







III. EARTHWORK / SITE WORK

(A) EASEMENTS AND RIGHT-OF-WAY:

THE CONTRACTOR SHALL STAY WITHIN THE DESIGNATED PROPERTIES, EASEMENTS, AND/OR RIGHT-OF-WAY PROVIDED FOR THE PROJECT AT ALL TIMES. NO MATERIAL SHALL BE STORED NOR ANY WORK PERFORMED ON PRIVATE PROPERTY UNLESS OTHERWISE APPROVED. DISTURBANCE OF EXISTING FEATURES AND/OR IMPROVEMENTS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND AS APPROVED BY THE CITY ENGINEER/PROPERTY OWNER.

(B) SUITABILITY OF SITE:

THE CITY OF CANTON SHALL NOT BE RESPONSIBLE FOR THE TYPE AND/OR SUITABILITY OF THE MATERIAL UNDERLYING THE PROJECT SITE. THE DEVELOPER/CONTRACTOR MUST APPRAISE THEMSELVES OF ANY EXISTING SITE CONDITIONS WHICH MAY AFFECT THEIR BID OR THE PERFORMANCE OF THE REQUIRED WORK. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS AND/OR TESTING NECESSARY TO ADEQUATELY DETERMINE/ESTIMATE TO THEIR SATISFACTION ALL SITE CONDITIONS WHICH COULD AFFECT THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE AND/OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), SPRINGS, ETC.

REFER TO CITY STANDARD DRAWING NO. 19 FOR ADDITIONAL DETAILS.

(C) REMOVAL/REPLACEMENT OF UNSUITABLE MATERIAL:

THE CONTRACTOR SHALL UNDERCUT AND REPLACE UNSUITABLE MATERIAL ENCOUNTERED DURING INSTALLATION OF THE PROPOSED UTILITIES AND ROADWAY IN ACCORDANCE WITH CITY STANDARD DRAWING NO. 19.

IV. ROADWAY / DRIVE APPROACHES / WALK / CURB

(A) PAVEMENT STANDARDS:

PAVEMENTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE CITY STANDARD DRAWINGS AND SPECIFICATIONS (LISTED BELOW) AND ODOT SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE ON THE PLANS.

CITY STANDARD DRAWING NO.:

- DRIVEWAYS, CURBS, AND PAVEMENT
27 "DRIVE APPROACH WITH LAWNSTRIP BETWEEN SIDEWALK & CURB"
28 "DRIVE APPROACH WITH SIDEWALK AGAINST CURB"
29 "COMBINED CURB & WALK"
30 "CONCRETE CURB AND COMBINED CURB & GUTTER"
31 "BRICK PAVEMENT REPAIR & REPLACEMENT OVER TRENCHES/ALONG CURB"
32 "TYPICAL SECTION - LOCAL STREET"
33 "WHEELCHAIR RAMP"
34 "PAVEMENT TRANSITION, BRICK-ASPHALT"

CITY STREETScape

- 40 "TYPICAL STREETScape CORRIDOR"
41 "ROADWAY BRICK & CROSSWALK PAVEMENT DETAILS"
42 "STREETScape CONCRETE WALK PAVEMENT DETAILS"
43 "TREE FRAME & GRATE CONSTRUCTION DETAILS"
44 "CONCRETE WALK OVER VAULT CONSTRUCTION DETAILS"
45 "BRICK WALK OVER VAULT CONSTRUCTION DETAILS"

CITY SPECIFICATIONS:

"CITY OF CANTON SPECIFICATIONS FOR THE CONSTRUCTION, REPAIR, AND REPLACEMENT OF SIDEWALKS, CURBS, AND DRIVEWAYS"

(B) RESTRICTED WORK SCHEDULE:

NO CONCRETE FINISH WORK OR PERMANENT ASPHALT SHALL BE PLACED FROM NOVEMBER 15TH TO APRIL 15TH UNLESS WRITTEN APPROVAL IS GRANTED BY THE CITY ENGINEER.

(C) ASPHALT/CONCRETE:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF BEGINNING WORK WHICH REQUIRES COMPACTION TESTING AND/OR PRE-POUR INSPECTION PRIOR TO PLACEMENT OF ASPHALT OR CONCRETE. WORK SHALL NOT PROCEED UNTIL TESTING AND/OR INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE CITY ENGINEER.

(D) CURB RAMPS:

THE CONSTRUCTION WORK FOR THE CURB RAMPS ON THIS PROJECT SHALL ALSO BE GOVERNED BY CITY STANDARD DRAWING 22, SHEETS 1 THROUGH 4.

(E) STREETScape:

THE CONSTRUCTION WORK FOR THE STREETScape ON THIS PROJECT WILL ALSO BE GOVERNED BY CITY ORDINANCE CHAPTER 921, AND CITY STANDARDS 40 THROUGH 47. THE CITY OF CANTON SHALL ALSO SUPPLY BRICK FOR SIDEWALK INLAYS AND TREE GRATE WITH FRAMES FOR INCORPORATION IN TO THE STREETScape. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TRANSPORTING MATERIALS. COORDINATION OF PICK-UP/DELIVERY SHALL BE COORDINATED THROUGH THE CITY PROJECT REPRESENTATIVE.

(F) SAWCUTTING FOR CURB:

THE PAVEMENT SHALL BE SAWCUT AT THE PROPOSED FACE OF CURB LOCATION.

(G) TREE INSTALLATION:

IN ADDITION TO SECTION II: GENERAL CONDITIONS OF THE INVITATION TO BID SECTION (31), THE CITY RESERVES THE RIGHT TO ENTER THE PROJECT SITE WITH INTENT TO PLANT A TREE AND/OR INSTALL PLANTER. ACTIVITIES SHALL BE COORDINATED THROUGH THE PROJECT SUPERINTENDENT AND CITY PROJECT MANAGER.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

NO FOUNDRY SAND, ACBFS, GRANULATED SLAG(GS) OR OTHER SLAG SHALL NOT BE PERMITTED FOR THIS ITEM. ALL OTHER REQUIREMENTS OF SECTION 304 AND 703.17 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL STILL BE APPLICABLE.

