



**FORM P3: ADMINISTRATIVE DECISIONS AND MINOR AMENDMENTS**

A single PDF file of the complete application including all plans and documents being submitted must be emailed to [PLNDRS@cabq.gov](mailto:PLNDRS@cabq.gov) prior to making a submittal. Zipped files or those over 9 MB cannot be delivered via email, in which case the PDF must be provided on a CD.

**INFORMATION REQUIRED FOR ALL ADMINISTRATIVE DECISIONS OR AMENDMENTS**

- Letter of authorization from the property owner if application is submitted by an agent
- Zone Atlas map with the entire site clearly outlined and labeled

**ARCHEOLOGICAL CERTIFICATE**

- Archaeological Compliance Documentation Form with property information section completed
- Only the information above is required unless the City Archaeologist determines that the application does not qualify for a Certificate of No Effect, in which case a treatment plan prepared by a qualified archaeologist that adequately mitigates any archeological impacts of the proposed development must be submitted and reviewed for a Certificate of Approval per the criteria in IDO Section 14-16-6-5(A)(3)(b)

**MINOR AMENDMENT TO SITE PLAN – ADMIN, EPC, or DRB**

- Justification letter describing, explaining, and justifying the request per the criteria in IDO Section 14-16-6-4(Y)(2)
- The approved Site Plan being amended
- Copy of the Official Notice of Decision associated with the prior approval
- The proposed Site Plan, with changes circled and noted  
*Refer to the Site Plan Checklist for information needed on the proposed Site Plan.*
- Completed Site & Building Design Considerations Form in accordance with IDO Section 5-2(D) for new commercial and multifamily development except if the development is industrial or the multifamily is less than 25 units

**Minor Amendments must be within the thresholds established in IDO TABLE 6-4-4. Any amendment beyond these thresholds is considered a Major Amendment and must be processed through the original decision-making body for the request.**

**MINOR AMENDMENT TO SITE DEVELOPMENT PLAN APPROVED PRIOR TO THE EFFECTIVE DATE OF THE IDO**

- Justification letter describing, explaining, and justifying the request per the criteria in IDO Section 14-16-6-4(Z)(1)(a)
- The approved Site Development Plan being amended
- Copy of the Official Notice of Decision associated with the prior approval
- The proposed Site Development Plan, with changes circled and noted  
*Refer to the Site Plan Checklist for information needed on the proposed Site Plan.*
- Completed Site & Building Design Considerations Form in accordance with IDO Section 5-2(D) for new commercial and multifamily development except if the development is industrial or the multifamily is less than 25 units

**Minor Amendments must be within the thresholds established in IDO TABLE 6-4-4. Any amendment beyond these thresholds is considered a Major Amendment and must be processed through the original decision-making body for the request.**

**ACCELERATED EXPIRATION SITE PLAN**

- Justification letter describing, explaining, and justifying the request per the criteria in IDO Section 14-16-6-4(X)(2)(c)
- Site Plan to be Expired

**ALTERNATIVE SIGNAGE PLAN**


- Proposed Alternative Signage Plan compliant with IDO Section 14-16-5-12(F)(5)
- Justification letter describing, explaining, and justifying the request per the criteria in IDO Section 14-16-6-5(C)(3)(b)
- Required notices with content per IDO Section 14-16-6-4(K)
  - Office of Neighborhood Coordination notice inquiry response and proof of emailed notice to affected Neighborhood Association representatives
  - Sign Posting Agreement

**ALTERNATIVE LANDSCAPE PLAN**

- Justification letter describing, explaining, and justifying the request per the criteria in IDO Section 14-16-5-6(C)(16)
- Landscape Plan

**I, the applicant or agent, acknowledge that if any required information is not submitted with this application, the application will not be scheduled for a public meeting or hearing, if required, or otherwise processed until it is complete.**

<b>Signature:</b> <i>Madeleine Reinke</i>	<b>Date:</b> 09/27/2022
<b>Printed Name:</b> Madeleine Reinke	<input type="checkbox"/> Applicant or <input checked="" type="checkbox"/> Agent

FOR OFFICIAL USE ONLY	
Project Number:	Case Numbers
	-
	-
	-
Staff Signature:	
Date:	



## Justification Letter

To: City of Albuquerque

From: Madeleine Reinke  
Kimley-Horn and Associates, Inc.

Date: 09/20/2022

Subject: Electric Vehicle Charging Improvements – Request for Minor Administrative Amendment

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Electrify America is looking to implement 6 new DC Fast Charging Stations for electric vehicles at the existing Kroger 443, Smith’s located at 320 Yale Blvd SE, Albuquerque, NM 87106. The site is zoned Commercial and consists of a fully developed parking lot and a Kroger, Smith’s Shopping Center. Staff could not locate a copy of the Official Notice of Decision associated with the prior approval of this site plan.

The proposed EV charging spaces have fast charging capability and will be open to the public to provide a place for local citizens and visitors to charge their electric vehicles. This is a service that most municipalities are looking to implement more of as the number of electric vehicles on the road continues to grow each day.

The private improvement scope of work at this location includes transitioning 9 existing parking stalls into six (6) EV charging stalls. Additionally, electrical powering equipment required to support the charging units will be implemented nearby which will require the removal of 2 spaces from the existing parking lot. According to table 5-5-1 in the most recent edition of the IDO, 2.5 spaces are required per 1,000 FS of GFA. Thus, the minimum number of stalls required for this site is 66. There are currently 96 stalls, and we are proposing 91. Parking and loading standards within the IDO will still be met.

This Minor Administrative Amendment will meet the following requirements:

### **6-4(Z)(1)(a) Minor Amendments**

1. The existing site development plan specifies the requirements in place at the time of approval, and the requested change still meets the original requirements.
2. The requested change is within the thresholds for minor amendments established in Table 6-4-4, cumulative of prior deviations or minor amendments.
3. The requested change does not require major public infrastructure or significant changes to access or circulation patterns on the site, which would warrant additional review by the original decision-making body.

4. No deviations, Variances, or Waivers shall be granted for minor amendments.

Thank you for your time and consideration and please feel free to contact me at 720-464-1878 or [Madeleine.Reinke@Kimley-Horn.com](mailto:Madeleine.Reinke@Kimley-Horn.com) with any questions.

Madeleine Reinke  
Kimley-Horn | 4582 South Ulster Street, Suite 1500, Denver, CO 80237  
Direct: 720-464-1878



**Aerial of our project site:**

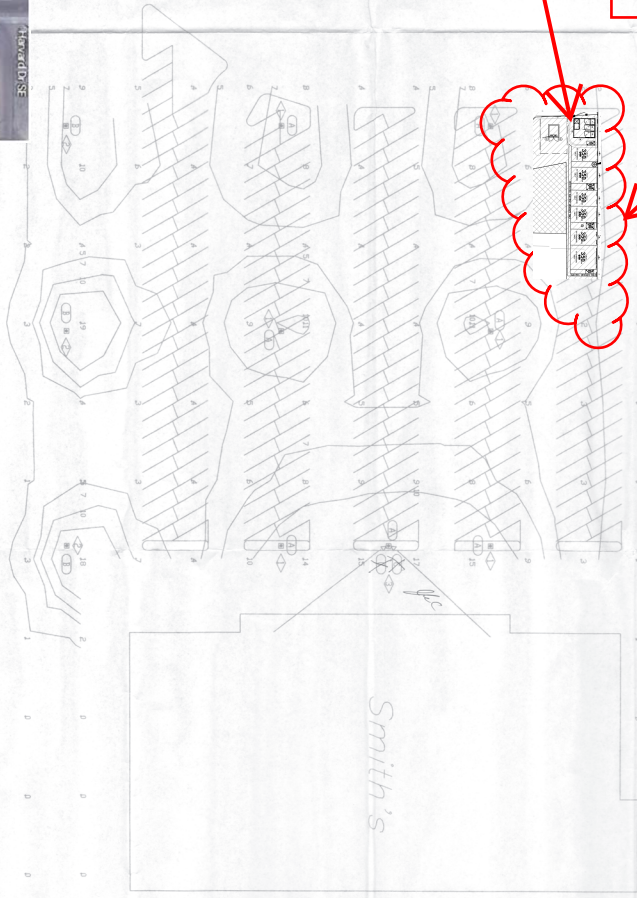


**Proposed transformer & Equipment Pad**

**REQUIRED PARKING: 66 SPACES  
EXISTING PARKING: 96 SPACES  
PROPOSED PARKING: 91 SPACES**

**6 Proposed EV Parking Stalls**

**PROPOSED SITE LIGHTING LAYOUT**



LANDSCAPE TYPE	REPLACE EXISTING LANDSCAPE WITH NEW TYPE 'A' LANDSCAPE.	REPLACE EXISTING LANDSCAPE WITH NEW TYPE 'B' LANDSCAPE.	REPLACE EXISTING LANDSCAPE WITH NEW TYPE 'C' LANDSCAPE.
LANDSCAPE TYPE A	LANDSCAPE TYPE B	LANDSCAPE TYPE C	LANDSCAPE TYPE D
LANDSCAPE TYPE E	LANDSCAPE TYPE F	LANDSCAPE TYPE G	LANDSCAPE TYPE H
LANDSCAPE TYPE I	LANDSCAPE TYPE J	LANDSCAPE TYPE K	LANDSCAPE TYPE L

ZONING CODE  
ADMINISTRATIVE  
REGULATORY PLAN APPROVAL  
FILE NO. 7-22-31-1148  
APPROVED BY: [Signature]  
DATE: 11/15/2022

**#443**

DATE: MARCH 18, 2022  
SCALE: AS SHOWN  
DRAWING NUMBER: SE-1

**Smith's # 439**  
Albuquerque, N.M.

**LIGHTING INNOVATIONS INC.**  
Lighting Specialists  
609 West Krista Court, Murray, Utah 84123  
Phone: (801) 265-1810 Fax: (801) 265-0151

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320 yale SE





# PROJECT NUMBER: NM240036

## INSTALLATION OF ELECTRIC VEHICLES CHARGING EQUIPMENT

### KROGER SMITHS 443

#### 320 YALE BLVD SE, ALBUQUERQUE, NM 87106



ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VA 20191



@2022 KIMLEY-HORN AND ASSOCIATES, INC.  
4582 S. ULSTER STREET  
SUITE 1500  
DENVER, CO 80237  
303-288-2300

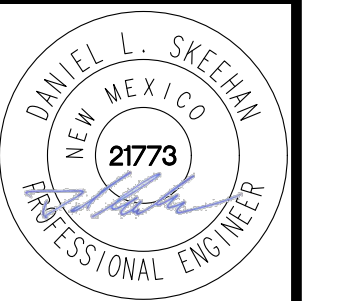
NO.	REVISION	BY	DATE	APPR.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

SITE INFORMATION	VICINITY MAP	AERIAL MAP	PROJECT DESCRIPTION
<p><b>EV SITE ADDRESS:</b> 320 YALE BLVD SE, ALBUQUERQUE, NM 87106</p> <p><b>PROPERTY OWNER:</b> KROGER</p> <p><b>EQUIPMENT SUPPLIER:</b> ELECTRIFY AMERICA, LLC, 2003 EDMUND HALLEY DRIVE SUITE 200 RESTON, VIRGINIA 20191</p> <p><b>POWER COMPANY:</b> PNM UTILITY</p> <p><b>COUNTY:</b> BERNALILLO COUNTY</p> <p><b>LATITUDE (NAD83):</b> 35°04'32.9"N</p> <p><b>LONGITUDE (NAD83):</b> -106°37'12.0"W</p> <p><b>CONTACT ENGINEER:</b> KIMLEY-HORN AND ASSOCIATES, INC. DAN.SKEEHAN@KIMLEY-HORN.COM P: +1 303-228-2318 DAN.SKEEHAN, P.E.</p>			<ul style="list-style-type: none"> <li>INSTALL (1) UTILITY TRANSFORMER</li> <li>INSTALL (1) SWITCHBOARD ASSEMBLY</li> <li>INSTALL (6) 350 KW SIGNET G4 DISPENSERS</li> <li>INSTALL (3 350 SIGNET G4 POWER UNITS</li> <li>INSTALL (1) LIGHT POLE AND BASE WITH FIXTURE</li> </ul>
DRAWING INDEX			
SHEET INDEX			
SHEET NUMBER	SHEET TITLE		
CV	COVER SHEET		
GN-1	GENERAL NOTES 1		
GN-2	GENERAL NOTES 2		
C-1	OVERALL SITE LAYOUT		
C-2	DEMOLITION PLAN		
C-3	ENLARGED SITE LAYOUT		
C-4	EQUIPMENT PAD LAYOUT		
C-5	ENLARGED EQUIPMENT LAYOUT		
E-1	UTILITY PLAN		
E-2	ELECTRICAL PLAN		
E-3	SINGLE LINE DIAGRAM		
E-4	ELECTRICAL DETAILS		
E-5	SWITCHGEAR DETAILS		
D-1	DETAIL SHEET 1		
D-2	DETAIL SHEET 2		
D-3	DETAIL SHEET 3		
BENCHMARK & BASIS OF BEARING			
<p><b>BENCHMARK:</b> NAVD88 DATUM. BENCHMARK: (5" REBAR), AS SHOWN HEREON. ELEVATION 5166.55</p> <p><b>BASIS OF BEARINGS:</b> NAD83 NEW MEXICO STATE PLANES, CENTRAL ZONE, US FOOT</p>			
APPLICABLE CODES			
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BUILDING/DWELLING, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE/LIFE SAFETY CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LOCAL GOVERNING AUTHORITY CODES.</p> <ul style="list-style-type: none"> <li>NEC ADOPTED CODE: 2022</li> </ul>			
ZONING INFORMATION			
<p><b>PERMITTING JURISDICTION:</b> ALBUQUERQUE</p> <p><b>ZONING CLASS:</b> C-1</p>			
FLOOD HAZARD AREA NOTE			
<p>THIS SITE IS LOCATED IN FLOOD ZONE "X" PER FEMA FLOOD MAP FIRM 35001C0353H EFFECTIVE DATE 08/16/12.</p>			
CONTRACTOR NOTE			
<p>CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ELECTRIFY AMERICA</p>			
CALL BEFORE YOU DIG		DO NOT SCALE DRAWINGS	
<p style="text-align: center;">UNDERGROUND SERVICE ALERT NEW MEXICO 811 811 OR 1-800-321-2537 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION</p>		<p style="text-align: center;">CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS &amp; CONDITIONS ON THE JOB SITE &amp; SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.</p>	
ENGINEER OF RECORD			
<p>DAN SKEEHAN PE NUMBER: 21773 KIMLEY-HORN AND ASSOCIATES, INC.</p>			

DESIGNED BY: DMP  
DRAWN BY: DMP  
CHECKED BY: KEW  
DATE: 09/14/2022

**NM240036 - KROGER SMITHS 443**  
 320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
**COVER SHEET**



PROJECT NO.  
196408000

SHEET  
**CV**



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## GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY GENERAL CONTRACTOR: POWERHOUSE CONSTRUCTION  
OWNER: ELECTRIFY AMERICA
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
  - ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
  - ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
  - PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
  - WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
  - THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
  - THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
  - THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
  - THE CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
  - ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
  - ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
  - THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
  - CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
  - NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
  - THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
  - ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
  - THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
  - INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

## ELECTRICAL NOTES

- ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
  - UL - UNDERWRITERS LABORATORIES
  - NEC - NATIONAL ELECTRICAL CODE 2022
  - NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
  - OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
  - SBC - STANDARD BUILDING CODE
  - NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, BUT CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: THE CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. THE CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING THE EQUIPMENT.
- THE CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER OR ALUMINUM WITH TYPE (THWN-2) INSULATION, 600 VOLT, COLOR CODED UNLESS SPECIFIED DIFFERENTLY ON DRAWINGS.
- ALL (THWN-2) WIRING INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURERS CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES.
- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS EXCEPT THE EV CHARGE CABLE TERMINATION IN THE CHARGE POST SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NOALOX" BY IDEAL INDUSTRIAL INC.. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED ALUMINUM & COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- ALL EXTERIOR AND INTERIOR ABOVE GROUND CONDUIT SHALL BE RIGID UNLESS SPECIFIED OTHERWISE. ALL BURIED CONDUITS SHALL BE SCH 40 PVC UNLESS SPECIFIED OTHERWISE.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC, MEETING OR EXCEEDING NEMA TC2 - 1990. THE CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 3 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'GOLD GALV'.
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- THE CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC".
- WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND CONDUITS.
- ALL BOLTS SHALL BE STAINLESS STEEL.

## GENERAL SITE WORK NOTES

### PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

- REFERENCES:
  - NMDOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
  - ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
  - OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).
- INSPECTION AND TESTING:
  - GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. PERFORM INSPECTIONS BEFORE CONCEALING WORK WITH FOLLOW-ON ACTIVITIES (BACKFILL, CONCRETE POUR, ETC).
- SITE MAINTENANCE AND PROTECTION:
  - PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE CONTRACT.
  - AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
  - KEEP SITE FREE OF ALL PONDING WATER.
  - PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, LOCAL PERMITTING AGENCY AND EPA REQUIREMENTS.
  - PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
  - EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
  - PROVIDE A MINIMUM 48-HOUR NOTICE TO THE CONSTRUCTION MANAGER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.
  - SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.

### PART 2 - PRODUCTS

- SUITABLE MATERIAL - SUITABLE MATERIAL ARE USED FOR GRADING AND BACKFILL. SUITABLE MATERIALS ARE ON SITE SOILS REMOVED FROM EXCAVATIONS THAT EXCLUDE FROZEN SOIL, ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZE GREATER THAN 3-INCH. SUITABLE SOILS HAVE MOISTURE CONTENTS THAT ALLOW THEM TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS.
- UNSUITABLE MATERIAL - SOILS THAT ARE FROZEN, CONTAIN ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZES GREATER THAN 3-INCH. SOILS THAT ARE TOO WET OR TOO DRY TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS ARE UNSUITABLE.
- GRANULAR BACKFILL - SHALL MEET THE FOLLOWING GRADATION

SIEVE SIZE	TOTAL PERCENT PASSING
1 1/2 INCH (37.5 MM)	100
NO. 4 (4.75 MM)	30 TO 60
NO 200 (0.075 MM)	3 TO 15

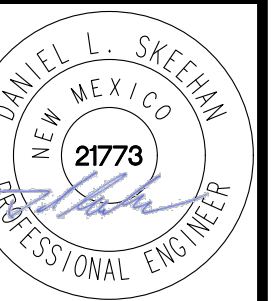
- GRANULAR BEDDING - WELL-GRADED SAND MEETING THE GRADATION REQUIREMENT OF ASTM C 33 FINE AGGREGATE.
- CONTROLLED LOW STRENGTH MATERIAL (CLSM)- A SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL COMPOSED OF SAND, COARSE AGGREGATE, CEMENT, FLY ASH, WATER AND ADMIXTURES. CLSM SHALL BE EXCAVATABLE AND SHALL HAVE A DESIGNED UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 50 TO 100 PSI.
- BACKFILL - PRODUCTS MEETING THE REQUIREMENTS OF SUITABLE MATERIAL, GRANULAR BEDDING, GRANULAR BACKFILL OR CLSM.
- TOPSOIL - SOIL WITH AN ORGANIC CONTENT SUFFICIENT TO ALLOW VEGETATIVE GROWTH.



NO.	REVISION	BY	DATE (APPR.)

