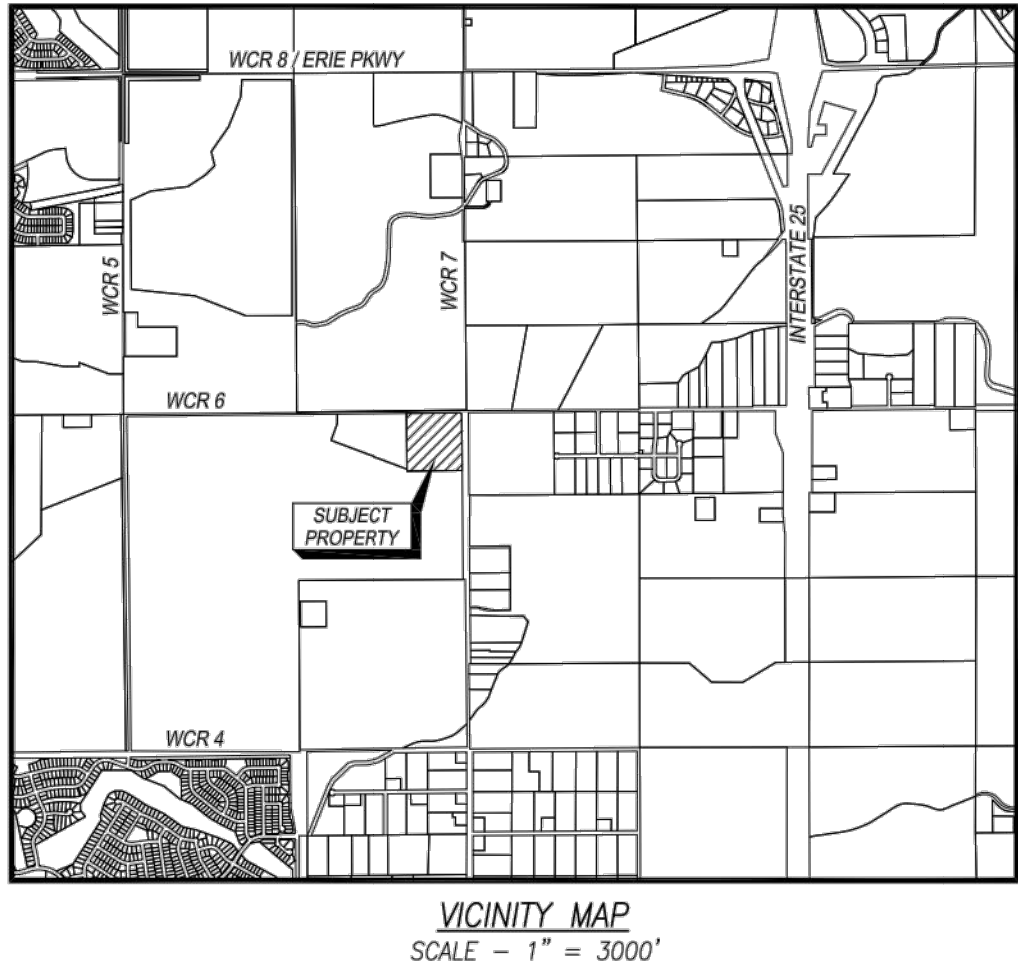


8/27/2019 12:01:59 PM - P:\DENVER OFFICE\ENGINEERING\TRI-STATE\LAZY DOG SUBSTATION\CAD\194-6440 COVER.DWG - LINTZ, ANDREW

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ of NE ¼ OF SECTION 28,TOWNSHIP 1 NORTH, RANGE 68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
SITE PLAN - SP-001053-2019
SPECIAL REVIEW USE - SRU-001054-2019

SITE DATA SUMMARY CHART LAZY DOG SUBSTATION PROJECT ADDRESS: TO BE ISSUED ZONE DISTRICT: PUBLIC LANDS AND INSTITUTIONS		
ITEM	SQUARE FOOTAGE	% OF GROSS SITE
GROSS SITE AREA (8 ACRES)	348,480	100
GROSS DISTURBANCE AREA	246,410	
<ul style="list-style-type: none">BUILDING FOOTPRINT (NA)ACCESS ROADSUBSTATION YARD/EQUIPMENT AREA	0 30,292 86,339	0% 8.7% 24.8%
HARDSCAPE TOTAL	116,631	33.5%
<ul style="list-style-type: none">PLANTED AREAEXISTING VEGETATION (UNDISTURBED GRASSLAND)TRAILS AND SIDEWALKS (NA)DETENTION BASIN AND RIPRAP	89,066 97,108 0 45,675	25.6% 27.9% 0% 13.1%
LANDSCAPE TOTAL (SEE SHEET 04 FOR ADDITIONAL DETAIL)	231,849	66.5%
ITEM	DESCRIPTION	
BUILDING SIZE: NA	NO OCCUPIED BUILDINGS PROPOSED	



APPLICANT
UNITED POWER
500 COOPERATIVE WAY
BRIGHTON, CO 80603
303-637-1234
STEVE BARWICK
IN COORDINATION WITH TRI-STATE GENERATION
AND TRANSMISSION ASSOCIATION, INC.

PLANNER
TETRA TECH
216 16TH ST, SUITE 1500
DENVER, CO 80202
303-291-6299
JENNIFER CHESTER

SURVEYOR
ACKLAM, INC.
133 S. 27TH AVE.
BRIGHTON, CO 80601
720-685-5913
H. LAWRENCE SINCO, PLS

SUBSTATION ENGINEER
TRI-STATE GENERATION AND
TRANSMISSION ASSOCIATION, INC.
1100 WEST 116TH AVENUE
WESTMINSTER, CO 80234
303-254-1988
SCOTT MEREDITH

SUBSTATION ENGINEER
UNITED POWER
500 COOPERATIVE WAY
BRIGHTON, CO 80603
303-637-1391
ROBERT MAXWELL

LANDSCAPE ARCHITECT
REDLAND CONSULTING GROUP, INC.
1500 WEST CANAL COURT
LITTLETON, CO 80120
720-283-6783 X151
BRICE BRADLEY

PROPERTY DESCRIPTION

ALL OF THAT PARCEL OF LAND KNOWN AS TRACT A OF FRONT RANGE LANDFILL MINOR SUBDIVISION PLAT, ACCORDING TO THE MAP OR PLAT THEREOF FILED FOR RECORD IN THE OFFICE OF THE WELD COUNTY CLERK AND RECORDER AT RECEPTION NUMBER 3722553. SAID TRACT A IS LOCATED IN THE NORTHEAST ONE-QUARTER OF SECTION 28, TOWNSHIP 1 NORTH, RANGE 68 WEST OF THE 6TH PRINCIPAL MERIDIAN, TOWN OF ERIE, COUNTY OF WELD, STATE OF COLORADO, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 28, AS MONUMENTED BY A 2 INCH ALUMINUM CAP MARKED "PLS 25937"; THENCE ALONG THE NORTH LINE OF SAID NORTHEAST ONE QUARTER OF SECTION 28, SOUTH 89°23'50" WEST, A DISTANCE OF 933.46 FEET; THENCE SOUTH 00°36'10 EAST, DEPARTING THE NORTH LINE OF SAID NORTHEAST ONE-QUARTER OF SECTION 28, A DISTANCE OF 40.00 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF SAID TRACT A, SAID NORTHWEST CORNER ALSO BEING ON THE SOUTH LINE OF A 40.00 FOOT RIGHT-OF-WAY DEDICATED ON SAID MINOR SUBDIVISION PLAT AND THE POINT OF BEGINNING;

THENCE NORTH 89°23'50" EAST, ALONG THE NORTH LINE OF SAID TRACT A, A DISTANCE OF 833.41 FEET;

THENCE ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 47.15 FEET, A CENTRAL ANGLE OF 90°02'41", AND A CHORD BEARING AND DISTANCE OF SOUTH 45°34'50" EAST, 42.44 FEET;

THENCE SOUTH 00°33'29" EAST, ALONG THE EAST LINE OF SAID TRACT A, SAID LINE ALSO BEING THE WEST LINE OF A 70.00 FOOT RIGHT-OF-WAY DEDICATED ON SAID MINOR SUBDIVISION PLAT, A DISTANCE OF 863.36 FEET;

THENCE SOUTH 89°23'50" WEST, ALONG THE SOUTH LINE OF SAID TRACT A, A DISTANCE OF 863.43 FEET;

THENCE NORTH 00°33'29" WEST, ALONG THE WEST LINE OF SAID TRACT A, A DISTANCE OF 893.38 FEET TO THE POINT OF BEGINNING.

THE TOTAL AREA OF THE ABOVE DESCRIBED PARCEL IS 17.704 ACRES (771,178 SQUARE FEET) OF LAND, MORE OR LESS.

MARK	DATE	DESCRIPTION	BY
A	01/29/19	1ST SUBMITTAL TO TOWN OF ERIE	ENM
B	02/22/19	2ND SUBMITTAL REFERRAL AGENCY REVIEW	ENM
C	06/03/19	3RD SUBMITTAL REFERRAL AGENCY RESPONSE	AML
D	08/20/19	4TH SUBMITTAL TOWN OF ERIE REVIEW	AML

LAZY DOG SUBSTATION	Project No.: 194-6440
	Designed By: ENM
	Checked By: AML
	Approved By: AML
COVER SHEET	01
	SHT 1 OF 11

