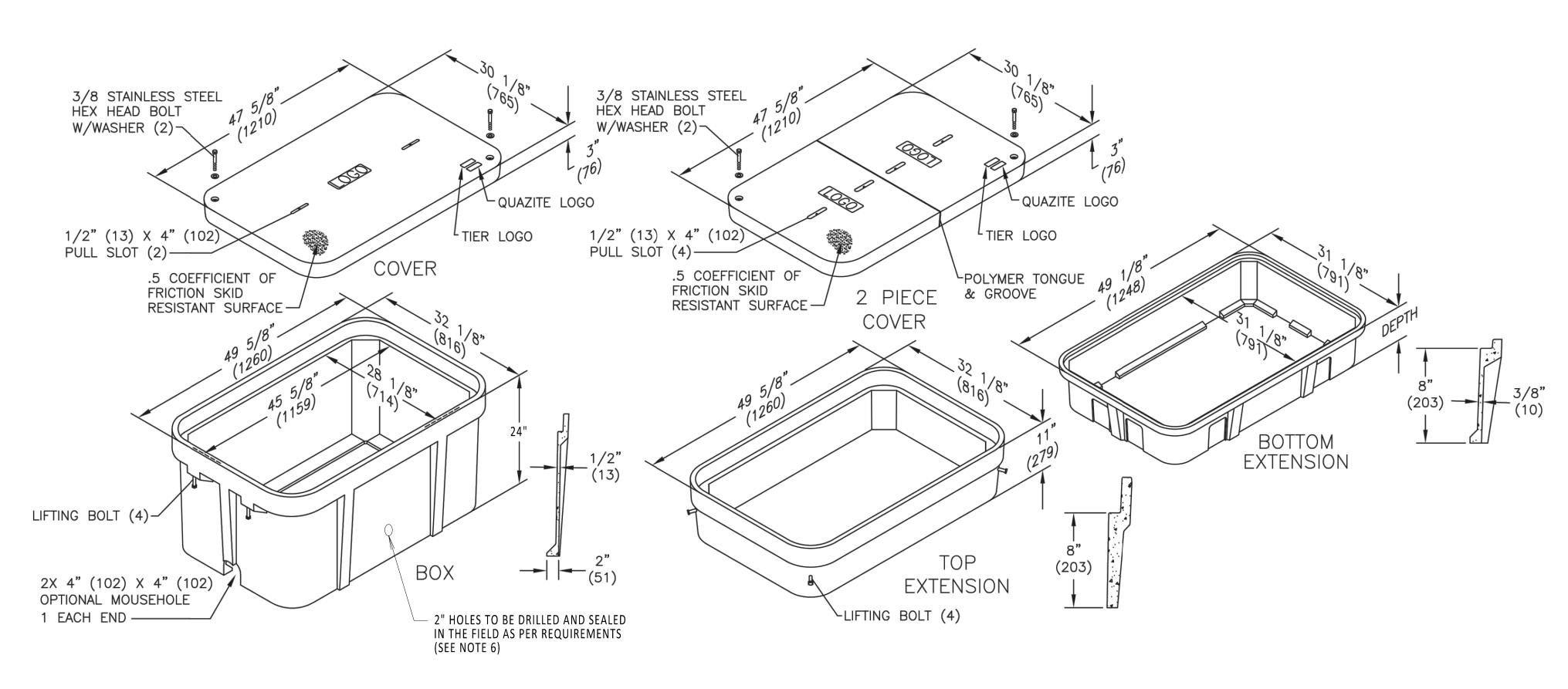


HAND HOLE TOP VIEW NOT TO SCALE

- 1. FIBER OPTIC COIL TO BE PLACED IN BOTTOM OF HAND HOLE. OBSERVE MINIMUM BEND RADIUS.
- 2. SPLICE ALL FIBERS STRAIGHT THROUGH.
- 3. FIBER OPTIC SPLICE CLOSURE ONLY AT SPECIFIC LOCATIONS. SEE PLAN AND PROFILE FOR DETAILS.
- 4. GROUNDING REQUIREMENTS TO BE DETERMINED.
- 5. HAND HOLE AT ALL OPEN SPLICE LOCATIONS. SEE REFERENCE DOCUMENTS 1 AND 2 FOR DETAILS ON HAND HOLE PLACEMENT IN OPEN PIT.
- 6. DRILLED HOLES ARE INTENDED TO ROUTE FIBER OPTIC CONDUIT AND CAN BE DRILLED AND SEALED ON ANY SIDE OF HAND HOLE AS REQUIRED BY THE FIELD.

