

**Date:** 12/4/2020  
**Project:** University of New Mexico Hospitals - New Hospital Tower  
 2211 Lomas Blvd NE  
 Albuquerque, NM 87106

**Bid Package:** Phase I - Make Ready  
**ASI #:** 07

**To:** **AECOM Hunt**  
 Attn. Marc Peck  
 2120 S. Braeswood Blvd  
 Houston, TX 77030

The Contract Documents for the above referenced Project are requested be modified as set forth in this ASI. The original Contract Documents and any previously issued addenda remain in full force and effect, except as modified herein. **It shall be noted that only changes within clouded areas or areas otherwise specifically noted as a change shall be considered part of this ASI. Design deviations from previously officially issued documents outside the marked areas may reflect studies or not-approved change(s) in progress, and shall be ignored. Confirmation shall be requested from the design via the RFI process if uncertainty arises. The design team shall not be held liable for work executed by the contractor that has not officially been approved by the Owner.** If modifications outlined in this ASI do not impact the Project's Cost of the Work or the Contractor's Construction Schedule, this ASI shall be made part of the Contract Documents. If a change in Construction Cost, Contract Sum, and/or Contract Time is warranted, the Contractor shall submit written notice in form of a Change Proposal (CP) containing detailed information within (14) days substantiating such claim to the A/E. The claim shall be made in accordance with the provisions of the Contract Documents, and the Contractor shall submit an itemized cost breakdown showing time, material and other items affected by the change. Upon acceptance of respective CP, a Change Order shall be prepared for signatures to affect a change to the contract. The Owner's authorization is required prior to proceeding with any Work which will incur additional cost and/or time.

No	Doc Ref	Revision description
<b>CIVIL</b>		
1	CU102	Updated keyed note #4 to better define water meter type and data/power connection to C.U.P.
<b>Electrical</b>		
1	ESD100.MR	Update Make Ready site work to include updates to existing site lighting and circuiting and to coordinate demolition with field verification by Electrical contractor. Note clouded changes and Keyed Note changes.
2	ES100.MR	Update new and temporary site lighting North of Camino de Salud to match what was found in the field. See updated and additional Keyed Notes as well as changes to details to match previous RFI #52, #62, & #69 responses.
		Note new emergency ductbank as requested by UNMH for possible future connection between the CUP generators and Novitski. Keyed Notes #S24 and #S25 address this.
3	ES500.MR	NEW SHEET. Miscellaneous site details added. Pole base detail and site pull box detail added from previous UNM site projects for clarification.

