

THE C.E.I. CO. REQUESTED 6/15/11 DATE 2/15/11 SHEET 2 OF 6  
 FILE 53724618  
 SURVEY FOR INNERBELT BRIDGE PROJECT - WEST 3RD STREET  
 ADDRESS WEST 3RD STREET - STONES LEVEE TO HARRISON ST.  
 MUNICIPALITY CITY OF CLEVELAND  
 ORDER FOR OHIO DEPARTMENT OF TRANSPORTATION  
 PREPARED BY SURVEY OFFICE DRAWN BY CHATFIELD PHONE 440.717.6846  
 DESCRIPTION CIRCUIT RELOCATION WORK - OH TO UG

CONST. PLANS APPROVED JOINT PROPOSAL MARKETING SAPDN# 13002553 J.D.  
 CONSUMER'S CHARGE

DATE	REC.	FOR-EST	DH	SUB-WAY	CABLE	SERV	RDD	DMC3	WES3	DEB1	RJS1	TOTAL
2/15/11	2	1		2			1	1	1	1	1	10

REVISION HISTORY

DATE	DESCRIPTION	APPROVED BY
2/15/11	CABLE INSTALL RELEASE	

REMARKS

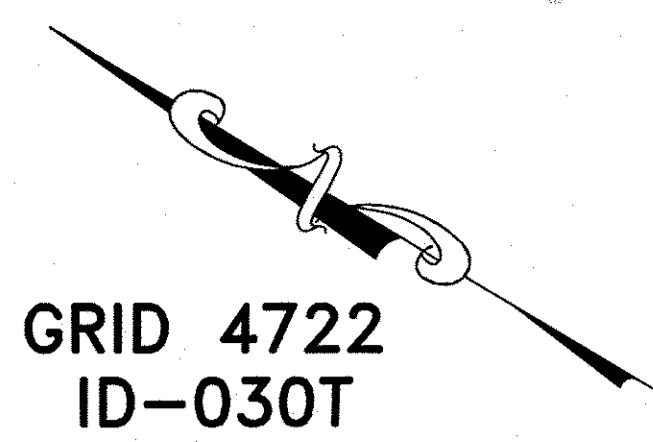
UNDERGROUND FACILITIES WARNING

D.H. TRANSMISSION CLEARANCE WARNING

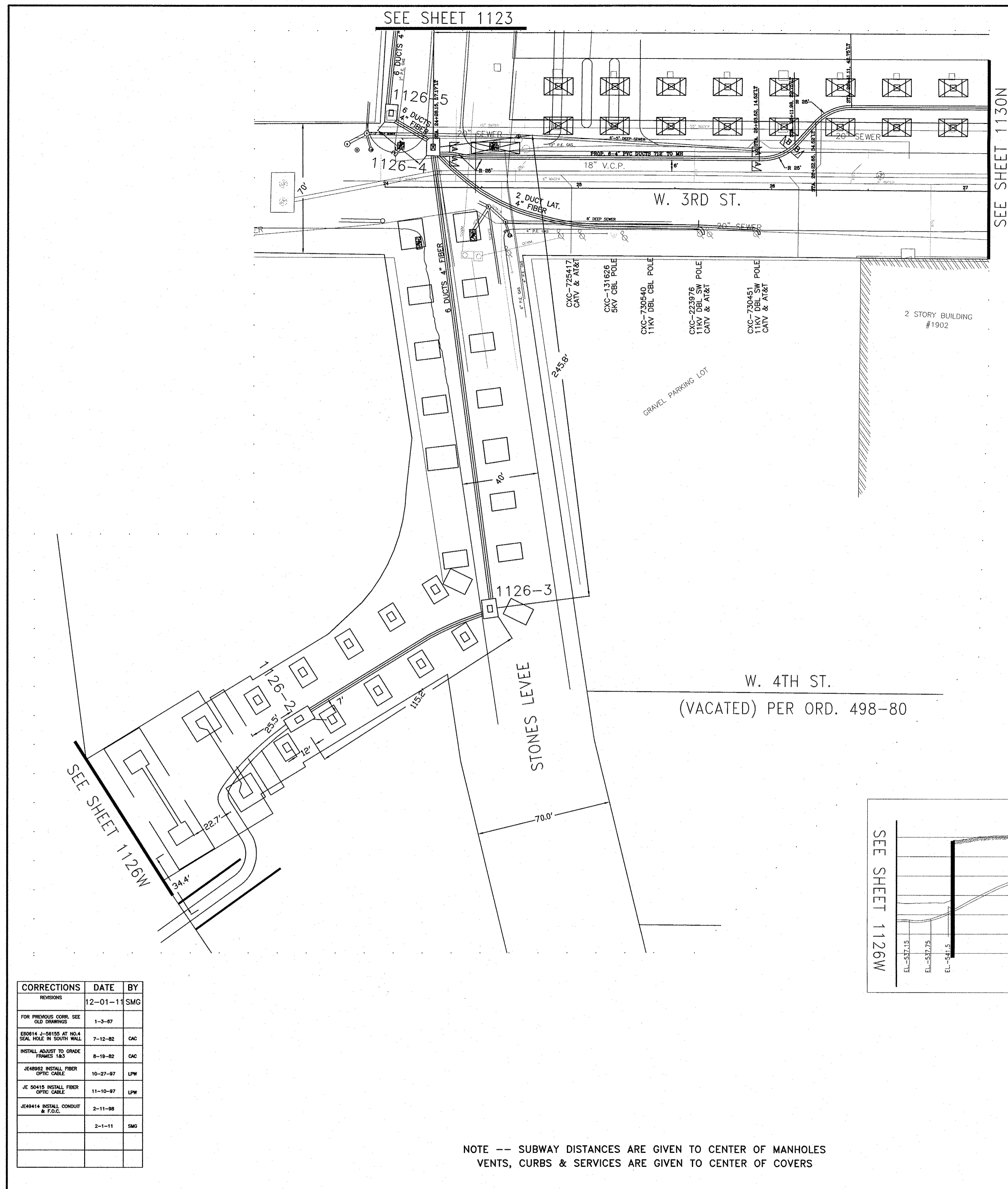
ENGINEERING CHECKED BY: DATE

CONSTRUCTION CHECKED BY: DATE

WBS: CE-000246-DU



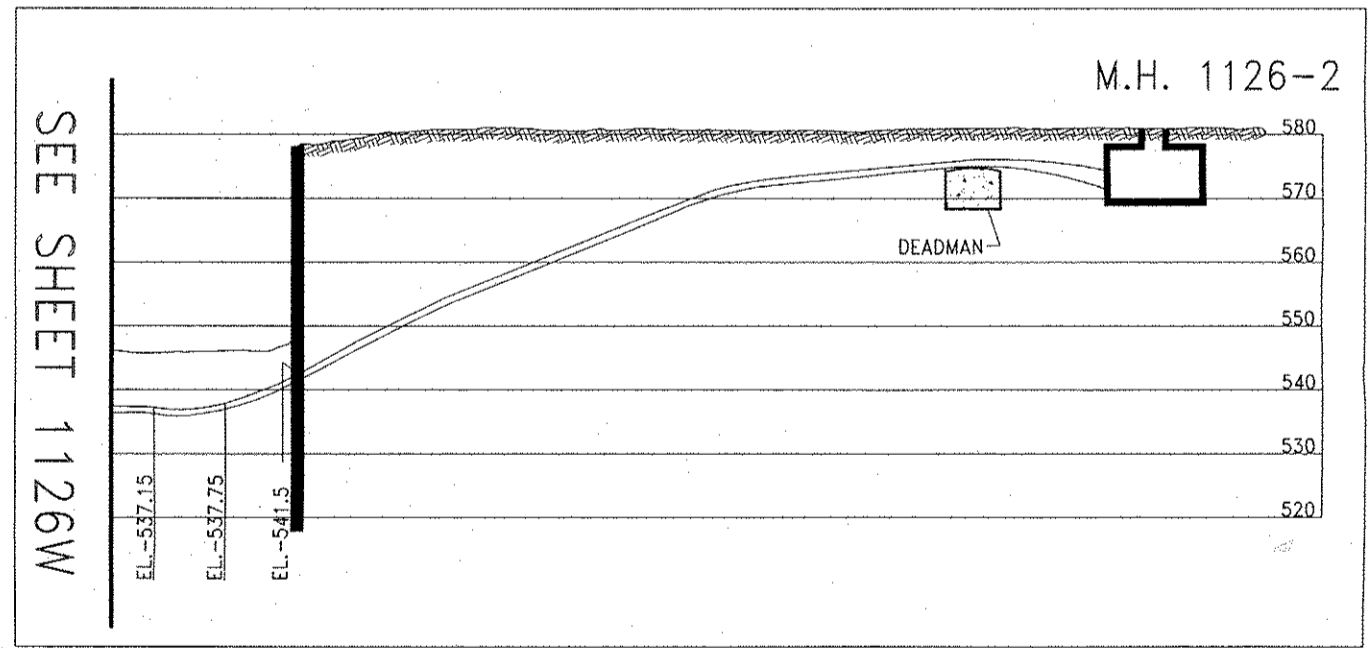
GRID 4722  
ID-030T



SEE SHEET 1130N

SEE SHEET 1123

SEE SHEET 1126W



CORRECTIONS	DATE	BY
REVISIONS	12-01-11	SMG
FOR PREVIOUS CORR. SEE OLD DRAWINGS	1-3-97	
ES0914 J-56155 AT HOA SEAL HOLE IN SOUTH WALL	7-12-92	CAC
INSTALL ADJUST TO GRADE FRAMES 1&3	8-19-92	CAC
JE4892 INSTALL FIBER OPTIC CABLE	10-27-97	LPW
JE 50415 INSTALL FIBER OPTIC CABLE	11-10-97	LPW
JE49414 INSTALL CONDUIT & T.D.C.	2-11-98	
	2-1-11	SMG

