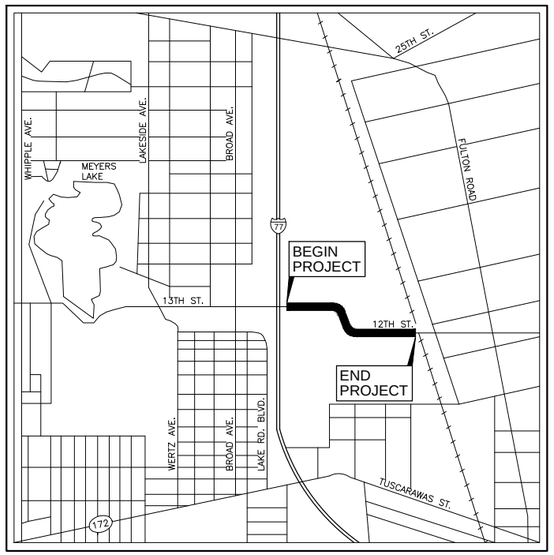
12TH STREET NW BRIDGES REPLACEMENT

CITY OF CANTON
STARK COUNTY
OHIO



LOCATION MAP

SCALE IN FEET

0 4000 8000 1200 1600

PORTION TO BE IMPROVED _____

OTHER ROADS _____

INDEX OF SHEETS:

TITLE SHEET
SCHEMATIC PLAN
TYPICAL SECTIONS
PLAN
PROFILE
CROSS SECTIONS
CANTON PARKS WATERWORKS RACEWAY
NIMISHILLEN CREEK BRIDGE PLANS

PROJECT DESCRIPTION

ROADWAY IMPROVEMENTS OF 12TH STREET NW FROM THE MERCY DRIVE/I–77 RAMPS TO MONUMENT DRIVE, A DISTANCE OF APPROXIMATELY 2,100 FEET, INCLUDING NEW PAVEMENT, SIDEWALKS, STORM SEWER, AND STREETSCAPING. THE IMPROVEMENTS WILL ALSO INCLUDE THE REPLACEMENT OF THE BRIDGES OVER NIMISHILLEN CREEK AND CANTON PARKS WATERWORKS RACEWAY, AND IMPROVEMENTS TO THE MULTI–USE TRAIL.

MEMBERS OF COUNCIL

(NAME) _____ (POSITION)

CITY OF CANTON CITY OFFICIALS 2013

WILLIAM J. HEALY II — MAYOR
WARREN PRICE — DIRECTOR, PUBLIC SERVICE
KEVIN MONROE — SUPERINTENDENT, STREETS
DAN MOEGLIN, P.E., S.I. — CITY ENGINEER

DESIGN DESIGNATION

CURRENT ADT (2015)	10,320
DESIGN YEAR ADT (2035)	10,690
DESIGN HOURLY VOLUME (2035)	970
DIRECTIONAL DISTRIBUTION	52/48
TRUCK (24 HOUR B AND C)	4%
K VALUE	9.1%
DESIGN SPEED	35 MPH
LEGAL SPEED	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA = X.XX AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = X.XX AC.
NOTICE OF INTENT EARTH DISTURBED AREA = X.XX AC.

DESIGN EXCEPTIONS

HORIZONTAL ALIGNMENT

PLANS PREPARED BY:

ARCADIS

ARCADIS U.S., Inc.
222 South Main Street, Suite 300
Akron, Ohio 44308
Tel: 330–434–1995 Fax: 330–374–1095
www.arcadis–us.com

UNDERGROUND UTILITIES
2 WORKING DAYS
BEFORE YOU DIG
1–800–362–2764
OHIO UTILITIES PROTECTION SERVICE
NON–MEMBERS MUST BE CALLED DIRECTLY
1–800–925–0988
OIL & GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE

Engineer's Seal

ENGINEER'S SIGNATURE _____ DATE _____

STANDARD CONSTRUCTION DRAWINGS			SUPPLEMENTAL SPECIFICATIONS
			SPECIAL PROVISIONS

APPROVED _____
DATE _____ DAN MOEGLIN, P.E., S.I.
CITY ENGINEER
CITY OF CANTON, OHIO

FEDERAL PROJECT NO.