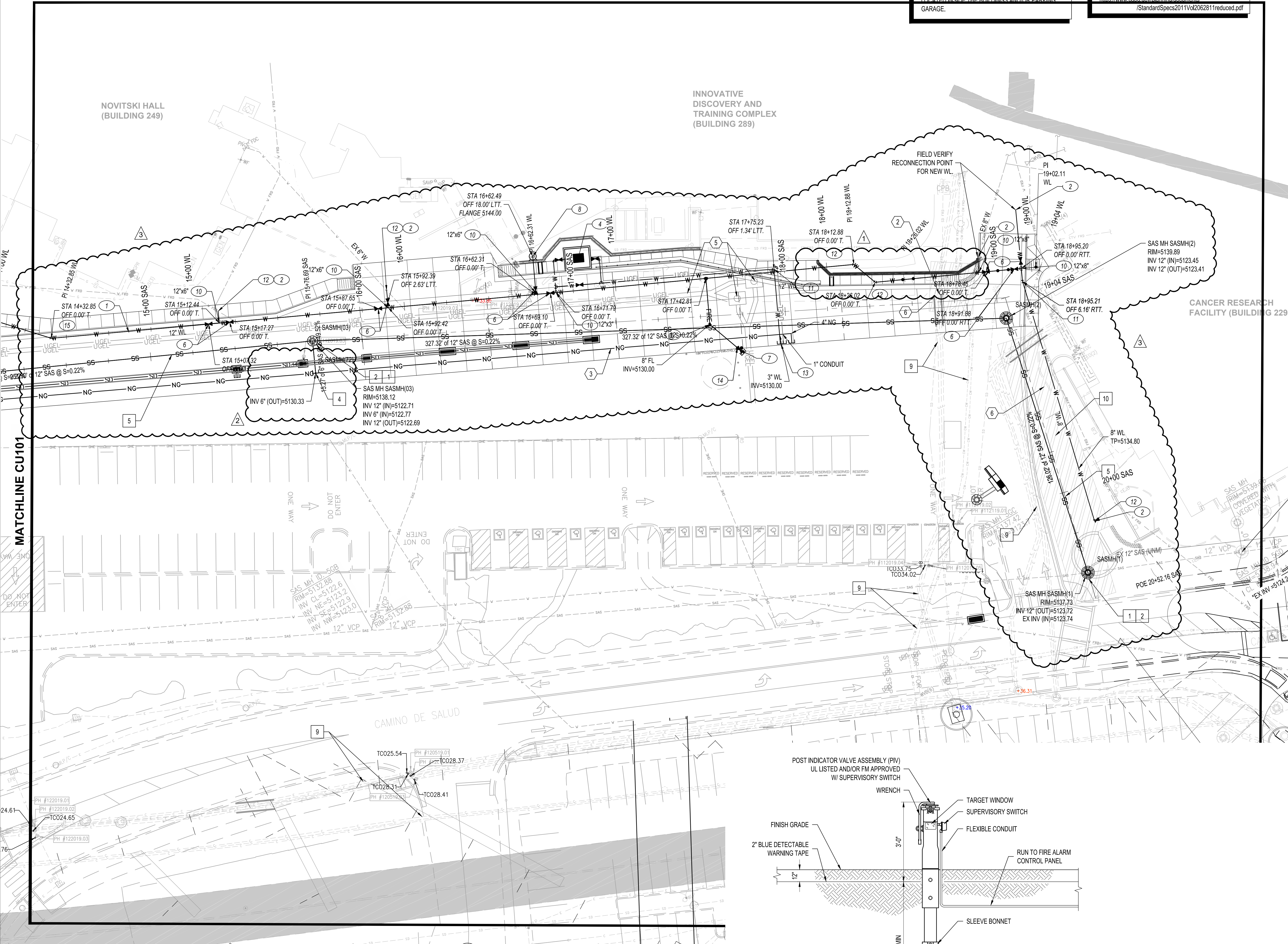
**HDR Architecture, Inc.**

Cc: Design Team  
 File



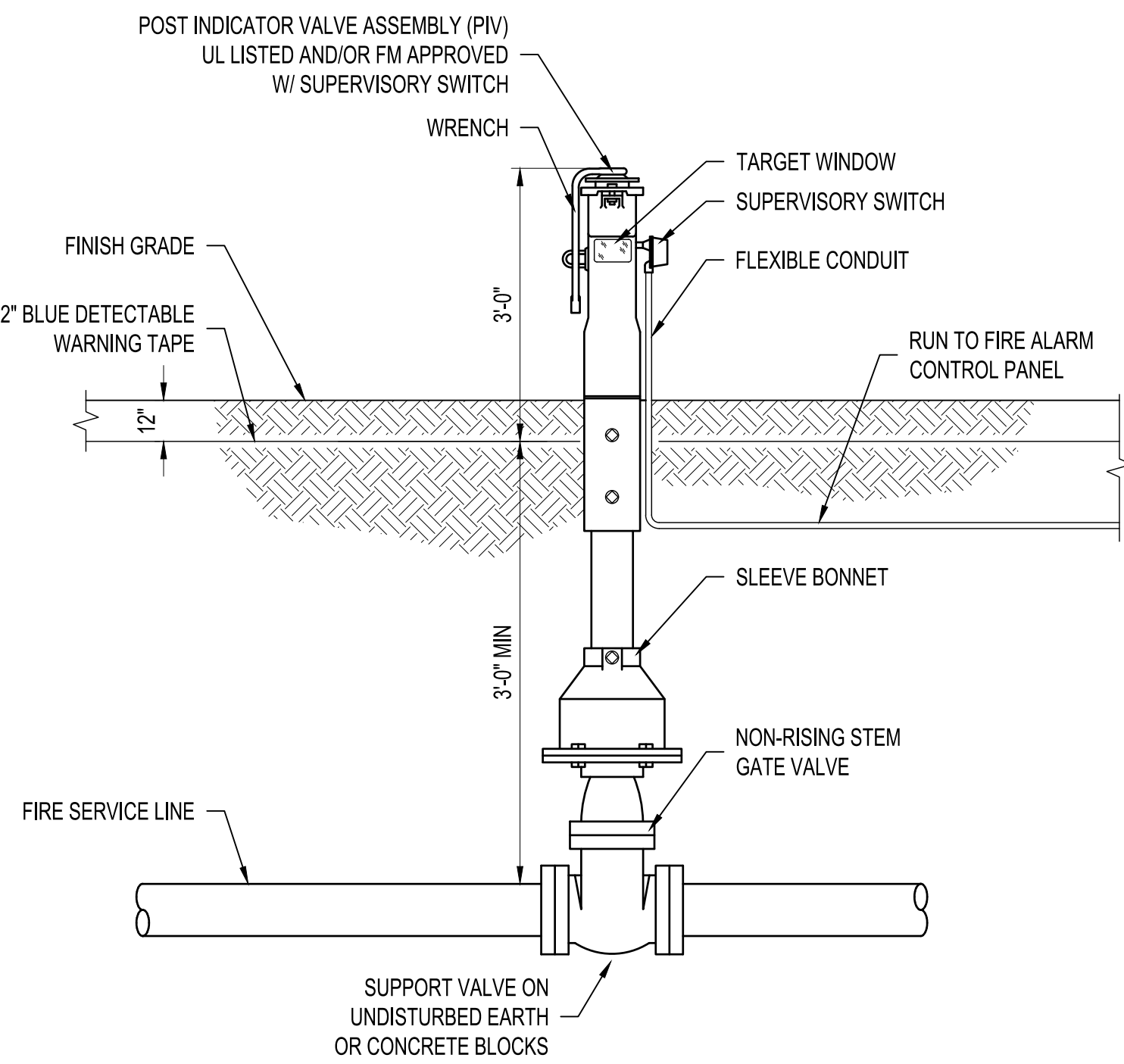
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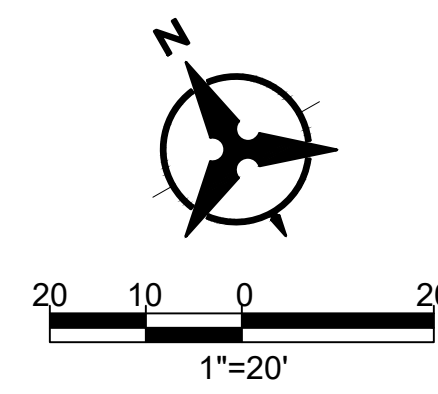


3A

### POST INDICATOR VALVE



NTS



### WATERLINE KEYED NOTES

1. INSTALL WATERLINE PER PLAN.
2. CONNECT TO EXISTING WATERLINE PRIOR TO CONSTRUCTION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POTHOLE TO FIELD VERIFY SIZE AND LOCATION OF EXISTING WATERLINE.
3. INSTALL FIRE LINE PER PLAN.
4. INSTALL 3" WATER METER VAULT PER COA STD DWG 2370. INSTALL 3" METER (UNION F-1000 SERIES) AND CONTROLS CONNECTION (SEE COMMUNICATIONS SHEETS, PH II MH10 AND MH8, FOR FLOW DISPLAY AND REQUIRED APPURTENANCES) PER UMM DIRECTION.
5. INSTALL 8"x6" REDUCER W/ RESTRAINED JOINTS
6. INSTALL GATE VALVE WITH BOX AND LID PER COA STD DWG 2326.
7. INSTALL POST INDICATOR VALVE PER DETAIL 3A, SHEET CU102
8. INSTALL FIRE HYDRANT PER COA STD DWG 2340.
9. INSTALL REMOTE FIRE DEPARTMENT CONNECTION TO WITHIN 5' OF BUILDING; SEE PLUMBING PLANS FOR CONTINUATION.
10. INSTALL TEE W/ RESTRAINED JOINTS (SIZE PER PLAN).
11. INSTALL 11 1/2" BEND (SIZE PER PLAN) W/ RESTRAINED JOINTS.
12. INSTALL 45" BEND (SIZE PER PLAN) W/ RESTRAINED JOINTS.
13. INSTALL 3" DOMESTIC SERVICE LINE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
14. INSTALL FIRE LINE TO WITHIN 5' OF BUILDING (OR TO LOCATION SHOWN FOR FUTURE CONNECTION). SEE PLUMBING PLANS FOR CONTINUATION.
15. INSTALL 22.5" BEND (SIZE PER PLAN) W/ RESTRAINED JOINTS.
16. INSTALL 90" BEND (SIZE PER PLAN) W/ RESTRAINED JOINTS.
17. EXISTING INFRASTRUCTURE. PROTECT IN PLACE.
18. REMOVE AND REPLACE EXISTING ASPHALT, SIDEWALK, CURB & GUTTER IN KIND.

