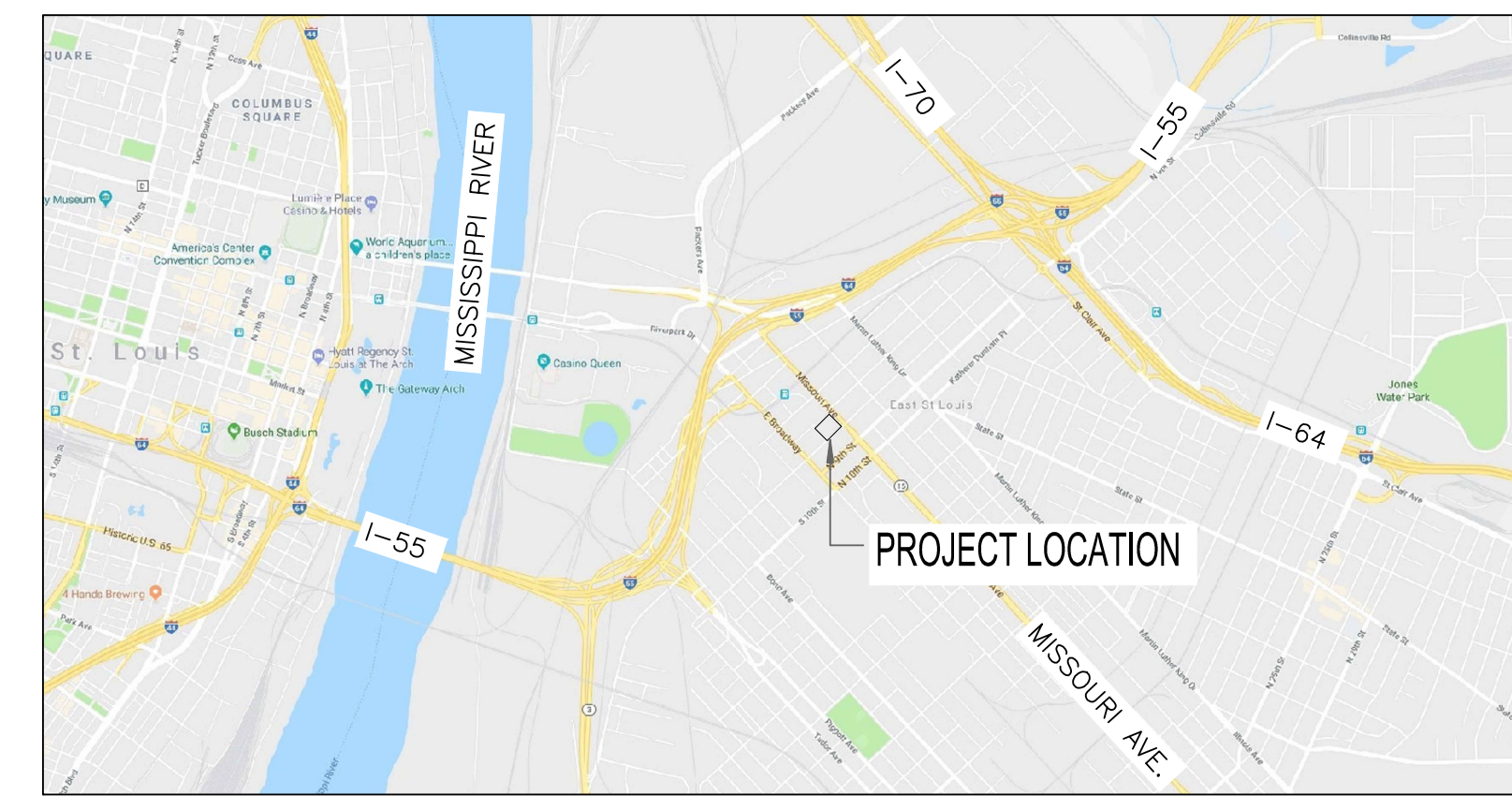


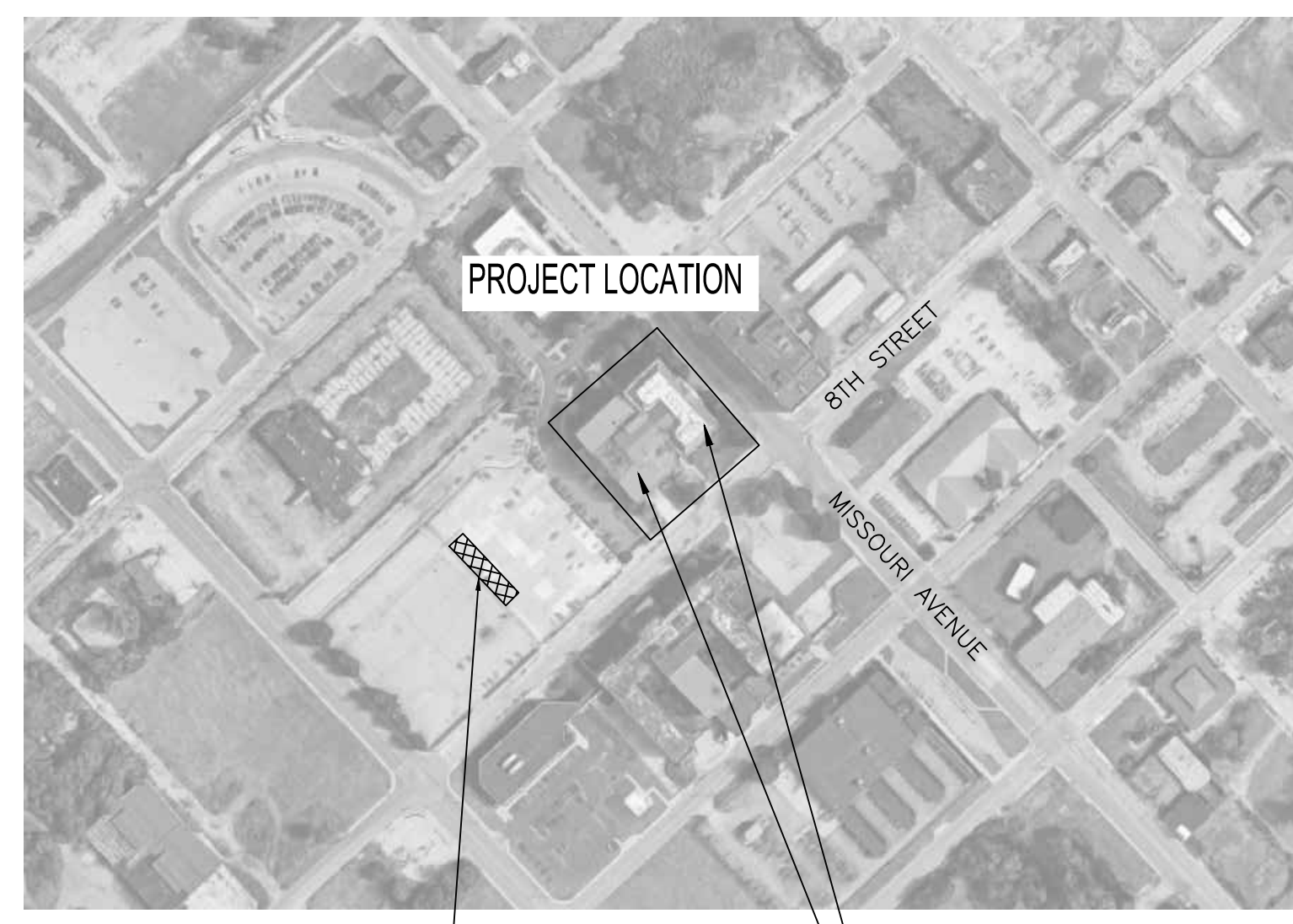
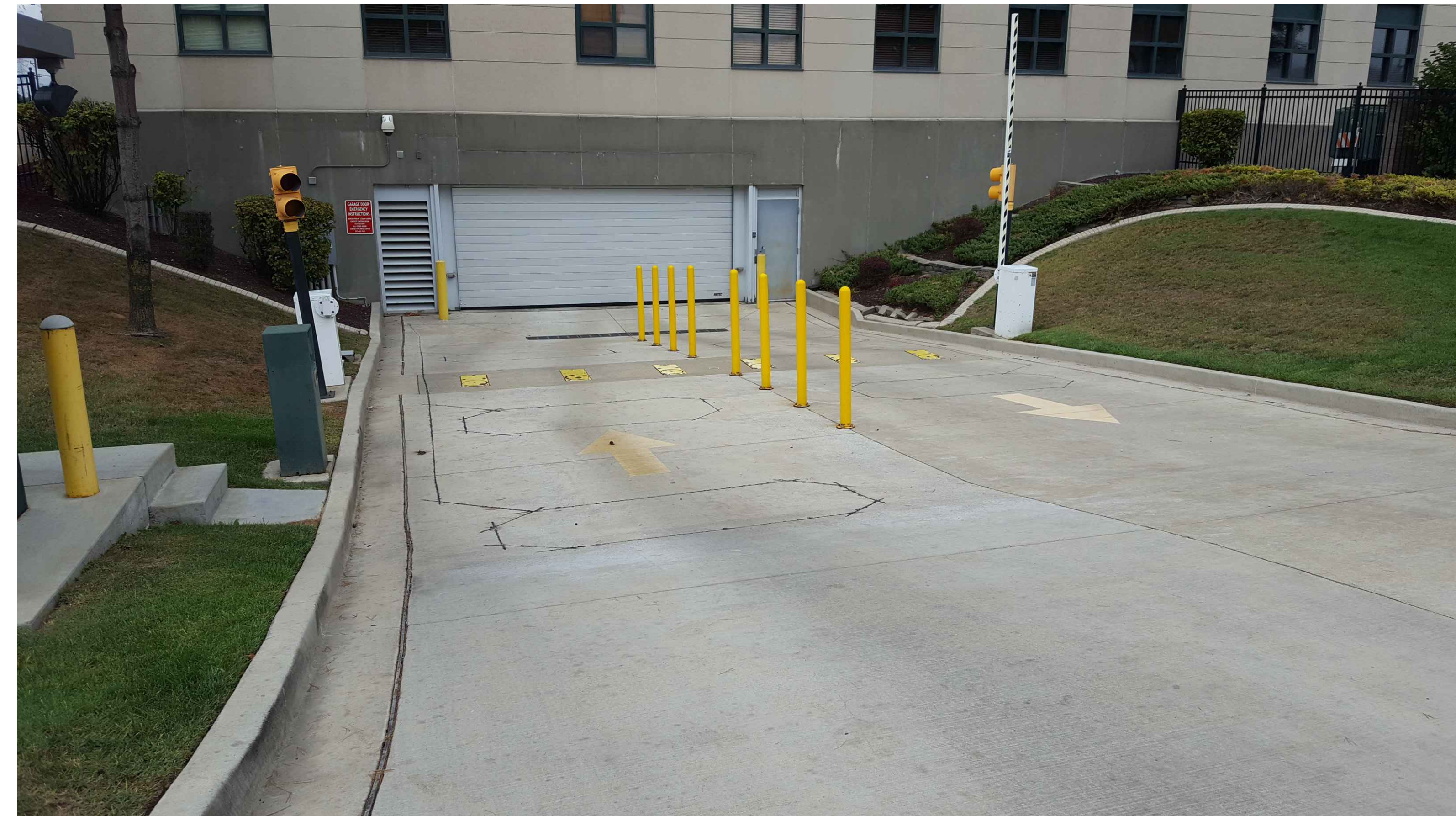
SHEET LIST

SHEET NUMBER	SHEET NAME
GENERAL	
GI001	COVER SHEET
GI002	GENERAL NOTES
GI003	PHASING PLAN
CIVIL	
CD101	DEMOLITION PLAN
CS101	SITE PLAN - NEW WORK
CS102	LOOP DETECTOR LAYOUT PLAN - NEW WORK
CS501	SITE DETAILS
CS502	RAM-PROOF BARRIER GATE DETAILS - NEW WORK
CG101	GRADING PLAN - NEW WORK
EP101	ELECTRICAL LEGEND & DEMOLITION PLAN
EP102	ELECTRICAL POWER PLAN - NEW WORK
EP103	ELECTRICAL DETAILS

MELVIN PRICE FEDERAL COURTHOUSE USMS SECURITY BARRIER REPLACEMENT FINAL CONSTRUCTION DOCUMENTS



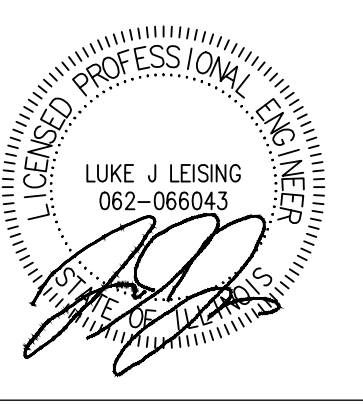
VICINITY MAP



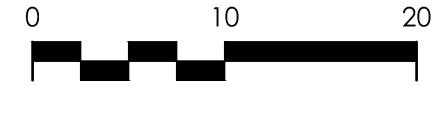
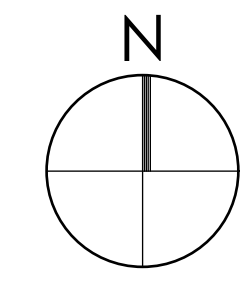
LOCATION MAP

CONTRACTOR STAGING/STORAGE AREA
U.S. COURTHOUSE
MELVIN PRICE FEDERAL BUILDING

OWNER	CIVIL ENGINEER	MECHANICAL & ELECTRICAL
MELVIN PRICE FEDERAL COURTHOUSE	GUIDON DESIGN INC.	BCCLT, CONSULTING ENGINEERS
Contact: Brett Etling Project COR	Contact: Stacey Paul Project Engineer Project PM	Contact: James E. Meadows Senior Electrical Engineer
508 South Eighth Street. East St. Louis, IL 62201	905 North Capitol Avenue Suite 100 Indianapolis, IN 46204	9100 Markfield Rd. #200 Louisville, KY 40222
p: 217.801.9743	p: 317.800.6388 x 104	p: 812.423.4407
e: brett.etling@gsa.gov	e: spaul@guidondesign.com	e: meadows@bcclt.com



CONTRACTORS	
A/E CON. NO.	GS-05-P-17-SC-D-0001
A/E TASK NO.	47PF-0018F-0230
CONS. CONTR.	
CONS. WORK	
PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E	
CONSTR. CON.	
CONTRACTOR INFO	
MARK	DESCRIPTION
	REVISION
	DATE
GENERAL SERVICES ADMINISTRATION	
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING
STREET	750 MISSOURI AVENUE
CITY/ST./ZIP	EAST SAINT LOUIS IL 62201
PROJ. DESC.	GSA SECURITY UPGRADE
GSA #M	BRETT ETLING SHEET SIZE 30" X 42"
TITLE	COVER SHEET
DATE	10-10-2018
DRAWN BY	DSM
FLOOR NO.	
DISCIPLINE	CIVIL
BLDG. NO.	IL0301ES
SHEET DESIGNATOR	
DRAWING NO.	GI001
SHEET	1 OF 12



