

1 CURVE DATA

P.I.	= Sta. 22+40.35
Δ	= 3°08'38" Rt.
D _C	= 05°43'46"
R	= 1000.00'
T	= 27.44'
L	= 54.87'
E	= 0.38'
C	= 54.86'
C.B.	= N 68°34'52" E
P.C.	= Sta. 22+12.91
P.T.	= Sta. 22+67.78

2 CURVE DATA

P.I.	= Sta. 23+76.29
Δ	= 13°40'13" Lt.
D _C	= 14°19'26"
R	= 400.00'
T	= 47.95'
L	= 95.44'
E	= 2.86'
C	= 95.21'
C.B.	= N 63°19'04" E
P.C.	= Sta. 23+28.34
P.T.	= Sta. 24+23.78

3 CURVE DATA

P.I.	= Sta. 25+58.59
Δ	= 17°59'41" Rt.
D _C	= 12°43'57"
R	= 450.00'
T	= 71.25'
L	= 141.33'
E	= 5.61'
C	= 140.75'
C.B.	= N 65°28'48" E
P.C.	= Sta. 24+87.34
P.T.	= Sta. 26+28.67

4 CURVE DATA

P.I.	= Sta. 27+10.07
Δ	= 40°22'34" Lt.
D _C	= 76°23'40"
R	= 75.00'
T	= 27.58'
L	= 52.85'
E	= 4.91'
C	= 51.77'
C.B.	= N 54°17'22" E
P.C.	= Sta. 26+82.49
P.T.	= Sta. 27+35.34

5 CURVE DATA

P.I.	= Sta. 28+29.81
Δ	= 32°00'00" Lt.
D _C	= 36°57'54"
R	= 155.00'
T	= 44.47'
L	= 86.59'
E	= 6.25'
C	= 85.45'
C.B.	= N 54°17'22" E
P.C.	= Sta. 27+85.34
P.T.	= Sta. 28+71.91

6 CURVE DATA

P.I.	= Sta. 29+78.46
Δ	= 4°33'59" Rt.
D _C	= 15°16'44"
R	= 375.00'
T	= 14.95'
L	= 29.89'
E	= 0.30'
C	= 29.88'
C.B.	= N 63°49'6" E
P.C.	= Sta. 29+63.51
P.T.	= Sta. 29+93.41

7 CURVE DATA

P.I.	= Sta. 60+52.08
Δ	= 14°38'29" Rt.
D _C	= 14°07'56"
R	= 405.42'
T	= 52.08'
L	= 103.60'
E	= 3.33'
C	= 103.32'
C.B.	= N 5°19'54" W
P.C.	= Sta. 60+00
P.T.	= Sta. 61+03.60

8 CURVE DATA

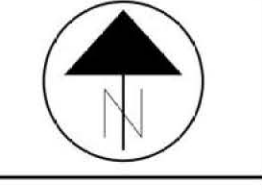
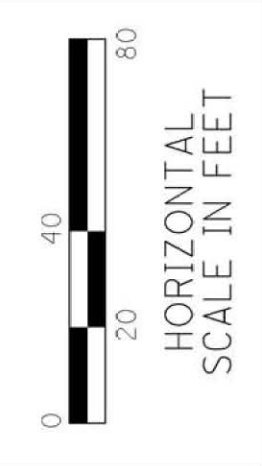
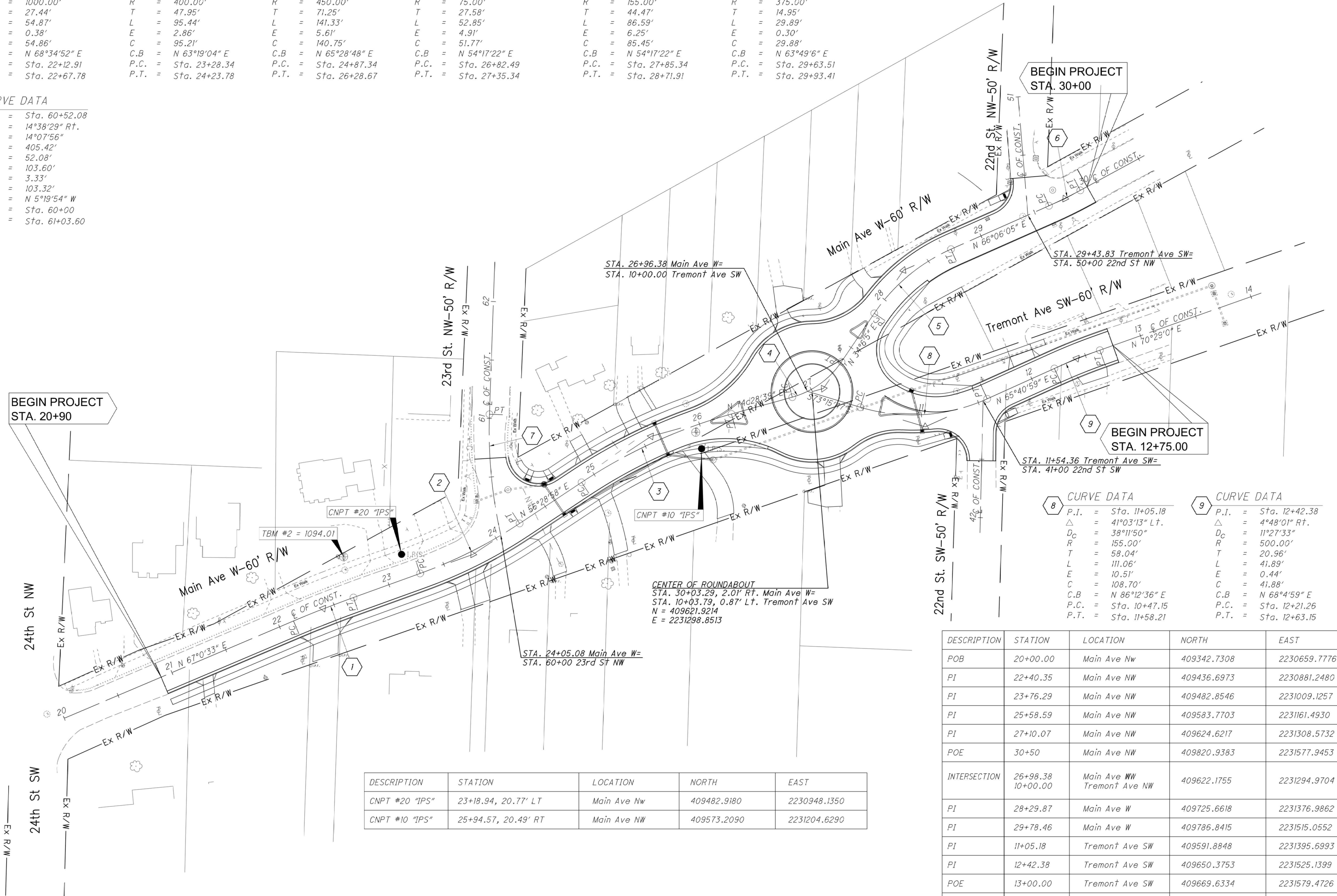
P.I.	= Sta. 11+05.18
Δ	= 41°03'13" Lt.
D _C	= 38°11'50"
R	= 155.00'
T	= 58.04'
L	= 111.06'
E	= 10.51'
C	= 108.70'
C.B.	= N 86°12'36" E
P.C.	= Sta. 10+47.15
P.T.	= Sta. 11+58.21

9 CURVE DATA

P.I.	= Sta. 12+42.38
Δ	= 4°48'01" Rt.
D _C	= 11°27'33"
R	= 500.00'
T	= 20.96'
L	= 41.89'
E	= 0.44'
C	= 41.88'
C.B.	= N 68°4'59" E
P.C.	= Sta. 12+21.26
P.T.	= Sta. 12+63.15

DESCRIPTION	STATION	LOCATION	NORTH	EAST
CNPT #20 "IPS"	23+18.94, 20.77' LT	Main Ave Nw	409482.9180	2230948.1350
CNPT #10 "IPS"	25+94.57, 20.49' RT	Main Ave NW	409573.2090	2231204.6290

DESCRIPTION	STATION	LOCATION	NORTH	EAST
POB	20+00.00	Main Ave Nw	409342.7308	2230659.7776
PI	22+40.35	Main Ave NW	409436.6973	2230881.2480
PI	23+76.29	Main Ave NW	409482.8546	2231009.1257
PI	25+58.59	Main Ave NW	409583.7703	2231161.4930
PI	27+10.07	Main Ave NW	409624.6217	2231308.5732
POE	30+50	Main Ave NW	409820.9383	2231577.9453
INTERSECTION	26+98.38 10+00.00	Main Ave NW Tremont Ave NW	409622.1755	2231294.9704
PI	28+29.87	Main Ave W	409725.6618	2231376.9862
PI	29+78.46	Main Ave W	409786.8415	2231515.0552
PI	11+05.18	Tremont Ave SW	409591.8848	2231395.6993
PI	12+42.38	Tremont Ave SW	409650.3753	2231525.1399
POE	13+00.00	Tremont Ave SW	409669.6334	2231579.4726



STA Main/Tremont RAB
Schematic Plan
City of Massillon
Stark County, Ohio

COMPANY



DESIGNER
FPW

REVIEWER / DATE
AP 7/2025

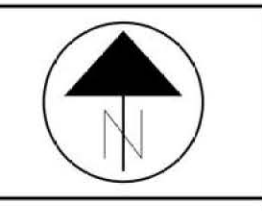
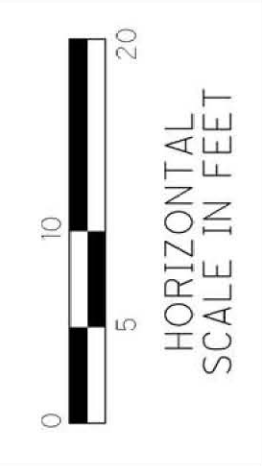
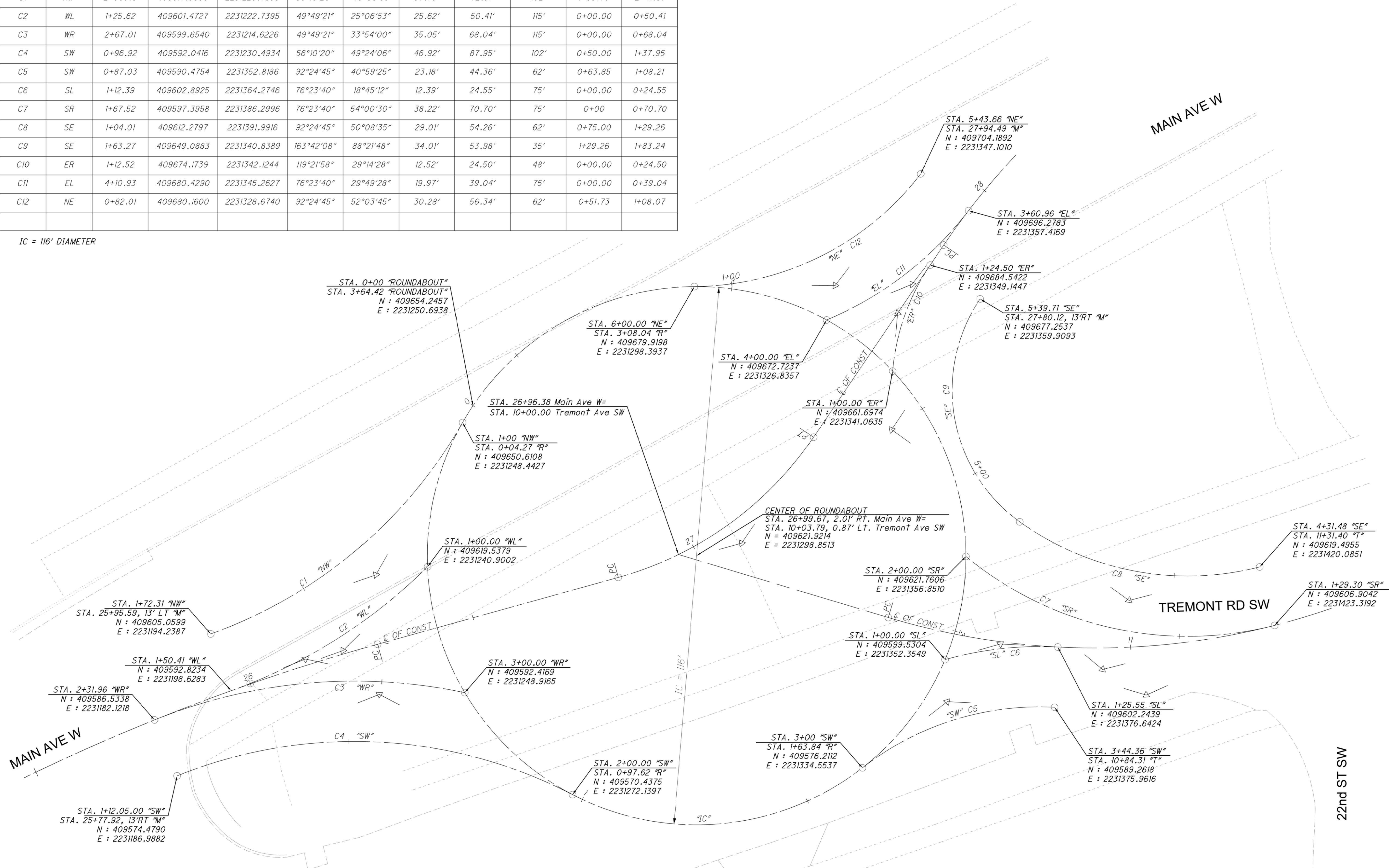
PROJECT ID
00st08/120493

SHEET 2 SHEET 49

CURVE TABLE: ALIGNMENT

CURVE #	REF. LINE	P.I. STATION	P.I. NORTH	P.I. EAST	DEGREE OF CURVE	DELTA	TANGENT LENGTH (FT.)	ARC LENGTH (FT.)	RADIUS	P.C. STATION	P.T. STATION
C1	NW"	2+06.45	409617.8056	2231229.7693	56°10'20"	40°36'59"	37.75'	72.31'	102'	1+68.70	2+41.01
C2	WL	1+25.62	409601.4727	2231222.7395	49°49'21"	25°06'53"	25.62'	50.41'	115'	0+00.00	0+50.41
C3	WR	2+67.01	409599.6540	2231214.6226	49°49'21"	33°54'00"	35.05'	68.04'	115'	0+00.00	0+68.04
C4	SW	0+96.92	409592.0416	2231230.4934	56°10'20"	49°24'06"	46.92'	87.95'	102'	0+50.00	1+37.95
C5	SW	0+87.03	409590.4754	2231352.8186	92°24'45"	40°59'25"	23.18'	44.36'	62'	0+63.85	1+08.21
C6	SL	1+12.39	409602.8925	2231364.2746	76°23'40"	18°45'12"	12.39'	24.55'	75'	0+00.00	0+24.55
C7	SR	1+67.52	409597.3958	2231386.2996	76°23'40"	54°00'30"	38.22'	70.70'	75'	0+00	0+70.70
C8	SE	1+04.01	409612.2797	2231391.9916	92°24'45"	50°08'35"	29.01'	54.26'	62'	0+75.00	1+29.26
C9	SE	1+63.27	409649.0883	2231340.8389	163°42'08"	88°21'48"	34.01'	53.98'	35'	1+29.26	1+83.24
C10	ER	1+12.52	409674.1739	2231342.1244	119°21'58"	29°14'28"	12.52'	24.50'	48'	0+00.00	0+24.50
C11	EL	4+10.93	409680.4290	2231345.2627	76°23'40"	29°49'28"	19.97'	39.04'	75'	0+00.00	0+39.04
C12	NE	0+82.01	409680.1600	2231328.6740	92°24'45"	52°03'45"	30.28'	56.34'	62'	0+51.73	1+08.07

IC = 116' DIAMETER



STA Main/Tremont RAB
 REFERENCE LINE LAYOUT PLAN
 City of Massillon
 Stark County, Ohio

COMPANY



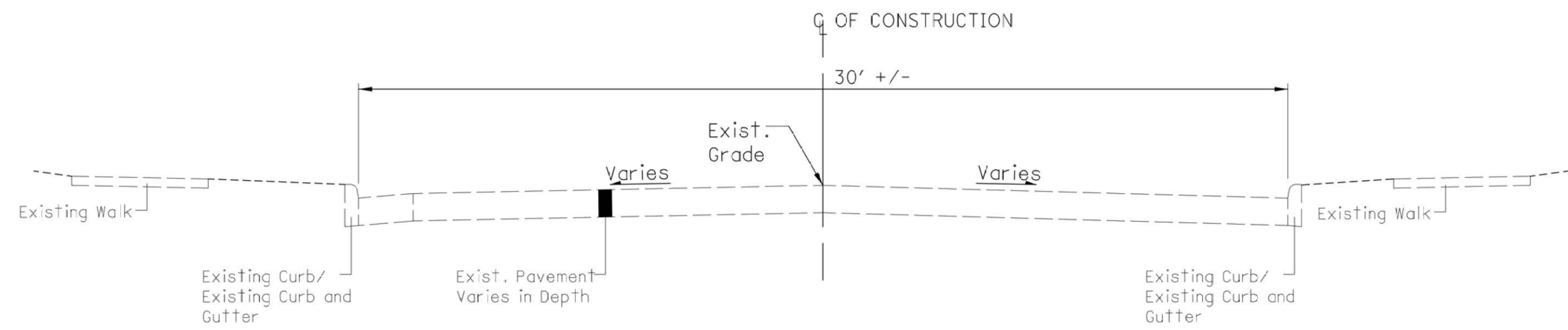
DESIGNER
FW

REVIEWER / DATE
AP 7/2025

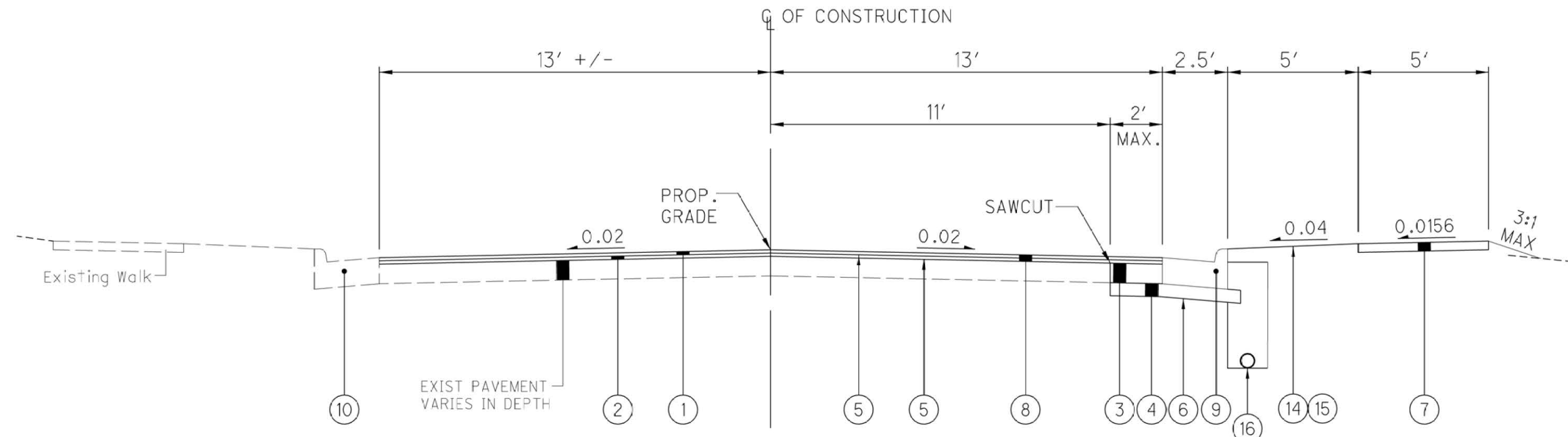
PROJECT ID
00s108/120493

SHEET 3 SHEET 49

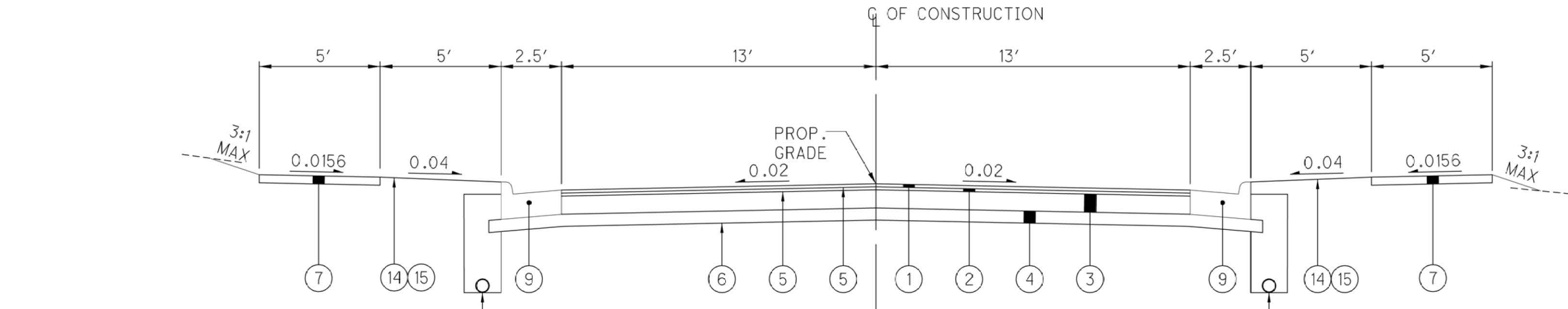
22nd ST SW



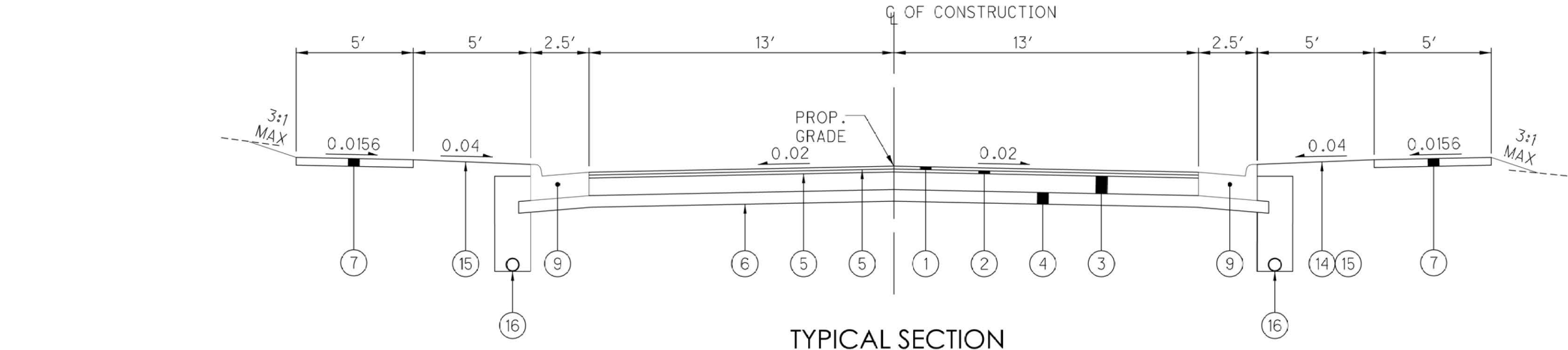
Existing Typical Section
 MAIN AVE W / TREMONT AVE SW
 22ND ST NW / 22ND ST SW / 23RD ST NW



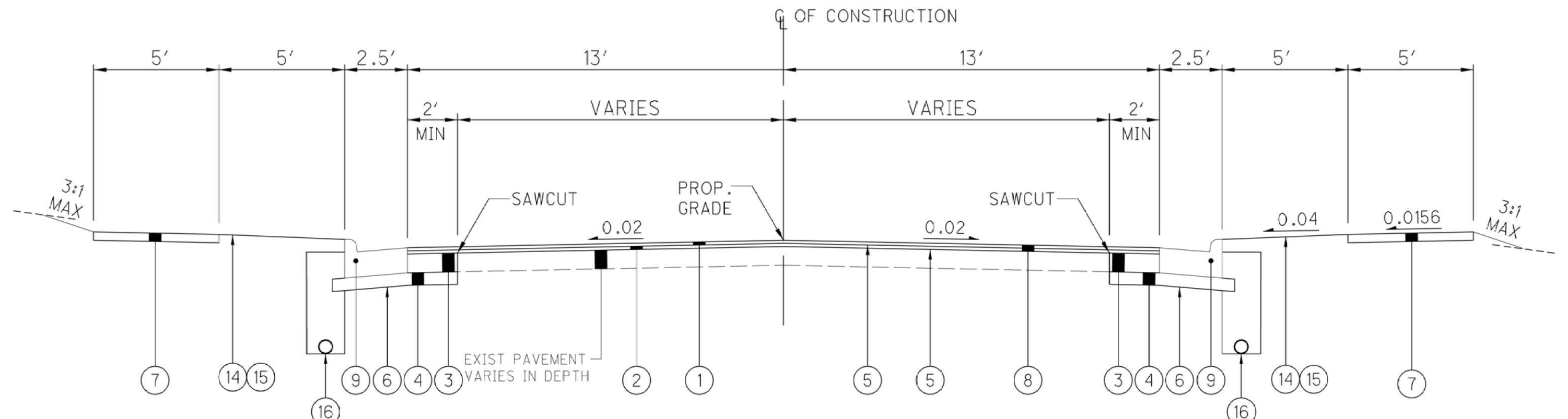
TYPICAL SECTION
 MAIN AVE W
 STA 20+90 TO STA 24+70.16



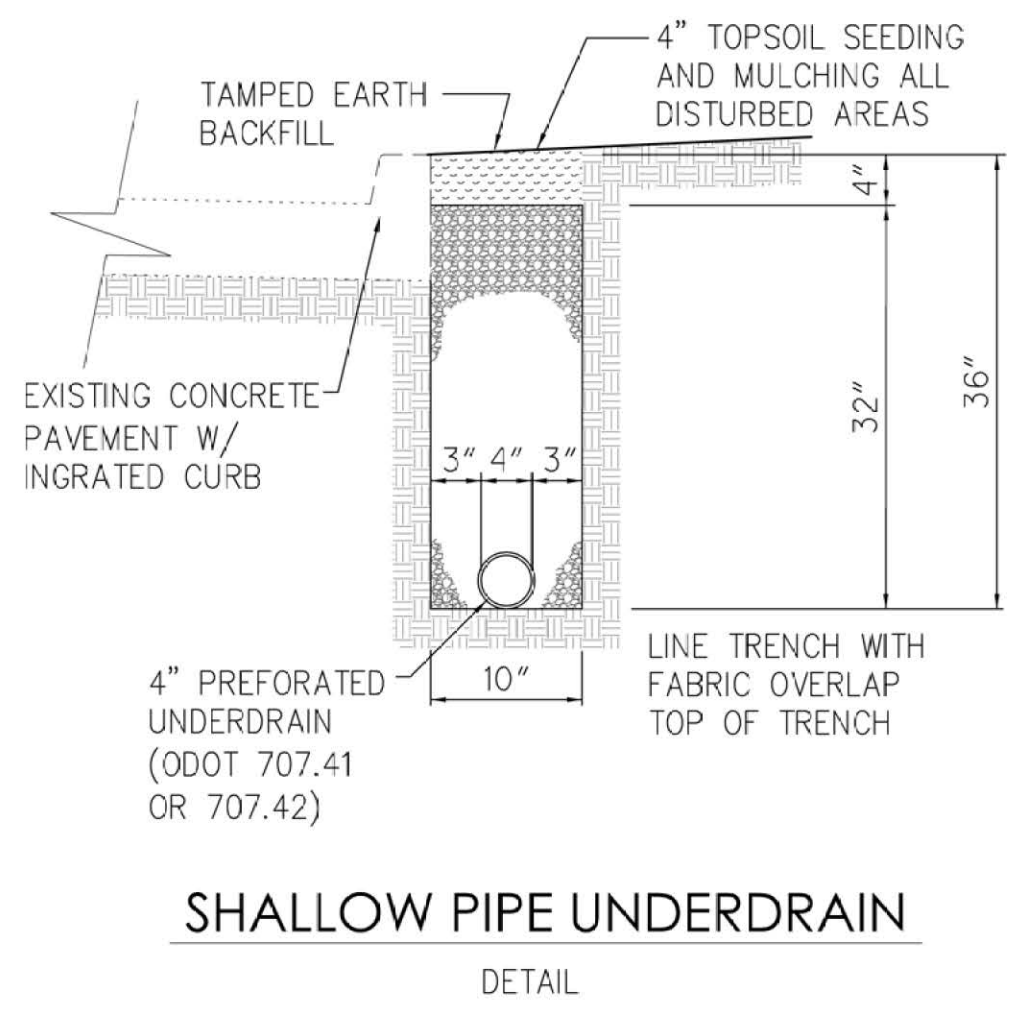
TYPICAL SECTION
 MAIN AVE W
 LEFT: STA 25+50.64 TO STA 25+95.59
 STA 27+80.12 TO STA 29+75
 RIGHT: STA 25+50.64 TO STA 25+77.92
 STA 27+94.49 TO STA 29+75



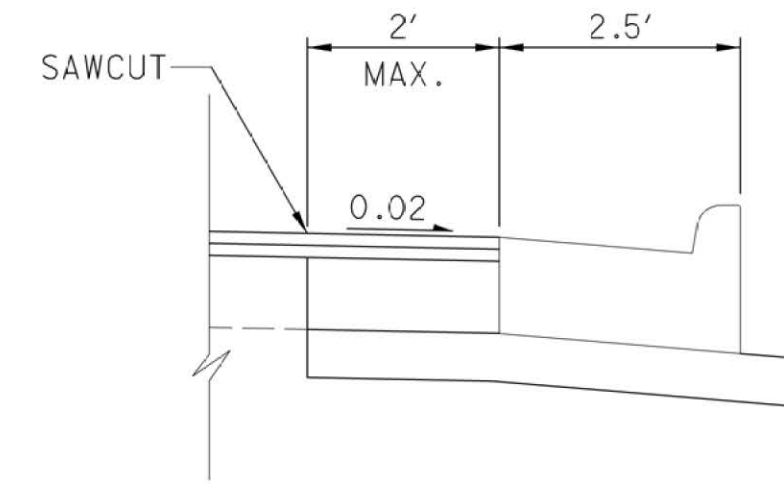
TYPICAL SECTION
 TREMONT AVE SW
 STA 11+31.40 TO STA 12+75



TYPICAL SECTION
 MAIN AVE W
 STA 24+70.16 TO STA 25+50.64



SHALLOW PIPE UNDERDRAIN
 DETAIL



PAVEMENT WIDENING AND REDUCTION
 DETAIL

PROPOSED LEGEND

- ① - ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 [T=1 1/2"]
- ② - ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG 64-22 [T=1 1/2"]
- ③ - ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) [T=9"] MULTIPLE LIFTS
- ④ - ITEM 304 - AGGREGATE BASE [T=6"]
- ⑤ - ITEM 407 - NON-TRACKING TACK COAT (@0.10 GAL/SQ YD)
- ⑥ - ITEM 204 - SUBGRADE COMPACTION
- ⑦ - ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
- ⑧ - ITEM 254 - VARIES PAVEMENT PLANING (3" MAX. TO 0" MIN.), AS PER PLAN
- ⑨ - ITEM 609 - COMBINED CURB AND GUTTER, TYPE 2
- ⑩ - ITEM 609 - CURB, TYPE 6
- ⑪ - ITEM 609 - INTERIOR MOUNTABLE TRUCK APRON CURB
- ⑫ - ITEM 609 - EXTERIOR MOUNTABLE TRUCK APRON CURB
- ⑬ - ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS OCMS (DECORATIVE) (TRUCK APRON) (STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)
- ⑭ - ITEM 653 - TOPSOIL FURNISHED AND PLACED
- ⑮ - ITEM 659 - SEEDING AND MULCHING
- ⑯ - ITEM 605 - 4" SHALLOW PIPE UNDERDRAINS

STA Main/Tremont RAB

Typical Section
 City of Massillon
 Stark County, Ohio

COMPANY

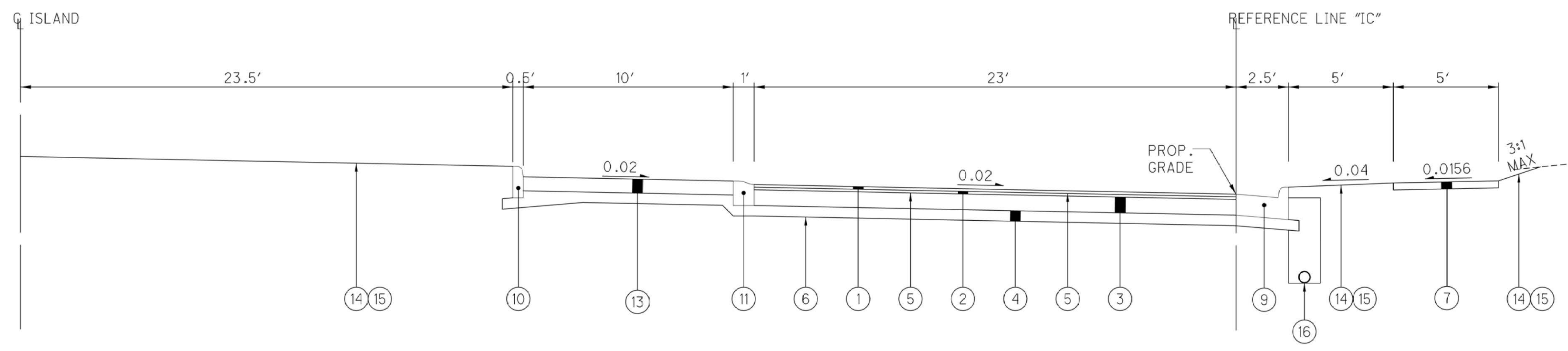


DESIGNER
 AP

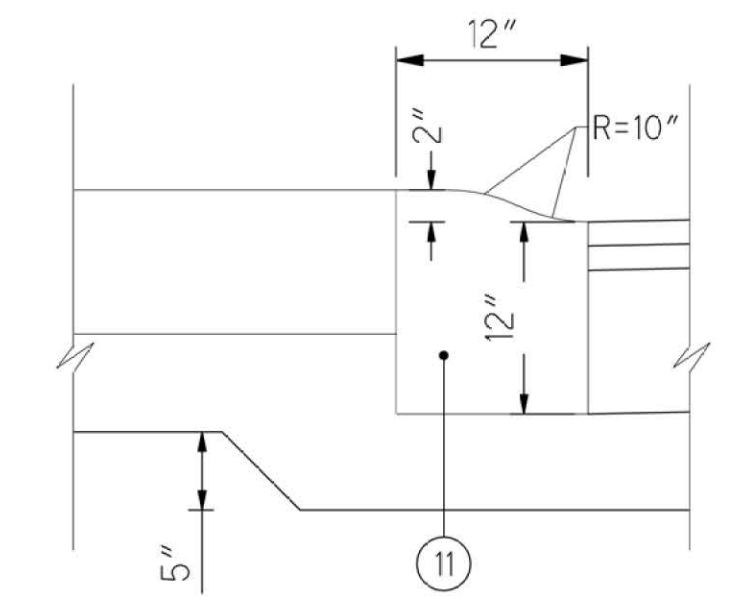
REVIEWER / DATE
 FW 3/6/2025

PROJECT ID
 22ST08 / 120493

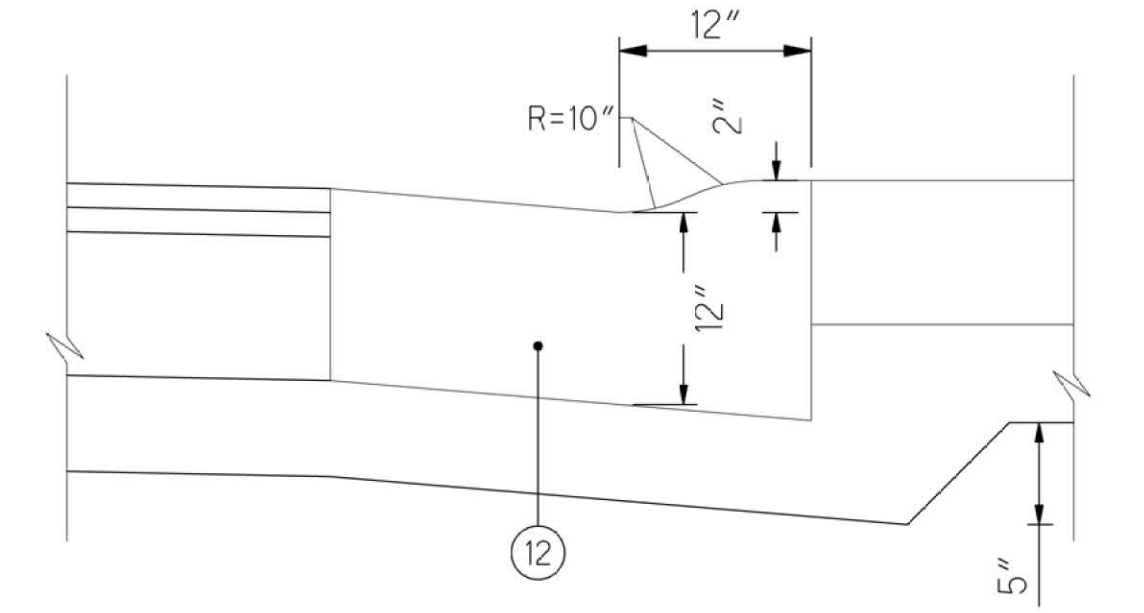
SHEET 4 SHEET 49



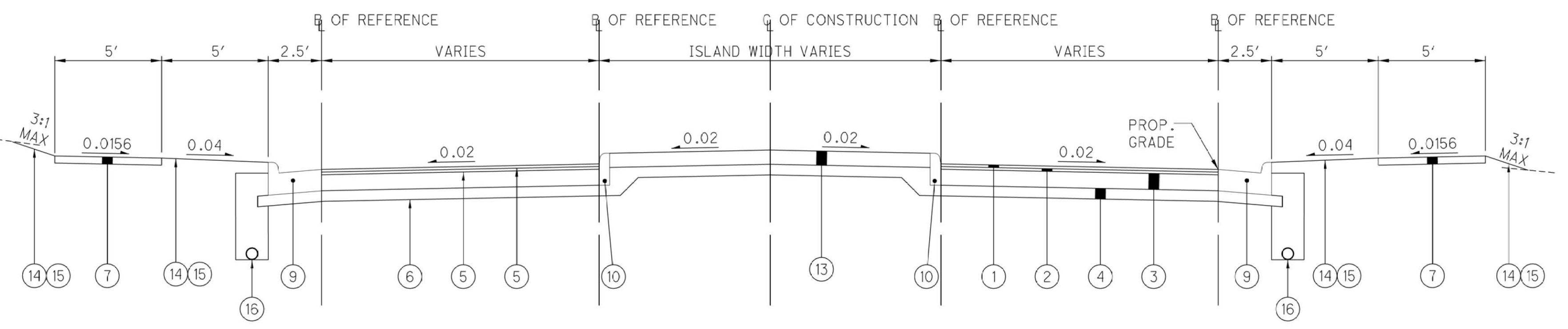
TYPICAL SECTION - ROUNDABOUT
 Roundabout
 STA 0+00 TO STA 3+64.42



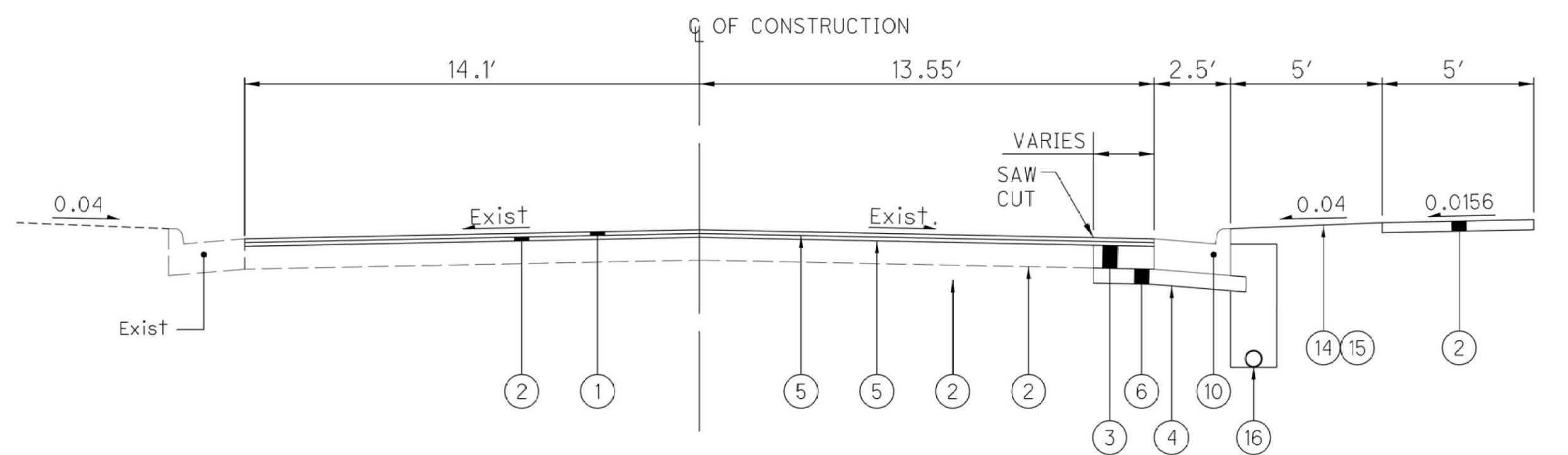
INTERIOR MOUNTABLE TRUCK APRON CURB
 ROUNDABOUT - STA 0+00.00 TO STA. 3+64.42



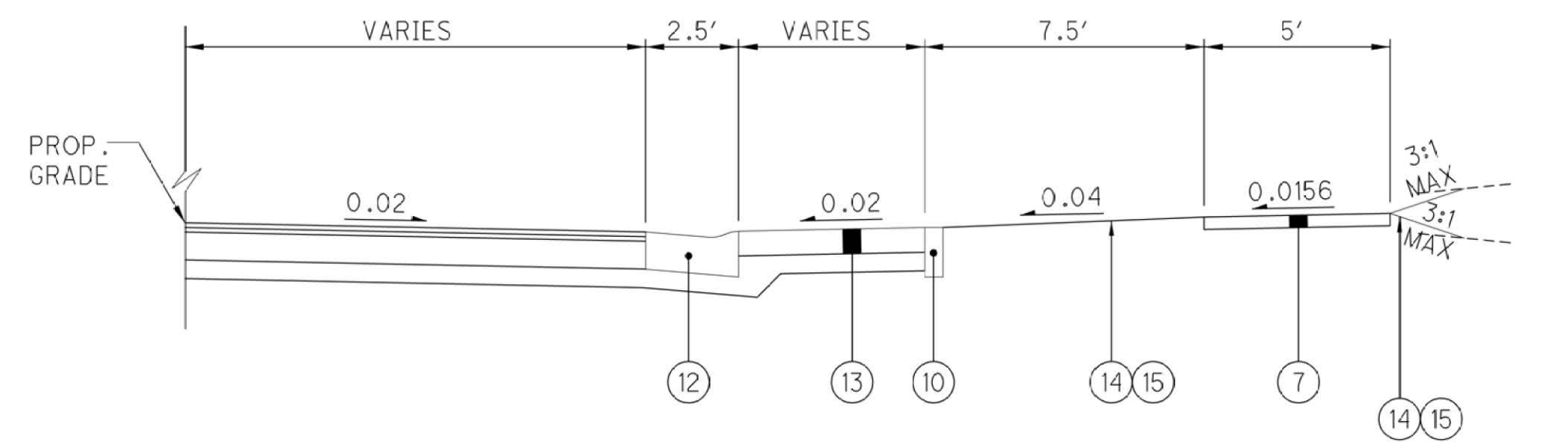
EXTERIOR MOUNTABLE TRUCK APRON CURB
 MAIN AVE W - STA 25+70.03 TO STA. 26+50
 MAIN AVE W - STA 27+57.94 TO STA. 28+45
 TREMONT AVE. SW - STA 10+66.23 TO STA. 11+50



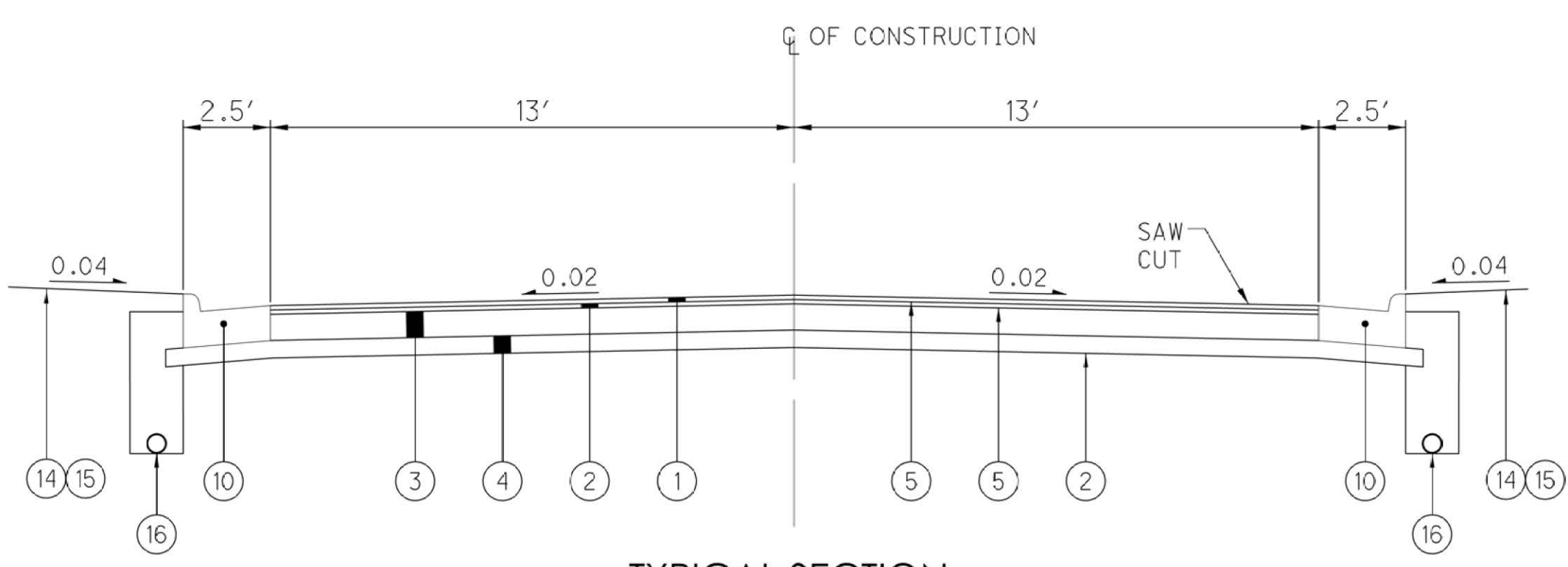
TYPICAL SECTION - SPLITTER ISLAND
 Main Ave W
 STA 26+06.79 TO STA 26+39.98
 STA 27+59.71 TO STA 27+76.23
 TREMONT AVE SW
 STA 10+63.82 TO STA 10+99.02



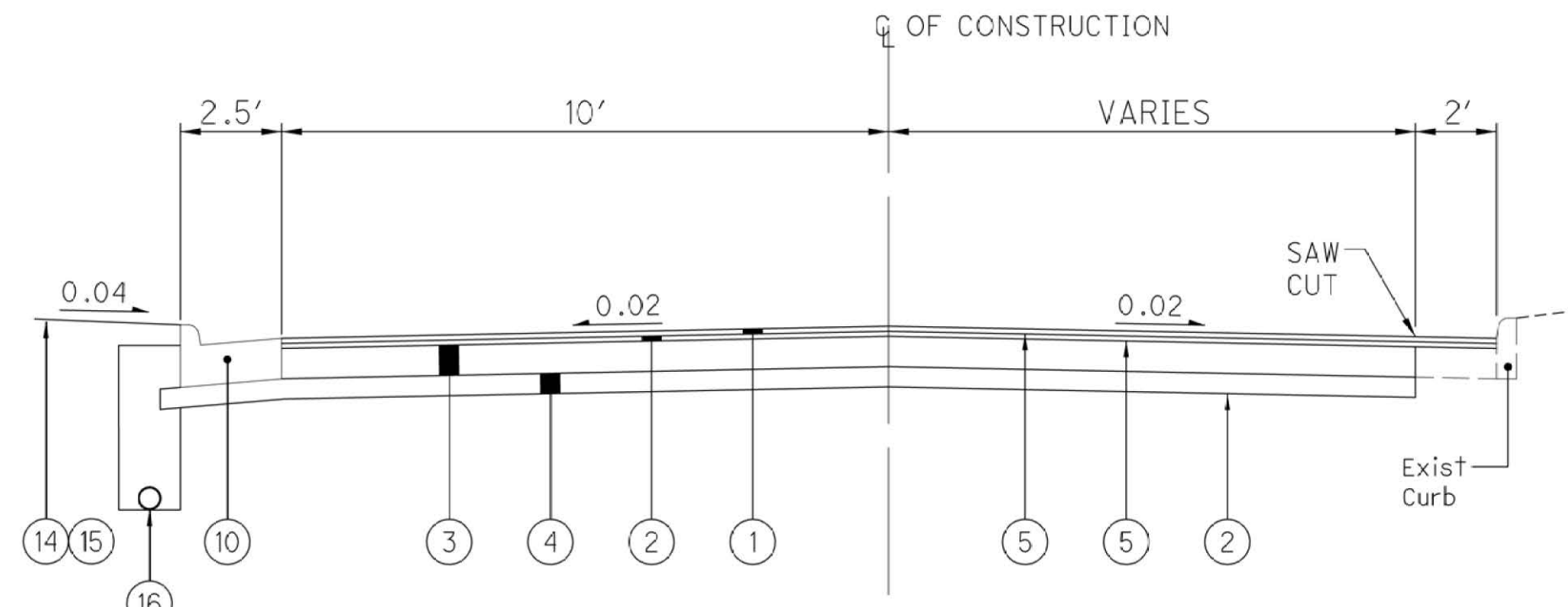
TYPICAL SECTION
 23rd St NW
 STA 59+99.47 TO STA 60+00.00



EXTERIOR TRUCK APRON DETAIL
 MAIN AVE W - STA 25+70.03 TO STA. 26+50
 MAIN AVE W - STA 27+57.94 TO STA. 28+45
 TREMONT AVE. SW - STA 10+66.23 TO STA. 11+50



TYPICAL SECTION
 22nd St SW
 STA 40+00.00 TO STA 40+54.83



TYPICAL SECTION
 22nd St NW
 STA 41+00.00 TO STA 41+29.49

PROPOSED LEGEND

- ① - ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 [T=1 1/2"]
- ② - ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG 64-22 [T=1 1/2"]
- ③ - ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) [T=9"] MULTIPLE LIFTS
- ④ - ITEM 304 - AGGREGATE BASE [T=6"]
- ⑤ - ITEM 407 - NON-TRACKING TACK COAT (@0.10 GAL/SQ YD)
- ⑥ - ITEM 204 - SUBGRADE COMPACTION
- ⑦ - ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
- ⑧ - ITEM 254 - VARIES PAVEMENT PLANING (3" MAX. TO 0" MIN.), AS PER PLAN
- ⑨ - ITEM 609 - COMBINED CURB AND GUTTER, TYPE 2
- ⑩ - ITEM 609 - CURB, TYPE 6
- ⑪ - ITEM 609 - CURB MISC.: INTERIOR MOUNTABLE TRUCK APRON CURB (SEE DETAIL THIS SHT)
- ⑫ - ITEM 609 - CURB MISC.: EXTERIOR MOUNTABLE TRUCK APRON CURB (SEE DETAIL THIS SHT)
- ⑬ - ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS OCMS (DECORATIVE) (TRUCK APRON) (STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)
- ⑭ - ITEM 653 - TOPSOIL FURNISHED AND PLACED
- ⑮ - ITEM 659 - SEEDING AND MULCHING
- ⑯ - ITEM 605 - 4" SHALLOW PIPE UNDERDRAINS



STA Main/Tremont RAB
 Typical Section
 City of Massillon
 Stark County, Ohio

COMPANY



DESIGNER
 AP

REVIEWER / DATE
 FW 3/2025

PROJECT ID
 22ST08 / 120493

SHEET SHEET
 5 49

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T 50 W. BOWERY, 6TH FLOOR AKRON, OH 44308 800-364-8057	AQUA WATER P.O. BOX 584 MASSILLON, OHIO 44646 (330) 833-4156	OHIO EDISON STARK DIVISION 2600 S ERIE ST. MASSILLON, OH 44646 (330) 830-7085	MCTV P.O. BOX 814 MASSILLON, OH 44646 (330) 833-4134
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CITY OF MASSILLON SANITARY SEWER 151 LINCOLN WAY E MASSILLON, OH 44646 (330) 830-1722	AT&T COMMUNICATIONS 2535 E 40TH AVE. DENVER, CO 80205-3601 (800) 852-3786	DOMINION EAST OHIO GAS COMPANY 4725 SOUTHWAY ST SW CANTON, OH 44705 (330) 478-3142	NORTHEAST OHIO NATURAL GAS CORP 9081 S.R. 250 STRASBURG, OH 44680-9766 (330) 878-5589
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GREAT LAKES
104 6TH ST SW
CANTON, OH 44702
(330) 456-2454

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.++

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF 43 THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS DATA COLLECTION PER 502.2.H OF SURVEY MANUAL
MONUMENT TYPE: PROJECTION CONTROL MONUMENT TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOIOD 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE
COMBINED SCALE FACTOR: 1.0000000000
ORIGIN OF COORDINATE SYSTEM: EASTING (X): 0, NORTHING (Y): 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

STATIONING

ALL STATIONING SHOWN IS REFERENCED TO THE BASELINE AS SHOWN.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

CONTINUE PROTECTION OF RIGHT-OF-WAY LANDSCAPING

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. EXCEPT AS INDICATED ON SHEET ---, USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.
ITEM 204 - PROOF ROLLING 4 HOUR.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

CAREFULLY REMOVE AND STORE ALL CASTINGS WITHIN THE RIGHT OF WAY FOR SALVAGE BY CITY OF MASSILLON FORCES.

