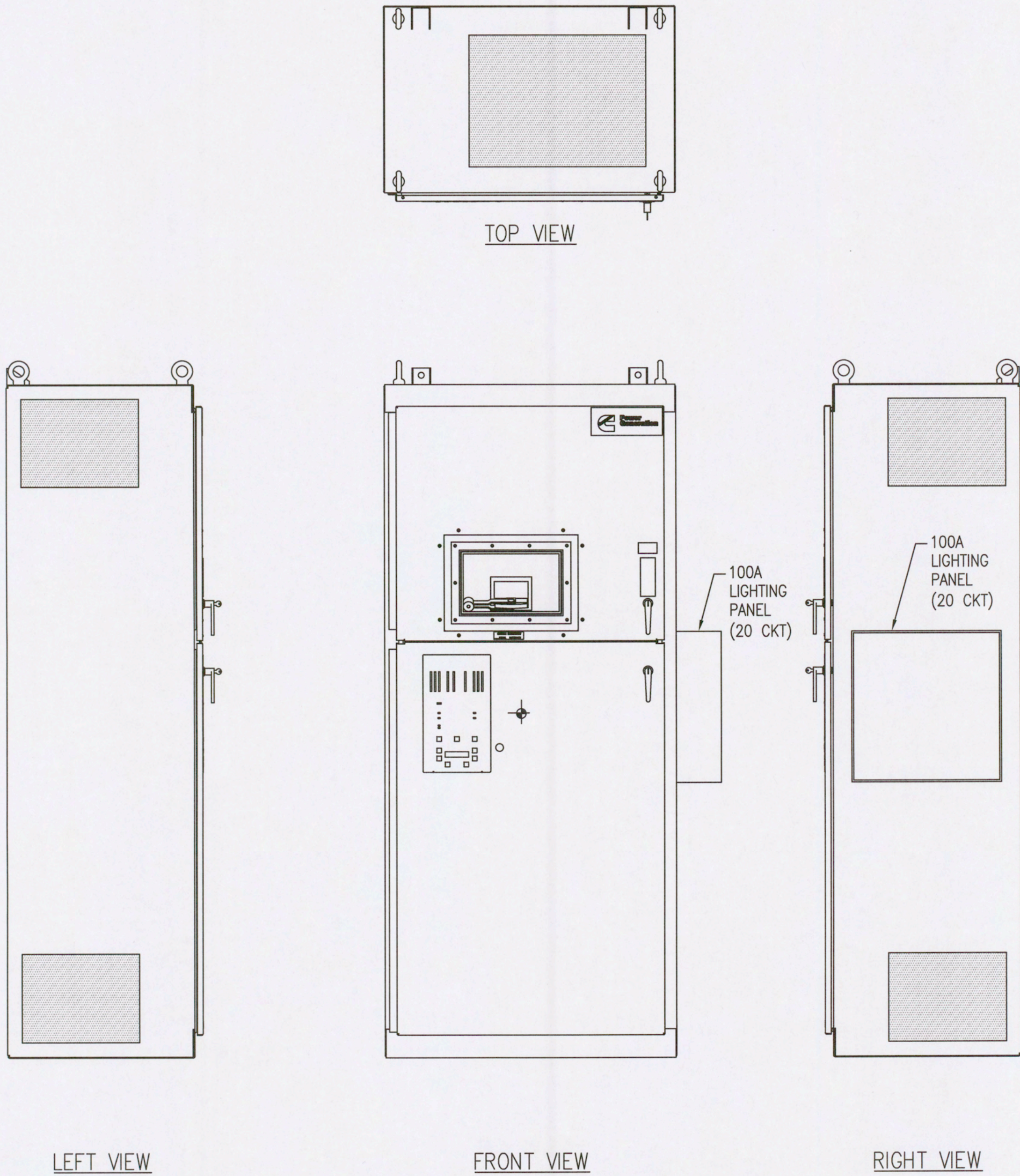


T: \\140483-010\CAD\GENERAL\140483AREA.DWG	
LAYOUT: TRANSFER SWITCH ELEVATION	DATE: 1/27/2015
XREF DWG1: NONE	
XREF DWG3: NONE	