○ PHASING PLAN KEYNOTES

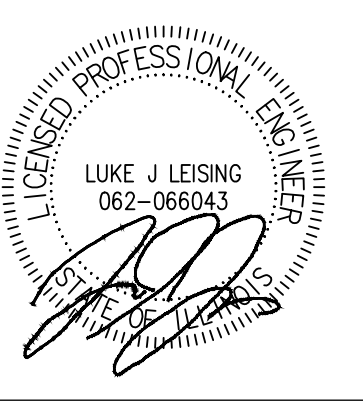
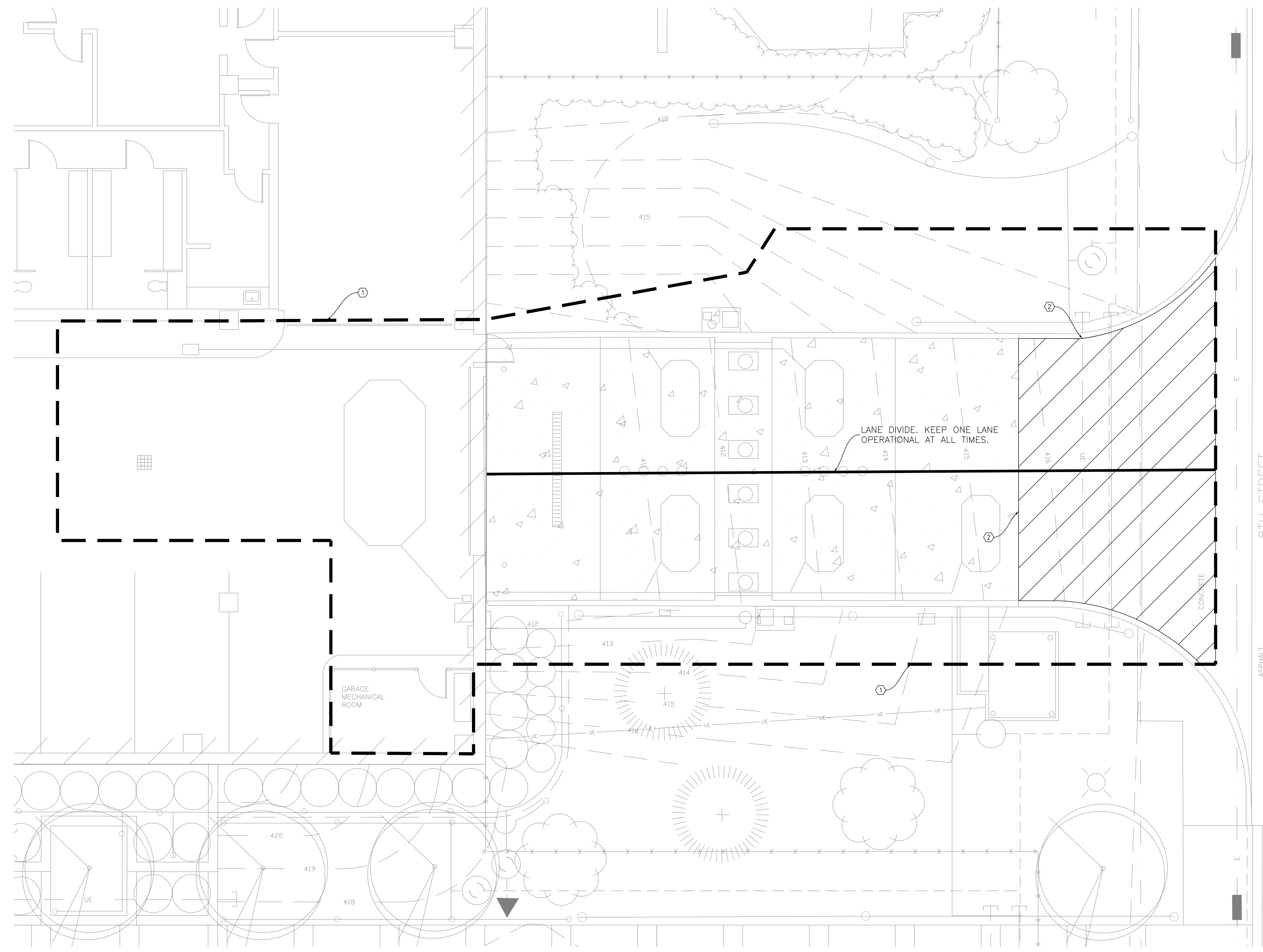
- 1. CONSTRUCTION LIMITS
- 2. STAGING AREA; KEEP ONE LANE CLEAR AT ALL TIMES.

PHASE 1:
CONTRACTOR TO REMOVE EXISTING EQUIPMENT, CONDUIT NOT CALLED FOR REUSE, AND RAM PROOF BOLLARD SYSTEM. DUE TO EXPECTED NOISE LEVEL, BOLLARD SYSTEM SHALL BE REMOVED DURING WEEKEND HOURS. CONTRACTOR TO COORDINATE WITH THE GSA REPRESENTATIVE. ONE LANE OF ENTRANCE RAMP MUST BE KEPT OPERATIONAL DURING WORKING HOURS, DEFINED AS MONDAY THROUGH FRIDAY, 8:00 AM. TO 4:30 PM. MAINTAIN EXISTING CONCRETE IN DRIVE, CARD READERS, AND INTERCOM AS LONG AS POSSIBLE. COORDINATE CARD READER DEACTIVATION WITH GSA. REMOVAL OF SECURITY WIRING AND EQUIPMENT TO BE PERFORMED BY GOVERNMENT SECURITY VENDOR.

PHASE 2:
EXCAVATE ADDITIONAL AREA AS NECESSARY TO ACCOMMODATE NEW RAM-PROOF BARRIER GATE FOUNDATIONS. COORDINATE WEEKEND WORK WITH GSA REPRESENTATIVE. ONE LANE OF ENTRANCE DRIVE TO GARAGE MUST BE KEPT OPERATIONAL DURING WORKING HOURS.

PHASE 3:
REMOVE REMAINING CONCRETE ON THE ENTRANCE DRIVE TO GARAGE CALLED OUT TO BE REPLACED. PLACEMENT OF NEW CONCRETE WILL BE PHASED IN ORDER TO MAINTAIN ONE LANE OF ENTRANCE DRIVE TO GARAGE USE DURING WORKING HOURS.

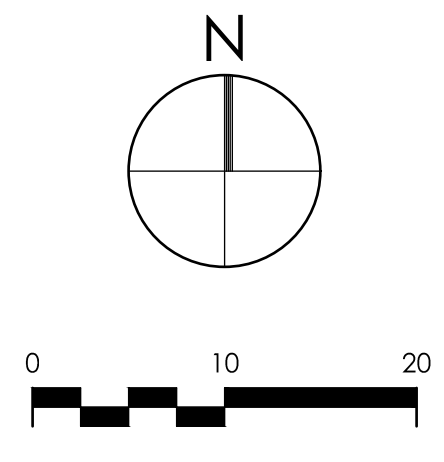
- NOTES:
1. ALL INTERIOR WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS, DEFINED AS MONDAY THROUGH FRIDAY 8:00 AM. TO 4:30 PM. IF INTERIOR OFF HOURS WORK IS REQUIRED, CONTRACTOR SHALL BE REQUEST/COORDINATE WITH THE GSA AND BE GRANTED ON A CASE BY CASE BASIS.
 2. EXTERIOR WORK MAY BE PERFORMED AFTER HOURS.
 3. GSA TO PROVIDE CONTRACTOR PARKING, COORDINATE WITH GSA PROJECT MANAGER.



CONTRACTORS	A/E CON. NO.	GS-05-P-17-SC-D-0001
	A/E TASK NO.	47PF-0018F-0230
	CONS. CONTR.	
	CONS. WORK	
	PRIME A/E	GUIDON BCCLT JV LLC
	SUB A/E	
	CONSTR. CON.	

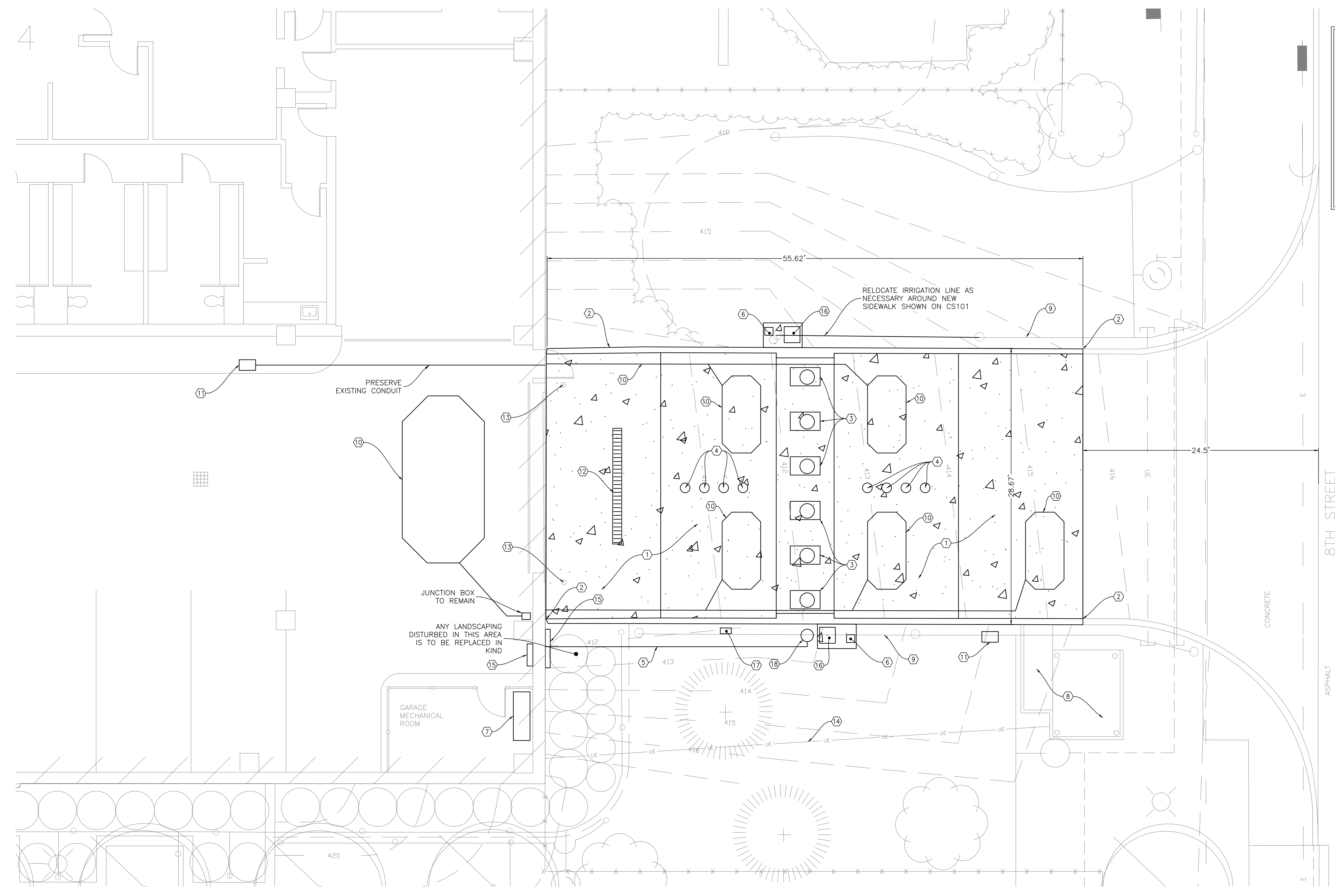
CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
REVISION		

GENERAL SERVICES ADMINISTRATION			
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING		
STREET	750 MISSOURI AVENUE		
CITY/ST./ZIP	EAST SAINT LOUIS IL	62201	
PROJ. DESC.	GSA SECURITY UPGRADE		
GSA #M	BRETT ETILING	SHEET SIZE	30" X 42"
TITLE	PHASING PLAN		
DATE	10-10-2018	DRAWN BY	DSM
FLOOR NO.		DISCIPLINE	CIVIL
BLDG. NO.	IL0301ES	SHEET DESIGNATOR	
DRAWING NO.	GI003		
SHEET	3	OF	12

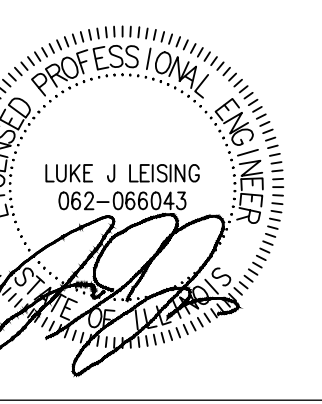


DEMOLITION PLAN KEYNOTES

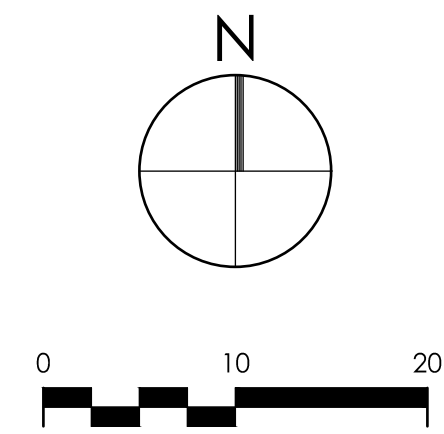
1. SAWCUT AND REMOVE CONCRETE PAVEMENT SECTION.
2. SAWCUT AND REMOVE CONCRETE CURB AND GUTTER.
3. REMOVE EXISTING HYDRAULIC BOLLARD SYSTEM AND FOUNDATIONS.
4. REMOVE SURFACE MOUNTED BOLLARDS (8 TOTAL).
5. FULLY REMOVE HYDRAULIC LINES FOR EXISTING BOLLARD SYSTEM.
6. REMOVE SIGNAL LIGHT AND FOUNDATION.
7. REMOVE HYDRAULIC PUMP AND EQUIPMENT.
8. EXISTING GUARD BUILDING AND SIDEWALK TO REMAIN.
9. PROTECT IRRIGATION LINE AND EQUIPMENT.
10. REMOVE EXISTING DETECTION WIRE.
11. REMOVE CARD READER STAND.
12. REMOVE TRENCH DRAIN. CLEAN AND STORE FOR REUSE.
13. PROTECT BOLLARDS, REPAINT, MATCH EXISTING COLOR.
14. PROTECT EXISTING ELECTRICAL LINE.
15. REMOVE HYDRAULIC LINES AND POWER JUNCTION BOX. REMOVE POWER TO NEAREST JUNCTION BOX, PATCH OPENINGS IN WALL AS NECESSARY.
16. REMOVE VEHICLE BARRIER ARM, OPERATOR AND FOUNDATION.
17. REMOVE ELECTRICAL BOX.
18. REMOVE SUMP PUMP.



NOTES:
GOVERNMENT SECURITY VENDOR TO DISCONNECT EXISTING ACCESS CONTROL EQUIPMENT AND REMOVE COMMUNICATION WIRES. COORDINATE WITH GSA.
CONTRACTOR TO COORDINATE ALL WORK ON GARAGE DOOR WITH OVERHEAD DOOR. ALL GARAGE DOOR WORK TO BE DONE BY OVERHEAD DOOR.
INTERIOR WORK WILL BE PERFORMED DURING NORMAL WORK HOURS, DEFINED AS MONDAY THROUGH FRIDAY 8:00 AM. TO 4:30 PM. EXTERIOR WORK MAY BE PERFORMED AFTER HOURS.
SPECIAL EXCEPTIONS FOR INTERIOR WORK AFTER HOURS WILL NEED TO BE COORDINATED WITH THE GSA.



