



ANCHORAGE SCHOOL DISTRICT

MOA ELECTRONIC SUBMITTAL

WEST-ROMIG SITE IMPROVEMENTS

PROJECT NUMBER: 850042

FEBRUARY 2024 100% CONSTRUCTION DOCUMENTS

GENERAL NOTES

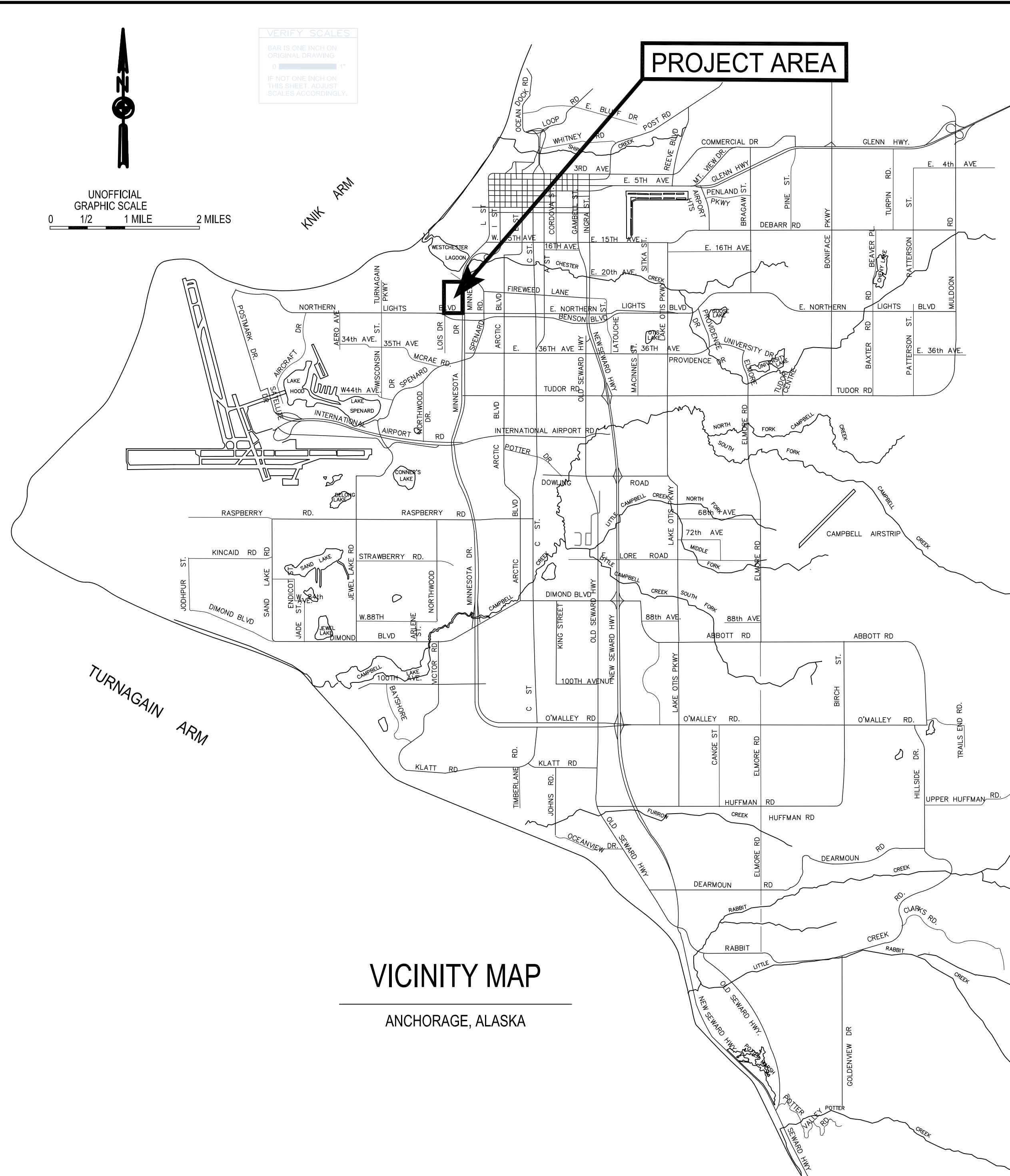
- CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS FOR THIS PROJECT, TITLED WEST-ROMIG SITE IMPROVEMENTS, DATED 02/08/2024, CONSIST OF THE PROJECT MANUAL AND CONSTRUCTION DOCUMENTS. FOR THE PURPOSE OF THIS PROJECT, ALL INFORMATION HEREIN SHALL BE TREATED EQUALLY, WITHOUT ANY HIERARCHY, AND/OR ORDER OF PRECEDENCE, UNLESS OTHERWISE NOTED.
- ELECTRONIC MEDIA: THE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED UTILIZING ELECTRONIC DRAFTING FORMATS OF AUTOCAD.
- REFERENCE CODES: ALL WORK SHALL CONFIRM TO ALL APPLICABLE BUILDING CODES, STANDARDS, REGULATIONS, AND OTHER SUPPLEMENTAL AMENDMENTS RELATED TO THE JURISDICTIONS OF THE PROJECT, IN THEIR LATEST AND MOST RECENT ADOPTED EDITIONS AND EFFECTIVE DATES. CODES INCLUDE THE FOLLOWING:
INTERNATIONAL BUILDING CODE, 2018 EDITION
NATIONAL ELECTRICAL CODE, 2020 EDITION
MUNICIPALITY OF ANCHORAGE (MOA) MASS STANDARD SPECIFICATIONS (MASS) MOA TITLE 21
ASD ELECTRICAL DESIGN STANDARDS
- VERIFY CONDITIONS: THE CONTRACTOR SHALL VERIFY ALL PROJECT-RELATED NEW AND/OR EXISTING CONDITIONS, INCLUDING DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE PROJECT MANAGER IN WRITING OF DISCREPANCIES AND/OR UNKNOWN CONDITIONS OBSERVED.
- DRAWING FORMAT: THESE CONSTRUCTION DOCUMENTS HAVE BEEN PRODUCED AT DRAWING SCALES THAT RELATE TO THEIR FULL-SIZE FORMAT 22"x34". DEVIATIONS TO THIS FORMAT SIZE WILL PRODUCE DRAWINGS OUTSIDE OF THE SCALE LIMITS INDICATED. DRAWING REPRODUCTIONS AT ANY FORMAT SHOULD NOT BE SCALED FOR DIMENSIONAL ACCURACY. USE GRAPHIC SCALES ACCORDINGLY.
- PREPARATION OF DOCUMENTS: THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED FROM OWNER FURNISHED CONSTRUCTION DOCUMENTS. DEVIATIONS FROM THESE CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER FOR RESOLUTION.
- PROJECT PERMITTING: ANCHORAGE SCHOOL DISTRICT WILL APPLY FOR AND OBTAIN THE BUILDING PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS.
- SITE SAFETY: CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED SAFETY MEASURES ON-SITE, DURING THE PROJECT CONSTRUCTION PERIOD. NOTIFY THE GENERAL CONTRACTOR, AND/OR THE DESIGNATED "SAFETY OFFICER" AT ONCE SHOULD SAFETY RELATED CONCERNS BE OBSERVED ON-SITE.

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ELECTRICAL	
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NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINATES, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

100% CONSTRUCTION DOCUMENTS



VICINITY MAP
ANCHORAGE, ALASKA

OWNER
ANCHORAGE SCHOOL DISTRICT
1301 LABAR STREET
ANCHORAGE, AK 99515
PH.907-348-5212

LANDSCAPE
CORVUS DESIGN
2506 FAIRBANKS STREET, UNIT B
ANCHORAGE, AK 99503
PH.907-222-2859

ELECTRICAL
RSA ENGINEERING
670 WEST FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503
PH.907-276-0521

PROJECT DESCRIPTION

- DEMOLITION OF EXISTING ASPHALT AND CONCRETE WALKWAYS.
- INSTALLING NEW CONCRETE SIDEWALK ALONG EAST BOUNDARY OF EXISTING PARKING LOT.
- IMPROVING SITE LIGHTING BY REPLACING DAMAGED LIGHT POLES, CONDUIT, AND CONDUCTORS. INSTALL NEW LED FIXTURES. OPTICS AND LUMINANCE VALUES WILL COMPLY WITH ASD ELECTRICAL DESIGN STANDARDS.
- INSTALL 4-WAY CAMERAS ON 3 LIGHT POLES.
- INSTALL OS2 FIBER FROM WEST HIGHSCHOOL TO RELOCATABLE CLASSROOMS (RELOES).
- REUSE EXISTING SITE UTILITY AND INSTALL NEW 200A SERVICE METER FOR PROVIDING POWER TO RELOCATABLES.
- INSTALL TITLE 21 CODE REQUIRED LANDSCAPING PROJECT AREA.

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 MUNICIPALITY OF ANCHORAGE (MOA) STANDARD SPECIFICATIONS (HEREINAFTER REFERRED TO AS MASS), AND THE SPECIAL PROVISIONS.
2. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES ENCOUNTERED AND RECORD THEIR LOCATION ON THE CONTRACT RECORD DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ASD PM AND ENGINEER.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED ON THE PROJECT SITE.
4. ALL WORK IN CLOSE PROXIMITY TO EXISTING OVERHEAD AND UNDERGROUND TELEPHONE AND ELECTRIC UTILITIES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES AND GUIDELINES AND THE CLEARANCE REQUIREMENTS OF THE SERVING UTILITY.
5. CONTRACTOR SHALL REMOVE ANY LITTER OR DEBRIS WITHIN THE PROJECT LIMITS AT THE END OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ONGOING SITE CLEANLINESS THROUGHOUT THE PROJECT DURATION.
6. THE CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS. THE "REDLINES" SHALL BE KEPT CURRENT ON A DAILY BASIS AND SHALL BE AVAILABLE TO THE ASD PM AND ENGINEER FOR INSPECTION ON THE JOB SITE. THE CONTRACTOR SHALL SUBMIT RECORD SURVEY NOTES WITH THE RECORD DRAWINGS.
7. ALL FILL, USABLE EXCAVATION, AND TRENCH BACKFILL SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, BASED ON MODIFIED PROCTOR TEST VALUES. ALL FILLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES.
8. CONTRACTOR SHALL PROVIDE AND INSTALL DETECTOR LOCATOR TAPE PROPERLY CODED AND LABELED IDENTIFYING THE UTILITY(IES) INSTALLED IN THE TRENCH PER MASS.
9. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A HAUL ROUTE PLAN FOR ALL MATERIAL REMOVED OR IMPORTED TO THE PROJECT SITE PRIOR TO BEGINNING CONSTRUCTION. THE HAUL ROUTE PLAN SHALL MEET THE REQUIREMENTS OF ANCHORAGE MUNICIPAL CODE 9.46.410A.
10. CONTRACTOR SHALL PLACE 4" TOPSOIL AND SEEDING ON ALL AREAS DISTURBED BY CONSTRUCTION, AND NOT STABILIZED BY OTHER METHODS; I.E. PAVEMENT, MULCH, GRAVEL, ETC. SEE LANDSCAPING SHEETS FOR MORE DETAIL.
11. PROVIDE CONTROLS TO LIMIT SEDIMENT DISCHARGE FROM THE SITE DURING CONSTRUCTION DUE TO SOIL EROSION. THESE CONTROLS SHALL INCLUDE REGULAR SWEEPING OF STREETS ADJACENT TO THE SITE THAT ACCUMULATE SITE SOILS. ADDITIONAL CONTROLS MAY BE REQUIRED IS THESE MEASURES PROVE INADEQUATE. PREPARE AND IMPLEMENT THE STORMWATER TREATMENT PLAN (MOA TYPE II SWTP) AND UPDATE AS NECESSARY DURING CONSTRUCTION.

COMMON ABBREVIATIONS	
ABBR.	DESCRIPTION
APPROX, APPX	APPROXIMATE
ASD	ANCHORAGE SCHOOL DISTRICT
CL, CL	CENTERLINE
DIA	DIAMETER
ELEC	ELECTRIC / ELECTRICAL
EX, EXIST	EXISTING
(E)UG/E	EXISTING UNDERGROUND COMMUNICATION LINE
FG	FINISHED GRADE
FO	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
LF	LINEAR FOOT
MAX	MAXIMUM
MIN	MINIMUM
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
(N)UG/E	NEW UNDERGROUND COMMUNICATION LINE
OC	ON CENTER
OH	OVERHEAD
OH/E	OVERHEAD ELECTRICAL LINE
PL, P/L	PROPERTY LINE
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
SF	SQUARE FEET
TYP.	TYPICAL
W/	WITH



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IBC TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

CALL BEFORE YOU DIG!!!	
Alaska Digline, Inc.	
Statewide	811
Alaska Railroad	265-2520
Military Fuel Lines	552-3760
State Storm Drains	333-2411



ANCHORAGE SCHOOL DISTRICT
WEST-ROMIG SITE IMPROVEMENTS
 100% CONSTRUCTION DOCUMENTS
ANCHORAGE, AK

If the above dimension does not measure exactly 1", this drawing has been enlarged or reduced, affecting all scales.

DATE: 02/08/2024
 JOB NUMBER: ASD-23-01
 DRAWN BY: BL
 CHECKED BY: PB

NOTIFICATION OF POTENTIAL HAZARDS:
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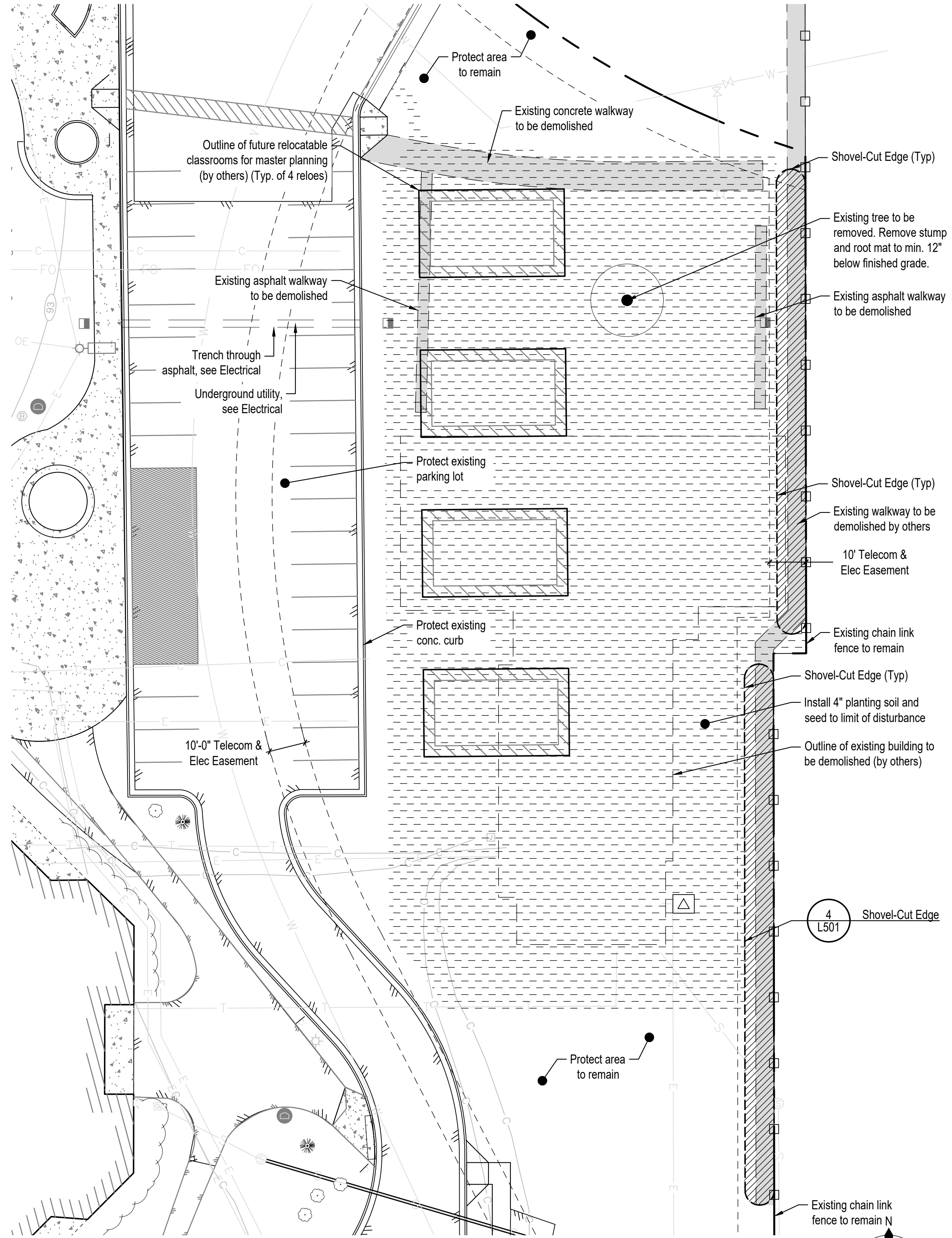
ABBREVIATIONS AND NOTES
 SHEET #:
G101