TETRA TECH

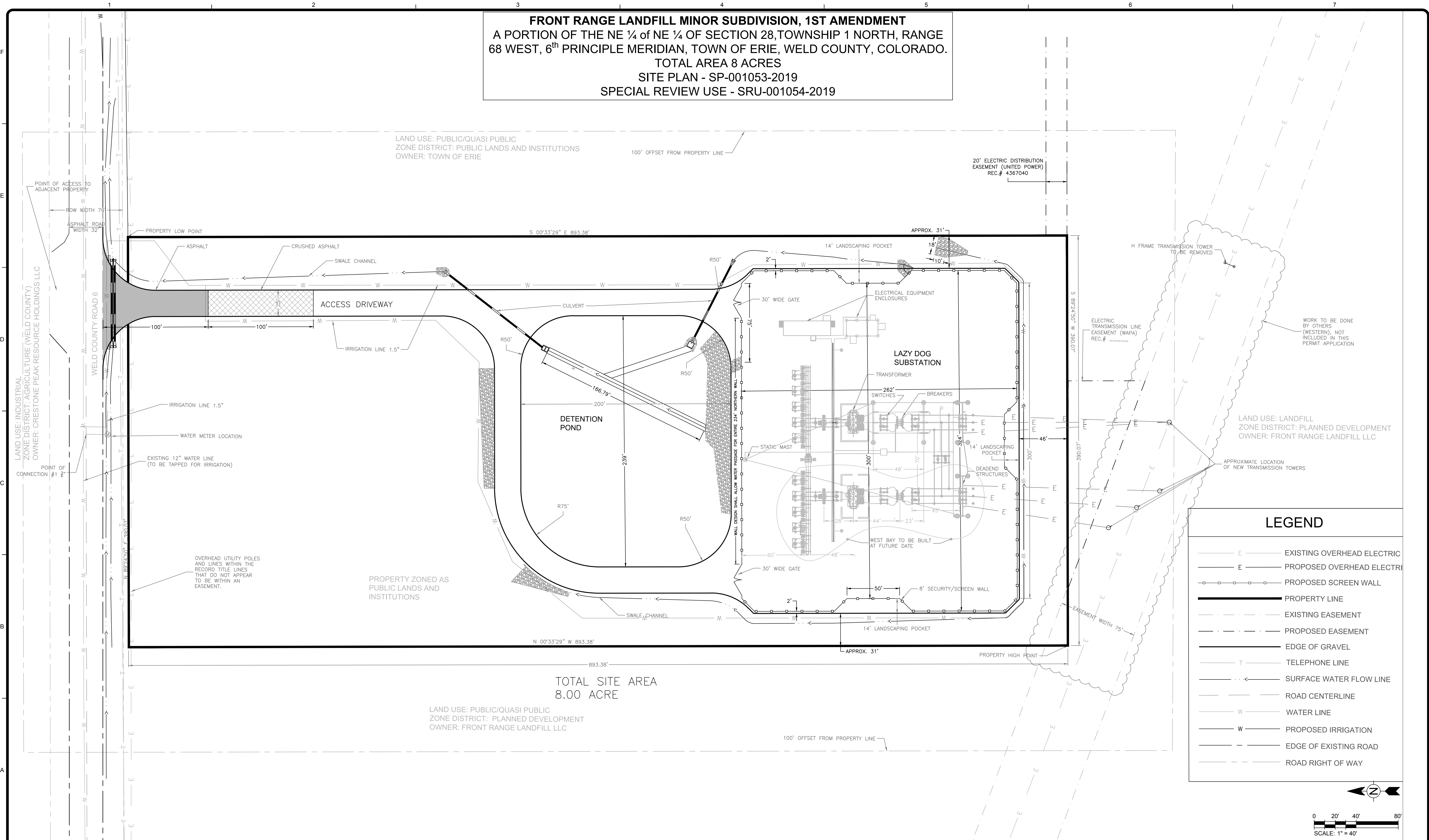
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FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ of NE ¼ OF SECTION 28, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
SITE PLAN - SP-001053-2019
SPECIAL REVIEW USE - SRU-001054-2019



- SITE PLAN NOTES:
1. THE FEMA 100-YEAR FLOODPLAIN IS NOT WITHIN THE PROPERTY BOUNDARY
 2. NO MAJOR DRAINAGE WAYS WITHIN PROPERTY BOUNDARIES
 3. NEAREST MAJOR DRAINAGE WAY IS APPROXIMATELY 1000' SOUTH OF PROPERTY
 4. LAZY DOG SUBSTATION IS A PRIVATE FACILITY AND WILL REQUIRE NO PARKING SPACES
 5. MAINTENANCE VEHICLES WILL PARK ON GRAVEL AREA INSIDE FENCE WHEN ON SITE
 6. FOR GRADING CONTOURS SEE SHEET 08 GRADING AND DRAINAGE PLAN
 7. NATIONAL ELECTRIC SAFETY CODE MANDATES THAT HIGH VOLTAGE WARNING SIGNS ARE POSTED AT THE FACILITY. THESE SIGNS ARE APPROXIMATELY 2' X 2' IN SIZE AND WILL BE PLACED AT EACH GATE AND ALONG EACH SIDE OF THE SCREEN WALL. SIGNS WILL ALSO BE PLACED ON EACH GATE IDENTIFYING THE SUBSTATION NAME AND PROVIDING CONTACT INFORMATION FOR UNITED POWER AND TRI-STATE.



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DENVER, CO 80202
PHONE: (303) 291-6299

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C	05/29/19	3RD SUBMITTAL REFERRAL AGENCY RESPONSE	AML
D	08/26/19	4TH SUBMITTAL TOWN OF ERIE REVIEW	AML

LAZY DOG SUBSTATION	Project No.: 194-6440
	Designed By: ENM
	Checked By: AML
	Approved By: AML
SITE PLAN	03
	SHT 3 OF 11

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ of NE ¼ OF SECTION 28, TOWNSHIP 1 NORTH, RANGE
68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
SITE PLAN - SP-001053-2019
SPECIAL REVIEW USE - SRU-001054-2019

PLANT LEGEND

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTE
DECIDUOUS TREES					
COC	5	CELTIS OCCIDENTALIS	WESTERN HACKBERRY	2.5" CAL	B&B
GDI	5	GYNMOCLADUS DIOICUS	KENTUCKY COFFEETREE	2.5" CAL	B&B
TOTAL: 10					
EVERGREEN TREES					
PPO	35	PINUS NIGRA	AUSTRIAN PINE	6"	B&B
TOTAL: 35					
DECIDUOUS SHRUBS					
CNA	23	CHRYSOETHAMNUS NAUSEOSUS	RABBITBRUSH	#5	
PAM	31	PRUNUS AMERICANA	AMERICAN PLUM	#5	
RTR	131	RHUS TRILOBATA	THREE-LEAF SUMAC	#5	
TOTAL: 185					
EVERGREEN SHRUBS					
JSC	62	JUNIPERUS SCOPULORUM	ROCKY MOUNTAIN JUNIPER	#5	
TOTAL: 62					

NOTE: IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN GRAPHIC AND THE LANDSCAPE LEGEND, THE PLANT MATERIAL QUANTITY AS DETERMINED BY THE PLAN GRAPHIC SHALL TAKE PRECEDENCE.

LANDSCAPING SHALL BE PLANTED AND MAINTAINED IN A NEAT, CLEAN AND HEALTHY CONDITION BY THE OWNER. THIS SHALL INCLUDE PROPER PRUNING, MOWING AND AERATION OF LAWNS, REPLACEMENT OF MULCH, WEEDING, REMOVAL OF LITTER AND THE REGULAR WATERING OF ALL PLANTINGS. IRRIGATION SHALL BE MAINTAINED TO MINIMIZE WATER CONSUMPTION. SHOULD ANY PLANT MATERIAL DIE, THE OWNER, SUCCESSOR, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF PLANT(S) WITHIN ONE PLANTING SEASON. REPLACEMENT OF PLANT MATERIALS SHALL OCCUR AT THE FOLLOWING RATE.

TYPE	PLACEMENT REPLACEMENT WITHIN	
	1 YEAR	2+ YEARS
TREE - DECIDUOUS	INCREASE CALIPER BY 1"	INCREASE CALIPER BY 1.5"
TREE - CONIFEROUS	INCREASE HEIGHT BY 1.5'	INCREASE HEIGHT BY 2'
SHRUB	REPLACE WITH PLANTS OF AT LEAST ½ MATURE SIZE	REPLACE WITH PLANTS OF AT LEAST ½ MATURE SIZE

CHAPTER 6: DEVELOPMENT AND DESIGN STANDARDS, SECTION 10.6.4 LANDSCAPING, SCREENING FENCING, 7. NONRESIDENTIAL, b. LANDSCAPE IMPROVEMENTS:
A MINIMUM OF 15 PERCENT OF THE GROSS SITE AREA SHALL BE LANDSCAPED.

GROSS DISTURBANCE AREA	MINIMUM LANDSCAPE AREA (15%)	PROVIDED LANDSCAPE AREA (36.1%)	MINIMUM SHRUBS 1 / 150 SF	MINIMUM TREES 1 / 1,000 SF
246,410 SF	36,962 SF	89,066 SF	247	37

LANDSCAPE NOTES

1. ORGANIC SOIL AMENDMENTS: IN ALL DISTURBED AREAS TO BE LANDSCAPED, WITHIN THE LIMIT OF DEVELOPED AREA, THE CONTRACTOR WILL TILL FOUR (4) CUBIC YARDS OF ORGANIC SOIL AMENDMENT, TO A DEPTH OF SIX (6) INCHES, FOR EACH 1,000 SQUARE FEET OF SOIL PREPARATION, INCLUDING ALL NATIVE SEED, TREE, AND SHRUB PLANTING BEDS IN THEIR ENTIRETY, AS WELL AS ALL TREE LAWNS AND RIGHT-OF-WAYS ADJACENT TO THE PROPERTY. UNDISTURBED AREAS ARE TO BE PROTECTED IN PLACE AND LEFT UNDISTURBED. FOR PROPOSED PLANT MATERIAL OUTSIDE THE LIMIT OF DEVELOPED AREA, AMEND THE BACKFILL SOIL PER THE TREE AND SHRUB DETAIL.

THE ORGANIC SOIL AMENDMENT SHALL BE A CLASS I OR II COMPOST THAT MEETS THE U.S. COMPOSTING COUNCIL'S TESTING REQUIREMENTS. THE COMPOST MUST BE PRODUCED AT A COMPOSTING FACILITY THAT MEETS U.S. EPA 40 CFR 503.13 REQUIREMENTS (TABLES 1 & 3 LEVELS) FOR THE PRODUCTION AND MARKETING OF CLASS A MATERIAL FOR UNRESTRICTED USE AND DISTRIBUTION.

• A-1 ORGANICS (EATON, CO, 970-454-3492) BIOCOMP CLASS 1 COMPOST OR APPROVED EQUAL.

2. ORGANIC FERTILIZER AND SOIL CONDITIONERS: CONTRACTOR WILL UTILIZE GRANULAR ENDO MYCORRHIZAE, BIOSOL FORTE (7-2-1), AND MENELEE GRANULAR HUMATE, OR APPROVED EQUAL, AS PART OF THE PLANTING PROCESS FOR ALL TREES, SHRUBS, AND SEEDING AREAS. FOLLOW APPLICATION RATES AS SPECIFIED BY THE MANUFACTURERS AVAILABLE APPLICATION INSTRUCTION SHEETS OR AS INSTRUCTED BY THE OWNER OR THEIR REPRESENTATIVES. ASSUME POOR SOILS WHEN DETERMINING APPLICATION RATES.