NOTE -- SUBWAY DISTANCES ARE GIVEN TO CENTER OF MANHOLES VENTS, CURBS & SERVICES ARE GIVEN TO CENTER OF COVERS

THE CLEVELAND ELECTRIC ILLUMINATING CO.  
 SCRANTON RD.  
 SUBMARINE CABLE CROSSING  
 DRAWN 12-01-11  
 SMG SHEET 1126E

GENERAL CONSTRUCTION NOTES

CONSTRUCT ALL CURVES AND FANS WITH 5 DEGREE COUPLINGS AND CONVENIENT LENGTHS OF CONDUIT. EXCEPT PREFORMED CURVES SPECIFIED ON PLANS.

LENGTH OF CURVES TO BE CONSTRUCTED AS SHOWN ON DRAWINGS.

SEE CIVIL ENGINEERING DRAWINGS AND/OR UNDERGROUND CONSTRUCTION DRAWINGS OF MANHOLES FOR ALL DETAILS AND CONDUIT SPACING AT WALLS.

UNDERGROUND UTILITIES SHOWN ARE PLOTTED FROM RECORDS AND FIELD SURVEYS TO THE BEST OF OUR KNOWLEDGE. CORRECTNESS IS NOT GUARANTEED AND MUST BE USED AT BIDDERS OWN RISK.

EXACT LOCATION AND DEPTH OF ALL UTILITIES CROSSING PROPOSED TRENCH MUST BE ESTABLISHED IN ADVANCE OF CONDUIT INSTALLATION TO AVOID ANY RADICAL CHANGES IN CONDUIT DIRECTION. VERTICAL CURVES, EXCLUDING CONDUIT FANS AND PREDETERMINED CURVES, SHALL HAVE A 50' MINIMUM RADIUS.

ALL CONDUITS TO BE 5" E.P.S. DIAMETER -- UNLESS OTHERWISE NOTED.

MINIMUM COVER FROM FINISHED AND/OR EXISTING GRADE TO TOP OF CONCRETE ENVELOPE TO BE 30" UNLESS OTHERWISE NOTED.

ALL CONDUIT RUNS (CONCRETE ENCASMENT) TO HAVE A MINIMUM OF 3.00" OF CONCRETE AROUND THE EXTERIOR CONDUIT OR CONDUITS AND A MINIMUM OF 1.50" OF CONCRETE BETWEEN CONDUITS.

BASE SPACERS AND INTERMEDIATE SPACERS TO BE PLACED A MAXIMUM DISTANCE OF 5' APART.

SECTIONS AA, BB, TO ZZ ON PLAN VIEW OR PROFILE ARE TO BE USED FOR CONDUIT DESIGNATION ONLY--DETAILS ON THIS SHEET ARE TO BE USED FOR SPACE REQUIREMENTS.

A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN CUSTOMER DRIVES.

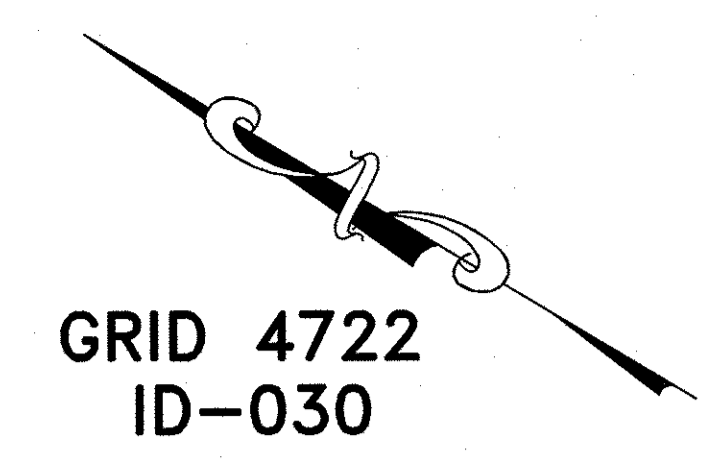
A MINIMUM 400lb TEST LINE IS TO BE INSTALLED IN ALL CONDUITS BETWEEN MANHOLES, POLES AND STUBBED CONDUITS

MATERIAL FOR BACKFILL OPERATIONS ABOVE ALL CONCRETE ENCASED CONDUITS SHALL BE CEMENTITIOUS CONTROLLED DENSITY FILL (CDF) MIXTURES CONTAINING 50lbs. OF PORTLAND CEMENT PER CUBIC YARD. WATER CONTENT SHALL BE REDUCED BY CONCRETE PRODUCER BY ADDING DARAFILL AS MANUFACTURED BY THE W.R. GRACE COMPANY. DARAFILL SHALL BE ADDED AS PER MANUFACTURERS RECOMMENDATIONS TO ACHIEVE AN APPROXIMATE 30% AIR ENTRAINMENT. PLACE CDF BACKFILL BY A METHOD THAT WILL ALLOW FOR RUN-OFF OF EXCESS BLEED WATER.

MATERIAL FOR ENCASMENT OPERATIONS AROUND ALL CONDUITS SHALL BE PORTLAND CEMENT CONCRETE WITH A 3000lb. PSI COMPRESSIVE STRENGTH AT 28 DAYS (FIVE SACKS).

ALL AREAS ARE TO BE RETURNED TO THE SAME OR BETTER CONDITION IN WHICH THEY WERE FOUND PRIOR TO CONSTRUCTION. CITY OF CLEVELAND WATER DEPARTMENT DEPTHS ARE NOT GUARANTEED AND SHOULD BE VERIFIED PRIOR TO EXCAVATION AND CLEARANCES SHOULD BE MAINTAINED PER DEPARTMENT STANDARDS.

