

TRIVIEW METROPOLITAN DISTRICT

NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION

EL PASO COUNTY, CO

JANUARY 2023

PCD File No. PPR-22-62

CODE STATEMENT

<p>I. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:</p> <p>A. PIKES PEAK REGIONAL BUILDING CODE (2017) B. INTERNATIONAL BUILDING CODE (2015) C. INTERNATIONAL ENERGY CONSERVATION CODE (2015) D. INTERNATIONAL MECHANICAL CODE (2015) E. INTERNATIONAL FUEL GAS CODE (2015) F. INTERNATIONAL PLUMBING CODE (2018) G. NATIONAL ELECTRICAL CODE (2020) H. ICC/ANSI A117.1 ACCESSIBILITY STANDARD (2009)</p> <p>II. CODE ABSTRACT:</p> <p>A. SCOPE THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A PUMP STATION FOR THE TRIVIEW METROPOLITAN DISTRICT. THE BUILDING WILL HOUSE A PUMPING SYSTEM, PIPING, ELECTRICAL AND CONTROLS EQUIPMENT. ASSOCIATED APPURTENANCES INCLUDE UNDERGROUND SERVICE PIPING.</p>	<p>II. CODE ABSTRACT (CONT.)</p> <p>B. GENERAL PROPERTY INFORMATION -LOCATION: EL PASO COUNTY -LEGAL DESCRIPTION: SEC 03-12-66 -EPC PARCEL SCHED #: 620300002 -ZONING: RR-5 -LAND USE: POLITICAL SUBDIVISION -OWNER: CITY OF COLORADO SPRINGS -TAX STATUS: POLITICAL/EXEMPT</p> <p>C. BUILDING CONSTRUCTION -TOTAL BUILDING AREA: 1,496 SF -BUILDING HEIGHT: 20 FT -# OF LEVELS: 2</p> <p>D. BUILDING CODE ANALYSIS -CONSTRUCTION TYPE: TYPE II-B -O.C. CLASSIFICATION: U -USE: UTILITY -ALLOWABLE HEIGHT: 30 FT</p> <p>E. EGRESS REQUIREMENTS: -OC LOAD CALCULATION: 1,496 SF x 1/100 = 14.96 SF -TOTAL EXITS PROVIDED: 1 -EXITS REQUIRED: 1</p>
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LEGEND

<p>— — — — — PROPERTY LINE</p> <p>— — — — — LICENSE/LEASE AGREEMENT AREA</p> <p>— X — EX FENCE</p> <p>— W — EX WATER LINE</p> <p>— UGE — EX UG ELECTRIC LINE</p> <p>— ● — EX ELEC POWER POLE</p> <p>— ● — EX FIRE HYDRANT</p> <p>— ● — EX TREE (SIZE VARIES)</p> <p>— 7385 — EX CONTOURS—MAJOR</p> <p>— — — — — EX CONTOURS—MINOR</p>	<p>— 7385 — PP CONTOURS—MAJOR</p> <p>— 7386 — PP CONTOURS—MINOR</p> <p>— UGE — PP UG ELECTRIC LINE</p> <p>— W — PP WATER LINE</p> <p>— ● — PP FIRE HYDRANT</p> <p>— X — PP FENCE (BARBED WIRE)</p> <p>— ○ — PP FENCE (SPLIT RAIL)</p> <p>— → — PP VEHICLE TRAFFIC CIRCULATION PATH</p>
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SIGNATURE BLOCKS

DISTRICT APPROVALS

THE TRIVIEW METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE TRIVIEW METROPOLITAN DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

SIGNATURE: _____

TITLE: _____

DATE: _____

IN CASE OF ERRORS OR OMISSIONS WITH THE DESIGN AS SHOWN ON THIS DOCUMENT, THE STANDARDS AS DEFINED IN THE "GENERAL NOTES" SHALL GOVERN.

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE APPLICABLE GOVERNING AGENCIES.

224.29

MARIO L. DIPASQUALE, PE #41667 DATE PROJECT NO.

PRELIMINARY CONSTRUCTION PLANS FOR 1041 SUBMITTAL



VICINITY MAP
N.T.S.



<p style="text-align: center;">PRE-EXCAVATION CHECKLIST</p> <p><input type="checkbox"/> Gas and Other Utility Lines Shown on Construction Plans</p> <p><input type="checkbox"/> Utility Notification Center of Colorado (UNCC)—Call at Least Two (2) Business Days Ahead—1-800-922-1987</p> <p><input type="checkbox"/> Utilities Located & Marked on the Ground</p> <p><input type="checkbox"/> Employees Briefed on Marking and Color Codes*</p> <p><input type="checkbox"/> Employees Trained on Excavation and Safety Procedures for Natural Gas Lines</p> <p><input type="checkbox"/> When Excavation Approaches Gas Lines, Employees Must Expose Lines by Careful Probing and Hand-Digging</p>	<p style="text-align: center;">COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>WHITE PROPOSED EXCAVATION</p> <p>MAGENTA TEMPORARY SURVEY MARKINGS</p> <p>RED ELECTRIC</p> <p>YELLOW GAS, OIL, STEAM</p> <p>ORANGE COMMUNICATION, CATV</p> <p>BLUE POTABLE WATER</p> <p>PURPLE IRRIGATION, RECLAIMED WATER, SLURRY LINES</p> <p>GREEN SEWER</p> </td> <td style="width: 50%; text-align: right;">  </td> </tr> </table>	<p>WHITE PROPOSED EXCAVATION</p> <p>MAGENTA TEMPORARY SURVEY MARKINGS</p> <p>RED ELECTRIC</p> <p>YELLOW GAS, OIL, STEAM</p> <p>ORANGE COMMUNICATION, CATV</p> <p>BLUE POTABLE WATER</p> <p>PURPLE IRRIGATION, RECLAIMED WATER, SLURRY LINES</p> <p>GREEN SEWER</p>	
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JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION 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 TRIVIEW METROPOLITAN DISTRICT DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

SHEET INDEX

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	COVER SHEET		
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G3	VICINITY MAP	A2	ARCHITECTURAL ROOF PLAN
		A3	EAST & WEST BUILDING ELEVATIONS
		A4	NORTH & SOUTH BUILDING ELEVATIONS
		A5	ARCHITECTURAL SECTIONS
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C1	OVERALL SITE PLAN	ELECTRICAL	
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PARTICIPANTS

<p>OWNER TRIVIEW METROPOLITAN DISTRICT 16055 OLD FOREST POINT STE 302 MONUMENT, CO 80132 CONTACT: JIM MCGRADY PHONE: (719) 488-6868</p>	<p>CONSULTING/DESIGN ENGINEER JDS-HYDRO CONSULTANTS, A DIVISION OF RESPEC 5540 TECH CENTER DR STE 100 COLORADO SPRINGS, CO 80919 CONTACT: GWEN DALL, PE PHONE: (719) 402-0014</p>	<p>DRAINAGE ENGINEER RESPEC 121 S TEJON ST STE 1110 COLORADO SPRINGS, CO 80903 CONTACT: RICH GALLEGOS, PE PHONE: (719) 266-5212</p>
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SURVEY DATA

TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

HORIZONTAL DATUM: HORIZONTAL COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL BASED UPON THE FOLLOWING: COORDINATES ARE SCALED FROM CONTROL POINT 5052 BEING A 2-INCH ALUMINUM CAP STAMPED AZTEC CP 52 SET AT THE TOP OF A DIRT BANK ALONG THE EAST SIDE OF GLEN EAGLE DR. APPROXIMATELY 380+ FEET NORTHERLY OF ST. LAWRENCE WAY. VALUES ARE BASED UPON A STATIC SURVEY SESSION WITH THE FOLLOWING RESULTS:

LATITUDE: 39-04-05916N; LONGITUDE: 104-49-24.82486 W
 STATE PLANE NORTHING: 1,450,401.759; STATE PLANE EASTING: 3,192,049.712
 SCALE FACTOR: 1.0004063250
 TRUNCATE NORTHING: 1,000,000.00; TRUNCATE EASTING: 3,000,000.00
 PROJECT NORTHING: 450,401.759; PROJECT EASTING: 192,049.712

VERTICAL DATUM: NAVD 88 WITH GEOID G18US; BENCHMARK: CP 5052 EL: 7213.70
 BENCHMARK: NGS CS110/DM9842 EL: 6843.25; BENCHMARK: NGS S294/KK0272 EL: 7116.72

N:\Projects\224-Triview Metro District\224-29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\00_Cover\22429_COVER.dwg 2023/02/20 2:01 PM By: Shelby Heule

TRIVIEW METRO DISTRICT GENERAL NOTES:

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE SITE WORK STANDARDS AND SPECIFICATIONS, THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TRIVIEW METROPOLITAN DISTRICT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS, AND APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY TRIVIEW METROPOLITAN DISTRICT. THE DISTRICTS WILL ALSO INSPECT ALL WORK ON PRIVATE PROPERTY.
- THE TRIVIEW METROPOLITAN DISTRICT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS MANUALS ARE CONSIDERED PART OF THIS CONSTRUCTION DRAWING SET. THIS DESIGN AND PLAN SET IS INCOMPLETE WITHOUT THESE SPECIFICATIONS MANUALS. THE CONTRACTOR SHALL OBTAIN A COPY OF THESE MANUALS AND BE FAMILIAR WITH THEM FOR ALL CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ACTUAL CONSTRUCTION. ALL EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION OF RECORD. THE CONTRACTOR IS RESPONSIBLE FOR TAKING PRECAUTIONARY MEASURES TO PROTECT THE EXISTING UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS AND AGREES TO ACCEPT FULL RESPONSIBILITY FOR FAILURE TO LOCATE AND PRESERVE ANY EXISTING UTILITIES. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TRIVIEW METROPOLITAN DISTRICT AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH THE MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ALL PERMITS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS IMMEDIATELY.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE TOWN OF MONUMENT FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON THE SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, WHICH SHALL BE AVAILABLE TO THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS AT ALL TIMES. A REPRODUCIBLE SET OF AS-BUILT DRAWINGS MUST BE FURNISHED TO TRIVIEW METROPOLITAN DISTRICT AT THE COMPLETION OF THE PROJECT, PRIOR TO FINAL APPROVAL BY THE TRIVIEW METROPOLITAN DISTRICT.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER-OF-RECORD FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- ALL STRUCTURAL EROSION CONTROL MEASUREMENTS SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BE THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

- THE CONTRACTOR SHALL SEQUENCE THE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
- NO SITE-RELATED IMPROVEMENTS MAY COMMENCE UNTIL A PRE-CONSTRUCTION MEETING IS HELD WITH THE TRIVIEW METROPOLITAN DISTRICT AND ALL APPLICABLE PERMITS ARE OBTAINED.
- THE CONTRACTOR MUST IDENTIFY TO THE TRIVIEW METROPOLITAN DISTRICT, PRIOR TO THE START OF ANY WORK, A QUALIFIED PLAN PERSON RESPONSIBLE FOR REVIEWING AND MONITORING ALL OPERATIONS IN ORDER TO PREVENT OR MINIMIZE THE IMPACT OF VIBRATION, NOISE, DUST, DRAINAGE, AND EROSION DAMAGE, AND OTHER FORMS OF POLLUTION ON NEARBY PROPERTY AND THE PUBLIC AS A WHOLE. THE DEVELOPER MUST WRITE TO THE OWNERS/OCCUPANTS OF PROPERTIES WITHIN AT LEAST 100 YARDS OF THE LIMITS OF THE WORKSITE, INFORMING THEM OF THE NATURE AND TIMING OF THE PROJECT AND PROVIDING CONTACT DETAILS FOR COMPLAINTS.

GENERAL CONSTRUCTION NOTES:

- THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING IMPROVEMENTS TO BE MET BY THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. ANY SIGNIFICANT DISCREPANCIES FOUND BETWEEN THIS PLAN SET AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD FOR APPROPRIATE ACTION.
- THE CONTRACTOR IS ADVISED THAT ALL EXISTING CONDITIONS OUTSIDE THE AREA OF WORK SHALL BE PROTECTED, IF DAMAGE OCCURS DURING CONSTRUCTION, IT WILL BE REPLACED IN THE ORIGINAL, EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND ROUTING DURING CONSTRUCTION, IF REQUIRED. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE WORK AREA AT ALL TIMES.
- ALL DISTURBED AREAS THAT ARE TO REMAIN UNCOVERED FOR A PERIOD GREATER THAN 2 MONTHS SHALL BE RESEEDED AND WATERED UNTIL STABLE VEGETATION IS ESTABLISHED.
- AT LEAST ONE SIGNED AND STAMPED SET OF THESE CONSTRUCTION DRAWINGS SHALL BE KEPT ON-SITE AT ALL TIMES.
- ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE TRIVIEW METROPOLITAN DISTRICT, AND THE DISTRICTS' ENGINEERS. ANY REVISION OF THE PLANS SHALL BE SO NOTED, WITH THE OLD DRAWINGS MARKED NOT VALID.
- ALL STATIONING IS CENTER LINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE BOTTOM OF PIPE UNLESS OTHERWISE NOTED.
- ALL BURIED DUCTILE IRON PIPE, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
- ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRE WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING.
- ALL MAIN LINES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH TRACER WIRE WITH TEST STATIONS EVERY 500 FT (UNLESS VALVE BOXES CAN BE USED AT INTERSECTIONS AND SERVICE STUBS).
- ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
- COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE TRIVIEW METROPOLITAN DISTRICT FOR REVIEW AND APPROVAL.
- ALL BENDS SHALL BE STAKED PRIOR TO THE START OF CONSTRUCTION.
- ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE TRIVIEW METROPOLITAN DISTRICT AS REQUESTED.
- AT THE CONTRACTOR'S EXPENSE ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR THE METROPOLITAN DISTRICTS AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
- THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINES) SHALL HAVE LIABILITY INSURANCE NAMING THE TRIVIEW METROPOLITAN DISTRICT AS ADDITIONAL INSURERS AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICTS. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICT OFFICE.

- THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868), AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEERS AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICTS.

19. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN DISTRICTS:

- PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR, AND THE DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE TRIVIEW METROPOLITAN DISTRICT (488-6868) TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED UNTIL THREE (3) SIGNED/APPROVED PLAN SETS ARE RECEIVED BY THE METROPOLITAN DISTRICTS.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.

20. PRESSURE TESTING OF FACILITIES:

- THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
- ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS
 - TEST 100% OF ALL LINES.
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS)

21. DISINFECTION OF FACILITIES:

- THE CONTRACTOR SHALL DISINFECT ALL DOMESTIC WATERLINES ACCORDING TO AWWA STANDARDS B-300 AND C-601, INCLUDING PRELIMINARY FLUSHING, CHLORINATION, AND FINAL FLUSHING.
- THE CONTRACTOR SHALL COLLECT SAMPLES FROM END OF PIPELINE AFTER FINAL FLUSHING AND PRIOR TO PLACING WATERLINES IN SERVICE AND TEST FOR COLIFORM ORGANISMS. THE NUMBER AND FREQUENCY OF SAMPLES SHALL CONFORM WITH THE REQUIREMENTS OF THE PUBLIC HEALTH AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL PAY FOR THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SAMPLING AND TESTING AS REQUIRED.
- REPEAT DISINFECTION UNTIL SATISFACTORY SAMPLES HAVE BEEN OBTAINED IF INITIAL OR SUBSEQUENT DISINFECTION FAILS TO PRODUCE SATISFACTORY SAMPLES.

22. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS:

- NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUSHING, DISINFECTION, BAC-T TESTING, AND COMPACTION TESTING, AND UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
- NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO THE USE OF THE FACILITY.
- NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICTS, AND RECORDED.

23. ALL WATER LINES SHALL HAVE "AS BUILT" PLANS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.

24. SUBSURFACE UTILITY ENGINEERING

- UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WITH THEIR ACHIEVED "QUALITY LEVELS" AS DEFINED IN THE AMERICAN SOCIETY OF CIVIL ENGINEER'S DOCUMENT ASCE 38, "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
- RELiance UPON THESE DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION. IT IS IMPORTANT THAT THE CONTRACTOR INVESTIGATES AND UNDERSTANDS THE SCOPE OF WORK BETWEEN THE PROJECT OWNER AND THEIR ENGINEER REGARDING THE SCOPE AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.

COLORADO SPRINGS UTILITIES NOTES:

- THE COLORADO SPRINGS UTILITIES WATER LINE EXTENSION AND SERVICE STANDARDS 2023 ARE CONSIDERED PART OF THIS CONSTRUCTION DRAWING SET AND APPLICABLE FOR ALL CONNECTIONS TO THE CSU SYSTEM AND ALL CROSSINGS OF EXISTING CSU UTILITY LINES.
- THE CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.



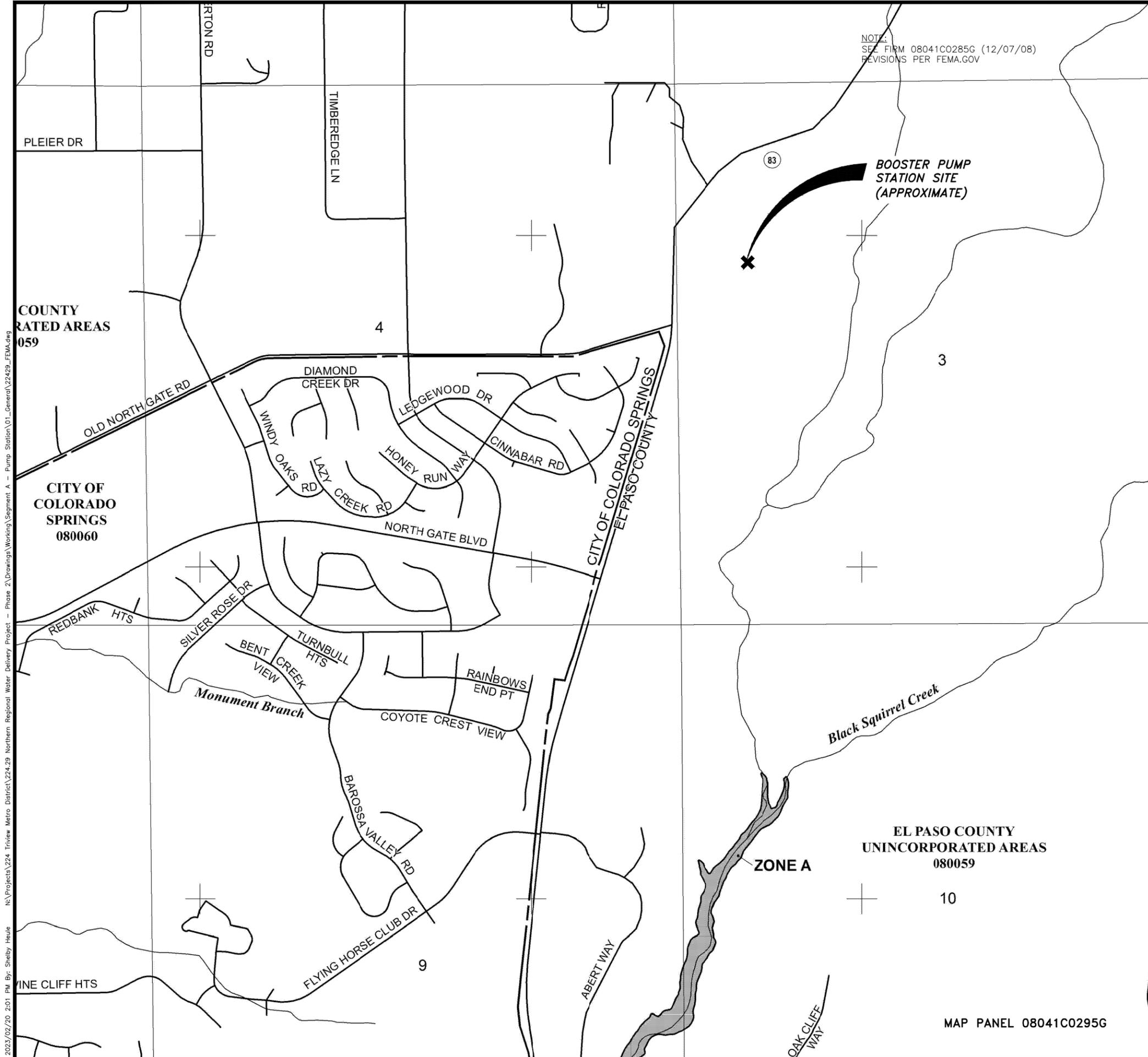
TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
 GENERAL NOTES

NO.	DESCRIPTION	BY	APP.	DATE
1	NOTE UPDATED	SNH	MLD	02/03/23
2				
3				
4				
5				
6				
7				

1041 PRELIM

Project No.: W224.21029
 Date: 01/09/23
 Design: MLD
 Drawn: AMY
 Check: MLD

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

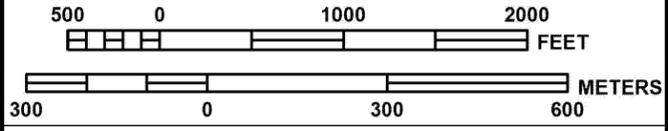


LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
 - Floodplain boundary
 - Floodway boundary
 - FLOODWAY AREAS IN ZONE AE
- The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.



MAP SCALE 1" = 1000'



PANEL 0295G

FIRM FLOOD INSURANCE RATE MAP EL PASO COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 295 OF 1300

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLORADO SPRINGS, CITY OF	080060	0295	G
EL PASO COUNTY	080059	0295	G

Notice to User: The Map Number shown below should be used when placing map orders: the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
08041C0295G

MAP REVISED
DECEMBER 7, 2018

Federal Emergency Management Agency

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
FEMA FLOODPLAIN MAP

NO.	DESCRIPTION	BY	APP.	DATE
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1041 PRELIM

Project No.: W224.21029
Date: 01/09/23
Design: MLD
Drawn: AMY
Check: MLD

2023/02/20 2:01 PM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\01_General\22429_FEMA.dwg

2023/02/20 2:02 PM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\01_General\22429_VICINITY_MAP.dwg



SCHEDULE #: 6203000002
 OWNER: CITY OF COLORADO SPRINGS
 LOCATION: EL PASO COUNTY

JDS-HYDRO CONSULTANTS, INC.
 5640 TECH CENTER DR, SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

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TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
 VICINITY MAP

NO.	DESCRIPTION	BY	APP.	DATE
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1041 PRELIM

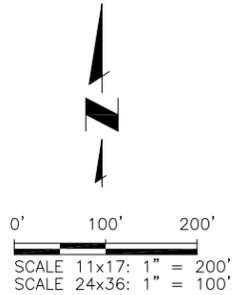
Project No.: W224.21029
 Date: 01/09/23
 Design: MLD
 Drawn: AMY
 Check: MLD

- NOTES:**
1. THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION 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 OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.
 2. FEMA 100-YR FLOODPLAIN NOT WITHIN SITE BOUNDARIES.
 3. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MANY NOT BE ALL INCLUSIVE. CONTRACTOR TO VERIFY.
 4. SEE GEC DRAWINGS FOR GRADING AND EROSION CONTROL DETAILS.

LEGAL DESCRIPTION:

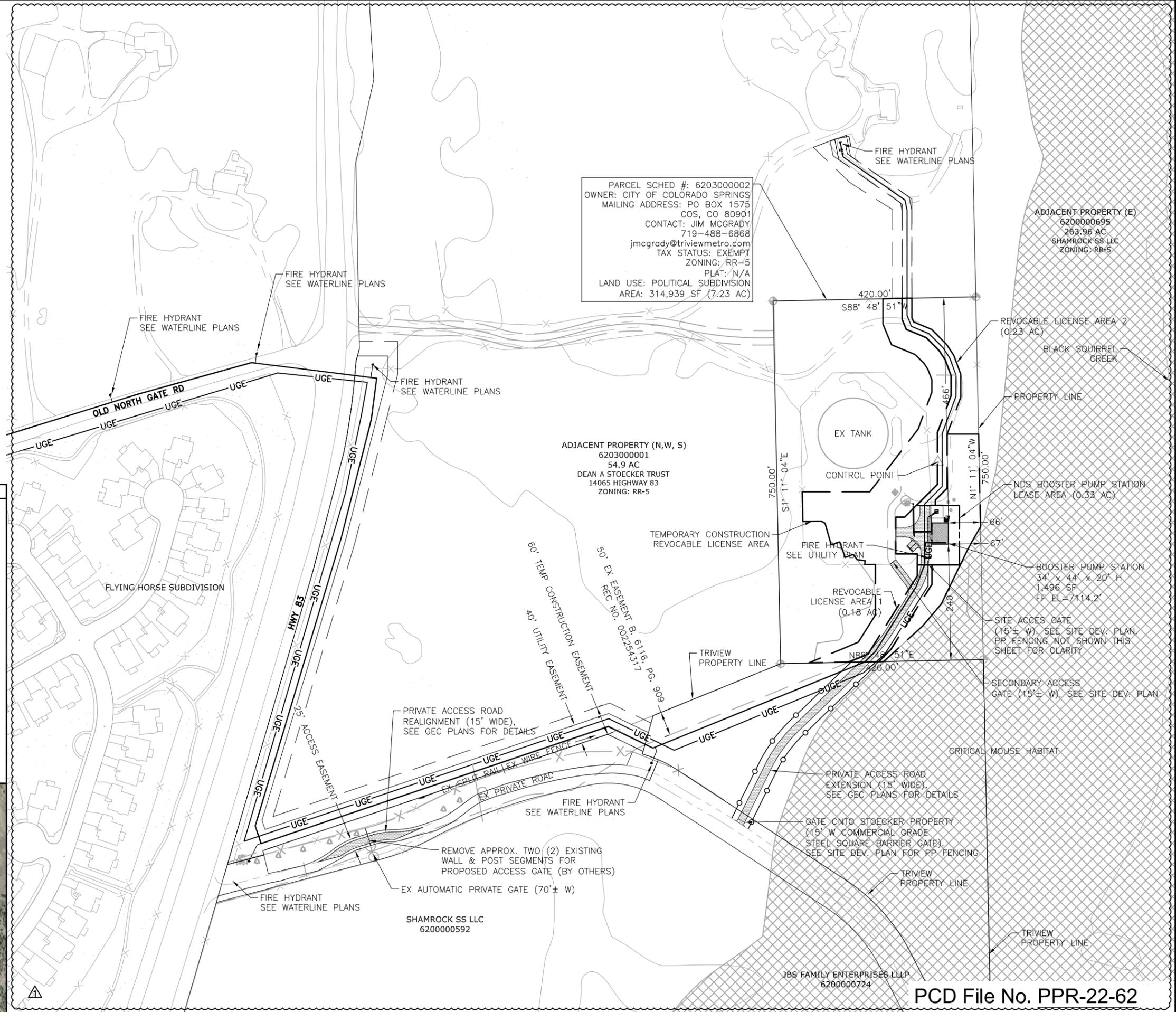
PROPERTY
 TR OF LAND IN SEC 03-12-66 DESC AS FOLS: COM AT SW COR OF SD SEC 3, TH N 00°52'30" W 2644.43 FT TO W4 COR OF SEC 3, S 89°24'29" E 1317.41 FT TO NE COR OF NW4SW4 OF SEC 3 FOR POB, TH S 00°49'41" E 350.25 FT, S 89°10'19" W 420.0 FT, N 00°49'38" W 750.0 FT, N 89°10'19" E 420.0 FT, S 00°49'31" E 399.75 FT TO POB