PID NO. 90671

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
AKRON METRO

12TH STREET NW
BRIDGES REPLACEMENT

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STA. 50+00.00
PROP. ℄ CONST. 12TH ST. NW =
STA. 50+01.57, 11.50' LT.
EXIST. ℄ R/W 12TH ST. NW

PROP. ℄ CONST. 12TH ST. NW

S88° 01' 30"E

51+00 52+00 53+00 54+00 55+00 56+00

51+00 52+00 53+00 54+00 55+00 56+00 S88° 01' 30"E

EXIST. ℄ R/W 12TH ST. NW

BEGIN PROJECT
STA. 50+00.00

PC STA. 56+75.31

PC STA. 56+49.71

57+00 57+00

1 CURVE DATA
R = 155.00'
L = 203.44'
Δ = 75°12'10" RT.

PT STA. 57+71.46

58+00 58+00

PT STA. 58+53.15

S18° 16' 13"E

S12° 49' 21"E

59+00 59+00

1 EXIST. R/W CURVE DATA
R = 78.97'
L = 96.15'
Δ = 69°45'36" RT.

60+00 PC STA. 60+05.15

PC STA. 60+55.16

60+00 61+00 61+00

2 CURVE DATA
R = 370.00'
L = 482.71'
Δ = 74°44'55" LT.

62+00 62+00 2

2 EXIST. R/W CURVE DATA
R = 318.28'
L = 384.96'
Δ = 69°18'01" LT.

63+00 63+00

64+00 64+00 PT STA. 64+40.13

PT STA. 64+87.85

65+00 65+00

S87° 34' 13"E 66+00 67+00 68+00 69+00 70+00

S87° 34' 13"E

℄ CONST. & R/W
12TH ST. NW

A STA. 67+50.64 ℄ CONST. 12TH ST. NW =
STA. 4+26.84 ℄ CONST. STADIUM PARK DR. NW

B STA. 68+72.25 ℄ CONST. 12TH ST. NW =
STA. 4+58.33 ℄ CONST. MULTI-PURPOSE TRAIL

10 TRAIL CURVE DATA
R = 922.50'
L = 65.38'
Δ = 4°03'40" RT.

9 TRAIL CURVE DATA
R = 200.00'
L = 35.95'
Δ = 10°17'54" LT.

8 TRAIL CURVE DATA
R = 60.00'
L = 55.27'
Δ = 52°46'49" LT.

7 TRAIL CURVE DATA
R = 60.00'
L = 67.69'
Δ = 64°38'28" LT.

POC STA. 12+52.89

10 12+00 9 END WORK STA. 12+18.00

PRC STA. 11+87.50

PC STA. 11+51.55

N16° 17' 40"W

PC STA. 10+29.15

11+00

PT STA. 10+84.43

8 N69° 04' 28"W 10+00

PT STA. 9+33.43

9+00 7

PC STA. 8+65.74

℄ CONST. MULTI-PURPOSE TRAIL

POC STA. 8+57.86

8+00 12

12 CURVE DATA
R = 336.06'
L = 152.87'
Δ = 26°03'51" LT.

END WORK STA. 7+25.00

PC STA. 7+04.99

7+00

℄ CONST. STADIUM PARK DR. NW

N00° 51' 40"W

6 TRAIL CURVE DATA
R = 100.00'
L = 52.27'
Δ = 29°56'49" LT.

5 TRAIL CURVE DATA
R = 100.00'
L = 75.20'
Δ = 43°05'02" RT.

8+00 N04° 26' 00"W 7+00

PT STA. 6+45.67

6+00 6 6+00

PRC STA. 5+93.41

5

PT STA. 5+17.62

5+00

PC STA. 5+18.21

END PROJECT
STA. 70+30.48

N17° 34' 13"W

70°00'03"