CONTRACTORS	A/E CON. NO.	GS-05-P-17-SC-D-0001
	A/E TASK NO.	47PF-0018F-0230
	CONS. CONTR.	
	CONS. WORK	
	PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E		
CONSTR. CON.		
CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
	REVISION	
GENERAL SERVICES ADMINISTRATION		
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING	
STREET	750 MISSOURI AVENUE	
CITY/ST./ZIP	EAST SAINT LOUIS IL 62201	
PROJ. DESC.	GSA SECURITY UPGRADE	
GSA #M	BRETT ETLING	SHEET SIZE 30" X 42"
TITLE	DEMOLITION PLAN	
DATE	10-10-2018	DRAWN BY DSM
FLOOR NO.		DISCIPLINE CIVIL
BLDG. NO.	IL0301ES	SHEET DESIGNATOR
DRAWING NO.	CD101	
SHEET	4	OF 12



○ SITE PLAN KEYNOTES - NEW WORK

- | | | |
|---|---|--|
| <ol style="list-style-type: none"> 1. CONCRETE PAVEMENT, SEE DETAIL 2/CS501. 2. CONCRETE SIDEWALK, SEE DETAIL 3/CS501. 3. NEW RAM-PROOF BARRIER GATE, SEE SHEET CS502. 4. CONCRETE CURB AND GUTTER, SEE DETAIL 5/CS501. 5. CONTROL JOINT, SEE DETAIL 4/CS501. 6. EXPANSION JOINT, SEE DETAIL 4/CS501. 7. TRAFFIC ARROW, PAINTED, YELLOW, SEE DETAIL 10/CS501. 8. CONCRETE RETAINING WALL, SEE DETAIL 6/CS501. 9. 42" TV SCREEN (NOT IN CONTRACT) CONTRACTOR TO PROVIDE ELECTRICAL SERVICE AND ROTATING TV MOUNT. | <ol style="list-style-type: none"> 10. ACCESS CONTROL STAND IN CONTRACT, EQUIPMENT BY OTHERS. SEE DETAIL 12/CS501. 11. VEHICLE DETECTOR LOOP, SEE DETAIL 8/CS501 FOR INSTALLATION IN EXISTING PAVEMENT, SEE DETAIL 14/CS501 FOR INSTALLATION IN NEW PAVEMENT. 12. TEMPORARY INLET PROTECTION, SEE DETAIL 13/CS501. 13. 6" CONCRETE BOLLARDS (5), SEE DETAIL 7/CS501. 14. STOP BAR 12" WIDE, PAINTED, WHITE. 15. CONCRETE RETAINING CURB AND GUTTER WITH 3 FOOT TRANSITION, SEE DETAIL 9/CS501. 16. 24"x24" WARNING SIGN A, SEE DETAIL BELOW. | <ol style="list-style-type: none"> 17. 24"x24" WARNING SIGN B, SEE DETAIL BELOW. 18. TREE PROTECTION. — TP — TP — 19. RELOCATE IRRIGATION LINE AS NECESSARY. 20. WIRING FOR VEHICLE LOOP DETECTOR SEE DETAIL 8/CS501 FOR INSTALLATION IN EXISTING PAVEMENT, SEE DETAIL 14/CS501 FOR INSTALLATION IN NEW PAVEMENT. 21. LAND GUIDANCE BOLLARDS (7), SEE DETAIL 11/CS501. 22. STRIP AND CLEAN EXISTING BOLLARD. PAINT TO MATCH EXISTING YELLOW COLOR AND INSTALL POLYETHYLENE FADE-RESISTANT POST SLEEVE WITH REFLECTIVE STRIPING. SLEEVE TO MATCH EXISTING YELLOW COLOR WITH MINIMUM 1/8" THICKNESS. |
|---|---|--|

NOTES:

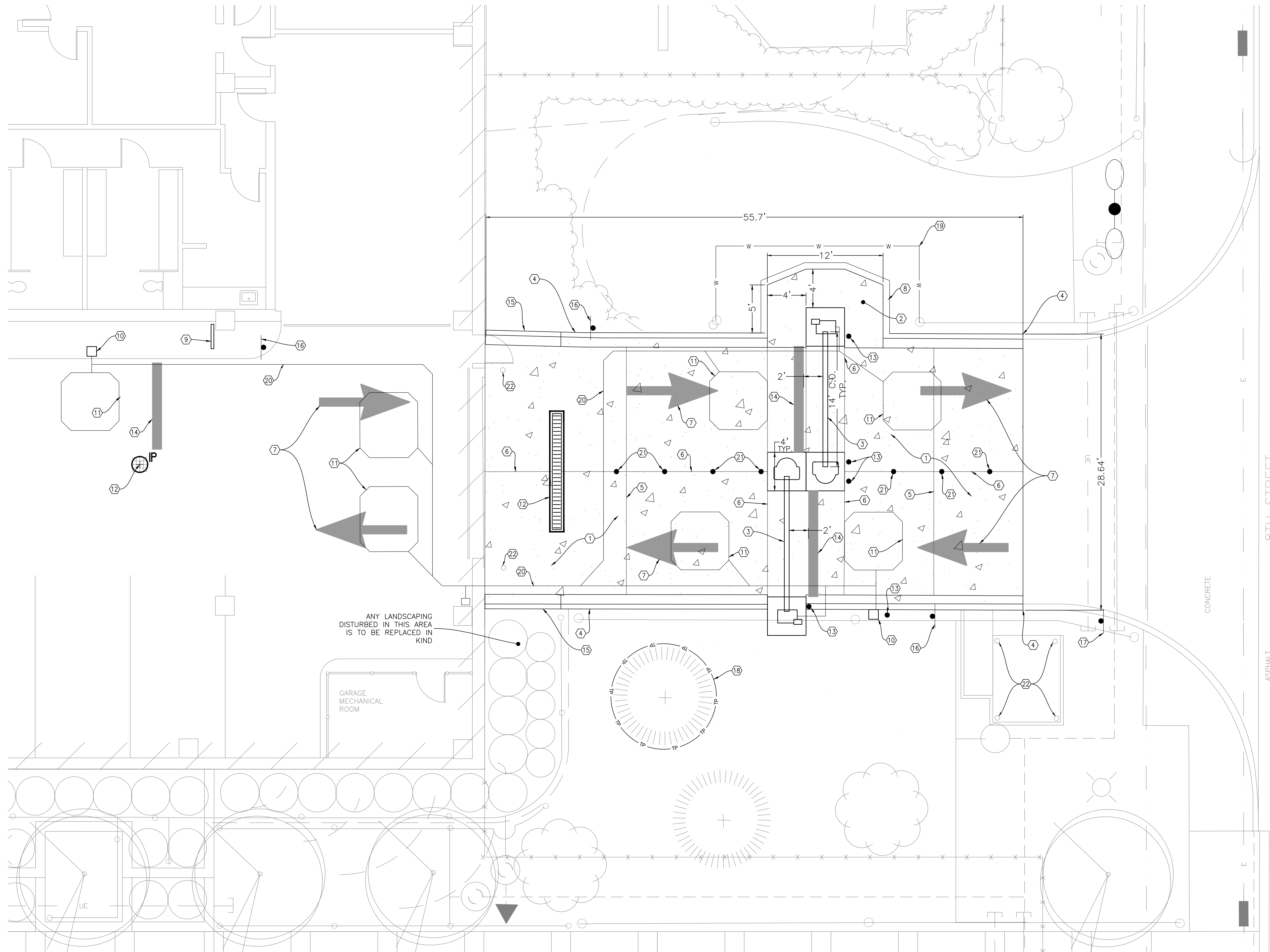
1. ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING PER SPECIFICATIONS.
2. OPEN AND CLOSE OF GARAGE DOOR AND GATES TO BE SIMULTANEOUS. WARNING LIGHTS ON BOTH GARAGE DOORS AND SECURITY GATES TO COORDINATE COLORS WITH OPEN AND CLOSE STATES.
3. CONTRACTOR TO COORDINATE ALL WORK ON GARAGE DOOR WITH OVERHEAD DOOR. ALL GARAGE DOOR WORK TO BE DONE BY OVERHEAD DOOR.
4. INTERIOR WORK WILL BE PERFORMED DURING NORMAL WORK HOURS, DEFINED AS MONDAY THROUGH FRIDAY 8:00 AM. TO 5:00 PM. EXTERIOR WORK MAY BE PERFORMED AFTER HOURS.
5. GOVERNMENT SECURITY VENDOR TO PURCHASE AND INSTALL ALL SECURITY ACCESS EQUIPMENT INCLUDING CARD READERS, CAMERAS, DURESS BUTTONS AND WIRING. CONTRACTOR TO LAY CONDUIT WITH PULL STRINGS IN PREPARATION FOR WIRING AND INSTALLATION OF ACCESS CONTROL EQUIPMENT. COORDINATE INSTALL WITH GOVERNMENT.



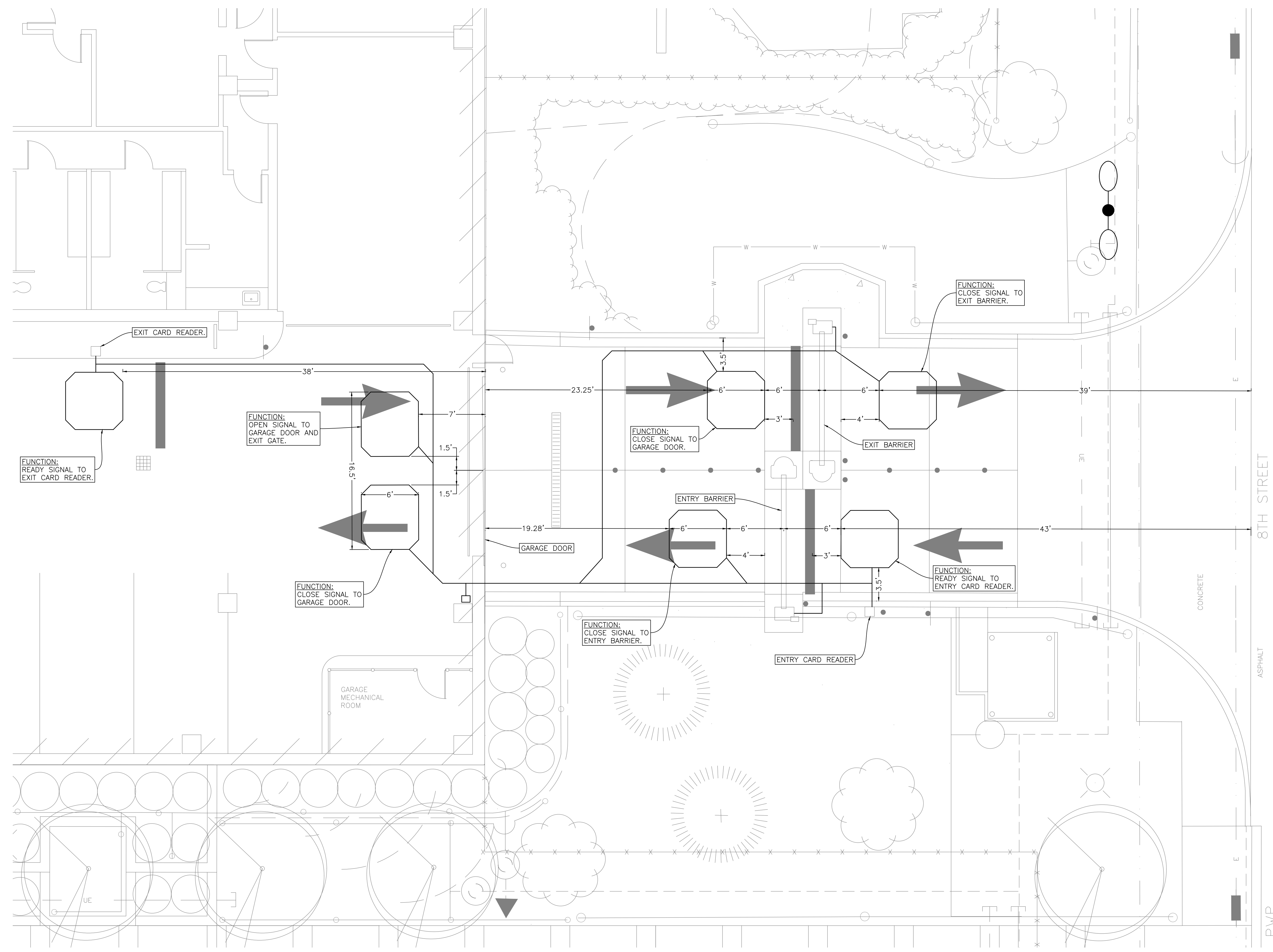
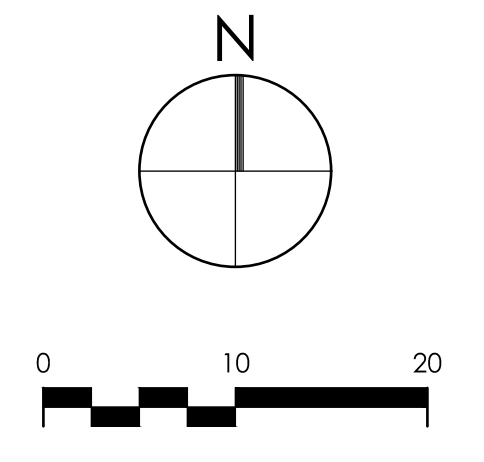
WARNING SIGN A
NTS



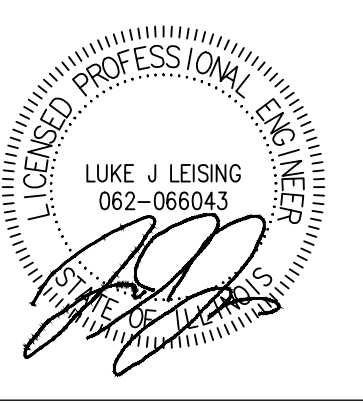
WARNING SIGN B
NTS



CONTRACTORS	A/E CON. NO.	GS-05P-17-SC-D-0001
	A/E TASK NO.	47PF-0018F-0230
	CONS. CONTR.	
	CONS. WORK	
	PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E		
CONSTR. CON.		
CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
	REVISION	
GENERAL SERVICES ADMINISTRATION		
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING	
STREET	750 MISSOURI AVENUE	
CITY/ST./ZIP	EAST SAINT LOUIS IL 62201	
PROJ. DESC.	GSA SECURITY UPGRADE	
GSA #	BRETT ETLING	SHEET SIZE 30" X 42"
TITLE	SITE PLAN - NEW WORK	
DATE	10-10-2018	DRAWN BY DSM
FLOOR NO.		DISCIPLINE CIVIL
BLDG. NO.	IL030YES	SHEET DESIGNATOR
DRAWING NO.	CS101	
SHEET	5	OF 12



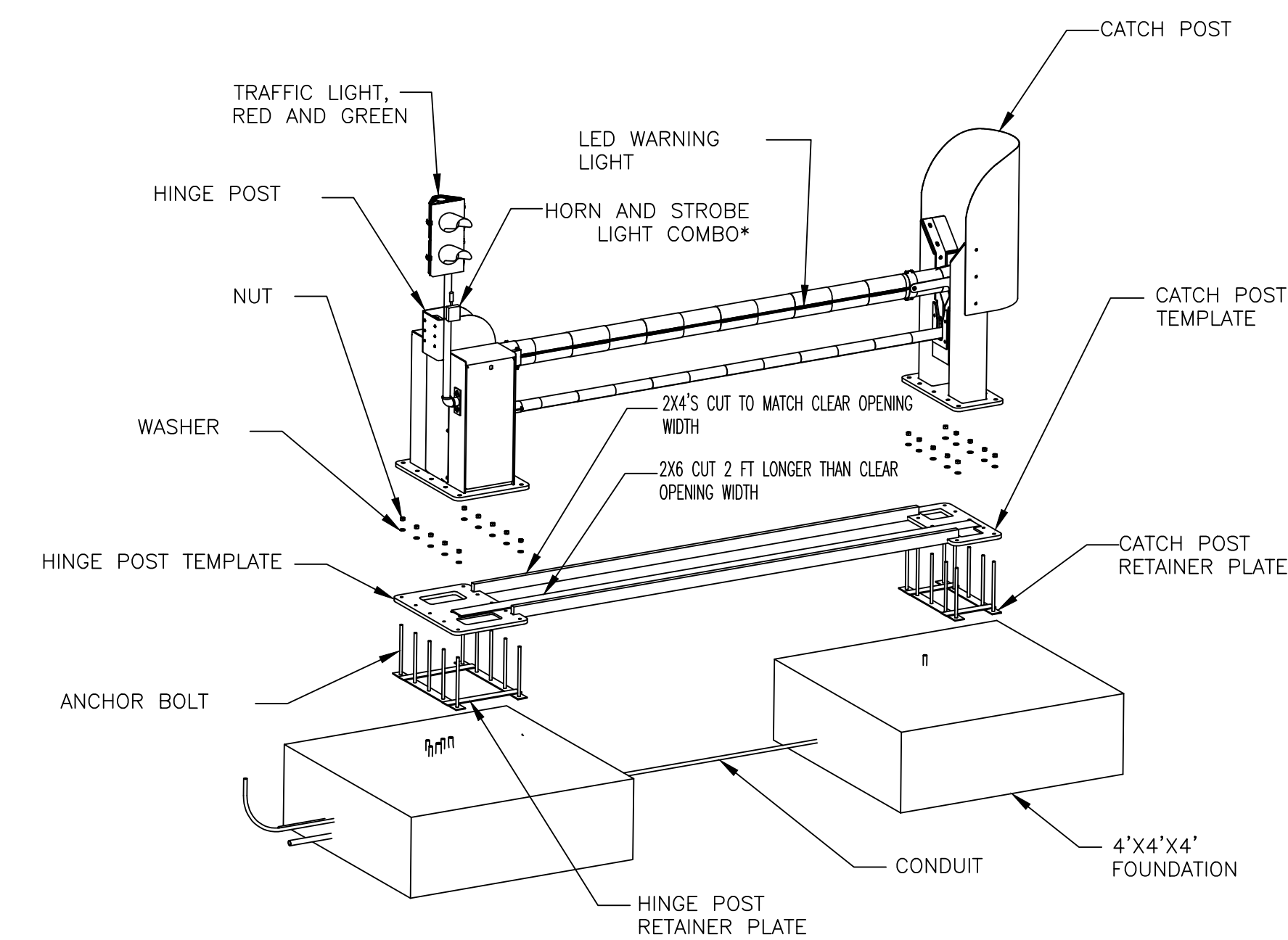
LOOP DETECTOR LAYOUT PLAN - NEW WORK



A/E CON. NO.	GS-05-P-17-SC-D-0001
A/E TASK NO.	47PF-0018F-0230
CONSTR. CONTR.	
CONSTR. WORK	
PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E	
CONSTR. CON.	