Drawing J:\ASD-23-01 West-Romig IT Landscape2 - CAD\Corvus-Sheets.dwg last saved on 2/8/2024 9:07 AM was plotted by Bradley Little on 2/8/2024 2:28 PM

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2 Demolition and Soils Plan

SCALE: 1" = 20'-0" @22x34

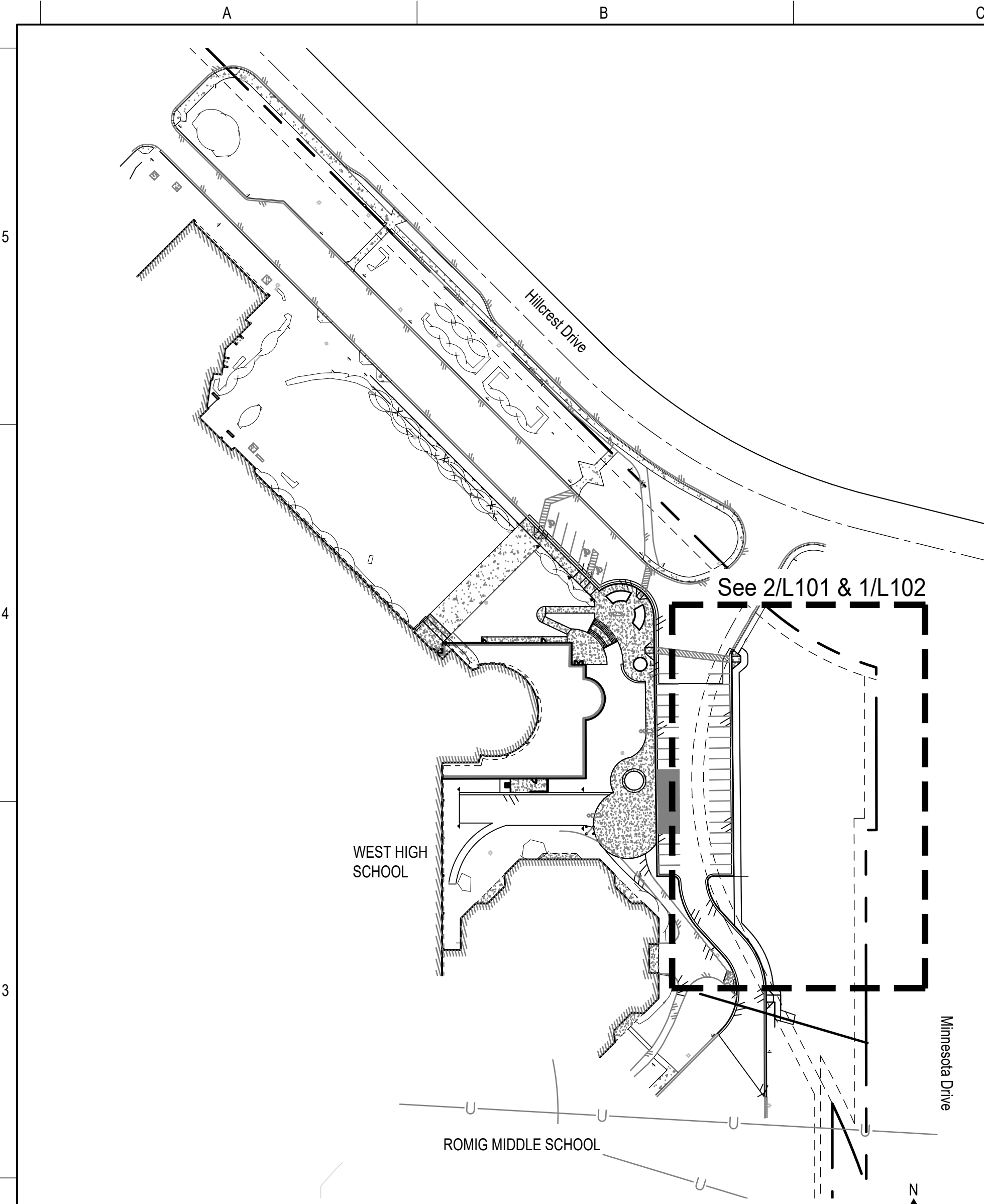


Soils Legend

	4" Depth planting soil
	12" Min. depth planting soil - Additional soil depth per planting details

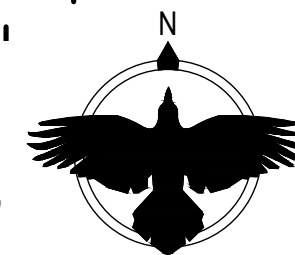
Excavate as necessary to allow placement of planting soil per above (as measured after compaction) PLUS additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Where planting materials are installed within soil areas, excavate deeper as needed to achieve soil depths and extents per planting details. Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.

1 L101



1 Key Plan

SCALE: 1" = 80'-0" @22x34



Drawing J:\ASD-23-01 West-Romig IT Landscape2 - CAD\Corvus-Sheets.dwg last saved on 2/8/2024 9:07 AM was plotted by Bradley Little on 2/8/2024 2:31 PM



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SEAL:



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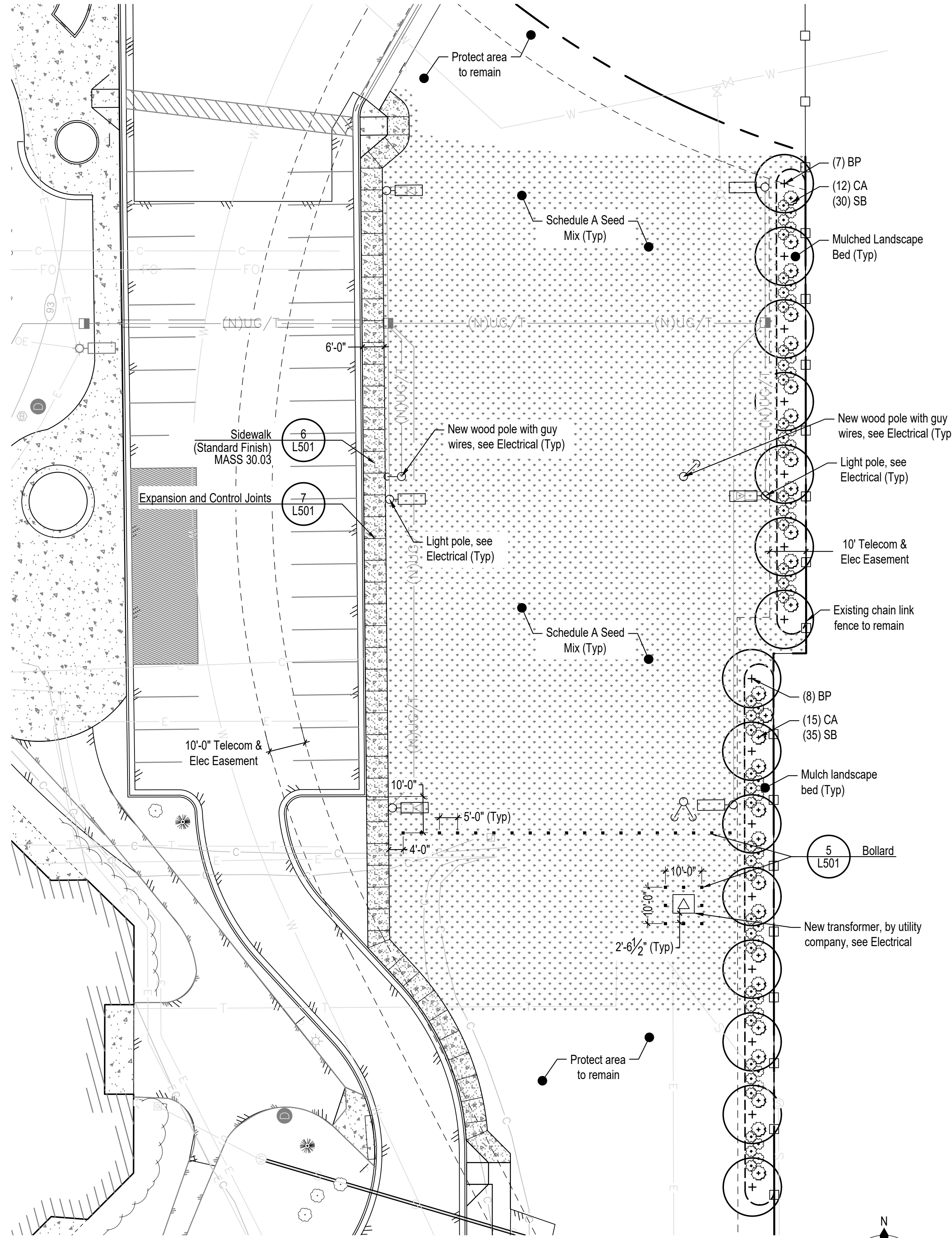
KEY PLAN & SOILS PLAN
SHEET #:

L101

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Planting Schedule

Deciduous Trees- See Detail:

- 2 L501 Deciduous Tree Planting
- 3 L501 Moose Protection

Qty.	Symbol	Label	Botanical Name	Common Name	Size	Furnished	Notes
15	+	BP	Betula papyrifera	Paper Birch	2" CAL	B&B	Single stem

Shrubs - See Detail:

- 1 L501 Shrub Planting

Qty.	Symbol	Label	Botanical Name	Common Name	Size	Furnished	Notes
27	⊙	CA	Cornus alba 'Ivory Halo'	'Ivory Halo' Dogwood	#5 (18" MIN)	CG	
65	⊙	SB	Spiraea x bumalda 'Neon Flash'	Neon Flash Spirea	#5 (18" MIN)	CG	

Note 2: Per MOA Sec. 21.07.080.F.1.a, all shrubs must be a minimum height of 18" at the time of planting. Container size shall be per ANSI Z60.1 based on shrub size (minimum #2).

Miscellaneous

- Type A Seed Mix
- 4 L501 Shovel-Cut Edge

General Notes:

- While utilities are shown, contractor is responsible to verify location and type prior to work. Do not install trees if overhead utilities are present.
- Construct project to meet Municipality of Anchorage Standard Specifications (MASS.) See 8/L501 for more details.
- All plants: nursery grown to ANSI Z60.1 or native transplants to ANSI Z60.1.
- Where planting materials are installed within soil areas, excavate as necessary to achieve soil depths and extents per planting details plus additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.
- Apply 4" depth planting soil and seed to all disturbed areas not indicated on plans.
- Install Moose Protection Fence to all Deciduous Trees. Refer to Detail 3/L501.
- Landscape contractor: Coordinate the excavation of planting soil areas and planting beds with the General or Prime Contractor.
- Landscape contractor: Coordinate with the general or prime contractor for stabilization of all disturbed areas (disturbed soils) in accordance with Local, State, and Federal requirements for storm water pollution prevention plans.

1 L102 **Landscape and Layout Plan**
 SCALE: 1" = 20'-0" @22x34

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SEAL:

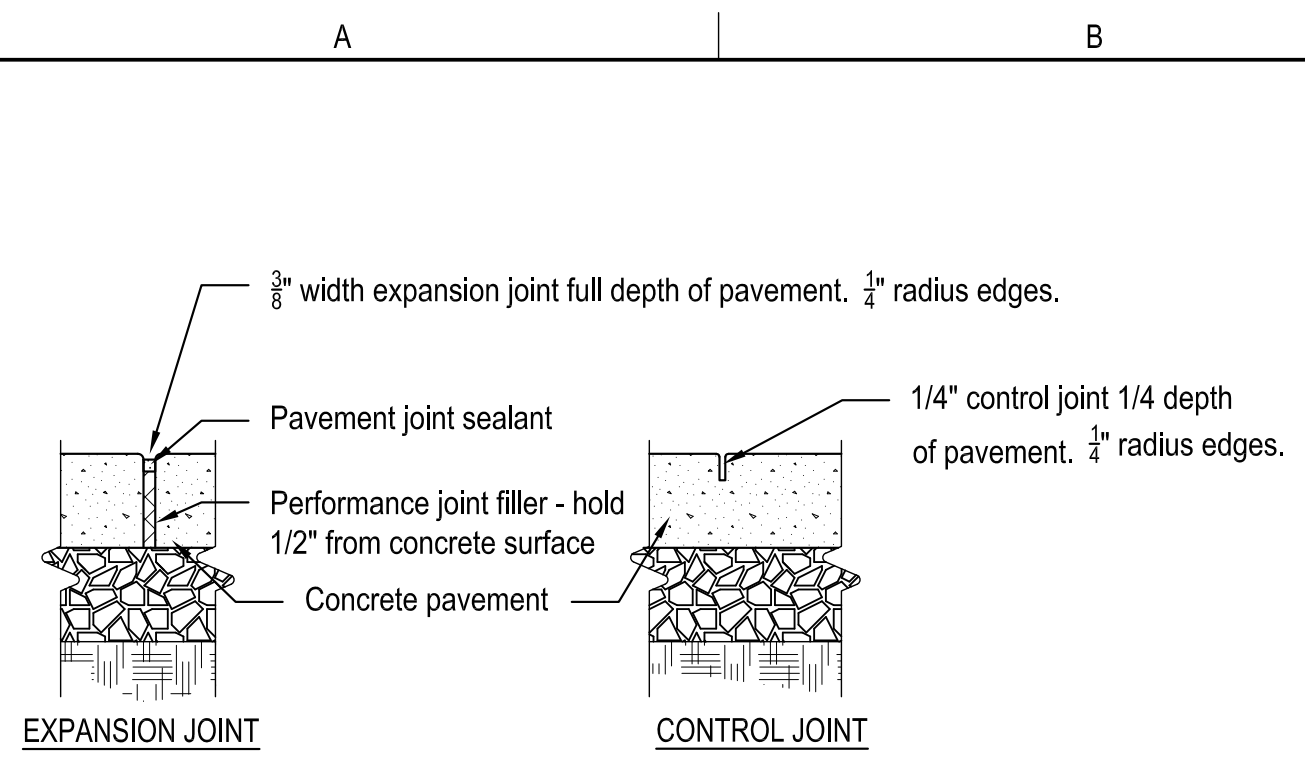


ANCHORAGE SCHOOL DISTRICT
WEST-ROMIG SITE IMPROVEMENTS
 100% CONSTRUCTION DOCUMENTS
 ANCHORAGE, AK

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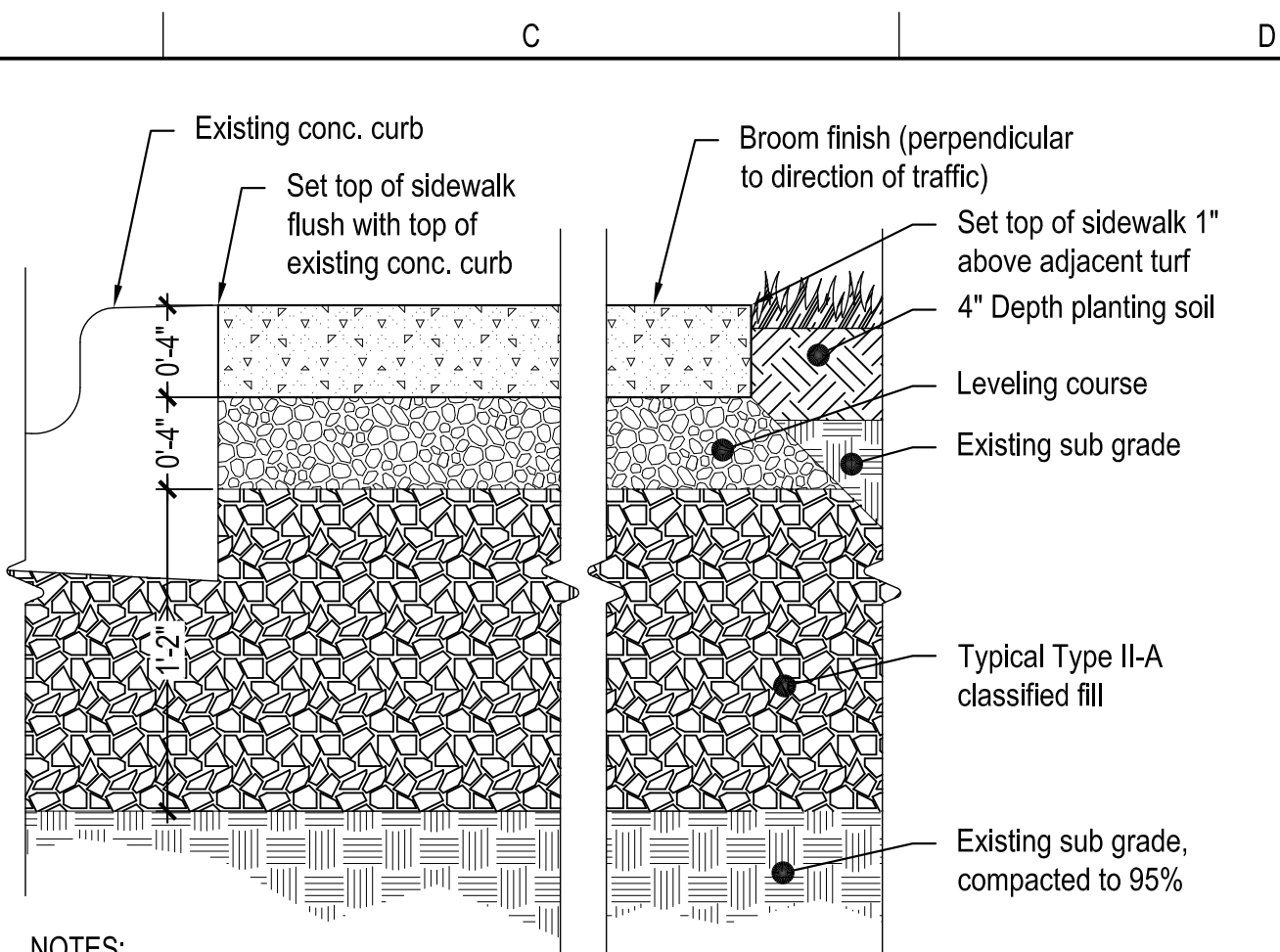
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 DRAWN BY: BL
 CHECKED BY: PB

LANDSCAPE AND LAYOUT PLAN
 SHEET #
L102



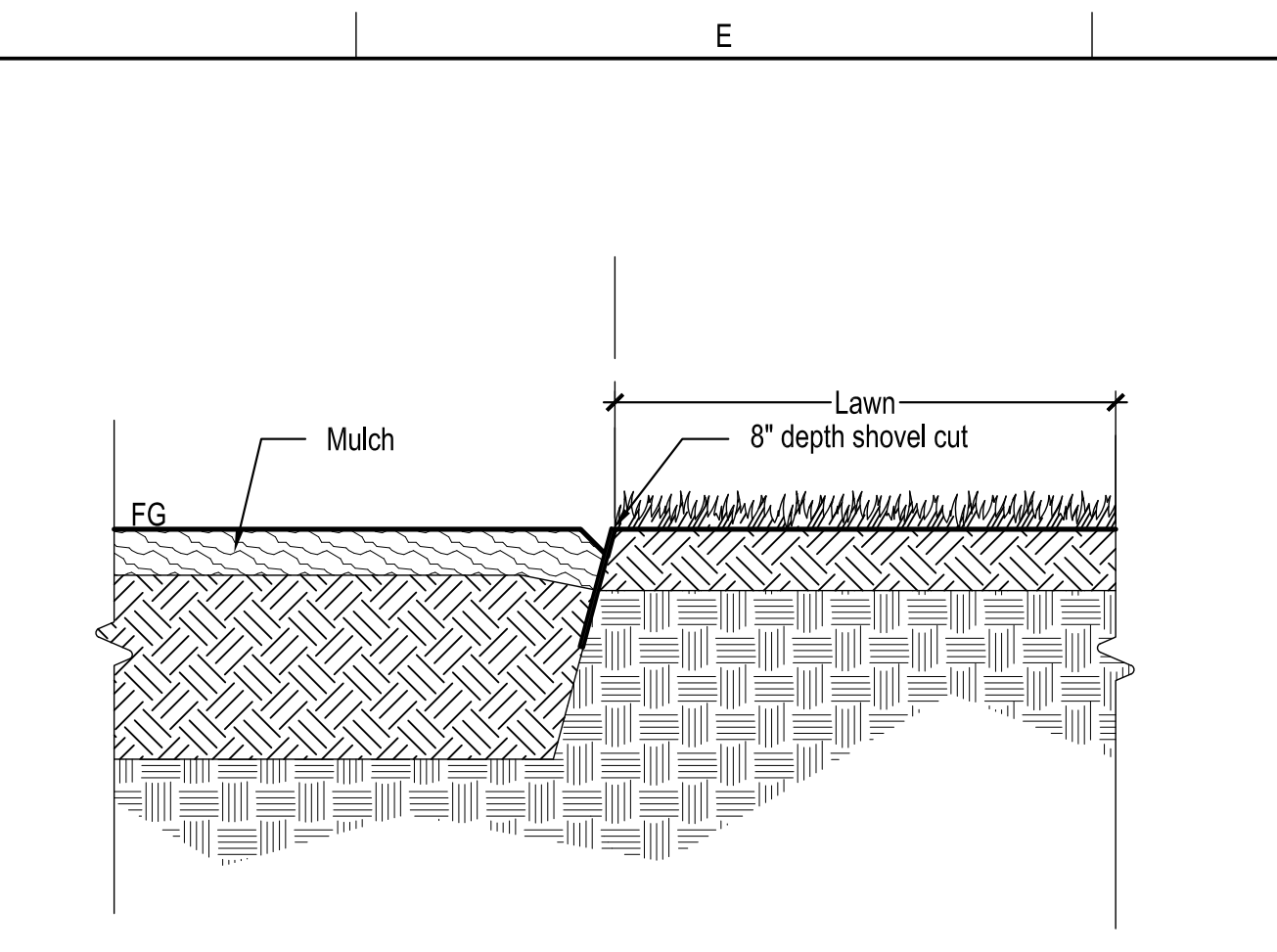
- Notes:
1. Typical control joint pattern shall be at distances equal to width of pavement (not to exceed 10') or as otherwise shown on drawings.
 2. Expansion joints to be located as per control joint pattern, with minimum separation of 20' or as otherwise shown on drawings.
 3. Broom finish shall have a pattern running transverse to main traffic flow.

7 Expansion and Control Joints
SCALE: 1 1/2" = 1'-0" @22x34

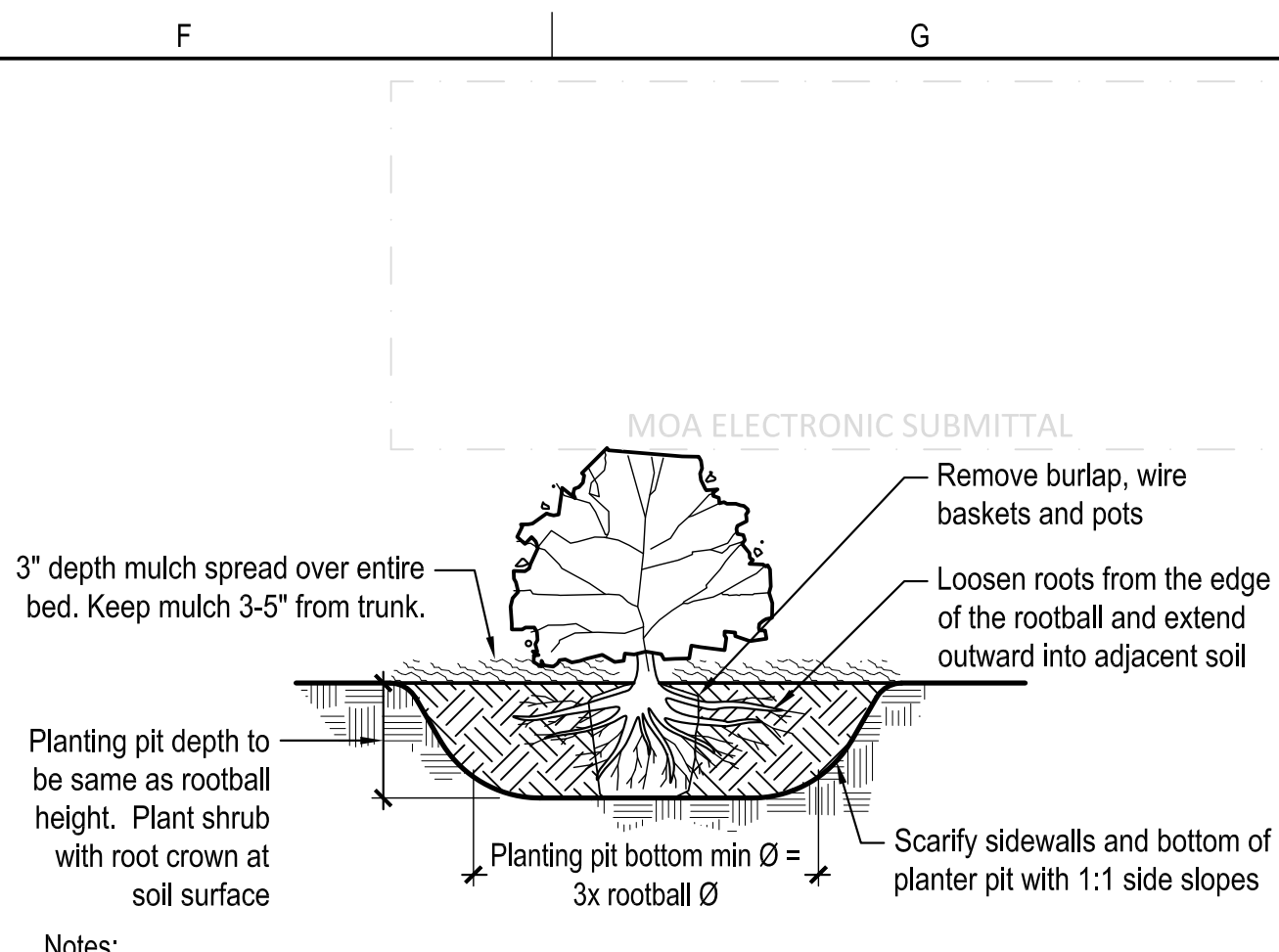


- NOTES:
1. Install sidewalk per MASS Section 30.03: Portland Cement Concrete Sidewalks.
 2. Install expansion joint between existing concrete curb and new sidewalk per MASS Section 30.03.
 3. Concrete pavement. Scoring per plans.

6 Sidewalk
SCALE: 1 1/2" = 1'-0" @22x34



4 Shovel-Cut Edge
SCALE: NTS @22x34



- Notes:
1. To prevent settlement, thoroughly water planting soil while backfilling.
 2. Do not fertilize at time of installation.
 3. If present, remove all pots, twine, wire, and burlap from rootball.

1 Shrub Planting
SCALE: NTS @22x34

MASS Notes:

1. Construct project to meet Municipality of Anchorage Standard Specifications (MASS)
2. Any reference to "planting soil" is equivalent to "topsoil" as defined in MASS.
3. Landscape Architect will provide role of Engineer for landscape efforts.
4. Materials
 - 4.1. Planting beds: Construct as shown on the drawings and as described herein. Prior to placement of any planting soil in planting beds, the contractor must prepare the area to depth and size specified and must notify the engineer for inspection of subgrade and planting bed area. Do not compact planting soil during installation. All plant materials and installation must comply with section 75.02 Landscaping and the Drawings.
 - 4.2. Planting soil and shredded bark mulch: Incidental to all tree and shrub plantings within the project area. No separate payment will be made. Planting soil must conform to the following requirements, as tested using the procedures included in ASTM D422, ASTM D2974 and AASHTO T267.
 - 4.3. The planting soil must be tested by the contractor and inspected by the Landscape Architect before approval is granted for use on the project.
5. Inspections
 - 5.1. Inspection schedule is provided below. Notify Landscape Architect at least (5) five working days prior to delivery of plant material.
6. Submittals
 - 6.1. Submittal schedule is provided below. Contractor must provide all submittals a minimum of 30 days prior to commencement of installation.