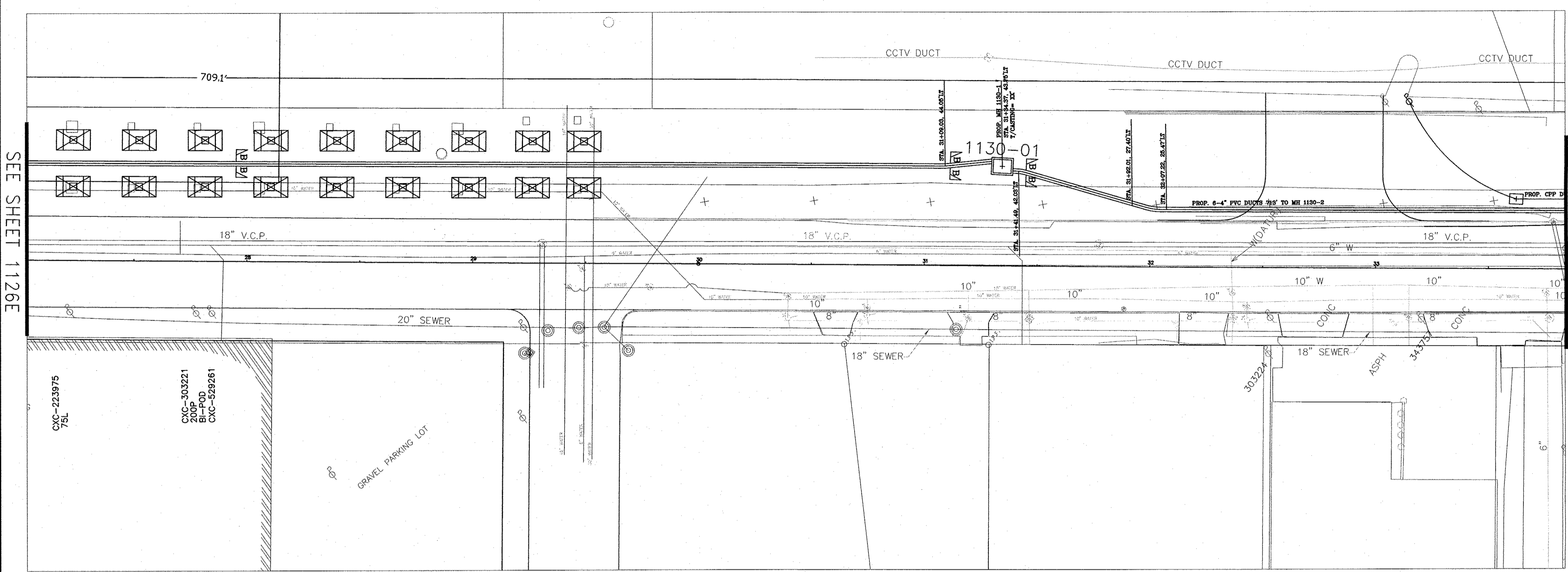
1126E



GRID 4722  
ID-030

WBS: CE-000246-DU

THE C.E.I. CO.	REQUESTED 6/15/11	FAC. MAPPING REFERENCE #	GRID # 4722								
FILE 53724618	DATE 2/15/11	SHEET 3 OF 8									
SURVEY FOR	INNERBELT BRIDGE PROJECT - WEST 3RD STREET										
ADDRESS	WEST 3RD STREET - STONES LEVEE TO HARRISON ST.										
MUNICI-PALITY	CITY OF CLEVELAND	SCALE	NONE								
ORDER FOR	OHIO DEPARTMENT OF TRANSPORTATION										
PREPARED BY	SURVEY OFFICE	DRAWN BY	CHATFIELD								
		PHONE	440.717.6846								
DESCRIPTION	CIRCUIT RELOCATION WORK - OH TO UG										
CONST. PLANS APPROVED	JOINT PROPOSAL										
MARKETING	SAPDN	13002553	J.D.								
CONSUMER'S CHARGE											
DATE	REC.	FOR-EST	D.H.	SUB-WAY	CABLE SERV	RDD	DMCS	WES3	DEBI	RJS1	TOTAL
2/15/11	2		1		2		1	1	1	1	10
RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING	JOINT POLE RELEASE	GANG MEET	TREE WORK	MUNICIPAL PERMIT	INFO						
DATE CLEARED											
DATE	DESCRIPTION	APPROVED BY									
2/15/11	CABLE INSTALL RELEASE										
A CHECK MARK NEXT TO EACH ITEM ON THE SKETCH, INCLUDING CHANGES, INDICATES THAT THE WORK HAS BEEN COMPLETED	ITEMS	UNITS OF WORK COMPLETED									
	POLES	INSTALLED	REMOVED	SHIFTED							
	WIRES										
	TRUNKS										
	ANCHORS										
KIND OF POLES INSTALLED BY SYMBOL											
POLES LEFT FOR TEL. TO REMOVE											
DATE WORK COMPLETED	SUPERVISOR'S SIGNATURE										
UNDERGROUND FACILITIES WARNING											
HIGH PRESSURE PIPELINE	AT SYMBOL	CHECKED BY									
CEI											
TELEPHONE											
D.H. TRANSMISSION CLEARANCE WARNING											
AT SYMBOLS											
ENGINEERING CHECKED BY:		DATE									
CONSTRUCTION CHECKED BY:		DATE									



**CONFIDENTIAL**  
FIRSTENERGY CORP.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF FIRSTENERGY CORP.

CORRECTIONS	DATE	BY
NEW	JAN 11	SMG

NOTE -- SUBWAY DISTANCES ARE GIVEN TO CENTER OF MANHOLES  
VENTS, CURBS & SERVICES ARE GIVEN TO CENTER OF COVERS

THE CLEVELAND  
ELECTRIC ILLUMINATING CO.  
WEST 3RD ST.

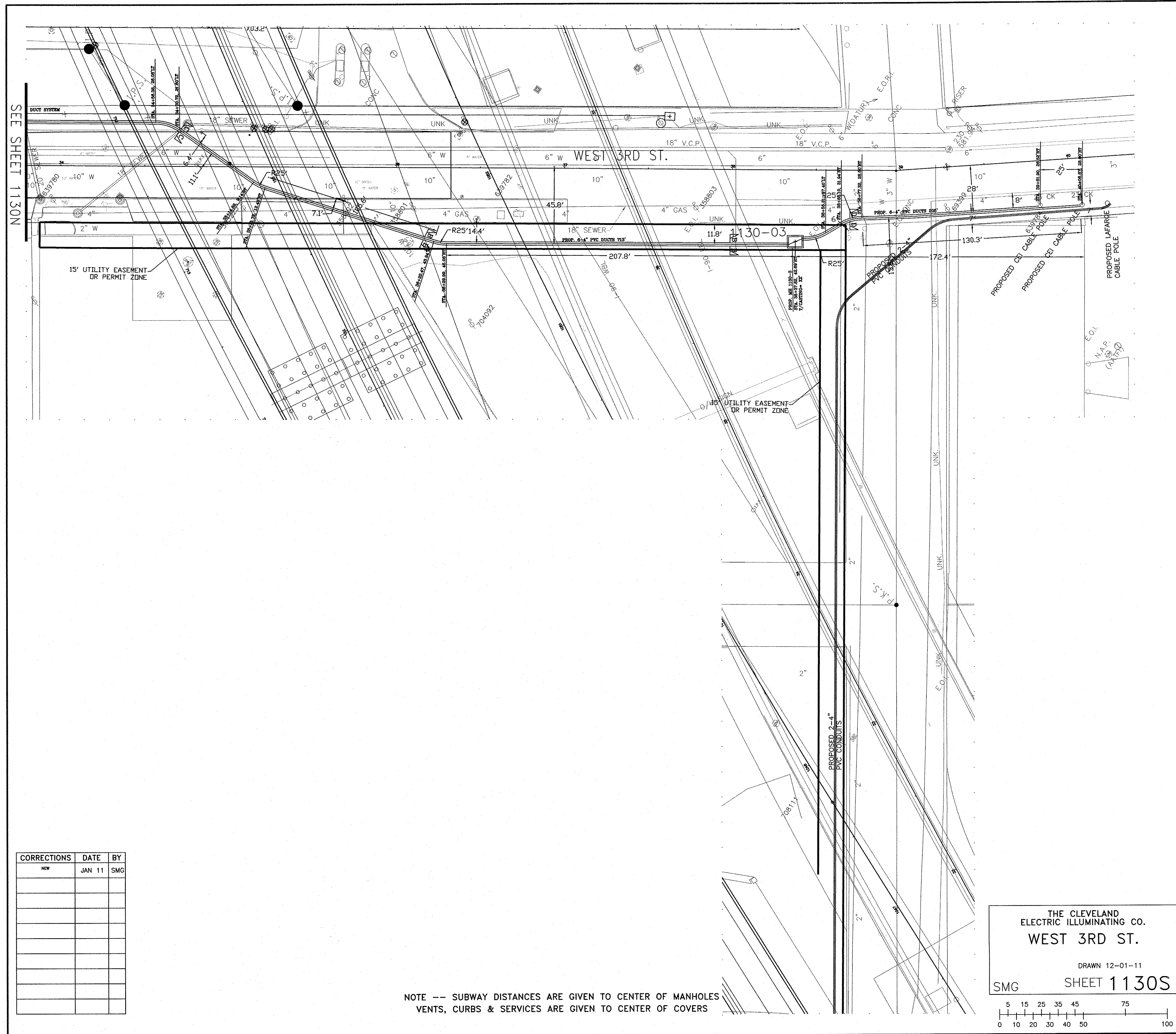
DRAWN 12-01-11  
SMG SHEET 1130N

5 15 25 35 45 75  
0 10 20 30 40 50 100

1130N

THE C.E.I. CO.	REQUESTED BY 6/15/11	FAC. MAPPING REFERENCE #	GRID # 4722									
FILE 53724618	DATE 2/15/11	SHEET 4 OF 6										
SURVEY FOR	INNERBELT BRIDGE PROJECT - WEST 3RD STREET											
ADDRESS	WEST 3RD STREET - STONES LEVEE TO HARRISON ST.											
MUNICIPALITY	CITY OF CLEVELAND											
ORDER FOR	OHIO DEPARTMENT OF TRANSPORTATION											
PREPARED BY	SURVEY OFFICE	DRAWN BY CHATFIELD	PHONE 440.717.6846									
DESCRIPTION	CIRCUIT RELOCATION WORK - OH TO UG											
CONSTR. PLANS APPROVED	JOINT PROPOSAL											
MARKETING	SAPDN# 13002553	J.D.										
CONSUMER'S CHARGE												
DATE	REC.	FOR-EST	OH.	SUB-WAY	CABLE	SERV	RDD	DMC3	WES3	DEB1	RJS1	TOTAL
2/15/11	2		1		2		1	1	1	1	1	10
RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING	JOINT POLE RELEASE	CANC. MEET	TREE WORK	MUNICIPAL PERMIT	INFO							
DATE CLEARED												
DATE	DESCRIPTION	APPROVED BY										
2/15/11	CABLE INSTALL RELEASE											
CONSTRUCTION	A CHECK MARK NEXT TO EACH ITEM ON THE SKETCH, INCLUDING CHANGES, INDICATES THAT THE WORK HAS BEEN COMPLETED											
	KIND OF POLE(S) INSTALLED BY SYMBOL	ITEMS	UNITS OF WORK COMPLETED									
		POLES	INSTALLED	REMOVED	SHIFTED							
	POLES LEFT FOR TEL. TO REMOVE	WIRE										
DATE WORK COMPLETED	SUPERVISORS SIGNATURE											
CAUTION	UNDERGROUND FACILITIES WARNING											
	HIGH PRESSURE PIPELINE	AT SYMBOL	CHECKED BY	SPECIAL INSTRUCTIONS								
	TELEPHONE											
D.H. TRANSMISSION CLEARANCE WARNING												
AT SYMBOLS												
ENGINEERING CHECKED BY:											DATE	
CONSTRUCTION CHECKED BY:											DATE	