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

NOTIFICATION OF SAFETY FORCES AND BUS GARAGES

THE CONTRACTOR SHALL NOTIFY ALL AGENCY LISTED BELOW AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSING OR TRAFFIC CHANGE.

MASSILLON SAFETY SERVICE 330-830-1702 MASSILLON FIRE DEPARTMENT 330-833-1053

PERRY TOWNSHIP HALL 330-833-2141 NORTH LAWRANCE FIRE DEPT 330-832-6347

TUSCARAWAS TOWNSHIP HALL 330-832-4337 JACKSON FIRE DEPARTMENT 330-832-1553

MASSILLON POLICE DEPARTMENT 330-830-1849 MASSILLON SCHOOL BUS GARAGE 330-830-1735
JACKSON TOWNSHIP HALL 330-832-7416 PERRY FIRE DEPARTMENT 330-478-5121

JACKSON POLICE DEPARTMENT 330-497-7440 JACKSON SCHOOL BUS GARAGE 330-830-8042

PERRY POLICE DEPARTMENT 330-833-3865 PERRY SCHOOL BUS GARAGE 330-477-1300

STARK COUNTY SHERIFF 330-430-3887 TUSCARAWAS SCHOOL BUS GARAGE 330-837-7805

SARTA 330-454-5333

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	274 CY
659, SEEDING AND MULCHING	2465.3 SY
659, COMMERCIAL FERTILIZER	0.33 TON
659, LIME	0.51 ACRES
659, WATER	13.31 M. GAL.
659, MOWING	5.55 M. SF

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 880 - ASPHALT CONCRETE WITH WARRANTY

INDIVIDUAL LIFT THICKNESSES AND STEP WIDTHS SHOWN IN THE PLAN ARE THE PLAN LINES AND DIMENSIONS USED FOR QUANTITY CALCULATION. THEY ARE NOT THE REQUIRED LIFTS OR STEPS FOR ACTUAL CONSTRUCTION, BUT NO ADJUSTMENT WILL BE MADE TO THE PLAN QUANTITY DUE TO DIFFERENT LIFT THICKNESSES AND/OR STEP WIDTHS WHEN A UNIFORM THICKNESS IS SPECIFIED.++

RESTORATION FOR DRAINAGE SYSTEMS

ALL NECESSARY MATERIALS AND LABOR TO MAKE PROPER RESTORATIONS TO EXISTING DUE TO THE INSTALLATION REPAIR, REMOVAL OF ANY STORM SEWER SYSTEM. THIS INCLUDES BUT NOT LIMITED TO ROADWAY, CURB, DRIVEWAYS, SIDEWALK, AND LAWNS. PAYMENT TO THE RESTORATION SHALL BE INCLUDED IN THE PERTINENT 611 ITEM.

QUANTITIES

QUANTITIES ARE INDICATED FOR COMPARISON OF BIDS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY QUANTITIES BEFORE ORDERING MATERIALS. VARIATIONS FROM THE PLAN QUANTITIES SHALL BE APPROVED BY THE CITY OF MASSILLON ENGINEER BEFORE MATERIAL ORDERS ARE PLACED. MATERIALS REJECTED DUE TO INCOMPATIBILITY BETWEEN ORDERED QUANTITIES AND FIELD CONDITIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

CONSTRUCTION SPECIFICATIONS & STANDARDS

ALL CONSTRUCTION IS TO BE COMPLETED ACCORDING TO THE CURRENT CITY OF MASSILLON SPECIFICATIONS AND STANDARDS, AND THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. WHEN A CONFLICT ARISES BETWEEN THE CITY OF MASSILLON AND ODOT'S STANDARDS, THE MORE STRINGENT STANDARD WILL BE USED AT THE DISCRETION OF THE CITY OF MASSILLON ENGINEER. THE CONTRACTOR SHALL FOLLOW ALL OSHA AND ADA REGULATIONS AND REQUIREMENTS.

PRESERVATION OF EXISTING UTILITY SERVICES

ANY EXISTING WATER LINE, SANITARY SEWER, STORM SEWER, GAS LINE OR OTHE UTILITY IN OR OUTSIDE OF THE CONSTRUCTION LIMITS, DAMAGED DURING CONSTRUCTION OF THE PROPOSED PROJECT SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

PRESERVATION OF PRIVATE PROPERTY

THE CONTRACTOR SHALL PERFORM WORK AS TO NOT DISTURB, DAMAGE OR DESTROY ANY TELEPHONE OR POWER POLES, SIGNS, LANDSCAPING ITEMS, ETC.. ANY ITEM DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND ANY ITEM DISTURBED OR IN CONFLICT WITH THE WORK TO BE PERFORMED SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE. PRIOR ENGINEER APPROVAL IS REQUIRED BEFORE ANY OF THE ABOVE ITEMS ARE PERFORMED.

ACCESSIBILITY TO PRIVATE PROPERTY

ACCESS TO ALL DRIVEWAYS AND PARKING AREAS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. THE TRENCH SHALL BE BACKFILLED AT THE END OF EACH WORK DAY TO PROVIDE ACCESS. THE CONTRACTOR MUST NOTIFY EACH PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF CUTTING THEIR DRIVEWAY.

SUBSURFACE CONDITIONS

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING THEIR BID. PROSPECTIVE BIDDERS ARE TO COORDINATE WITH THE OWNER FOR ACCESS TO THE SITE FOR INSPECTIONS AND EXPLORATORY EXCAVATION. THE BIDDER SHALL CONTACT THE OWNER AT LEAST 72 HOURS IN ADVANCE OF THE DESIRED INSPECTION OR EXCAVATION. THE BIDDER SHALL CONTACT O.U.P.S. AND OBTAIN LOCATIONS OF OTHER UTILITIES.

GRADING AND FILLING OPERATIONS

THE PLACEMENT OF COMPACTED AGGREGATE SHALL NOT EXTEND PAST THE EXISTING GRADED SHOULDERS. NO EXCAVATION, GRADING, OR FILLING OPERATIONS SHALL BE PERFORMED IN ANY WETLANDS OR STREAMS, UNLESS THE REQUIRED STATE AND/OR FEDERAL PERMITS HAVE BEEN OBTAINED IN ACCORDANCE WITH ALL APPLICABLE STATE AND/OR FEDERAL LAWS AND REGULATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS OR STREAMS.

PRESERVATION OF PROPERTY CORNERS AND SURVEY MARKERS

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS AND ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHAL FURNISH A CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

REMOVAL AND RELOCATION OF EXISTING UTILITIES

THE CONTRACTOR IS REQUIRED TO COOPERATE WITH EACH RESPECTIVE UTILITY OWNER FOR THE REMOVAL AND RELOCATION OF ANY AND ALL UTILITIES THAT CREATE A CONFLICT WITH CONSTRUCTION OF THE PROJECT.

CROSSING OR CONNECTING TO EXISTING PIPES AND UTILITIES

WHERE THE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE CITY OF ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

PAYMENT FOR THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

STA Main/Tremont RAB

General Notes
City of Massillon
Stark County, Ohio

COMPANY



DESIGNER

FW

REVIEWER / DATE

AP 7/2025

PROJECT ID





00s†08/120493

SHEET

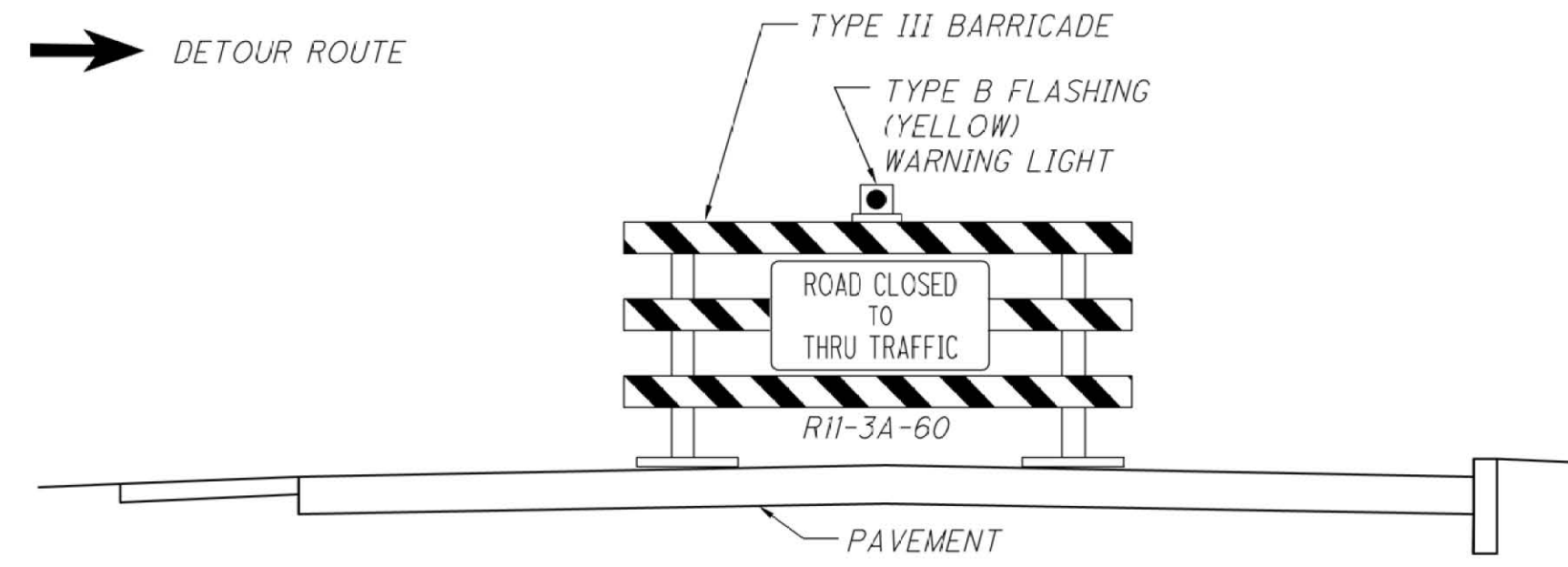
SHEET

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LEGEND

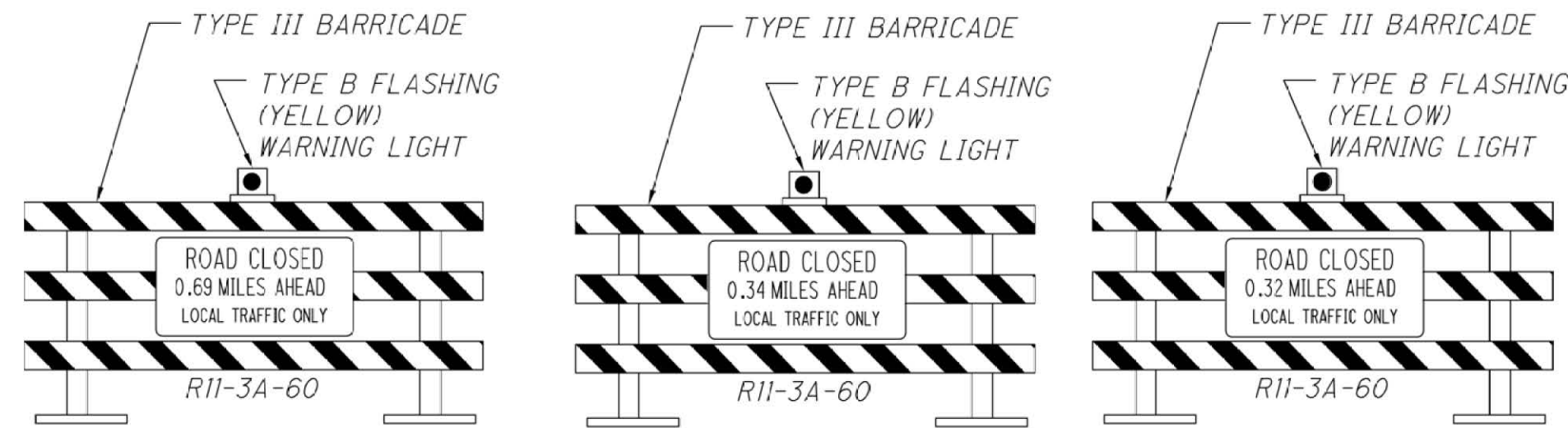
-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  DETOUR ROUTE

NOTE: MAP, BARRICADES AND SIGNS SHOWN ON THE PLANS ARE NOT DRAWN TO SCALE.



SEE ODOT SCD MT-101.60 FOR ADDITIONAL ROAD CLOSURE REQUIREMENTS

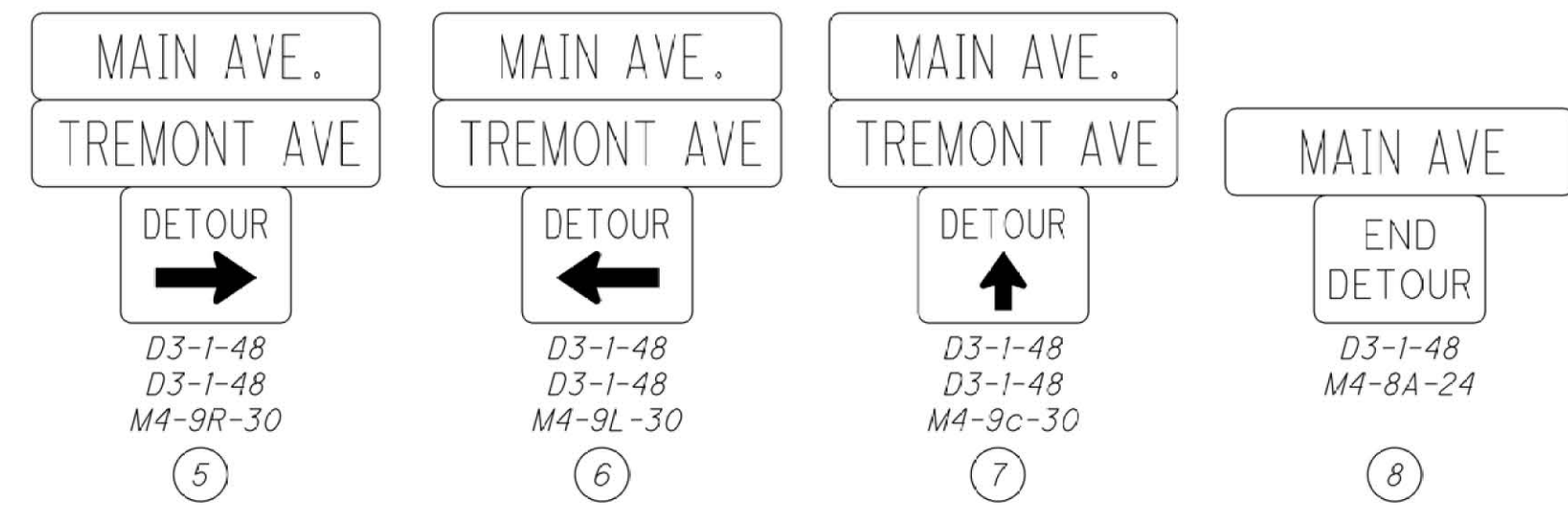
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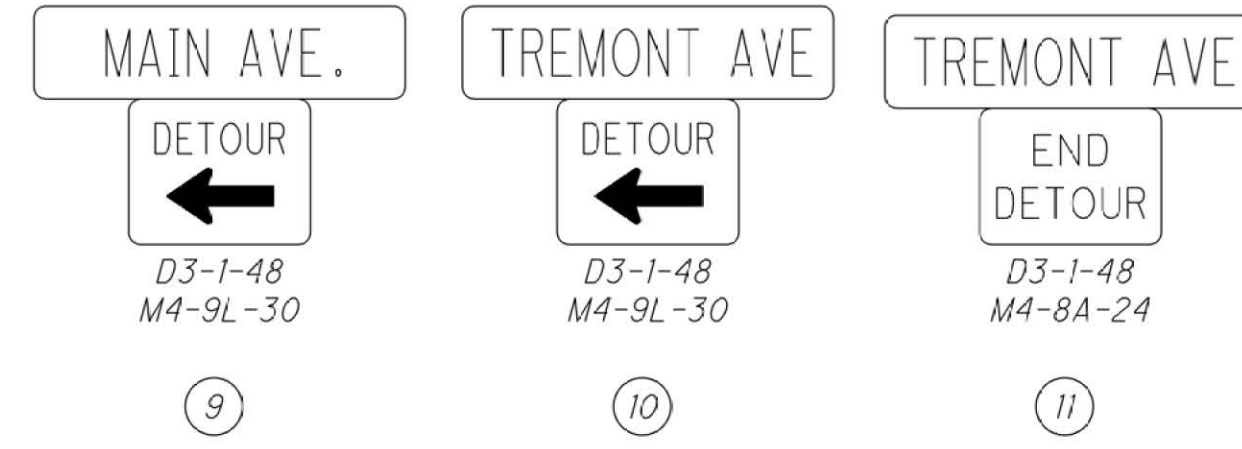


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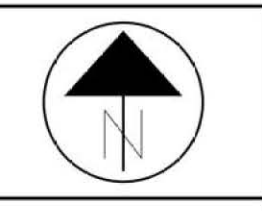
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STA Main/Tremont RAB
 Detour Plan
 City of Massillon
 Stark County, Ohio

COMPANY



DESIGNER
 FFW

REVIEWER / DATE
 AP 7/2025

PROJECT ID
 00s108/120493

SHEET SHEET
 8 49

FOR MAINTENANCE OF TRAFFIC NOTES, SEE SHEET NO. %&U

SHEET NO.

6	7	8	10	11	12	13	14	15	15	21	23	26	40	48	49	ITEM	ITEM EXT	GRAND TOTAL	UNITS	DESCRIPTION	SEE SHEET NO	
																				ROADWAY		
																201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN		
																202	23000	47858	SY	PAVEMENT REMOVED		
					987											202	32500	182	FT	CURB AND GUTTER REMOVED		
					987											202	32000	808	FT	CURB REMOVED		
					6815											202	30000	6815	SF	WALK REMOVED		
					382											202	34900	382	FT	PIPE REMOVED		
							98	173	68	43						202	58000	1	EACH	MANHOLE REMOVED		
																202	58100	8	EACH	CATCH BASIN REMOVED		
																203	10000	2383.1	CY	EXCAVATION		
										981	611.9	790.2				203	20000	1746.2	CY	EMBANKMENT		
										981.2	63.3	701.7				204	10000	4185	SY	SUBGRADE COMPACTION		
																204	45000	4	HOUR	PROOF ROLLING		
																				ENVIRONMENTAL / REMEDIATION		
																690	65016	570	TON	WORK INVOLVING PCS		
																690	65022	100	GALLON	NON-REGULATED WATER		
																690	65024	100	GALLON	REGULATED WATER		
																				EROSION CONTROL		
																659	00100	2	EACH	SOIL ANALYSIS TEST		
																659	00300	274	CY	TOPSOIL		
																659	00500	2466	SY	SEEDING AND MULCHING, CLASS 1		
																659	11000	0.33	TON	COMMERCIAL FERTILIZER		
																659	31000	0.51	ACRES	LIME		
																659	35000	13.31	M GAL	WATER		
																659	40000	5.55	M SF	MOWING		
																659	15000	LS		STORM WATER POLLUTION PREVENTION PLAN		
																				DRAINAGE		
																611	05110	2123	LF	4" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC		
																611	04400	315	CY	12" CONDUIT, TYPE B		
																611	MASSILLON	7	EACH	CATCH BASIN, TYPE MASS7030		
																611	MASSILLON	2	EACH	MANHOLE TYPE, MASS7030		
																611	MASSILLON	3	EACH	MANHOLE TYPE, MASS1048-R		
																				PAVEMENT		
																254	01001	664	SY	PAVEMENT PLANING, ASPHALT CONCRETE T= 0" TO 3"		
																301	56000	678	CY	ASPHALT CONCRETE BASE, PG 64-22		
																304	20000	698	CY	AGGREGATE BASE		
																407	20000	838	GAL	NON-TRACKING TACK COAT		
																408	10000	953	GAL	PRIME COAT		
																442	10000	175	CY	ASPHALT CONCRETE SURFACE COURSE, 1 1/2", TYPE 1 (448), PG64-22		
																442	50200	175	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 1 1/2", TYPE 1 (448)		
																452	10050*	399	SY	9" NON-REINFORCED CONCRETE, CLASS OQMS (DECORATIVE)		
																452	10050	741.3	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS	4	
																608	10000	5780	FT	4" CONCRETE WALK		
																608	52000	453	FT	CURB RAMP	4	
																609	18000	1637	FT	COMBINATION CURB AND GUTTER, TYPE 3		
																609	MASSILLON	220	FT	INTERIOR MOUNTABLE TRUCK APRON CURB		
																609	26000	370	FT	CURB, TYPE 6		
																609	MASSILLON	266	FT	EXTERIOR MOUNTABLE TRUCK APRON CURB		
																				SANITARY SEWER		
																630	MASSILLON	4	EACH	MANHOLE TYPE, MASS1050AGS-R		
																				TRAFFIC CONTROL		
																233	630	80101	233	SQ FT	SIGN, FLAT SHEET, AS PER PLAN	
																438.1	630	04100	438.1	FOOT	GROUND MOUNTED SUPPORT, NO 4 POST TYPE S	
																6	630	08600	6	EACH	SIGN POST REFLECTOR	
																				REMOVAL OF TRAFFIC SIGNAL INSATALLATION		
																220	644	00620	220	FOOT	CROSSWALK LINE, 12"	
																36	644	00700	36	FOOT	TRANSVERSE / DIAGONAL LINE	
																0.02	644	00104	0.02	MILE	EDGE LINE, 6" (WHITE)	
																0.07	644	00104	0.07	MILE	EDGE LINE, 6" (YELLOW)	
																0.14	644	00300	0.14	MILE	CENTER LINE, 6"	
																86	644	01510	86	FOOT	DOTTED LINE, 6"	
																38	644	20800	38	FOOT	PAVEMENT MARKING, MISC.: YIELD LINE	
																				LANDSCAPING		
																193	661	NA	193	SY	WASHED RIVER STONE MULCH [4" THICK]	
																4	661	NA	4	EACH	GREEN VASE ZELKOVA	
																28	661	NA	28	EACH	SEA GREEN JUNIPER	
																40	661	NA	40	EACH	RUSSIAN SAGE	
																20	661	NA	20	EACH	WALKERS LOW CATMINT	
																28	661	NA	28	EACH	HAPPEY RETURNS DAYLILY	
																20	661	NA	20	EACH	COMBINATION OF COLORS YARROW	
																39	661	NA	39	EACH	BLACKED EYED SUSAN	
																22	661	NA	22	EACH	ADIGIO MAIDEN GRASS	
																				MAINTENANCE OF TRAFFIC		
																614	12421	LS		DETOUR SIGNING, AS PER PLAN	8	
																				INCIDENTALS		
																614	11000	LS		MAINTAINING TRAFFIC		
																623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
																624	10000	LS		MOBILIZATION		

STA Main/Tremont RAB
 General Summary
 City of Massillon
 Stark County, Ohio



COMPANY	
DESIGNER	FW
REVIEWER / DATE	AP 7/25
PROJECT ID	22s108 / 120493
SHEET	9
SHEET	49

ITEM 204-SUBGRADE COMPACTION

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (5.5) (1/9)	=	160.11	SY
STA. 24+70.09 TO STA. 25+50 (79.91) (11) (1/9)	=	97.67	SY
STA. 25+50 TO STA. 25+77.92 (1805.04) (1/9)	=	200.56	SY
STA. 27+94.48 TO STA. 29+18.56 (4225.6) (1/9)	=	469.52	SY
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (33) (1/9)	=	350.17	SY
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (11025.70) (1/9)	=	1225.08	SY
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (633.03 + 305.05) (1/9)	=	104.23	SY
MAIN AVE W AND ROUNDAABOUT WEST (3247.5) (1/9) EAST (1887.3) (1/9)	=	360.84	SY
TREMONT AVE SW AND ROUNDAABOUT (2796.8) (1/9)	=	310.76	SY
MAIN AVE W AND 22RD ST NW (3171.34) (1/9)	=	352.37	SY
TREMONT AVE W AND 22ND ST SW (3088.92) (1/9)	=	343.21	SY
TOTAL	=	4185	SY

ITEM 254 - PAVEMENT PLANNING [0.25' MAX]

MAIN AVE NW STA. 20+90 TO STA. 25+50 (460) (26) (1/9)	=	1328.89	SY
23RD ST NW STA. 60+13.78 TO STA. 60+66.38 (2056.66) (1/9)	=	228.52	SY
TOTAL	=	664	SY

ITEM 301-ASPHALT CONCRETE BASE [T=0.75']

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (2) (1.75) (1/27)	=	14.56	CY
STA. 24+70.09 TO STA. 25+50 (79.91) (4) (0.75) (1/27)	=	8.88	CY
STA. 25+50 TO STA. 25+77.92 (725.87) (0.75) (1/27)	=	20.16	CY
STA. 27+94.48 TO STA. 29+18.56 (3225.95) (0.75) (1/27)	=	89.61	CY
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (26) (0.75) (1/27)	=	68.97	CY
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (6719.87) (0.75) (1/27)	=	186.66	CY
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (118.06+240.60) (0.75) (1/27)	=	9.96	CY
MAIN AVE W AND ROUNDAABOUT WEST (2403.30-398.80) (0.75) (1/27) EAST (1328.08-125.94) (0.75) (1/27)	=	55.68	CY
TREMONT AVE SW AND ROUNDAABOUT (1943.43-320.46) (0.75) (1/27)	=	45.08	CY
MAIN AVE W AND 22RD ST NW (2762.77) (0.75) (1/27)	=	76.74	CY
TREMONT AVE W AND 22ND ST SW (2433.54) (0.75) (1/27)	=	67.60	CY
TOTAL	=	678	CY

ITEM 304-AGGREGATE BASE [T=0.5']

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (5.5) (0.5) (1/27)	=	26.69	CY
STA. 24+70.09 TO STA. 25+50 (79.91) (11) (0.5) (1/27)	=	16.28	CY
STA. 25+50 TO STA. 25+77.92 (1805.04) (0.5) (1/27)	=	33.43	CY

ITEM 304-AGGREGATE BASE [T=0.5']

STA. 27+94.48 TO STA. 29+18.56 (4225.6) (0.5) (1/27)	=	78.25	CY
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (33) (0.5) (1/27)	=	58.36	CY
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (11025.70) (0.5) (1/27)	=	204.18	CY
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (633.03 + 305.05) (0.5) (1/27)	=	17.37	CY
MAIN AVE W AND ROUNDAABOUT WEST (3247.5) (0.5) (1/27) EAST (1887.3) (0.5) (1/27)	=	60.14	CY
TREMONT AVE SW AND ROUNDAABOUT (2796.8) (0.5) (1/27)	=	51.79	CY
MAIN AVE W AND 22RD ST NW (3171.34) (0.5) (1/27)	=	58.73	CY
TREMONT AVE W AND 22ND ST SW (3088.92) (0.5) (1/27)	=	57.20	CY
TOTAL	=	698	CY

ITEM 407-TRACKLESS TACK COAT

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (26) (1/9) (0.10)	=	75.69	GAL
STA. 24+70.09 TO STA. 25+50 (79.91) (26) (1/9) (0.10)	=	28.29	GAL
STA. 25+50 TO STA. 25+77.92 (725.87) (1/9) (0.10)	=	8.07	GAL
STA. 27+94.48 TO STA. 29+18.56 (3225.95) (1/9) (0.10)	=	35.85	GAL
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (26) (1/9) (0.10)	=	27.59	GAL
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (6719.87) (1/9) (0.10)	=	74.67	GAL
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (5120.41) (1/9) (0.10)	=	56.9	GAL
MAIN AVE W AND ROUNDAABOUT WEST (2403.30-398.80) (1/9) (0.10) EAST (1328.08-125.94) (1/9) (0.10)	=	22.28	GAL
TREMONT AVE SW AND ROUNDAABOUT (1943.43-320.46) (1/9) (0.10)	=	18.04	GAL
MAIN AVE W AND 22RD ST NW (2762.77) (1/9) (0.10)	=	30.70	GAL
TREMONT AVE W AND 22ND ST SW (2433.54) (1/9) (0.10)	=	27.04	GAL
		419	GAL
		x 2	
TOTAL	=	838	GAL

ITEM 408-PRIME COAT

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (2) (1/9) (0.40)	=	11.64	GAL
STA. 24+70.09 TO STA. 25+50 (79.91) (4) (1/9) (0.40)	=	3.55	GAL
STA. 25+50 TO STA. 25+77.92 (725.87) (1/9) (0.40)	=	32.26	GAL
STA. 27+94.48 TO STA. 29+18.56 (3225.95) (1/9) (0.40)	=	143.38	GAL
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (26) (1/9) (0.40)	=	4.24	GAL
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (6719.87) (1/9) (0.40)	=	298.66	GAL
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (118.06+240.60) (1/9) (0.40)	=	15.94	GAL

ITEM 408-PRIME COAT CONTINUED

MAIN AVE W AND ROUNDAABOUT WEST (2403.30-398.80) (1/9) (0.40) EAST (1328.08-125.94) (1/9) (0.40)	=	89.09	GAL
TREMONT AVE SW AND ROUNDAABOUT (1943.43-320.46) (1/9) (0.40)	=	53.43	GAL
MAIN AVE W AND 22RD ST NW (2762.77) (1/9) (0.40)	=	72.13	GAL
TREMONT AVE W AND 22ND ST SW (2433.54) (1/9) (0.40)	=	122.79	GAL
		105.16	GAL
TOTAL	=	953	GAL

ITEM 441-ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 [T=0.125']

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (26) (0.125) (1/27)	=	31.54	CY
STA. 24+70.09 TO STA. 25+50 (79.91) (26) (0.125) (1/27)	=	11.79	CY
STA. 25+50 TO STA. 25+77.92 (725.87) (0.125) (1/27)	=	3.36	CY
STA. 27+94.48 TO STA. 29+18.56 (3225.95) (0.125) (1/27)	=	14.94	CY
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (26) (0.125) (1/27)	=	11.50	CY
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (6719.87) (0.125) (1/27)	=	31.11	CY
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (5120.41) (0.125) (1/27)	=	23.71	CY
MAIN AVE W AND ROUNDAABOUT WEST (2403.30-398.80) (0.125) (1/27) EAST (1328.08-125.94) (0.125) (1/27)	=	9.28	CY
TREMONT AVE SW AND ROUNDAABOUT (1943.43-320.46) (0.125) (1/27)	=	5.56	CY
MAIN AVE W AND 22RD ST NW (2762.77) (0.125) (1/27)	=	7.51	CY
TREMONT AVE W AND 22ND ST SW (2433.54) (0.125) (1/27)	=	12.79	CY
		11.27	CY
TOTAL	=	175	CY

ITEM 441-ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG 64-22 [T=0.125']

MAIN AVE NW STA. 20+90 TO STA. 23+52 (262) (26) (0.125) (1/27)	=	31.54	CY
STA. 24+70.09 TO STA. 25+50 (79.91) (26) (0.125) (1/27)	=	11.79	CY
STA. 25+50 TO STA. 25+77.92 (725.87) (0.125) (1/27)	=	3.36	CY
STA. 27+94.48 TO STA. 29+18.56 (3225.95) (0.125) (1/27)	=	14.94	CY
TREMONT AVE SW STA. 11+75.5 TO STA. 12+75 (95.5) (26) (0.125) (1/27)	=	11.50	CY
ROUNDAABOUT STA. 0+00 TO STA. 3+64.42 (6719.87) (0.125) (1/27)	=	31.11	CY
INTERSECTIONS			
MAIN AVE W AND 23RD ST NW (5120.41) (0.125) (1/27)	=	23.71	CY
MAIN AVE W AND ROUNDAABOUT WEST (2403.30-398.80) (0.125) (1/27) EAST (1328.08-125.94) (0.125) (1/27)	=	9.28	CY
TREMONT AVE SW AND ROUNDAABOUT (1943.43-320.46) (0.125) (1/27)	=	5.56	CY
MAIN AVE W AND 22RD ST NW (2762.77) (0.125) (1/27)	=	7.51	CY
TREMONT AVE W AND 22ND ST SW (2433.54) (0.125) (1/27)	=	12.79	CY
		11.27	CY
TOTAL	=	175	CY

STA Main/Tremont RAB
 General Notes
 City of Massillon
 Stark County, Ohio

COMPANY



DESIGNER
FW

REVIEWER / DATE
AP 7/2025

PROJECT ID
00s108/120493

SHEET 10	SHEET 49
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ITEM 452-NON-REINFORCED CONCRETE, CLASS QCMS DECORATIVE [T=0.75']

MAIN AVE NW STA. 25+70.03 TO STA. 26+50 (235.84) (1/9)	=	26.20	SY
STA. 26+06.79 TO STA. 26+38.88 (353.27) (1/9)	=	38.14	SY
STA. 27+52.68 TO STA. 28+40 (337.88) (1/9)	=	37.54	SY
TREMONT AVE NW 10+65.39 TO 10+99.02 (571.57) (1/9)	=	63.51	CY
10+64.32 TO 11+50 (277.23) (1/9)	=	30.81	CY
ROUND ABOUT STA. 0+00.00 TO STA. 3+64.42 (1822.12) (1/9)	=	202.46	CY
TOTAL	=	399	CY

ITEM 609-CURB, TYPE 2

RIGHT MAIN AVE NW STA. 20+90 TO STA. 25+70 480	=	480	LF
STA. 28+40 TO STA. 30+00 160	=	160	LF
TREMONT AVE NW STA. 10+84.31 TO STA. 11+14.44 75.2	=	76	LF
STA. 11+75.50 TO STA. 12+75.00 98.2	=	99	LF
AROUNDABOUT STA. 0+97.64 TO STA. 1+63.86 80.46	=	81	LF
STA. 3+08.06 TO STA. 0+04.27 63.24	=	64	LF
LEFT MAIN AVE W STA. 24+70.16 TO STA. 26+57.33 199.70	=	200	LF
STA. 27+50.00 TO STA. 29+18.56 185.89	=	186	LF
TREMONT AVE SE STA. 11+50 TO STA. 12+75 125	=	125	LF
INTERSECTION MAIN AVE / 23RD ST NW NE 51.93	=	52	LF
MAIN AVE W / 22ND ST NW NE 33.10	=	34	LF
TREMONT AVE SW / 22ND ST SW SW 33.58	=	34	LF
SE 46.00	=	46	LF
TOTAL	=	1637	LF

ITEM 609-CURB, TYPE 6

MAIN AVE W ISLAND WEST OF ROUNDABOUT 89.49	=	90	LF
ISLAND EAST OF ROUNDABOUT 43.23	=	44	LF
TREMONT AVE SE ISLAND EAST OF ROUNDABOUT 84.90	=	85	LF
ROUNDABOUT STA. 0+00 TO STA. 3+64.42 147.66	=	151	LF
TOTAL	=	370	LF

ITEM 609-INTERIOR MOUNTABLE TRUCK APRON CURB

ROUNDABOUT STA. 0+00 TO STA. 3+64.42 219.91	=	220	LF
TOTAL	=	220	LF

ITEM 609-EXTERIOR MOUNTABLE TRUCK APRON CURB

INTERSECTION ROUNDABOUT / MAIN AVE W SE 83.96	=	84	LF
SW 90.37	=	91	LF
ROUNDABOUT / TREMONT AVE SE NE 90.20	=	91	LF
TOTAL	=	266	LF

ITEM 608-CONCRETE WALK

MAIN AVE NW RIGHT STA. 20+90 TO STA. 20+16.40 (27) * (5)	=	135	SF
STA. 21+30.87 TO STA. 22+19.19 (89) * (5)	=	445	SF
STA. 22+48.03 TO STA. 23+51.68 (105) * (5)	=	525	SF
STA. 23+76.81 TO STA. 24+29 (55) * (5)	=	275	SF
STA. 24+41 TO STA. 24+88.68 (48) * (5)	=	240	SF
STA. 25+01.32 TO STA. 25+81.06 (76) * (5)	=	380	SF
STA. 25+96.67 TO STA. 26+87.44 (103) * (5)	=	515	SF
STA. 27+64.42 TO STA. 28+65.95 (89) * (5)	=	445	SF
LEFT STA. 24+52.53 TO STA. 24+96.58 (59) * (5)	=	295	SF
STA. 25+08.03 TO STA. 25+41.29 (35) * (5)	=	175	SF
STA. 25+52.71 TO STA. 27+26.87 (152) * (5)	=	760	SF
STA. 27+43.63 TO STA. 27+98.10 (69) * (5)	=	345	SF
STA. 29+18 TO STA. 29+27.39 (10) * (5)	=	50	SF
TREMONT AVE SW RIGHT STA. 10+45.21 TO STA. 11+16.46 (95) * (5)	=	475	SF
STA. 11+71.90 TO STA. 12+00 (29) * (5)	=	145	SF
LEFT STA. 10+75.25 TO STA. 11+91 (103) * (5)	=	515	SF
STA. 12+11 TO STA. 12+22.89 (12) * (5)	=	60	SF
TOTAL	=	5780	SF

STA Main/Tremont RAB

General Notes
City of Massillon
Stark County, Ohio

COMPANY



DESIGNER

FW

REVIEWER / DATE

AP 6/2025

PROJECT ID

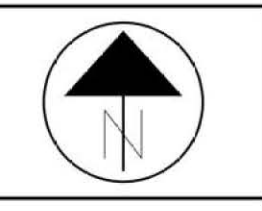
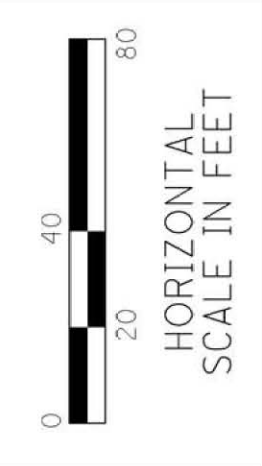
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SHEET

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SHEET

49



STA Main/Tremont RAB
 Removal Plan
 City of Massillon
 Stark County, Ohio

COMPANY

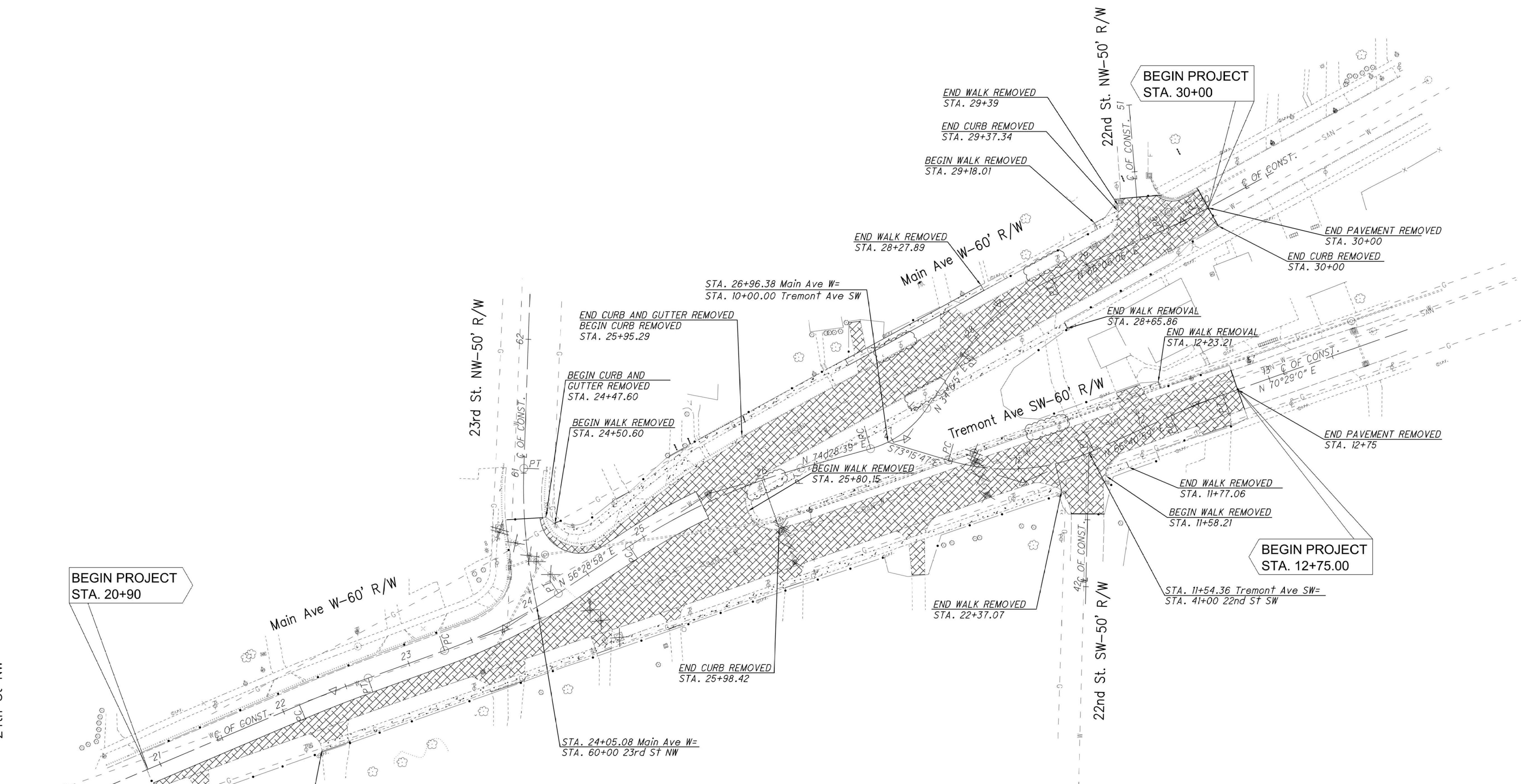


DESIGNER
 FPW

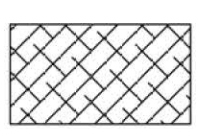
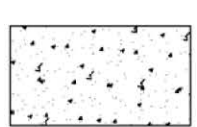
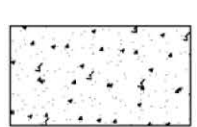
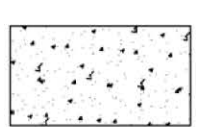
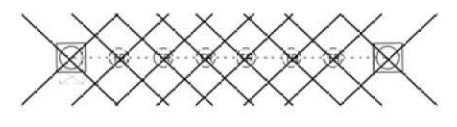
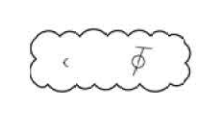
REVIEWER / DATE
 AP 7/2025

PROJECT ID
 00s108/120493

SHEET SHEET
 13 49



LEGEND

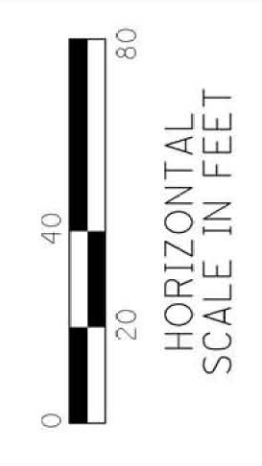
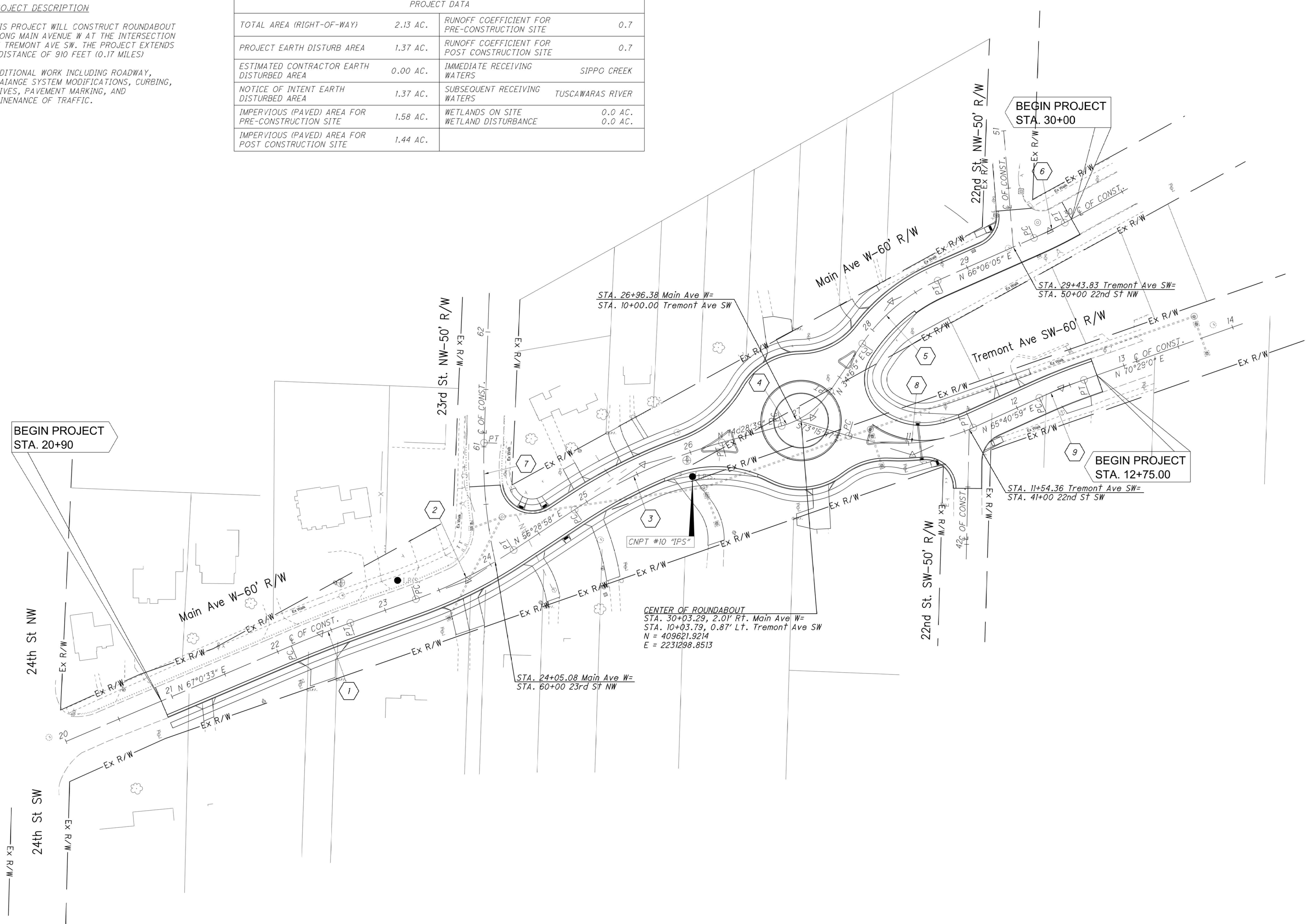
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-  - ITEM 202 CURB AND GUTTER REMOVED - 182 FOOT
-  - ITEM 202 WALK REMOVED - 6815 S.F.
-  - ITEM 202 CURB REMOVED - 808 FOOT
-  - ITEM 632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION - LUMP SUM
-  - POSSIBLE CONFLICT TO BE ADDRESSED BY PRIVATE UTILITY COMPANYS

PROJECT DESCRIPTION

THIS PROJECT WILL CONSTRUCT ROUNDABOUT ALONG MAIN AVENUE W AT THE INTERSECTION OF TREMONT AVE SW. THE PROJECT EXTENDS A DISTANCE OF 910 FEET (0.17 MILES)

ADDITIONAL WORK INCLUDING ROADWAY, DRAINAGE SYSTEM MODIFICATIONS, CURBING, DRIVES, PAVEMENT MARKING, AND MAINTENANCE OF TRAFFIC.

PROJECT DATA			
TOTAL AREA (RIGHT-OF-WAY)	2.13 AC.	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.7
PROJECT EARTH DISTURB AREA	1.37 AC.	RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.7
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.00 AC.	IMMEDIATE RECEIVING WATERS	SIPPO CREEK
NOTICE OF INTENT EARTH DISTURBED AREA	1.37 AC.	SUBSEQUENT RECEIVING WATERS	TUSCAWARAS RIVER
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	1.58 AC.	WETLANDS ON SITE	0.0 AC.
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	1.44 AC.	WETLAND DISTURBANCE	0.0 AC.