Table 1: Submittals Checklist (MASS)

Submittal	Submittal Number	Submittal Date	Acceptance Date	Notes
Planting Soil				
Plant Material				
Shredded Bark Mulch				
Seed				
Fertilizer/Lime				

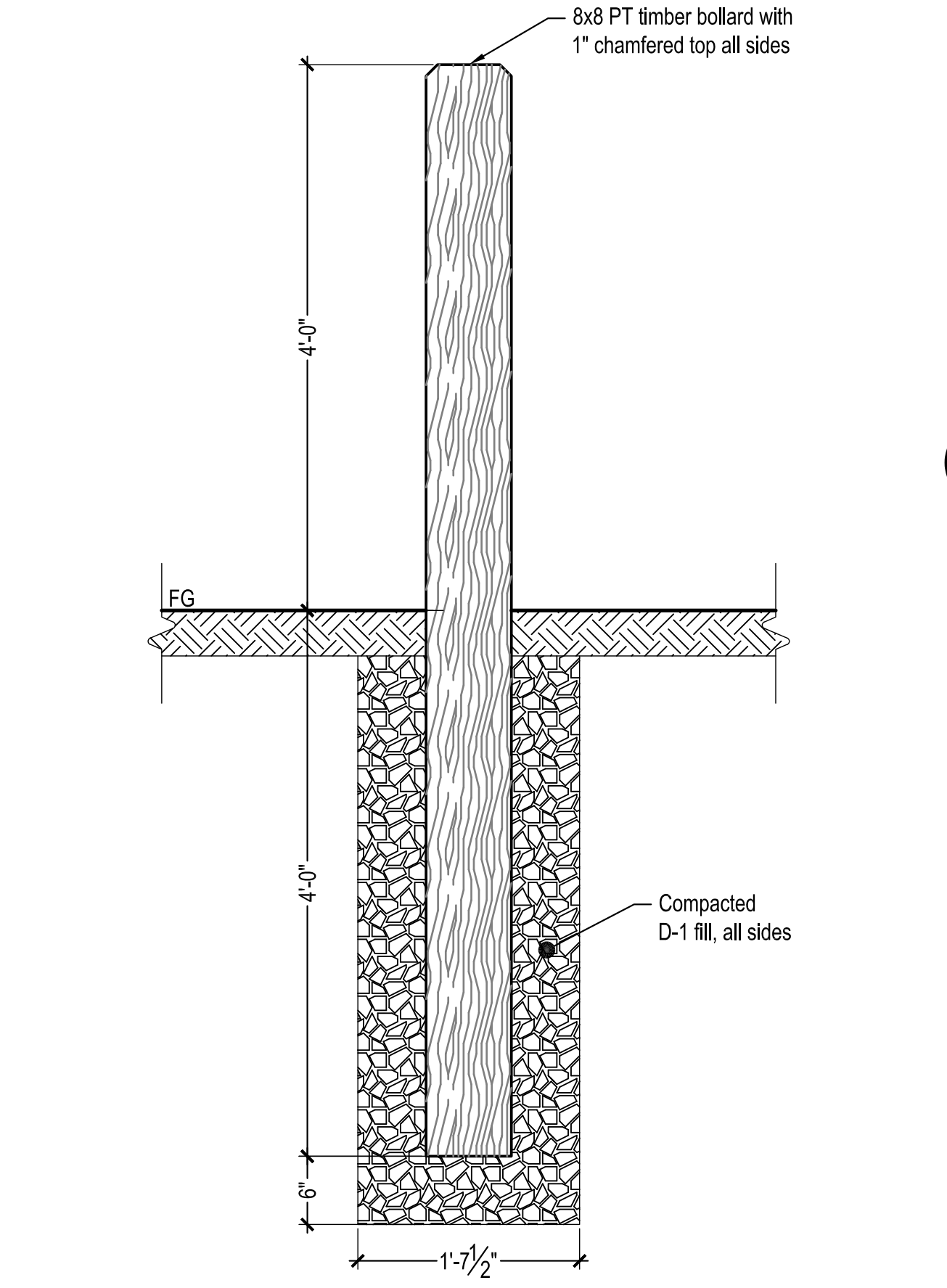
Table 2: Inspection Checklist (MASS)

Inspection Type	Date Performed	Inspection Notes
Plant Material Acceptance (Prior to Installation)		
Seeding Acceptance Inspection (upon completion of all seeding or sod installation)		
Initial Planting Operations - Substantial (upon completion of all landscape related work)		
Initial Planting Operations - Acceptance (upon completion of all landscape related work)		
Landscape Acceptance Inspection (upon completion of the Plant Establishment Period)		

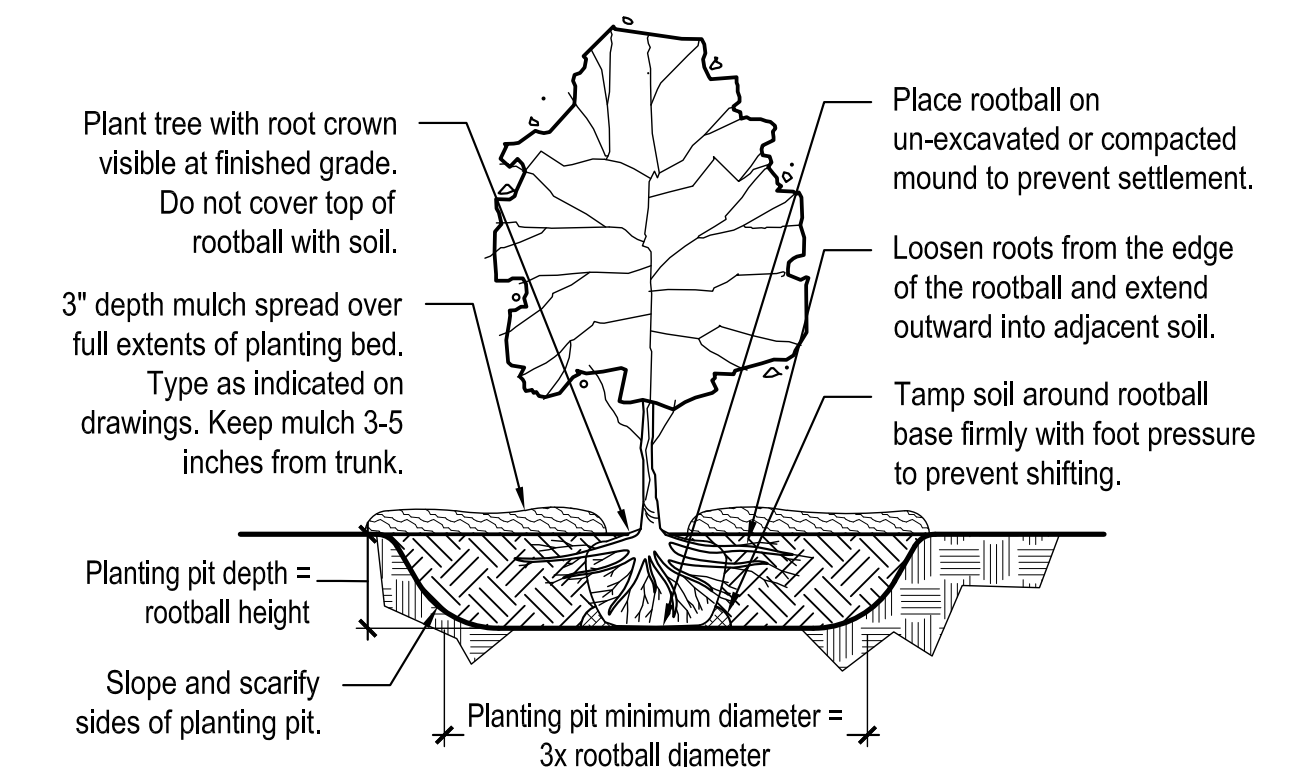
8 MASS Notes
SCALE: NTS @22x34

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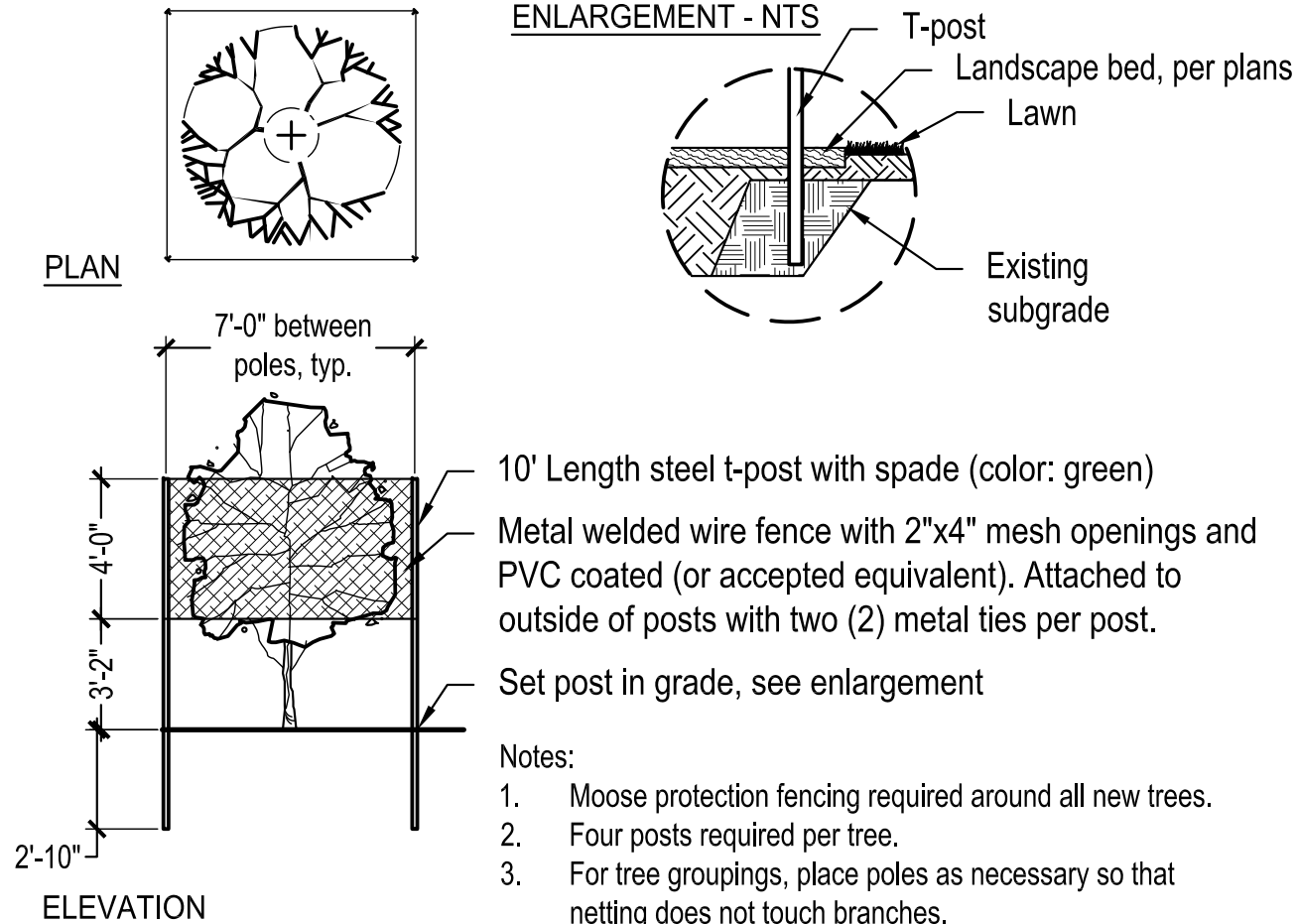


5 Bollard
SCALE: 1" = 1'-0" @22x34



- Notes:
1. To prevent settlement, thoroughly water planting soil while backfilling.
 2. Do not fertilize at time of installation.
 3. As appropriate, remove all pots, twine, wire and top half of burlap from rootball.

2 Deciduous Tree Planting
SCALE: NTS @22x34



3 Moose Protection
SCALE: NTS @22x34

- Notes:
1. Moose protection fencing required around all new trees.
 2. Four posts required per tree.
 3. For tree groupings, place poles as necessary so that netting does not touch branches.

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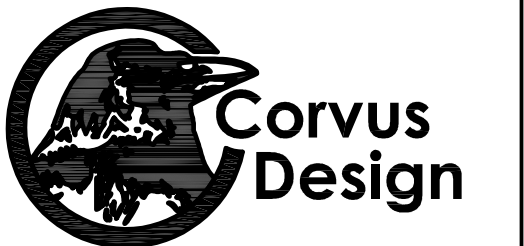
SEAL:
STATE OF ALASKA
49TH
Peter D. Briggs
2/8/2024
No. 10737
PROFESSIONAL LANDSCAPE ARCHITECT
Corporate License #1195

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100% CONSTRUCTION DOCUMENTS
ANCHORAGE, AK

DATE: 02/08/2024
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DETAILS
SHEET #:
L501

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Mechanical and Electrical Consulting Engineers

670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
(907)276-6521
Corporate No.: AECC542

SEAL:



ANCHORAGE SCHOOL DISTRICT
WEST-ROMIG SITE IMPROVEMENTS
 100% CONSTRUCTION DOCUMENTS
 ANCHORAGE, AK

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DATE: 02/08/2024
JOB NUMBER: M3198
DRAWN BY: FWS
CHECKED BY: JAM,TEH

ELECTRICAL LEGEND

SHEET #:
E101

NOTIFICATION OF CHILD OCCUPIED FACILITY:

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NOTIFICATION OF POTENTIAL HAZARDS:

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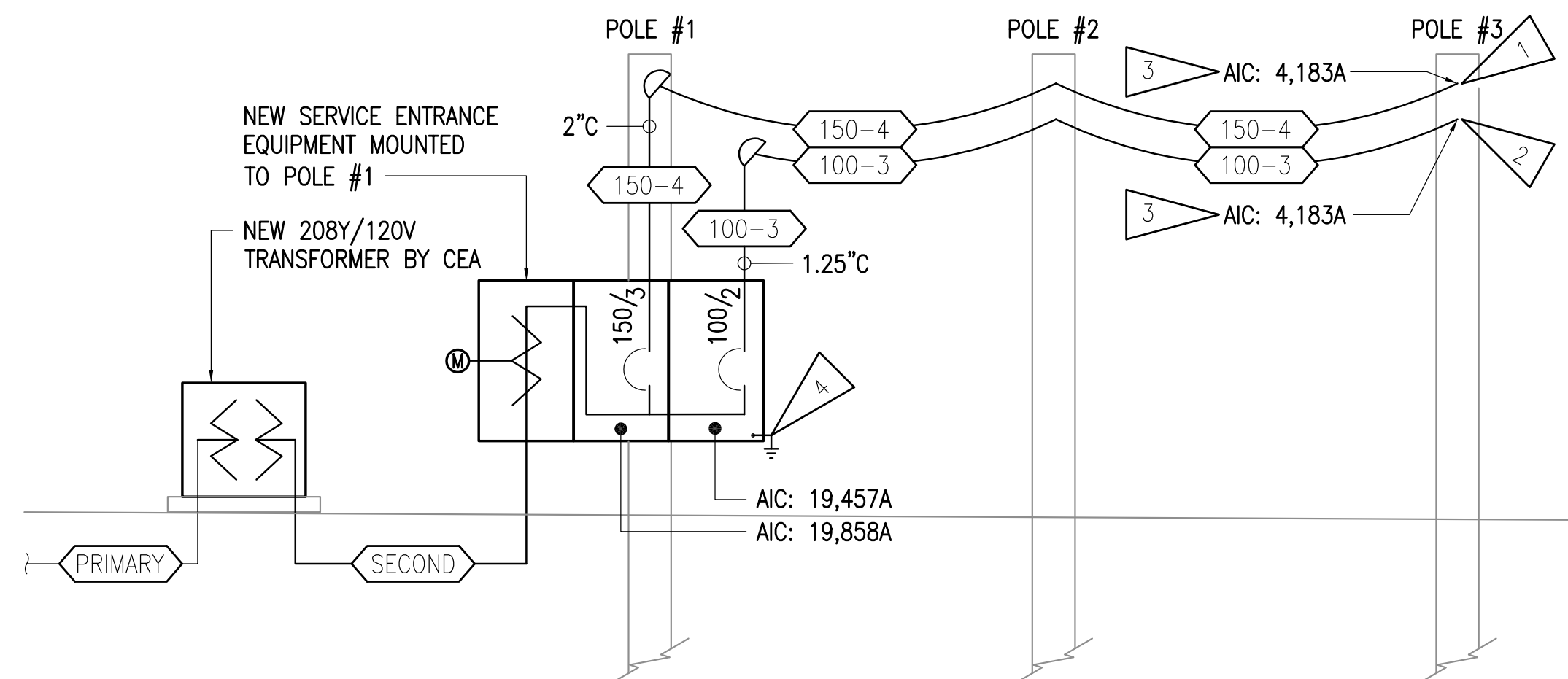
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FEEDER SCHEDULE

TAG	FEEDERS
PRIMARY	EXISTING PRIMARY SERVICE BY CEA
SECOND	NEW 2.5°C BY CONTRACTOR, SECONDARY CONDUCTORS BY CEA
100-3	3#2/0 AWG, 1#0 BARE (AS GROUND), AL, QUADRUPLX, XLP
150-4	3#3/0 AWG, 1#3/0 BARE (AS GROUND), AL, QUADRUPLX, XLP 1#3/0 AWG WRAPPED AROUND ASSEMBLY FOR NEUTRAL.

