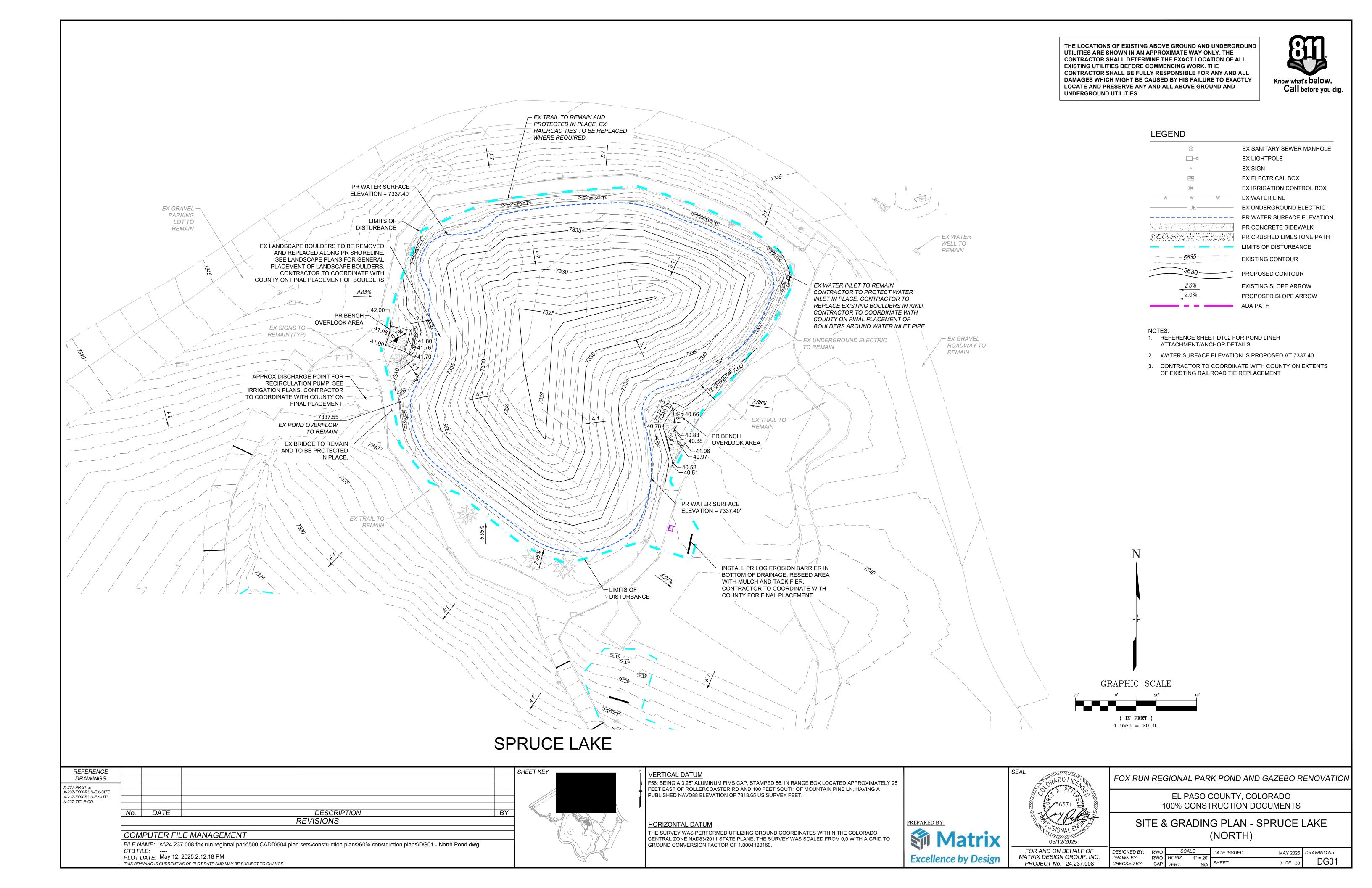


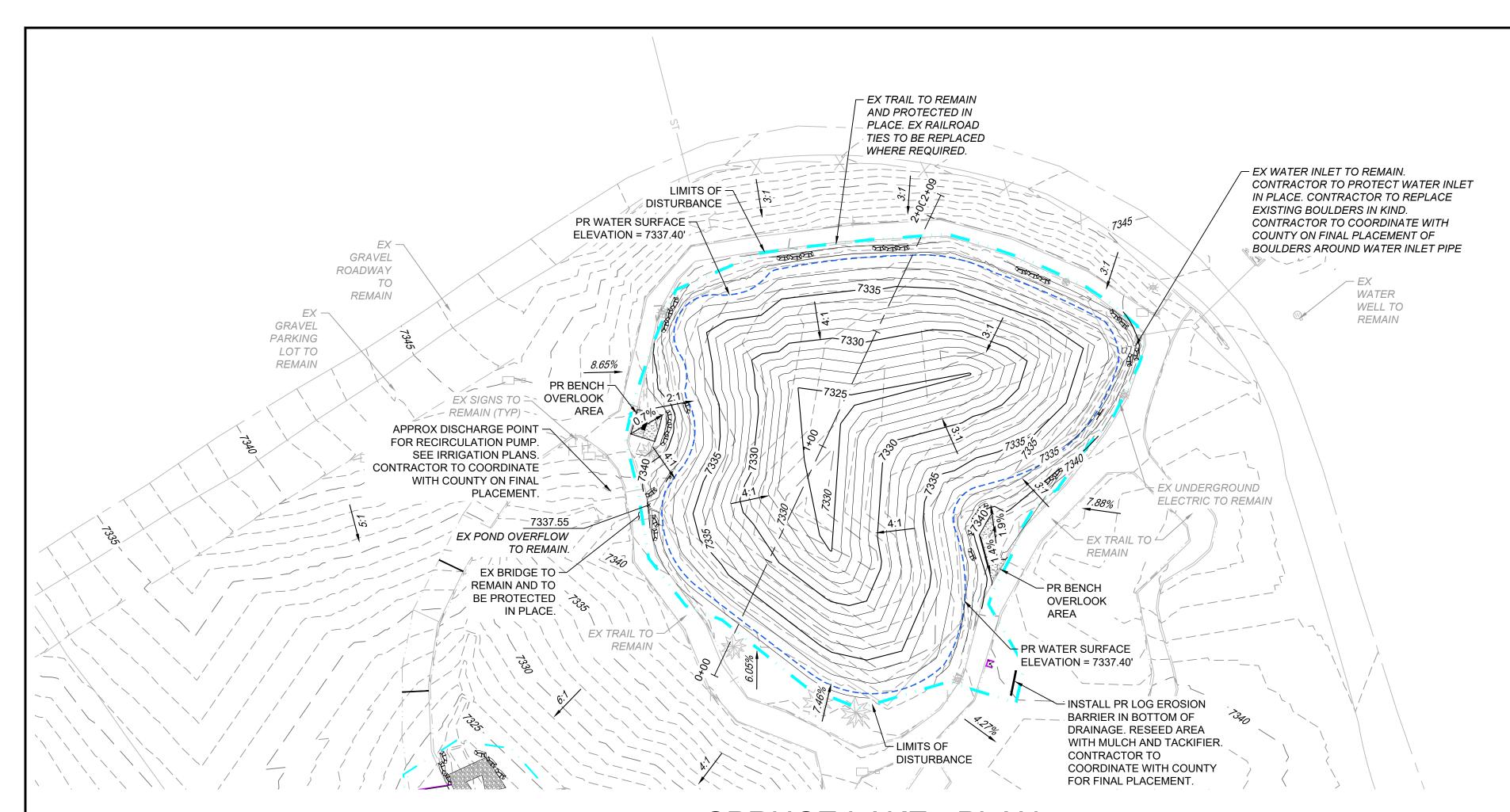








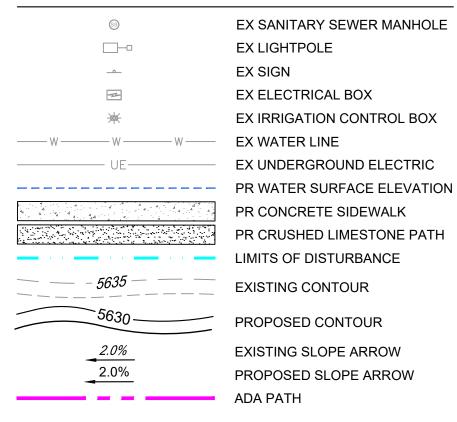




#### THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND **UNDERGROUND UTILITIES.**



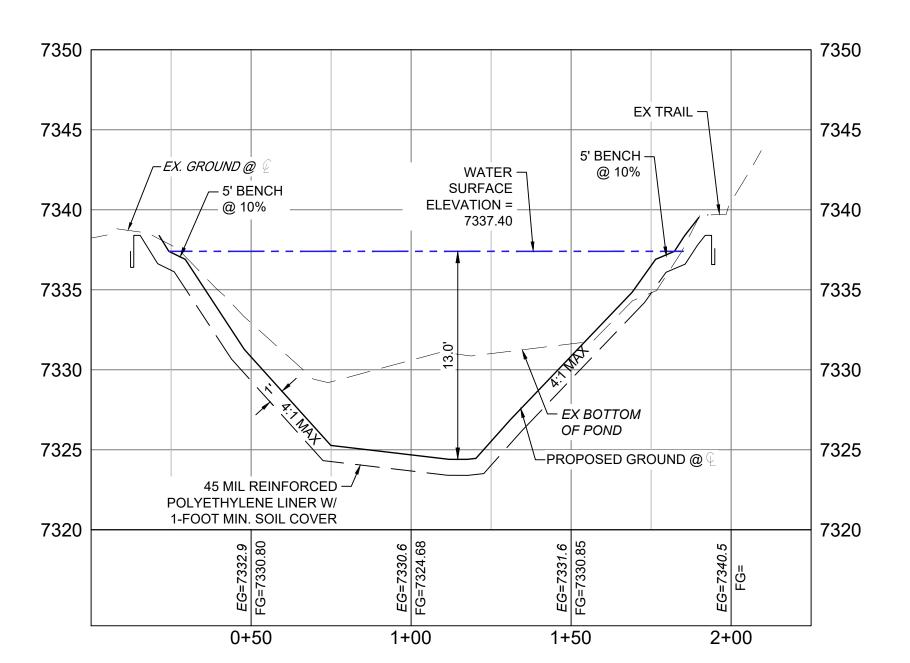
#### LEGEND



1. SLOPES ARE REQUIRED TO BE AT OR BELOW 3:1 MAX OUTSIDE OF POND BOUNDARIES AND AT OR BELOW 4:1 MAX WITHIN THE POND BOUNDARIES PER EL PASO COUNTY ENGINEERING CRITERIA MANUAL AND POND LINER SPECIFICATIONS.

- 2. POND LINER TO BE 45 MIL REINFORCED POLYETHYLENE LINER OR EQUIVALENT. LINER SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
- 3. A MINIMUM 1.0' DEPTH OF OVEREXCAVATION SHALL BE PERFORMED BENEATH THE POND LINER AND REPLACED WITH 1.0' OF CLEAN SOIL BENEATH THE POND LINER. SOIL SHALL BE CLEARED OF ANY ROCKS, ANGULAR MATERIAL GREATER THAN 1/2 - INCH IN DIAMETER, ORGANIC MATERIAL AND ANY OTHER REQUIREMENTS SET FORTH BY THE POND LINER MANUFACTURER. PROPOSED SURFACE PRESENTED ON PLANS REPRESENTS TOP OF SOIL PLACED OVER LINER.
- 4. A MINIMUM 1.0' DEPTH OF CLEAN SOIL SHALL BE PLACED OVER TOP OF THE POND LINER. SOIL SHALL BE CLEARED OF ANY ROCKS, ANGULAR MATERIAL GREATER THAN 1/2 - INCH IN DIAMETER, ORGANIC MATERIAL, AND ANY OTHER REQUIREMENTS SET FORTH BY THE POND LINER MANUFACTURER. SOIL PLACED ON TOP OF THE POND LINER SHALL BE PLACED FROM BOTTOM TO TOP WITH APPROPRIATE MACHINERY PER MANUFACTURER SPECIFICATIONS.
- 5. CONTRACTOR SHALL EXPORT ALL UNSUITABLE SOILS FROM POND EXCAVATION OFFSITE. UNSUITABLE SOILS ARE DEFINED WITHIN NOTES 3 AND 4 ABOVE.

## SPRUCE LAKE - PLAN



## SPRUCE LAKE - PROFILE

REFERENCE DRAWINGS					SHEET KEY			
-237-PR-SITE -237-FOX-RUN-EX-SITE -237-FOX-RUN-EX-UTIL -237-TITLE-CD								
	No. DATE DESCRIPTION BY REVISIONS							
	COMPUTER FILE MANAGEMENT							
	FILE NAME: s:\24.237.008 fox run regional park\500 CADD\504 plan sets\construction plans\60% construction plans\DG01 - North Pond.dwg CTB FILE: PLOT DATE: May 12, 2025 2:12:19 PM THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.							



F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



PREPARED BY:

**Excellence by Design** 

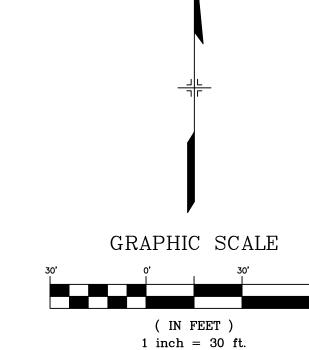


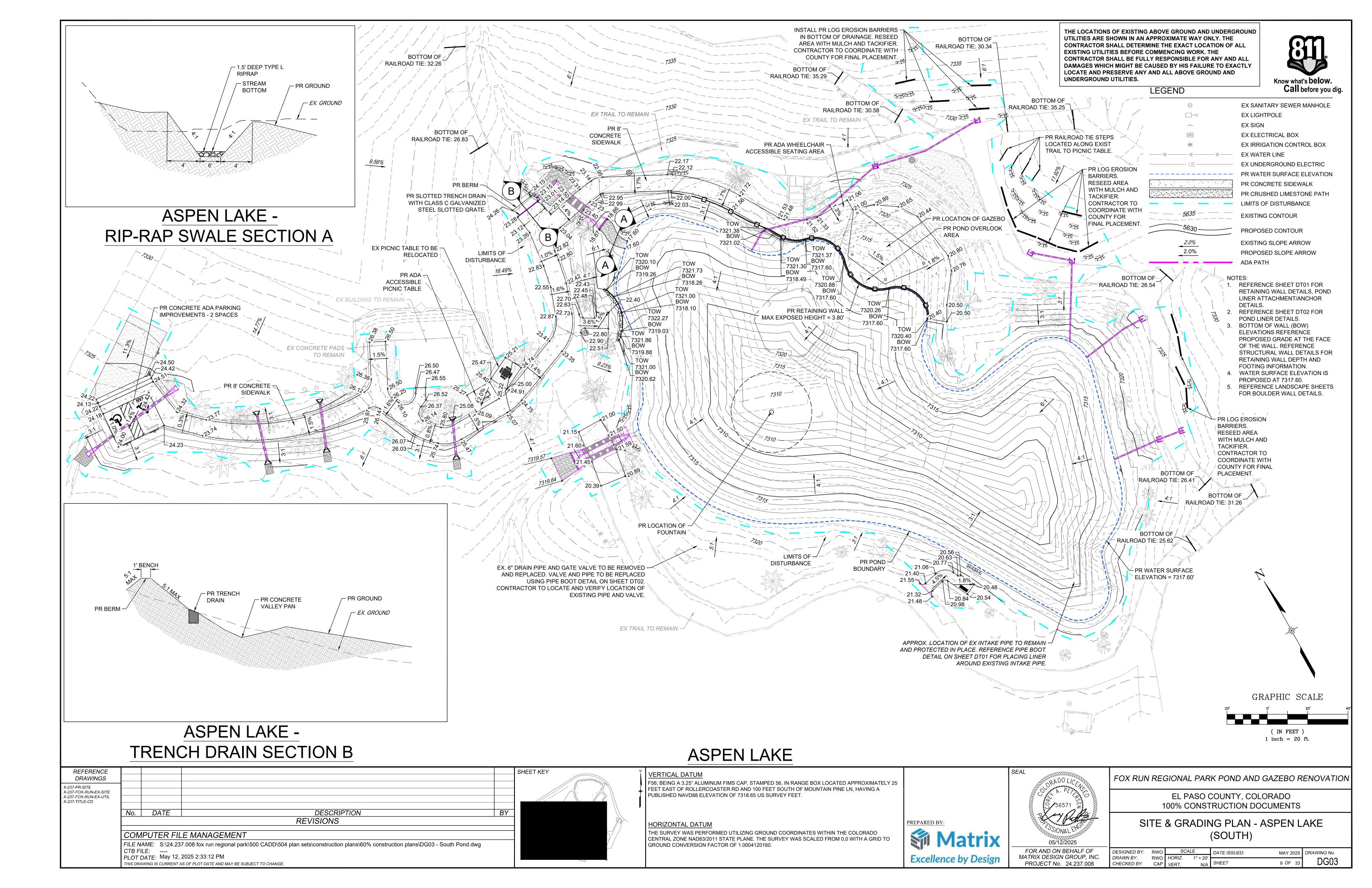
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 24.237.008

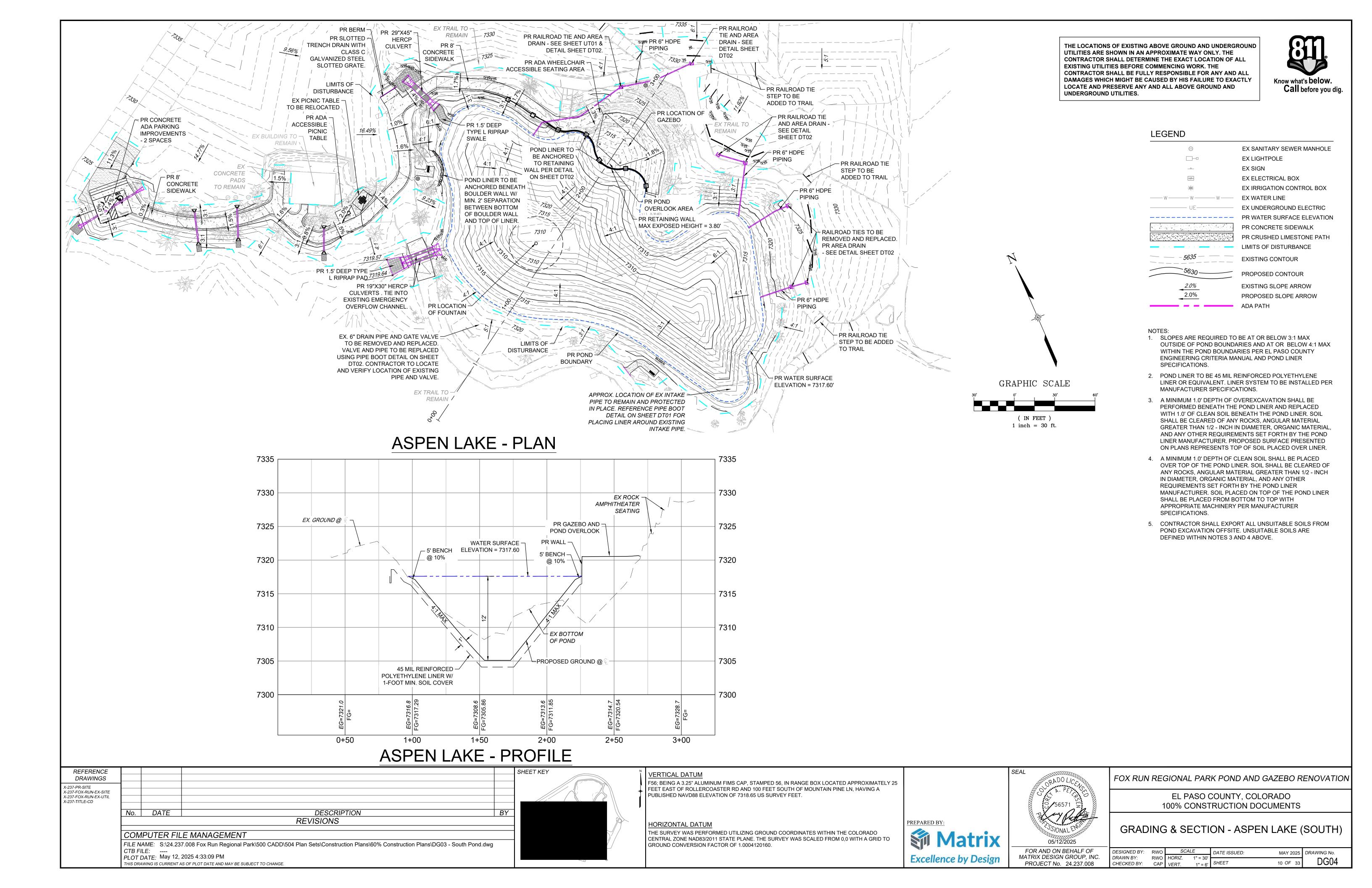
FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

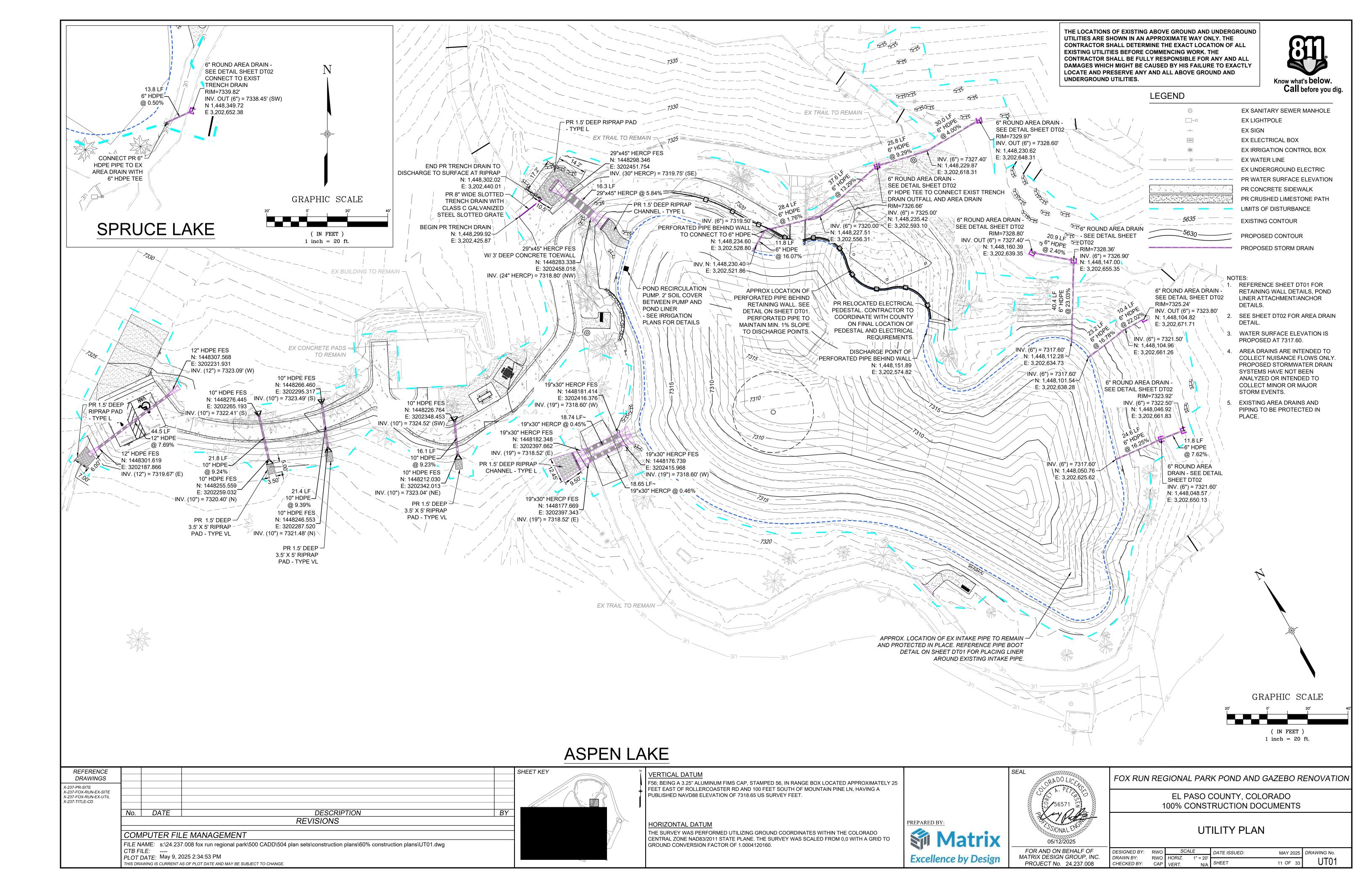
> SITE & GRADING PLAN - SPRUCE LAKE (NORTH)

				` ,		
DESIGNED BY:	RWO	SCA	ALE	DATE ISSUED:	MAY 2025	DRAWING No.
DRAWN BY:	-	HORIZ.	1" = 30'	SHEET	8 OF 33	DG02
CHECKED BY:	CAP	VERT.	1" = 6'	OFFICE	0 01 33	











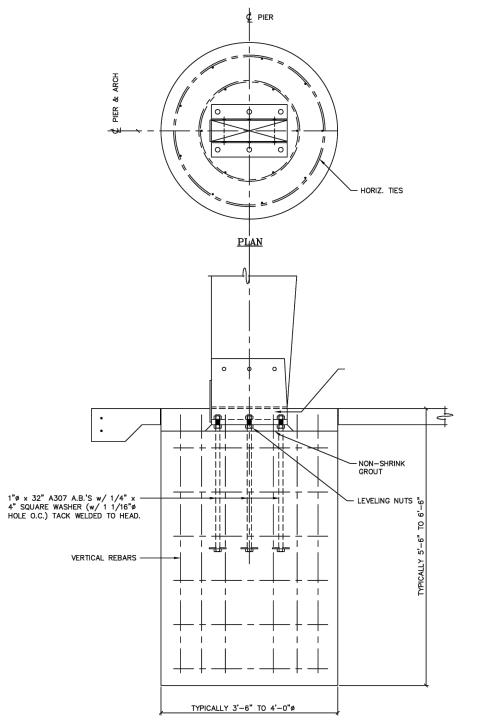
Model Name: LW-BS-A-HEX46-06

Dimensions: 46' wide x 21'-11" deep

Eave Height: 9'-0"

**GAZEBO** 

Total Approx. Area: 780 sq. ft.