• RECOMMENDED SUPPLIER: ROCKY MOUNTAIN BIO PRODUCTS, 10801 E. 54TH AVENUE DENVER, CO 80239

3. ROCK MULCH:

• REFER TO THE TYPICAL INTERIOR SOUTH YARD SECTION ON SHEET 09 OF THE CIVIL SET FOR MATERIAL SPECIFICATIONS AND INSTALLATION METHODS

4. WEED BARRIER FABRIC: TO BE A NONWOVEN GEOTEXTILE COMPOSED OF POLYPROPYLENE FIBERS.

• RECOMMENDED PRODUCT: MIRAFI 140N, TYPAR 3341, POLYSPUN 300 OR APPROVED EQUAL.

5. WOOD MULCH: MULCH FOR AROUND TREES AND SHRUBS WILL BE "CASCADE CEDAR MULCH", A DISTINCTIVE LOOKING WOOD MULCH MEDIUM BROWN IN APPEARANCE WITH A FINE TEXTURED "HAIR-LIKE" LOOK. THE WOOD FIBERS WILL BE APPROXIMATELY 1 ½" - 3 ½" IN LENGTH AND BE UNIFORM IN APPEARANCE.

MINIMUM DEPTH OF MULCH WILL BE THREE (3) INCHES AROUND THE BASE OF EACH PLANT.

6. LANDSCAPE EDGER: EDGER TO BE 3/16"x6" HOT-DIPPED GALVANIZED METAL EDGING WITH AN INTEGRATED HOT-DIPPED GALVANIZED TAPERED METAL STAKING SYSTEM (4 STAKES PER SECTION). COLOR: BLACK.

• RECOMMENDED PRODUCT: PRO-STEEL - PS3-13 (3/16") OR APPROVED EQUAL.

7. IRRIGATION: ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN ADEQUATE AND COMPLETE COVERAGE AUTOMATIC WATER-EFFICIENT IRRIGATION SYSTEM AS PROVIDED IN SUBSECTION 6.4.E.3 OF THE TOWN OF ERIE UNIFIED DEVELOPMENT CODE, TITLE 10.

WATER EFFICIENCY IN IRRIGATION DESIGN (SUBSECTION 6.4.E.3): ALL REQUIRED LANDSCAPING SHALL BE IRRIGATED AS REQUIRED FOR PLANT ESTABLISHMENT AND MAINTENANCE. IRRIGATION SYSTEMS SHALL BE DESIGNED TO ACHIEVE WATER EFFICIENCY A MAJOR GOAL AND IS ENCOURAGED TO GENERALLY CONFORM TO THE "IRRIGATION DESIGN GUIDELINES" SET FORTH IN SUBSECTION 4.4.4 OF THE PUBLICATION "WATER-EFFICIENT LANDSCAPE DESIGN: A MODEL ORDINANCE FOR COLORADO COMMUNITIES" PUBLISHED BY THE COLORADO DEPARTMENT OF LOCAL AFFAIRS (2004 AND AS AMENDED).

THE IRRIGATION DESIGN INTENT FOR THIS SITE IS TO DRIP IRRIGATE THE SHRUBS AND TREES USING POLY DRIP TUBING (3/4" MINIMUM WIDTH) WITH XERI-BUG DRIP EMITTERS OR APPROVED EQUAL. A WEATHER SENSING DEVICE, MASTER CONTROL VALVE AND FLOW SENSOR WILL BE USED TO MAXIMIZE SYSTEM EFFICIENCIES. NATIVE SEED WILL BE INSTALLED PER CDOT STANDARD SPECIFICATIONS, DIVISION 200, SECTION 212 SEEDING, FERTILIZER, SOIL CONDITIONER, AND SODDING (CURRENT EDITION) AND ALLOWED TO ESTABLISH UTILIZING NATURAL PRECIPITATION. CONTRACTOR WILL WARRANTY SEED INSTALLATION WORK UNTIL 70% COVERAGE IS ACHIEVED.

8. THE LANDSCAPED AREAS, INCLUDING ALL ADJACENT ROW LANDSCAPE, WILL BE MAINTAINED BY THE DEVELOPER OR ASSIGNS.

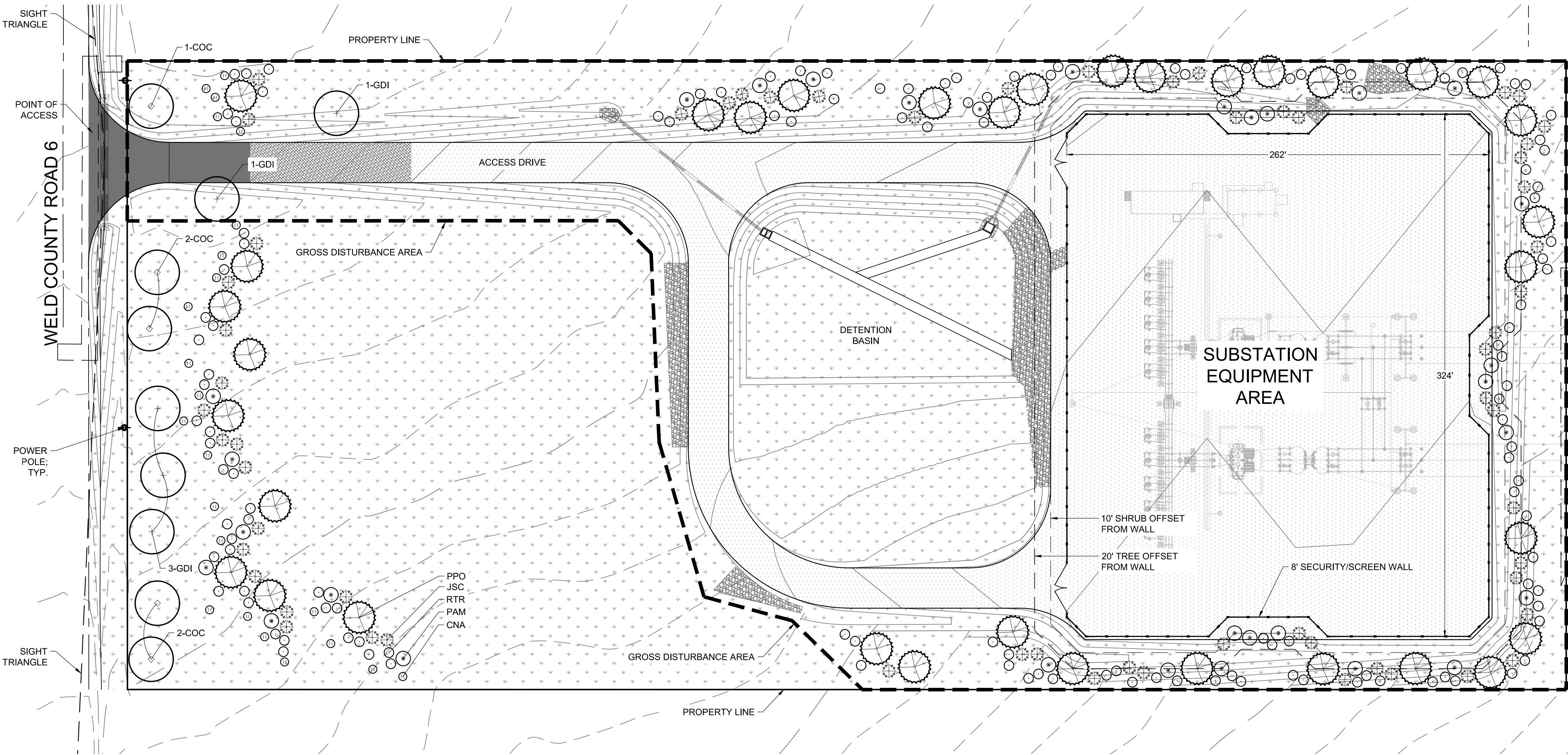
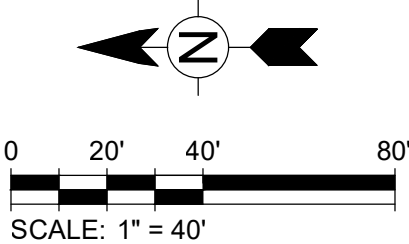
9. THE FACILITY IS PRIVATE AND WILL REQUIRE NO PARKING SPACES.

10. SCREENING REQUIREMENTS FOR THE SUBSTATION AS REQUIRED PER MUNICIPAL CODE TITLE 10-UDC CHAPTER 6 WILL BE MET USING AN 8' SCREEN WALL WITH PLANTING POCKETS AND LANDSCAPING. THE SCREENING IS FURTHER DEPICTED ON THE PHOTOGRAPHIC SIMULATIONS AS THE FINISHED FACILITY WOULD BE SCREENED FROM WELD COUNTY ROADS 6 AND 7.

LEGEND

	PROPERTY LINE
	GROSS DISTURBANCE AREA
	20' TREE CANOPY OFFSET FROM WALL
	EXISTING UNDERGROUND WATER LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	PROPOSED CONTOURS
	EXISTING CONTOURS
	ASPHALT
	CRUSHED ASPHALT
	CRUSHED GRAVEL
	NATIVE SEED
	PROPOSED DECIDUOUS TREE
	PROPOSED EVERGREEN TREE
	PROPOSED SHRUBS

NOTE: SEE SHEET 05 FOR SECURITY/SCREEN WALL AND PLANTING DETAILS.



NOTE:
IF TRANSFORMERS, GROUND MOUNTED HVAC EQUIPMENT, UTILITY PEDESTALS, ETC. ARE NOT SHOWN ON THE SITE IMPROVEMENT PLAN, ADDITIONAL LANDSCAPING/SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DISCOVERED VIA THE SITE INSPECTION BY STAFF, MADE PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, OR FINAL INSPECTION AS APPLICABLE.