LICENSE AND LEASE AREAS
 SEE ENCLOSED LEGAL DESCRIPTIONS



LEGEND

- PROPERTY LINE
- - - EASEMENT/LEASE AGREEMENT AREA
- X EX FENCE
- W- EX WATER LINE
- UGE EX UG ELECTRIC LINE
- EX ELEC POWER POLE
- EX FIRE HYDRANT
- EX TREE (SIZE VARIES)
- 7385 EX CONTOURS-MAJOR
- 7385 EX CONTOURS-MINOR
- 7386 PP CONTOURS-MAJOR
- 7386 PP CONTOURS-MINOR
- UGE PP UG ELECTRIC LINE
- W- PP WATER LINE
- PP FIRE HYDRANT
- X PP FENCE (BARBED WIRE)
- O-O- PP FENCE (SPLIT RAIL)
- PP VEHICLE TRAFFIC CIRCULATION PATH



PARCEL SCHED #: 620300002
 OWNER: CITY OF COLORADO SPRINGS
 MAILING ADDRESS: PO BOX 1575
 COS, CO 80901
 CONTACT: JIM MCGRADY
 719-488-6868
 jmcgrady@triviewmetro.com
 TAX STATUS: EXEMPT
 ZONING: RR-5
 PLAT: N/A
 LAND USE: POLITICAL SUBDIVISION
 AREA: 314,939 SF (7.23 AC)

ADJACENT PROPERTY (E)
 620000695
 263.96 AC
 SHAMROCK SS LLC
 ZONING: RR-5

ADJACENT PROPERTY (N,W, S)
 620300001
 54.9 AC
 DEAN A STOECKER TRUST
 14065 HIGHWAY 83
 ZONING: RR-5

JBS FAMILY ENTERPRISES LLLP
 6200000724

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
 OVERALL SITE PLAN

NO.	DESCRIPTION	BY	APP.	DATE
1	UPDATE 1	GGM	MLD	10/31/22
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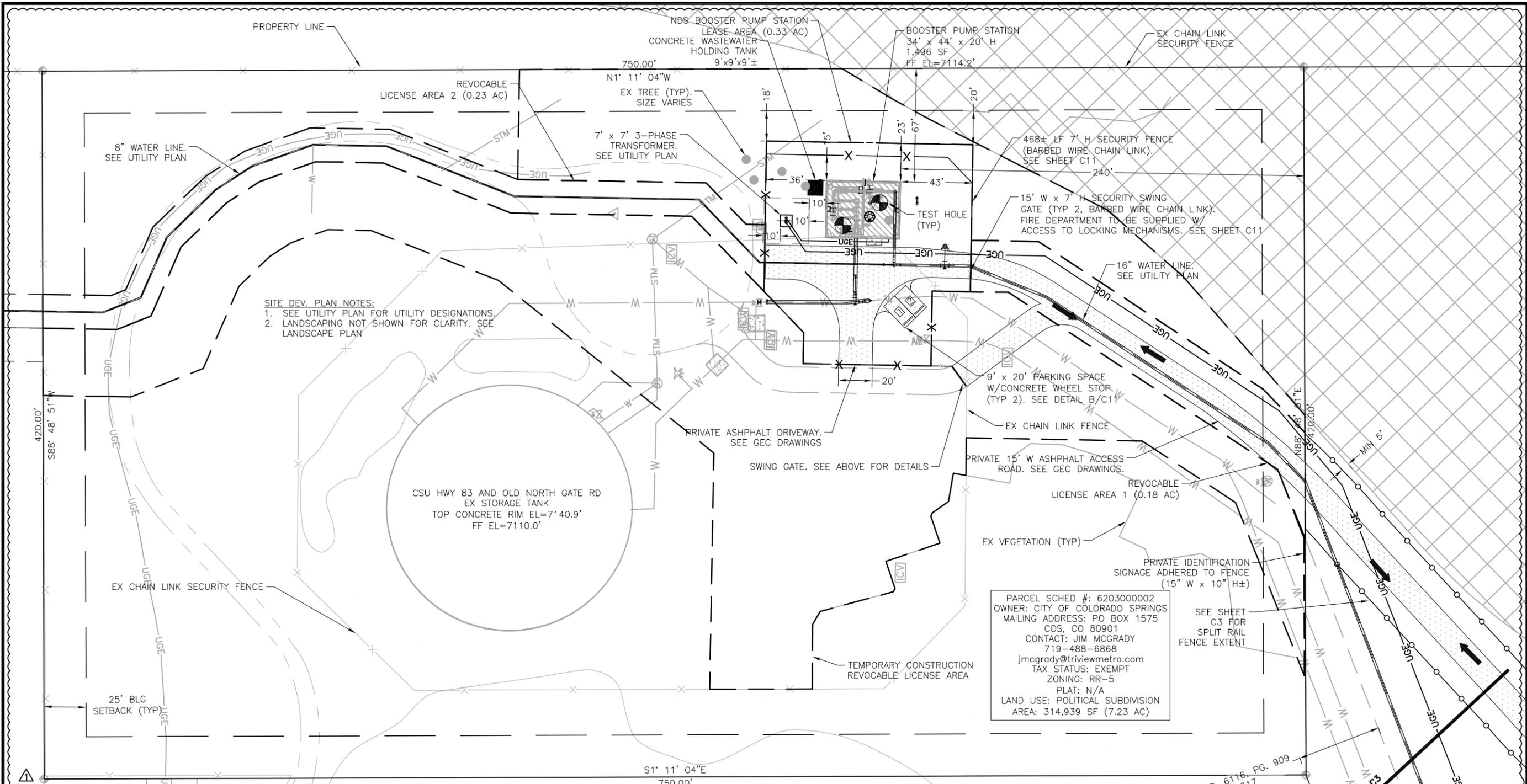
1041 PRELIM

Project No.: W224.21029
 Date: 01/09/23
 Design: MLD
 Drawn: GGM
 Check: MLD

PCD File No. PPR-22-62

C1
 SHEET 6 OF 51

2023/02/27 12:14 PM By: Gina Mangino N:\Projects\224 224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\22429_Civil_PS.dwg



SITE DEV. PLAN NOTES:
 1. SEE UTILITY PLAN FOR UTILITY DESIGNATIONS.
 2. LANDSCAPING NOT SHOWN FOR CLARITY. SEE LANDSCAPE PLAN

PARCEL SCHED #: 6203000002
 OWNER: CITY OF COLORADO SPRINGS
 MAILING ADDRESS: PO BOX 1575
 COS, CO 80901
 CONTACT: JIM MCGRADY
 719-488-6868
 jmcgrady@triviewmetro.com
 TAX STATUS: EXEMPT
 ZONING: RR-5
 PLAT: N/A
 LAND USE: POLITICAL SUBDIVISION
 AREA: 314,939 SF (7.23 AC)

PCD File No. **PPR-22-62**



LEGAL DESCRIPTION:
 TR OF LAND IN SEC 03-12-66 DESC AS FOLS: COM AT SW COR OF SD SEC 3, TH N 00<52'30" W 2644.43 FT TO W4 COR OF SEC 3, S 89<24'29" E 1317.41 FT TO NE COR OF NW4SW4 OF SEC 3 FOR POB, TH S 00<49'41" E 350.25 FT, S 89<10'19" W 420.0 FT, N 00<49'38" W 750.0 FT, N 89<10'19" E 420.0 FT, S 00<49'31" E 399.75 FT TO POB

LICENSE AND LEASE AREAS
 SEE ENCLOSED LEGAL DESCRIPTIONS

LEGEND

—	PROPERTY LINE	— 7385 —	PP CONTOURS—MAJOR
- - -	EASEMENT/LEASE AGREEMENT AREA	— 7386 —	PP CONTOURS—MINOR
x	EX FENCE	— UGE —	PP UG ELECTRIC LINE
W	EX WATER LINE	— W —	PP WATER LINE
UGE	EX UG ELECTRIC LINE	●	PP FIRE HYDRANT
OHE	EX OH ELECTRIC LINE	x	PP FENCE (BARBED WIRE)
T	EX TELEPHONE LINE	—○—○—	PP FENCE (SPLIT RAIL)
⊕	EX ELEC POWER POLE	→	PP VEHICLE TRAFFIC CIRCULATION PATH
●	EX FIRE HYDRANT		
○	EX TREE (SIZE VARIES)		
— 7385 —	EX CONTOURS—MAJOR		
- - -	EX CONTOURS—MINOR		

- NOTES:**
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 - FEMA 100-YR FLOODPLAIN NOT WITHIN SITE BOUNDARIES.
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 - SEE GEC DRAWINGS FOR GRADING AND EROSION CONTROL DETAILS.
 - SEE OVERALL SITE PLAN FOR ADJACENT PROPERTY OWNERSHIP.

PARKING COVERAGE:

USE	RATIO	REQUIRED	PROVIDED	ADA
INDUSTRIAL	1 PER 750 SF	2	2	N/A

COVERAGE:	SF	%
EASEMENT/LEASE AREA	32,493	
STRUCTURES (PUMP STATION)	1,496	4.60%
DRIVEWAY, PARKING, PADS	7,755	23.87%
LANDSCAPED AREA INCL. DISTURBED RE-SEED	23,241	71.53%
UNDISTURBED	0	0.00%
DENSITY		100.00%

APPLICANT/PLAN PREPARER:
 JDS-HYDRO CONSULTANTS,
 A DIVISION OF RESPEC
 CONTACT: MARIO DIPASQUALE, P.E.
 719-227-0072
 mdipasquale@jds-hydro.com

PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR APPROVAL:

 DIRECTOR

 DATE

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

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TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
 SITE DEVELOPMENT PLAN & ACCESS ROAD

REVISIONS

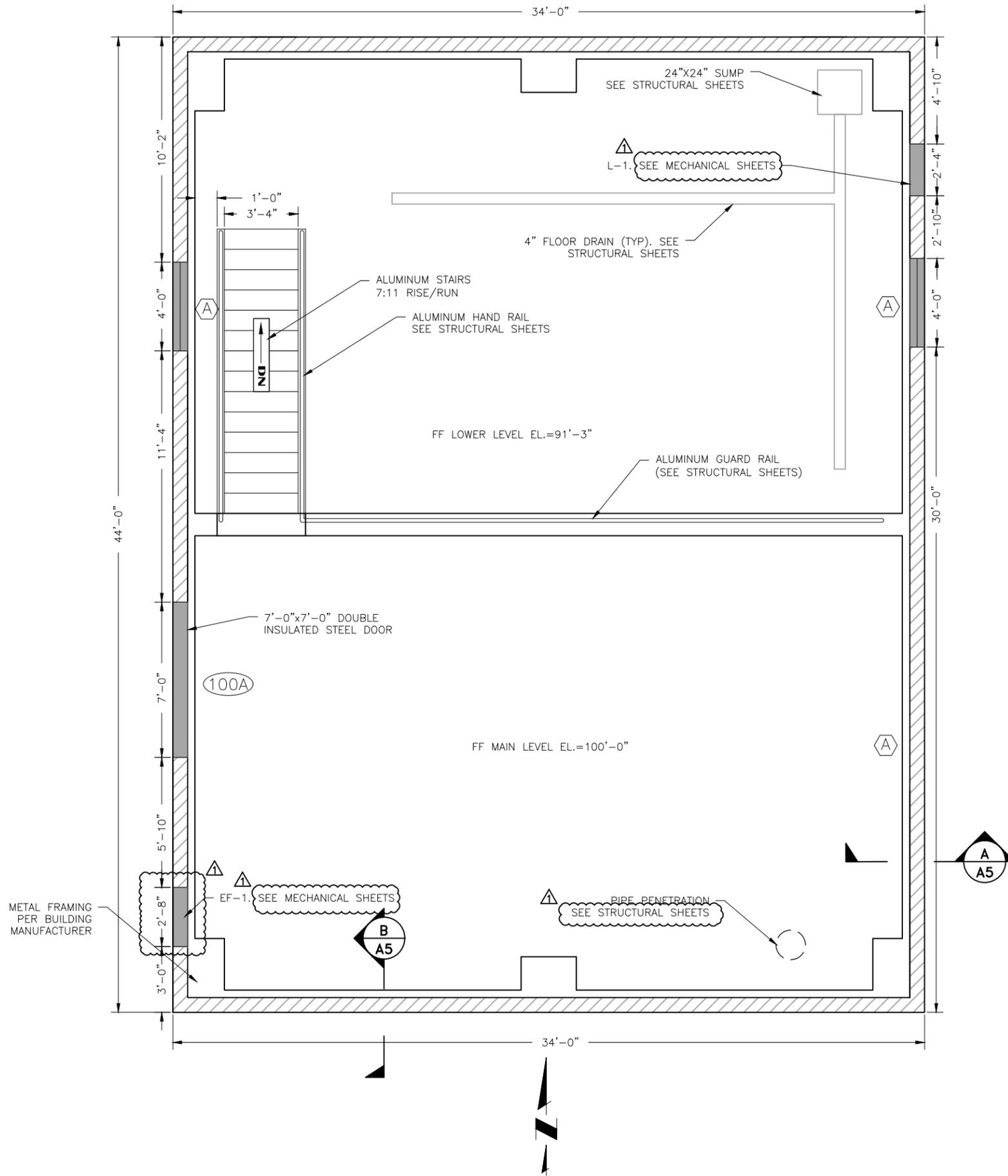
NO.	DESCRIPTION	BY	APP.	DATE
1	UPDATE 1	GGM	MLD	10/31/22
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1041 PRELIM

