BETWEEN TRACING TO STAKE

THE C.E.I. CO.	REQUESTED 10:30 3-27-11	ENG. MAPPING REFERENCE #	GRID #4722 NW
FILE WP #53706522	DATE 4-13-2011	SHEET 1 OF 5	

2 WORKING DAYS BEFORE YOU DIG "IT'S THE LAW" CALL TOLL FREE 800-362-2764 OHIO UTILITIES PROTECTION SERVICE

DESIGN
- SURVEY FOR: ODOT-INTERMITTENT GRADE PROJECT
- ADDRESS: WEST 3RD ST
- MUNICIPALITY: CLEVELAND — SCALE: 1"=20'
- ORDER FOR: RELOCATION OF OH FACILITIES.
- PREPARED BY: SURVEY D. SHEAKA — DRAWN → ENGINEERING 440-346-8938
- DESCRIPTION: PID #77332
- WBS: CE-000224
- CONST. PLANS APPROVED: [signature] 4-27-11 — JOINT PROPOSAL #943683
- MARKETING — J.O. — B.J.O.
- CONSUMER'S CHARGE $

DATE	J.P.	FOR-EST	O.H.	SUB-WAY	CABLE	SERV	MAKT.	REC.	ENGR	STAKE	FIELD	TOTAL
	2		3		1			1	2	1	1	

RETURN TO RIGHT-OF-WAY BEFORE SCHEDULING — DATE CLEARED ____ — JOINT POLE RELEASE — GANG MEET ☐ — TREE WORK ☐ — MUNICIPAL PERMIT INFO ☐

REVISION HISTORY

DATE	DESCRIPTION	APPROVED BY

CONSTRUCTION

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			
	TRANS. & REGS.			
	ANCHORS			

KIND OF POLE(S) INSTALLED BY SYMBOL
POLES LEFT FOR TEL. TO REMOVE
REMARKS
DATE WORK COMPLETED — SUPERVISORS SIGNATURE

CAUTION

UNDERGROUND FACILITIES WARNING

HIGH PRESSURE PIPELINE	AT SYMBOL	CHECKED BY	SPECIAL INSTRUCTIONS
CEI			
TELEPHONE			

O.H. TRANSMISSION CLEARANCE WARNING

____ FT. MIN. CLEARANCE REQUIRED AT ____ DEGREES F.
AT SYMBOLS ____

ENGINEERING CHECKED BY: — DATE
CONSTRUCTION CHECKED BY: — DATE

MAXIMUM RMS SYMMETRICAL FAULT CURRENT AVAILABLE AT SERVICE ENTRANCE IS
_____AMPS.,3PHASE,_____VOLTS
_____AMPS.,1PHASE,_____VOLTS
CEI CONTRIBUTION ONLY.

THE CUSTOMER SHALL PROVIDE THE GROUNDING ELECTRODE CONDUCTOR AND GROUNDING ELECTRODE TO THE SERVICE ENTRANCE LOCATION.

CIRCUITS: V-23-CK-G, V-710-HO-G, H-5-CN-P, H-98-CN-P

WIRE NOTES

(2) TO (2) SHT #2 REM 3#7 STATIC WIRE - 386'
(2) TO (2) SHT #2 REM 3-477 ACSR 11 KV COND (V-23-CK-G) - 386'
(1) TO (1) SHT #2 REM 3#6 WP CU FRI (H-5-CN-P) - 433'
(5) TO (7) REM 3#6 WP CU FRI (H-5-CN-P) - 120'
(1) TO (2) REM #4 QUAD SEC - 135'
(4) TO (1) SHT #2 REM #4 TRI SEC - 235'
(1) TO (7) INST 3 1/0 WP AL FRI (H-5-CN-P) - 456'
(3) TO (1) SHT #2 INST 1/0 TRI SEC - 241'
(5) TO (6) INST #1/0 TRI SEC - 40'

OVERHEAD FOREMAN NOTE:
NOTE SOME POLES ARE BEING ABANDONED IN PLACE. TO BE REMOVED BY ODOT - CONTRACTOR.