LANDSCAPE ARCHITECT:
Redland
WHERE GREAT PLACES BEGIN
720.283.8783 Office
1550 West Canal Court, Littleton, Colorado 80120
REDLAND.COM

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1560 BROADWAY SUITE 1400
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C	05/31/19	3RD SUBMITTAL REFERRAL AGENCY RESPONSE	AML
D	08/23/19	4TH SUBMITTAL TOWN OF ERIE REVIEW	BB

LAZY DOG SUBSTATION

LANDSCAPE PLAN

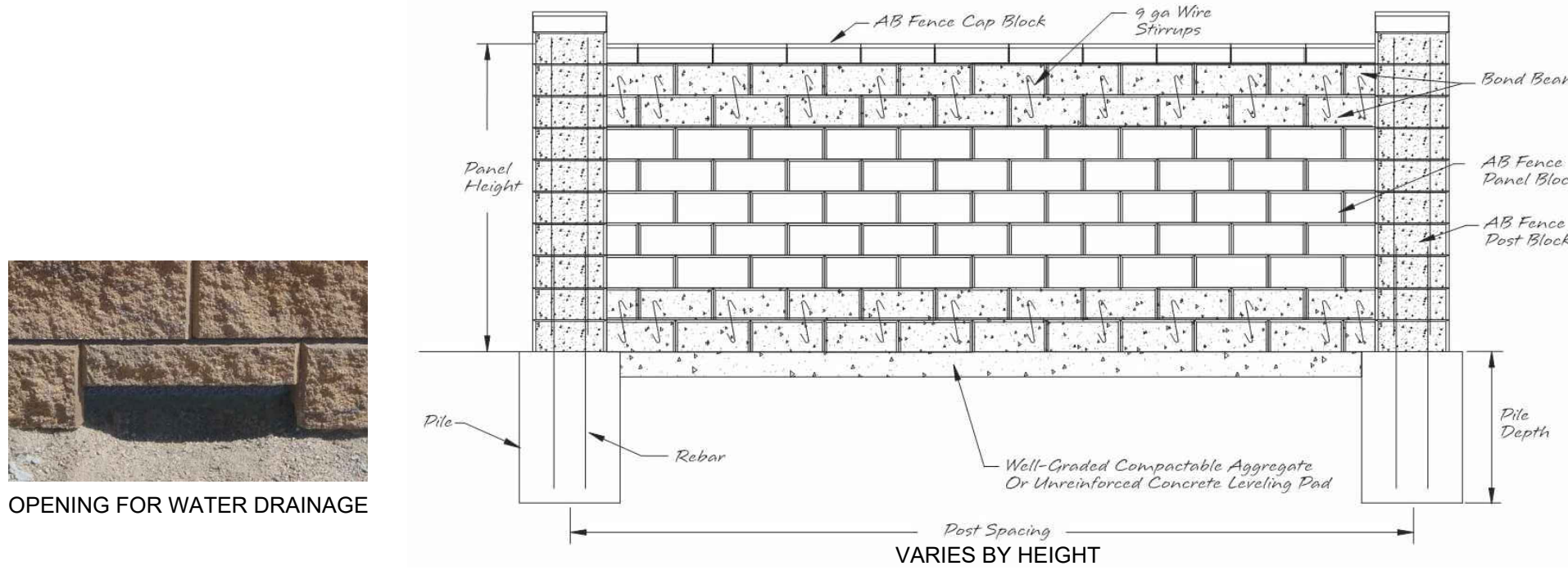
Project No.: 194-6440
Designed By: BB
Checked By: JC, LD
Approved By: JC, LD

04

SHT 4 OF 11

Bar Measures 1 Inch

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ OF NE ¼ OF SECTION 28, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
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OPENING FOR WATER DRAINAGE