DESIGNED BY: DMP  
DRAWN BY: DMP  
CHECKED BY: KEW  
DATE: 09/14/2022

NM240036 - KROGER SMITHS 443  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
GENERAL NOTES 1



PROJECT NO.  
196408000

SHEET  
GN-1



GENERAL SITE WORK NOTES CONT.	GENERAL SITE WORK NOTES CONT.	ANCHORAGE INSTALLATION NOTES																																																	
<p><b>PART 3 - EXECUTION</b></p> <p><b>1. GENERAL:</b></p> <p>A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL TIMES.</p> <p>B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK. CONDUCT UTILITY LOCATE IN ACCORDANCE WITH THE ONE-CALL NOTIFICATION</p> <p>C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.</p> <p>D. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.</p> <p>E. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS. SUFFICIENT TOPSOIL MAY BE STOCKPILED ON SITE FOR USE DURING FINAL SITE GRADING.</p> <p>F. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE MATERIAL.</p> <p>G. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.</p> <p>H. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.</p> <p>I. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.</p> <p>J. DURING EXCAVATION, THE CONTRACTOR SHALL PROVIDE SHORING, SHEETING, AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF EXCAVATION.</p> <p><b>2. BACKFILL:</b></p> <p>A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.</p> <p>B. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.</p> <p>C. DO NOT PLACE FROZEN MATERIAL IN AS BACKFILL.</p> <p>D. PLACE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACT TO THE SAME DENSITY AS NATIVE SOIL. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.</p> <p>E. WHENEVER TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE COMPACTION REQUIREMENTS.</p> <p><b>3. TRENCH EXCAVATION:</b></p> <p>A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.</p> <p>B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.</p> <p>C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, EXCAVATE THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION, THEN BACKFILL WITH 12" OF GRANULAR BEDDING MATERIAL.</p> <p><b>4. TRENCH BACKFILL:</b></p> <p>A. PROVIDE GRANULAR BEDDING MATERIAL OR FLOWABLE FILL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.</p> <p>B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.</p> <p>C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE</p>	<p>ACCEPTANCE TESTING.</p> <p>D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.</p> <p>E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.</p> <p>F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.</p> <p>G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH.</p> <p><b>5. FINISH GRADING:</b></p> <p>A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.</p> <p>B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.</p> <p>C. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.</p> <p><b>6. ASPHALT PAVING ROAD:</b></p> <p>A. CONTRACTOR RESPONSIBLE FOR RE-STRIPING AND APPLYING SEALCOATING, UNLESS OTHERWISE NOTED.</p> <p>B. NMDOT STANDARD SPECIFICATION, CURRENT EDITION.</p> <p><b>7. STAGING:</b></p> <p>A. WORK / STAGING AREA TO BE CONFIRMED AT PRE-CONSTRUCTION SITE MEETING AND SURROUNDED BY TEMPORARY FENCE (SEE DETAIL BELOW) DURING CONSTRUCTION.</p> <p>B. POSSIBLE LOCATION FOR TEMPORARY DRIVE AISLE CLOSURE DURING CONSTRUCTION.</p> <p>C. CONTRACTOR TO PROVIDE TEMPORARY SIGNS TO DIRECT TRAFFIC FLOW.</p> <p>D. SHORT TERM FENCING TO BE PROVIDED OUTSIDE OF TEMPORARY FENCE FOR ANY OPEN TRENCHES LEFT OVER NIGHT OR UNATTENDED.</p> <p>E. TEMPORARY FENCE SHALL BE CLOSED AND LOCKED AT ALL TIMES. IF GATE MUST BE OPEN FOR MOVING EQUIPMENT OR MATERIALS, A SPOTTER SHALL BE PROVIDED TO TO PREVENT UNAUTHORIZED ENTRY.</p> <p>F. NO EQUIPMENT OR MATERIALS SHALL BE STORED OUTSIDE THE TEMPORARY FENCE FOR ANY AMOUNT OF TIME.</p>	<p><b>1. DRILLING THROUGH EXISTING SLAB REBAR DURING POST-INSTALLED ANCHOR BOLTS INSTALLATION IS NOT PERMITTED.</b></p> <p><b>2. POST-INSTALLED ANCHOR BOLT INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING.</b></p> <p><b>3. EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS USING STANDARD EMBEDMENTS AND EDGE DISTANCES UNLESS NOTED OTHERWISE ON THE DRAWINGS.</b></p>																																																	
	<p><b>STRUCTURAL STEEL NOTES</b></p> <p><b>1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE:</b></p> <p>WIDE FLANGE SHAPE: A992, 50KSI</p> <p>ANGLE AND CHANNEL SHAPE: ASTM A36, 36 KSI PLATE: ASTM A36, 36KSI</p> <p>PIPE: ASTM A53 GRADE B, 35 KSI</p> <p>HSS: ASTM A500 GRADE B, 46KSI</p> <p><b>2. HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A325: ONE HIGH-STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY NUT, A HARDENED WASHER CONFORMING TO ASTM F436. THE HARDENED WASHER SHALL BE INSTALLED AGAINST ELEMENT TURNED IN TIGHTENING. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.</b></p> <p><b>3. WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.</b></p> <p><b>4. UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 WITH HEAVY HEXAGONAL NUT.</b></p> <p><b>5. FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION.</b></p> <p><b>6. ALL EXPOSED STRUCTURAL STEEL AND BOLTS SHALL BE HOT DIP GALVANIZED PER ASTM A123.</b></p> <p><b>7. SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD.</b></p> <p><b>8. PRIMER SHALL BE RED OXIDE-CHROMATE PRIME COMPLYING WITH STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT SPECIFICATION NUMBER 11</b></p>	<p><b>REINFORCED CONCRETE NOTES</b></p> <p><b>1. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED CONTINUOUS INSPECTION IS NOT REQUIRED. SLUMP: 4" MIN / 6" MAX.</b></p> <p><b>i. AIR ENTRAINMENT: 4 1/2% - 7% BY VOLUME</b></p> <p><b>2. REINFORCEMENT SHALL BE A NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60, MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4".</b></p> <p><b>3. REINFORCEMENT SHALL COMPLY WITH THE LATEST EDITION OF ACI 318 FOR MINIMUM CLEARANCES AND CONCRETE COVER.</b></p> <p><b>4. ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.</b></p> <p><b>5. MAINTAIN TEMPERATURE OF CAST IN PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES FAHRENHEIT.</b></p> <p><b>6. DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE</b></p> <p><b>7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.7.</b></p> <p><b>8. EXCEPT AS DETAILED OR AUTHORIZED, MAKE BARS CONTINUOUS AROUND CORNERS WHERE PERMITTED. SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.</b></p> <p><b>9. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66 AND " BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" , ACI 318.</b></p> <p><b>10. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING.</b></p> <p><b>11. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE CONCRETE PAD ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PRE-FABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.</b></p>	 <table border="1" data-bbox="2777 562 2899 889"> <tr> <td>NO.</td> <td>REVISION</td> <td>BY</td> <td>DATE (APPR.)</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>DESIGNED BY: DMP DRAWN BY: DMP CHECKED BY: KEW DATE: 09/14/2022</p>	NO.	REVISION	BY	DATE (APPR.)																																												
NO.	REVISION	BY	DATE (APPR.)																																																
		<p><b>GROUNDING NOTES</b></p> <p><b>1. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.</b></p> <p><b>2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.</b></p> <p><b>3. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).</b></p> <p><b>4. ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION-TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.</b></p> <p><b>5. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.</b></p> <p><b>6. 2014 NEC 250.121 EXCEPTION: A WIRE-TYPE EQUIPMENT GROUNDING CONDUCTOR INSTALLED IN COMPLIANCE WITH 250.6(A) AND THE APPLICABLE REQUIREMENTS FOR BOTH THE EQUIPMENT GROUNDING CONDUCTOR AND THE GROUNDING ELECTRODE CONDUCTOR IN PARTS II, III, AND VI OF THIS ARTICLE SHALL BE PERMITTED TO SERVE AS BOTH AN EQUIPMENT GROUNDING CONDUCTOR AND A GROUNDING ELECTRODE CONDUCTOR.</b></p>																																																	
		<p><b>FIBER OPTIC NOTES</b></p> <p>USE CABLE WITH THE FOLLOWING MINIMUM PROPERTIES:</p> <p><b>1. HIGH TENSILE STRENGTH &gt;150 LB</b></p> <p><b>2. TIGHT BUFFERED</b></p> <p><b>3. INDOOR / OUTDOOR UV AND MOISTURE RESISTANT " RISER" CABLE</b></p> <p><b>4. CONNECTOR TYPE: ST-ST</b></p> <p><b>5. FIBER TYPE: MULTI-MODE 6-FIBER (3 PAIR) 62.5UM. 6 CONNECTORS ON BOTH ENDS.</b></p> <p><b>6. JACKET: INDOOR/OUTDOOR RISER, BLACK</b></p> <p><b>7. BREAKOUT: SIDE A: INNER END - 24 INCHES WITH 2MM FURCATION</b></p> <p><b>7.A. SIDE B: OUTER END - 24 INCHES - 2MM FURCATION - STAGGERED EVERY 1"</b></p> <p><b>8. WITH PULLING EYE ON SIDE B (OUTER END) AND SPOOL REEL</b></p>																																																	
			<p>NM240036 - KROGER SMITHS 443 320 YALE BLVD SE, ALBUQUERQUE, NM 87106 GENERAL NOTES 2</p>  <p>PROJECT NO. 196408000</p> <p>SHEET GN-2</p>																																																

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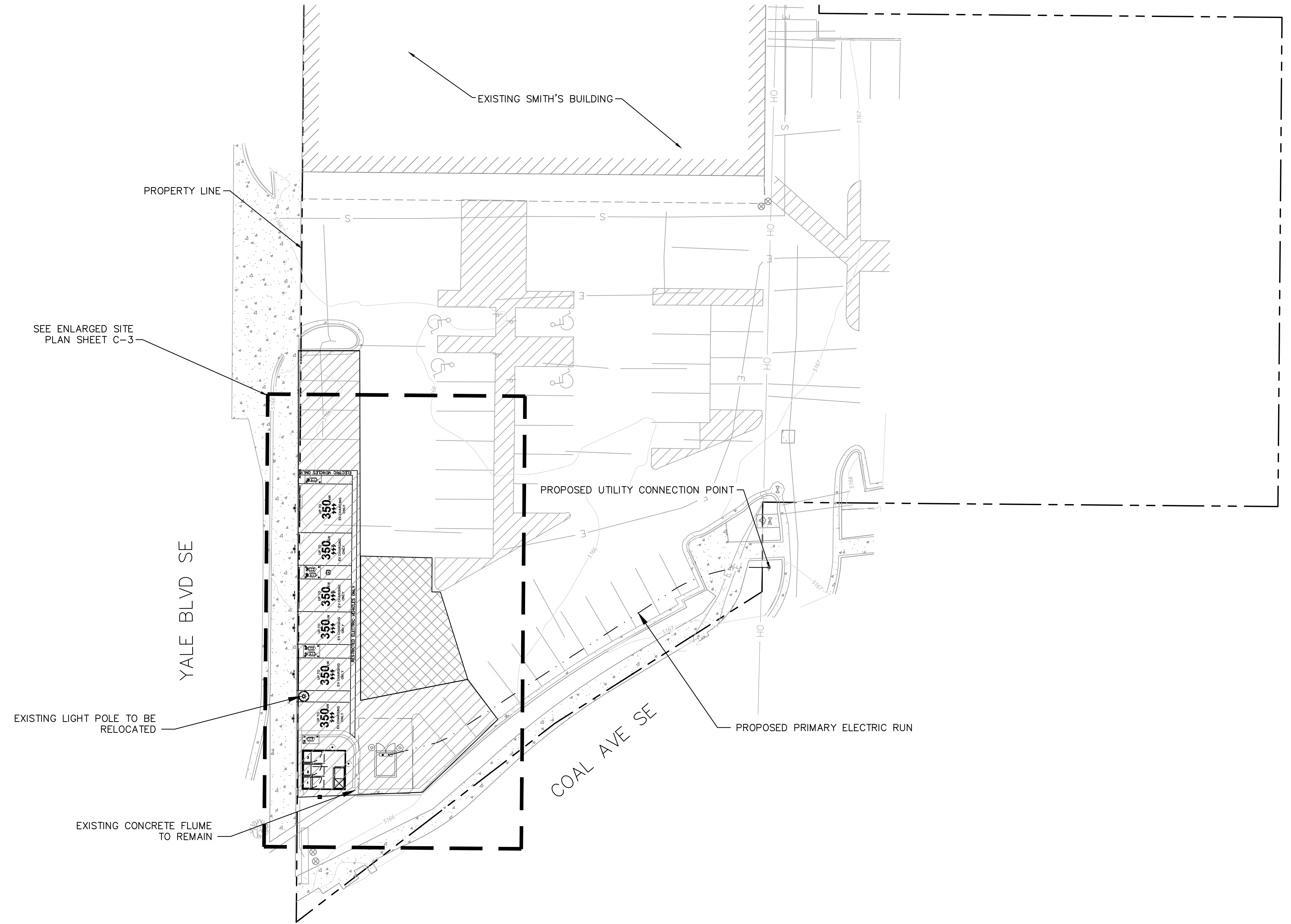
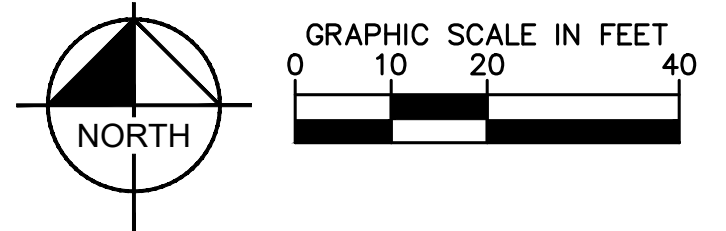
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**NOTES**

1. WORK / STAGING AREA TO BE CONFIRMED AT PRE-CONSTRUCTION SITE MEETING AND SURROUNDED BY TEMPORARY FENCE DURING CONSTRUCTION.
2. POSSIBLE LOCATION FOR TEMPORARY DRIVE AISLE CLOSURE DURING CONSTRUCTION.
3. CONTRACTOR TO PROVIDE TEMPORARY SIGNS TO DIRECT TRAFFIC FLOW.
4. SHORT TERM FENCING TO BE PROVIDED OUTSIDE OF TEMPORARY FENCE FOR ANY OPEN TRENCHES LEFT OVER NIGHT OR UNATTENDED.
5. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.

**LEGEND**

- WORKING/STAGING AREA
- DRIVE AISLE CLOSURE
- TEMPORARY DRIVE AISLE
- UTILITY LINE TO BE BORED (OUTSIDE OF WORKING/STAGING AREA)
- UTILITY LINE TO BE TRENCHED (OUTSIDE OF WORKING/STAGING AREA)



ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VA 20191

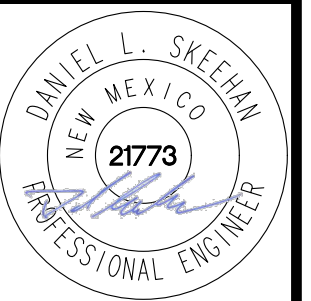


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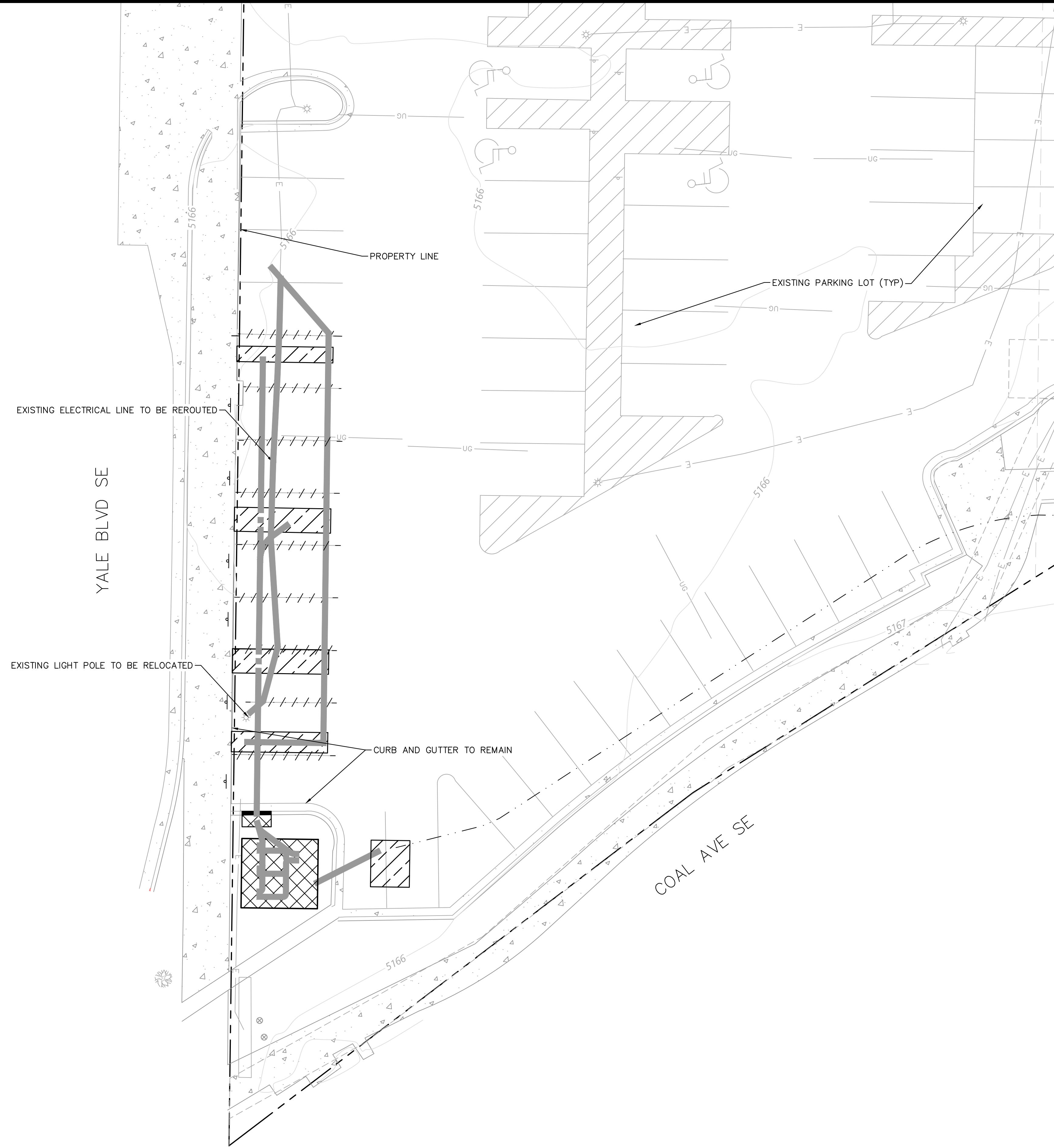
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320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
OVERALL SITE LAYOUT



PROJECT NO.  
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**DEMO QUANTITIES TABLE**

	ASPHALT	300 SQ FT
	PARKING LINES	GRINDING
	CURB	5 LF
	LANDSCAPING	170 SQ FT
	UTILITY TRENCH	305 LF
	UTILITY BORE	150 LF
	TREE REMOVAL	0 EA

**NOTES**

1. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
2. ALL QUANTITIES LISTED IN DEMOLITION PLAN SHEET ARE ONLY APPROXIMATIONS. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE BIDDING.
3. TRENCHING IS TO BE USED EXCEPT IN HEAVY TRAFFIC AREAS, MAIN DRIVE AISLES AND ACROSS STORE ENTRANCE.
4. THE CONTRACTOR SHALL PROTECT EXISTING INFRASTRUCTURE IN PLACE WITHIN THE AREA OF IMPROVEMENTS

**electrify america**

ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
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**Kimley»Horn**  
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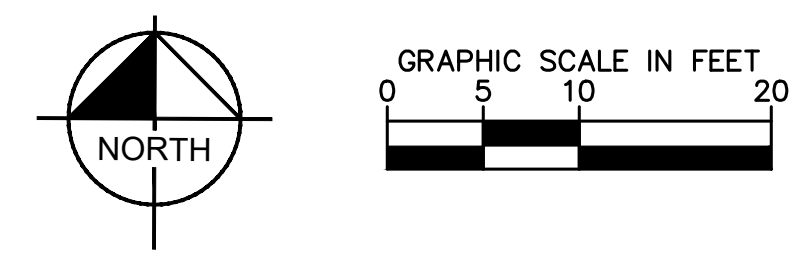
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**NM240036 - KROGER SMITHS 443**  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
DEMOLITION PLAN



PROJECT NO.  
196408000  
SHEET  
**C-2**





**NOTES**

1. DISTURBED AREA OUTSIDE OF THE TRANSFORMER PAD AND CONCRETE EQUIPMENT PAD SHALL BE COVERED WITH MULCH.
2. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
3. HAND DIG TRENCH IN THIS LOCATION TO AVOID EXISTING UNDERGROUND UTILITY LINE. CONTACT ENGINEER IF UNDERGROUND UTILITY LINE CONFLICTS WITH PROPOSED INSTALLATION.

EXISTING STALL COUNT	11
PROPOSED STALL COUNT	06
SITE HOST APPROVED STALL COUNT	11

DISPENSER NUMBER	UPTO 350KW
1A	X
1B	X
2A	X
2B	X
3A	X
3B	X

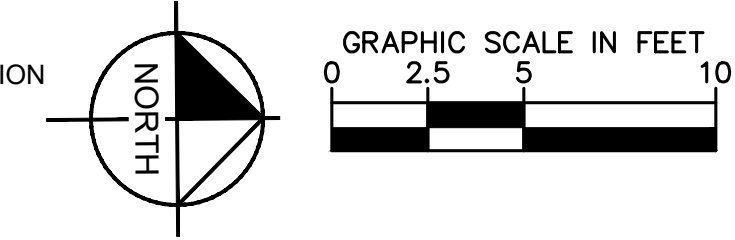
DECIMAL (FT)	ARCH. (IN)	DECIMAL (FT)	ARCH. (IN)
0.04'	1/2"	0.5'	6"
0.08'	1"	0.58'	7"
0.1'	1-1/4"	0.6'	7-1/4"
0.17'	2"	0.67'	8"
0.2'	2-1/2"	0.7'	8-1/2"
0.25'	3"	0.75'	9"
0.3'	3-1/2"	0.8'	9-1/2"
0.33'	4"	0.83'	10"
0.4'	4-3/4"	0.9'	10-3/4"
0.42'	5"	0.92'	11"