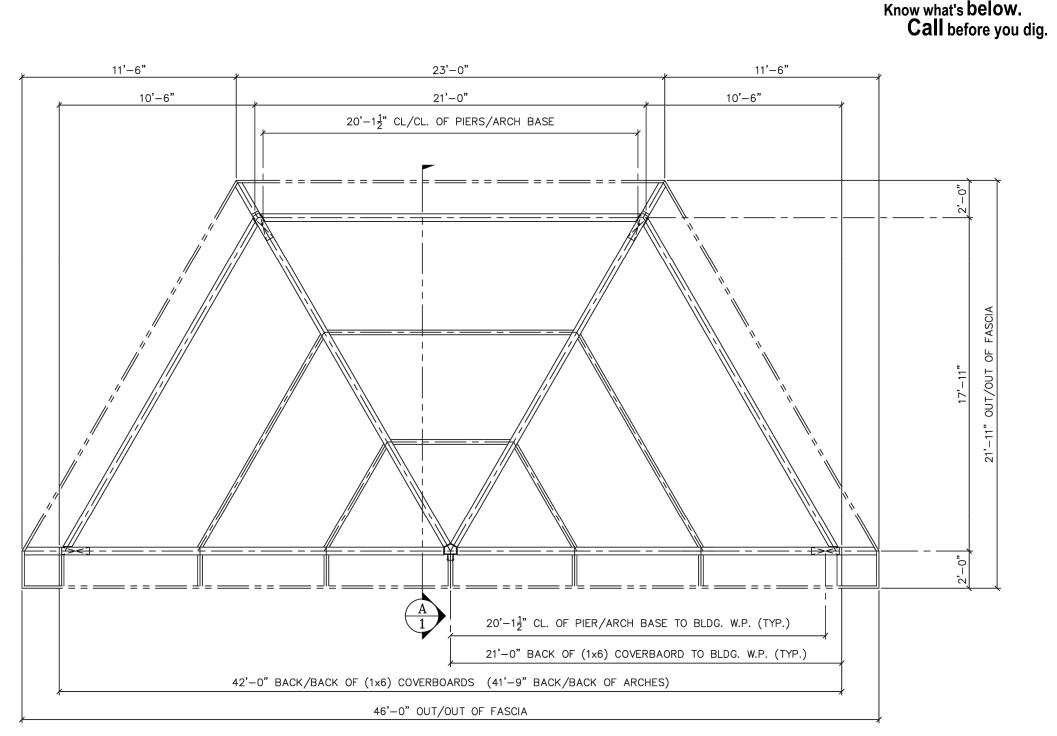
TYP. FOUNDATION DETAIL

5'-10<del>7</del>"

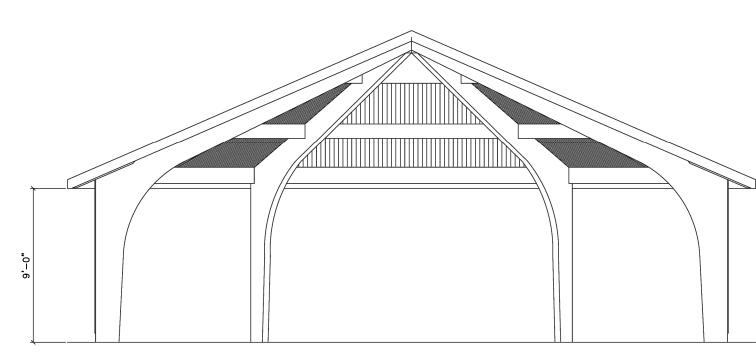
5'-10<del>7</del>"

ACTUAL DESIGN WILL VARY DUE TO BUILDING CODE REQUIREMENTS AND MAY BE SUBSTANTIALLY LARGER

PANELS (3'-0" COVERAGE PER SHEET) SHALL BE ATTACHED PER DETAILS ON SHEET 8 OVER(1) LAYER OF 30# FELT OVER 2x8 DECKING.



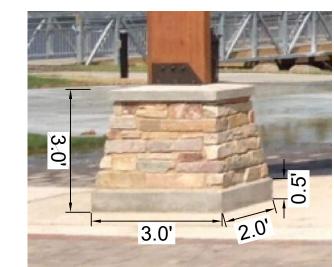
ROOF FRAMING PLAN



**ELEVATION** 

-PROPOSED GAZEBO TO BE RCP SHELTERS, INC MODEL LW-BS-A-HEX46-06 OR EQUIVALENT. CONTRACTOR TO COORDINATE WITH EL PASO COUNTY ON FINAL GAZEBO MANUFACTURER, MODEL, AND LOCATION.

-ALTERNATIVE BID: STONE VENEER AROUND COLUMN BASE. CONTRACTOR TO COORDINATE WITH COUNTY ON DETAILS IF ALTERNATE IS SELECTED.



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MATCH SHAPE AND AESTHETIC OF COLUMN PICTURED. 6 INCH CONCRETE AROUND BASE OF COLUMN. ROCK IS TO BE COLORADO BLEND LEDGE STONE MATCHING THE COLOR AND AESTHETIC OF NEARBY AMPHITHEATER BOULDERS.

SHEET KEY DRAWINGS X-237-EX-UTIL X-237-PR-SITE X-237-FOX-RUN-EX-SITE DESCRIPTION No. DATE REVISIONS COMPUTER FILE MANAGEMENT FILE NAME: s:\24.237.008 fox run regional park\500 CADD\504 plan sets\construction plans\60% construction plans\SD01.dwg PLOT DATE: May 9, 2025 2:35:14 PM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

- PR GAZEBO LOCATION

PROPOSED GAZEBO LOCATION

VERTICAL DATUM

SEE EAVE DETAIL— ON THIS SHEET.

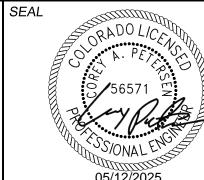
GRAPHIC SCALE

( IN FEET ) 1 inch = 10 ft.

> F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

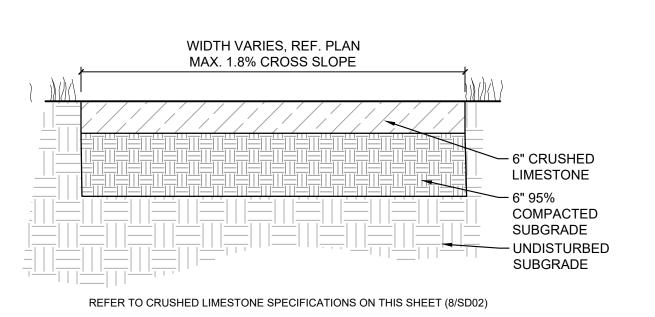
PROJECT No. 24.237.008

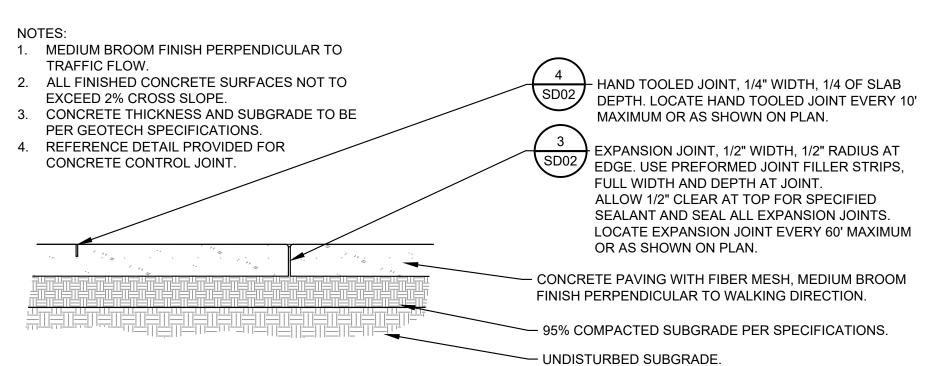
RADO LICENCO	FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION
S/56571 EV	EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS
Villy full so	

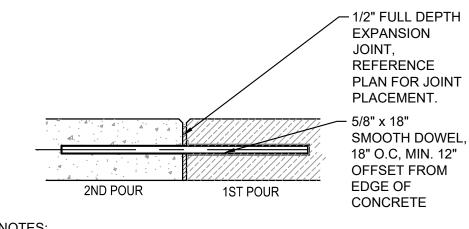
SITE DETAILS - GAZEBO

MAY 2025 DRAWING No. DRAWN BY: SD01 12 OF 33 CHECKED BY:









- HAND TOOLED JOINT 1/4" MIN @ 1" DEPTH, REFERENCE PLAN **FOR JOINT** PLACEMENT

1. AFTER PRELIMINARY TROWELING, CONCRETE SHALL BE SCORED WITH A STRAIGHT EDGE TO A DEPTH OF 1" @10' O.C. MAXIMUM OR AS SHOWN ON

1. POLYURETHANE CAULKING TO MATCH CONCRETE COLOR. 2. 1/2" PREMOLD FIBER EXPANSION JOINT @ 60' O.C. MAXIMUM

OR AS SHOWN ON PLAN. 3. ALL FINISH SURFACES TO DRAIN AT 2% CROSS SLOPE,

TYPICAL. 4. 95% COMPACTED SUBGRADE



MS-PR-FOX-12

**CONCRETE SECTION** 

MS-PR-FOX-01

**CONCRETE EXPANSION JOINT** MS-STD-PV-07



- SALVAGE BOULDERS FROM ONSITE WITHIN LIMITS OF DISTURBANCE, 18" MIN.- 36" - SURFACE MAX. IN ALL DIRECTIONS PER PLAN

- SLOPE NOT NOTES: TO EXCEED 4:1 OWNER AND/OR OWNER'S REPRESENTATIVE TO APPROVE BOULDER SELECTION AND LOCATIONS PRIOR TO INSTALLATION. · ½ MIN. BURIED 2. NOT ALL BOULDER WALLS WILL WARRANT NEED FOR

**BOULDER LANDSCAPE WALL** 

BOULDERS. 3. COORDINATE BOULDER LOCATIONS TO NOT **BLOCK IRRIGATION SPRAY** HEADS.

STACKING MULTIPLE

8' O.C. NOM. - TOP OF RAILING TO REMAIN PARALLEL WITH FINISH GRADE, TYP. - 1" FORERUNNER RAIL ─ 2" STEEL POST STEEL PICKETS - FINISH GRADE 3'-3/4" TYPICAL CONCRETE FOOTER OR SURFACE MOUNT PER STRUCTURAL PLANS.

- BASE BID: STD CONCRETE

MANUFACTURER: AMERISTAR FENCE PRODUCT: MONTAGE PLUS TYPE: MAJESTIC COLOR: PER OWNER HEIGHT: 42" WEBSITE: WWW.AMERISTARFENCE.COM

**GENERAL NOTES:** 

PHONE: 888-333-3422

1. FENCE SHOWN FOR ARCHITECTURAL MATERIALS AND FINISHES ONLY. SUBMIT SAMPLE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

- 2. TO BE INSTALLED PER
- MANUFACTURER'S SPECIFICATIONS. 3. CONTRACTOR TO STAKE FENCE LOCATIONS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 4. CONTRACTOR TO COORDINATE INSTALLATION WITH RETAINING WALL GEOGRID.
- 5. OR APPROVED EQUAL.



PREPARED BY:

**Excellence by Design** 

3" MIN.

1. Crushed Limestone Surfacing: This item consists of supplying, placing and compacting crushed limestone surfacing on the existing base material and/or newly placed base course trail platform as described in project specifications, or as directed by the Engineer. This material is sometimes labeled as "crushed limestone" or "breeze". Color of crushed limestone material to be red, tan, pinkish-white. No white or grey color material.

A conversion ratio of 1.75 tons/CY for limestone surfacing material will be used on this project. This ratio was determined by Proctor tests performed by the County on similar material from other projects and assumes 95% compaction. Contractor may perform Proctor tests at their expense to revise the ratio for the County's consideration. County may also perform a Proctor test and revise the ratio. Contractor is expected to place materials and quantities as stated in the specifications, estimated quantities sheet, and site maps. County will verify with measurements and truck tickets and pay up to quantities listed on the estimated quantities sheet and bid form. Crushed limestone surfacing shall consist of 3/8" minus crushed limestone to a compacted depth of 4" and meeting the following grading requirements:

Sieve Size % Passing							
% Passing							
100%							
70 - 100%							
45 - 70%							
30 - 55%							
20 - 45%							
7 - 15%							

The rock must be crushed into irregular and angular particles to allow interlocking into a tight matrix. The crushed rock must have adequate fines and some natural binders in order to cement the particles together after the fines are moistened, compacted, and allowed to dry. The fines, when laid to a depth of 4 inches, should bind to each other in a consolidated slab which is porous yet resistant to water falling on the surface. If the gradation of crusher fines does not meet the 7% passing the #200, clay fines may be added and mixed with the aggregate.

Crushed limestone surfacing shall be "dense grade" limestone. The material shall be uniform in quality and substantially free from extraneous material. Limestone shall be placed with a method that provides a finished surface of evenly mixed material

free from large pockets of separated rock. Crushed limestone material shall be within +/- 2% of the optimum moisture content at time of compaction.

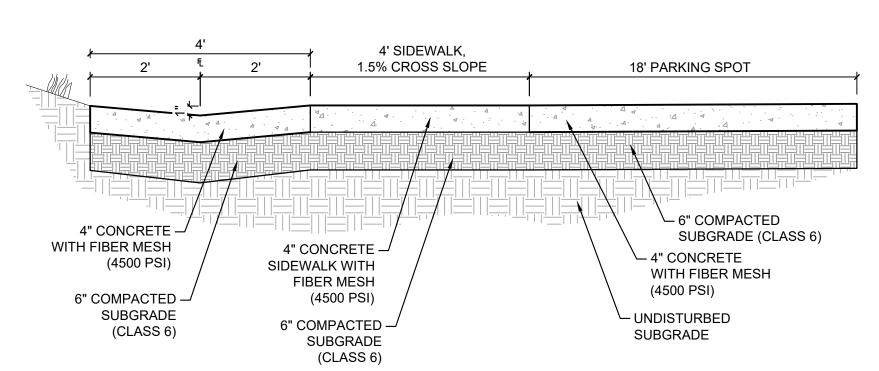
Crushed limestone shall be compacted by mechanical methods to 95% of Standard Proctor maximum dry density (per ASTM D698 or AASHTO T-99).

CRUSHED LIMESTONE SPECIFICATIONS 8

ALT BID: INTEGRATED COLOR CONCRETE IN DAVIS CANYON 160 OR EQUAL. SEE NOTES. 8' SIDEWALK, 1' BENCH 1.5% CROSS SLOPE 1' BENCH <sup>1</sup>□ 6" COMPACTED CRUSHED LIMESTONE. SEE SHEET SD02 FOR MATERIAL 6" COMPACTED CRUSHED -REQUIREMENTS. 6" COMPACTED -LIMESTONE. SEE SHEET SUBGRADE - 4" CONCRETE SD02 FOR MATERIAL (CLASS 6) SIDEWALK WITH REQUIREMENTS FIBER MESH (4500 PSI) - UNDISTURBED SUBGRADE

#### TYPICAL SIDEWALK CROSS SECTION

NOT TO SCALE NOTE: FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INTEGRATED COLOR CONCRETE INSTALLATION PROCEDURE. SEE SHEET SD02.



/-SLOPE TO DRAIN

FINISH GRADE

4' CONCRETE CROSS PAN & PARKING SPACE CROSS SECTION NOT TO SCALE

REFERENCE DRAWINGS					SHEET KEY		
X-237-TITLE-CD X-237-EX-UTIL X-237-PR-SITE X-237-FOX-RUN-EX-SITE	No.	DATE	DESCRIPTION REVISIONS	BY	-		
	COMPUTER FILE MANAGEMENT  FILE NAME: S:\24.237.008 Fox Run Regional Park\500 CADD\504 Plan Sets\Construction Plans\60% Construction Plans\SD01.dwg  CTB FILE: PLOT DATE: May 12, 2025 10:01:03 AM  THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.						

MS-PR-FOX-10

VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

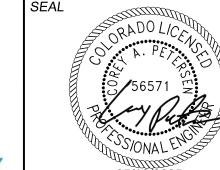
HORIZONTAL DATUM

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MATRIX DESIGN GROUP, INC.

PROJECT No. 24.237.008

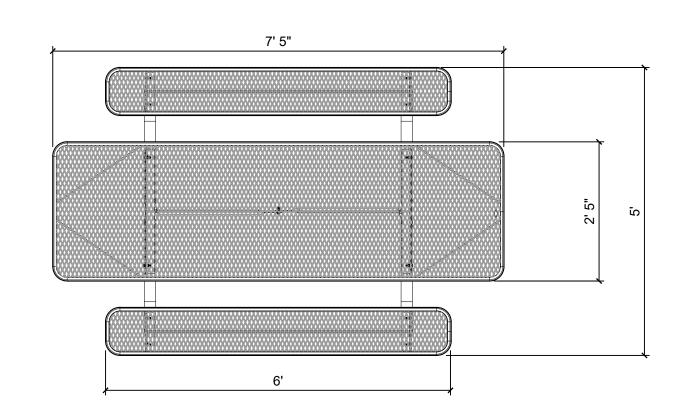


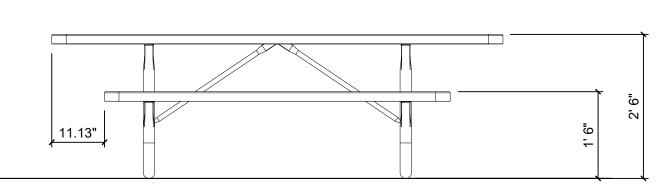
EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

SITE DETAILS

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

SCALE DESIGNED BY: DATE ISSUED: MAY 2025 DRAWING No. DRAWN BY: SD02 SHEET 13 OF 33 CHECKED BY:





- 1. MATCH EXISTING TABLE MANUFACTURER, AND COLOR.
- 2. ALL METAL FABRICATED PARTS ARE ETCHED, PHOSPHATIZED, PREHEATED, PRIMER POWDER COATED, AND FINAL COAT ELECTROSTATICALLY POWDER COATED.
- TABLE TO BE SURFACE MOUNTED AND ALLOW ADA ACCESS. TABLE TO ALLOW ADA ACCESSIBLE SEATING ON BOTH SIDES.
- FINAL PRODUCT TO BE +/- 6" FROM DIMENSIONS IDENTIFIED IN DETAIL. PROVIDE A PRODUCT SUBMITTAL TO OWNER AND/OR OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

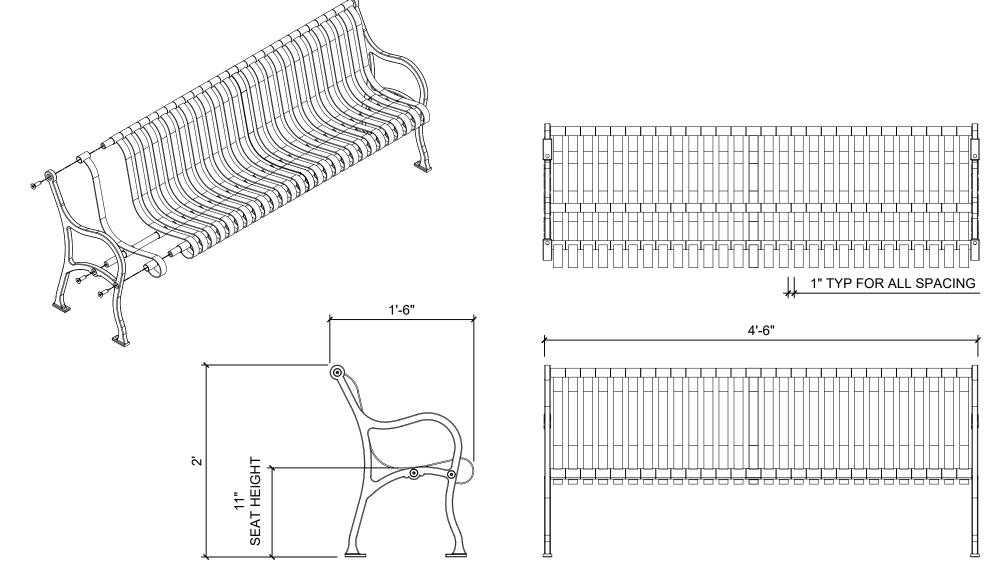




PHOTO EXAMPLE OF EXISTING BENCH ON-SITE

- 1. MATCH EXISTING BENCH MANUFACTURER, COLOR, SIZE, AND BACK STYLE.
- 2. ALL METAL FABRICATED PARTS ARE ETCHED, PHOSPHATIZED, PREHEATED, PRIMER POWDER COATED, AND FINAL COAT ELECTROSTATICALLY POWDER COATED.
- BENCH TO BE SURFACE MOUNTED. FINAL PRODUCT TO BE +/- 6" FROM DIMENSIONS IDENTIFIED IN DETAIL. PROVIDE A PRODUCT SUBMITTAL TO OWNER AND/OR OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

MS-PR-FOX-04

8' ADA ACCESSIBLE PICNIC TABLE

MS-PR-FOX-05

5' BENCH (MATCH EXISTING)

- MOUNT TO FRAME ASSEMBLY PLAN VIEW

- 1. MATCH EXISTING MANUFACTURE, TYPE, AND COLOR. 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- SURFACE MOUNT OR INSTALL WITH FOOTING AS APPROPRIATE FOR LOCATION. CONCRETE THICKNESS AND SUBGRADE TO BE PER GEOTECH SPECIFICATIONS.
- 4. OR APPROVED EQUAL BY OWNER.

TRASH RECEPTACLE

SIDE VIEW

PHOTO EXAMPLE OF RECEPTACLE ON SITE

MS-PR-FOX-14

SHEET KEY DRAWINGS X-237-EX-UTIL X-237-PR-SITE X-237-FOX-RUN-EX-SITE DESCRIPTION No. DATE REVISIONS COMPUTER FILE MANAGEMENT FILE NAME: s:\24.237.008 fox run regional park\500 CADD\504 plan sets\construction plans\60% construction plans\SD01.dwg PLOT DATE: May 9, 2025 2:35:18 PM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

PROJECT No. 24.237.008

**Excellence by Design** 

SITE DETAILS

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

EL PASO COUNTY, COLORADO

100% CONSTRUCTION DOCUMENTS

SCALE MAY 2025 DRAWING No. DESIGNED BY: DRAWN BY: SD03 14 OF 33 CHECKED BY:

Call before you dig.

