

WIDEFIELD WATER AND SANITATION DISTRICT

ROLLING HILLS BOOSTER PUMP STATION

SITE DEVELOPMENT PLAN

EL PASO COUNTY, COLORADO

CODE STATEMENT

APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

I. CODE ABSTRACT (CONT.)

A. PIKES PEAK REGIONAL BUILDING CODE (2017)

B. INTERNATIONAL BUILDING CODE (2015)

C. INTERNATIONAL EXISTING BUILDING CODE (2015)

D. INTERNATIONAL ENERGY CONSERVATION CODE (2015)

E. INTERNATIONAL MECHANICAL CODE (2015)

F. INTERNATIONAL FUEL GAS CODE (2015)

G. INTERNATIONAL PLUMBING CODE (2018)

H. NATIONAL ELECTRICAL CODE (2020)

I. ICC/ANSI A117.1 ACCESSIBILITY STANDARD (2009)

II. CODE ABSTRACT:

A. SCOPE
THE PURPOSE OF THIS PROJECT IS TO UPSIZE THE EXISTING ROLLING HILLS BOOSTER PUMP STATION TO SUPPORT FUTURE DEVELOPMENT WITHIN THE WIDEFIELD WATER AND SANITATION DISTRICT. THE BUILDING WILL HOUSE A PUMPING SYSTEM, PIPING, ELECTRICAL AND CONTROLS EQUIPMENT. ASSOCIATED APPURTENANCES INCLUDE UNDERGROUND SERVICE PIPING.

B. GENERAL PROPERTY INFORMATION
-LOCATION: GRAYLING DR, COLORADO SPRINGS, CO 80925
-LEGAL DESCRIPTION: EL PASO COUNTY, SEC 13-15-65
-EPC PARCEL SCHED #: 5500000440
-ACREAGE: 11.96
-ZONING: PUD
-LAND USE: VACANT LOT
-OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC
-TAX STATUS: TAXABLE

C. BUILDING CONSTRUCTION
-TOTAL BUILDING AREA: 1,707 SF
-BUILDING HEIGHT: 19 FT 8 INCHES
-# OF LEVELS: 3

D. BUILDING CODE ANALYSIS
-CONSTRUCTION TYPE: II-B
-O.C. CLASSIFICATION: U
-USE: MUNICIPAL PUMP STATION
-ALLOWABLE AREA: 5,500 SF
-ALLOWABLE HEIGHT: 40 FT

E. EGRESS REQUIREMENTS
-OC. LOAD CALCULATION
TOTAL BUILDING: 1696 SF x 1/100=16.96
-TOTAL EXITS PROVIDED: 2
-EXITS REQUIRED: 2

F. SITE PARKING
-INDUSTRIAL: 1 PER 750 SF
REQ: 2
PROVIDED: 2
ADA: N/A

FOR REVIEW



VICINITY MAP
N.T.S.



PRE-EXCAVATION CHECKLIST	COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES																
<ul style="list-style-type: none"> <input type="checkbox"/> Gas and Other Utility Lines Shown on Construction Plans <input type="checkbox"/> Utility Notification Center of Colorado (UNCC)--Call at Least Two (2) Business Days Ahead--1-800-922-1987 <input type="checkbox"/> Utilities Located & Marked on the Ground <input type="checkbox"/> Employees Briefed on Marking and Color Codes* <input type="checkbox"/> Employees Trained on Excavation and Safety Procedures for Natural Gas Lines <input type="checkbox"/> When Excavation Approaches Gas Lines, Employees Must Expose Lines by Careful Probing and Hand-Digging 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: white; width: 20px;">WHITE</td><td>PROPOSED EXCAVATION</td></tr> <tr><td style="background-color: magenta; width: 20px;">MAGENTA</td><td>TEMPORARY SURVEY MARKINGS</td></tr> <tr><td style="background-color: red; width: 20px;">RED</td><td>ELECTRIC</td></tr> <tr><td style="background-color: yellow; width: 20px;">YELLOW</td><td>GAS, OIL, STEAM</td></tr> <tr><td style="background-color: orange; width: 20px;">ORANGE</td><td>COMMUNICATION, CATV</td></tr> <tr><td style="background-color: blue; width: 20px;">BLUE</td><td>POTABLE WATER</td></tr> <tr><td style="background-color: purple; width: 20px;">PURPLE</td><td>IRRIGATION, RECLAIMED WATER, SLURRY LINES</td></tr> <tr><td style="background-color: green; width: 20px;">GREEN</td><td>SEWER</td></tr> </table> <p style="text-align: center;">COLORADO 811 <small>ALWAYS CALL BEFORE YOU DIG 811 OR (800) 922-1987</small></p>	WHITE	PROPOSED EXCAVATION	MAGENTA	TEMPORARY SURVEY MARKINGS	RED	ELECTRIC	YELLOW	GAS, OIL, STEAM	ORANGE	COMMUNICATION, CATV	BLUE	POTABLE WATER	PURPLE	IRRIGATION, RECLAIMED WATER, SLURRY LINES	GREEN	SEWER
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MAGENTA	TEMPORARY SURVEY MARKINGS																
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YELLOW	GAS, OIL, STEAM																
ORANGE	COMMUNICATION, CATV																
BLUE	POTABLE WATER																
PURPLE	IRRIGATION, RECLAIMED WATER, SLURRY LINES																
GREEN	SEWER																

SHEET INDEX

SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION
GENERAL	COVER SHEET	ARCHITECTURAL	
G4	FEMA FLOODPLAIN MAP	A3	ARCHITECTURAL ELEVATIONS: NORTH AND WEST
		A4	ARCHITECTURAL ELEVATIONS: SOUTH AND EAST
CIVIL		ELECTRICAL	
C1	OVERALL SITE PLAN/VICINITY MAP	E1	ELECTRICAL ABBREVIATIONS, LEGEND, AND SCHEDULES
C2	EXISTING SITE PLAN	E4	ELECTRICAL LUMINAIRE PLAN
C3	SITE DEVELOPMENT PLAN		
C4	UTILITY PLAN		
C8	ALT. LANDSCAPE/SITE IMPROVEMENT DETAILS		
C9	ALT. LANDSCAPE/SITE IMPROVEMENT DETAILS		
C13	GEC NOTES		
C14	FINAL GRADING PLAN		
C15	EROSION CONTROL PLAN		
C16	GEC DETAILS		
C17	GEC DETAILS		
C18	GEC DETAILS		
C19	GEC DETAILS		
C20	GEC DETAILS		
C21	ALTERNATE LANDSCAPE PLAN NOTES		
C22	ALTERNATE LANDSCAPE PLAN		
C23	ALTERNATE LANDSCAPE PLAN DETAILS		

LEGEND

<ul style="list-style-type: none"> EX EASEMENT/FUT PROPERTY EX RIGHT-OF-WAY EX UTILITY EASEMENT EX CHAIN LINK FENCE EX FIRE HYDRANT EX VALVE TEST HOLE LOCATION ± EX UG ELECTRIC LINE EX/FUT STORM SEWER LINE EX WATER LINE EX/FUT SANITARY SEWER LINE EX/PP BY DEVELOPER CONTOURS-MAJOR EX/PP BY DEVELOPER CONTOURS-MINOR PP FENCE PP WATER LINE PP SANITARY SEWER LINE PP CONTOURS-MAJOR PP CONTOURS-MINOR 	<ul style="list-style-type: none"> 5778 5900
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NOTE:
SEE GRADING AND EROSION CONTROL SHEETS FOR GEC LEGEND AND LANDSCAPING SHEETS FOR LANDSCAPING LEGEND.

Approved

By: Kari Parsons

Date: 07/07/2022

El Paso County Planning & Community Development

PCD File No. PPR-21-75

PARTICIPANTS

OWNER
WIDEFIELD WATER AND SANITATION DISTRICT
8495 FONTAINE BLVD
COLORADO SPRINGS, CO 80925
CONTACT: ROBERT BANNISTER, PE
PHONE: (719) 955-6118

CONSULTING/DESIGN ENGINEER
JDS-HYDRO CONSULTANTS, A DIVISION OF RESPEC
5540 TECH CENTER DR, STE 100
COLORADO SPRINGS, CO 80903
CONTACT: GWEN DALL, PE
PHONE: (719) 227-0072

JDS-HYDRO CONSULTANTS, INC.
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 THE WIDEFIELD WATER AND SANITATION 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.

2022/03/08 9:19 AM By: Andrew Hood N:\Projects\102 Widefield Water And San\102.125 Rolling Hills Pump Station Drawings\Working\02-Civil\102125_Fema.dwg

JOINS PANEL 0957

EL PASO COUNTY
UNINCORPORATED AREAS
080059

ROLLING HILLS BOOSTER
PUMP STATION SITE
APPROXIMATE LOCATION

24

PEACEFUL VALLEY RD

RAINTREE DR

GRASSLAND RD

Williams Creek

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD.

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, AD, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A No Base Flood Elevations determined.
- ZONE AE Base Flood Elevations determined.
- ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AD Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR Special Flood Hazard Area Formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
- OTHERWISE PROTECTED AREAS (OPAs)

MAP REPOSITORIES
Refer to Map Repositories list on Map Index.
EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
MARCH 17, 1997

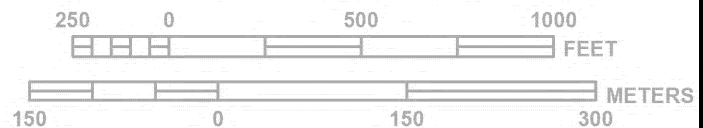
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
DECEMBER 7, 2016 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 500'



NIP

PANEL 0976G

FIRM

FLOOD INSURANCE RATE MAP

**EL PASO COUNTY,
COLORADO
AND INCORPORATED AREAS**

PANEL 976 OF 1300

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLORADO SPRINGS, CITY OF	08000	0878	G
EL PASO COUNTY	08009	0879	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
08041C0976G

MAP REVISED
DECEMBER 7, 2018

Federal Emergency Management Agency

WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 FEMA FLOODPLAIN MAP

JDS-HYDRO CONSULTANTS, INC.
 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 CONSULTANTS, INC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

NO.	REVISIONS		DATE
	DESCRIPTION	BY APP.	
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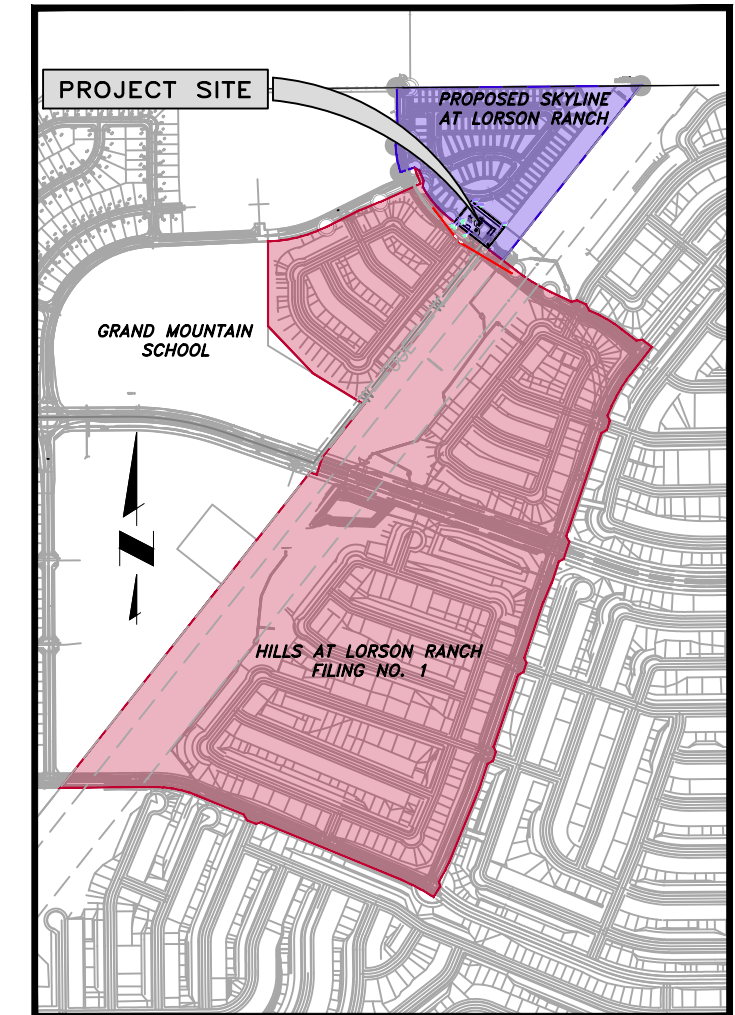
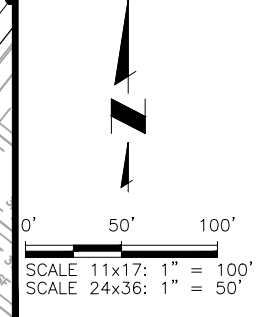
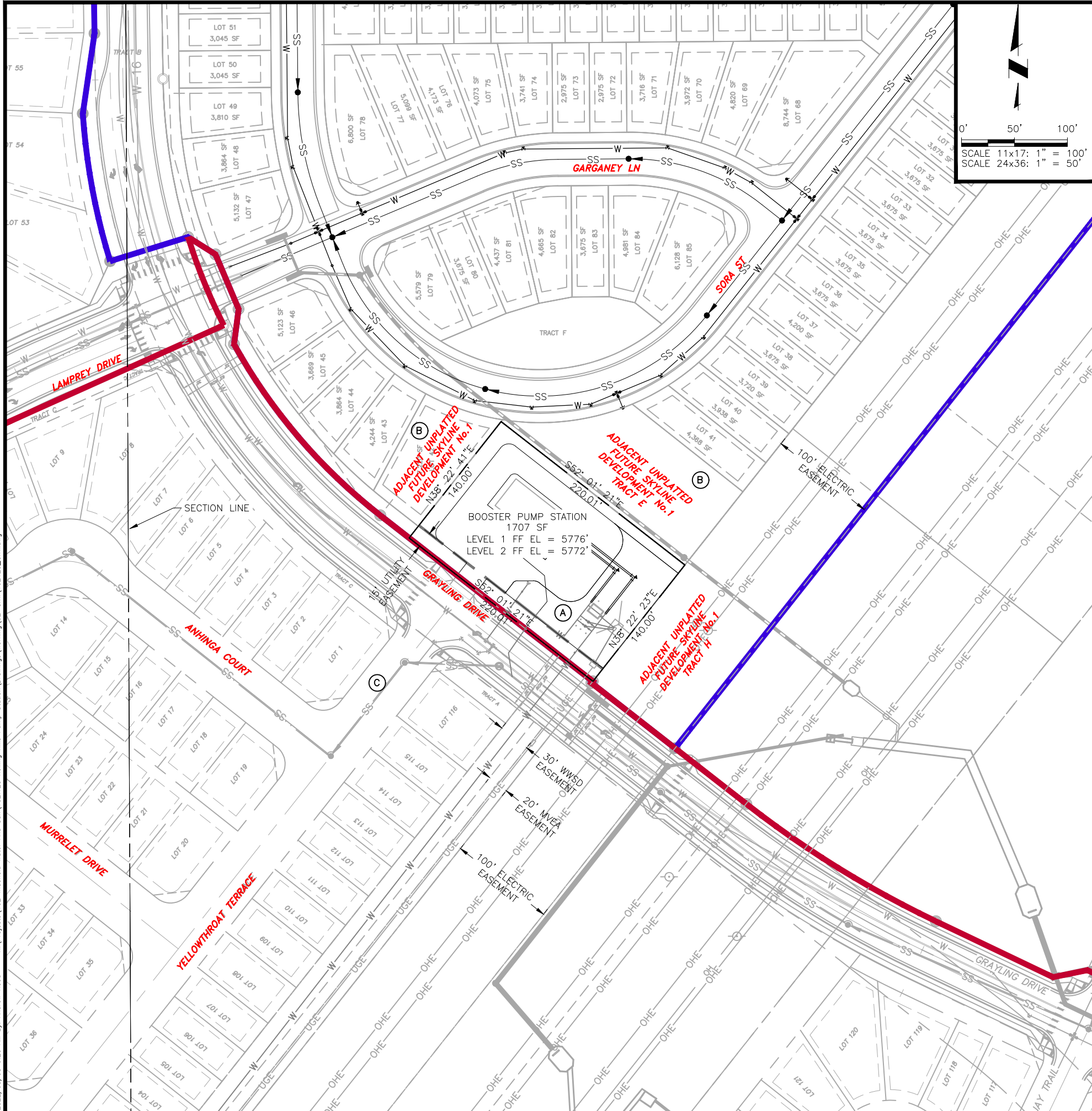
FOR REVIEW

Project No.: 102.125
 Date: 03/08/22
 Design: GJD
 Drawn: ACH
 Check: GJD

G4

SHEET --- OF ---

2022/03/08 9:20 AM By: Andrew Hood N:\Projects\102 Widefield Water And San\102.125 Rolling Hills Pump Station Drawings\Working\02-civil\102.125_civil.dwg



VICINITY MAP
SCALE: 1"=1000'

- LEGEND:**
- PROPOSED SKYLINE AT LORSON RANCH
 - HILLS AT LORSON RANCH FILING NO. 1
 - EX WATER LINE
 - PROPOSED WATER LINE

- (A)** PROJECT LOCATION
PERMANENT EASEMENT/FUTURE TRACT D OF PARCEL SCHED. #: 5500000440
(SEE EASEMENT AGREEMENT REC. NO. 218025813)
OWNER: WIDEFIELD WATER AND SANITATION DISTRICT
PLAT #: UNPLATTED
AC: 0.707 (30,800 SF)
TAX STATUS: EXEMPT
ZONING: PUD
- (B)** ADJACENT PROPERTY
SCHEDULE #: 5500000440
OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC
PLAT #: UNPLATTED
LAND USE: VACANT LAND
AC: 11.96
TAX STATUS: TAXABLE
ZONING: PUD
- (C)** ADJACENT PROPERTY
SCHEDULE #: 5513300004
OWNER: SAINT AUBYN HOMES LLC
MAILING ADDRESS: 212 N WAHSATCH AVE
STE 301, COLO SPRINGS, CO 80903
PLAT #: UNPLATTED
LAND USE: VACANT LAND
AC: 15.85
TAX STATUS: TAXABLE
ZONING: PUD

PCD File No. PPR-21-75

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WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
OVERALL SITE PLAN/VICINITY MAP