WBS: CE-000246-DU



CORRECTIONS	DATE	BY
NEW	JAN 11	SMG

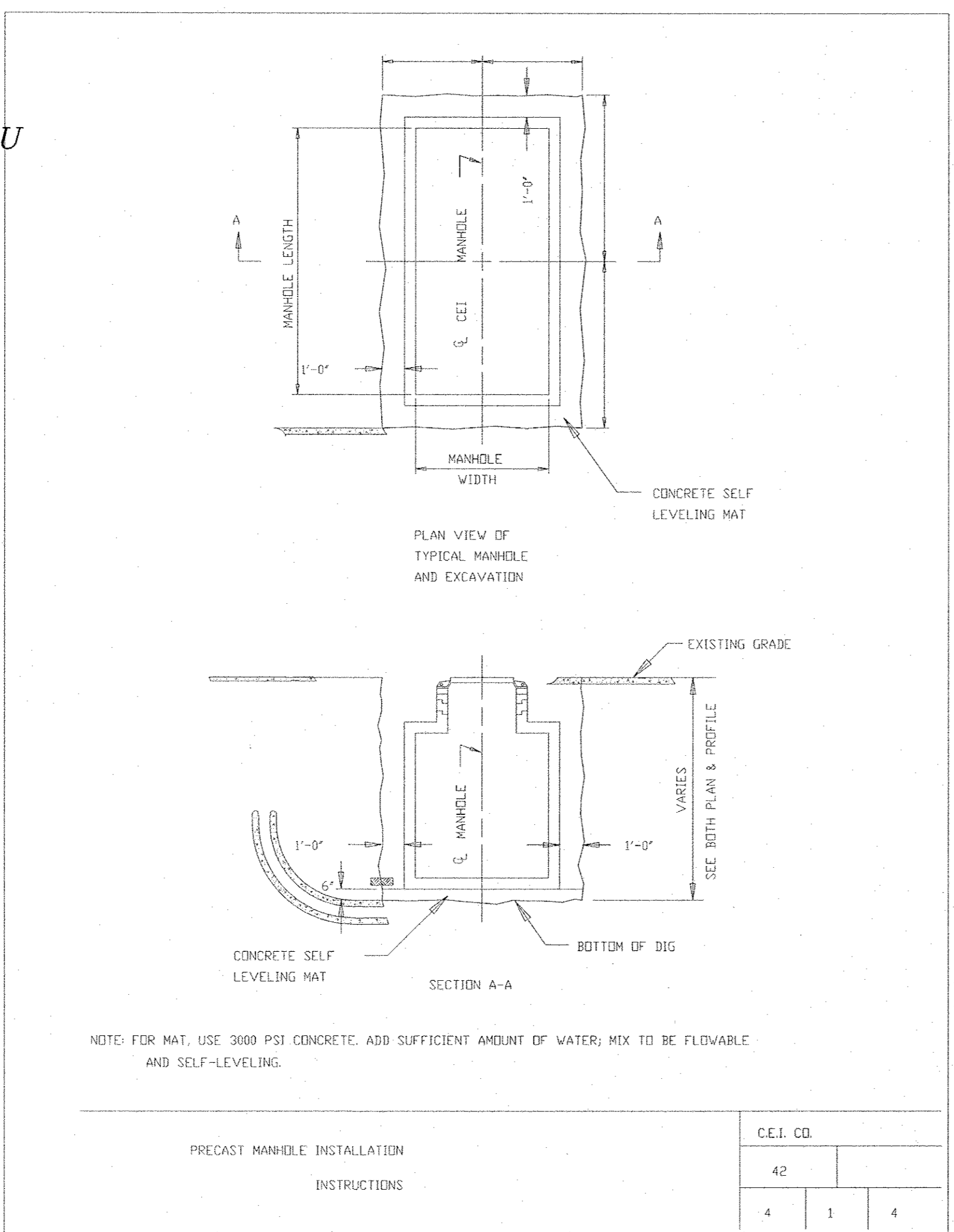
NOTE -- SUBWAY DISTANCES ARE GIVEN TO CENTER OF MANHOLES VENTS, CURBS & SERVICES ARE GIVEN TO CENTER OF COVERS

THE CLEVELAND ELECTRIC ILLUMINATING CO.  
**WEST 3RD ST.**  
 DRAWN 12-01-11  
 SMG SHEET 1130S  
 0 5 15 25 35 45 75 100

1130S

THE C.E.I. CO.	REGISTERED 6/15/11	FAC. MAPING REFERENCE #	GRID # 4722																							
FILE 53724618	DATE 2/15/11	SHEET 5 OF 6																								
SURVEY FOR	INNERBELT BRIDGE PROJECT - WEST 3RD STREET																									
ADDRESS	WEST 3RD STREET - STONES LEVEE TO HARRISON ST.																									
MUNICIPALITY	CITY OF CLEVELAND																									
ORDER FOR	OHIO DEPARTMENT OF TRANSPORTATION																									
PREPARED BY	SURVEY OFFICE	DRAWN BY CHATFIELD	PHONE 440.717.6846																							
DESCRIPTION	CIRCUIT RELOCATION WORK - OH TO UG																									
CONSTR. PLANS APPROVED	JOINT PROPOSAL																									
MARKETING	SAPDN# 13002553	JD.																								
CONSUMER'S CHARGE																										
DATE REC. FOR EST.	DATE REC. FOR SERV.	DATE REC. FOR DMC3	DATE REC. FOR DEBI																							
2/15/11	2	1	1																							
DATE CLEARED																										
RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING	JOINT POLE RELEASE	GANG MEET	TREE WORK																							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																							
DATE CLEARED																										
DATE	DESCRIPTION	APPROVED BY																								
2/15/11	CABLE INSTALL RELEASE																									
<p>A CHECK MARK NEXT TO EACH ITEM ON THE SKETCH INCLUDING CHANGES, INDICATES THAT THE WORK HAS BEEN COMPLETED</p> <table border="1"> <thead> <tr> <th rowspan="2">ITEMS</th> <th colspan="3">UNITS OF WORK COMPLETED</th> </tr> <tr> <th>INSTALLED</th> <th>REMOVED</th> <th>SHIFTED</th> </tr> </thead> <tbody> <tr> <td>POLES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WIRES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TRUNKS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ANCHORS</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				ITEMS	UNITS OF WORK COMPLETED			INSTALLED	REMOVED	SHIFTED	POLES				WIRES				TRUNKS				ANCHORS			
ITEMS	UNITS OF WORK COMPLETED																									
	INSTALLED	REMOVED	SHIFTED																							
POLES																										
WIRES																										
TRUNKS																										
ANCHORS																										
<p>KIND OF POLES INSTALLED BY SYMBOL</p> <p>POLES LEFT FOR TEL. TO REMOVE</p>																										
DATE WORK COMPLETED	SUPERVISORS SIGNATURE																									
<p>UNDERGROUND FACILITIES WARNING</p> <p>HIGH PRESSURE PIPELINE AT _____ CHECKED BY _____</p> <p>CEI _____</p> <p>TELEPHONE _____</p>																										
<p>D.H. TRANSMISSION CLEARANCE WARNING</p> <p>_____ FT. MIN. CLEARANCE REQUIRED AT _____ DEGREES F.</p> <p>AT SYMBOLS _____</p> <p>ENGINEERING CHECKED BY: _____ DATE _____</p> <p>CONSTRUCTION CHECKED BY: _____ DATE _____</p>																										