5+00

4+00 A 4+00 68+00 72°50'27" (ON TAN.) B 69+00 70+00

PT STA. 4+20.90

4 4+00 PC STA. 3+97.95

11

11 CURVE DATA
R = 375.00'
L = 252.33'
Δ = 38°33'11" RT.

3+00 3+00

N39° 29' 09"W

PT STA. 1+90.55

PC STA. 2+65.29

BEGIN WORK STA. 2+00.00

2+00 2+00

BEGIN WORK STA. 1+68.00

N39° 24' 51"W

1+00 1+00 3

4 TRAIL CURVE DATA
R = 60.00'
L = 22.95'
Δ = 21°54'55" RT.

3 TRAIL CURVE DATA
R = 300.00'
L = 110.72'
Δ = 21°08'43" LT.

PC STA. 0+79.83

N18° 20' 26"W

0+00

HORIZONTAL SCALE
1" = 60 FEET
0 30 60 120

CALCULATED: I CHECKED: I

SCHEMATIC PLAN

12TH STREET NW BRIDGES REPLACEMENT

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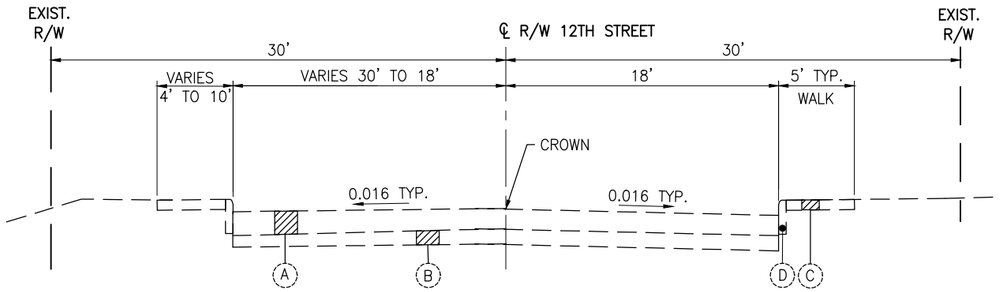
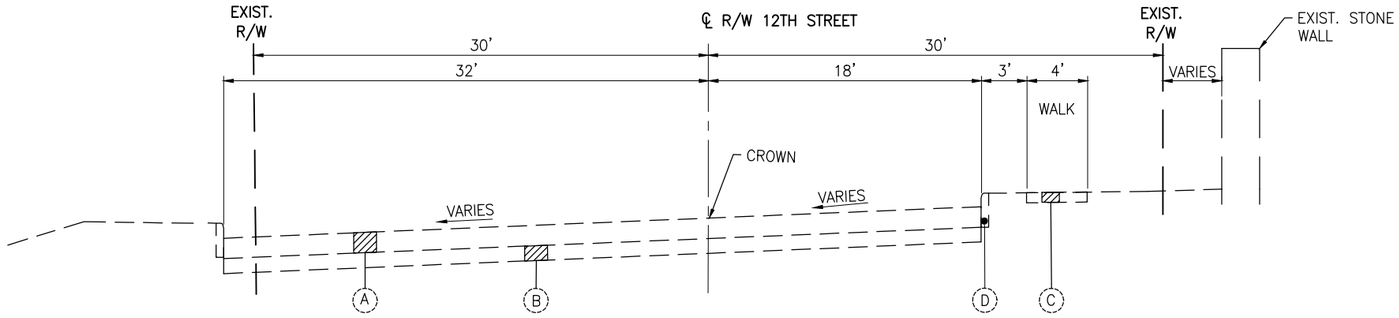