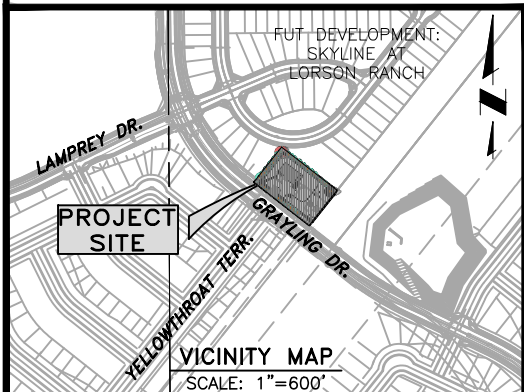
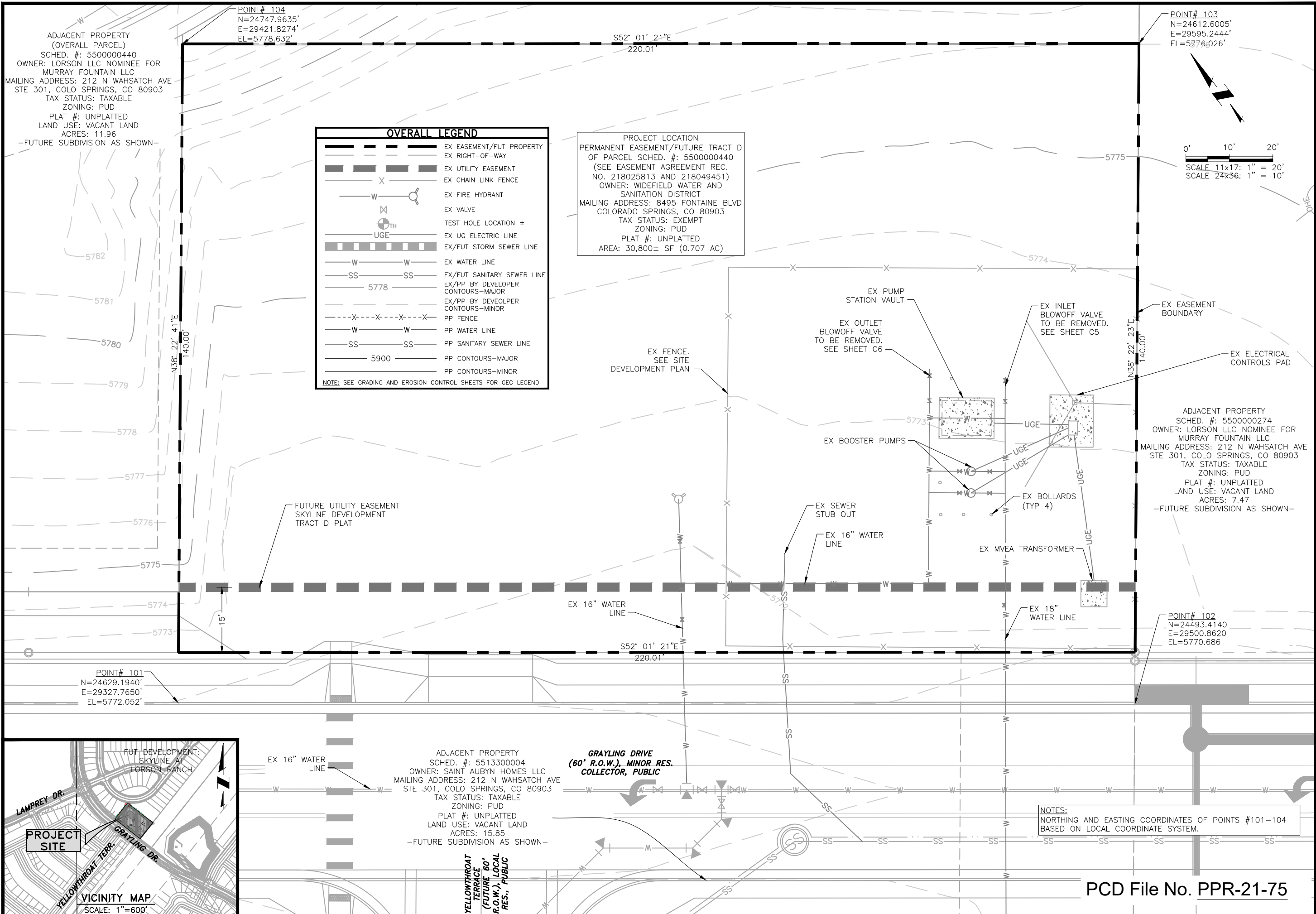
NO.	DESCRIPTION	BY	APP.	DATE
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FOR REVIEW

Project No.: 102.125
Date: 03/08/22
Design: GGM
Drawn: ACH
Check: GJD

C1
SHEET ---OF

2022/03/08 9:21 AM By: Andrew Hood N:\Projects\102 Widefield Water And San\102.125 Rolling Hills Pump Station Drawings\Working\02-Civil\102125_Civil.dwg



ADJACENT PROPERTY (OVERALL PARCEL) SCHED. #: 5500000440 OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903 TAX STATUS: TAXABLE ZONING: PUD PLAT #: UNPLATTED LAND USE: VACANT LAND ACRES: 11.96 -FUTURE SUBDIVISION AS SHOWN-

POINT# 104 N=24747.9635' E=29421.8274' EL=5778.632'

POINT# 103 N=24612.6005' E=29595.2444' EL=5776.026'

5782

5781

5780

5779

5778

5777

5776

5775

5774

5773

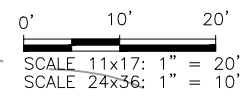
POINT# 101 N=24629.1940' E=29327.7650' EL=5772.052'

OVERALL LEGEND

	EX EASEMENT/FUT PROPERTY
	EX RIGHT-OF-WAY
	EX UTILITY EASEMENT
	EX CHAIN LINK FENCE
	EX FIRE HYDRANT
	EX VALVE
	TEST HOLE LOCATION ±
	EX UG ELECTRIC LINE
	EX/FUT STORM SEWER LINE
	EX WATER LINE
	EX/FUT SANITARY SEWER LINE
	EX/PP BY DEVELOPER CONTOURS-MAJOR
	EX/PP BY DEVELOPER CONTOURS-MINOR
	PP FENCE
	PP WATER LINE
	PP SANITARY SEWER LINE
	PP CONTOURS-MAJOR
	PP CONTOURS-MINOR

NOTE: SEE GRADING AND EROSION CONTROL SHEETS FOR GEC LEGEND

PROJECT LOCATION PERMANENT EASEMENT/FUTURE TRACT D OF PARCEL SCHED. #: 5500000440 (SEE EASEMENT AGREEMENT REC. NO. 218025813 AND 218049451) OWNER: WIDEFIELD WATER AND SANITATION DISTRICT MAILING ADDRESS: 8495 FONTAINE BLVD COLORADO SPRINGS, CO 80903 TAX STATUS: EXEMPT ZONING: PUD PLAT #: UNPLATTED AREA: 30,800± SF (0.707 AC)



FUTURE UTILITY EASEMENT SKYLINE DEVELOPMENT TRACT D PLAT

EX 16" WATER LINE

S52° 01' 21"E 220.01'

EX PUMP STATION VAULT
EX OUTLET BLOWOFF VALVE TO BE REMOVED. SEE SHEET C6

EX INLET BLOWOFF VALVE TO BE REMOVED. SEE SHEET C5

EX BOOSTER PUMPS

EX SEWER STUB OUT
EX 16" WATER LINE

EX MVEA TRANSFORMER

EX 18" WATER LINE

EX EASEMENT BOUNDARY

EX ELECTRICAL CONTROLS PAD

ADJACENT PROPERTY SCHED. #: 5500000274 OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903 TAX STATUS: TAXABLE ZONING: PUD PLAT #: UNPLATTED LAND USE: VACANT LAND ACRES: 7.47 -FUTURE SUBDIVISION AS SHOWN-

POINT# 102 N=24493.4140' E=29500.8620' EL=5770.686'

ADJACENT PROPERTY SCHED. #: 5513300004 OWNER: SAINT AUBYN HOMES LLC MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903 TAX STATUS: TAXABLE ZONING: PUD PLAT #: UNPLATTED LAND USE: VACANT LAND ACRES: 15.85 -FUTURE SUBDIVISION AS SHOWN-

GRAYLING DRIVE (60' R.O.W.), MINOR RES. COLLECTOR, PUBLIC

YELLOWTHROAT TERRACE (FUTURE 60' R.O.W.), LOCAL RES., PUBLIC

NOTES: NORTHING AND EASTING COORDINATES OF POINTS #101-104 BASED ON LOCAL COORDINATE SYSTEM.

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

WIDEFIELD WATER AND SANITATION DISTRICT ROLLING HILLS BOOSTER PUMP STATION EXISTING SITE PLAN

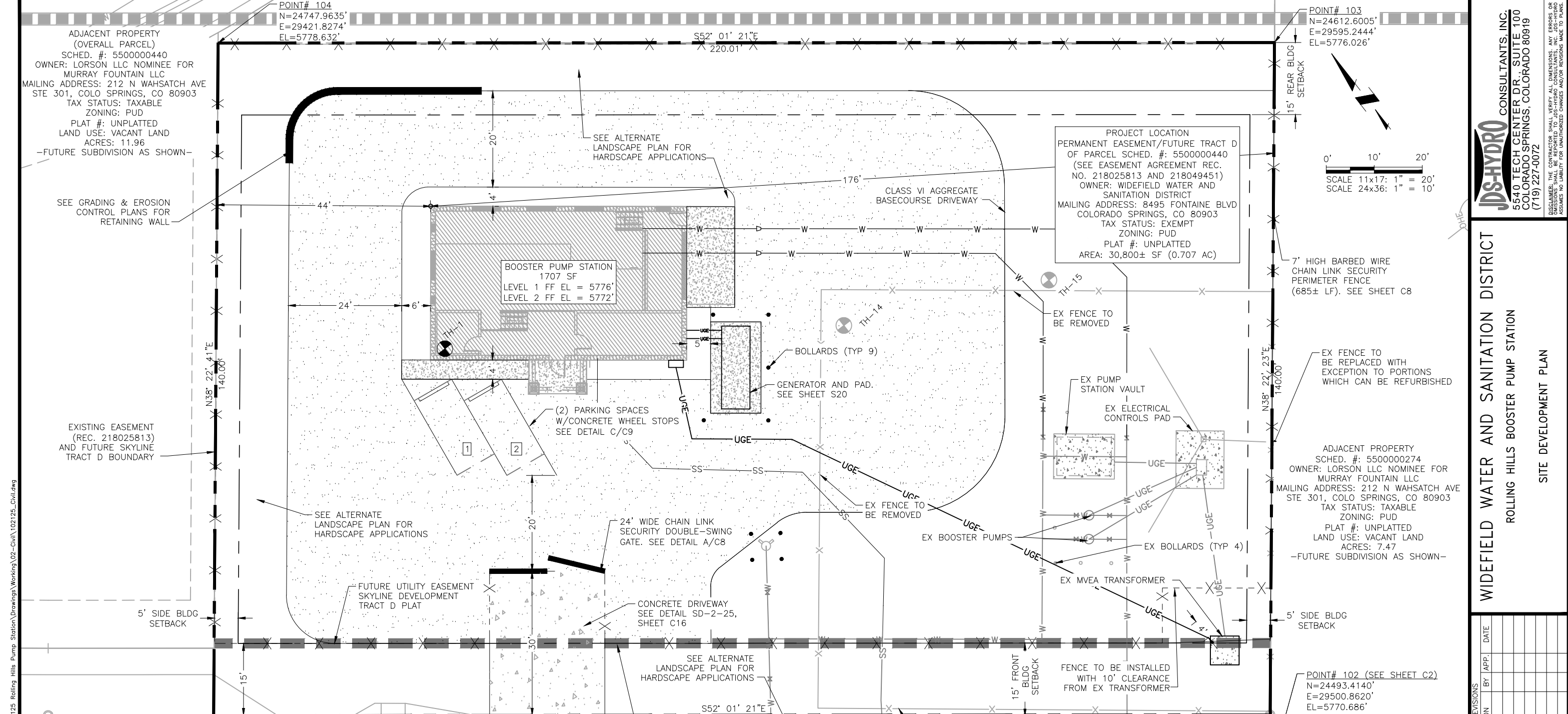
NO.	DESCRIPTION	BY	APP.	DATE
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FOR REVIEW

Project No.: 102.125 Date: 03/08/22 Design: JTH Drawn: ACH Check: GJD

PCD File No. PPR-21-75

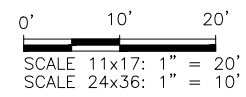
C2 SHEET ---OF



ADJACENT PROPERTY (OVERALL PARCEL)
 SCHED. #: 5500000440
 OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC
 MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903
 TAX STATUS: TAXABLE
 ZONING: PUD
 PLAT #: UNPLATTED
 LAND USE: VACANT LAND
 ACRES: 11.96
 -FUTURE SUBDIVISION AS SHOWN-

PROJECT LOCATION
 PERMANENT EASEMENT/FUTURE TRACT D OF PARCEL SCHED. #: 5500000440 (SEE EASEMENT AGREEMENT REC. NO. 218025813 AND 218049451)
 OWNER: WIDEFIELD WATER AND SANITATION DISTRICT
 MAILING ADDRESS: 8495 FONTAINE BLVD COLORADO SPRINGS, CO 80903
 TAX STATUS: EXEMPT
 ZONING: PUD
 PLAT #: UNPLATTED
 AREA: 30,800± SF (0.707 AC)

POINT# 103
 N=24612.6005'
 E=29595.2444'
 EL=5776.026'



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WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 SITE DEVELOPMENT PLAN

ADJACENT PROPERTY
 SCHED. #: 5500000274
 OWNER: LORSON LLC NOMINEE FOR MURRAY FOUNTAIN LLC
 MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903
 TAX STATUS: TAXABLE
 ZONING: PUD
 PLAT #: UNPLATTED
 LAND USE: VACANT LAND
 ACRES: 7.47
 -FUTURE SUBDIVISION AS SHOWN-

POINT# 102 (SEE SHEET C2)
 N=24493.4140'
 E=29500.8620'
 EL=5770.686'

EXISTING EASEMENT (REC. 218025813) AND FUTURE SKYLINE TRACT D BOUNDARY

SEE ALTERNATE LANDSCAPE PLAN FOR HARDSCAPE APPLICATIONS

FUTURE UTILITY EASEMENT SKYLINE DEVELOPMENT TRACT D PLAT

CONCRETE DRIVEWAY SEE DETAIL SD-2-25, SHEET C16

IDENTIFICATION SIGNAGE SECURED TO FENCE SEE DETAIL B/C9

SITE ACCESS
 N: 24602.4671
 E: 29379.9060

SITE ACCESS
 N: 24587.6987
 E: 29398.8241

ADJACENT PROPERTY
 SCHED. #: 5513300004
 OWNER: SAINT AUBYN HOMES LLC
 MAILING ADDRESS: 212 N WAHSATCH AVE STE 301, COLO SPRINGS, CO 80903
 TAX STATUS: TAXABLE
 ZONING: PUD
 PLAT #: UNPLATTED
 LAND USE: VACANT LAND
 ACRES: 15.85
 -FUTURE SUBDIVISION AS SHOWN-

GRAYLING DRIVE (60' R.O.W.), MINOR RES. COLLECTOR, PUBLIC

YELLOWTHROAT TERRACE (FUTURE 60' R.O.W.), LOCAL RES., PUBLIC

- NOTES:
- 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.
 - PROPOSED BUILDING SITE IS LOCATED OUTSIDE OF FLOODPLAIN.
 - SEE SHEET C22 FOR ALTERNATE LANDSCAPE PLAN.
 - SEE GRADING AND EROSION CONTROL PLANS FOR PROPOSED SITE GRADING AND EROSION CONTROL.
 - SEE SHEET C4 FOR PP UTILITY PLAN DETAILS.
 - LANDSCAPE DESIGN (BY MATRIX AND JDS) TO COINCIDE WITH SKYLINE AT LORSON RANCH PUD AND PRELIM. PLAN BY MATRIX.
 - NORTHING AND EASTING COORDINATES OF POINTS #101-104 BASED ON LOCAL COORDINATE SYSTEM.