(2) CXE-223975-65'-1-32.5'-1963-D-60%
REM 15KV VERT POST INSULATOR
- 3#7 STATIC WIRE (SE)
- 7'HLX HUB & 1-36 KV POST INSULATOR (274123.75)
- 1-477 ACSR 11 KV COND (SE)
- 10'HLX HUB & 2-36KV POST INSULATORS (274123.73)
- 2-477 ACSR 11KV COND (SE)
- 10'X STRAPS & 3 WD PINS/INSULATORS
- 3#6 WP FRI (NW&SE) ST. SIDE

INST MACHINE BOLT GALV 3/4"X14" (93337443)
- 2-3/4" THIMBLE EYES (44847052)
- 2-CURVED WASHERS 3"X3"X1/4" (93350693)
- 2-3/4" GALV SPRING LOCK WASHER (93521803)
- DE. GRIP FOR 3#7 ALUMOWELD (22612353)
- 2 STANDOFF GROUND DOWN BRACKET (93512143)
- #4 SOL SP BA CU GROUNDING CONDUCTOR (30502693)
- 8 FT 5/8 GROUND ROD (29333923)
- 1-69KV POLYMER SUSPENSION INSULATOR (27403463)
- STRAIN CLAMP FOR 477 ACSR (22136603)
- HL HD GUY (SE) - 60'
- D10'HLX HUB & 4 GRID PLATE
- 2-69 KV POLYMER SUSPENSION INSULATORS (27403463)
- 2-STRAIN CLAMPS FOR 477 ACSR (22136603)
- 2-HL-X-GUYS (SE) 60' EA.
- 10'X WS & 3 ST PINS/INSULATORS

THESE 3-477 KCM ACSR 11 KV COND (NW)
" DISTR RISER TAPE
EX 7'HX STRAPS 2-LA'S & 2-SPC's
1 75 KVA 1Φ DT TRANSF. 4340-120/240V
2-358 RK "4 TRI SEC (NW) & 1/0 TRI SEC (SE)
1/0 TRI LP (NW) TO #1902
#4 TRI LP (SE)
SWR #4 QUAD SEC (NW&SE)
#4 QUAD LP (NW) TO #1902
3 HL X-GUYS FR (NW)
CATV 1 CBL (NW & SE)
AT&T 1 CBL (NW & SE)

(3) CONTINUED
INST 358 RK FOR 3Φ
- "358.4 FROM QUAD LP TO PT (A) - 25'
- 358 RK FOR 1Φ

THESE #4 QUAD SEC (NW)
- #1/0 QUAD LP (NW)
- 1/0 TRI SEC (NW)
- 1/0 TRI LP (W)

EX CATV 1 CBL (NW&SE) @ 22'
- AT&T 1 CBL (NW&SE) @ 21'

(5) CONTINUED
INST D10'X WS & GRID PLATE.
- 3 1/0 AL PADES (W)
- 3 Φ WIRE NEU 1/0 TRI SEC (NW)

EX 2-358 RK's; REM #4 TRI SEC (NW&SE)
- CPP 6' USS #1 LMP/TSP TAP
- FA 2'A 20W (SE)
- CATV 1 CBL (NW&SE & W)
- AT&T 1 CBL (NW&SE & W)
- ST LIGHT ON POLE.

BETWEEN STM (3) AND STM (4)
REM 200 KVA 3Φ PAD TRANSF 4340-240V 3Φ Δ
- 51 POLE STRUCTURE

TRANS DATA
CO #. ____ @ COND
KVA 333 A B C

(4) CXE-522261-45'-1-34.2'-D-100% (NO TAG)
REM POLE & BACKFILL HOLE
- D10'X STRAPS & 6 WD PINS/INSULATORS
- 3#6 WP CU PRI (NW&SE)
- 3-LA's & 3-LPD's
- D10'SADDLE-X 3 WD PINS/INSULATORS
- 10'BUSS-X STRAPS & 3 WD PINS/INSULATORS
- 3#6 WP CU BUSS WIRE (NW)
- 358 RK #4 TRI SEC (SE)

TRSF CPP 6' USS & PE LMP TO STM #3
EX CATV 1 CBL (NW&SE) @ 22'
- AT&T 1 CBL (NW&SE) @ 21'