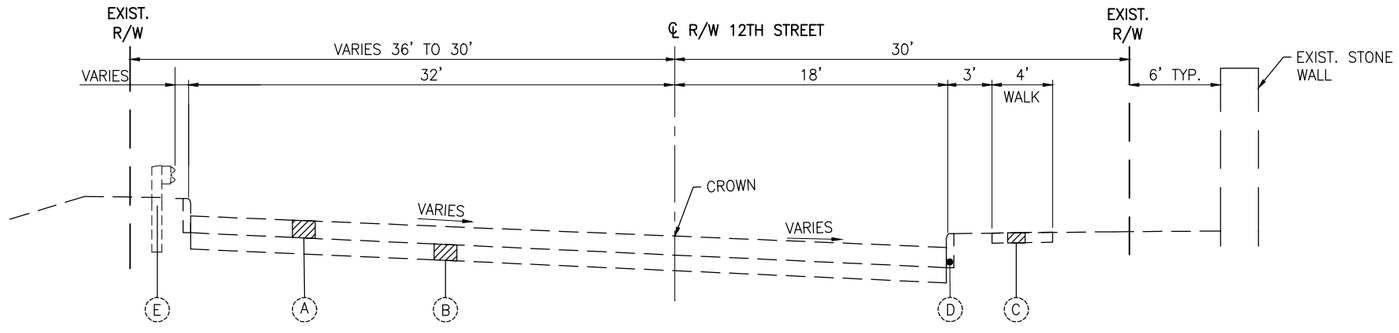
EXISTING TYPICAL SECTION

12TH STREET: STA. 63+00 TO STA. 70+30



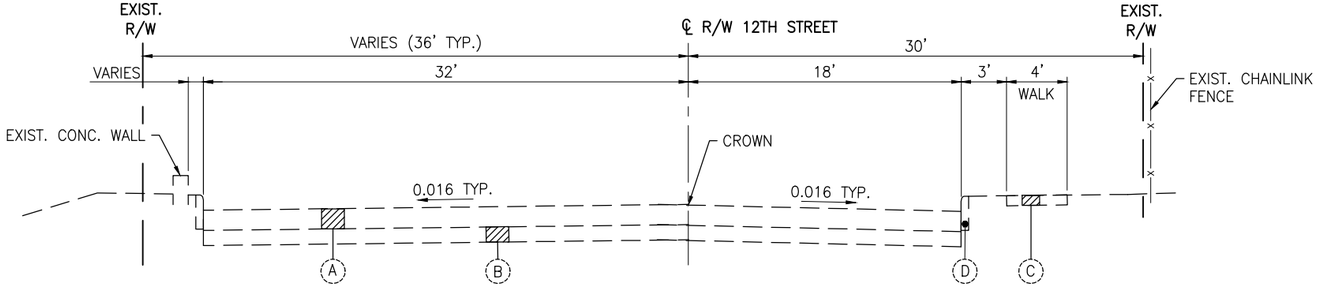
EXISTING TYPICAL SECTION

12TH STREET: STA. 59+50 TO STA. 63+00



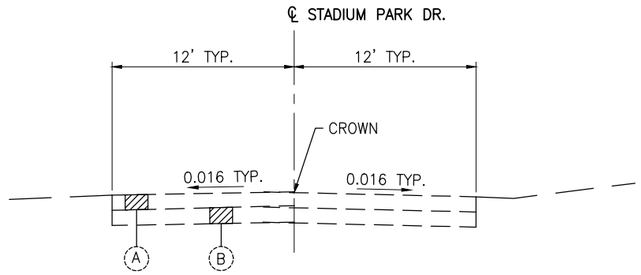
EXISTING TYPICAL SECTION

12TH STREET: STA. 56+00 TO STA. 59+50



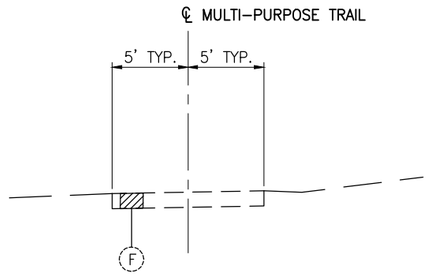
EXISTING TYPICAL SECTION

12TH STREET: STA. 50+00 TO STA. 56+00



EXISTING TYPICAL SECTION

STADIUM PARK DR.: STA. 2+00 TO STA. 7+25