PREPARED BY:

#### GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE LATEST CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 601 (STRUCTURAL CONCRETE) EXCEPT AS OTHERWISE MODIFIED.

ELEVATIONS SHOWN ON CONCRETE ARE TO THE TOP OF THE MEMBER, UNLESS OTHERWISE NOTED AND ARE SUBJECT TO FINAL FIELD ADJUSTMENT BY THE ENGINEER PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS TECHNIQUES, SEQUENCES AND PROCEDURES AS RELATED TO SHORING AND PROTECTION OF NEW AND EXISTING STRUCTURES AS NECESSARY TO PREVENT DAMAGE OR COLLAPSE DUE TO WIND, EARTH, CONSTRUCTION OR OTHER LOADS.

THE CONTRACTOR IS RESPONSIBLE TO CHECK AND VERIFY ALL GRADES AND ALIGNMENTS TO ASSURE CONFORMANCE TO THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL INFORM THE PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES OR

PRIOR TO ANY CONSTRUCTION. EXISTING UTILITY LOCATION AND ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY.

THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO POURING CONCRETE FOR STRUCTURES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES

THE CONTRACTOR SHALL CAREFULLY STUDY THE CONTRACT DOCUMENTS AND SHALL IMMEDIATELY REPORT IN WRITING TO THE PROJECT MANAGER ANY ERROR, CONFLICT, INCONSISTENCY, OR OMISSION THAT MAY BE DISCOVERED AND SHALL OBTAIN SPECIFIC WRITTEN INSTRUCTION FROM THE DESIGN ENGINEER BEFORE PROCEEDING WITH THE WORK.

THE CONTRACTOR SHALL NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY FIELD CONDITIONS NOT CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND/OR CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING A PROPER CONSTRUCTION SEQUENCE SUCH THAT THE COMPLETED WORK WILL NOT BE DAMAGED BY SUBSEQUENT WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF WATER DURING CONSTRUCTION INCLUDING POTENTIAL HIGH STORM WATER AND SHALL PROTECT SUCH WORK AS WELL AS COMPLETED WORK FROM THOSE FLOWS.

#### CONCRETE:

- ALL CONCRETE, NOT OTHERWISE NOTED (CDOT CLASS D)......f'c - 4,500 PSI

- REINFORCING STEEL (ASTM A-615): ALL REINFORCING SHALL BE EPÓXY COATED

#4 AND LARGER (GRADE 60).....Fy = 60,000 PSI

PLACE CONCRETE IN FOOTING SLAB AGAINST UNDISTURBED SUITABLE FOUNDATION MATERIAL OR STABILIZED SUBGRADE MATERIAL OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. NO CONSTRUCTION DEWATERING WILL BE ALLOWED FROM WITHIN THE FOOTING FORM. ALL CONSTRUCTION DEWATERING WILL BE ACCOMPLISHED IN A MANNER THAT DOES NOT DISTURB THE STRUCTURE FOUNDATION ZONE.

ALL SPLICES IN REINFORCEMENT SHALL BE AS DETAILED ON THE DRAWINGS OR AS APPROVED BY THE DESIGN ENGINEER. IF SPLICE LENGTHS ARE NOT DETAILED, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER FOR REQUIRED SPLICE LENGTHS. ALL REINFORCING WILL BE WIRE TIED, NO TACK WELDING OF REINFORCEMENT WILL BE ALLOWED.

CONCRETE COVER FOR STEEL REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

CONCRETE PLACED AGAINST EARTH ... CONCRETE EXPOSED TO EARTH OR WEATHER ...

ALL BARS IN CONCRETE WALLS SHALL BE CONTINUOUS AROUND CORNERS, OR CORNER BARS OF EQUAL SIZE AND SPACING SHALL BE PROVIDED. SPLICES IN ADJACENT TOP AND BOTTOM BARS IN FOUNDATION WALLS SHALL BE STAGGERED 4'-0" MINIMUM WHERE POSSIBLE.

18"X ¾"ø SMOOTH ROUND

\ 3" CLR.

~ EXPANSION

MATERIAL

JOINT

STEEL BAR WITH EXPANSION

CAP CENTERED IN WALL @ 24"

FILL W/VERT. NON-SAG

SEALANT BOTH SIDES -

#### WALL DESIGN DATA

ASCE/SEI 7-16: MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

INTERNATIONAL BUILDING CODE 2021 (IBC 2021)

#### ASSUMED LOADING AND GEOTECHNICAL PROPERTIES:

\*ALL ASSUMED LOADING AND GEOTECHNICAL PROPERTIES LISTED BELOW SHALL BE CONFIRMED BY CONTRACTOR. ENGINEER SHALL BE NOTIFIED OF ANY DEVIATIONS FROM THE LISTED DESIGN VALUES.

ACTIVE DRAINED EARTH PRESSURE (CDOT CLASS 1 STRUCTURE BACKFILL): EFPUNSAT=40 PSF

- SOIL UNIT WEIGHT: = 135 PCF
- PASSIVE EARTH PRESSURE = 250 PCF
- ALLOWABLE BEARING PRESSURE = 1,500 PSF COEF OF SLIDING FRICTION = 0.35
- PEDESTRIAN SURCHARGE = 1 FT
- NO GAZEBO SURCHARGE LOADING IS APPLIED.

WATER

CENTERBULB SIKA

4"xढ़" RIBBED

GREENSTREAK

WATERSTOP ~

CONTACT

SURFACE

#### JOINTING NOTES

- 1. WALL EXPANSION JOINTS TO MATCH FLATWORK EXPANSION JOINTS WITH A MAXIMUM SPACING OF 24 FT.
- 2. WALL CONTRACTION JOINTS TO MATCH FLATWORK SAW-CUT JOINTS WITH A MAXIMUM SPACING OF 8 FT.

#### BASE BID/BID ALTERNATE:

#### 1. <u>BASE BID</u>

1.1. CONTRACTOR TO PROVIDE BASE BID WITH FLAT FINISH AND STANDARD CONCRETE FOR WALL

#### 2. <u>BID ALTERNATE</u>

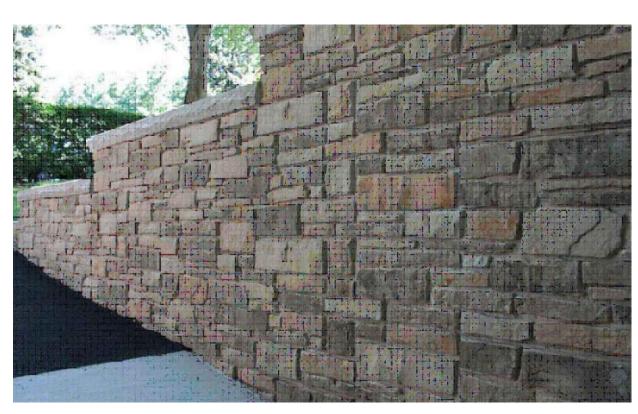
\*DO NOT EXTEND JOINTS THROUGH FOOTING

- WATER CONTACT SURFACE

34" CHAMFER

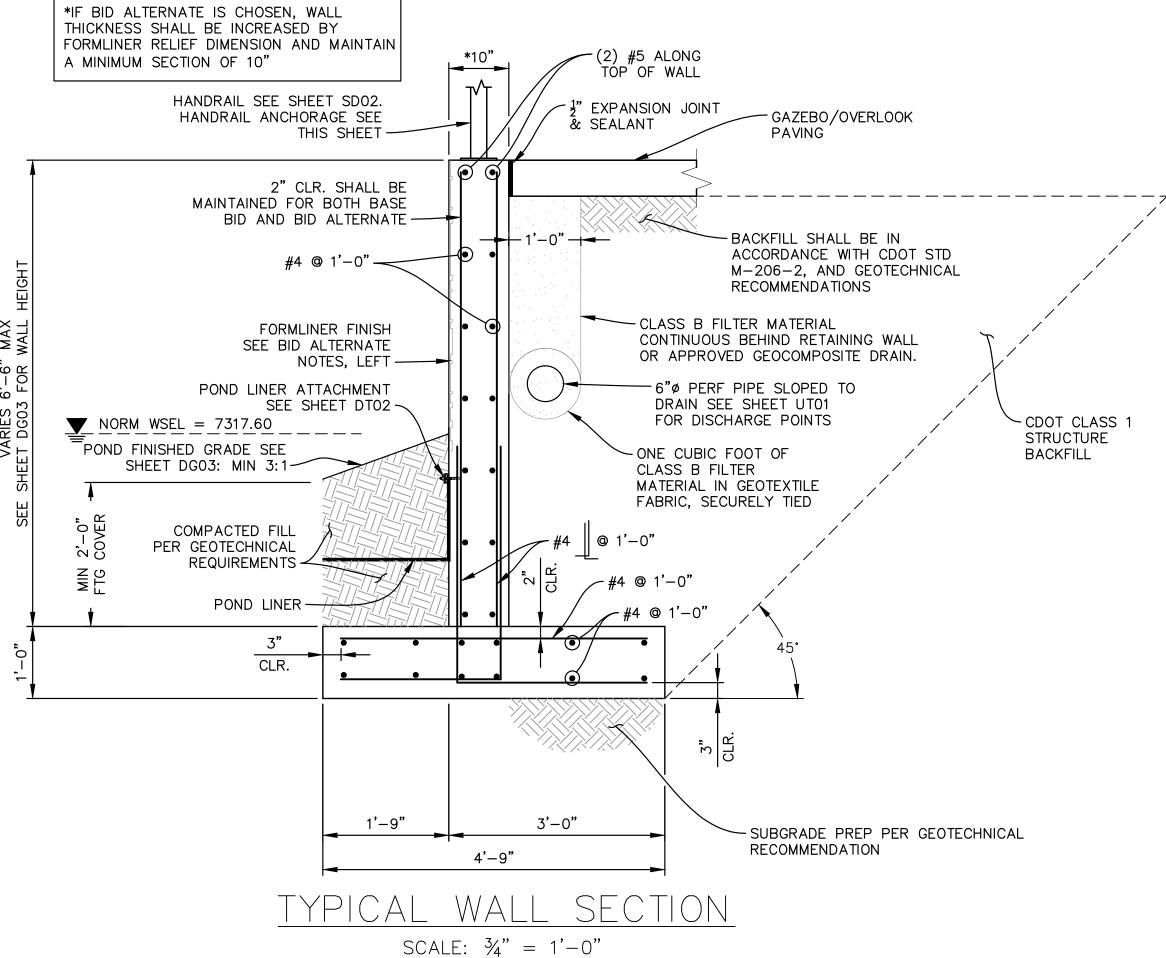
CONTRACTION JOINT

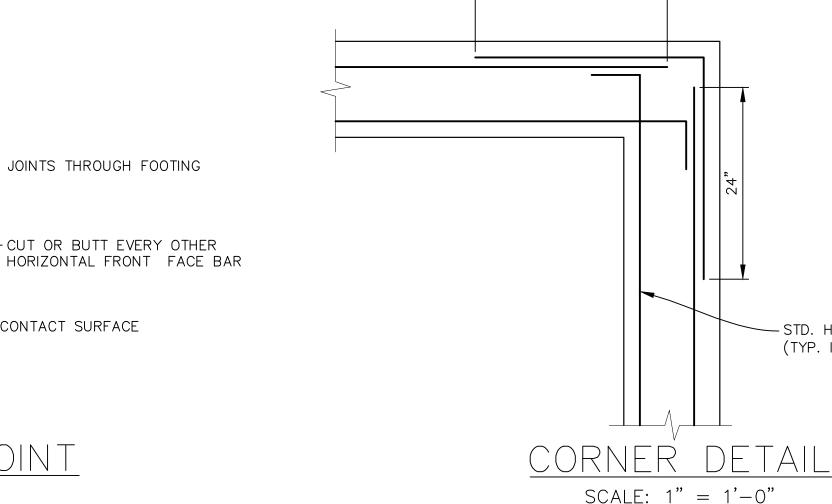
- 2.1. CONTRACTOR TO PROVIDE BID ALTERNATE UTILIZING INTEGRATED COLOR CONCRETE IN DAVIS CANYON 160 OR APPROVED EQUAL.
- 2.2. CONTRACTOR TO PROVIDE BID ALTERNATE FOR FORMLINER FINISH APPLIED ON EXPOSED WALL FACE TO 6 INCHES BELOW FINISHED GRADE. SEE SAMPLE FORMLINER IMAGE BELOW. WALL THICKNESS SHALL BE INCREASED BY FORMLINER RELIEF DIMENSION AND MAINTAIN A MINIMUM SECTION OF 10".
- 2.3. FORMLINER TO BE SUBMITTED TO OWNER AND ENGINEER FOR APPROVAL

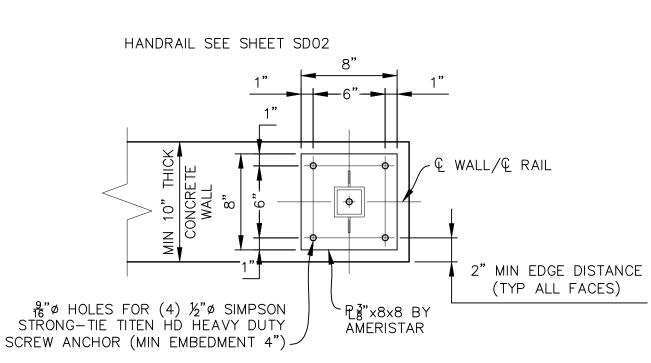


FORMLINER WALL SAMPLE SCALE: N.T.S.









HANDRAIL WALL ANCHORAGE SCALE: 1-1/2" = 1'-0"

		SCALE: $1" = 1'-0"$		SCALE: 1'	' = 1	'-0"		
REFERENCE DRAWINGS X-237-TITLE-CD						SHEET KEY		
	No. DAT	E	DESCRIPTION REVISIONS		BY			
	COMPUTER FILE MANAGEMENT  FILE NAME: s:\24.237.008 fox run regional park\500 CADD\504 plan sets\construction plans\60% construction plans\DT01.dwg  CTB FILE:  PLOT DATE: May 12, 2025 9:02:38 AM  THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.							

VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

24"

#### HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.

PREPARED BY: **Excellence by Design** 

-STD. HOOK

(TYP. INSIDE FACE)



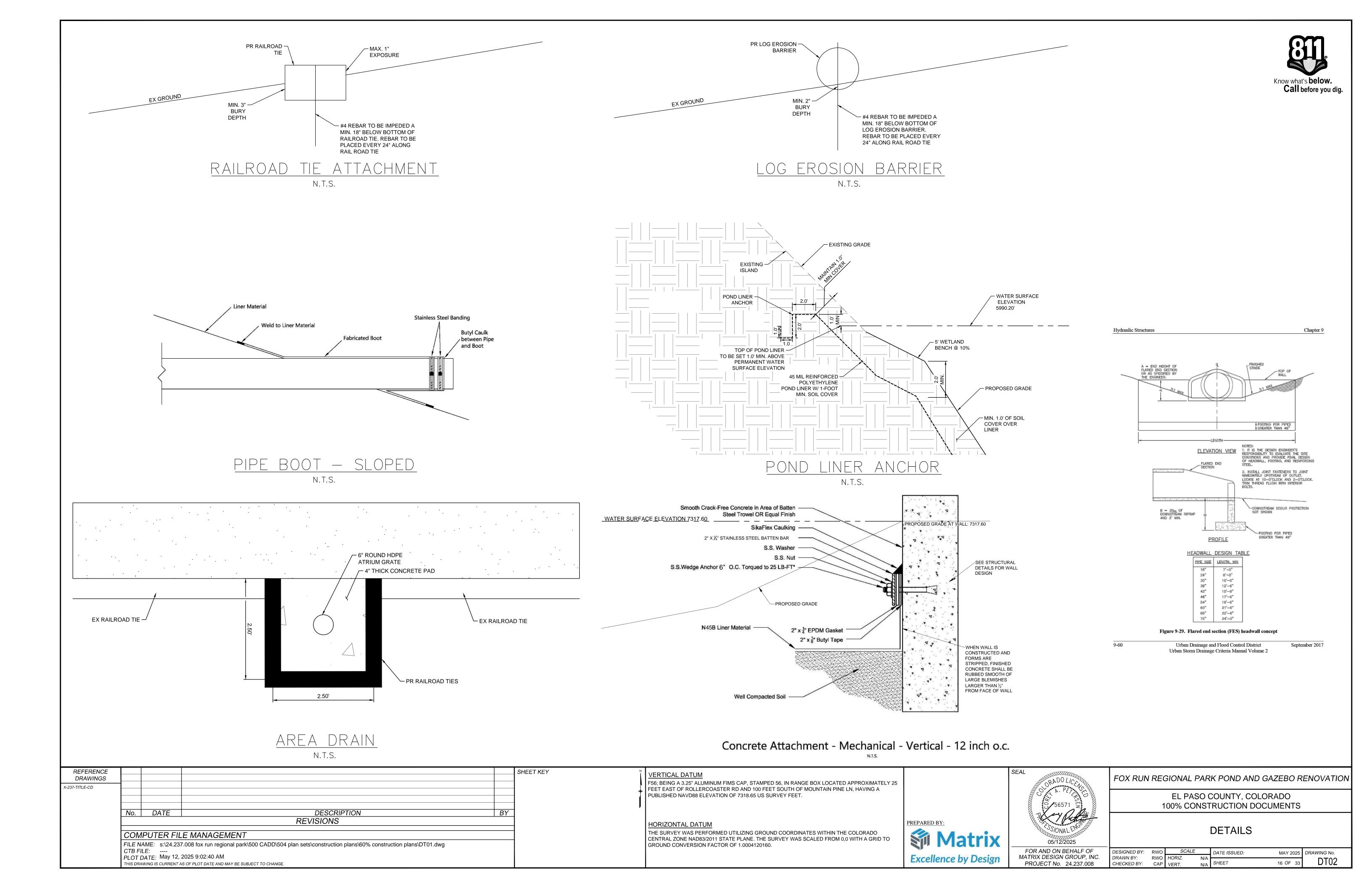
PROJECT No. 24,237,008

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION EL PASO COUNTY, COLORADO

## **DETAILS**

100% CONSTRUCTION DOCUMENTS

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.	DESIGNED BY: DRAWN BY:	KSL	SCALE HORIZ.	NI/A	DATE ISSUED:	MAY 2025	DRAWING No.
PROJECT No. 24 237 008	CHECKED BY:	KSL CAP	VERT	N/A	SHEET	15 OF 33	DT01



- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE OWNER'S REPRESENTATIVE FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
- 2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE DRAWINGS, NOTATIONS, DETAILS AND SPECIFICATIONS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
- 3. LANDSCAPE NOTES AND LANDSCAPE DETAILS PROVIDED APPLY FOR ENTIRE SCOPE OF WORK SHOWN ON LANDSCAPE
- 4. LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY TO FURNISH AND INSTALL LANDSCAPE ELEMENTS AND PLANTINGS AS SPECIFIED HEREIN AND AS SHOWN ON THESE PLANS.
- REPORT ANY DISCREPANCIES IN THE LANDSCAPE PLANS IMMEDIATELY TO THE OWNER/ OWNER'S REPRESENTATIVE.
- 6. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANT LIST AS DEEMED NECESSARY.
- ALL PLANT LOCATIONS ARE APPROXIMATE, ADJUST AS NECESSARY TO AVOID CONFLICTS.
- 8. QUANTITIES OF MATERIALS SHOWN IN PLANT SCHEDULE TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE LANDSCAPE PLAN. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN PLANT
- 9. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE WORK. UTILITIES HAVE BEEN SHOWN ON PLAN FOR ROUGH LOCATION OF SERVICES. LOCATE EXACT UTILITY LOCATIONS BY CONTACTING "CALL BEFORE YOU DIG" AT (800) 922-1987 OR 811. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED TO UTILITIES.
- 10. REMOVE ALL RUBBISH, EQUIPMENT AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.
- 11. STORAGE OF ANY MATERIALS, BUILDINGS, VEHICLES OR EQUIPMENT, FENCING AND WARNING SIGNS SHALL BE MAINTAINED THROUGHOUT THE SITE WORK AND CONSTRUCTION PERIODS BY THE CONTRACTOR.
- 12. CONTRACTOR TO UTILIZE STOCKPILED TOPSOIL FROM GRADING OPERATION AS AVAILABLE. TILL INTO TOP 6" OF SOIL. FOR GRADING SEE CIVIL ENGINEER DRAWINGS.
- 13. A 3' DIAMETER CLEAR SPACE SHALL BE MAINTAINED AROUND ALL FIRE HYDRANTS.

#### TREE AND SHRUB PLANTING NOTES

- ALL TILLING OF PLANTING BEDS AND PLACEMENT OF BACKFILL IS TO OCCUR JUST PRIOR TO PLANTING; THEREAFTER, PROTECTION FROM COMPACTION AND CONSTRUCTION TRAFFIC SHOULD BE PROVIDED.
- 2. ALL TREE AND SHRUB LOCATIONS ARE APPROXIMATE; ADJUST AS NECESSARY TO AVOID CONFLICTS. OBTAIN OWNER OR OWNER'S REPRESENTATIVE'S APPROVAL OF LOCATIONS PRIOR TO PLANTING TREES AND SHRUBS.
- 3. ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY AND DISEASE-FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE COLORADO NURSERY ACT OF 1965 - TITLE 35, ARTICLE 25, CRS 1974 (SEE LANDSCAPE THE NURSERY
- 4. OWNER AND OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT AT ANY TIME OR PLACE PRIOR TO FINAL ACCEPTANCE OF WORK, ANY AND ALL PLANTS WHICH, IN THEIR OPINION, FAIL TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS.
- 5. AT THE COMPLETION OF PLANTING OPERATIONS ALL PLANTS SHALL BE INSPECTED BY THE OWNER AND OWNER'S REPRESENTATIVE. CONTRACTOR SHALL REPLACE IMMEDIATELY ANY PLANTS NOT IN HEALTHY AND VIGOROUS CONDITION AT THAT TIME AT NO EXPENSE TO THE OWNER. ANY PLANT NOT IN HEALTHY CONDITION DURING THE WARRANTY PERIOD SHALL BE REPLACED AS PER THE ORIGINAL SPECIFICATIONS, AT NO CHARGE TO THE OWNER.
- 6. PLANTING BEDS RECEIVING MULCH ARE TO BE FREE OF WEEDS AND GRASS. WOOD MULCH IS TO BE SHREDDED CEDAR WOOD MULCH UNLESS OTHERWISE SPECIFIED. POROUS WEED BARRIER FABRIC AS NOTED IN THE SPECIFICATIONS, SHALL BE INSTALLED WHERE NOTED IN THE DETAILS.
- 7. ALL PLANT MATERIALS SHALL HAVE BACKFILL CAREFULLY PLACED AROUND BASE AND SIDES OF BALL TO TWO-THIRDS (2/3) DEPTH OF BALL, THEN THOROUGHLY SOAKED WITH WATER TO ALLOW SETTLEMENT. ALL WIRE, BURLAP FASTENERS AND LOOSE BURLAP AROUND BASE OF TRUNK SHALL BE REMOVED AT THIS TIME. REMAINDER OF PIT SHALL THEN BE BACKFILLED, ALLOWING FOR DEPTH OF MULCH, SAUCER AND SETTLEMENT OF BACKFILL. BACKFILL SHALL THEN BE THOROUGHLY WATERED AGAIN.
- 8. LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES, TREE WRAP, AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.
- 9. ALL WORK ON TREES TO REMAIN, INCLUDING CROWN AND ROOT PRUNING SHALL BE PERFORMED BY A TREE SERVICE LICENSED BY THE CITY FORESTER.
- 10. THE CONTRACTOR SHALL PROVIDE ALL WATER. WATERING DEVICES AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS UNTIL AUTOMATIC IRRIGATION SYSTEMS ARE OPERATIONAL AND ACCEPTED. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANT'S HEALTHY CONDITION BASED ON SEASONAL CONSIDERATIONS.
- 11. ALL PLANT MATERIALS SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS THAT CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESICCANT TO LEAVES BEFORE TRANSPORT TO REDUCE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESICCANT AFTER PLANTING TO REDUCE TRANSPIRATION.
- 12. AFTER PLANTING IS COMPLETED, REPAIR INJURIES TO ALL PLANTS AS REQUIRED. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. CENTRAL LEADERS SHALL NOT BE REMOVED.