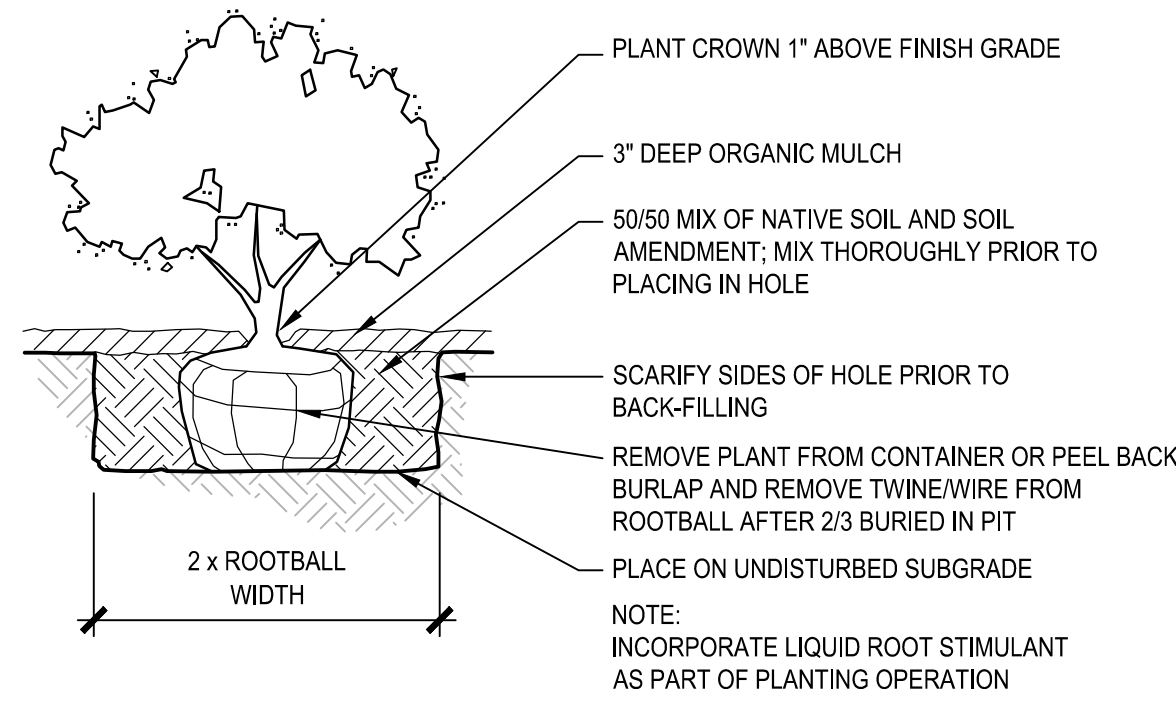


V-TRACK SECURITY GATE
DIMENSIONS: 8' TALL x 30' WIDE

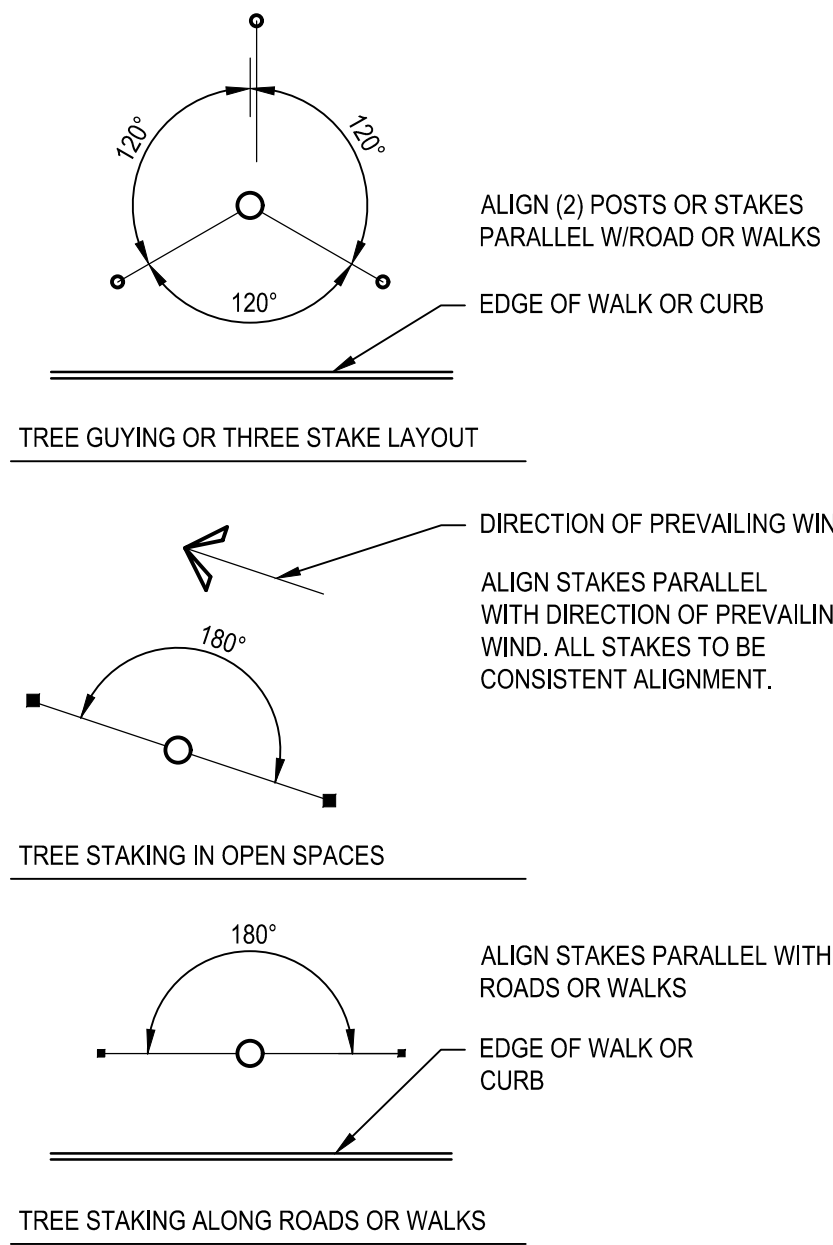


WALL MATERIAL: CONCRETE
COLOR: 385
COLUMN AND BAND MATERIAL: CONCRETE
COLOR: 386

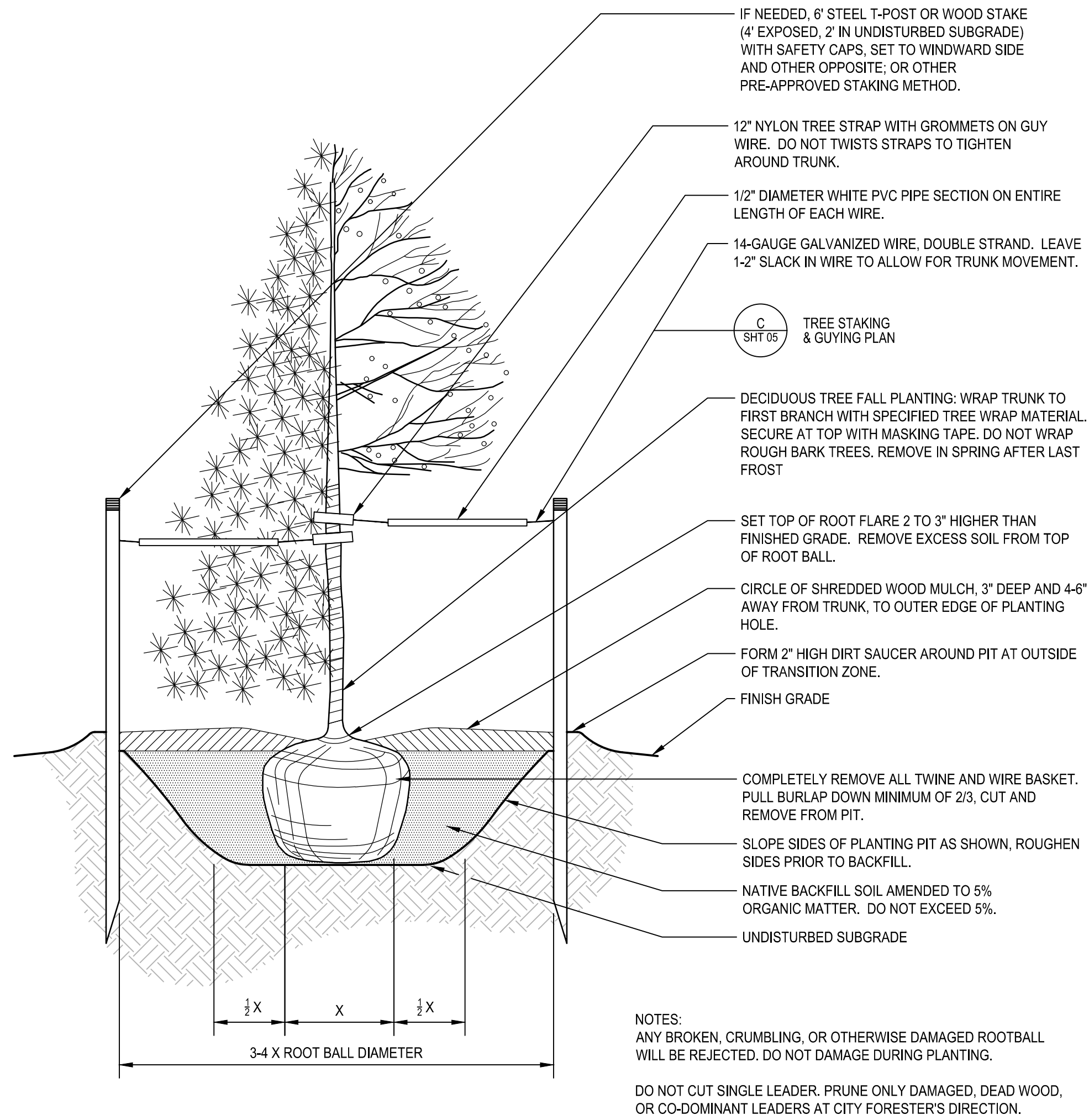
A SECURITY/SCREEN WALL AND GATE ALLAN BLOCK (AB) FENCE SYSTEM
SCALE: N.T.S



B SHRUB PLANTING
SCALE: N.T.S



C TREE STAKING AND GUYING PLAN
SCALE: N.T.S



D TREE PLANTING
SCALE: N.T.S

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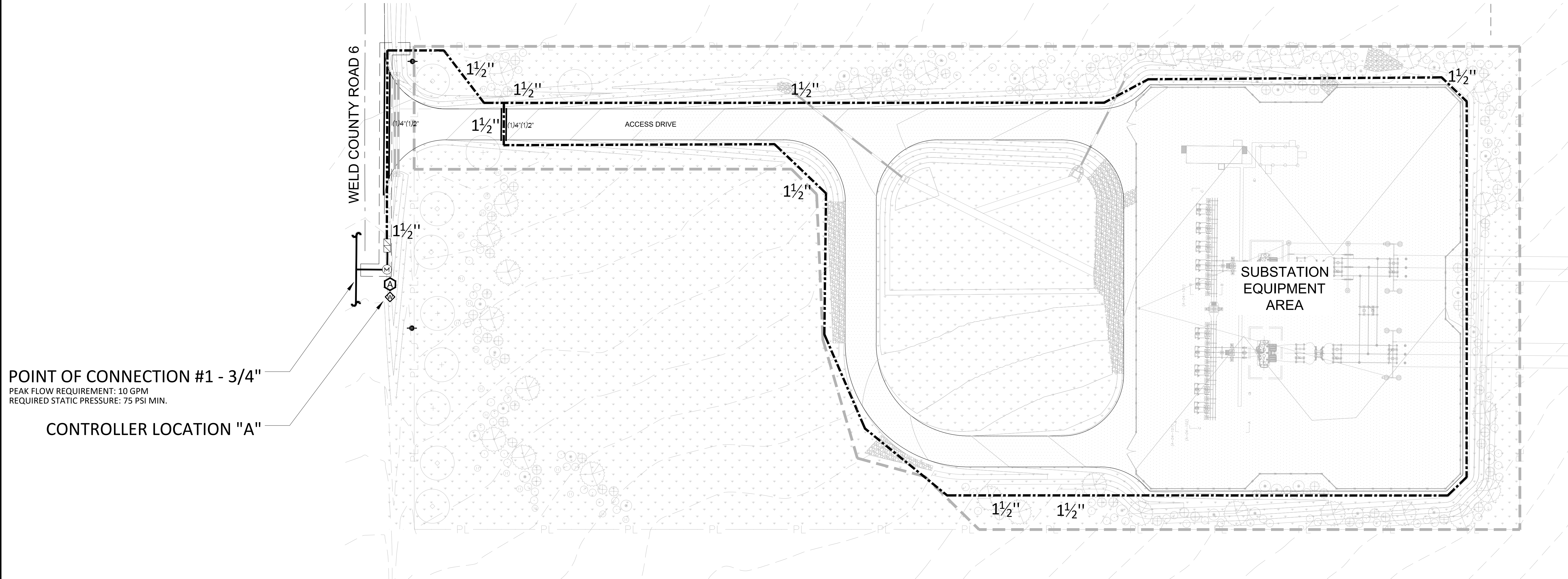
LAZY DOG SUBSTATION
LANDSCAPE DETAILS

Project No.: 194-6440
Designed By: BB
Checked By: JC, LD
Approved By: JC, LD
05
SHT 5 OF 11

Bar Measures 1 Inch

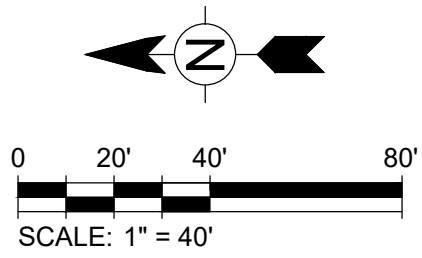
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POINT OF CONNECTION #1 - 3/4"
PEAK FLOW REQUIREMENT: 10 GPM
REQUIRED STATIC PRESSURE: 75 PSI MIN.
CONTROLLER LOCATION "A"

IRRIGATION SCHEDULE	
SYMBOL	DESCRIPTION
	ELECTRIC CONTROLLER
	PVC MAINLINE - 2-1/2" OR SMALLER
	PVC SLEEVING
	WATER METER





HydroSystems
Irrigation Consulting & Water Management
860 Tabor Street, Suite 200
o: 303.980.5327
www.hydrosystemsmdi.com

KDI
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Lakewood, Colorado 80401
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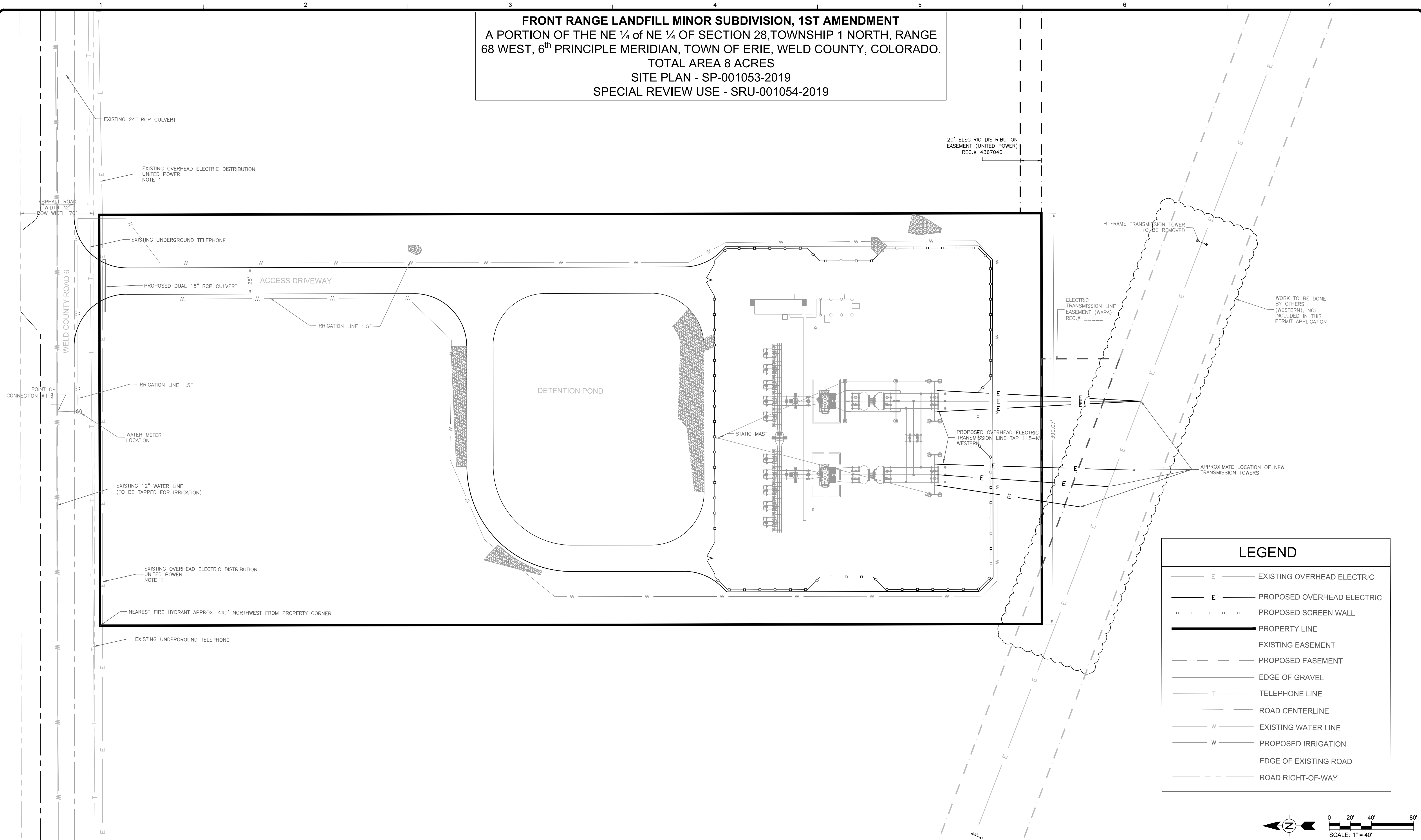
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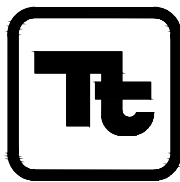
LAZY DOG SUBSTATION	
IRRIGATION PLAN	