EXISTING TYPICAL SECTION

LEGEND

- (A) ASPHALT CONCRETE
- (B) SUBBASE
- (C) SIDEWALK
- (D) CONCRETE CURB
- (E) GUARDRAIL
- (F) ASPHALT

NOTE TO REVIEWER:
- RECORD PLANS AND PAVEMENT BORING INFORMATION WAS NOT USED FOR THE PRELIMINARY REPORT.
- ALL DIMENSIONS ARE APPROXIMATE.

CALCULATED: -
CHECKED: -

EXISTING TYPICAL SECTIONS

12TH STREET NW
BRIDGES REPLACEMENT

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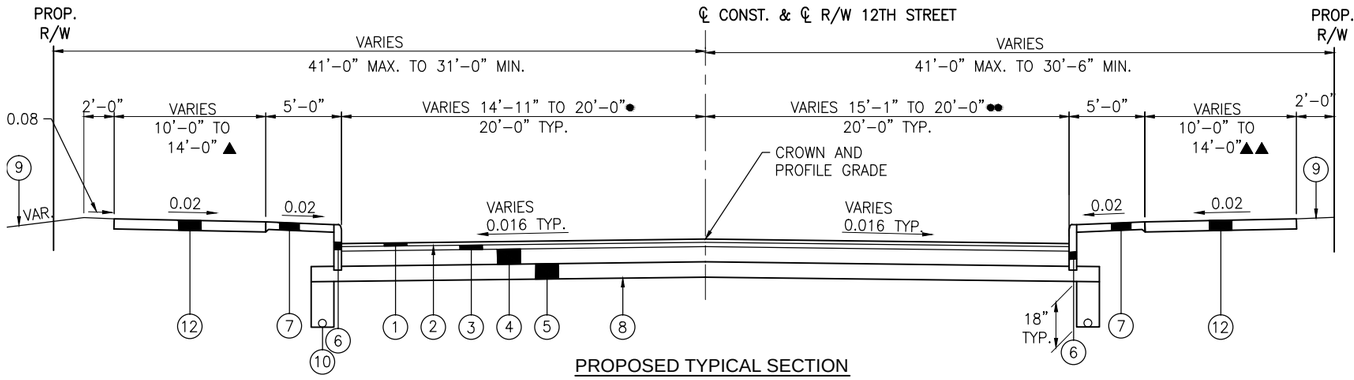