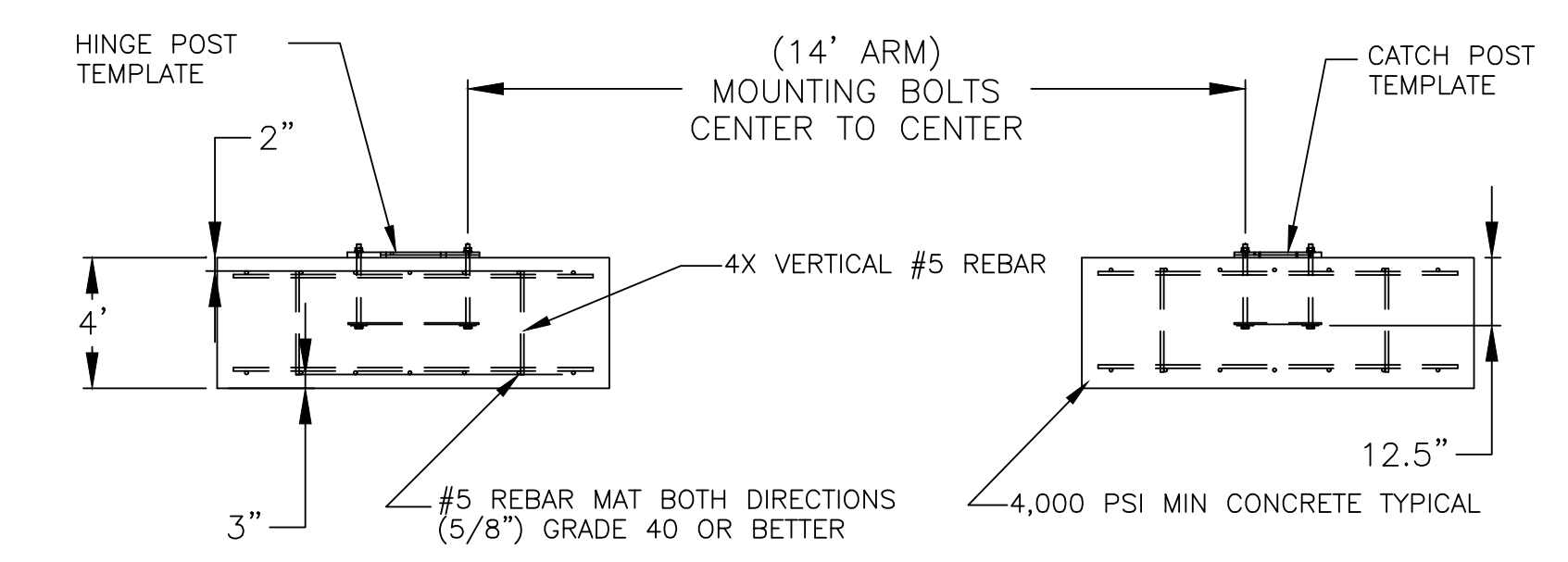
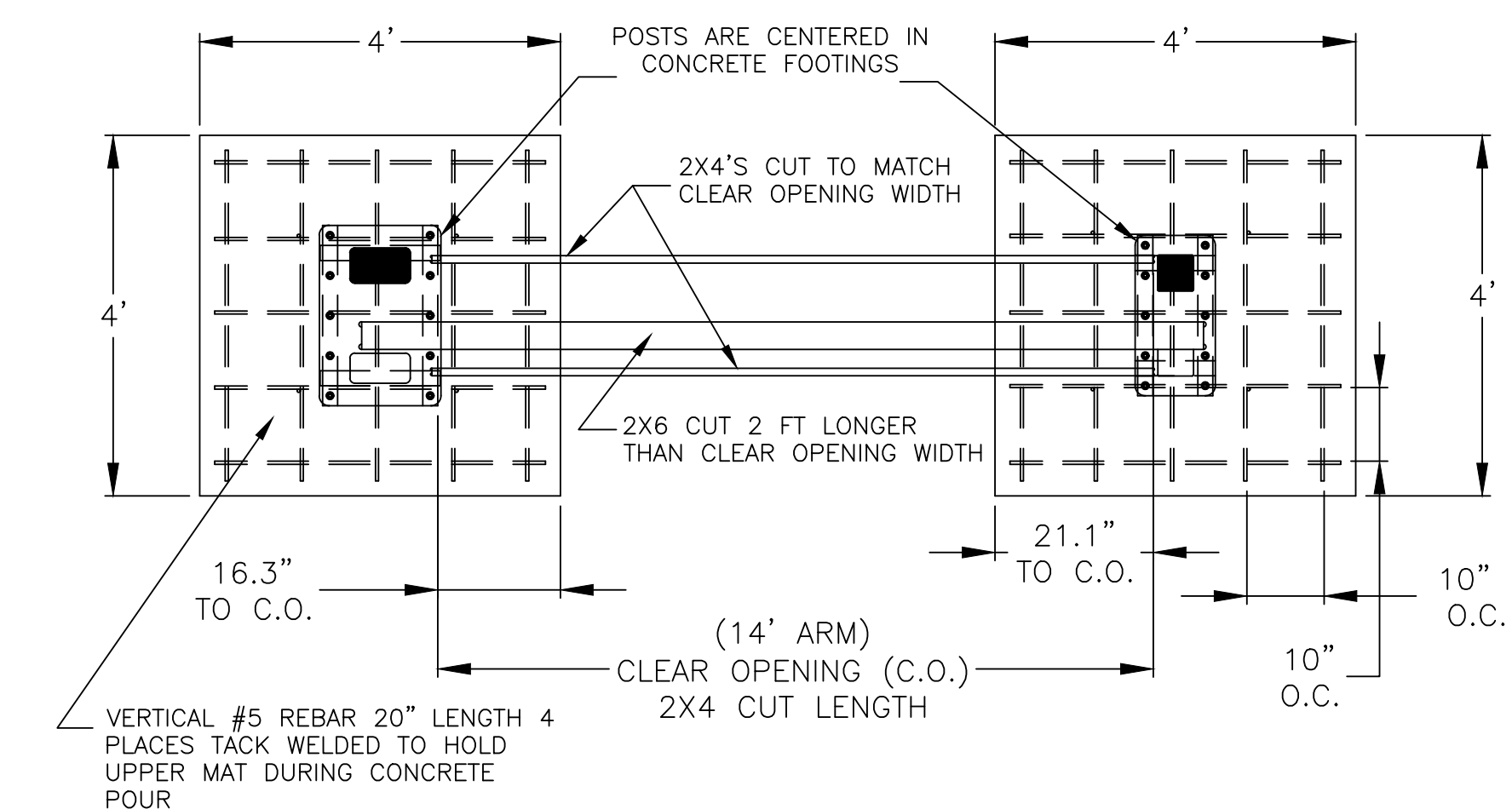
CONTRACTORS		
MARK	DESCRIPTION	DATE
	REVISION	

GENERAL SERVICES ADMINISTRATION			
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING	SHEET SIZE	30" X 42"
STREET	750 MISSOURI AVENUE		
CITY/ST./ZIP	EAST SAINT LOUIS IL 62201		
PROJ. DESC.	GSA SECURITY UPGRADE		
GSA PM	BRETT ETLING		
TITLE	LOOP DETECTOR LAYOUT PLAN - NEW WORK		
DATE	10-10-2018	DRAWN BY	DSM
FLOOR NO.		DISCIPLINE	CIVIL
BLDG. NO.	110301ES	TECH. NO.	
DRAWING NO.	CS102	SHEET DESIGNATOR	
SHEET	6	OF	12



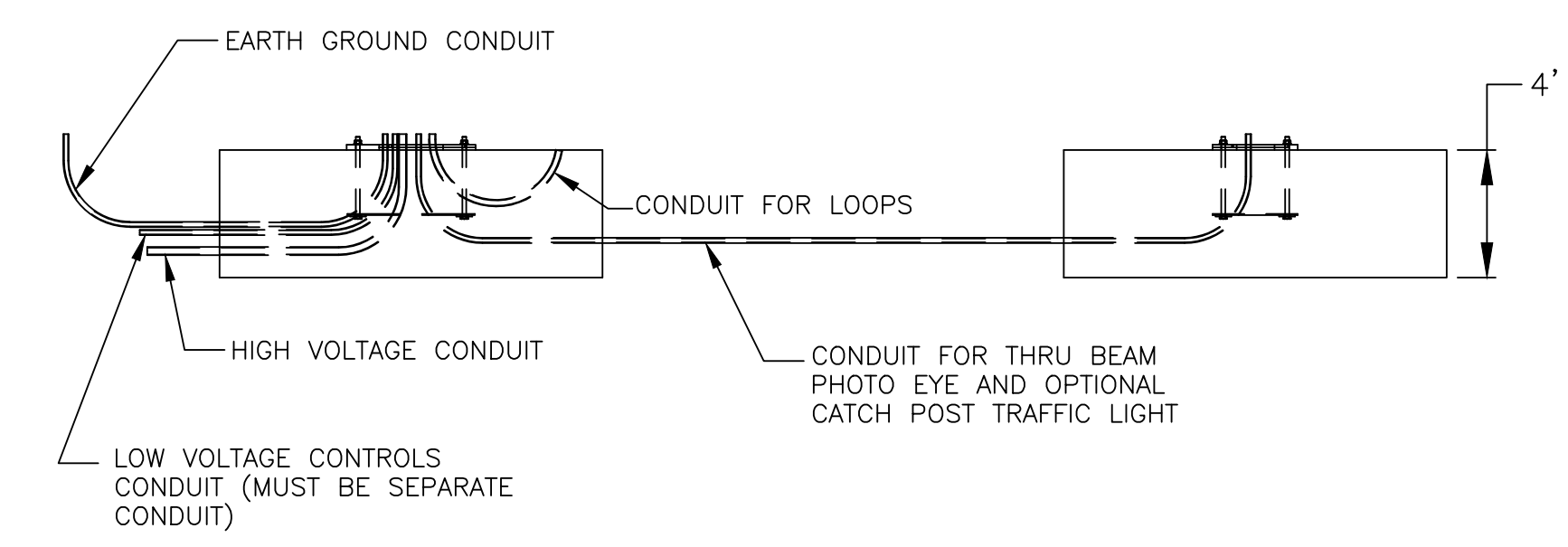
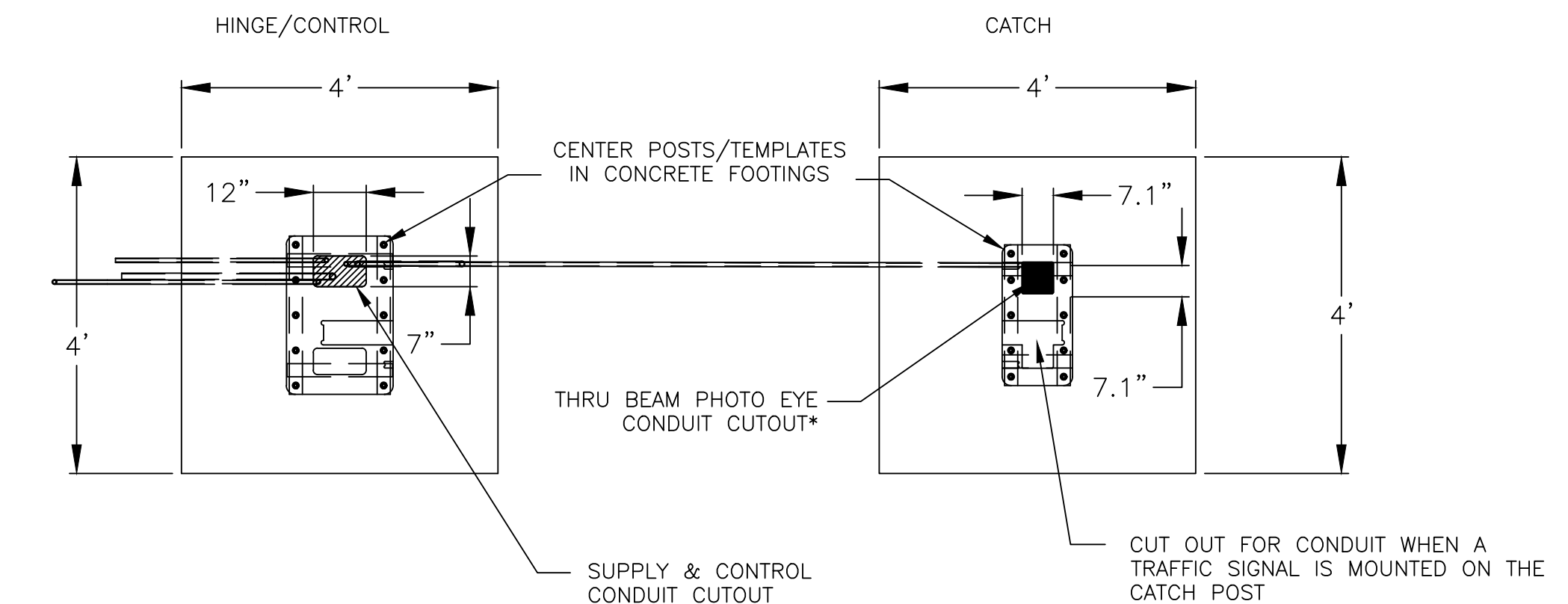
*HORN AND STROBE COMBO BASIS OF DESIGN: MAXI-SIGNAL PRODUCTS 120 VAC MULTI-TONE HORN WITH TOMAR BRAND MICROSTROBE.