#### EXISTING VEGETATION NOTES

- 1. EXISTING TREES TO BE EVALUATED FOR HEALTH, PRUNING AND IMPACT TO HISTORIC VIEW CORRIDORS
- 2. PLANT MATERIAL TO BE REMOVED IF THE SPECIES IS UNDESIRABLE IE: NOXIOUS WEED OR AN INVASIVE SHRUB OR TREE.
- 3. ALL VEGETATION DESIGNATED TO REMAIN SHALL BE FENCED OFF DURING CONSTRUCTION TO MINIMIZE DISTURBANCE IN THESE AREAS. ALL FENCING IS TO BE INSTALLED PRIOR TO GRADING ON THE PROPERTY. A 4' ORANGE CONSTRUCTION SAFETY FENCE SHALL BE USED IN THIS APPLICATION.
- 4. ALL EXISTING TREES DESIGNATED TO REMAIN WILL NEED TO BE REPLACED IF NOT IN A HEALTHY CONDITION.

#### WETLAND AND DIDADIAN STABILIZATION DI LIC MIX

_	WETLAND AND RIPARIAN STABILIZATION PLUG MIX										
	COLENTIFIC NAME	COMMONINAME	WETLAND CTATUS	DEDOENT MIX	0175	OD A OINIO	OLIANITITY	М			
⊢	SCIENTIFIC NAME	COMMON NAME	WETLAND STATUS	PERCENT MIX	SIZE	SPACING	QUANTITY	RI			
	CAREX NEBRASCENSIS	NEBRASKA SEDGE	OBL	20	10 CI	12"	356	VI			
	JUNCUS BALTICUS	BALTIC RUSH	OBL	20	10 CI	12"	356	V1			
	PANICUM VIRGATUM	SWITCHGRASS	FAC	30	10 CI	24"	134				
	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	FACU	10	10 CI	18"	79	-			
	SCHOENOPLECTUS TABERNAEMONTANI	SOFT-STEM BULRUSH	OBL	20	10 CI	18"	158				
		TOTAL		100			1083	1V			

#### **SEEDING NOTES**

- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EROSION CONTROL MEASURES DURING THE DURATION OF WORK ON-SITE.
- GENERAL CONTRACTOR SHALL PROVIDE 4" OF TOPSOIL AT ALL PLANTING AREAS. GRADE SHALL BE ADJUSTED FOR GROUND COVER THICKNESS.
- ALL FINISH GRADING AND REQUIRED SOIL AMENDMENTS SHALL BE PERFORMED BY LANDSCAPE CONTRACTOR
- ALL AREAS TO BE SEEDED SHALL BE TILLED AS SPECIFIED AND THEN HARROWED, RAKED OR ROLLED TO PRODUCE A FIRM SEED BED FOR PLANTING. IMPORTED TOPSOIL MAY BE REQUIRED TO PROVIDE AN ACCEPTABLE PLANTING MEDIUM. LARGE ROCKS (1 INCH DIAMETER) AND DEBRIS THAT MAY IMPEDE SEEDING SHALL BE CLEARED FROM THE SITE. ANY REQUIRED EROSION CONTROL FEATURES (E.G., WATER BARS, BERMS, BASINS, TURNOUTS) SHALL BE CONSTRUCTED PRIOR TO SEEDING. SITES THAT ARE NOT ADEQUATELY PREPARED PRIOR TO SEEDING (E.G., COMPACTED SOIL, INSUFFICIENT TOPSOIL, ROCKY, ERODED SURFACE, ETC.) SHALL BE REJECTED.
- ALL SPECIFIED SEED MIXES SHALL CONSIST OF CERTIFIED SEED VARIETIES THAT ARE FREE OF NOXIOUS WEEDS AND HAVE BEEN TESTED FOR PURITY AND GERMINATION WITHIN SIX MONTHS OF THE PLANTING DATE. SEED LOT CERTIFICATION INCLUDING SEED LOT ANALYSES WHICH INDICATE THE SPECIES, PURITY, GERMINATION, WEED CONTENT, ORIGIN, AND TEST DATE SHALL BE SUBMITTED FOR ALL SEED
- SEEDING SHALL OCCUR DEPENDING ON THE PROJECT SCHEDULE, IT IS PREFERABLE THAT SEEDING OCCUR DURING THE FALL (SEPTEMBER-NOVEMBER) OR SPRING (MARCH-MAY) TO MAXIMIZE PLANTING SUCCESS. IF THE PROJECT SCHEDULE DOES NOT COINCIDE WITH THE PREFERRED SEEDING PERIODS, OR IF THERE ARE UNSUITABLE SITE CONDITIONS (I.E. FROZEN GROUND), THEN SOIL STABILIZATION AND/OR STORM WATER BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED TO STABILIZE THE AREA UNTIL THE NEXT APPROPRIATE SEEDING DATE. ANY SEEDING CONDUCTED OUTSIDE THE PREFERRED MONTHS SHALL BE APPROVED BY THE OWNER.
- SEEDING METHOD: DRILL SEEDING OR BROADCAST SEEDING SHALL BE USED. THE SIZE AND SLOPE OF THE SEEDED AREA SHALL DETERMINE WHICH SEEDING METHOD(S) IS APPROPRIATE AND ACCEPTABLE. REFER TO MANUFACTURER'S SPECIFICATIONS FOR ADJUSTING SEEDING RATES FOR APPLICATIONS DIFFERING FROM THE SEED MIX TABLE.
- A. SLOPES LESS THAN 3:1 SEED SHALL BE PLANTED USING A RANGELAND DRILL. SEEDING SHALL BE ACCOMPLISHED USING BI-DIRECTIONAL DRILLING AND FOLLOWING THE SLOPE CONTOUR FOR THE FINAL PASS. THE DRILL EQUIPMENT SHALL BE CALIBRATED EACH DAY OR WHENEVER THERE IS A CHANGE IN THE SEED MIX TO ENSURE PROPER SEED DISTRIBUTION AND RATE.
- B. SLOPES GREATER THAN 3:1 OR AREAS LESS THAN 0.10 ACRE SEED SHALL BE BROADCAST BY HAND OR MECHANICAL SPREADER. BROADCAST SEEDED AREAS SHALL BE RAKED OR HARROWED TO INCORPORATE THE SEED INTO THE SOIL AT A DEPTH NOT EXCEEDING 0.75 INCHES.
- BROADCAST SEEDING SHALL BE AVOIDED WHEN WIND SPEED EXCEEDS 15 MILES PER HOUR.
- ALTERNATIVE METHODS TO BE REVIEWED AND APPROVED BY OWNER AND/OR OWNER'S REPRESENTATIVE
- FINE GRADE SEED TO ELIMINATE IRREGULARITIES ON THE SURFACE. ROLL OR PERFORM ADDITIONAL FINE GRADING. SEED AREAS BY MEANS OF APPROVED BROADCAST OR HYDRAULIC-TYPE SPREADERS. DO NOT SEED DURING WINDY WEATHER.
- CERTIFIED WEED-FREE NATIVE HAY AND/OR CERTIFIED WEED-FREE STRAW SHALL BE USED TO CONTROL EROSION AND PROMOTE SEED GERMINATION AND PLANT ESTABLISHMENT. NATIVE HAY AND STRAW SHALL BE APPLIED AT 4000 POUNDS PER ACRE FOR HAY OR 5000 POUNDS PER ACRE FOR STRAW FOR OPTIMAL GROWTH PER SEED MIX TYPE AND SLOPE.
- A. STRAW CRIMPING: ALL AREAS TO BE NATIVE HAY OR STRAW CRIMPED INTO THE SOIL TO A DEPTH OF AT LEAST 3 INCHES, AND SHALL PROTRUDE ABOVE THE GROUND AT LEAST 3 INCHES.
- B. ALTERNATIVE METHODS TO BE REVIEWED AND APPROVED BY OWNER AND/OR OWNER'S REPRESENTATIVE.
- C. EROSION CONTROL BLANKETS ARE TO BE APPLIED ON SLOPES 3:1 AND GREATER. METAL STAKING WILL NOT BE AN ALLOWED
- 10. THE CONTRACTOR SHALL PROVIDE ALL WATER, WATERING DEVICES AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS UNTIL AUTOMATIC IRRIGATION SYSTEMS ARE OPERATIONAL AND ACCEPTED. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANT'S HEALTHY CONDITION BASED ON SEASONAL CONSIDERATIONS.
- 11. IF A WATER HOOK-UP IS AVAILABLE A SPRINKLER SYSTEM MAY BE USED TO PROMOTE RAPID PLANT ESTABLISHMENT. GENERALLY, WATERING AT 0.75-1.0 INCHES/WEEK IS RECOMMENDED DURING THE APRIL-OCTOBER GROWING SEASON DEPENDING ON NATURAL RAINFALL. THE USE OF WATER TRUCKS FOR IRRIGATION IS PROHIBITED DUE TO TRAFFIC IMPACTS ON THE SEEDED AREAS AND TYPICAL POOR WATER DISTRIBUTION OBSERVED WITH THIS TYPE OF WATERING.
- 12. APPROVAL OF SEEDED AREAS SHALL BE BASED UPON THE SEED PRODUCERS GUARANTEED SEEDING GERMINATION RATE FOR A ONE SQUARE FOOT AREA. IF GUARANTEED GERMINATION RATE IS NOT ACHIEVED, THE CONTRACTOR SHALL OVERSEED UNTIL THE GERMINATION RATE IS ACHIEVED. REVEGETATION SHALL HAVE AT LEAST 3 NATIVE GRASS SEEDLINGS/SQUARE FOOT AND NO BARE AREAS EXCEEDING 9 SQUARE FEET AFTER THE SECOND GROWING SEASON. FOR DRILL SEEDED AREAS, PLANTING ROWS SHALL BE NOTICEABLE BY THE END OF THE FIRST FULL GROWING SEASON. IF A PARTIAL OR TOTAL SEEDING FAILURE IS APPARENT AFTER THE SECOND GROWING SEASON, POORLY VEGETATED AREAS SHALL BE RESEEDED IN THE SAME MANNER DESCRIBED ABOVE. APPROPRIATE SITE PREPARATION PRACTICES SHALL BE USED TO CREATE A SUITABLE SEEDBED FOR PLANTING, BUT ANY ESTABLISHED NATIVE VEGETATION SHALL BE UNDISTURBED TO THE EXTENT POSSIBLE. AREAS THAT ERODE BEFORE GERMINATION AND ESTABLISHMENT CAN OCCUR SHALL BE REPAIRED AND IMMEDIATELY RESEEDED DURING THE SAME SEASON.
- 13. ALL BARE AREAS TO BE RESEEDED WITH PROPER REMOVAL OF WEEDS. ALL NATIVE SEED AREAS ARE TO MEET STANDARD LOCAL JURISDICTION REQUIREMENTS FOR GERMINATION AND ESTABLISHMENT.

VARIETY | COMMON NAME

#### RIPARIAN TRANSITION SEED MIX

SCIENTIFIC NAME

	*/ " "= ' '			1 / 2 2		1
GRAMINOIDS	•			•	•	•
ANDROPOGON GERARDII	VNS.	BIG BLUESTEM	1.90	7	6	4
CALAMAGROSTIS CANADENSIS	VNS.	BLUEJOINT	0.20	1	10	7
CAREX NEBRASCENSIS	VNS.	NEBRASKA SEDGE	1.10	4	13	9
DESCHAMPSIA CESPITOSA	VNS.	TUFTED HAIRGRASS	0.27	1	9	6
ELEOCHARUS PALUSTRIS	VNS.	COMMON SPIKERUSH	0.60	2	21	14
ELYMUS TRACHYCAULUS	SAN LUIS	SLENDER WHEATGRASS	3.50	13	12	8
GLYCERIA STRIATA	VNS.	FOWL MANNAGRASS	1.90	7	8	5
JUNCUS BALTICUS	VNS.	BALTIC RUSH	0.20	1	14	10
SCHIZACHYRIUM SCOPARIUM	VNS.	LITTLE BLUESTEM	1.70	6	9	7
SCHOENOPLECTUS TABERNAEMONTANI	VNS.	SOFTSTEM BULRUSH	0.60	2	8	5
SPOROBOLUS AIROIDES	VNS.	ALKALI SACATON	0.17	1	7	5
		GRAMINOID TOTALS	12.14	46	118	82
FORBS						
ASCLEPIAS SPECIOSA	VNS.	SHOWY MILKWEED	4.00	15	7	5
HELIANTHUS ANNUUS	VNS.	COMMON SUNFLOWER	4.00	15	5	4
MONARDA FISTULOSA	VNS.	WILD BERGAMOT	0.15	1	4	3
RUDBECKIA LACINIATA	VNS.	CUTLEAF CONEFLOWER	1.00	4	6	4
VICIA AMERICANA	VNS.	AMERICAN VETCH	5.00	19	4	3
		FORB TOTALS	14.15	54	26	18
		DRILL SEEDING TOTAL:	26.29	100	143	100
	В	ROADCAST SEEDING TOTAL:	52.58			

#### PLANT SCHEDULE - ENTIRE PROJECT

#### SYMBOL CODE QTY BOTANICAL / COMMON NAME PLANT SIZE CONTAINER MAT. H. MAT. W.

#### **DECIDUOUS TREES**

**EVERGREEN TREES** 

AC

گر کویہ	AA	3	SASKATOON SERVICEBERRY	1.5" CAL.	B&B	20`
	CY	1	PRUNUS VIRGINIANA CHOKECHERRY	1.5" CAL.	B&B	20`

AMELANICHIED ALNIEGLIA

ABIES CONCOLOR

PICEA ENGELMANNII

**ENGELMANN SPRUCE** 

**CEANOTHUS FENDLERI** 

LUPINUS ARGENTEUS

SILVERY LUPINE

FENDLER'S CEANOTHUS

WHITE FIR



#### GROUND COVER SCHEDULE - ENTIRE PROJECT

2025-02-13 07:14

12`

12`

NATIVE SEED - UPLAND SEED MIX

## NATIVE SEED - RIPARIAN TRANSITION

#### POTENTILLA FRUTICOSA 'RED ACE' #5 CONT. RED ACE BUSH CINQUEFOIL

	RIC	11	RIBES CEREUM WAX CURRANT	#5 CONT.	CONT.	4`	4`
$\odot$	ROW	14	ROSA WOODSII MOUNTAIN ROSE	#5 CONT.	CONT.	6`	6`
$\bigcirc$	SYO	8	SYMPHORICARPOS OCCIDENTALIS WESTERN SNOWBERRY	#5 CONT.	CONT.	5`	5`

#5 CONT.

#1 CONT.



#### **EVERGREEN SHRUBS**

4	. 1.1311. (3 01) 11.00
RNAMENTAL GRASSES	
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$\bigcirc \circ ($	MATCH EXISTING	

	PAV	6	SWITCH GRASS	#1 CONT.	CONT
NII	ΔΙς				

PERENNIA	ALS						
- ( · · · · · · · · · · · · · · · · · ·	ECH	9	ECHINACEA PURPUREA CONEFLOWER	#1 CONT.	CONT.	3,	2`
Exercise .	GAA	5	GAILLARDIA ARISTATA BLANKET FLOWER	#1 CONT.	CONT.	2`	3.
$\bigcirc$	IRM	35	IRIS MISSOURIENSIS 'ROCKY MOUNTAIN' WESTERN BLUE IRIS	#1 CONT.	CONT.	2`	1`

# TYPE: 3/4" BRECKEN GOLD ROCK

) · · · ·	SUPPLIER:
.0 .	PIONEER SAND AND GRAVEL DEPTH: 3" M OR APPROVED EQUAL
0, 0	OR APPROVED EQUAL

1`	BREEZE CRUSHED LIMESTONE GRANITE

#### **UPLAND SEED MIX**

SCIENTIFIC NAME	ENTIFIC NAME VARIETY COMMON NAME				PLS/SQ FT	% OF PLS/SQ FT
GRAMINOIDS	•			•		
ACHNATHERUM HYMENOIDES	VNS.	INDIAN RICEGRASS	1.60	5	6	4
BOUTELOUA CURTIPENDULA	VNS.	SIDEOATS GRAMA	2.00	6	9	6
BOUTELOUA GRACILIS	VNS.	BLUE GRAMA	0.70	2	12	8
ELYMUS CANADENSIS	PALOMA	CANADA WILDRYE	3.00	9	8	5
ELYMUS TRACHYCAULUS	SAN LUIS	SLENDER WHEATGRASS	5.00	15	17	11
FESTUCA ARIZONICA	VNS.	ARIZONA FESCUE	1.10	3	14	9
FESTUCA IDEAHOENSIS	VNS.	IDAHO FESCUE	1.10	3	11	7
HESPEROSTIPA COMATA	VNS.	NEEDLE AND THREAD	2.50	8	7	4
KOELERIA MACRANTHA	VNS.	PRAIRIE JUNEGRASS	0.18	1	10	6
MUHLENBERGIA MONTANA	VNS.	MOUNTAIN MUHLY	0.45	1	15	10
PASCOPYRUM SMITHII	VNS.	WESTERN WHEATGRASS	5.00	15	13	8
		GRAMINOID TOTALS	22.63	70	121	78
FORBS						
ACHILLEA MILLEFOLIUM VAR OCCIDENTALIS	VNS.	WESTERN YARROW	0.15	0	10	6
IPOMOPSIS AGGREGATA	VNS.	SCARLET GILIA	0.70	2	6	4
LUPINUS ARGENTEUS	VNS.	SILVERY LUPINE	7.00	22	3	2
PENSTEMON ANGUSTIFOLIUS	VNS.	BROADBEARD BEARDTONGUE	1.50	5	8	5
RATIBIDA COLUMNIFERA	VNS.	UPRIGHT PRAIRIE CONEFLOWER	0.30	1	8	5
		FORB TOTALS	9.65	30	34	22
		DRILL SEEDING TOTAL:	32.28	100	155	100
		BROADCAST SEEDING TOTAL:	64.56			

REFERENCE					SHEET KEY
DRAWINGS					
X-237-TITLE-CD					4
X-237-PR-LANDSCAPE X-237-EX-TOPO					
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#### VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