Project No.: W224-21029
 Date: 01/09/23
 Design: MLD
 Drawn: GGM
 Check: MLD

C2
 SHEET 7 OF 51

N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\06_Architectural\224029_Arch.dwg



ARCHITECTURAL FLOOR PLAN
SCALE: 3/16"=1'-0"

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(719) 227-0072

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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
ARCHITECTURAL FLOOR PLAN

REVISIONS		BY	APP.	DATE
NO.	DESCRIPTION	CGM	MLD	10/31/22
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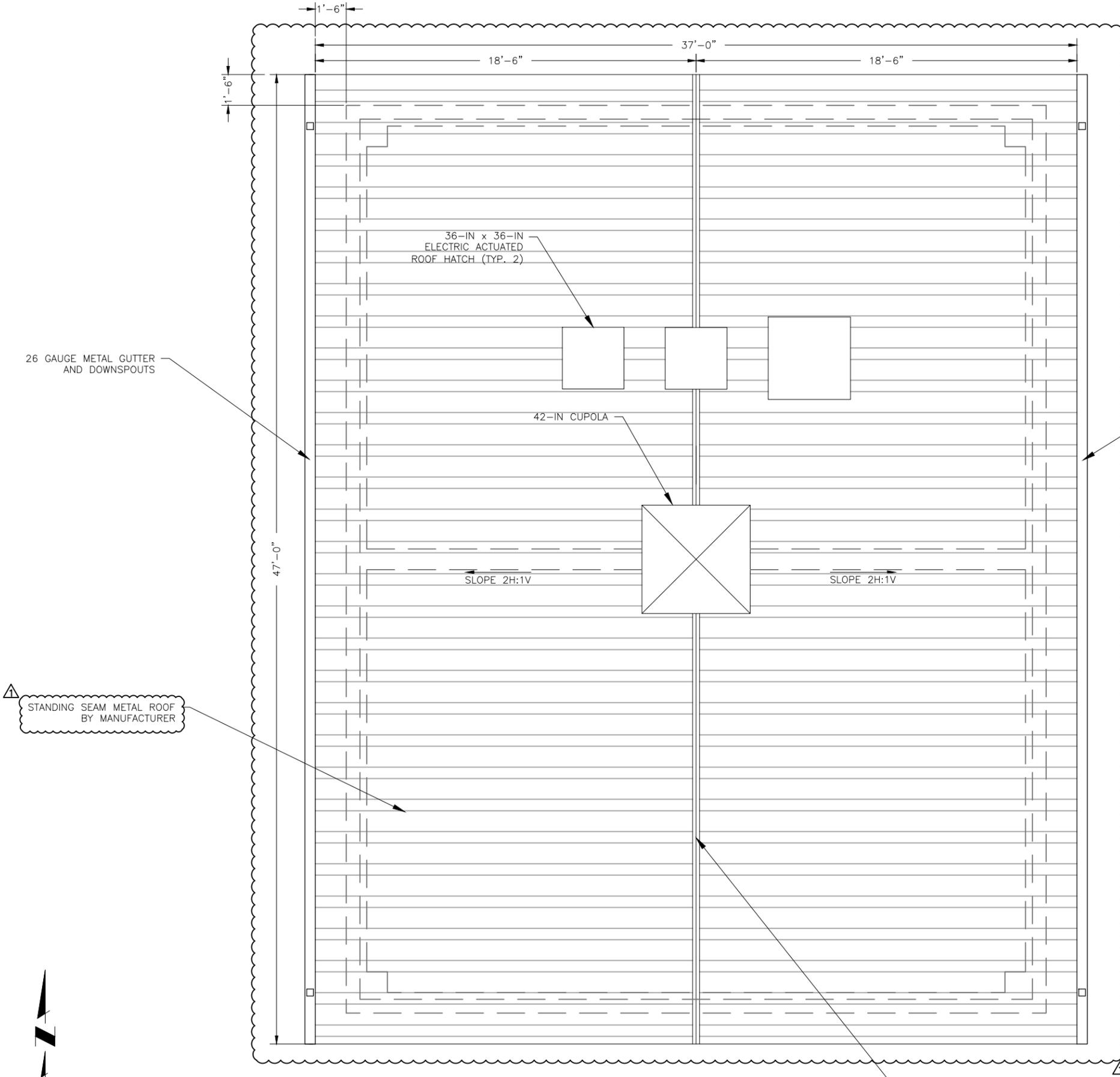
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Project No.: W224.21029
Date: 01/09/23
Design: MLD
Drawn: AMY
Check: MLD

A1
SHEET 28 OF 51

N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\06_Architectural\224029_Arch.dwg

2023/02/20 2:07 PM By: Shelby Heule



ARCHITECTURAL ROOF PLAN
SCALE: 3/16"=1'-0"

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

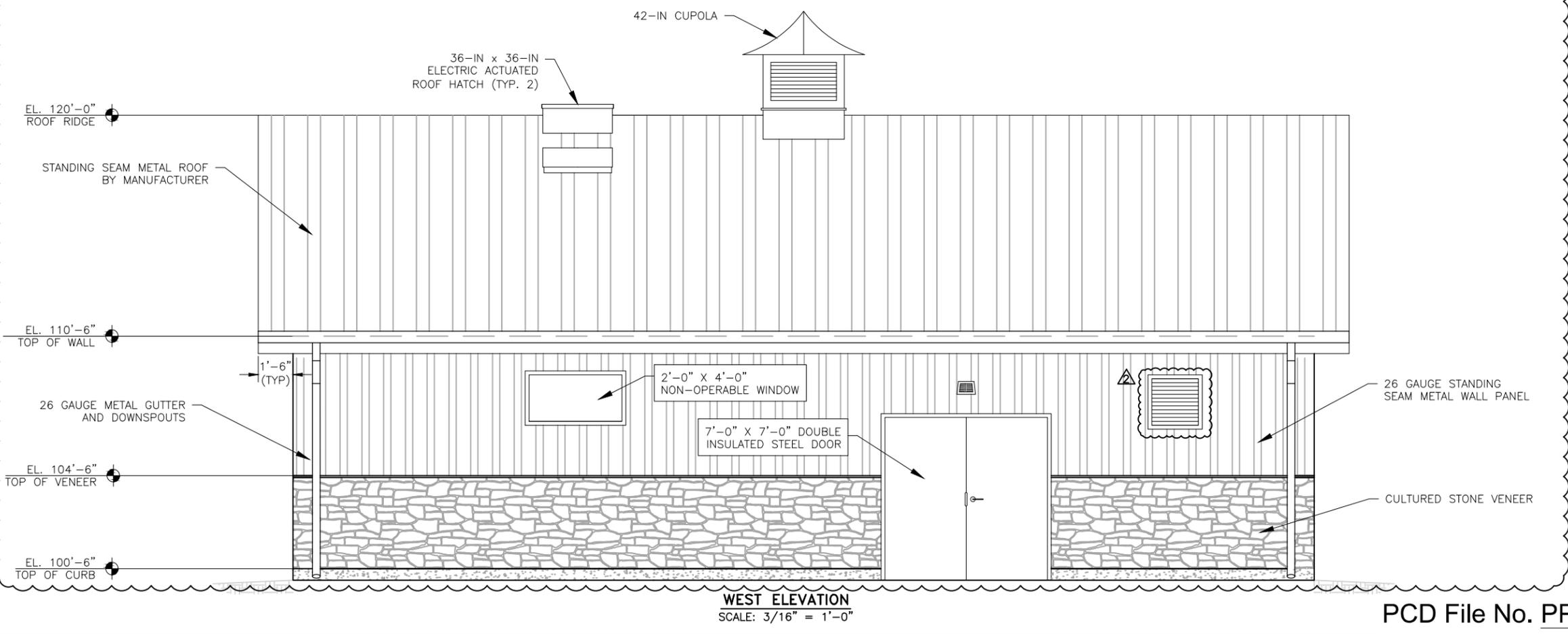
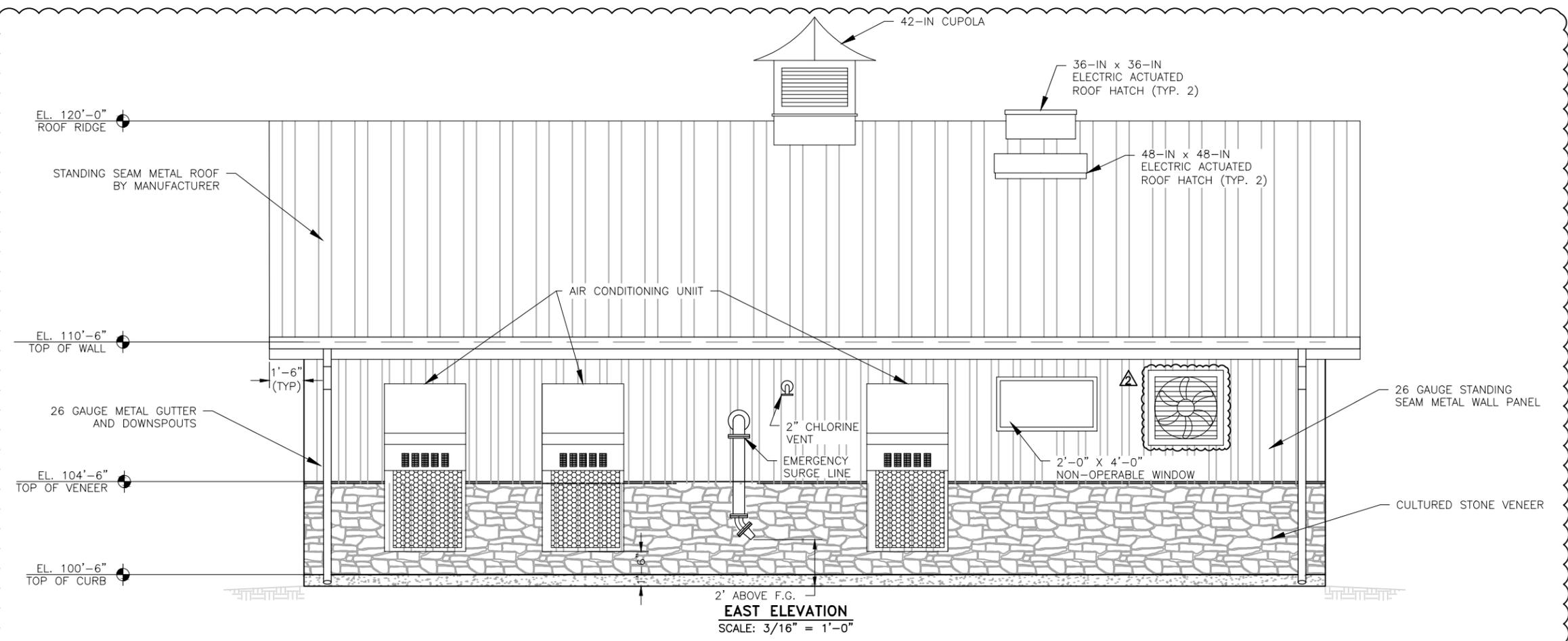
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS ARE THE CONTRACTOR'S RESPONSIBILITY. RESPEC ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
ARCHITECTURAL ROOF PLAN

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	UPDATE	CGM	10/31/22
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1041 PRELIM

Project No.: W224.21029
 Date: 01/09/23
 Design: MLD
 Drawn: AMY
 Check: MLD



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 COLORADO SPRINGS, COLORADO 80919
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TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
 EAST & WEST BUILDING ELEVATIONS

NO.	DESCRIPTION	BY		DATE	
		APP.	MLD	DATE	DATE
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2	UPDATE	SNH	MLD	02/03/23	
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1041 PRELIM