### SANITARY SEWER KEYED NOTES

1. CONNECT TO EXISTING SANITARY SEWER LINE.
2. INSTALL NEW TYPE "E" SANITARY SEWER MANHOLE PER COA STD DWG 2102.
3. INSTALL SANITARY SEWER CLEANOUT.
4. CONNECT TO SANITARY SEWER SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
5. INSTALL SANITARY SEWER LINE PER PLAN.
6. CONNECT TO EXISTING SANITARY SEWER MANHOLE.
7. INSTALL CAP FOR FUTURE CONNECTION.
8. EXISTING TRANSMISSION LINE. COORDINATE WITH ABCVUA PRIOR TO CONSTRUCTION.
9. GREASE TRAP; SEE PLUMBING PLANS FOR DETAILS.
10. SAWCUT, REMOVE, & REPLACE EXISTING PAVEMENT, C&G, & SIDEWALK (IN KIND).
11. INSTALL DROP MANHOLE PER COA STD DWG 2116

### OTHER KEYED NOTES

1. COMMUNICATION DUCT BANK TO REMAIN; PROTECT IN PLACE. CONCRETE SLURRY BACKFILL SHALL BE USED TO PROTECT THE EXISTING DUCT BANK.
2. LOCATE THE FULL EXTENT OF THE DUCT BANK PRIOR TO ROUTING SANITARY SEWER AND STORM DRAIN LINE BELOW DUCT.
3. NATURAL GAS LINE SHOWN FOR INFORMATION ONLY; TO BE INSTALLED BY OTHERS.
4. COMMUNICATIONS DUCT BANK SHOWN FOR INFORMATION ONLY; SEE COMMUNICATION PLANS FOR DETAILS.
5. ELECTRIC SHOWN FOR INFORMATION ONLY; SEE ELECTRICAL PLANS FOR DETAILS.
6. SLURRY BACKFILL AROUND CRITICAL INFRASTRUCTURE.
7. EXISTING UTILITY; PROTECT IN PLACE.

### LEGEND

---	LIMITS OF WORK
---	EXISTING STORM DRAIN LINE
---	EXISTING SANITARY SEWER LINE
---	EXISTING WATER LINE
-CW- -CW-	EXISTING CHILLED WATER LINE
-E- -E-	EXISTING UNDERGROUND ELECTRICAL LINE
-G- -G-	EXISTING UNDERGROUND GAS LINE
-SD-	PROPOSED STORM DRAIN LINE
-SS-	PROPOSED SANITARY SEWER LINE
-W-	PROPOSED WATER LINE
-FIRE-	PROPOSED FIRE LINE
-NG-	PROPOSED NATURAL GAS LINE
---	EXISTING UTILITY TUNNEL
⊗	EXISTING SANITARY SEWER MANHOLE
⊗	EXISTING SANITARY SEWER CLEANOUT
⊗	EXISTING VALVE
⊗	EXISTING WATER METER
⊗	EXISTING FIRE HYDRANT
⊗	PROPOSED SANITARY SEWER MANHOLE
⊗	PROPOSED SANITARY SEWER CLEANOUT
⊗	PROPOSED HYDRANT
⊗	PROPOSED FIRE DEPARTMENT CONNECTION (FDC)



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UNIVERSITY OF NEW MEXICO HOSPITALS  
New Hospital Tower  
PHASE I - MAKE READY 100% CD  
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Albuquerque, NM 87131



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Project Designer	AARON HARCBE (HDR)
Project Architect	RAPHAEL CHAVEZ (HDR)
Landscape Architect	ANTHONY MAZZEO (HDR)
Civil Engineer	JEFF MULBERRY (BOHANNAN HUSTON)
Structural Engineer	GEORGE BRADLEY (CHAVEZ GRIEVES)
Mechanical Engineer	MATTHEW PALAZZETTI (HDR)
Electrical Engineer	SCOTT KLAWITTER (HDR)
Plumbing Engineer	JOSEPH MESSINA (HDR)
Interior Designer	CHERIE DICE (HDR)
Equipment Planner	KEVIN KLASIC (SHEN MILSON & WILKE)
Wayfinding	CHRIS BAUER (FOCUS EDG)

Sheet Reviewer: Author

1	05/29/2020	Addendum #1
2	07/30/2020	ASI #1
3	08/02/2020	REFs #10, #14, #16
4	12/04/2020	ASI #7

Project Number 10168896  
Original Issue 02/28/20



Sheet Name  
**UTILITY PLAN - EAST**

Sheet Number  
**CU102**  
Project Status  
PHASE I - MAKE READY -100% CD

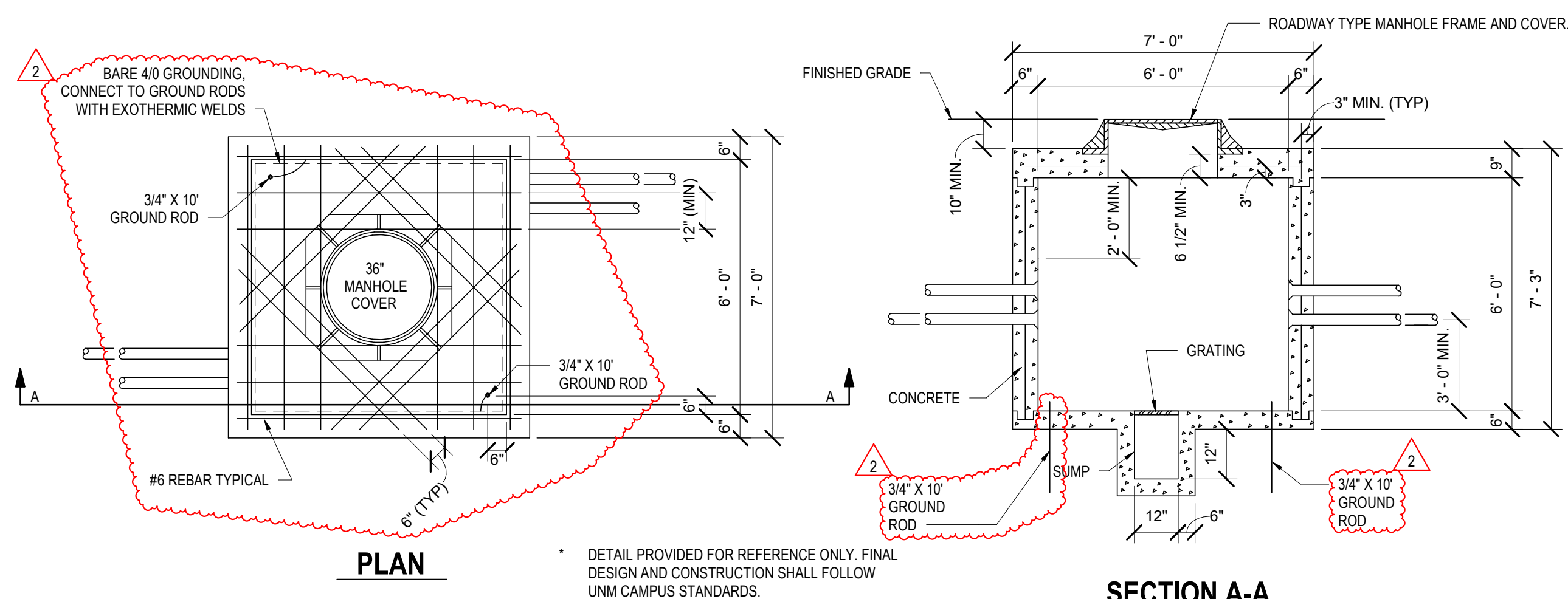






**B5 MAKE READY - ELECTRICAL SITE PLAN**

1" = 60'-0"