DETAIL NOTES:

- PROVIDE AND INSTALL 4-PORT POLARIS CONNECTOR AND (3) BLANK PLUGS FOR EACH CONDUCTOR. FINAL CONNECTION FROM POLE #3 TO RELOCATABLES TO BE PERFORMED BY ASD.
- PROVIDE AND INSTALL 2-PORT POLARIS CONNECTOR AND (1) BLANK PLUG FOR EACH CONDUCTOR. FINAL CONNECTION FROM POLE #3 TO RELOCATABLE TO BE PERFORMED BY ASD.
- AIC RATING SHOWN IS CALCULATED AT RELOCATABLE CONNECTION POINT TO VERIFY FAULT CURRENT IS LESS THAN 10kAIC. FAULT VALUE IS CALCULATED WITH (3) RELOCATABLES CONNECTED ON 3Ø CIRCUIT AND (1) RELOCATABLE CONNECTED ON 1Ø CIRCUIT.
- SEE 4/E102 FOR GROUNDING DETAIL.



1 RELOCATABLE CLASSROOM POWER ONE-LINE
NO SCALE

LEGEND

	POLE MOUNTED AREA LIGHT - OUTDOORS, WEATHERPROOF	AFG	ABOVE FINISHED GRADE
	FIXTURE TAG (LETTER INDICATES TYPE)	C	CONDUIT
	CONDUIT, CONCEALED	CEA	CHUGACH ELECTRIC ASSOCIATION
	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #10)	CO	CONDUIT ONLY
	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)	E	DENOTES EXISTING ITEM
	OVERHEAD ELECTRICAL LINE	GPON	GIGABIT-CAPABLE PASSIVE OPTICAL NETWORK
	UNDERGROUND ELECTRICAL LINE	K	KELVIN
	UNDERGROUND TELECOMMUNICATIONS LINE	LED	LIGHT EMITTING DIODE
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	LM	LUMENS
	PADMOUNT TRANSFORMER, NIC	NEC	NATIONAL ELECTRICAL CODE
	IN GRADE EXTERIOR JUNCTION BOX	NIC	NOT IN CONTRACT
	IP VIDEO CAMERA (POLE MOUNTED)	POE	POWER OVER ETHERNET
	NOTE TAG (No. INDICATES NOTE)	TYP	TYPICAL
		WP	WEATHERPROOF

LIGHT FIXTURE SCHEDULE

TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING		LAMPS	BALLAST/DRIVER	TOTAL INPUT WATTS
				TYPE	HEIGHT			
A	AS SHOWN	LITHONIA #DSX1 LED P3 40K 70 CRI T4M HVOLT SPA NLTAIR2 PIRHN DDBXD DF	AREA LIGHT, TYPE 4 MEDIUM DISTRIBUTION, INTEGRAL NLIGHT AIR, DARK BRONZE FINISH, FUSED, 14.26LBS, 0.69FT ² EPA	POLE MOUNT	26FT AFG	4,000K LED 13,968 LM	277-480V LED DRIVER	102
B	AS SHOWN	LITHONIA #DSX1 LED P2 40K 70 CRI RCOO HVOLT SPA NLTAIR2 PIRHN DDBXD DF	AREA LIGHT, RIGHT CORNER CUTOFF DISTRIBUTION, INTEGRAL NLIGHT AIR, DARK BRONZE FINISH, FUSED, 14.26LBS, 0.69FT ² EPA	POLE MOUNT	26FT AFG	4,000K LED 5,573 LM	277-480V LED DRIVER	51
C	AS SHOWN	LITHONIA #DSX1 LED P3 40K 70 CRI BLC4 HVOLT SPA NLTAIR2 PIRHN DDBXD DF	AREA LIGHT, TYPE 4 MEDIUM DISTRIBUTION, BACKLIGHT CONTROL, INTEGRAL NLIGHT AIR, DARK BRONZE FINISH, FUSED, 14.26LBS, 0.69FT ² EPA	POLE MOUNT	26FT AFG	4,000K LED 10,340 LM	277-480V LED DRIVER	102
POLE	AS SHOWN	LITHONIA #SSS 25' 5C DM19AS VD DDBXD	25FT SQUARE STRAIGHT STEEL POLE, PRE-DRILLED MOUNTING FOR TYPES A, B, OR C FIXTURES ABOVE, DARK BRONZE FINISH	SEE 1/E102	SEE 1/E102	N/A	N/A	N/A

RELOCATABLES ARE 208V SINGLE PHASE BUILDINGS. BUILDINGS WILL BE CONNECTED TO THREE PHASE SERVICE, ROTATING PHASES TO BALANCE THE LOAD ON THE SERVICE TO THE EXTENT POSSIBLE.

RELOCATABLE LOAD 16.5 kVA

	AØ	BØ	CØ
RELOCATABLE #1	8.25	8.25	
RELOCATABLE #2		8.25	8.25
RELOCATABLE #3	8.25		8.25
RELOCATABLE #4	8.25	8.25	
TOTAL(kVA)	24.75	24.75	16.5
TOTAL(AMPS)	206.25	206.25	137.5

RECOMMENDED SERVICE SIZE 250A

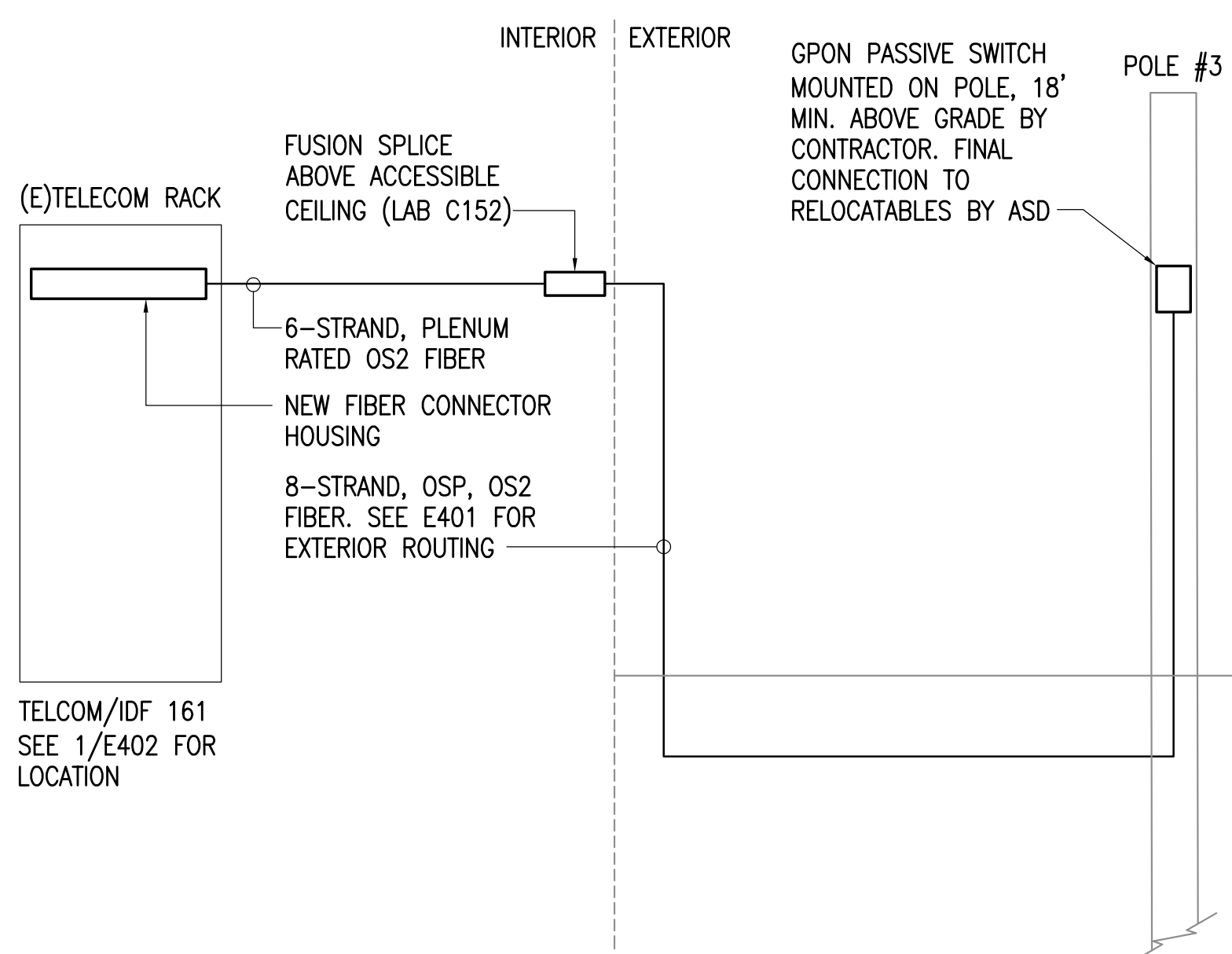
SHORT CIRCUIT CALCULATION SUMMARY

FAULT ANALYSIS WAS PERFORMED USING POINT-TO-POINT METHOD. THE FOLLOWING ARE THE UTILITY CONTRIBUTION AND EQUIPMENT ASSUMPTIONS:

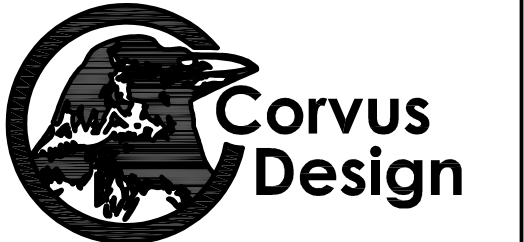
AVAILABLE FAULT CURRENT AT UTILITY XFMR: INFINITE BUS
 UTILITY TRANSFORMER SIZE: 300 KVA
 UTILITY TRANSFORMER IMPEDENCE: 3.00 %
 SERVICE LATERAL # PARALLEL RUNS: 1 EA
 SERVICE LATERAL SIZE: #250 KCMIL Cu
 SERVICE LATERAL LENGTH: 30 FEET
 SERVICE LATERAL CONDUIT TYPE: PVC
 TOTAL MOTOR CONTRIBUTIONS: 0 AMPS

AVAILABLE FAULT CURRENT AT METER: 20218 A RMS (SYM)

NOTE: VERIFY THE ABOVE TRANSFORMER RATINGS AND SERVICE LATERAL SIZE/TYPE WITH LOCAL UTILITY PRIOR TO ORDERING EQUIPMENT. ADJUST EQUIPMENT SHORT CIRCUIT RATINGS ACCORDINGLY BASED ON ACTUAL EQUIPMENT INSTALLED BY UTILITY. INSTALL LABEL ON SERVICE EQUIPMENT INDICATING DATE AND FINAL CALCULATION RESULTS PER NEC 110.24.