1 ASSEMBLY DETAIL
NTS



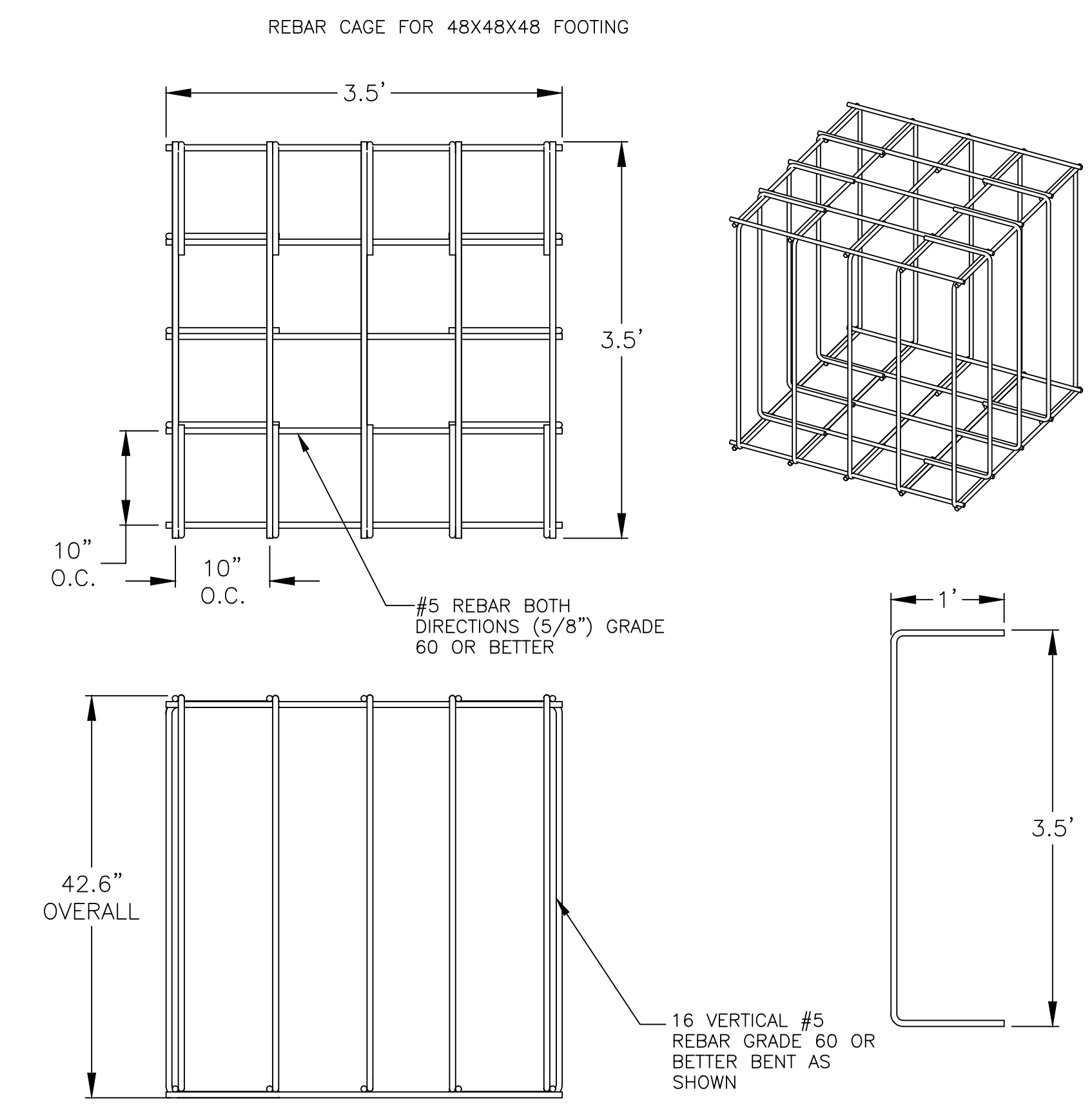
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
HINGE AND CATCH POST BOLT PATTERNS ARE DIFFERENT, BUT CONCRETE FOOTINGS AND REBAR MATS ARE IDENTICAL IN SIZE.
ALLOY STEEL ANCHOR BOLTS, EMBEDDED RETAINER PLATES, NUTS AND WASHERS ARE SUPPLIED BY MANUFACTURER.
REBAR CONDUIT AND CONCRETE MUST BE SUPPLIED BY THE INSTALLER.
PROVIDE EXPANSION JOINTS ON ALL SIDES OF THE FOUNDATIONS ABUTTING OTHER CONCRETE WORK.

2 ALIGNMENT DETAIL
NTS



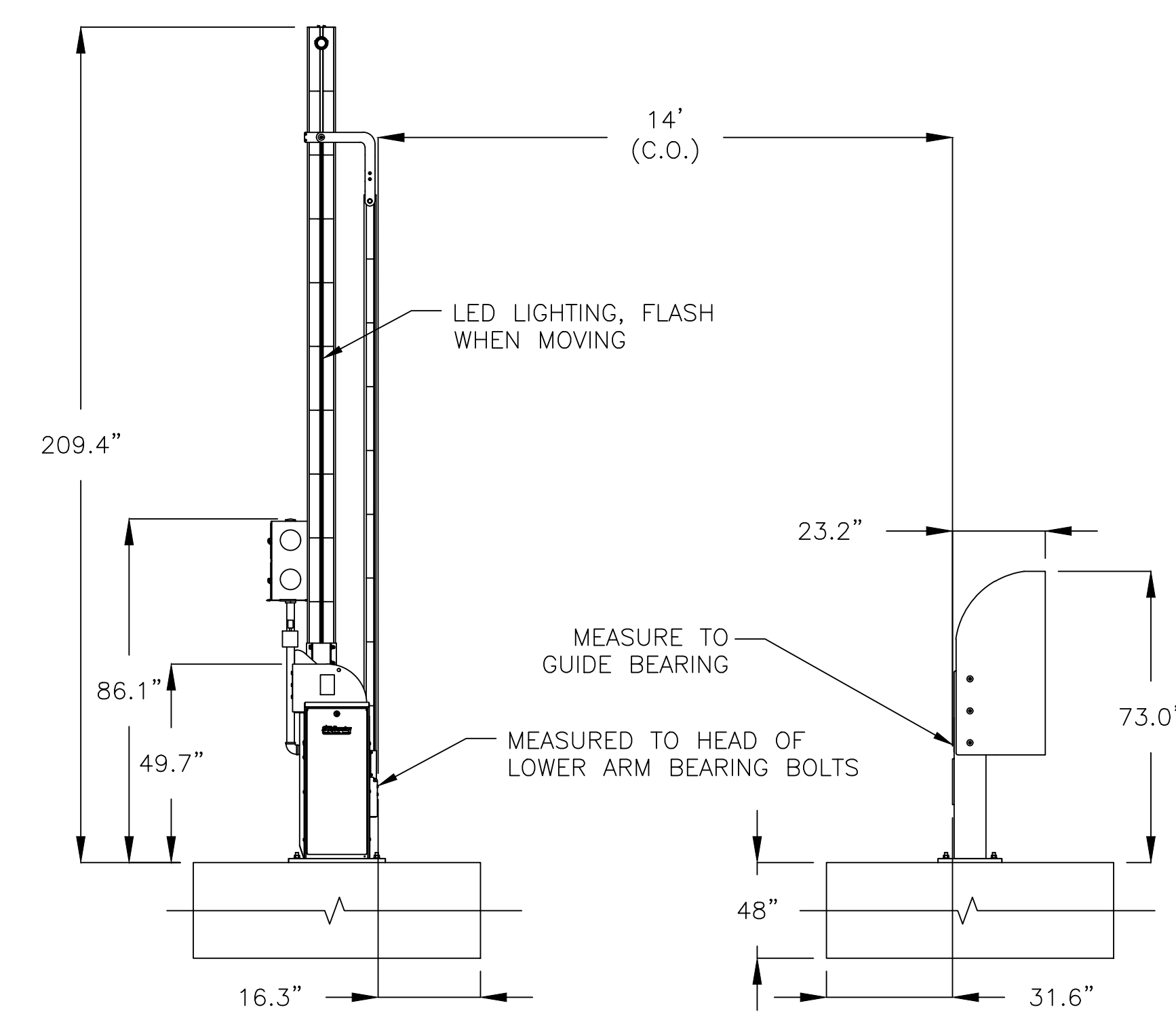
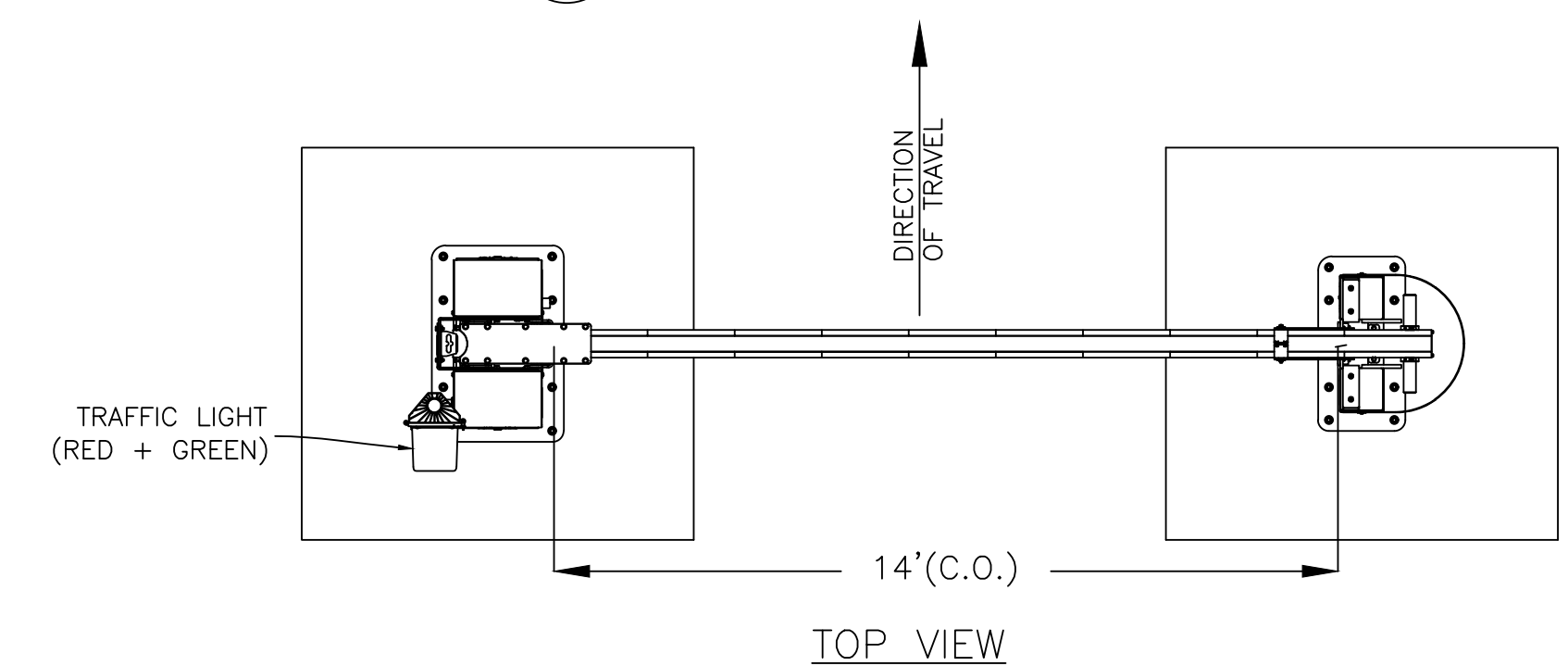
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
REBAR NOT SHOWN.
INCLUDE A BATTERY BACK-UP SYSTEM FROM THE SAME MANUFACTURER.
*NECESSARY IF USING THRU BEAM PHOTO EYE, UNLESS OPTIONAL BATTERY POWERED EYE IS USED. PHOTO EYE TO BE TURNED OFF ON INSTALL.

3 WIRING DETAIL
NTS



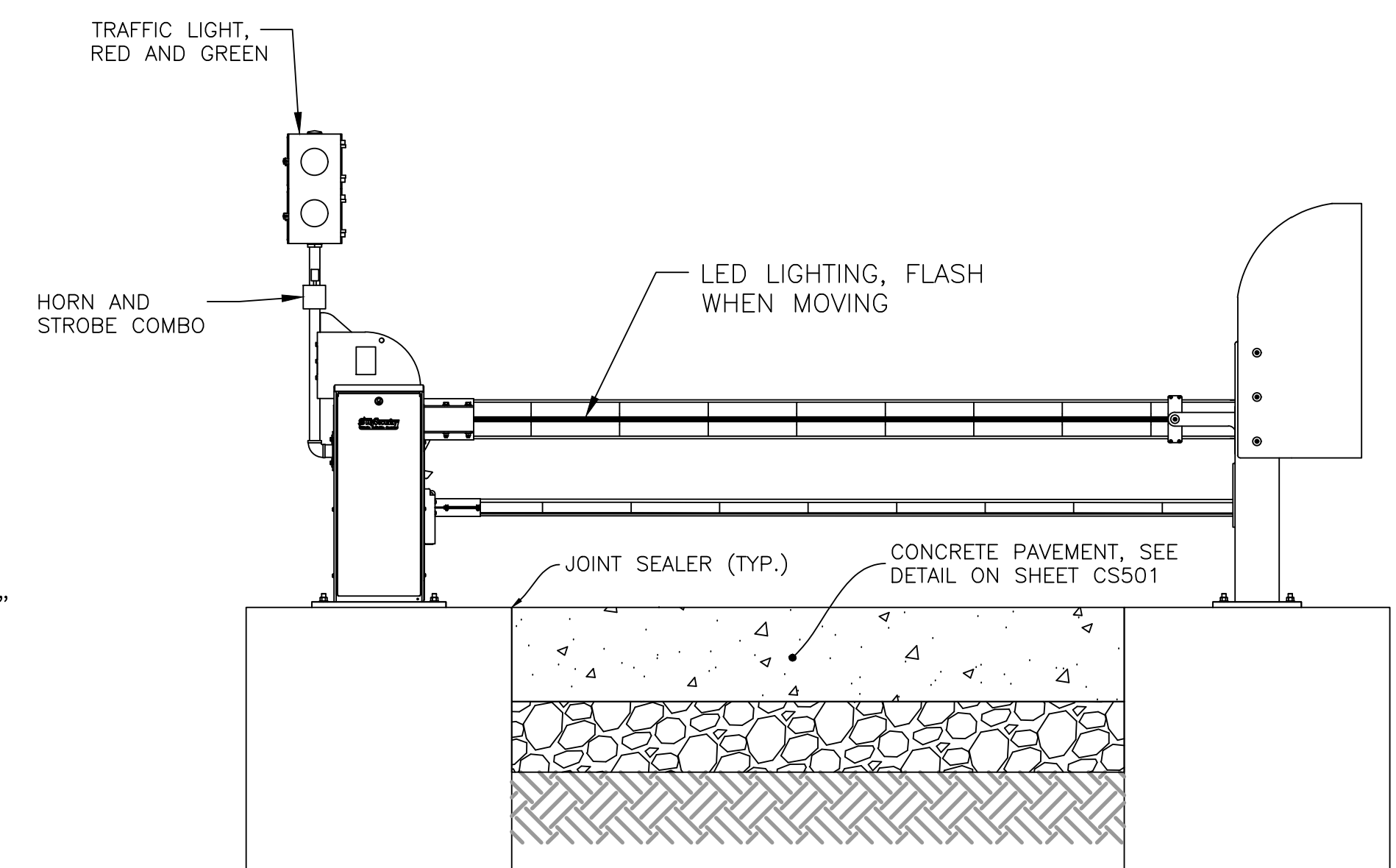
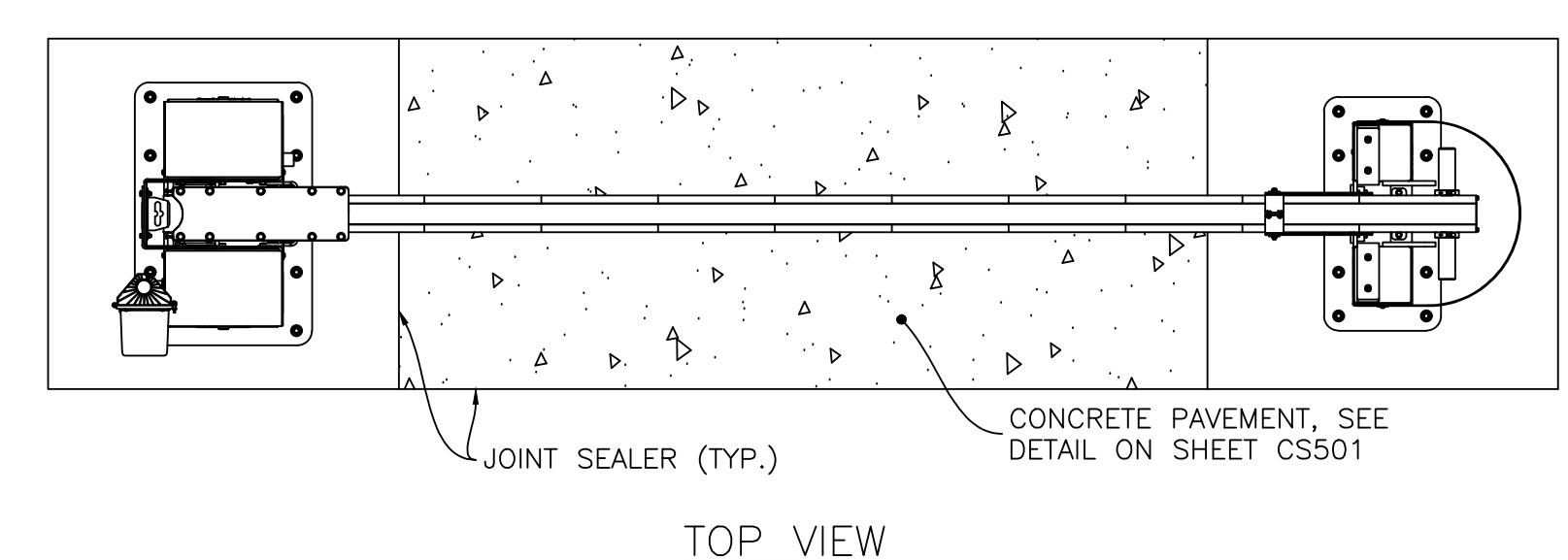
DESIGN SHOWN IS FOR A CONCRETE FOOTING 48X48X48 MIN.
REBAR TO BE SPACED 2 INCHES FROM TOP OF CONCRETE FOOTING AND 3 INCHES FROM THE BOTTOM.
REBAR AND FOOTING ARE IDENTICAL FOR PIVOT AND CATCH SIDES (HINGE AND CATCH POST HAVE DIFFERENT BOLT PATTERNS).