REFERENCE I	DOCUMENTS
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LIST NO.	DOCUMENT NAME	DOCUMENT NO.
1	TYPICAL OPEN PIT SPLICE DETAILS	C-808
2	OPEN VAULT w/FIBER OPTIC HAND HOLE	C-853
3	FIBER OPTIC SPLICE DETAILS	C-855
4	HUBBELL QUAZITE (HAND HOLE)	MODEL NO. PG3048BA24



ISOMETRIC VIEW NOT TO SCALE







IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY
ARE ACTING UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT
OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN
I ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS
ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE
ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMEN
AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY
THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A
SPECIFIC DESCRIPTION OF THE ALTERATION.

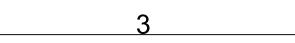
					CHAMPLAIN HUDSON POWER EX
					OTIVITY EXTENDED ON TO OWNER EX
					FIDED ODTIC HAND HOLE DETAIL (
					FIBER OPTIC HAND HOLE DETAILS
0	06/08/2023	ISSUED FOR CONSTRUCTION SUBMISSION	DLM	ASM	
No	DATE	CURMITTAL / PEVICION DECORIDATION	DB	ADD	SCALE
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: DLM DESIGNED BY: NM APPROVED BY: MK REV. NO.

CHAMPLAIN HUDSON	POWER EXPRESS

KIEWIT PROJECT NO. CHA PROJECT NO. 066076 DRAWING NO.

C-854

DATE 0 SH.NO.

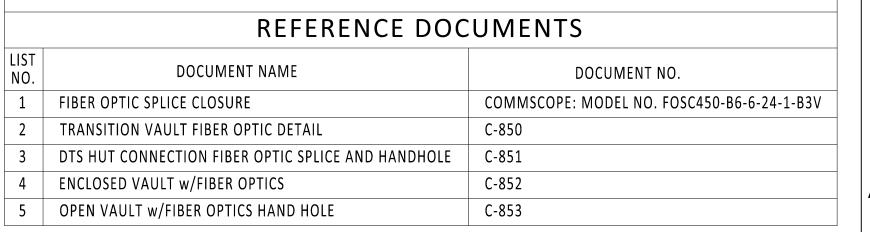


1. MAINTAIN 18" SWEEPS ON ALL CONDUITS.

2. DTS HUT FIBERS WILL SPLICE TO BLUE TUBE FIBER COLORS BLUE, ORANGE, GREEN AND BROWN.

3. SEE REFERENCE DOCUMENTS 2, 3, 4 AND 5 FOR PLACEMENT DETAILS.

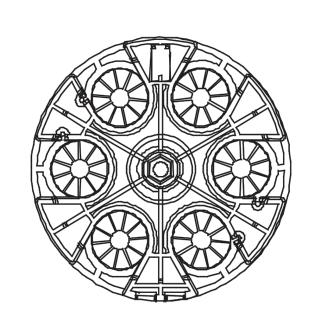
4. FIBER OPTIC SPLICE CLOSURE ONLY IN SPECIFIC LOCATIONS. SEE PLAN AND PROFILES FOR DETAILS.