**A5 MANHOLE DETAIL**

NO SCALE

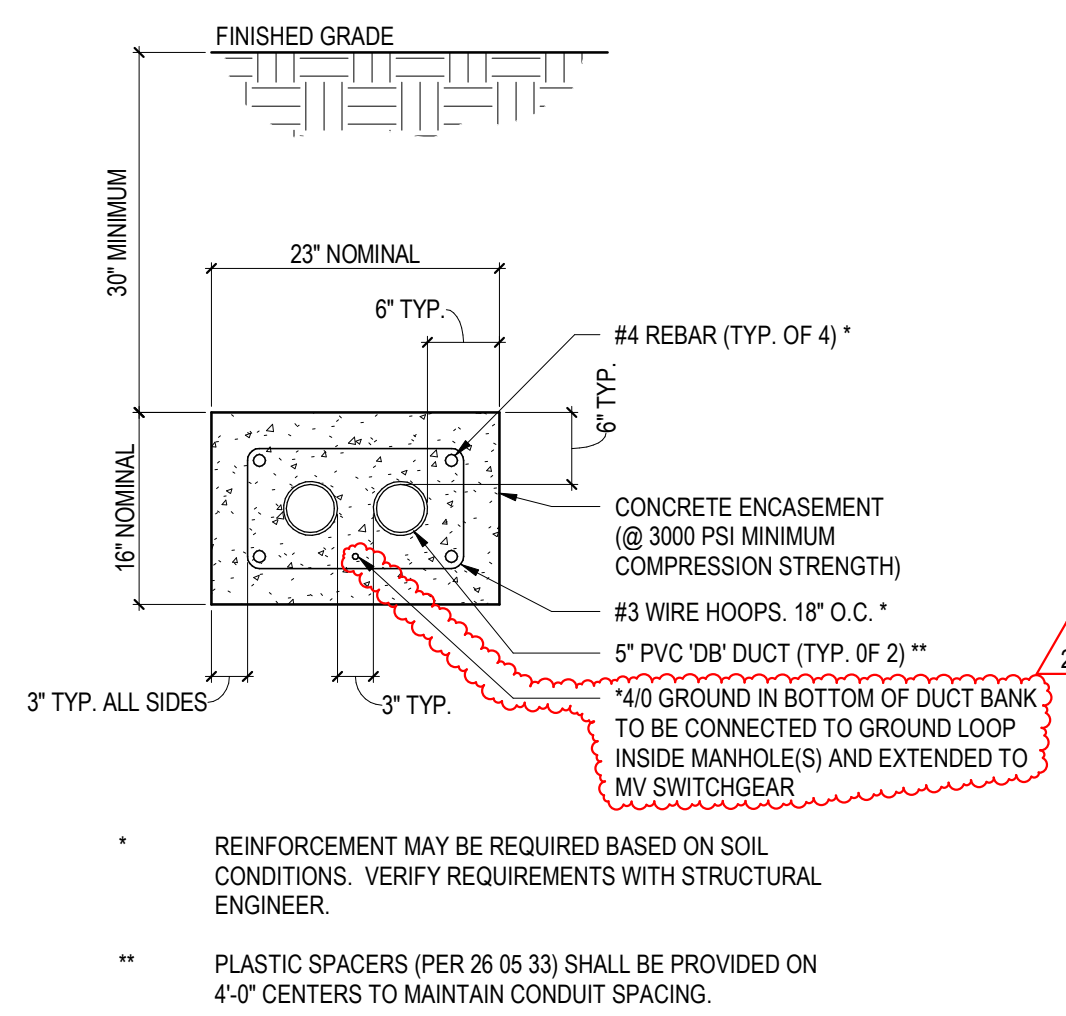
**PLAN**

\* DETAIL PROVIDED FOR REFERENCE ONLY. FINAL DESIGN AND CONSTRUCTION SHALL FOLLOW UNMH CAMPUS STANDARDS.