2 RELOCATABLE CLASSROOM SIGNAL ONE-LINE
NO SCALE



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CHECKED BY: JAM,TEH

ELECTRICAL DETAILS
SHEET #:
E102

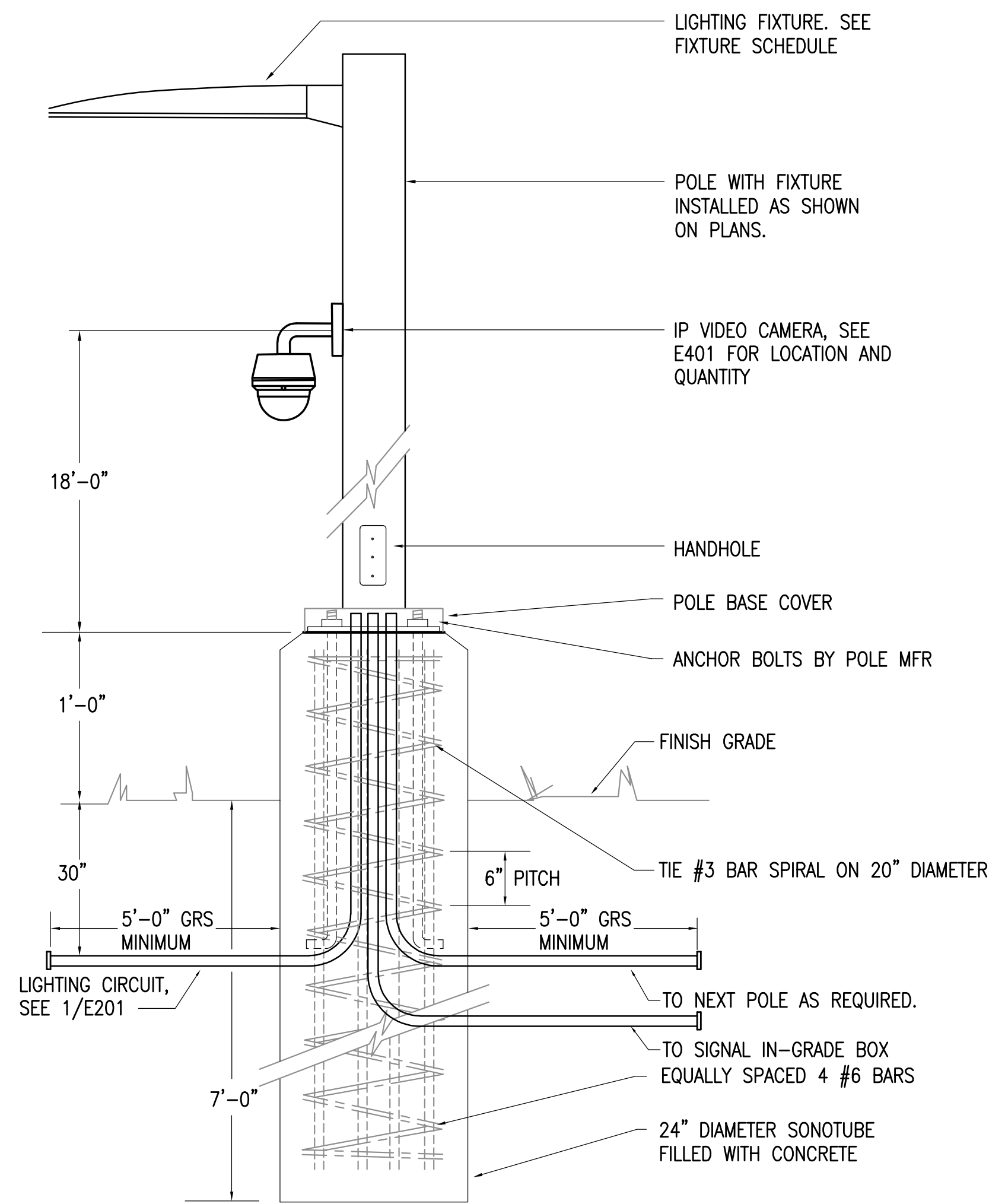
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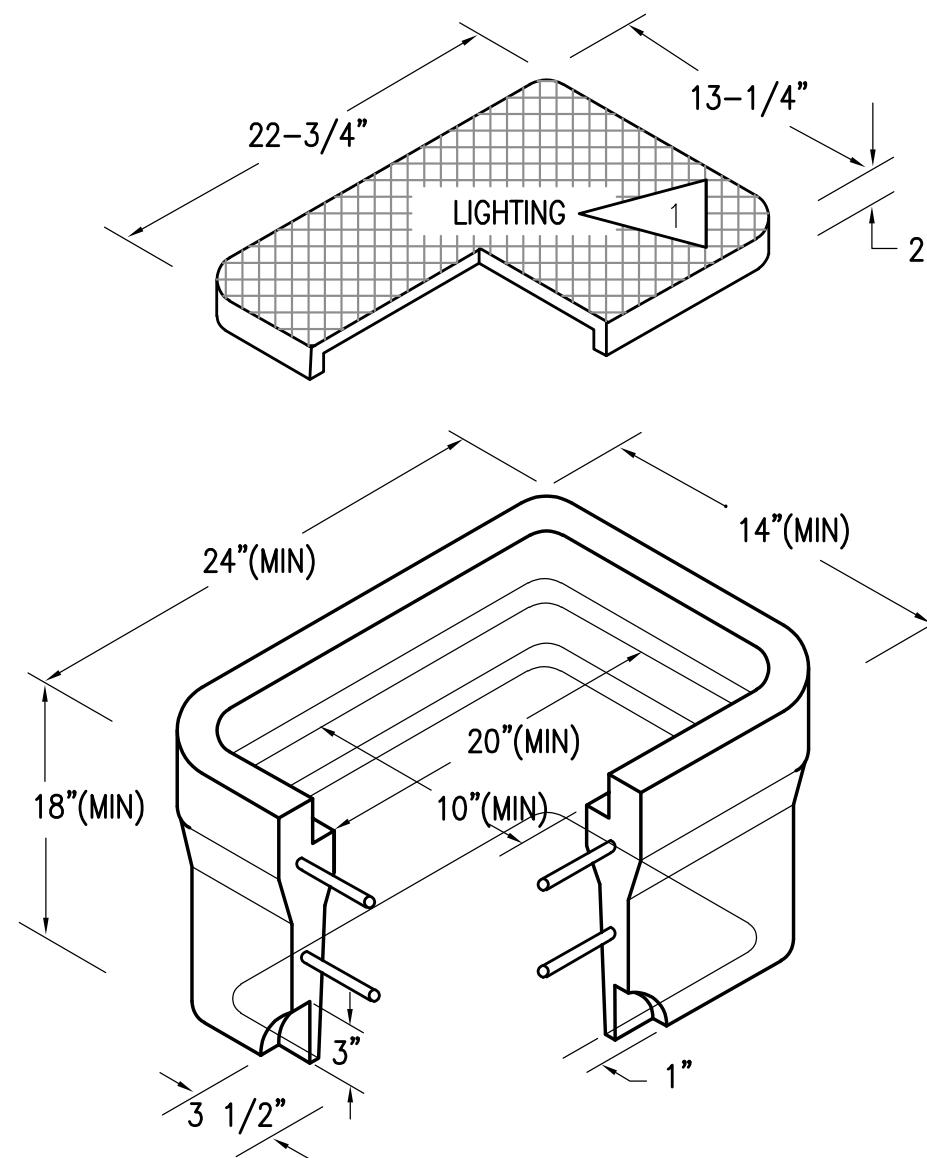
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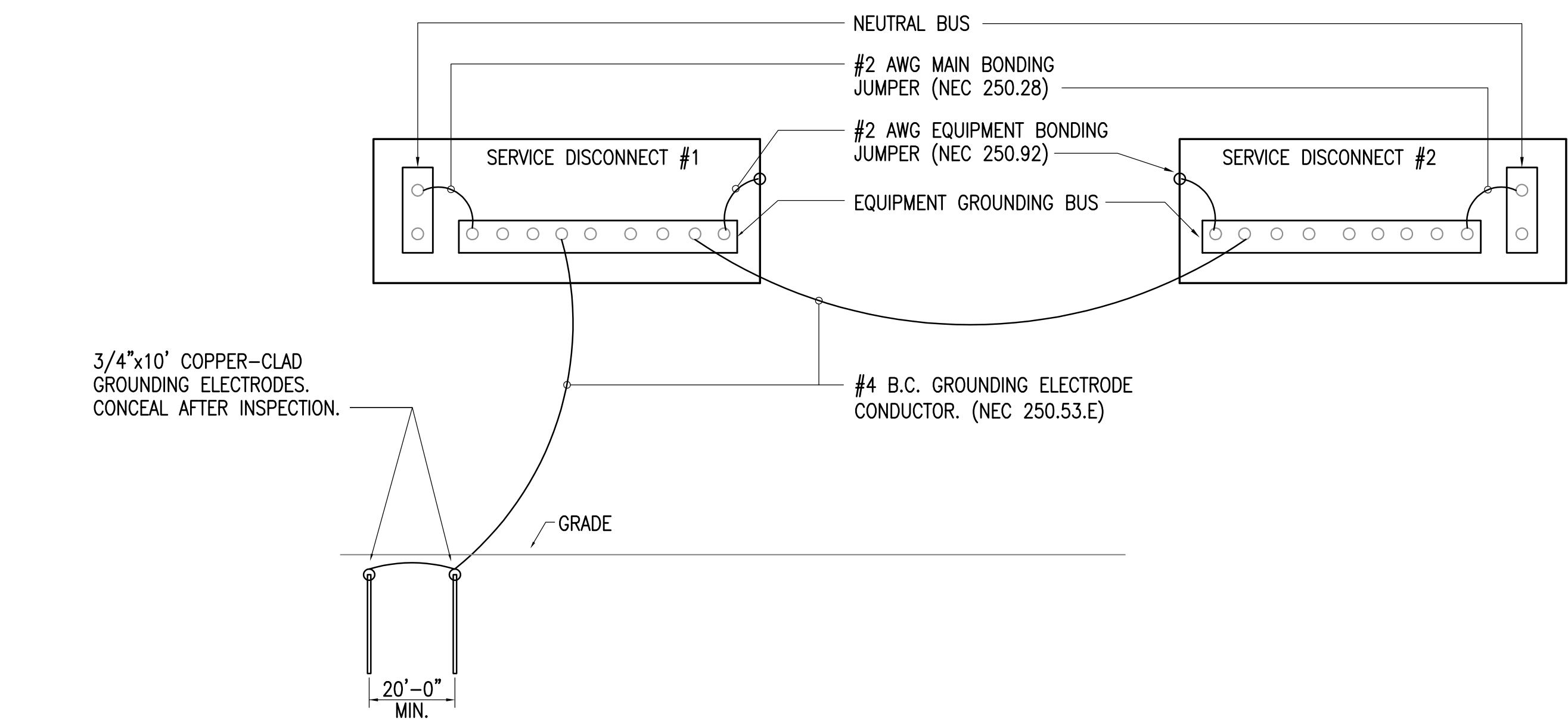
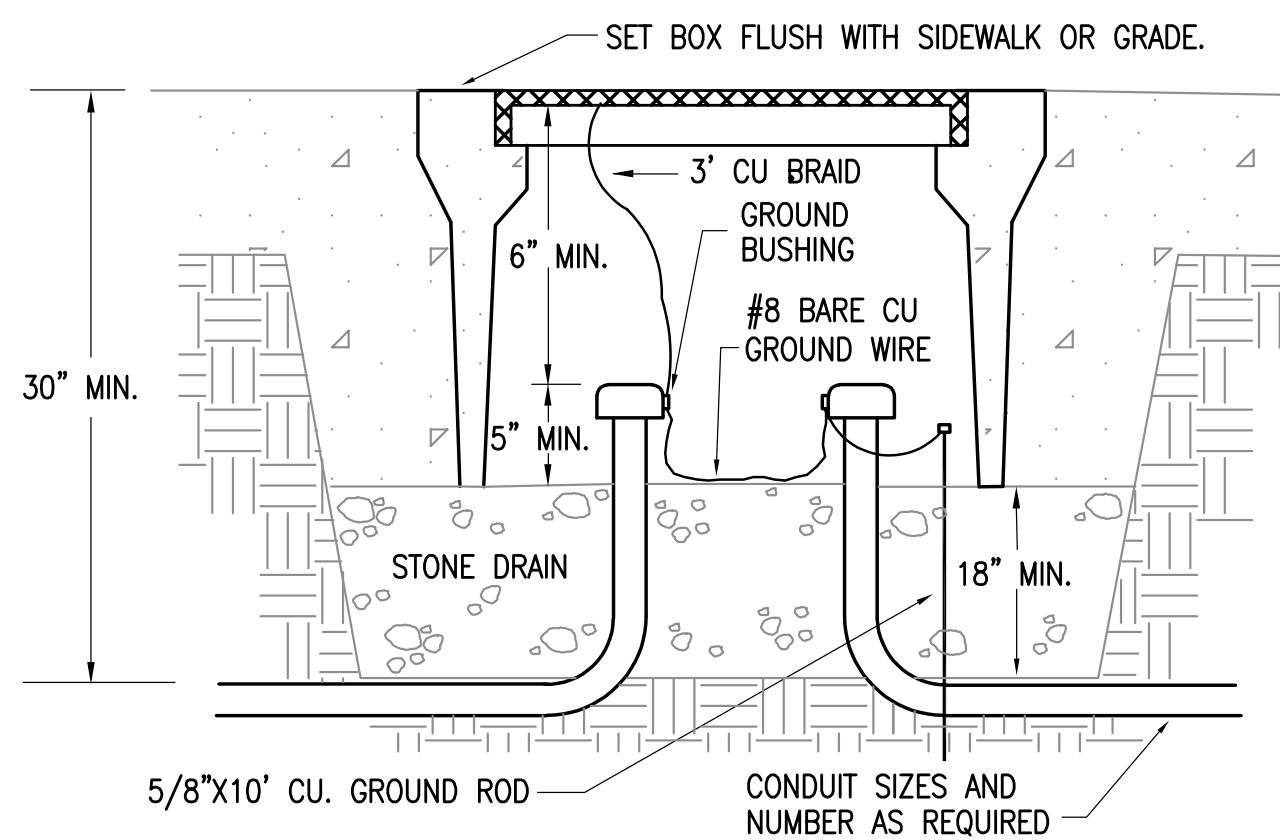
1 POLE BASE DETAIL
NO SCALE



2 TYPE 1A IN-GRADE BOX DETAIL
NO SCALE

DETAIL NOTES:

1. PROVIDE COVER LABEL WITH "COMMUNICATION" FOR LOW-VOLTAGE SIGNAL BOXES.



3 TRENCH DETAIL
NO SCALE

4 GROUNDING DETAIL
NO SCALE

Drawing C:\2023\W3198\M3198 - ESeries.dwg last saved on 2/6/2024 2:58 PM was plotted by Frank Silberer on 2/8/2024 1:03 PM