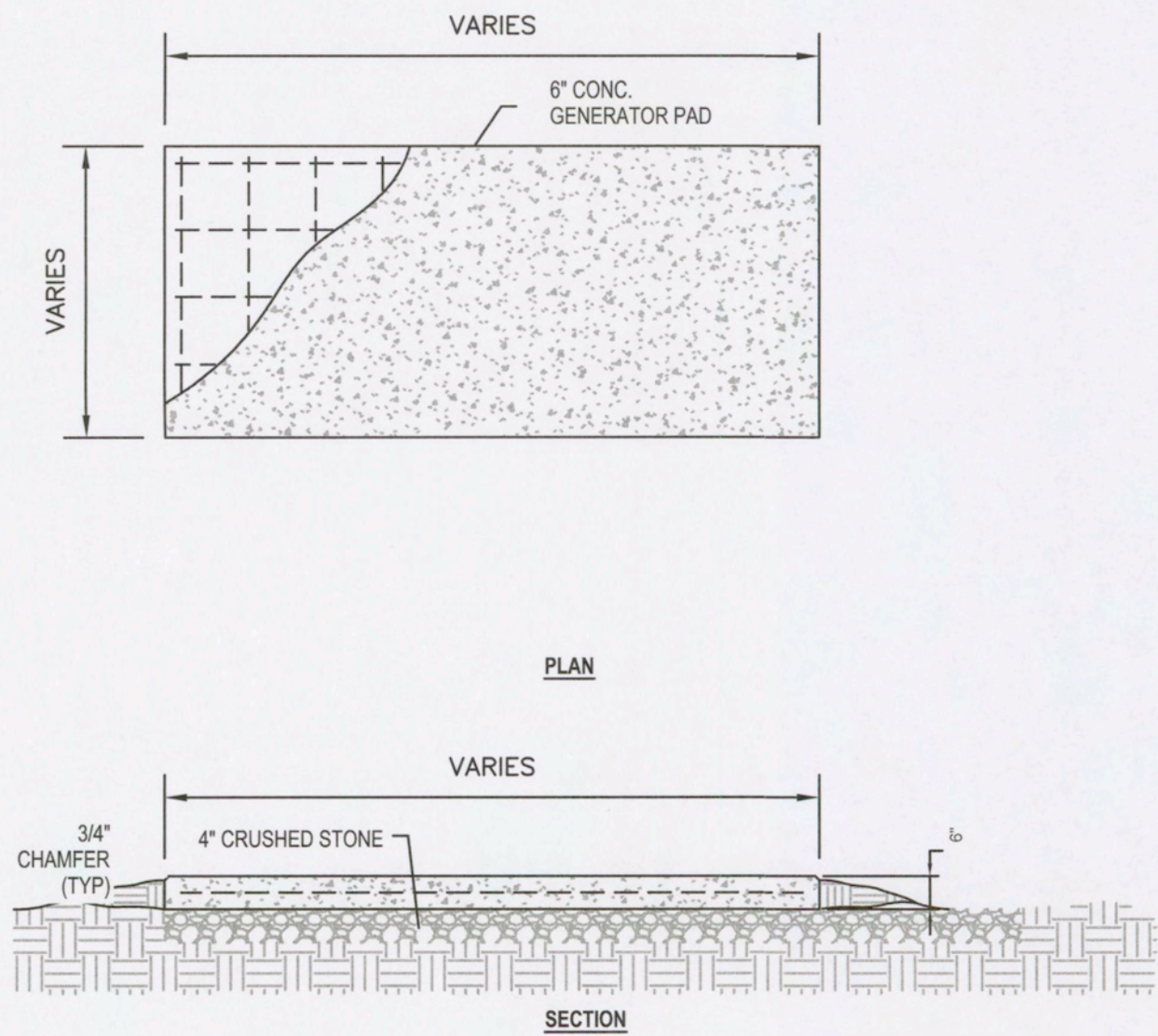


TRANSFER SWITCH ELEVATION
SCALE: 1"=1'-0"

- NOTE:
- REFER TO CABLE AND CONDUIT SCHEDULE.
 - CONDUIT LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURERS DRAWINGS FOR EXACT LOCATIONS.