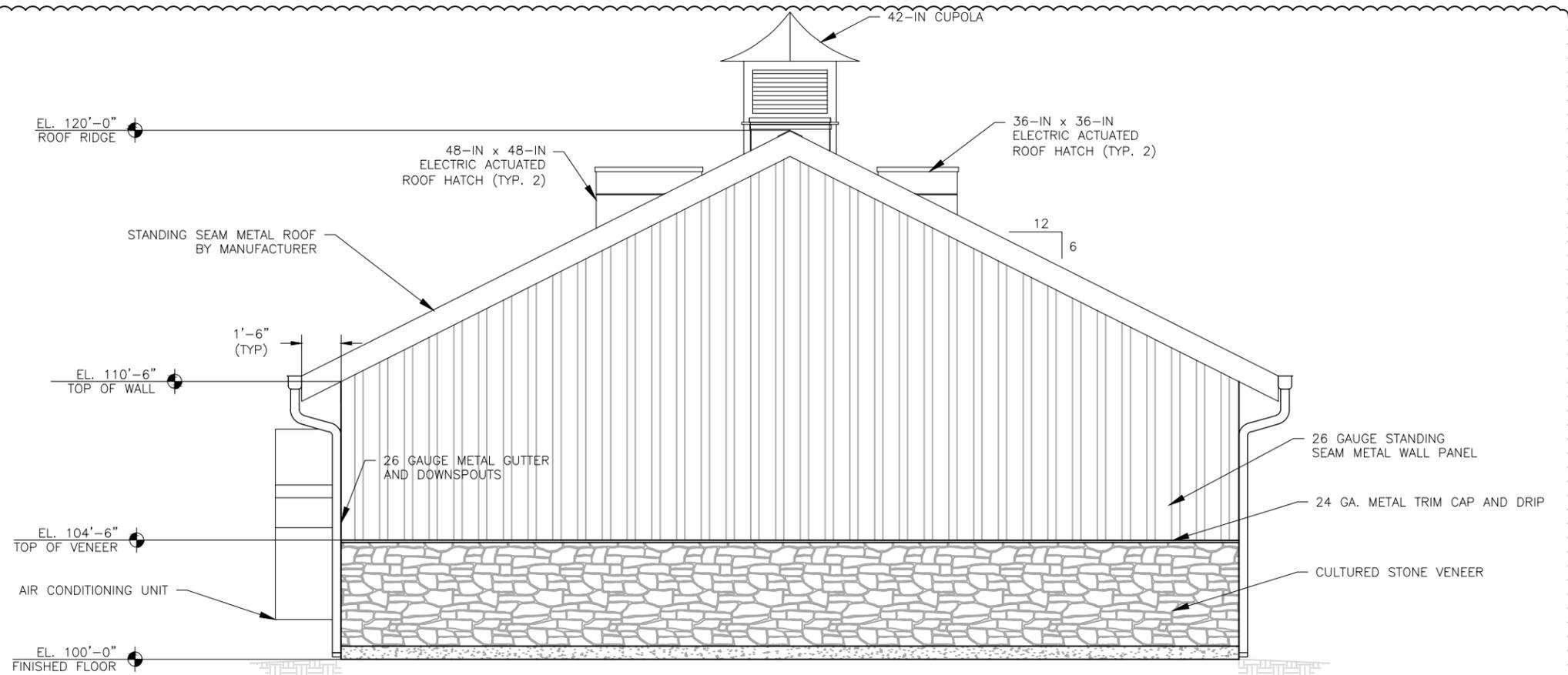
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 Date: 01/09/23
 Design: MLD
 Drawn: AMY
 Check: MLD

PCD File No. PPR-22-62

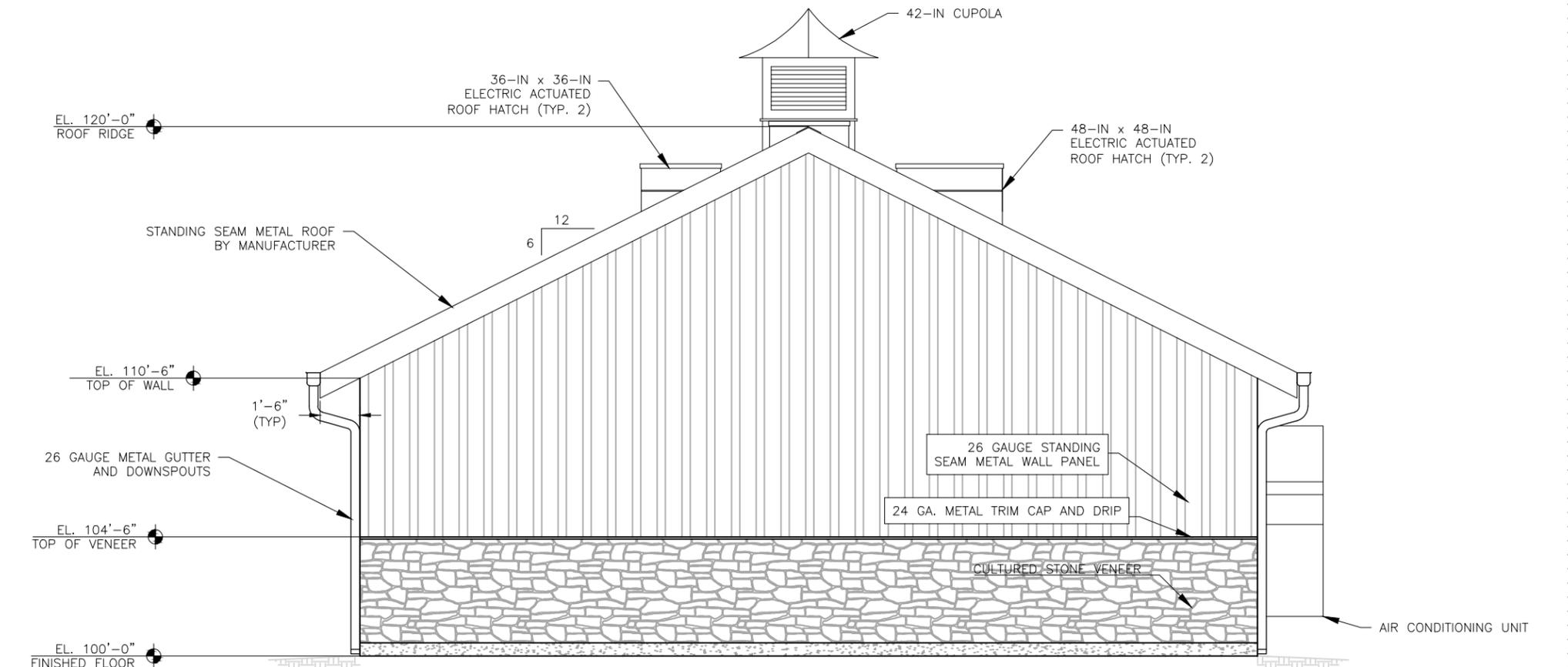
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 SHEET 30 OF 51

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NORTH ELEVATION
SCALE: 3/16" = 1'0"



SOUTH ELEVATION
SCALE: 3/16" = 1'0"

JDS-HYDRO a Division of **RESPEC**
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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
NORTH & SOUTH BUILDING ELEVATIONS

NO.	DESCRIPTION	BY		DATE	
		APP.	MLD	APP.	MLD
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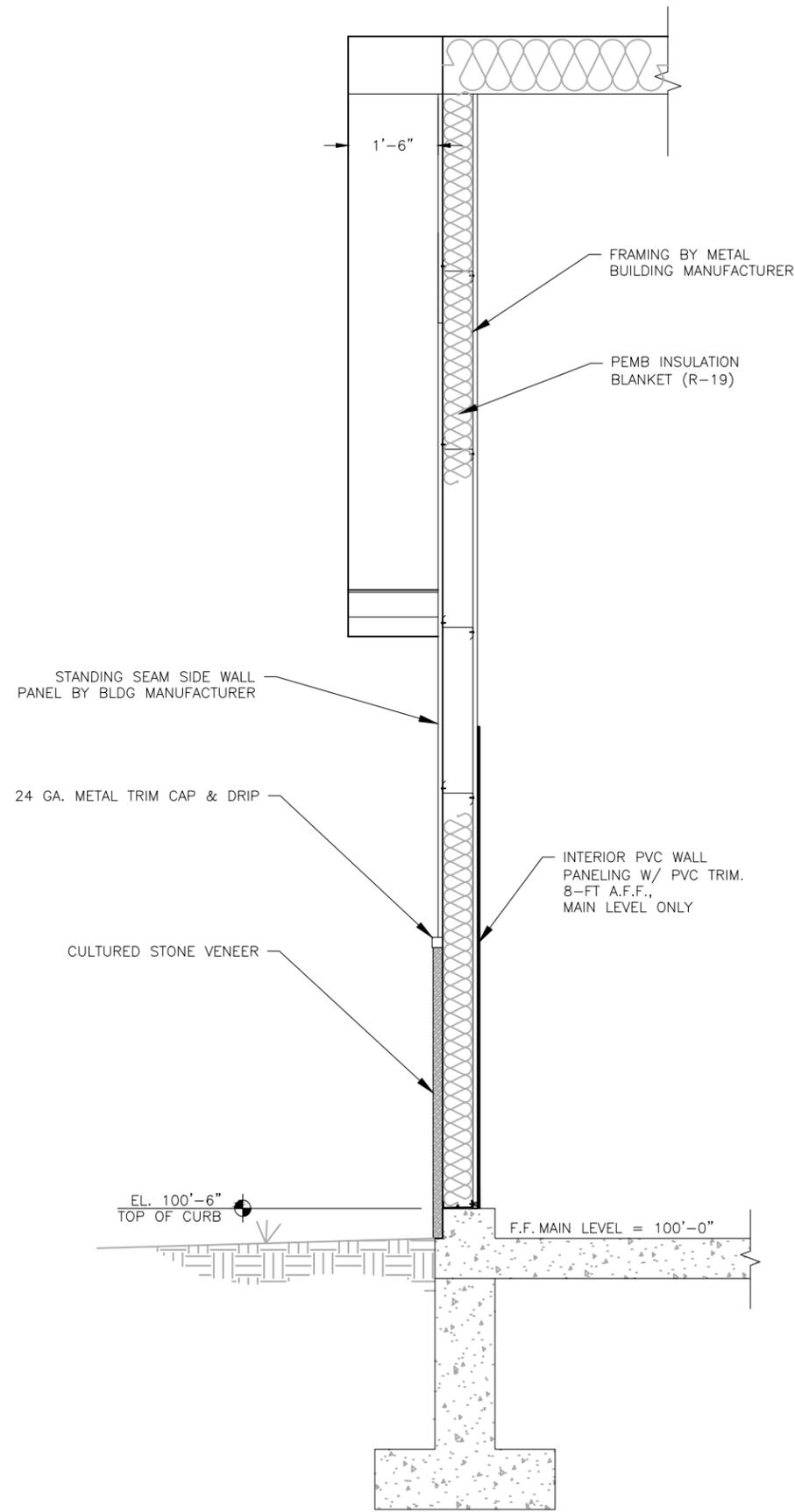
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Project No.: W224.21029
Date: 01/09/23
Design: MLD
Drawn: AMY
Check: MLD

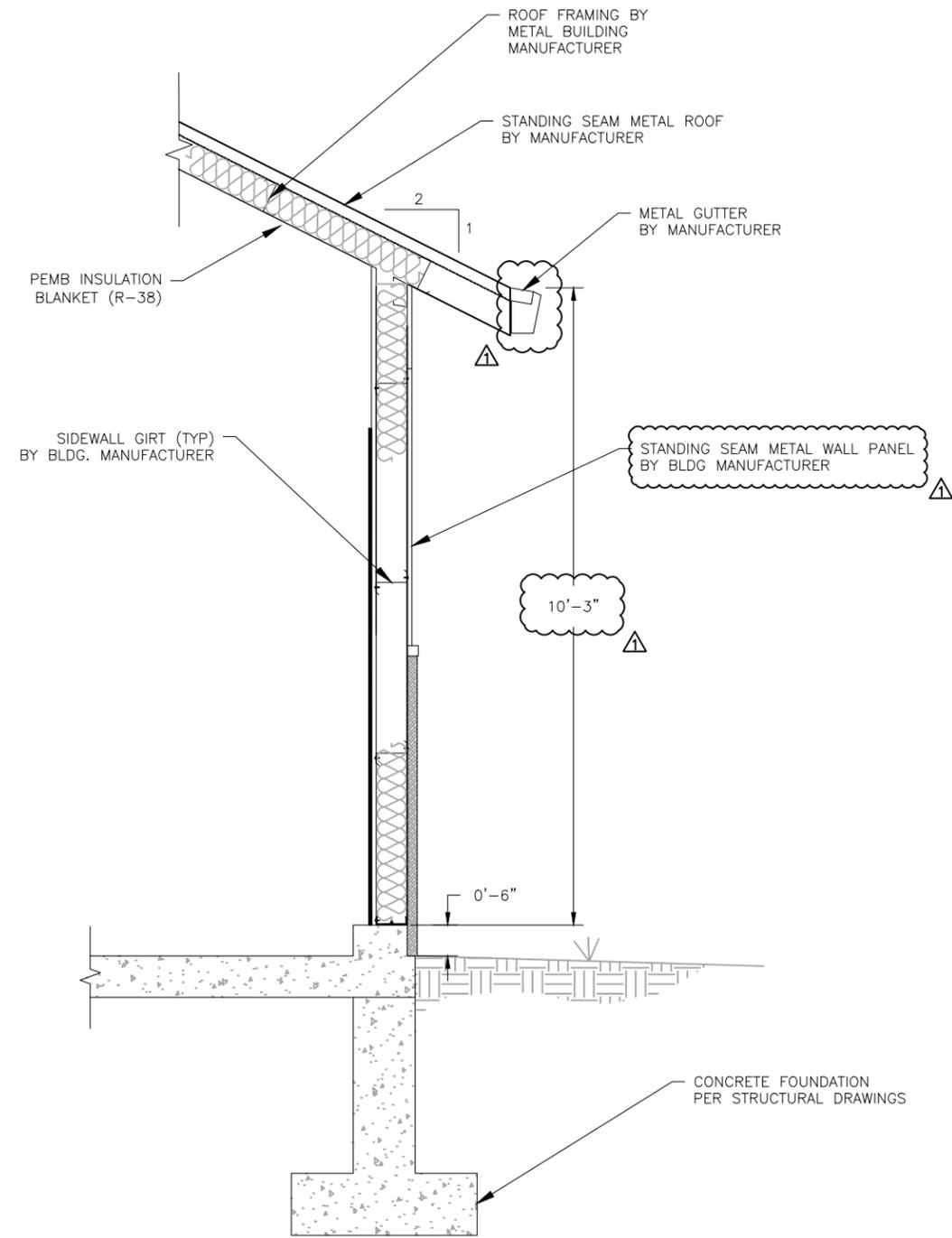
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SHEET 31 OF 51

PCD File No. PPR-22-62

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A
A5 BUILDING SECTION
SCALE: N.T.S.