PLS LBS/AC | % BY WEIGHT | PLS/SQ FT | % OF PLS/SQ FT

#### HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0.0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



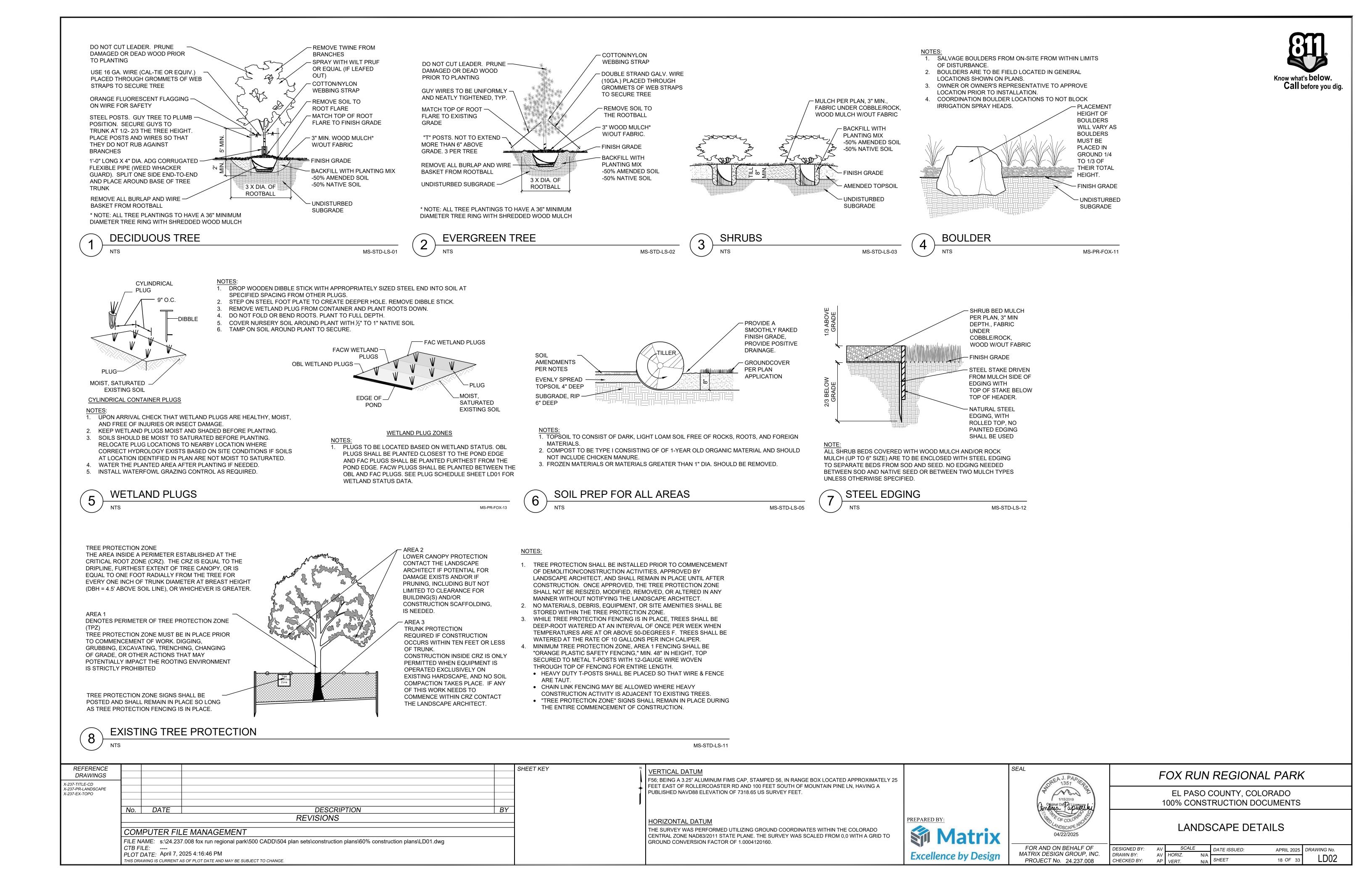


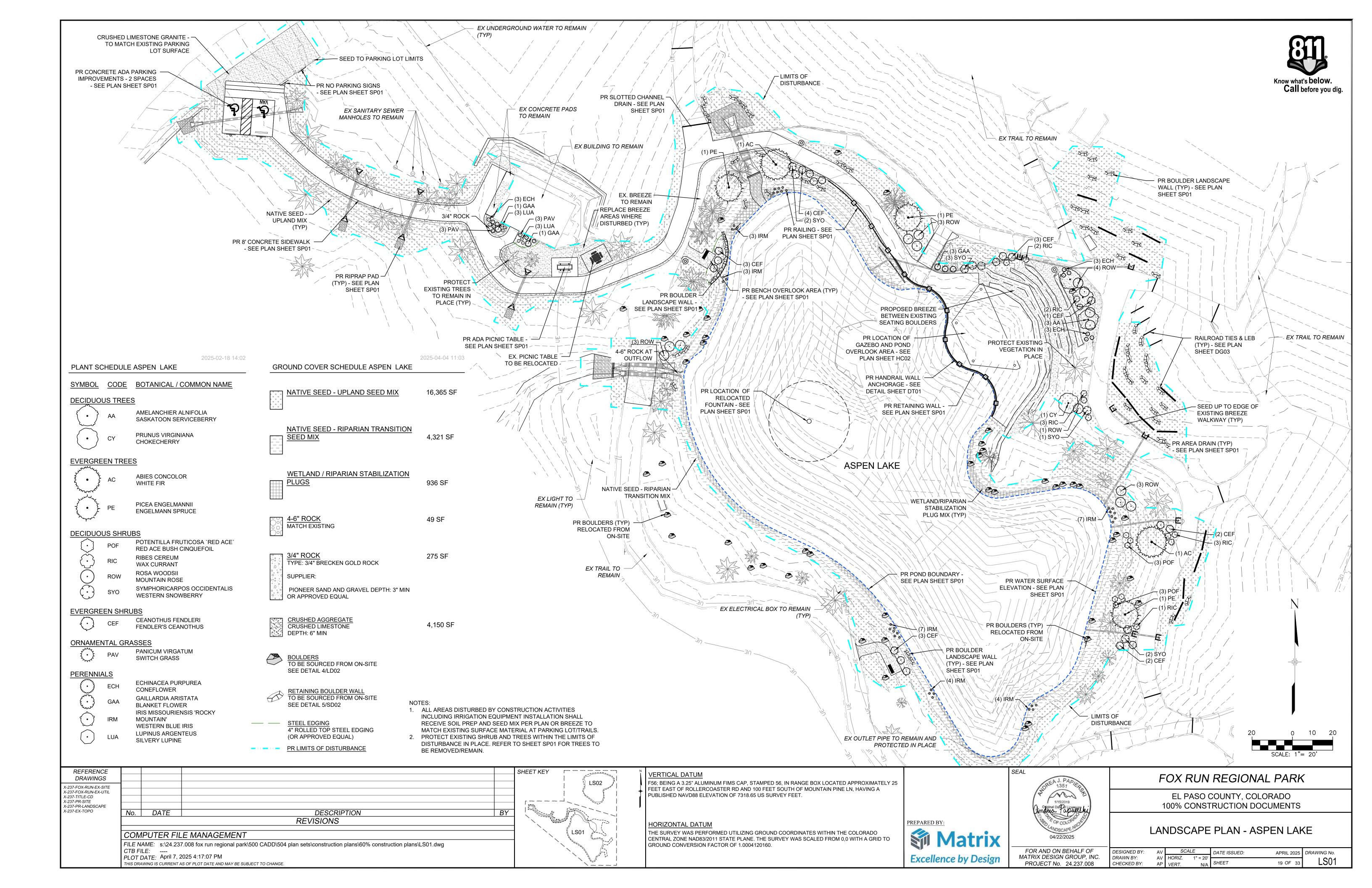
#### FOX RUN REGIONAL PARK

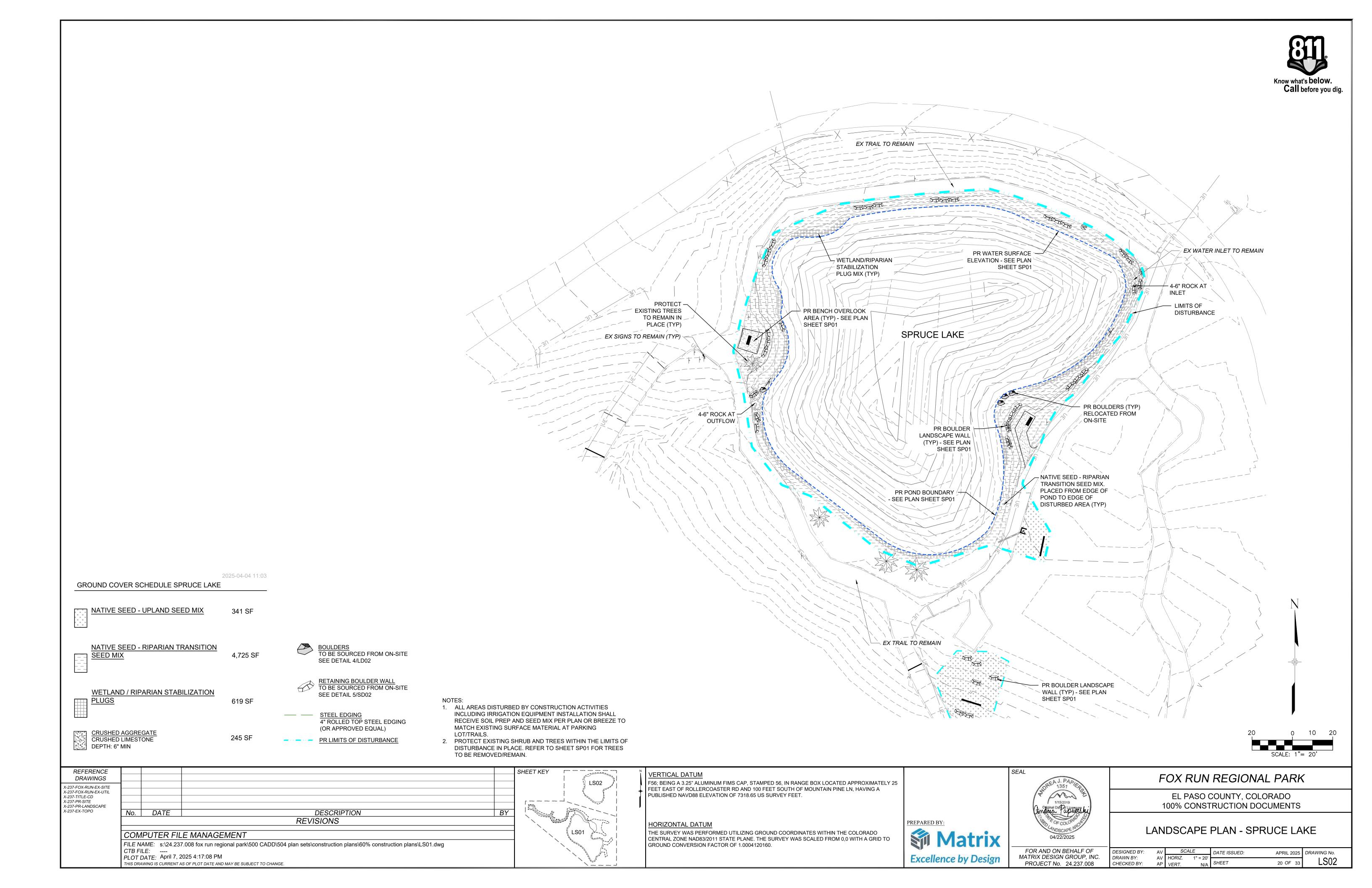
EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

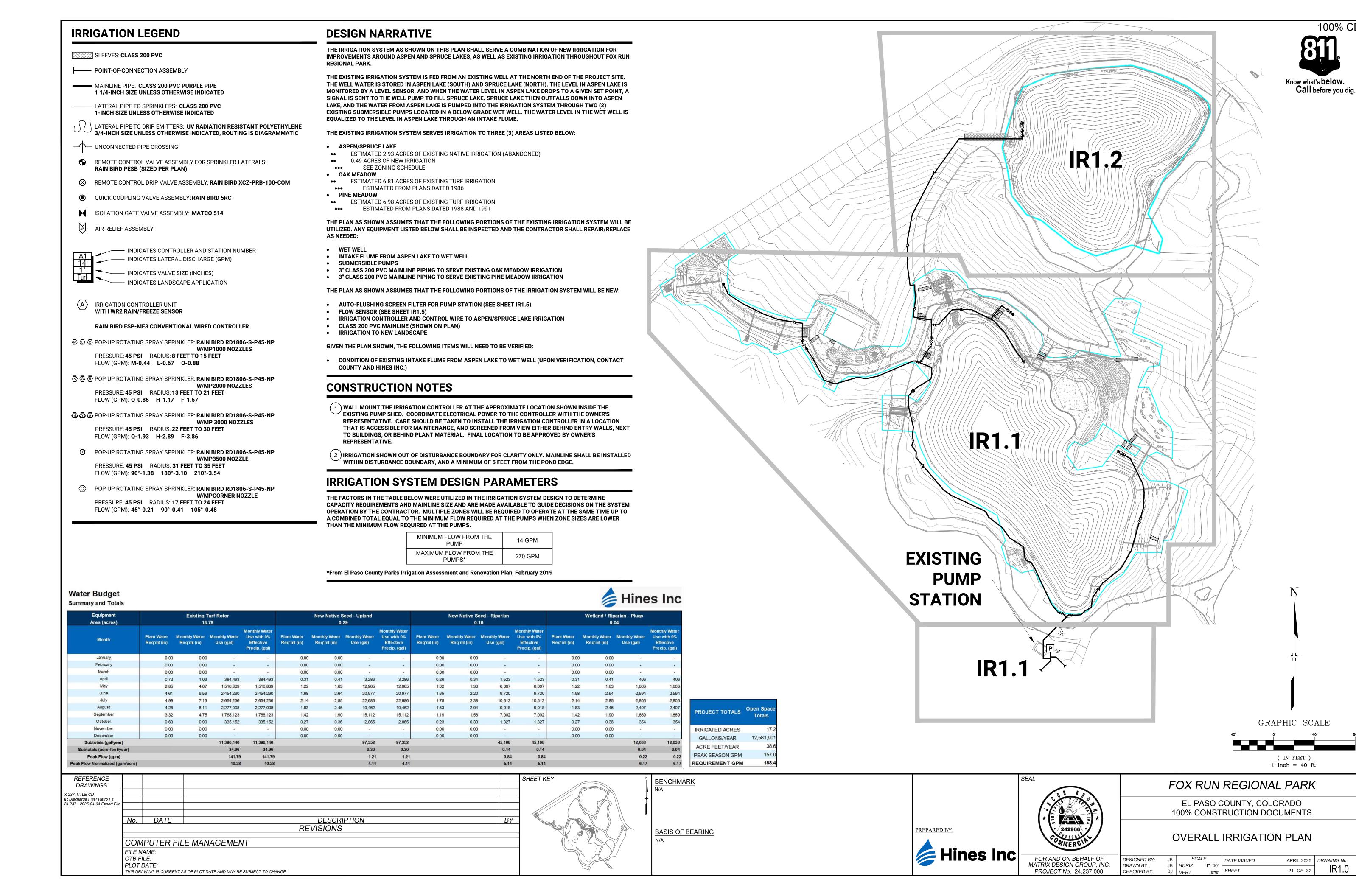
#### LANDSCAPE NOTES

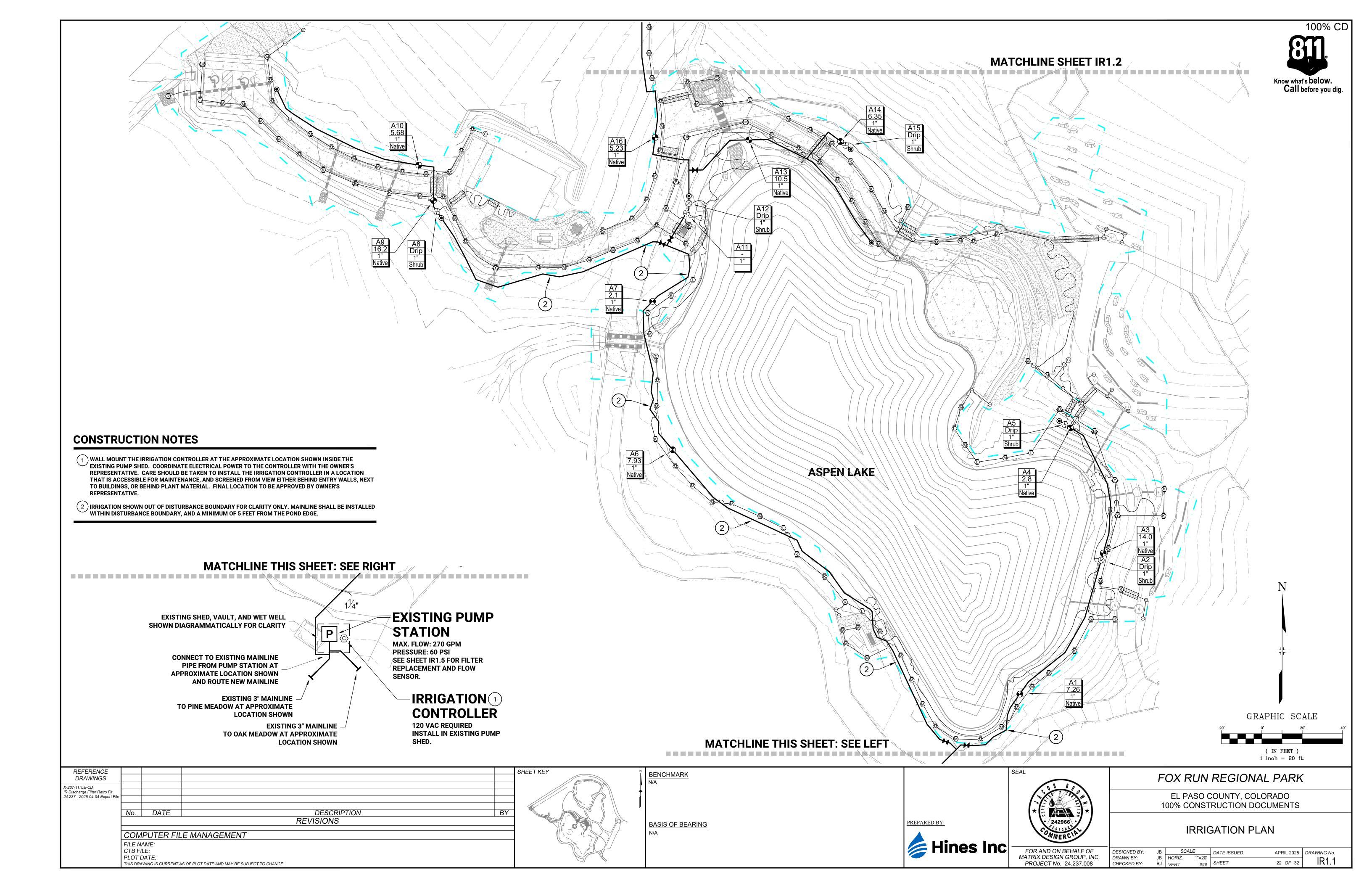
FOR AND ON BEHALF OF SCALE DESIGNED BY: DATE ISSUED: APRIL 2025 DRAWING No. MATRIX DESIGN GROUP, INC. DRAWN BY: LD01 17 OF 33 PROJECT No. 24 237 008 CHECKED BY:











# **IRRIGATION LEGEND** SLEEVES: CLASS 200 PVC POINT-OF-CONNECTION ASSEMBLY 1 1/4-INCH SIZE UNLESS OTHERWISE INDICATED

MAINLINE PIPE: CLASS 200 PVC PURPLE PIPE

——— LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC 1-INCH SIZE UNLESS OTHERWISE INDICATED

LATERAL PIPE TO DRIP EMITTERS: UV RADIATION RESISTANT POLYETHYLENE 3/4-INCH SIZE UNLESS OTHERWISE INDICATED, ROUTING IS DIAGRAMMATIC

REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS: RAIN BIRD PESB (SIZED PER PLAN)

REMOTE CONTROL DRIP VALVE ASSEMBLY: RAIN BIRD XCZ-PRB-100-COM

QUICK COUPLING VALVE ASSEMBLY: RAIN BIRD 5RC

ISOLATION GATE VALVE ASSEMBLY: MATCO 514

AIR RELIEF ASSEMBLY

- INDICATES CONTROLLER AND STATION NUMBER - INDICATES LATERAL DISCHARGE (GPM) - INDICATES VALVE SIZE (INCHES) — INDICATES LANDSCAPE APPLICATION

(A) IRRIGATION CONTROLLER UNIT WITH WR2 RAIN/FREEZE SENSOR

RAIN BIRD ESP-ME3 CONVENTIONAL WIRED CONTROLLER

PRESSURE: **45 PSI** RADIUS: **8 FEET TO 15 FEET** FLOW (GPM): **M-0.44 L-0.67 O-0.88** 

W/MP2000 NOZZLES PRESSURE: **45 PSI** RADIUS: **13 FEET TO 21 FEET** FLOW (GPM): **Q-0.85 H-1.17 F-1.57** 

♠ ♠ ♠ POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD RD1806-S-P45-NP

PRESSURE: 45 PSI RADIUS: 22 FEET TO 30 FEET FLOW (GPM): **Q-1.93 H-2.89 F-3.86** 

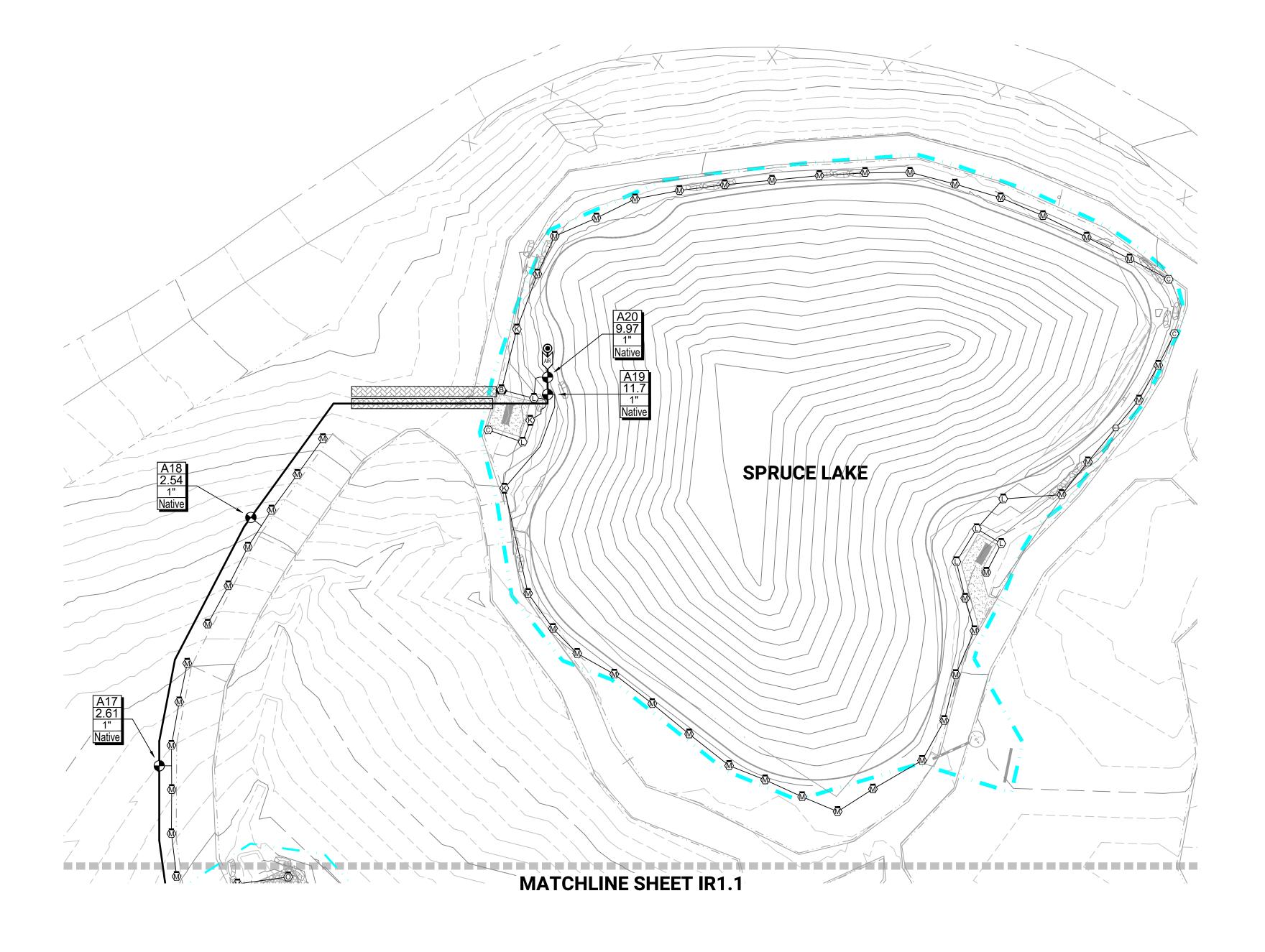
POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD RD1806-S-P45-NP W/MP3500 NOZZLE PRESSURE: **45 PSI** RADIUS: **31 FEET TO 35 FEET** FLOW (GPM): 90°-1.38 180°-3.10 210°-3.54

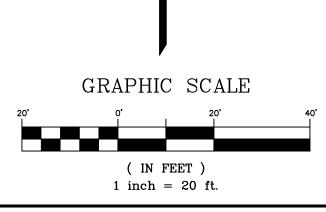
© POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD RD1806-S-P45-NP W/MPCORNER NOZZLE PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET** FLOW (GPM): **45°-0.21 90°-0.41 105°-0.48** 

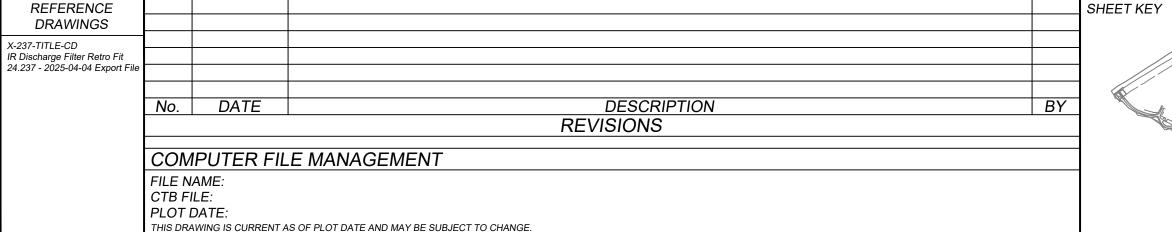
#### **CONSTRUCTION NOTES**

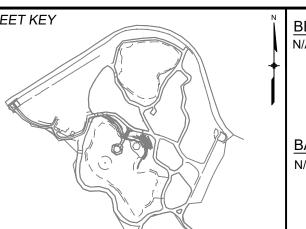
- $\left(\begin{smallmatrix}1\end{smallmatrix}\right)$  WALL MOUNT THE IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN INSIDE THE  $\stackrel{\textstyle\smile}{}$  EXISTING PUMP SHED. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.
- ig(2ig) irrigation shown out of disturbance boundary for clarity only. Mainline shall be installed WITHIN DISTURBANCE BOUNDARY, AND A MINIMUM OF 5 FEET FROM THE POND EDGE.











BENCHMARK **BASIS OF BEARING** 



* 242966 · COMMERCIA
FOR AND ON BEHALF OF

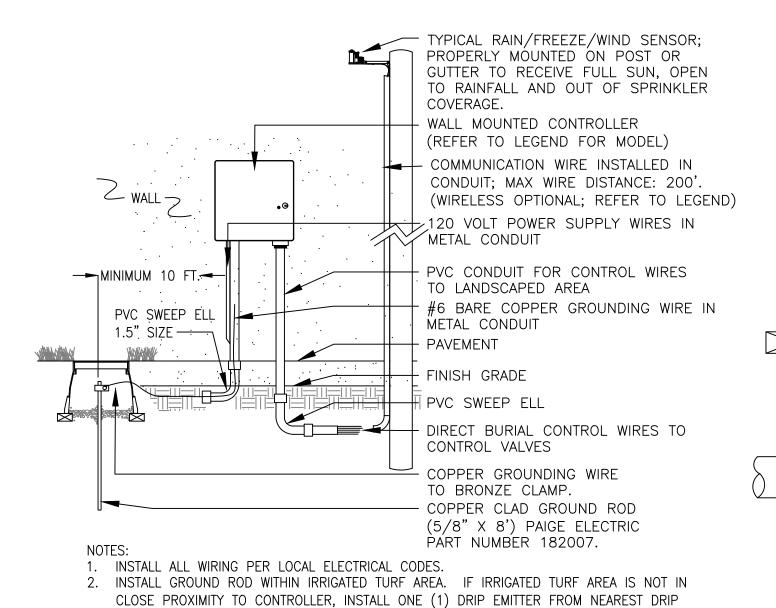
FOX RUN REGIONAL	PARI

EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

**IRRIGATION PLAN** 

SCALE DATE ISSUED: DESIGNED BY: APRIL 2025 | DRAWING No. MATRIX DESIGN GROUP, INC. DRAWN BY: JB *HORIZ*. 1"=20' IR1.2 23 OF 32 PROJECT No. 24.237.008 CHECKED BY: BJ VERT.