**LEGEND**

- TYPE A CATCH CURB
- TYPE B SPILL CURB

PROJECT TYPE: METRO  
EA EQUIPMENT: SIGNET GEN 4  
BESS: NOT REQUIRED  
LOCAL UTILITY: PNM - CONTACT: NONE PROVIDED

\*CONVERSION FROM DECIMAL ARE TO THE NEAREST USABLE 1/4" FRACTION

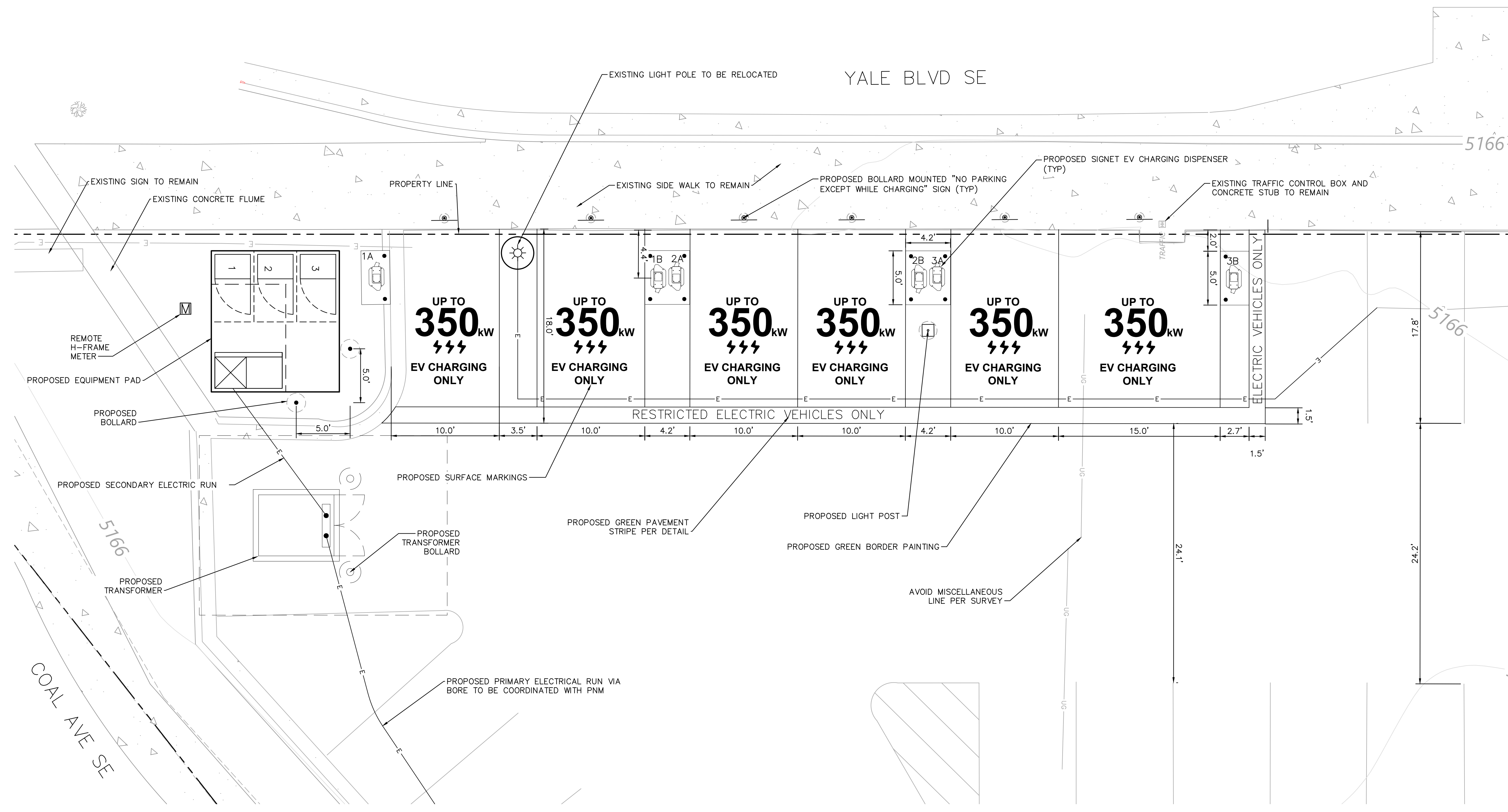


ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VA 20191

**Kimley-Horn**  
@2022 KIMLEY-HORN AND ASSOCIATES, INC.

4582 S. ULSTER STREET  
SUITE 1500  
DENVER, CO 80237  
303-288-2300

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DESIGNED BY: DMP  
DRAWN BY: DMP  
CHECKED BY: KEW  
DATE: 09/14/2022

**NM240036 - KROGER SMITHS 443**  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
**ENLARGED SITE LAYOUT**



PROJECT NO.  
196408000

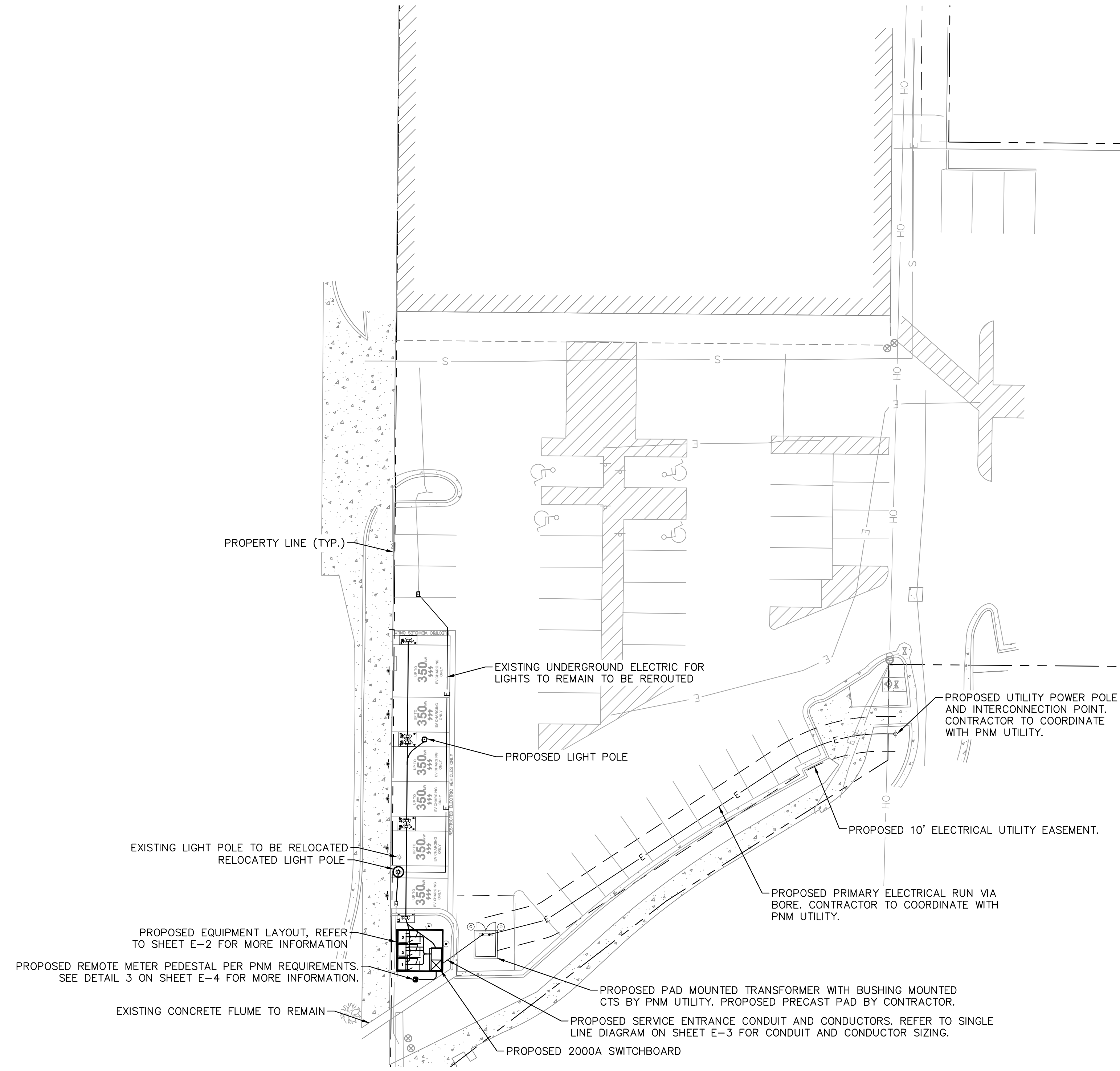
SHEET  
**C-3**







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**NOTES**

1. THE UTILITY DESIGN DETAILS SUMMARIZED ON THIS SHEET ARE FOR PROPERTY OWNER REVIEW. THE CONTRACTOR SHALL REFERENCE THE UTILITY DESIGN PACKAGE (UDP), PROVIDED WITH THE "ISSUED FOR CONSTRUCTION" DRAWINGS FOR BIDDING. THE CONTRACTOR SHALL INSTALL THE UTILITY RELATED SCOPE OF WORK PER UTILITY CONSTRUCTION SPECIFICATION REQUIREMENTS.
2. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK AND TERMINATION OF SERVICE CONDUCTORS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRE-CONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATIONS.
3. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.



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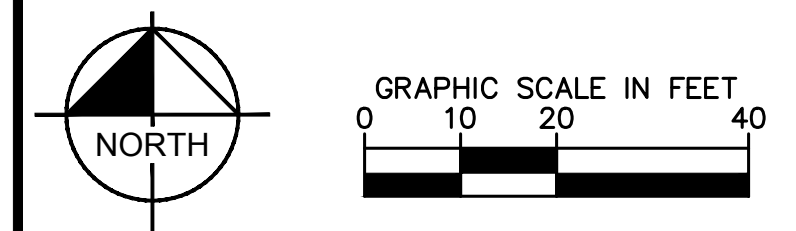
**NM240036 - KROGER SMITHS 443**  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
**UTILITY PLAN**



PROJECT NO.  
196408000

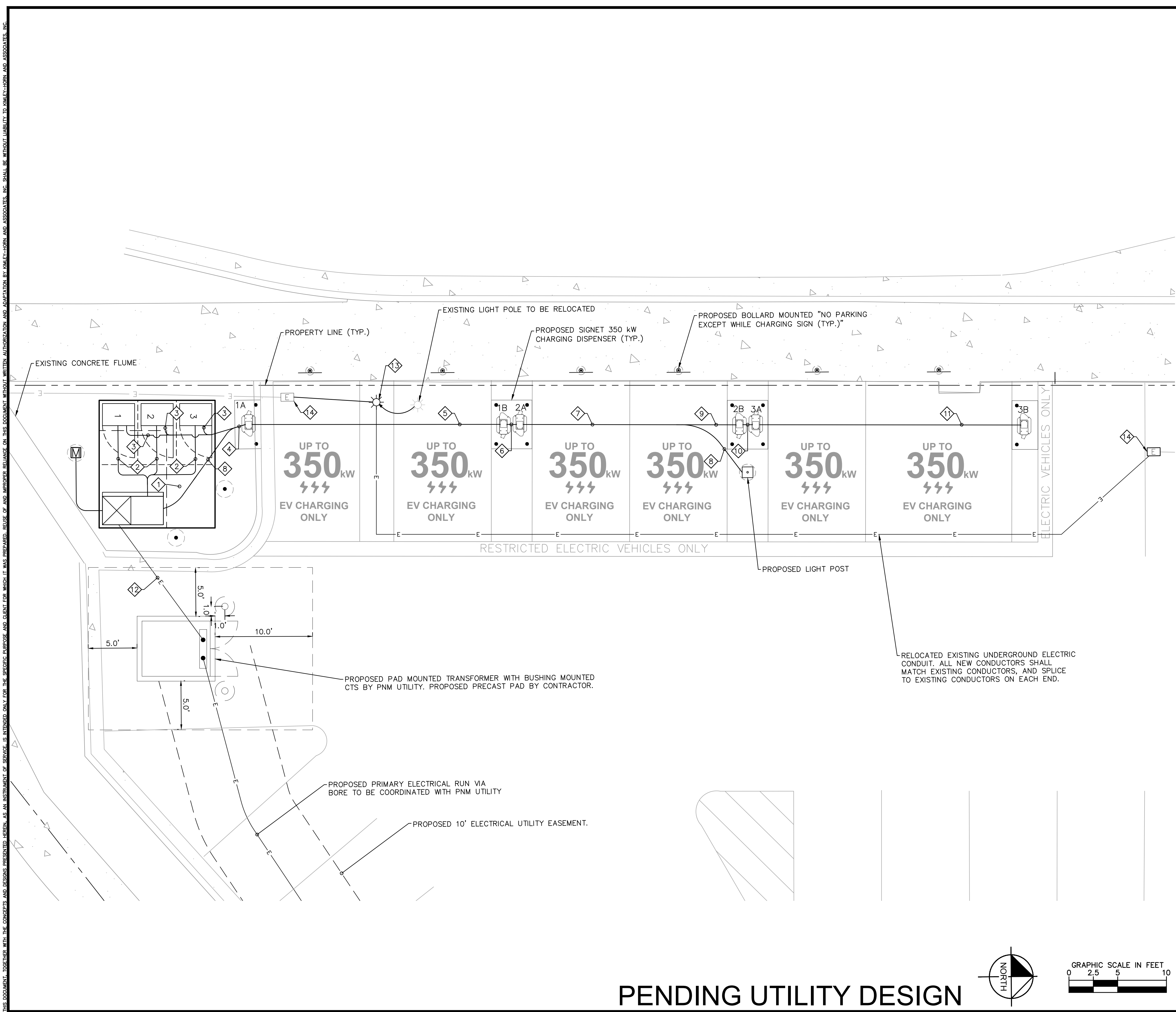
SHEET  
**E-1**

**PENDING UTILITY DESIGN**





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### PROPOSED DISPENSERS

CHARGE POSTS ARE ALL 360KW RATED WITH CCS CABLES

### POWER UNIT LENGTHS

POWER UNIT	LINEAR LENGTH SWBD TO POWER UNIT	** ESTIMATED LENGTH (FT)
①	14	30
②	10	26
③	10	26
TOTAL ESTIMATED LENGTH		82
TOTAL LENGTH OF WIRE		328

TOTAL LENGTH OF AC WIRE = SUM OF ESTIMATED LENGTH x 4 WIRES PER POWER UNIT  
 TOTAL LENGTH GND WIRE = SUM OF ESTIMATED LENGTHS

### DC CHARGING POST LENGTHS

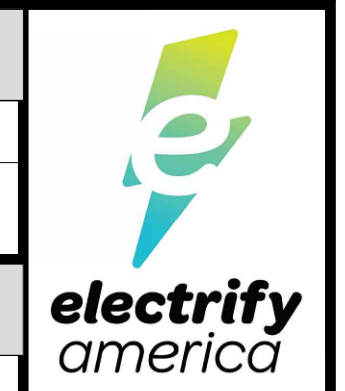
POWER UNIT	DISPENSER	LINEAR LENGTH (FT)	*** ESTIMATED LENGTH (FT)
①	1A	15	37
①	1B	39	61
②	2A	37	59
②	2B	57	79
③	3A	35	57
③	3B	60	82

### NOTES

- (SEE SHEET E-3 FOR WIRE CONFIGURATION)
- \*\* AC CONDUCTORS: 16 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH
  - \*\*\* DC CONDUCTORS: 22 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH
- CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
  - ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ONSITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) STANDARDS BEING ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT TIME OF CONSTRUCTION.
  - UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATIONS.

### KEYNOTES

- ① (6) 4" C.
- ② (2) 4" C.
- ③ (4) 2-1/2" C. (2) 1-1/2" C., (2) 3/4" C.
- ④ (12) 2-1/2" C. (6) 1-1/2" C., (6) 3/4" C.
- ⑤ (10) 2-1/2" C. (5) 1-1/2" C., (7) 3/4" C.
- ⑥ (8) 2-1/2" C. (4) 1-1/2" C., (6) 3/4" C.
- ⑦ (6) 2-1/2" C. (3) 1-1/2" C., (5) 3/4" C.
- ⑧ (2) 3/4" C.
- ⑨ (6) 2-1/2" C. (3) 1-1/2" C., (3) 3/4" C.
- ⑩ (4) 2-1/2" C. (2) 1-1/2" C., (2) 3/4" C.
- ⑪ (2) 2-1/2" C. (1) 1-1/2" C., (1) 3/4" C.
- ⑫ (9) 4" C. UTILITY SECONDARY DUCTBANK PER XCEL ENERGY REQUIREMENTS
- ⑬ REMOVE EXISTING POLE AND FIXTURE AND RELOCATE TO LOCATION SHOWN ON THE SITE PLAN. PROVIDE AND INSTALL NEW FOUNDATION FOR RELOCATED LIGHT POLE PER DETAIL 1, DRAWING D-3.
- ⑭ CUT AND INTERCEPT EXISTING SITE LIGHTING CONDUIT AND CONDUCTORS. SET NEW PULL BOX FLUSH WITH FINAL GRADE. SPLICE CONDUCTORS AND EXTEND TO EXISTING SITE LIGHTING FOR A COMPLETE SYSTEM. ALL PULL BOXES INSTALLED IN VEHICULAR AREAS SHALL BE TRAFFIC RATED.



ELECTRIFY AMERICA, LLC  
 2003 EDMUND HALLEY DRIVE  
 SUITE 200  
 RESTON, VA 20191

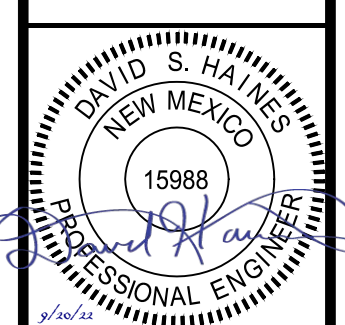


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 4582 S. ULSTER STREET  
 SUITE 1500  
 DENVER, CO 80237  
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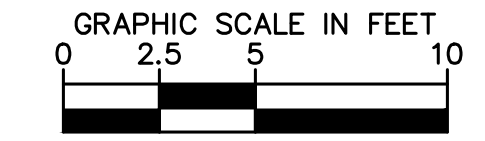
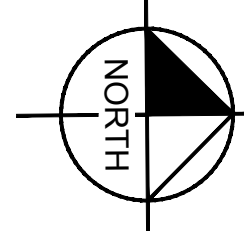
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 320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
 ELECTRICAL PLAN



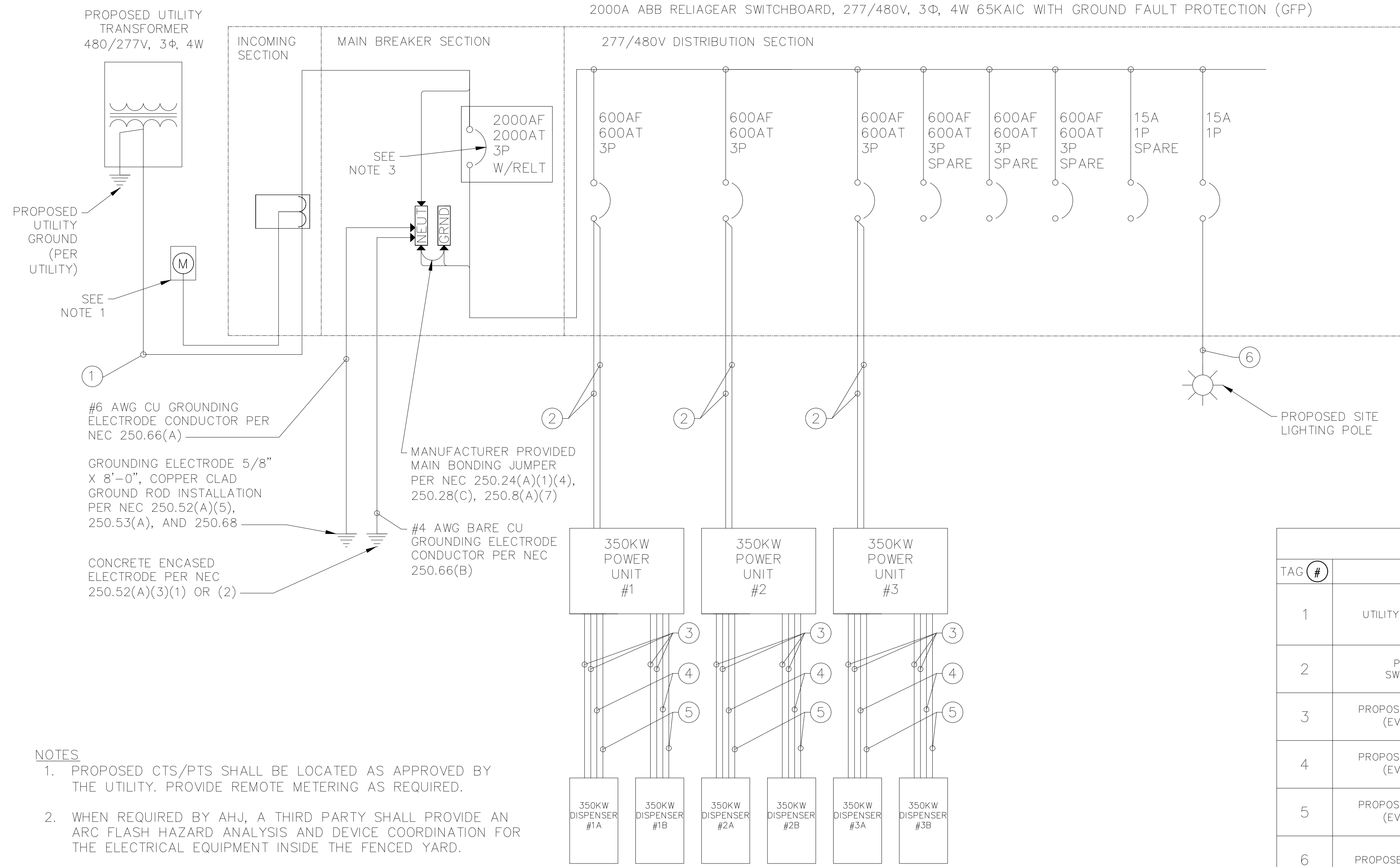
PROJECT NO.  
196408000

SHEET  
E-2

PENDING UTILITY DESIGN



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SWITCHBOARD NOTES	
LUG QUANTITY AND SIZE	6 SETS OF 600MCM
ORIENTATION	RIGHT-TO-LEFT
AMPACITY	2000 AMPS
TYPE	TALL AND NARROW

CONDUIT AND WIRING SCHEDULE			
TAG #	FROM	TO	CONFIGURATION
1	UTILITY TRANSFORMER	PROPOSED SWITCHBOARD	(3) 600 MCM AL + (1) 600 MCM AL NEUT + IN EACH OF (6) 4" CONDUITS + (3) SPARE 4" CONDUITS
2	PROPOSED SWITCHBOARD	PROPOSED POWER UNIT (EV CHARGER)	(4) 500 MCM AL + (1) #1 AWG CU EGC IN (1) 4" CONDUIT
3	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) DC POWER (POS + NEG)	(2) 350 MCM AL 1KV + (1) #2 AWG CU EGC IN (1) 2-1/2" CONDUIT
4	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) AUXILIARY 480V POWER	(3) #10 AWG CU + (1) #10 AWG CU EGC IN (1) 3/4" CONDUIT
5	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) COMMUNICATION	(1) FIBER OPTIC CABLE, MM 62.5/125 W/ ST CONNECTORS + (1) #16 AWG TSP + (1) CAT6 CABLE IN (1) 1-1/2" CONDUIT
6	PROPOSED SWITCHBOARD	PROPOSED SITE LIGHT POLE	(2) #10 AWG CU + (1) #10 AWG CU GND IN (1) 3/4" CONDUIT + (1) 3/4" CONDUIT SPARE

- NOTES**
- PROPOSED CTS/PTS SHALL BE LOCATED AS APPROVED BY THE UTILITY. PROVIDE REMOTE METERING AS REQUIRED.
  - WHEN REQUIRED BY AHJ, A THIRD PARTY SHALL PROVIDE AN ARC FLASH HAZARD ANALYSIS AND DEVICE COORDINATION FOR THE ELECTRICAL EQUIPMENT INSIDE THE FENCED YARD.
  - MAIN BREAKER IS 100% RATED AND IS EQUIPPED WITH REDUCED ENERGY LET THROUGH (RELT) MAINTENANCE SWITCH WITH LOCAL STATUS INDICATION.
  - ALL EV CHARGING EQUIPMENT, POWER UNITS AND DISPENSERS, ARE UL 2202 LISTED AND 65KAIC WITHSTAND RATED.
  - WHEN REQUIRED BY THE AHJ, CONTRACTOR SHALL PROVIDE LABEL AT MAIN SERVICE DISCONNECT INDICATING NOMINAL VOLTAGE, AVAILABLE FAULT CURRENT, BREAKER CLEARING TIME, AND DATE OF BREAKER TESTING.
  - SWITCHGEAR IS EQUIPPED WITH MANUFACTURER INSTALLED WITH UP TO THREE (3) INTEGRAL CONVENIENCE OUTLETS.
  - MAIN BREAKER AND SWITCHGEAR ASSEMBLY SHALL BE 100% RATED. LOAD CALCULATIONS FOR THE SERVICE ARE PERFORMED IN COMPLIANCE WITH NEC 2020 230.42(A)(1), EXCEPTION NO.2.