V. SANITARY SEWERS / STORM SEWERS

(A) SEWER STANDARDS:

ALL SANITARY/STORM SEWER CONDUITS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO APPLICABLE CITY STANDARD DRAWINGS AND SPECIFICATIONS (LISTED BELOW) AND ODOT SPECIFICATIONS EFFECTIVE AT THE TIME OF CONSTRUCTION, UNLESS SPECIFIED OTHERWISE ON THE PLANS.

CITY STANDARD DRAWING NO.:

- CATCH BASINS
1 "CURB INLET CATCH BASIN"
2 "CURB INLET WATER QUALITY CATCH BASIN"
4 "SQUARE-TOP CATCH BASIN"
5 "SQUARE-TOP WATER QUALITY CATCH BASIN"

MANHOLES

- 10 "PRECAST STORM OR SANITARY MANHOLE"
11 "OUTSIDE DROP CONNECTION FOR SANITARY MANHOLE"
12 "MANHOLE COVER"
13 "MANHOLE ADJUSTMENTS"

CONDUITS AND TRENCHES

- 18 "HOUSE CONNECTION STACK"
19 "UTILITY TRENCH REQUIREMENTS"
20 "SANITARY SEWERS AND LATERALS"
21 "CONCRETE ENCASEMENT DETAIL"
22 "DOWNSPOUT OUTLET (NON-CURBED STREET)"
23 "DOWNSPOUT OUTLET (CURBED STREET)"
24 "GROUNDWATER DRAIN LINE CONNECTION"

DRIVEWAYS, CURBS, AND PAVEMENT

- 31 "PAVEMENT REPAIR"
32 "TYPICAL SECTION - LOCAL STREET"

ITEM SPECIAL - DRAIN BASINS

ALL DRAIN BASINS SHALL BE AS MANUFACTURED BY NYLOPLAST OR AN APPROVED EQUAL. ALL STRUCTURES SHALL HAVE STANDARD CAST IRON GRATES. THE CONTRACTOR SHALL ADHERE TO THE MANUFACTURER'S SPECIFICATIONS AND INSTALLATION RECOMMENDATIONS FOR EACH STRUCTURE TYPE. ALL MATERIALS AND LABOR, INCLUDING EXCAVATION, BACKFILLING AND CONNECTION OF STRUCTURES TO CONCRETE PIPE SHALL BE PAID FOR UNDER ITEM SPECIAL - DRAIN BASIN. EXCAVATION AND BACKFILLING REQUIREMENTS SHALL FOLLOW CMS ITEM 611.

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RESIDENTIAL DRAINAGE CONNECTIONS

ALL EXISTING AND UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT INTO A DRAINAGE STRUCTURE OR STORM SEWER. THE PIPE SHALL BE CONNECTED TO THE STORM SEWER USING A KOR-N-TEE FLEXIBLE CONNECTOR, OR EQUAL. ALL EFFORT AND SPECIAL FITTINGS FOR CONNECTION TO THE STORM SEWER AND THE EXISTING ROOF LINE SHALL BE CONSIDERED AS INCIDENTAL TO THE INSTALLATION OF THE ROOF DRAIN PIPING PAY ITEM. ADDITIONAL CONNECTIONS TO THE PROPERTY LINE MAY BE ORDERED AND/ OR AUTHORIZED BY THE ENGINEER, SEE PLANS FOR ADDITIONAL CONNECTIONS. THE TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER OR SHALL MEET THE EXISTING CONDUIT SIZE AT A MINIMUM.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE BID BOOK FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

ITEM 603 - 4" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 25 FT

VI. STORM WATER POLLUTION PREVENTION:

(A) FOR PROJECTS LESS THAN ONE (1) ACRE OF TOTAL LAND-DISTURBANCE:

AN EPA NPDES CONSTRUCTION STORM WATER PERMIT AND SWP3 IS NOT REQUIRED. HOWEVER, THE DEVELOPER/ CONTRACTOR SHALL STILL ENSURE THAT APPROPRIATE PRACTICES ARE IN PLACE TO PROVIDE CONSTRUCTION RUNOFF AND EROSION AND SEDIMENT CONTROLS WITHIN THE PROJECT LIMITS. SUCH PRACTICES MAY INCLUDE THE USE OF SILT FENCE, STORM DRAIN INLET PROTECTION, JUTE MATTING, TEMPORARY SEEDING, MULCHING, CHECK DAMS, CONSTRUCTION ENTRANCES, CONCRETE WASHOUT AREAS, ETC. ALL PRACTICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE OHIO DEPARTMENT OF NATURAL RESOURCES' RAINWATER AND LAND DEVELOPMENT MANUAL, AS APPLICABLE.

EROSION AND SEDIMENT CONTROL PRACTICES MUST BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL PRACTICES AND WILL BE HELD RESPONSIBLE FOR ADDRESSING ANY ON- OR OFF-SITE EROSION/SEDIMENT ISSUES RELATED TO THE PROJECT. THE OWNER/DEVELOPER/CONTRACTOR SHALL ABIDE BY ALL ORDERS ISSUED BY THE CITY PURSUANT TO INSPECTION OF THE PROJECT SITE.

VII. TRAFFIC:

(A) MAINTAINING TRAFFIC:

THE CONTRACTOR SHALL MAINTAIN TRAFFIC ADJACENT TO AND THROUGH THE PROJECT AS DESCRIBED BELOW AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO DEPARTMENT OF TRANSPORTATION MANUAL OF CONSTRUCTION AND MATERIALS SPECIFICATIONS ITEM 614 MAINTAINING TRAFFIC. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL SIGNS, FLAGS, FLAGMEN, WATCHMEN, BARRICADES, SIGN SUPPORTS, CONES, BARRELS, AND INCIDENTALS IN CONFORMANCE WITH THE MOST RECENT REVISIONS OF THE CURRENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. INTERFERENCE WITH VEHICULAR TRAFFIC SHALL BE KEPT TO A MINIMUM AT ALL TIMES. ALL OPEN TRENCHES AND EXCAVATIONS SHALL BE PROTECTED WITH DRUMS, BARRICADES, OR BARRIERS. ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY AND FIRE DEPARTMENT VEHICLES.