MoDOT NW District Office Backup Generator		SHAHER, KLINE & WARREN, INC.		Designed By: VM		5			
ST. JOSEPH MO		1700 Swift, Suite 100, North Kansas City, MO 64116-3821		Drawn By: JOU		4			
TRANSFER SWITCH ELEVATION		816/756-0444 FAX: 816/756-1763		Checked By: DD		3			
		OFFICE LOCATIONS:		Issue Date: 1/27/15		2	1/27/15	ISSUED FOR BID	JOU
		Columbia, MO Houston, TX Lenexa, KS		12/12/14		1	12/12/14	ISSUED FOR REVIEW	JOU
		Macon, MO North Kansas City, MO Tulsa, OK		REVISIONS		NO.		DATE	BY
		CIVIL ENGINEERS ELECTRICAL ENGINEERS MECHANICAL ENGINEERS STRUCTURAL ENGINEERS LANDSCAPE ARCHITECTS LAND SURVEYORS LAND PLANNERS							APP'D
		COPYRIGHT © - 2014 - SHAHER, KLINE & WARREN INC.							

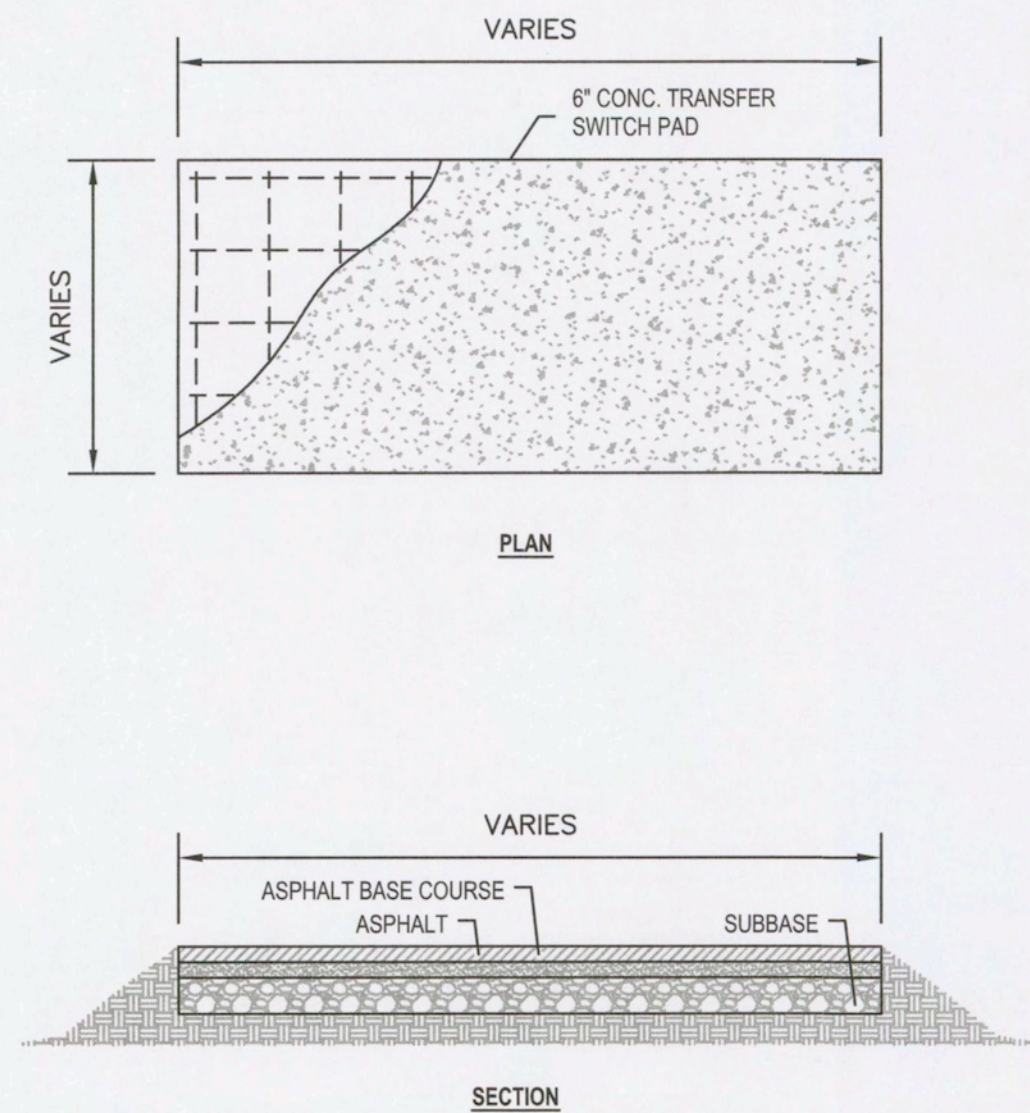
T: \\140483-010\CAD\GENERAL\140483AREA.DWG	
LAYOUT: TRENCH DETAILS	BY: JOJOHNSON
XREF DWG1: NONE	XREF DWG2: NONE
XREF DWG3: NONE	XREF DWG4: NONE
DATE: 1/27/2015	