LOAD SUMMARY			
LOAD DESCRIPTION	KVA	QTY	TOTAL KVA
350KW POWER UNIT	387.00	3	1,161.00
SITE LIGHTING	0.05	1	0.05
RECEPTACLE	0.18	3	0.72
<b>TOTAL</b>			<b>1,161.77</b>
			<b>AMPS (480V, 3-φ) 1,398A</b>

"SWITCHBOARD"										
VOLTAGE: 277/480			PANEL BUS: 2000 AMPES							
PHASE WIRES: 3φ, 4W			MAIN: 2000 BREAKER							
SCCR (AMPS): 60,000 PER DM-4-11.0			SOURCE: UTILITY TRANSFORMER							
DESCRIPTION	KVA	CB	CKT	A	B	C	CKT	CB	KVA	DESCRIPTION
SITE LIGHTING	0.05	15/1	1	466					129	
	129				931			2	600/3	POWER UNIT #2
POWER UNIT #1	129	600/3	3			931			129	
	129								129	
	0				466			4	600/3	POWER UNIT #3
SPARE	0	600/3	5			466			129	
	0								0	
	0							6	600/3	SPARE
SPARE	0	600/3	7						0	
	0								0	
	0							8	15/1	SPARE
	0								0	
<b>TOTALS</b>	<b>1397.3</b>			<b>1397.1</b>		<b>1397.1</b>			<b>AMPS</b>	

LOAD CALCULATIONS: SUBTOTAL (KVA): 1161  
 MANUFACTURER INSTALLED RECEPTACLES (KVA): 0.72  
 TOTAL (KVA): 1162 @ 480V, 3φ = 1398.1 AMPS

**A**  
E-3 **SINGLE LINE DIAGRAM**

**PENDING UTILITY DESIGN**



ELECTRIFY AMERICA, LLC  
 2003 EDMUND HALLEY DRIVE  
 SUITE 200  
 RESTON, VA 20191



2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 4582 S. ULSTER STREET  
 SUITE 1500  
 DENVER, CO 80237  
 303-288-2300

NO.	REVISION	BY	DATE	APPR.

DESIGNED BY: JRT  
 DRAWN BY: JRT  
 CHECKED BY: DSH  
 DATE: 09/19/2022

**NM240036 - KROGER SMITHS 443**  
 320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
**SINGLE LINE DIAGRAM**



PROJECT NO.  
196408000

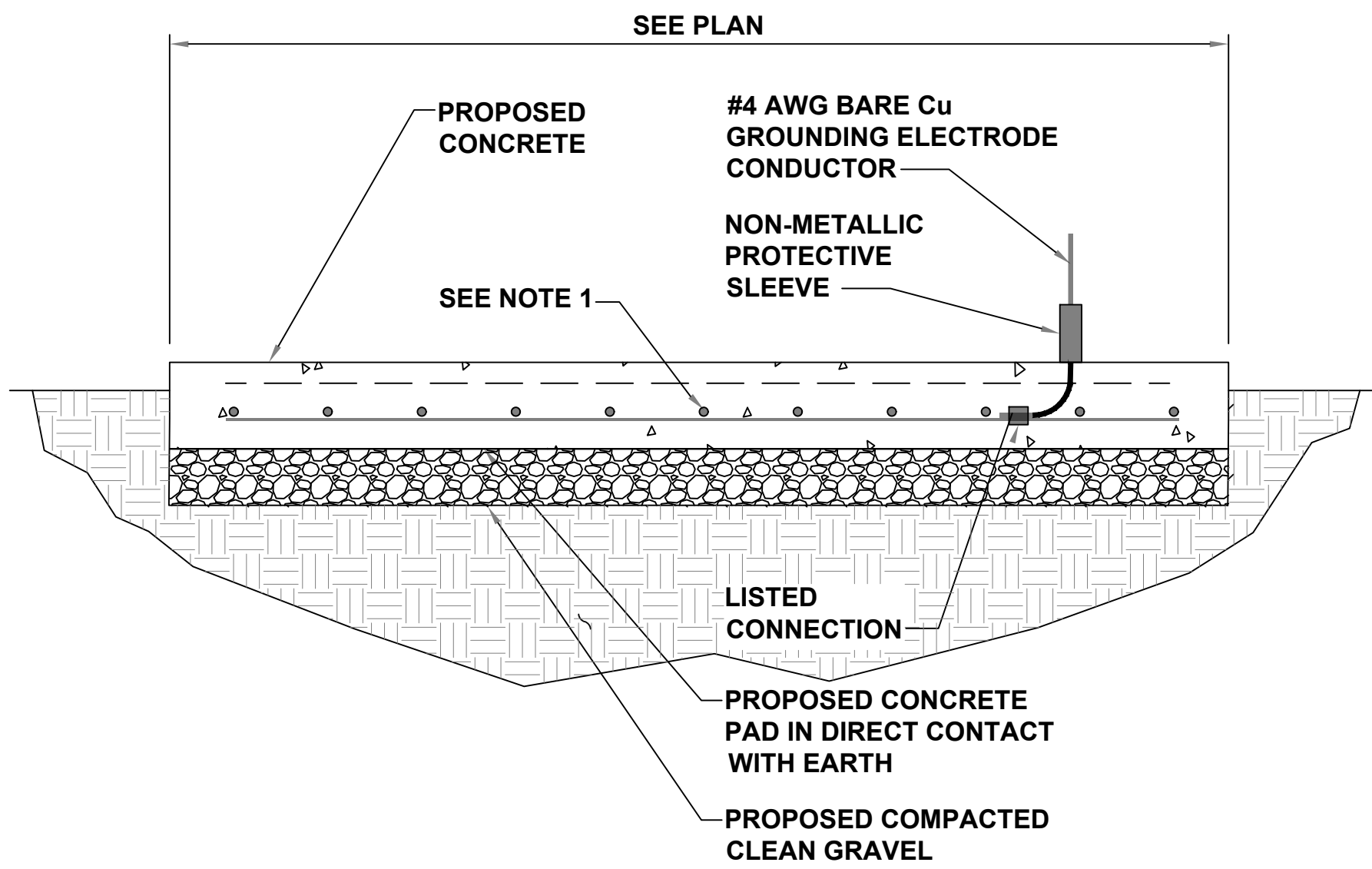
SHEET  
**E-3**



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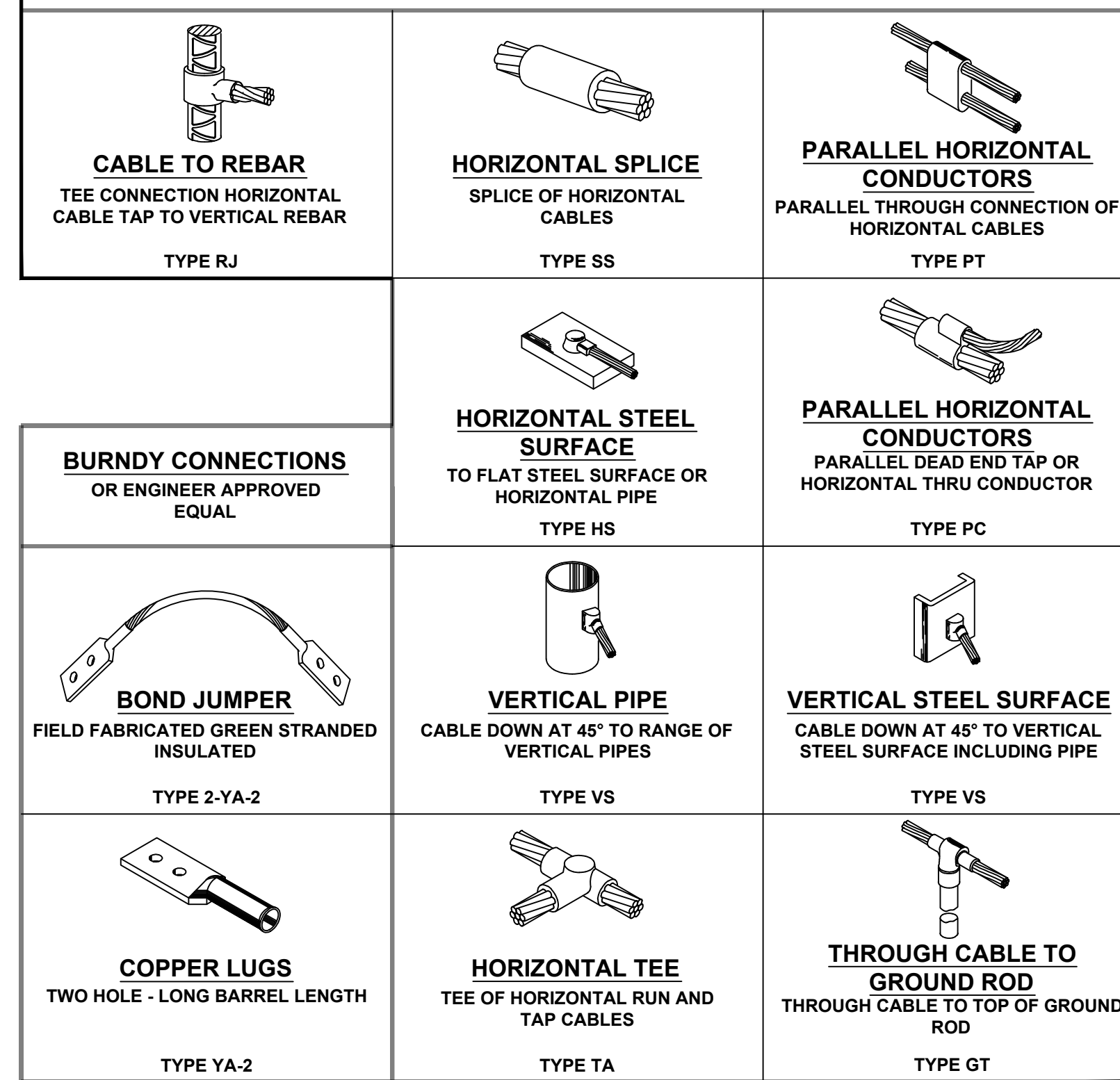
**NOTE**

- REBAR BONDED TOGETHER WITH STEEL TIE WIRES OR EXOTHERMIC WELDING



**1 CONCRETE ENCASED ELECTRODE DETAIL**  
N.T.S.

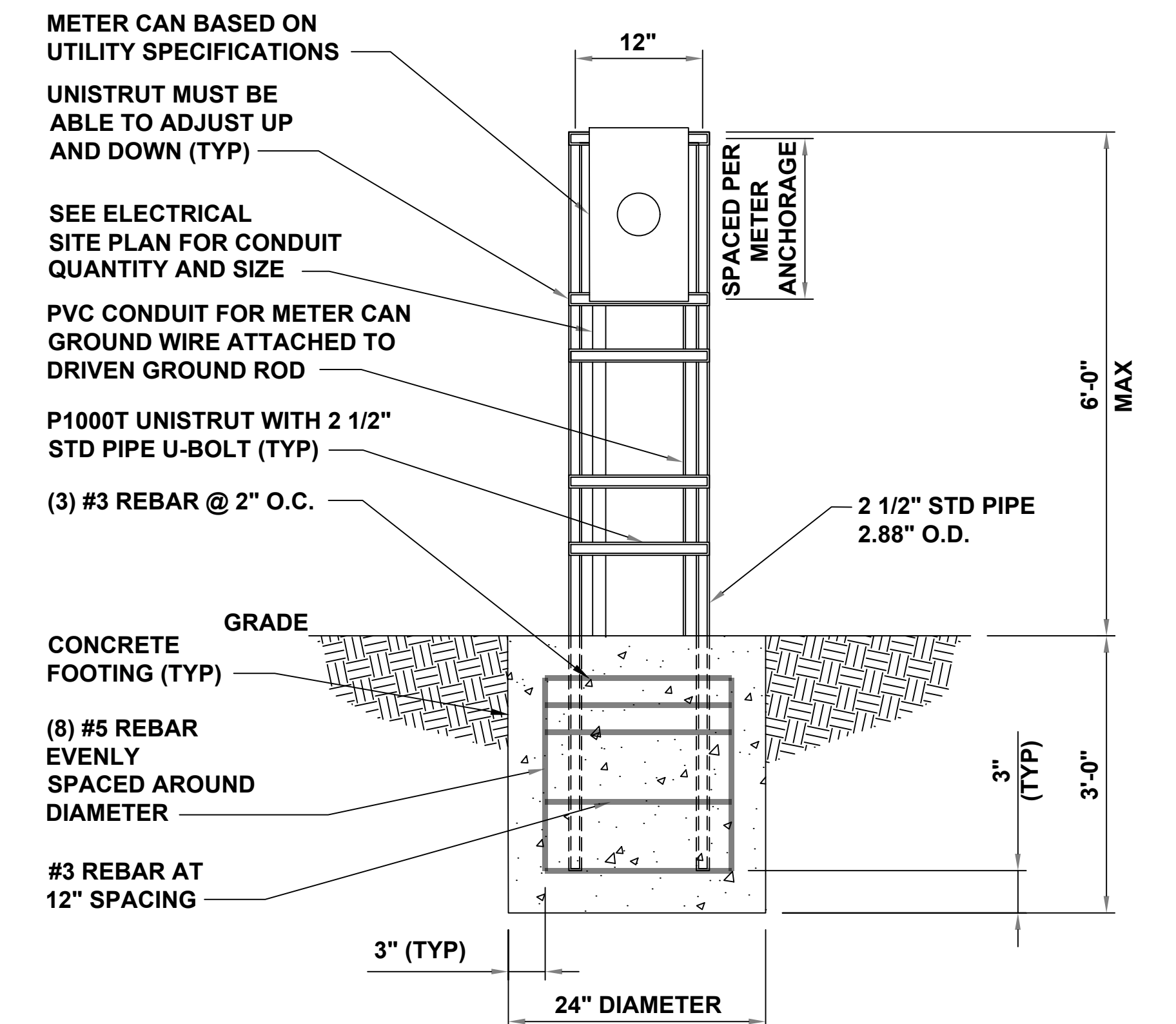
**CADWELDED CONNECTIONS**  
OR ENGINEER APPROVED EQUAL



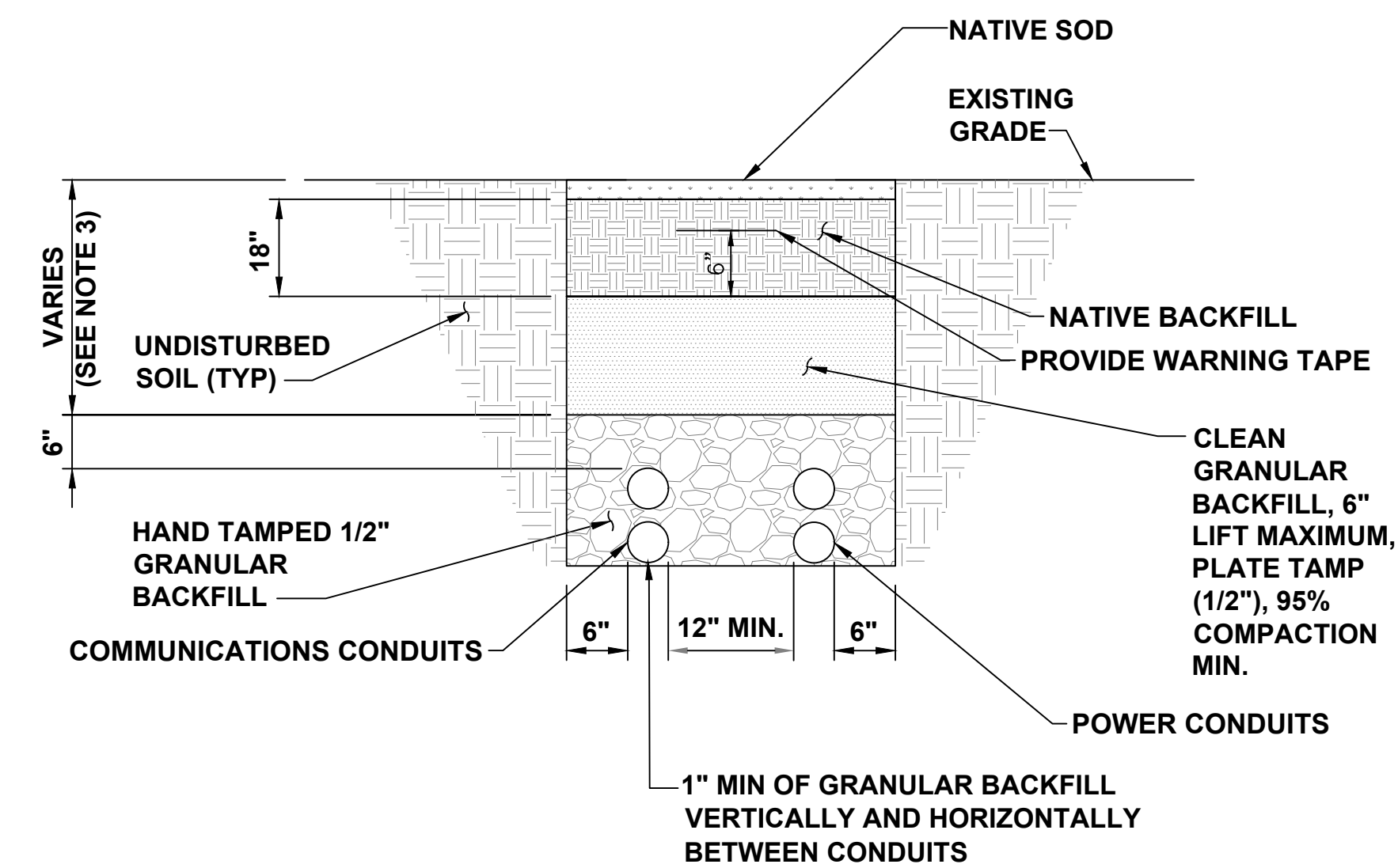
**2 CADWELDED CONNECTION DETAIL**  
N.T.S.

**NOTE**

- GENERIC LOADING: V=115 MPH, EXP C, KZ=0.85, SS=3.73g, SITE CLASS=D, SDS=2.64, (2) 1-1/4" CONDUIT, METER MAX WIND AREA = 540 SQ IN.



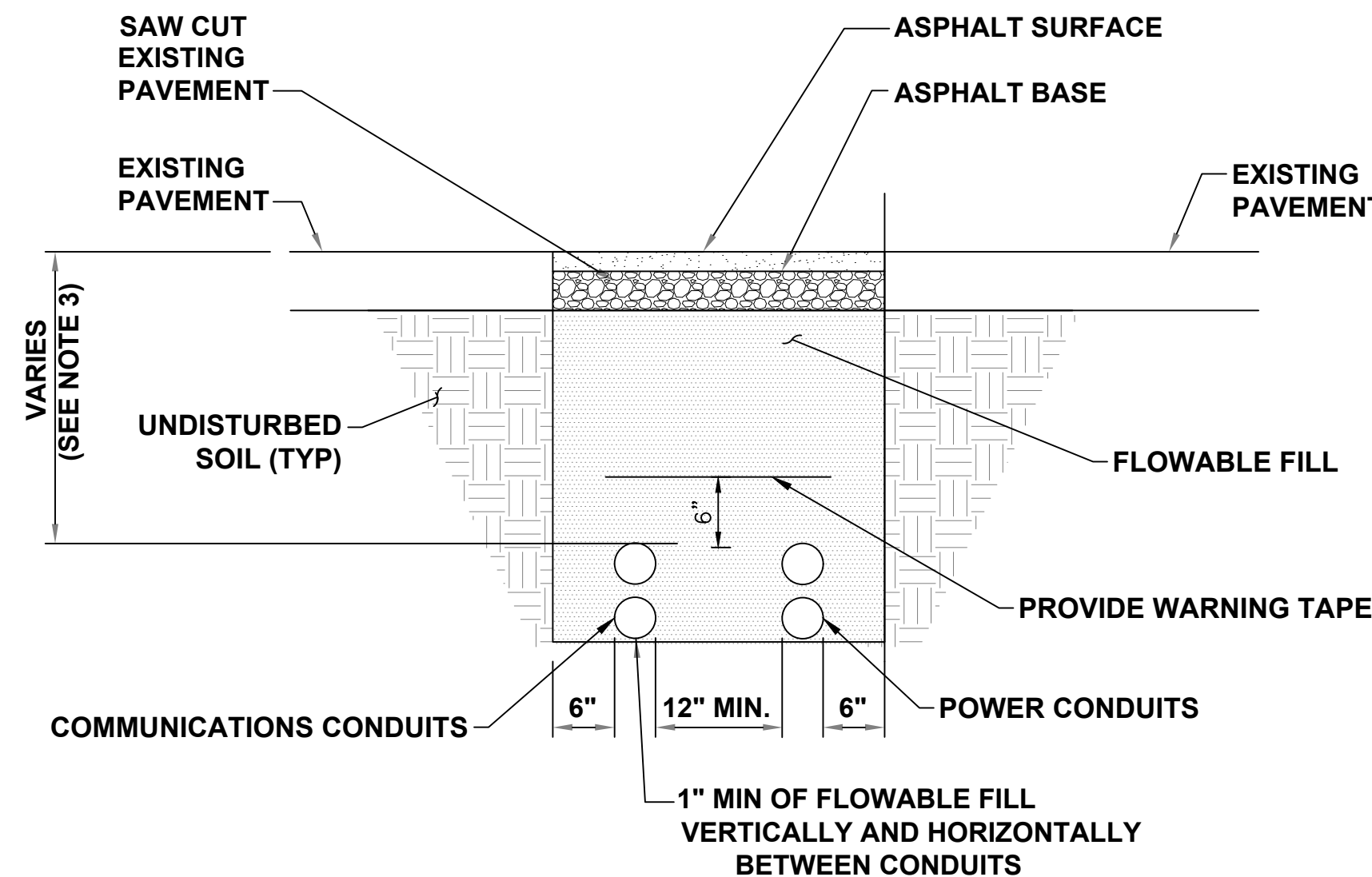
**C STANDALONE CT RATED METER CAN UNISTRUT SUPPORT**  
N.T.S.