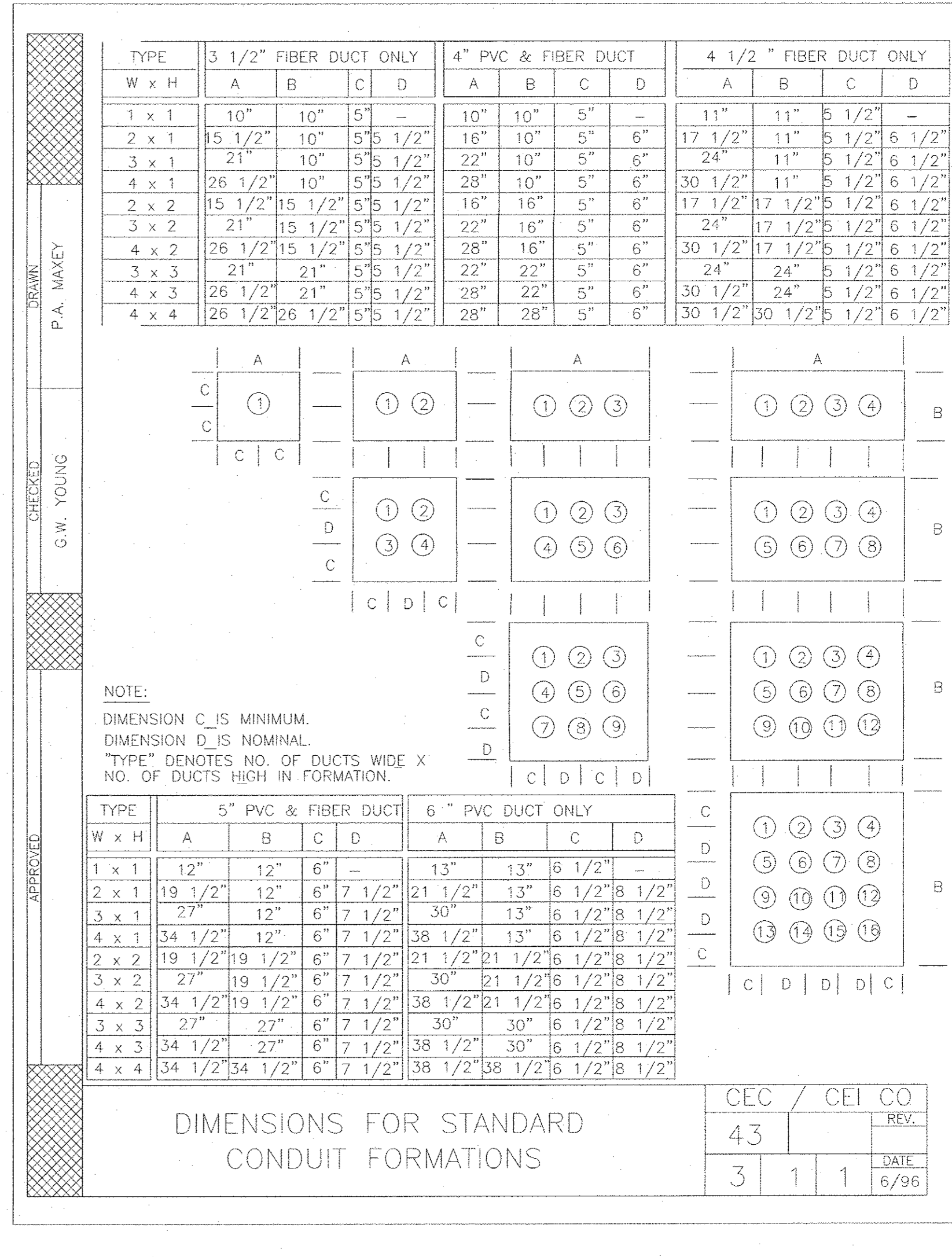
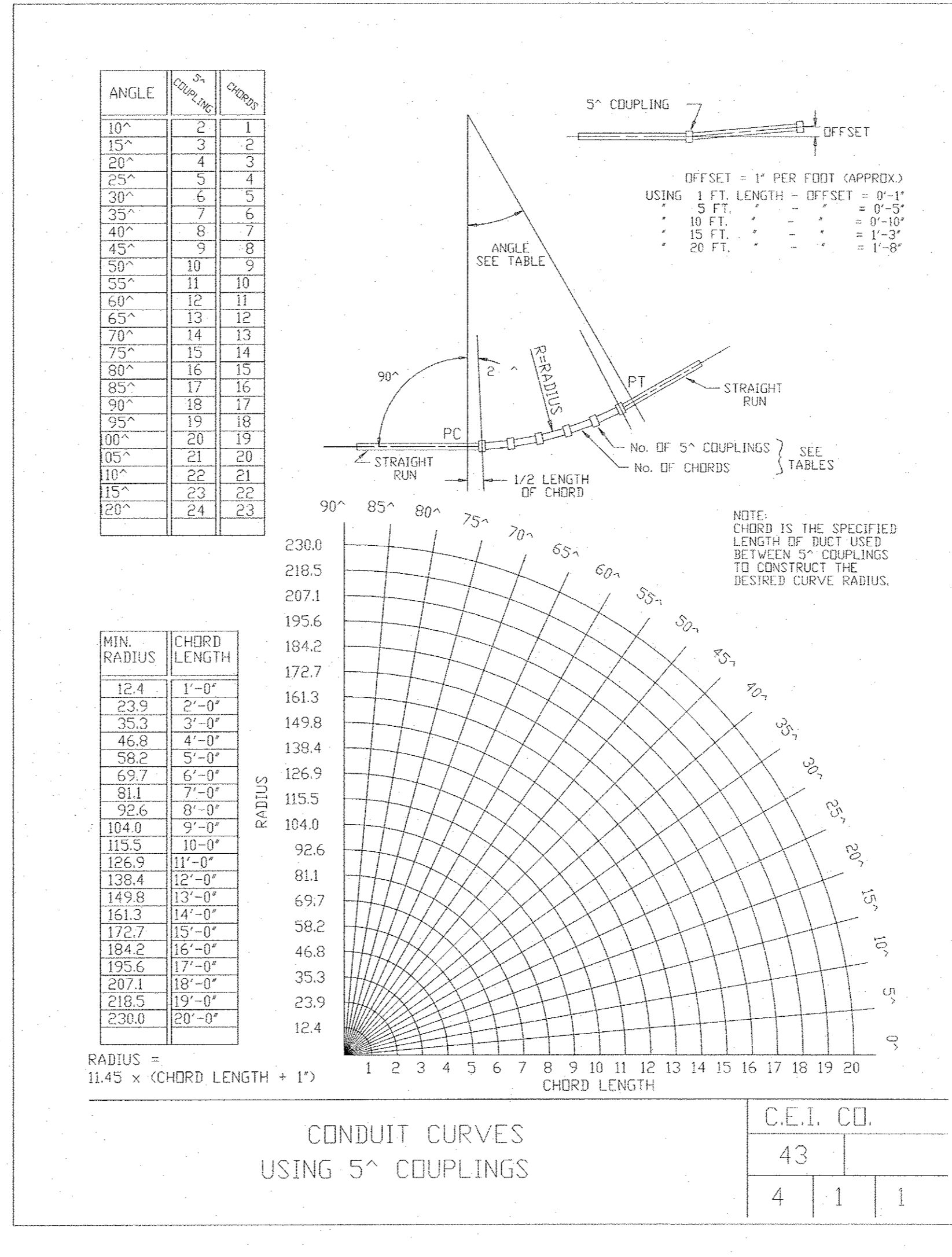
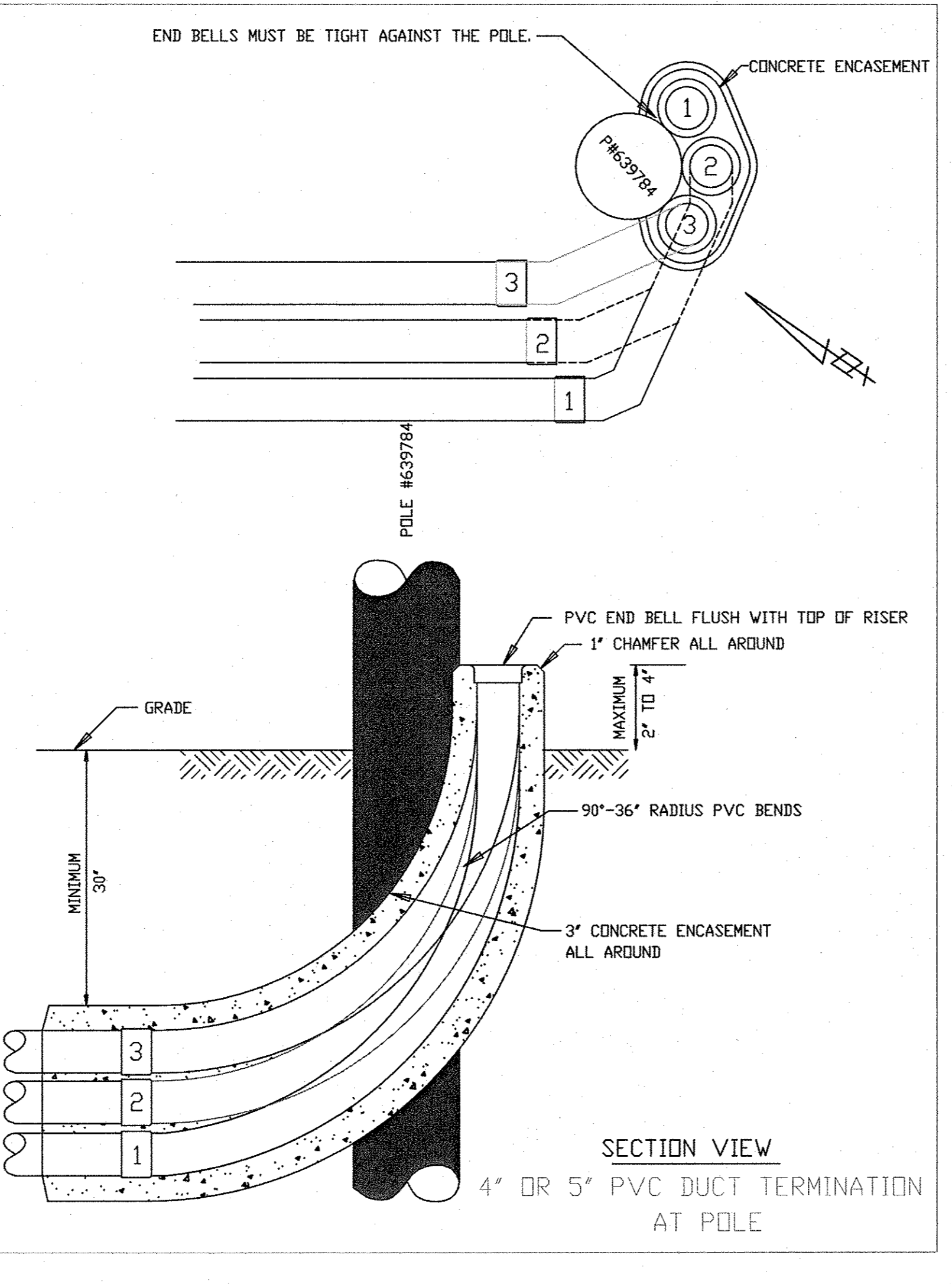
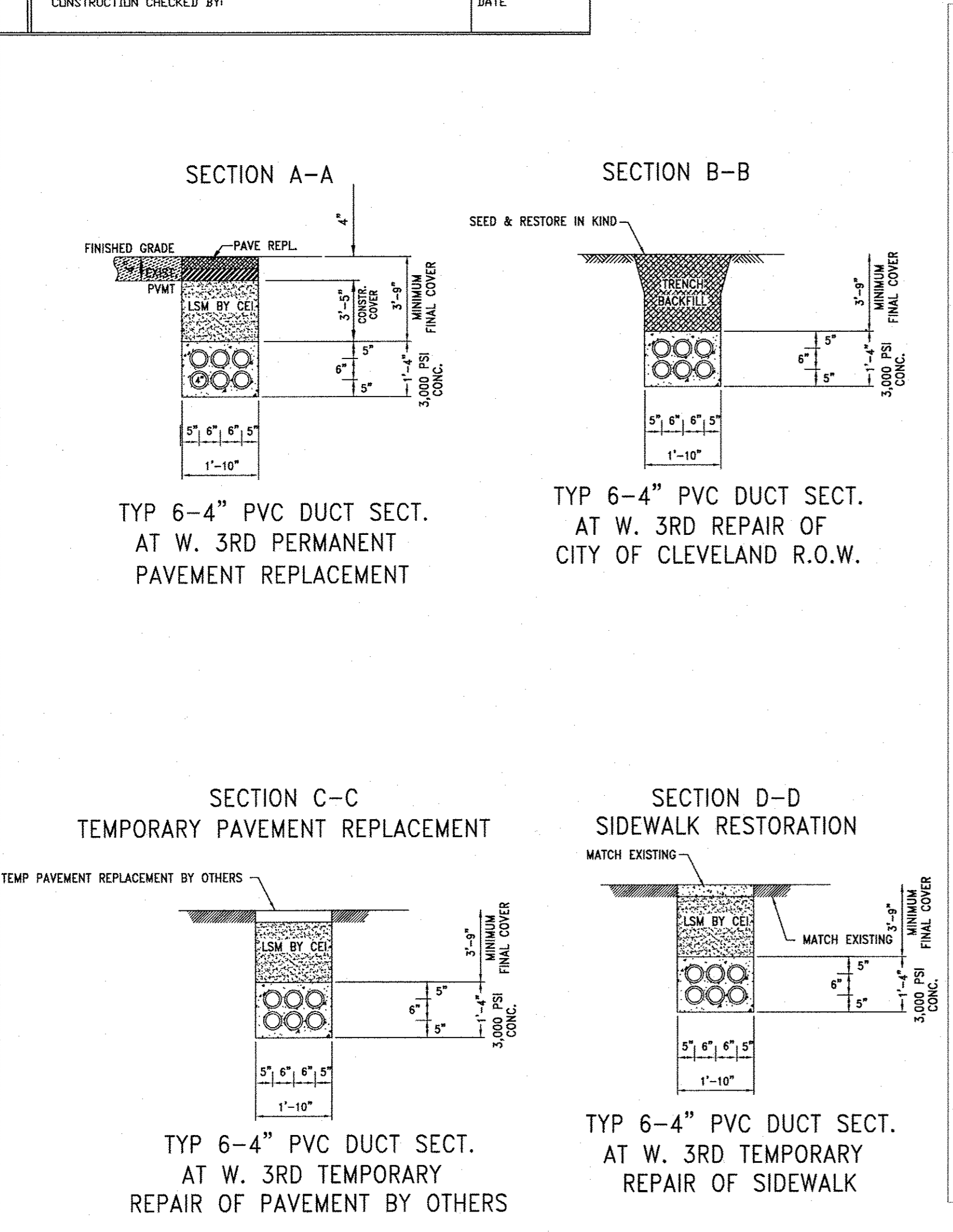
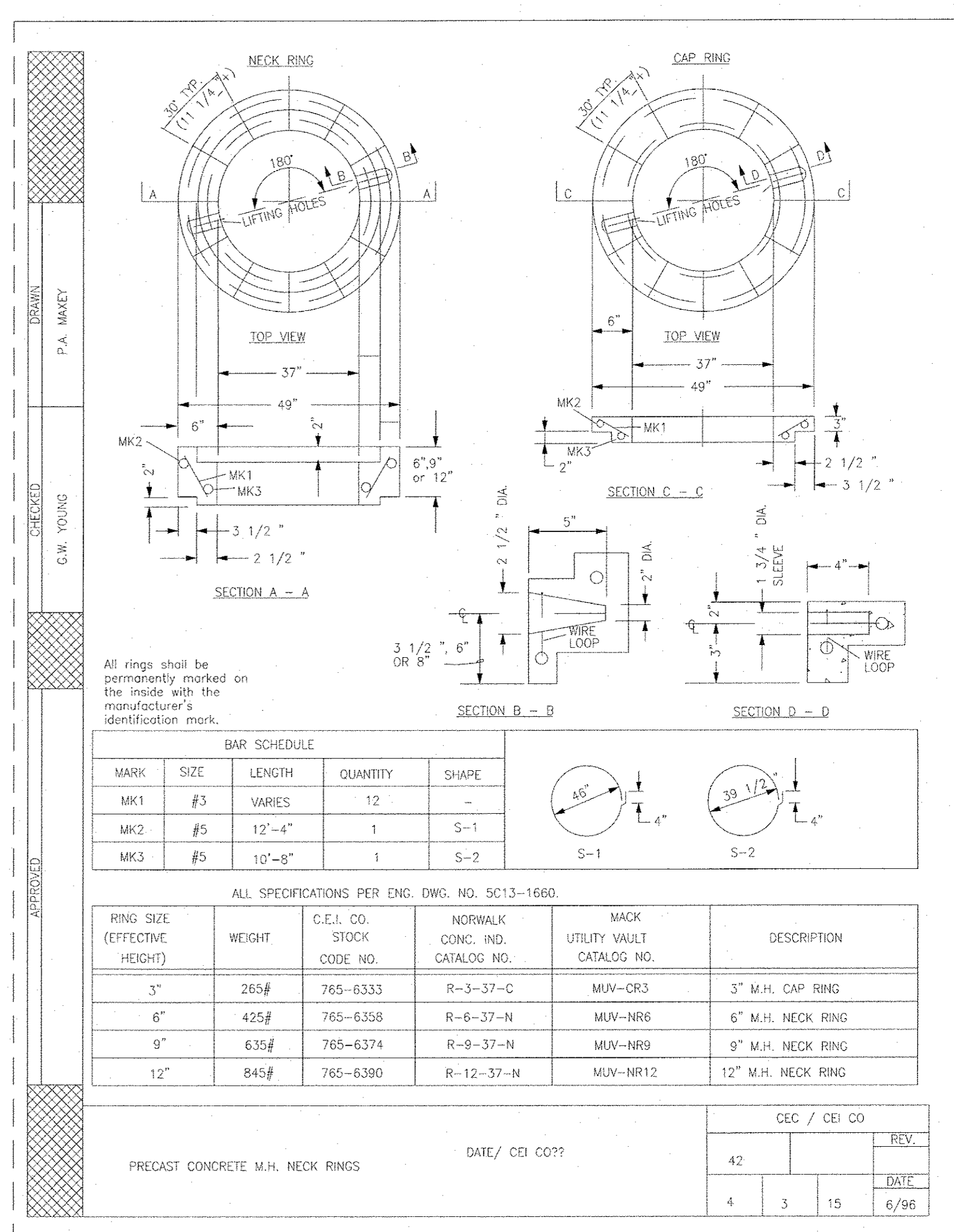
WBS: CE-000246-DU