LATERAL PIPE

EXCAVATED MATERIAL

--- WARNING TAPE

TYPICAL TRENCHING

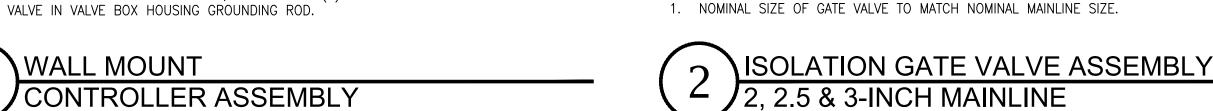
BEDDING & COVER MATERIAL

3. ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE

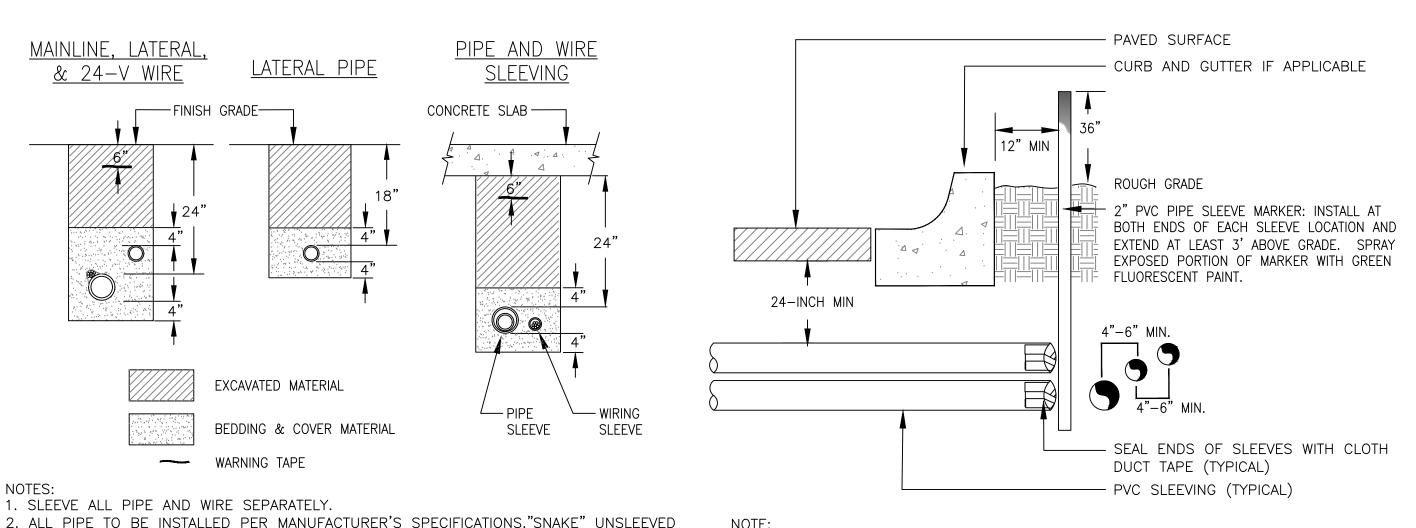
PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH

REQUIREMENTS. TAPE AND BUNDLE 24-V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP

4"



2-INCH MIN



- FINISH GRADE

VALVE BOX WITH COVER:

LENGTH AS REQUIRED

— BRICK (1 OF 2)

- IRRIGATION MAINLINE

BRAND LID WITH VALVE "IGV"

3-INCH MINIMUM DEPTH OF

3/4-INCH WASHED GRAVEL

SIZED TO MATCH MAINLINE.

- 8-INCH CORRUGATED PE PIPE -

GATE VALVE WITH CROSS HANDLE,

JOINT RESTRAINTS. NOTE: USE HDPE

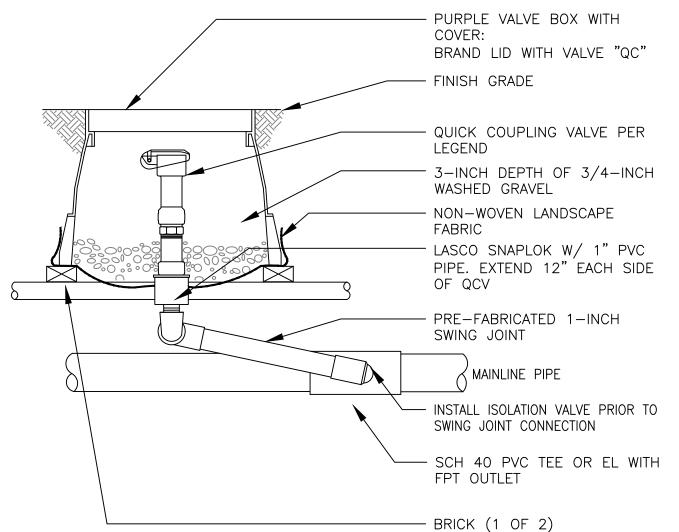
STIFFENERS FOR HDPE MAINLINE

LGV-300BB ISOLATION VALVE

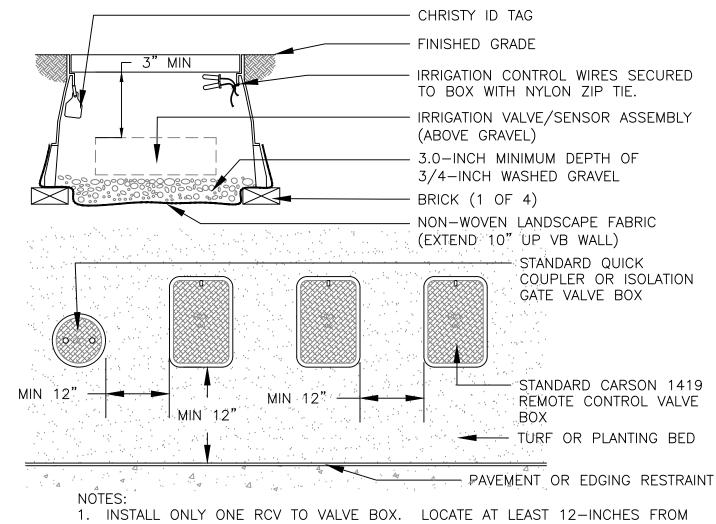
LEEMCO LGV-200, LGV 250BB OR

1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED. 2) INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.



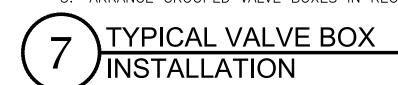


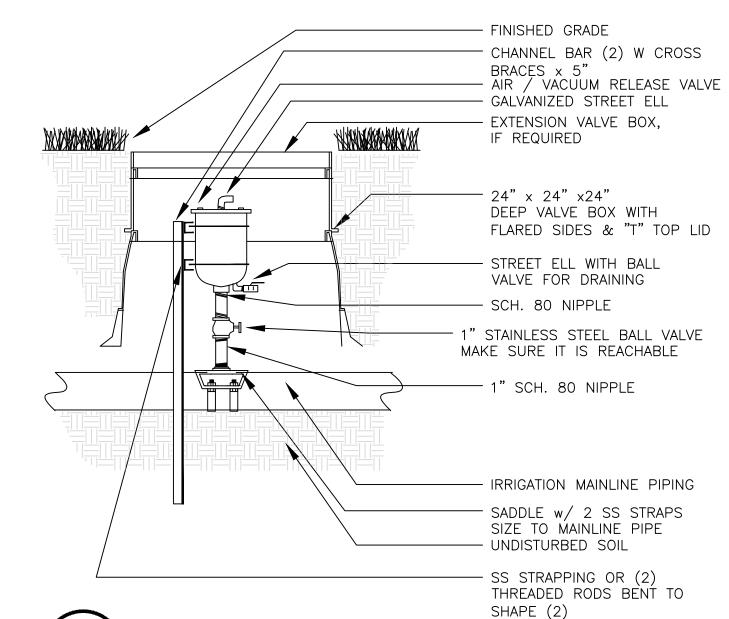




AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL

4. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES. 5. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.





COMBO AIR/VACUUM RELEASE VALVE

REFERENCE DRAWINGS X-237-TITLE-CD IR Discharge Filter Retro Fit 24.237 - 2025-04-04 Export Fil

WALL MOUNT

-FINISH GRADE-

MAINLINE, LATERAL

& 24-V WIRE

O

1. SLEEVE ALL PIPE AND WIRE SEPARATELY.

AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

AND BETWEEN PIPES.

BASIS OF BEARING

**BENCHMARK** 

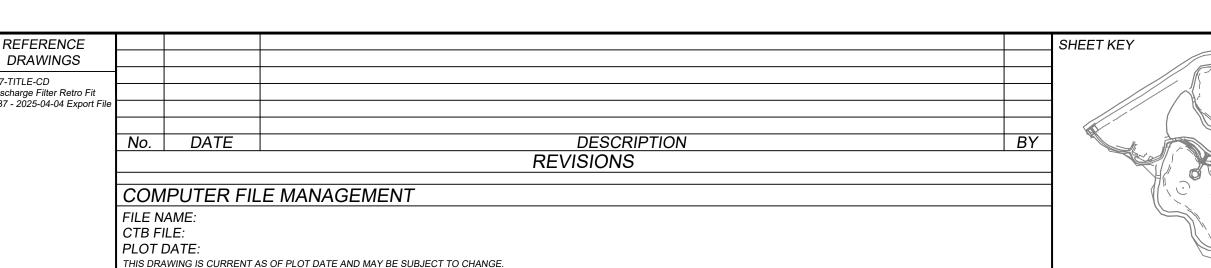
Hines Inc FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

PROJECT No. 24.237.008

FOX RUN REGIONAL PARK EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

**IRRIGATION DETAILS** 

SCALE DATE ISSUED: DESIGNED BY: APRIL 2025 | DRAWING No. DRAWN BY: JB *HORIZ*. 1"=20' IR1.3 24 OF 32 CHECKED BY: BJ *VERT*.



— WIRING

SLEEVE

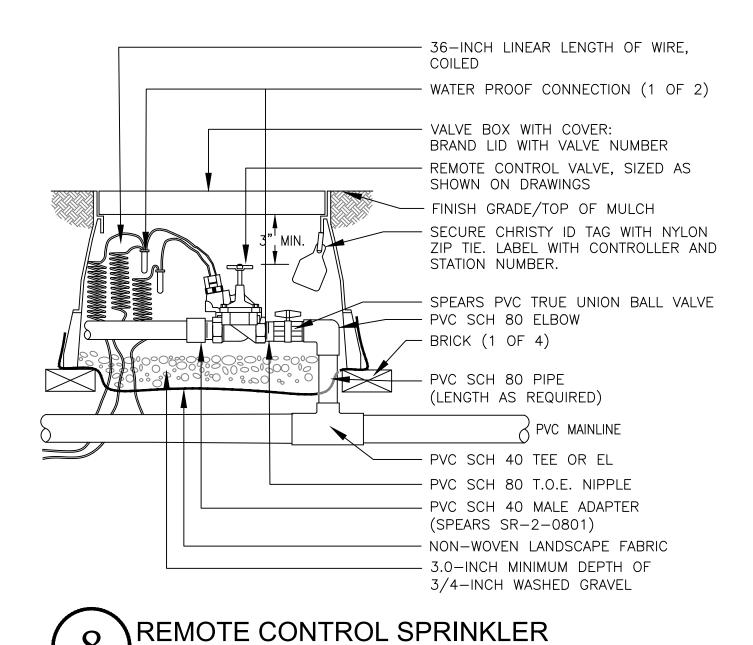
PIPE AND WIRE

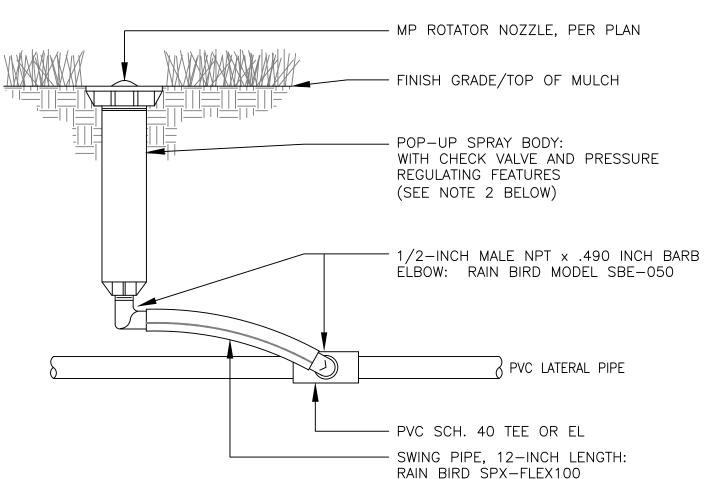
<u>SLEEVING</u>

SLEEVE

CONCRETE SLAB ----

PREPARED BY:

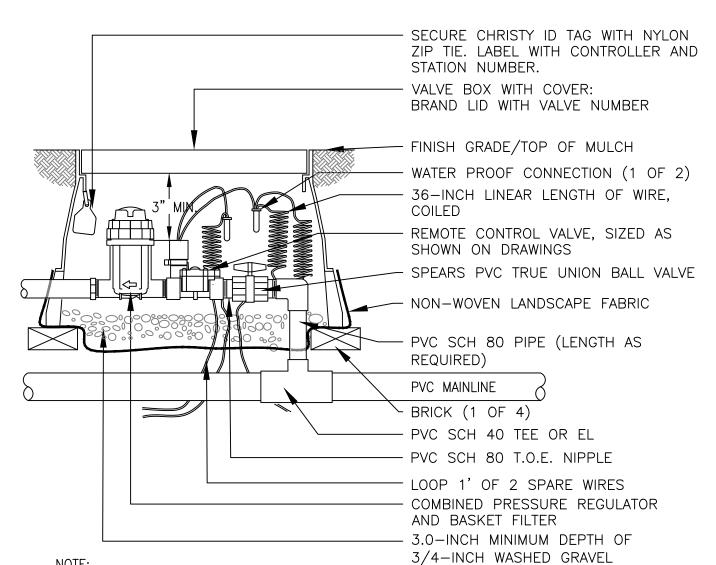




1. IF POLYETHYLENE PIPE IS USED FOR LATERAL PIPE, SUBSTITUTE INSERT TEE OR EL WITH STAINLESS STEEL CLAMPS FOR PVC SLIP TEE OR EL SHOWN ABOVE. 2. TO ACHIEVE MINIMUM RADIUS WITH ANY MP ROTATOR MODEL, USE 30 PSI PRESSURE REGULATING

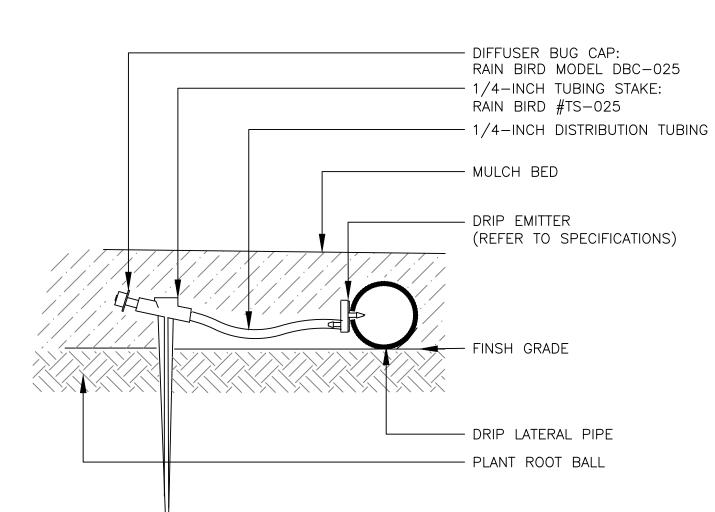
# 6-INCH POP UP MP-ROTATOR ASSEMBLY

SPRAY BODY.

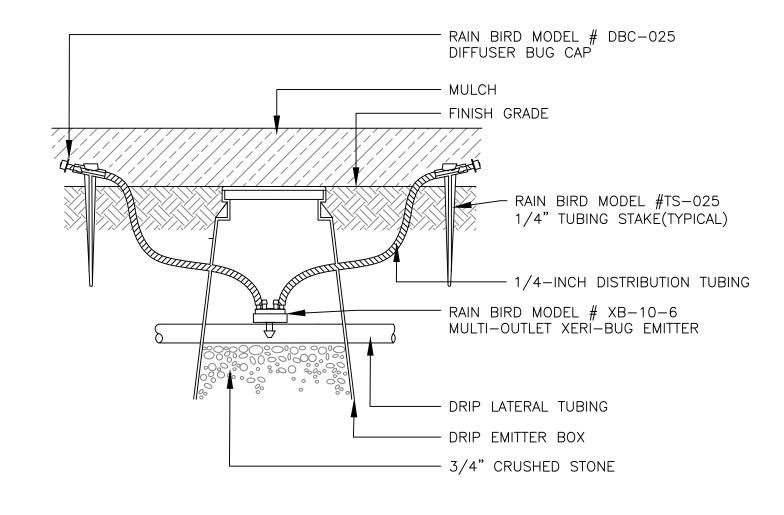


1. USE BARBED INSERT FITTINGS ON DRIP LATERAL PIPE WITH STAINLESS STEEL HOSE CLAMPS. PLACE CLAMPS ON DRIP TUBING DIRECTLY OVER BARBED AREA OF FITTING. PINCH CLAMPS ARE NOT ACCEPTABLE.

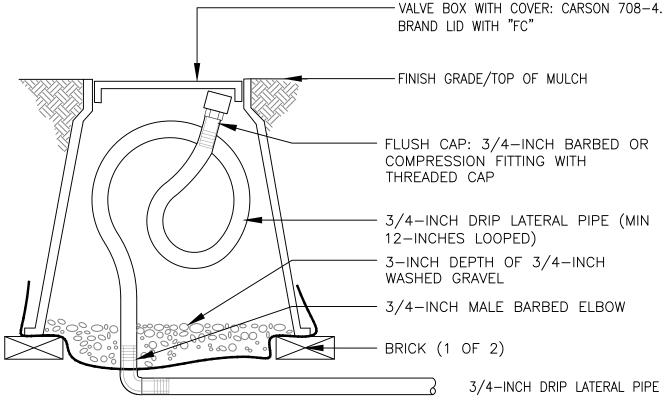
#### REMOTE CONTROL DRIP VALVE ASSEMBLY



SINGLE OUTLET DRIP



VALVE ASSEMBLY



1. LOOP IRRIGATION DRIP TUBING INSIDE VALVE BOX FOR EXTENSION OUTSIDE OF BOX DURING BLOWOUT.

# DRIP FLUSH CAP

PLANT TYPE	EMITTERS PER PLANT	GPH PER EMITTER	TOTAL GPH PER PLANT
TREES 2" CAL	4 SINGLE	1 GPH	4 GPH
LARGE SHRUBS 5 GAL	2 SINGLE	1 GPH	2 GPH
SMALL SHRUBS 1 GAL	1 SINGLE	1 GPH	1 GPH
GC/PERENNIAL	1 SINGLE	1 GPH	1 GPH
CACTI	1 SINGLE	0.5 GPH	0.5 GPH

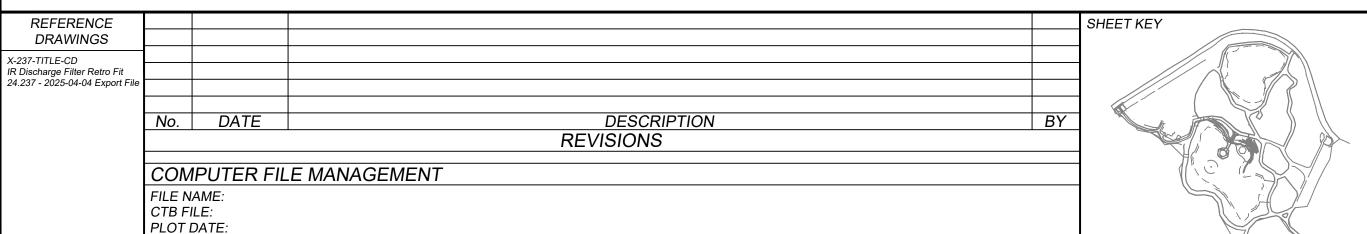
1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL.

2. ALL EMITTER QUANTITIES AND FLOW RATES ARE FOR RECOMMENDATION ONLY. THE CONTRACTOR SHALL CONSULT AND CONFIRM WITH LOCAL PRACTICE PRIOR TO INSTALLATION.

EMITTER SCHEDULE

MULTI-OUTLET DRIP EMITTER
MULTI-OUTLET DRIP EMITTER ASSEMBLY FOR TREES IN BEDS

THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.



**BENCHMARK BASIS OF BEARING** 

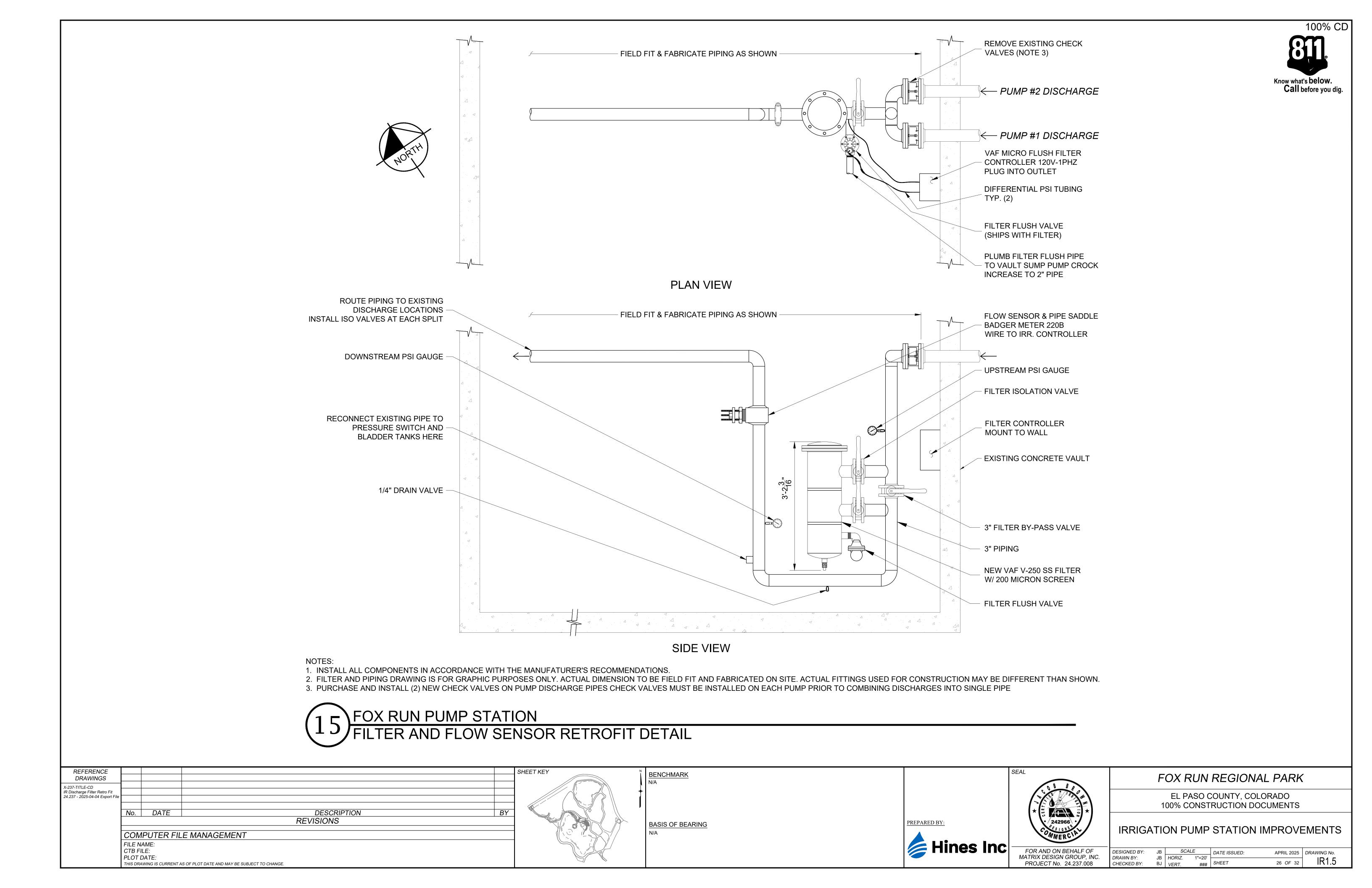
PREPARED BY:

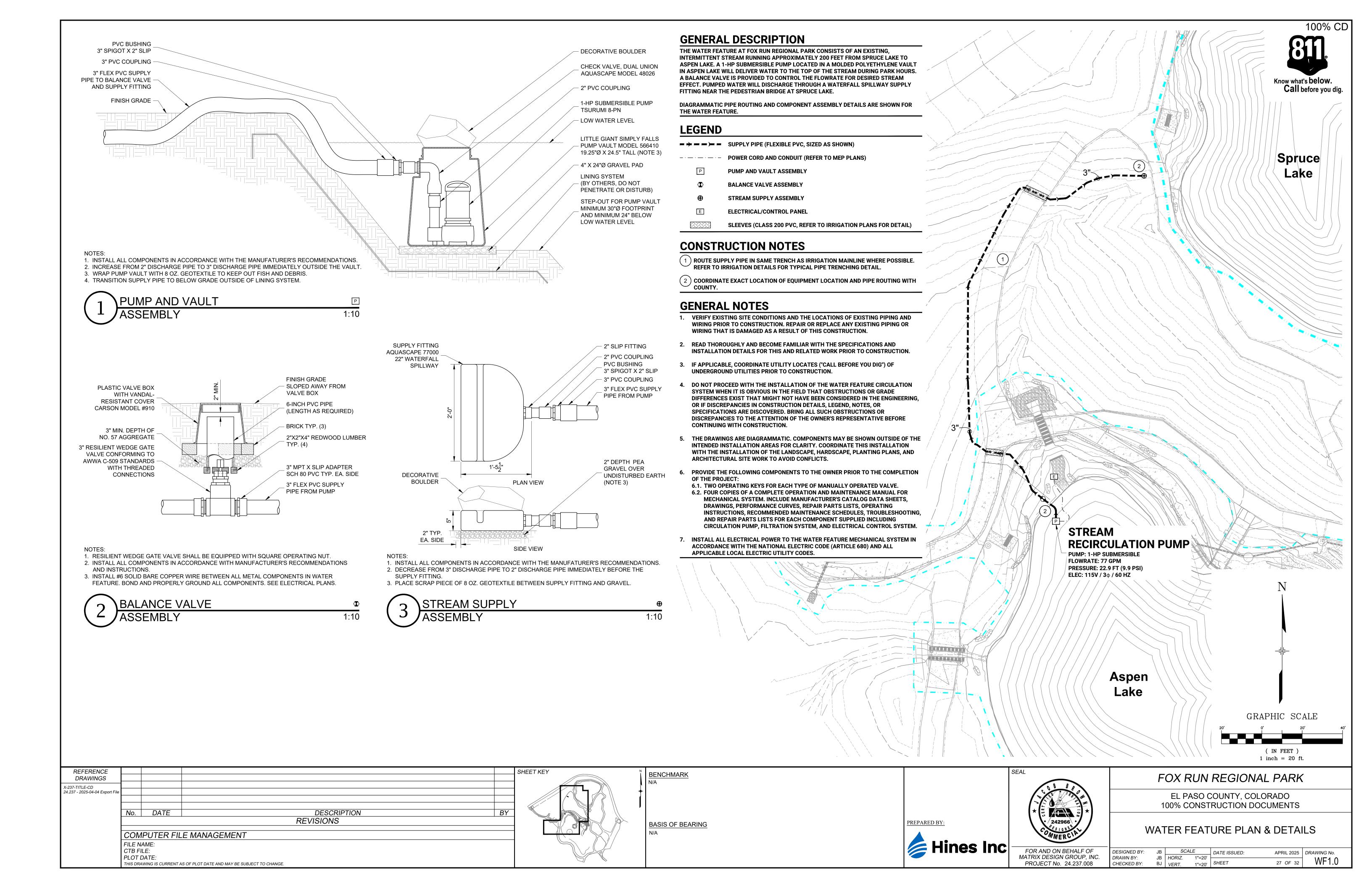
SEAL	* 242966 · COMMERCIA
FC	OR AND ON BEHALF OF

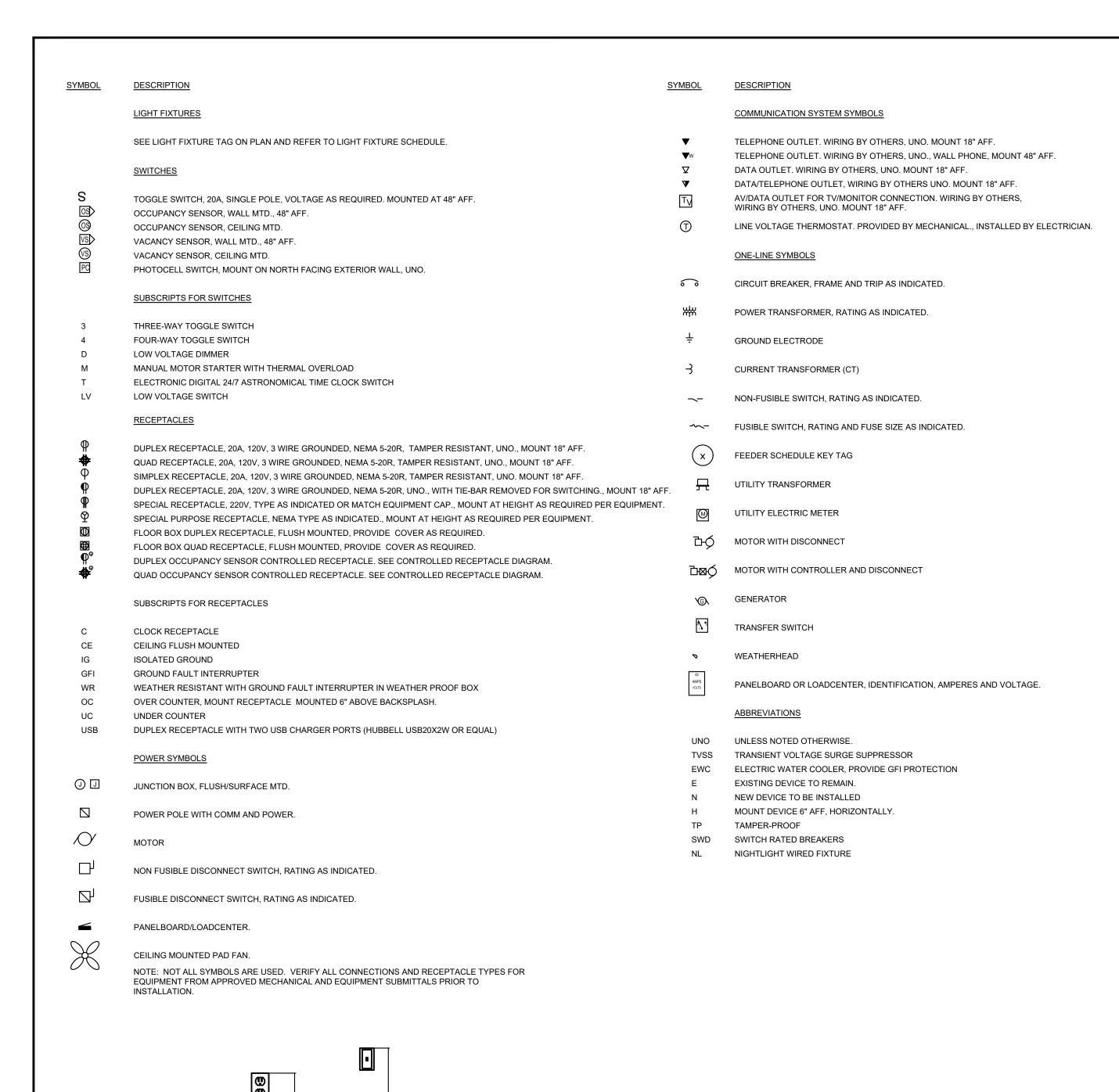
	FOX RUN REGIONAL PARK
	EL PASO COUNTY, COLORADO 100% CONSTRUCTION DOCUMENTS

**IRRIGATION DETAILS** 

WMEKO.								
FOR AND ON BEHALF OF	DESIGNED BY:	JB	SCA HORIZ.	LE 1"=20'	DATE ISSUED:	APRIL 2025	DRAWING No.	
	DRAWN BY: JB CHECKED BY: BJ	HURIZ. VERT.	1 =20 ###	SHEET	25 OF 32	IR1.4		







#### DIV. 26 SPECIFICATIONS

GENERAL: THESE DRAWINGS REMAIN THE SOLE PROPERTY OF CHAVEZ, TIFFANY AND AYERS ENGINEERING CORPORATION AND MAY BE USED ONLY FOR THE PROJECT AS INDICATED BY NAME AND LOCATION. ANY OTHER USE REQUIRES PRIOR, WRITTEN PERMISSION. THE CONTRACTOR WILL PROVIDE ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, TRANSPORTATION, LICENSES, FEES, PERMITS, ETC. TO COMPLETE THE ELECTRICAL WORK DESCRIBED ON THE DRAWINGS. THE CONTRACTOR WILL WARRANT EQUIPMENT, MATERIAL AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. WARRANTY SHALL INCLUDE REPLACEMENTS OR REPAIRS WITHOUT COST TO THE OWNER DURING THE WARRANTY PERIOD.

ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) 2023 AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

USE OF DRAWINGS: DO NOT SCALE FROM THE ELECTRICAL DRAWINGS. FOR EXACT LOCATIONS USE ARCHITECT'S DIMENSIONED DRAWINGS, SHOP DRAWINGS AND FIELD MEASUREMENTS. VERIFY ALL LOCATIONS WITH THE ARCHITECT PRIOR TO ELECTRICAL ROUGH-IN.

WIRING METHODS: ALL WIRING FOR LIGHTING AND POWER SYSTEMS WILL BE IN CONDUIT OR CABLE ASSEMBLIES APPROVED BY THE GOVERNING AUTHORITIES, ALL EXPOSED CABLING SHALL BE IN CONDUIT, CONDUCTOR SIZES SHOWN ARE BASED ON AMPACITIES FOR COPPER CONDUCTORS, UNLESS OTHERWISE NOTED. WHEN APPROVED BY ENGINEER, FEEDERS MAY BE ALUMINUM CONDUCTORS OF EQUIVALENT AMPACITIES. GROUNDING CONDUCTORS SHALL BE PROVIDED FOR ALL CIRCUITS SHOWN ON THE DRAWINGS. PROVIDE BLOCKING AND OTHER NECESSARY SUPPORTS IN WALLS AND CEILINGS FOR MATERIAL AND EQUIPMENT TO BE PROVIDED. BRANCH CIRCUIT NUMBERS SHOWN ON THE DRAWINGS MAY BE REARRANGED WITHIN A GIVEN PANELBOARD TO SUIT THE NEEDS OF THE INSTALLATION. ELECTRICAL BRANCH CIRCUITS SHALL BE BALANCED BETWEEN LINES AND PHASES. MULTIWIRE BRANCH CIRCUITS SHALL HAVE A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNDERGROUNDED CONDUCTORS AT THE POINT WHERE BRANCH CIRCUITS ORIGINATE (HANDLE TIES ARE AN APPROVED MEANS). THE GROUNDED AND UNDERGROUNDED CONDUCTOR OF EACH MULTIWIRE BRANCH CIRCUIT SHALL BE GROUPED BY WIRE TIES AT ONE LOCATION IN PANELBOARD. ALL PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13(A)(B) TO INCLUDE LUMINAIRES AND NEC 250.118, CAN NOT BE IN PVC. PROVIDE #10 AWG COPPER MINIMUM TO MONUMENT SIGNAGE, LIGHT POLES & EXTERIOR MECHANICAL UNITS.

UTILITY COORDINATION: PROVIDE ALL COORDINATION WITH THE UTILITY INCLUDING LOAD DATA FORMS AND APPLICATION FOR SERVICE AS APPLICABLE. INSTALLATION OF SERVICE, PRIMARY OR SECONDARY FEEDERS AND METERING SHALL BE PERFORMED IN ACCORDANCE WITH THE

CIRCUIT BREAKER SELECTIVE COORDINATION: CONTRACTOR SHALL HAVE A MANUFACTURERS COORDINATION STUDY TO INCLUDE SHORT-CIRCUIT ANALYSIS PER NEC 240.87 AND ARC FLASH ANALYSIS PER OSHA ARC FLASH HAZARD REQUIREMENTS TO DERIVE COORDINATED PROTECTION SETTINGS ON ALL ADJUSTABLE CIRCUIT BREAKERS 1200A OR HIGHER. FOR ALL ADJUSTABLE BREAKERS LESS THAN 1200A, CONTRACTOR SHALL HAVE MANUFACTURES COORDINATION STUDY COMPLETED FOR ADJUSTABLE TRIP SETTINGS.

GROUNDING: PROVIDE A COMPLETE GROUNDING SYSTEM AS REQUIRED BY THE NEC AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL BRANCH CIRCUITS SHALL INCLUDE A GROUND CONDUCTOR. USE OF RACEWAY FOR GROUNDING IS NOT PERMITTED. GALVANIZED GROUND RODS ARE NOT PERMITTED.

PANELBOARDS: PROVIDE MINIMUM INTEGRATED EQUIPMENT SHORT CIRCUIT RATING AS INDICATED ON PANEL SCHEDULES. PROVIDE BOLT-ON BREAKERS UNLESS OTHERWISE NOTED. PROVIDE CIRCUIT BREAKERS SHOWN ON THE PANELBOARD SCHEDULES. ALL TERMINATIONS AND LUGS SHALL BE RATED FOR 75-DEGREE CONDUCTORS.

PROVIDE TYPEWRITTEN CIRCUIT SCHEDULES TO IDENTIFY PANELBOARD AND EACH BRANCH BREAKER. ACCEPTABLE MANUFACTURERS ARE SQUARE D. SIEMENS AND EATON.

WIRING DEVICES: PROVIDE SPECIFICATION GRADE 15 AND 20- AMPERE SWITCH AND RECEPTACLE DEVICES, AS APPLICABLE. OTHER DEVICES SHALL BE PROVIDED AS INDICATED AND SHALL MATCH PLUG-CONNECTED EQUIPMENT FURNISHED FOR THE PROJECT. DEVICE WALL PLATES SHALL BE SMOOTH, NYLON TYPE AND SHALL BE OFFICE WHITE IN COLOR OR AS OTHERWISE SPECIFIED. DEVICE COLOR SHALL MATCH WALL PLATES. RECEPTACLES IN PATIENT CARE AREAS MUST BE HOSPITAL GRADE.

DISCONNECT SWITCHES: HEAVY DUTY QUICK-MAKE, QUICK-BREAK TYPE, NON-FUSED UNLESS OTHERWISE NOTED. PROVIDE MEANS TO LOCK SWITCH IN OFF POSITION WITH PAD-LOCK. ENCLOSURES SHALL BE NEMA TYPE 1 OR NEMA TYPE 3R FOR OUTDOOR INSTALLATION. PROVIDE PERMANENT LABELS FOR DISCONNECTS TO INDICATE EQUIMENT SERVED.

LIGHTING FIXTURES: SEE LIGHT FIXTURE SCHEDULE. PROVIDE ALL FIXTURES WITH LAMPS AS INDICATED. WHERE REQUIRED, FIXTURES SHALL BE WET OR DAMP LOCATION LABELED. VERIFY MOUNTING HEIGHTS PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE ALL REQUIRED MOUNTING ACCESSORIES REQUIRED FOR PROPER MOUNTING TO SURFACES SUCH ACCESSORIES TO INCLUDE BUT NOT LIMITED TO SLOPE ADAPTORS. CANOPIES, AND VAULTED CEILING CANOPIES, ETC. PROVIDE DISCONNECTING MEANS FOR LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND BALLASTS(S) IN ACCORDANCE WITH NEC 410.130(G)(1). ALTERNATES NOT ACCEPTABLE UNLESS NOTED AS "OR EQUAL" ON LIGHT FIXTURE SCHEDULE.

LIGHTING CONTROLS: ELECTRICAL CONTRACTOR TO PROVIDE LIGHTING CONTROL PROGRAMMING AND COMMISSIONING OF LIGHTING CONTROL

LABELING: ELECTRICAL CONTRACTOR TO LABEL ALL RECEPTACLES AND SWITCHES WITH PANEL AND CIRCUIT.

VOICE/DATA: RACEWAY SYSTEM BY CONTRACTOR. ALL RACEWAYS SHALL BE PROVIDED WITH PULLSTRINGS OF MINIMUM OF 400-LB. TEST STRENGTH. ALL EQUIPMENT, RECEPTACLES AND CABLING BY OTHERS. PROVIDE BLANK COVERS OVER ALL UNUSED OUTLETS. CABLES, DEVICES AND CABLE TERMINATION IS BY OTHERS.

FIRE ALARM: DESIGN BUILD CONTRACTOR TO PROVIDE AS REQUIRED PER FIRE AND LOCAL CODES.

# Know what's below.



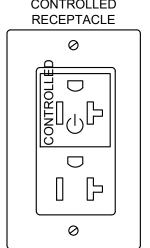
Chavez Tiffany & Ayers **Engineering Corporation** 

611 North Nevada Avenue Colorado Springs, Colorado 80903 P (719)636-0021

### 2021 IECC SPECIFICATIONS

- 1. RECESSED LIGHTING TO COMPLY WITH C402.5.10. 2. REFRIGERATION PERFORMANCE TO COMPLY WITH C403.11 & C403.11.3.
- 3. CONTROL FOR ALL MECHANICAL SYSTEMS LOCATED OUTSIDE OF A BUILDING TO COMPLY WITH C403.13.
- 4. VOLTAGE DROP TO COMPLY WITH C405.10.
- 5. FOR ALL CONTROLLED RECEPTACLES PER C405.11 PROVIDE MARKING OF CONTROLLED RECEPTACLES IN COMPLIANCE WITH NEC 406.3(E).
- 6. A FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER PER SECTION C408.2.5 OF THE 2021 IECC.

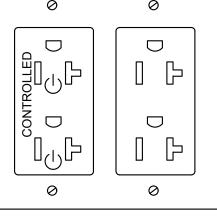
**DUPLEX OCCUPANCY** CONTROLLED



RECEPTACLE 

QUAD OCCUPANCY

CONTROLLED



- 1. IECC 2021, 405.11 AUTOMATIC RECEPTACLE CONTROL 1.1. 50% OF ALL 125V, 15 AND 20 AMP RECEPTACLES ARE REQUIRED IN PRIVATE OFFICES, CONFERENCE ROOM, COPY/PRINT ROOMS. BREAKROOMS, CLASSROOMS AND INDIVIDUAL WORKSTATION AND OPEN OFFICE WORKSTATIONS.
- 1.2. AT LEAST 25% OF BRANCH CIRCUIT FEEDERS FOR MODULAR FURNITURE.
- 2. IECC 2021, 405.11 AUTOMATIC RECEPTACLE CONTROL FUNCTION
- 2.1. EITHER SPLIT CONTROLLED RECEPTACLES, OR WITHIN 12" OF EACH CONTROLLED RECEPTACLE.
- 2.2. CONTROLLED VIA
- 2.2.1 TIMECLOCK 5000 SQUARE FOOT ZONE LIMIT, 2-HOUR MANUAL OVERRIDE OR
- 2.2.2. SENSOR WITH 20 MINUTE TIMEOUT OR 2.2.3. SIGNAL FROM BUILDING SYSTEM WITH 20 MINUTE TIMEOUT (BUILDING AUTOMATION SYSTEM).

## CONTROLLED RECEPTACLE DIAGRAM

REFERENCE					SHEET KEY				
DRAWINGS	##								
x-tb Fox Run Park	##	##	##	##					
x-Background Fox Run Park2504	404 ##	##	##	##	_				
	##	##	##	##	_				
	##	##	##	##					
	No.	DATE	DESCRIPTION	BY	]				
	REVISIONS								
	COMPUTER FILE MANAGEMENT								
	CTB FI PLOT I	ILE: Matrix(b DATE: April 4, 1	nc Projects\Fox Run Regional Park - Pavilion\Project Elec\Fox Run Regional Park Pavilion ELEC.dwg lack).ctb 2025 1:31:48 PM AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.						

ADA MOUNTING HEIGHT REQUIREMENTS

FINISHED FLOOR

#### VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



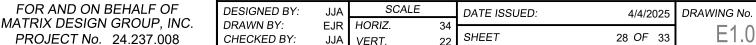
PREPARED BY:

#### **NEW PAVILION**

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

ELECTRICAL LEGEND

4/4/25					
LF OF	DESIGNED BY:	.I.IA	SCALE	DATE ISSUED:	4/4/2025







**Engineering Corporation** 611 North Nevada Avenue

Colorado Springs, Colorado 80903

	P (719)636-0021
SHORT CIRCUIT CURRENT SCHEDULE	

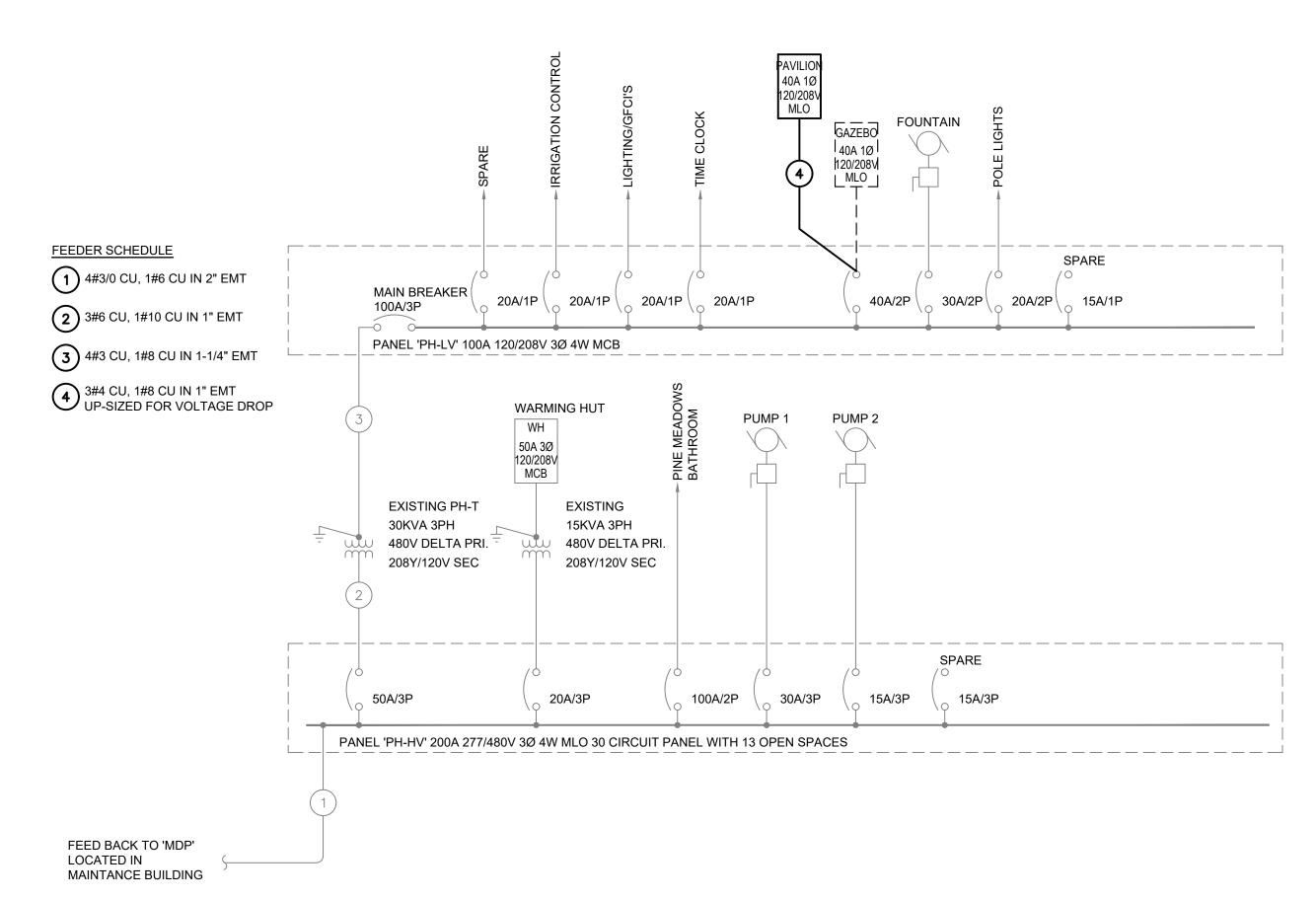
PAVILION PANEL

**FED FROM** 

PANEL PH-LV

- NOTES:
  1. ALL ELECTRICAL EQUIPMENT, FEEDERS AND PANELBOARDS ARE EXISTING TO REMAIN UNLESS NOTED OTHER WISE.
- NEW ADDED BREAKERS TO HAVE AIC RATING MATCHING EXISTING.
   CONTRACTOR SHALL PROVIDE TYPE WRITTEN UPDATED PANEL DIRECTORY FOR ALL PANELS AFFECTED BY THIS SCOPE OF WORK.