**SECTION A-A**

**A4 2-WAY CONCRETE-ENCASED DUCTBANK SECTION**

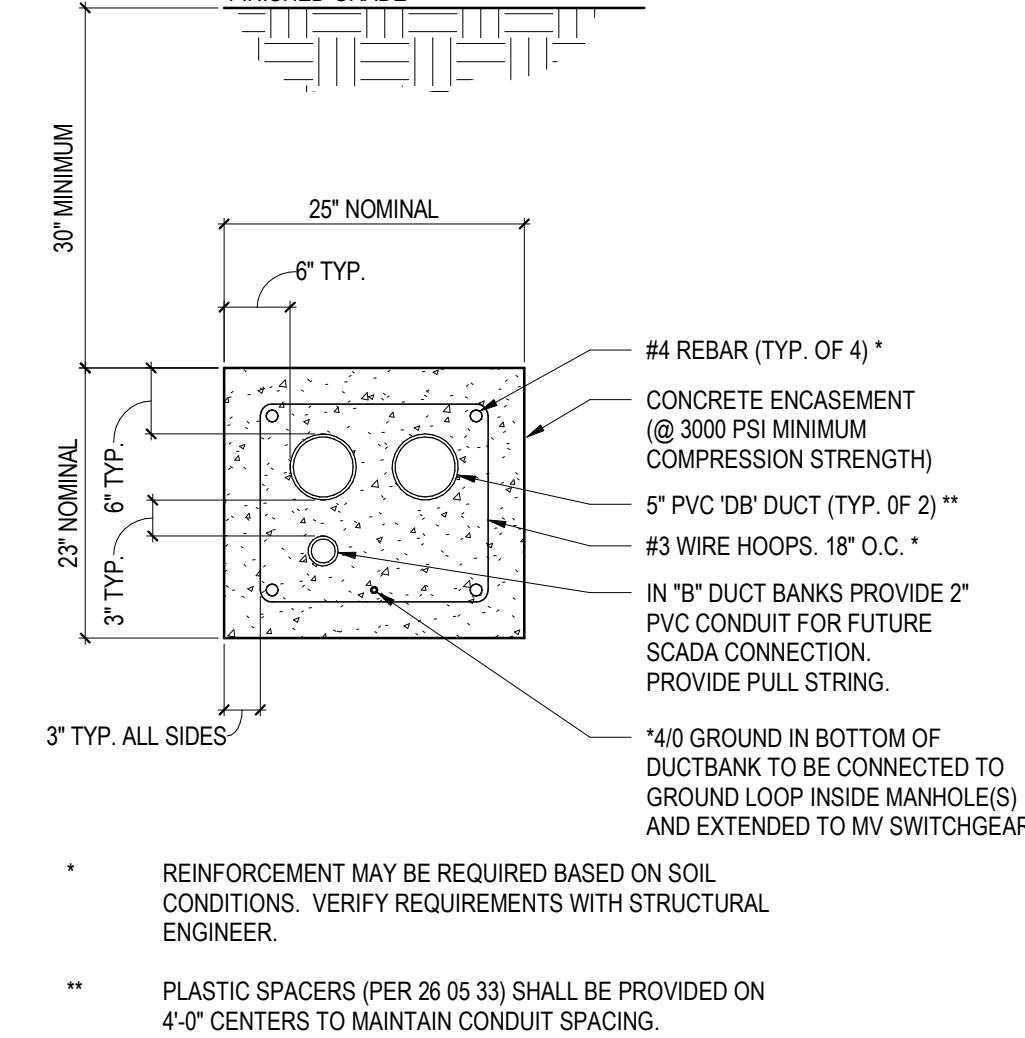
NO SCALE



\* REINFORCEMENT MAY BE REQUIRED BASED ON SOIL CONDITIONS. VERIFY REQUIREMENTS WITH STRUCTURAL ENGINEER.  
\*\* PLASTIC SPACERS (PER 26 05 33) SHALL BE PROVIDED ON 4'-0" CENTERS TO MAINTAIN CONDUIT SPACING.

**A2 3-WAY CONCRETE-ENCASED DUCTBANK SECTION**

NO SCALE



\* REINFORCEMENT MAY BE REQUIRED BASED ON SOIL CONDITIONS. VERIFY REQUIREMENTS WITH STRUCTURAL ENGINEER.  
\*\* PLASTIC SPACERS (PER 26 05 33) SHALL BE PROVIDED ON 4'-0" CENTERS TO MAINTAIN CONDUIT SPACING.

**SITE GENERAL NOTES**

- ALL NEW SITE WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR'S PHASING PLAN, UNMH, AND UNMH.
- ALL NEW WORK IN AND AROUND THE EXISTING UNMH MANHOLES MUST BE COORDINATED WITH UNMH FACILITIES. A DETAILED PLAN FOR WORK AND OUTAGES MUST BE CAREFULLY COORDINATED WITH UNMH AS NO WORK SHALL HAPPEN IN OR NEAR AN ENERGIZED MANHOLE.
- EXISTING DUCTBANKS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING MEDIUM VOLTAGE DUCTBANKS AND UNDERGROUND CONDUITS IN AREAS OF WORK EXISTING TO REMAIN MEDIUM VOLTAGE DUCTBANKS SHALL BE IDENTIFIED, MARKED, AND PROTECTED DURING DEMOLITION AND EXCAVATION. PROVIDE REQUIRED PROTECTION AND SHORING TO ALLOW FOR OVER EXCAVATION WHERE NEEDED.
- COORDINATE ALL NEW WORK WITH ALL EXISTING AND PROPOSED NEW UTILITY WORK BY OTHER TRADES AND UNMH.
- COORDINATE NEW COMMUNICATIONS DUCTBANK REQUIREMENTS AND INSTALLATION WITH TECHNOLOGY DRAWINGS. VERIFY SCOPE SPLIT WITH GENERAL CONTRACTOR AND TECHNOLOGY CONTRACTOR. NEW DUCTBANK INSTALLATION MAY NEED TO BE DONE BY ELECTRICAL CONTRACTOR. SEE TECHNOLOGY DRAWINGS.
- NEW SITE LIGHTING AND MISCELLANEOUS SITE POWER SHALL BE SHOWN AND PROVIDED AS PART OF PHASE III WORK.