"A" NECK	BLOCK AND/OR MORTAR	"B" NECK RING HEIGHT	PREFERRED RING COMBINATION
2'-5"	2 1/4"	9"	1-3" CAP
2'-6"	3 1/4"	9"	1-6" NECK
2'-7"	1 1/4"	12"	1-3" CAP
2'-8"	2 1/4"	12"	1-9" NECK
2'-9"	3 1/4"	12"	1-9" NECK
2'-10"	1 1/4"	15"	1-3" CAP
2'-11"	2 1/4"	15"	1-12" NECK
3'-0"	3 1/4"	18"	1-6" NECK
3'-1"	1 1/4"	18"	1-9" NECK
3'-2"	2 1/4"	18"	1-9" NECK
3'-3"	3 1/4"	21"	1-3" CAP
3'-4"	1 1/4"	21"	1-3" CAP
3'-5"	2 1/4"	21"	2-9" NECK
3'-6"	3 1/4"	24"	1-3" CAP
3'-7"	1 1/4"	24"	1-9" NECK
3'-8"	2 1/4"	24"	1-9" NECK
3'-9"	3 1/4"	27"	1-3" CAP
3'-10"	1 1/4"	27"	1-3" CAP
3'-11"	2 1/4"	27"	2-12" NECK
4'-0"	3 1/4"	30"	1-3" CAP
4'-1"	1 1/4"	30"	3-9" NECK
4'-2"	2 1/4"	30"	3-9" NECK
4'-3"	3 1/4"	33"	1-3" CAP
4'-4"	1 1/4"	33"	2-9" NECK
4'-5"	2 1/4"	33"	1-12" NECK
4'-6"	3 1/4"	36"	1-3" CAP
4'-7"	1 1/4"	36"	1-9" NECK
4'-8"	2 1/4"	36"	2-12" NECK
4'-9"	3 1/4"	39"	1-3" CAP
4'-10"	1 1/4"	39"	1-3" CAP
4'-11"	2 1/4"	39"	3-12" NECK
5'-0"	3 1/4"		