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

OVERALL LEGEND

	EX EASEMENT/FUT PROPERTY
	EX RIGHT-OF-WAY
	EX UTILITY EASEMENT
	EX CHAIN LINK FENCE
	EX FIRE HYDRANT
	EX VALVE
	TEST HOLE LOCATION ±
	EX UG ELECTRIC LINE
	EX/FUT STORM SEWER LINE
	EX WATER LINE
	EX/FUT SANITARY SEWER LINE
	EX/PP BY DEVELOPER CONTOURS-MAJOR
	EX/PP BY DEVELOPER CONTOURS-MINOR
	PP FENCE
	PP WATER LINE
	PP SANITARY SEWER LINE
	PP CONTOURS-MAJOR
	PP CONTOURS-MINOR

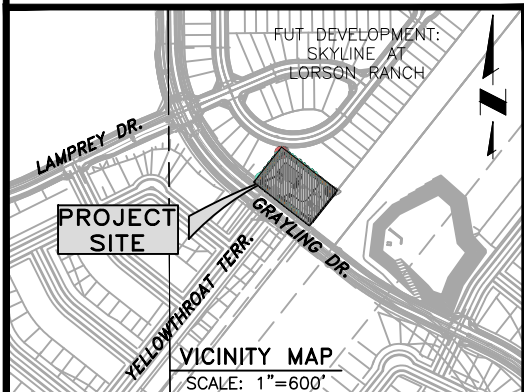
NOTE: SEE GRADING AND EROSION CONTROL SHEETS FOR GEC LEGEND

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FOR REVIEW

Project No.: 102.125
 Date: 03/08/22
 Design: GGM
 Drawn: GGM/ACH
 Check: GJD
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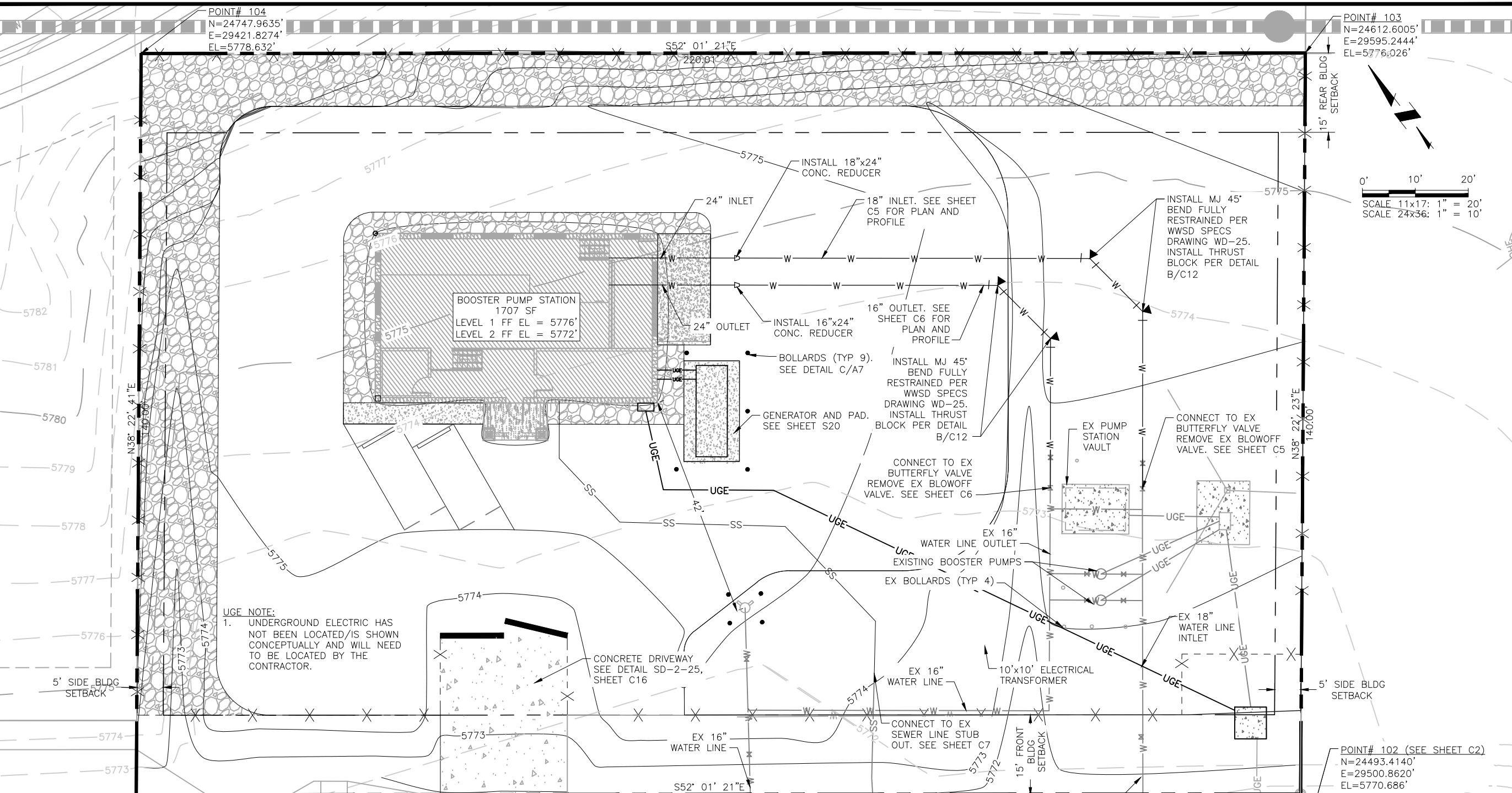
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POINT# 104
N=24747.9635'
E=29421.8274'
EL=5778.632'

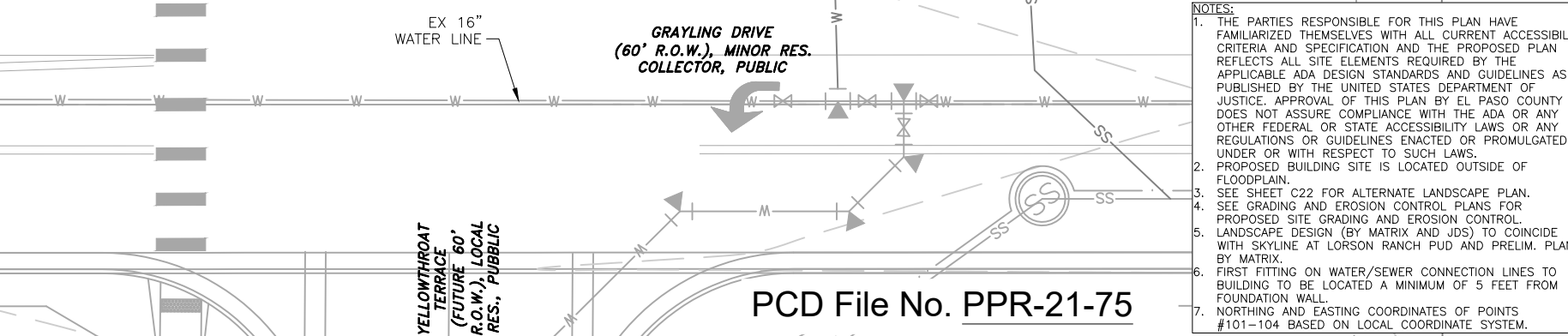
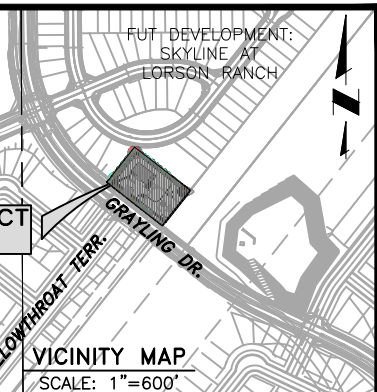
POINT# 103
N=24612.6005'
E=29595.2444'
EL=5776.026'



UGE NOTE:
1. UNDERGROUND ELECTRIC HAS NOT BEEN LOCATED/IS SHOWN CONCEPTUALLY AND WILL NEED TO BE LOCATED BY THE CONTRACTOR.

POINT# 101
N=24629.1940'
E=29327.7650'
EL=5772.052'

POINT# 102 (SEE SHEET C2)
N=24493.4140'
E=29500.8620'
EL=5770.686'



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. PROPOSED BUILDING SITE IS LOCATED OUTSIDE OF FLOODPLAIN.
3. SEE SHEET C22 FOR ALTERNATE LANDSCAPE PLAN.
4. SEE GRADING AND EROSION CONTROL PLANS FOR PROPOSED SITE GRADING AND EROSION CONTROL.
5. LANDSCAPE DESIGN (BY MATRIX AND JDS) TO COINCIDE WITH SKYLINE AT LORSON RANCH PUD AND PRELIM. PLAN BY MATRIX.
6. FIRST FITTING ON WATER/SEWER CONNECTION LINES TO BUILDING TO BE LOCATED A MINIMUM OF 5 FEET FROM FOUNDATION WALL.
7. NORTHING AND EASTING COORDINATES OF POINTS #101-104 BASED ON LOCAL COORDINATE SYSTEM.

OVERALL LEGEND

	EX EASEMENT/FUT PROPERTY
	EX RIGHT-OF-WAY
	EX UTILITY EASEMENT
	EX CHAIN LINK FENCE
	EX FIRE HYDRANT
	EX VALVE
	TEST HOLE LOCATION ±
	EX UG ELECTRIC LINE
	EX/FUT STORM SEWER LINE
	EX WATER LINE
	EX/FUT SANITARY SEWER LINE
	EX/PP BY DEVELOPER CONTOURS-MAJOR
	EX/PP BY DEVELOPER CONTOURS-MINOR
	PP FENCE
	PP WATER LINE
	PP SANITARY SEWER LINE
	PP CONTOURS-MAJOR
	PP CONTOURS-MINOR

NOTE: SEE GRADING AND EROSION CONTROL SHEETS FOR GEC LEGEND

JDS-HYDRO CONSULTANTS, INC.
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
UTILITY PLAN

REVISIONS

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Project No.: 102.125
Date: 03/08/22
Design: GJD
Drawn: ACH
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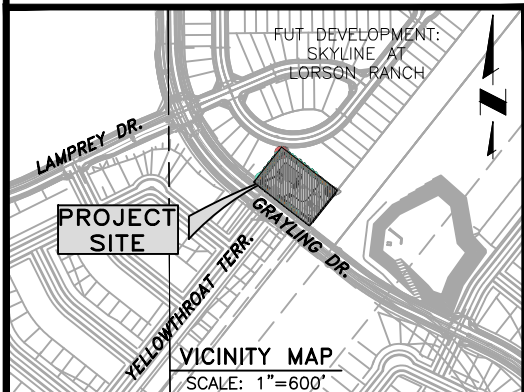
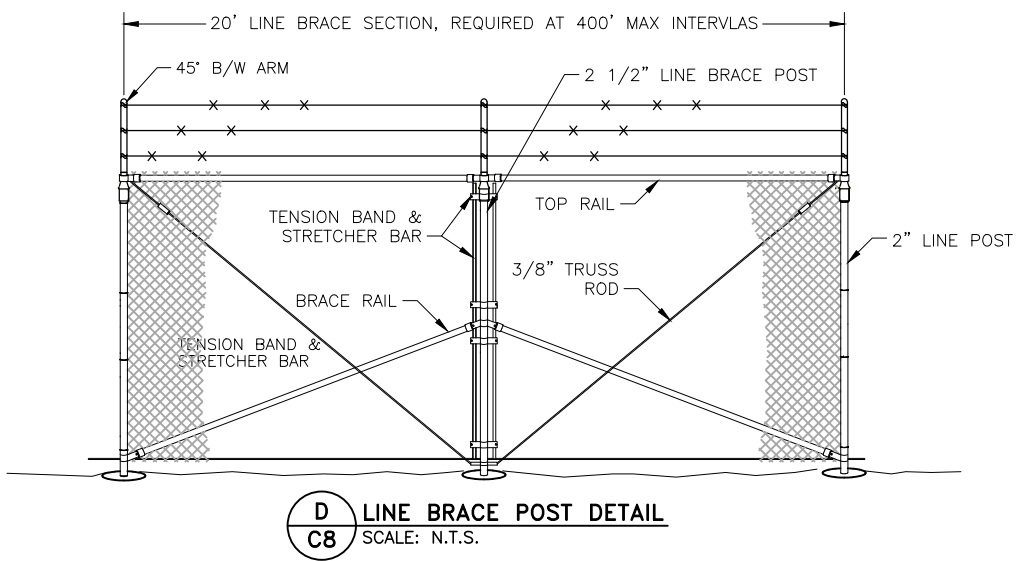
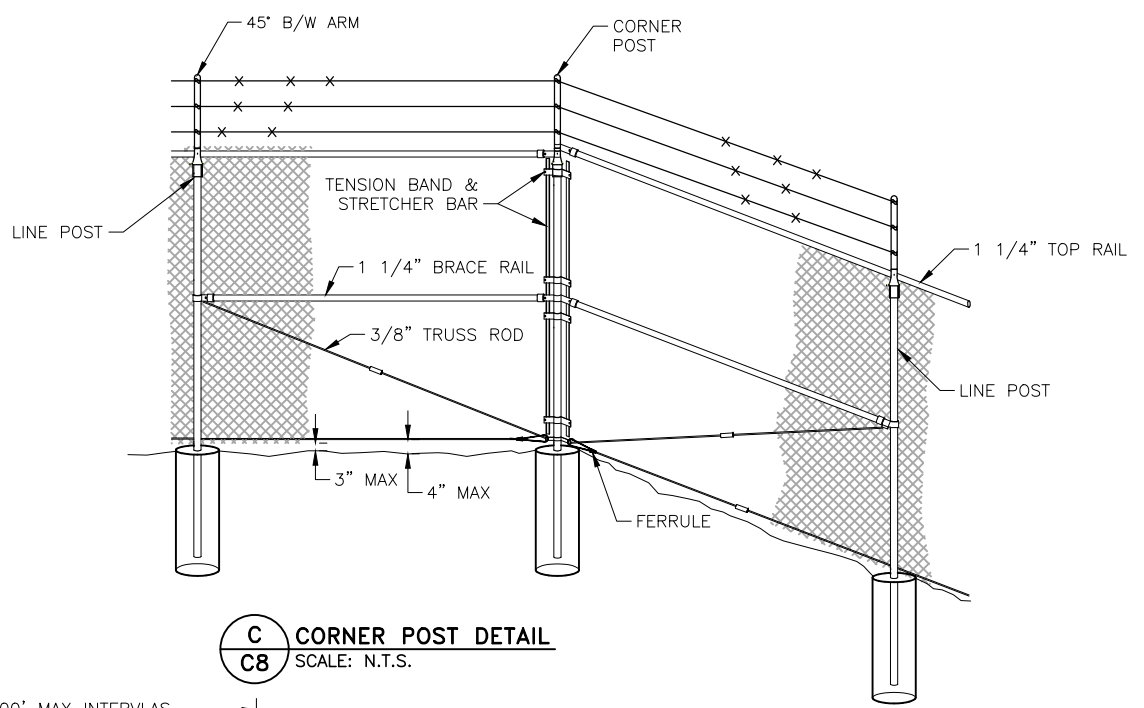
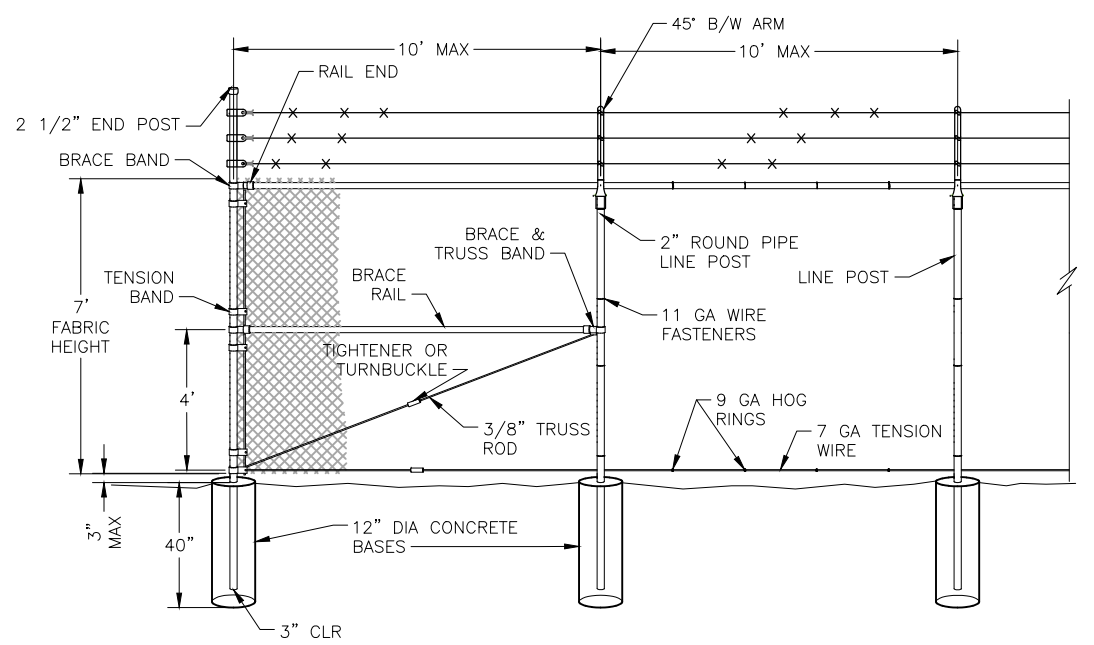
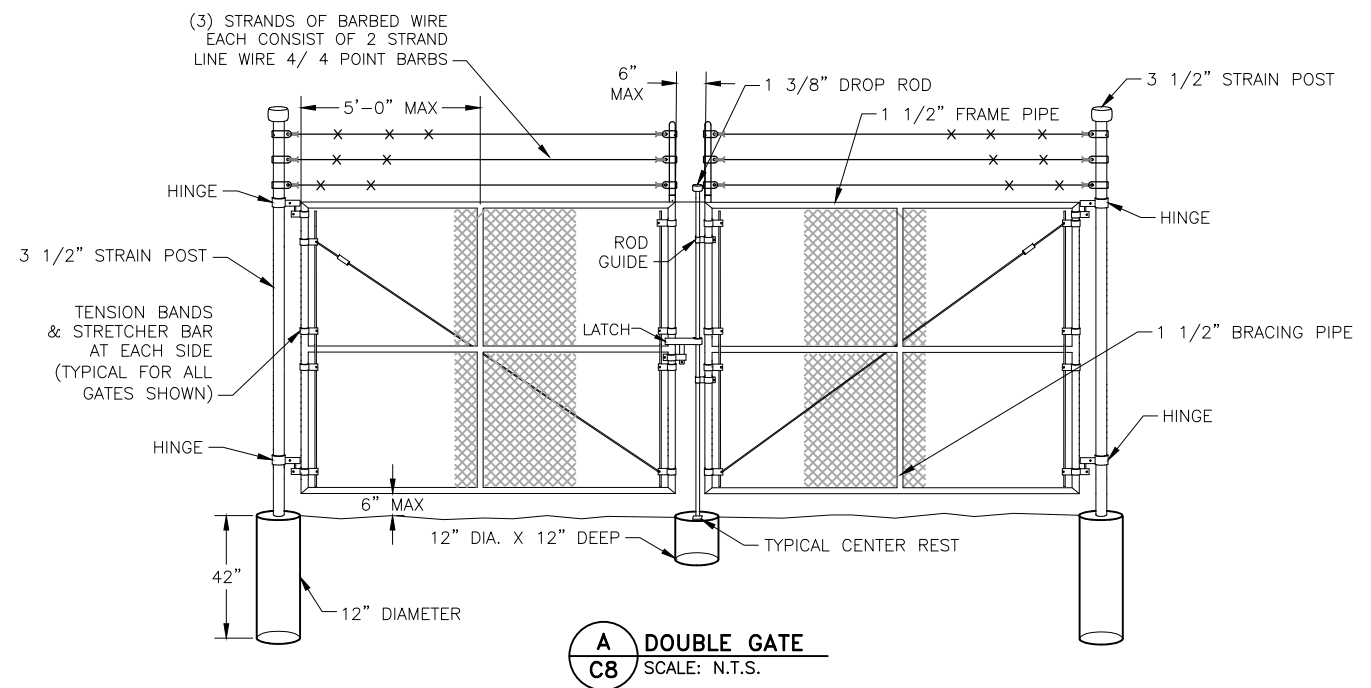
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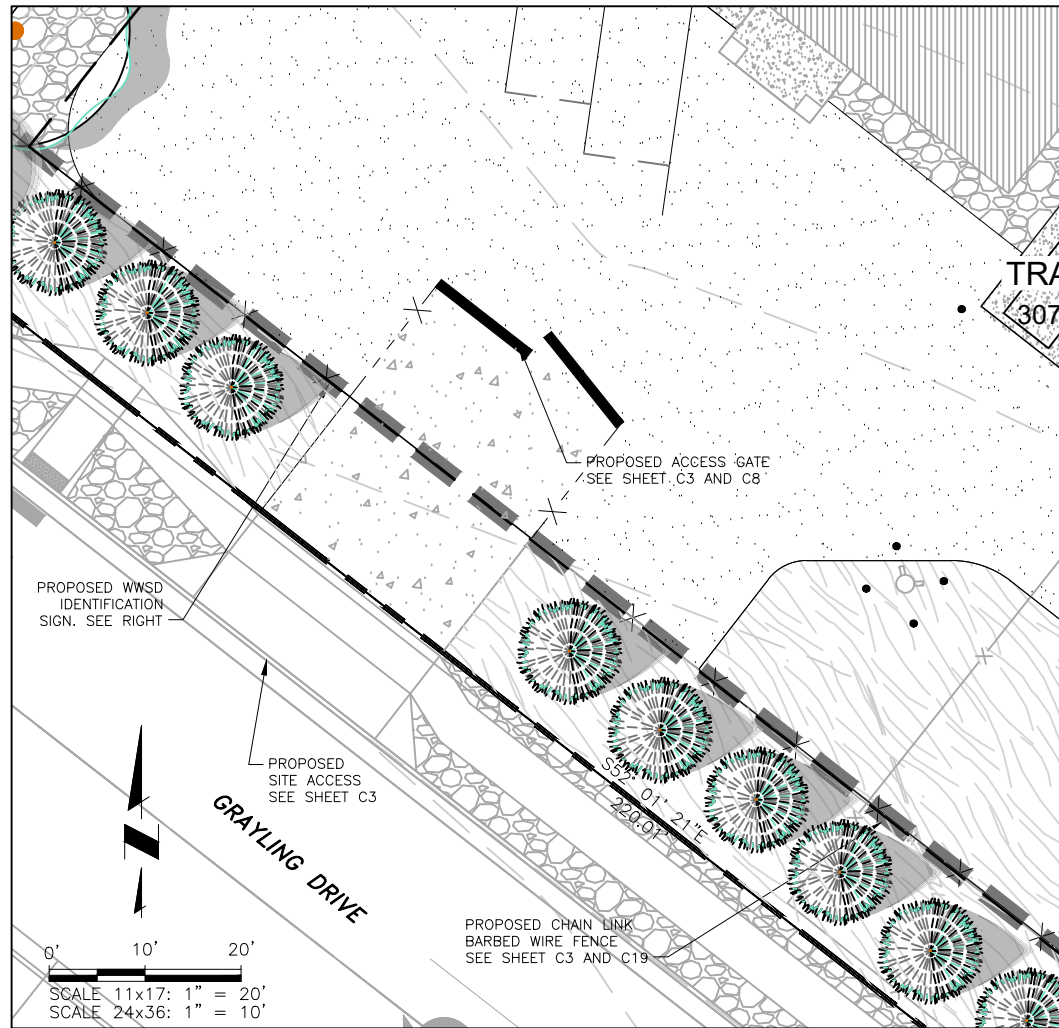
Project No.: 102.125
 Date: 03/08/22
 Design: GGM
 Drawn: GGM
 Check: GJD