**KEYNOTES - SHEET**

- EXISTING UNMH MANHOLES #40 (CIRCUIT N7B) AND #41 (CIRCUIT N7A) TO BE USED IN NEW WORK TO FEED THE PARKING GARAGE AND CENTRAL UTILITY PLANT. ANY AND ALL NEW WORK IN OR AROUND THESE MANHOLES MUST BE COORDINATED WITH UNMH FACILITIES AND A DETAILED SEQUENCE FOR ANY DOWNTIME OR SHIFTING OF 12.47KV FEEDERS MUST BE PROVIDED AND COORDINATED WITH UNMH.
- PROVIDE TWO - 5' (ONE ACTIVE AND ONE SPARE) CONCRETE ENCASED, PVC CONDUITS FROM EACH MANHOLE PER UNMH STANDARDS. DUCTBANK FROM 15' MANHOLE SHALL ALSO HAVE A 2' CONDUIT FOR FUTURE SCADA. TRANSITION TO A COMBINED DUCTBANK AND EXTEND TO THE EDGE OF THE PARKING GARAGE. CONDUITS/DUCTBANK TO BE INTERCEPTED AND EXTENDED TO NEW 15KV METAL CLAD SWITCHGEAR (TO BE PROVIDED IN PHASE II OF THE PROJECT). NEW 500MCM, MV CONDUCTORS PER UNMH STANDARDS FROM EACH MANHOLE TO THE NEW SWITCHGEAR WILL BE PROVIDED IN FUTURE PHASE II. COORDINATE DUCT BANK ROUTING AND DEPTH WITH NEW SITE WORK AND UNMH UTILITIES AND CONSTRUCTION OF THE PARKING GARAGE/CLIP.
- PROPOSED ROUTING OF 12.47KV DUCTBANKS FOR THE CUP AND PARKING GARAGE. ROUTING AND INSTALLATION SHALL BE COORDINATED WITH OTHER UTILITIES AND CONSTRUCTION OF THE PARKING GARAGE/CLIP.
- PROVIDE NEW MANHOLES PER UNMH CAMPUS STANDARDS. COORDINATE WITH UNDERGROUND UTILITIES, THE NEW ROADWAY CONSTRUCTION & ELEVATION, AND DUCTBANKS. INSTALL PER UNMH STANDARDS. MANHOLE #79 CONNECT TO EXISTING MANHOLE #41 SHALL BE FOR CIRCUIT N7A AND #80 CONNECT TO EXISTING MANHOLE #40 SHALL BE FOR CIRCUIT N7B.
- PULL TANKS ARE ONLY BEING ORDERED IN THIS PHASE. INSTALLATION AND CONNECTION WILL BE SHOWN IN PHASE II WITH THE CUP AND PARKING GARAGE.
- PROVIDE NEW HANDHOLE TO MATCH EXISTING BLUE PHONE CIRCUITING. COORDINATE LOCATION WITH LOW VOLTAGE PLANS AND SITE WORK IN THIS AREA. NEW HANDHOLE SHALL MATCH EXISTING SIZE AND STYLE.
- NEW BLUE PHONE LOCATION PROPOSED BY UNMH IT. PROVIDE 1" PVC AND WIRING FROM NEW HANDHOLE TO THE NEW POLE. NEW BLUE PHONE PROVIDED BY UNMH IT VIA VERIZON. COORDINATE POLE BASE AND ALL CONDUIT AND WIRING WITH NEW BLUE PHONE AND LOW VOLTAGE DRAWINGS.
- INTERCEPT AND EXTEND EXISTING CODE BLUE PHONE POWER CONDUIT TO THE NEW HANDHOLE LOCATION. CONDUIT SHALL MATCH EXISTING AND ROUTING SHALL BE COORDINATED WITH ASSOCIATED IT CONDUITS. RE-PULL POWER TO THE NEW HANDHOLE.
- PROVIDE MINIMUM 1" PVC FROM NEW HANDHOLE AND STUB INTO AREA SHOWN SO THAT IT CAN BE INTERCEPTED AND EXTENDED IN PHASE II TO RELOCATED BLUE PHONE LOCATION. COORDINATE WITH ALL CONDUIT ROUTING.
- ADD ALTERNATE TO PROVIDE CONCRETE ENCASED CONDUITS (ONE - 4" FOR POWER, ONE - 4" SPARE, AND ONE - 1-1/2" FOR ATS START SIGNAL) FOR FUTURE EMERGENCY GENERATOR CONNECTION FROM THE NEW CUP TO THE EXISTING NOVITSKI BUILDING. PROVIDE CONDUITS PER DUCTBANK DETAIL AND PULL STRINGS.
- ADD ALTERNATE TO PROVIDE A HANDHOLE/PULLBOX FOR FUTURE ACCESS TO EMERGENCY POWER CONDUITS. PROVIDE IN GRADE BETWEEN THE SIDEWALK AND THE EXISTING NOVITSKI GENERATOR LOCATION. PULLBOX SHALL MATCH EXISTING SITE PULLBOX REQUIREMENTS. SEE DETAIL C26500.MR.
- FIXTURE TO BE MOUNTED IN THE SIDEWALK. COORDINATE WITH GRADING AND RETAINING WALL. FIXTURE BASE SHALL BE SIMILAR TO DETAIL A26500.MR EXCEPT THE CONCRETE BASE SHALL BE FLUSH WITH THE FINISHED SIDEWALK.
- PROVIDE 2" CONDUIT STUBBED DOWN INTO THE PARKING LOT TO BE INTERCEPTED AND EXTENDED TO RELOCATED PHASE II LIGHT FIXTURES.
- CONTRACTOR TO PROVIDE A PORTABLE GENERATOR TO TEMPORARILY FEED ALL EXISTING TO REMAIN SITE LIGHTING UNTIL PHASE II SCOPE REMOVES THE REMAINING FIXTURES AND MANHOLES. COORDINATE WITH FIXTURES TO REMAIN AND UNMH.
- PROVIDE 2" PVC CONDUIT AND #2 AWG CONDUCTORS, TO MATCH EXISTING, TO TEMPORARILY MAINTAIN SITE LIGHTING TO THE REST OF THE SITE UNTIL PHASE II SCOPE REMOVES THE REMAINING FIXTURES.
- PROVIDE 2" PVC CONDUIT AND #2 AWG CONDUCTORS, TO MATCH EXISTING, TO FEED RELOCATED LIGHT FIXTURES AND/OR TO RECONNECT EXISTING TO REMAIN LIGHT FIXTURES AND HANDLES. INTERCEPT AND EXTEND EXISTING 2" CONDUITS WHERE APPLICABLE. CONDUCTORS THAT ARE NOT OF ADEQUATE LENGTH SHALL BE RE-PULLED FROM NEAREST LIGHT OR HANDHOLE. NO UNDERGROUND SPLICES ALLOWED.
- EXISTING TO REMAIN HANDHOLE FOR SITE LIGHTING TO REMAIN. HANDHOLE MAY NEED TO BE ADJUSTED OR RAISED SLIGHTLY TO MATCH NEW LANDSCAPING IN THIS AREA. COORDINATE WITH CIVIL GRADING AND FINAL LANDSCAPING PLANS FOR THIS AREA.
- PROVIDE HANDHOLE/PULLBOX FOR FUTURE USE. HANDHOLE/PULLBOX SHALL MATCH EXISTING. SEE DETAIL C26500.MR. CONNECT 2" PVC INTO NEARBY POLE BASE FOR FUTURE ACCESS.