STA Main/Tremont RAB
 Site Plan
 City of Massillon
 Stark County, Ohio

COMPANY



DESIGNER
 FPW

REVIEWER / DATE
 AP 7/2025

PROJECT ID
 00s108/120493

SHEET SHEET
 12 49

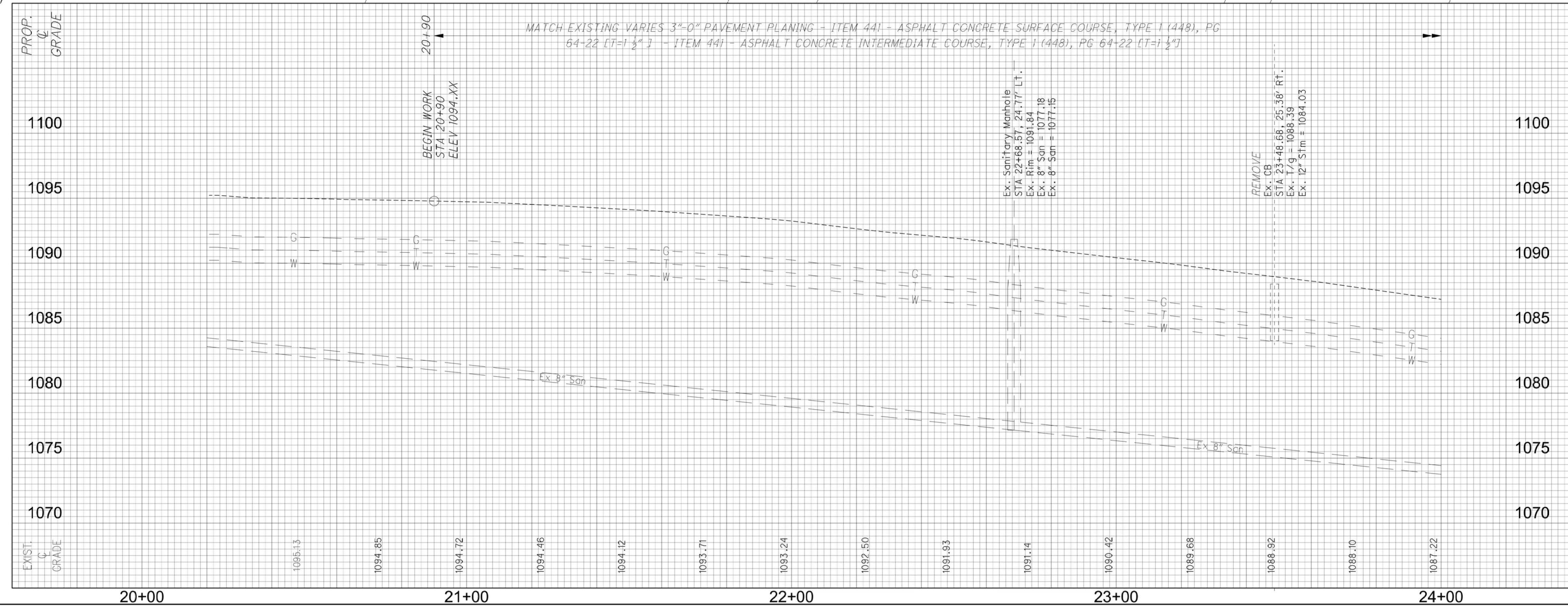
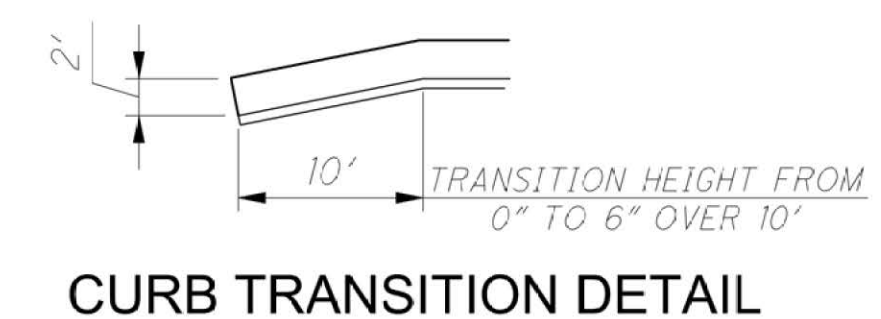
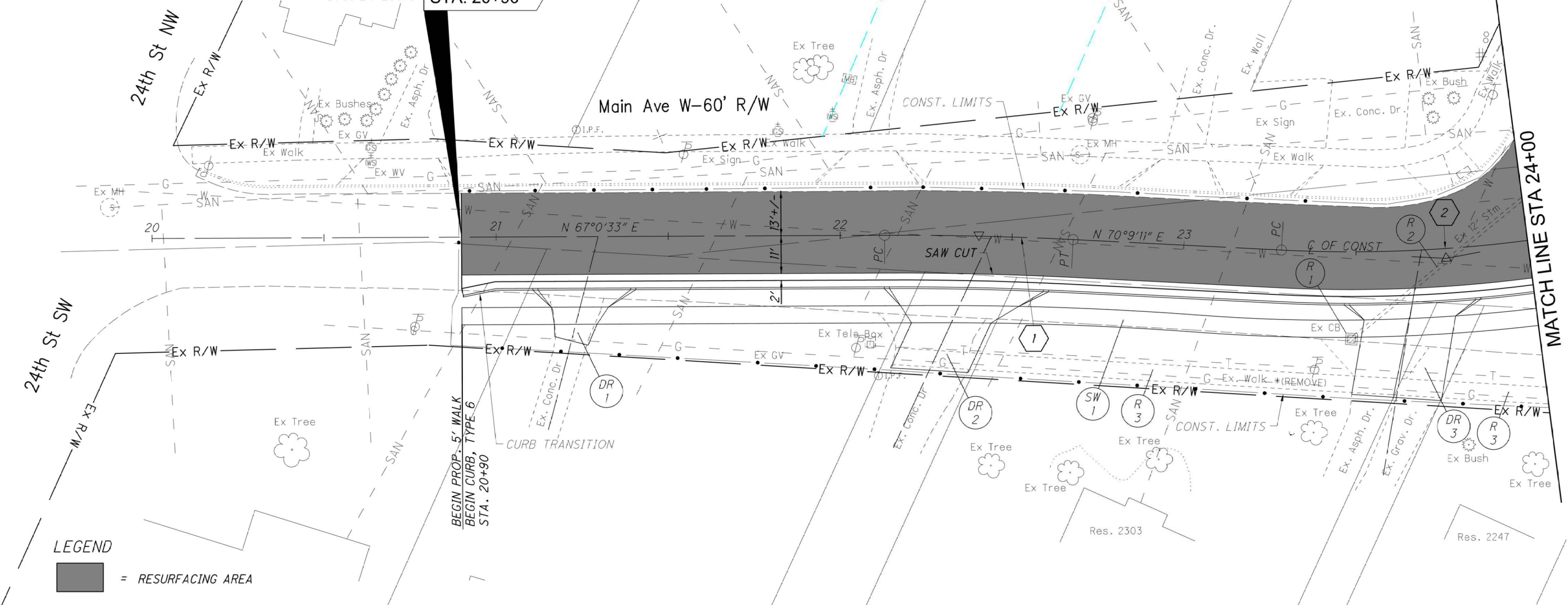
1 CURVE DATA

P.I.	= Sta. 22+40.35
Δ	= 3°08'38" Rt.
D _c	= 05°43'46"
R	= 1000.00'
T	= 27.44'
L	= 54.87'
E	= 0.38'
C	= 54.86'
C.B	= N 68°34'52" E
P.C.	= Sta. 22+12.91
P.T.	= Sta. 22+67.78

2 CURVE DATA

P.I.	= Sta. 23+76.29
Δ	= 13°40'13" Lt.
D _c	= 14°19'26"
R	= 400.00'
T	= 47.95'
L	= 95.44'
E	= 2.86'
C	= 95.21'
C.B	= N 63°19'04" E
P.C.	= Sta. 23+28.34
P.T.	= Sta. 24+23.78

**BEGIN WORK
STA. 20+90**



REF.	STATION		SIDE	PIPE REMOVED	CATCH BASIN REMOVED	WALK REMOVED	TOTALS CARRIED TO GENERAL SUMMARY	
	TO	FROM						
R-1	23+48.68	24+31.40	RT	98	1	695	98	
R-2	23+48.68	24+31.40	RT/LT					
R-3	22+16	24+00	RT					
TOTALS CARRIED TO GENERAL SUMMARY							98	695

STA Main/Tremont RAB
Main Ave W - Plan and Profile Sta. 20+00 to Sta. 24+00
City of Massillon
Stark County, Ohio

LOGG:

 DESIGNER: FFW
 REVIEWER / DATE: AP 7/2025
 PROJECT ID: 00s108/120493
 SHI NO.: 14 TOTAL: 49

LEGEND
 = RESURFACING AREA

2 CURVE DATA

P.I.	= Sta. 23+76.29
Δ	= 13°40'13" Lt.
D _C	= 14°19'26"
R	= 400.00'
T	= 47.95'
L	= 95.44'
E	= 2.86'
C	= 95.21'
C.B	= N 63°19'04" E
P.C.	= Sta. 23+28.34
P.T.	= Sta. 24+23.78

3 CURVE DATA

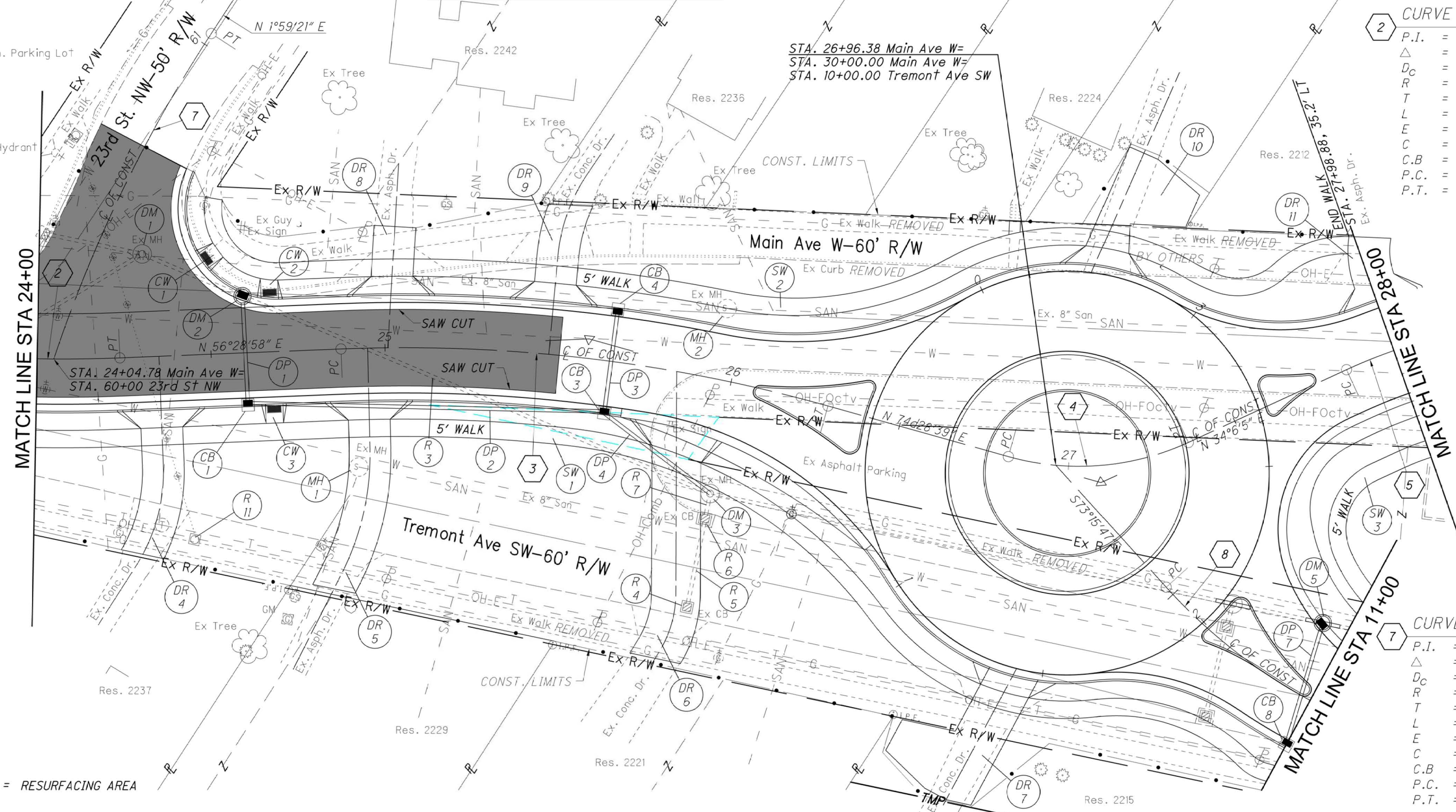
P.I.	= Sta. 25+58.59
Δ	= 17°59'41" Rt.
D _C	= 12°43'57"
R	= 450.00'
T	= 71.25'
L	= 141.33'
E	= 5.61'
C	= 140.75'
C.B	= N 65°28'48" E
P.C.	= Sta. 24+87.34
P.T.	= Sta. 26+28.67

4 CURVE DATA

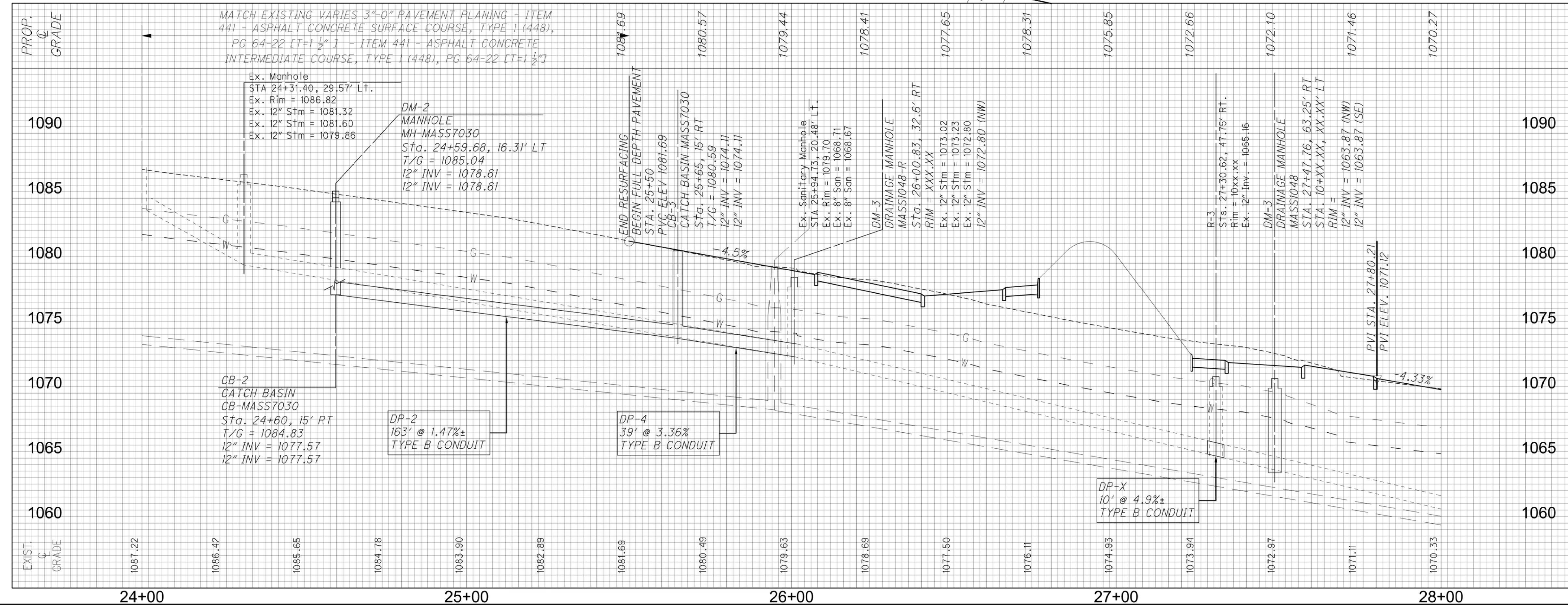
P.I.	= Sta. 27+10.07
Δ	= 40°22'34" Lt.
D _C	= 76°23'40"
R	= 75.00'
T	= 27.58'
L	= 52.85'
E	= 4.91'
C	= 51.77'
C.B	= N 54°17'22" E
P.C.	= Sta. 26+82.49
P.T.	= Sta. 27+35.34

7 CURVE DATA

P.I.	= Sta. 60+52.08
Δ	= 14°38'29" Rt.
D _C	= 14°07'56"
R	= 405.42'
T	= 52.08'
L	= 103.60'
E	= 3.33'
C	= 103.32'
C.B	= N 5°19'54" W
P.C.	= Sta. 60+00
P.T.	= Sta. 61+03.60



REF.	STATION		SIDE	TOTALS CARRIED TO GENERAL SUMMARY	
	TO	FROM		RT/LT	
DM-1	24+59.68	26+00.83	RT/LT	1	1
DM-2	26+01.29	26+00.99	LT	1	1
DM-3	26+01.29	26+00.99	RT	1	1
MH-1	24+91.38		RT	1	1
MH-2	25+94.73		LT	1	1
DP-1	24+48.45		LT	31	31
DP-2	24+67.50		LT	103	103
DP-3	24+67.50		RT	30	30
DP-4	24+60		RT	39	39
TOTALS CARRIED TO GENERAL SUMMARY				2	2



REF.	STATION		SIDE	TOTALS CARRIED TO GENERAL SUMMARY	
	TO	FROM		RT/LT	
R-4	24+59.68	26+00.83	RT/LT	144	144
R-4	26+01.29	26+00.99	RT	24	24
R-5	26+01.29	26+00.99	RT	5	5
R-6	26+00.99	26+00.83	RT	71	71
R-7	26+00.99	26+00.83	LT	71	71
CW-1	24+48.45		LT	73	73
CW-2	24+67.50		LT	1	1
CW-3	24+67.50		RT	1	1
CB-2	24+60		RT	1	1
CB-3	25+65		RT	1	1
CB-3	25+65		LT	1	1
TOTALS CARRIED TO GENERAL SUMMARY				173	2

STA Main/Tremont RAB
 Main Ave W - Plan and Profile Sta. 24+00 to Sta. 28+00
 City of Massillon
 Stark County, Ohio

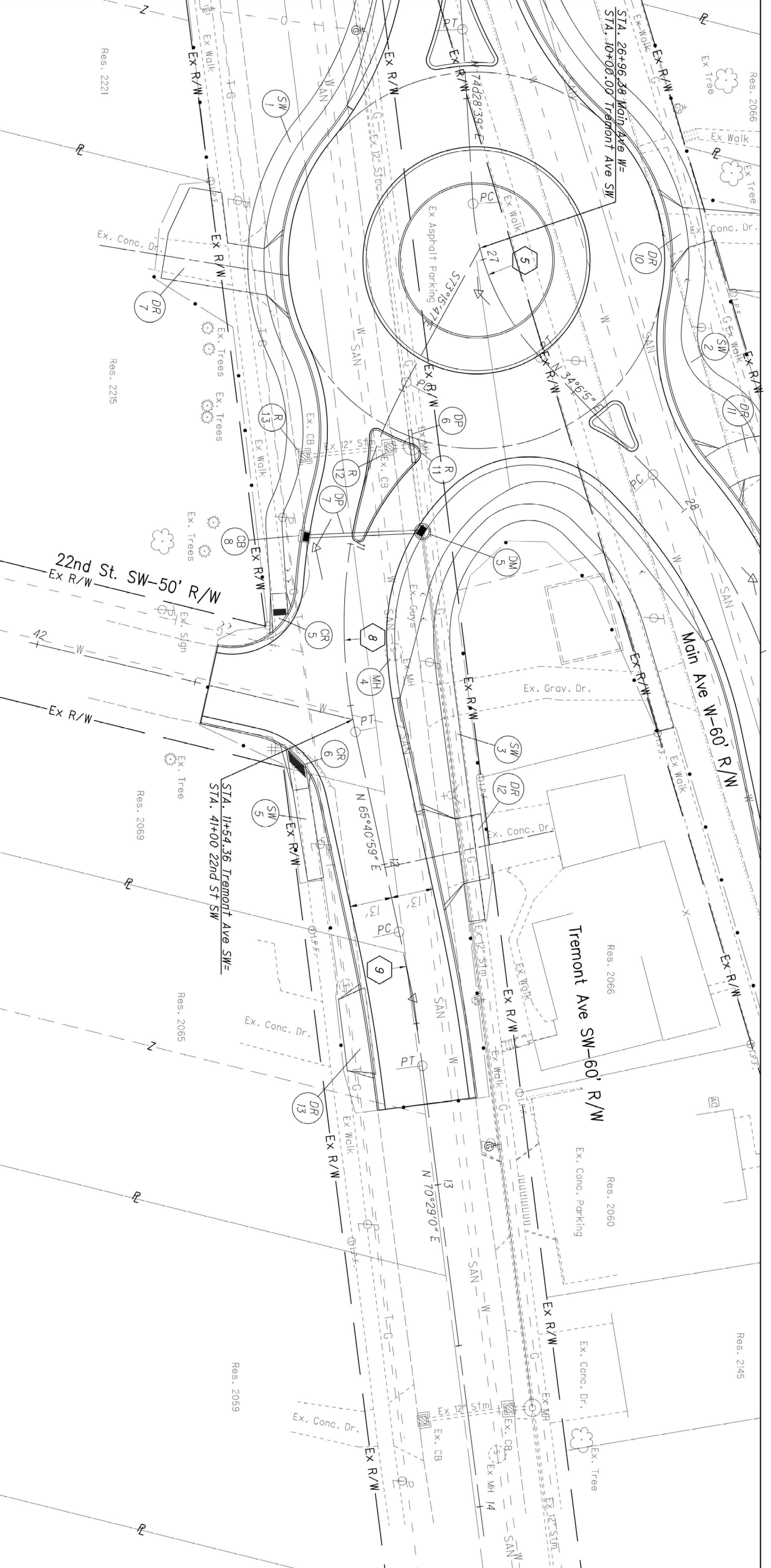
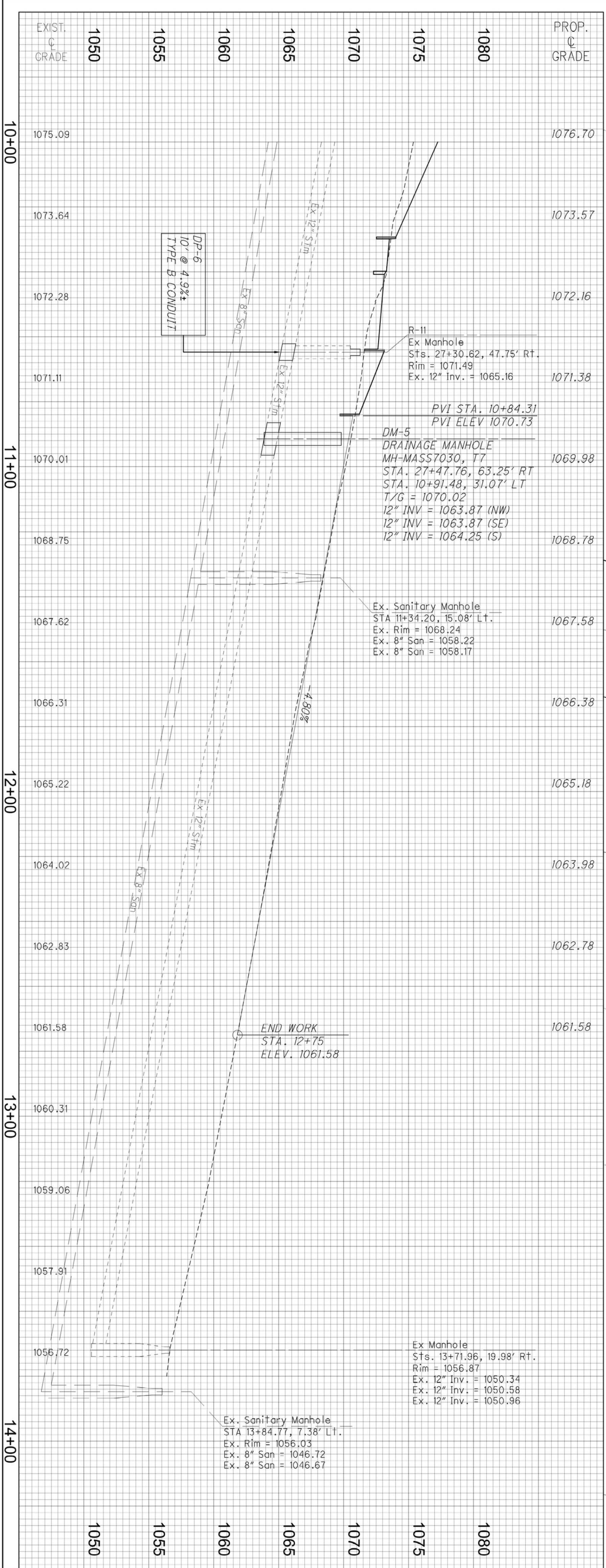
LOGO: 

DESIGNER: **FPW**

REVIEWER / DATE: **AP 7/2025**

PROJECT ID: **00s108/120493**

SHT NO. 15 TOTAL 49



REF.	STATION		SIDE	PIPE REMOVED FOOT	STRUCTURE REMOVED EACH	CURB RAMP SQ FT	CATCH BASIN TYPE: CB- MASS7030 EACH	DRAINAGE MANHOLE MASS 7030 EACH	MANHOLE MASS1048 AGS-R EACH	12" CONDUIT, TYPE B FOOT
	TO	FROM								
R-11	10+60	10+54	LT	10	1					
R-12	10+57	10+54	LT	7	1					
R-13	10+82	10+57	LT/RT	26	1					
DM-5	10+91.48		LT					1		10
CB-8	11+00		LT							
DP-6	10+59	10+69	RT							10
DP-7	11+00	10+91.48	RT							37
CR-5	11+25.23		LT			83	1			
CR-6	11+60.99		LT			98				
MH-4	11+34.20		LT						1	
TOTALS CARRIED TO GENERAL SUMMARY				43	3	181	1	1	1	57

LOGO:

DESIGNER:
FPW

REVIEWER / DATE:
AP 7/2025

PROJECT ID:
005108120493

SHEET NO. / TOTAL:
17 / 49

STA Main/Tremont RAB

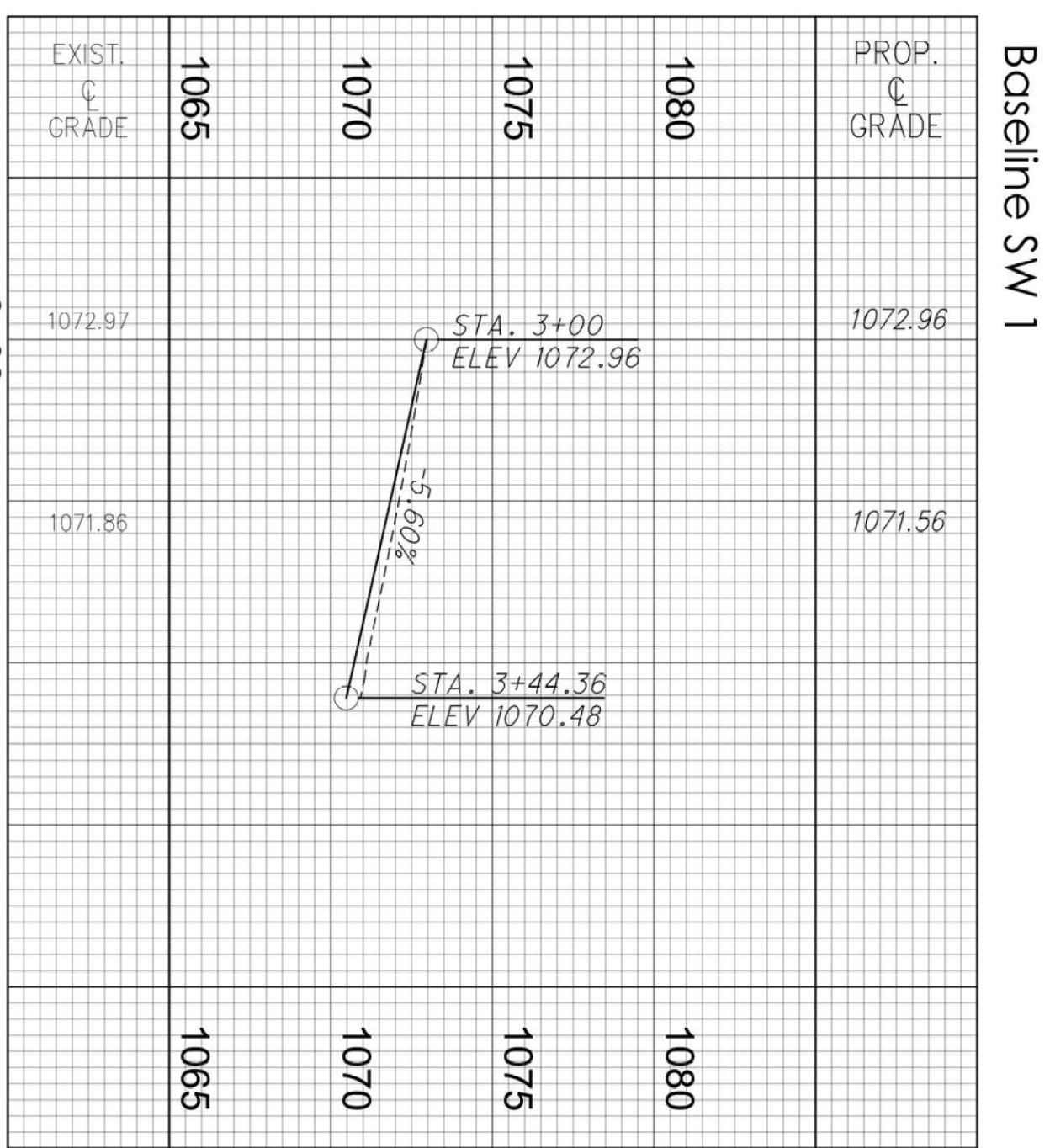
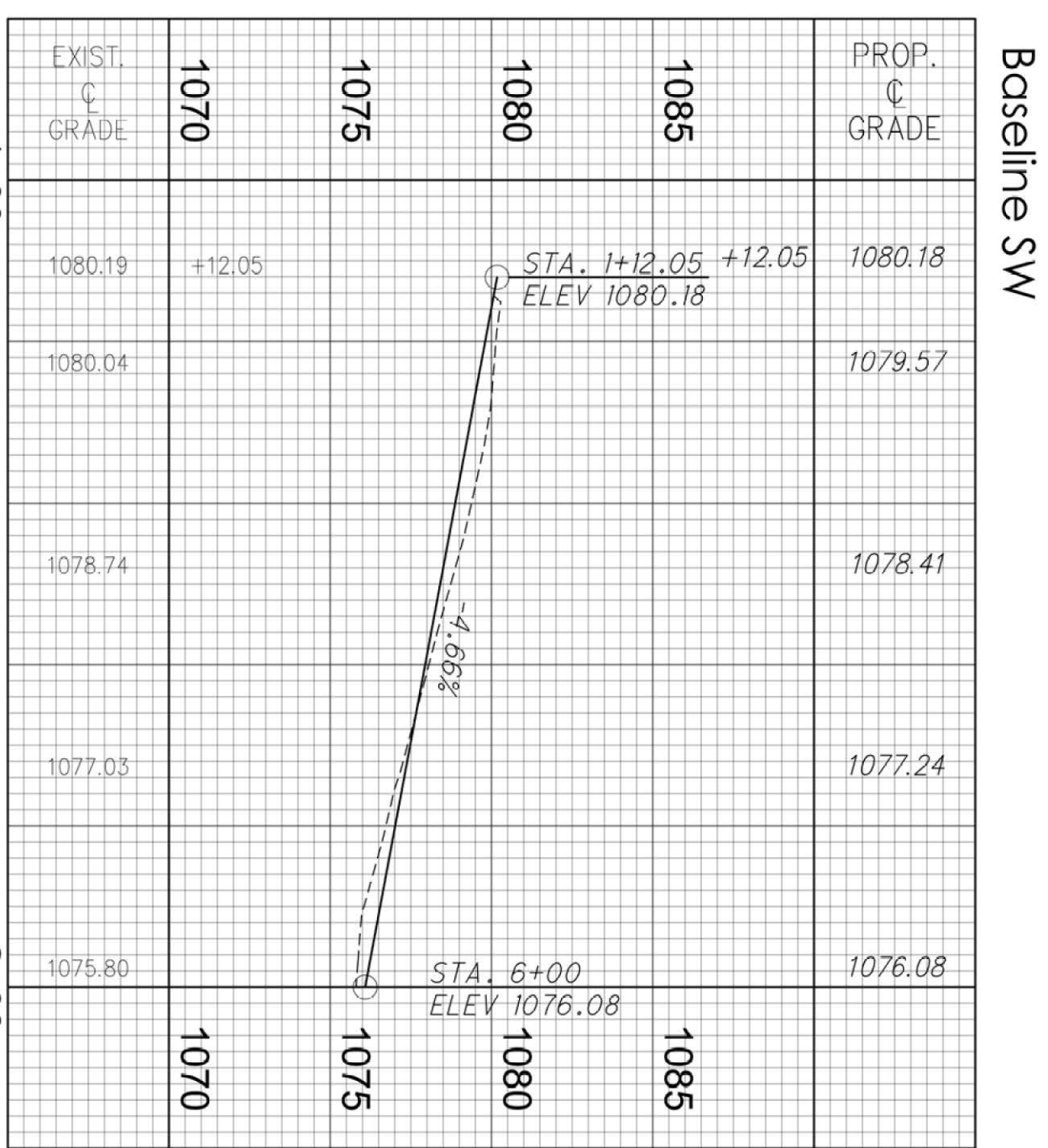
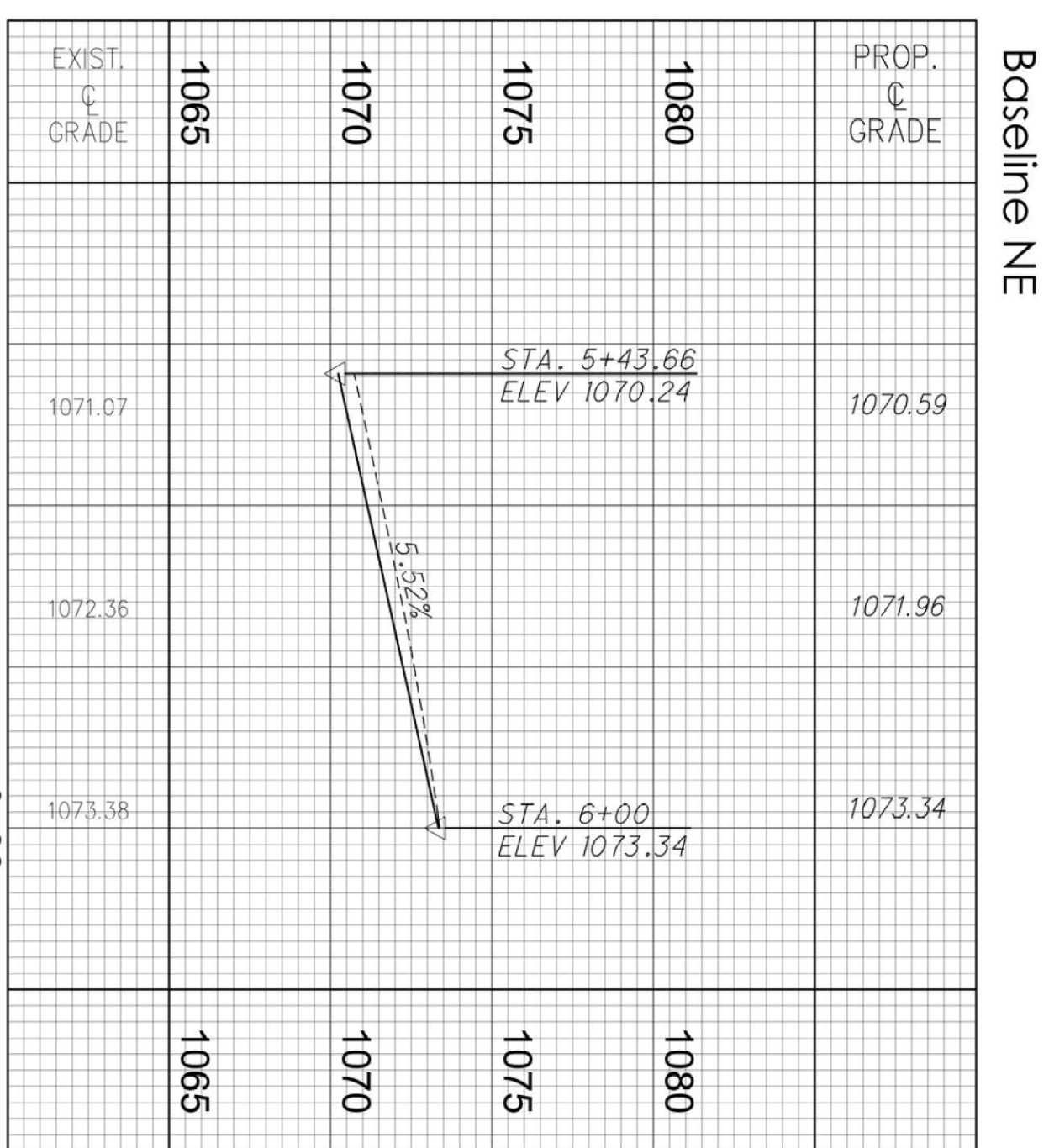
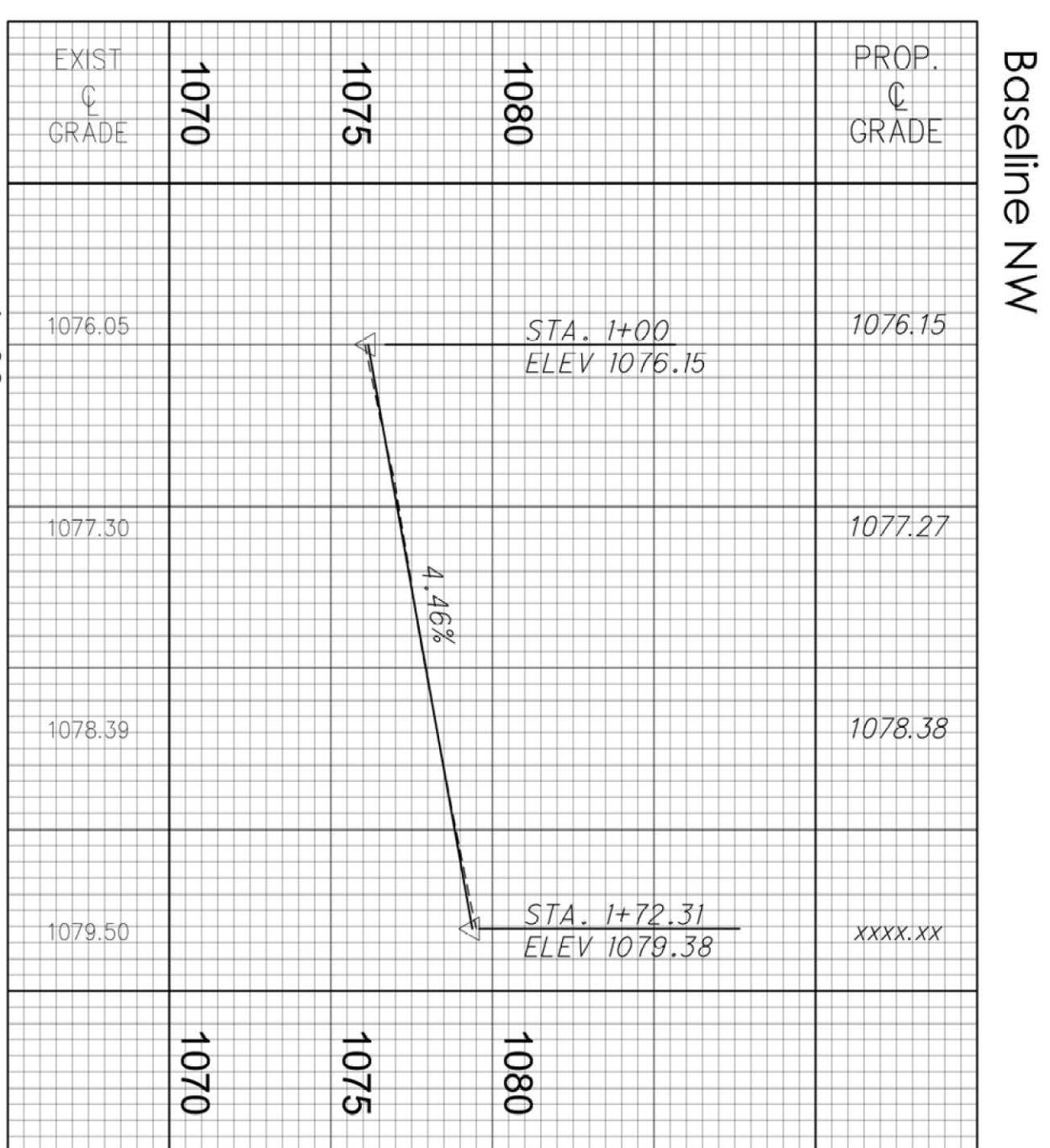
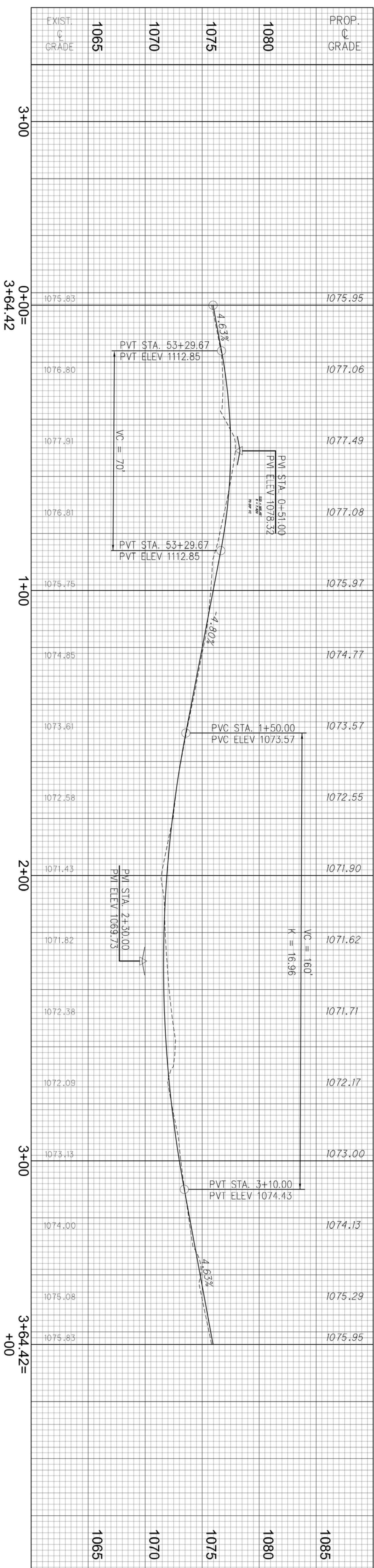
Tremont Rd SW – Plan and Profile Sta. 10+00 to Sta. 14+00

City of Massillon
Stark County, Ohio

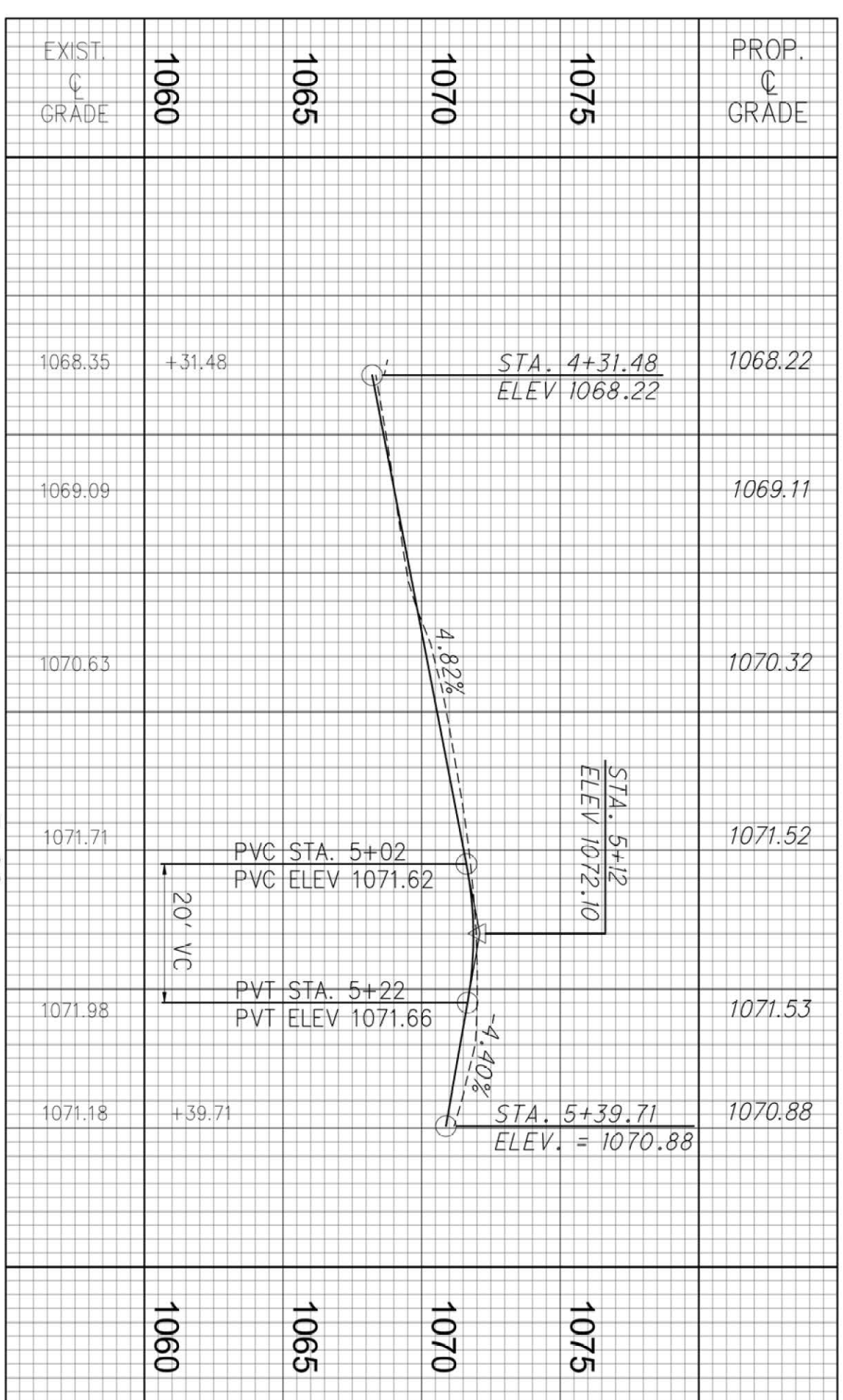
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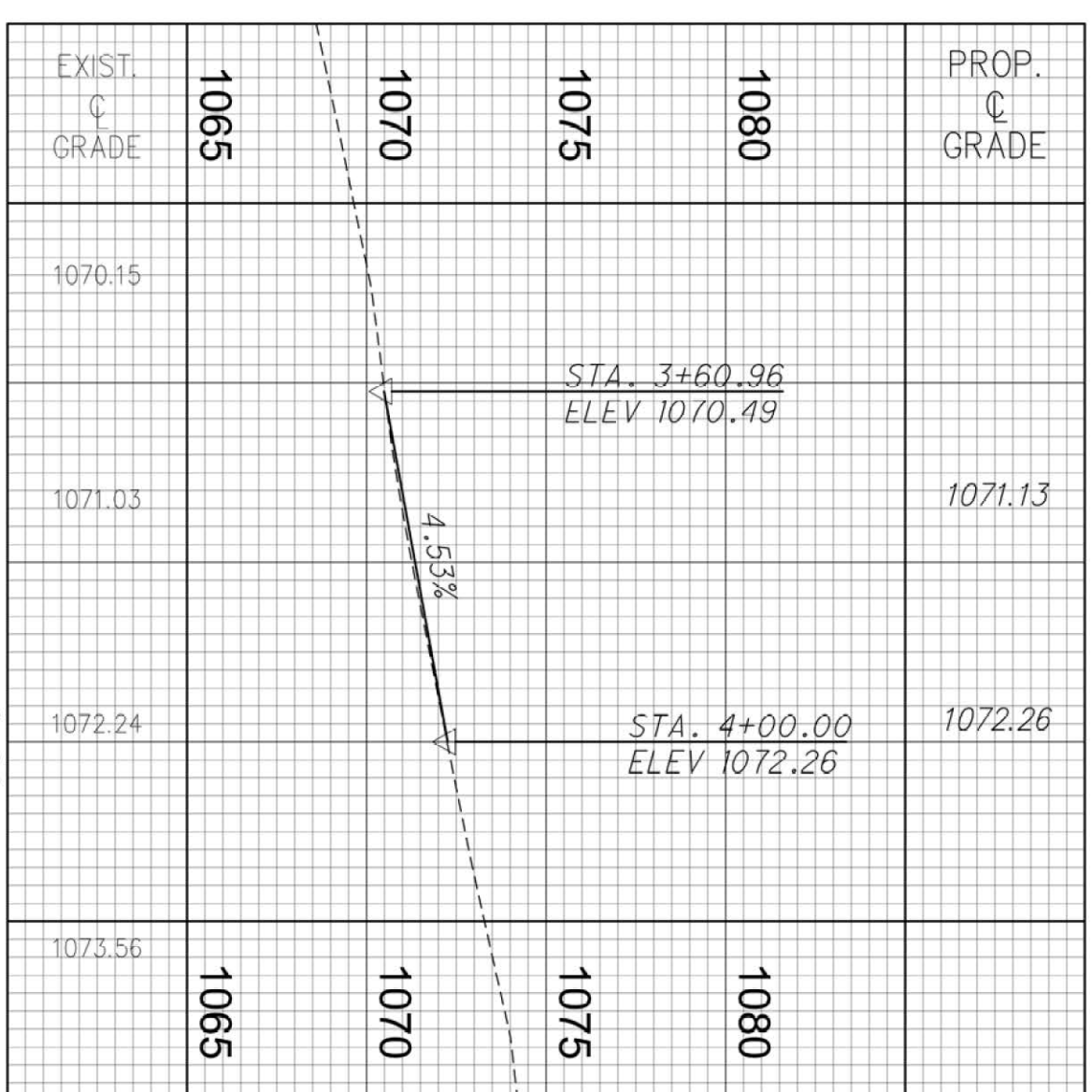
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SCALE IN FEET



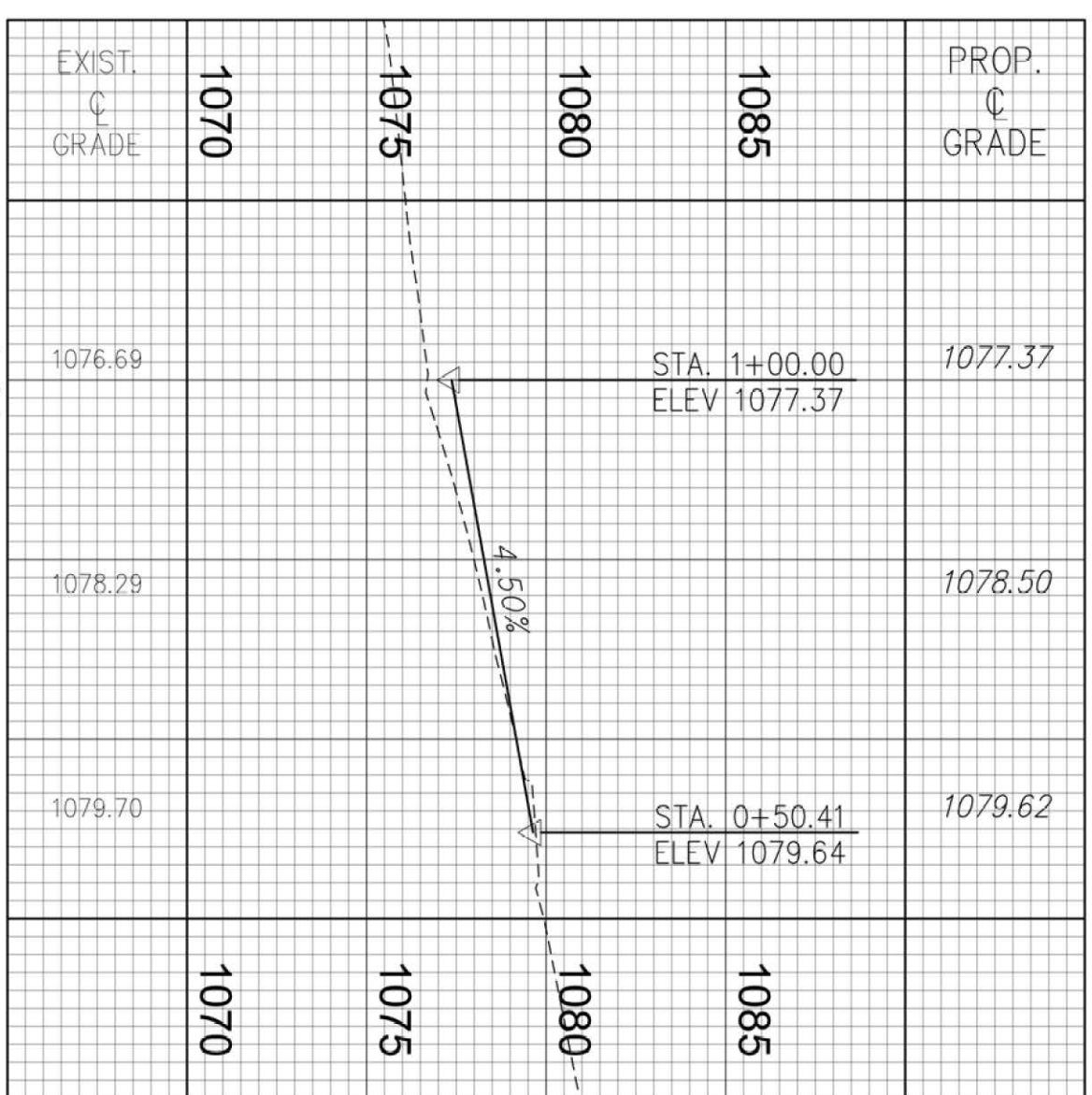
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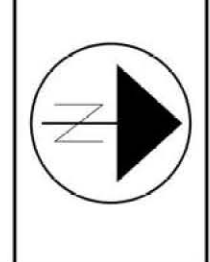
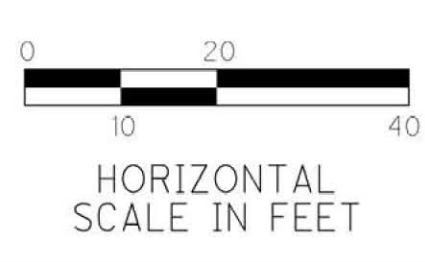
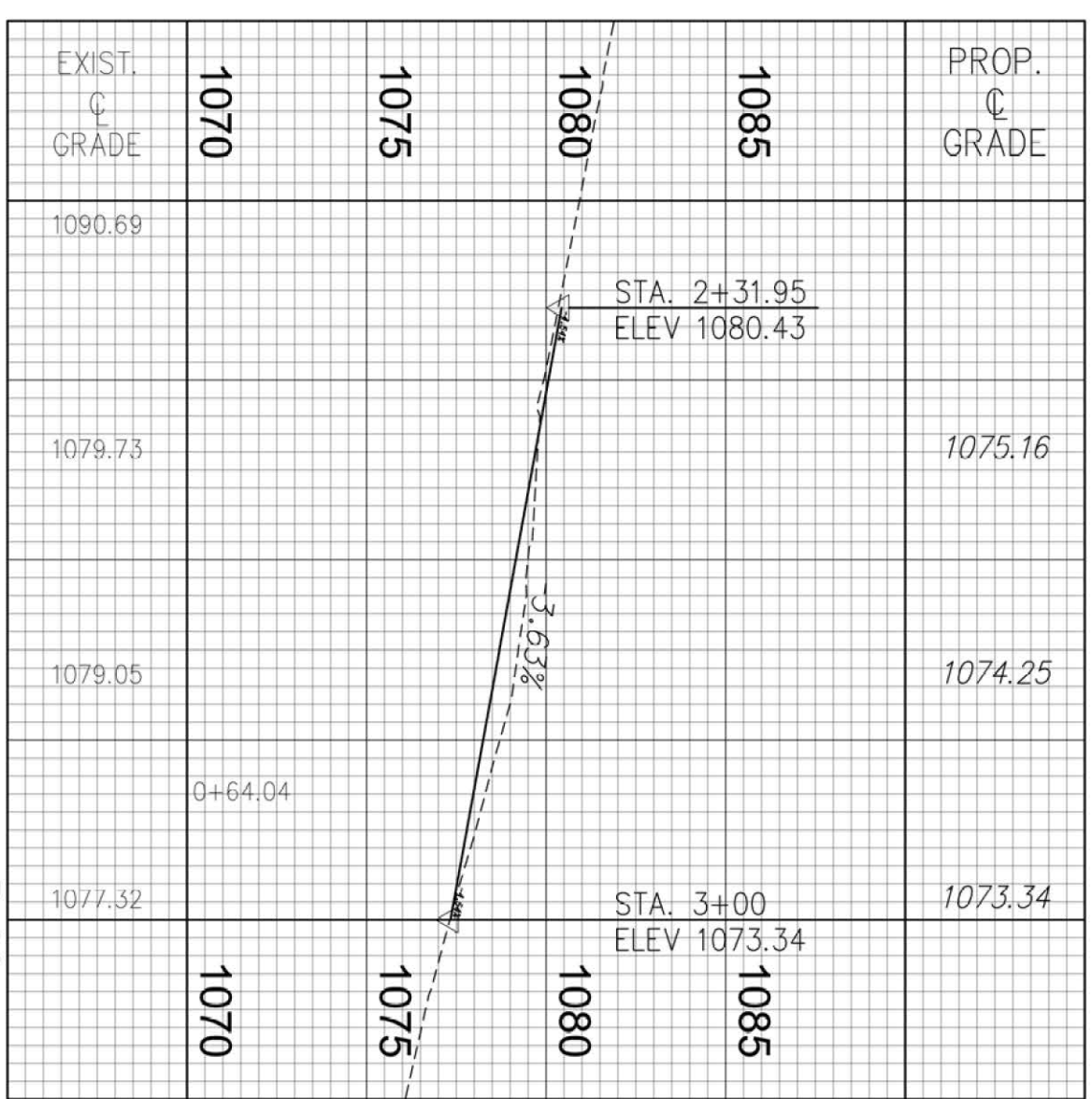
Baseline EL