PROPOSED TYPICAL SECTION

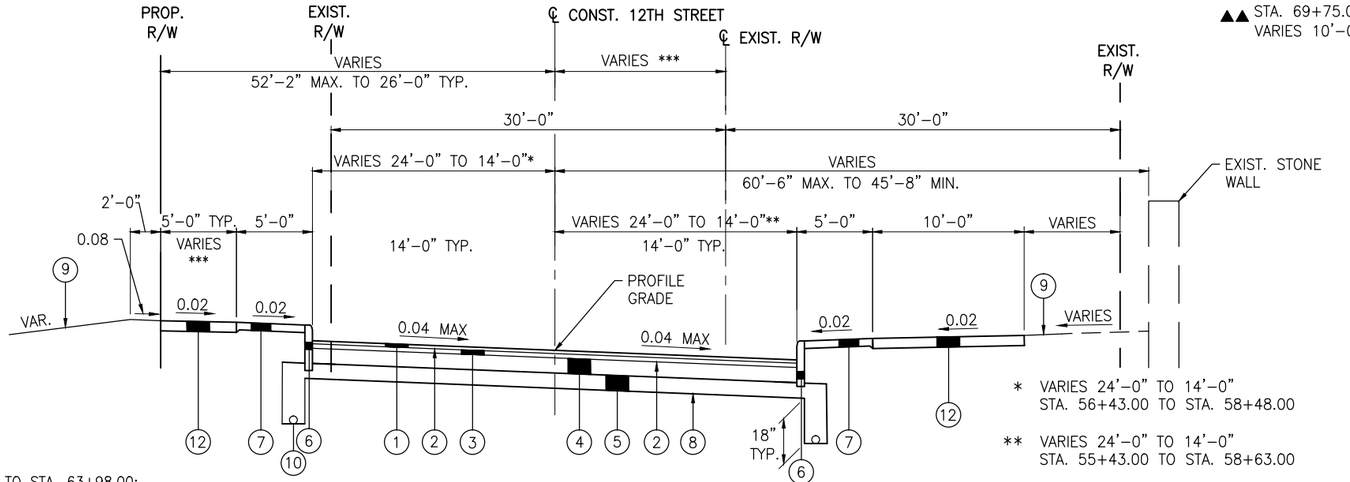
12TH STREET: STA. 65+07.94 TO STA. 67+77.67
12TH STREET: STA. 69+11.83 TO 70+30.48

● STA. 65+07.94 TO STA. 66+25.00
VARIES 14'–11" TO 20'–0"

●● STA. 65+07.94 TO STA. 66+00.00
VARIES 15'–1" TO 20'–0"

▲ STA. 69+75.00 TO STA. 69+90.00
VARIES 10'–0" TO 14'–0"

▲▲ STA. 69+75.00 TO STA. 69+90.00
VARIES 10'–0" TO 14'–0"



*** STA. 63+75.00 TO STA. 63+98.00:
VARIES 5'–0" TO 10'–0"
STA. 63+98.00 TO (APPROACH SLAB): 10'–0"

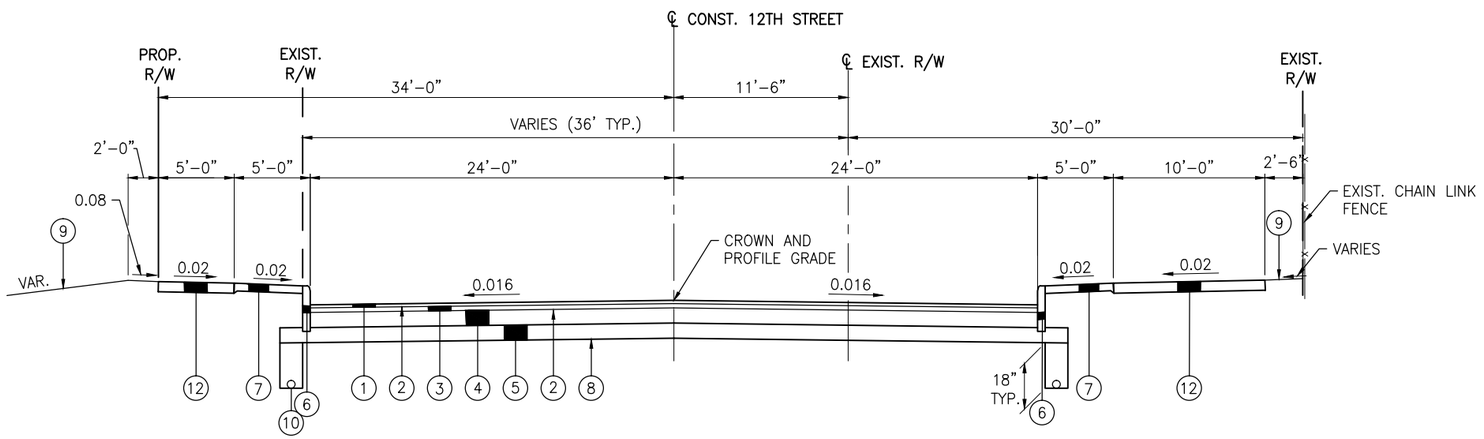
* VARIES 24'–0" TO 14'–0"
STA. 56+43.00 TO STA. 58+48.00