10,000 A



FAULT CURRENT INTERRUPTING RATING (AIC/SCCR) FUSE/BREAKER WITHSTAND RATING (EQUIPMENT)

FULLY RATED 10,000 A

1 ELECTRICAL ONE-LINE DIAGRAM
E2.0 SCALE: NONE

PREPARED BY:

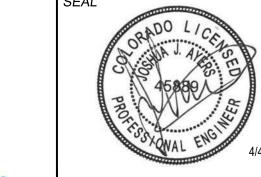
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k-tb Fox Run Park	##	##	##	##			
-Background Fox Run Park2504	04 ##	##	##	##			
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	No.	DATE	DESCRIPTION	BY			
Ţ			REVISIONS		]		
İ	COMPUTER FILE MANAGEMENT						
	CTB FI PLOT I	<i>LE:</i>	Inc Projects\Fox Run Regional Park - Pavilion\Project Elec\Fox Run Regional Park Pavilion ELEC.dwg black).ctb 2025 1:31:49 PM AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				

VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25. FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



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A QWAL ENGLISH

PROJECT No. 24.237.008

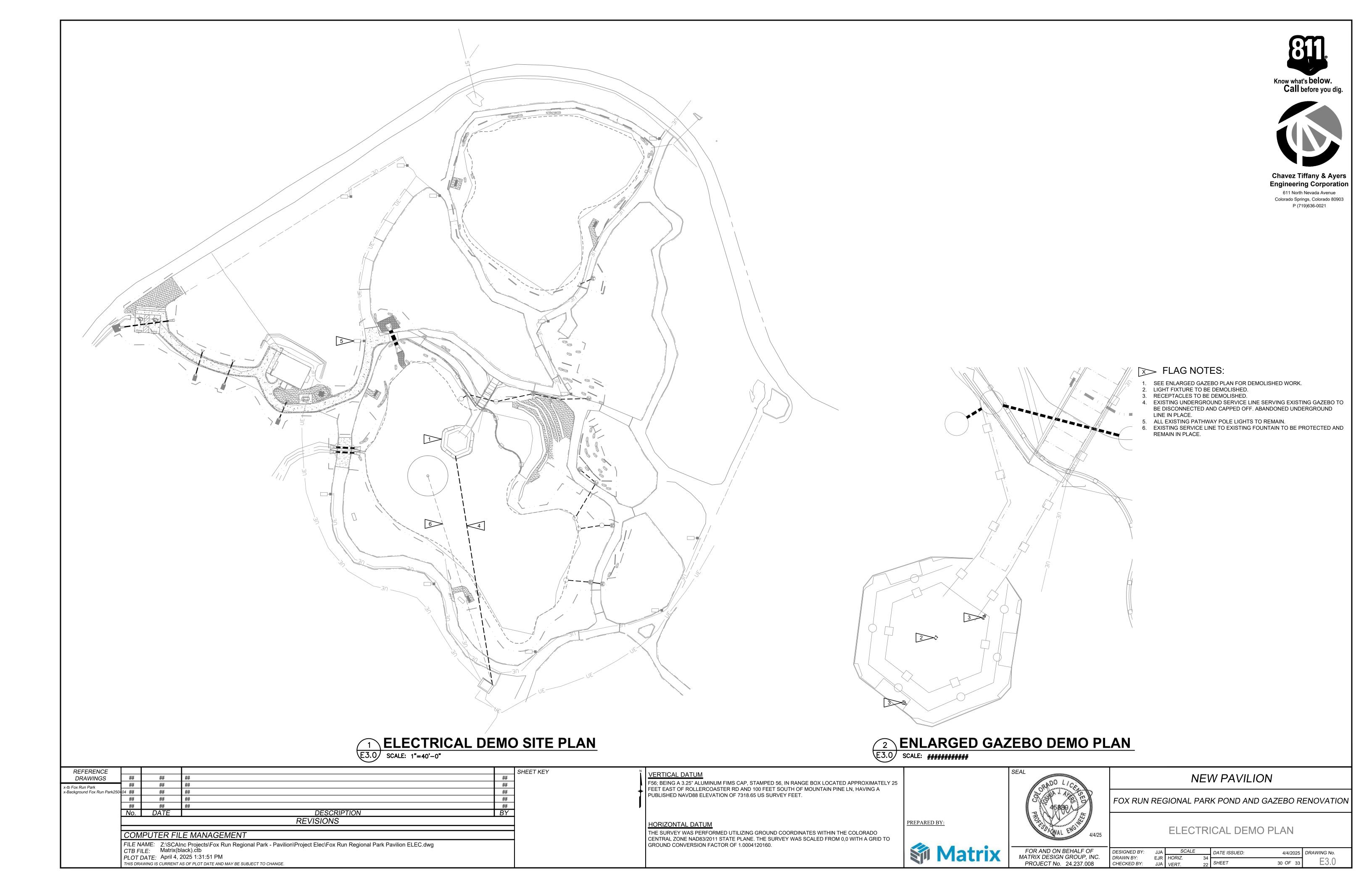
FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

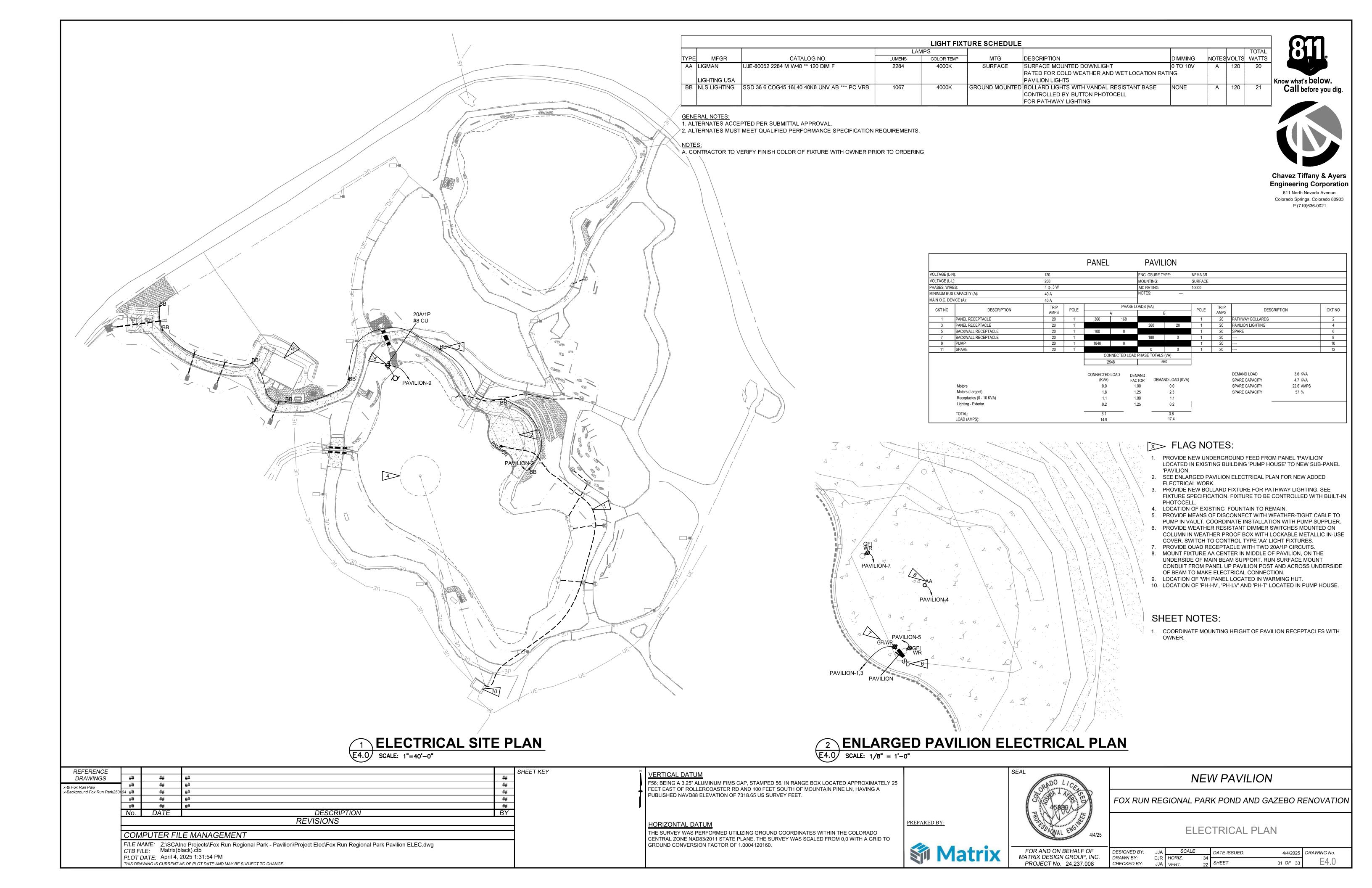
ELECTRICAL ONE-LINE DIAGRAM

**NEW PAVILION** 

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. DESIGNED BY:

JJA SCALE DATE ISSUED:
EJR HORIZ. 34
JJA VERT. 22 SHEET 4/4/2025 DRAWING No. DRAWN BY: 29 OF 33 CHECKED BY:



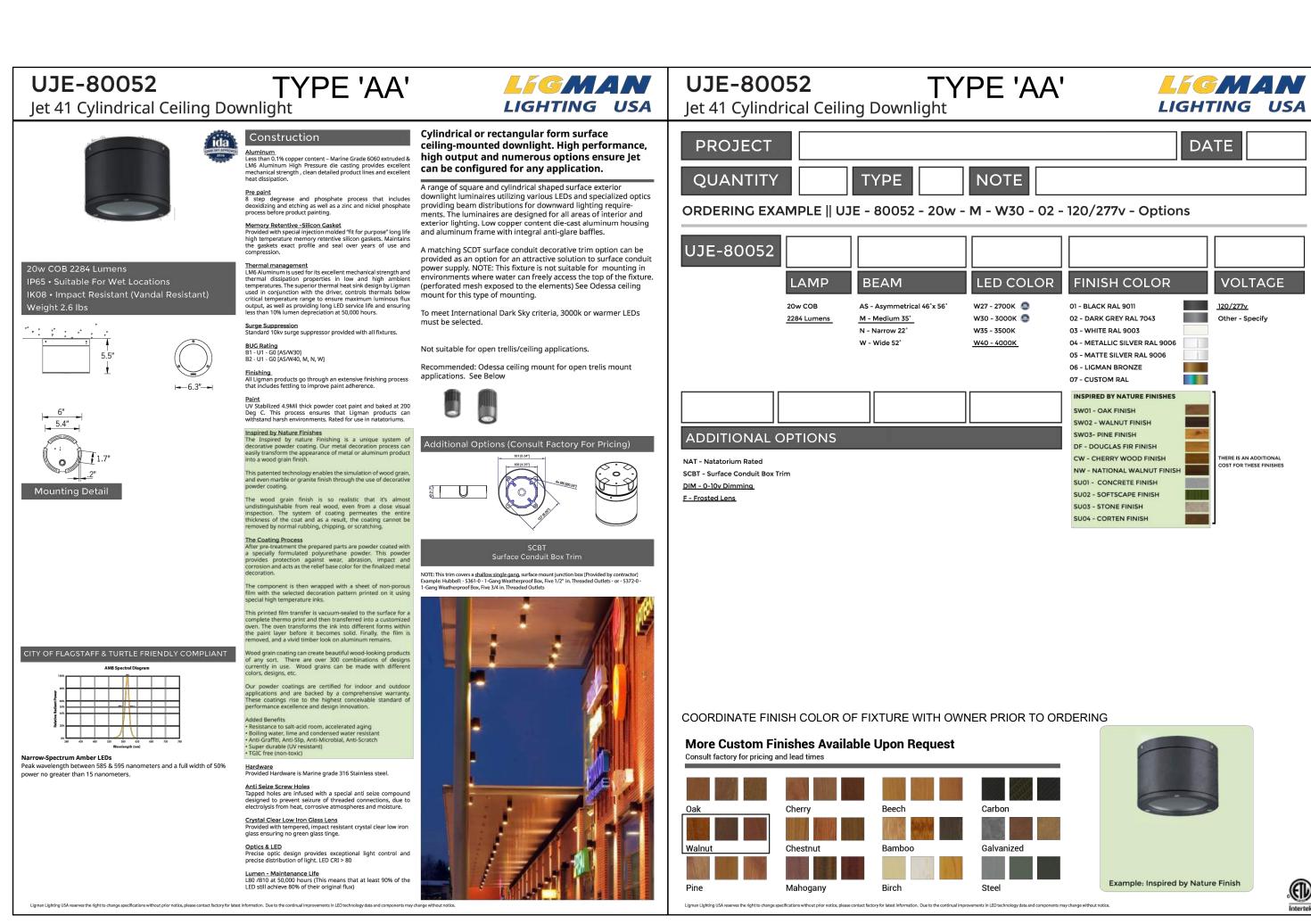






**Chavez Tiffany & Ayers Engineering Corporation** 

611 North Nevada Avenue Colorado Springs, Colorado 80903 P (719)636-0021



	Jet 31  • U3E-30551-15w-1618Im [g4*] - Down	Jet 32 • UJE-30371-15w-1618lm [4"x4"] - Down	Jet 33 • UJE-30391-35w-4094lm [ø6.3*] - Down	Jet 34  • UJE-30411-35w-4094lm [6.5'x6.3"] - Down	Jet 35  • UJE-30341-2x15w-2x1618im [ø4*] - Up/Down	
E						
	Jet 36  • UJE-30361-2x15w-2x1618lm [4*x4*] - Up/Down	Jet 37 • UJE-30381-2x39w-2x4094lm [ø6.3*] - Up/Down	Jet 38  • UJE-30401-2x39w-2x4094lm [6.3"x6.3"] - Up/Down	Jet 39 • UJE-80031-14w-1618Im [#4*]	Jet 40 • UJE-80047-15w-1618Im [4"x4"]	
AL HES						
123	Jet 41  • UJE-8005-39w-4094lm [66.3'-11.6']  • UJE-80052-20w-2284lm [66.3'-5.5']	Jet 42  • UJE-80061-39w-4094lm [6.3'x6.3'-11.6']  • UJE-80062-20w-2284lm [6.3'x6.3'-5.5']	Jet 43  • UJE-95081-14w-1618lm [44*]	Jet 44: • UJE-95091-14w-1618Im [4"x4"]	Jet 45 • UJE-95111-39w-4094lm [#6.37]	
	Jet 46 • UJE-95121-39w-4094lm [6.3*x6.3*]	Jet 47 • UJE-10555-15w-1618lm	Jet 48 • UJE-10565-2x15w-2x1618lm	Jet 49 • UJE-20001-35W-4094lm	Jet 50 • UJE-20002-2x35w-2x4094lm	
	Jet 51  • UJE-50393-33w RCBW-1429Im [46.3*] - Down	Jet 52 - UJE-S0413-33W RGBW-1429Im [6.3"x6.3"] -Down	Jet 53  • UJE-30383-2x39w RGBW-2x4429lm [ø6.3*] - Up/Down	Jet 54  • UJE-30403-2x35w RGBW-2x4429lm [6.5'x6.3"] -Up/Down	Jet 57  • UJE-10571-10w-1132/m  • UJE-10572-16w-2135/m  • UJE-10573-15w-1119/m	
	Jet 58  • UJE-10581-2x/0v-2x/132lm					

TYPE 'AA'

Jet Product Family

REFERENCE					SHEET KEY						
DRAWINGS	##	##	#	##							
x-tb Fox Run Park	##	##	##	##	_						
x-Background Fox Run Park2504	04 ##	##	#	##							
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	No.	DATE	DESCRIPTION	BY							
	REVISIONS										
	COMPUTER FILE MANAGEMENT										
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VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

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PREPARED BY:

SEAL
ORADO LICE
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TO THE PARTY OF TH
TEST WALL ENGLISH

PROJECT No. 24.237.008

**NEW PAVILION** 

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

LIGHT FIXTURE CUT SHEETS

22 SHEET

E5.1

32 OF 33

4/4/20							
FOR AND ON BEHALF OF	DESIGNED BY:	JJA	SCALE		DATE ISSUED:	4/4/2025	DRAWING No.
MATRIX DESIGN GROUP, INC.	DRAWN BY:	EJR	HORIZ.	34			

CHECKED BY:

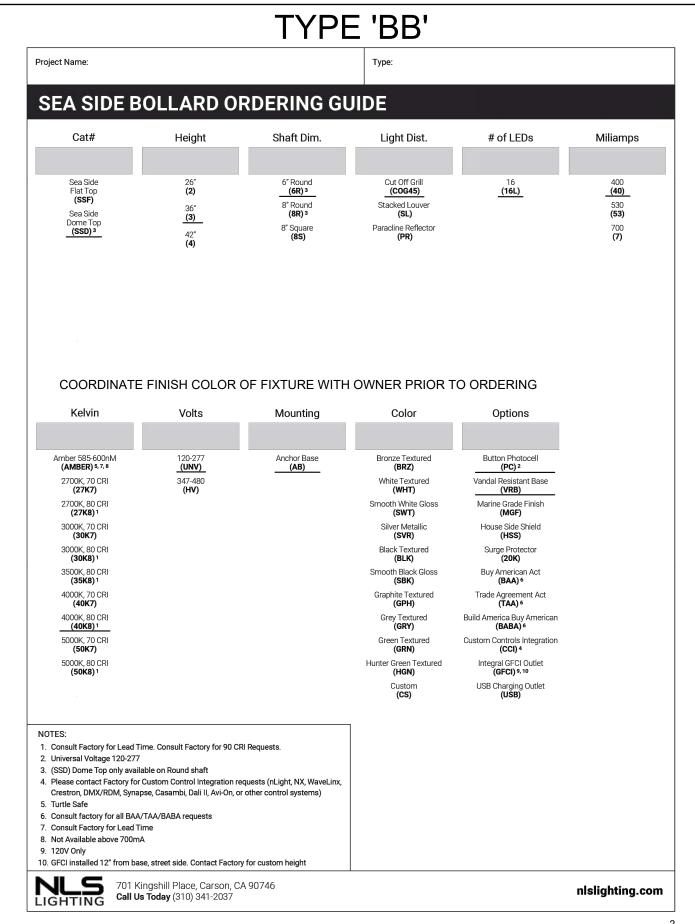


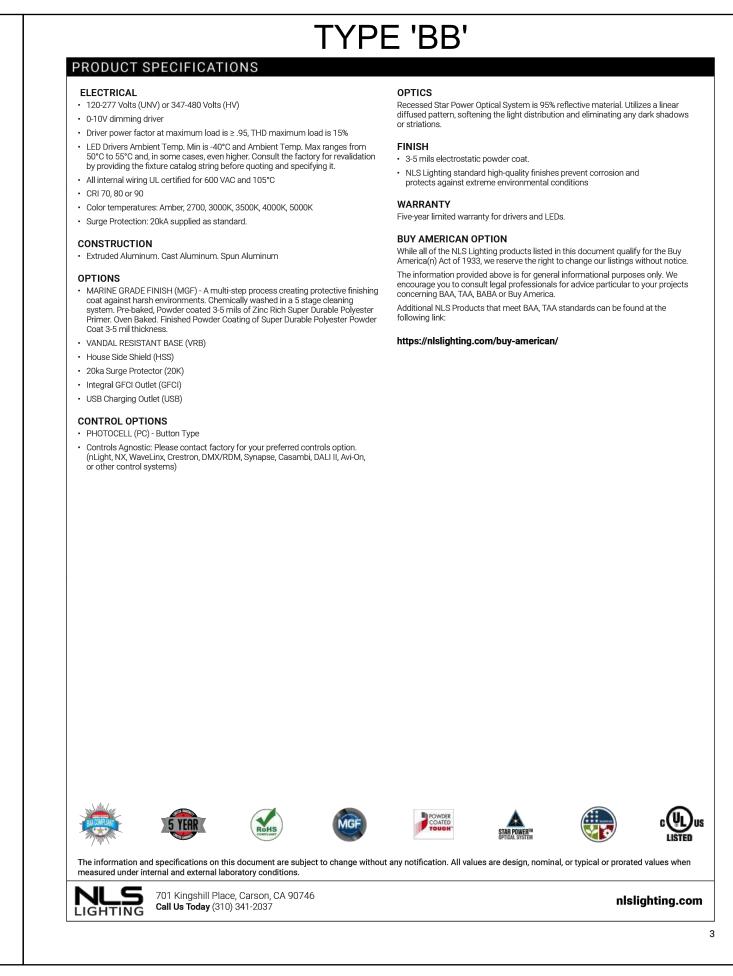


**Chavez Tiffany & Ayers Engineering Corporation** 

611 North Nevada Avenue Colorado Springs, Colorado 80903 P (719)636-0021







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SEA SIDE-PR-16L-40-50K7   1632   78   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002   77   2002									21			
SEA SIDE-PR-16L-53-30K   2002   77   2   2   2   2   2   2   2   2			+							21		
SEA SIDE-PR-16L-53-50K   2184   84   25EA SIDE-PR-16L-7-30K   2695   77   32EA SIDE-PR-16L-7-40K   2835   81   32EA SIDE-PR-16L-7-50K   2975   85   32EA SIDE-PR-16L-7-50K   2975   2975   85   32EA SIDE-PR-16L-7-50K   2975   297	SEA SIDE-PR-16	6L-53-30K			2002			77		26		
SEA SIDE-PR-16L-7-30K   2695   77   3   3   3   3   3   3   3   3										26 26		
SEA SIDE-PR-16L-7-40K   2835   81   3   3   3   3   3   3   3   3   3										35		
LUMEN MAINTENANCE DATA           Ambient Temperature         Drive Current         L90 Hours*         L70 Hours*         30,000 Hours*         60,00 Hours*         100,000 Hours*           25°C         Up to 700mA         58,000         173,000         95.7%         91.6%         89.6%         82.1%	SEA SIDE-PR-16L-7-40K				2835		81			35		
Ambient Temperature         Drive Current         L90 Hours*         L70 Hours*         30,000 Hours*         50,000 Hours*         60,00 Hours*         100,000 Hours*           25°C         Up to 700mA         58,000         173,000         95.7%         91.6%         89.6%         82.1%	SEA SIDE-PR-1	6L-7-50K			2975			85		35		
Temperature         Current         Hours*         Hours**         Hours*         Hours*         Hours**           25°C         Up to 700mA         58,000         173,000         95.7%         91.6%         89.6%         82.1%	Γ			LU	JMEN MAIN	ITENANCE	DATA					
	\[ \]											
10 11 11 15 15 15 15 15 15 15 15 15 15 15			Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%			
*Reported extrapolations per IESNA TM-21 **Projected extrapolations per IESNA TM-21			*Reported extr	apolations per IE	SNA TM-21	**Projec	cted extrapolations	per IESNA TM-21	1			
PROVIDE 4000K COLOR AS SPECIFIED IN FIXTURE SO	-	<u></u>		PRO	VIDE 40	00K CO	LOR AS S	PECIFIED	IN FIXTL	JRE SCH	HEDU'	
D KELVIN RANGE	NELVIN KAN	UE							T			
Color Dominant or Peak War								Color				
Minimum		) (					)	- Colonia de la			Maximu	
Amber 585								Amber	5	985	600	
AMBER 2700K 70 CRI 3000K 70 CRI 3500K 80 CRI 4000K 70 CRI 5000K 70 CRI	RFR	CRI 30	00K 70 CRI	3500K 80 CRI	4000K 70	CRI 50	000K 70 CRI					

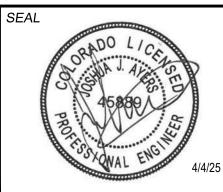
REFERENCE					SHEET KEY					
DRAWINGS	##	##	##	##						
x-tb Fox Run Park	##	##	##	##						
x-Background Fox Run Park2504	04 ##	##	##	##						
	##	##	##	##	1					
	##	##	##	##	1					
	No.	DATE	DESCRIPTION	BY						
	REVISIONS									
	COMPUTER FILE MANAGEMENT									
	FILE NAME: Z:\SCAInc Projects\Fox Run Regional Park - Pavilion\Project Elec\Fox Run Regional Park Pavilion ELEC.dwg  CTB FILE: Matrix(black).ctb  PLOT DATE: April 4, 2025 1:31:59 PM  THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.									

VERTICAL DATUM

F56; BEING A 3.25" ALUMINUM FIMS CAP, STAMPED 56, IN RANGE BOX LOCATED APPROXIMATELY 25 FEET EAST OF ROLLERCOASTER RD AND 100 FEET SOUTH OF MOUNTAIN PINE LN, HAVING A PUBLISHED NAVD88 ELEVATION OF 7318.65 US SURVEY FEET.

HORIZONTAL DATUM

THE SURVEY WAS PERFORMED UTILIZING GROUND COORDINATES WITHIN THE COLORADO CENTRAL ZONE NAD83/2011 STATE PLANE. THE SURVEY WAS SCALED FROM 0,0 WITH A GRID TO GROUND CONVERSION FACTOR OF 1.0004120160.



SEAL
ORADO LICE
3 3 4 E SE
3 45889
Participal AVAL ENGINE
WAL ENGLISH 4/4/

PREPARED BY:

**NEW PAVILION** 

FOX RUN REGIONAL PARK POND AND GAZEBO RENOVATION

LIGHTING FIXTURE CUT SHEETS

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 24.237.008

DESIGNED BY: DRAWN BY: CHECKED BY:

JJA SCALE DATE ISSUED: EJR HORIZ. 34 4/4/2025 DRAWING No. 33 OF 33