**UNIVERSITY OF NEW MEXICO HOSPITALS**  
**New Hospital Tower**

**PHASE I - MAKE READY**  
**100% CD**

2211 LOMAS BLVD. NE  
ALBUQUERQUE, NM 87106



MARK	DATE	DESCRIPTION
1	10/28/2020	PHASE-1 ASI 005
2	12/04/2020	PH1-ASI #7

Project Number 10168896  
Original Issue 04/17/2020



Sheet Name

**ELECTRICAL SITE**  
**MAKE READY PLAN -**  
**NEW WORK**

Scale

As indicated

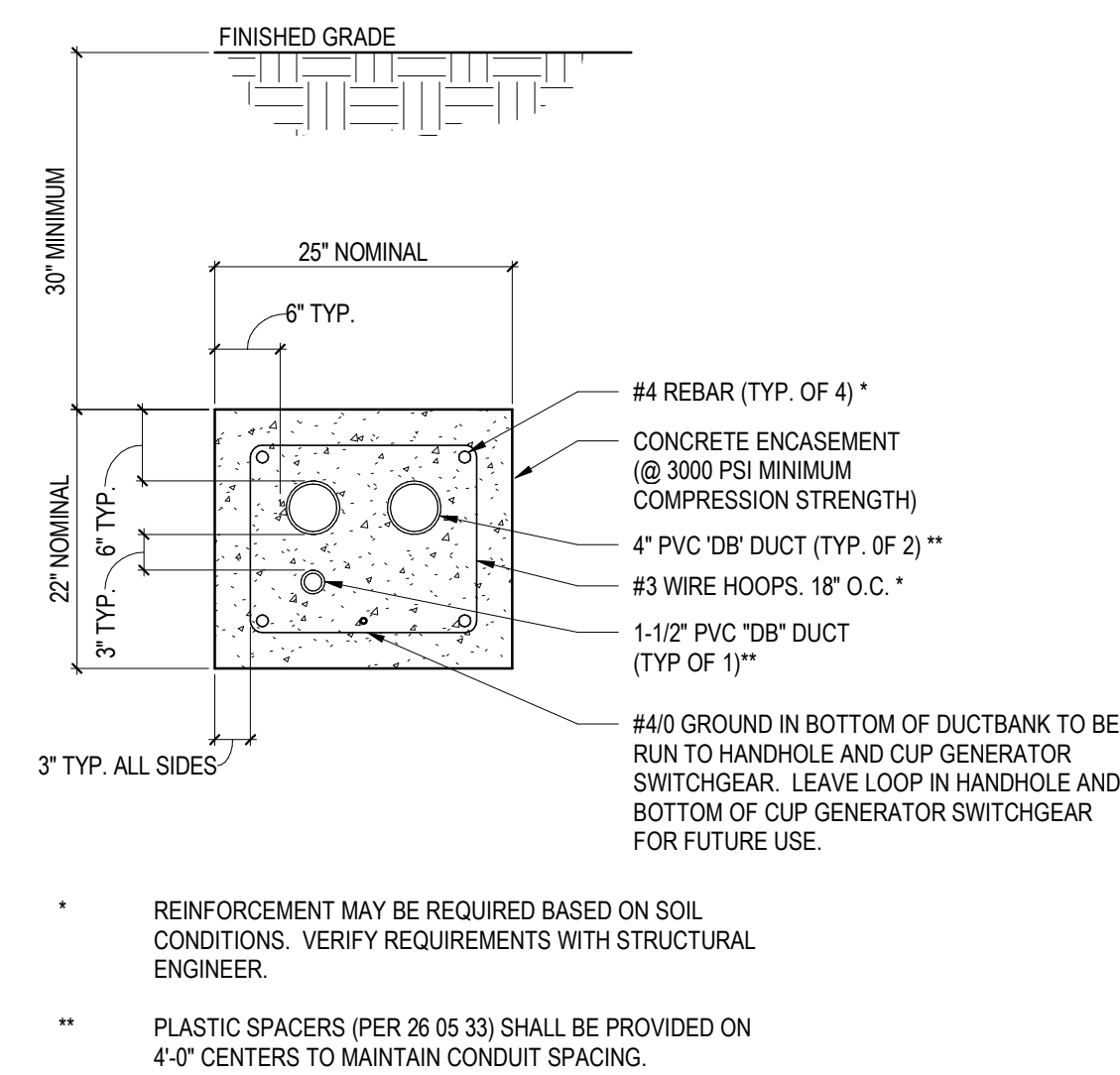
Sheet Number

**ES100.MR**

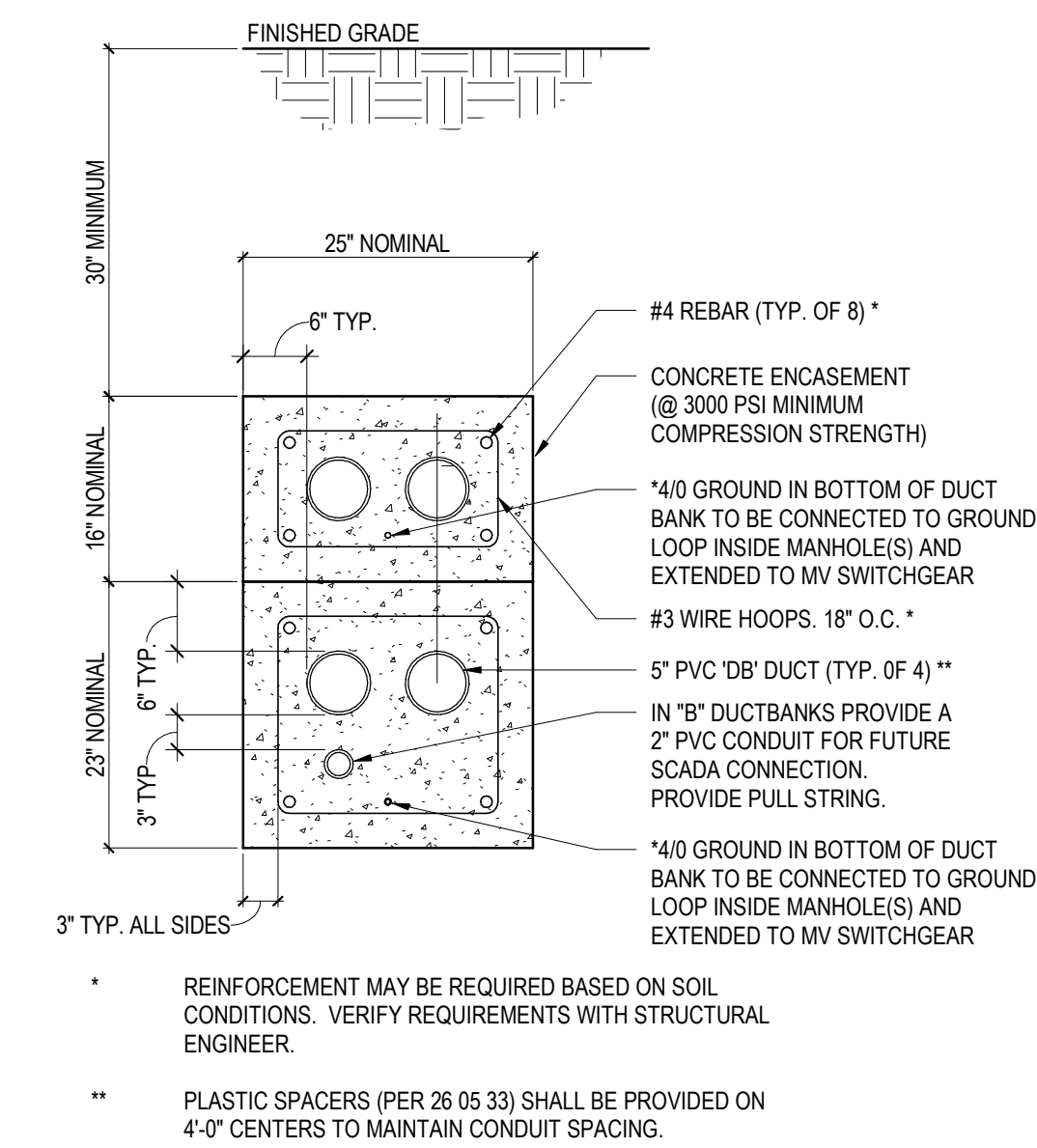
Project Status

PHASE I - MAKE READY - 100% CD

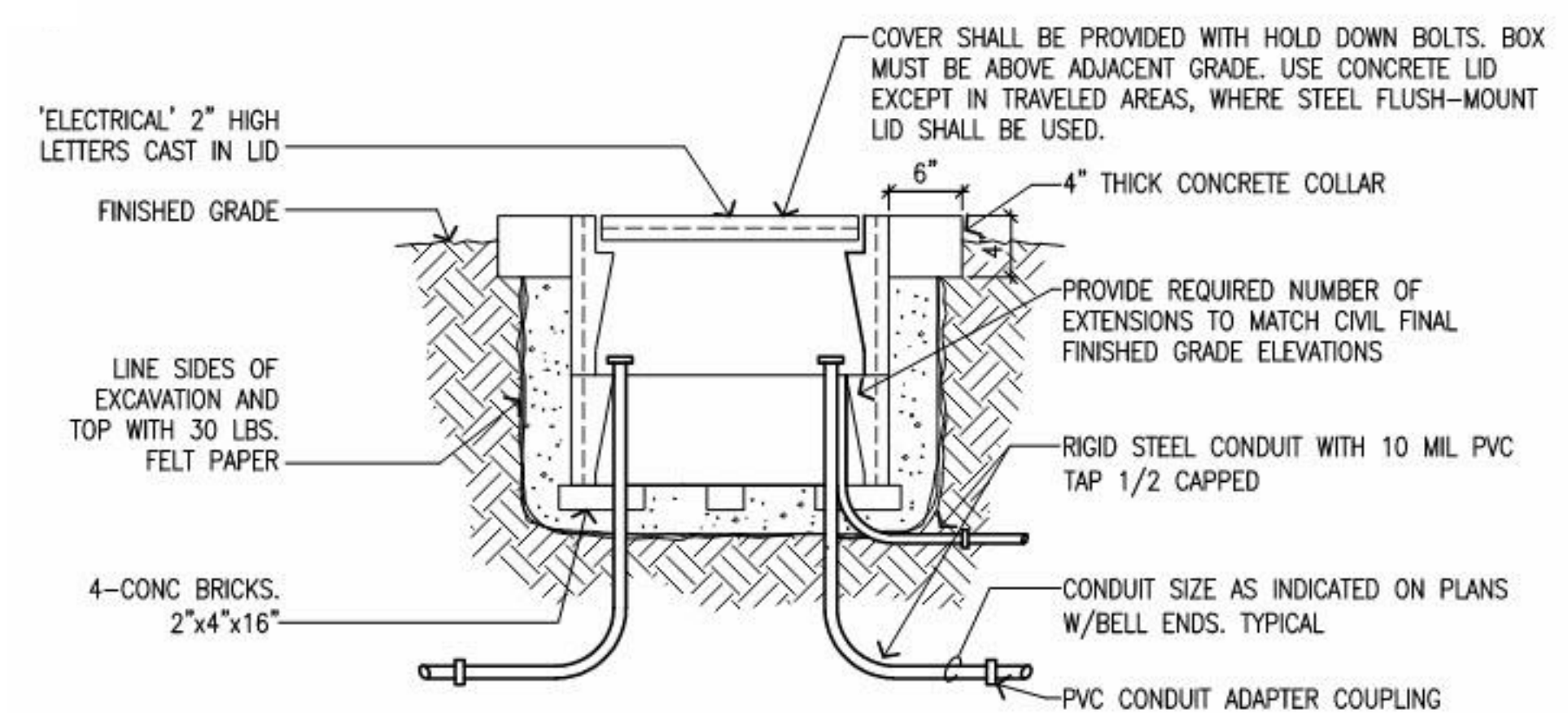




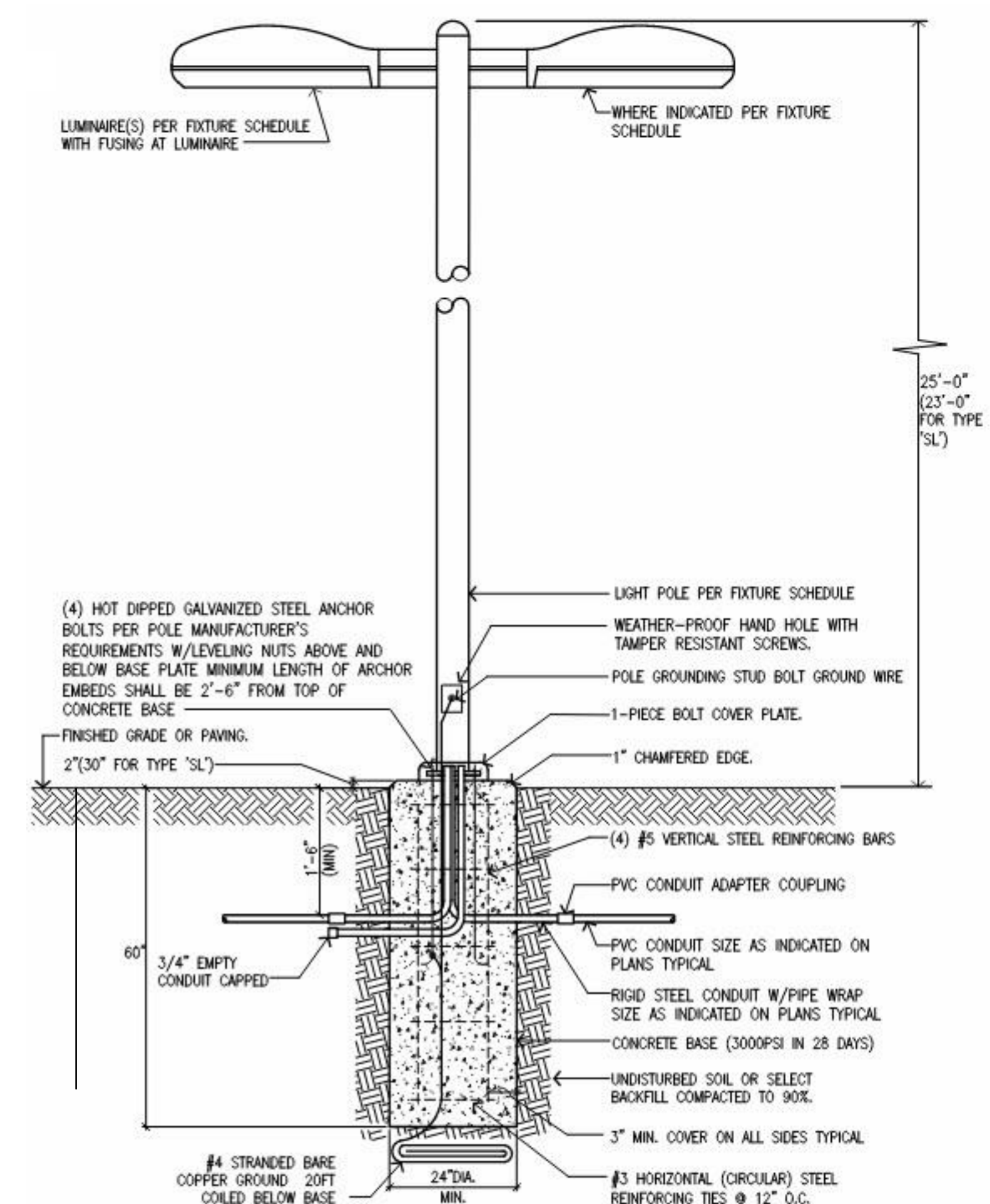
**D3** 3-WAY CONCRETE-ENCASED DUCTBANK SECTION  
NO SCALE



**D2 5-WAY CONCRETE-ENCASED DUCTBANK SECTION**  
NO SCALE



C2 UNDERGROUND ELECTRICAL PULLBOX DETAIL  
NO SCALE



**A2** TYPICAL POLE BASE DETAIL  
NO SCALE

\*POLE BASES THAT END UP IN PARKING LOTS SHALL EXTEND A MINIMUM OF 3'-0" ABOVE PARKING SURFACES.

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New Hospital Tower

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ALBUQUERQUE, NM 87106



## HOSPITALS

MARK	DATE	DESCRIPTION
1	12/04/2020	PH1-ASI #7

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Sheet Name

## ELECTRICAL SITE DETAILS - MAKE READY

scale

As indicated

Sheet Number

**ES500.MR**

### Project Status

PHASE I – MAKE READY – 100% CD