** VARIES 24'–0" TO 14'–0"
STA. 55+43.00 TO STA. 58+63.00

*** VARIES 11'–6" TO 33'–6"
STA. 55+43.00 TO SAT. 59+29.15
23'–0" TO 6'–3"
STA. 59+29.15 TO STA. 64+19.58

PROPOSED TYPICAL SECTION

12TH STREET: STA. 55+43 TO STA. 59+29.15 (SUPERELEVATION 0.04 MAX RT.)
12TH STREET: STA. 59+29.15 TO 64+19.58 (SUPERELEVATION 0.04 MAX LT.)



PROPOSED TYPICAL SECTION

12TH STREET: STA. 50+00 TO STA. 55+43

LEGEND

1. ITEM 448 – 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64–22
2. ITEM 407 – TACK COAT FOR INTERMEDIATE COURSE (0.04 GAL/S.Y.)
3. ITEM 448 – 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64–22
4. ITEM 301 – 6" ASPHALT CONCRETE BASE, PG64–22
5. ITEM 304 – 6" AGGREGATE BASE
6. ITEM 609 – CURB, TYPE 6
7. ITEM SPECIAL – STREETSCAPE
8. ITEM 204 – SUBGRADE COMPACTION
9. ITEM 659 – SEEDING AND MULCHING
10. ITEM 605 – 6" BASE PIPE UNDERDRAINS
11. ITEM 609 – GUARDRAIL, TYPE 5
12. ITEM 608 – 4" CONCRETE WALK
13. ITEM 526 – REINFORCED CONCRETE APPROACH SLAB
14. ITEM xxx – TREATED SHOULDER
15. ITEM 301 – 3" ASPHALT CONCRETE BASE, PG64–22
16. ITEM 304 – 6" AGGREGATE BASE
17. ITEM xxx – ROADWAY MISC.: RUBBER WALKING SURFACE (3" THICK)

CALCULATED: –
CHECKED: –

PROPOSED TYPICAL SECTIONS

12TH STREET NW
BRIDGES REPLACEMENT

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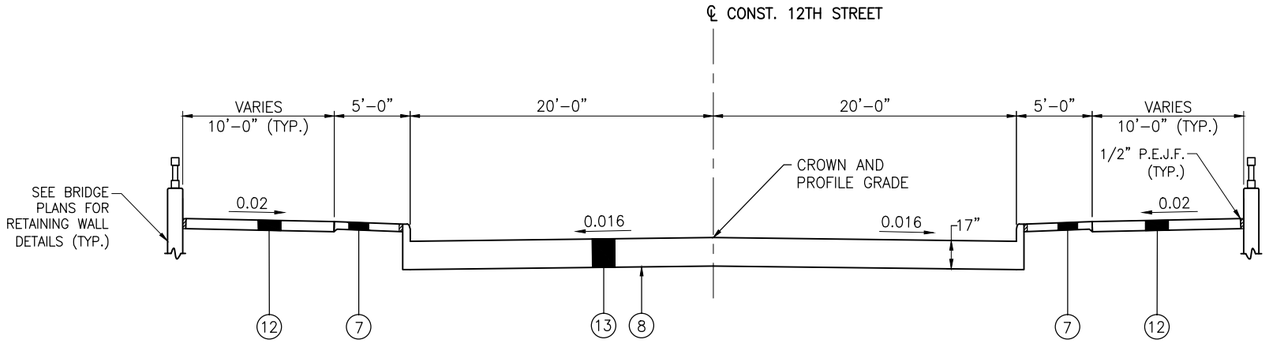
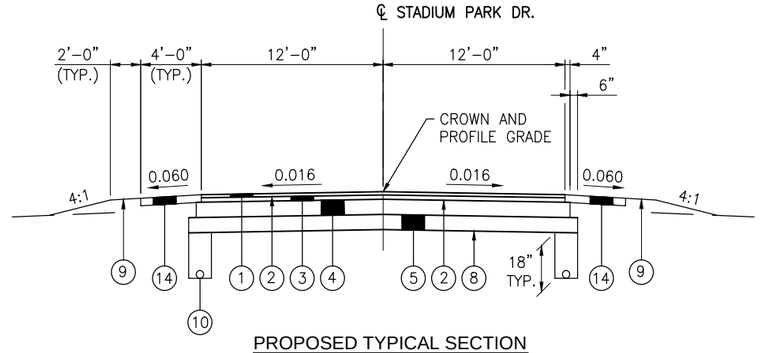