B
A5 BUILDING SECTION
SCALE: N.T.S.

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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
ARCHITECTURAL SECTIONS

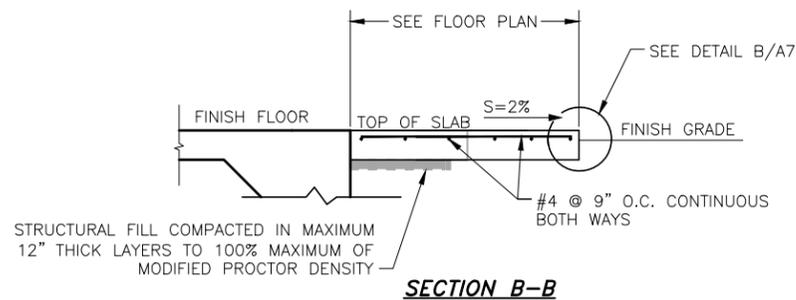
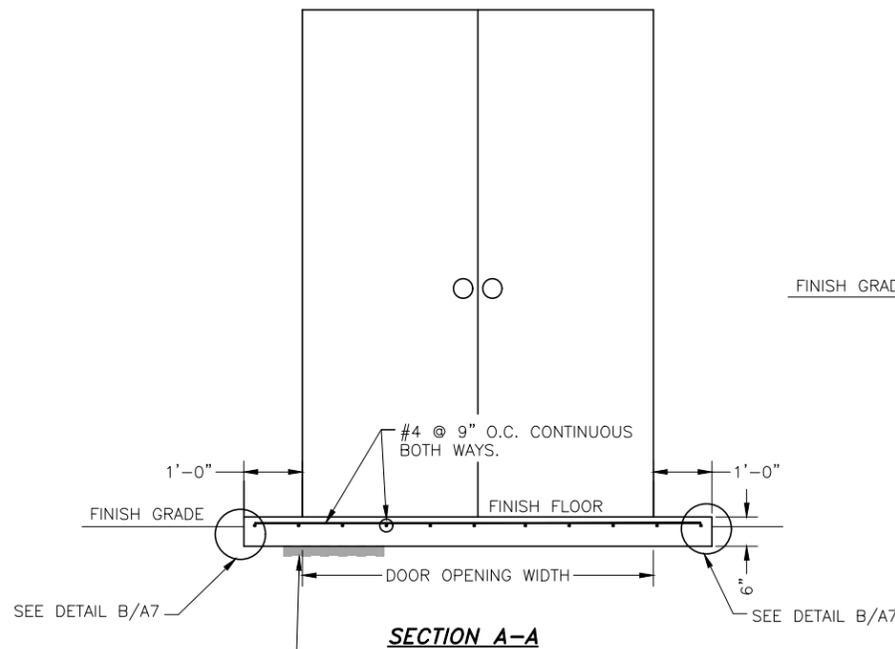
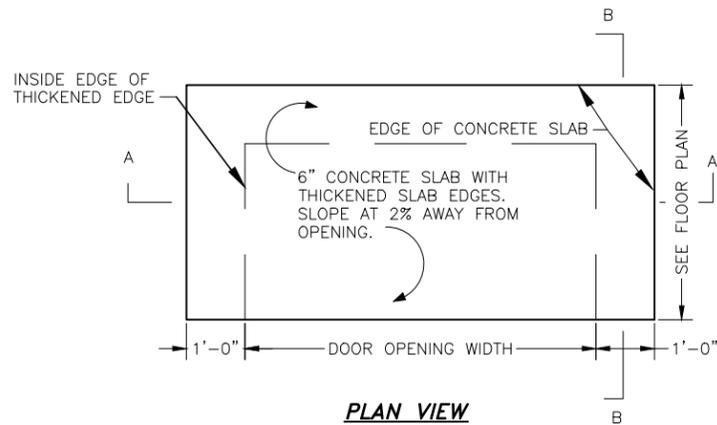
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1041 PRELIM

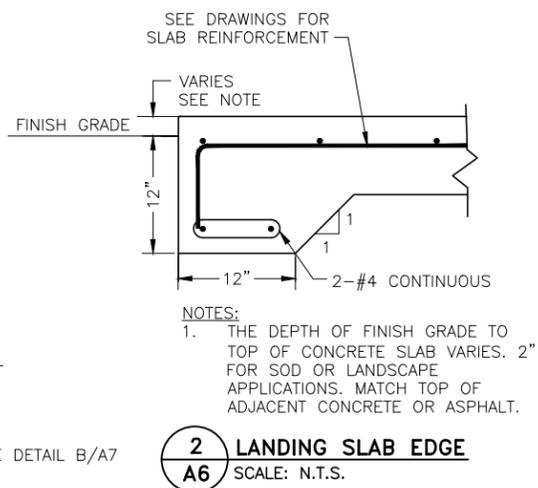
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Date: 01/09/23
Design: MLD
Drawn: AMY
Check: MLD

A5

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1
A6 **DOORWAY LANDINGS AS SHOWN ON ARCHITECTURAL SHEETS**
SCALE: N.T.S.

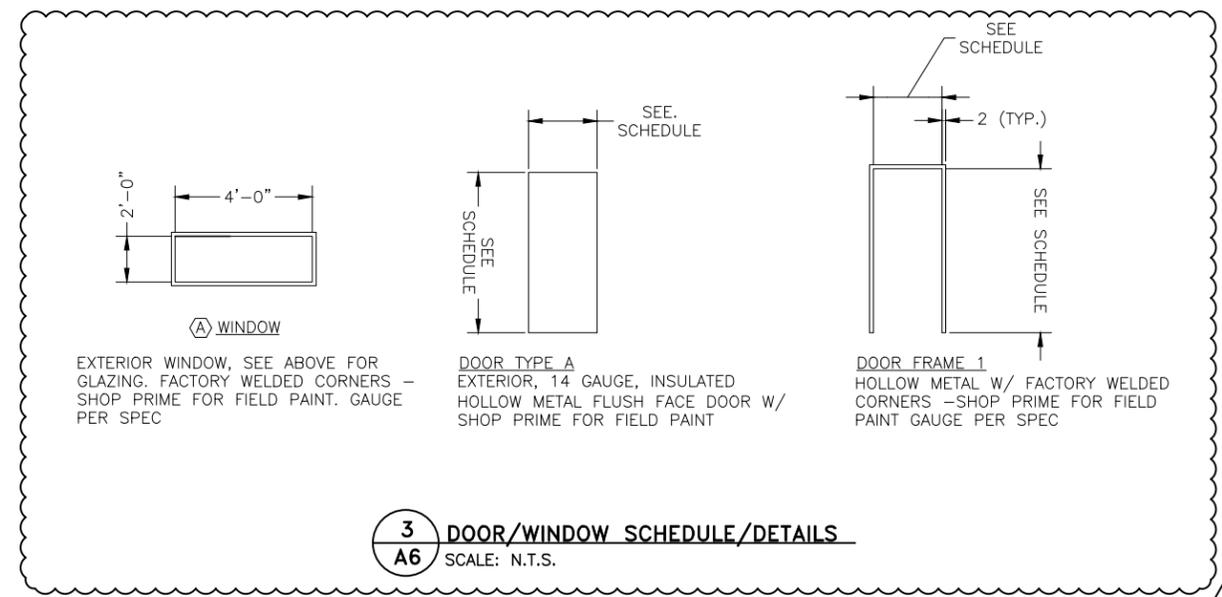


PLAN MARK	SIZE (Width x Height)	DOOR			FRAME			*GLAZING TYPE	REMARKS
		TYPE	MAT'L.	FINISH	TYPE	MAT'L.	FINISH		
100A	7'-0" x 7'-0"	A	H.M.	PAINT	1	H.M.	PAINT		<ul style="list-style-type: none"> DOUBLE DOOR PANIC HARDWARE EXTERIOR INSULATED WITH MAX FACTOR = 0.34
A	2'-0" x 4'-0"				SEE BELOW	H.M.	PAINT	A	<ul style="list-style-type: none"> FIXED, MOUNT 6'-10" A.F.F. PRODUCT TO BE EVALUATED IN ACCORDANCE WITH NRFC, MAX U FACTOR = 0.25, SHGC = 0.27

*GLAZING LEGEND	
A	INSULATED, LAMINATED, LOW-E

FINISH LEGEND	
LABEL	FINISH
P-1	PAINT - FIELD - EGGSHELL

- NOTES:**
- OWNER TO SELECT ALL PAINT COLORS. SEE SPECIFICATIONS FOR FINISHES. VERIFY COLORS WITH OWNER PRIOR TO FABRICATION.
 - ALL FINISH PATTERNS SHALL BE DETERMINED IN FIELD WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
 - OWNER TO SELECT DOOR HARDWARE FINISH COLOR.
 - OWNER TO SELECT PAINT COLOR FOR ALL PAINTED SURFACES INCLUDING DOORS, TRIM, AND EXTERIOR MATERIALS.
 - ALL EXPOSED CONCRETE FLOOR SURFACES SHALL BE COATED WITH CLEAR WATERPROOFING PER SPECIFICATIONS.
 - ALL INTERIOR DOOR AND FRAME PAINT TO MATCH EXTERIOR TRIM PAINT.
 - ALL INTERIOR ROOMS/AREAS TO RECEIVE FIELD PAINT P-1 ON SURFACES WHERE APPLICABLE. OWNER TO APPROVE COLOR SAMPLE PRIOR TO PAINTING.



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
ARCHITECTURAL DETAILS

NO.	DESCRIPTION	BY		DATE	
		APP.	DATE	APP.	DATE
1	UPDATE	GCM	MLD	10/31/22	
2					
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1041 PRELIM

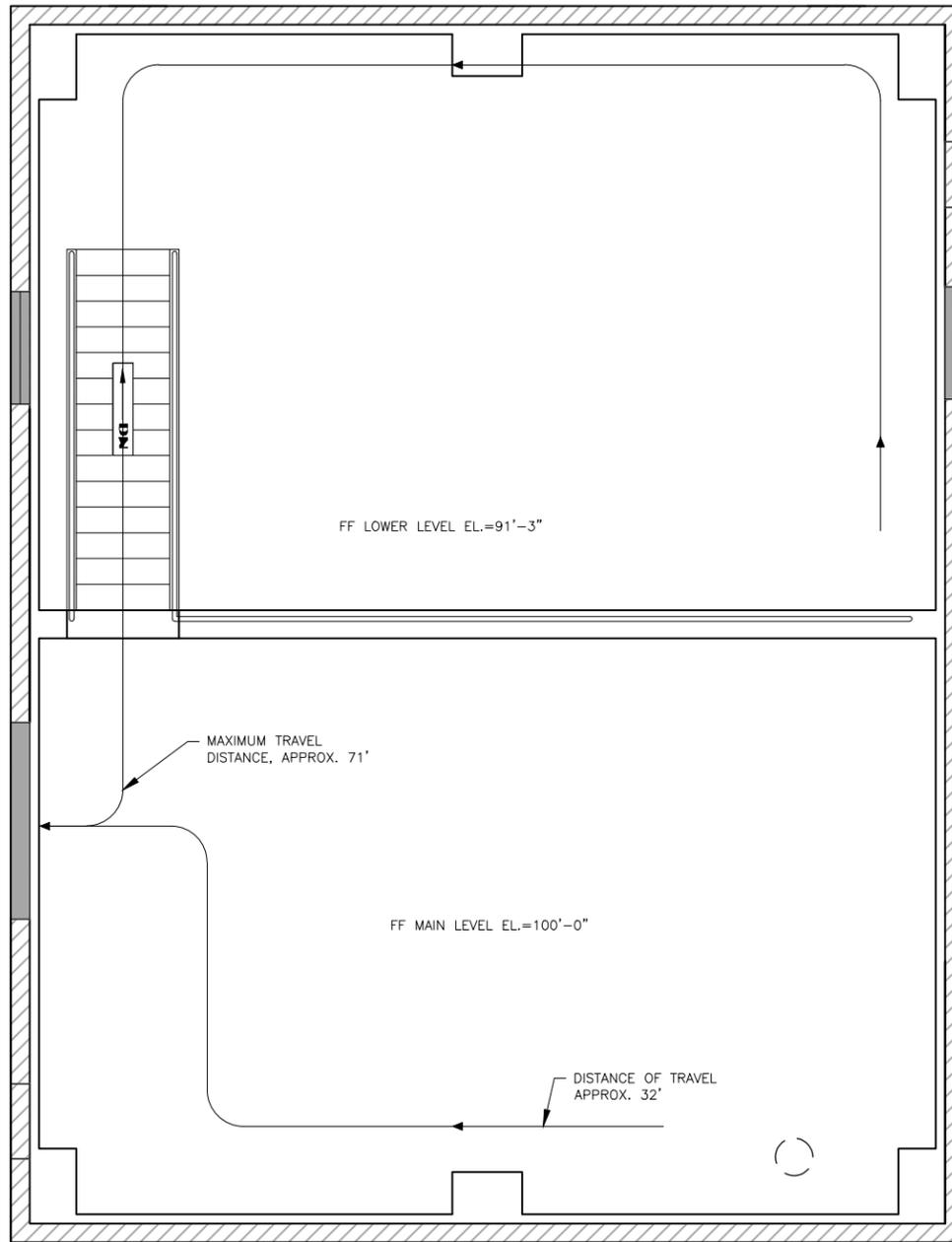
Project No.: W224.21029
 Date: 01/09/23
 Design: MLD
 Drawn: AMY
 Check: MLD