4 REBAR CAGE DETAIL
NTS



FRONT VIEW

5 OPEN AND CLOSED STATE DETAIL
NTS



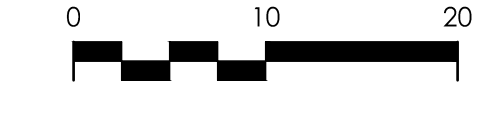
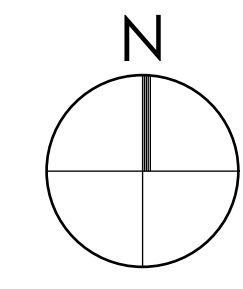
FRONT VIEW

*HORN AND STROBE COMBO BASIS OF DESIGN: MAXI-SIGNAL PRODUCTS 120 VAC MULTI-TONE HORN WITH TOMAR BRAND MICROSTROBE.

CONTRACTORS	A/E CON. NO.	GS-05-P-17-SC-D-0001
	A/E TASK NO.	47PF-0018F-0230
	CONS. CONTR.	
	CONS. WORK	
	PRIME A/E	GUIDON BCCLT JV LLC
	SUB A/E	
	CONSTR. CON.	

CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
	REVISION	

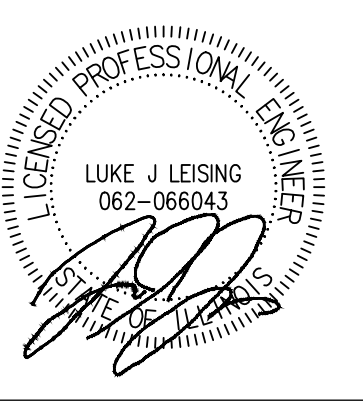
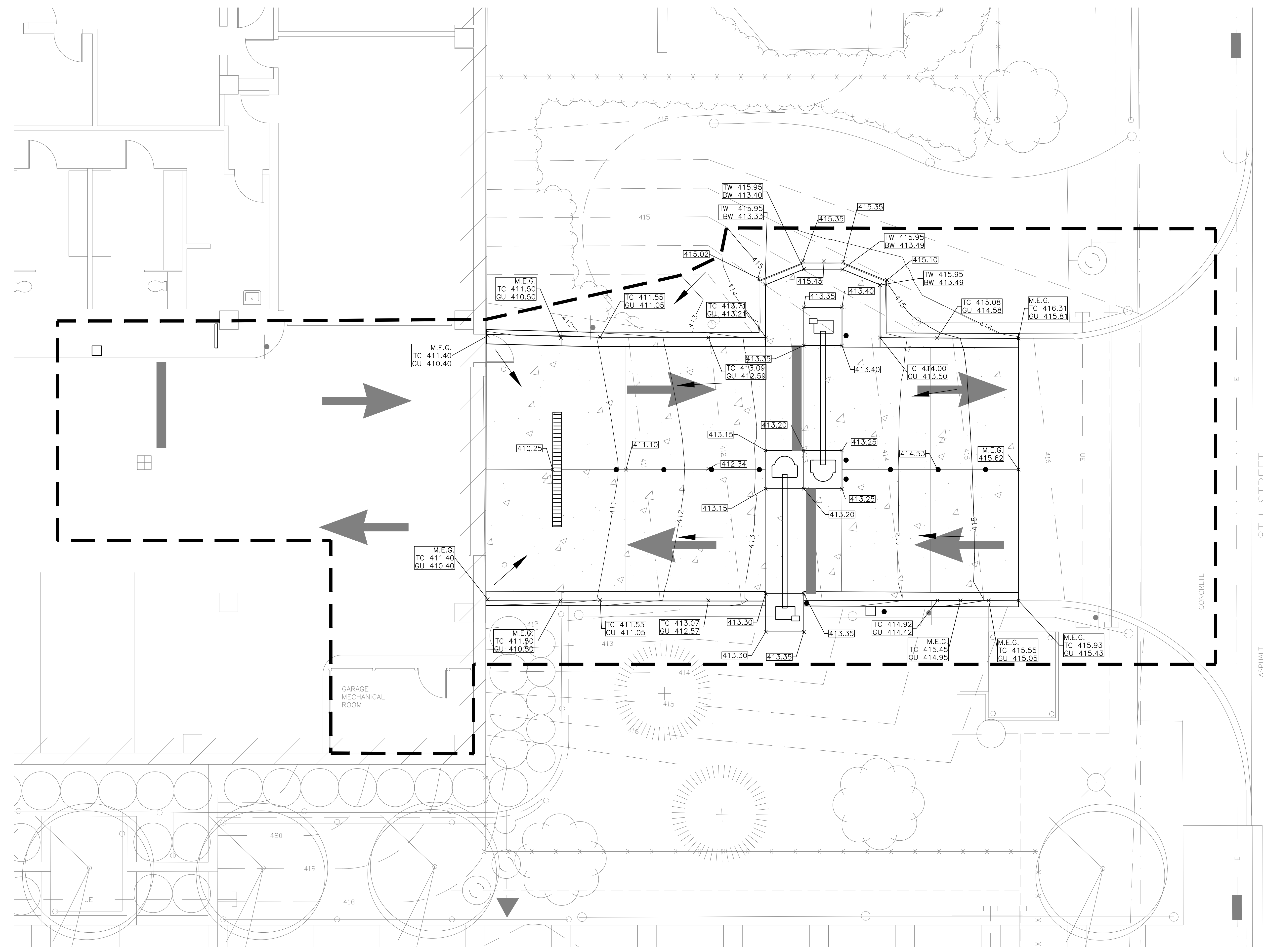
GENERAL SERVICES ADMINISTRATION		
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING	
STREET	750 MISSOURI AVENUE	
CITY/ST./ZIP	EAST SAINT LOUIS	IL 62201
PROJ. DESC.	GSA SECURITY UPGRADE	
GSA #W	BRETT ET LING	SHEET SIZE 30" X 42"
TITLE	RAM-PROOF BARRIER GATE DETAILS - NEW WORK	
DATE	10-10-2018	DRAWN BY DSM
FLOOR NO.		DISCIPLINE CIVIL
BLDG. NO.	IL0301ES	SHEET DESIGNATOR
DRAWING NO.	CS502	
SHEET	8	OF 12



○ GRADING LEGEND - NEW WORK

- EXISTING CONTOURS ——— 415 ———
- PROPOSED CONTOURS ——— 416 ———
- CONSTRUCTION LIMITS - - - - -
- FLOW ARROW →
- MATCH EXISTING GRADE M.E.G.
- SPOT ELEVATION 540.00
- TOP OF WALL TW 643.50
- BOTTOM OF WALL BW 643.00
- TOP OF CURB TC 643.50
- GUTTER GU 643.00

GRADING PLAN - NEW WORK



A/E CON. NO.	GS-05-P-17-SC-D-0001
A/E TASK NO.	47PF-0018F-0230
CONSTR. CONTR.	
CONSTR. WORK	
PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E	
CONSTR. CON.	

CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
	REVISION	
GENERAL SERVICES ADMINISTRATION		

BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING
STREET	750 MISSOURI AVENUE
CITY/ST./ZIP	EAST SAINT LOUIS IL 62201
PROJ. DESC.	GSA SECURITY UPGRADE
GSA #	BRETT ETILING SHEET SIZE 30" X 42"
TITLE	GRADING PLAN - NEW WORK
DATE	10-10-2018 DRAWN BY DSM
FLOOR NO.	DISCIPLINE CIVIL ECH NO.
BLDG. NO.	IL0301ES SHEET DESIGNATOR
DRAWING NO.	CG101
SHEET	9 OF 12

ELECTRICAL LEGEND

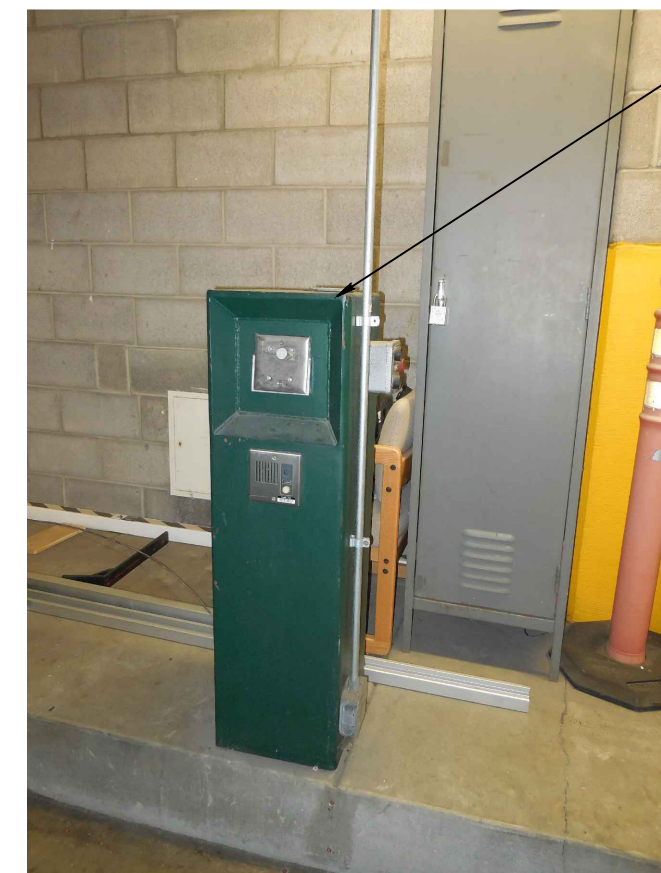
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
S	SINGLE POLE 20A SPECIFICATION GRADE TOGGLE SWITCH, MOUNT 44" A.F.F. TO BOTTOM, NOTED OTHERWISE.	PHASE CONDUCTORS	CIRCUIT CONCEALED IN CEILING OR WALL. CROSSBARS INDICATE NUMBER OF CONDUCTORS REQUIRED, CONDUIT NOT SIZED IS "4", CONDUCTORS NOT SIZED ARE #12 AWG.
	POLE LIGHT COMPLETE WITH POLE, BRACKETS REQUIRED NUMBER OF LIGHTING FIXTURES, REINFORCED CONCRETE FOUNDATION, AND ALL ACCESSORIES AS SCHEDULED.	NEUTRAL GROUND	
	WALL MOUNTED JUNCTION BOX, MOUNT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.	NP-1,3,5	HOMERUN TO PANELBOARD INDICATED, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS, NUMBER INDICATES CIRCUIT NUMBERS, PREFIX INDICATES PANEL NUMBER.
	WALL OUTLET WITH 20A, 125V DUPLEX RECEPTACLE, MOUNT AT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE, "GFI" SUBSCRIPT INDICATES GROUND FAULT CURRENT INTERRUPTER.	---	CONDUIT CONCEALED BENEATH GROUND.
	FUSIBLE DISCONNECT SWITCH, MOUNT 4'-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.	---	CONDUIT EXPOSED.
	SECURITY SYSTEM CAMERA, CAMERA AND ASSOCIATED WIRING IS BY GOVERNMENT, PTZ SUBSCRIPT INDICATES PAN-TILT-ZOOM TYPE.	□	WORKING CLEARANCE
	TRANSFORMER.	□	SURFACE MOUNTED PANELBOARD.
	SOLIDLY GROUNDED WYE CONNECTION.	●	POINT OF CONNECTION NEW TO EXISTING.
	DELTA CONNECTION.	⊙	PHOTOGRAPH VIEW, # INDICATES PHOTOGRAPH NUMBER, EXXX INDICATES PHOTOGRAPH SHEET/DRAWING REFERENCE.
	CIRCUIT BREAKER.	⊙	LIGHTING FIXTURE TYPE.
	SWITCH.	GFI	INDICATES GROUND FAULT CIRCUIT INTERRUPTER.
	FUSE.	EX	INDICATES EXISTING WHEN SHOWN NEXT TO DEVICE.
	FUSE.	A.F.F.	ABOVE FINISHED FLOOR.
	SWITCH AND FUSE UNIT.	"1,2,3"	NUMBER AT OUTLET INDICATES CIRCUIT ARRANGEMENT.
	GROUND	a,b,c	LOWER CASE LETTERS AT OUTLETS INDICATE SWITCHING ARRANGEMENTS.