Baseline WL



Baseline WR

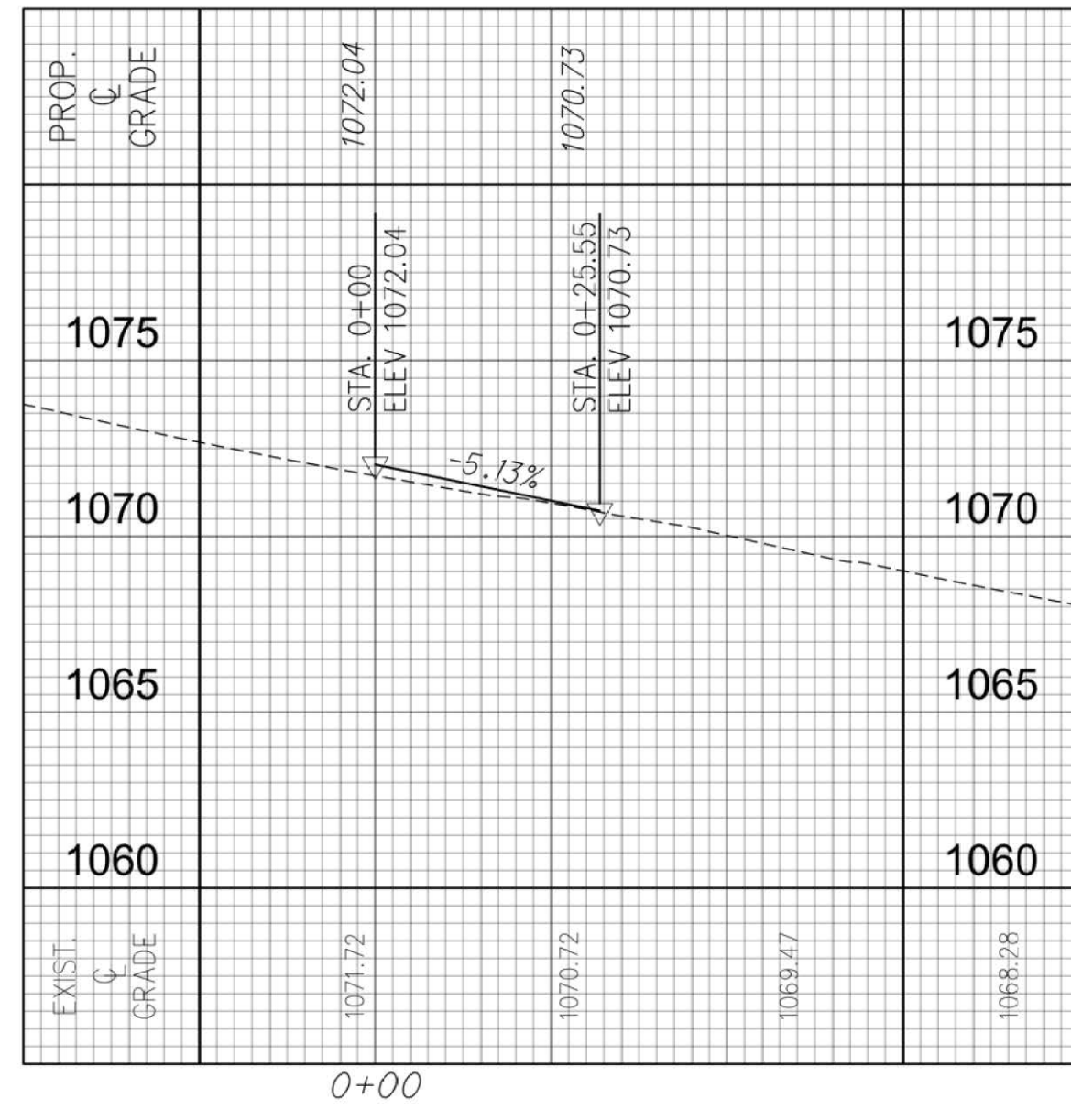


STA Main/Tremont RAB
Roundabout and Reference Profiles
City of Massillon
Stark County, Ohio

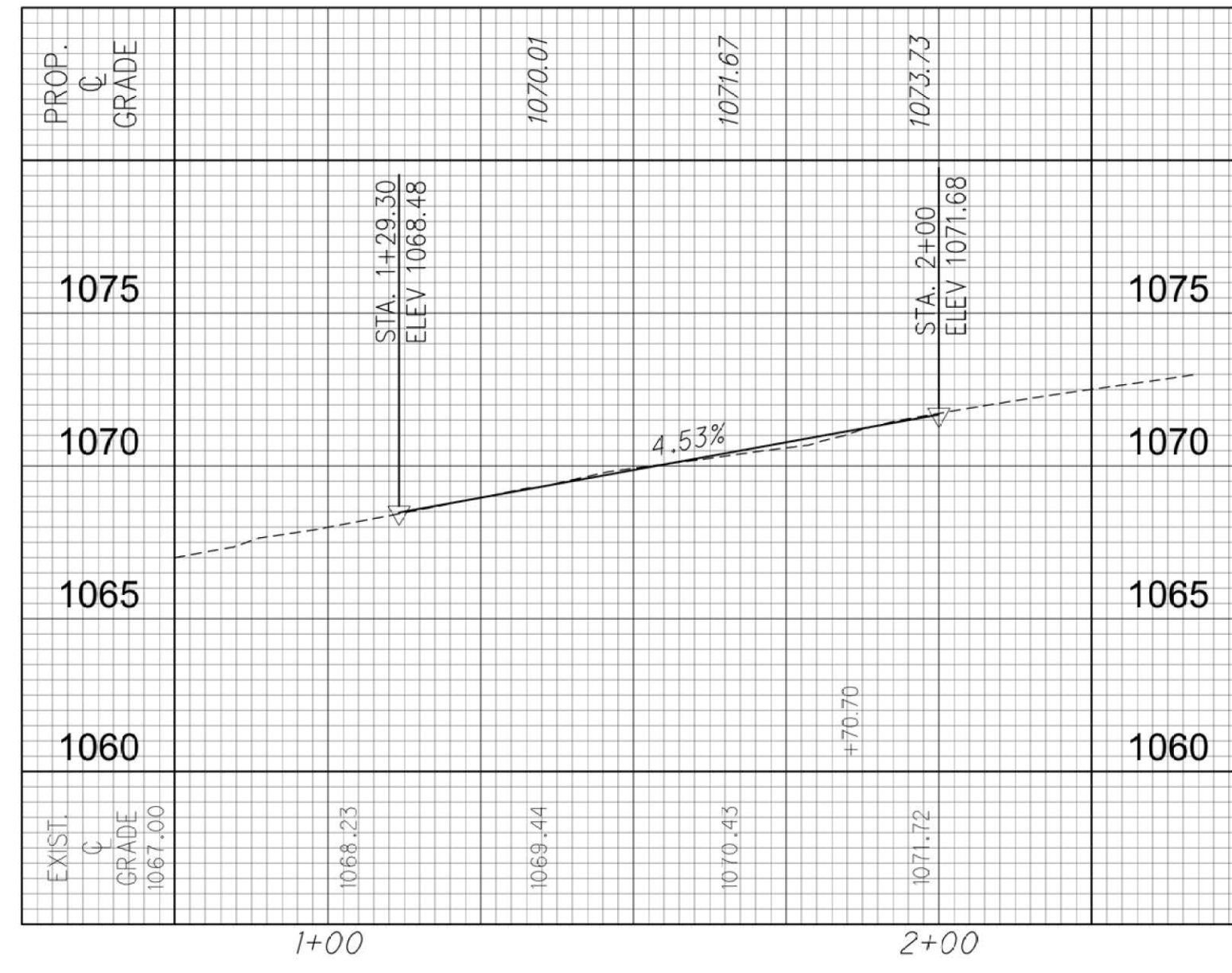


DESIGNER	FFW
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TOTAL	49

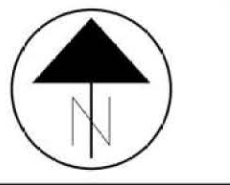
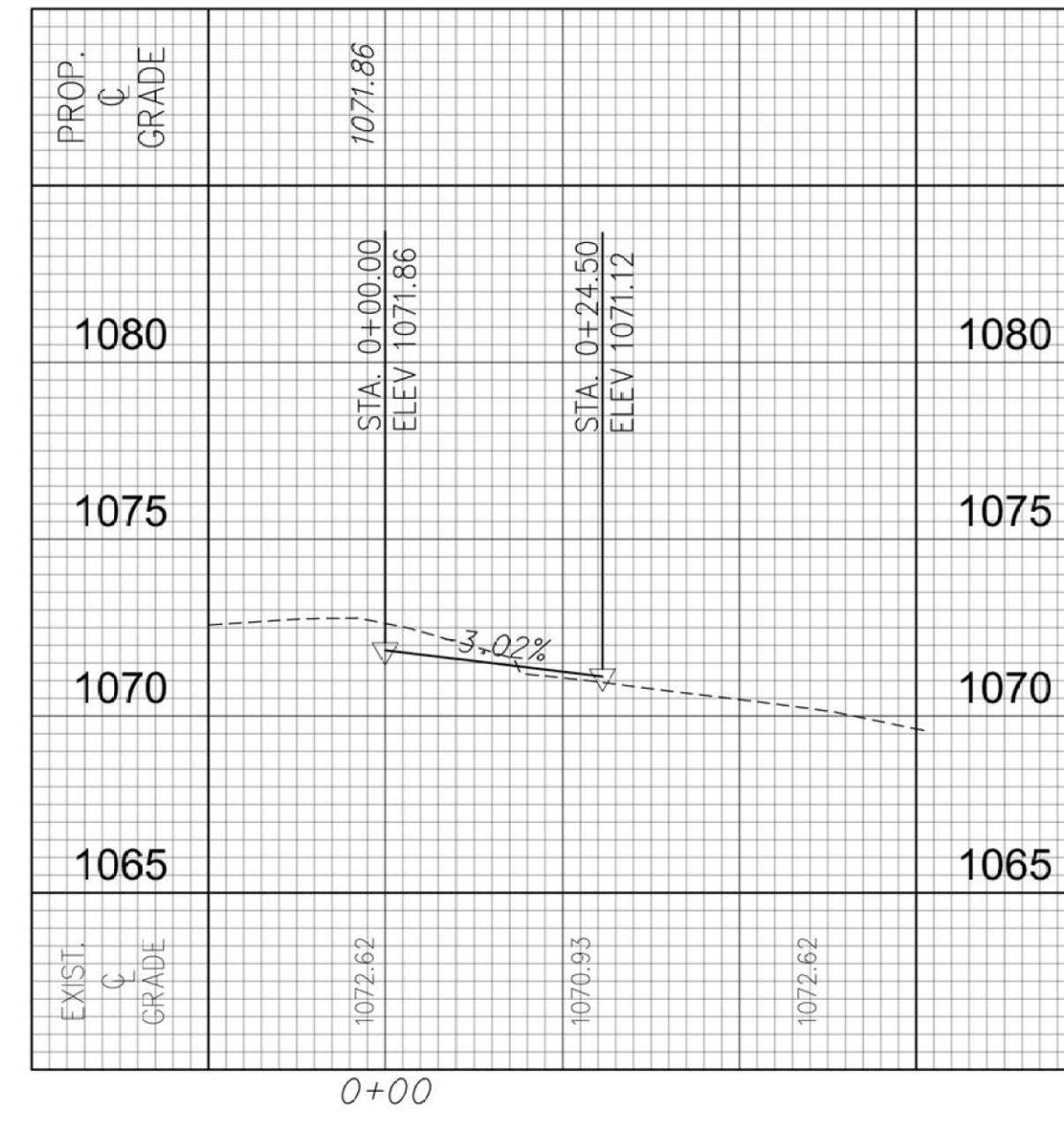
Baseline SL



Baseline SR



Baseline ER



STA Main/Tremont RAB
Roundabout and Reference Profiles
City of Massillon
Stark County, Ohio

LOGG:



DESIGNER
FPW

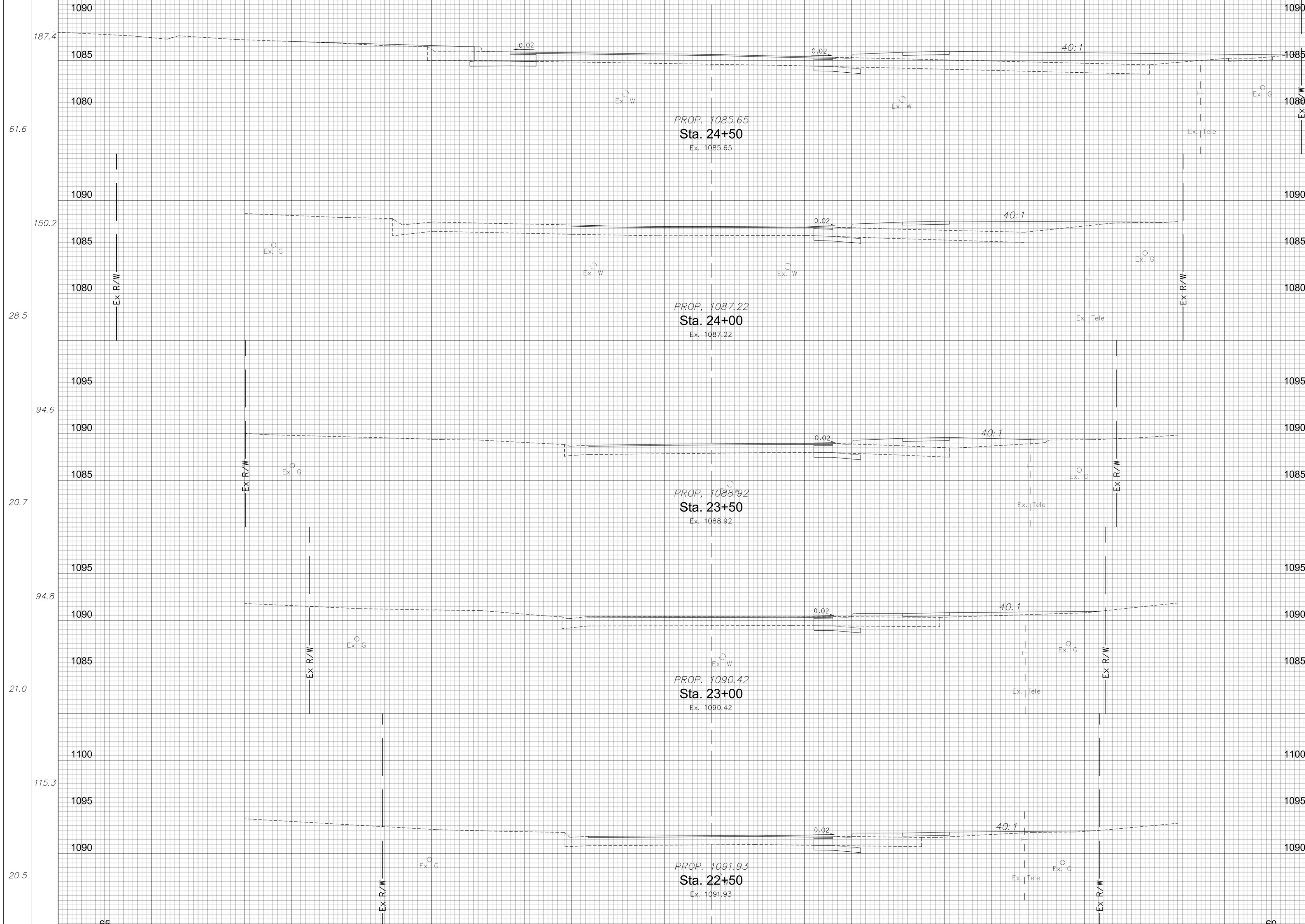
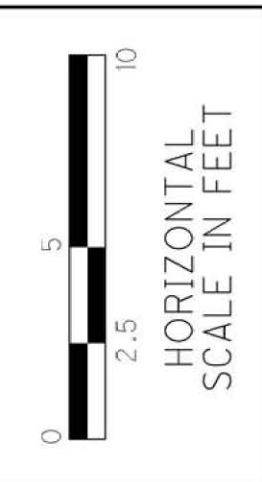
REVIEWER / DATE
AP 7/2025

PROJECT ID
22s108 / 120493

SHT NO. TOTAL
19 49

SEEDING
END SO.
WIDTH YDS.

END AREA
CUT FILL
VOLUME
CUT FILL



ELEVATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
1090				
1085			80.1	158.7
1080	23.7	77.8		
1085			29.2	108.8
1080	7.8	39.7		
1095			14.4	58.8
1090	7.7	23.8		
1095			22.3	36.9
1090	16.4	16.0		
1100			28.6	27.2
1095				
1090	14.4	13.3		
SHEET TOTAL	174.4	390.3		

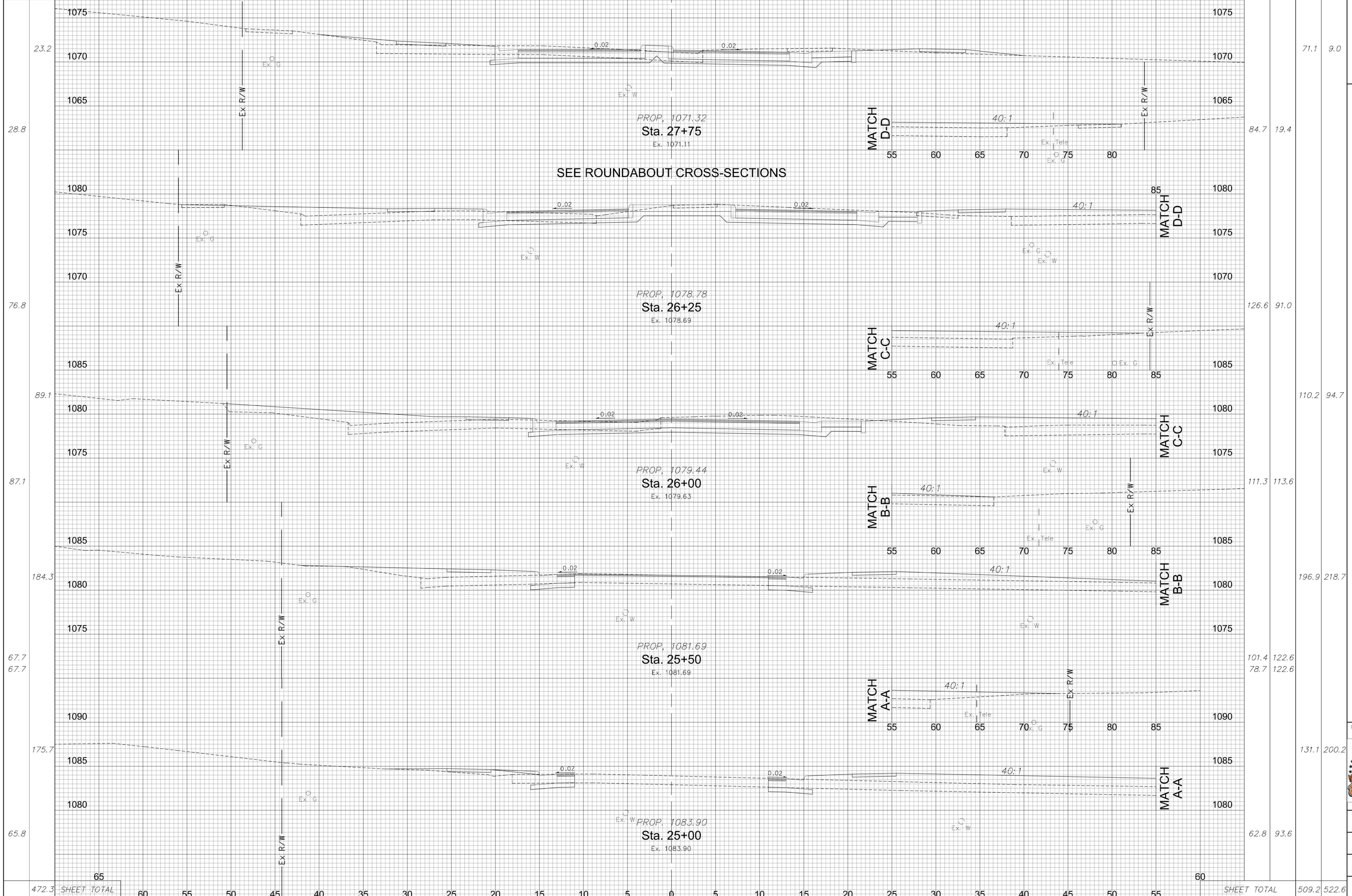
STA Main/Tremont RAB
Cross Section - Main Ave W Sta. 22+50 to Sta. 24+50
City of Massillon
Stark County, Ohio



COMPANY
DESIGNER
FW
REVIEWER / DATE
AP 7/2025
PROJECT ID
22ST08 / 120493
SHEET 21 / SHEET 49

SEEDING
END SO.
WIDTH YDS.

END AREA
CUT FILL
VOLUME
CUT FILL



STA Main/Tremont RAB
Cross Section - Main Ave W Sta. 25+00 to Sta. 27+00
City of Massillon
Stark County, Ohio

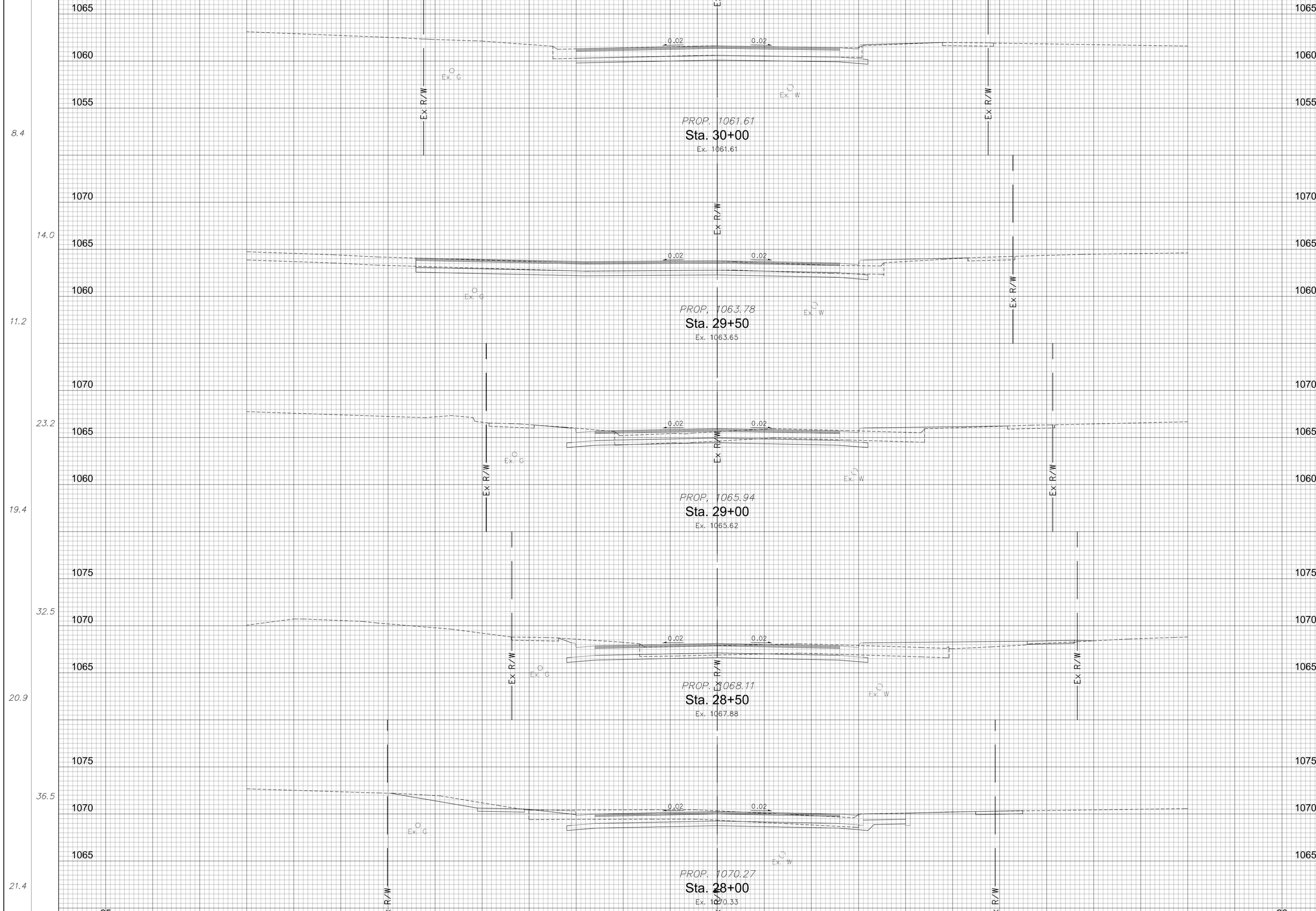
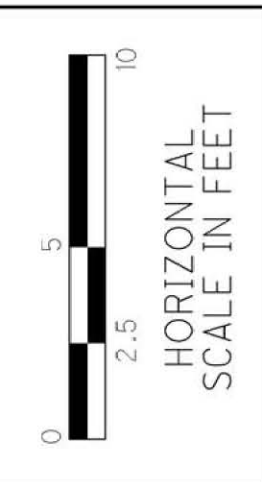


COMPANY	
DESIGNER	FPW
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SHEET	22
SHEET	49

509.2	522.6
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SEEDING
END SO.
WIDTH YDS.

END AREA
CUT FILL
VOLUME
CUT FILL



END AREA	VOLUME
CUT	FILL
47.3	1.2
73.3	4.6
59.1	6.7
54.4	9.9
53.8	12.9
61.7	18
68.8	0
60.4	8.4
68.8	0
SHEET TOTAL	
251.0	31.2
TOTAL	
981	981.2

106.2	SHEET TOTAL
1466.9	TOTAL

65	60	55	50	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	50	55	60
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STA Main/Tremont RAB
Cross Section - Main Ave W Sta. 27+50 to Sta. 29+50
City of Massillon
Stark County, Ohio

COMPANY

DESIGNER
FW

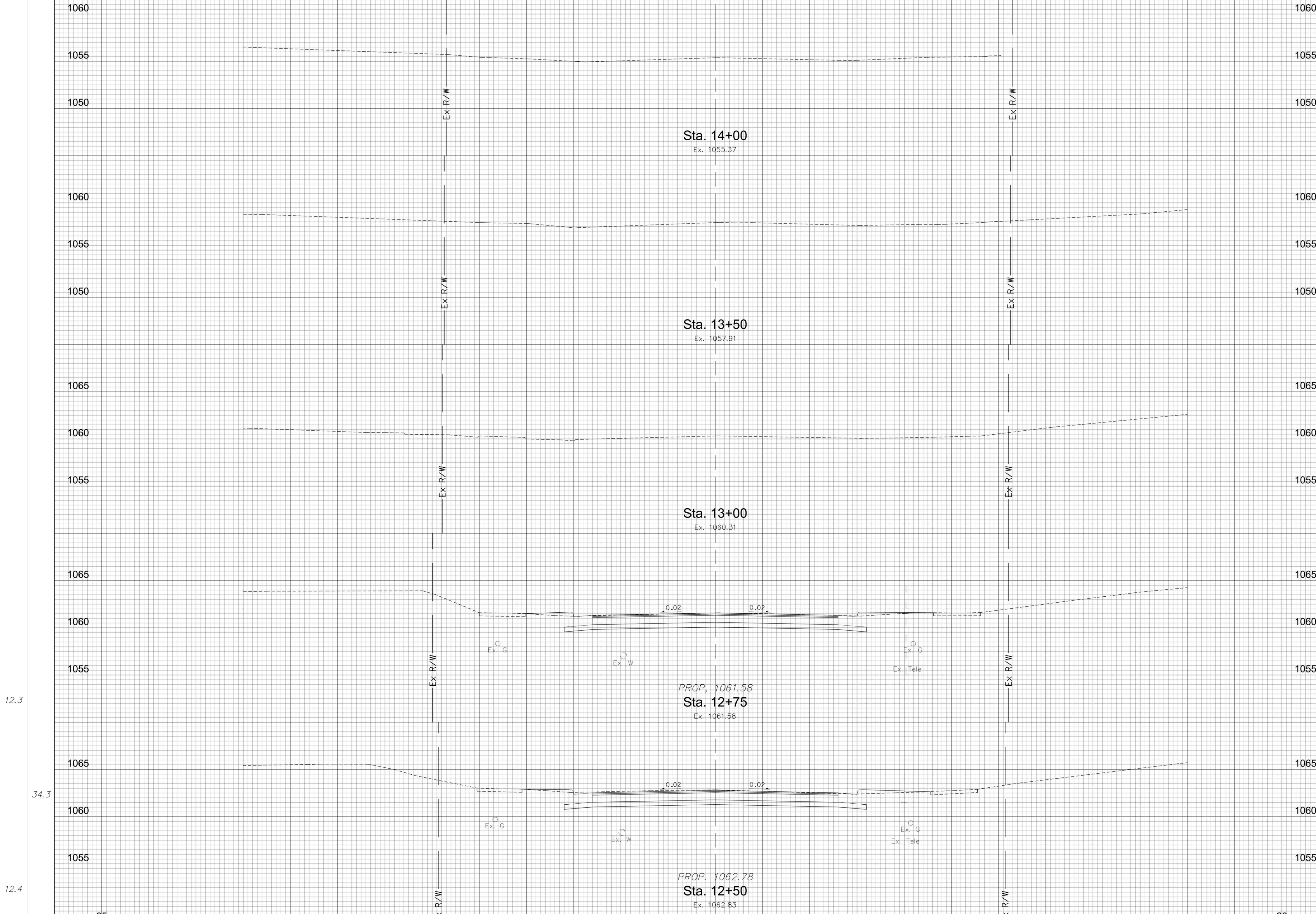
REVIEWER / DATE
AP 7/2025

PROJECT ID
22ST08 / 120493

SHEET 23 / SHEET 49

SEEDING
END SO.
WIDTH YDS.

END AREA
CUT FILL
VOLUME
CUT FILL



12.3
34.3
12.4

48.4 2.4
44.8 2.2
49.6 2.3

34.3	SHEET TOTAL
399.2	TOTAL

65	
60	
SHEET TOTAL	44.8 2.2
TOTAL	611.9 63.3

STA Main/Tremont RAB
Cross Section - Tremont Ave SW Sta. 12+50 to Sta. 14+00
City of Massillon
Stark County, Ohio

COMPANY

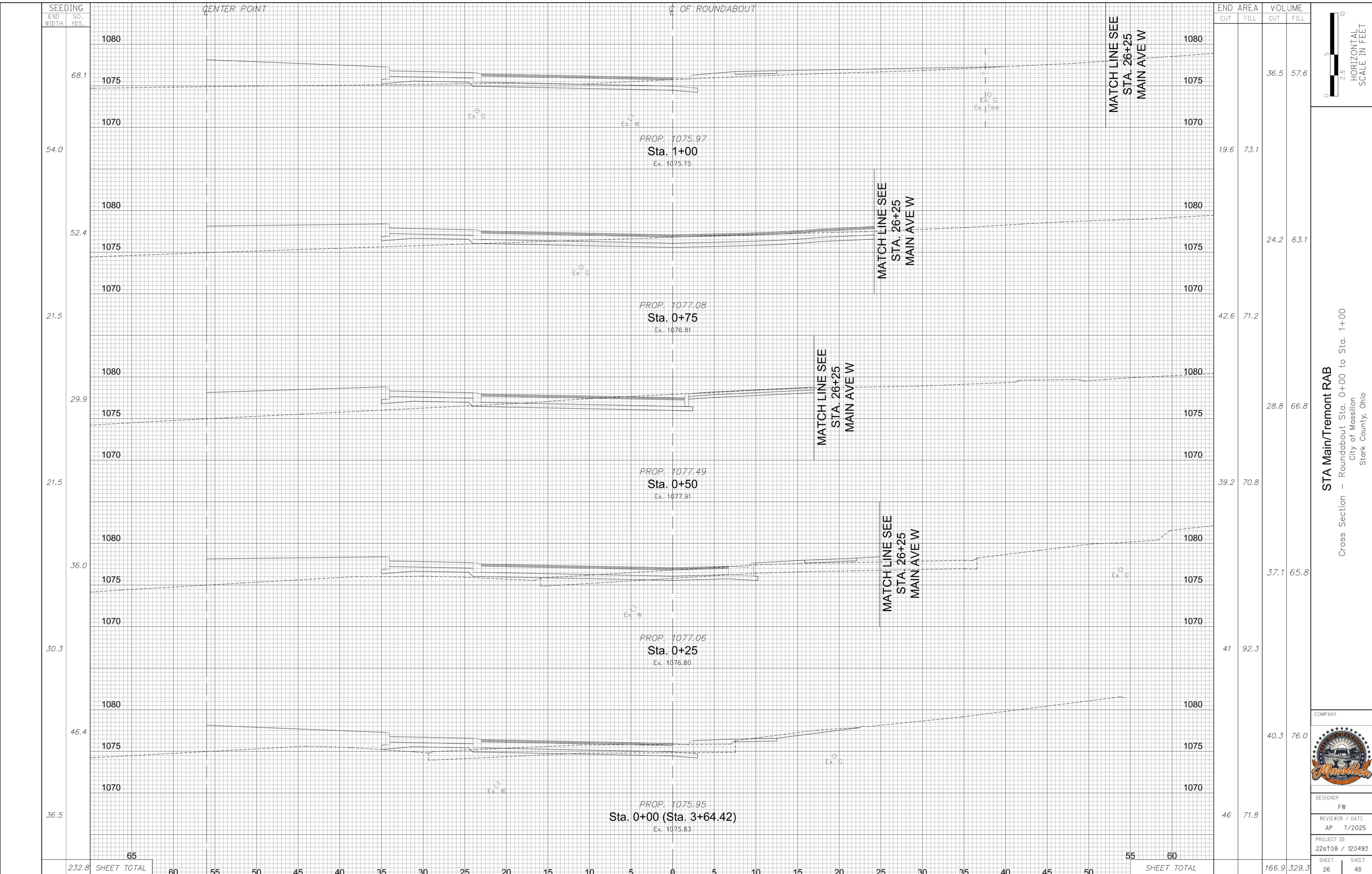


DESIGNER
FW

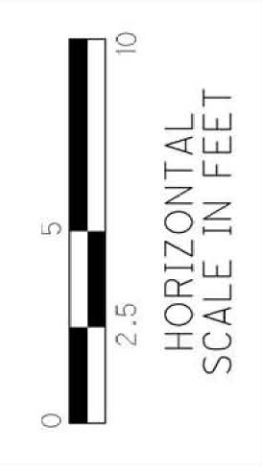
REVIEWER / DATE
AP 7/2025

PROJECT ID
22sT08 / 120493

SHEET 25 SHEET 49



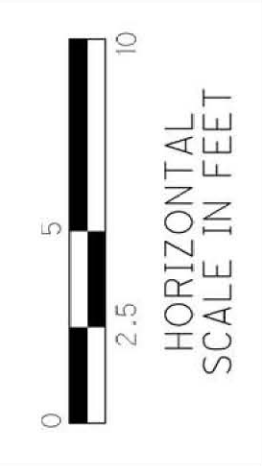
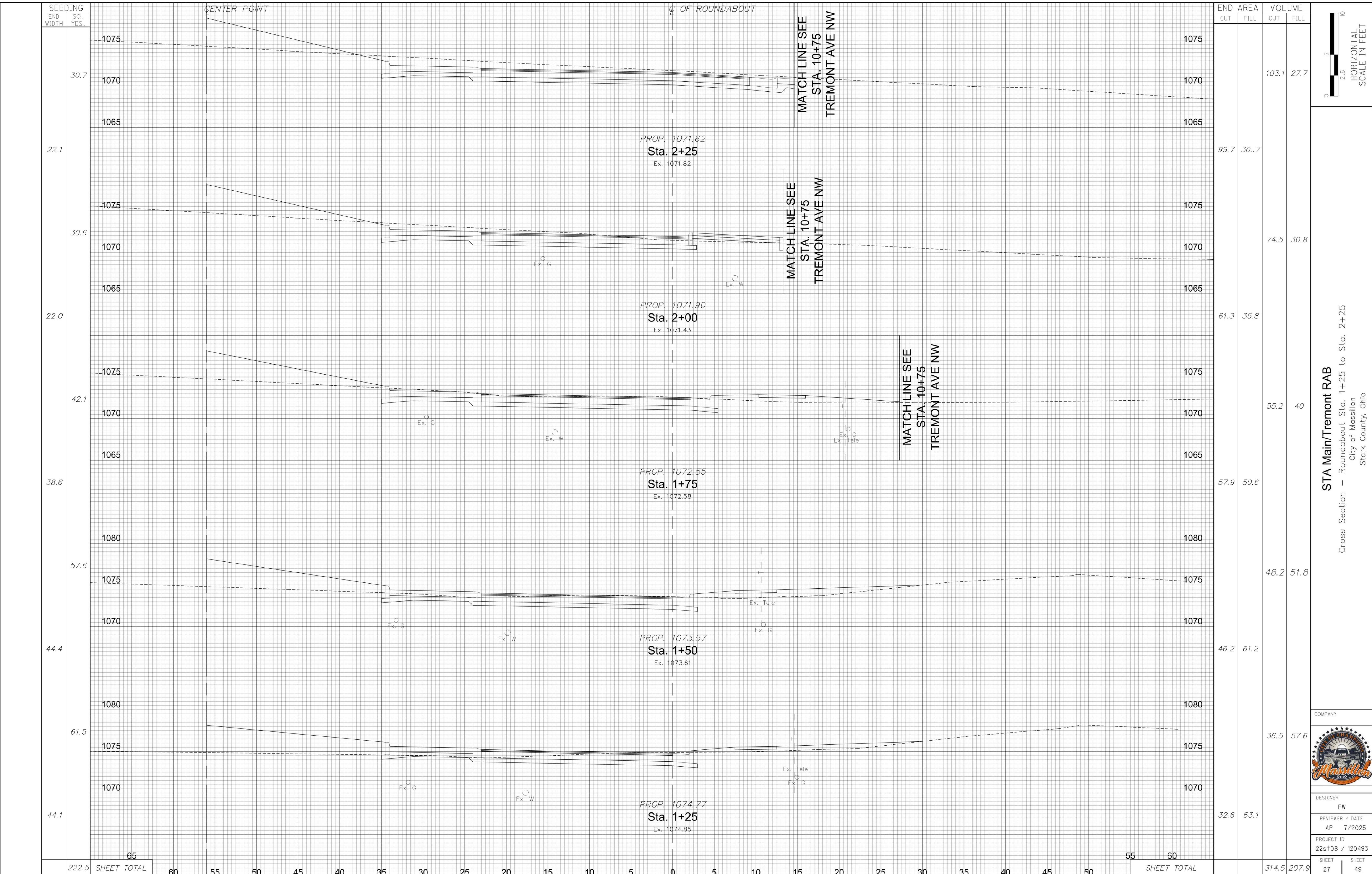
SEEDING END WIDTH	SO. YDS.	ELEVATION	END AREA		VOLUME	
			CUT	FILL	CUT	FILL
68.1		1080				
		1075			36.5	57.6
54.0		1070	19.6	73.1		
		1080				
52.4		1075			24.2	63.1
		1070				
21.5		1070	42.6	71.2		
		1080				
29.9		1075			28.8	66.8
		1070				
21.5		1070	39.2	70.8		
		1080				
36.0		1075			37.1	65.8
		1070				
30.3		1070	41	92.3		
		1080				
46.4		1075			40.3	76.0
		1070				
36.5		1070	46	71.8		
65						
232.8	SHEET TOTAL				166.9	329.3



STA Main/Tremont RAB
 Cross Section - Roundabout Sta. 0+00 to Sta. 1+00
 City of Massillon
 Stark County, Ohio



COMPANY
DESIGNER FW
REVIEWER / DATE AP 7/2025
PROJECT ID 22sT08 / 120493
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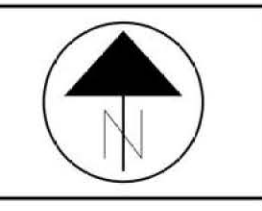
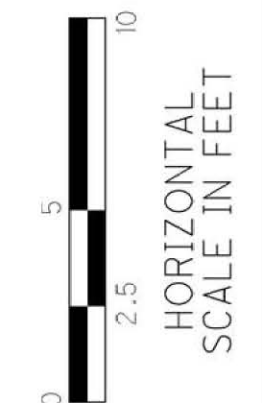
STA Main/Tremont RAB
 Cross Section - Roundabout Sta. 1+25 to Sta. 2+25
 City of Massillon
 Stark County, Ohio



COMPANY	
DESIGNER FW	
REVIEWER / DATE AP 7/2025	
PROJECT ID 22s108 / 120493	
SHEET 27	SHEET 49

* - ELEVATION AT TOP OF CURB

TOP OF CURB
 STA. 24+70.16, 41.00' LT.
 STA. 59+99.47, 41.55' RT.
 $\Delta = 116^{\circ}41'02''$
 $DC = 224^{\circ}41'22''$
 $R = 25.50'$
 $L = 51.93'$
 $C = 43.41'$
 $T = 41.36'$
 $E = 23.09'$



STA Main/Tremont RAB
 Main Ave W - 23rd St NW Intersection Detail
 City of Massillon
 Stark County, Ohio

LOGO:

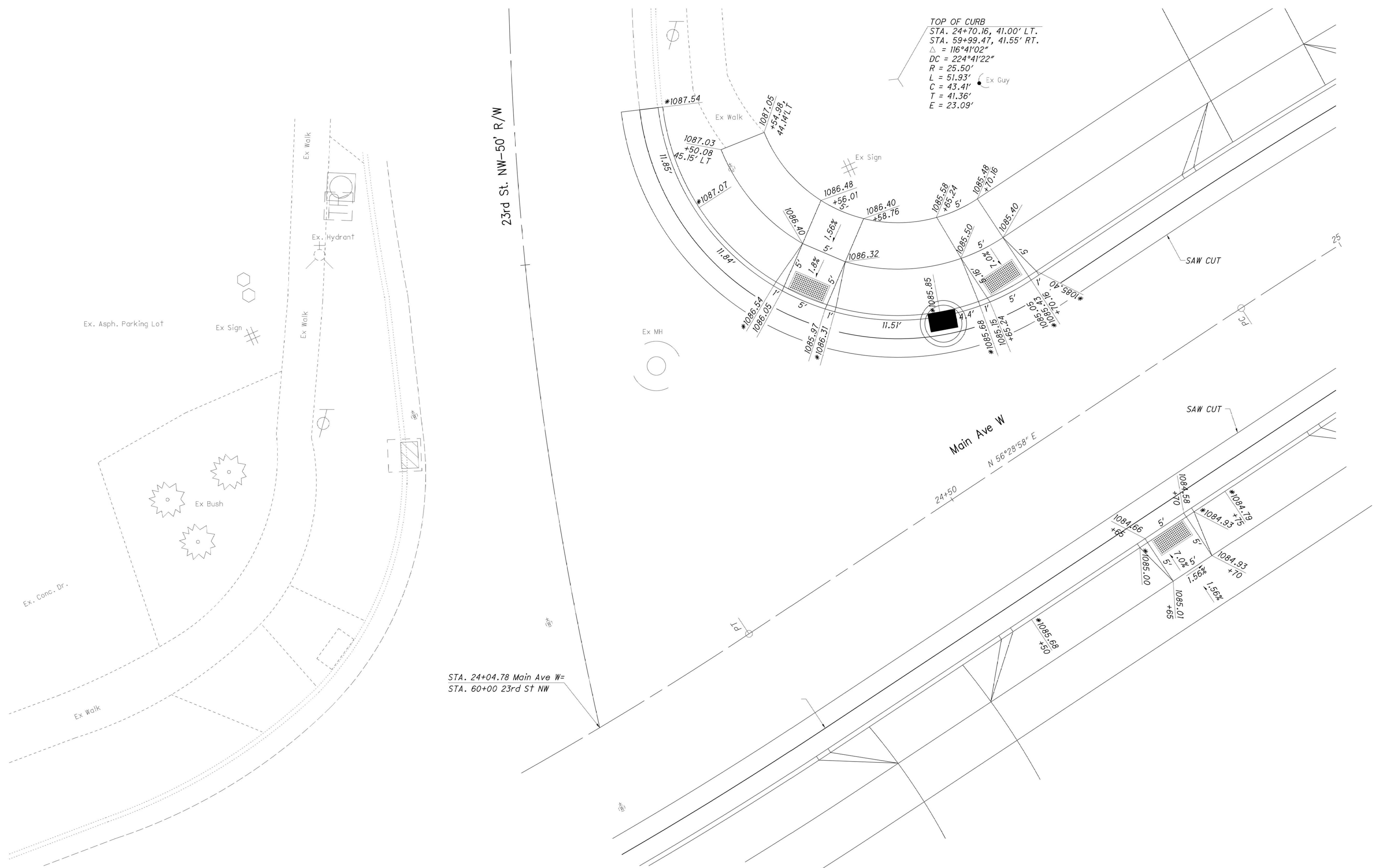


DESIGNER
 FPW

REVIEWER / DATE
 AP 7/2025

PROJECT ID
 00s108/120493

SHT NO.	TOTAL
29	49

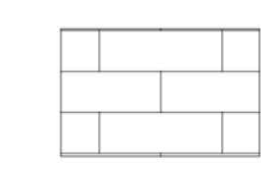


STA. 24+04.78 Main Ave W=
 STA. 60+00 23rd St NW

STA. 26+55.41,
25.50' RT.

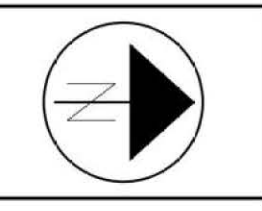
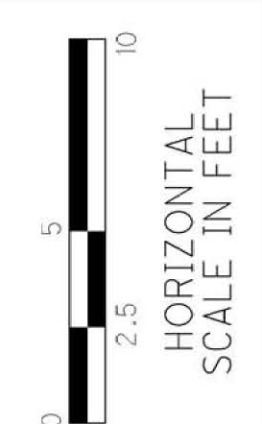
STA. 25+70.03, 80.48
15.5' RT.

LEGEND:



ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS CCMS (DECORATIVE), (TRUCK APRON)
(STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)

TOP OF CURB
 STA. 25+95.60, 115.0' LT.
 $\Delta = 40^\circ 36' 54''$
 $DC = 57^\circ 35' 01''$
 $R = 99.50'$
 $T = 36.82'$
 $L = 70.53'$
 $E = 6.59'$
 PC STA. 25+95.59, 15.5' LT
 PT STA. 26+57.32, 42.9' LT



TOP OF CURB
 STA. 25+77.92, 115.0' RT.
 $\Delta = 49^\circ 24' 22''$
 $DC = 57^\circ 35' 01''$
 $R = 99.50'$
 $T = 45.77'$
 $L = 85.80'$
 $E = 10.02'$
 PC STA. 25+77.92, 15.5' RT.
 PT STA. 26+58.76, 44.29' RT.

TRUCK LANE
 PI = N: 409578.7465
 PI = E: 2231220.3960
 $\Delta = 21^\circ 50' 19''$
 $DC = 27^\circ 11' 47''$
 $R = 210.68'$
 $T = 40.64'$
 $L = 80.30'$
 $E = 3.89'$

BACK OF SIDEWALK
 PI = STA 26+12.90, 22.01' RT
 $\Delta = 21^\circ 50' 19''$
 $DC = 27^\circ 11' 47''$
 $R = 210.68'$
 $T = 40.64'$
 $L = 80.30'$
 $E = 3.89'$

STA. 26+56.75,
55.70' RT.

STA. 26+50.00,
37.03' RT.