A6
 SHEET 33 OF 51

LIFE SAFETY PLAN CONFIRMATION:

- OCCUPANCY TYPE: UTILITY (U)
- CONSTRUCTION TYPE: II-B
- NON-SEPARATED OCCUPANCY
- OCCUPANCY LOADING 1496 SF/100 = 14.96
- ALLOWABLE AREA CALCULATION:
 - A_a = A_t + (NS x I_f)
 - A_a = 8,500 + (8,500 x 0)
 - A_a = 8,500 sf
- INCIDENTAL USE AREAS: NONE
- EGRESS WIDTH REQUIREMENT
 - REQUIRED: O.C. LOAD x 0.3" = 4.5"
 - PROVIDED: STAIRS = 40"
 - EGRESS: 84"
- MAXIMUM TRAVEL DISTANCE = 71' ±
- MAXIMUM COMMON PATH OF TRAVEL = 32' ±
- BUILDING IS NOT SPRINKLERED
- ITEMS NOT APPLICABLE:
 - FIRE WALLS
 - FIRE/SMOKE BARRIERS
 - FIRE/SMOKE PARTITIONS
 - RATED ASSEMBLIES

NOTE:
FACILITY IS UNMANNED AND WILL BE PERIODICALLY ACCESSED ONLY BY OPERATIONS STAFF



ARCHITECTURAL LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"

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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
LIFE SAFETY PLAN

NO.	DESCRIPTION	BY		APP.		DATE
		CGM	MLD	CGM	MLD	
1	UPDATE					10/31/22
2						
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1041 PRELIM

Project No.: W224.21029
Date: 01/09/23
Design: MLD
Drawn: GGM
Check: MLD

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2023/02/20 2:10 PM By: Snelby Heule NS-Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2 Drawings\Working\Segment A - Pump Station\07_Electrical\22429_Electrical.dwg

ABBREVIATIONS		DPDT	DOUBLE POLE DOUBLE THROW	LC	LIGHTING CONTACTOR	RLHT	RAIN LEADER HEAT TACE
(D)	DEMOLISH	DPF	DISTRIBUTION PANELBOARD, FUSED BRANCHES	LED	LIGHT EMITTING DIODE	RM	ROOM
(E)	EXISTING	DR	AUTOMATIC DOOR OPERATOR	LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT	RMC	RIGID METAL CONDUIT (HOT-DIPPED GALVANIZED)
(N)	NEW	DWG	DRAWING	LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT	RMS	ROOT MEAN SQUARED
(RN)	REPLACE EXISTING WITH NEW	E	EAST	LS	LIFE-SAFETY BRANCH (HEALTHCARE FACILITY)	ROW	RIGHT OF WAY
(S)	SALVAGE	EBJ	EQUIPMENT BONDING JUMPER	LSW	LIMIT SWITCH	RRHT	RAIN LEADER RELIEF HEAT TRACE
#	NUMBER	ECN	EXTRA CAPACITY NEUT (200%)	LTG	LIGHTING	S	SOUTH
+C	ABOVE COUNTER	EF	ELECTRONIC FLUSH/FAUCET	LV	LOW VOLTAGE	SCCR	SHORT CIRCUIT CURRENT RATING
+XX	DIMENSIONED HEIGHT XX INCHES AFF	EGB	EQUIPMENT GROUND BUS	MAN	MANUAL	SCP	SECURITY SYSTEM CONTROL PANEL
A	AMPERES	EGC	EQUIPMENT GROUNDING CONDUCTOR	MAX	MAXIMUM	SD	FIRE/SMOKE DAMPER
AC	ALTERNATING CURRENT	EL	SWITCHED EMERGENCY LIGHT	MC	METAL-CLAD	SEC	SECONDARY
ADA	AMERICANS WITH DISABILITY ACT	EM	EMERGENCY	MCB	MAIN CIRCUIT BREAKER	SEP	SECURITY SYSTEM PANEL
AF	AMP FRAME	EMT	ELECTRICAL METALLIC TUBING	MCC	MOTOR CONTROL CENTER	SFB	SUB-FEED CB
AFB	ABOVE FINISHED FLOOR	ENT	ELECTRICAL NONMETALLIC TUBING	MCP	MOTOR CIRCUIT PROTECTOR	SFL	SUB-FEED DOUBLE LUGS
AFG	ABOVE FINISH GRADE	EOL	END OF LINE	MDH	MAGNETIC DOOR HOLDERS	SHT	SHEET (REFER TO DRAWING)
AIC	AMPS INTERRUPTING CAPACITY	EQ	EQUIPMENT BRANCH (HEALTHCARE FACILITY)	MECH	MECHANICAL	SLC	SIGNALING LINE CIRCUIT (FA INITIATING)
AL	ALUMINUM	ER	EMERGENCY RELAY (EM LIGHTING POWER TRANSFER)	MED	MEDIUM	SN	SOLID NEUTRAL
AMP	AMPERES	EST	ESTIMATED	MEZ	MEZZANINE	SPD	SURGE PROTECTION DEVICE
APPX	APPROXIMATE	FA	FIRE ALARM	MH	MANHOLE	SPDT	SINGLE POLE DOUBLE THROW
ARCH	ARCHITECTURAL	FAA	FIRE ALARM SYSTEM ANNUNCIATOR	MHD	METAL HALIDE	SPEC	SPECIFICATION
ASC	ABOVE SUSPENDED CEILING	FAFU	FIRE ALARM CONTROL UNIT	MIN	MINIMUM	SPST	SINGLE POLE SINGLE THROW
AT	AMP TRIP	FAIC	FIRE ALARM INTERFACE CABINET	MISC	MISCELLANEOUS	SR	SERIES RATED
ATS	AUTOMATIC TRANSFER SWITCH	FARA	FIRE ALARM REMOTE ANNUNCIATOR	MLO	MAIN LUGS ONLY	SS	STAINLESS STEEL, SOFT-START
AUX	AUXILIARY	FDN	FOUNDATION	MRCT	MULTI-RATIO CURRENT TRANSFORMER	SSBJ	SUPPLY-SIDE BONDING JUMPER
BCU	BARE COPPER WIRE	FG	FINISH GRADE	MTD	MOUNTED	STBY	STAND-BY
BFG	BELOW FINISHED GRADE	FLA	FULL LOAD AMPS	MTS	MANUAL TRANSFER SWITCH	STP	SHIELDED TWISTED PAIR
BLDG	BUILDING	FMC	FLEXIBLE METAL CONDUIT	MV	MEDIUM-VOLTAGE	SVD	SERVICE DISCONNECT
BPB	BRANCH-CIRCUIT PANELBOARD, CB BRANCHES	FO	FIBER OPTIC	N	NEUTRAL, NORTH	SW	SWITCH
BPF	BRANCH-CIRCUIT PANELBOARD, FUSED BRANCHES	FR	FULLY RATED	NAC	NOTIFICATION APPLIANCE CIRCUIT (FIRE ALARM)	SWBD	SWITCHBOARD
BSMT	BASEMENT	FRC	FIBERGLASS RIGID CONDUIT	NC	NORMALLY CLOSED	SWD	SWITCHED
C	CONDUIT	FTL	FEED-THRU LUGS	NCA	NURSE CALL SYSTEM ANNUNCIATOR	SWGR	SWITCHGEAR
C/L	CENTERLINE	FU	FUSE	NCP	NURSE CALL SYSTEM CONTROL PANEL	SWN	SWITCHED NEUTRAL
CAM	CAMERA	GALV	GALVANIZED	NEC	NATIONAL ELECTRICAL CODE; NFPA 70	TBB	TELECOMMUNICATIONS BONDING BACKBONE CABLE
CAT	CATEGORY	GC	GENERAL CONTRACTOR	NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION	TEBB	TELECOMMUNICATIONS BACKBOARD
CATV	CABLE TELEVISION	GEC	GROUNDING ELECTRODE CONDUCTOR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	TEL	TELEPHONE
CB	CIRCUIT BREAKER	GFCI	GROUND-FAULT CIRCUIT INTERRUPTER (5mA)	NESC	NATIONAL ELECTRICAL SAFETY CODE	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
CCTV	CLOSED CIRCUIT TELEVISION	GFPF	GROUND-FAULT PROTECTION OF EQUIPMENT (30mA)	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
CFOI	CONTRACTOR FURNISH OWNER INSTALL	GND	GROUND OR GROUNDED	NIC	NOT IN CONTRACT	TS	TERMINAL STRIP (DIN RAIL, ETC.)
CIRC	CIRCULATING	GRC	GALVANIZED RIGID STEEL CONDUIT (HOT-DIPPED)	NL	NIGHT LIGHT	TUP	TRIP UNIT POWER SUPPLY
CKT	CIRCUIT	HBH	HEADBOLT HEATER	NO	NORMALLY OPEN	TYP	TYPICAL
CL	CLASS	HDPE	HIGH-DENSITY POLYETHYLENE	NU	NURSE CALL	UG	UNDERGROUND
CLG	CEILING	HH	HANDHOLE	OC	ON CENTER	UL	UNDERWRITERS' LABORATORIES
CNDR	CONDUCTOR	HID	HIGH INTENSITY DISCHARGE (LAMP)	OD	OUTSIDE DIAMETER	UON	UNLESS OTHERWISE NOTED
CO	CARBON MONOXIDE	HPS	HIGH PRESSURE SODIUM	OFCI	OWNER FURNISHED CONTRACTOR INSTALL	UPS	UNINTERRUPTIBLE POWER SUPPLY
COAX	COAXIAL CABLE	HT	HEAT TRACE	OFOI	OWNER FURNISHED OWNER INSTALL	USWD	UNSWITCHED CIRCUIT
COL	COLUMN	HV	HIGH VOLTAGE	P	POLE	UTP	UNSHIELDED TWISTED PAIR
CR	CRITICAL BRANCH (HEALTHCARE FACILITY)	IBC	INTERNATIONAL BUILDING CODE	PA	PUBLIC ADDRESS	V	VOLTS
CT	CURRENT TRANSFORMER	IBT	INTERSYSTEM BONDING TERMINATION	PAP	PUBLIC ADDRESS SYSTEM PANEL	VA	VOLT AMPERES
CTRL	CONTROL	ID	INSIDE DIAMETER	PC	PHOTOELECTRIC CONTROL/SWITCH	VAR	VOLT-AMPS REACTIVE
CU	COPPER	IDC	INITIATING DEVICE CIRCUIT	PCP	PUBLIC ADDRESS SYSTEM CONTROL PANEL	VEST	VESTIBULE
DC	DIRECT CURRENT	IES	ILLUMINATING ENGINEERING SOCIETY	PF	POWER FACTOR	VFD	VARIABLE FREQUENCY DRIVE
DEGC	DEGREES CELSIUS	IFC	INTERNATIONAL FIRE CODE	PH	PHASE	W	WATT, WEST or WIRE
DEGF	DEGREES FAHRENHEIT	IG	ISOLATED GROUND	PNL	PANEL(BOARD)	W/	WITH
DG	DIESEL GENERATOR	IGB	ISOLATED GROUND BUS	PR	PAIR	W/O	WITHOUT
DIA	DIAMETER	IGC	ISOLATED GROUND CONDUCTOR	PRI	PRIMARY	WH	WATTHOUR
DIM	DIMENSION	IMC	INTERMEDIATE METALLIC CONDUIT	PS	PRESSURE SWITCH	WP	WEATHERPROOF
DISC	DISCONNECT	INCND	INCANDESCENT	PT	POTENTIAL TRANSFORMER	XC	AUXILIARY CONTACT
DIST	DISTRIBUTION	JB	JUNCTION BOX	PVC	POLYVINYL CHLORIDE CONDUIT	XFER	TRANSFER
DIV	DIVERSITY	JCN	JACKETED CONCENTRIC NEUTRAL (CABLE)	RCPT	RECEPTACLE	XFMR	TRANSFORMER
DIV	DIVISION	KO	KNOCKOUT	RDHT	ROOF DRAIN HEAT TRACE	XP	EXPLOSION PROOF
DP	DISTRIBUTION PANELBOARD	KVA	KILOVOLT AMPERES	REQD	REQUIRED	xPyT	x POLE y THROW (x and y indicate quantity)
DPB	DISTRIBUTION PANELBOARD, CB BRANCHES	L	LINE	REV	REVISION, REVERSE		NOT ALL ABBREVIATIONS ARE USED