ANY TEMPORARY ROADWAY CLOSING MUST BE APPROVED IN WRITING BY THE CITY TRAFFIC ENGINEER AND ANY OTHER PUBLIC AGENCY HAVING JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEER AT LEAST 72 HOURS IN ADVANCE OF ANY SUCH CLOSINGS FOR PUBLICATION AND EMERGENCY AGENCY NOTIFICATION.

(B) RESIDENTIAL AND BUSINESS AREAS:

THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL RESIDENCES AND BUSINESSES DURING CONSTRUCTION. IN THE EVENT A DRIVE ACCESS NEEDS TO BE CLOSED, THE CONTRACTOR SHALL GIVE NOTICE OF CLOSURE AND DURATION TO THE PROPERTY OWNER 24 HOURS IN ADVANCE. CONTRACTOR SHALL ARRANGE FOR ALTERNATE PARKING AND REASONABLE ACCESS FOR THOSE PROPERTY OWNERS AFFECTED BY DRIVE CLOSURES.

(C) EXISTING STREET NAME AND TRAFFIC CONTROL SIGNS:

WHERE WORK REQUIRES THE MOVEMENT OF EXISTING SIGNS (STOP SIGNS, SPEED LIMIT SIGNS, NO PARKING SIGNS, ETC.). THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FUNCTION OF ALL TRAFFIC CONTROL SIGNS. ALL SIGNS REMOVED BY THE CONTRACTOR SHALL BE STORED ON SITE AND REINSTALLED BY THE CONTRACTOR.

(D) NEW STREET NAME & TRAFFIC CONTROL SIGNS:

ALL STREET NAME AND TRAFFIC CONTROL SIGNS SHALL COME COMPLETE AND BE MADE IN ACCORDANCE WITH THE CITY OF CANTON SIGN AND PAINT DEPARTMENT SPECIFICATIONS. GENERALLY, ALL SIGNS SHALL HAVE HI-INTENSITY SHEETING AND BE MADE WITH .080 50/52 ALUMINUM. STREET NAME SIGNS SHALL BE MADE WITH WHITE UPPER AND LOWER CASE LETTERING ON GREEN BACKGROUND USING 9" BLANKS, BE DOUBLED SIDED W/RADIUS CORNERS AND HAVE 6" NAME AND 3" SUFFIXES. ALL SIGN RELATED HARDWARE IS TO BE INCLUDED, SUCH AS 6" HEAVY DUTY U-CHANNEL CAPS AND STREET NAME CROSSES.

FOR SUBDIVISION DEVELOPMENTS, ALL PERMANENT STREET NAME SIGNS AND TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

(E) SIDEWALK CLOSURE:

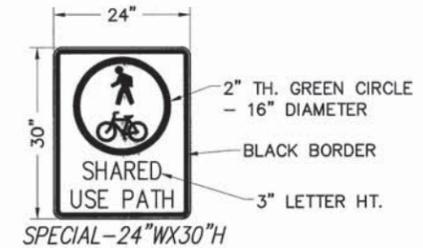
WHEN IT BECOMES NECESSARY TO CLOSE A LENGTH OF SIDEWALK DUE TO SIDEWALK CONSTRUCTION, PEDESTRIAN TRAFFIC SHALL BE MAINTAINED WITH THE USE OF A DETOUR IN ACCORDANCE TO THE REQUIREMENTS OF 614.02 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS. PEDESTRIAN INGRESS/EGRESS OF THE BUILDING, DURING THE CONSTRUCTION, SHALL BE COORDINATED BY THE CONTRACTOR.

ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND STORAGE

THE CONTRACTOR SHALL REMOVE THE EXISTING SIGNS WITH CARE, NOTIFY THE CITY THAT THE SIGNS HAVE BEEN REMOVED AND STORE AT A LOCATION FOR THE CITY TO PICK UP.

ITEM 630 - SPECIAL, 24"X30" SHARED USE PATH SIGN

SYMBOL SIZE, TEXT AND BORDER TO BE DONE PER ODOT SDMM AND ODOTCD.



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Table with columns: REV. BY, DATE, DESC. and rows for revision tracking.

Table with columns: SCALES, HORIZ, VERT, CONTOUR INT and values: X, X, X, X.

GENERAL NOTES
CLEVELAND AVENUE NW ROADWAY IMPROVEMENTS - PHASE 1
FOR: CITY OF CANTON
LOCATED IN STARK COUNTY, OHIO

P:\Stark\Cleveland Ave - 9th Street\Dwg\Cleveland-9th Street - details - 9/16/19 - 2:17pm: rgrimm

**VIII. WATER MAIN / SERVICES:**

THE CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY PRECAUTIONS TO PROTECT AND MAINTAIN IN SERVICE, ANY EXISTING WATER MAINS EXPOSED DURING CONSTRUCTION.

ANY WATER SERVICE LINE THAT IS BROKEN, CUT OR OTHERWISE DAMAGED, SHALL BE REPLACED FROM THE CORPORATION STOP TO THE CURB STOP WITH A SINGLE PIECE OF PLASTIC SERVICE LINE (DRISCOPEX). NO SPlicing OF THE SERVICE LINE WILL BE PERMITTED.

SERVICE BRANCHES WILL BE INSTALLED AS PER O.D.O.T ITEM 638.16 WITH THE FOLLOWING EXCEPTIONS:

1. WHEN A SERVICE BRANCH IS DISTURBED FOR LOWERING, RAISING, EXTENDING OR SHORTENING ON THE PROPERTY SIDE ON THE SERVICE STOP, IT SHALL BE REPLACED WITH NEW MATERIALS FROM THE CORPORATION STOP TO THE SERVICE STOP.

WHEN AN EXISTING WATER MAIN MUST BE SHUT DOWN TO PERFORM REQUIRED WORK, THE PROPERTIES TO BE EFFECTED SHALL BE GIVEN A MINIMUM 24 HOUR NOTICE OF SAID SHUT DOWN. THE WORK WILL BE SCHEDULED AND COORDINATED TO MINIMIZE THE TIME THE MAIN IS OUT OF SERVICE.