STA Main/Tremont RAB
 West Leg Main Ave W and Roundabout
 City of Massillon
 Stark County, Ohio



DESIGNER	AP
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PROJECT ID	22ST08 / 120493
SHEET	SHEET
30	49

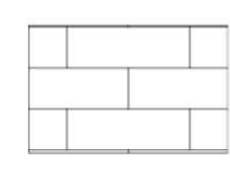
C1 TOP OF CURB
 STA. 27+94.48, 75.0' LT.
 $\Delta = 70^\circ 05' 50''$
 $DC = 96^\circ 17' 44''$
 $R = 59.50'$
 $T = 29.06'$
 $L = 54.07'$
 $E = 6.72'$

C3 TRUNK LANE
 STA. 27+77.23, 40.54' RT.
 $\Delta = 53^\circ 21' 39''$
 $DC = 286^\circ 28' 44''$
 $R = 20.0'$
 $T = 10.05'$
 $L = 18.63'$
 $E = 2.383'$

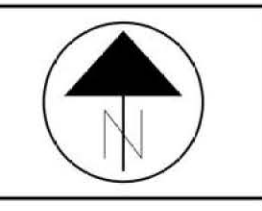
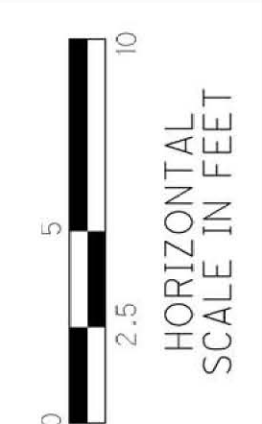
C2 TOP OF CURB
 STA. 27+80.12, 48.0' RT.
 $\Delta = 88^\circ 21' 48''$
 $DC = 176^\circ 17' 41''$
 $R = 32.50'$
 $T = 31.59'$
 $L = 50.12'$
 $E = 12.82'$

TRUNK LANE
 $PI = N: 409629.6524$
 $PI = E: 2231379.9535$
 $\Delta = 47^\circ 18' 08''$
 $DC = 112^\circ 20' 41''$
 $R = 51.00'$
 $T = 22.34'$
 $L = 42.11'$
 $E = 4.68'$

LEGEND:



ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS OCMS (DECORATIVE), (TRUCK APRON)
 (STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)

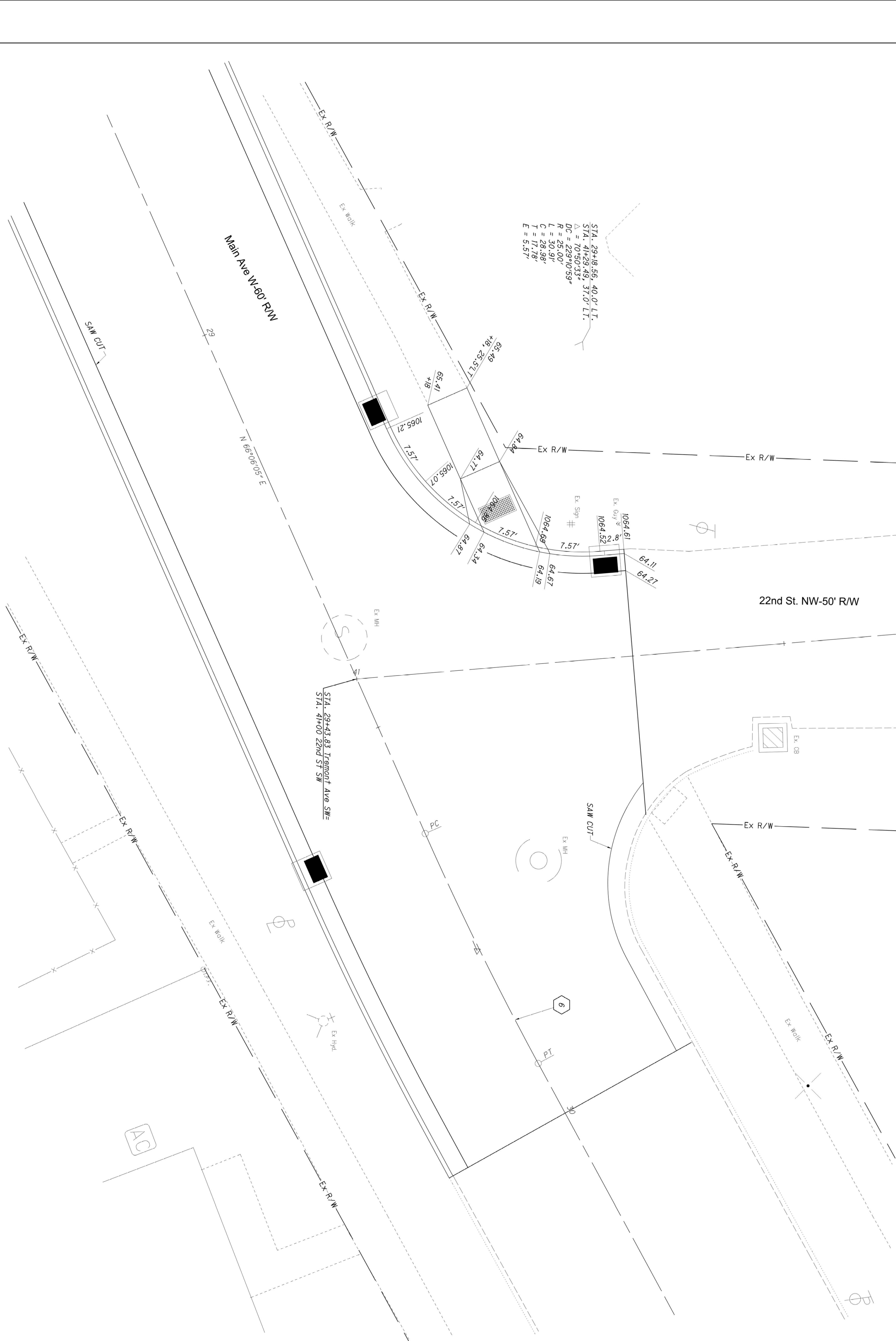


STA Main/Tremont RAB

East Leg Main Ave w
 City of Massillon
 Stark County, Ohio



DESIGNER	AP
REVIEWER / DATE	FW 3/6/2025
PROJECT ID	22ST08 / 120493
SHEET	SHEET
31	49

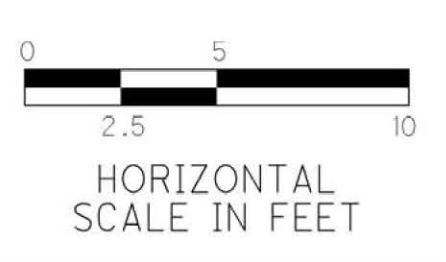
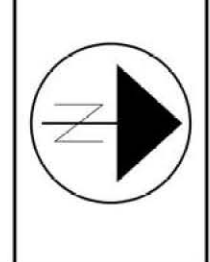


STA. 29+18.56, 40.0' LT.
 STA. 41+29.49, 37.0' LT.
 $\Delta = 70^{\circ}50'33.2''$
 $DC = 229^{\circ}0'59''$
 $R = 25.00'$
 $L = 30.91'$
 $C = 28.98'$
 $T = 17.78'$
 $E = 5.57'$

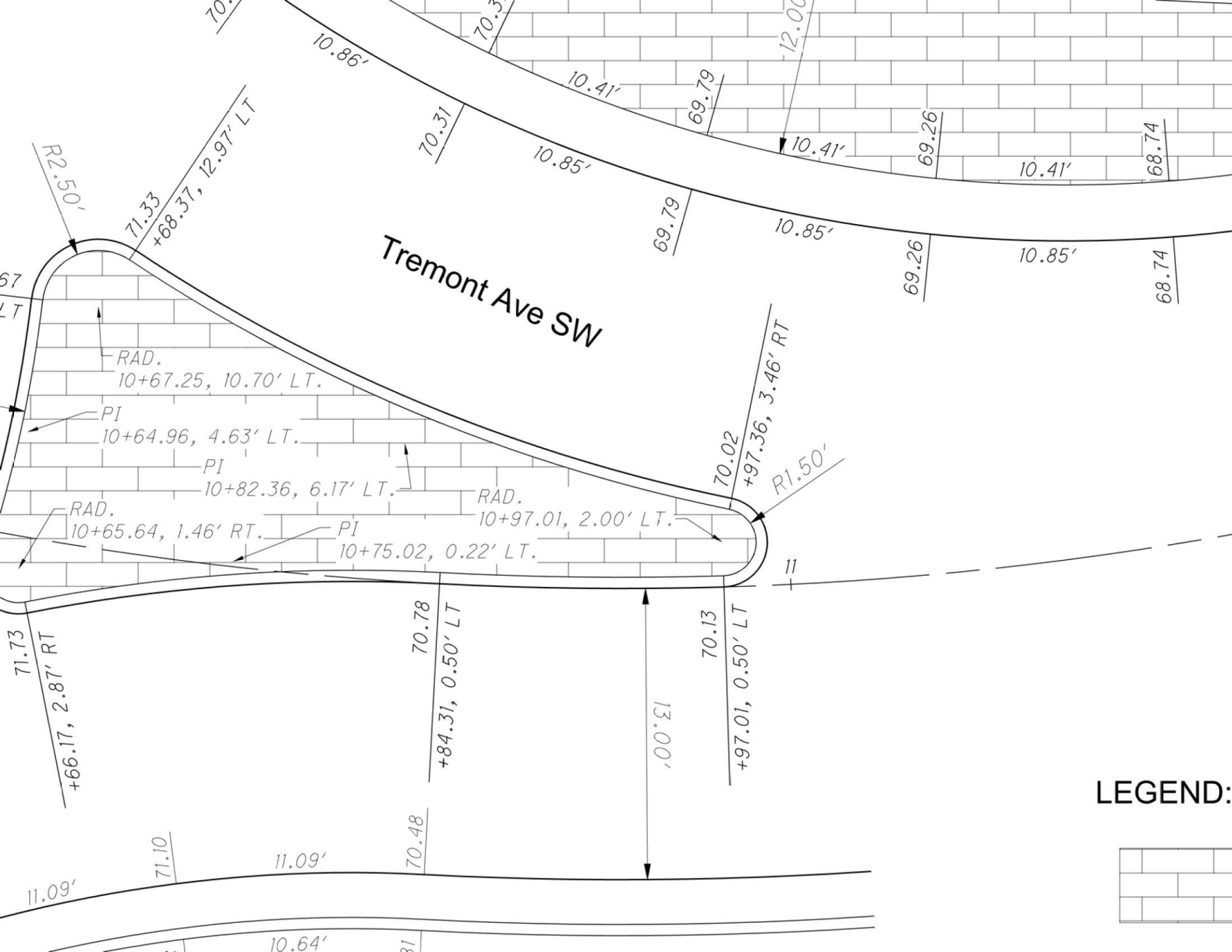
STA. 29+43.83 Tremont Ave SW
 STA. 41+00 22nd St SW

STA Main/Tremont RAB

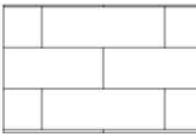
Main Ave W – 2nd St NW – Intersection Detail
 City of Massillon
 Stark County, Ohio

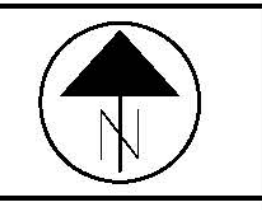
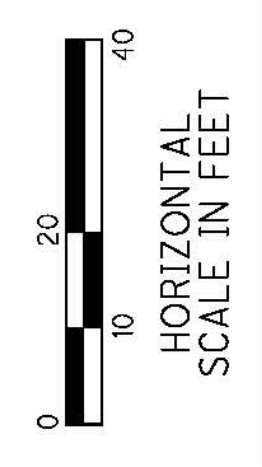


LOGG:	DESIGNER:
LOGG:	FPW
LOGG:	REVIEWER / DATE:
LOGG:	AP 7/2025
LOGG:	PROJECT ID:
LOGG:	005108/120493
LOGG:	SHT NO. TOTAL:
LOGG:	32 49



LEGEND:





STA Main/Tremont RAB
 Main Ave W - Plan and Profile Sta. 24+00 to Sta. 28+00
 City of Massillon
 Stark County, Ohio

LOGO:

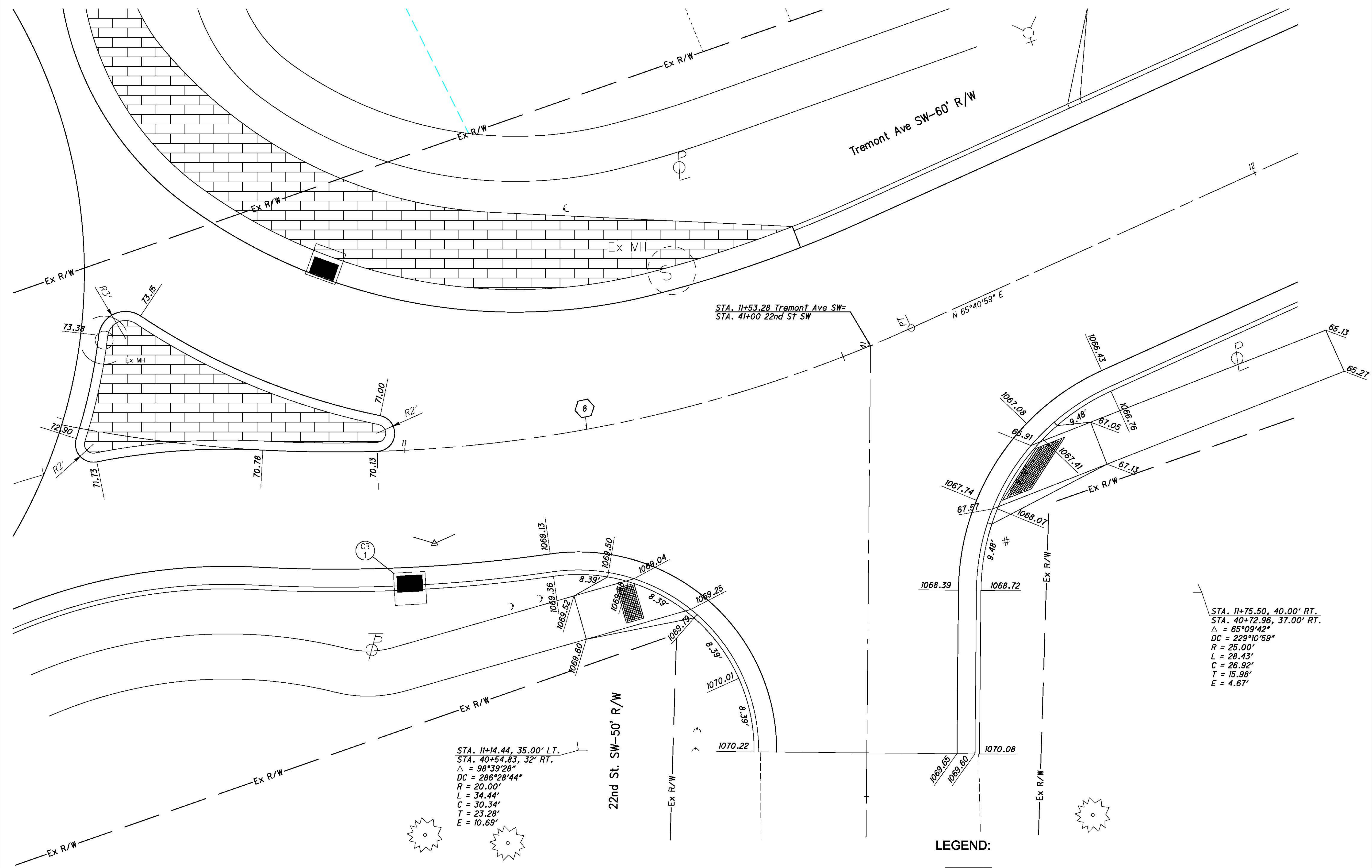


DESIGNER
 FPW

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 AP 7/2025

PROJECT ID
 22sT08 / 120493

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 34 49

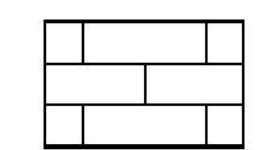


STA. 11+53.28 Tremont Ave SW=
 STA. 41+00 22nd St SW

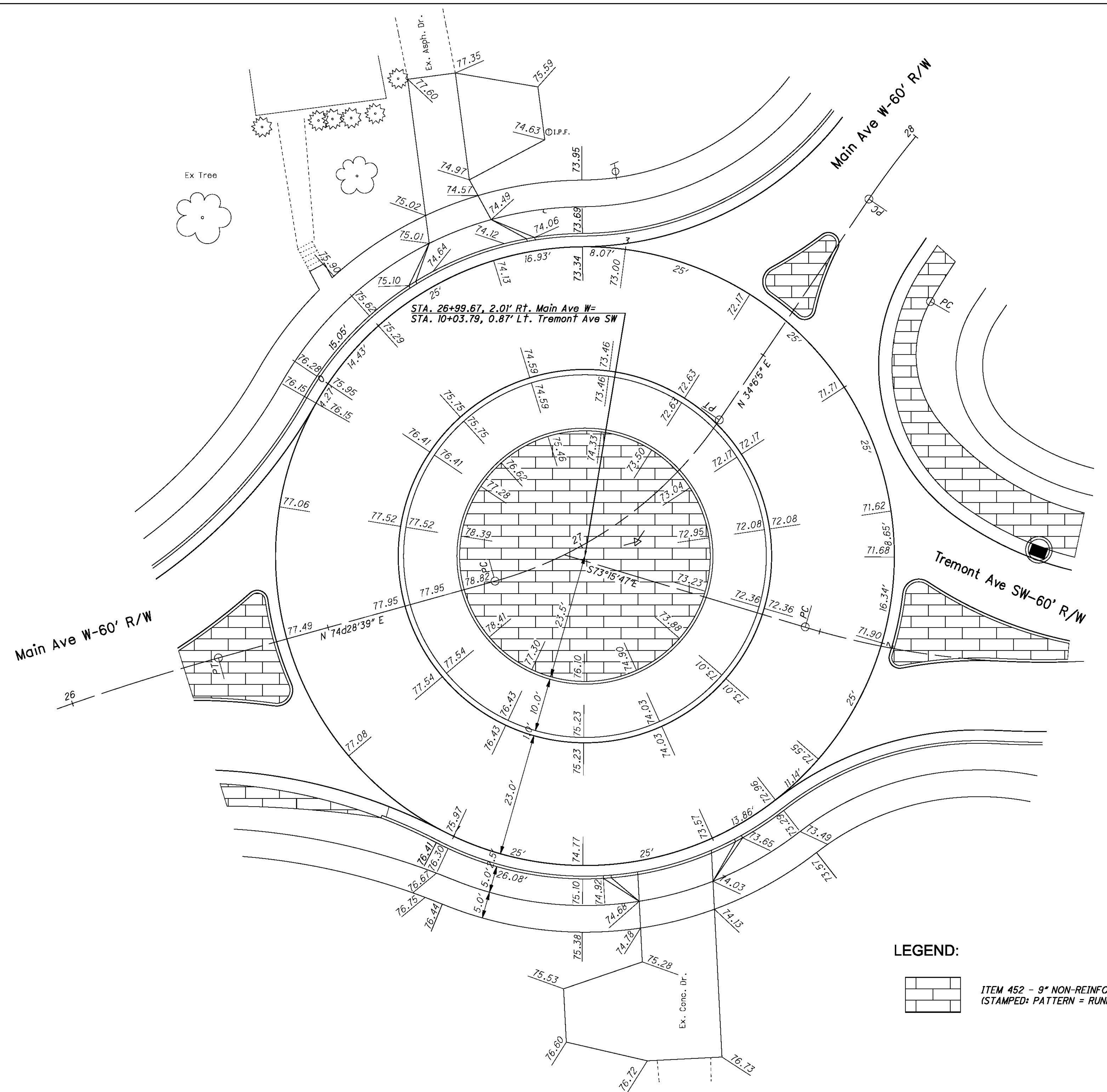
STA. 11+75.50, 40.00' RT.
 STA. 40+72.96, 37.00' RT.
 $\Delta = 65^{\circ}09'42''$
 $DC = 229^{\circ}10'59''$
 $R = 25.00'$
 $L = 28.43'$
 $C = 26.92'$
 $T = 15.98'$
 $E = 4.67'$

STA. 11+14.44, 35.00' LT.
 STA. 40+54.83, 32' RT.
 $\Delta = 98^{\circ}39'28''$
 $DC = 286^{\circ}28'44''$
 $R = 20.00'$
 $L = 34.44'$
 $C = 30.34'$
 $T = 23.28'$
 $E = 10.69'$

LEGEND:

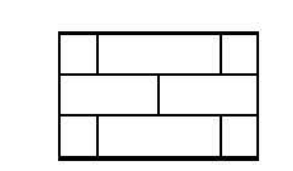


ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS GCMS (DECORATIVE), (TRUCK APRON)
 (STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)

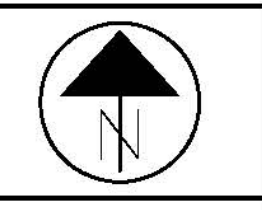
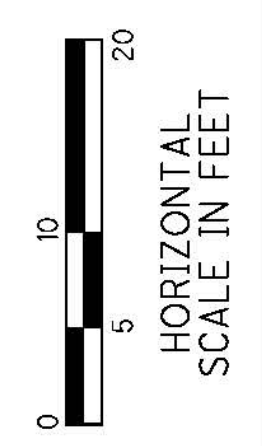


STA. 26+99.67, 2.01' Rt. Main Ave W=
 STA. 10+03.79, 0.87' Lt. Tremont Ave SW

LEGEND:



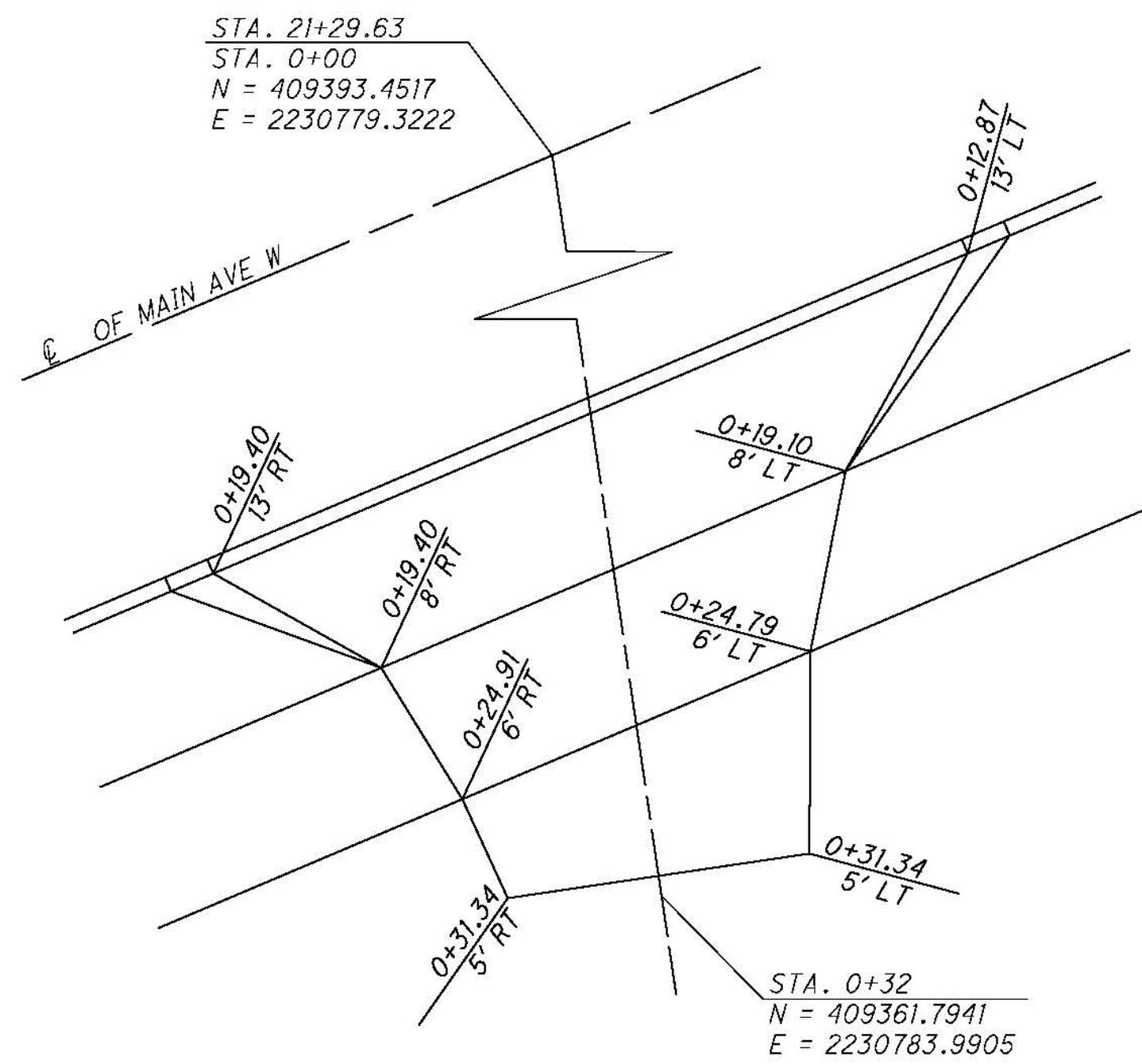
ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS QCMS (DECORATIVE), (TRUCK APRON)
 (STAMPED: PATTERN = RUNNING BOND USED BRICK, COLOR = BRICK RED)



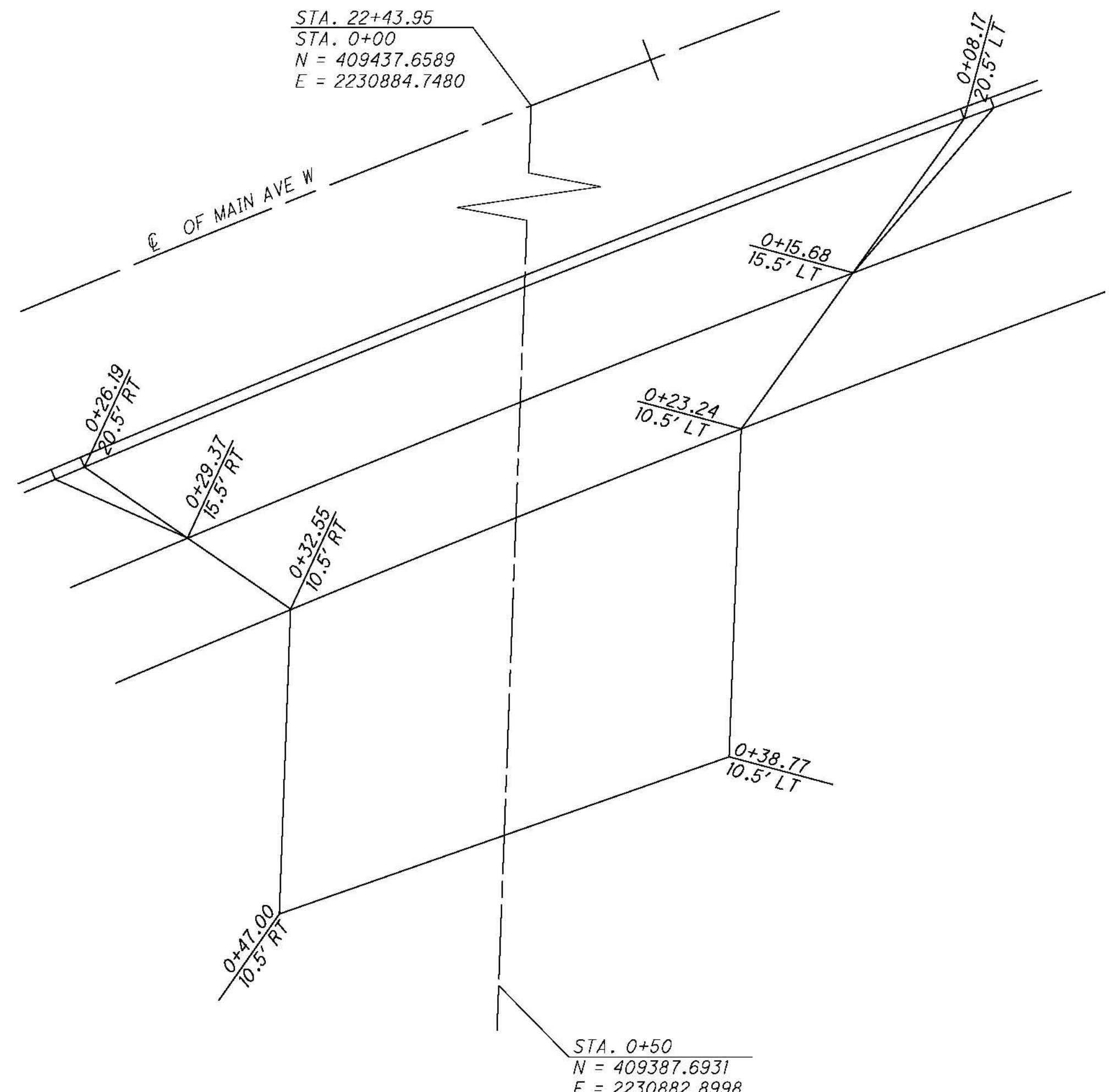
STA Main/Tremont RAB
 Roundabout Detail
 City of Massillon
 Stark County, Ohio



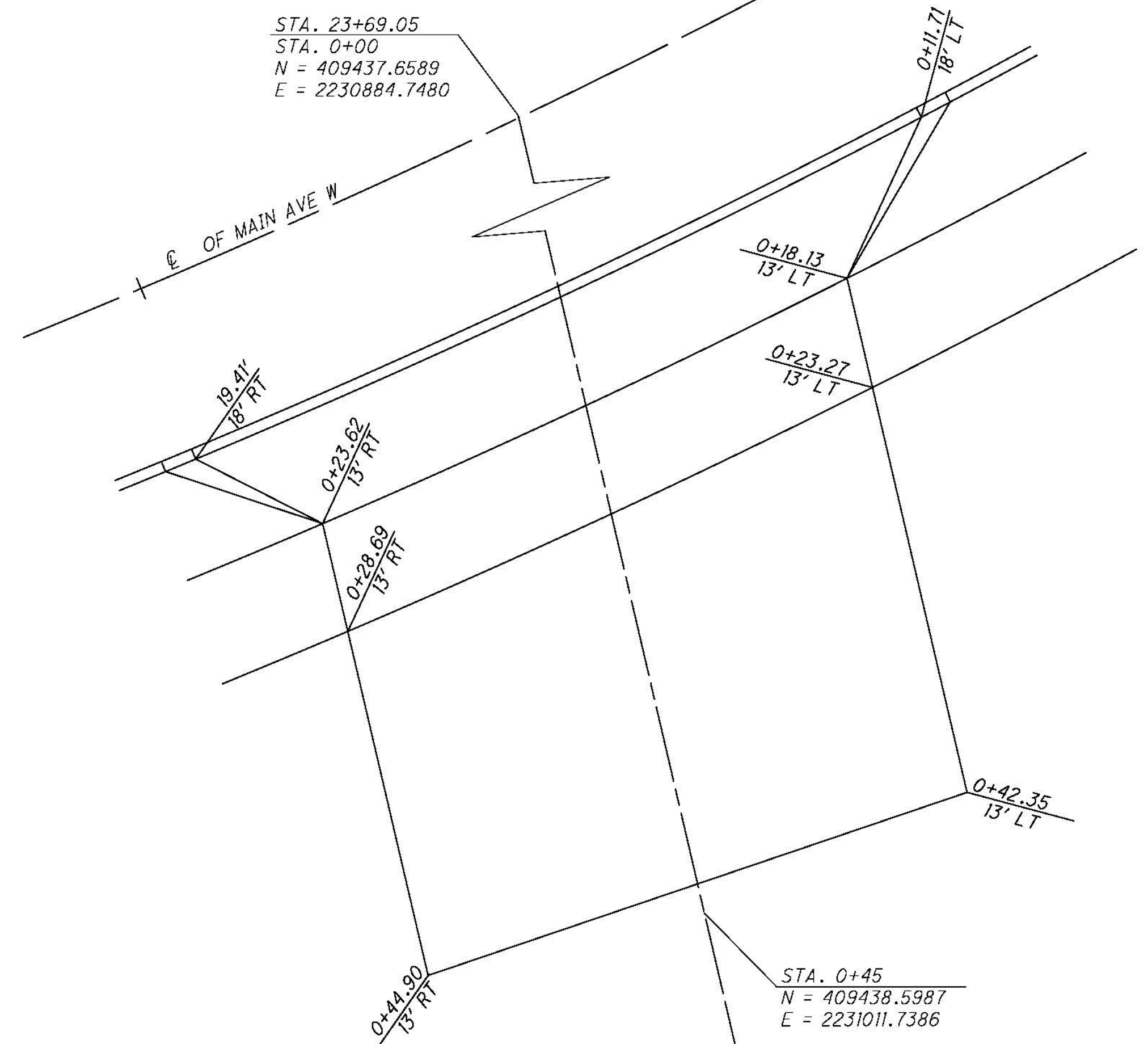
LOGO:	
DESIGNER	FPW
REVIEWER / DATE	AP 7/2025
PROJECT ID	00sT08 / 120493
SHT NO.	TOTAL
35	49



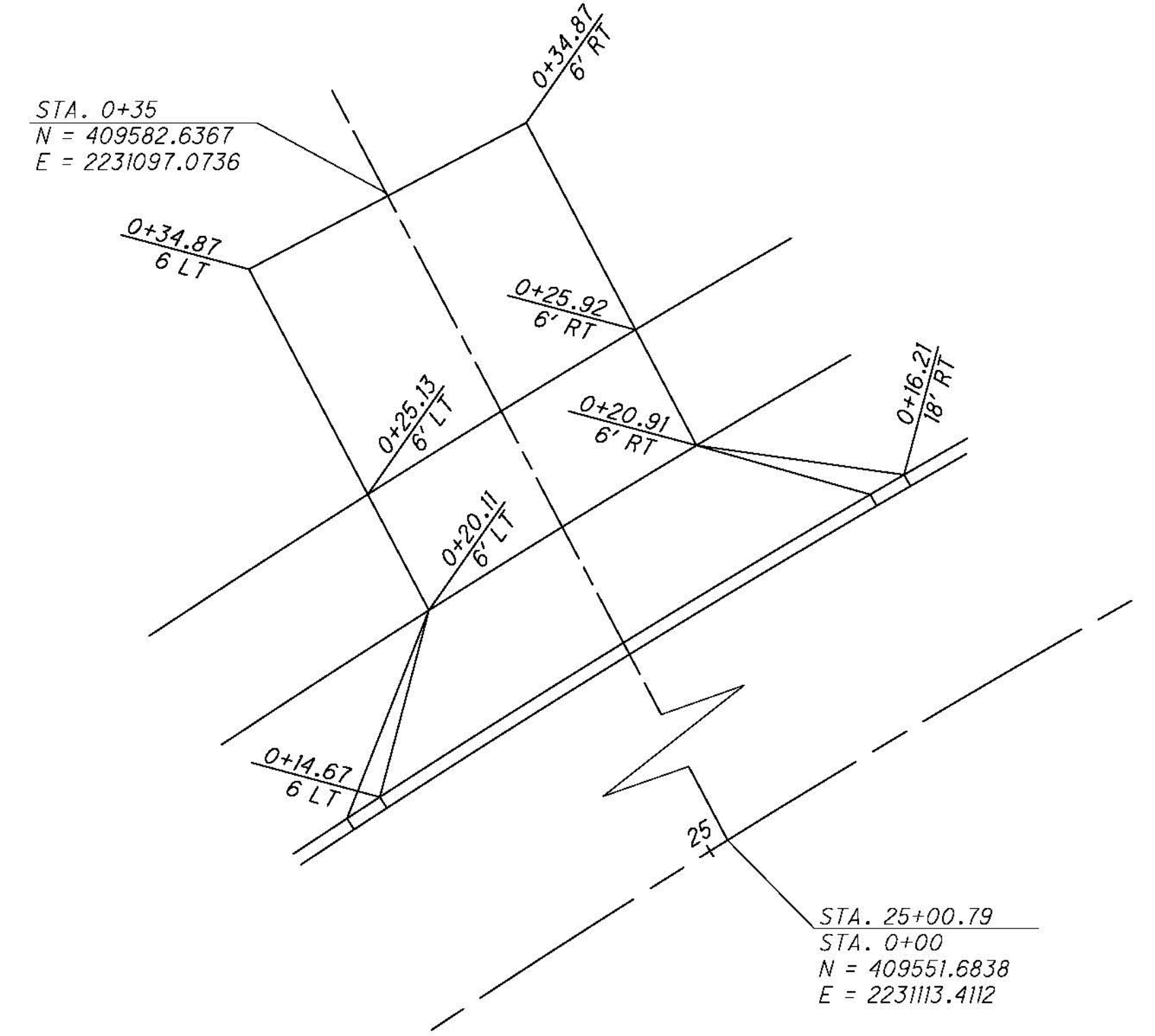
DR-1 Sta. 21+29.63 Main Ave W



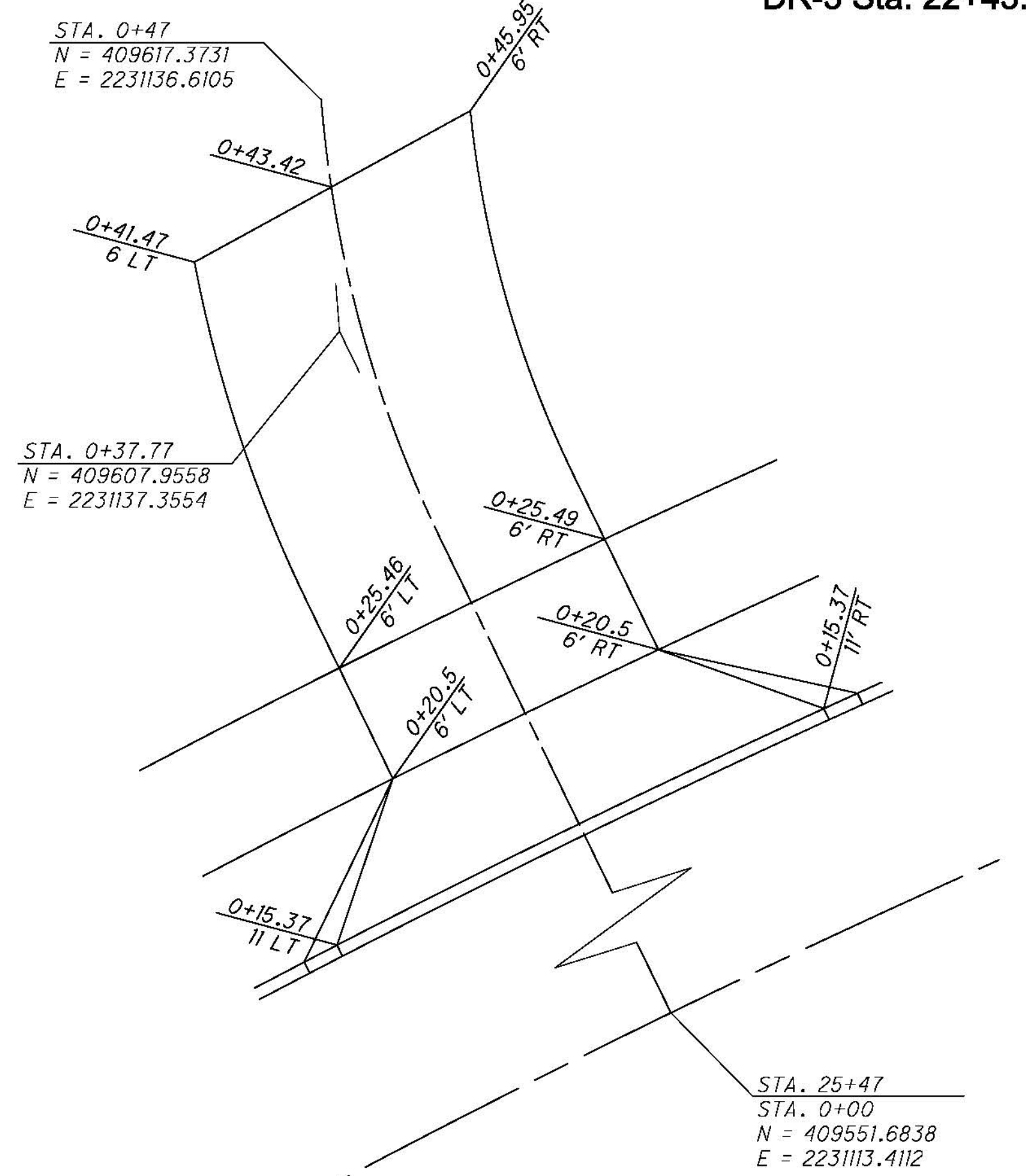
DR-2 Sta. 22+43.95 Main Ave W



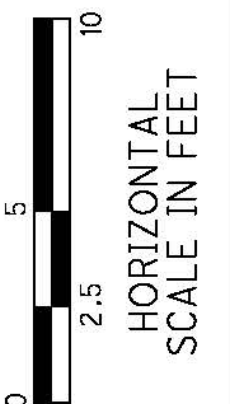
DR-3 Sta. 22+43.95 Main Ave W



DR-8 Sta. 25+00.79 Main Ave W



DR-9 Sta. 25+47 Main Ave W



STA Main/Tremont RAB
 Driveway Details
 City of Massillon
 Stark County, Ohio

COMPANY

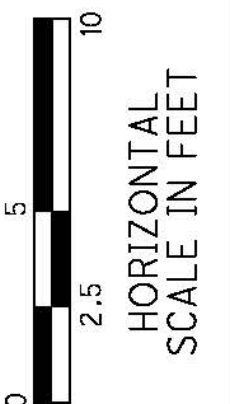


DESIGNER
FW

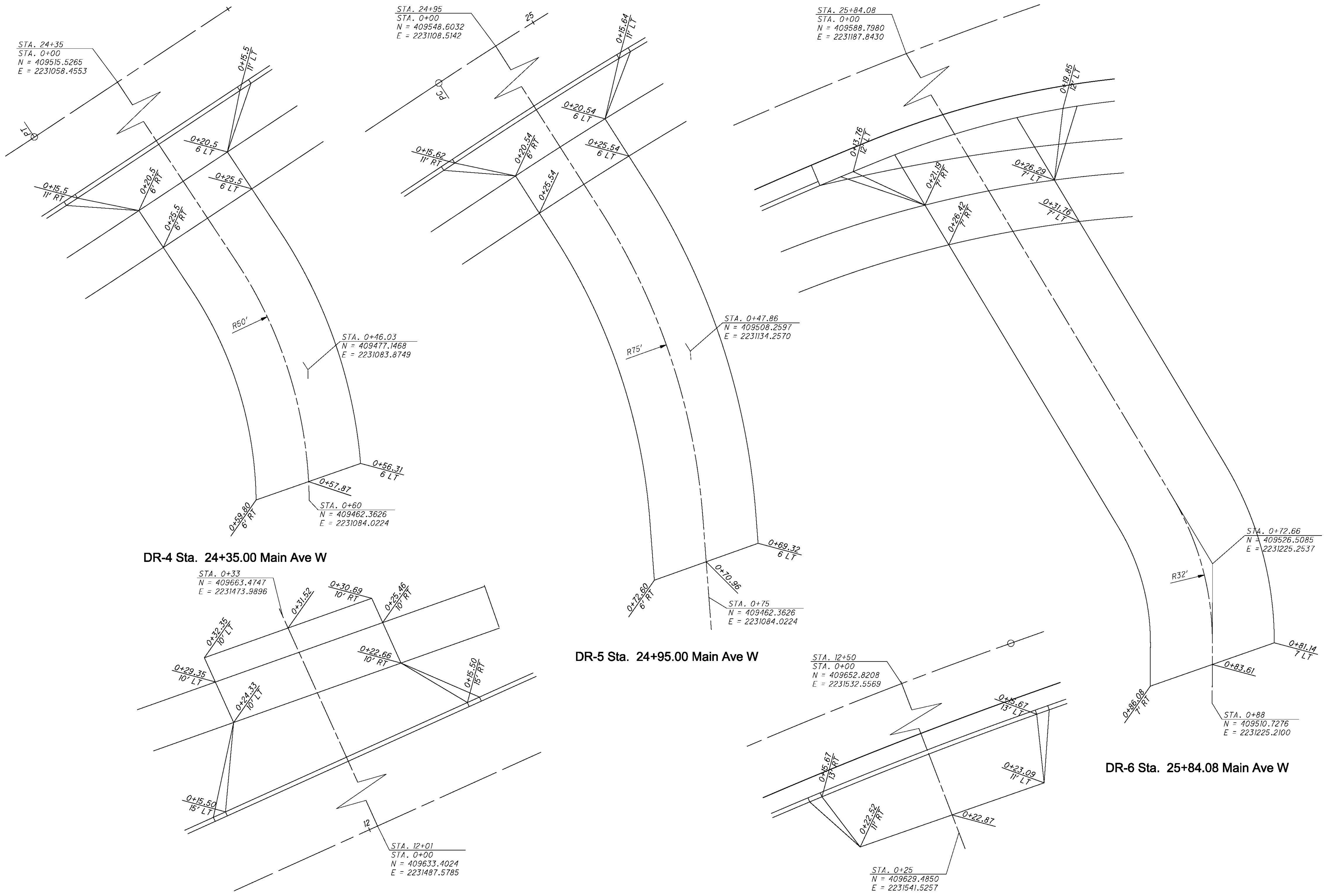
REVIEWER / DATE
AP 7/2025

PROJECT ID
00st08/120493

SHEET SHEET
36 49



STA Main/Tremont RAB
 Driveway Details
 City of Massillon
 Stark County, Ohio



DR-4 Sta. 24+35.00 Main Ave W

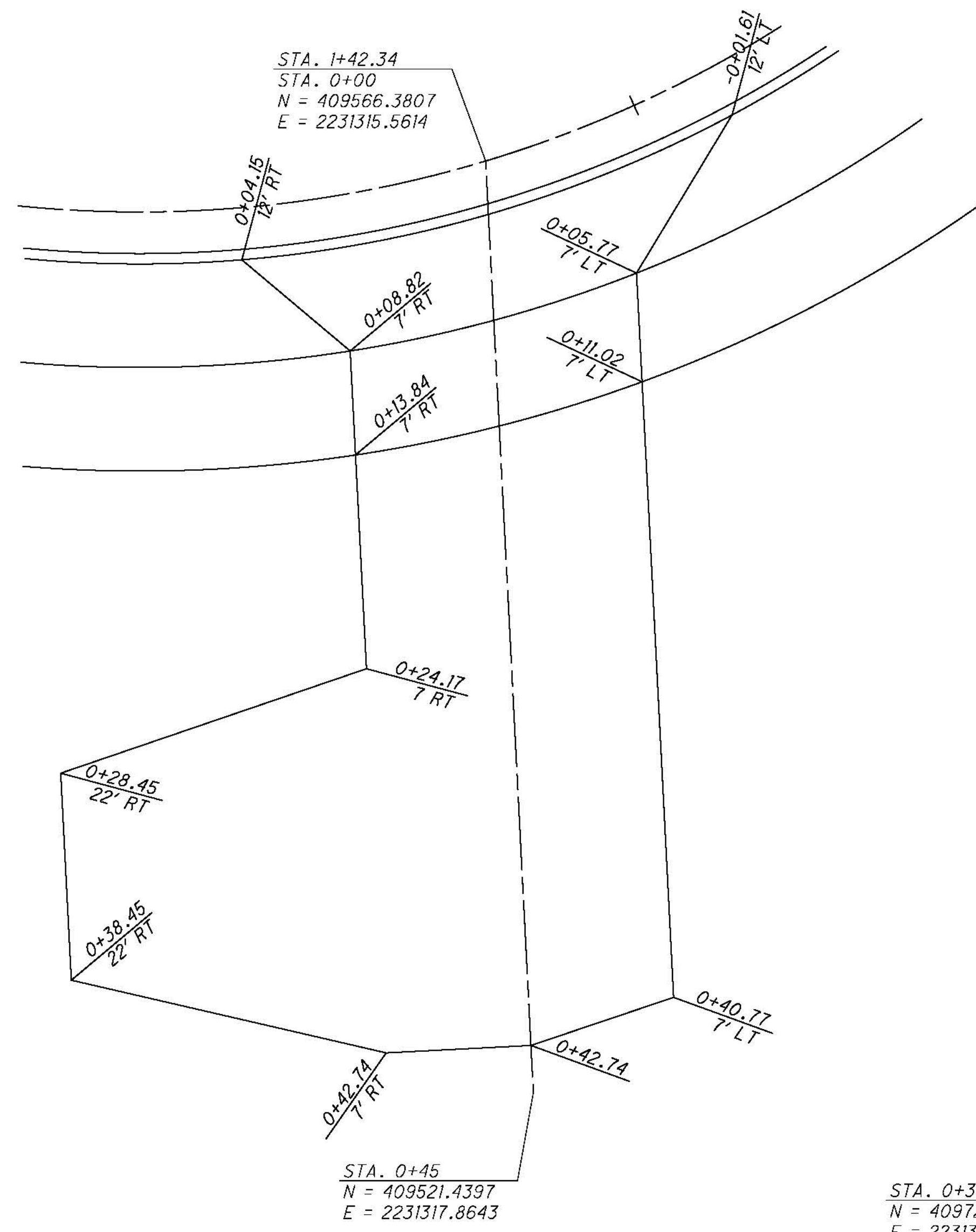
DR-5 Sta. 24+95.00 Main Ave W

DR-6 Sta. 25+84.08 Main Ave W

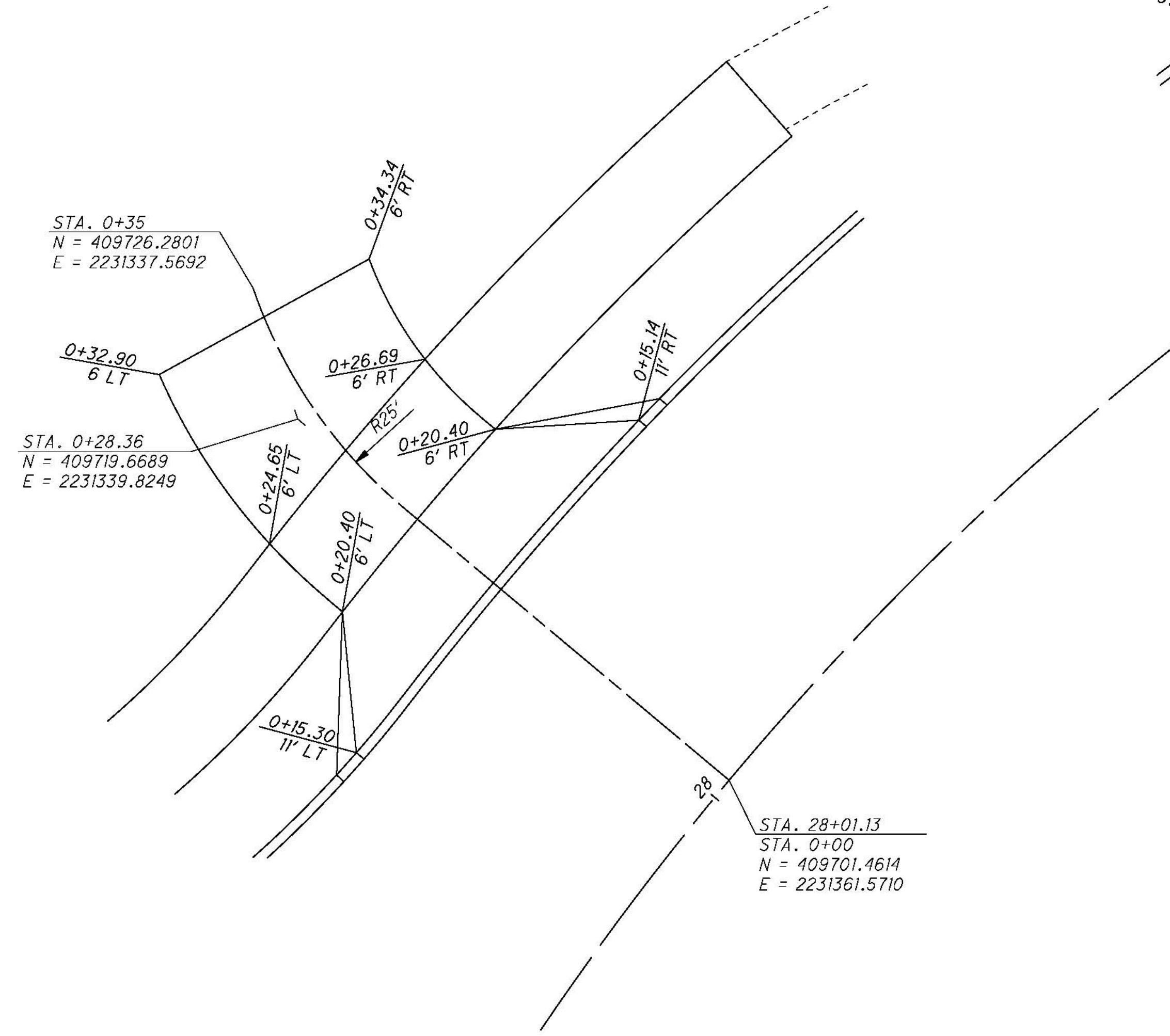
DR-12 Sta. 12+01 Tremont Ave NW

DR-13 Sta. 12+50 Tremont Ave NW

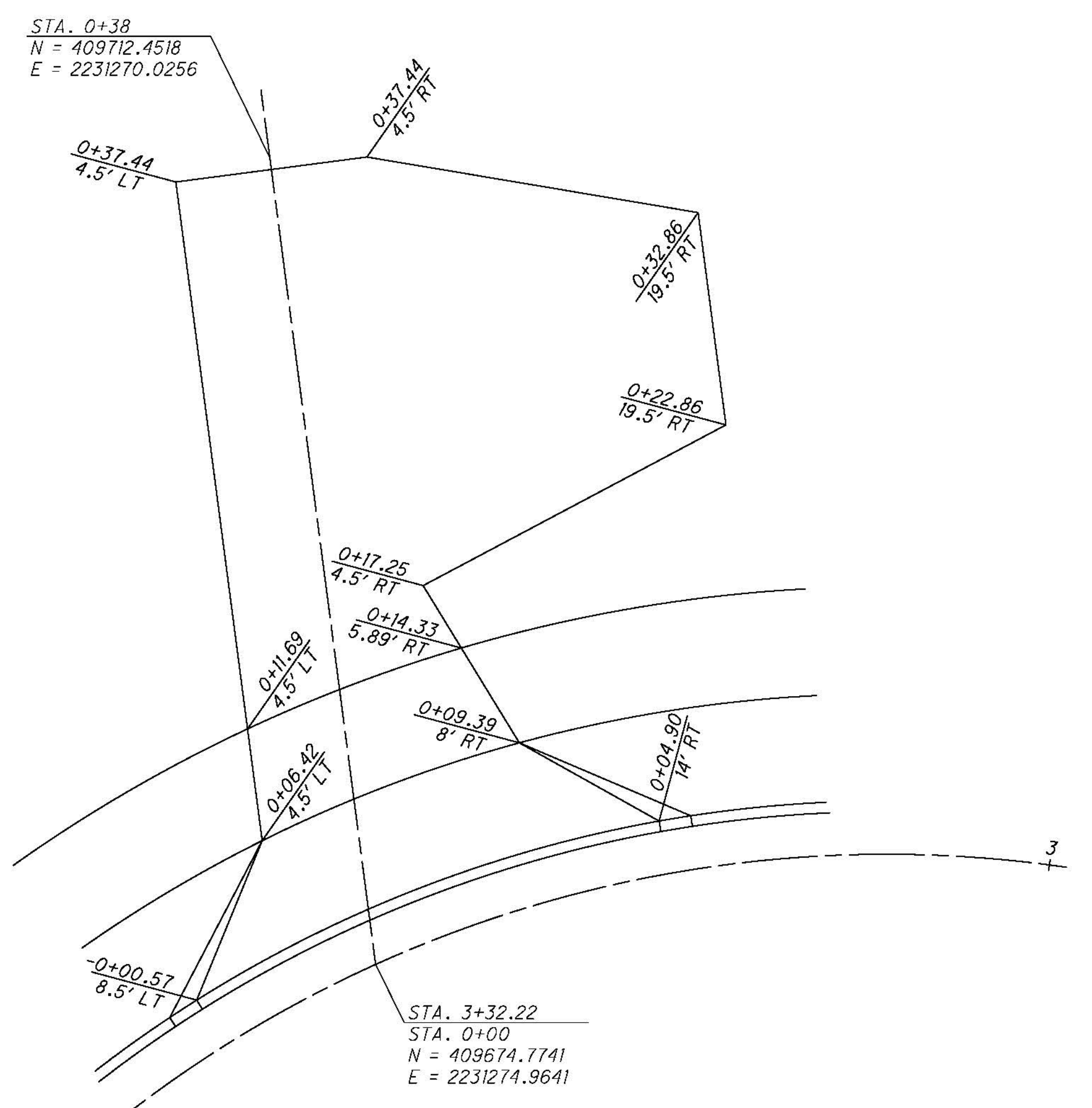
COMPANY	
DESIGNER	
FW	
REVIEWER / DATE	AP 7/2025
PROJECT ID	00s108/120493
SHEET	SHEET
37	49