NOTE:
CONTRACTOR SHALL OVER EXCAVATE ANY DISTURBED SOIL/SOD AND SHALL BACKFILL WITH 4" TOPSOIL, RAKE TO LEVEL WITH CHAMFER AND SHALL SEED WITH 5#/1000 SF SEED SHALL BE K-31 FESCUE OR OTHER BLEND ZONED FOR THIS CLIMATE. PAD SHOULD EXTEND 6" BEYOND EQUIPMENT EDGES.

GENERAL CONCRETE NOTES
- A558-1-2-0.421 MIX DESIGN
- f'c = 4000 PSI
- 6x6 - 2x2 WWM
- fy = 65 KSI

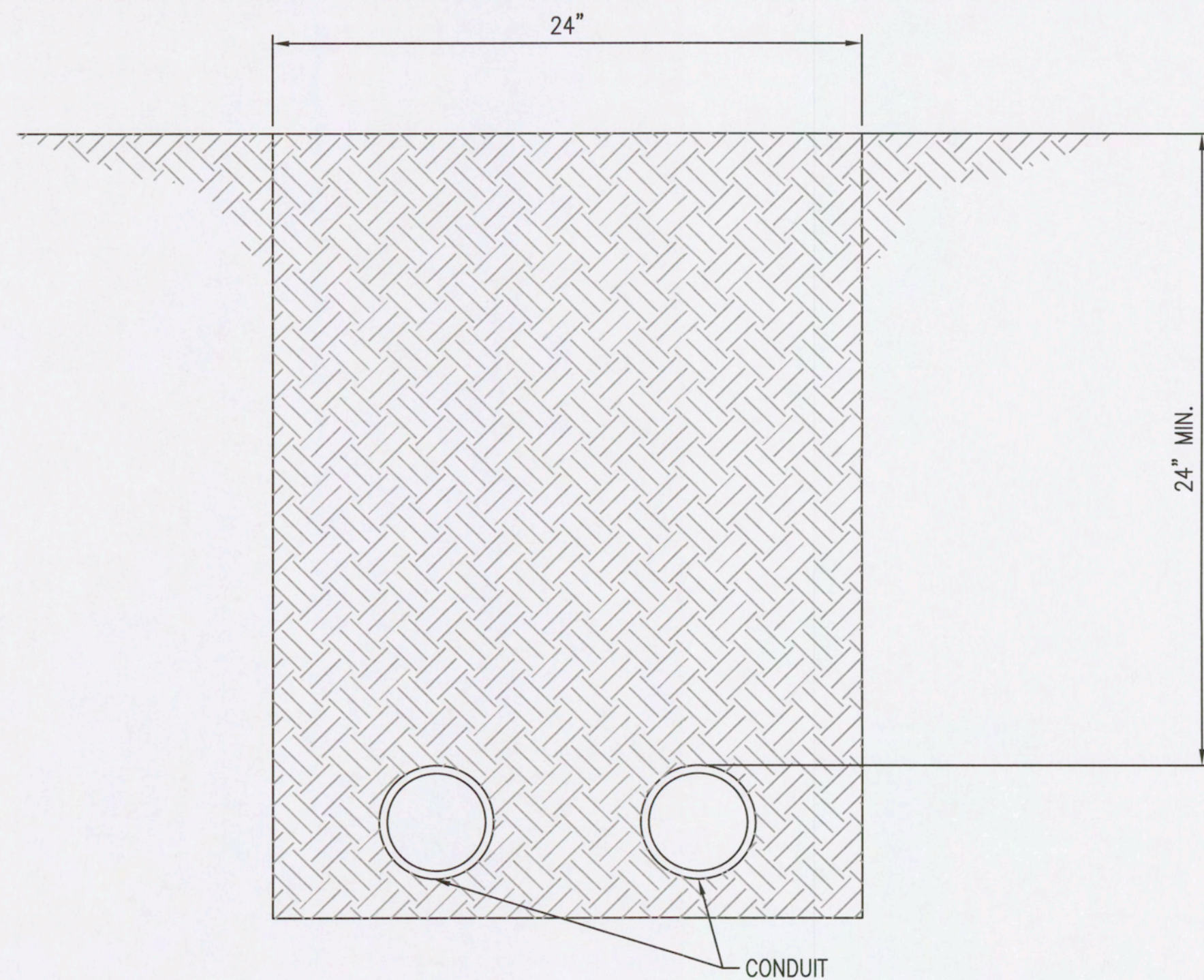
GENERATOR PAD DETAIL
N.T.S.