**NOTES**

- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO INSURE THE SAFETY OF THE GENERAL PUBLIC.
- ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
- TRENCH DEPTHS ARE REQUIRED TO BE 2'-0" MIN. OR 6" BELOW FROST LINE PER LOCAL JURISDICTION REQUIREMENTS.
- EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E-1 & E-2, EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.

**4 TYPICAL NON-UTILITY CONDUIT UNDER SOIL TRENCH**  
N.T.S.



**NOTES**

- ASPHALT SHALL COMPLY WITH STANDARD DOT OR LOCAL JURISDICTION SPEC. FOR HMA SURFACE COURSE.
- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO INSURE THE SAFETY OF THE GENERAL PUBLIC.
- TRENCH DEPTHS ARE REQUIRED TO BE 2'-0" MIN. OR 6" BELOW FROST LINE PER LOCAL JURISDICTION REQUIREMENTS.
- ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
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**5 TYPICAL NON-UTILITY CONDUIT UNDER ASPHALT TRENCH**  
N.T.S.

**NOTES:**

- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- 2014 NEC 250.121 EXCEPTION: A WIRE-TYPE EQUIPMENT GROUNDING CONDUCTOR INSTALLED IN COMPLIANCE WITH 250.6(A) AND THE APPLICABLE REQUIREMENTS FOR BOTH THE EQUIPMENT GROUNDING CONDUCTOR AND THE GROUNDING ELECTRODE CONDUCTOR IN PARTS II, III, AND VI OF THIS ARTICLE SHALL BE PERMITTED TO SERVE AS BOTH AN EQUIPMENT GROUNDING CONDUCTOR AND A GROUNDING ELECTRODE CONDUCTOR.

**F GROUNDING NOTES**  
E-4



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NM240036 - KROGER SMITHS 443  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
ELECTRICAL DETAILS



PROJECT NO.  
196408000

SHEET  
E-4



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ACCESS TO: Front View PHASE: 3PH  
CLASS: 2 AMPERE 200A  
LABEL: UL 95 BUS MTL. 4 750AIP  
VOLTAGE: 480/277 V PLATE: 19-199  
STYLE: ReliaGear RATING: Full Panel  
BUS BRACING (RMS SYM): 8500A  
DEV. MNT. RATING (RMS SYM): 8500A

Circuit No.	Device	Trip Sensor	Notes
1	FBNB	15 - 1	(1) - #14 - #10 AWG CU - Mech. AL
2	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
3	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
4	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
5	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
6	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
7	XTSH	600 - 3	(2) - 200 - 500 MCM AL - Mech. AL 16,17,18,19,20
8	FBNB	15 - 1	(1) - #14 - #10 AWG CU - Mech. AL
Main	E2-ZSF	2000 3	10,11,12,13,14,15,21,22,23,24,27,28,29,30

NOTES:  
1. Switchboard furnished with a rainproof TYPE 3R (non-walk-in) enclosure.  
NOTE: See plan view for details. Need additional 1 inch space clearance on top and 1.5 inch clearance on the rear of the swbd.  
2. Equipment ground bus furnished with lugs.  
3. Switchboard qualified for Seismic Ratings per publication DET-463 and OSP-0044-10.  
4. Stripping splices between each section, strip each section separately.  
5. Switchboard furnished with section space heaters.  
6. Switchboard furnished with thermostat control for section space heaters.  
7. Switchboard furnished with lightning arrester.  
8. Switchboard furnished with hinged puller covers.  
9. Switchboard furnished with fully rated panel.  
10. Device is 100 percent rated.  
11. Device furnished with 120V electric operator.  
12. Device is furnished with integral ground fault protection.  
13. Device is furnished with RELT (Reduced Energy Let Through).  
14. Device requires RELT or ZSI feature if Authority having jurisdiction has adopted NEC 2014 code requirements.  
15. Device furnished with Ekip 16-Touch (LSIG) Programmer.  
16. Device furnished with (1) OpenClose 250V AC/DC Auxiliary Contact + (1) Trip Signaling 250V AC/DC Auxiliary Contact.  
17. Device furnished with PI Fixed Padlock - Open.  
18. Device furnished with Shunt Trip - 110-120V AC / 110-120V DC  
19. Device furnished with Thermal-Magnetic Adjustable Trip.  
20. Device furnished with Ekip Com Modbus TCP / STA Modbus TCP  
21. Device furnished with (4Q) Auxiliary Contacts - 24V  
22. Device furnished with (YR) Remote Reset - 110V AC/DC  
23. Device furnished with (YC) Closing Coil - 110-120V AC/DC  
24. Device furnished with (YO) Opening Coil - 110-120V AC/DC  
25. Estimated total factory connected wiring points for the lineup 89.  
26. Estimated shipping weight for the lineup is 1843 lbs.  
27. Device furnished with DC Supply - 24V - 48V  
28. Device furnished with RELT-Ekip Signaling 2K3  
29. Device furnished with Charging motor/Ekip com actuator - 100-130V AC  
30. Device furnished with 1% accuracy Measuring Package  
31. Miscellaneous Add-Ons:  
1 MOXA UC-3111-T-US-LX-QTC-ABB

PROJECT NAME: Electrify America Cycle 3 Substations  
CUSTOMER: ELECTRIFY AMERICA LLC, RESTON

DRAWING TITLE: Data Information  
CREATED BY: JRT  
DATE: 09/09/2022 13:13:31

PRODUCT NAME: ReliaGear Switchboard  
MARKS: 2000A TALL NEW NEMA  
QUOTE NO: 079-3092842  
SHEET: 2 OF 4

W: Date: 3/10/2022 14:33:39 PM

ACCESS TO: Front View PHASE: 3PH  
CLASS: 2 AMPERE 200A  
LABEL: UL 95 BUS MTL. 4 750AIP  
VOLTAGE: 480/277 V PLATE: 19-199  
STYLE: ReliaGear RATING: Full Panel  
BUS BRACING (RMS SYM): 8500A  
DEV. MNT. RATING (RMS SYM): 8500A

Switchboard / Device Information

1 SOLA POWER SUPPLY  
1 1KVA UPS (needs 14H cover)  
1 MOXA LP569273M-615MAM antenna and RG58U4-5MSF antenna cable  
1 400 HARMATT1 TO HEATER CIRCUIT  
32. Due to the presence of Miscellaneous Add-Ons, please review drawings with the factory to ensure accuracy.  
33. Drawing Notes:  
NEMA 3R to have rainproof sloping roof. Insect screens on NEMA 3R enclosure over vent openings  
Switchboard Doors: Open 90 degrees, can do split doors for 35" wide and wider sections  
Factory installed 120V GFI 20A receptacle, need wire rated for 20Amp, behind any NEMA 3R doors  
Ekip Com to be Modbus TCP/IP over CAT 5/6 cable  
Utility main Load control algorithm (based on skip trip units). Trip unit for main to have power controller, 10K-2 device, breaker to have Ekip link communication module  
Utility Main breaker power control algorithm installed  
Load control scheme: Ekip Signaling 1K-1 XTS-INT for all charger feeder breakers 1SDA105201R1  
Breaker logic needs to be outage resistant, meaning breakers need to be able to communicate status even in the event of an outage or after opening or trip. Provide UPS to accomplish.  
Use UPS for control power ride through on utility main due to reverse power shut off.  
Reverse power via relay when battery breaker in scope.  
1200Amp main breaker to be EMAX 1.2, 2000A to be EMAX 2.2,  
3000A to be EMAX 4.2, 4000A to be EMAX 6.2  
Battery back feed breaker with GF to be at end of bus, opposite end from utility main  
XTM to be 1200Amp frame with a 1000Amp rating plug  
Battery Breaker: LSIG branch breaker to be XTM with ability to remotely operate  
Main Source: ELAM to provide name of synchronizing manufacturer for UL891 compliance  
Main breaker and battery breaker (when in scope) to have HI Touch trip units.  
600Amp branch breakers to have Touch trip units when battery breaker in scope.  
600Amp branch breakers to have thermal magnetic trip units when no battery breaker in scope.  
Ekip Connect free downloadable software needed for all field technicians  
Provide dual rated CUAL lugs on the branch breakers.  
All doors to be split doors.  
Dimensional notes for scopes:  
Width: 1200A and 2000A main breaker section 30" wide when combined with utility doors, else 35"  
Width: 3000A main breaker section 35" wide, 4000A 45" wide  
Depth: 1200A and 2000A depth 35", 3000A depth 45", 4000A depth 50"  
Horizontal and neutral bus to be oversized when battery breaker in scope (BESS)  
Horizontal bus to be 2000A for 1200A Main breaker, 3000A for 2000A Main breaker when BESS  
Horizontal bus to be 4000A for 3000A Main breaker, 5000A for 4000A Main breaker when BESS  
Vertical bus in distribution section to be 2000Amp for 1200Amp Main breaker when BESS.  
Notes for short scopes when applicable:  
Short board max panel height is 32X. Full height max panel height 40X  
We can not offer reduced height switchboards for some utilities if CT compartment in switchboard  
Examples EUISER, PEPCO, Dominion due to minimum cable bending space required  
Electrify America/Canada to confirm UL or cUL for order entry for site  
34. As a result of Drawing Notes, this product may require modification to reflect correct footprint, price, cycle or UL certification.

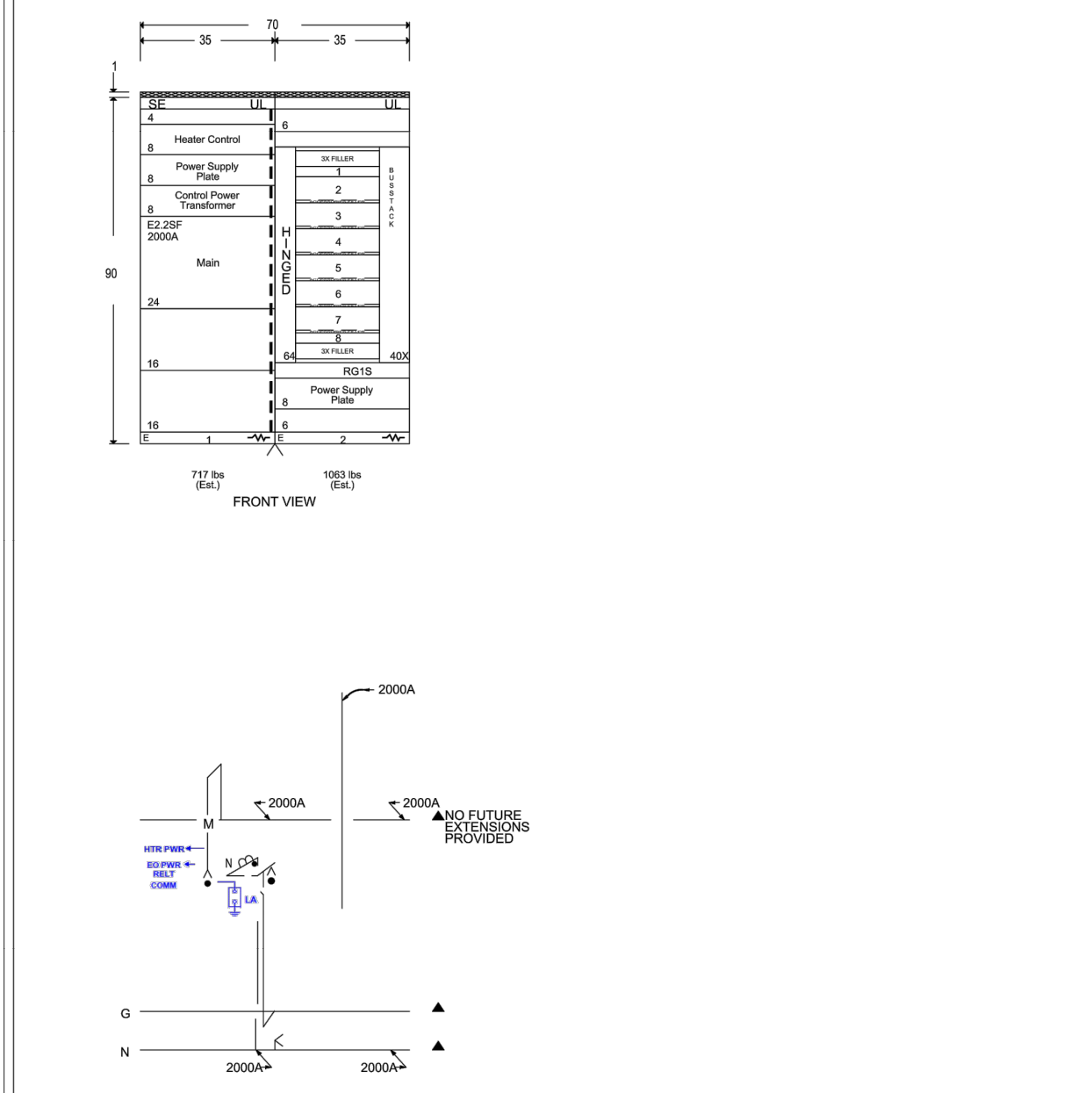
PROJECT NAME: Electrify America Cycle 3 Substations  
CUSTOMER: ELECTRIFY AMERICA LLC, RESTON

DRAWING TITLE: Data Information  
CREATED BY: JRT  
DATE: 09/09/2022 13:13:31

PRODUCT NAME: ReliaGear Switchboard  
MARKS: 2000A TALL NEW NEMA  
QUOTE NO: 079-3092842  
SHEET: 2 OF 4

W: Date: 3/10/2022 14:33:39 PM

ACCESS TO: Front View PHASE: 3PH  
CLASS: 2 AMPERE 200A  
LABEL: UL 95 BUS MTL. 4 750AIP  
VOLTAGE: 480/277 V PLATE: 19-199  
STYLE: ReliaGear RATING: Full Panel  
BUS BRACING (RMS SYM): 8500A  
DEV. MNT. RATING (RMS SYM): 8500A



FRONT VIEW

BUSING DIAGRAM

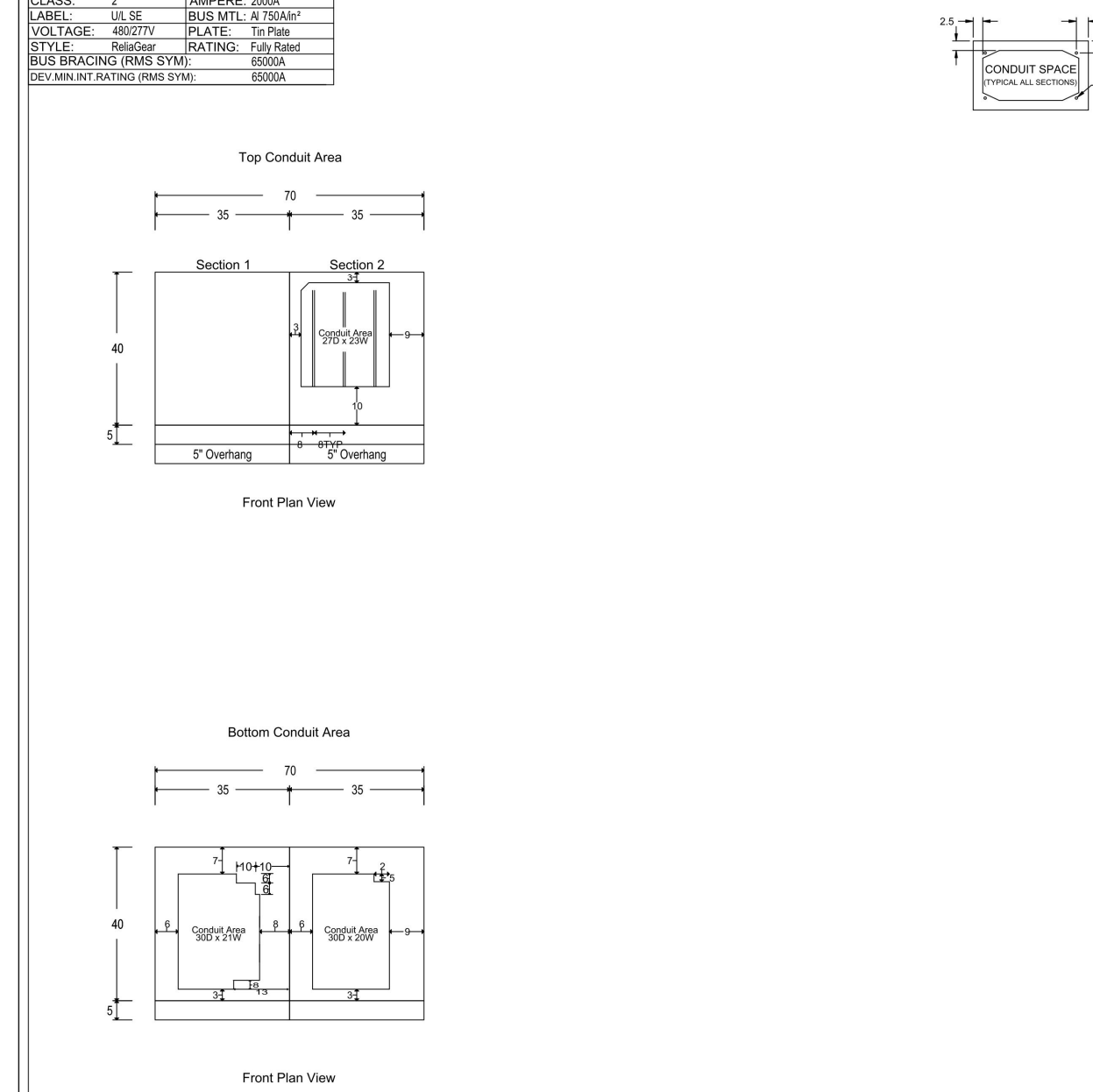
PROJECT NAME: Electrify America Cycle 3 Substations  
CUSTOMER: ELECTRIFY AMERICA LLC, RESTON

DRAWING TITLE: Front View Busing  
CREATED BY: JRT  
DATE: 09/09/2022 13:13:31

PRODUCT NAME: ReliaGear Switchboard  
ITEM NO: 2000A TALL NEW NEMA  
MARKS: 2000A TALL NEW NEMA  
QUOTE NO: 079-3092842  
SHEET: 2 OF 4

W: Date: 3/10/2022 14:33:39 PM

ACCESS TO: Front View PHASE: 3PH  
CLASS: 2 AMPERE 200A  
LABEL: UL 95 BUS MTL. 4 750AIP  
VOLTAGE: 480/277 V PLATE: 19-199  
STYLE: ReliaGear RATING: Full Panel  
BUS BRACING (RMS SYM): 8500A  
DEV. MNT. RATING (RMS SYM): 8500A



Top Conduit Area

Front View

Bottom Conduit Area

Front View

PROJECT NAME: Electrify America Cycle 3 Substations  
CUSTOMER: ELECTRIFY AMERICA LLC, RESTON

DRAWING TITLE: Conduit View  
CREATED BY: JRT  
DATE: 09/09/2022 13:13:31

PRODUCT NAME: ReliaGear Switchboard  
MARKS: 2000A TALL NEW NEMA  
QUOTE NO: 079-3092842  
SHEET: 4 OF 4

W: Date: 3/10/2022 14:33:39 PM



ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY  
DRIVE  
SUITE 200  
RESTON, VA 20191

Kimley Horn  
@2022 KIMLEY-HORN AND  
ASSOCIATES, INC.