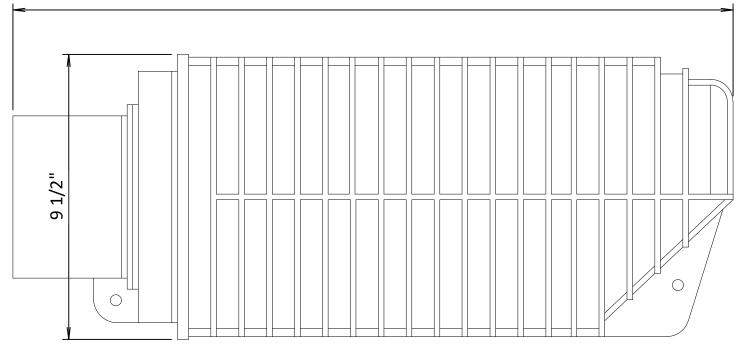


FIBER OPTIC SPLICE CLOSURE

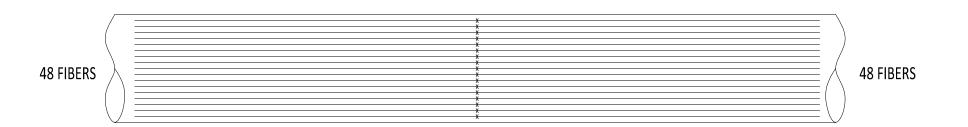
NOT TO SCALE



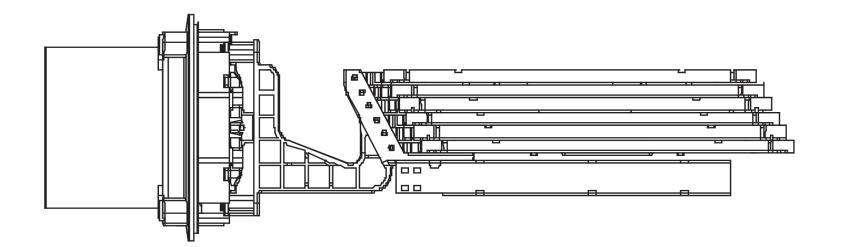
FIBER OPTIC SPLICE CLOSURE GEL-BLOCK PROFILE NOT TO SCALE



FIBER OPTIC SPLICE CLOSURE NOT TO SCALE



FIBER OPTIC CABLE SPLICE DIAGRAM TYPICAL NOT TO SCALE



FIBER OPTIC SPLICE CLOSURE INSIDE DIAGRAM NOT TO SCALE







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					-		FIBER OF	PTI	C SPLICE	DET	AILS
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:	DLM C	ESIGNED BY:	NM	APPROVED BY	: MK	REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS

CHA PROJECT NO. 066076 FIBER OPTIC SPLICE DETAILS DRAWING NO.

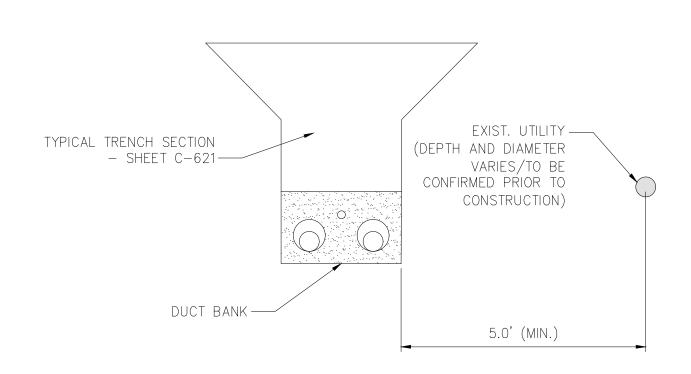
C-855

KIEWIT PROJECT NO.

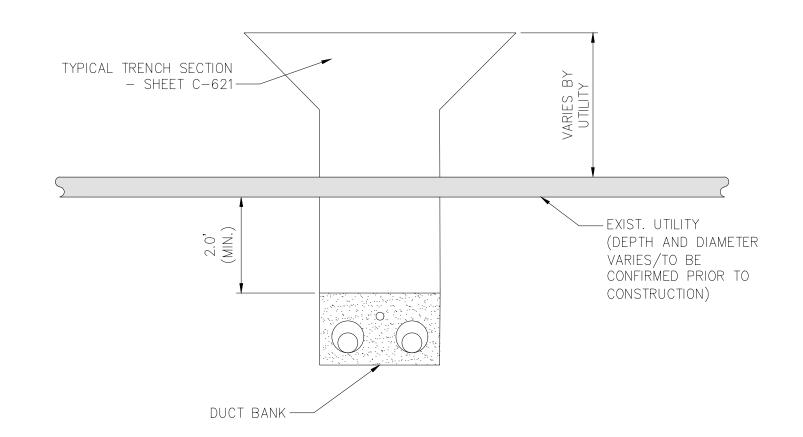
21162

NATIONAL GRID NOTES

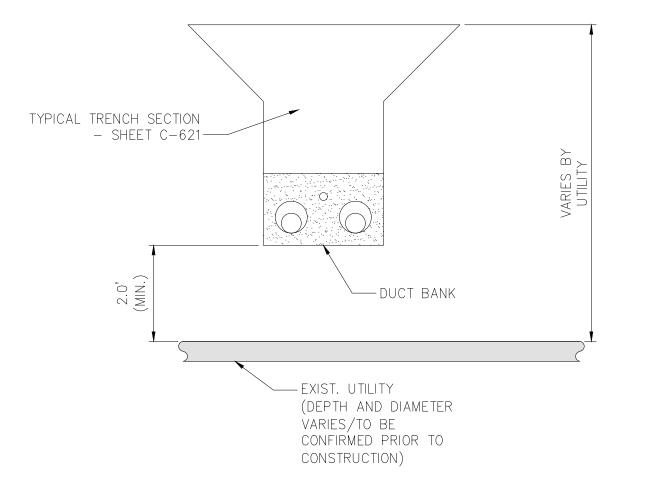
- 1. THE CONTRACTOR SHALL OBSERVE AND ABIDE BY THE APPLICABLE POWER LINE SAFETY REGULATIONS 29 C.F.R. § 1926.1406 - 1926.1411.
- 2. THE CONTRACTOR SHALL TRAIN EMPLOYEES WORKING AS DEDICATED SPOTTERS IN ACCORDANCE WITH 29 C.F.R. § 1926.1408(G)(2).
- 3. CONSTRUCTION UNDER TRANSMISSION LINES REQUIRES A DEDICATED SPOTTER, AS APPLICABLE.