PRECAST CONCRETE NECK SCHEDULE

C.E.I. CO. 42 4 3 15-A



THE C.E.I. CD.	REQUESTED 152	6/15/11	FAC. MAPPING REFERENCE #	GRID #	4722							
FILE	53724618	DATE	2/15/11	SHEET	6 OF 6							
SURVEY FOR	INNERBELT BRIDGE PROJECT - WEST 3RD STREET											
ADDRESS	WEST 3RD STREET - STONES LEVEE TO HARRISON ST.											
MUNICIPALITY	CITY OF CLEVELAND	SCALE	NONE									
ORDER FOR	OHIO DEPARTMENT OF TRANSPORTATION											
PREPARED BY	SURVEY OFFICE	DRAWN BY	CHATFIELD	PHONE	440.717.6846							
DESCRIPTION	CIRCUIT RELOCATION WORK - OH TO UG											
CONSTR. PLANS APPROVED	JOINT PROPOSAL											
MARKETING	SAPD#	13002553	J.D.									
CONSUMER'S CHARGE												
DATE	REC.	FOR- EST	OH.	SUB- WAY	CABLE	SERV	RDD	DMC3	WES3	DEB1	RJS1	TOTAL
2/15/11	2		1		2		1	1	1	1	1	10

WBS: CE-000246-DU

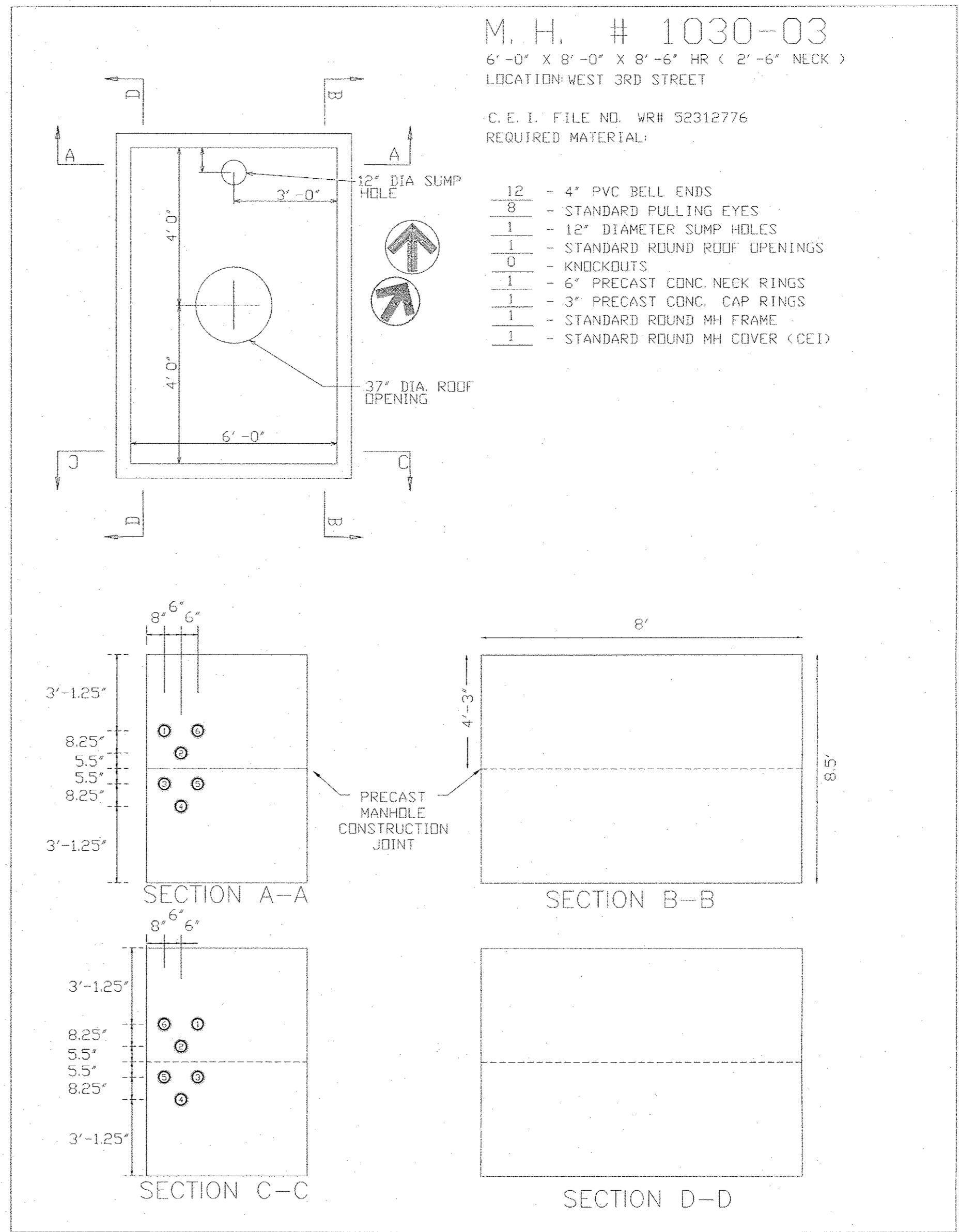
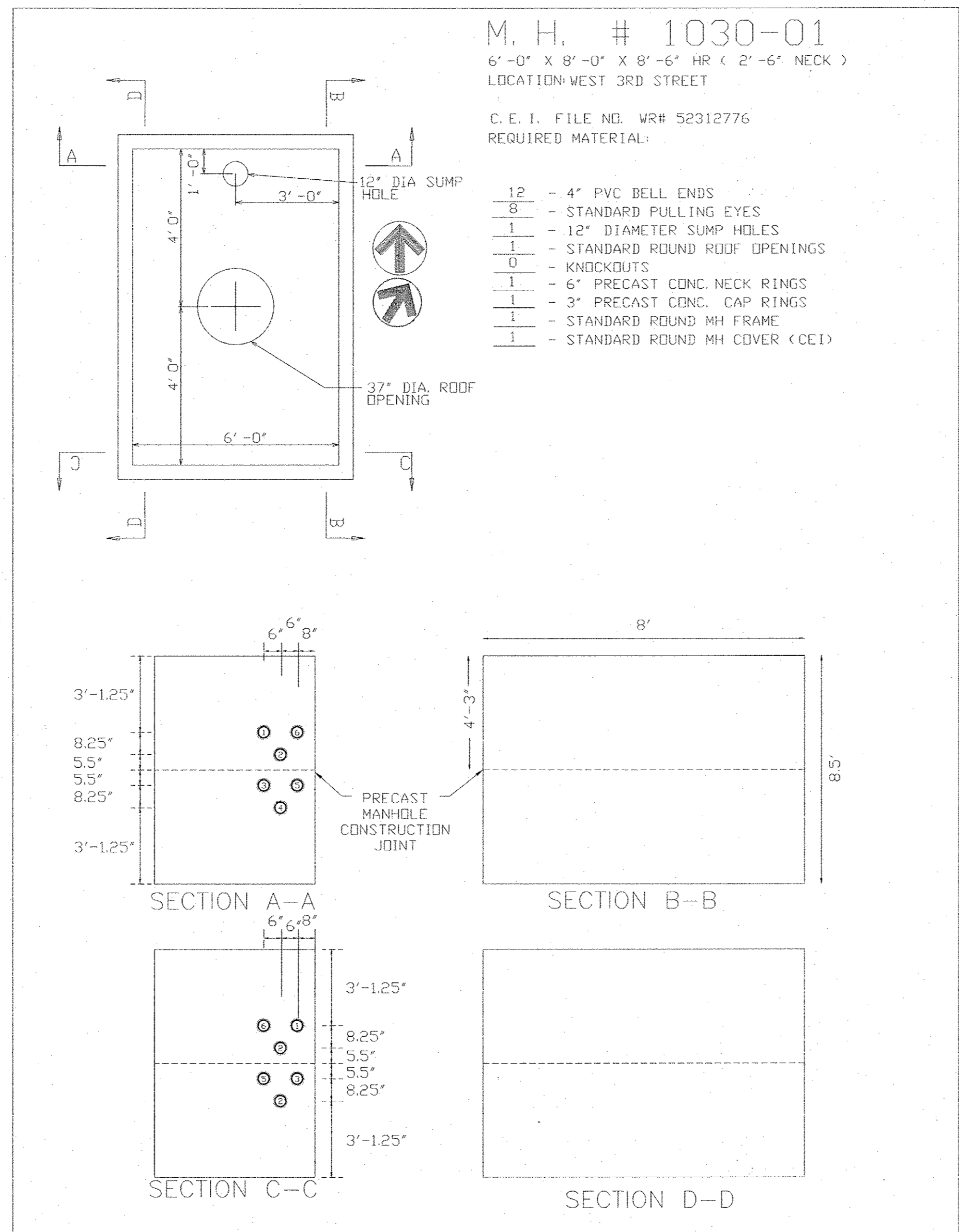
RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING	JOINT POLE RELEASE	GANG MEET	TREE WORK	MUNICIPAL PERMIT	INFO	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DATE CLEARED						
DATE	DESCRIPTION					APPROVED BY
2/15/11	CABLE INSTALL. RELEASE					