Project No.:	194-6440
Designed By:	JSB
Checked By:	JSB
Approved By:	KJD
06	
SHT 06 OF 11	

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
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- UTILITY PLAN NOTES:
- OVERHEAD UTILITY POLES AND LINES ARE 2' WITHIN THE PROPERTY LINE THAT DOES NOT APPEAR TO BE WITHIN AN EASEMENT
 - NO MANHOLES, STORM SEWER, OR SANITARY SEWER IN PROJECT VICINITY
 - NEAREST FIRE HYDRANT IS APPROXIMATELY 440' NORTHWEST OF THE PROPERTY BOUNDARY AT THE CRESTONE PEAKS FACILITY
 - SCREENING REQUIREMENTS FOR THE SUBSTATION AS REQUIRED PER MUNICIPAL CODE TITLE 10-UDC CHAPTER 6 WILL BE MET USING A 8' SCREEN WALL WITH PLANTING POCKETS AND LANDSCAPING
 - NEAREST FIRE HYDRANT APPROX. 440' NORTHWEST FROM PROPERTY CORNER



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B	02/22/19	2ND SUBMITTAL REFERRAL AGENCY REVIEW	ENM
C	06/03/19	3RD SUBMITTAL REFERRAL AGENCY RESPONSE	AML
D	08/27/19	4TH SUBMITTAL TOWN OF ERIE REVIEW	AML

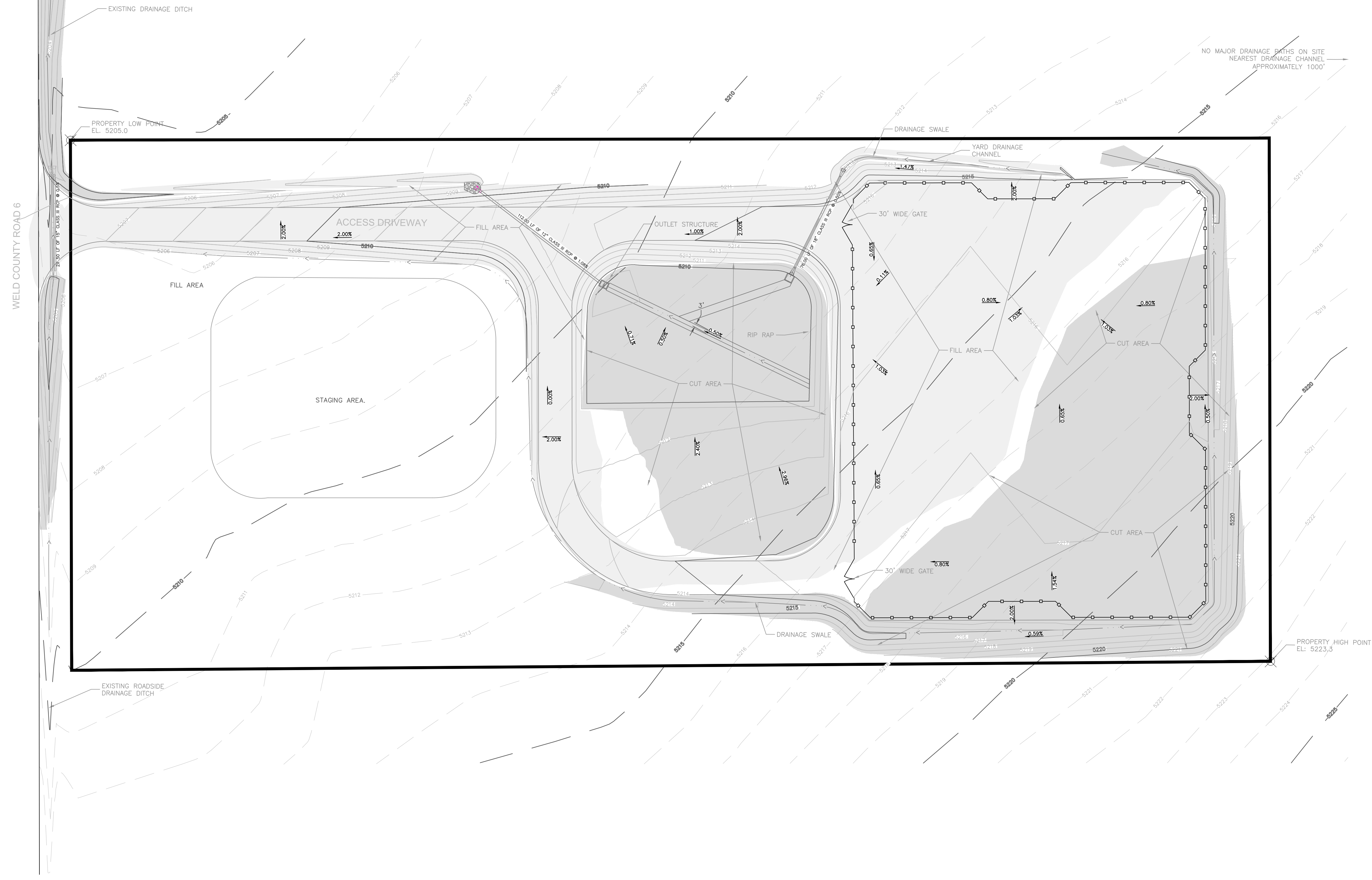
LAZY DOG SUBSTATION	Project No.:	194-6440
	Designed By:	ENM
	Checked By:	AML
UTILITY PLAN	Approved By:	AML
		07
		SHT 7 OF 11

8/27/2019 9:26:52 AM - P:\DENVER OFFICE\ENGINEERING\TRISTATE\LAZY DOG SUBSTATION\CAD\194-6440 UTILITY PLANDWG - LINTZ, ANDREW









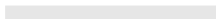

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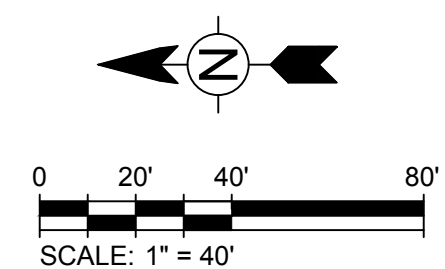
Bar Measures 1 inch

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ of NE ¼ OF SECTION 28, TOWNSHIP 1 NORTH, RANGE
68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
SITE PLAN - SP-001053-2019
SPECIAL REVIEW USE - SRU-001054-2019



LEGEND

	PROPOSED SCREEN WALL
	PROPERTY LINE
	EDGE OF GRAVEL
	SURFACE WATER FLOW LINE
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	CUT AREA
	FILL AREA



GRADING AND DRAINAGE PLAN NOTES:
1. APPROXIMATE CONTOURS ARE SHOWN
2. GRADE TO DRAIN
3. FOR GRADING GENERAL NOTES SEE SHEET 02 GENERAL NOTES
4. NO RETAINING WALLS ON-SITE
5. SEE DRAINAGE STUDY FOR DETAILED INFORMATION (APPENDIX C)
6. NO KNOWN GEOLOGIC HAZARDS EXIST ON-SITE (APPENDIX D)



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LAZY DOG SUBSTATION

GRADING AND DRAINAGE PLAN

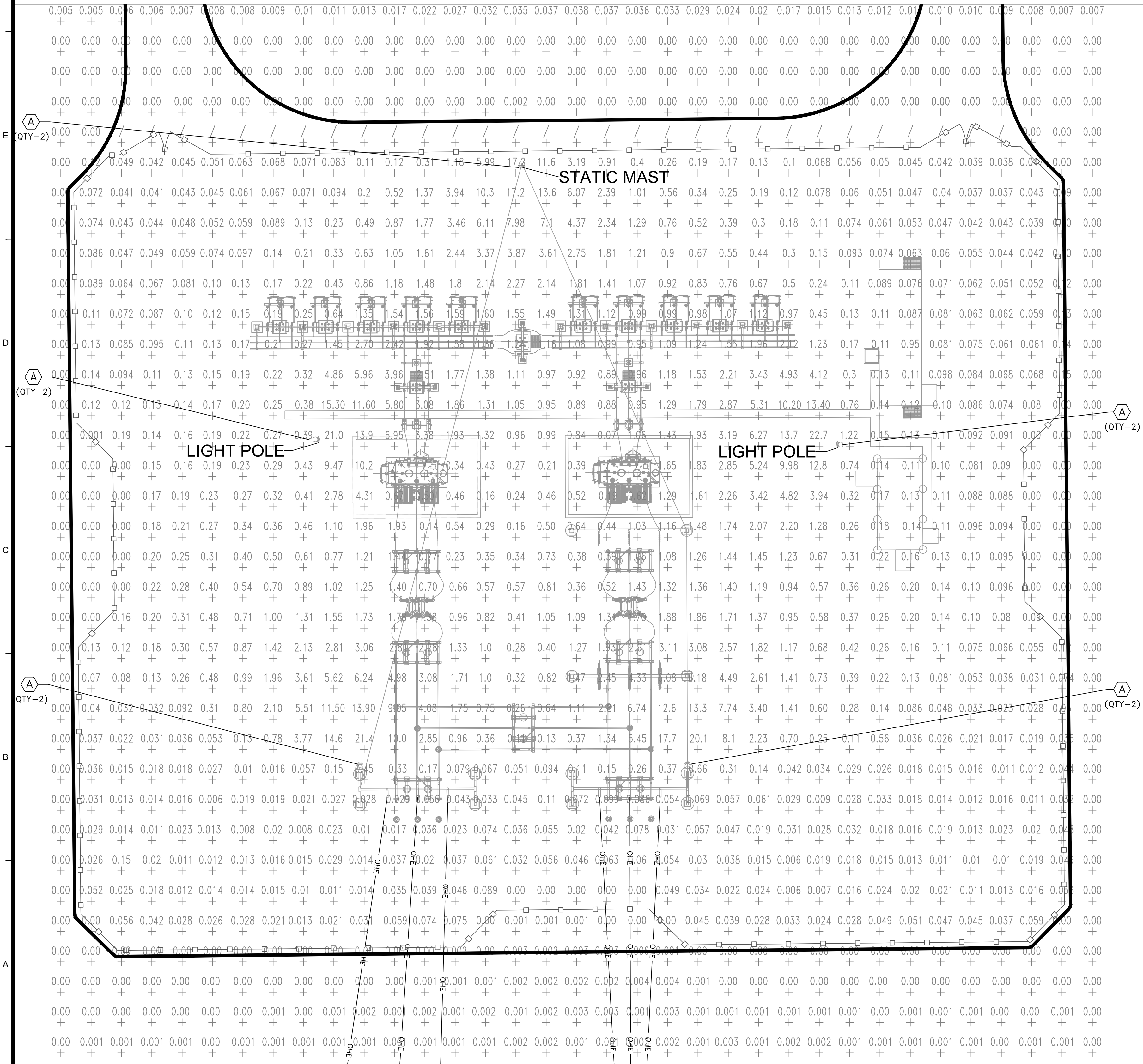
Project No.:	194-6440
Designed By:	ENM
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Approved By:	AML