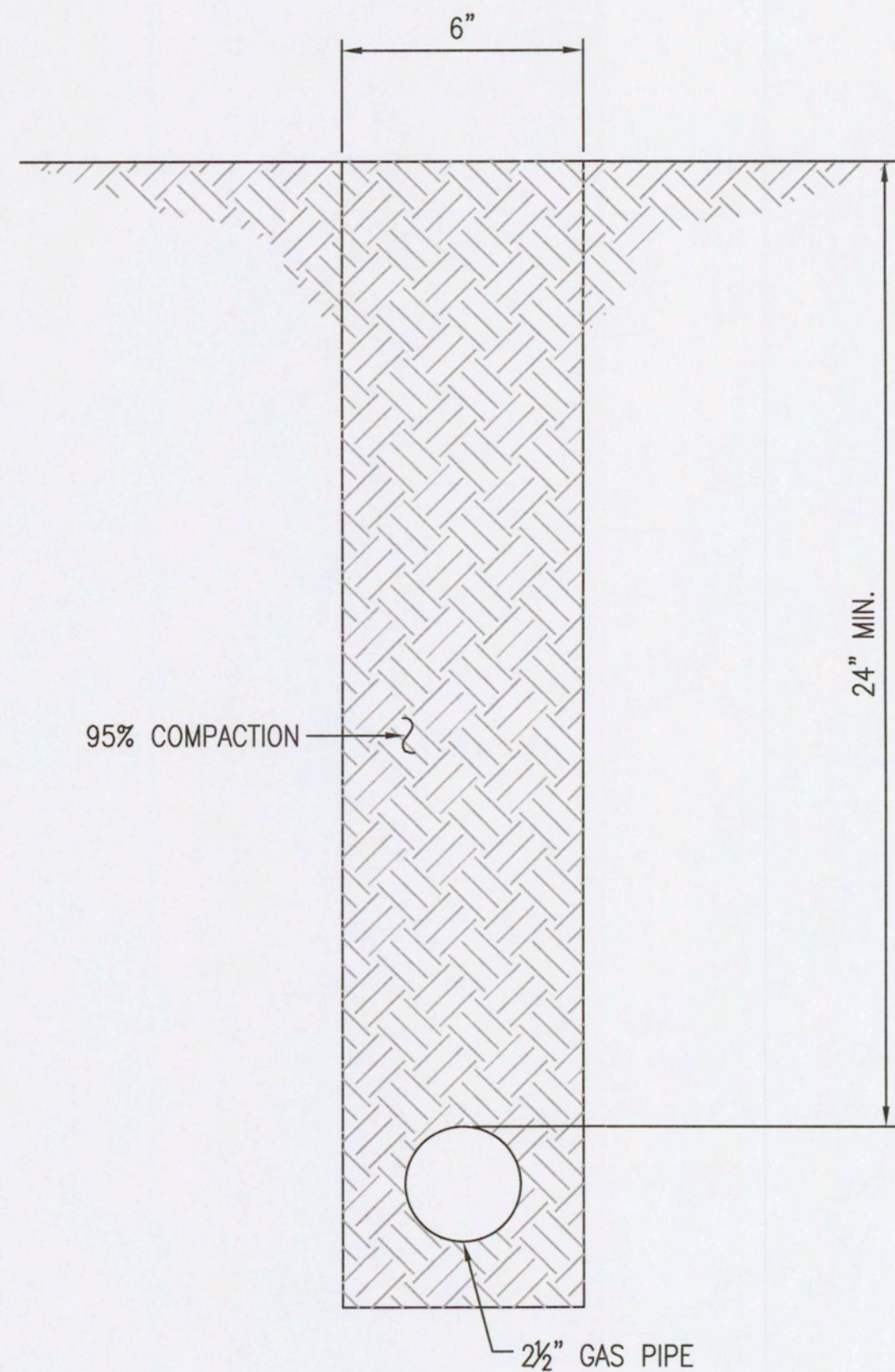
NOTE:
PAD SHOULD EXTEND 6" BEYOND EQUIPMENT EDGES.