THE CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS IN ADVANCE OF ANY SHUT DOWN OF AN EXISTING WATER MAIN. THE CONTRACTOR WILL NOT OPERATE ANY VALVES. VALVES WILL BE OPERATED BY CANTON WATER DEPARTMENT PERSONNEL ONLY. VALVES DAMAGED BY THE CONTRACTOR'S OPERATION WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL VALVE BOXES WILL BE ADJUSTED TO FINAL GRADE OF THE PAVEMENT WHEN THE PROJECT IS COMPLETED.

**IX. POST CONSTRUCTION INCIDENTALS**

**(A) AS-BUILT DRAWINGS:**

AS-BUILT REPRODUCIBLE MYLARS SHALL BE PROVIDED TO THE CITY OF CANTON BY THE DESIGN ENGINEER AT THE COMPLETION OF THE PROJECT. AS-BUILT INFORMATION CONSISTS OF POST-CONSTRUCTION FIELD SURVEY DATA OF THE LOCATION, FLOWLINE ELEVATIONS, AND TOP-OF-GRATE/RIM ELEVATIONS FOR ALL STORM AND SANITARY STRUCTURES CONSTRUCTED AND/OR IMPACTED BY THE PROJECT.

**X. ELECTRICAL**

**(A) ELECTRICAL ITEMS:**

THE PLANS DETAIL THE ELECTRICAL ITEMS ANTICIPATED TO COMPLETE THE PROJECT. THESE ARE ONLY ESTIMATED QUANTITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INCORPORATE ALL ITEMS WITHIN THE SCOPE OF THE CONTRACT.

**(B) LIGHT POLES:**

THE CITY SHALL PROVIDE THE DECORATIVE LIGHT POLES, LUMINAIRES AND FIXTURES NEEDED TO COMPLETE THE LIGHTING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER MATERIALS NEEDED TO COMPLETE THE LIGHT INSTALLATION.

**(C) TRENCHING FOR ELECTRICAL CONDUIT:**

ELECTRICAL CONDUIT SHALL BE INSTALLED BEHIND THE CURB TRENCH WHERE POSSIBLE. (THERE SHALL BE NO PAY ITEM FOR CONDUIT PARALLEL AND ADJACENT TO THE CURB.) THE TRENCH ITEM IS INTENDED FOR TRANSVERSE ELECTRICAL CONDUIT UNDER THE SIDEWALK AND A SEPARATE ITEM FOR TRENCHING IN THE ROADWAY. ROADWAY ITEMS INCLUDING PAVEMENT REMOVAL AND RESTORATION IS INCIDENTAL TO THE TRENCHING ITEM.

**(D) TRAFFIC CONTROL:**

PROPER TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF TRANSVERSE CONDUIT TRENCHES ACROSS THE ROADWAY ARE REQUIRED, THE CONTRACTOR SHALL USE HALF-WIDTH CONSTRUCTION.

**(E) ELECTRICAL QUALIFICATIONS:**

ALL ELECTRICAL WORK ASSOCIATED WITH THE INSTALLATION OF THE STREET LIGHTING SYSTEM SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR AND SHALL MEET THE MINIMUM REQUIREMENTS AS SET FORTH IN THE NATIONAL ELECTRICAL CODE (NFPA 70), OSHA REQUIREMENTS, AND LOCAL REQUIREMENTS, ALL AS INTERPRETED BY THOSE HAVING JURISDICTION.

**(F) ADDITIONAL ELECTRICAL NOTES:**

CONDUIT SHALL BE CLEANED OF ALL DEBRIS BEFORE INSTALLATION OF CONDUCTORS.

GROUNDING CONDUCTOR IN CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS BETWEEN RISER AND ALL LIGHTING FIXTURES.

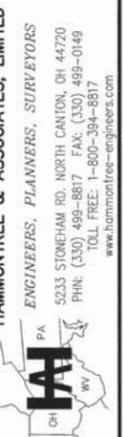
ALL WIRING SHALL BE CLEARLY AND PERMANENTLY MARKED TO ASSURE PROPER CONNECTIONS.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE CONSTRUCTING THE CONDUIT AND FOUNDATIONS FOR ALL LIGHT POLES AND ANY EXCAVATIONS.

**ITEM SPECIAL - PLASTIC CAUTION TAPE**

THE LOCATION OF UNDERGROUND CONDUIT AND BURIED ELECTRICAL CABLES SHALL BE MARKED BY THE USE OF A CONTINUOUS IDENTIFYING TAPE BURIED IN THE TRENCH ABOVE THE LINE. THE IDENTIFYING TAPE SHALL BE OF INERT MATERIAL, APPROXIMATELY 6 INCHES WIDE COMPOSED OF POLYETHYLENE PLASTIC, HIGHLY RESISTANT TO ALKALIS, ACIDS, OR OTHER CHEMICAL COMPONENTS LIKELY TO BE ENCOUNTERED IN SOILS. THE TAPE SHALL BE BRIGHT RED WITH IDENTIFYING PRINTING "ELECTRIC" IN BLACK LETTERS, ONE SIDE ONLY. TAPE SHALL BE SUPPLIED IN CONTINUOUS ROLLS WITH THE IDENTIFYING LETTERING REPEATED CONTINUOUSLY THE FULL LENGTH OF THE TAPE. THE IDENTIFYING TAPE SHALL BE BURIED IN THE ELECTRIC LINE TRENCH WITH ONE STRIP APPROXIMATELY 6 INCHES TO 10 INCHES BELOW THE FINAL FINISHED GRADE. THE TAPE SHALL BE PLACED IN THE TRENCH WITH THE PRINTED SIDE UP AND SHALL BE ESSENTIALLY PARALLEL WITH THE FINISHED SURFACE. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT THE TAPE IS NOT PULLED, DISTORTED, OR OTHERWISE MISPLACED IN COMPLETING THE TRENCH BACKFILL. A QUANTITY HAS BEEN PROVIDED AND SHALL BE PAID FOR PER FOOT OF "ITEM SPECIAL - PLASTIC CAUTION TAPE" COMPLETE AND IN PLACE.