4582 S. ULSTER STREET  
SUITE 1500  
DENVER, CO 80237  
303-288-2300

NO.	REVISION	BY	DATE

DESIGNED BY: JRT  
DRAWN BY: JRT  
CHECKED BY: DSH  
DATE: 09/19/2022

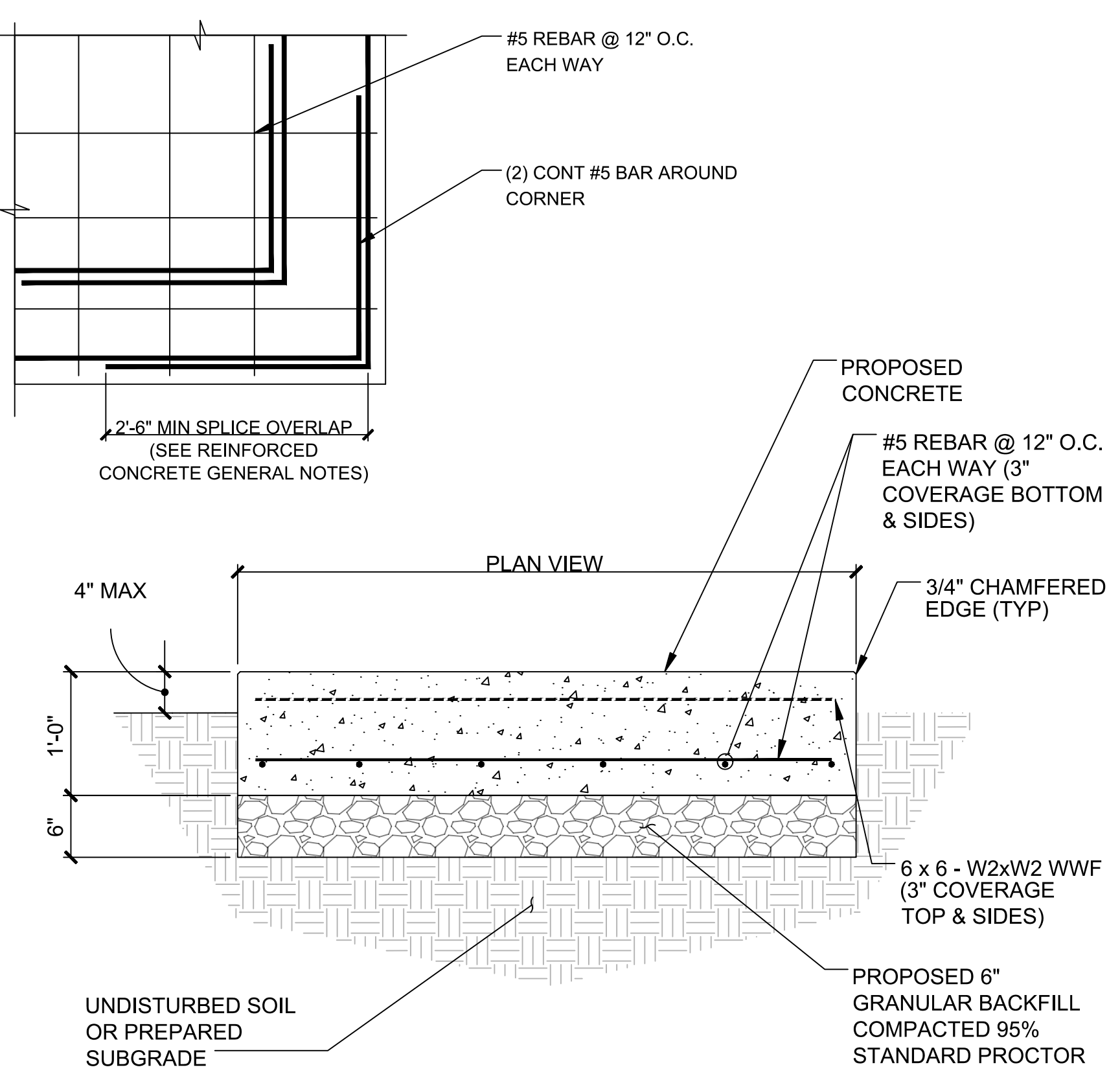
NM240036 - KROGER SMITHS 443  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
SWITCHGEAR DETAILS

PROJECT NO.  
196408000  
SHEET  
E-5

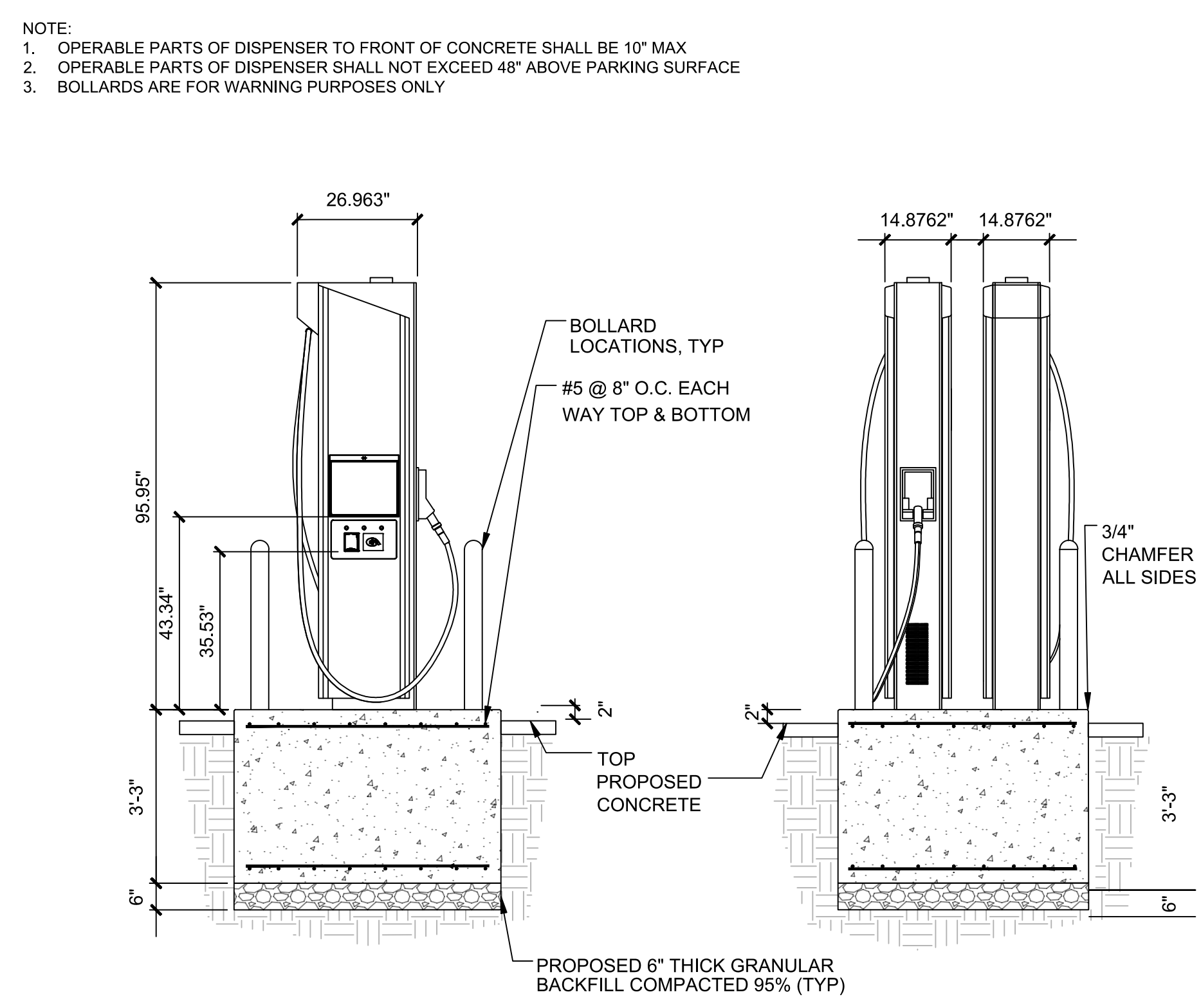
FOR REFERENCE ONLY



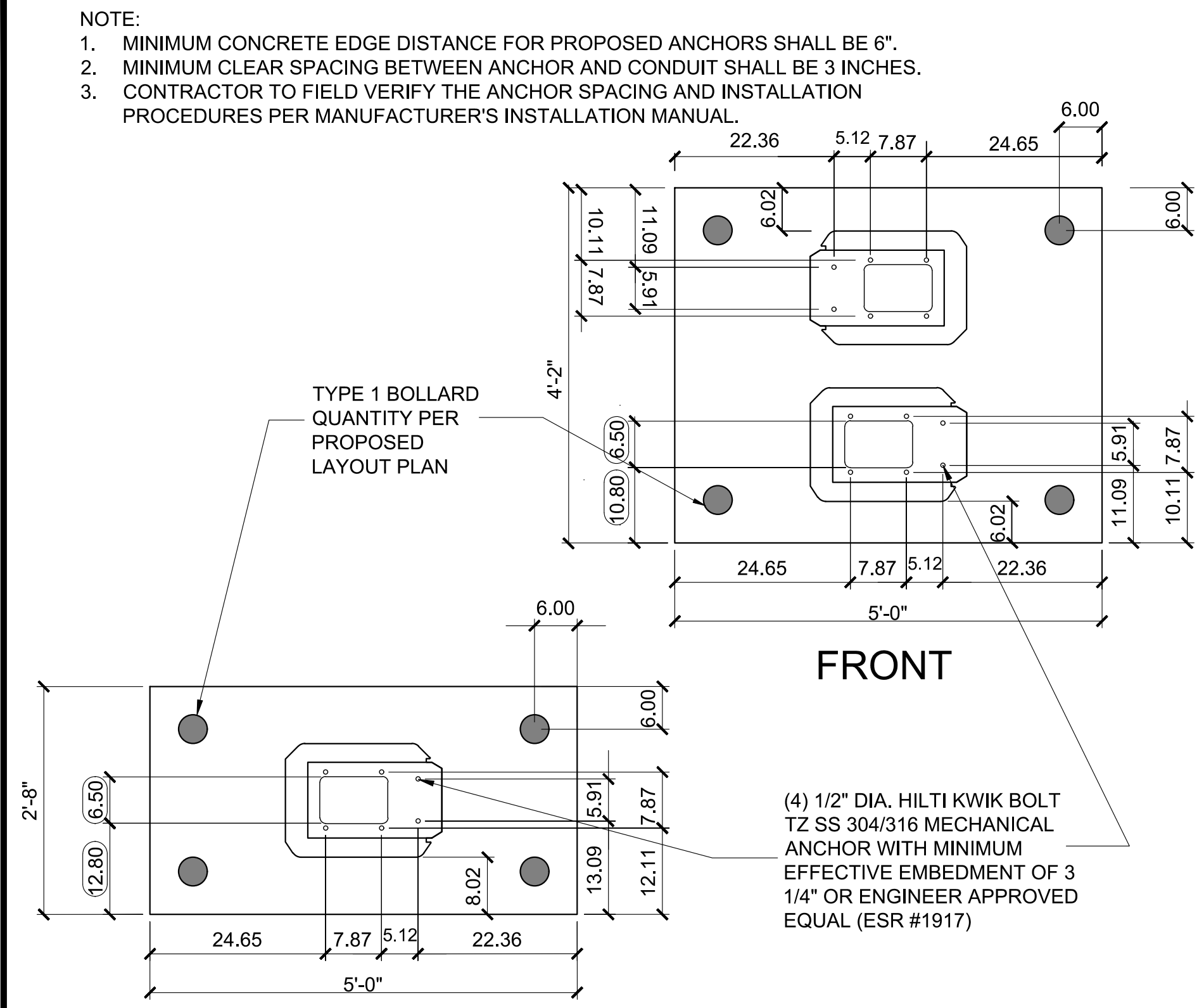
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS AN INSTRUMENT OF SERVICE. IT IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF, AND IMPROPER RELIANCE ON, THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.



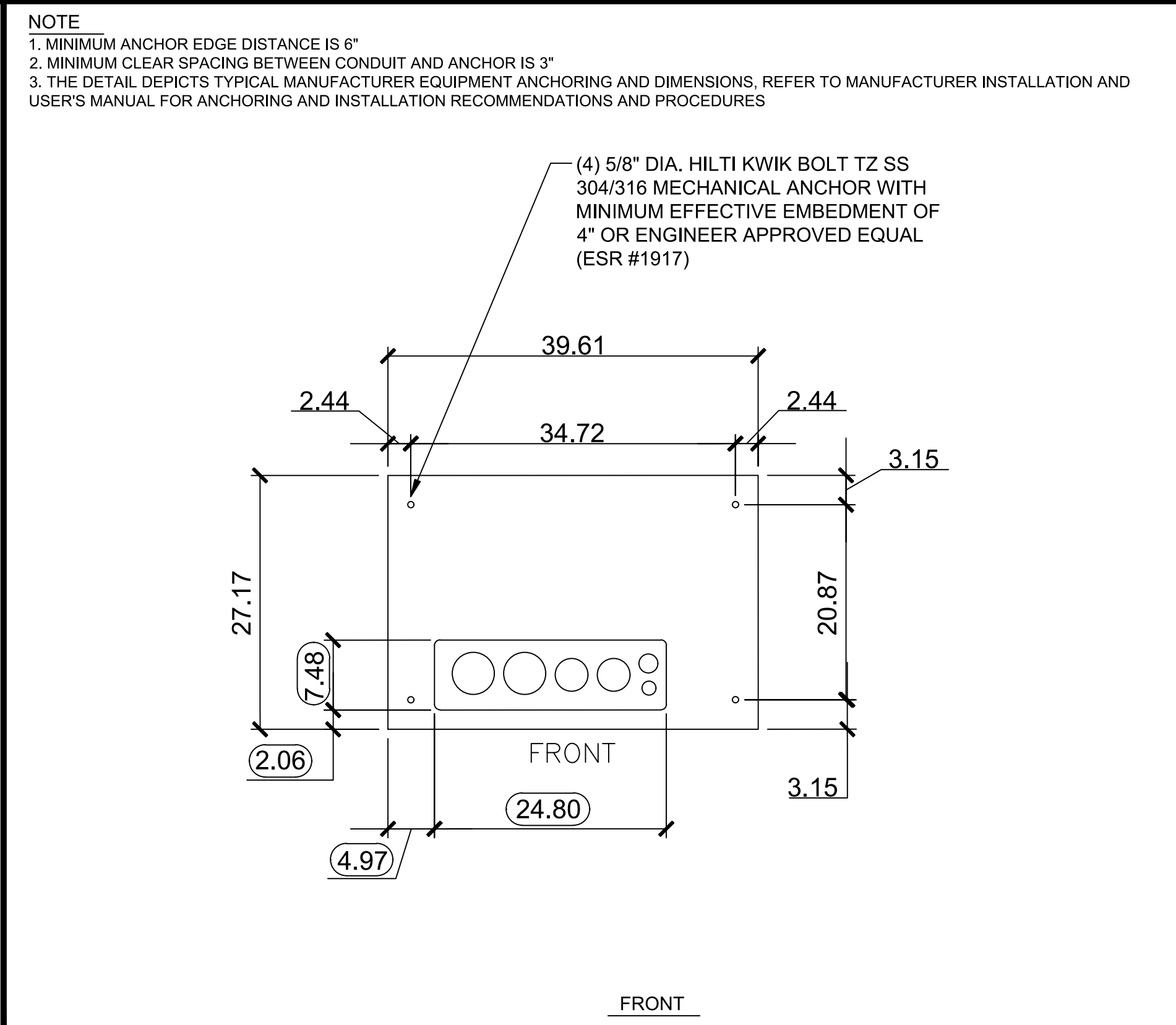
**1 EQUIPMENT PAD DETAIL**  
D-1 SCALE: N.T.S.



**2 DISPENSER BACK TO BACK DETAIL**  
D-1 SCALE: N.T.S.



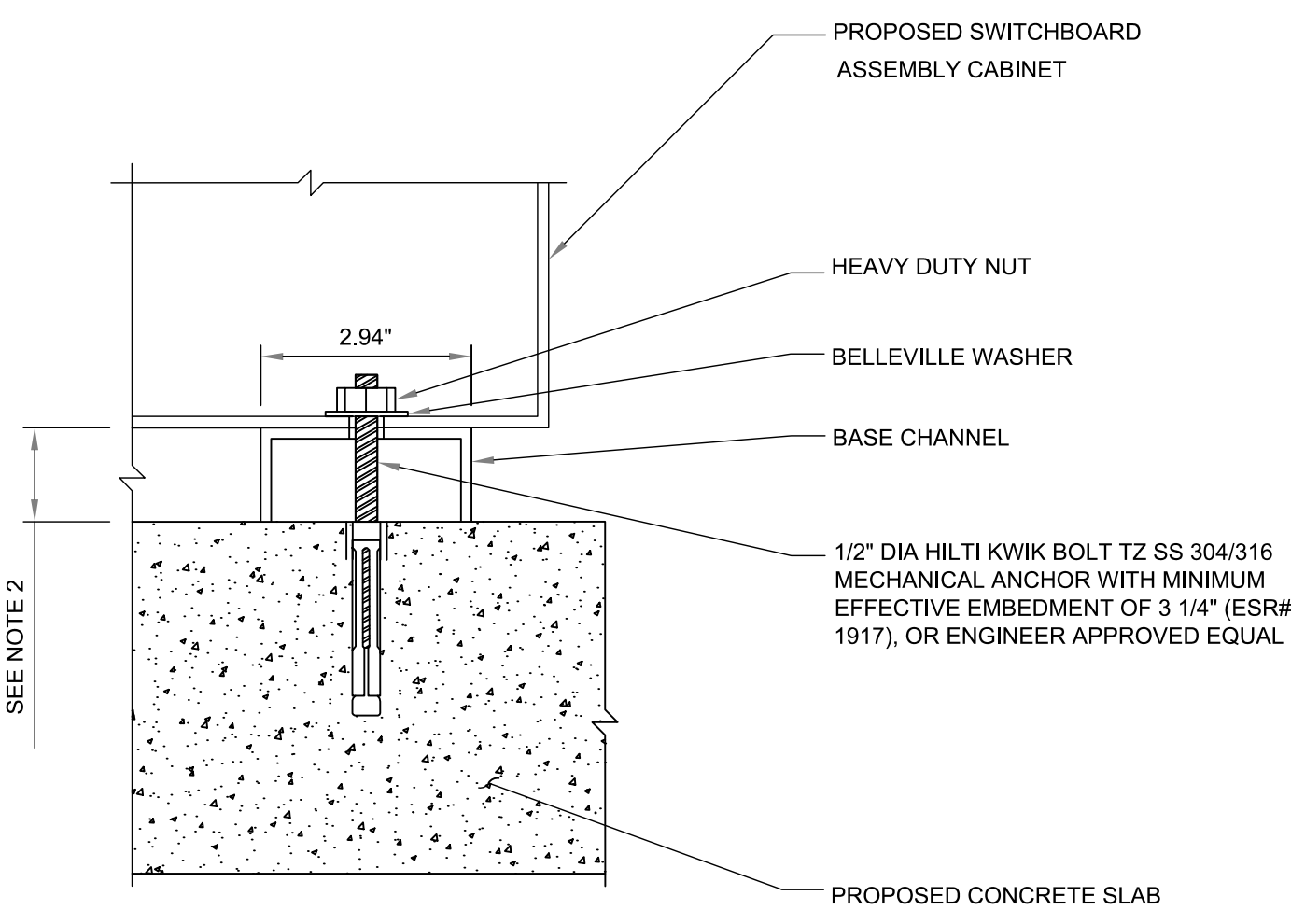
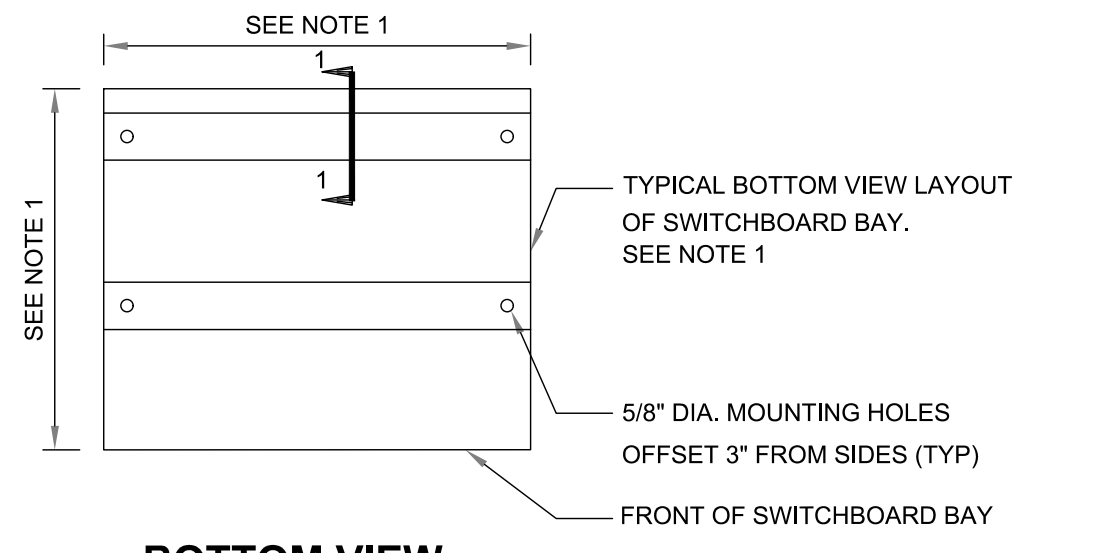
**3 SIGNET G4 DISPENSER ANCHORAGE AND CONDUIT ENTRY DETAIL**  
D-1 SCALE: NONE