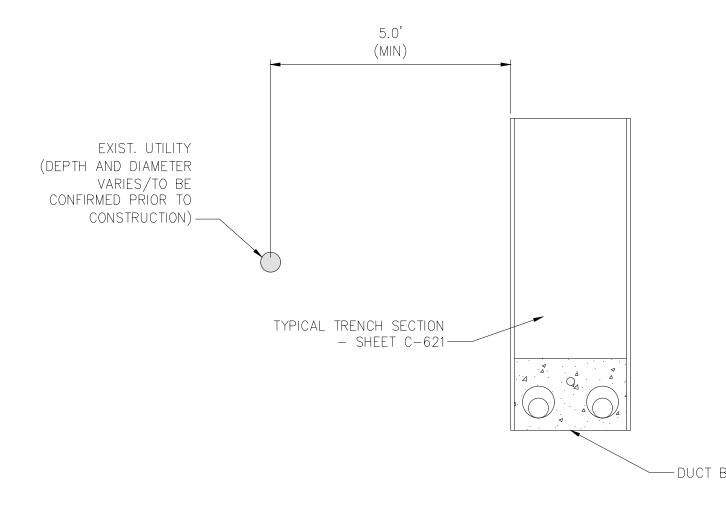
1 OPEN TRENCH - HORIZONTAL SEPARATION
NOT TO SCALE



2 OPEN TRENCH - VERTICAL SEPARATION (UNDER)
NOT TO SCALE

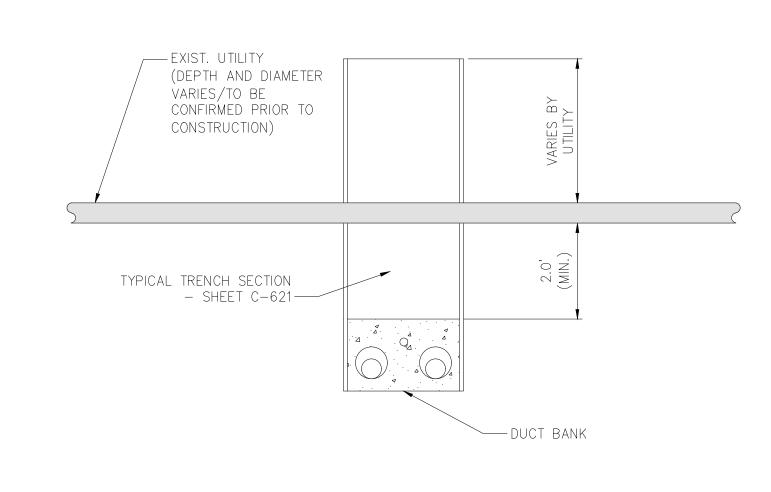


3 OPEN TRENCH - VERTICAL SEPARATION (OVER)
NOT TO SCALE

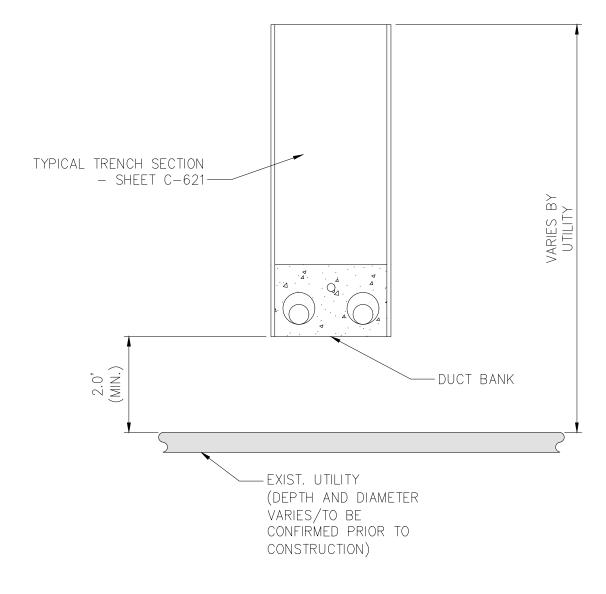


4 TYPICAL DUCTBANK IN ROADWAY - HORIZONTAL SEPARATION

NOT TO SCALE



5 TYPICAL DUCTBANK IN ROADWAY - VERTICAL SEPARATION (UNDER)



6 TYPICAL DUCTBANK IN ROADWAY — VERTICAL SEPARATION (OVER)

Power Express





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	1	07/28/2023	ISSUED FOR CONSTRUCTION SUBMISSION	BV	TK	
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 7 (PACKAGE 4B) - CSX - PAN AM SOUTHERN UTILITY TYPICAL SEPARATION DETAILS

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

07/28/2023

C-901 DRAWN BY: AR DESIGNED BY: BV APPROVED BY: TK REV. NO. AS SHOWN DATE