A CHECK MARK NEXT TO EACH ITEM ON THE SKETCH, INCLUDING CHANGES, INDICATES THAT THE WORK HAS BEEN COMPLETED	ITEMS	UNITS OF WORK COMPLETED		
		INSTALLED	REMOVED	SHIFTED
	POLES			
	WIRE			
	TURNS			
	ANCHORS			
KIND OF POLE(S) INSTALLED BY SYMBOL				
POLES LEFT FOR TEL. TO REMOVE				
DATE WORK COMPLETED	SUPERVISORS SIGNATURE			

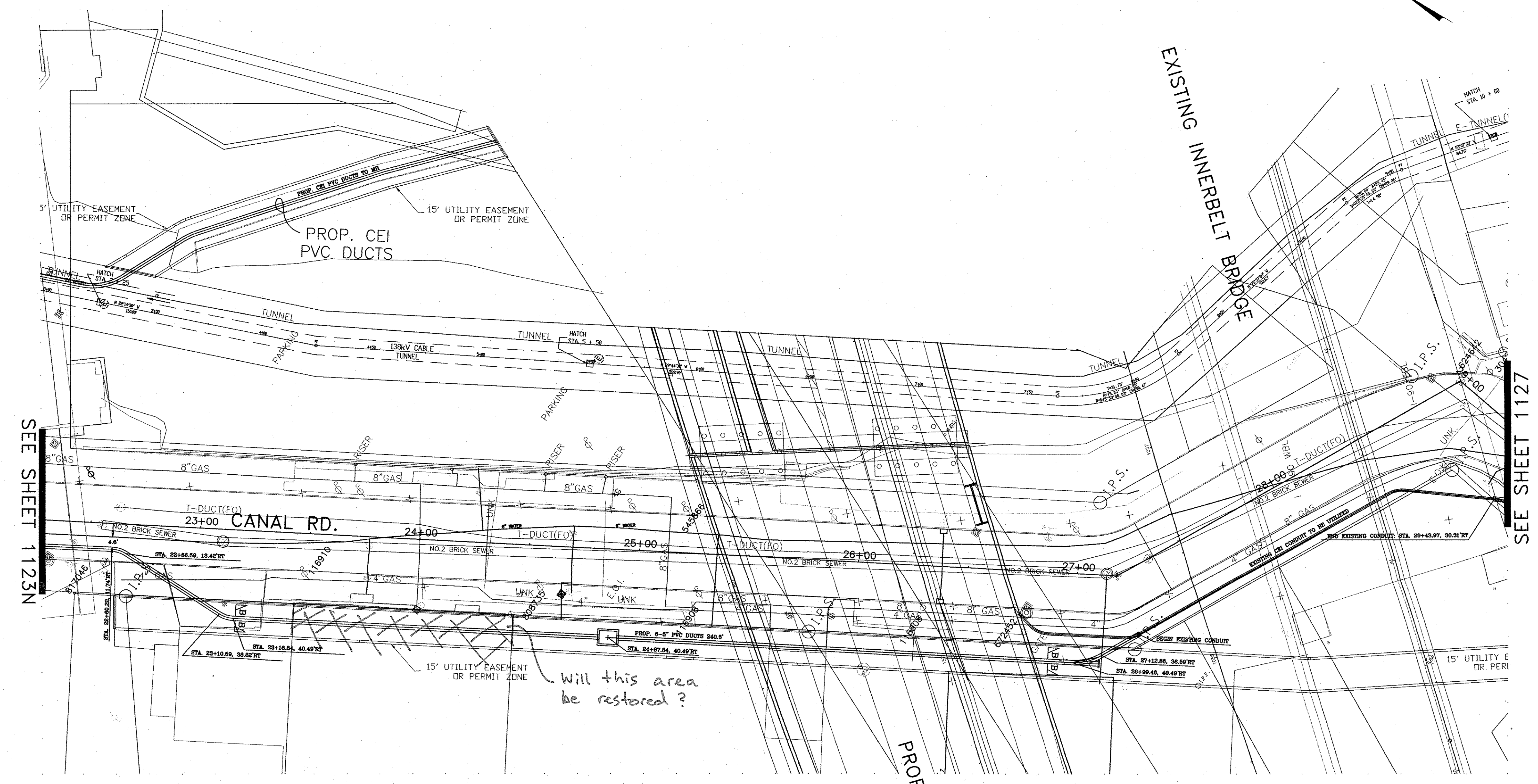
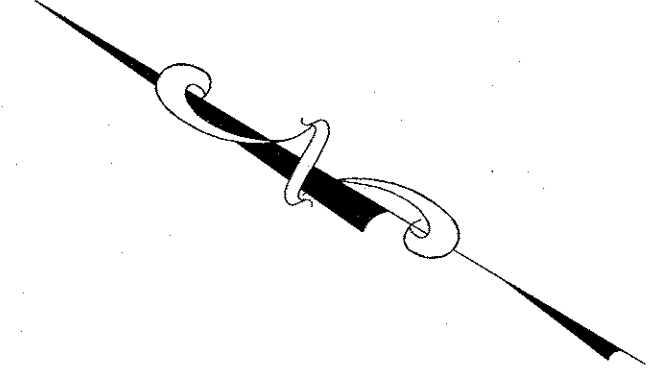
UNDERGROUND FACILITIES WARNING			SPECIAL INSTRUCTIONS		
HIGH PRESSURE PIPELINE	AT SYMBOL	CHECKED BY			
CEI					
TELEPHONE					
D.H. TRANSMISSION CLEARANCE WARNING					
_____ FT. MIN. CLEARANCE REQUIRED AT _____ DEGREES F.					
AT SYMBOLS _____					
ENGINEERING CHECKED BY:					DATE
CONSTRUCTION CHECKED BY:					DATE

CONFIDENTIAL  
FIRSTENERGY CORP.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF FIRSTENERGY CORP.



GRID 4722  
ID-030T



SEE SHEET 1123N

SEE SHEET 1127

*Will this area be restored?*

THE C.E.I. CO.	REQUESTED BY 6/15/11	FAC. MAPPING REFERENCE #	GRID # 4722
FILE 53724618	DATE 2/15/11	SHEET 3 OF 6	
SURVEY FOR INNERBELT BRIDGE PROJECT - CANAL RD. PROJECT			
ADDRESS WEST 3RD STREET - STONES LEVEE TO HARRISON ST.			
MUNICIPALITY CITY OF CLEVELAND			
ORDER FOR OHIO DEPARTMENT OF TRANSPORTATION			
PREPARED BY SURVEY OFFICE	DRAWN BY CHATFIELD	PHONE 440.717.6846	
DESCRIPTION CIRCUIT RELOCATION WORK - OH TO UG			
CONSTR. PLANS APPROVED			
MARKETING SAPON# 13002553			
CONSUMER'S CHARGE			
DATE 15/11	REC. 2	FOR-EST 1	TOTAL 10
RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING			
DATE CLEARED			
DATE 2/15/11	DESCRIPTION CABLE INSTALL RELEASE		
REVISION HISTORY			
A CHECK MARK NEXT TO EACH ITEM ON THE SKETCH, INCLUDING CHANGES, INDICATES THAT THE WORK HAS BEEN COMPLETED			
KIND OF POLES INSTALLED BY SYMBOL			
POLES LEFT FOR TEL. TO REMOVE			
DATE WORK COMPLETED			
UNDERGROUND FACILITIES WARNING			
O.H. TRANSMISSION CLEARANCE WARNING			
ENGINEERING CHECKED BY: DATE			
CONSTRUCTION CHECKED BY: DATE			
<p><b>CONFIDENTIAL</b> <b>FIRSTENERGY CORP.</b></p> <p>INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF FIRSTENERGY CORP.</p>			

CORRECTIONS	DATE	BY
REVISIONS	12-01-11	SMG

NOTE -- SUBWAY DISTANCES ARE GIVEN TO CENTER OF MANHOLES  
VENTS, CURBS & SERVICES ARE GIVEN TO CENTER OF COVERS

THE CLEVELAND  
ELECTRIC ILLUMINATING CO.  
**CANAL RD.**  
DRAWN 12-01-11

SMG SHEET 1123S

1123S