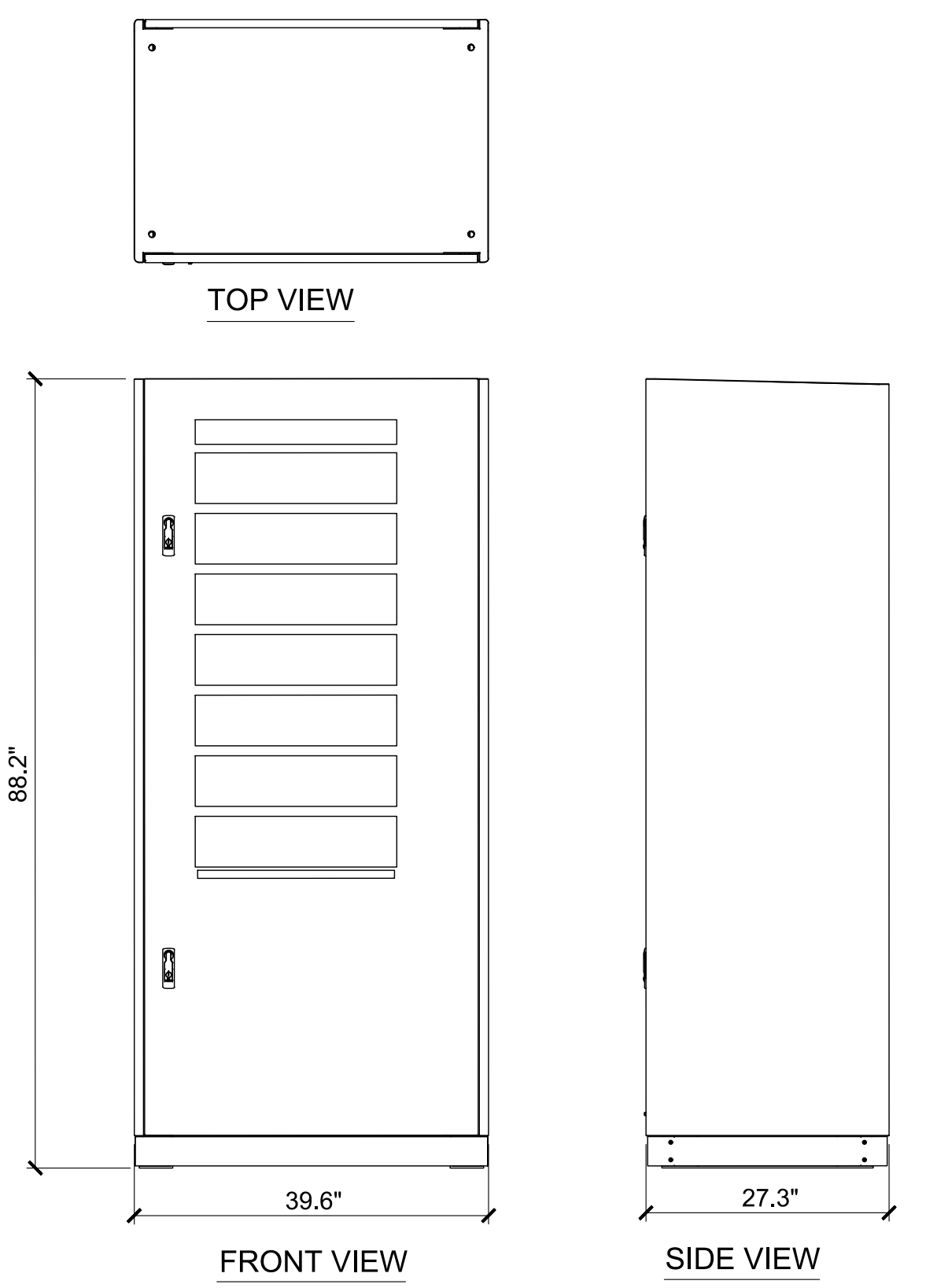
**6 SIGNET POWER UNIT ANCHORAGE AND CONDUIT ENTRY DETAIL**  
D-1 SCALE: NONE

**NOTES**

- SEE FLOOR PLAN IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR MOUNTING HOLE LOCATION AND SWITCHBOARD BAY DIMENSIONS.
- SEE ELEVATION IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR BASE CHANNEL DIMENSION.
- MINIMUM 10 1/2\"/>



**4 SWITCHBOARD MOUNTING DETAIL**  
D-1 SCALE: N.T.S.



**5 SIGNET POWER UNIT DETAIL**  
D-1 SCALE: N.T.S.

ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VA 20191

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4582 S. ULSTER STREET  
SUITE 1500  
DENVER, CO 80237  
303-288-2300

NO.	REVISION	BY	DATE	APPR.

DESIGNED BY: DMP  
DRAWN BY: DMP  
CHECKED BY: KEW  
DATE: 09/14/2022

**NM240036 - KROGER SMITHS 443**  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106  
**DETAIL SHEET 1**



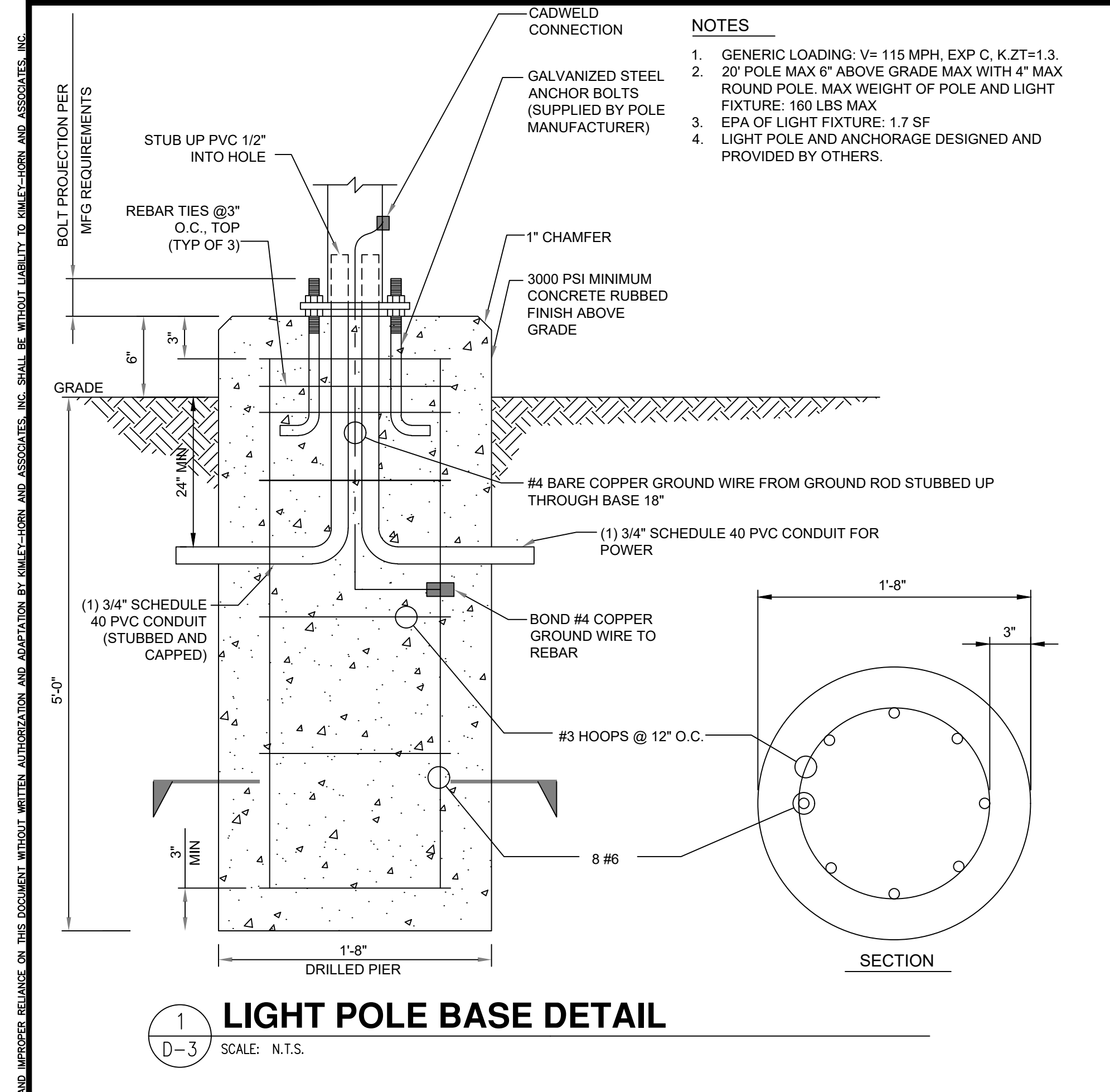
PROJECT NO.  
196408000

SHEET  
**D-1**









**1 LIGHT POLE BASE DETAIL**  
SCALE: N.T.S.

- NOTES**
1. GENERIC LOADING: V= 115 MPH, EXP C, K.ZT=1.3.
  2. 20' POLE MAX 6" ABOVE GRADE MAX WITH 4" MAX ROUND POLE. MAX WEIGHT OF POLE AND LIGHT FIXTURE: 160 LBS MAX
  3. EPA OF LIGHT FIXTURE: 1.7 SF
  4. LIGHT POLE AND ANCHORAGE DESIGNED AND PROVIDED BY OTHERS.

**SPECIFICATIONS**

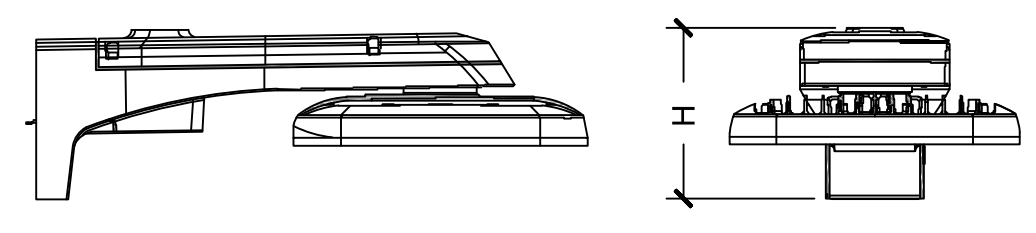
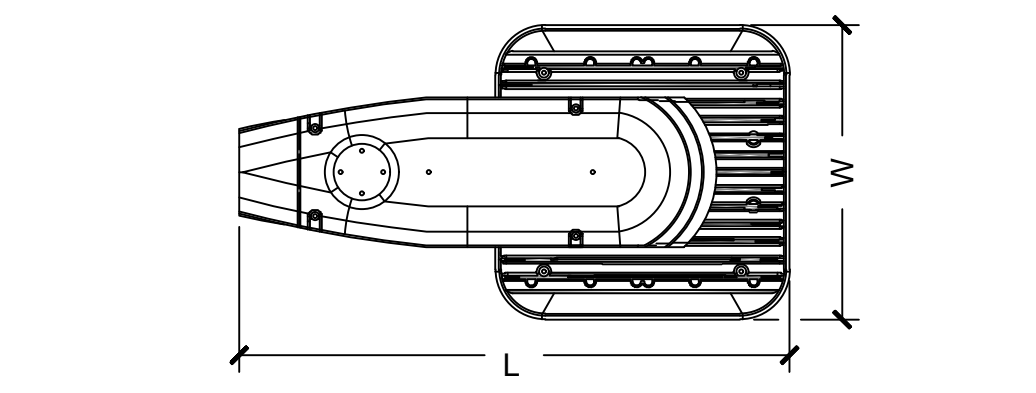
EPA: 0.7 FT<sup>2</sup> (0.07M<sup>2</sup>)

LENGTH: 25" (64CM)

WIDTH: 13-1/4" (34CM)

HEIGHT: 7-3/4" (20CM)

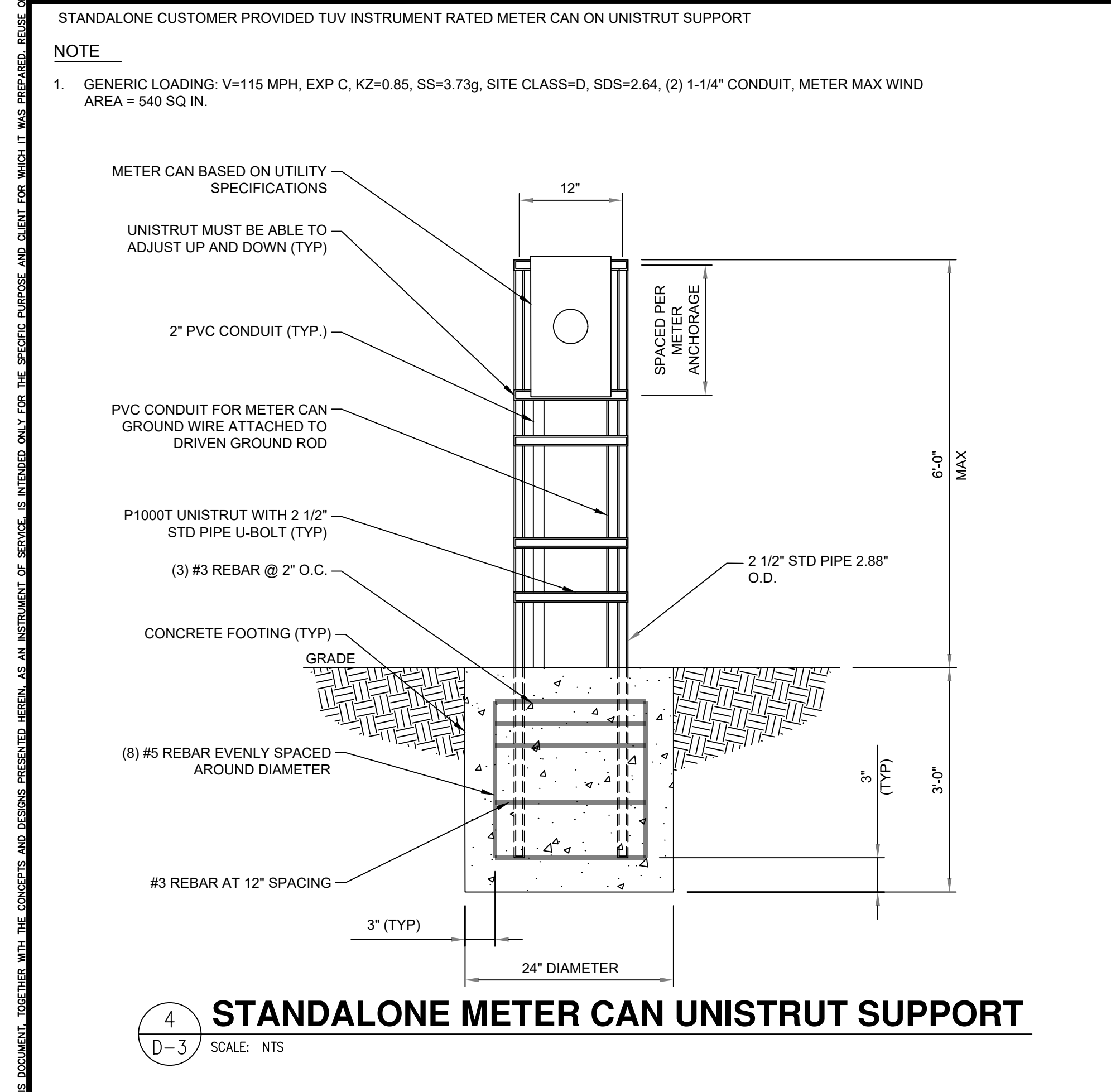
WEIGHT (MAX): 26 LBS (11.8KG)



FIXTURE:	LTH KAX1 LED P1 50K R3 MVOLT RPA PER DBLXD
POLE:	RSS 15 4-5B DM19AS FDL11-6B DBLXD
PHOTOCELL:	DLL 127F 1.5 JU

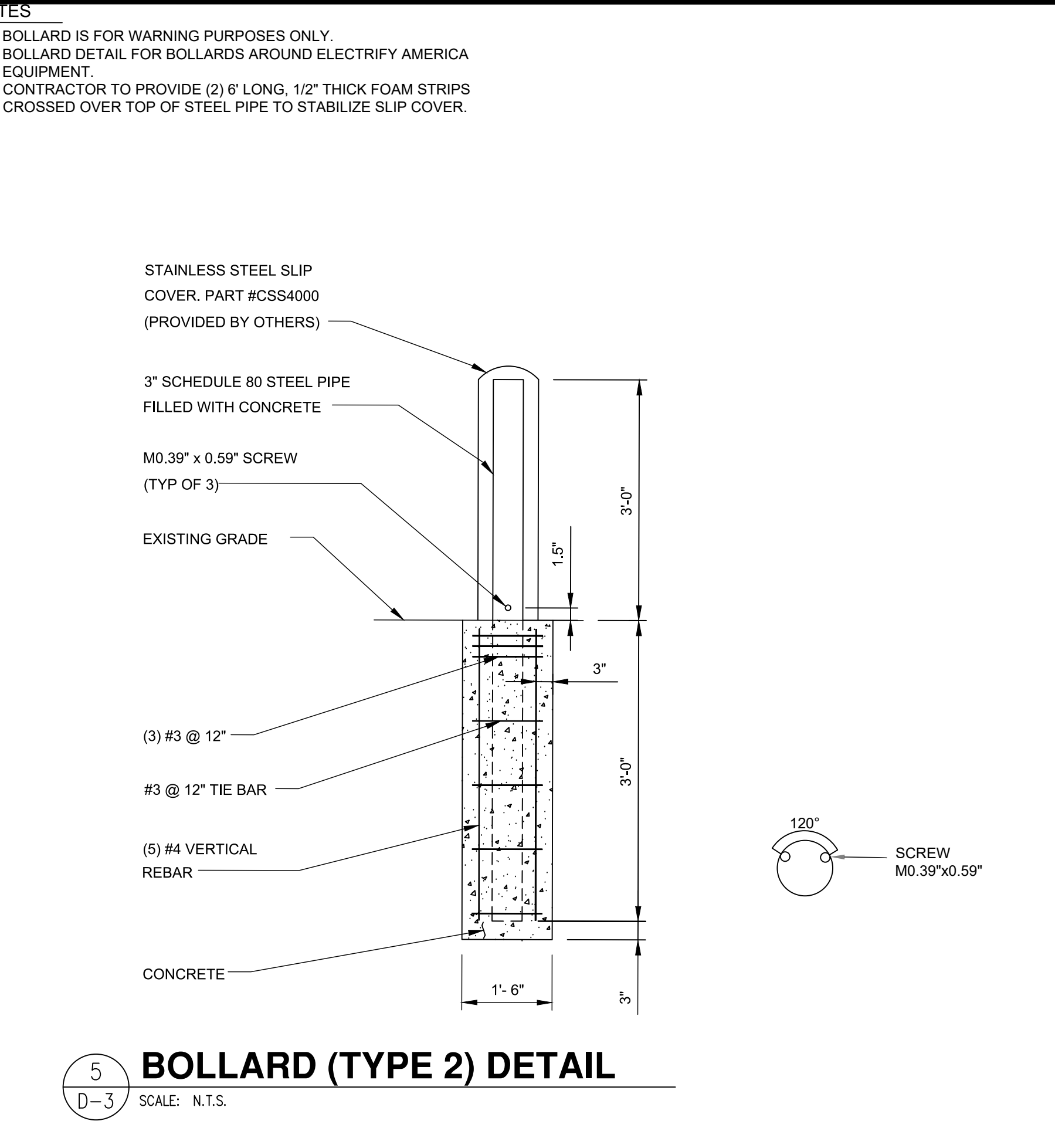
- NOTES:**
1. FIXTURE TO BE LED, FULL CUT-OFF, SINGLE FIXTURE AS MANUFACTURED BY LITHONIA LIGHTING.
  2. POLE TO BE 15 FOOT, ROUND STRAIGHT STEEL AS MANUFACTURED BY LITHONIA LIGHTING.
  3. PHOTOCELL TO BE DLL ELITE AS MANUFACTURED BY ACUITY CONTROLS.
  4. FIXTURE AND POLE COLOR BLACK.

**2 LIGHT FIXTURE, POST, PHOTOCELL**  
SCALE: N.T.S.



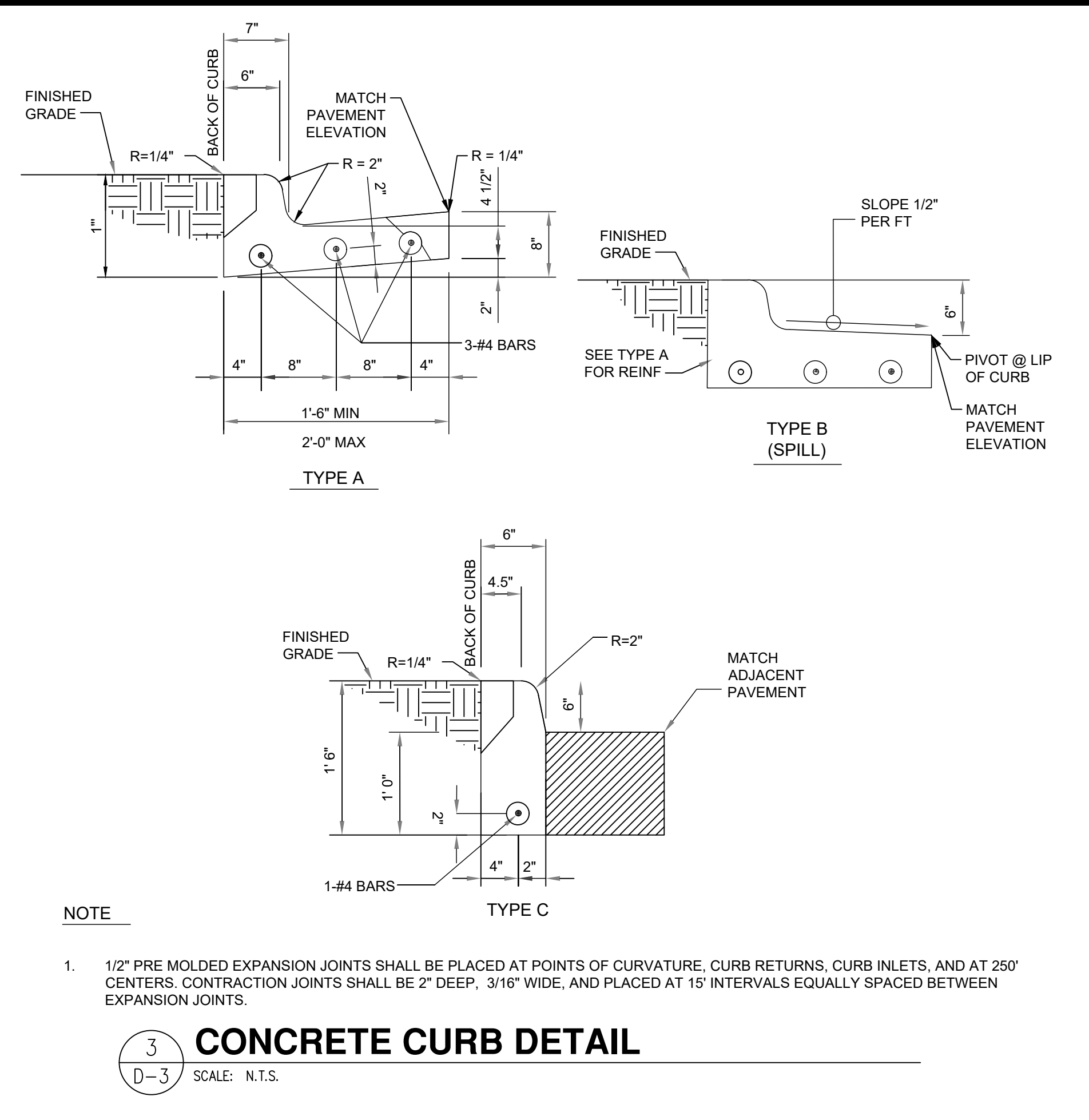
**4 STANDALONE METER CAN UNISTRUT SUPPORT**  
SCALE: N.T.S.