- NOTES:**
- CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181.
 - CHAIN LINK FABRIC SHALL BE 2" MESH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND TIE CLIPS SHALL BE NO. 11 GAGE (W&M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B&S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.
 - STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO AASHTO M 181 TYPE 1, GRADE 1, OR GRADE 2.
 - TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.
 - TENSION WIRE SHALL BE AS SPECIFIED IN AASHTO M 181.
 - CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE CLASS A, AX, OR B.
 - CHAIN LINK FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNUCKLED ON THE BOTTOM SELVAGE.
 - ATTACH FABRIC TO ALL FENCE AND GATE STRUCTURES AT 12" INTERVALS VERTICALLY AND AT 20" HORIZONTALLY.

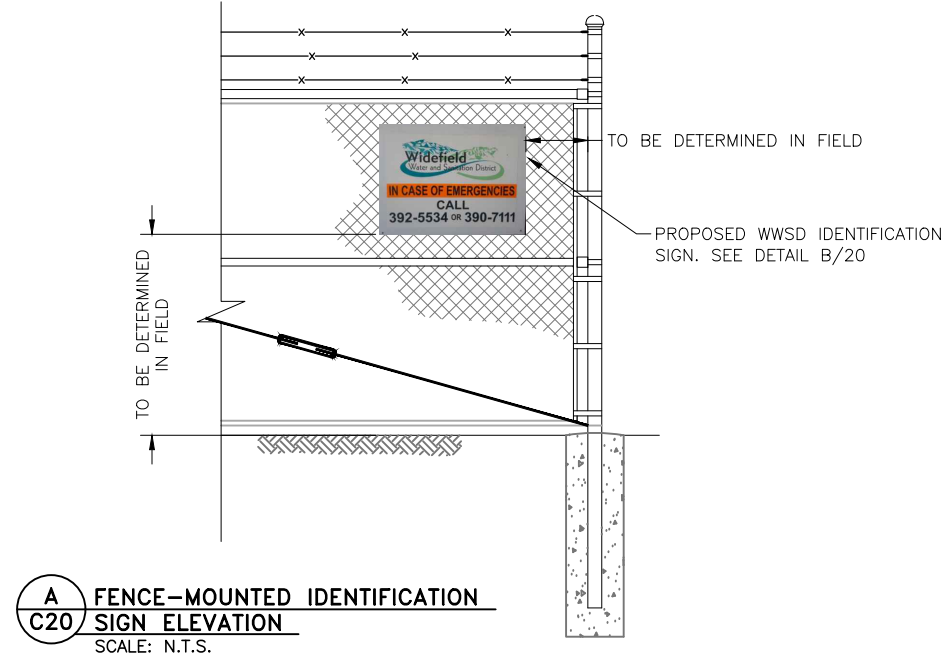


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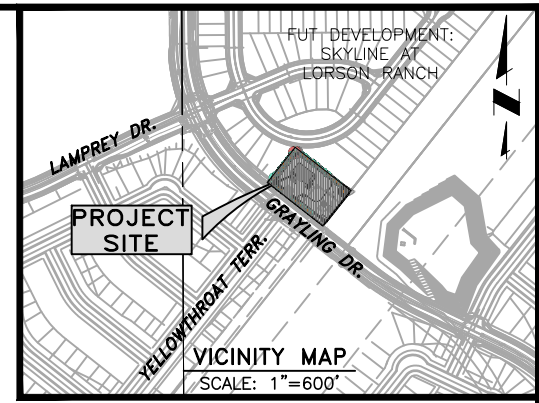
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IDENTIFICATION SIGN PLAN



A FENCE-MOUNTED IDENTIFICATION SIGN ELEVATION
SCALE: N.T.S.



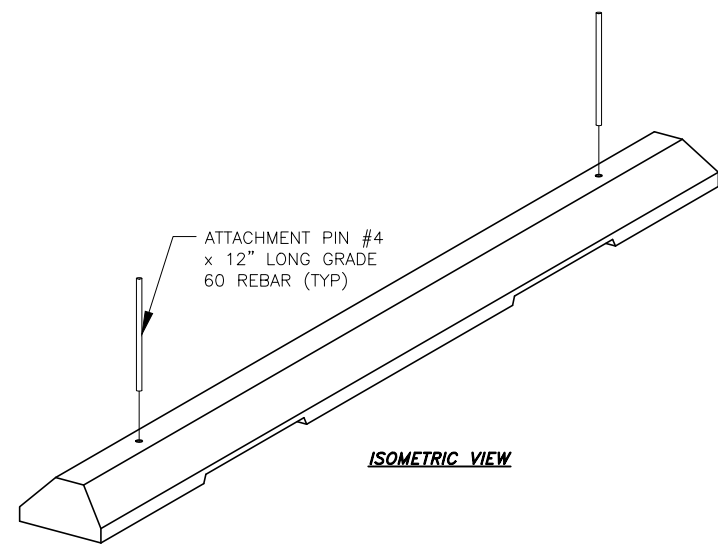
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5640 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

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

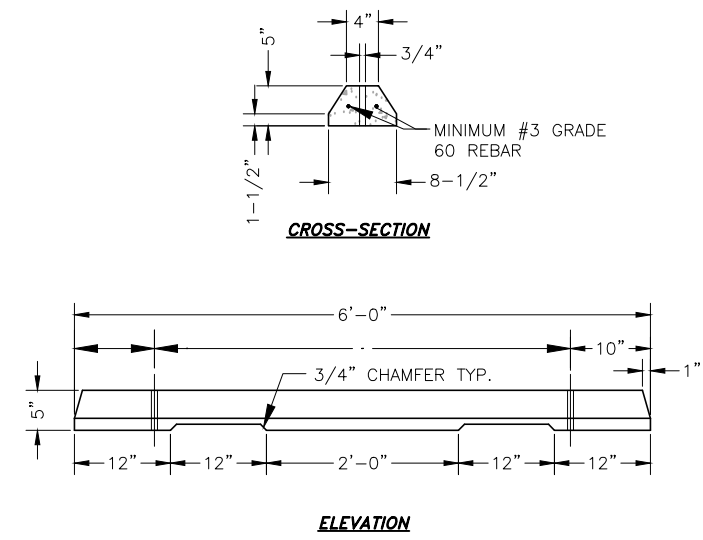
WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ALT. LANDSCAPE/SITE IMPROVEMENT DETAILS



B IDENTIFICATION SIGN
SCALE: N.T.S.



ISOMETRIC VIEW



CROSS-SECTION

ELEVATION

C CONCRETE WHEEL STOP
SCALE: N.T.S.

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FOR REVIEW

Project No.: 102.125
Date: 03/08/22
Design: GGM
Drawn: ACH
Check: GJD

NOTE:
DISTRICT IDENTIFICATION SIGNAGE TO BE INSTALLED ON FENCE PER PLANS. KNOXBOX INSTALLED ON GATE FOR FIRE DEPARTMENT ACCESS.

GENERAL NOTES:

1. 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 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.
4. REPORT ANY DISCREPANCIES IN THE LANDSCAPE PLANS IMMEDIATELY TO THE OWNER/ OWNER'S REPRESENTATIVE.
5. 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.
6. ALL PLANT LOCATIONS ARE APPROXIMATE, ADJUST AS NECESSARY TO AVOID CONFLICTS.
7. QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN.
8. 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 HE MAY CAUSE TO UTILITIES.
9. 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.
10. 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.
11. ALL COMMON LANDSCAPE AND STREETScape PLANTINGS WITHIN THIS DEVELOPMENT SHALL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
12. ANY OBJECT WITHIN THE SIGHT DISTANCE TRIANGLE OR EASEMENT MORE THAN 30 INCHES ABOVE THE FLOWLINE ELEVATION OF THE ADJACENT ROADWAY SHALL CONSTITUTE A SIGHT OBSTRUCTION, AND SHALL BE REMOVED OR LOWERED. THE OBJECTS MAY INCLUDE BUT ARE NOT LIMITED TO BERMS, BUILDINGS, PARKED VEHICLES ON PRIVATE PROPERTY, CUT SLOPES, HEDGES, TREES, BUSHES, UTILITY CABINETS OR TALL CROPS. TREES MAY BE PERMITTED AT THE DISCRETION OF THE ECM ADMINISTRATOR IF PRUNED TO AT LEAST 8 FEET ABOVE THE FLOWLINE ELEVATION OF THE ADJACENT ROADWAY.

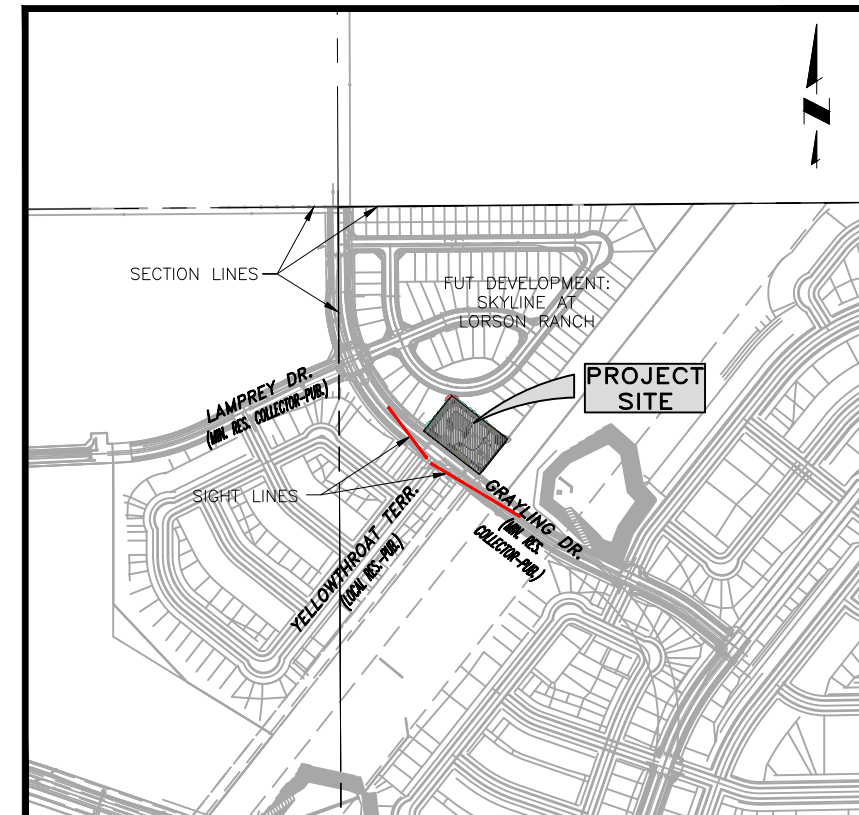
SHRUB/ TREE PLANTING NOTES:

1. ALL TREE AND SHRUB LOCATIONS ARE APPROXIMATE; ADJUST AS NECESSARY TO AVOID CONFLICTS. PLANTING LOCATIONS OF SHRUBS, GRASSES, AND PERENNIALS AS SPECIFIED. OBTAIN OWNER'S REPRESENTATIVE'S APPROVAL OF LOCATIONS PRIOR TO PLANTING TREES AND SHRUBS.
2. 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 ACT).
3. PLANTS ARE TO BE SELECTED AND SIZED AS SHOWN ON THE PLANT SCHEDULE.
4. PLANTING BEDS RECEIVING MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE. DO NOT APPLY HERBICIDE IN PERENNIAL BEDS.
5. POROUS WEED BARRIER FABRIC, AS NOTED IN THE SPECIFICATIONS, SHALL BE INSTALLED WHERE NOTED IN THE DETAILS.
6. 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.
7. 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.
8. 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.

SODDING & SEEDING:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EROSION CONTROL MEASURES DURING THE DURATION OF WORK ON-SITE.
2. GENERAL CONTRACTOR SHALL PROVIDE 4" OF TOPSOIL AT ALL SOD AND PLANTING AREAS. GRADE SHALL BE ADJUSTED FOR SOD THICKNESS. ALL FINISH GRADING SHALL BE PERFORMED BY LANDSCAPE CONTRACTOR.
3. FINE GRADE SOD AREAS TO ELIMINATE IRREGULARITIES ON THE SURFACE. ROLL OR PERFORM ADDITIONAL FINE GRADING.
4. 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. CERTIFICATION LABELS WHICH INDICATE THE SPECIES, PURITY, GERMINATION, WEED CONTENT, ORIGIN, AND TEST DATE SHALL BE SUBMITTED FOR ALL SEED MATERIALS.
5. SEEDING METHOD: DRILL SEEDING OR BROADCAST SEEDING SHALL BE USED FOR REVEGETATION. AS OUTLINED BELOW, THE SIZE AND SLOPE OF THE DISTURBED AREA SHALL DETERMINE WHICH SEEDING METHOD(S) IS APPROPRIATE AND ACCEPTABLE. WHERE FEASIBLE, RANGELAND DRILL SEEDING COMBINED WITH A COVER OF CRIMPED HAY MULCH OR HYDRO-MULCH IS THE REQUIRED METHOD

- 5.1. SLOPES LESS THAN 3:1 - SEED SHALL BE PLANTED USING A RANGELAND DRILL WITH A SMALL SEED/LEGUME BOX AND AN AGITATOR BOX FOR FLUFFY OR BULKY SEED. SEED ROWS SHALL BE SPACED 7-10 INCHES APART, AND PLANTED 0.5 TO 0.75 INCHES DEEP. THE DRILL SHALL HAVE DOUBLE-DISK FURROW OPENERS WITH DEPTH BANDS AND PACKER WHEELS. SEEDING SHALL BE ACCOMPLISHED USING BI-DIRECTIONAL DRILLING AND FOLLOWING THE SLOPE CONTOUR. 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.
 - 5.1.1. FOR AREAS LARGER THAN 0.1 ACRE- HYDRO-SEEDING SHALL BE USED. THE SEED SHALL NOT BE TANK MIXED WITH THE HYDRO-MULCH AND BROADCAST.
6. MULCHING: WEED-FREE NATIVE HAY, WEED-FREE STRAW, OR VIRGIN WOOD FIBER HYDRO-MULCH SHALL BE USED TO CONTROL EROSION AND PROMOTE SEED GERMINATION AND PLANT ESTABLISHMENT. NATIVE HAY, STRAW, OR HYDRO-MULCH SHALL BE APPLIED AT 2,000 POUNDS/ACRE ON SLOPES LESS THAN 3:1. ON STEEPER SLOPES, A MULCHING RATE OF 2,500 POUNDS/ACRE SHALL BE USED.
7. NATIVE HAY OR STRAW SHALL BE CRIMPED INTO THE SOIL TO A DEPTH OF AT LEAST 3 INCHES, AND SHALL PROTRUDE ABOVE THE GROUND AT LEAST 3 INCHES. AN ORGANIC TACKIFIER SHALL BE USED TO HOLD THE HAY OR STRAW IN PLACE IF THE CRIMPING RESULTS ARE INSUFFICIENT. HYDRO-MULCH SHALL BE APPLIED USING A COLOR DYE AND THE MANUFACTURER RECOMMENDED RATE OF AN ORGANIC TACKIFIER.
8. APPROVAL OF SEEDED TURF 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 ONE SQUARE METER 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 RESEED 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 RESEED DURING THE SAME SEASON.