P:\Stark\Cleveland Ave - 9th Street\Draw\Cleveland-9th Street - details - ph 1.dwg: 9/16/19 - 2:18pm: rgrimm



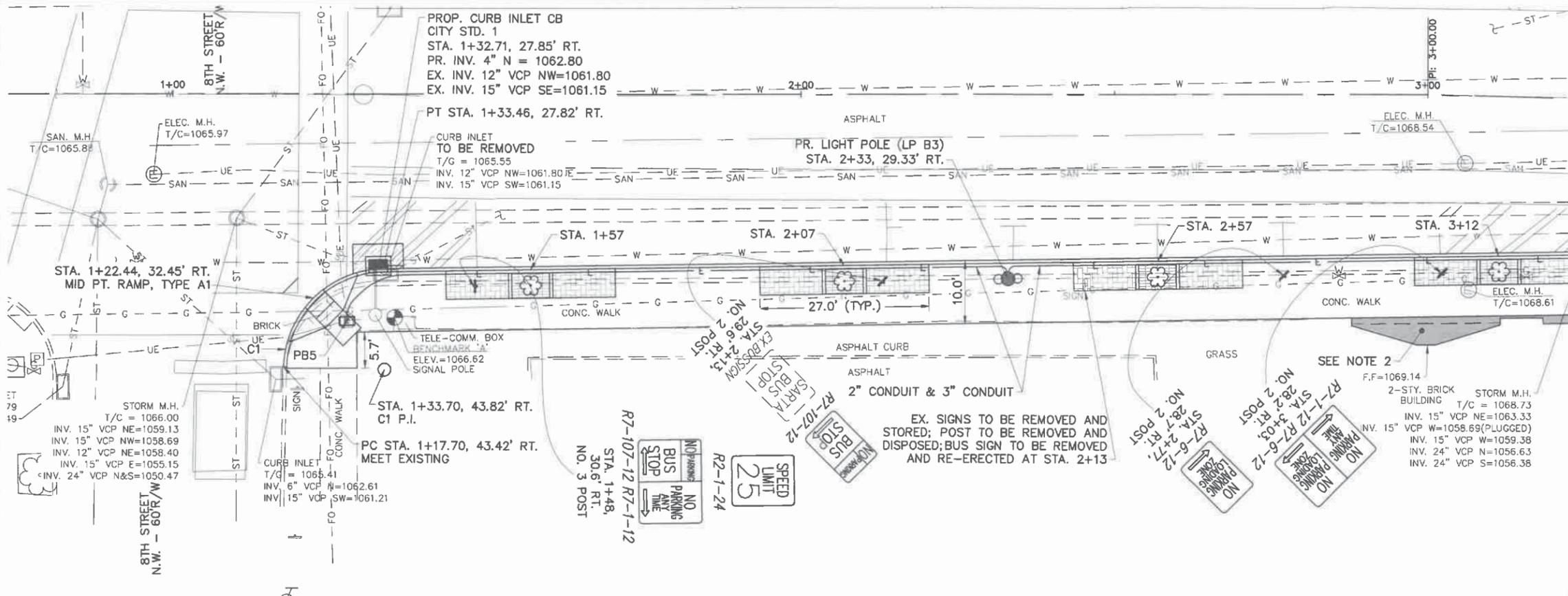
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RVWD BY: KJJ	DATE: _____	DESC: _____
FLD BK: _____	DATE: _____	DESC: _____
BK PG: _____	DATE: 7/27/17	DESC: _____

SCALES	
HORIZ:	x-x-x
VERT:	x-x-x
CONTOUR INT:	x

GENERAL NOTES  
 CLEVELAND AVENUE NW ROADWAY  
 IMPROVEMENTS - PHASE 1  
 FOR: CITY OF CANTON  
 LOCATED IN STARK COUNTY, OHIO

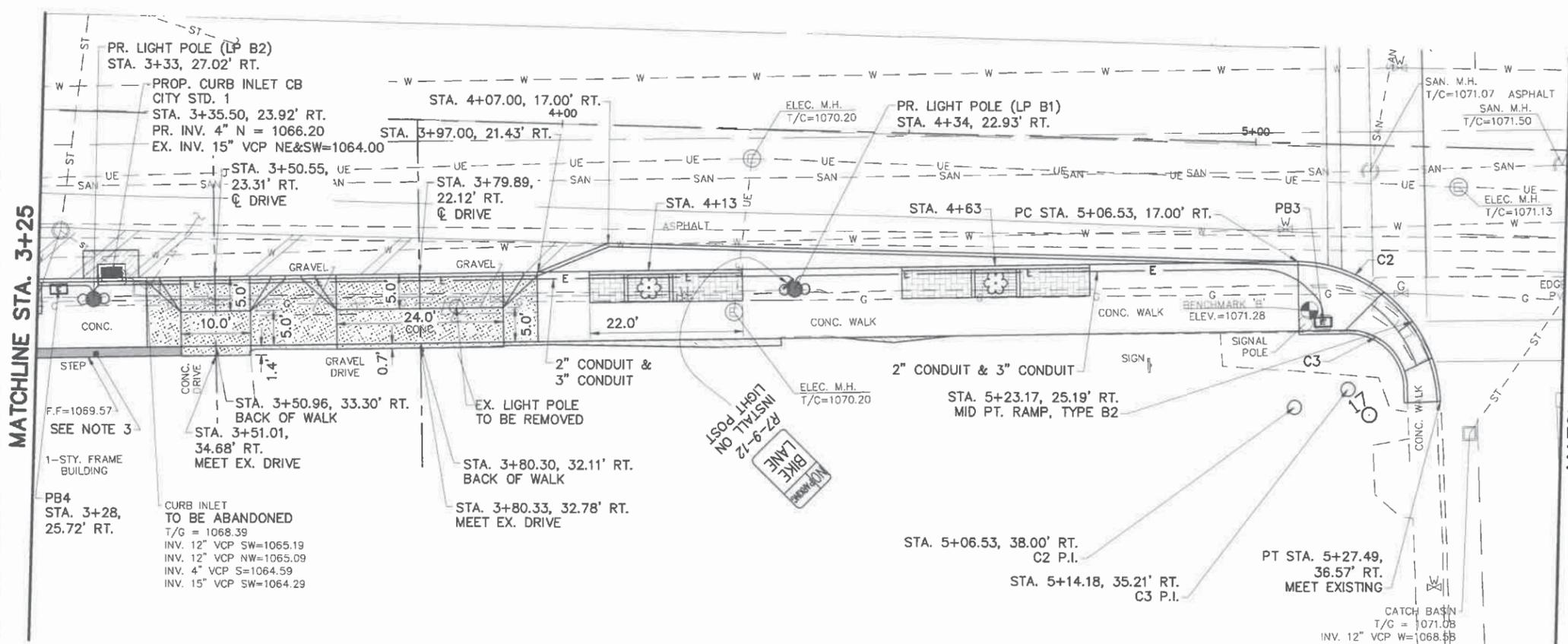
BENCHMARK 'A'  
CHISELED "SQUARE" ON S.W. CORNER OF CONCRETE PAD FOR  
TRAFFIC CONTROL BOX AT N.E. CORNER OF CLEVELAND AVE.  
N.W. AND 8TH STREET N.W. INTERSECTION.  
ELEV. 1066.62