GENERAL CONCRETE NOTES
- A558-1-2-0.421 MIX DESIGN
- f'c = 4000 PSI
- 6x6 - 2x2 WWM
- fy = 65 KSI

TRANSFER SWITCH & SWITCHBOARD PAD
DETAIL
N.T.S.



ELECTRICAL TRENCH DETAIL
N.T.S.

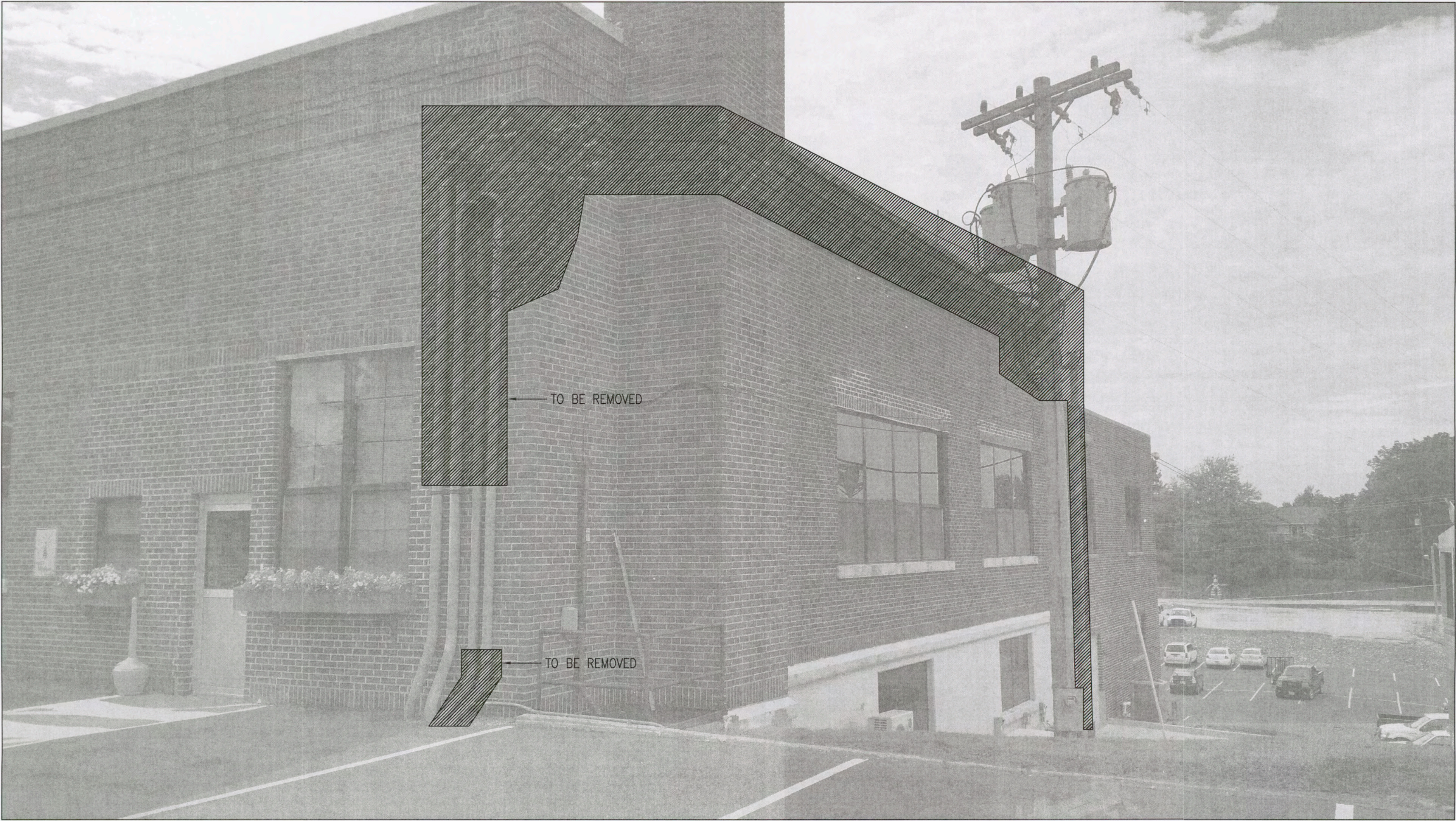


TRENCH DETAIL
N.T.S.

- NOTE:
1. INSTALL BURIED ELECTRICAL LINE WARNING TAPE 12" ABOVE ELECTRICAL CONDUITS.
 2. INSTALL BURIED GAS LINE WARNING TAPE 12" ABOVE GAS LINE.

MoDOT NW Distict Office Backup Generator ST. JOSEPH MO		140483-010	
TRENCH DETAILS		SHEET NO. 5 OF 6	
		SHAHER, KLINE & WARREN, INC. 1700 Swift, Suite 100, North Kansas City, MO 64116-3821 816/756-0444 FAX: 816/756-1763	
OFFICE LOCATIONS: Columbia, MO Houston, TX Lenexa, KS Macon, MO North Kansas City, MO Tulsa, OK		DESIGNED BY: VM DRAWN BY: JQJ CHECKED BY: DD ISSUE DATE: 1/27/15	
CIVIL ENGINEERS ELECTRICAL ENGINEERS MECHANICAL ENGINEERS STRUCTURAL ENGINEERS LANDSCAPE ARCHITECTS LAND SURVEYORS LAND PLANNERS			
		5	
		4	
		3	
		2 1/27/15 ISSUED FOR BID	
		1 12/12/14 ISSUED FOR REVIEW	
		NO. DATE REVISIONS	
		BY APP'D	
		COPYRIGHT © - 2014 -SHAHER, KLINE & WARREN INC.	

T: \\140483-010\CAD\GENERAL\140483AREAD.WG	DATE: 1/27/2015