VICINITY MAP
SCALE: 1"=600'

NOTE:
SEE SKYLINE AT LORSON RANCH PUD AND PRELIMINARY PLAN (BY MATRIX AND CORE ENGINEERING GROUP) FOR PROPOSED SURROUNDING SUBDIVISION LANDSCAPING DETAILS INCLUDING SUBDIVISION MANMADE ELEMENTS, PEDESTRIAN-ORIENTED AREAS AND STORMWATER DETENTION.

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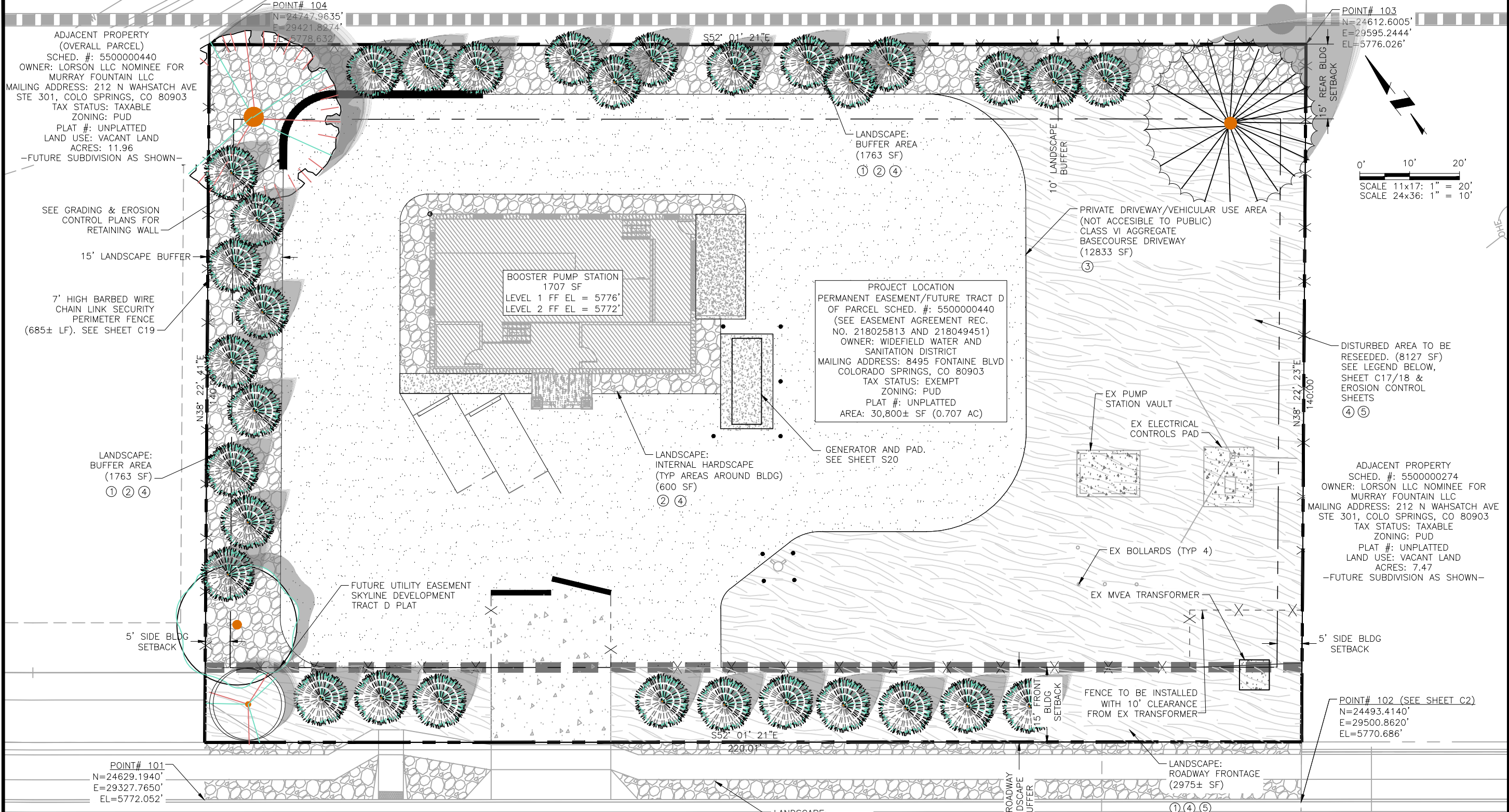
WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 ALTERNATE LANDSCAPE PLAN NOTES

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Project No.: 102.125
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WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ALTERNATE LANDSCAPE PLAN

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- ① TYP PLANTING. REF: SHEET C18
- ② GRAVEL/MULCH @ 4" MIN.
- ③ BASECOURSE @ 4" MIN.
- ④ STEEL LANDSCAPE EDGER, TO BE INSTALLED BETWEEN ALL SEED OR SOD AREAS AND PLANTING BEDS; TO BE DURAEDEGE 1/4" THICK x 5" WIDE ROLLED TOP STEEL EDGE. COLOR TO BE 'BLACK'. INSTALL PER MANUFACTURER'S SPECS
- ⑤ NATIVE SEED TO BE PRE-BLENDED PAWNEE BUTTES SEED INC. 'PBSI LOW GROW MIX', SEED BLEND INSTALLED PER SUPPLIER'S SPECS. SUBMIT CUT SHEET FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION

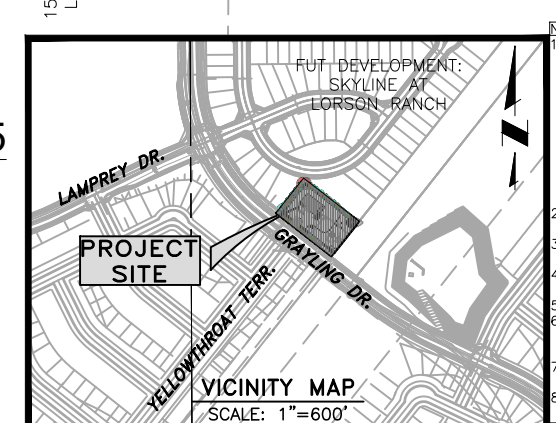
LANDSCAPE KEY/DESCRIPTIONS		LANDSCAPE SCHEDULE - XERIC/LOW WATER VEGETATION				
SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	MATURE SIZE (WxH)	PLANTING SIZE (MIN)	COMMENTS
①	EVERGREEN TREE	HOOPSI BLUE SPRUCE	32	10'/12' x 20'/25'	6" MIN. HEIGHT	MUST ARRIVE BALLED AND BURLAPPED. PRUNE TO SHAPE TREE AT EARLY GROWTH
②	PINUS PONDEROSA	PONDEROSA PINE	1	30'/40' x 50'/75'	6" MIN. HEIGHT	MUST ARRIVE BALLED AND BURLAPPED. PRUNE IN LATE FALL OR WINTER
③	DECIDUOUS SHADE TREE	ACER RUBRUM 'RED SUNSET'	1	30'/40' x 40'/50'	2" CAL	MUST ARRIVE BALLED AND BURLAPPED. PRUNE IN LATE WINTER BEFORE BUDS BREAK OR EARLY SUMMER AFTER TREE HAS FLOWERED
④	DECIDUOUS SHADE TREE	KOELREUTERIA PANICULATA	1	20'/30' x 20'/30'	2" CAL	MUST ARRIVE BALLED AND BURLAPPED. PRUNE IF NECESSARY IN LATE WINTER TO EARLY SPRING
⑤	DECIDUOUS ORNAMENTAL TREE	MALUS X 'PRAIRIFIRE'	1	12'/15' x 15'/25'	1.5" CAL	MUST ARRIVE BALLED AND BURLAPPED. ONLY PRUNE OFF ANY WEAK, DAMAGED OR BROKEN BRANCHES

LANDSCAPE: OTHER, LOT & CURB (1220 SF) ②

GRAYLING DRIVE (60' R.O.W.), MINOR RES. COLLECTOR, PUBLIC

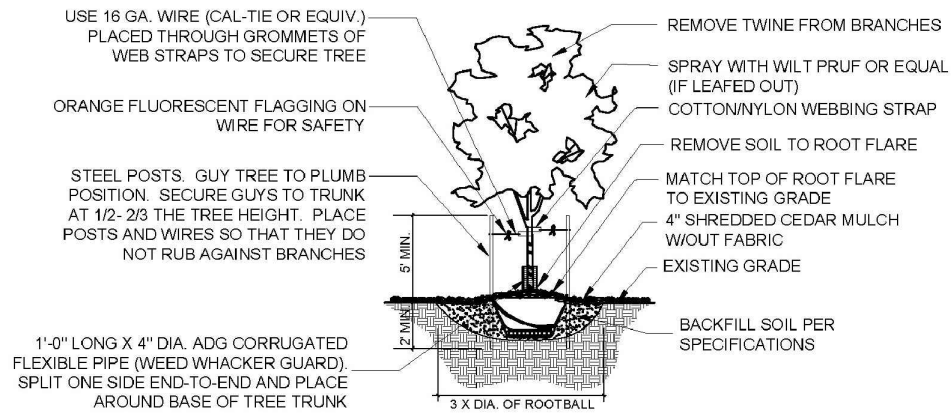
PCD File No. PPR-21-75

LANDSCAPE SCHEDULE - HARDSCAPE/MULCH	
	NATIVE SEED: SEE LEFT KEY/DESCRIPTIONS FOR DETAILS
	3/8" GRAVEL MULCH: PIONEER WASHED RIVER ROCK OR APPROVED EQUAL (OVER WEED BARRIER FABRIC)
	BASECOURSE: CLASS VI AGGREGATE. SEE SPECIFICATIONS

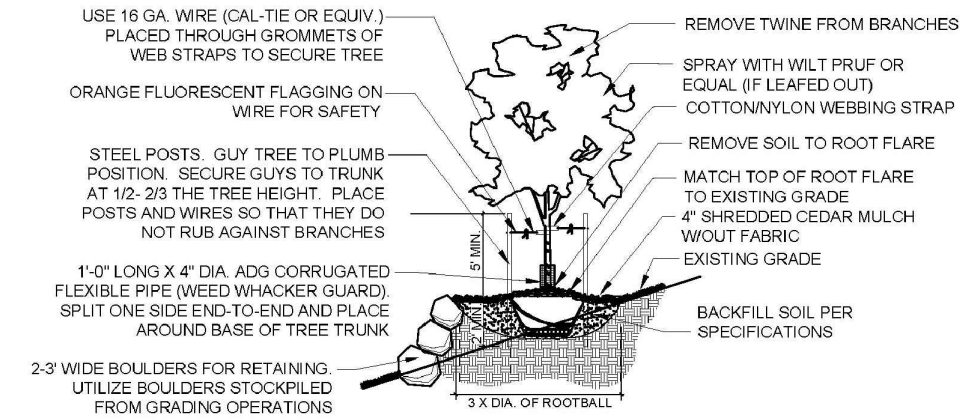


- NOTES:
- THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. 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.
 - PROPOSED BUILDING SITE IS LOCATED OUTSIDE OF FLOODPLAIN.
 - SEE SHEET C3 FOR SITE DEVELOPMENT PLAN, OVERALL LEGEND, AND OVERALL VICINITY MAP.
 - SEE GRADING AND EROSION CONTROL PLANS FOR PROPOSED SITE GRADING AND EROSION CONTROL.
 - SEE SHEET C5 FOR PP UTILITY PLAN DETAILS.
 - LANDSCAPE DESIGN (BY MATRIX AND JDS) TO COINCIDE WITH SKYLINE AT LORSON RANCH PUD AND PRELIM. PLAN BY MATRIX.
 - NORTHING AND EASTING COORDINATES OF POINTS #101-104 BASED ON LOCAL COORDINATE SYSTEM. LANDSCAPING CALLED FOR ALONG THE ROAD FRONTAGE TO BE COMPLETED WITH SKYLINE DEVELOPMENT.

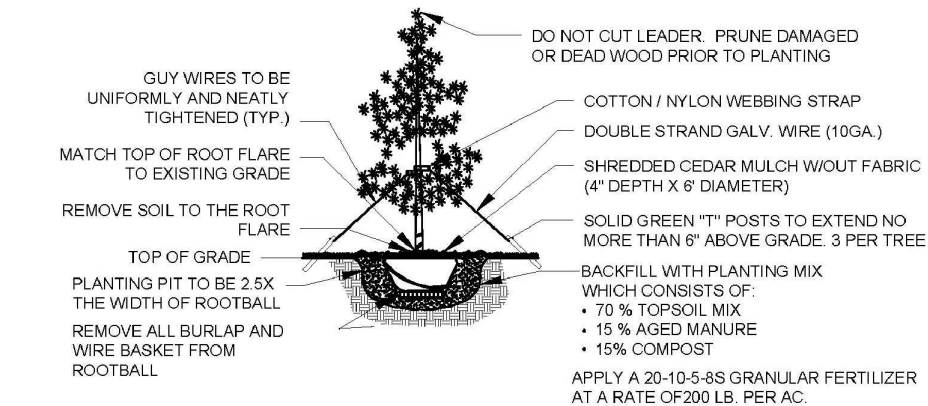
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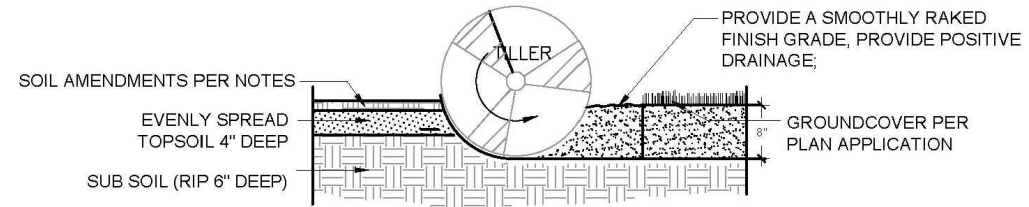
A DECIDUOUS TREE PLANTING
C23 SCALE: N.T.S.



B TREE PLACEMENT ON SLOPES
C23 SCALE: N.T.S.



C EVERGREEN TREE PLANTING
C23 SCALE: N.T.S.



- NOTES:**
1. TOPSOIL TO CONSIST OF DARK, LIGHT LOAM SOIL FREE OF ROCKS, ROOTS, AND FOREIGN MATERIALS.
 2. COMPOST TO CONSIST OF 1-YEAR OLD ORGANIC MATERIAL AND SHOULD NOT INCLUDE CHICKEN MANURE.
 3. FROZEN MATERIALS OR MATERIALS GREATER THAN 1" DIA. SHOULD BE REMOVED.

D SOIL PREP FOR LANDSCAPE AREAS
C23 SCALE: N.T.S.

ALTERNATE LANDSCAPING COVERAGES	
SITE AREA (FUTURE TRACT D)	30,800 SQ FT
ROADWAY FRONTAGE	
GRAYLING DR, NON-ARTERIAL, COLLECTOR	220.01' (176.01' USEABLE)
FRONTAGE WIDTH REQUIRED/PROVIDED	15/15 (INSIDE EASEMENT)
NUMBER OF TREES REQUIRED @ 1/15 LF/PROVIDED	12/11 (SEE ALT. LANDSCAPE REQUEST)
PARKING LOT	
TREES, ISLANDS, SCREENING	N/A
BUFFER & SCREEN AREAS (PROPERTY TRACT LINES)	
WIDTH REQUIRED/PROVIDED	15/15 (WEST)
	15/10 (NORTH, SEE ALT. LANDSCAPE REQUEST)
	15/0 (EAST, SEE ALT. LANDSCAPE REQUEST)
INTERNAL	
% MINIMUM INTERNAL AREA REQUIRED/PROVIDED	5/0 (SEE ALT. LANDSCAPE REQUEST)
INTERNAL AREA REQUIRED/PROVIDED	1540/0 (SEE ALT. LANDSCAPE REQUEST)
MINIMUM QUANTITY OF TREES REQUIRED/PROVIDED	3/0 (SEE ALT. LANDSCAPE REQUEST)
LIVE GROUND COVER WITHIN REQ. LANDSCAPE AREAS	
% GROUNDCOVER REQUIRED/PROVIDED	75/0 (SEE MISCELLANEOUS BELOW)*
OTHER	
ZONING DISTRICT BOUNDARY TREES	N/A (SEE ALT. LANDSCAPE REQUEST)
LANDSCAPING BETWEEN LOT AND CURB	HARDSCAPE PP IN LIEU OF PLANTINGS (SEE ALT. LANDSCAPE REQUEST)
*MISCELLANEOUS	
% MINIMUM GROUNDCOVER REQUIRED/PROVIDED (OVER-RIDES ABOVE)	50/75 (CONSISTS OF NATIVE SEED)

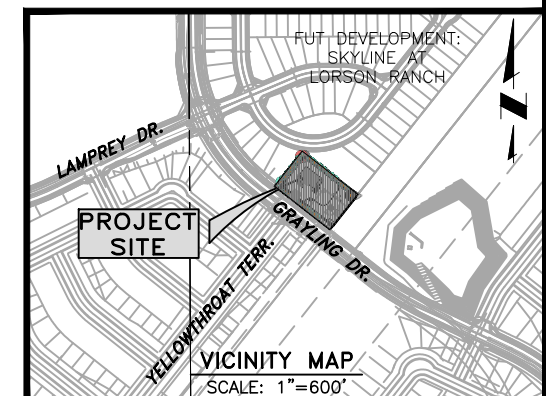
JDS-HYDRO CONSULTANTS, INC.
5640 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

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

WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ALTERNATE LANDSCAPE PLAN DETAILS