DR-7 Sta. 1+42.34 Roundabout



DR-11 Sta. 28+01.13 Main Ave W



DR-10 Sta. 3+32.22 Roundabout



STA Main/Tremont RAB
 Driveway Details
 City of Massillon
 Stark County, Ohio

COMPANY

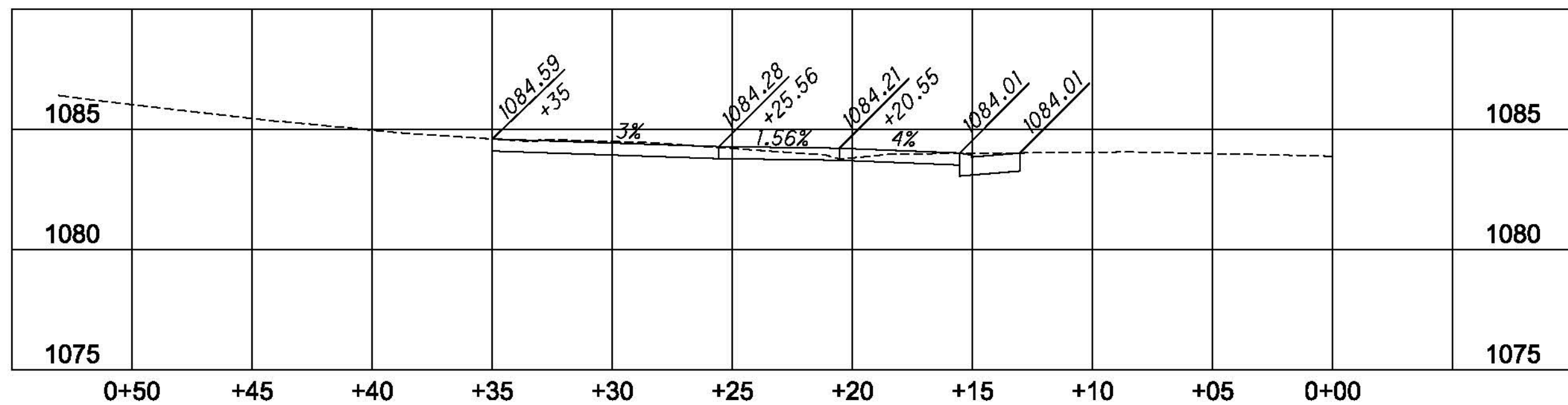


DESIGNER
FW

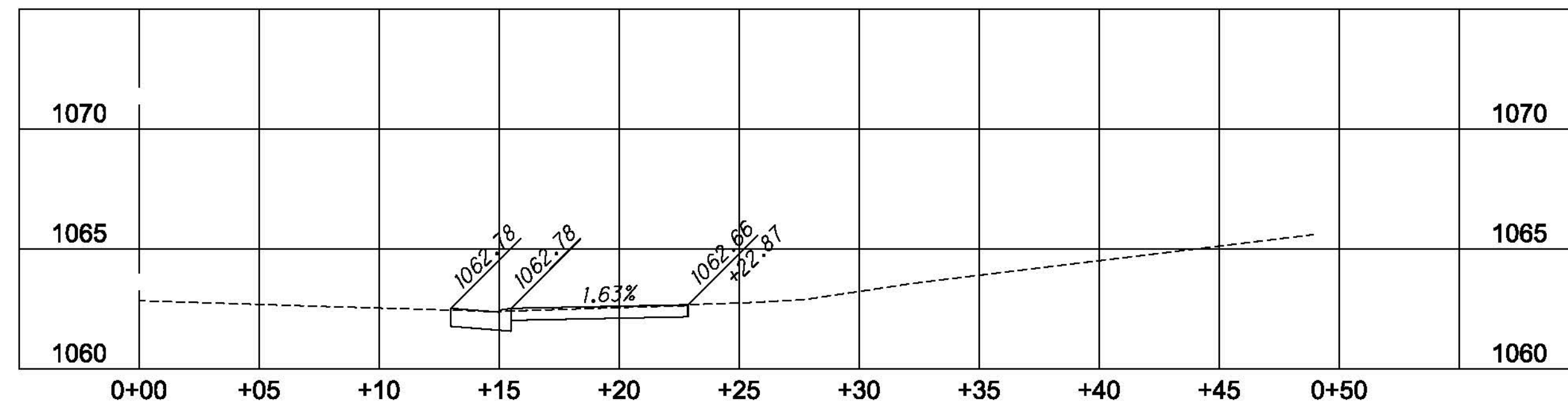
REVIEWER / DATE
AP 7/2025

PROJECT ID
00s108/120493

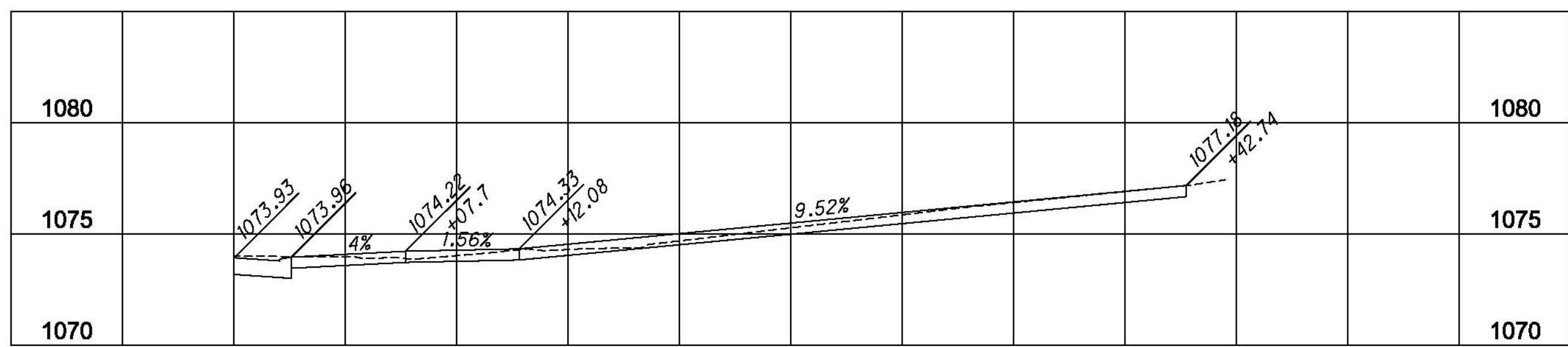
SHEET SHEET
38 49



DR-8 Sta. 25+00.79 Main Ave W



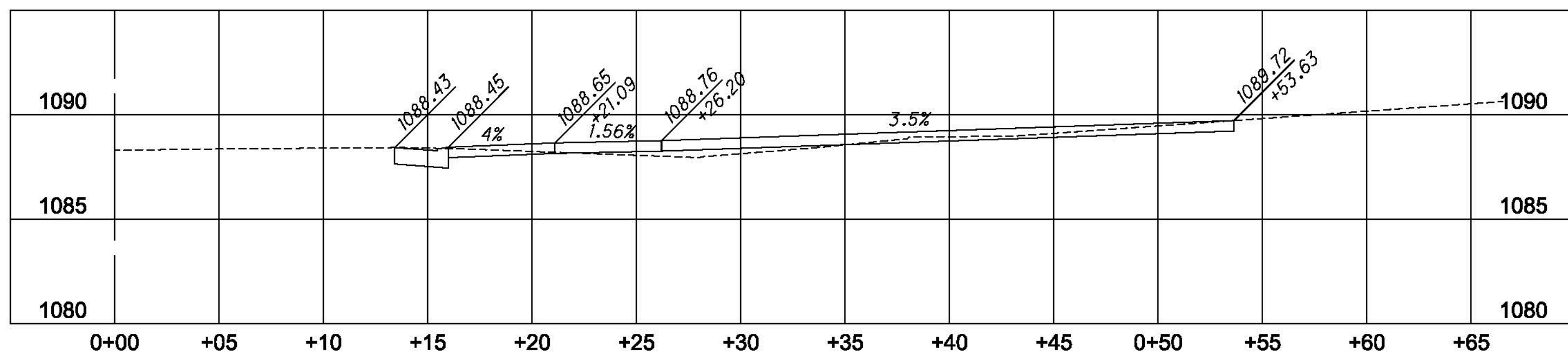
DR-13 Sta. 12+50 Tremont Ave NW



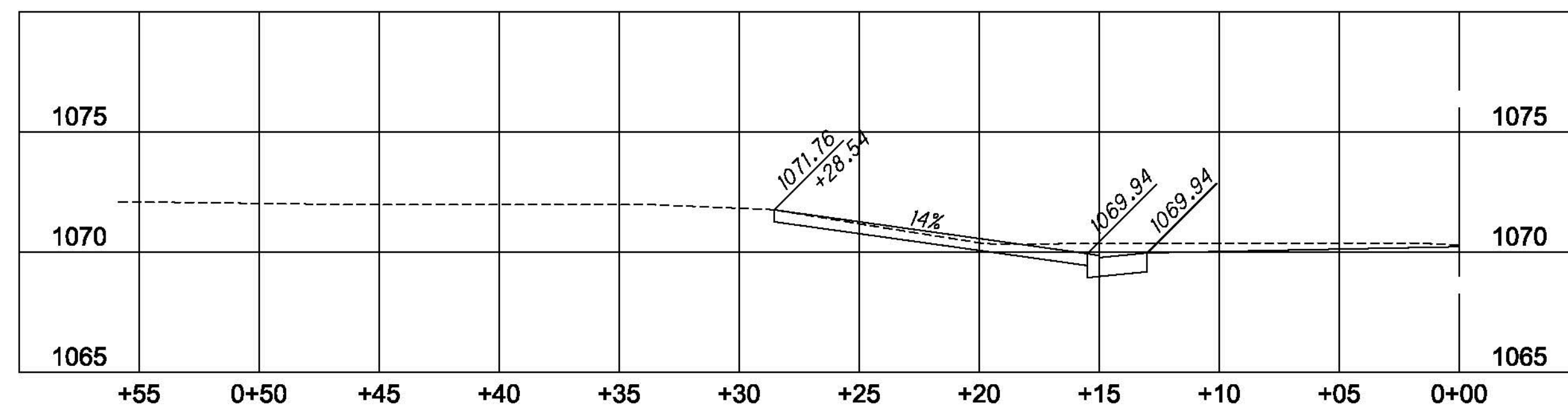
DR-7 Sta. 1+42.34 Roundabout



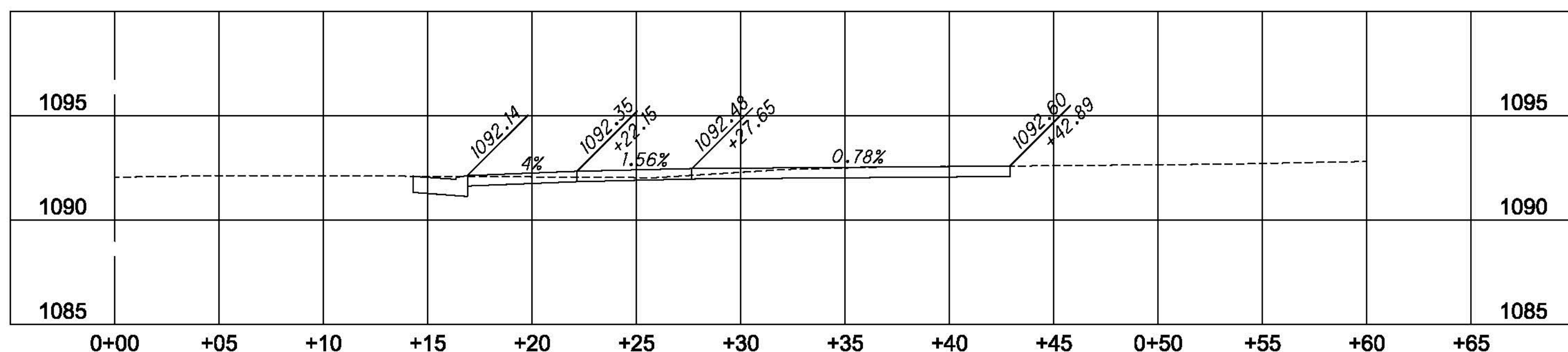
DR-12 Sta. 12+01 Tremont Ave NW



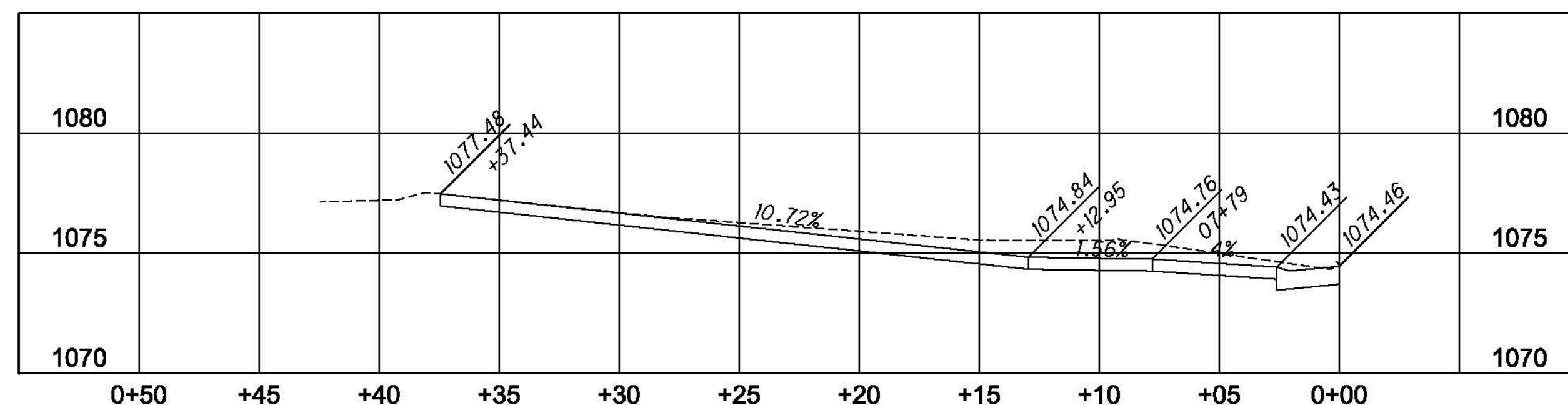
DR-3 Sta. 13+50



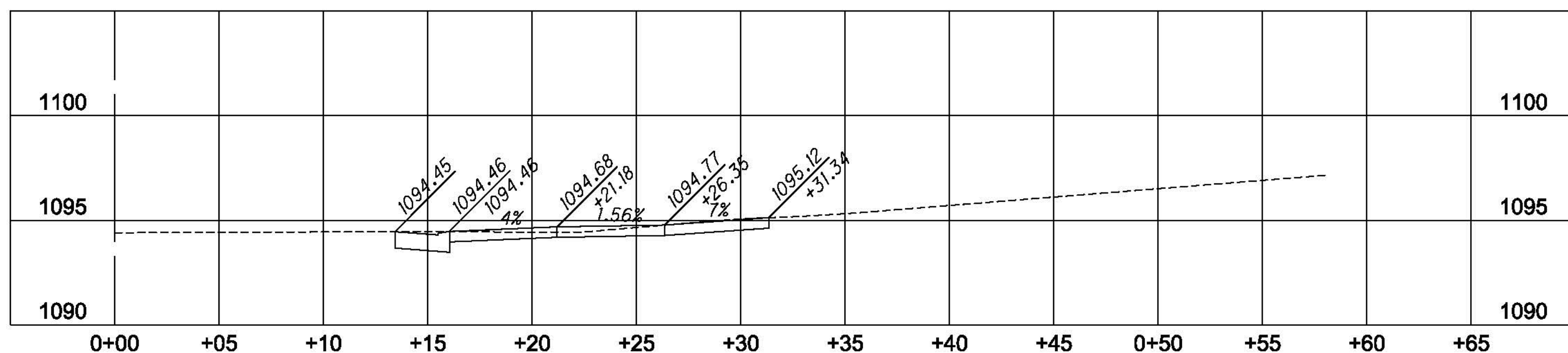
DR-11 Sta. 28+01.13 Main Ave W



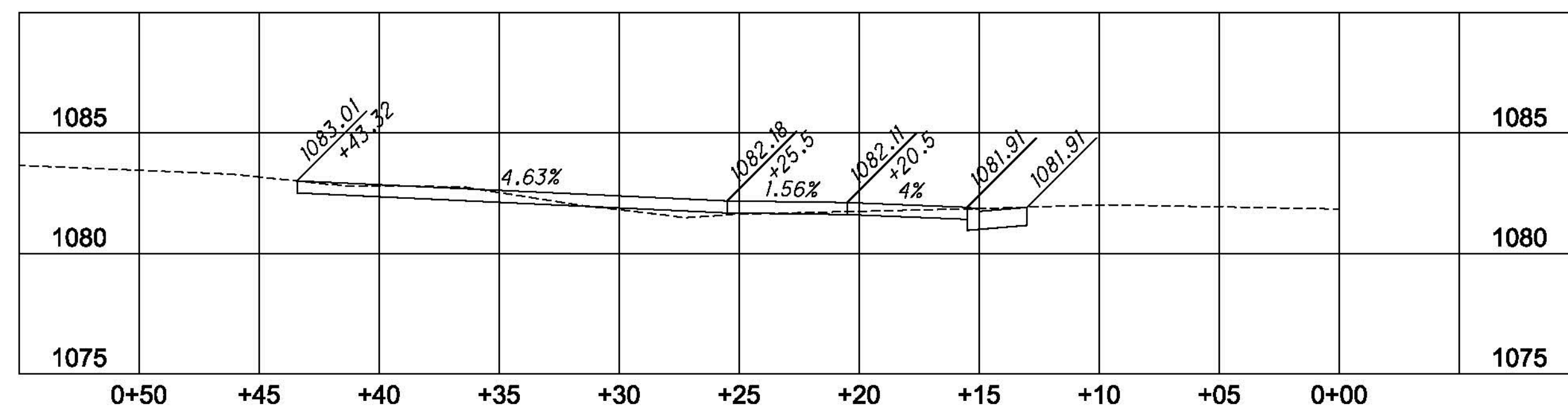
DR-2 Sta. 13+00



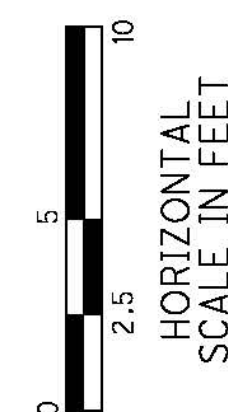
DR-10 Sta. 3+32.22 Roundabout



DR-1 Sta.



DR-9 Sta. 25+47 Main Ave W



HORIZONTAL SCALE IN FEET

STA Main/Tremont RAB

Driveway Profiles
City of Massillon
Stark County, Ohio

COMPANY



DESIGNER

FW

REVIEWER / DATE

AP 7/2025

PROJECT ID

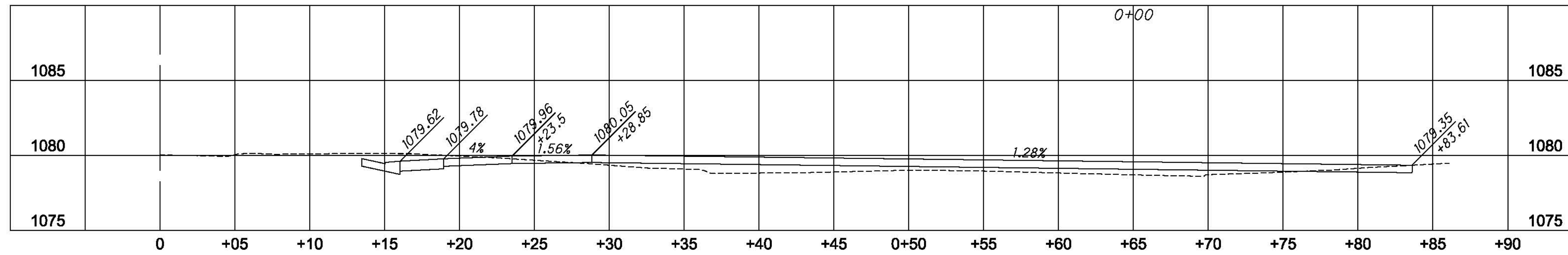
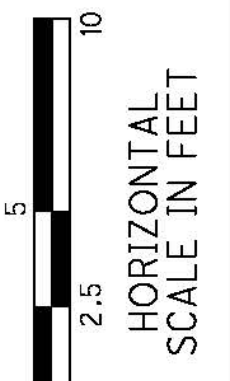
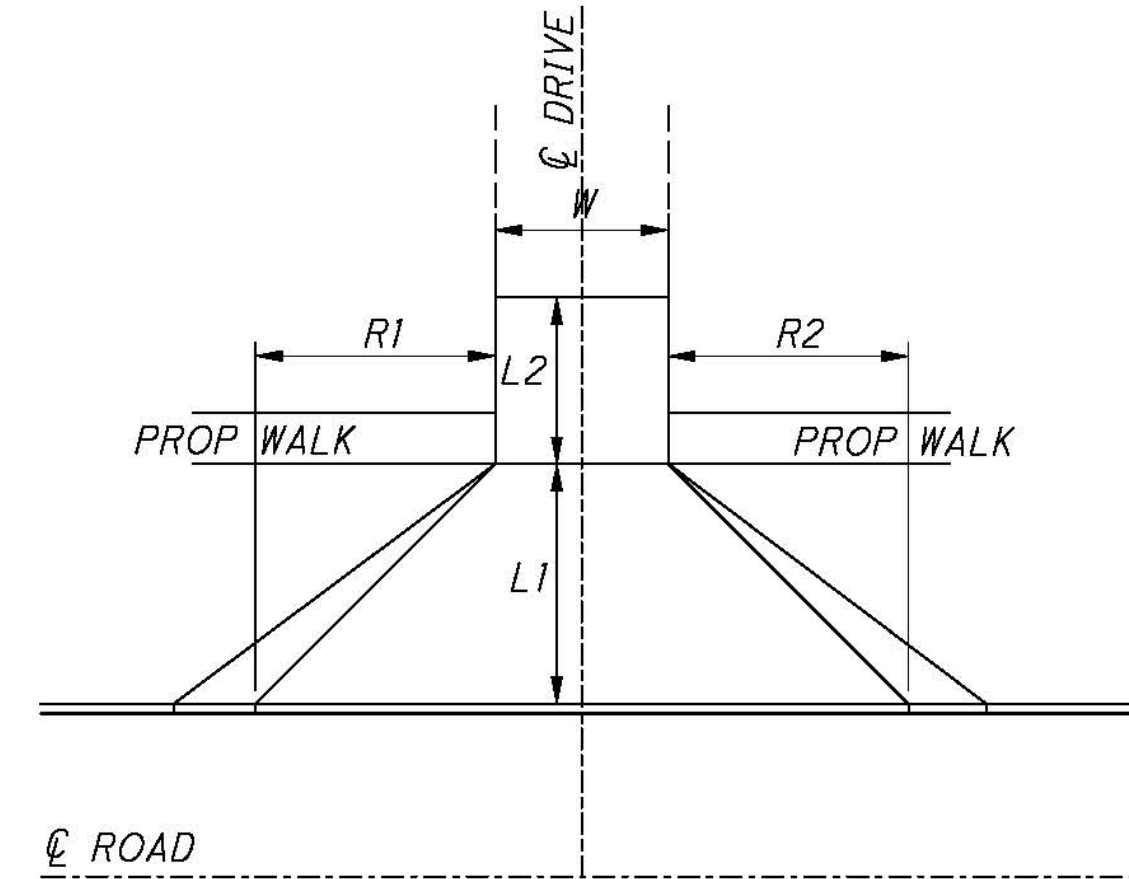
00st08/120493

SHEET

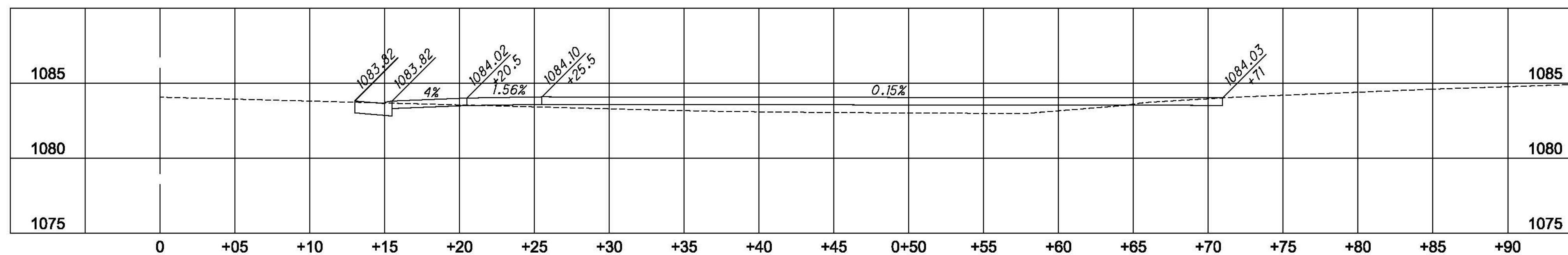
39 49

SHEET NO.	REFERENCE NO.	STATION	SIDE	DRIVE TYPE	DRIVE ANGLE	APRON LENGTH "L1"	DRIVEWAY LENGTH "L2"	WIDTH "W"	CADD GENERATED SURFACE AREA	452
					DEG.	FT.	FT.	FT.		SQ. FT.
14	DR-1	21+29.63	RT.	1	104°36'08"	5.13	10.17	10-16	243.24	27.1
14	DR-2	22+43.95	RT.	1	113°19'50"	5.46	20.52	21	661.87	73.6
14	DR-3	23+69.03	RT	1	102°31'47"	5.11	22.54	26	753.76	83.8
15	DR-4	24+35	RT	1	90°00'00"	5	37.37	12	540.96	60.1
15	DR-5	24+95	RT	1	90°00'00"	5	50.46	12	697.29	77.5
15	DR-6	25+84.08	RT	1	80°12'40"	4.57	60.10	14	926.39	103.0
15	DR-7	1+42.34	RT	1	103°48'32"	5.12	35.04	14	797.04	88.6
15	DR-8	25+00.79	LT	1	86°01'16"	5.01	14.32	12	264.61	29.4
15	DR-9	25+47	LT	1	90°00'00"	5	22.93	12	368.41	41.0
15	DR-10	3+32.22	RT	1	106°51'13"	5.19	29.66	9	605.36	67.3
15-16	DR-11	28+01.13	LT	1	90°00'00"	5.16	12.79	12	250.18	27.8
17	DR-12	12+01.00	LT	1	90°00'00"	7.99	8.03	20	372.36	41.4
17	DR-13	12+50.00	RT	1	90°00'00"	7.37		22	186.51	20.7
TOTALS CARRIED TO GENERAL SUMMARY										741.3

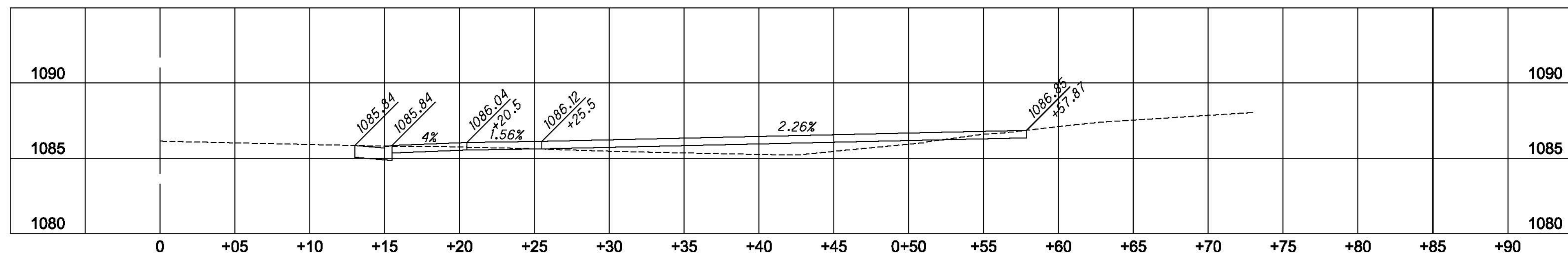
TYPE 1 DRIVEWAY PLAN VIEW (TYPICAL)



DR-6 Sta. 25+84.08 Main Ave W



DR-5 Sta. 24+95 Main Ave W



DR-4 Sta. 24+35 Main Ave W

STA Main/Tremont RAB

Driveway Profiles
City of Massillon
Stark County, Ohio

COMPANY



DESIGNER

FW

REVIEWER / DATE

AP 7/2025

PROJECT ID

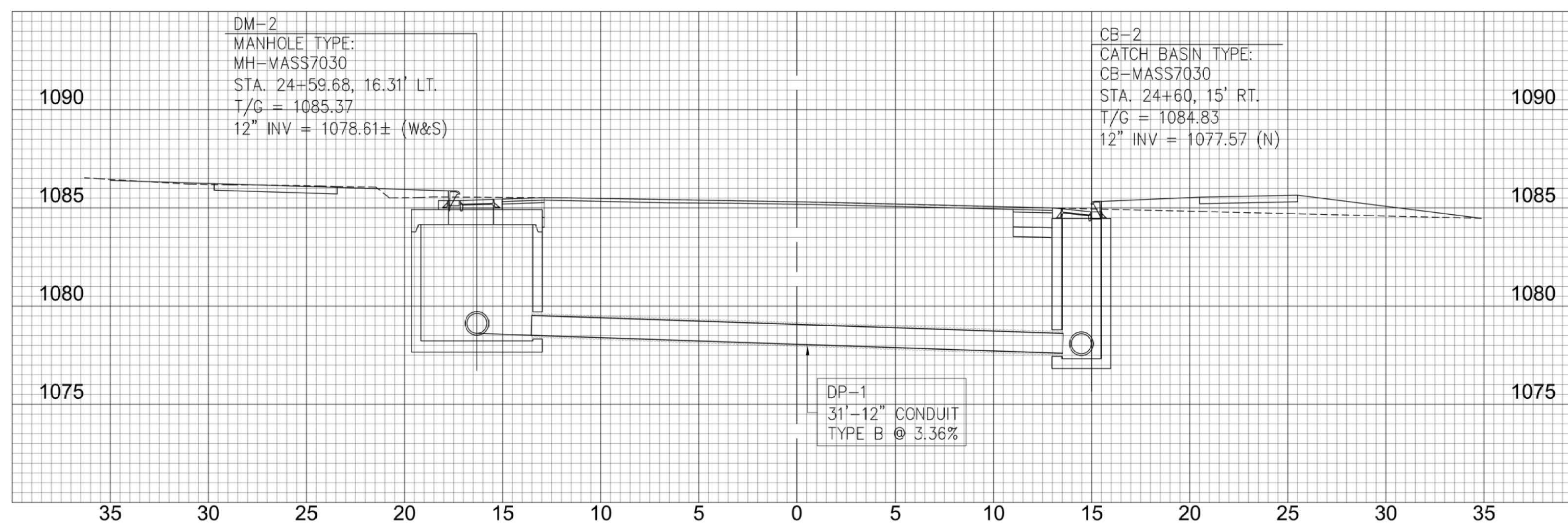
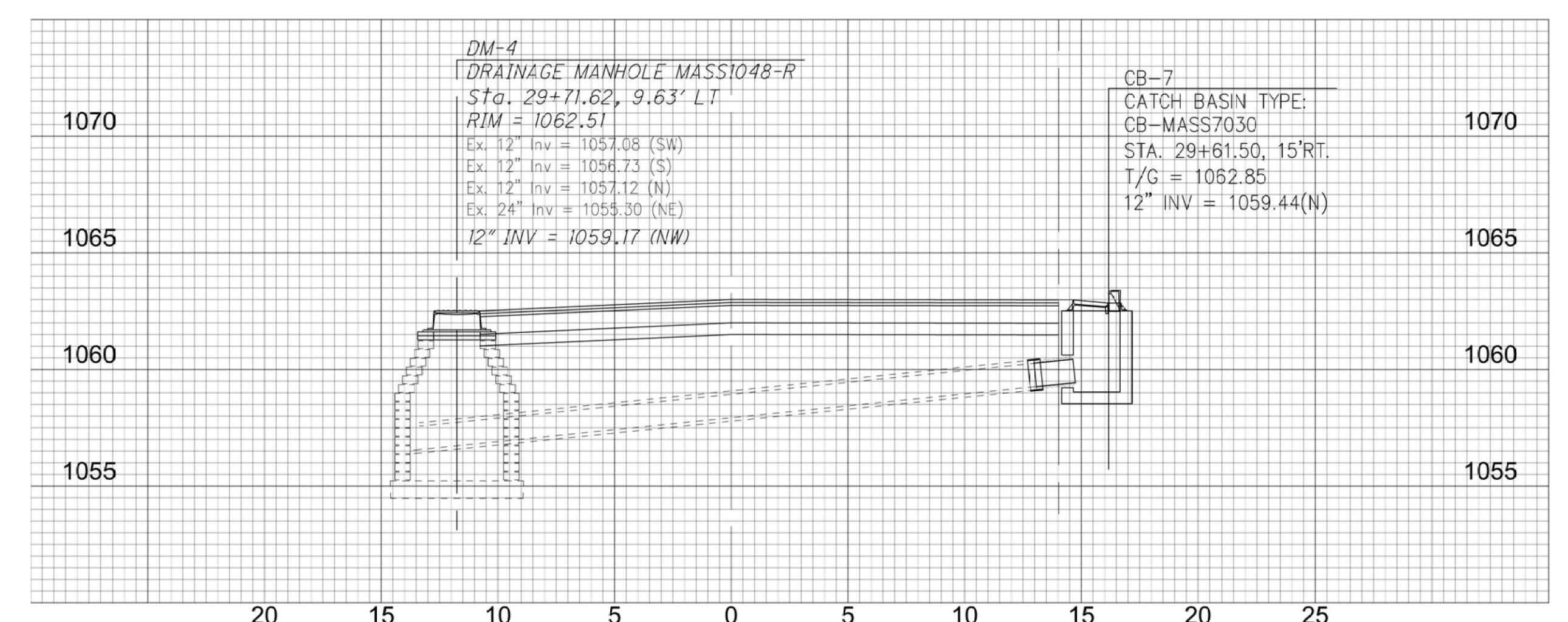
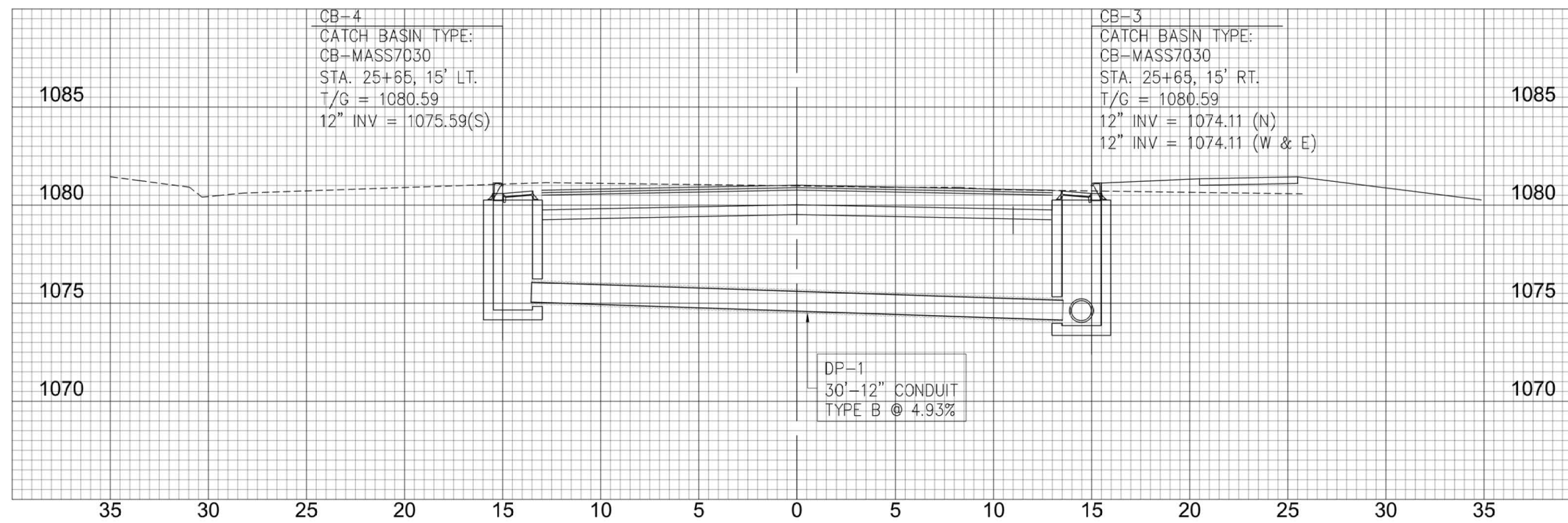
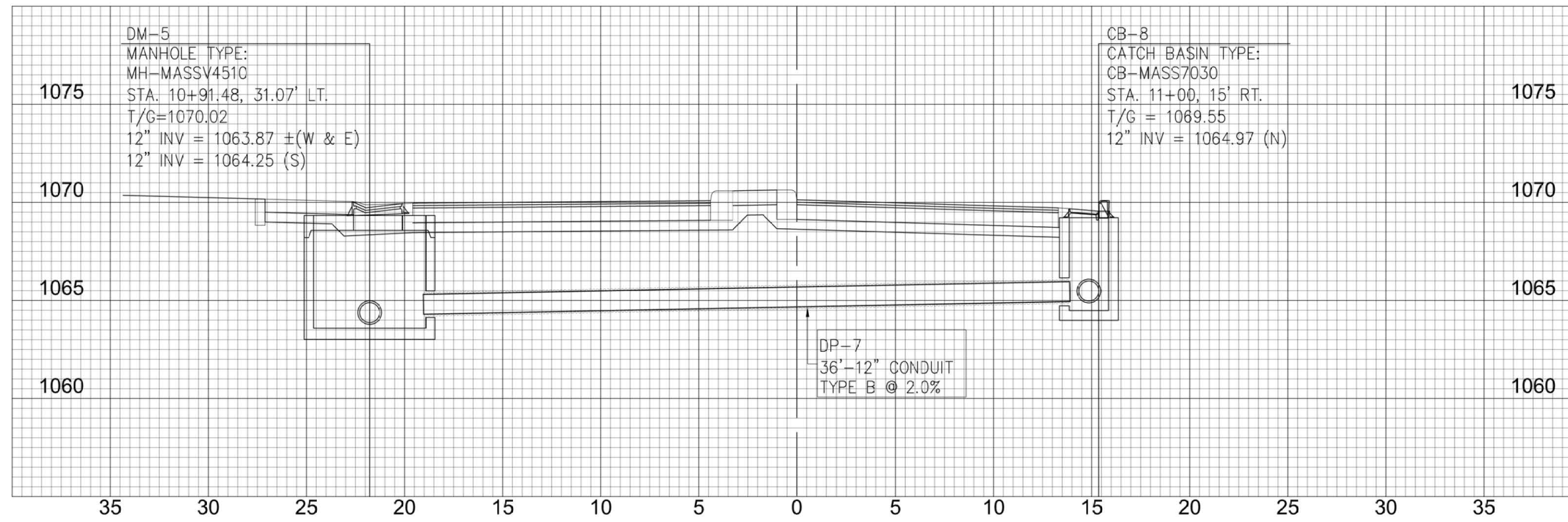
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40

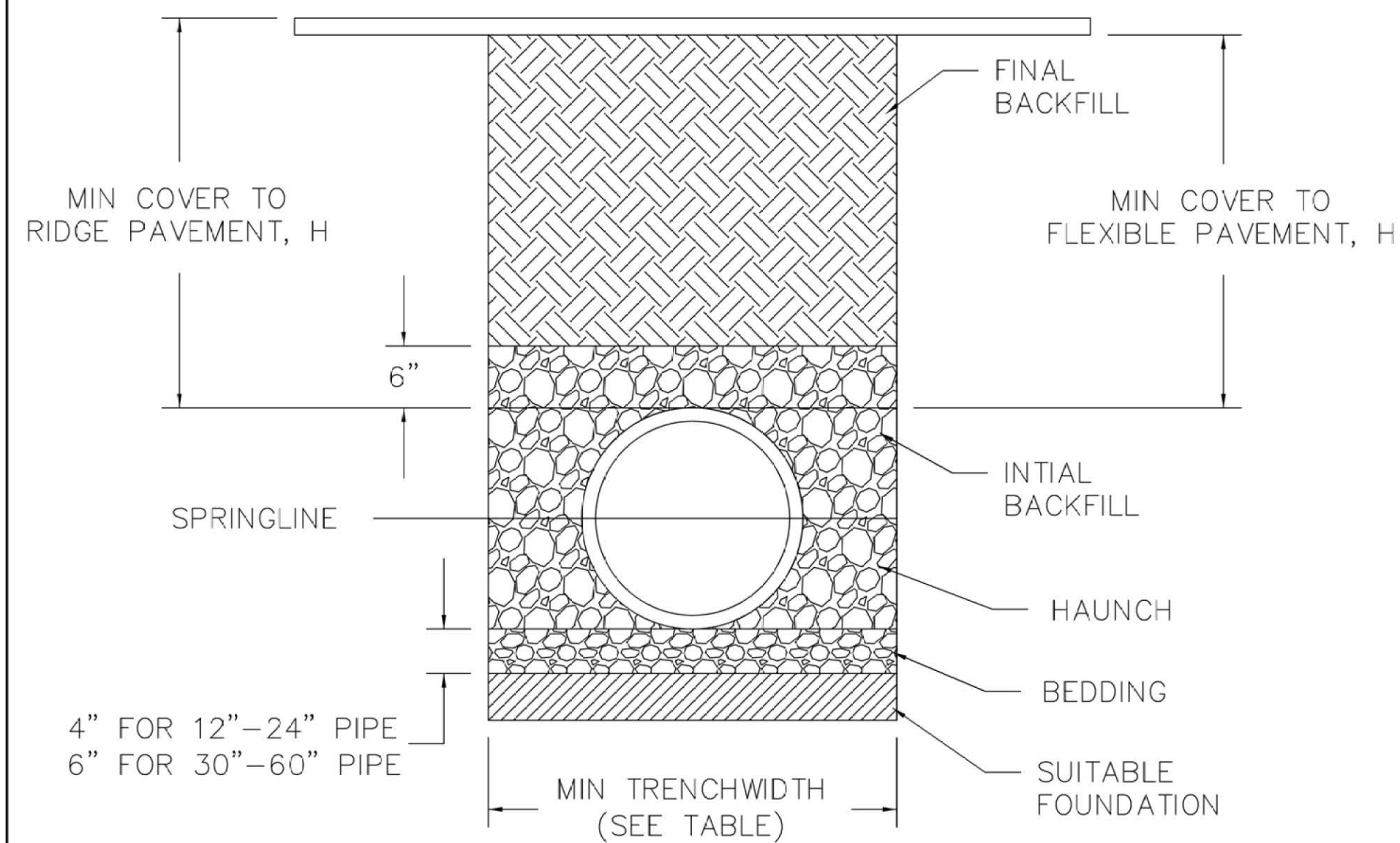
SHEET

49



STA Main/Tremont RAB
Storm Sewer Profiles
City of Massillon
Stark County, Ohio

COMPANY	
DESIGNER	
FPW	
REVIEWER / DATE	AP 10/2025
PROJECT ID	22ST08 / 120493
SHEET	SHEET
41	49



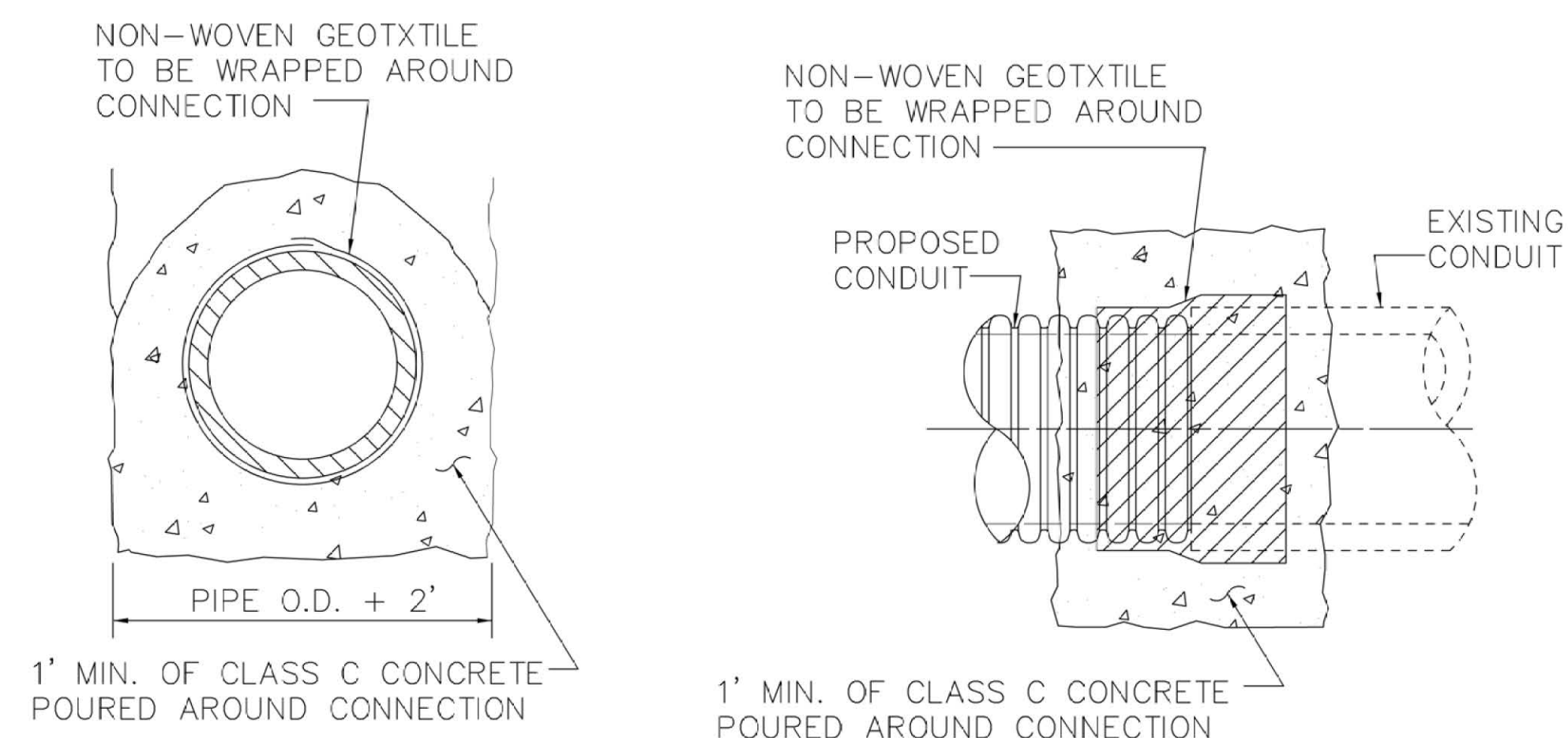
RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21'
6"	23'
8"	26'
10"	28'
12"	30'
15"	34'
18"	39'
24"	48'
30"	56'
36"	64'
42"	72'
48"	80'
54"	88'
60"	96'

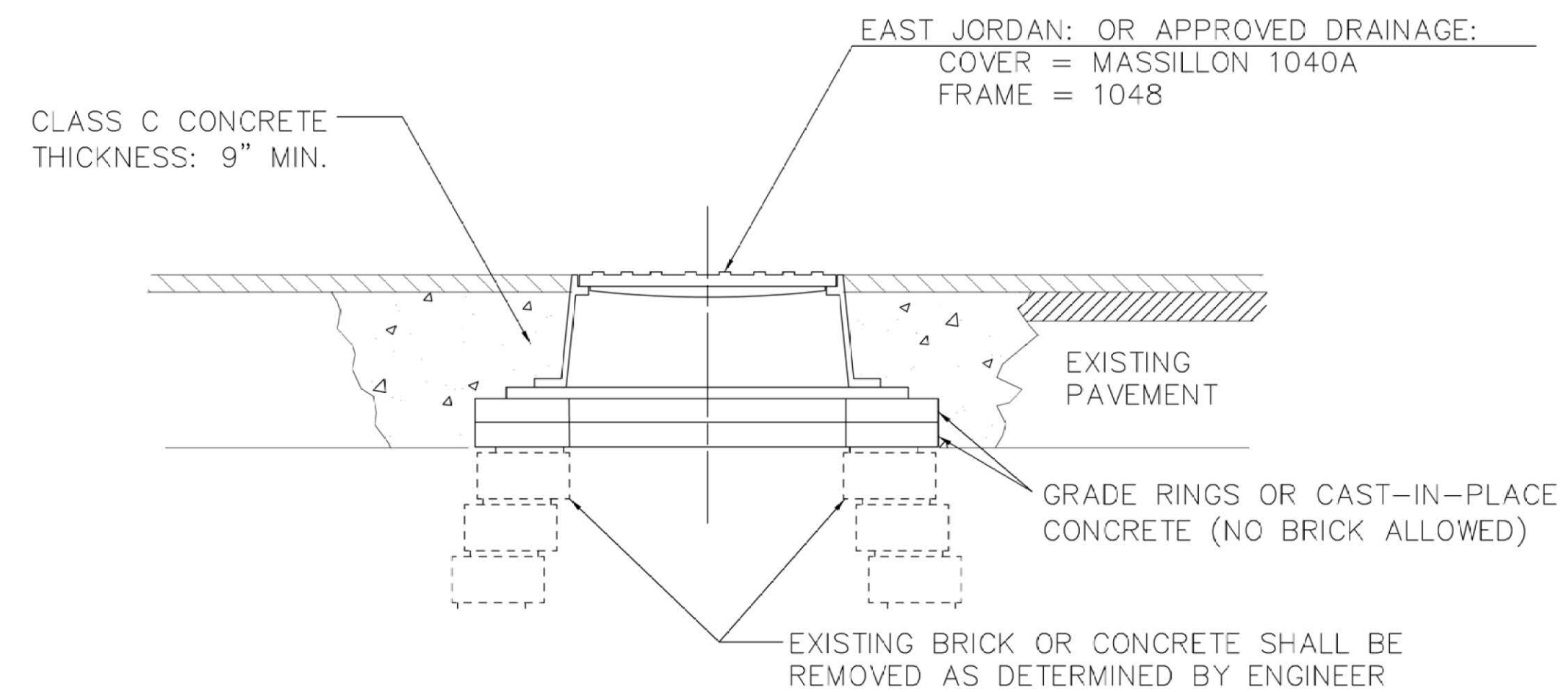
NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE APPLICATION", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, PER MANUFACTURERS AND ODOT ITEM 611 REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"-24"; 6" FOR 30"-60".
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO THE GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54" TO 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIDGE PAVEMENT.

TRENCHING DETAIL FOR PIPE



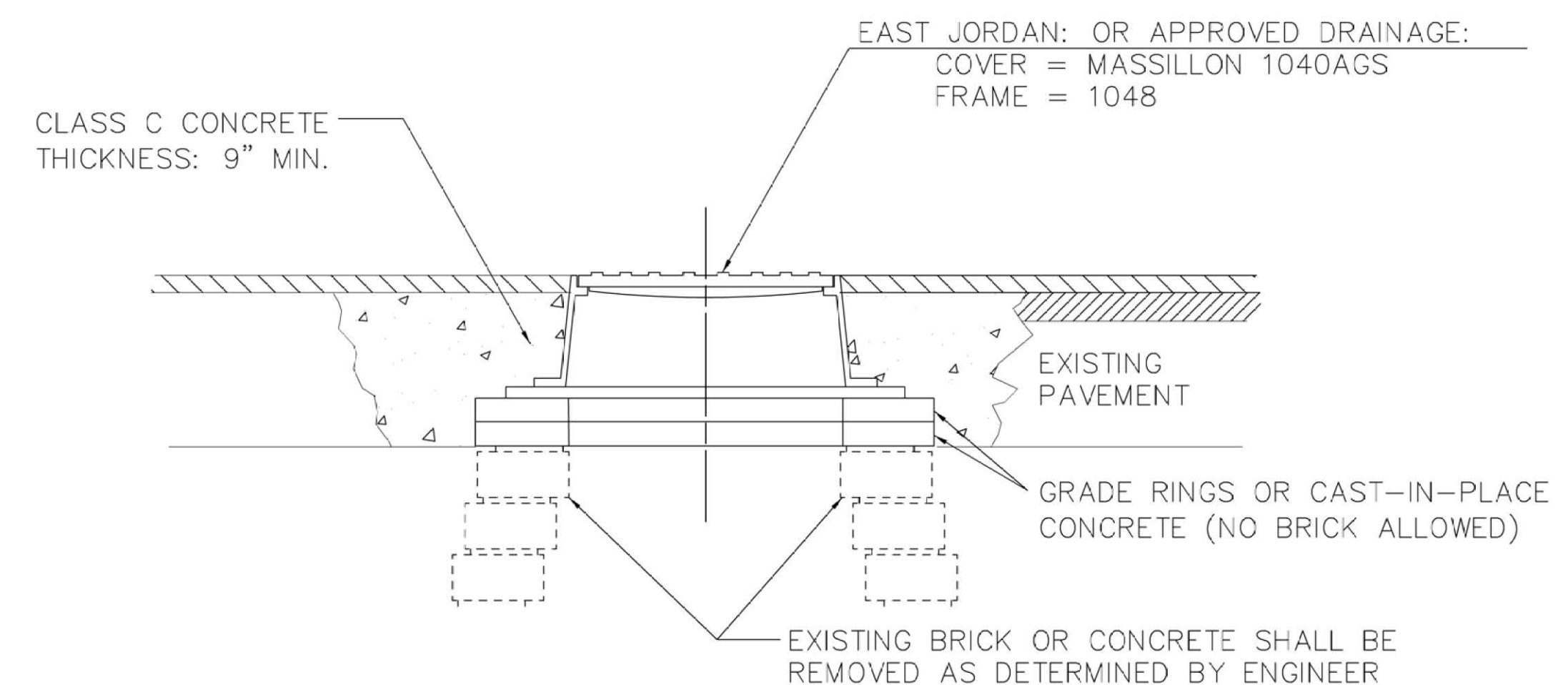
CONCRETE COLLAR



NOTES:

1. ALL CASTINGS, LIDS AND GRATES ARE TO BE CAREFULLY REMOVED AND STORED BY THE CONTRACTOR FOR SALVAGE BY THE CITY OF MASSILLON.
2. WORK SHALL INCLUDED ALL REMOVAL AND DISPOSAL OF EXISTING.