BENCHMARK 'B'  
CHISELED "X" ON TOP OF N.W. CORNER OF CONCRETE PAD FOR  
TRAFFIC POLE AT S.E. CORNER OF CLEVELAND AVE. N.W. AND  
9TH STREET N.W. INTERSECTION.  
ELEV. 1071.28



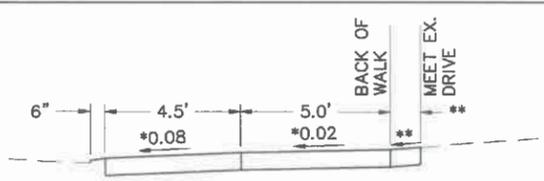
- NOTES:**
- ADJUST ALL EXISTING VALVES TO GRADE.
  - THE EXISTING WALK IN FRONT OF THE BUILDING SHALL BE REMOVED AND RECONSTRUCTED FROM THE BACK OF THE PROPOSED 10 FT WALK, PROVIDING A POSITIVE SLOPE FROM THE FINISHED FLOOR ELEVATION TO THE PROPOSED TOP OF CURB. THE CONTRACTOR SHALL TAKE CARE AS NOT TO DISTURB ANY PART OF THE BUILDING. ANY DAMAGE CAUSED SHALL BE FULLY RESTORED OR REPLACED BY THE CONTRACTOR WITH ALL RELATED COSTS BEING THE FULL RESPONSIBILITY OF THE CONTRACTOR.
  - THE PROPOSED 10 FT WALK SHALL BE PLACED AT PLAN SLOPE, PROVIDING A POSITIVE SLOPE FROM THE BUILDING FACE AND CONCRETE STEP TO THE PROPOSED TOP OF CURB. THE SLOPE OF THE WALK MAY BE ADJUSTED IN FRONT OF THE WALK TO ALLOW A MINIMUM STEP HEIGHT OF 4 INCHES. THE CONTRACTOR SHALL TAKE CARE AS NOT TO DISTURB ANY PART OF THE BUILDING AND STEP. ANY DAMAGE CAUSED SHALL BE FULLY RESTORED OR REPLACED BY THE CONTRACTOR WITH ALL RELATED COSTS BEING THE FULL RESPONSIBILITY OF THE CONTRACTOR.

MATCHLINE STA. 3+25



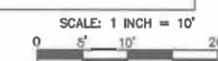
CURVE #	RADIUS	LENGTH	Δ
C1 *	16.00'	24.50'	87°44'18"
C2 *	21.00'	31.55'	86°05'26"
C3 **	8.50'	13.20'	88°59'34"

- (\* = MEASURED AT FACE OF CURB)  
(\*\* = MEASURED AT BACK OF WALK)
- ITEM 608 - 5" CONCRETE WALK (BEYOND NORMAL WALK WIDTH)
  - ITEM 411 - 8" STABILIZED AGGREGATE BASE
  - ITEM 608 - 7" CONCRETE WALK & APRON
  - ASPHALT CONCRETE PAVEMENT RESTORATION FOR DRAINAGE INSTALLATION & ASPHALT RAMP CONSTRUCTION (SEE CITY STD. DWG NO. 31)



**DRIVE CROSS-SECTION DETAIL**  
STA. 3+50.55 & STA. 3+79.89

\* = MAXIMUM SLOPE  
\*\* = VARIES, SEE PLAN FOR PROPOSED CONCRETE DRIVE LENGTH REPLACEMENT.



P:\Stark\Cleveland Ave - 9th Street\Draw\Cleveland-9th Street - plans - ph 1.dwg; 9/16/19 - 2:19pm; rgrimm