NO.	DESCRIPTION	BY	APP.	DATE
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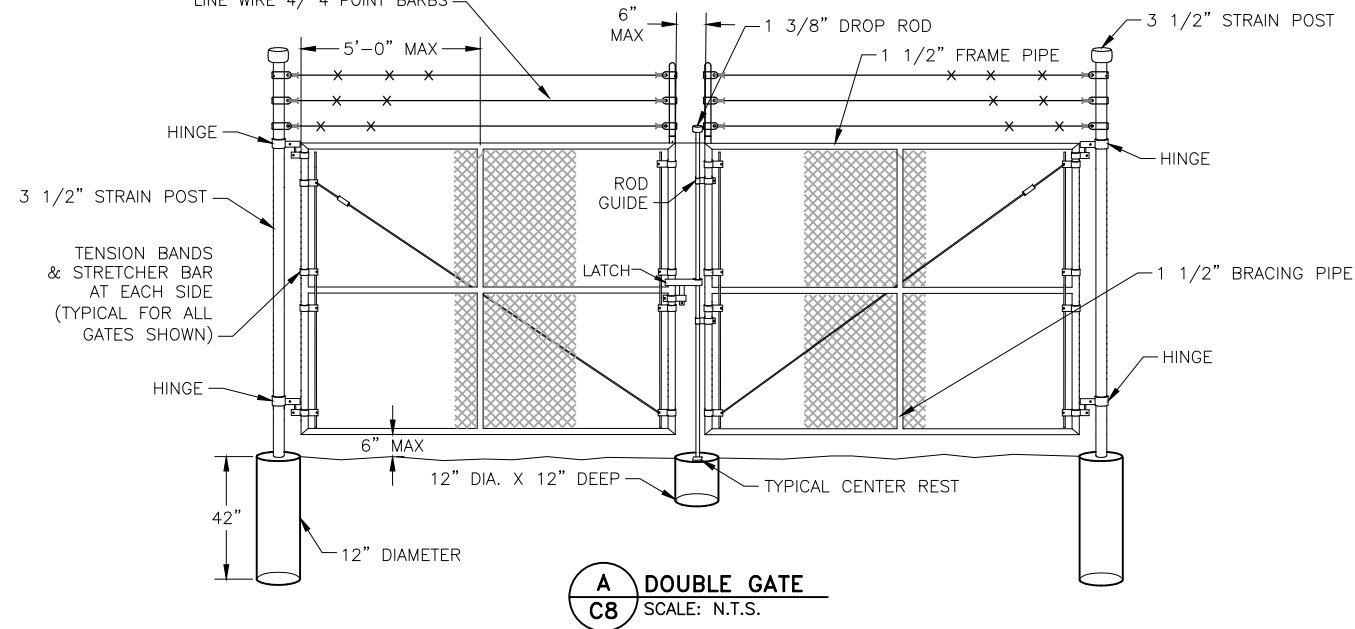
Project No.: 102.125
Date: 03/02/22
Design: GGM
Drawn: GGM
Check: GJD

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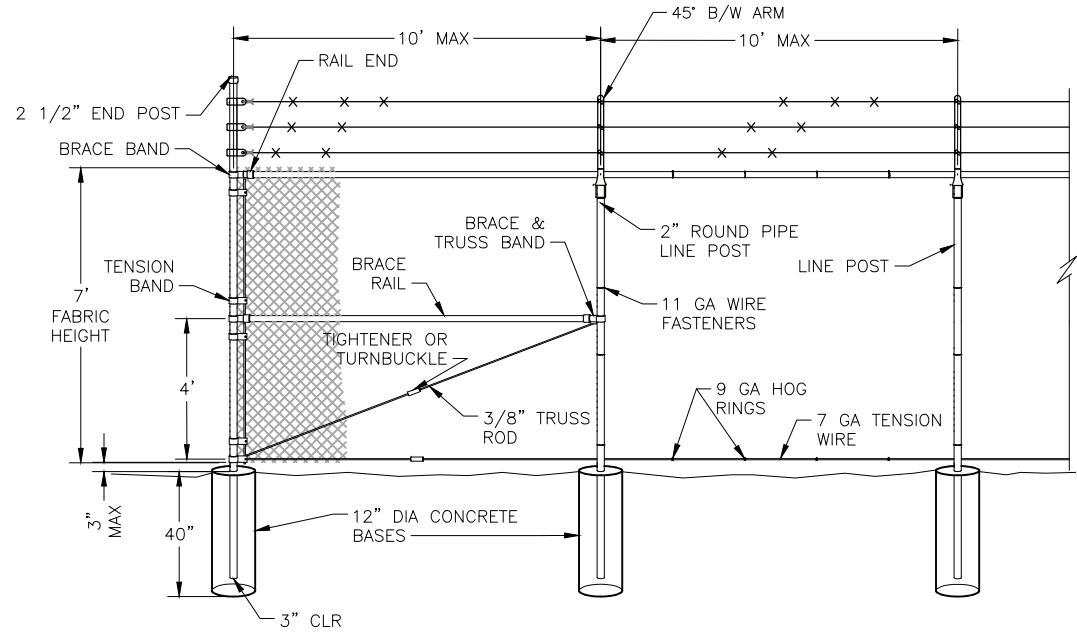
2022/01/26 11:48 AM By: Andrew Hood N:\Projects\102 Widefield Water And San\102.125 Rolling Hills Pump Station Drawings\Working\02-Civil\102.125_Civil.dwg

(3) STRANDS OF BARBED WIRE
EACH CONSIST OF 2 STRAND
LINE WIRE 4/4 POINT BARBS

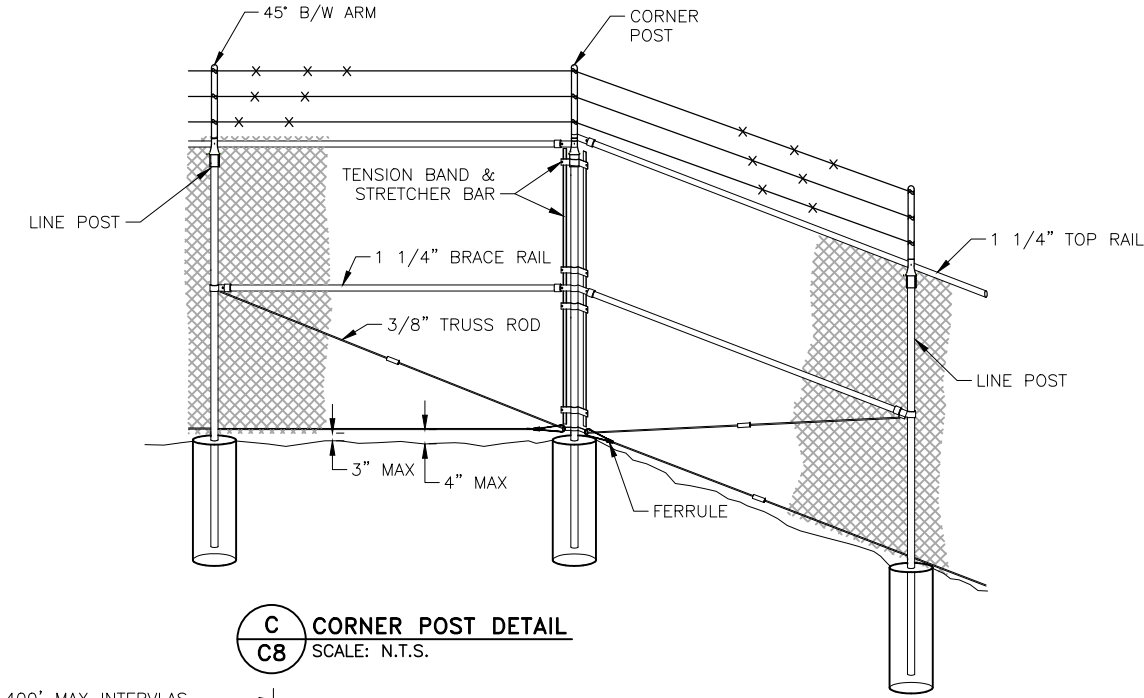


A DOUBLE GATE
C8 SCALE: N.T.S.

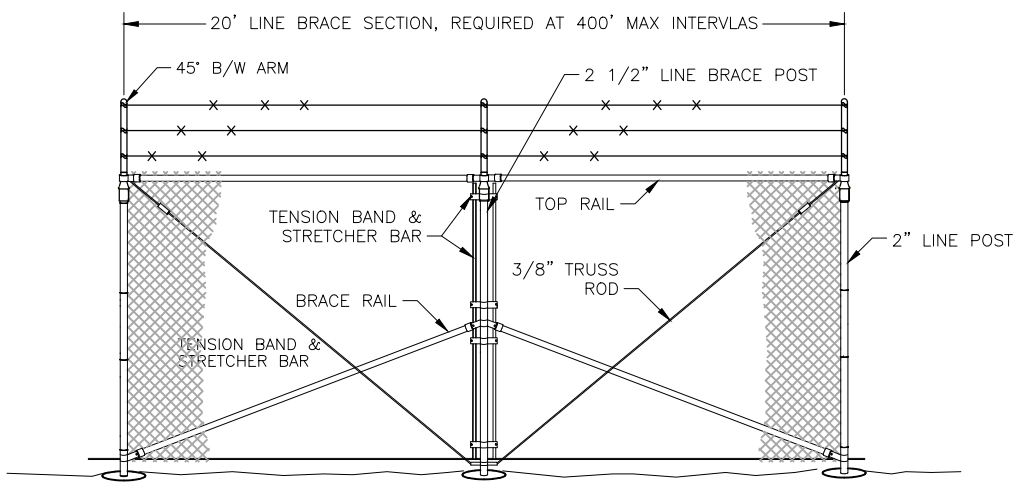
- NOTES:**
1. CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181.
 2. CHAIN LINK FABRIC SHALL BE 2" MESH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND TIE CLIPS SHALL BE NO. 11 GAGE (W&M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B&S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.
 3. STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO AASHTO M 181 TYPE 1, GRADE 1, OR GRADE 2.
 4. TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.
 5. TENSION WIRE SHALL BE AS SPECIFIED IN AASHTO M 181.
 6. CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE CLASS A, AX, OR B.
 7. CHAIN LINK FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNUCKLED ON THE BOTTOM SELVAGE.
 8. ATTACH FABRIC TO ALL FENCE AND GATE STRUCTURES AT 12" INTERVALS VERTICALLY AND AT 20" HORIZONTALLY.



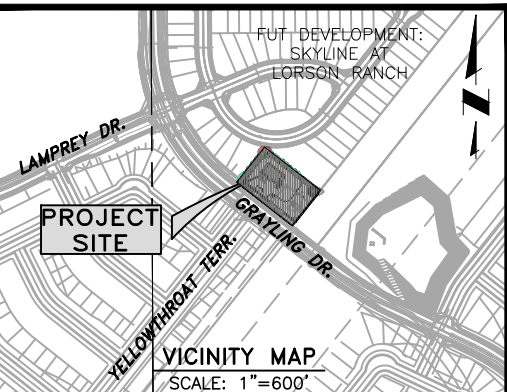
B END POST DETAIL
C8 SCALE: N.T.S.



C CORNER POST DETAIL
C8 SCALE: N.T.S.



D LINE BRACE POST DETAIL
C8 SCALE: N.T.S.



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WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ALT. LANDSCAPE/SITE IMPROVEMENT DETAILS

NO.	DESCRIPTION	BY	APP.	DATE
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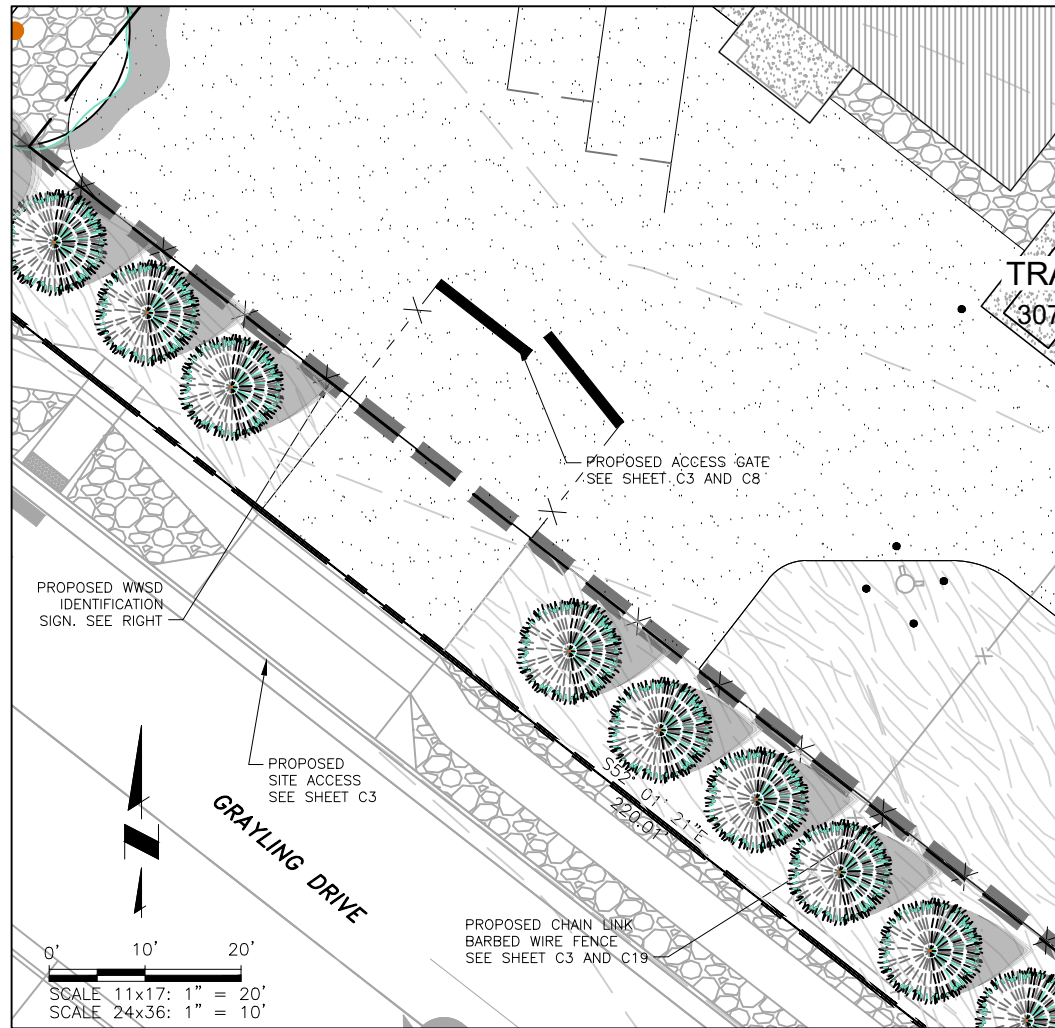
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Project No.: 102.125
Date: 1/26/22
Design: GGM
Drawn: GGM
Check: GJD

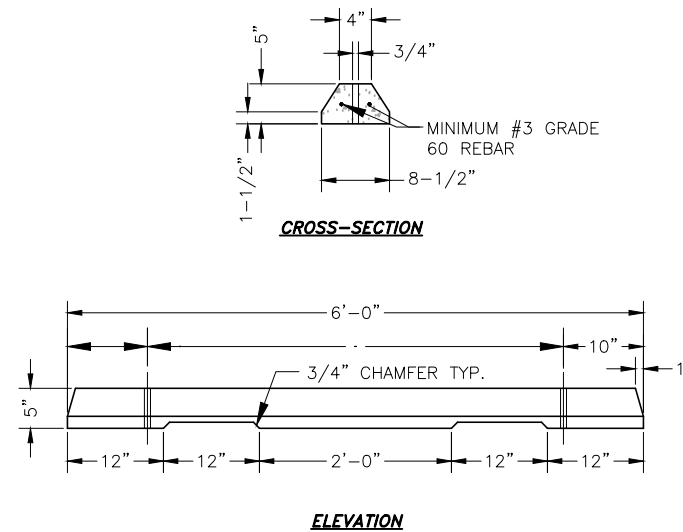
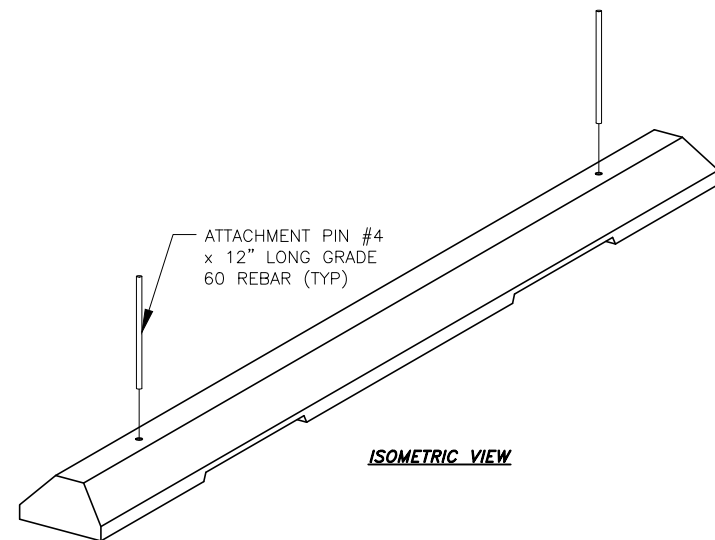
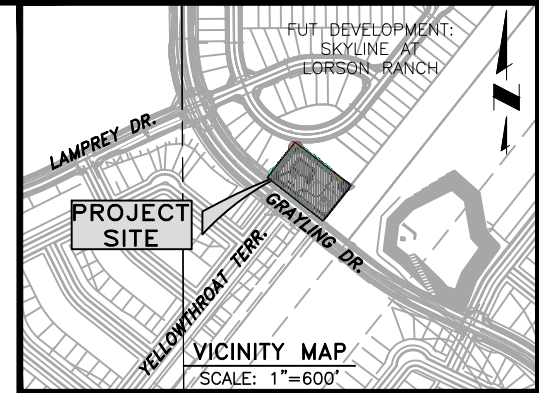
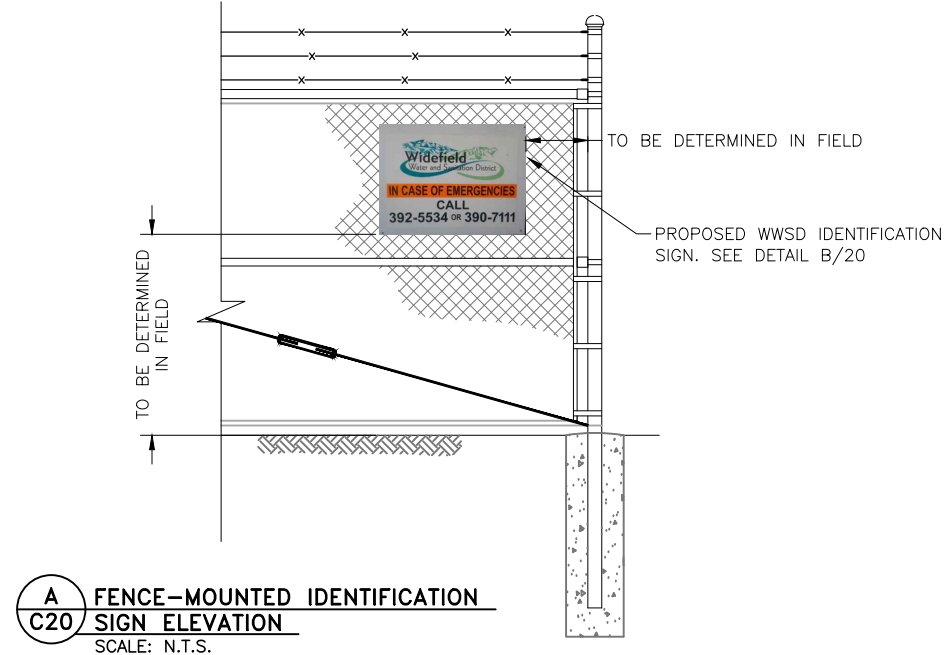
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IDENTIFICATION SIGN PLAN



JDS-HYDRO CONSULTANTS, INC.
5640 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
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WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ALT. LANDSCAPE/SITE IMPROVEMENT DETAILS

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FOR REVIEW

Project No.: 102.125
Date: 1/26/22
Design: GGM
Drawn: ACH
Check: GJD

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SHEET --- OF ---

NOTE:
DISTRICT IDENTIFICATION SIGNAGE TO BE INSTALLED ON FENCE PER PLANS. KNOXBOX INSTALLED ON GATE FOR FIRE DEPARTMENT ACCESS.