GENERAL ELECTRICAL NOTES:

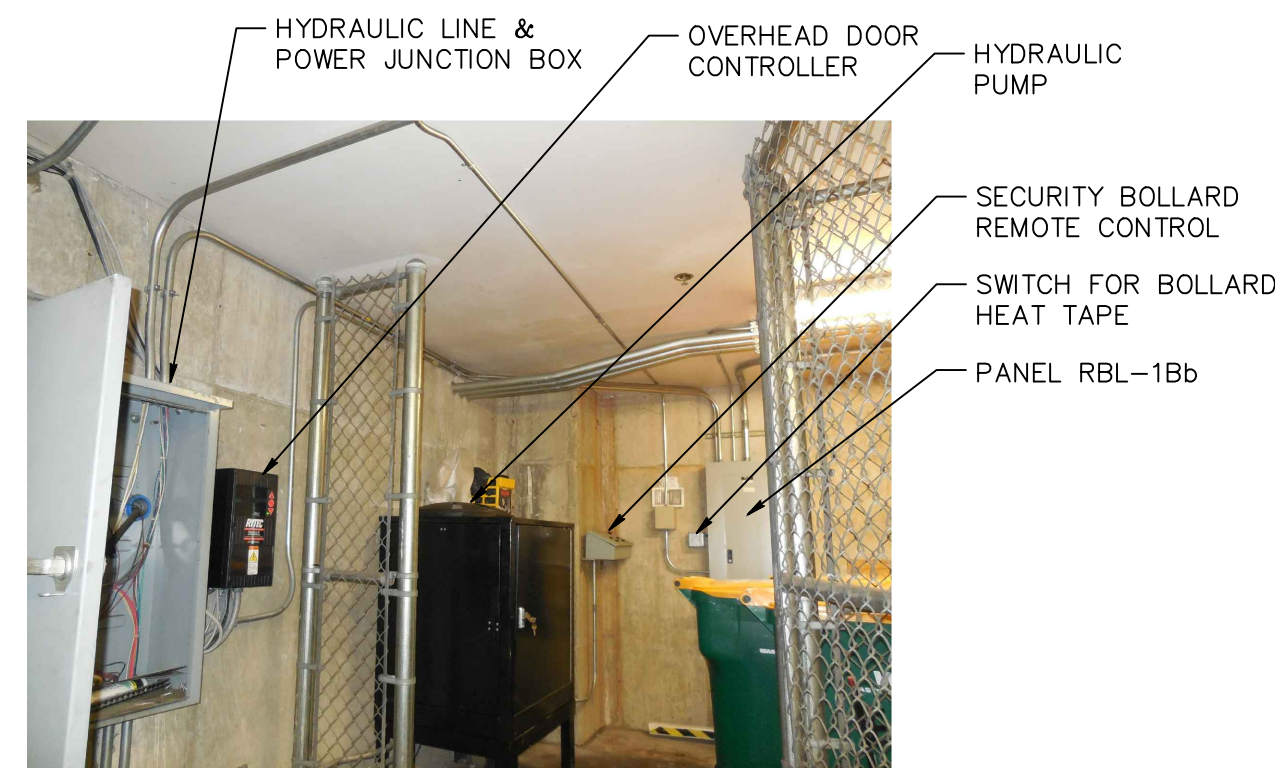
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE BUILDING AND SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS, VERIFY SIZE, LOCATION, AND USAGE OF UTILITIES AND EQUIPMENT PRIOR TO CONSTRUCTION.
- ALL EQUIPMENT REMOVED FOR RELOCATION SHALL BE REMOVED IN SUCH A MANNER THAT REUSE IS POSSIBLE.
- PATCH ALL OPENINGS IN WALLS, FLOORS, AND CEILINGS WHERE REMOVAL OF EQUIPMENT OR DEVICES CREATES SUCH OPENINGS. PATCH OPENINGS TO MATCH EXISTING.
- IF PORTIONS OF CIRCUITS SERVING EQUIPMENT TO REMAIN MUST BE RELOCATED OR REMOVED DUE TO INTERFERENCE WITH NEW EQUIPMENT INSTALLATION, THE CIRCUITS SHALL BE MODIFIED IN SUCH A MANNER WHICH WILL ENSURE THE PROPER OPERATION OF THE EQUIPMENT AFTER CONSTRUCTION IS COMPLETE. USE THE SAME TYPE OF CONDUCTOR AND SAME CONDUIT SIZE AS EXISTING TO MAKE ALL REQUIRED MODIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED FOR THE INSTALLATION OF NEW WORK, WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- ALL CONDUIT RUNS TO REMOVED EQUIPMENT OR DEVICES SHALL BE COMPLETELY REMOVED BACK TO SOURCE, INCLUDING ALL HANGERS, BEAM CLAMPS, MISCELLANEOUS SUPPORTS, AND WIRING.
- COORDINATE CONDUIT ROUTING WITH EXISTING EQUIPMENT TO AVOID CONFLICTS WITH EQUIPMENT AND EQUIPMENT CLEARANCE.
- SEAL AROUND ALL WALL PENETRATIONS WITH FIRE STOPPING.
- BRANCH CIRCUIT NEUTRAL CONDUCTORS SHALL NOT BE SHARED WITH ANOTHER CIRCUIT.
- EACH BRANCH CIRCUIT SHALL BE EQUIPPED WITH A GREEN EQUIPMENT GROUNDING CONDUCTOR.

DEMOLITION NOTES:

- DISCONNECT AND REMOVE POWER TO GATE ARM EQUIPMENT.
- EXISTING CONDUITS FOR POWER AND COMMUNICATIONS TO GUARD SHACK; (1) 2" FOR POWER AND (2) 2" FOR COMMUNICATIONS. DO NOT DISTURB CONDUITS.
- DISCONNECT AND REMOVE POWER SERVING SUMP PUMP.
- REMOVE PULL BOX AND ASSOCIATED CONDUIT AND WIRING.
- DISCONNECT AND REMOVE POWER TO EQUIPMENT.
- DISCONNECT POWER FROM PEDESTAL, DISCONNECTION AND REMOVAL OF SECURITY SYSTEM DEVICES AND CABLING SHALL BE BY GOVERNMENT SECURITY VENDOR.
- REMOVE PEDESTAL AFTER GOVERNMENT VENDOR REMOVES SECURITY DEVICES AND CABLING.
- DISCONNECT AND REMOVE SWITCH AND ASSOCIATED WIRING AND RACEWAYS FOR BOLLARD HEAT TAPE.
- DISCONNECT AND REMOVE HYDRAULIC BOLLARD REMOTE CONTROL STATION AND ASSOCIATED WIRING AND RACEWAYS AT THIS LOCATION AND IN THE SECURITY CONTROL ROOM.
- REMOVE GUARD SHACK FLOOD LIGHTING FIXTURE FOR REPLACEMENT, CIRCUIT TO REMAIN FOR REUSE. SEE EP102 FOR ADDITIONAL INFORMATION.



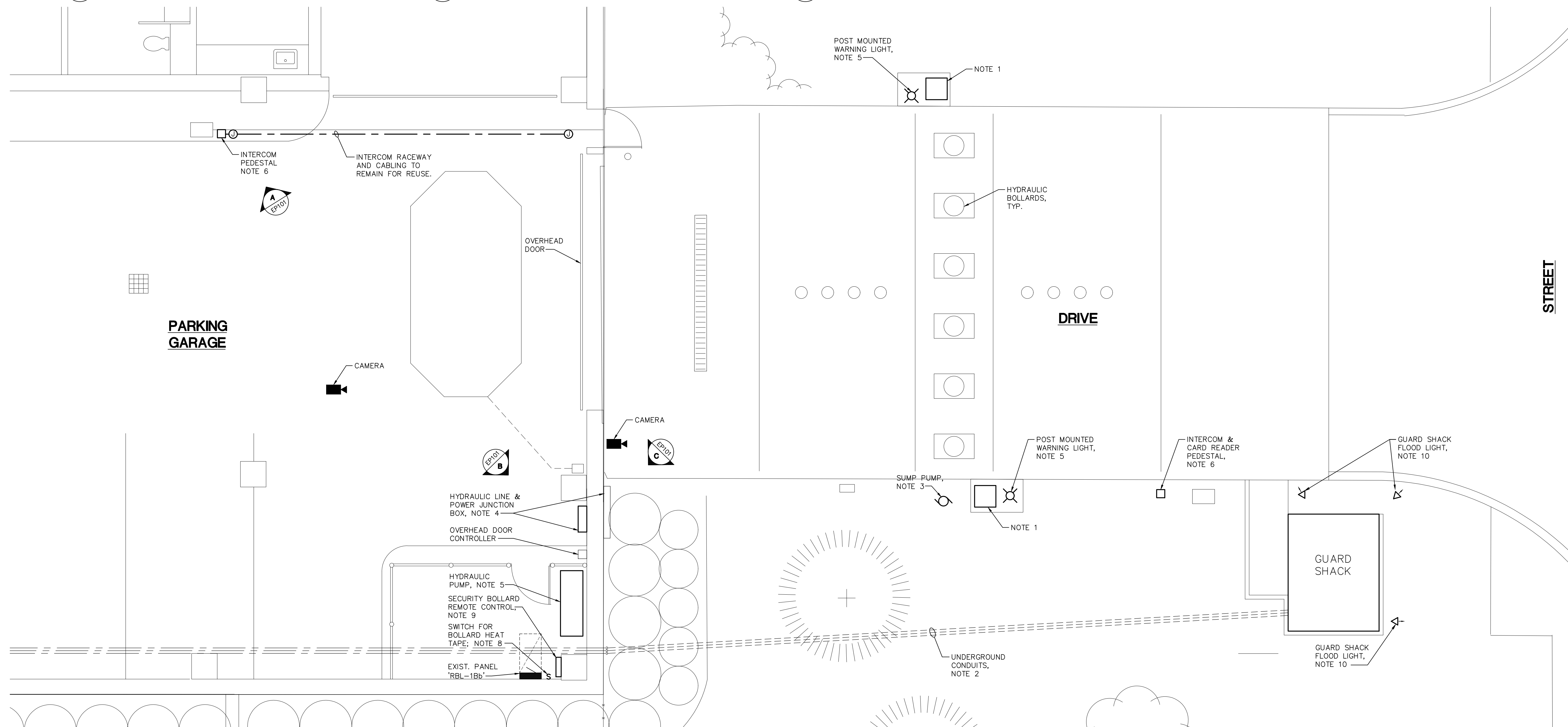
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SCALE: NONE



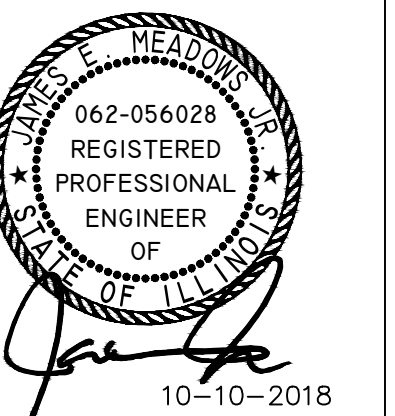
B PHOTO
SCALE: NONE



C PHOTO
SCALE: NONE



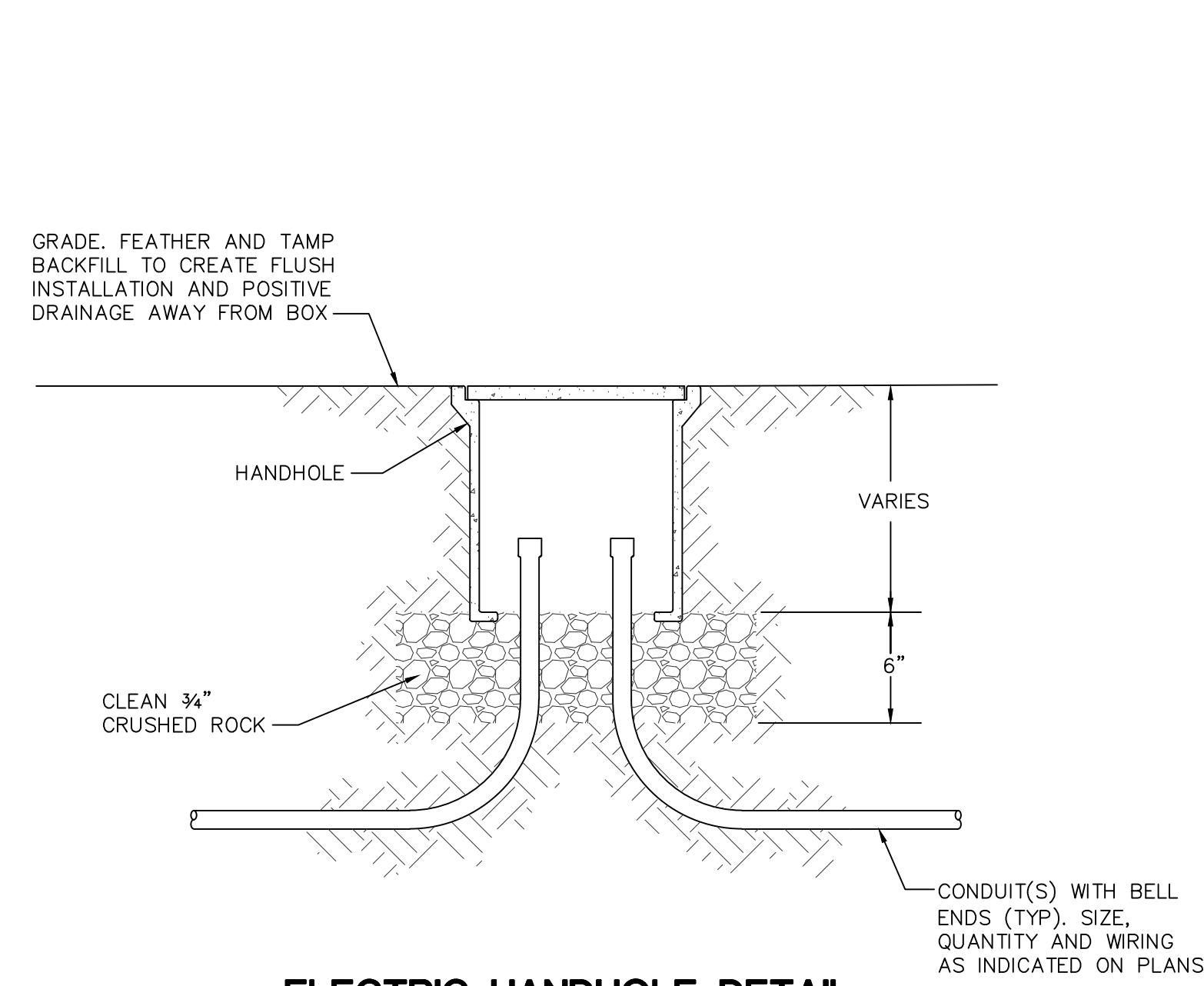
ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



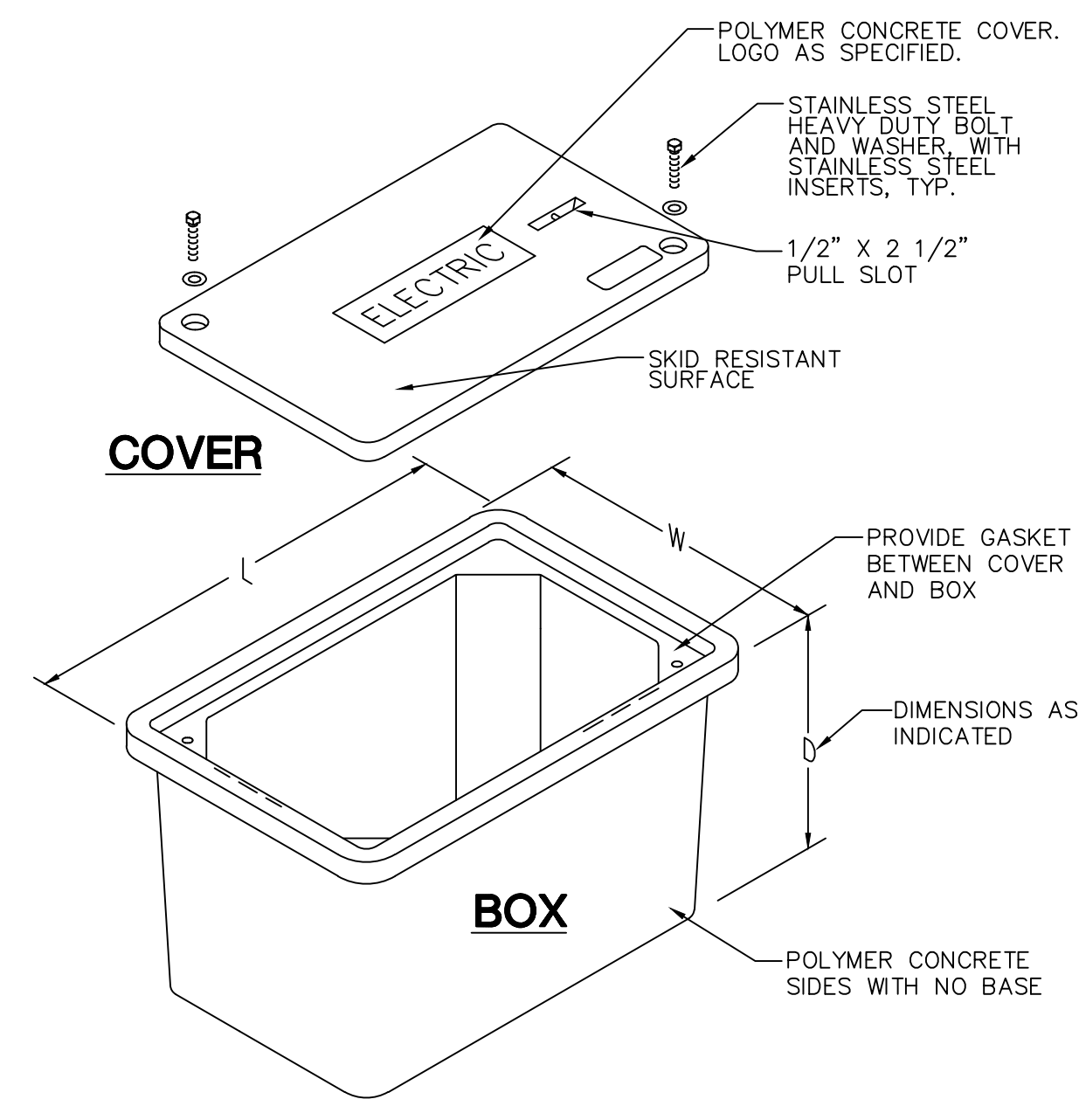
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A/E TASK NO.	47PF-0018F-0230
CONS. CONTR.	
CONS. WORK	
PRIME A/E	GUIDON BCCLT JV LLC
SUB A/E	
CONSTR. CON.	