(6) EX APT POLE 35'-5
SUB TO 50'-3 CEI MP/ATT 24" INCH
PLACE PHASE TAG: CXE-734706
INST D10'X WS & GRID PLATE
- 3 ST. PINS/INSULATORS & OVERTAPS
- 3 1/0 AL PADES (E) & (W)
- 3 ST. ARMS (E)
- PE STD DWG 11-110
- 6FT TIMBER
- 25 KV 14 DB TRANSF (56830652) 4340 X 7620 - 120/240V
- 358 RK
- 12" PB ANC 20' LD (SE)
- ANC GUY (SE) & SHLD
- PE STD DWG 5-052

EX CATV 1 CBL (E&W) @ 22'
- AT&T 1 CBL (E&W) @ 25'
- APT 1 ANCH GUY (W) NO RISER

INSTALL - STM #6
TRANS DATA
CO #. ____ @ COND
KVA 25 A B C

MODEL OF TEST EQUIPMENT USED____
DATE OF TESTING____
NUMBER OF GROUND ELECTRODES____
FINAL RESISTANCE MEASUREMENT____

(7) CXE-116391-50'-1-19.1'-1959-D-60%
EX D10'X WS
REM 2 WD PINS/INSULATORS
- OVERTAPS

INST 3 1/0 AL PADES (SE)
- 3 ST. PINS/INSULATORS
- OVERTAPS

EX 3 1/0 CU PADES (W)
- 3 1/0 WP CU PRI (W)
- BUCKTAPS
- D7'SX STRAPS & 3 WS (N)
- 3#6 WP CU PRI (N)
- 7'HX STRAPS 3 LA's & 3-LPE's
- 30 KVA 3Φ TRANSF. 4340-240V 3Φ Δ
- 459 RK #4 QUAD SEC (N)
- CATV 1 CBL (E)
- AT&T 1 CBL (E & W)
- NO PARKING SIGN ON POLE.

INSTALL - STM #3
TRANS DATA
CO #. ____ @ COND
KVA 25 A B C

(3) CXE-303221-40'-3.10'-1939-D-60%
SUB TO 65'-1 CEI 32.5'/ATT 24" INCH.
SET ON 1' OF CRUSHED STONE
REM 10'BUSS-X STRAPS & 3 WD PINS/INSULATORS
- 3#6 WP CU BUSS WIRE (SE)
- 2 SWRS & 3 E. ROCKS
- 3#500 KCM CU 3Φ 240V LP TO PT (A) - 20'

INST HL HD GUY FR (NW)
- 2 HL X-GUYS FR (NW)
- HL 12' EXP ANC 30" LD (SE)
- HL 2 ANC GUYS (SE) & SHLD
- 10'X WS & 3 STL PINS/INSULATORS
- PE STD DWG 11-130
- 20 FT RISER
- 3-25 KVA 1Φ DE TRANSF = (56843402) 4340 X 7620 - 240V 3Φ CLOSED Δ

TRANS DATA
CO #. ____ @ COND
KVA 25 A B C

(5) CXE-243810-70'-1-37.1'-1963-D-60%
CUT OFF 18 FT OF POLE TOP TO BE A 50'-1 45FT CUT OF GROUND.
REM 15KV VERT POST INSULATOR
- 3#7 STATIC WIRE (NW&SE) w/GRID PA
- 7'HLX HUB & 1-36 KV POST INSULATOR (274123.73)
- 1-477 ACSR 11 KV COND (NW&SE)
- 10'HLX HUB & 2-36 KV POST INSULATORS (274123.73)
- 2-477 ACSR 11 KV COND (NW&SE)
- D10SX STRAPS & 3 WS & (W)
- 3#6 WP CU PRI (W)
- BUCKTAPS
- 10'X STRAPS 3 WD PINS/INSULATORS
- 3#6 WP CU PRI (NW&SE)

INST D10'X WS & GRID PLATE
- 3 1/0 AL PADES (NW)
- HD GUY (SE) - 95'
- BUCKTAPS

TRANS DATA
CO #. ____ @ COND
KVA 25 A B C

MODEL OF TEST EQUIPMENT USED____
DATE OF TESTING____
NUMBER OF GROUND ELECTRODES____
FINAL RESISTANCE MEASUREMENT____

(1) CXE-730541-45'-1-200.6-D-100%
EX HL STATIC DE
- HL 3#7 STATIC WIRE (SE)
- HL 2 TIE GUYS (NW)
- PE STD DWG 17-312 CONVERGENCE
- 6-477 ACSR 11 KV COND (NW)
- 3-477 ACSR 11 KV COND (SE)

REM 2'X & 3 STL PINS/INSULATORS
- 3#6 WP CU PRI (SE)

LWR TRI RR. #4 TRI SEC (NW&SE)
- 6'USS & PE LMP.