2022/03/07 2:53 PM By: Andrew Hood N:\Projects\102 Widefield Water And San\102-25 Rolling Hills Pump Station Drawings\Working\07-ELECTRICAL\102-25-Electrical.dwg

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

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
	S SINGLE POLE SWITCH
	S2 DOUBLE POLE SWITCH
	S3 THREEWAY SWITCH
	S4 4 - WAY SWITCH
	Sg SWITCH FOR FIXTURES MARKED "g"
	Sd DIMMER SWITCH
	Sc GLOW IN OFF POSITION SWITCH
	Sk KEYED SWITCH
	Sp PILOT LIGHT SWITCH
	Sm MOTOR-STARTING SWITCH, WITHOUT OVERLOAD PROTECTION
	Smxx MOTOR-STARTING SWITCH (for misc designation; HT, DDC, etc)
	Sxx SWITCH (for misc designation; S3a, S3b, etc)
	SB PUSHBUTTON SWITCH
	ESB EMERGENCY STOP SWITCH
	SR SINGLE RECEPTACLE
	DR DUPLEX RECEPTACLE
	DDR DOUBLE DUPLEX RECEPTACLE
	GFCI GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX RECEPTACLE
	GFCI DOUBLE DUPLEX RECEPTACLE (TWO EACH GFCI RECEPTACLES)
	DRIG DUPLEX RECEPTACLE W/ ISOLATED GROUND
	SRW SWITCHED RECEPTACLE
	SPR SPECIAL PURPOSE RECEPTACLE; Nemo Type As Shown
	JB JUNCTION BOX
	M MOTOR
	MC MANUAL CONTROLLER, WITH OVERLOAD PROTECTION
	MS MAGNETIC MOTOR STARTER OR VFD AS NOTED
	MSD COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT
	DSN DISCONNECT SWITCH NON-FUSED
	DSF DISCONNECT SWITCH FUSED
	ECB ENCLOSED CIRCUIT BREAKER
	MCB MAGNETIC CONTACTOR
	MSO METER SOCKET
	PB PANELBOARD
	MP 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.
	T THERMOSTAT
	TO TELECOMMUNICATIONS OUTLET [TELEPHONE OUTLET]
	TOF TELECOMMUNICATIONS OUTLET FLOOR BOX [TELEPHONE OUTLET]
	TOU TELECOMMUNICATIONS OUTLET
	TOU TELECOM. OUTLET (see Telecommunication Faceplate Schedule)
	COU COMPUTER OUTLET (NUMBER OF JACKS INDICATED, TYPE RJ-45)
	2 TELEPHONE & 2 COMPUTER JACKS, TYPE RJ-45
	GEI GROUNDING ELECTRODE CONNECTION
	HWC HARD-WIRED EQUIPMENT CONNECTION
NOT ALL SYMBOLS ARE USED	

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

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. 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, 120 V.	LED	COOPER	OUTDOOR SURFACE WALL	XTOR1B-W	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	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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WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 ELECTRICAL ABBREVIATIONS, LEGEND, AND SCHEDULES

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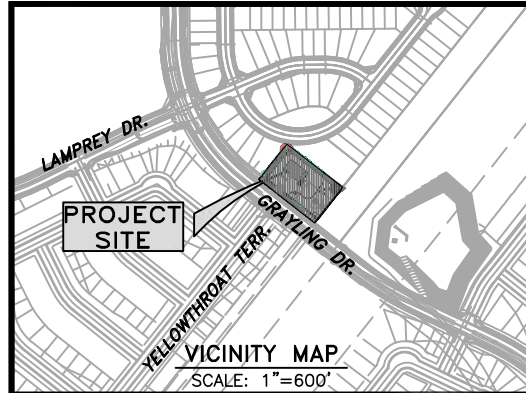
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Project No: 102.125
 Date: 03/07/22
 Design: RDP
 Drawn: ACH
 Check: GJD

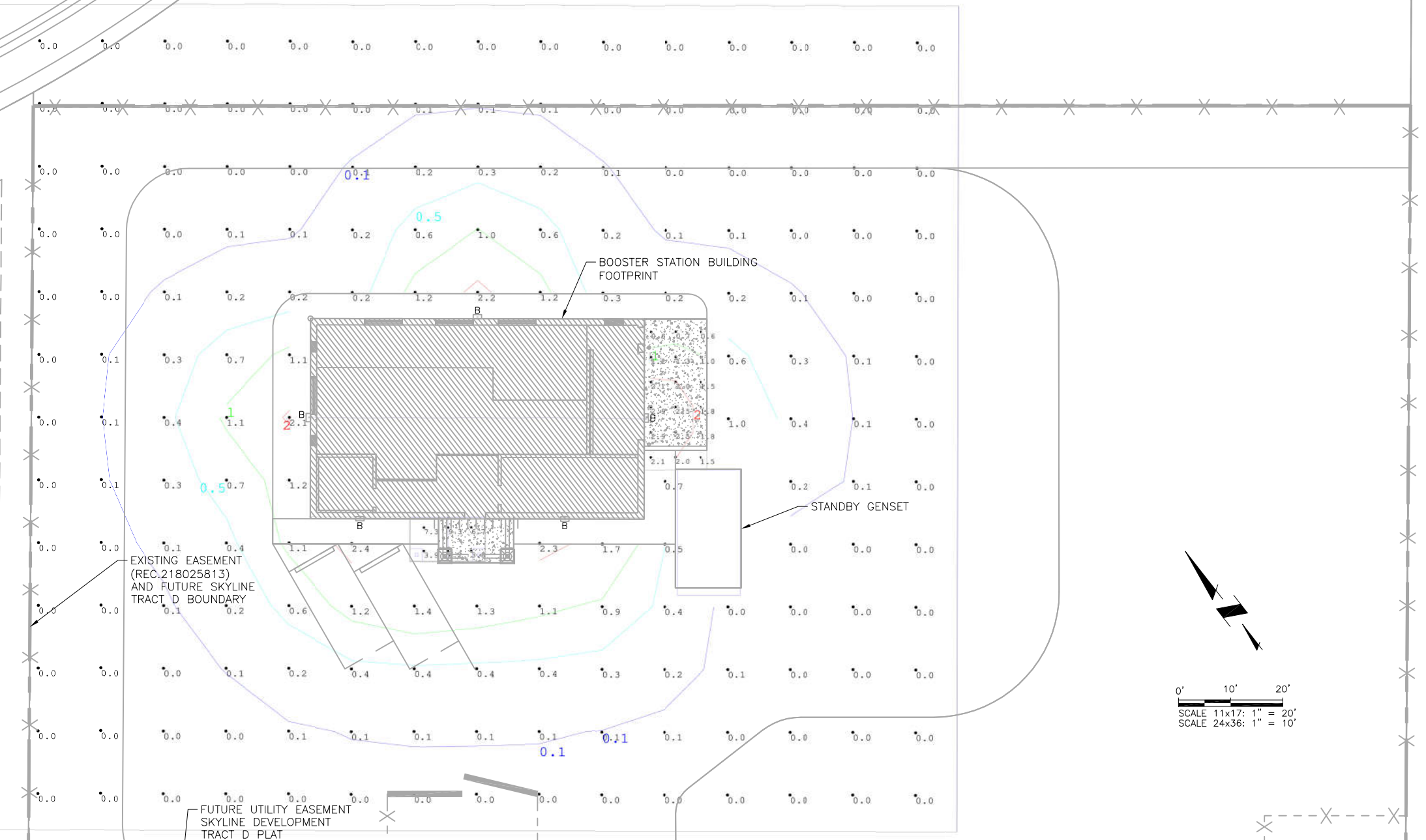
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LUMINAIRE SCHEDULE								
TYPE	DESCRIPTION	LAMP	MANUF.	MOUNT.	CAT. NO.	VA	LUM.	COLOR (K)
B	WALL PACK, FULL CUTOFF OPTICS, CAST ALUMINUM HOUSING, WEATHER SEALED HOUSING, PROTECTIVE GLASS LENS W/ GASKET, INTEGRAL SURGE PROTECTION, 120 V.	LED	COOPER	OUTDOOR SURFACE WALL 14.5FT AFG (UON)	XTOR1B-W	12	1396	4000



Portico Floor
 Illuminance (Fc)
 Average = 6.20
 Maximum = 9.3
 Minimum = 3.8
 Avg/Min Ratio =
 Max/Min Ratio =

Loading Ramp
 Illuminance (Fc)
 Average = 1.72
 Maximum = 2.9
 Minimum = 0.6
 Avg/Min Ratio =
 Max/Min Ratio =

Gravel Area
 Illuminance (Fc)
 Average = 0.24
 Maximum = 2.4
 Minimum = 0.0
 Avg/Min Ratio =
 Max/Min Ratio =

PROPERTY ADDRESS:
 11208 GRAYLING DRIVE, COLORADO SPRINGS, CO

OWNER/APPLICANT NAME:
 WIDEFIELD WATER AND SANITATION DISTRICT
 ROB BANNISTER P.E., DISTRICT ENGINEER
 PH# (719)955-6118
 EMAIL: ROB@WWSDONLINE.COM

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

GRAYLING DRIVE
 (60' R.O.W.), MINOR RES.
 COLLECTOR, PUBLIC

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WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 ELECTRICAL LUMINAIRE PLAN

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Project No: 102.125
 Date: 03/07/22
 Design: RDP
 Drawn: ACH
 Check: GUD

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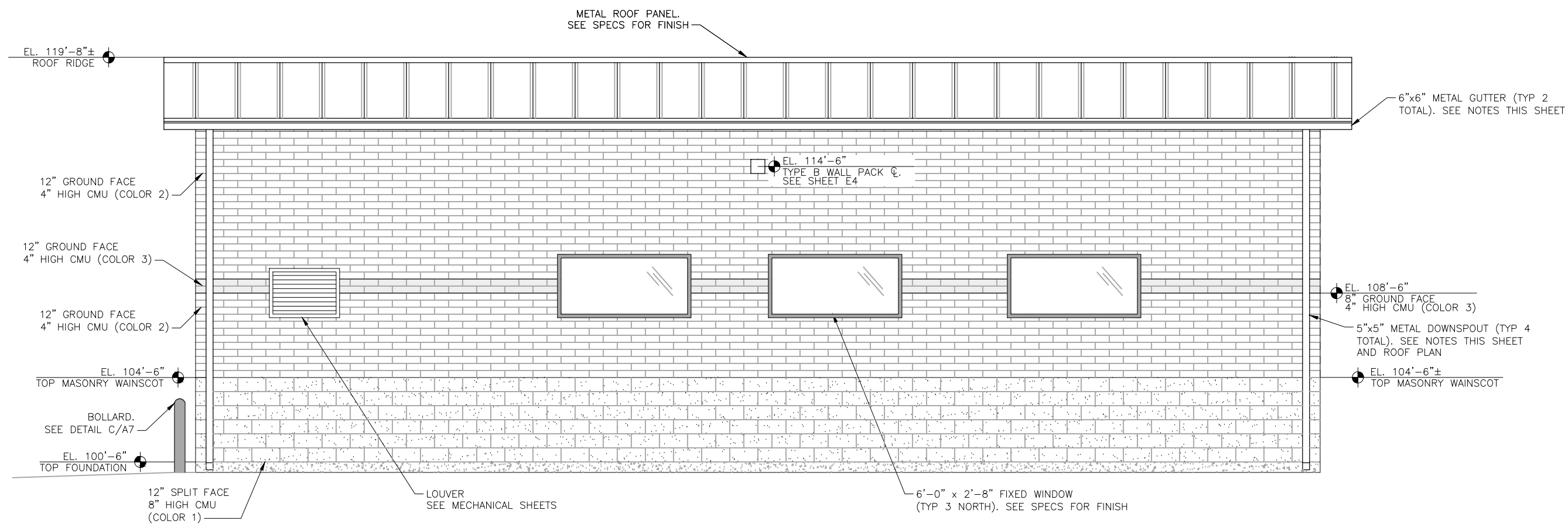
WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS BOOSTER PUMP STATION
 ARCHITECTURAL
 NORTH AND WEST ELEVATIONS

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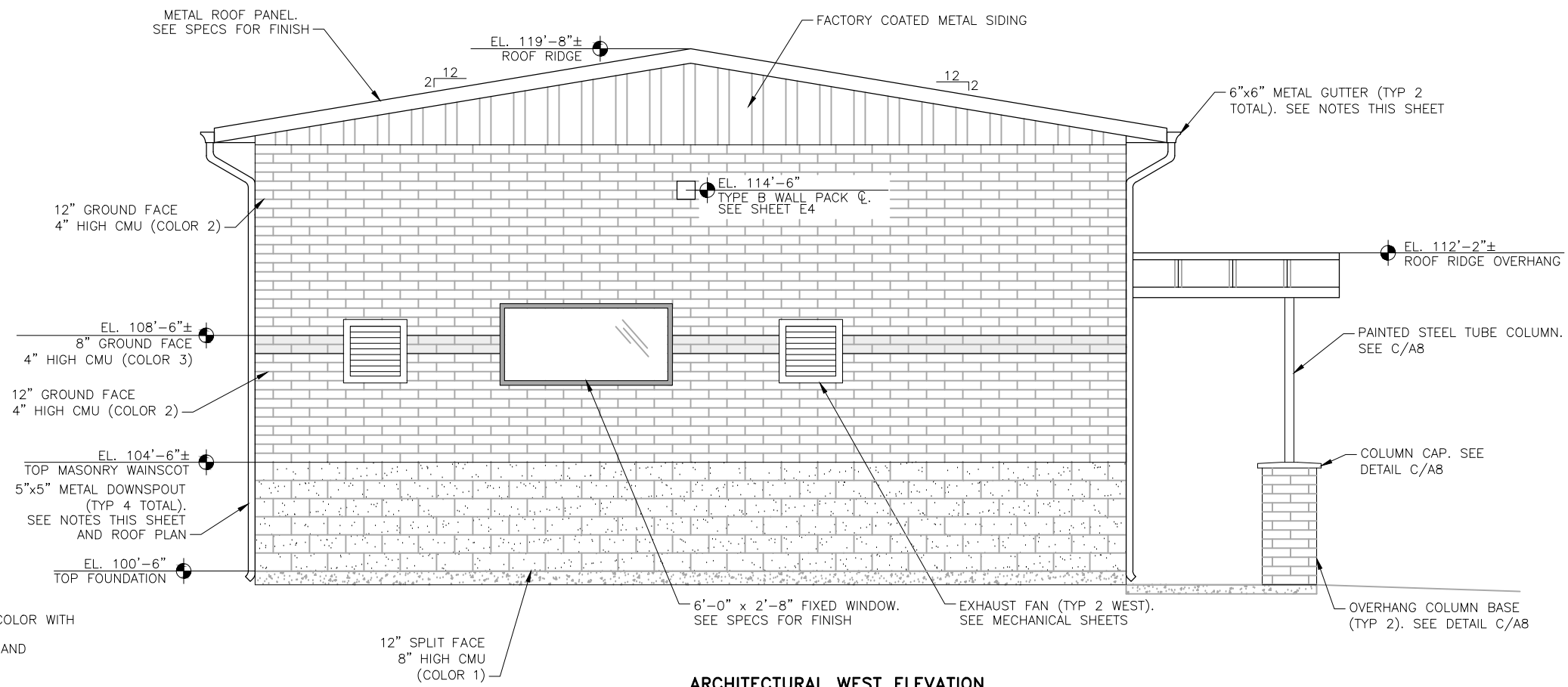
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Project No.: 102.125
 Date: 03/08/22
 Design: GGM
 Drawn: ACH
 Check: GJD