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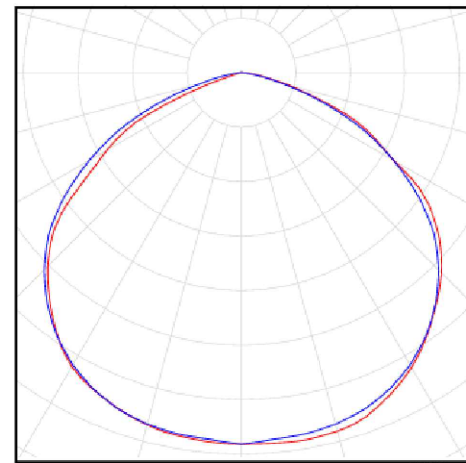
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Lazy Dog Substation /
Luminaire parts list

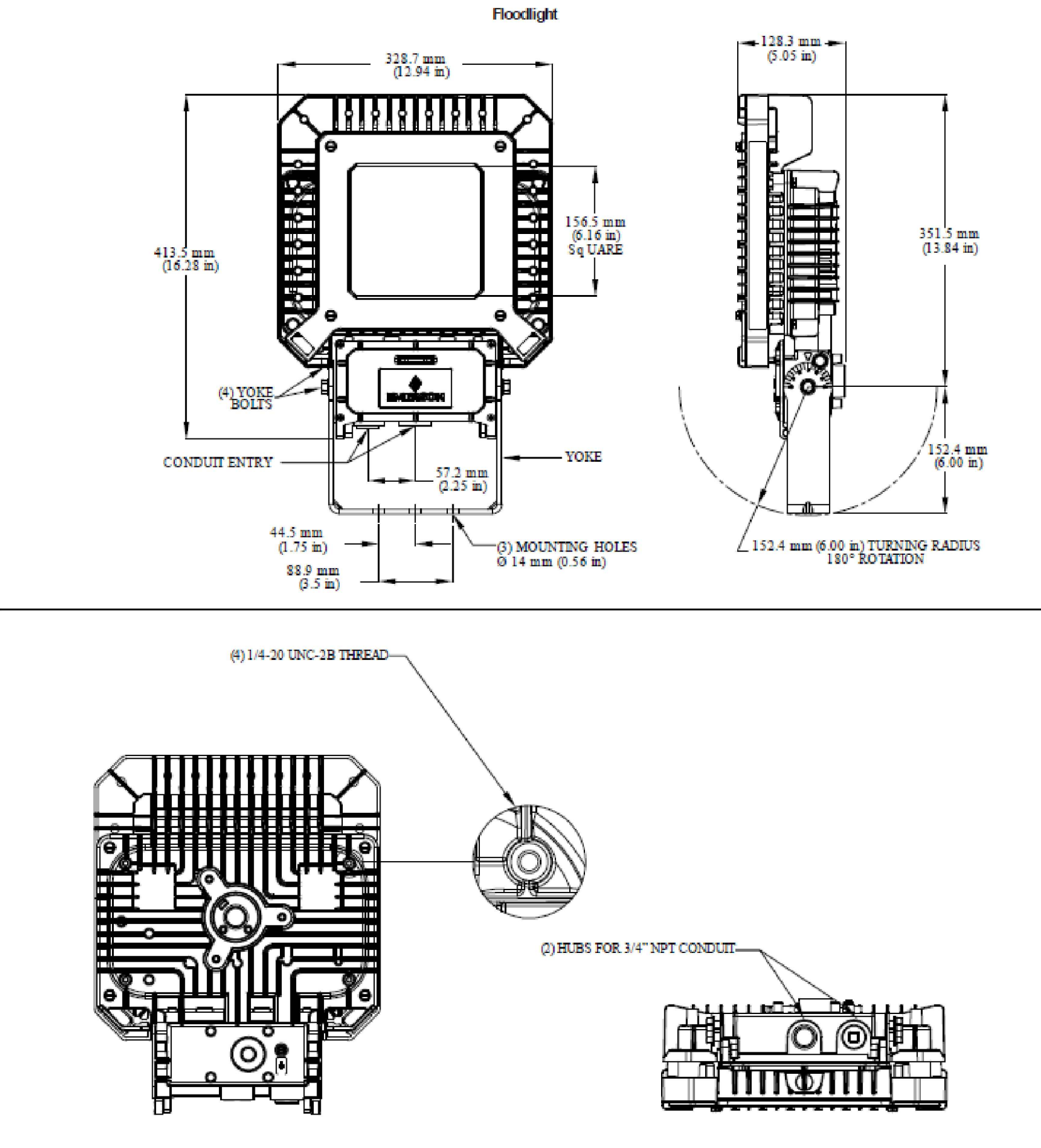
A- Lazy Dog Substation Light

Quantity	Luminaire (Luminous emittance)
10	Appleton - IAMLGL8CG6 IND. AREAMASTER LED 19500 LUMENS NEMA 7X 7 CLEAR GLASS Luminous emittance 1 Fitting: 1xIND. AREAMASTER LED 19500 LUMENS NEMA 7X 7 CLEAR GLASS Absolute photometry Luminaire luminous flux: 19902 lm Power: 156.0 W Luminous efficacy: 127.6 lm/W Colorimetric data 1xIND. AREAMASTER LED 19500 LUMENS NEMA 7X 7 CLEAR GLASS: CCT 5181 K, CRI 86



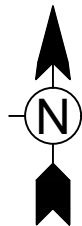
Total lamp luminous flux: 199020 lm, Total luminaire luminous flux: 199020 lm, Total Load: 1560.0 W, Luminous efficacy: 127.6 lm/W

Dimensions in Millimeters (Inches)



LEGEND

- OHE — PROPOSED OVERHEAD ELECTRIC
- PROPOSED SCREEN WALL
- EDGE OF GRAVEL



0 10 20 40'
SCALE: 1" = 20'

- PHOTOMETRIC PLAN NOTES:
- LUMINAIRE MEASUREMENTS ARE IN FOOTCANDLES (FC)
 - THE ELEVATION OF LIGHTING FIXTURES IS 20'
 - THE CALCULATION SURFACE LEVEL IS 3.3' ABOVE GROUND.
 - SUBSTATION LIGHT PAIRS ARE SIDE BY SIDE WITH 0 DEGREE APART
 - ALL LIGHTING SHALL BE CONCEALED OF SHIELDED WITH AN IESNA FULL CUT-OFF STYLE FIXTURE WITH AN ANGLE NOT EXCEEDING 90 DEGREES.



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LAZY DOG SUBSTATION

PHOTOMETRIC PLAN

Project No.: 194-6440
Designed By: ENM
Checked By: AML
Approved By: AML

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SHT 9 OF 11

Bar Measures 1 inch

FRONT RANGE LANDFILL MINOR SUBDIVISION, 1ST AMENDMENT
A PORTION OF THE NE ¼ of NE ¼ OF SECTION 28, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6th PRINCIPLE MERIDIAN, TOWN OF ERIE, WELD COUNTY, COLORADO.
TOTAL AREA 8 ACRES
SITE PLAN - SP-001053-2019
SPECIAL REVIEW USE - SRU-001054-2019

Round Tapered Steel Poles

NEC/CEC:
Rated for Ordinary (Unclassified) Locations

Applications

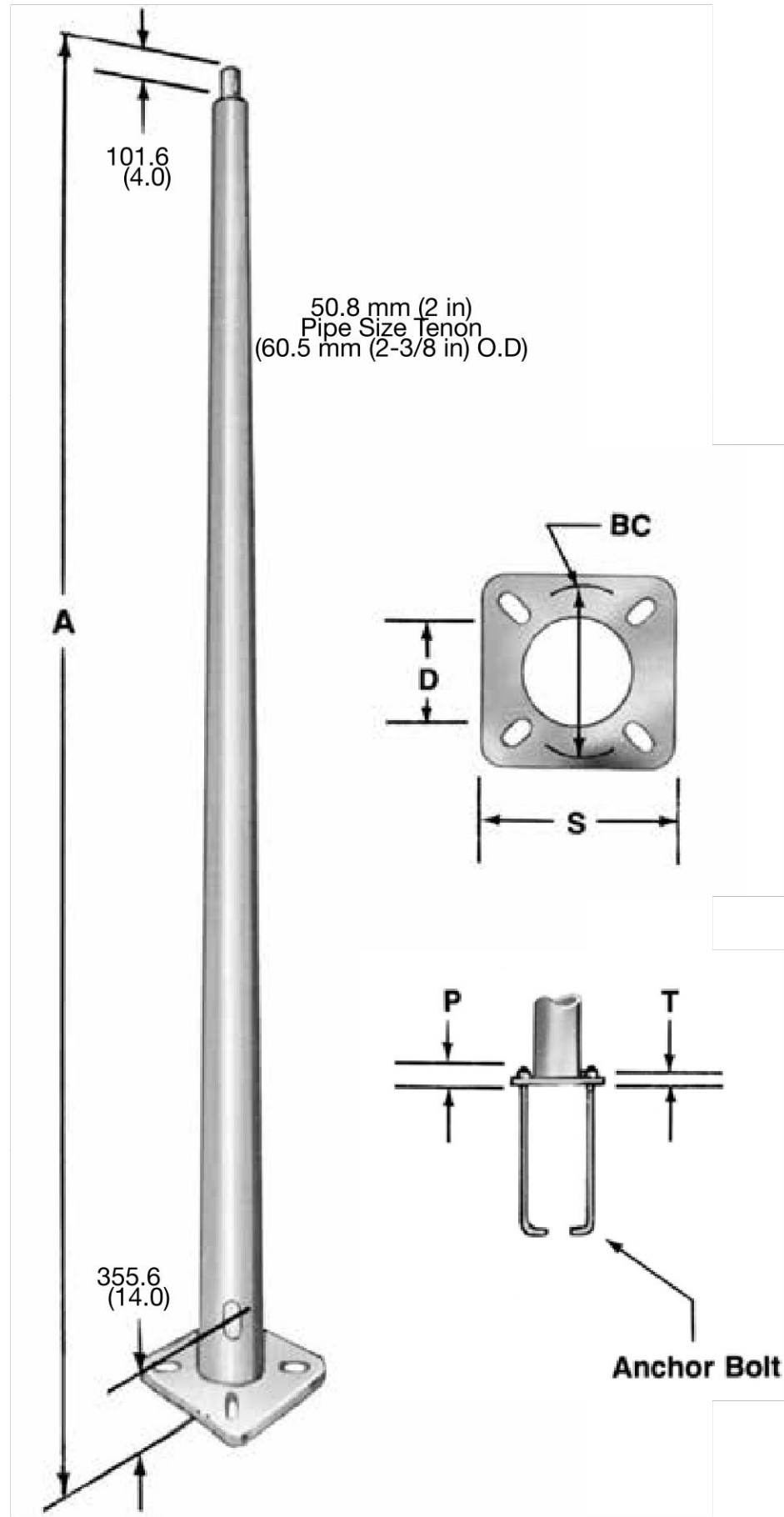
- To mount single or multiple luminaires to heights from 6.1 to 11.9 m (20 to 39 ft).