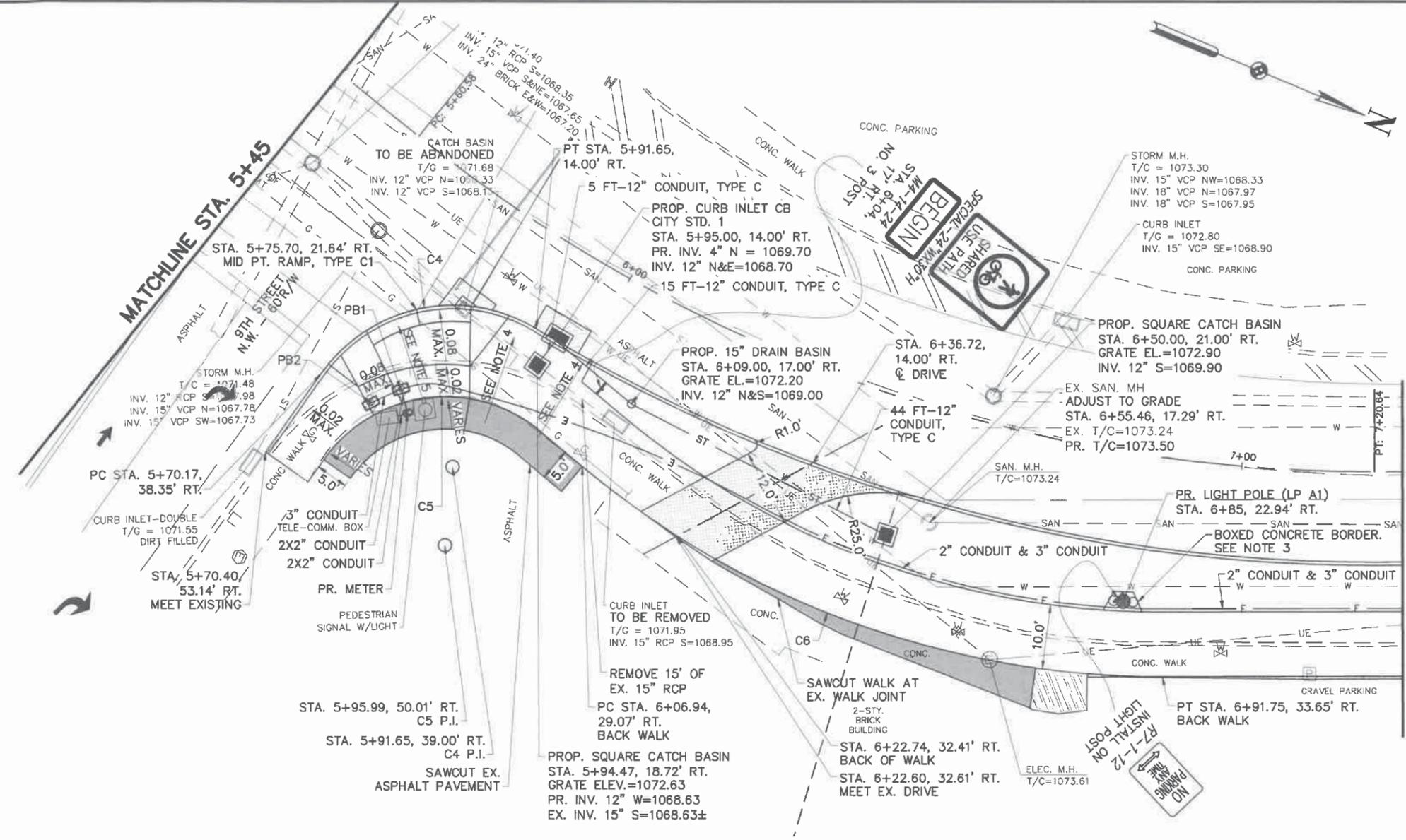
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DESIGN BY:	REG. NO.:	DATE:
DRWN BY:	REG. NO.:	DATE:
CHKD BY:	REG. NO.:	DATE:
FLD BK:	REG. NO.:	DATE:
BK PG:	REG. NO.:	DATE:

PLAN  
 CLEVELAND AVENUE NW ROADWAY  
 IMPROVEMENTS - PHASE 1  
 FOR: CITY OF CANTON  
 LOCATED IN STARK COUNTY, OHIO

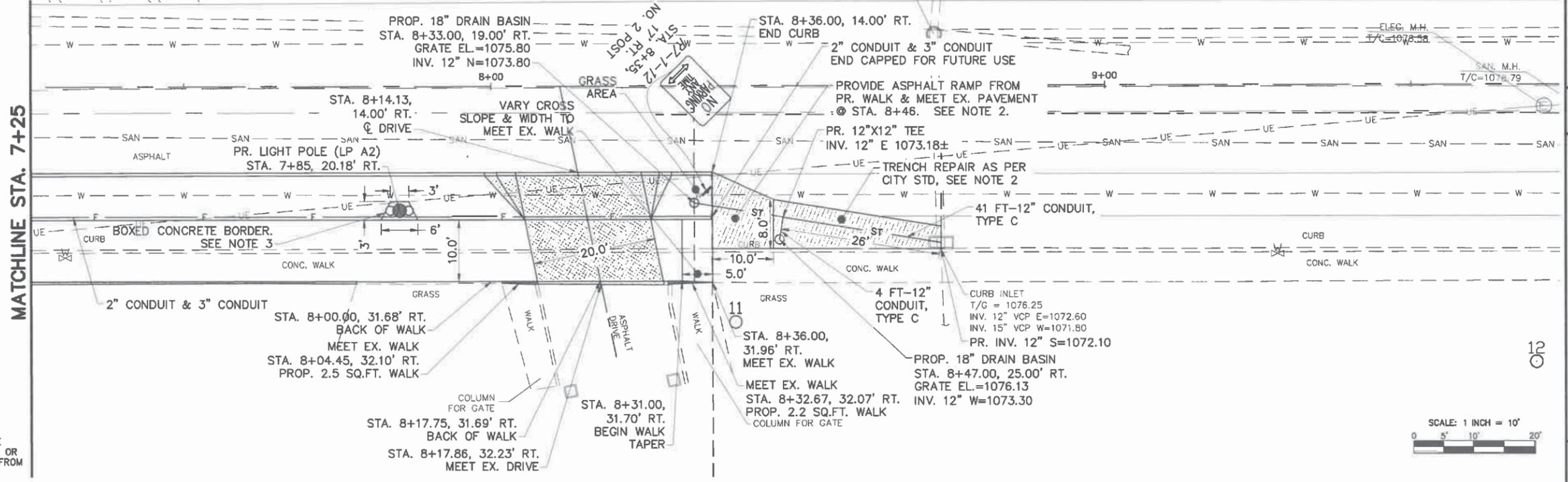
6 8



CURVE #	RADIUS	LENGTH	Δ
C4 *	25.00'	37.48'	85°54'15"
C5 **	23.00'	37.98'	94°36'50"
C6 **	140.00'	97.64'	39°57'34"
C6 P.I.	STA. 6+61.17, 104.21' LT.		