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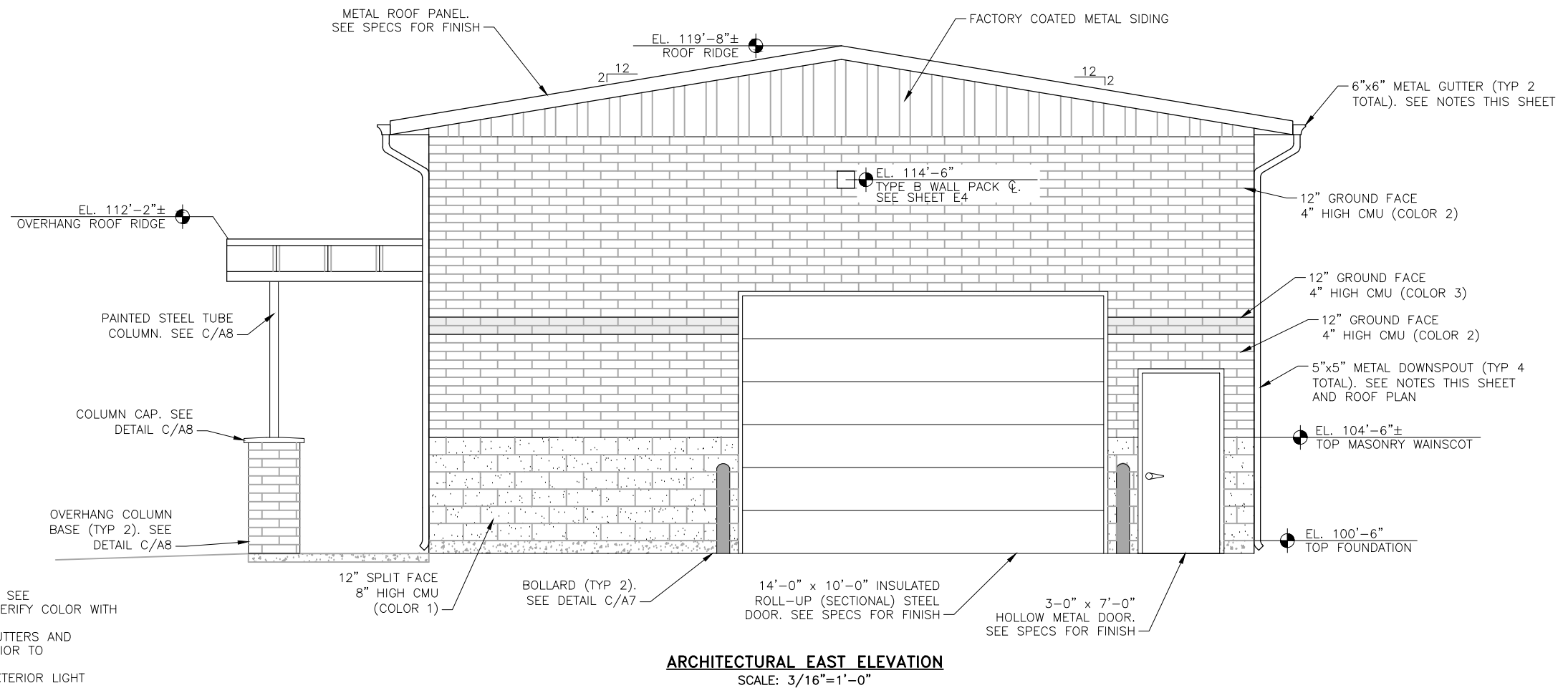
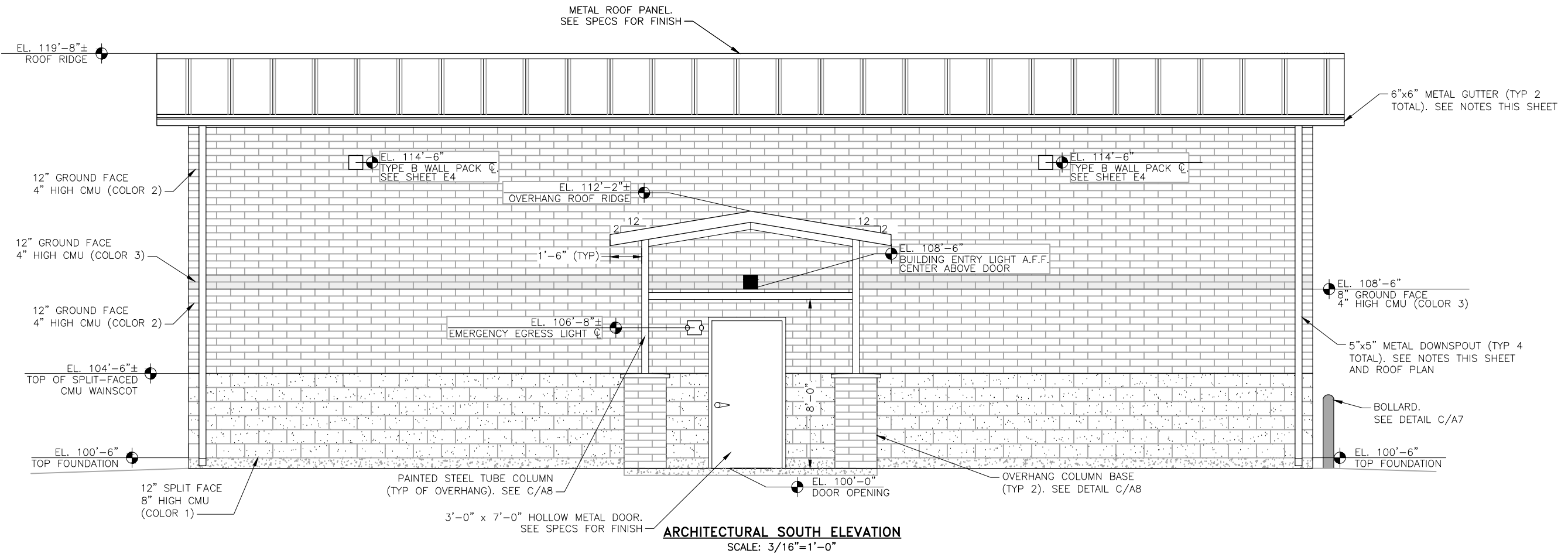
ARCHITECTURAL NORTH ELEVATION
SCALE: 3/16"=1'-0"



ARCHITECTURAL WEST ELEVATION
SCALE: 3/16"=1'-0"

- NOTES:**
- OWNER TO SELECT ALL COLORS. SEE SPECIFICATIONS FOR FINISHES. VERIFY COLOR WITH OWNER PRIOR TO FABRICATION.
 - SUBMIT SHOP DRAWINGS FOR GUTTERS AND DOWNSPOUTS FOR APPROVAL PRIOR TO FABRICATION.
 - SEE ELECTRICAL SHEETS FOR EXTERIOR LIGHT FIXTURE LOCATIONS.
 - CONTRACTOR TO INSTALL RIDGE VENT ACROSS ENTIRE ROOF RIDGE.
 - FINISHED FLOOR ELEVATION VARIES. SEE SHEET A1.

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WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS BOOSTER PUMP STATION
ARCHITECTURAL
SOUTH AND EAST ELEVATIONS

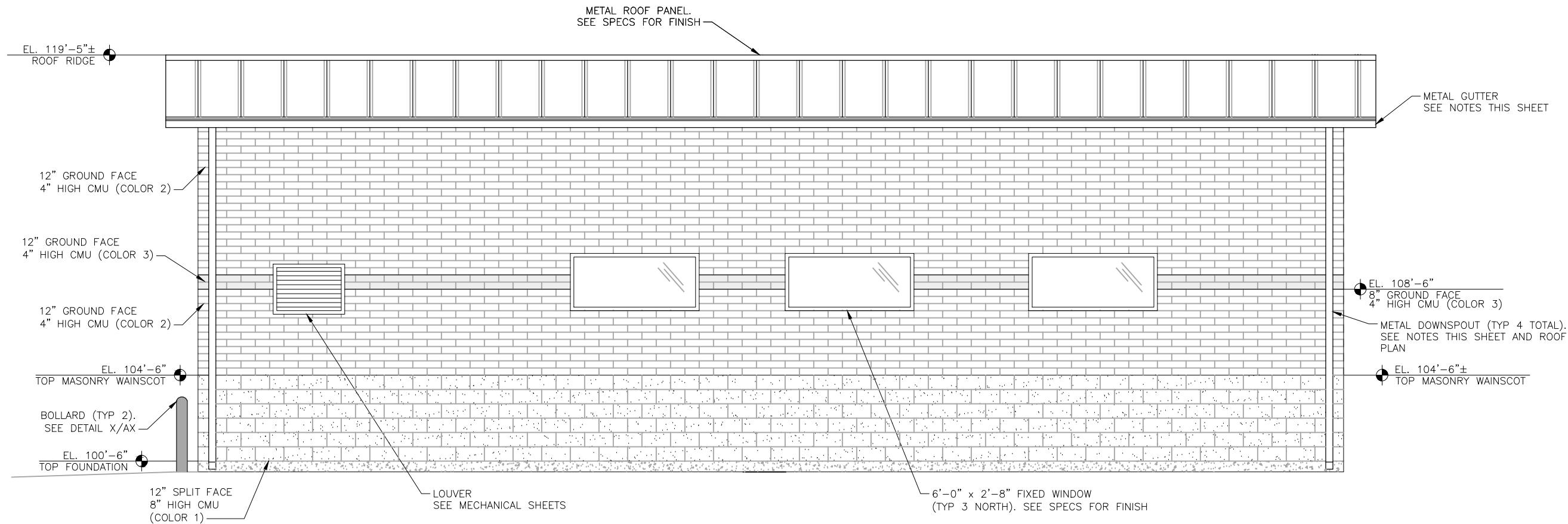
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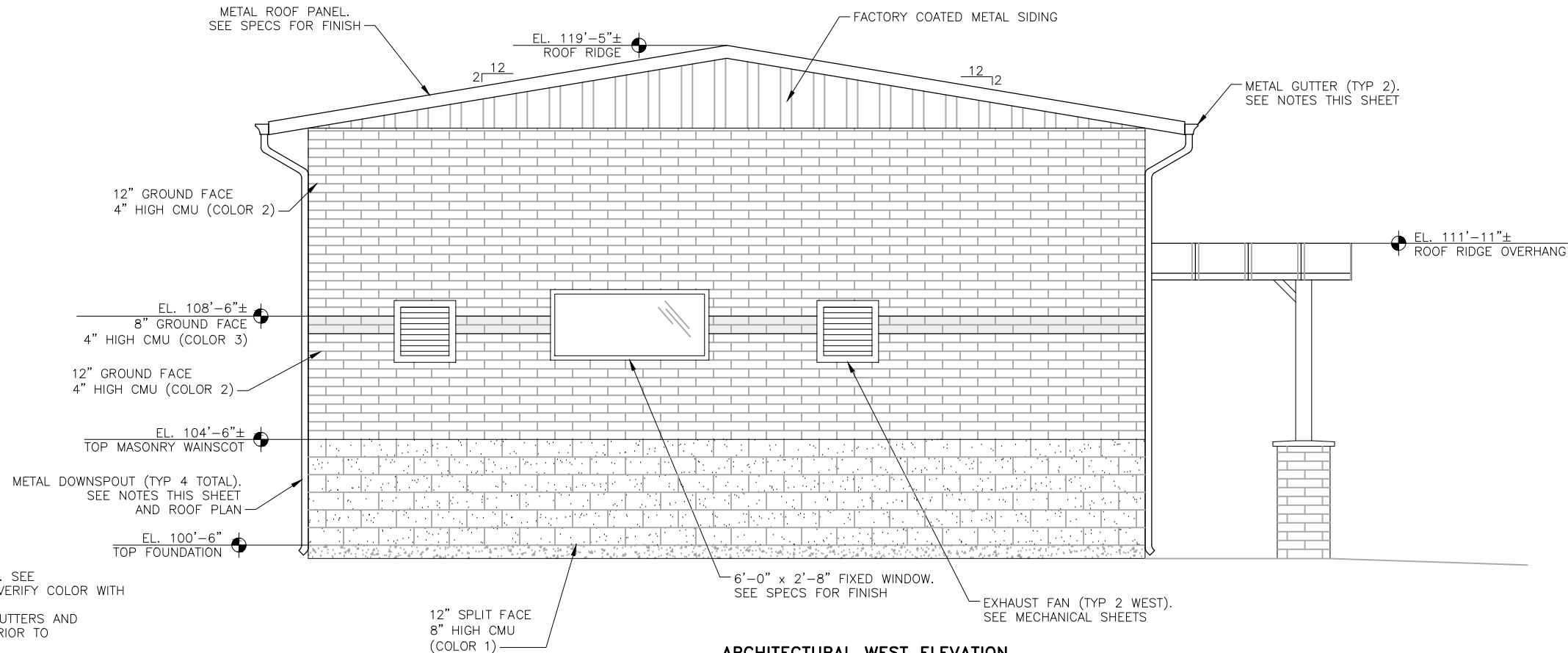
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ARCHITECTURAL NORTH ELEVATION
SCALE: 3/16"=1'-0"



ARCHITECTURAL WEST ELEVATION
SCALE: 3/16"=1'-0"

NOTES:

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3. SEE ELECTRICAL SHEETS FOR EXTERIOR LIGHT FIXTURE LOCATIONS.
4. CONTRACTOR TO INSTALL RIDGE VENT ACROSS ENTIRE ROOF RIDGE.
5. FINISHED FLOOR ELEVATION VARIES. SEE SHEET A1.

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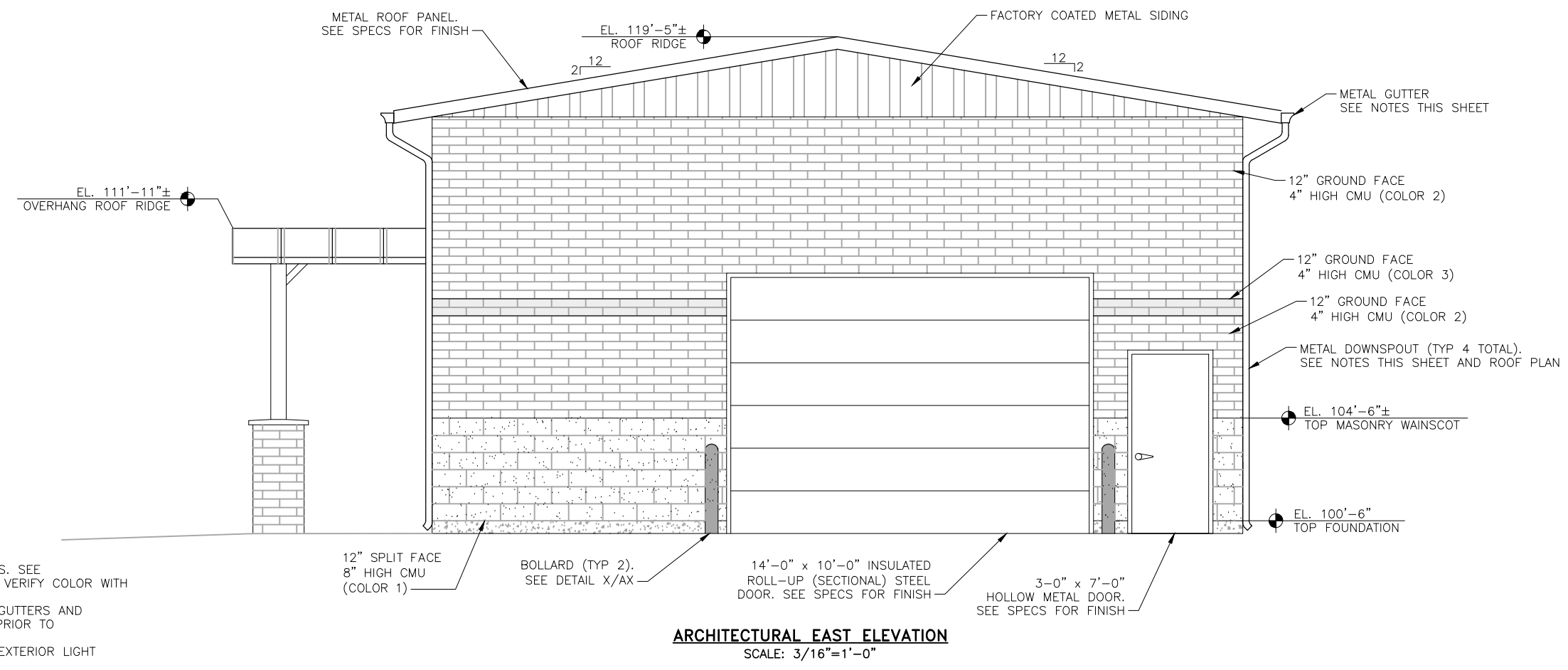
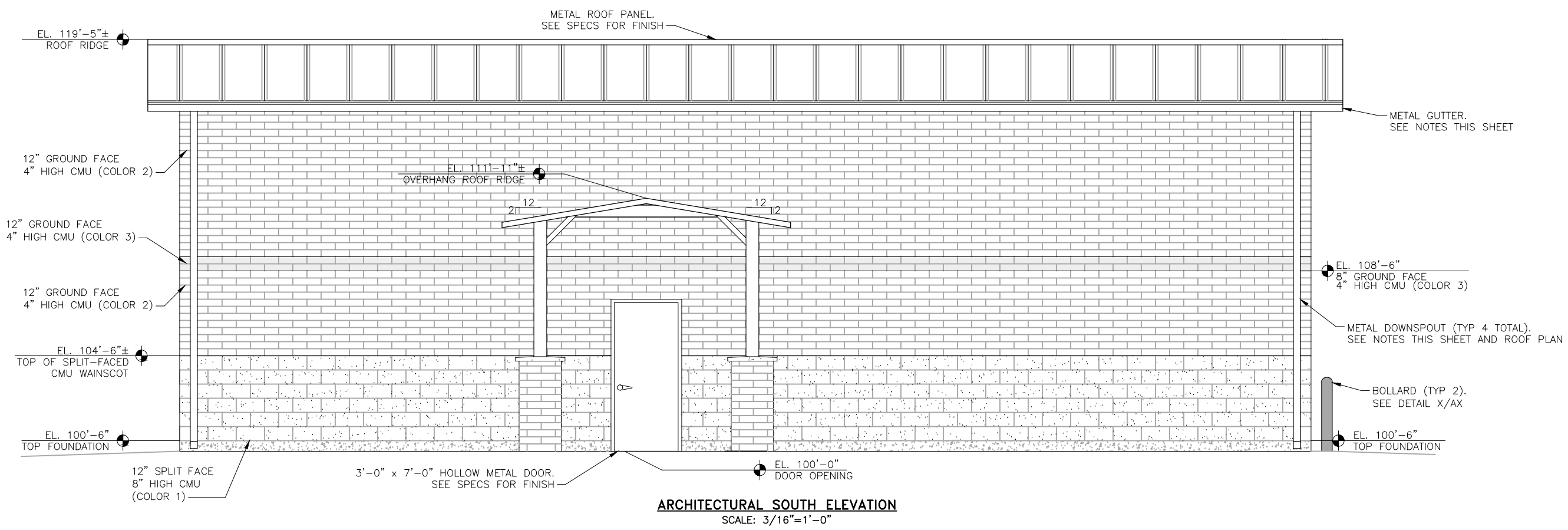
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