Features

- 50.8 mm (2 in) pipe size tenon accepts a single luminaire, or 2, 3, or 4 luminaires with appropriate pole-top mounting bracket.
- Shafts are tapered, one-section design of 11 gauge commercial quality steel with a minimum yield strength of 55,000 psi after fabrication.
- Base plates are of structural quality hot-rolled steel with guaranteed minimum yield strength of 36,000 psi.
- A 76.2 x 127.0 mm (3 in x 5 in) or 101.6 x 152.4 mm (4 in x 6 in) reinforced handhole with cover and grounding lug 55.6 mm (14 in) above the pole base is standard.
- Anchor bolts are furnished complete with nuts and washers, and are of 55,000 psi steel.

Options

- For bronze powder coat finish (to match Appleton fixtures) add Suffix **-EPX**.
- For galvanized finish add **-GAL**.
- If no finish option is noted in part number, bronze powder coat will be used.



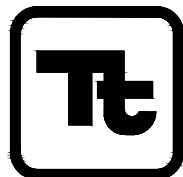
Appleton

POLES/HANGERS: NEC/CEC ORDINARY LOCATION ARCHITECTURAL

Dimensions may vary. Consult your local sales representative for specifications

Mounting Height m (ft) A	Shaft Size ②	Base Size mm (in) S ①	Bolt Circle mm (in) BC	Base Thickness mm (in) T ①	Bolt Proj. mm (in) P ①	Tube Diameter mm (in) D	Anchor Bolt Dia. x Lgth. mm (in)	Max. Proj Area Sq.M (Sq.Ft) ③	Catalog Number ④
6.1 (20)	165.1 x 94.0 x 6.1 (6.5 x 3.7 x 20')	266.7 to 279.4 (10.5 to 11.0)	①	25.4 (1.0)	57.2 (2.25)	165.1 (6.5)	25.4 x 1016 (1 x 40)	1.74 (18.7)	G-PRTH-20

- ① Dimensions may vary—Consult your local sales representative for specifications.
② Shaft bottom [MM. Dia.(In. Dia.)] x shaft top [MM. Dia. (In.Dia.)] x shaft length to tenon.
③ Calculated for winds of 160 KPH/100 MPH.
④ Anchor bolts and templates are preshipped upon request.



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LAZY DOG SUBSTATION

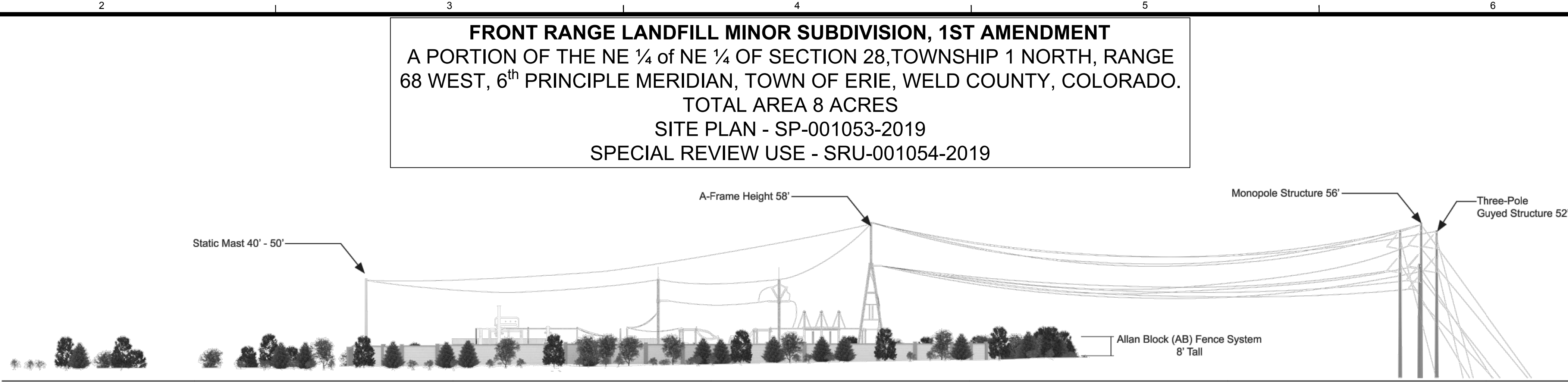
PHOTOMETRIC PLAN DETAILS

Project No.: 194-6440
Designed By: ENM
Checked By: AML
Approved By: AML

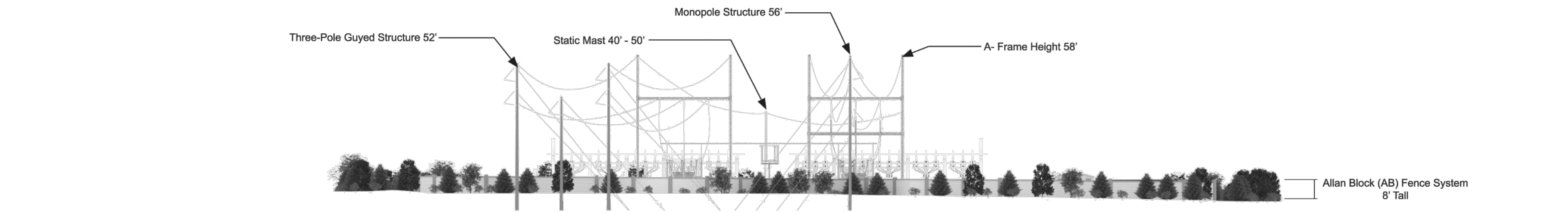
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SHT 10 OF 11

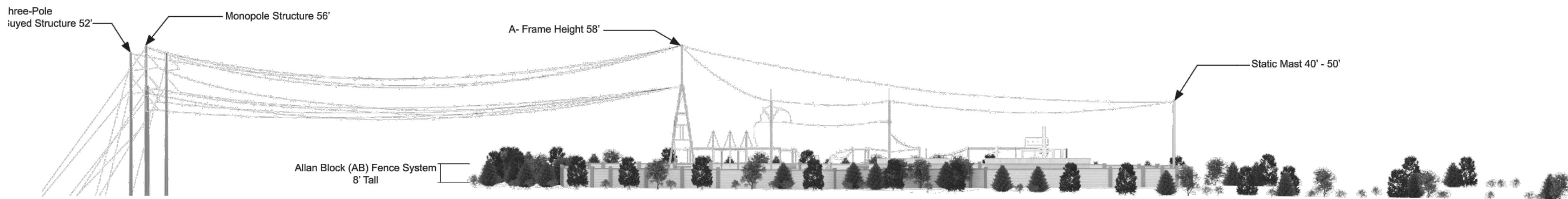
Bar Measures 1 inch



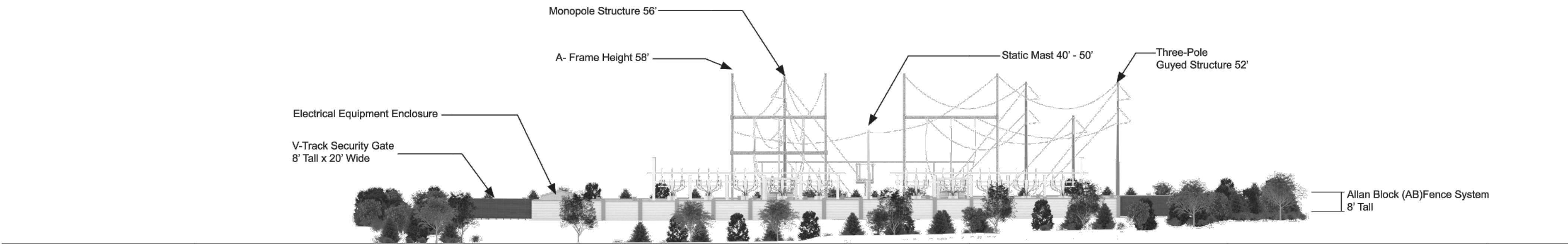
1 Site Plan View (West)



2 Site Plan View (South)

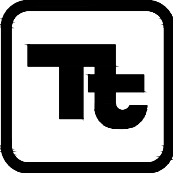


3 Weld County Rd 7 (East)



4 Weld County Rd 6 (North)

SUBSTATION ELEVATION NOTES:
1. COLOR RENDERINGS OF THE SUBSTATION ELEVATIONS ARE INCLUDED IN THE SITE PLAN AND SPECIAL USE REVIEW PERMIT APPLICATIONS APPENDICES



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LAZY DOG SUBSTATION

SUBSTATION ELEVATIONS

Project No.: 194-6440
Designed By: ENM
Checked By: AML
Approved By:

11

SHT 11 OF 11

Bar Measures 1 inch