DRAINAGE MANHOLE MASS1048-R



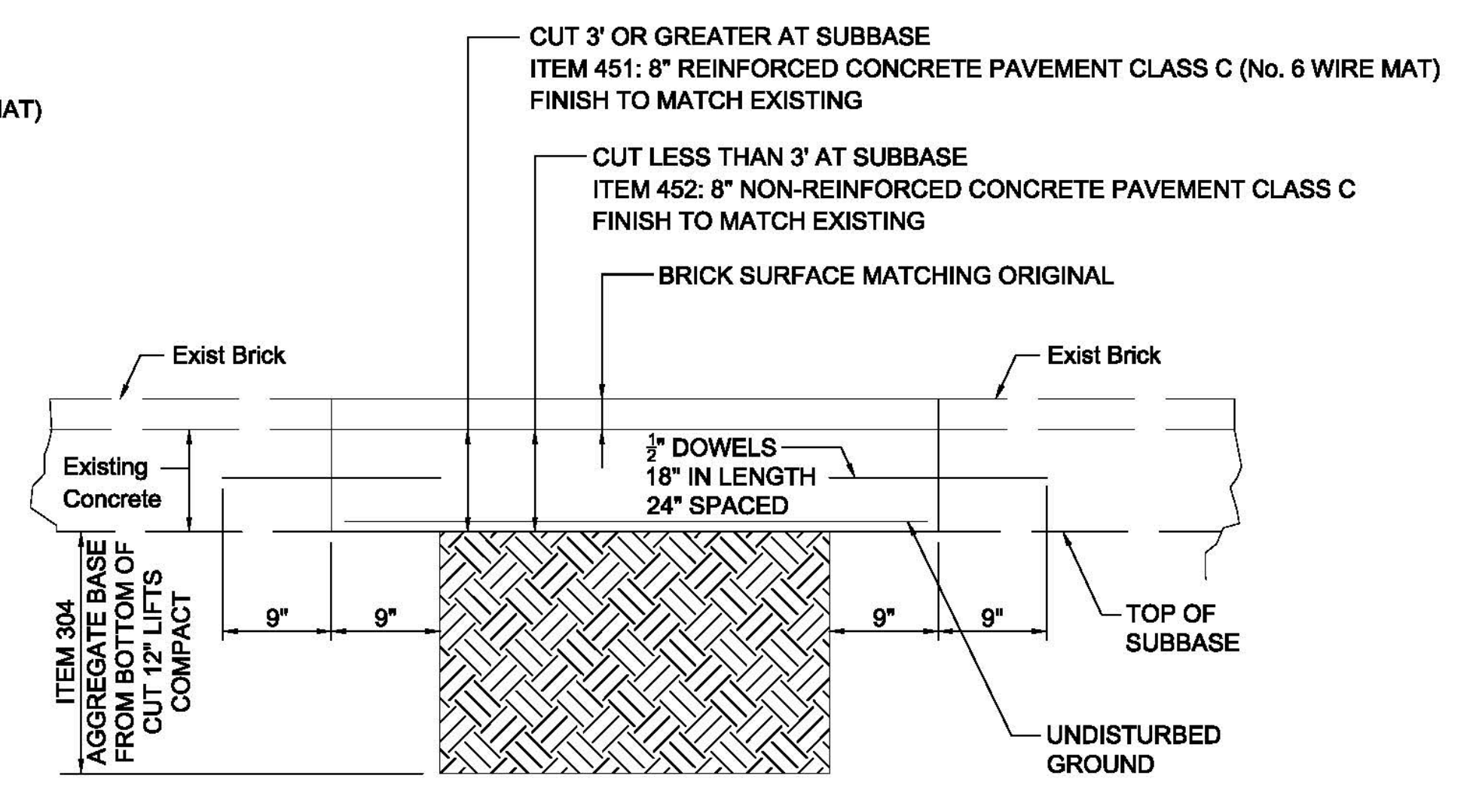
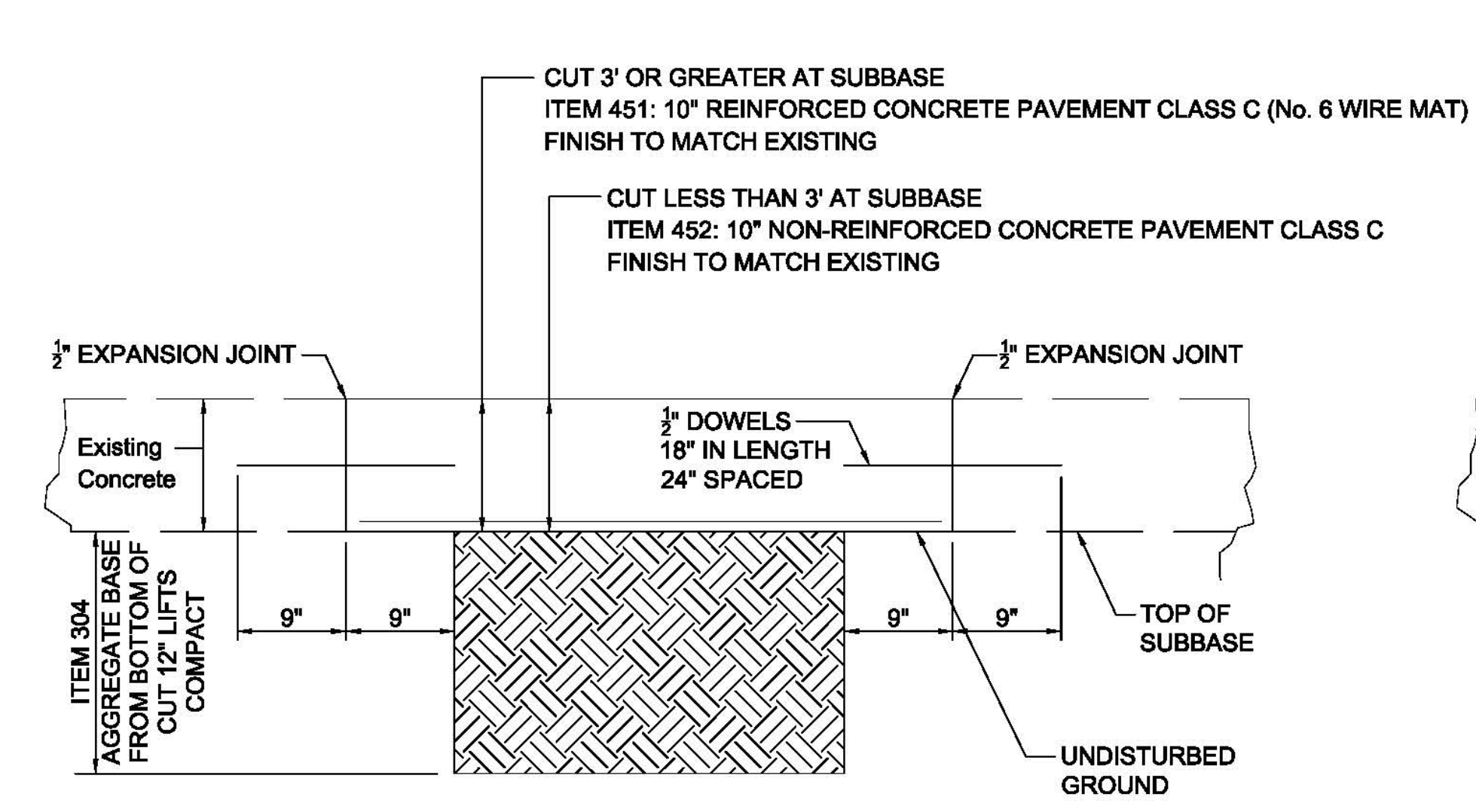
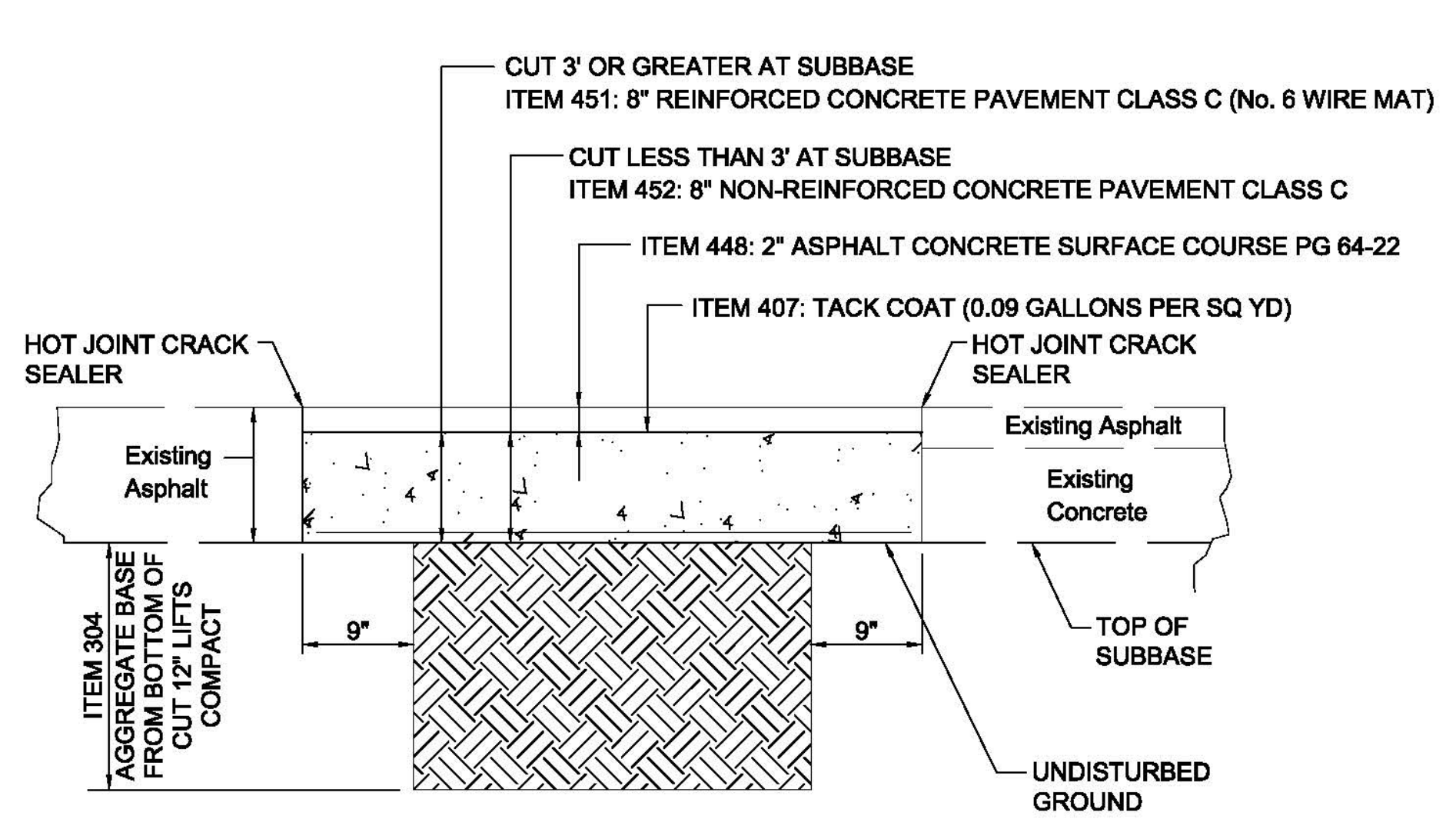
NOTES:

1. ALL CASTINGS, LIDS AND GRATES ARE TO BE CAREFULLY REMOVED AND STORED BY THE CONTRACTOR FOR SALVAGE BY THE CITY OF MASSILLON.
2. WORK SHALL INCLUDED ALL REMOVAL AND DISPOSAL OF EXISTING.

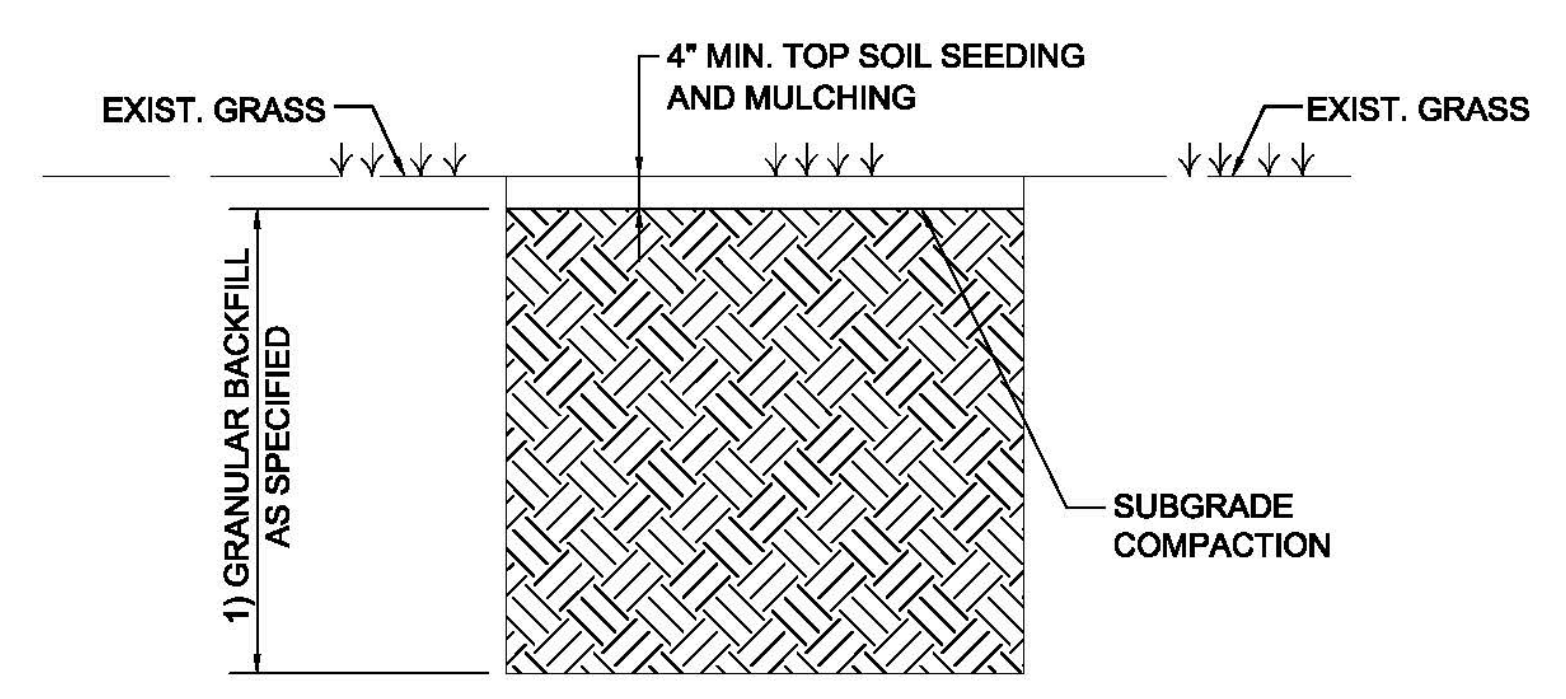
SANITARY MANHOLE MASS1048-R



STA Main/Tremont RAB
 Drainage Details
 City of Massillon
 Stark County, Ohio

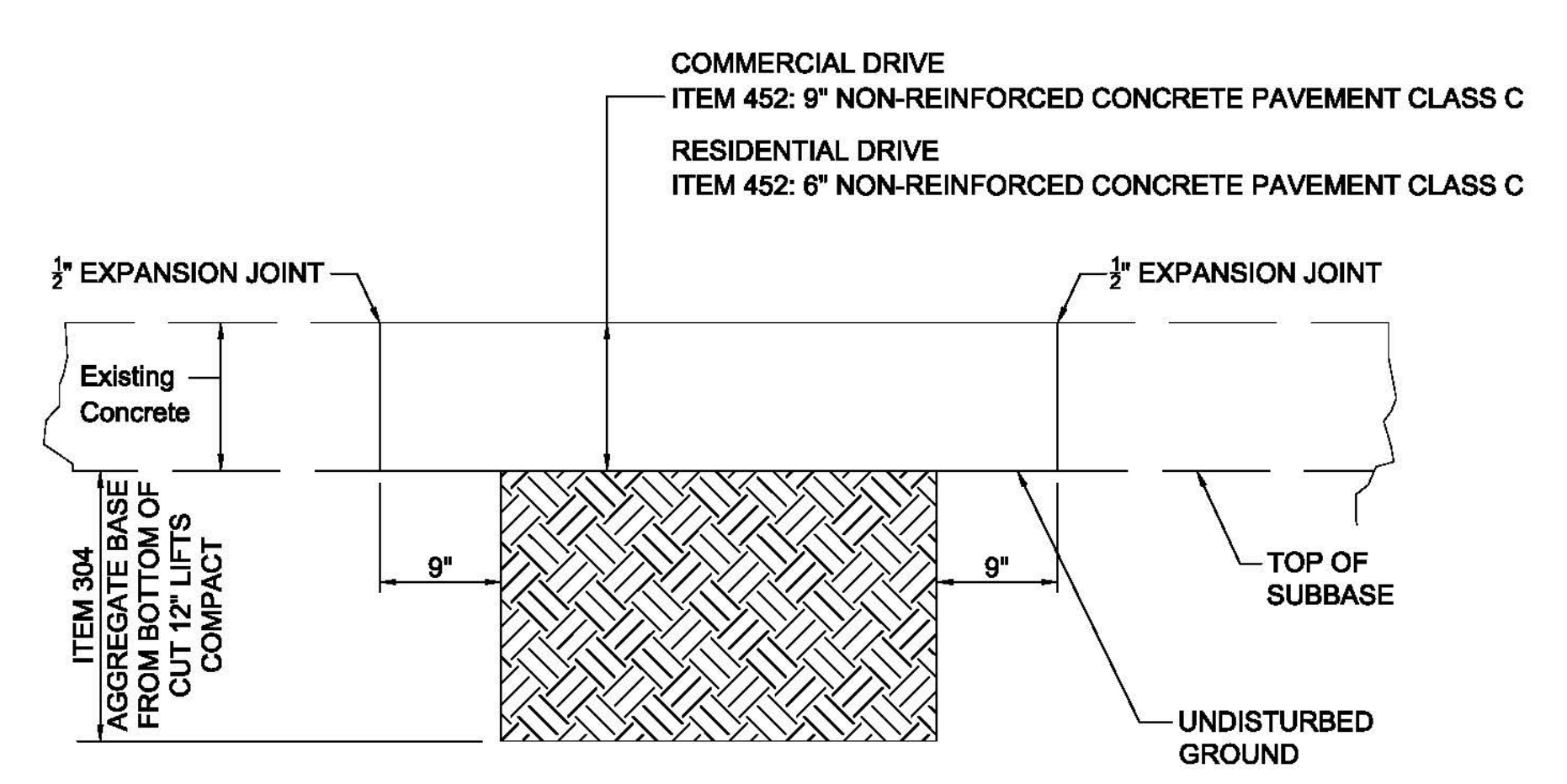


ROADWAY RESTORATION DETAIL

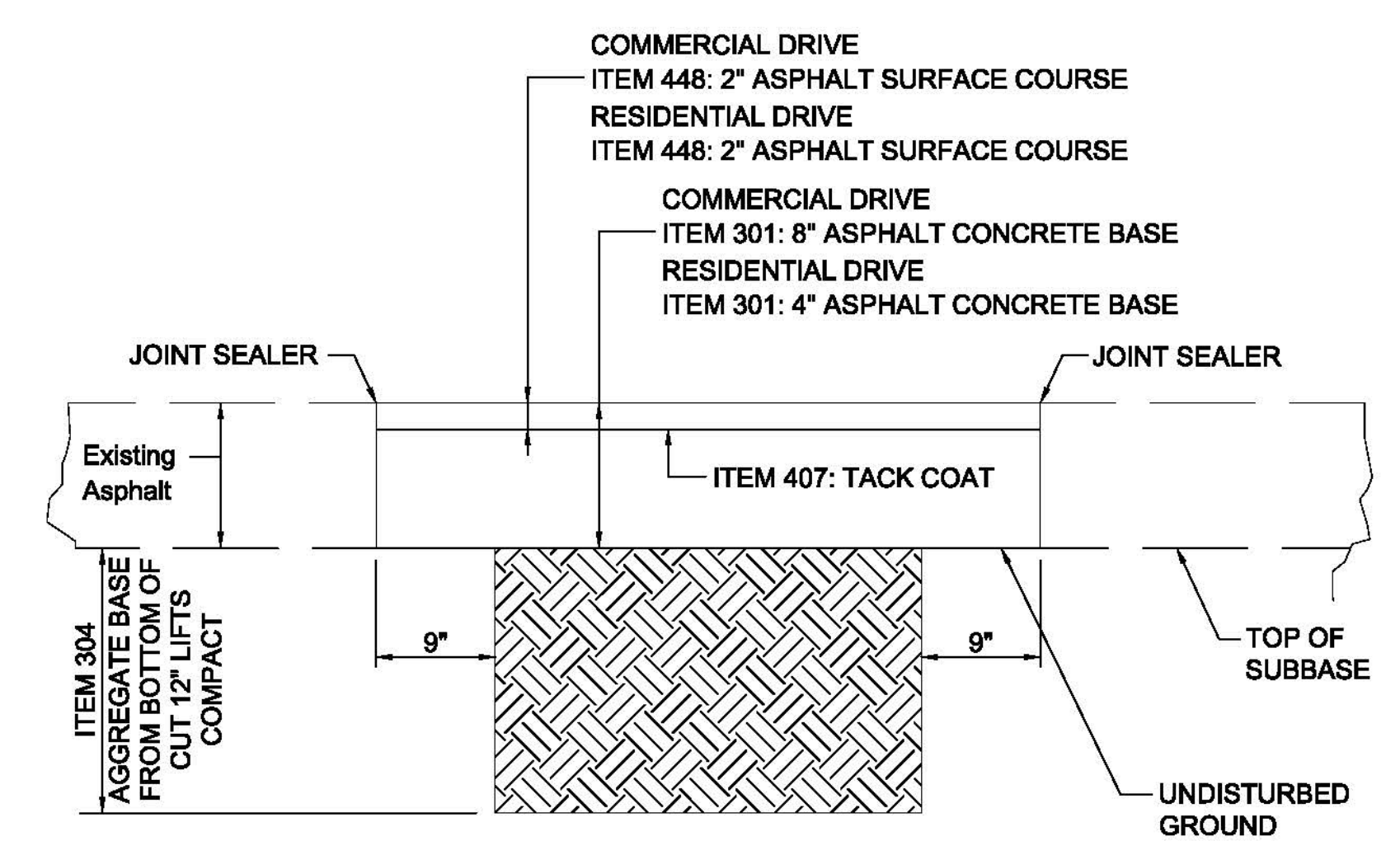


NOTES
 1) EXCAVATED MATERIAL MAY BE USED IF FOUND TO BE IN ACCEPTABLE CONDITION AS DETERMINED BY THE CITY ENGINEER.

LAWN RESTORATION DETAIL



CONCRETE DRIVEWAY RESTORATION DETAIL



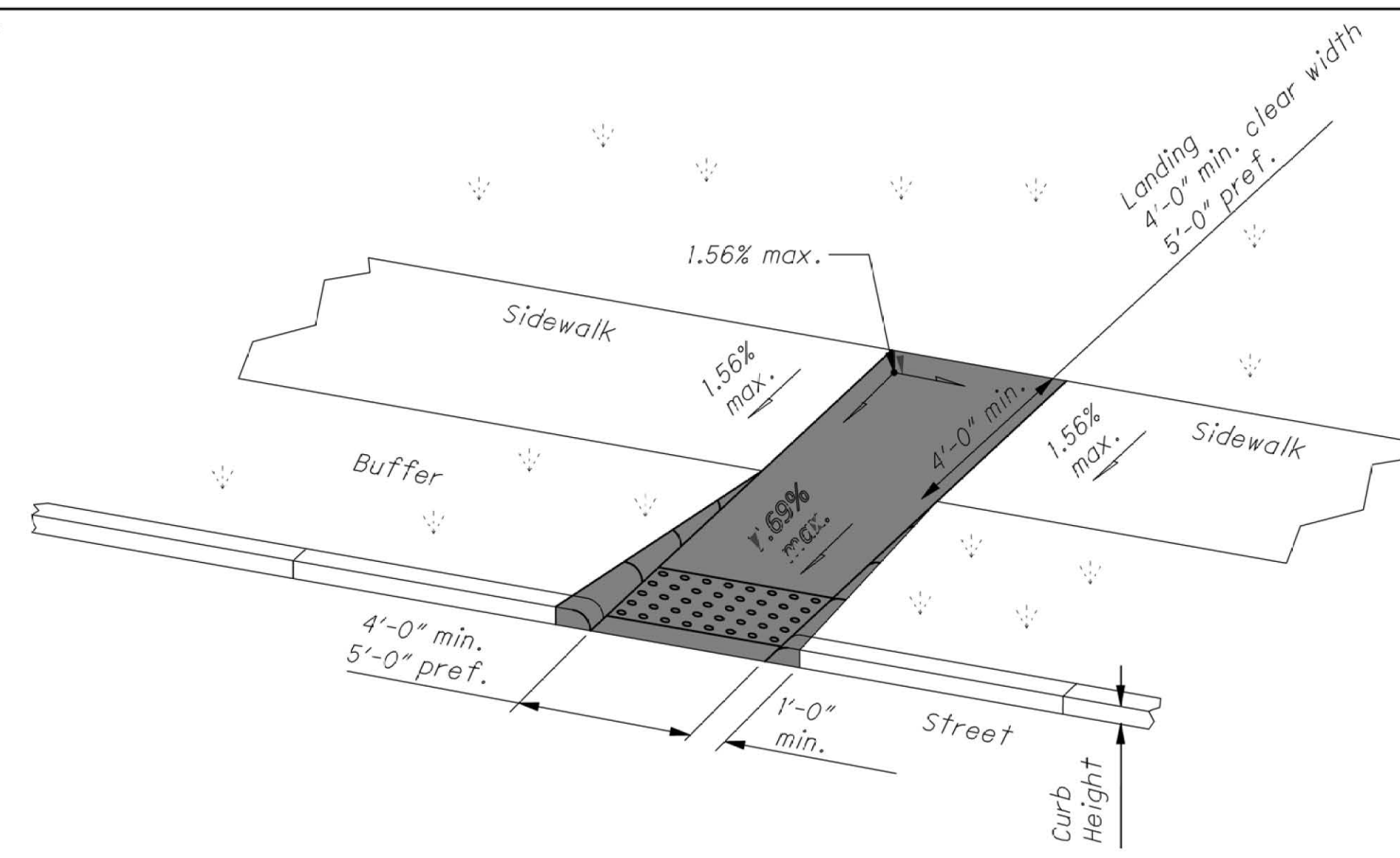
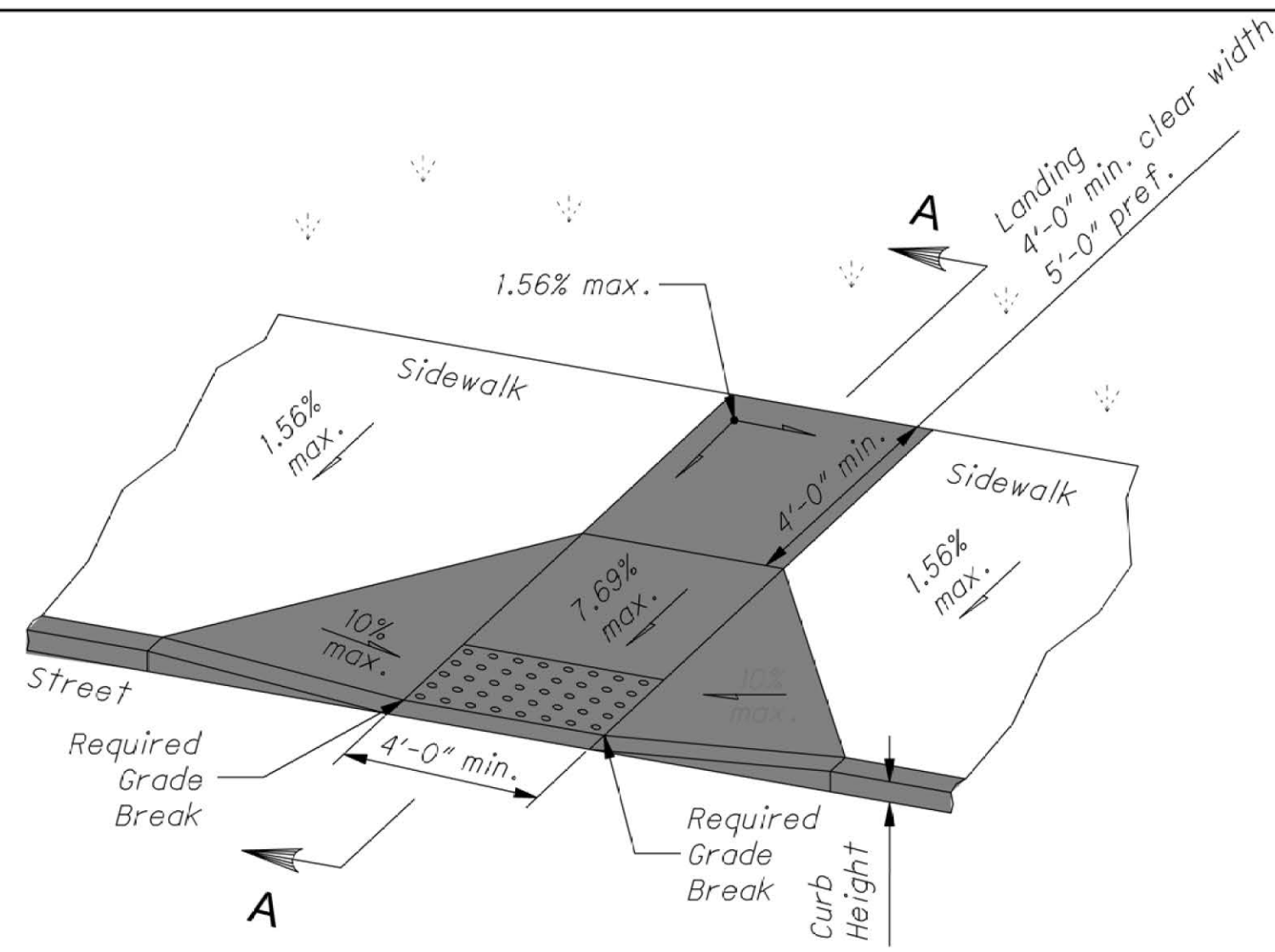
ASPHALT RESTORATION DETAIL
 REQUIRES CITY ENGINEER APPROVAL BEFORE USE

NOTE:

- IF EXISTING CONCRETE WALK, CURB OR DRIVE IS DISTURBED ENTIRE SLAB FROM EXISTING JOINTS SHALL BE REMOVED AND REPLACED UNLESS OTHERWISE DETERMINED BY CITY ENGINEER.
- ANY ABANDONED EXISTING UTILITY LINES WITHIN THE TRENCH REMOVED SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PERTINENT ITEM.
- ANY SERVICES DISTURBED DO TO TRENCHING SHALL BE AT THE CONTRACTORS EXPENSIVE FOR RECONNECTION UNLESS IT IS IN DIRECT CONFLICT WITH THE PERTINENT ITEM.
- ALL LABOR AND MATERIALS FOR TO PERFORM THE TRENCHING SHALL BE INCLUDED IN THE PERTINENT ITEM.



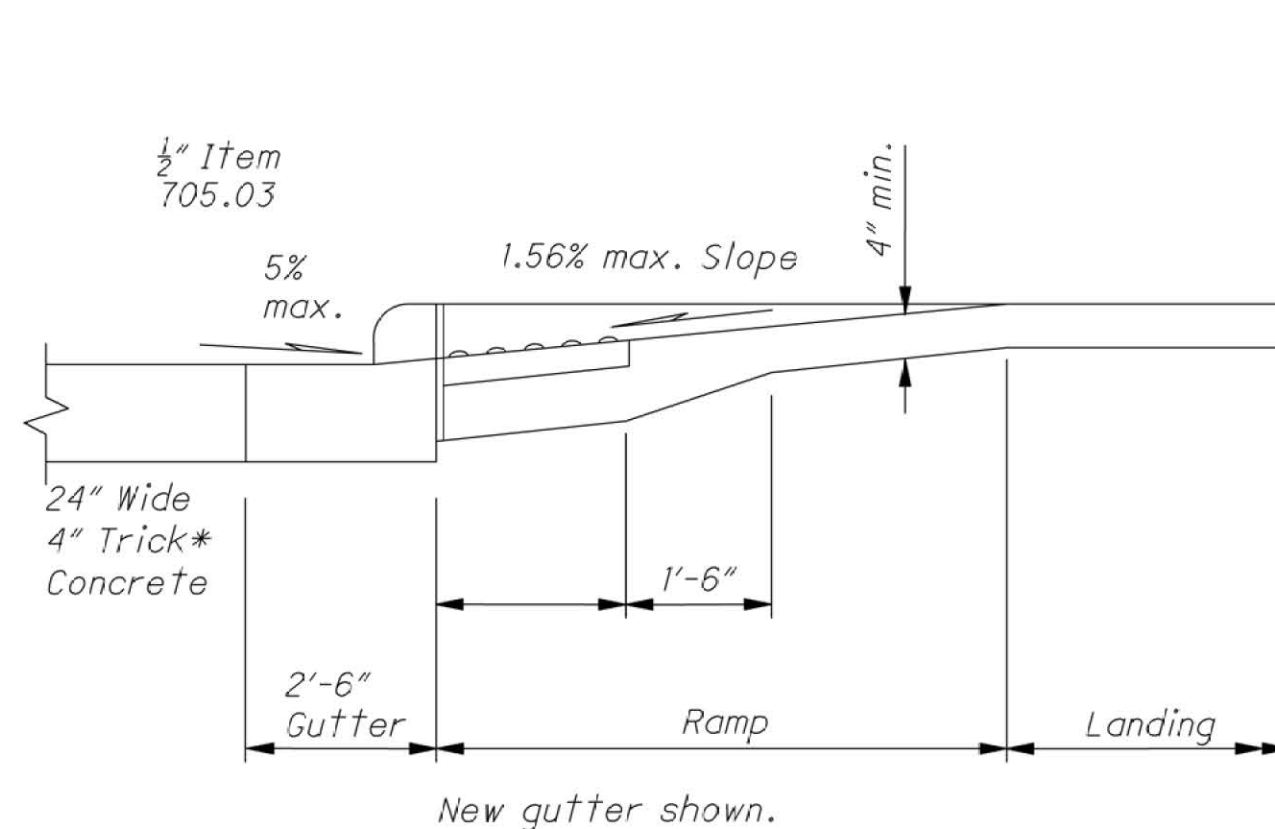
COMPANY	
DESIGNER	AP
REVIEWER / DATE	FW 3/6/2025
PROJECT ID	22ST08 / 120493
SHEET	44
SHEET	49



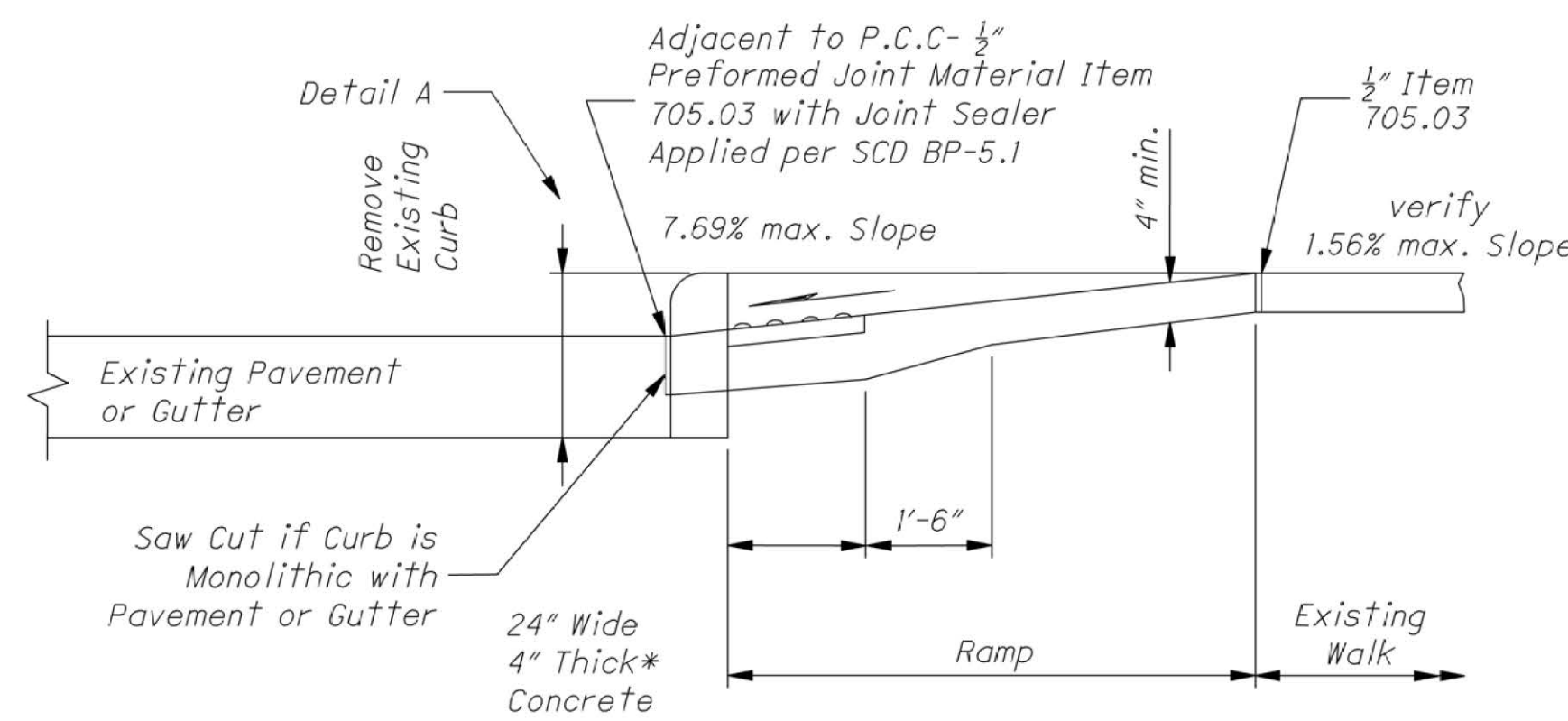
Type A1 (Perpendicular with flared sides)

Type A2 (Perpendicular with returned sides)

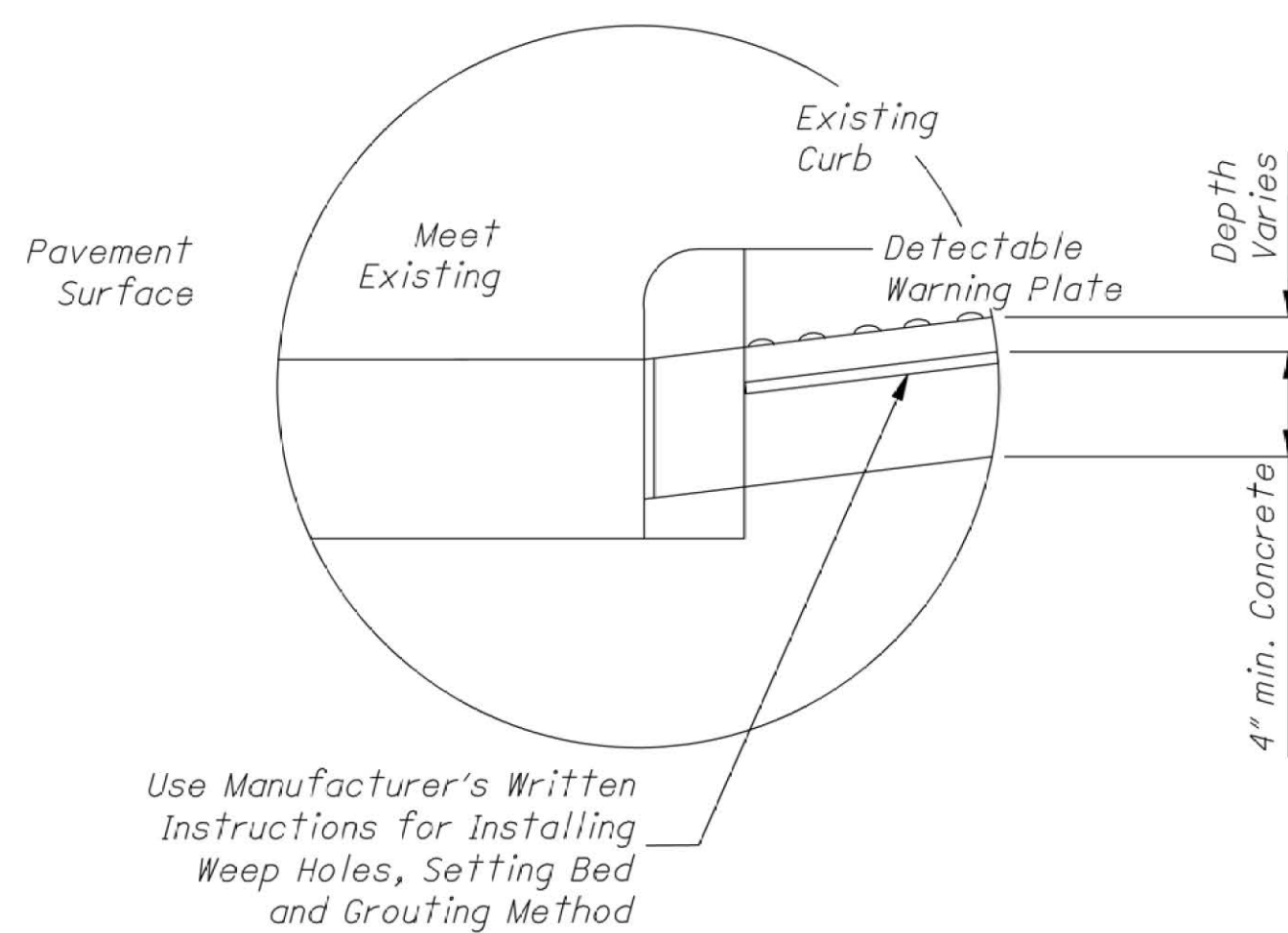
PERPENDICULAR CURB RAMP DETAILS



SECTION A-A
NORMAL DETAIL



SECTION A-A
EXISTING DETAIL



DETAIL A

DETECTABLE WARNING NOTES

GENERAL: Detectable Warnings are a distinctive surface pattern of truncated domes which are detectable by cane or underfoot to alert people with vision impairments of their approach to streets and hazardous drop-offs.

PLACEMENT: Detectable warnings are to be installed at any location where pedestrians might cross paths with vehicular traffic lanes, such as the base of curb ramps or at blended curbs. A 24" strip of domes is to be installed for the full width of the ramp or walk. Typical street corner placement locations are shown on this sheet.

Some detectable warning products require a concrete border for proper installation. The concrete border should not exceed 2". Where the back of curb edge is tooled to provide a radius, the border dimension should be measured from the end of the radius.

The depth of concrete underneath detectable warning products shall be a minimum of 4". See DETAIL A.

ALIGNMENT: Truncated domes should be aligned with the primary direction of the ramp as shown on the DETECTABLE WARNING ALIGNMENT Detail to direct pedestrians toward the landing. Normally the detectable warnings should be flush with the back of curb, but for skewed conditions see

DETECTABLE WARNING ALIGNMENT Detail. For non-standard layouts, detectable warning materials may have to be mitered placed segmentally.

PRODUCTS & COLORS: Color of the detectable warnings should contrast with surrounding concrete walk and ramp. Black is not an acceptable color. Approved products and guidance on color may be found on the Office of Roadway Engineering Service's Detectable Warnings Approved List. Install products as per manufacturer's printed instructions.

NOTES CONTINUED

The Running slope of the curb ramp shall be a 7.69% maximum or flatter in existing sidewalks, where the maximum ramp slope is not feasible due to site constraints (e.g. utility poles or vaults, right-of-way limits) it may be adjusted as follows:

- A) 10:1 for a max. rise of 6",
- B) 8:1 for a max. rise of 3",
- C) 6:1 over a max. run of 2'-0" for historic areas where a flatter slope is not feasible

To prevent chasing the grade indefinitely, the transition from existing sidewalk to the shaded curb ramp area is not required to exceed 15 feet in length.

While ramps may be skewed to the crosswalk, the entire lower landing area must fall within the cross walk that the ramp serves and cannot be located in the traveled lane of opposing traffic.

The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transitions shall be 5% or flatter

The bottom edge of the ramp shall change planes perpendicular to the landing.

The edge of the curb shall be flush with the edge of the adjacent pavement and gutter and surface slopes that meet grade breaks shall also be flush.

Where pedestrian street crossings are without yield or stop control conditions, or at a traffic signal that is designed for green phase and vehicles do not slow to navigate the intersection, the maximum cross slope at the edge of the asphalt pavement and gutter may be increased as follows:

- D) 5% maximum cross slope at street crossings without yield or stop control
- E) Cross slope may match grade of street asphalt edge profile at Mid-block Street Crossings

A 4' minimum continuous clear width, exclusive of the width of any curb is required for a pedestrian access route. Ramp landings shall be 4' min. x 4' min. with a 1.56% or flatter cross slope and running slope.

Provide 24" wide level strip if the algebraic difference between the ramp slope and the street exceeds 11%.

DETECTABLE WARNINGS: Install Detectable Warnings on each curb ramp with approved materials, as shown on Sheet ---. Install these proprietary products as per manufacturer's written instructions

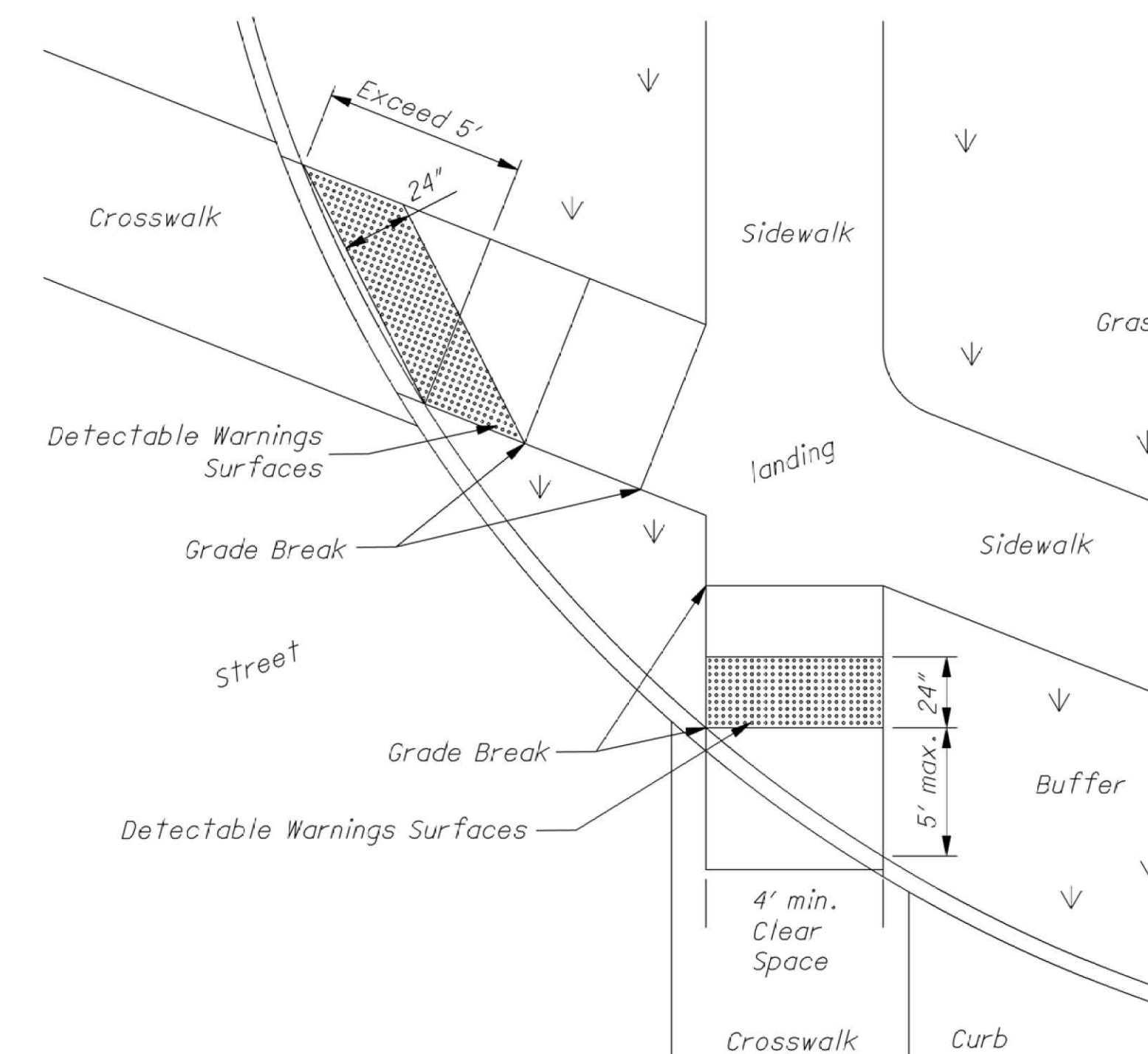
BLENDED TRANSITIONS: Blended Transitions do not require a landing since the slope shall not exceed 5%.

DRAINAGE: Contractor is to ensure the base of each constructed curb ramp allows for proper drainage, without exceeding allowable cross slope or ramp slopes. Vertical change in level exceeding 1/8" between the 1) pavement and gutter, and 2) gutter and ramp, are not allowed.