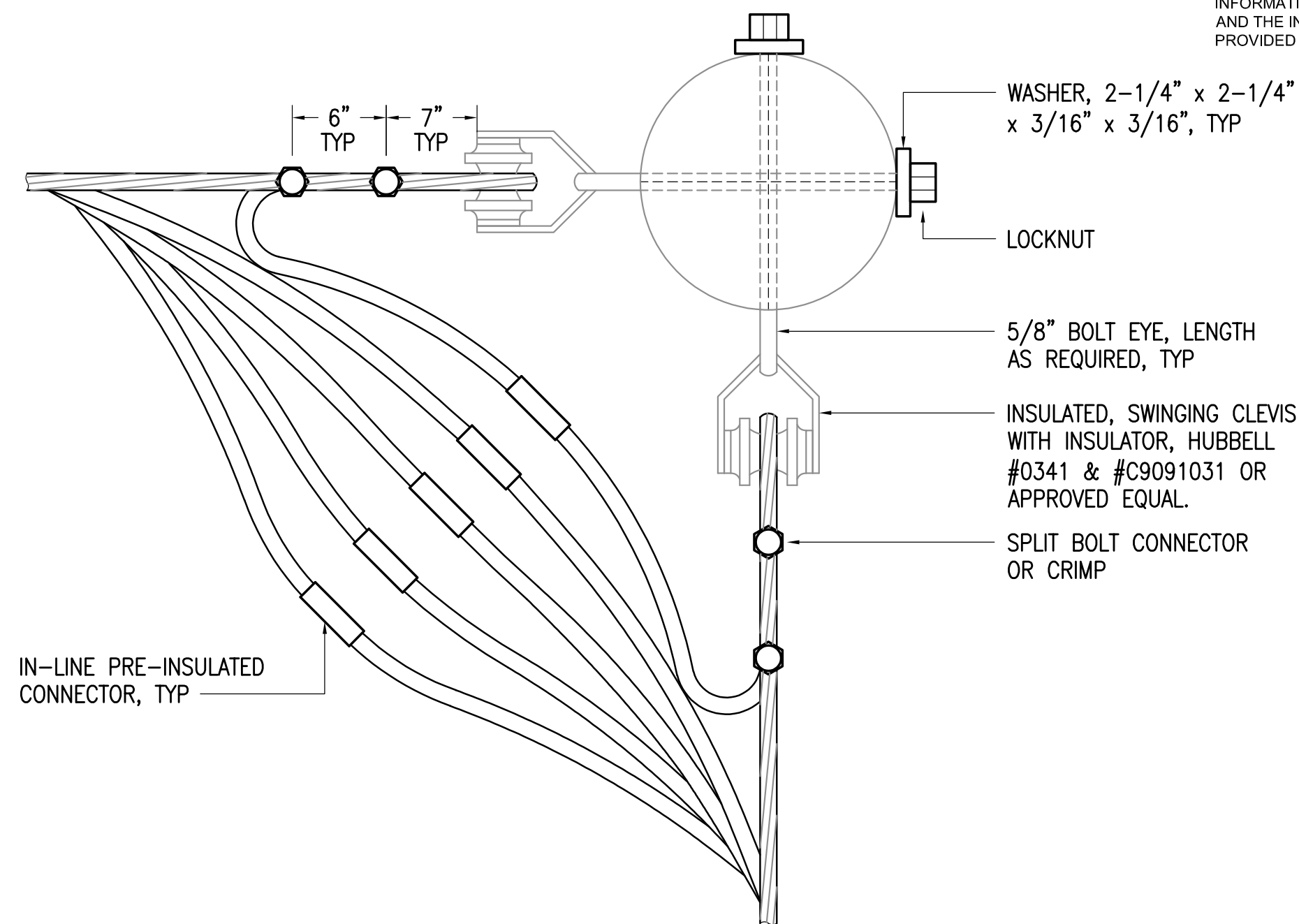
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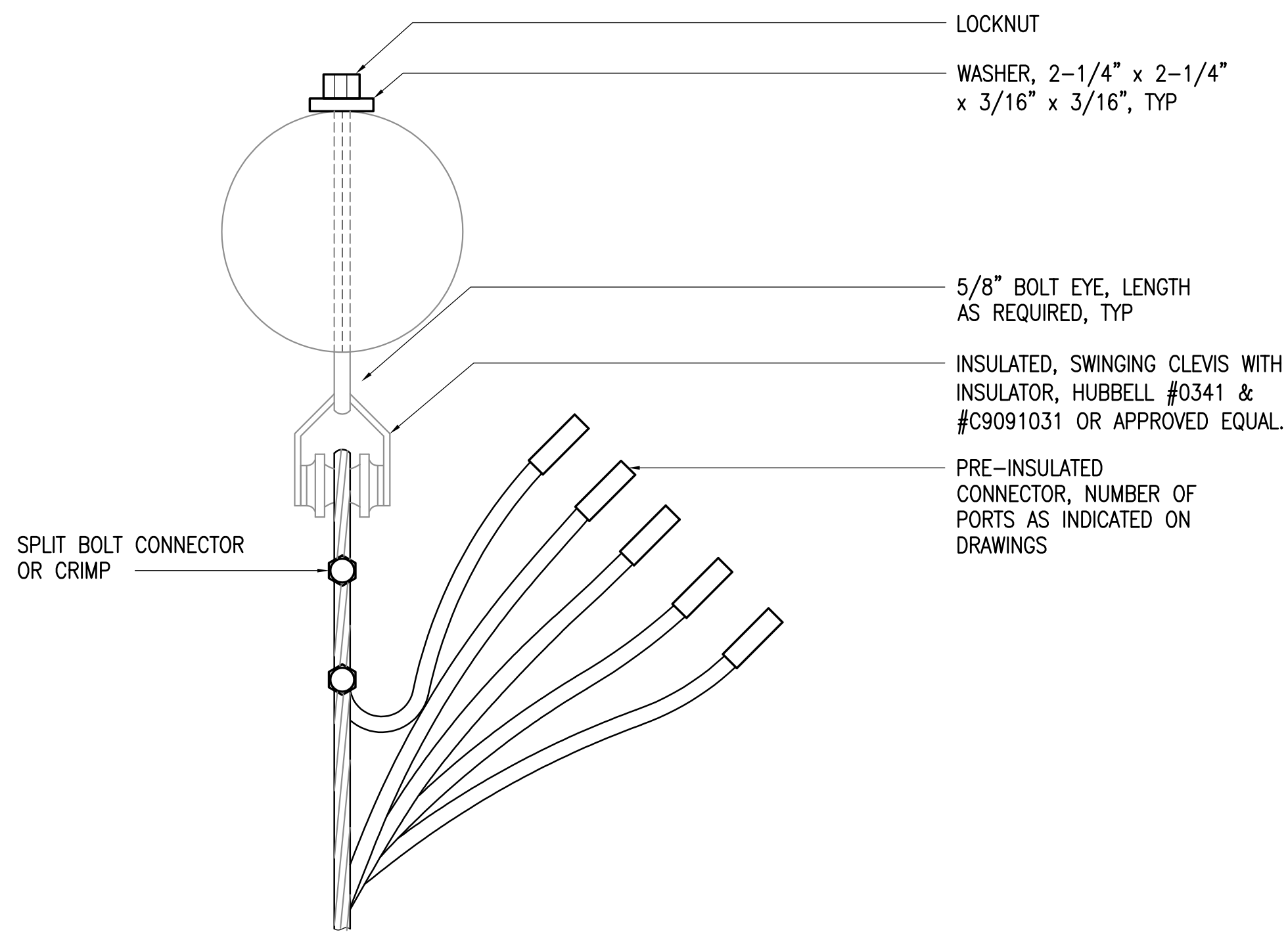
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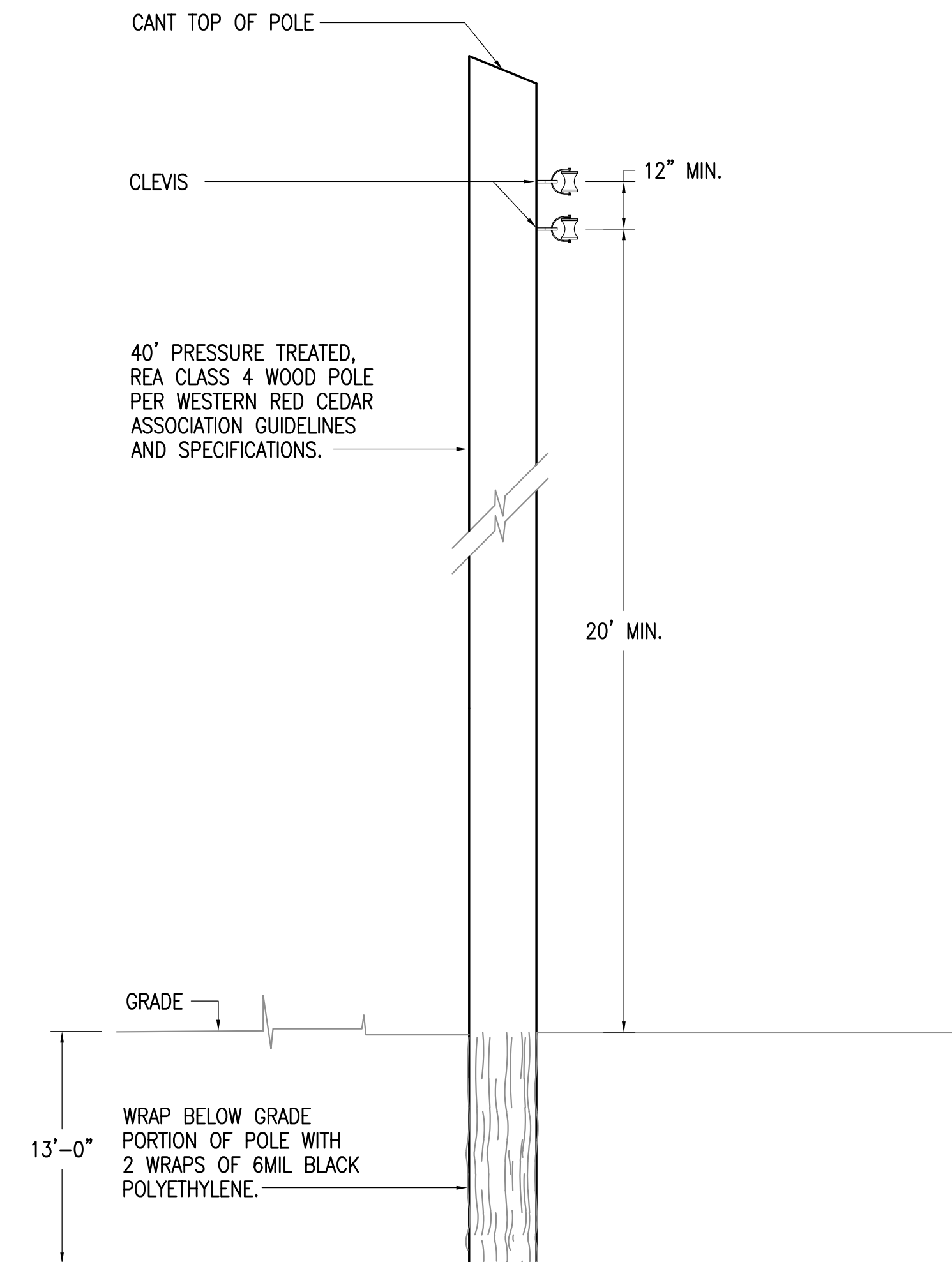
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1 POLE ASSEMBLY 90°
NOT TO SCALE



2 POLE ASSEMBLY TERMINATION
NOT TO SCALE

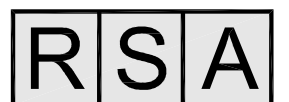


3 WOOD POLE DETAIL
NOT TO SCALE



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ELECTRICAL DETAILS

SHEET #:

E103

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GENERAL NOTES:

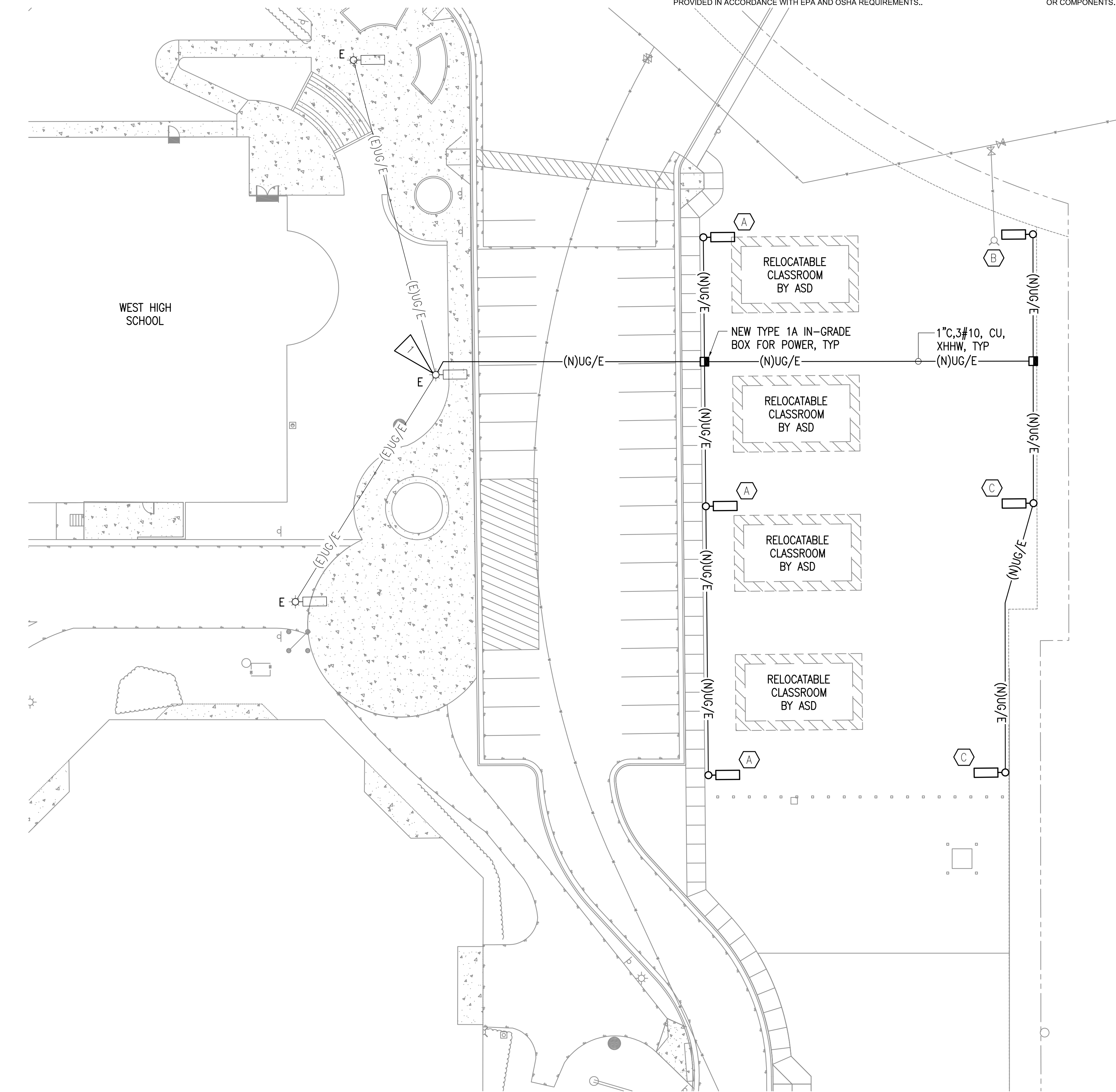
- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- B. SEE 1/E102 FOR POLE BASE DETAIL.
- C. SEE 2/E102 FOR IN-GRADE BOX DETAIL.
- D. SEE 3/E102 FOR TRENCHING DETAIL.
- E. UNLESS OTHERWISE NOTED, BELOW GRADE POWER CONDUITS SHALL BE GALVANIZED RIGID STEEL.
- F. UNLESS OTHERWISE NOTED, BELOW GRADE SIGNAL CONDUITS SHALL BE HDPE.

SHEET NOTES:

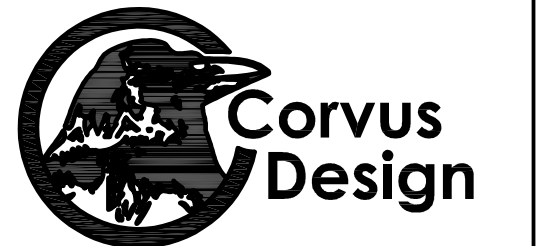
- 1. CONNECT NEW SITE LIGHTING TO EXISTING EXTERIOR LIGHTING CIRCUIT.

SITE LIGHTING ANALYSIS		
MINIMUM HORIZONTAL ILLUMINANCE: FOOTCANDLES	REQUIRED: .5 fc	DESIGNED: 0.5 fc
UNIFORMITY RATIO, Max/Min:	REQUIRED: 15:1	DESIGNED: 9.33:1

THE PARKING AREA LIGHTING MEETS THE LEVEL OF ILLUMINATION, UNIFORMITY RATIOS AND MINIMUM LUMEN INTENSITIES SPECIFIED IN THE ILLUMINATION GUIDELINES SET BY THE ILLUMINATING ENGINEERING SOCIETY, AND THE MUNICIPALITY OF ANCHORAGE TITLE 21, SECTION 21.07.100, IN ADDITION, THE LIGHTING SYSTEM HAS BEEN DESIGNED TO PREVENT GLARE TO MOTORISTS ON PUBLIC STREETS AND LIGHT TRESPASS ONTO ADJOINING PROPERTY.