SYMBOLS	
	LED LUMINAIRE, 1'x4', UON
	LED STRIP FIXTURE, INDUSTRIAL, 4', UON.
	EXTERIOR BUILDING LIGHT, WALL MTD.
	WALL MOUNTED EXIT FIXTURE, ARROW AS INDICATED, TYPE E
	CEILING MOUNTED EXIT FIXTURE, TYPE E
	WALL MOUNTED, BATTERY OPERATED EMERGENCY FIXTURE, TYPE EM
	EMERGENCY EGRESS LIGHT
	POLE MOUNTED FIXTURE
	OCCUPANCY SENSOR, TYPE A COVERAGE; OSB, OSC, OSD FOR B, C, D
	OCCUPANCY SENSOR WALL SWITCH
	SINGLE POLE SWITCH
	DOUBLE POLE SWITCH
	THREEWAY SWITCH
	4 - WAY SWITCH
	SWITCH FOR FIXTURES MARKED "a"
	DIMMER SWITCH
	GLOW IN OFF POSITION SWITCH
	KEYED SWITCH
	PILOT LIGHT SWITCH
	MOTOR-STARTING SWITCH, WITHOUT OVERLOAD PROTECTION
	MOTOR-STARTING SWITCH (for misc designation; HT, DDC, etc)
	SWITCH (for misc designation; S3a, S3b, etc)
	PUSHBUTTON SWITCH
	EMERGENCY STOP SWITCH
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX RECEPTACLE
	GFCI DOUBLE DUPLEX RECEPTACLE (TWO EACH GFCI RECEPTACLES)
	DUPLEX RECEPTACLE W/ ISOLATED GROUND
	SWITCHED RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE; Nemo Type As Shown
	JUNCTION BOX
	MOTOR
	MANUAL CONTROLLER, WITH OVERLOAD PROTECTION
	MAGNETIC MOTOR STARTER OR VFD AS NOTED
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT
	DISCONNECT SWITCH NON-FUSED
	DISCONNECT SWITCH FUSED
	ENCLOSED CIRCUIT BREAKER
	MAGNETIC CONTACTOR
	METER SOCKET
	PANELBOARD
	MISC PANEL
	BRANCH CIRCUIT HOME RUN TO PANELBOARD; NO. OF ARROWS INDICATES NUMBER OF CIRCUITS, PANEL AND CIRCUIT NUMBERS AS SHOWN
	NUMBER OF CONDUCTORS IN RACEWAY; ABSENCE OF MARKS INDICATES TWO CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTOR, EGC IN ALL RACEWAYS. EQUIPMENT GROUNDING CONDUCTOR INDICATED.
	THERMOSTAT
	TELECOMMUNICATIONS OUTLET [TELEPHONE OUTLET]
	TELECOMMUNICATIONS OUTLET FLOOR BOX [TELEPHONE OUTLET]
	TELECOMMUNICATIONS OUTLET
	TELECOM. OUTLET (see Telecommunication Faceplate Schedule)
	COMPUTER OUTLET (NUMBER OF JACKS INDICATED, TYPE RJ-45)
	2 TELEPHONE & 2 COMPUTER JACKS, TYPE RJ-45
	GROUNDING ELECTRODE CONNECTION
	HARD-WIRED EQUIPMENT CONNECTION
	NOT ALL SYMBOLS ARE USED

NOTE: BRANCH CKT'S, 2, #12 W/ #12 GND, 1/2" C, UON.

BRANCH CIRCUIT CONDUCTOR SCHEDULE									
C.B. OR FUSE (AMPS)	MAX. LOAD (AMPS)	VOLTS / AWG / MAXIMUM ONE-WAY CIRCUIT LENGTH (FT.)							
		120 VOLTS				277 VOLTS			
		#12	#10	#8	#6	#12	#10	#8	#6
20	16	66	102	161	250	153	236	371	-
25	20	-	82	129	200	-	189	297	-
30	24	-	68	107	167	-	157	247	385
35	28	-	-	92	143	-	-	212	330
40	32	-	-	80	125	-	-	185	289
45	36	-	-	71	111	-	-	165	256
50	40	-	-	64	100	-	-	148	231
60	48	-	-	-	83	-	-	-	192

GENERAL ELECTRICAL NOTES

- COMPLY WITH NFPA 70, NATIONAL ELECTRICAL CODE 2020 EDITION; NECA 1, STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION; AND NATIONAL ELECTRICAL SAFETY CODE.
- ELECTRICAL COMPONENTS, DEVICES, ASSEMBLIES, AND ACCESSORIES ARE REQUIRED TO BE LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.
- DRAWINGS SHOW THE GENERAL LOCATIONS OF THE ELECTRICAL FEATURES ONLY, UNLESS OTHERWISE INDICATED. MAKE MINOR RELOCATIONS AS REQUIRED FOR PROJECT CONDITIONS WHEN NECESSARY TO PRESENT SYMMETRICAL APPEARANCE OR TO AVOID INTERFERENCE WITH OTHER INSTALLATIONS.
- NEUTRAL CONDUCTORS SHALL NOT BE SHARED BETWEEN BRANCH CIRCUITS, UNLESS OTHERWISE INDICATED.
- PROVIDE INSULATED EQUIPMENT GROUNDING CONDUCTORS WITH ALL FEEDERS AND BRANCH CIRCUITS. TERMINATE EACH END ON SUITABLE LUG, BUS OR BUSHING. SIZING EQUIPMENT GROUNDING CONDUCTORS IN ACCORDANCE WITH NEC, UNLESS OTHERWISE INDICATED, BUT NOT SMALLER THAN NO. 12 AWG.
- CONDUCTOR SIZES ARE BASED ON USE OF COPPER CONDUCTORS. WHERE ALLOWED IN SPECIFICATIONS, CONTRACTOR MAY SUBSTITUTE ALUMINUM CONDUCTOR FOR #4 AWG COPPER AND LARGER CONDUCTORS. ALUMINUM CONDUCTORS, WHERE USED, SHALL BE SIZED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS, INCLUDING ARTICLE 310 OF THE NEC. RACEWAYS FOR ALUMINUM CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 9, INFORMATIVE ANNEXES AND ALL OTHER APPLICABLE ARTICLES OF THE NEC.

JDS-HYDRO CONSULTANTS, INC.
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TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
SYMBOLS LEGEND & SCHEDULES

NO.	DESCRIPTION	REVISIONS		DATE
		BY	DATE	
1	UPDATE #1	JBS	MLD	10/12/22
2				
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1041 PRELIM

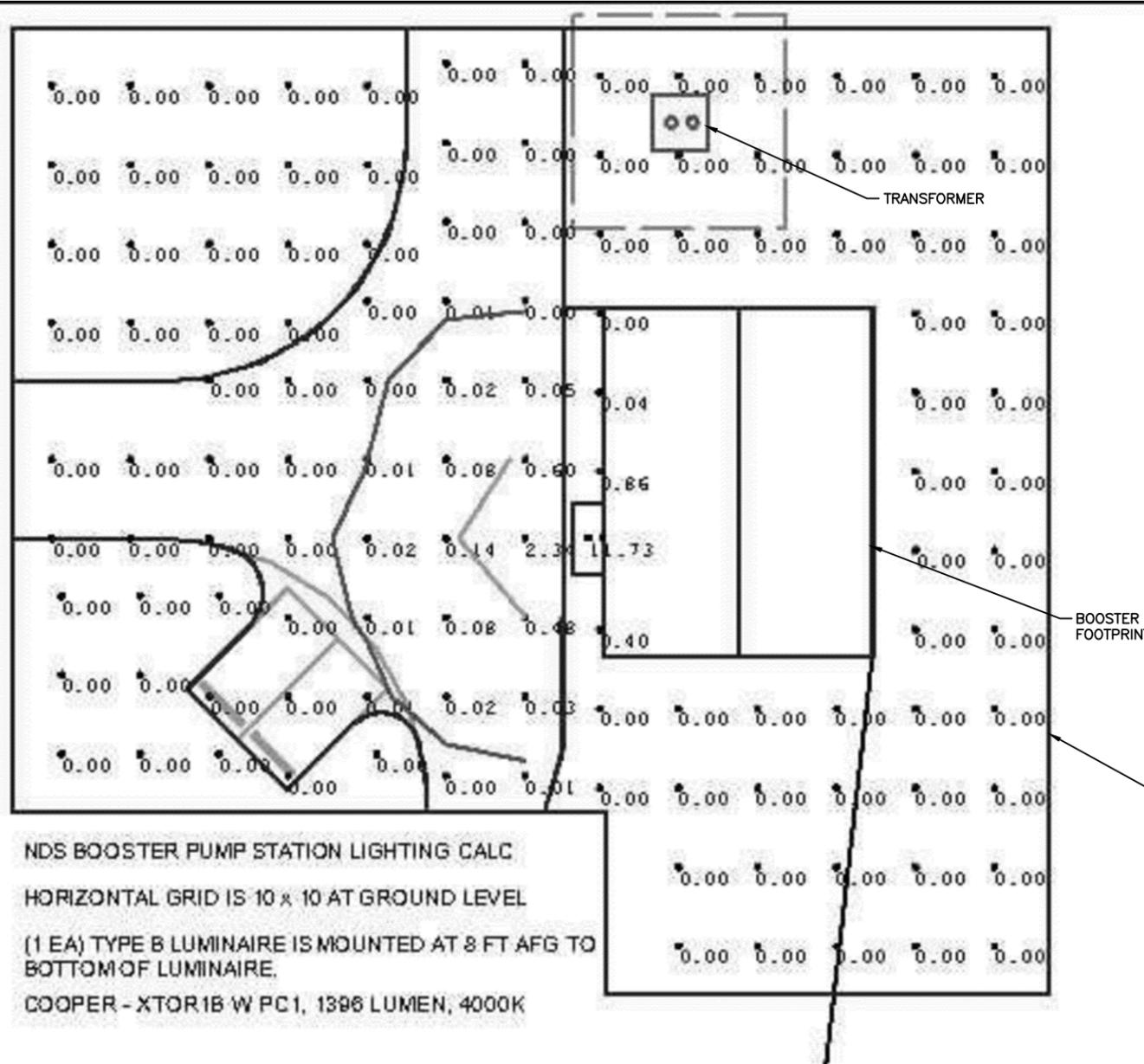
Project No.: W224.21029
 Date: 01/09/23
 Design: RCK
 Drawn: JBS
 Check: MLD



LEGAL DESCRIPTION:
EL PASO COUNTY
SEC 03-12-66

OWNER/APPLICANT NAME:
TRIVIEW METROPOLITAN DISTRICT
JIM MCGRADY
PHONE: (719) 488-6868
EMAIL:

PLAN PREPARER:
ROBERT D. POSMA, PE, ELECTRICAL ENGINEER
PHONE: (907) 743-3248
EMAIL: ROBERT.POSMA@RESPEC.COM



NDS BOOSTER PUMP STATION LIGHTING CALC
HORIZONTAL GRID IS 10 x 10 AT GROUND LEVEL
(1 EA) TYPE B LUMINAIRE IS MOUNTED AT 8 FT AFG TO
BOTTOM OF LUMINAIRE.
COOPER - XTOR1B W PC1, 1396 LUMEN, 4000K

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	LAMP	MANUF.	MOUNT.	CAT. NO.	VA	LUM.	COLOR (K)	
A	ONE-PIECE FIBERGLASS HOUSING, HIGH IMPACT RESISTANT, UV STABILIZED, CLEAR POLYCARBONATE DIFFUSER W/ CLOSED CELL GASKET, MEDIUM DISTRIBUTION, 10 kV SURGE SUPPRESSOR, WET LOCATION END FITTINGS, SUITABLE FOR HOSE DOWN, FURNISHED W/ PHOTOCONTROL. DIMMABLE DRIVER IS FACTORY PROVIDED BUT NOT REQUIRED FOR THIS APPLICATION. 120 V.	LED	LITHONIA	SURFACE CEILING	FHE L24 9000LM PCL MD MVOLT GZ10 50K 80 CRI SPD WLFEND2	59	9623	5000	
B	WALL PACK, FULL CUTOFF OPTICS, CAST ALUMINUM, WEATHER SEALED HOUSING, PROTECTIVE GLASS LENS W/ GASKET, INTEGRAL SURGE PROTECTION & PHOTO CONTROL, 120 V.	LED	COOPER	OUTDOOR SURFACE WALL	XTOR1B W PC1	12	1396	4000	
EG	EMERGENCY EGRESS LIGHT, SINGLE LAMP HEAD, DIE-CAST LAMP HEAD HOUSING, W/ SELF-CONTAINED BATTERY, UL WET LOCATION LISTED, DARK BRONZE, 120 V.	LED	LITHONIA	OUTDOOR SURFACE WALL	ELMRW LP220L DDBTXD SGL ELM2LLTP	1.2	110	N/A	
EM	EMERGENCY LIGHT W/ SELF-CONTAINED NI-CAD BATTERY & CHARGER, NEMA 4X, STAINLESS STEEL HARDWARE & FASTENERS, 15 W TWIN, ADJUSTABLE AIM, LAMP HEADS, MIN. 90 MIN. SERVICE ON SINGLE BATTERY CHARGE, ADVANCED DIAGNOSTICS, 120 V.	LED	EMERGI-LITE	SURFACE WALL	12HPN402L15D	30	NA	N/A	
EX	ILLUMINATED EXIT SIGN W/ FULLY GASKETED, HIGH IMPACT RESITANT, POLYCARBONATE FACEPLATE AND ALUMINUM HOUSING. 6-INCH HIGH, RED CHARACTERS, WATER PROOF, SELF-CONTAINED BATTERY BACKUP, 120 V	LED	EMERGI-LITE	SURFACE WALL OR CEILING	GG SVXNHZ 1 R D	2	N/A	N/A	

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TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM - BOOSTER PUMP STATION
ELECTRICAL LUMINAIRE PLAN

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
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4				
5				
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1041 PRELIM

Project No.: W224.21029
Date: 01/09/23
Design: MLD
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Check: MLD

2023/02/20 2:11 PM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\07_Electrical\22429_Electrical.dwg