REM SWR #4 QUAD SEC (SE)

INST D10'X WS & GRID PLATE
- 3 STL PINS/INSULATORS
- 3 VS & (NW)
- 3 1/0 AL PADES (SE)
- OVERTAPS
- D12'HX WS & GRID PLATE
- 3-10 KV LA's
- 3-LPD's-ST SIDE (535 18202) (BARS IN) HS TO OH OF H-5-CN-P - BD "A"
- 2-LPD's - FLD SIDE (535 18232) (BARS OUT) HS TO OH OF H-98-CN-L - BD "B"
- D12 HX WS & GRID PLATE
- 6'3/0 AL-1C-15 KV TERM. (36745413)
- 6-10' SECTIONS OF 4" PVC U-GUARD (36916263)
- 2 CBL GRIPS (36302011)
- 3#3/0 CU-25 KV PSN CBL's UP POLE (ST SIDE) HS TO ON OF H-98-CN-L
- 3#3/0 CU-25 KV PRI CBL's UP POLE (FLD SIDE) HS TO ON OF H-5-CN-P
- 2 CONDUIT ADAPTERS.

THESE 3#6 WP CU FRI (NW)

SCRANTON RD — EAGLE AVE VIADUCT — CEI 6-4" RISERS — CEI 2-3" RISERS & 2-4" PVC CONDUITS — CEI MH #1126-5 — CEI MH #1126-4 — RW — RD - 70' — SCRANTON LEVEE STONED — RW

WEST 3RD STREET 70' ROW

3#6 WP CU. — 3#7 STATIC — 6-477 MA COND. — 3#6 WP CU PRI 140 — (1) — EX 3#7 STATIC — EX 3-477 MA COND. — REM 3#6 WP CU PRI-130' — INST 3 1/0 WP AL PRI-130' — 270 — REM #4 QUAD SEC-130' — THRU #4 TRI SEC — #4 QUAD LP #1/0 TRI LP — #1902 — (2) — INST HL HD & X-GUYS-60' — REM 3#6 WP CU PRI-68' — INST 3 1/0 WP AL PRI-60' — (3) — (4) — #4 QUAD SEC — #1/0 TRI SEC — 30' ANC LD — 3#6 GUY — 21'6" — REM 3#7 STATIC-206 — REM 3-477 MA CABLE-206 — REM 140 3#6 WP CU PRI-140' — INST 3 1/0 WP AL PRI-146' — REM #4 TRI SEC-140' — INST #1/0 TRI SEC-146' — (5) — REM 3#7 STATIC-180' — 3-477 MA CABLE-180' — 3#6 WP CU PRI-95' — REM #4 TRI SEC — INST #1/0 TRI SEC-95' — HD GUY-95' — (1) — SEE SHT #2 — CXE-303222 2EL — CXE-730541 — CXE-131626 5KV CEI POLE — CXE-730540 11KV DEL CBL POLE — CXE-223976 11KV DEL SW POLE — ATT 1 CATV — CXE-730541 11KV CATV POLE 5KV DEL CBL POLE — CXE-725417 CATV & ATT — CXE-223975 75' — 2 STOREY BLDG. — CXE-303221 3 PHASE 11KV CXE-329261 — CXE-243818 — 70'-1 — (6) — ATT — CXE-734706 — REM 3#6 WP CU PRI-40' — INST 3 1/0 WP AL PRI-40' — INST 3 1/0 WP AL PRI — 30 ANC LD — (7) — 3 1/0 WP AL PRI — #4 QUAD 2 1/2" PVC — REM 3#6 WP CU PRI — INST 3 1/0 WP AL PRI — 1 WD - 11685 1 SOP — EXISTING 5 W/O WP PRI — #1950 1 STOREY BLDG. — CENTRAL AVE - 66' — RW — RW — RW