- NOTE**
1. GENERIC LOADING: V=115 MPH, EXP C, KZ=0.85, SS=3.73g, SITE CLASS=D, SDS=2.64, (2) 1-1/4" CONDUIT, METER MAX WIND AREA = 540 SQ IN.



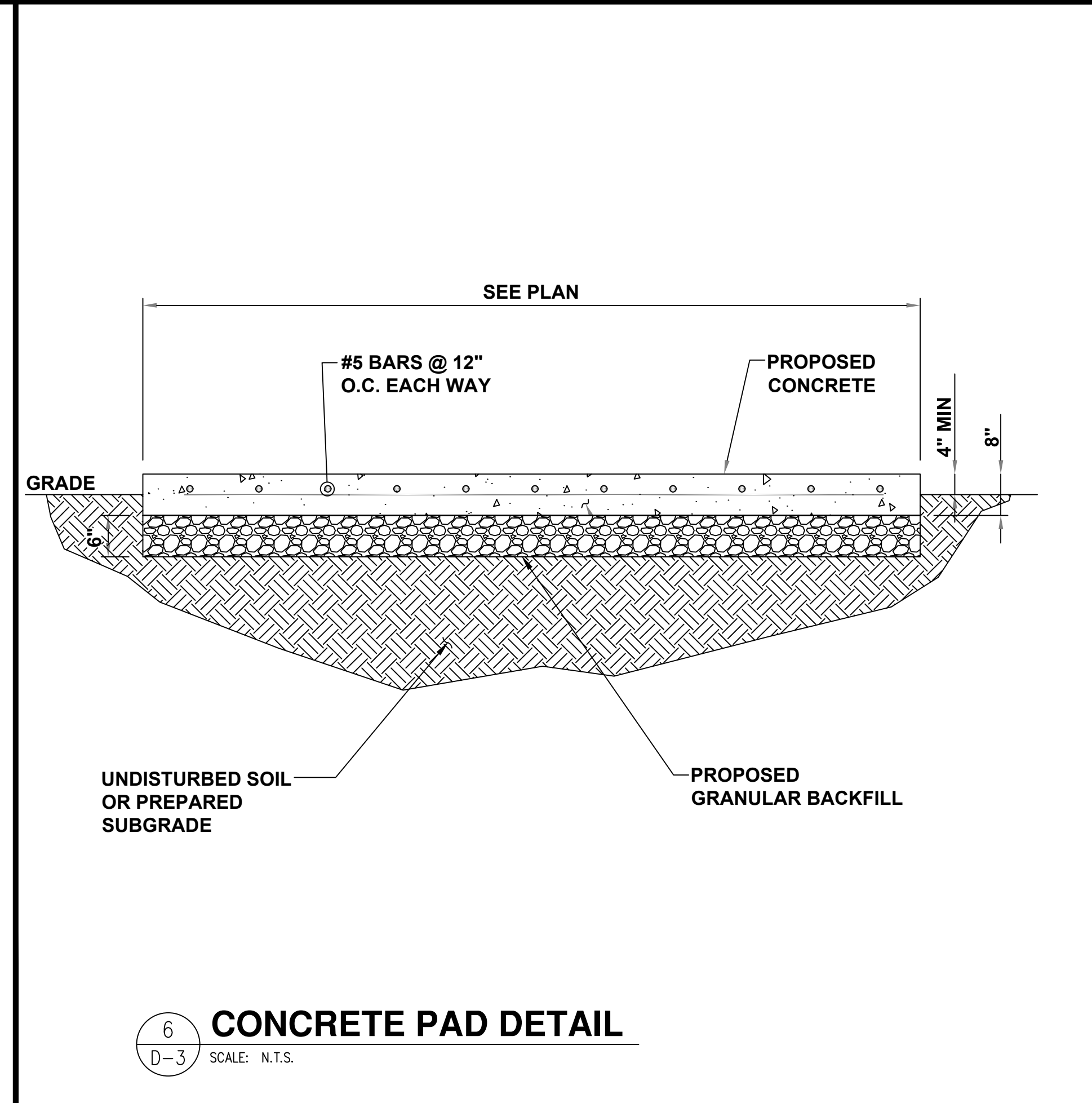
**5 BOLLARD (TYPE 2) DETAIL**  
SCALE: N.T.S.

- NOTES**
1. BOLLARD IS FOR WARNING PURPOSES ONLY.
  2. BOLLARD DETAIL FOR BOLLARDS AROUND ELECTRIFY AMERICA EQUIPMENT.
  3. CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.



**3 CONCRETE CURB DETAIL**  
SCALE: N.T.S.

- NOTE**
1. 1/2" PRE MOLDED EXPANSION JOINTS SHALL BE PLACED AT POINTS OF CURVATURE, CURB RETURNS, CURB INLETS, AND AT 250' CENTERS. CONTRACTION JOINTS SHALL BE 2" DEEP, 3/16" WIDE, AND PLACED AT 15' INTERVALS EQUALLY SPACED BETWEEN EXPANSION JOINTS.



**6 CONCRETE PAD DETAIL**  
SCALE: N.T.S.

ELECTRIFY AMERICA, LLC  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VA 20191

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303-288-2300

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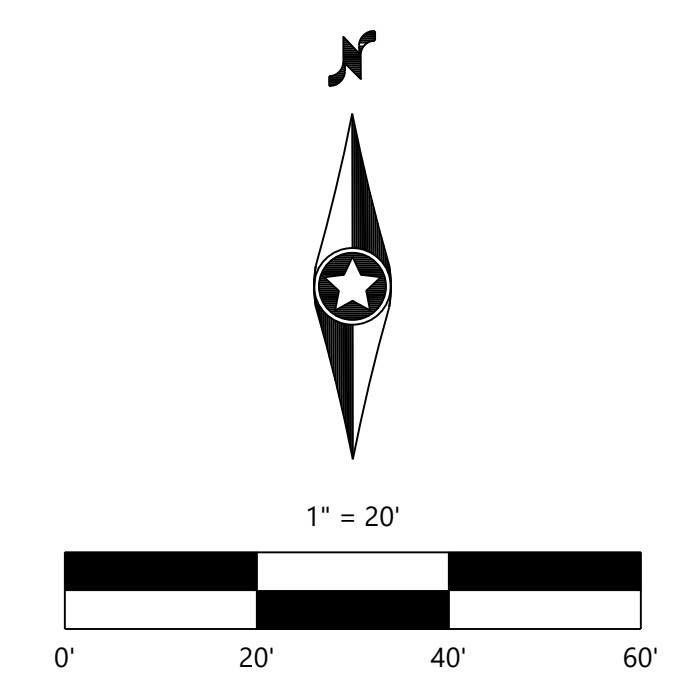
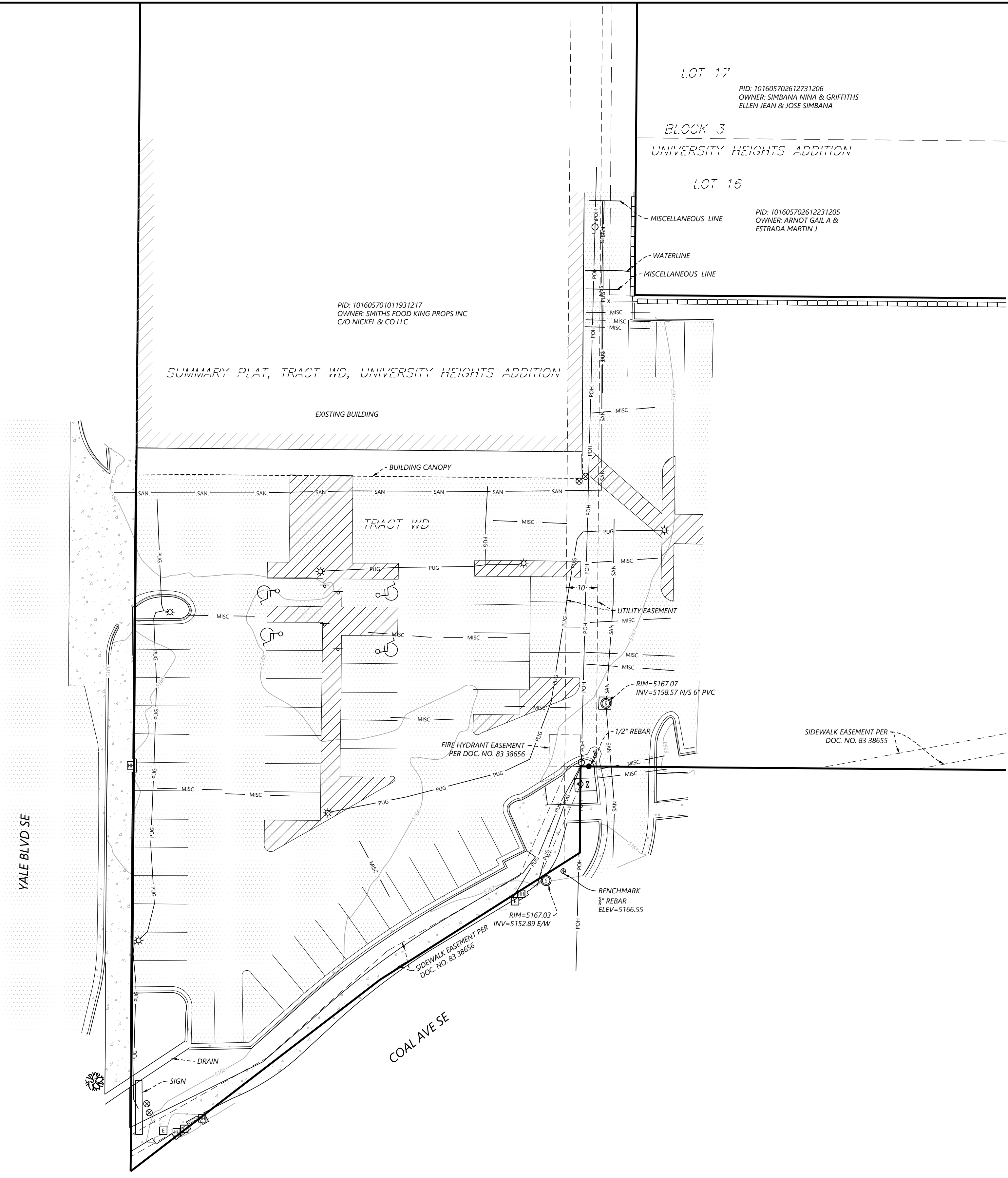
DESIGNED BY: DMP  
DRAWN BY: DMP  
CHECKED BY: KEW  
DATE: 09/14/2022

**NM240036 - KROGER SMITHS 443**  
320 YALE BLVD SE, ALBUQUERQUE, NM 87106

**DETAIL SHEET 3**

PROJECT NO. 196408000  
SHEET D-3





**LEGEND:**

⊕	SANITARY MANHOLE	⊗	STEEL/WOOD POST
⊙	SEWER CLEANOUT	⌵	SIGN
⊚	STORM MANHOLE	⊖	FLAG POLE
⊞	CATCH BASIN	☀	CONIFEROUS TREE
⊕	STORM INTERCEPTOR	☀	DECIDUOUS TREE
⊕	HYDRANT	☀	CACTUS
⊕	GATE VALVE	☀	PALM TREE
⊕	WATER METER	⊞	FIBER OPTIC PEDESTAL
⊕	FIRE DEPARTMENT CONNECTION	⊞	NATURAL GAS METER
⊕	DOUBLE DETECTOR CHECK VALVE	⊞	UNKNOWN MANHOLE
⊞	ELECTRIC BOX	⊞	MISCELLANEOUS METER
⊞	ELECTRIC METER	⊞	MISCELLANEOUS PEDESTAL
⊞	ELECTRIC MANHOLE	—	BOUNDARY LINE
☀	STREET LIGHT	—	GAS GAS LINE
☀	POWER POLE	—	POH POWER OVERHEAD
☀	MAST ARM	—	PUG POWER UNDERGROUND
☀	MAST ARM W/ LIGHT	—	SAN SANITARY SEWER
☀	TRAFFIC SIGNAL	—	STG STORM SEWER
⊞	TELEPHONE BOX	—	WAT WATERMAIN
⊞	TELEPHONE MANHOLE	—	CURB & GUTTER
⊞	HAND HOLE/JUNCTION BOX	▨	CONCRETE SURFACE
⊞	CABLE TV BOX	▨	BITUMINOUS SURFACE
●	FOUND MONUMENT (SEE LABEL)	▨	CONCRETE PAVER SURFACE

**VICINITY MAP**  
(NOT TO SCALE)



**LEGAL DESCRIPTIONS PER TITLE REPORT ORD-692326-G8W8Y9**

Tract W-D of the Summary Plat (Formerly Lots 6 thru 15 in Block 3, vacated portion of Alley and of Highland Avenue and portion of Lots 1 and 2 in Block 4), UNIVERSITY HEIGHTS ADDITION, Albuquerque, New Mexico, as the same is shown and designated on the recorded plat of said addition, filed in the office of the County Clerk of Bernalillo County, New Mexico, on May 23, 1978.

**LEGAL DESCRIPTIONS PER TITLE REPORT ORD-692327-Y5Q4X7**

The Easterly Eight (8) feet of vacated alley adjacent to Lot 16, Block 3, UNIVERSITY HEIGHTS ADDITION, as the same is shown and designated on the Map of said Addition, filed in the office of the County Clerk of Bernalillo County, New Mexico on February 7, 1916. Said alley vacated by Environmental Planning Commission Land Controls Board Resolution V-77-30, filed for record with the County Clerk of Bernalillo County, New Mexico on November 22, 1978 in Book Misc 652 page 829.

**ITEMS OF RECORD PER TITLE REPORT ORD-692326-G8W8Y9 AND ORD-692327-Y5Q4X7**

- Grant of Easement 06/15/1983 Document No. 83 38655 (SHOWN ON SURVEY)
- Grant of Easement 06/15/1983 Document No. 83 38656 (SHOWN ON SURVEY)
- Grant of Easement 07/23/1985 Document No. 83 50403 (SHOWN ON SURVEY)

**SURVEYOR'S NOTES**

- This survey was prepared using First Corporate Solutions, Title Report Number ORD-692326-G8W8Y9 and ORD-692327-Y5Q4X7 having an effective date of November 18, 2021.
- The underground utilities shown have been located from field survey information provided by MT Private Utility Locating Services, LLC on 11/24/2021. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.
- Subject property appears to be classified as (Zone X and AO), when scaled from Flood Insurance Rate Map Community- Panel Number 3500TC03534-Dated 8/16/2012
- The subject property is zoned (MX-L Mixed Use Low Intensity). No zoning information was provided by the client. For zoning code, contact the City of Albuquerque, NM Planning and Zoning Department.
- Elevations are based on NAVD83 Datum. Benchmark: (3" Rebar), as shown hereon. Elevation: 5166.55
- This is a topographic survey. This is not a boundary survey and is only intended to depict those features or improvements shown. The property lines shown are approximate record lines only and are shown for graphical reference only per Warranty Deed 79 30635. The right of way of Yale Boulevard is shown per the plat of University Heights Addition.
- Bearings shown are based upon NAD83 New Mexico State Planes, Central Zone, US Foot.

**SURVEYOR'S STATEMENT**

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed LAND SURVEYOR under the laws of the State of New Mexico.

*Nathan Carlson*  
 NATHAN CARLSON, LS DATE 12/14/2021  
 NM LICENSE NO. 18330, EXPIRATION 12/31/2022



DESIGNED: \_\_\_\_\_

CHECKED: MIW

DRAWN: ACW

HORIZONTAL SCALE: 20'

REVISIONS:


PREPARED FOR:

**Electrify America, LLC**

2003 Edmund Halley Drive  
Reston, VA 20191

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
 Fax (952) 937-5822 Minneapolis, MN 55343  
 Toll Free (888) 937-5150 westwoodps.com  
 Westwood Professional Services, Inc.

**SITE 240036**  
**SMITHS 443**  
 320 YALE BLVD SE  
 ALBUQUERQUE, NM

Topographic Survey

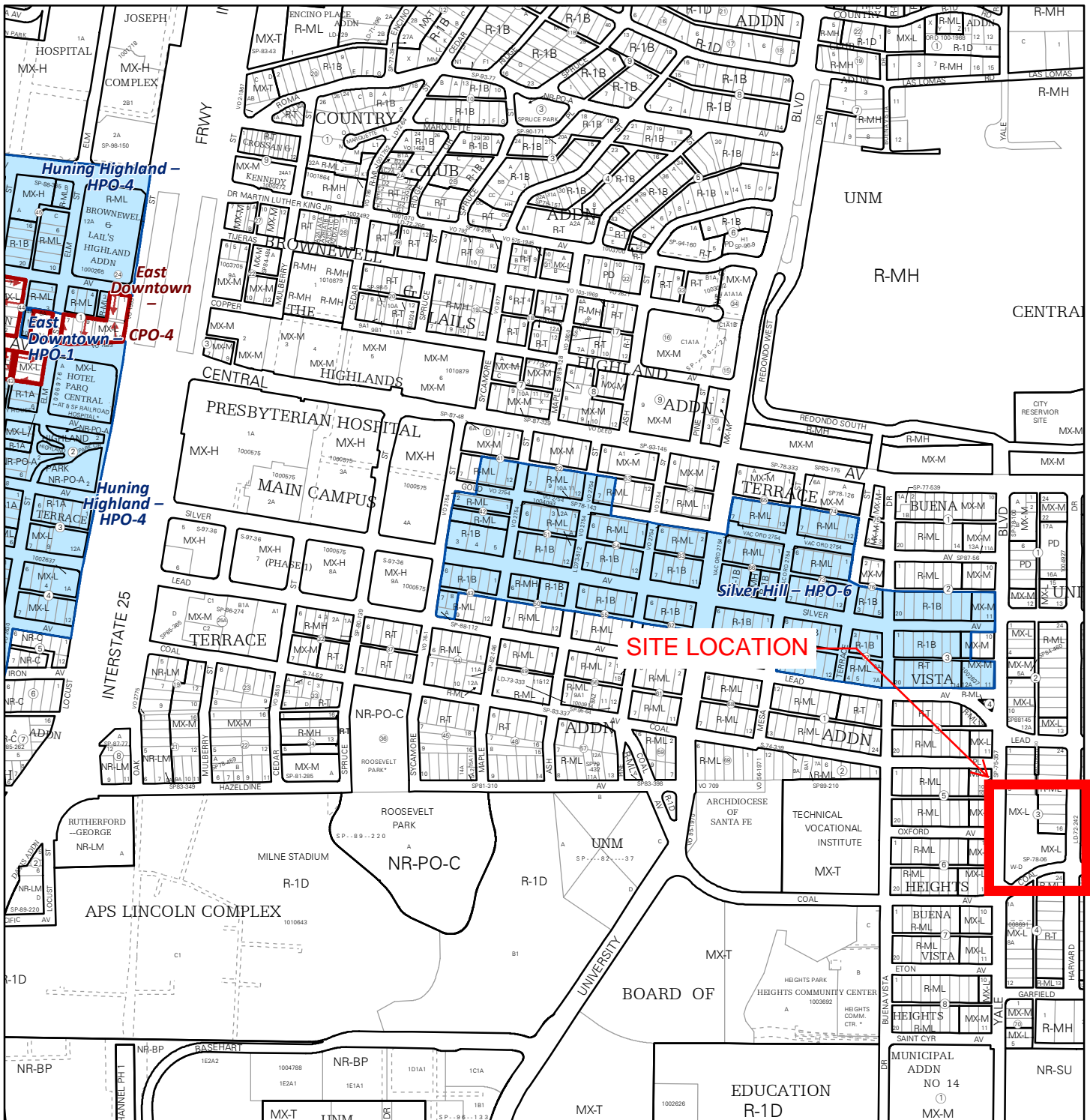
A PORTION OF TRACT W-D OF THE SUMMARY PLAT,  
UNIVERSITY HEIGHTS ADDITION,  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NM

PROJECT NUMBER: 0034170.AX

SHEET NUMBER:  
**1** OF **1**

DATE: 12/14/2021





For more details about the Integrated Development Ordinance visit: <http://www.cabq.gov/planning/codes-policies-regulations/integrated-development-ordinance>

## IDO Zone Atlas May 2018

IDO Zoning information as of May 17, 2018  
The Zone Districts and Overlay Zones  
are established by the  
Integrated Development Ordinance (IDO).

Zone Atlas Page:  
**K-15-Z**

- Easement
- Escarpment
- Petroglyph National Monument
- Areas Outside of City Limits
- Airport Protection Overlay (APO) Zone
- Character Protection Overlay (CPO) Zone
- Historic Protection Overlay (HPO) Zone
- View Protection Overlay (VPO) Zone

Gray Shading  
Represents Area Outside  
of the City Limits

0 250 500 1,000  
Feet