- (\* = MEASURED AT FACE OF CURB)  
(\*\* = MEASURED AT BACK OF WALK)
- ITEM 608 - 5" CONCRETE WALK (BEYOND NORMAL WALK WIDTH)
  - ITEM 411 - 8" STABILIZED AGGREGATE BASE
  - ITEM 608 - 7" CONCRETE WALK & APRON
  - ASPHALT CONCRETE PAVEMENT RESTORATION FOR DRAINAGE INSTALLATION & ASPHALT RAMP CONSTRUCTION (SEE CITY STD. DWG NO. 31 & NOTE 2)

- NOTES:**
- ADJUST ALL EXISTING VALVES TO GRADE.
  - FROM STA. 8+36 TO STA. 8+73 (EX. CATCH BASIN), THE CONTRACTOR SHALL RESTORE THE PAVEMENT PER CITY STD DWG. NO. 31 EXCEPT CONCRETE BASE WILL NOT BE REQUIRED AS SHOWN. THE CONTRACTOR SHALL ONLY BE REQUIRED TO PLACE SURFACE AND INTERMEDIATE COURSE LAYERS PER THE CITY TYPICAL SECTION THICKNESS, WITH BACKFILL MATERIAL BEING PLACED TO THE BOTTOM OF THE INTERMEDIATE COURSE. FOR THE RAMP SECTION, THE CONTRACTOR SHALL RAMP THE ASPHALT FROM THE PROPOSED WALK ELEVATION AT STA. 8+36 TO THE EXISTING PAVEMENT ELEVATION AT STA. 8+46, ADDITIONAL INTERMEDIATE ASPHALT QUANTITY HAS BEEN PROVIDED FOR THE SECTION OF RAMP TO MEET THE EXISTING PAVEMENT GRADE.
  - AFTER THE CONCRETE FOUNDATION FOR THE LIGHT POLE HAS BEEN POURED, THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONCRETE WITH THE DIMENSIONS SHOWN AND A BUILDUP PER THE TYPICAL SECTION FOR 5" CONCRETE WALK. QUANTITIES HAVE BEEN PROVIDED.
  - SAWCUT ASPHALT PAVEMENT 5 FT BEHIND BACK OF WALK. PLACE CONCRETE WALK AT A VARYING SLOPE FROM SAWCUT EDGE TO TOP OF CURB.
  - SLOPE RAMP PER TYPE C1 RAMP TO BACK OF WALK. FROM BACK OF WALK, SLOPE TO MEET SAWCUT AT 5 FT BEHIND BACK OF WALK.



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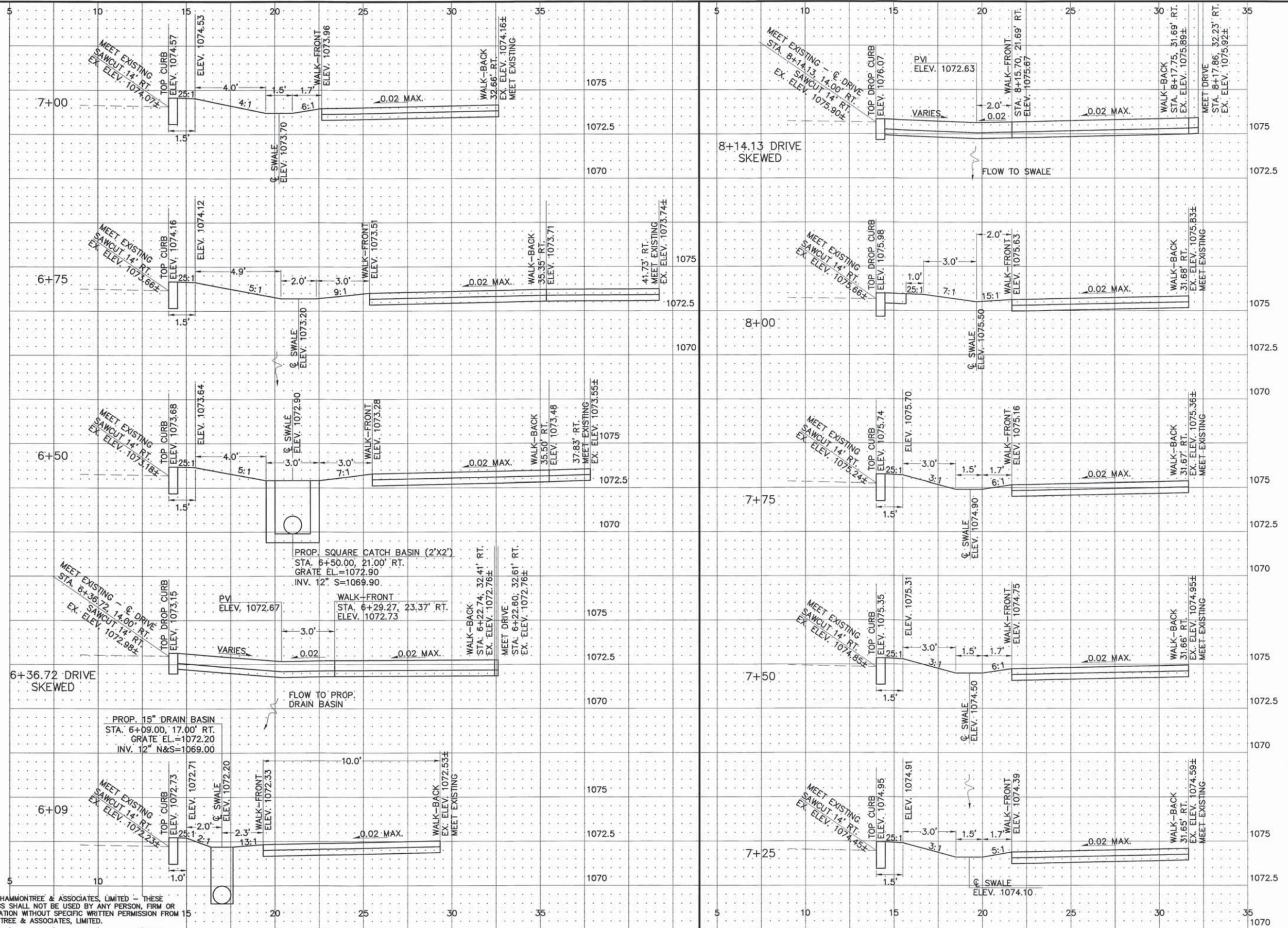
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PLAN  
CLEVELAND AVENUE NW ROADWAY IMPROVEMENTS - PHASE 1  
FOR: CITY OF CANTON  
LOCATED IN STARK COUNTY, OHIO

SCALE: 10'

7 8

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DITCH CROSS SECTIONS  
 CLEVELAND AVENUE NW ROADWAY IMPROVEMENTS - PHASE 1  
 FOR: CITY OF CANTON, OHIO  
 LOCATED IN STARK COUNTY, OHIO