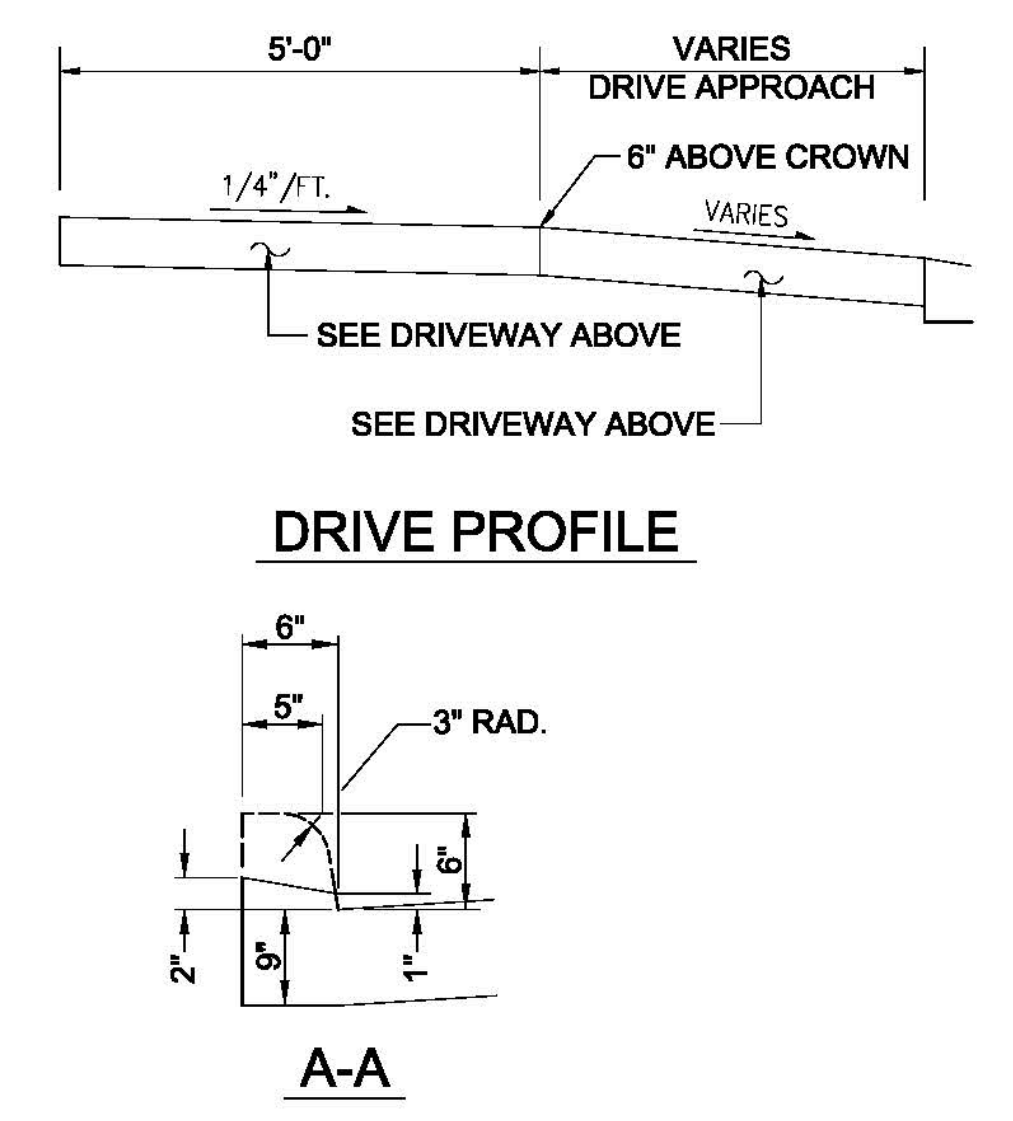
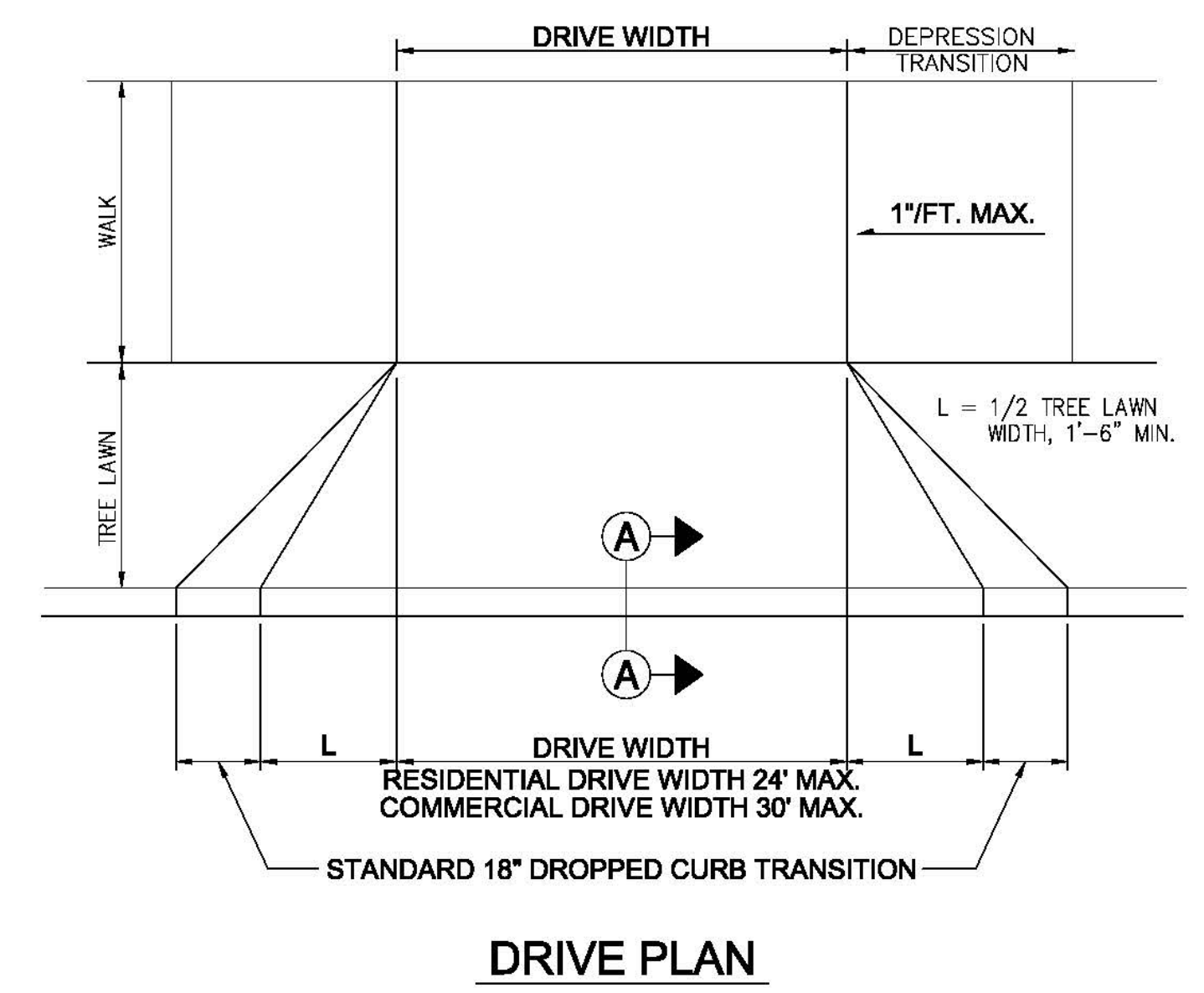
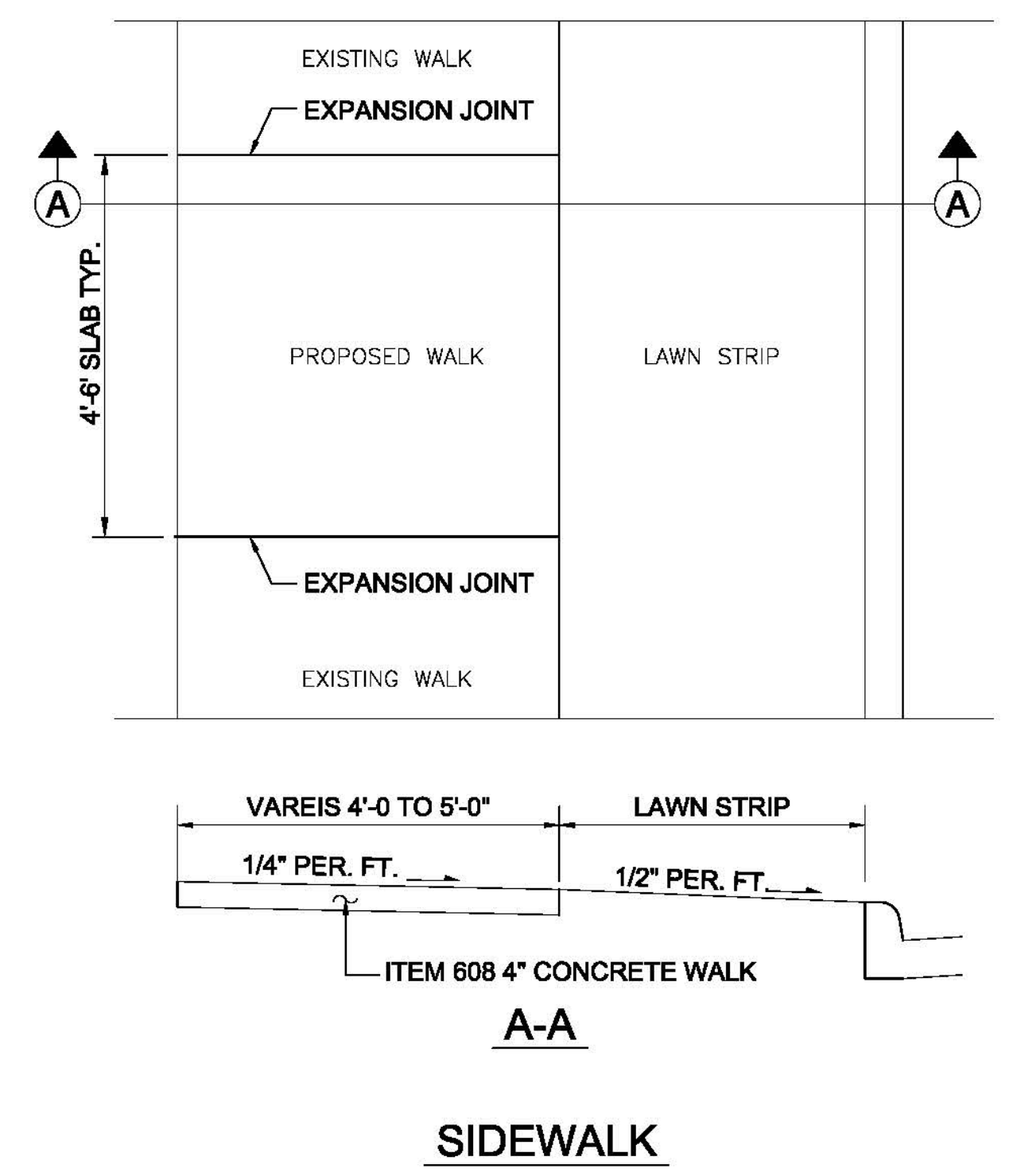
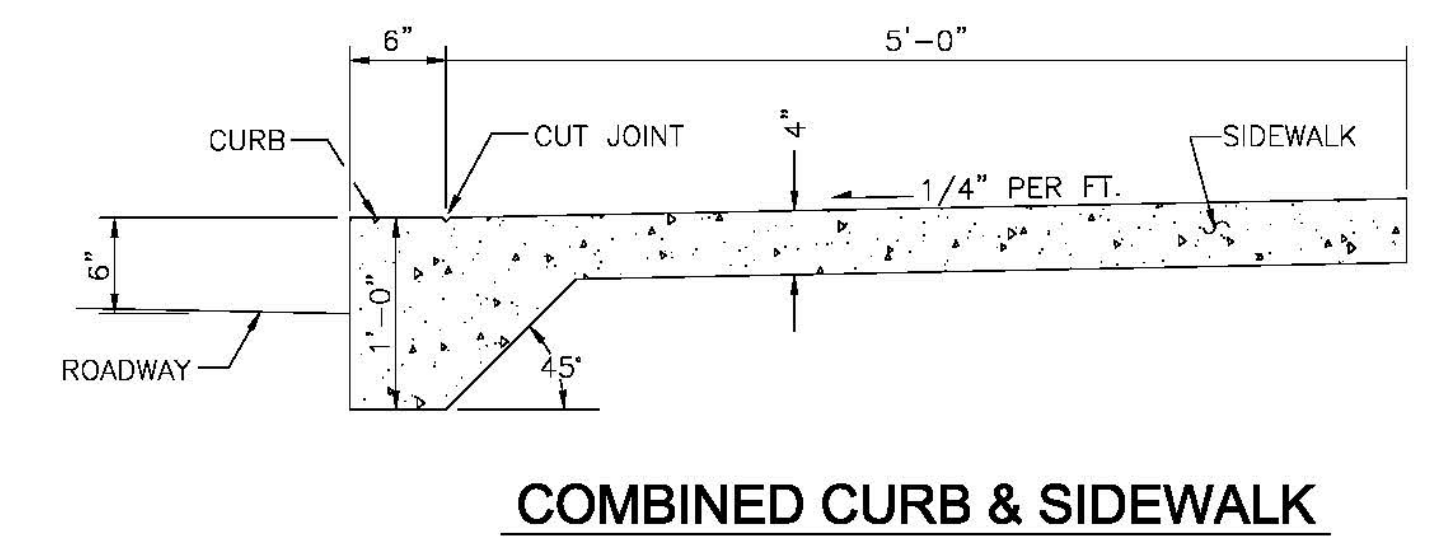
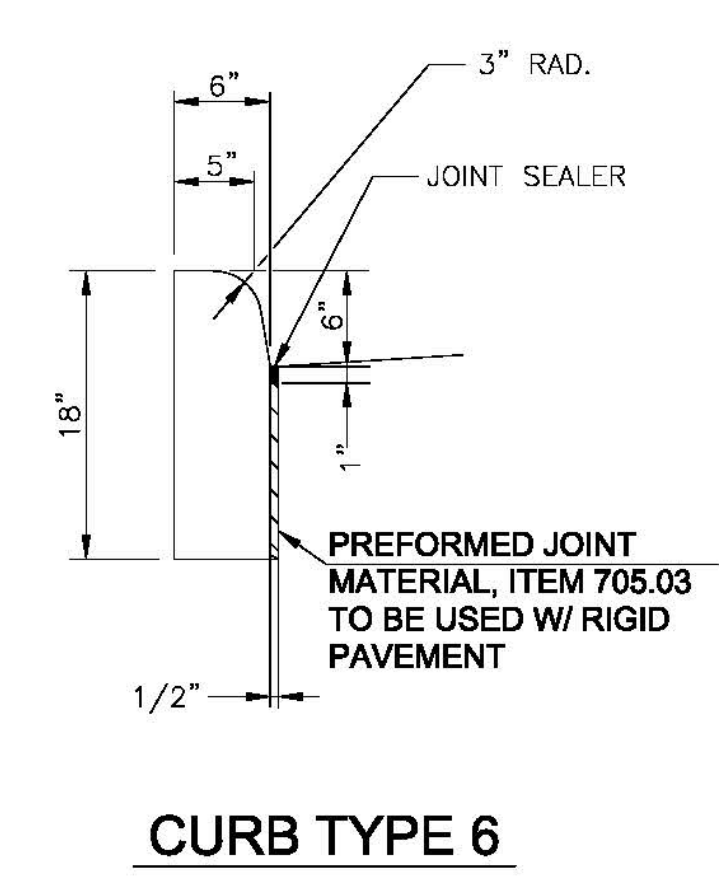
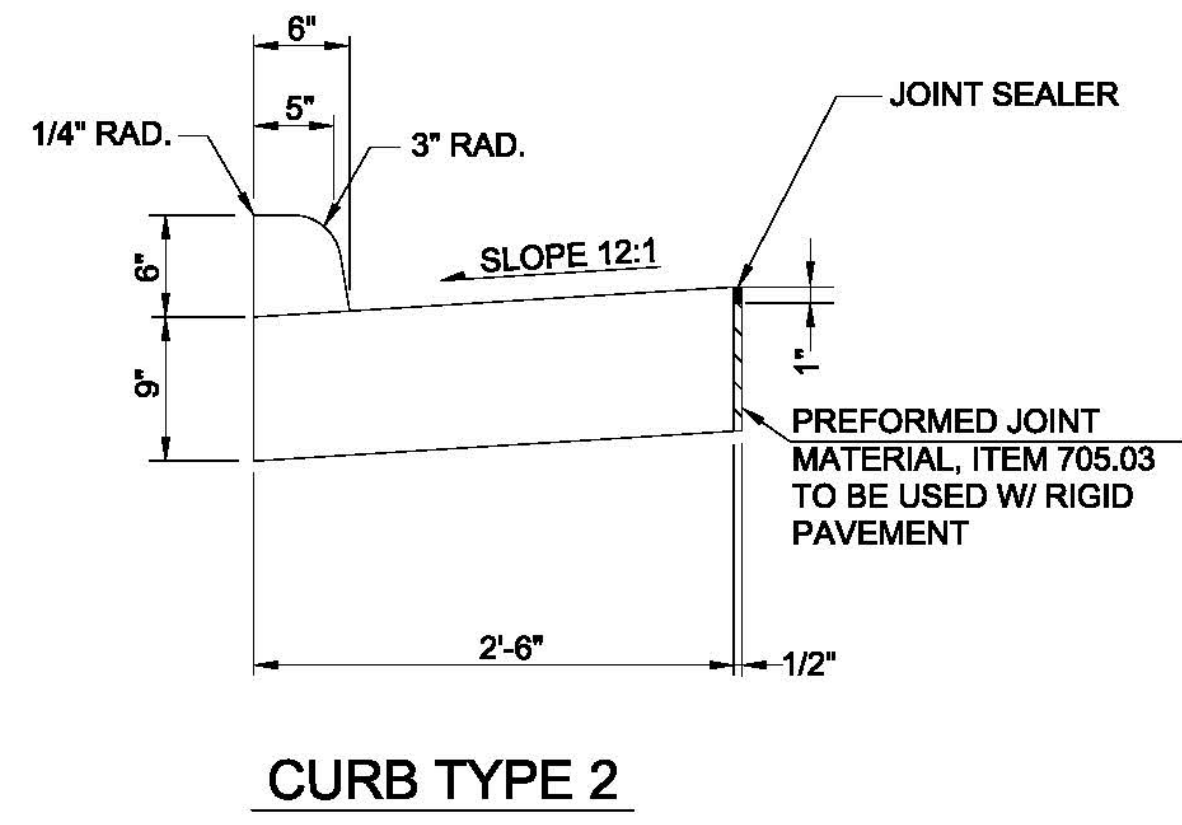
SURFACE TEXTURE: Texture concrete surfaces by coarse brooming transverse to the ramp slopes to be rougher than the adjacent walk.

JOINTS: Provide expansion joints in the curb ramp as extensions of walk joints and consistent with Item 608.03 requirements for a new concrete walk. Provide a 1/2" Item 705.03 expansion joint filler around the edge of ramps built in existing concrete walks. Lines shown on this drawing indicate the ramp edges and slope changes, and do not necessarily indicate joint lines.

SLOPES: Where 7.69% maximum and 1.56% maximum slopes are listed, ramps shall be considered compliant for payment where the as-built slopes are 8.33% maximum and 2% maximum, respectively.



DETECTABLE WARNING ALIGNMENT
FOR DIRECTIONAL CURB RAMPS



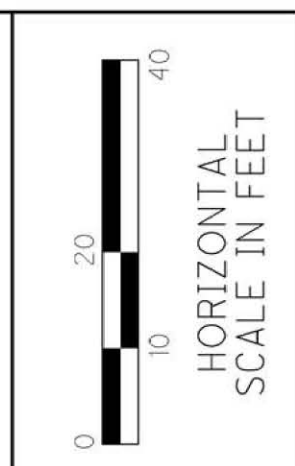
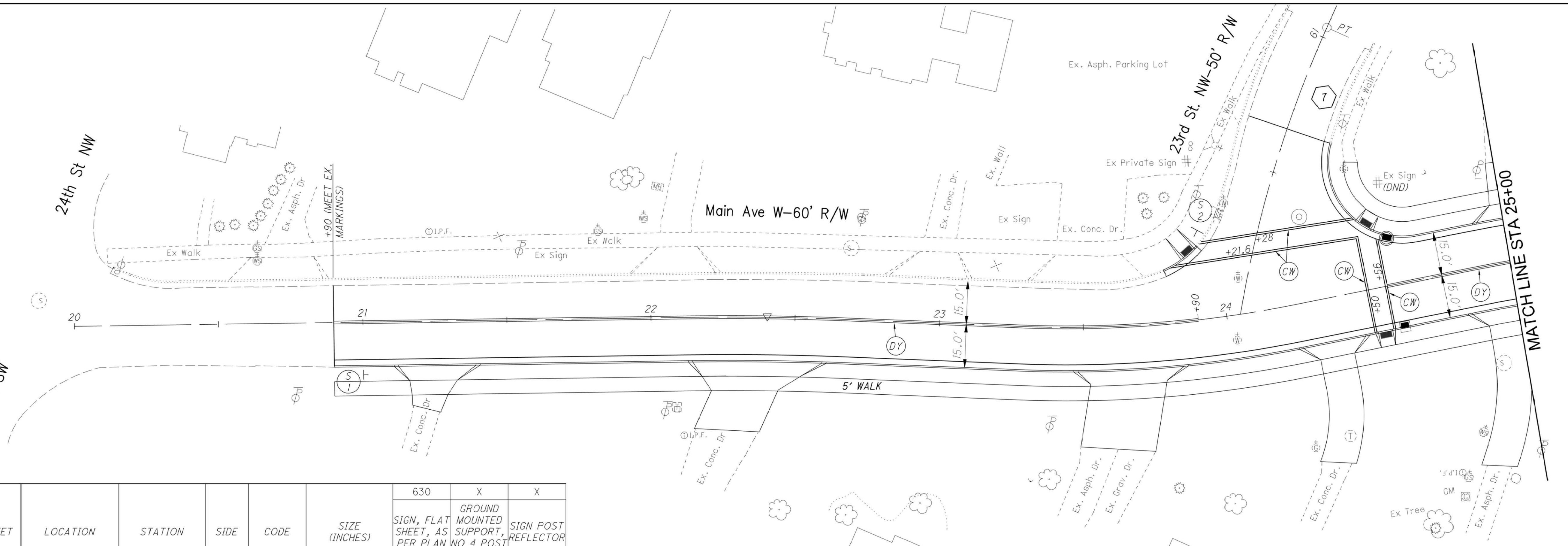
NOTE
CONCRETE SHALL BE 4000 PSI CLASS C

DRIVEWAY APPROACH DETAIL

STA Main/Tremont RAB
Miscellaneous Details
City of Massillon
Stark County, Ohio

COMPANY	
	
DESIGNER	
AP	
REVIEWER / DATE	
FW 3/6/2025	
PROJECT ID	
22ST08 / 120493	
SHEET	SHEET
46	49

24th St SW
24th St NW



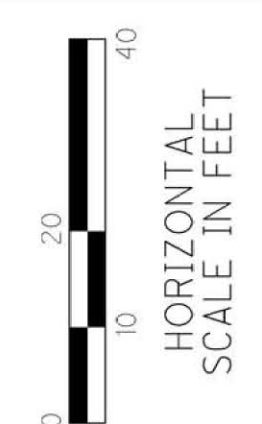
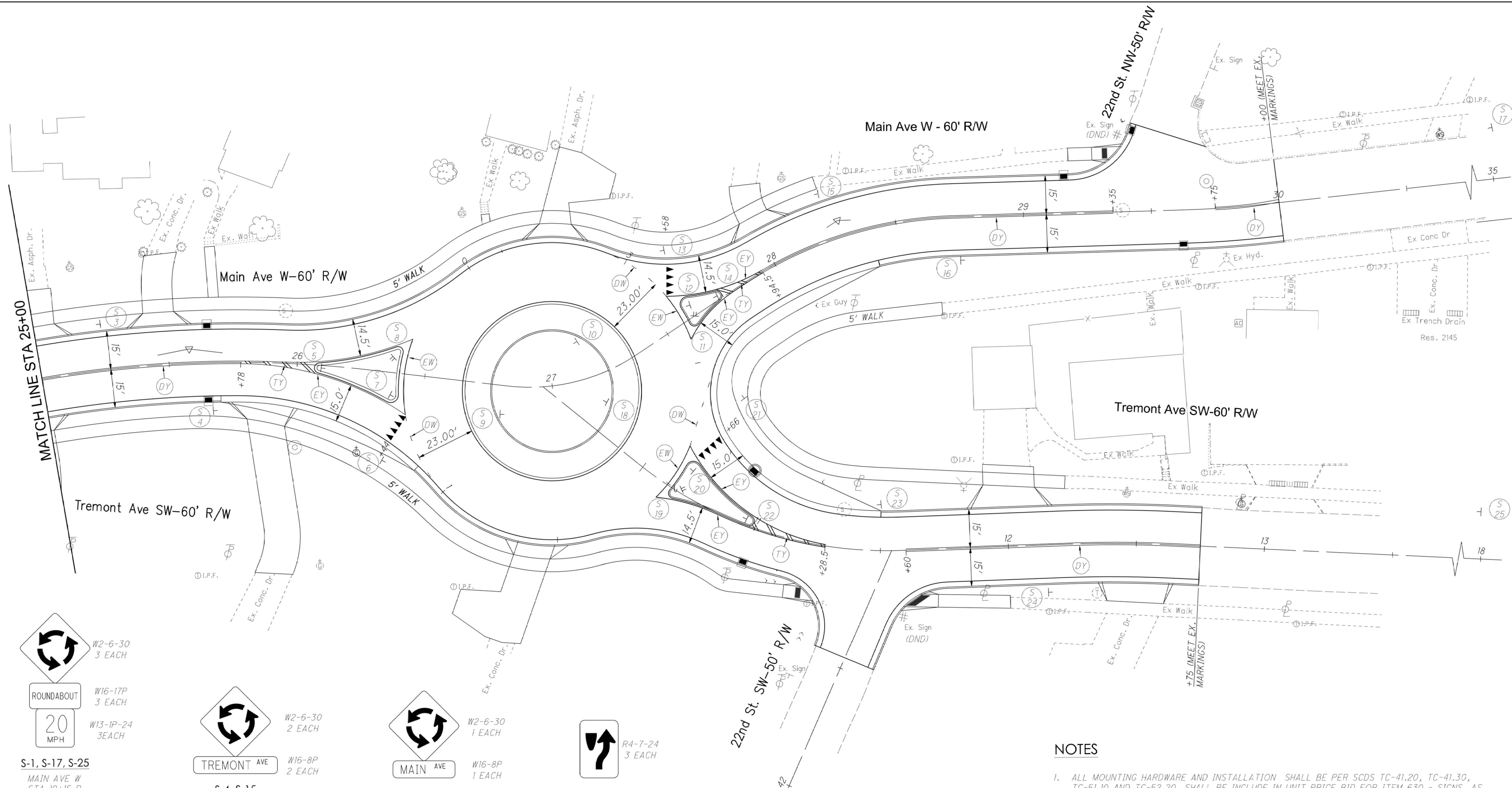
REF.	SHEET	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	X	X
							SIGN, FLAT SHEET, AS PER PLAN	GROUND MOUNTED SUPPORT, NO 4 POST TYPE S	SIGN POST REFLECTOR
							EACH	FT	EACH
S-1	47	Main Ave W	19+15	RT	W2-6-30	30" X 30"	6.25	17.2	
					W16-17P	24" X 12"	2.00		
					W13-IP-24	24" X 24"	4.00		
S-2	47	23rd St NW	60+25	LT	R1-1-36	36" X 36"	9	13.5	
S-3	48	Main Ave W	25+25	LT	R2-1-24	30" X 24"	5.0	13	
S-4	48	Main Ave W	25+65	RT	W2-6-30	30" X 30"	6.25	14.8	
					W16-8P	36" X 8"	2.00		
S-6	48	Main Ave W	26+37	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-7	48	Main Ave W	26+37	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-8	48	Main Ave W	26+35	LT	D1-ID	66" X 12"	5.5	23	
S-9	48	Main Ave W	26+81	RT	R6-1R-36	36" X 12"	3.00	21.2	
					R6-4-30	30" X 24"	5.00		
S-10	48	Main Ave W	27+14	LT	R6-1R-36	36" X 12"	3.00	21.2	
					R6-4-30	30" X 24"	5.00		
S-11	48	Main Ave W	27+63	LT	D1-ID	66" X 12"	5.5	23	
S-12	48	Main Ave W	27+64	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-13	48	Main Ave W	27+67	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-14	48	Main Ave W	27+74	RT	R4-7-24	24" X 30"	5.00	13	
S-15	48	Main Ave W	28+25	LT	W2-6-30	30" X 30"	6.25	14.8	
					W16-8P	36" X 8"	2.00		
S-16	48	Main Ave W	26+10	RT	R2-1-24	30" X 24"	5.0	13	
S-17	48	Main Ave W	19+15	RT	W2-6-30	30" X 30"	6.25	17.2	
					W16-17P	24" X 12"	2.00		
					W13-IP-24	24" X 24"	4.00		
S-18	48	Tremont Ave NW	10+23	LT	R6-1R-36	36" X 12"	3.00	21.2	
					R6-4-30	30" X 24"	5.00		
S-19	48	Tremont Ave NW	10+68	LT	D1-ID	78" X 12"	6.50	23.0	
S-20	48	Tremont Ave NW	11+71	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-21	48	Tremont Ave NW	11+67	LT	R1-2-36	36" X 36" X 36"	7.80	26.2	2
S-22	48	Tremont Ave NW	10+95	LT	R4-7-24	24" X 30"	5.00	13	
S-23	48	Tremont Ave NW	11+50	LT	W2-6-30	30" X 30"	6.25	14.8	
					W16-8P	XX" X 8"	2.00		
S-24	48	Tremont Ave NW	12+12	RT	R2-1-24	30" X 24"	5.0	13	
S-25	48	Tremont Ave NW	18+00	LT	W2-6-30	30" X 30"	6.25	17.2	
					W16-17P	24" X 12"	2.00		
					W13-IP-24	24" X 24"	4.00		
TOTAL CARRIED TO GENERAL SUMMARY							233	438.1	6

REF.	STATION		SIDE	644	644	644	644	644	644	644
	TO	FROM		CROSSWALK	TRANSVERSE/DIAGONAL LINE	EDGE LINE, 6" (WHITE)	EDGE LINE, 6" (YELLOW)	CENTER LINE	DOTTED LINE, 6"	PAVEMENT MARKING, MISC., YIELD LINE
MAIN AVE W										
DY	20+90	23+90	CL					300		
CW	23+88	24+53	LT	144						
CW	24+53	24+53	RT/LT	76						
DY	24+56	25+78	CL					122		
DY	27+94.5	29+35	CL					140.5		
DY	29+75	30+00	CL					25		
EY	25+78	26+44.5	LT				69			
EY	25+78	26+44.5	RT				69			
EY	27+57	27+94.5	LT				39			
EY	27+57	27+94.5	RT				39			
TY	25+78	26+06.8	RT/LT		10					
TY	27+76	27+94.5	RT/LT		10					
	26+42		RT							12
	27+62		LT							13
ROUNDABOUT										
EW	0+36	0+66	RT			30				
DW	1+92	2+17	RT						25	
EW	2+59.7	2+79	RT			20				32
DW	0+66	0+97.6	RT							
EW	2+17	2+47.5	RT			31				
DW	2+79	3+08	RT							29
TREMONT AVE NW										
EY	10+60.8	11+28.5	LT				68			
EY	10+60.8	11+28.5	RT				68			
DY	11+60	12+75	CL					115		
TY	10+99	11+28.5	RT/LT		16					
	10+66		LT							13
TOTAL				220	36	81	352	702.5	86	38
TOTAL CARRIED TO GENERAL SUMMARY				220	36	0.02	0.07	0.14	86	38

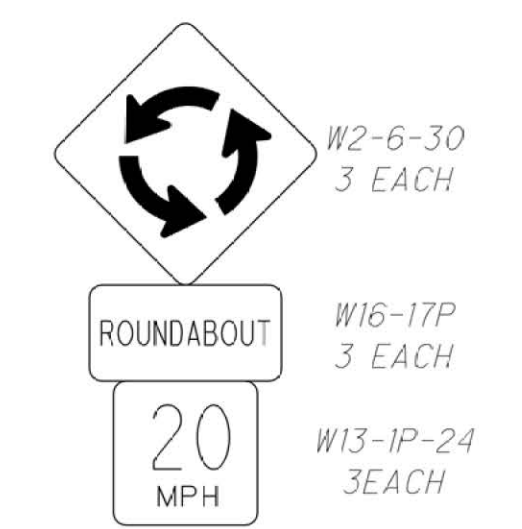
STA Main/Tremont RAB
Main Ave W - Signing and Striping Plan
City of Massillon
Stark County, Ohio



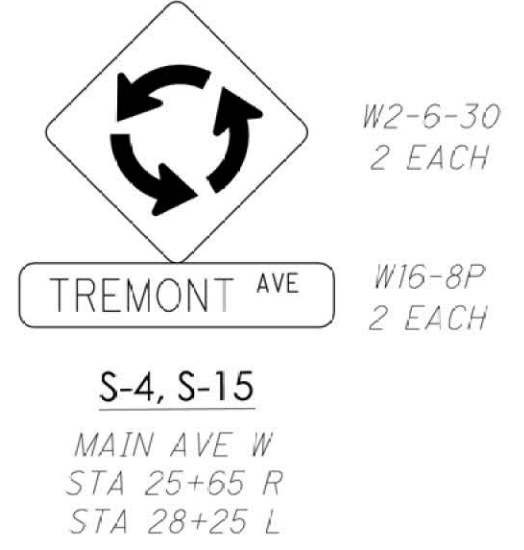
DESIGNER	FPW
REVIEWER / DATE	AP 7/2025
PROJECT ID	00s108/120493
SHT NO.	47
TOTAL	49



Main Ave W & Tremont Ave SW Roundabout
 Main Ave W / Tremont Ave SW - Signing and Striping Plan
 City of Massillon
 Stark County, Ohio



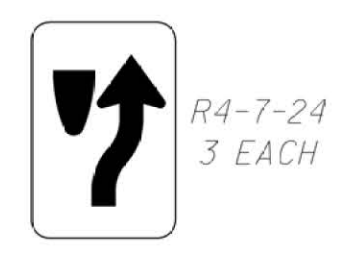
S-1, S-17, S-25
 MAIN AVE W
 STA 19+15 R
 STA 35+00 L
 TREMONT AVE NW
 18+00 L



S-4, S-15
 MAIN AVE W
 STA 25+65 R
 STA 28+25 L



S-23
 TREMONT AVE NW
 STA 11+50 L



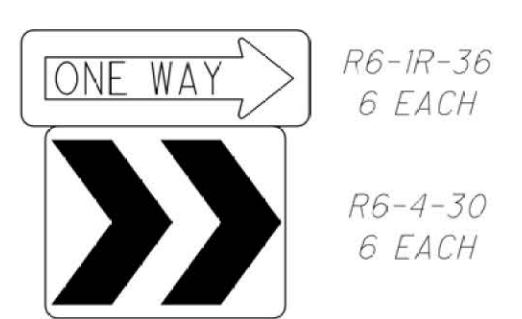
S-5, S-14, S-22
 MAIN AVE W
 STA 26+10 R
 STA 27+74 L
 TREMONT AVE W
 STA 10+95 L



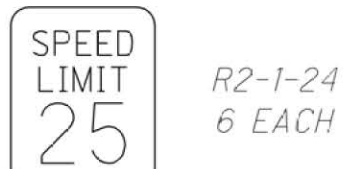
S-8, S-11
 MAIN AVE W
 STA 26+35
 STA 27+63



S-6, S-7, S-12, S-13, S-20, S-21
 MAIN AVE W
 STA 26+37 L
 STA 26+37 L
 STA 27+64 L
 STA 27+67 L
 TREMONT AVE W
 STA. 11+71 L
 STA. 11+67 L



S-9, S-10, S-18
 MAIN AVE W
 STA 26+81 R
 STA 27+14 L
 TREMONT AVE NW
 STA 10+23 L



S-3, S-16, S-24
 MAIN AVE W
 STA 25+25 L
 STA 28+65 R
 TREMONT AVE NW
 STA 12+12 R



S-2
 23rd ST NW
 STA 60+25 L



S-19
 TREMONT AVE W
 STA 10+68

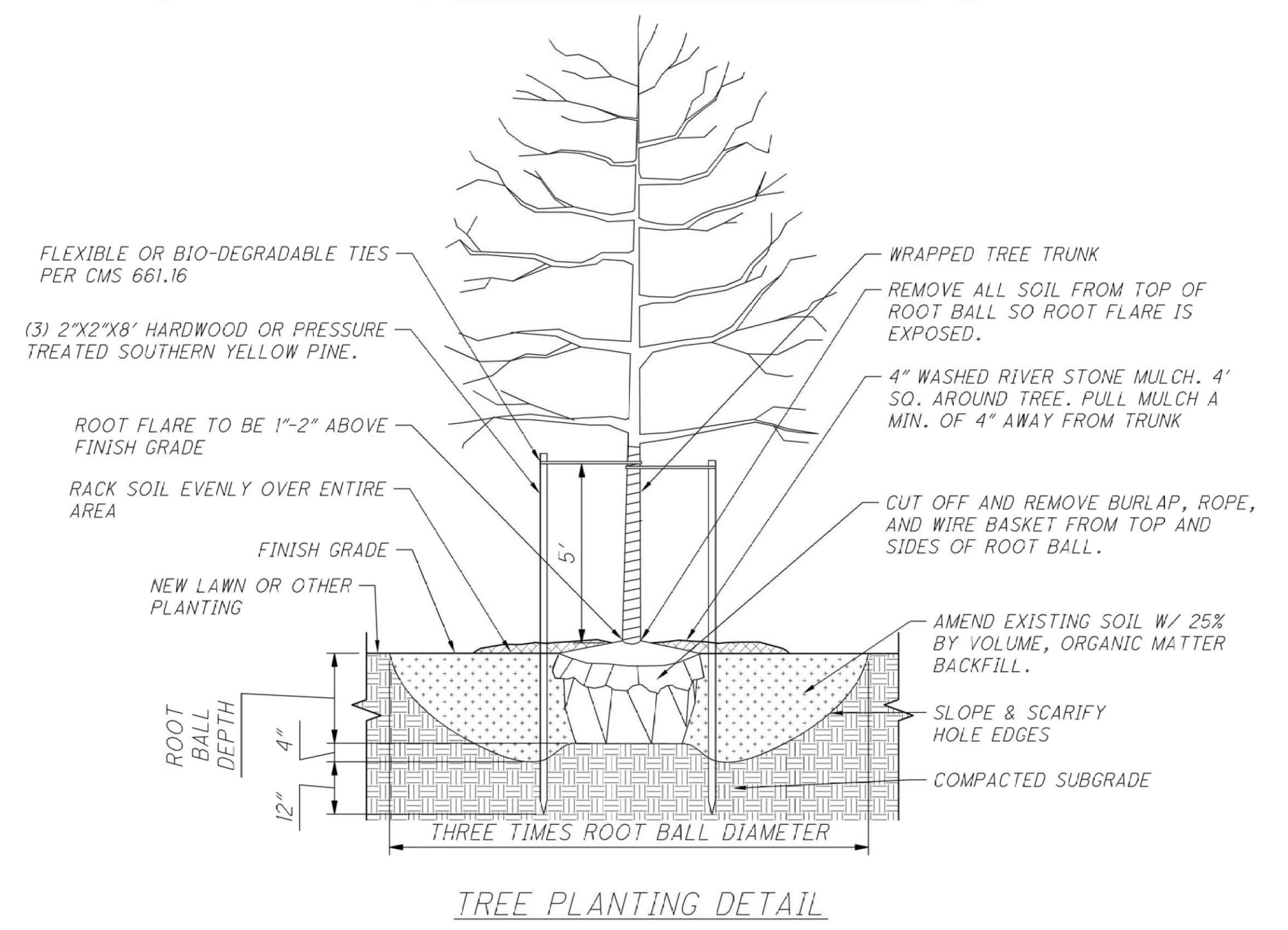
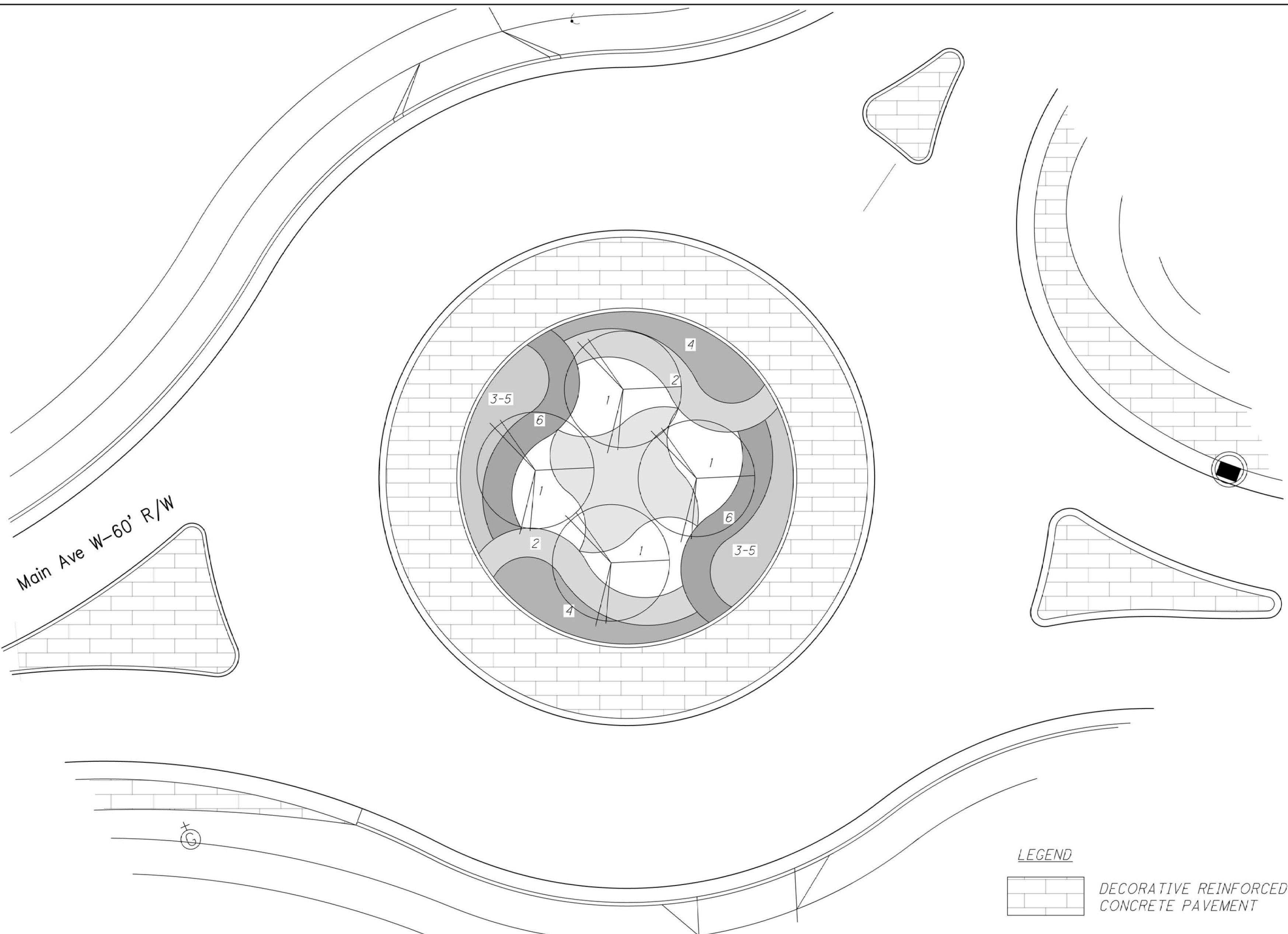
NOTES

1. ALL MOUNTING HARDWARE AND INSTALLATION SHALL BE PER SCDS TC-41.20, TC-41.30, TC-51.10 AND TC-52.20. SHALL BE INCLUDE IN UNIT PRICE BID FOR ITEM 630 - SIGNS, AS PER PLAN, ITEM 630 - GROUND MOUNTED SUPPORT, AS PER PLAN.
2. ALL GROUND MOUNTING SUPPORTS SHALL BE TYPE S POSTS UNLESS OTHERWISE APPROVED BY CITY ENGINEER INCLUDING ALL POST REFLECTORS. SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM 630 - GROUND MOUNTED SUPPORT, AS PER PLAN

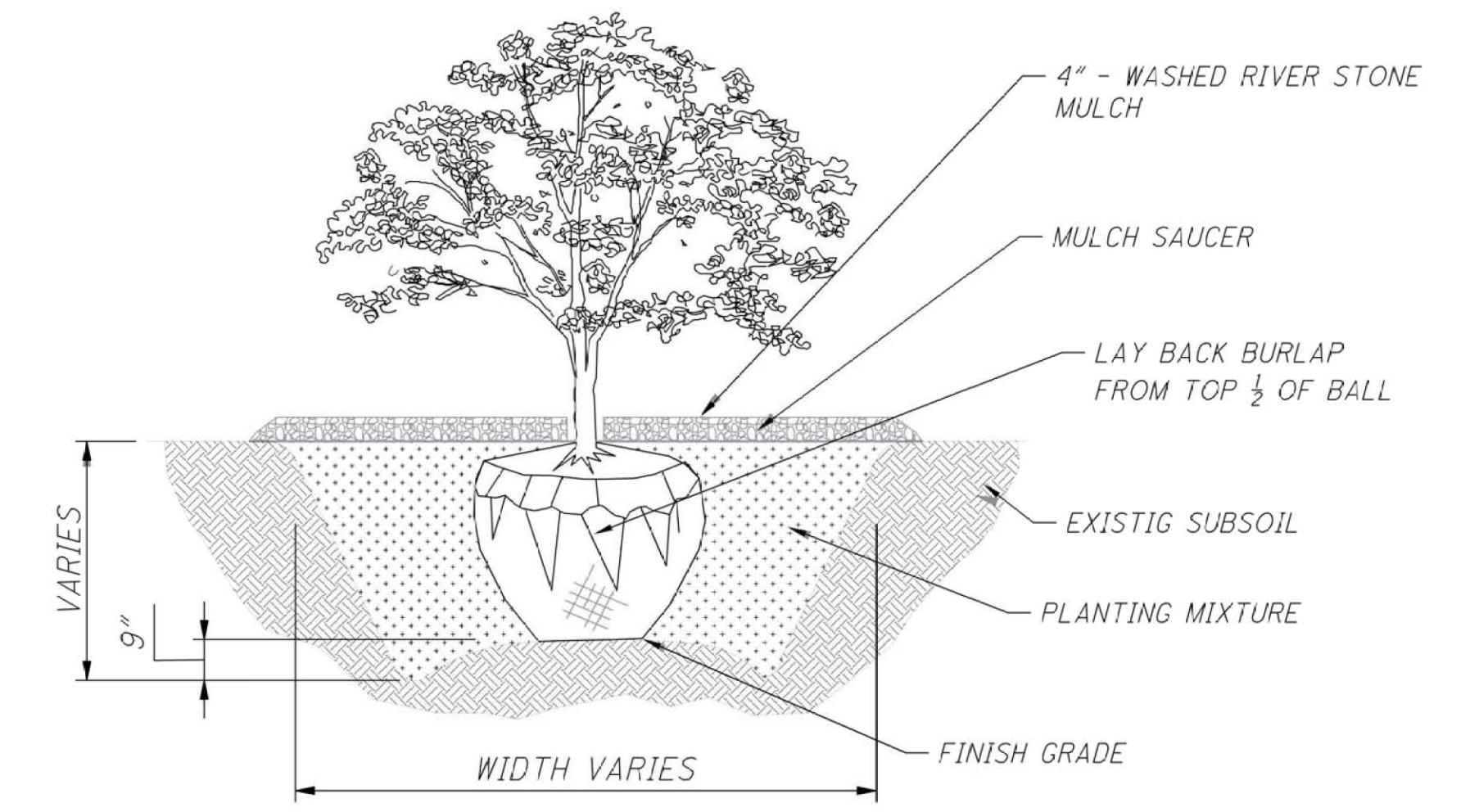
LEGEND

- (CW) ITEM 643 - SOLID WHITE CROSS WALK 6' APART (8") - 198 FT
- (DY) ITEM 646 - CENTER LINE, TYPE A - (702 FT) 0.14 Mi.
- (DW) ITEM 646 - DOTTED LINE, (8") - 92 FT
- (EW) ITEM 646 - EDGE LINE, 4", TYPE A (WHITE) - (76 FT) 0.02 Mi.
- (EY) ITEM 646 - EDGE LINE, 4", TYPE A (YELLOW) - (354 FT) 0.07 Mi.
- (TY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW) (12") SPACE AT 5' C/C - 135 L.F.
- ▼▼▼▼ ITEM 646 - PAVEMENT MARKING MISC.: YIELD LINE - 40 FT

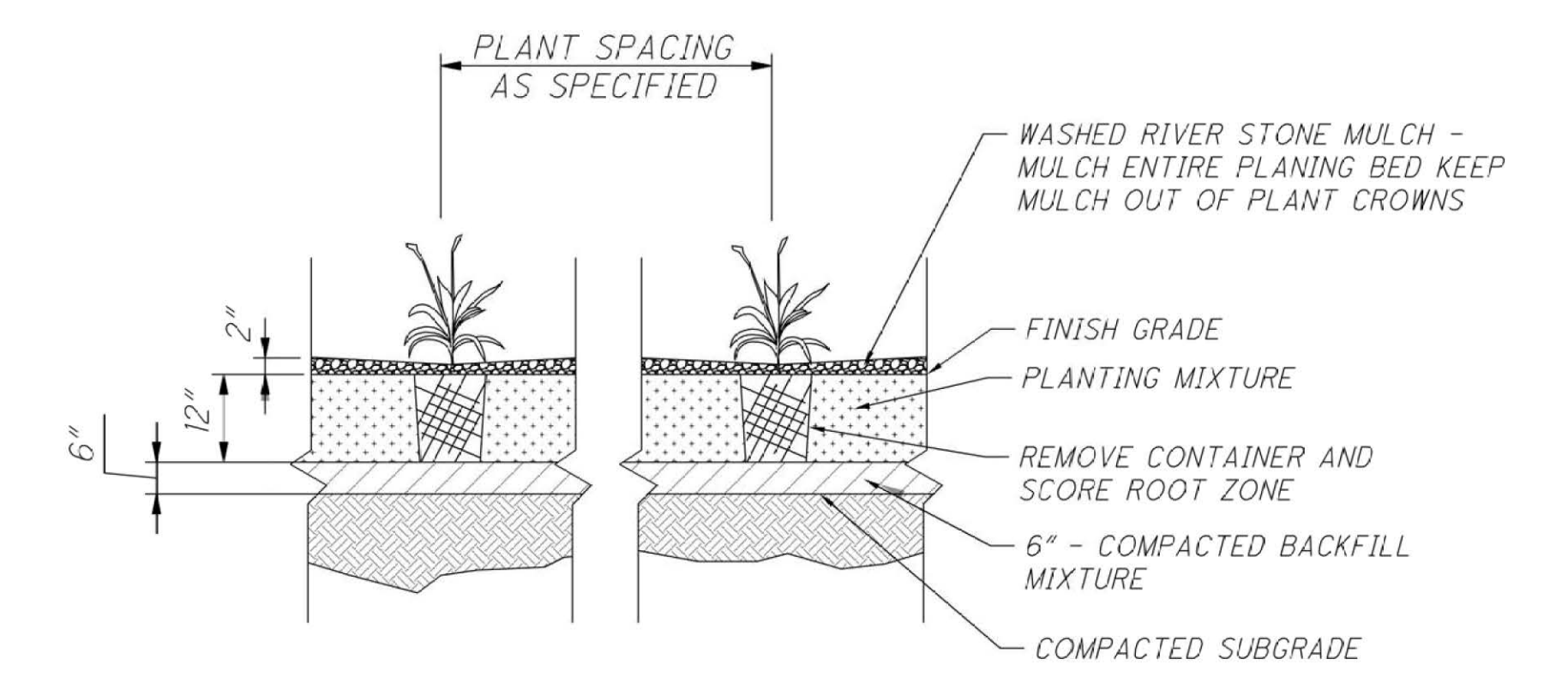
LOGG:	
DESIGNER	FW
REVIEWER / DATE	AP 7/2025
PROJECT ID	00s108/120493
SHT NO.	TOTAL
48	49



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



ORNAMENTAL GRASS/PERENNIAL BED PLANTING DETAIL

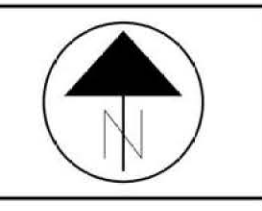
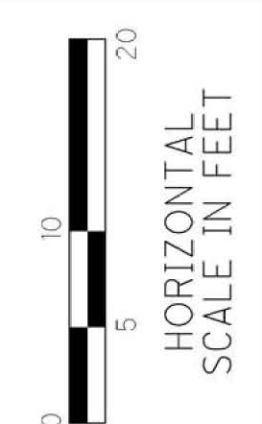
LEGEND
 DECORATIVE REINFORCED CONCRETE PAVEMENT

PLANT MATERIALS LIST

QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	SPACING	REMARKS	ITEMS CARRIED TO GENERAL SUMMARY
4	ZELKOVA S. 'GREEN VASE'	GREEN VASE ZELKOVA	3" CAL.	B & B	SEE PLANS	MATCH HEIGHTS	661-DICIDUOUS TREE, 3" CA, ZELKOVA S. 'GREEN VASE'
1	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER		NO. 3 CONT.	4' O.C.		661-EVERTREE TREE, NO. 3, SEA GREEN JUNIPER
2	PEROVSKIA ATRIPLICIFOLIA 'FLIGRIN'	RUSSIAN SAGE		NO. 1 CONT.	3' O.C.		661-PERENINIALS, NO. 1, RUSSIAN SAGE
3	NEPETA FAASSENII 'WALKERS LOW'	WALKERS LOW CATMINT		NO. 1 CONT.	3' O.C.		661-PERENINIALS, NO. 1, WALKERS LOW CATMINT
4	HEMEROCALLIS 'HAPPY RETURNS'	HAPPEY RETURNS DAYLILY		NO. 1 CONT.	3' O.C.		661-PERENINIALS, NO. 1, HAPPY RETURNS DAYLILY
5	ACHILLEA MILLEFOLIUM	COMBINATION OF COLORS OF YARROW		NO. 1 CONT.	3' O.C.		661-PERENINIALS, NO. 1, COMBINATION OF COLORS OF YARROW
6	RUDBECKIA HIRTA	BLACKED EYED SUSAN		NO. 1 CONT.	3' O.C.		661-PERENINIALS, NO. 1, BLACK EYED SUSAN
7	MISCANTHUS SINENSIS 'ADAGIO'	ADIGIO MAIDEN GRASS		NO. 2 CONT.	4' O.C.		661-PERENINIALS, NO. 2 ADIGIO MAIDEN GRASS
26							681-MULCH AS PER PLAN
1200							662-LANDSCAPE WATERING

- NOTES:
- FOR PLANT AND PLANTING SPECIFICATIONS SEE ODOT ITEM 661 AND 662 IN THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. EXCEPTION: ITEM 611.11 - (LANDSCAPE MULCH) - SUBSTITUTE BARK AND SHREDDED WOOD MULCH WITH NO 57 SIZE WASHED RIVER STONE.
 - FOR CONTAINER-GROWN SHRUBS, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
 - INCORPORATE COMMERCIALY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT AT RATES SPECIFIED BY THE MANUFACTURER
 - PLANTS SHALL BE WATER IMMEDIATELY FOLLOWING PLANTING.
 - PLANTINGS SHALL BE SPACED TO AVOID CASTINGS IN CENTER ISLAND

ITEM 661 - MULCH, AS PER PLAN
 THIS ITEM SHALL MEET ALL THE REQUIREMENTS OF 611.11, EXCEPT THE MULCH MATERIAL SHALL BE WASHED RIVER STONE



Main Ave W & Tremont Ave SW Roundabout
 Main Ave W - Plan and Profile Sta. 24+00 to Sta. 28+00
 City of Massillon
 Stark County, Ohio

LOGG:



DESIGNER
 FFW

REVIEWER / DATE
 AP 7/2025

PROJECT ID
 00s108/120493

SHT NO. TOTAL
 49 49