1 SITE LIGHTING PLAN
1" = 20'-0"



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SITE LIGHTING PLAN

SHEET #:

E201

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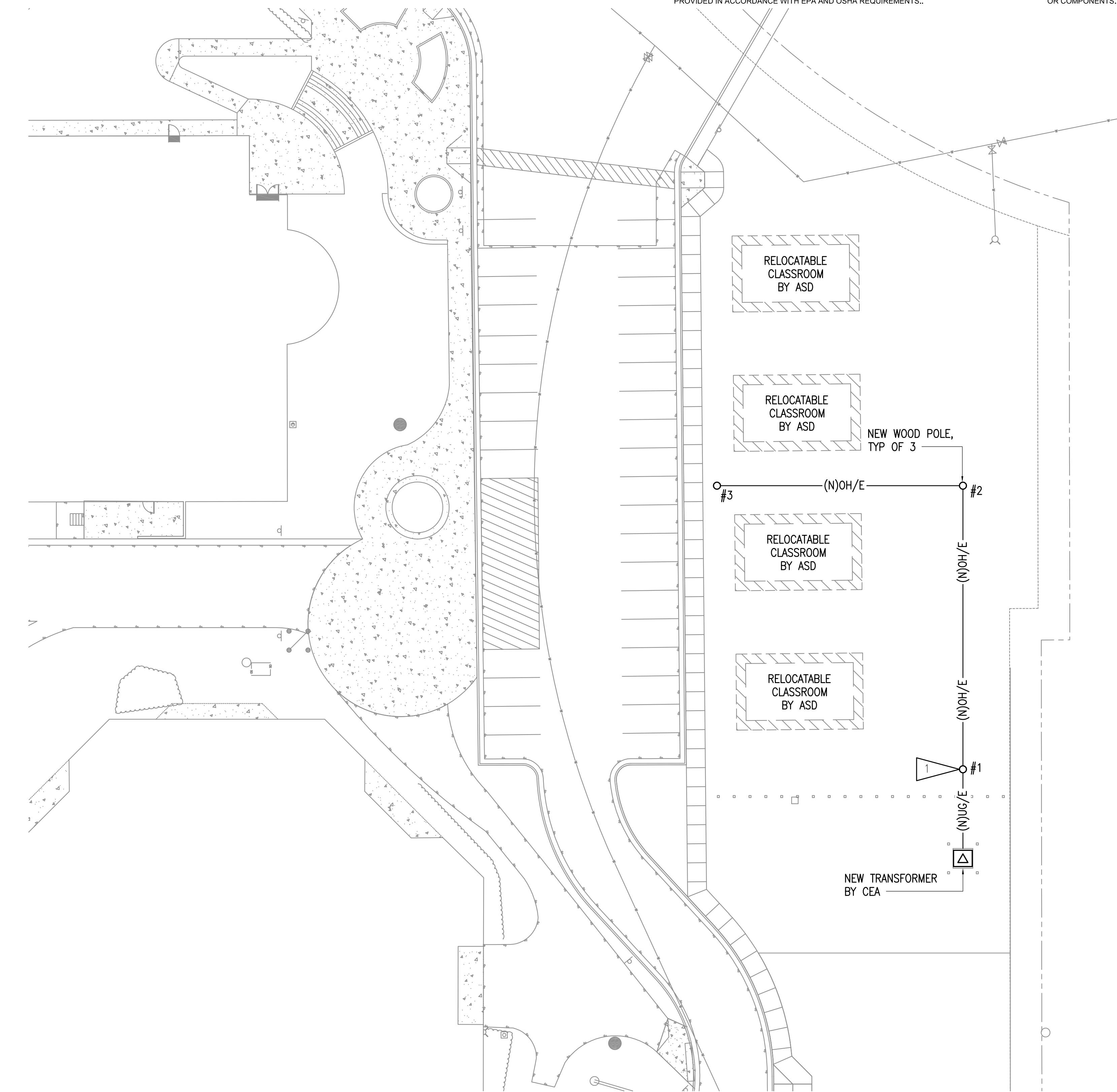
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GENERAL NOTES:

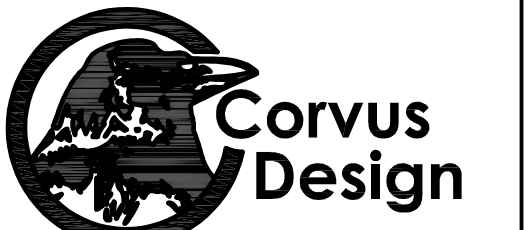
- A. SEE E201 FOR GENERAL NOTES.
- B. SEE E103 FOR POLE DETAILS.

SHEET NOTES:

- 1. NEW SERVICE ENTRANCE GEAR MOUNTED TO POLE. SEE 1/E101 FOR POWER ONE-LINE.



1 SITE POWER PLAN
1" = 20'-0"



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SITE POWER PLAN
SHEET #:

E301

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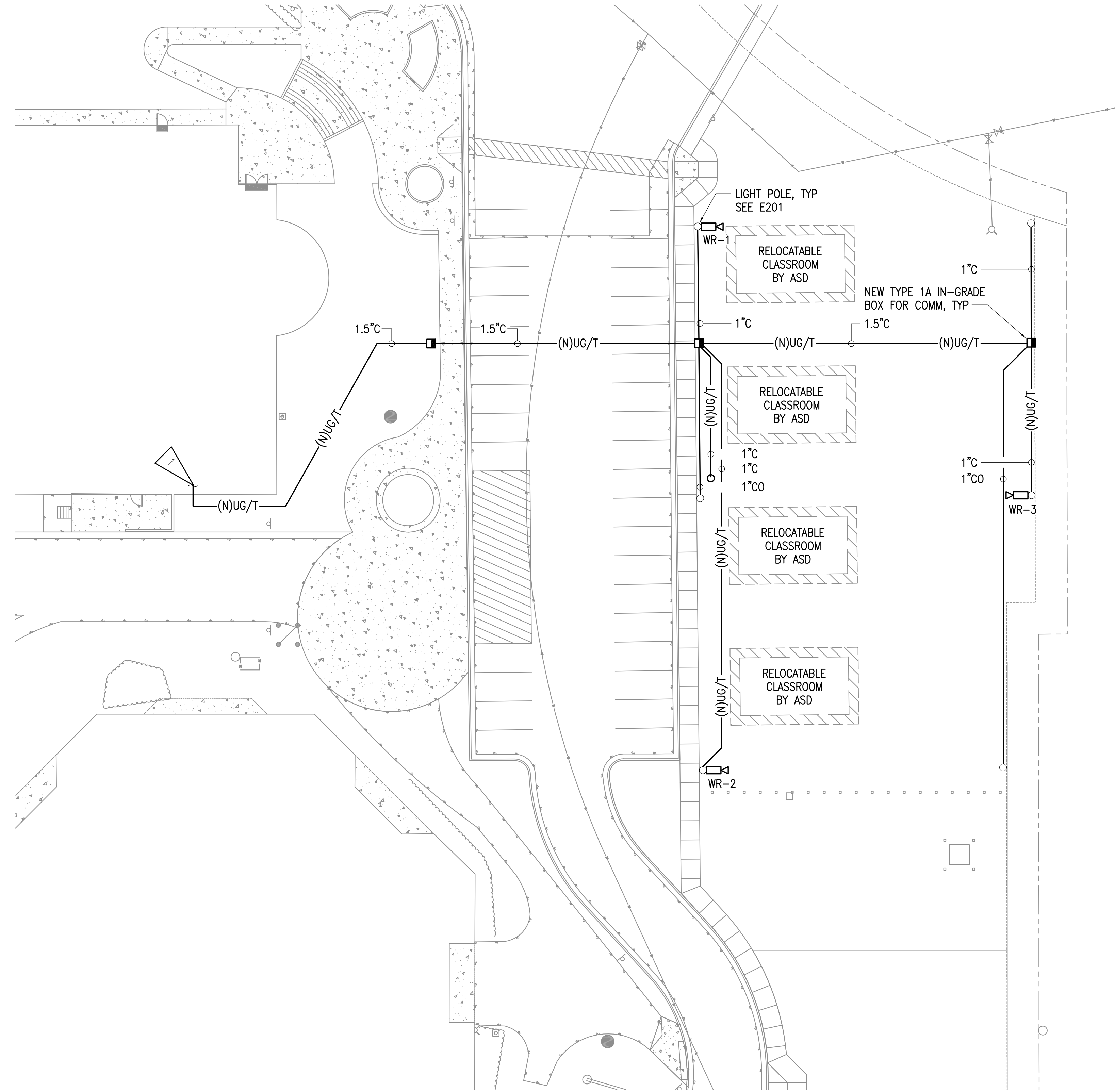
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GENERAL NOTES:

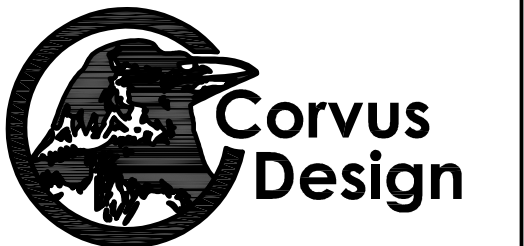
- A. SEE E201 FOR GENERAL NOTES.
- B. SEE 1/E501 FOR VIDEO SYSTEM ONE-LINE DIAGRAM.

SHEET NOTES:

- 1. TRANSITION FROM BELOW GRADE TO ACCESSIBLE CEILING. SEE 1/E402.



1 SITE SIGNAL PLAN
1" = 20'-0"



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AECC #1195



Mechanical and
Electrical Consulting
Engineers

670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
(907) 276-6521
Corporate No.: AECC542

SEAL:



ANCHORAGE SCHOOL DISTRICT
WEST-ROMIG SITE IMPROVEMENTS
100% CONSTRUCTION DOCUMENTS
ANCHORAGE, AK

If the above dimension does not measure exactly 1", this drawing has been enlarged or reduced, affecting all scales.

DATE: 02/08/2024
JOB NUMBER: M3198
DRAWN BY: FWS
CHECKED BY: JAM,TEH

SITE SIGNAL PLAN
SHEET #:

E401

NOTIFICATION OF CHILD OCCUPIED FACILITY:

PORTIONS OF THIS BUILDING ARE CLASSIFIED AS A CHILD OCCUPIED FACILITY IN ACCORDANCE WITH 40 CFR 745 AND LEAD-BASED PAINTS MAY BE PRESENT ON COMPONENTS TO BE DISTURBED IN THOSE AREAS. PERSONNEL PERFORMING WORK IN THESE AREAS MUST COMPLY WITH THE REQUIREMENTS OF 40 CFR 745, INCLUDING TRAINING, WORK PRACTICES AND CLEANING OF THE WORK AREA. REFER TO SPECIFICATION DIVISIONS 0 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF LEAD MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS..

NOTIFICATION OF POTENTIAL HAZARDS:

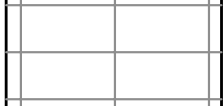
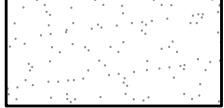

ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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GENERAL NOTES:

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- B. COORDINATE WITH ASD FOR EXACT RACK FOR TERMINATION OF NEW CABLING.

CEILING LEGEND

-  2X4 ACOUSTIC CEILING TILES
-  GYPSUM BOARD
-  OPEN TO STRUCTURE



1 WEST CTE REFERENCE PLAN
1/8" = 1'-0"



Corvus Design
Landscape Architecture
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WEST CTE REFERENCE PLAN
SHEET #:
E402

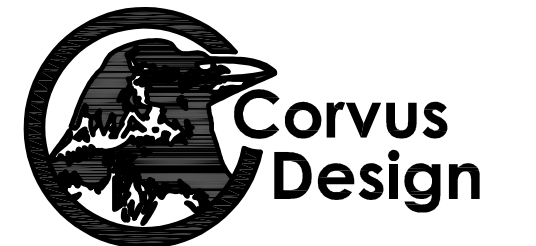
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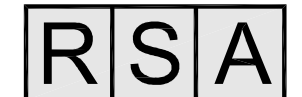
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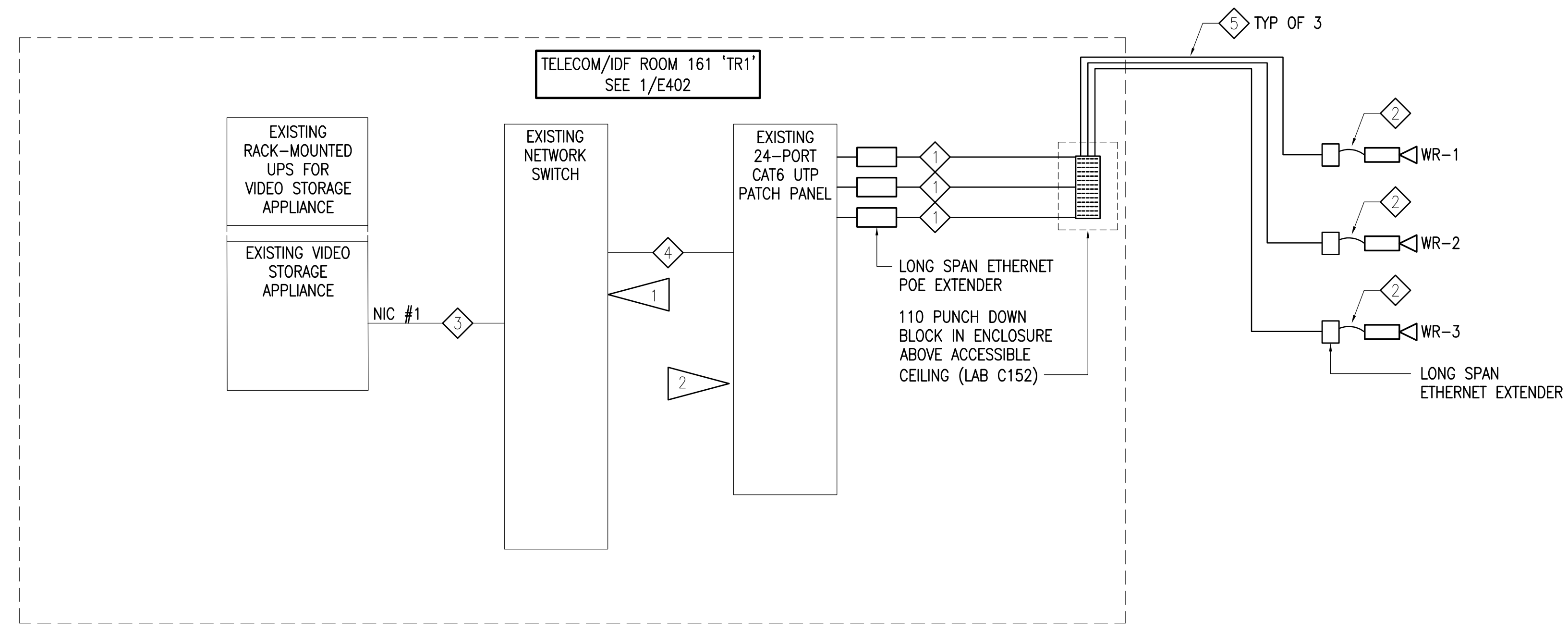


VIDEO SYSTEM CABLE SCHEDULE
(ALL CABLES SPECIFIED IN SECTION 27 10 00)

CABLE NUMBER	DESCRIPTION
1	NEW CAMERA PoE CABLE, CAT 6 UTP
2	NEW CAMERA FIELD PATCH CORD, CAT 6 UTP, EXTERIOR RATED, LENGTH AS REQUIRED.
3	EXISTING GIGABIT ETHERNET UPLINK PATCH CORD, CAT 6 UTP
4	EXISTING CROSS-CONNECT PATCH CORD, CAT 6 UTP
5	NEW OUTSIDE PLANT CAT 6 UTP

VIDEO SYSTEM CAMERA SCHEDULE

CAMERA DESIGNATION	CAMERA LOCATION (SEE 1/E401)	INTENDED COVERAGE AREA	CAMERA TYPE	BASIS OF DESIGN MODEL #	MOUNTING TYPE
WR-1	NORTHWEST LIGHT POLE.	GENERAL COVERAGE OF CROSSWALK, PARKING & FIELD.	(4) 4MP MULTI-SENSOR	AXIS #P3737-PLE	ARM-MOUNTED
WR-2	SOUTHWEST LIGHT POLE.	GENERAL COVERAGE OF CROSSWALK, PARKING & FIELD.	(4) 4MP MULTI-SENSOR	AXIS #P3737-PLE	ARM-MOUNTED
WR-3	EAST LIGHT POLE.	GENERAL COVERAGE OF FIELD.	(4) 4MP MULTI-SENSOR	AXIS #P3737-PLE	ARM-MOUNTED



DETAIL NOTES:

- EXISTING PoE NETWORK SWITCHES IN EXISTING TELECOM RACKS SHALL BE UTILIZED FOR CAMERA SYSTEM. CONFIRM PORT ASSIGNMENT WITH ASD.
- TERMINATE HORIZONTAL CABLE ON EXISTING PATCH PANEL IN EXISTING RACK IN TELECOM CLOSET.
- COORDINATE WITH ASD FOR FINAL CAMERA DESIGNATION.

1 VIDEO SYSTEM ONE-LINE DIAGRAM
NO SCALE

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VIDEO SYSTEM ONE-LINE DIAGRAM

SHEET #:
E501