LAYOUT: DEMOLITION PLAN	BY: JOJOHNSON
XREF DWG1: NONE	XREF DWG2: NONE
XREF DWG3: NONE	XREF DWG4: NONE



DEMOLITION
N.T.S.

DEMOLITION NOTES:

1. CONTRACTOR TO REMOVE ALL LOW VOLTAGE OVERHEAD LINES.
2. CONTRACTOR TO CAP ANY UNUSED CONDUITS ENTERING GENERAL SERVICES BUILDING.
3. CONTRACTOR TO REMOVE WIRE AND CONDUIT FROM EXISTING GENERAL SERVICES BUILDING GENERATOR TO BREAKER PANEL/TRANSFER SWITCH.
4. CONTRACTOR TO REMOVE ALL SCRAP MATERIALS FROM SITE.
5. CONTRACTOR HAS SALVAGE RIGHTS TO ALL REMOVED WIRE.

MoDOT NW District Office Backup Generator		SHAHER, KLINE & WARREN, INC. 1700 Swift, Suite 100, North Kansas City, MO 64116-3821 816/756-0444 FAX: 816/756-1763		5	
ST. JOSEPH MO		OFFICE LOCATIONS: Columbia, MO Houston, TX Lenexa, KS Macon, MO North Kansas City, MO Tulsa, OK		4	
DEMOLITION PLAN		CIVIL ENGINEERS ELECTRICAL ENGINEERS MECHANICAL ENGINEERS STRUCTURAL ENGINEERS LANDSCAPE ARCHITECTS LAND SURVEYORS LAND PLANNERS		3	
		DESIGNED BY: VM		2	
		DRAWN BY: JOU		1	
		CHECKED BY: DD		NO. DATE	
		ISSUE DATE: 1/27/15		REVISIONS	
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