CONTRACTOR INFO		
MARK	DESCRIPTION	DATE
	REVISION	

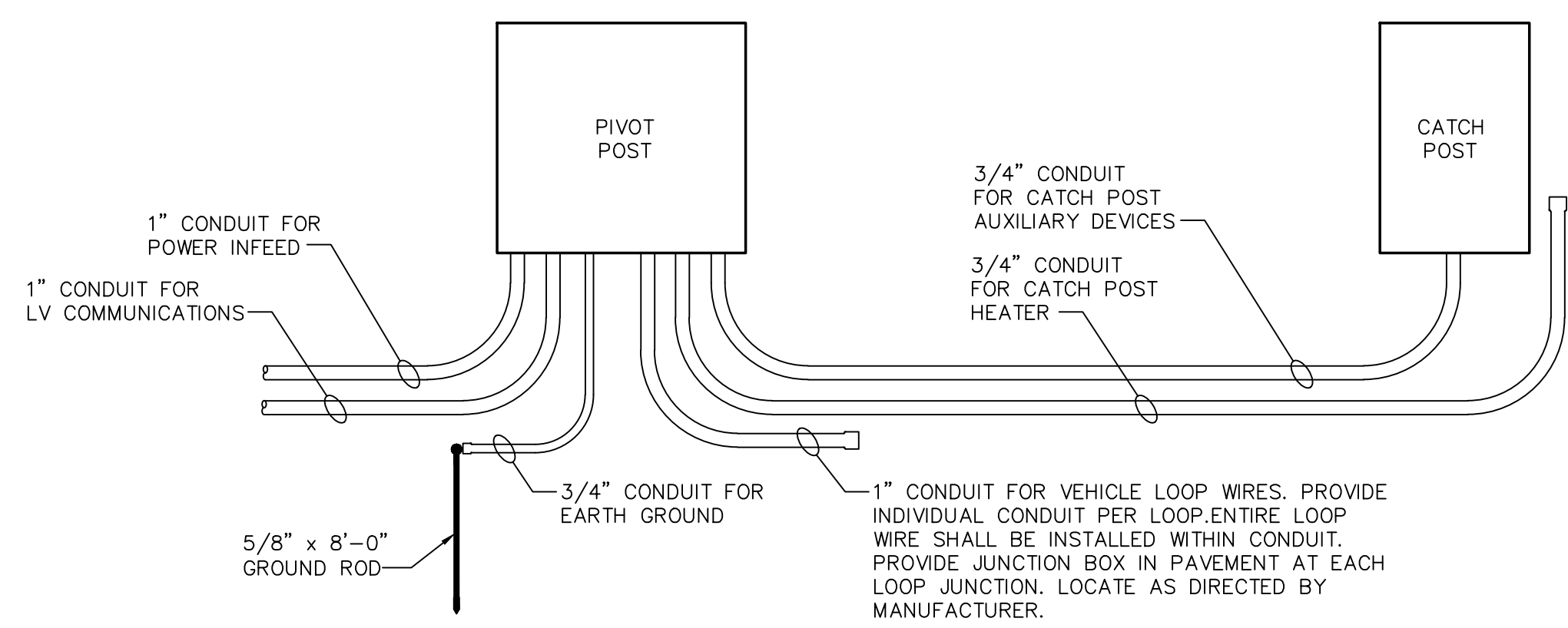
GENERAL SERVICES ADMINISTRATION			
BLDG. NAME	MELVIN-PRICE FEDERAL BUILDING		
STREET	750 EAST MISSOURI AVE.		
CITY/ST./ZIP	EAST SAINT LOUIS	IL	62201
PROJ. DESC.	GSA SECURITY UPGRADE	SHEET SIZE	30x42
GSA PM	BRETT ETLING	DATE	10-10-2018
TITLE	ELECTRICAL LEGEND & DEMOLITION PLAN	PREP BY	JEM
FLOOR NO.	L1	DISCIPLINE	ELEC
BLDG. NO.	11030YES	SHEET NO.	10
DRAWING NO.	EP101		
SHEET	10	OF	12



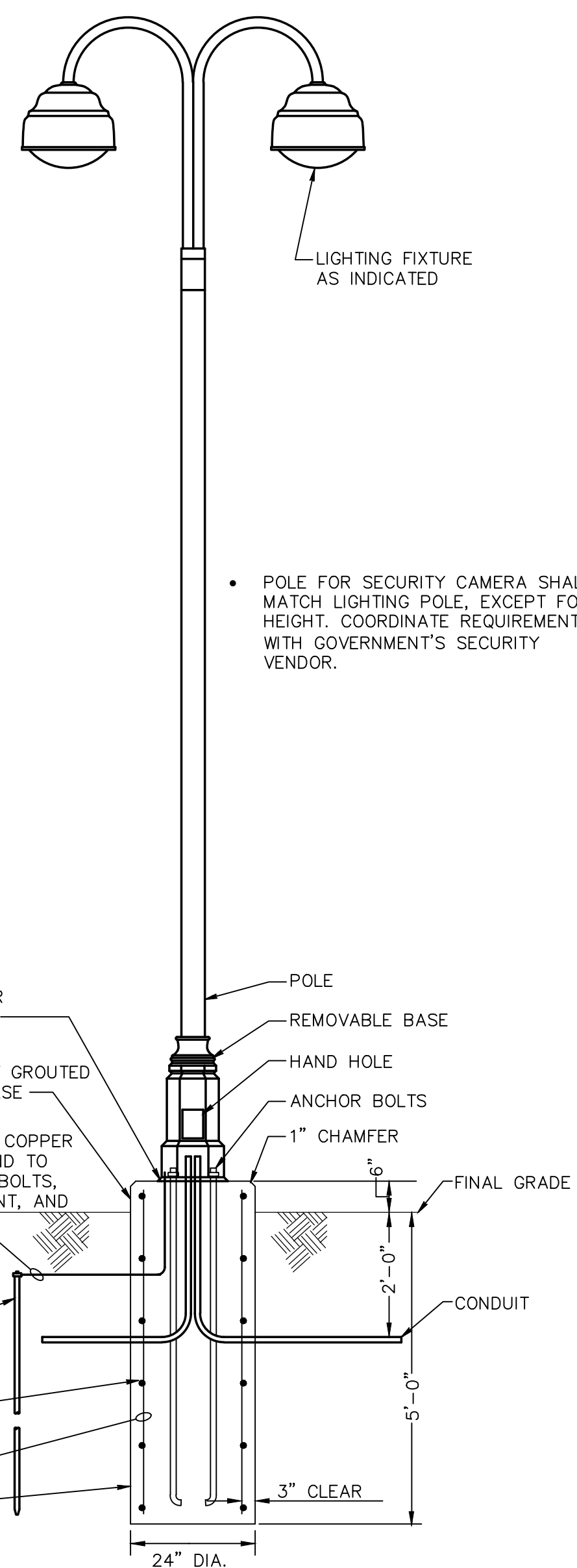
**1 ELECTRIC HANDHOLE DETAIL
INSTALLATION IN TURF AREAS**
SCALE: NONE



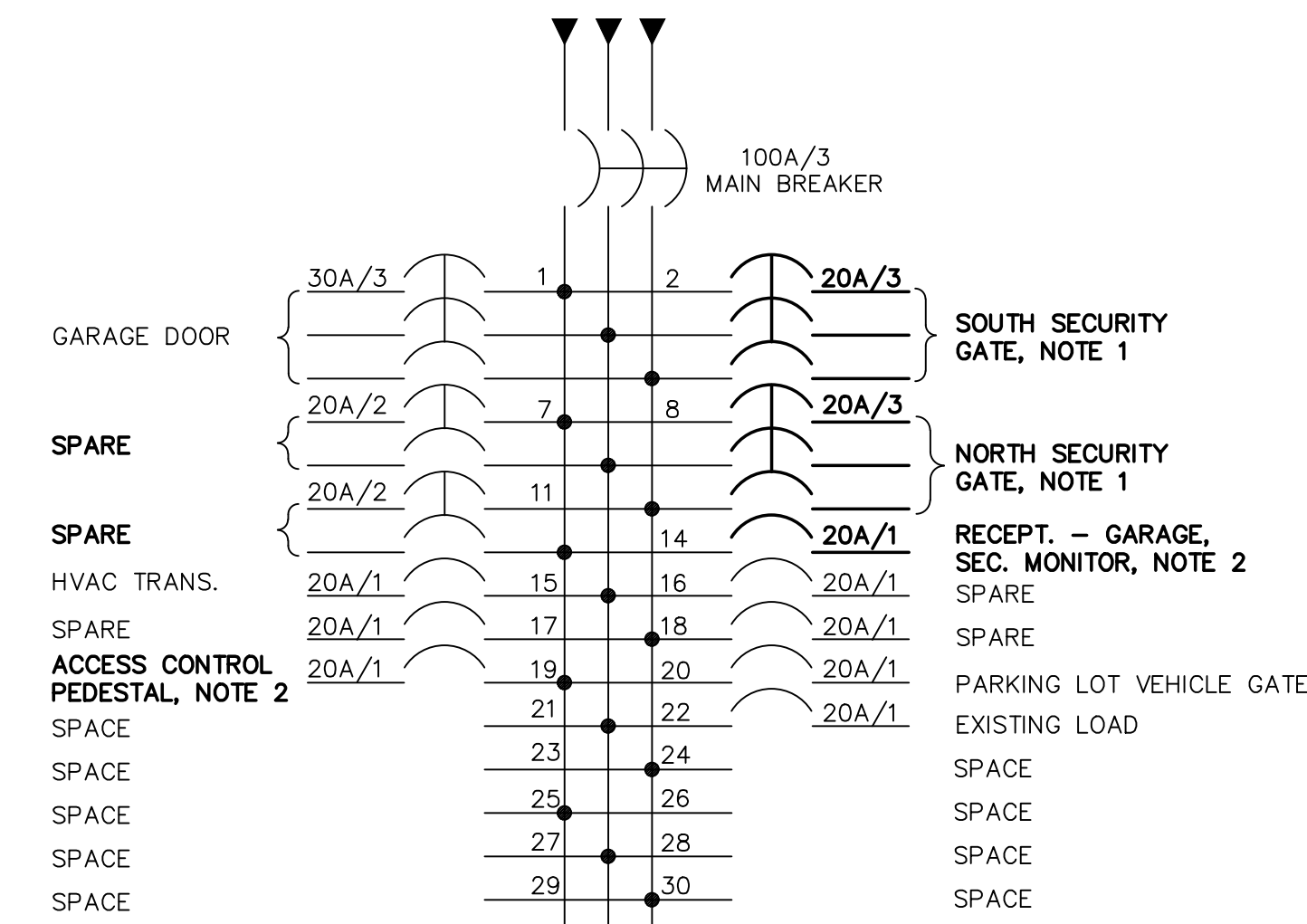
2 ELECTRIC HANDHOLE DETAIL
SCALE: NONE



3 SECURITY GATE DIAGRAM
SCALE: NONE



4 POLE BASE DETAIL
SCALE: NONE



**5 EXIST. PANEL RBL-1Bb
BUSSING DIAGRAM**
100A MAIN BREAKER
208Y/120V 3Ø, 4W, 3Ø CKT.
GENERAL ELECTRIC A SERIES, II PANEL

GENERAL ELECTRICAL NOTES:

- REFER TO GENERAL ELECTRICAL NOTES ON SHEET EP101 FOR ADDITIONAL DETAILS AND REQUIREMENTS.
- ALL CONDUITS FOR SECURITY CABLING SHALL BE PAINTED BLUE PER GOVERNMENT STANDARD.

NOTES:

- PROVIDE BREAKER.
- UTILIZE EXISTING BREAKER.

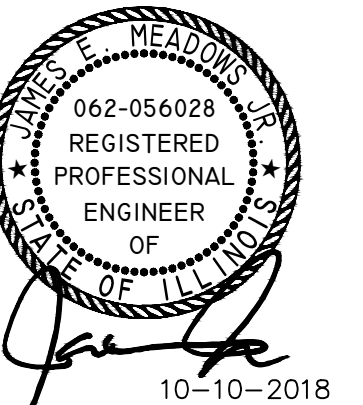
SYMBOL	DESCRIPTION	MANUFACTURER	FIXTURE SERIES	LAMP			BALLAST	FIXTURE VOLTAGE	MOUNTING
				TYPE	NO.	WATTS			
(A)	DECORATIVE SITE LIGHTING POLE WITH (2) LIGHTING FIXTURES SIMILAR TO THE EXISTING SITE POLE FIXTURES. LIGHTING FIXTURE SHALL BE ROUND, 18" DIA, WITH SAG LENS, TYPE V CUTOFF LIGHT DISTRIBUTION, CAST ALUMINUM CONSTRUCTION, STAINLESS STEEL HARDWARE, COLOR SHALL MATCH EXISTING FIXTURES. PROVIDE COMPLETE WITH FIXTURES, POLE, REINFORCED CONCRETE BASE, AND ALL REQUIRED MOUNTING ACCESSORIES. POLE SHALL BE ROUND WITH FLUTED DECORATIVE BASE. POLE HEIGHT SHALL MATCH HEIGHT OF EXISTING SITE POLE LIGHTING. PROVIDE LED RETROFIT LAMP. LAMP SHALL BE 45 WATTS, 5800 LUMENS, WESTINGHOUSE T30 HIGH LUMEN LED LAMP. VERIFY PHYSICAL DIMENSIONS OF LAMP AND FIXTURE. LAMP SHALL FIT WITHIN FIXTURE HOUSING. MODIFY THE FIXTURE TO ACCEPT LED REPLACEMENT LAMP.	ARCHITECTURAL AREA LIGHTING	LIGHT: PRM3 V5 250PSMH AGN SLA7-2 PROVIDE WITH MOGUL BASE TO MATCH BASE OF PROVIDED LED RETROFIT LAMP POLE: DB9 4F14-188 14'	METAL HALIDE	1	250	HIGH POWER FACTOR	120/208 (MATCH EXISTING CIRCUIT VOLTAGE)	POLE
(B)	3" LED HARDSCAPE LIGHTING FIXTURE (OVERALL 4.5" L x 3" W x 1" D) WITH TRANSLUCENT DIFFUSER, STAINLESS STEEL TAMPER RESISTANT SCREWS, IP66 RATED, AND ALUMINUM HOUSING WITH GRAPHITE COLOR. PROVIDE WITH ASSOCIATED STEP DOWN TRANSFORMER. TRANSFORMER SHALL BE IP65 RATED FOR OUTDOOR MOUNTING AND INTEGRAL ELECTRONIC TIMER. TRANSFORMER SHALL BE HARDWIRED.	WAC LIGHTING	LIGHT: 7031 30 GH TRANSFORMER: 9075-TRN-SS	LED	---	1.4	HIGH POWER FACTOR	120	SURFACE
(C)	9" W x 7.75" H x 3" D LED FLOOD LIGHT WITH DIE-CAST ALUMINUM BLACK HOUSING, MEDIUM FLOOD LIGHT DISTRIBUTION, ADJUSTABLE KNUCKLE FOR AIMING, CLEAR TEMPERED GLASS LENS, AND VANDAL GUARD.	LITHONIA	DSXF1 LED P1 40K MFL VG	LED	---	21	HIGH POWER FACTOR	120	SURFACE

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A/E CON. NO.	GS-05-P-17-SC-D-0001
A/E TASK NO.	47PF-0018F-0230
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CONSTR. WORK	
PRIME A/E	GUIDON BCCLT JV LLC
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TITLE	ELECTRICAL DETAILS
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DISCIPLINE	ELEC
BLDG. NO.	IL030YES
DRIVING NO.	EP103
SHEET	12 OF 12