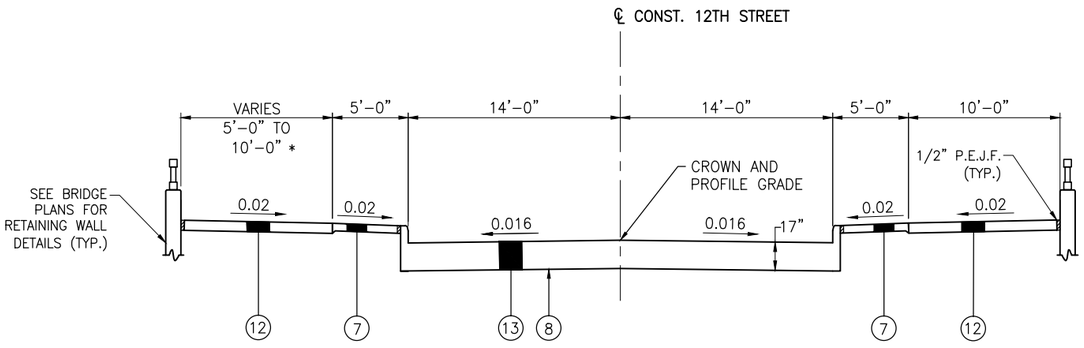
PROPOSED APPROACH SLAB TYPICAL SECTION

12TH STREET: STA. 67+77.83 TO STA. 68+07.83
12TH STREET: STA. 68+81.75 TO STA. 69+11.75



PROPOSED TYPICAL SECTION

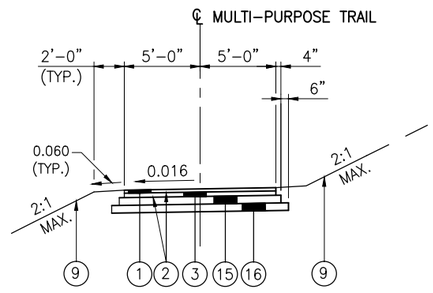
STADIUM PARK DR.: STA. 2+00 TO STA. 7+50



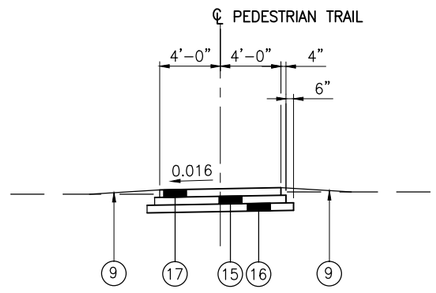
* FROM STA. 63+75.00 TO STA. 64+00.00

PROPOSED APPROACH SLAB TYPICAL SECTION

12TH STREET: STA. 64+14.58 TO STA. 64+44.58
12TH STREET: STA. 64+82.94 TO STA. 65+12.94



PROPOSED TYPICAL SECTION



PROPOSED TYPICAL SECTION

CALCULATED: –
CHECKED: –

PROPOSED TYPICAL SECTIONS

12TH STREET NW
BRIDGES REPLACEMENT

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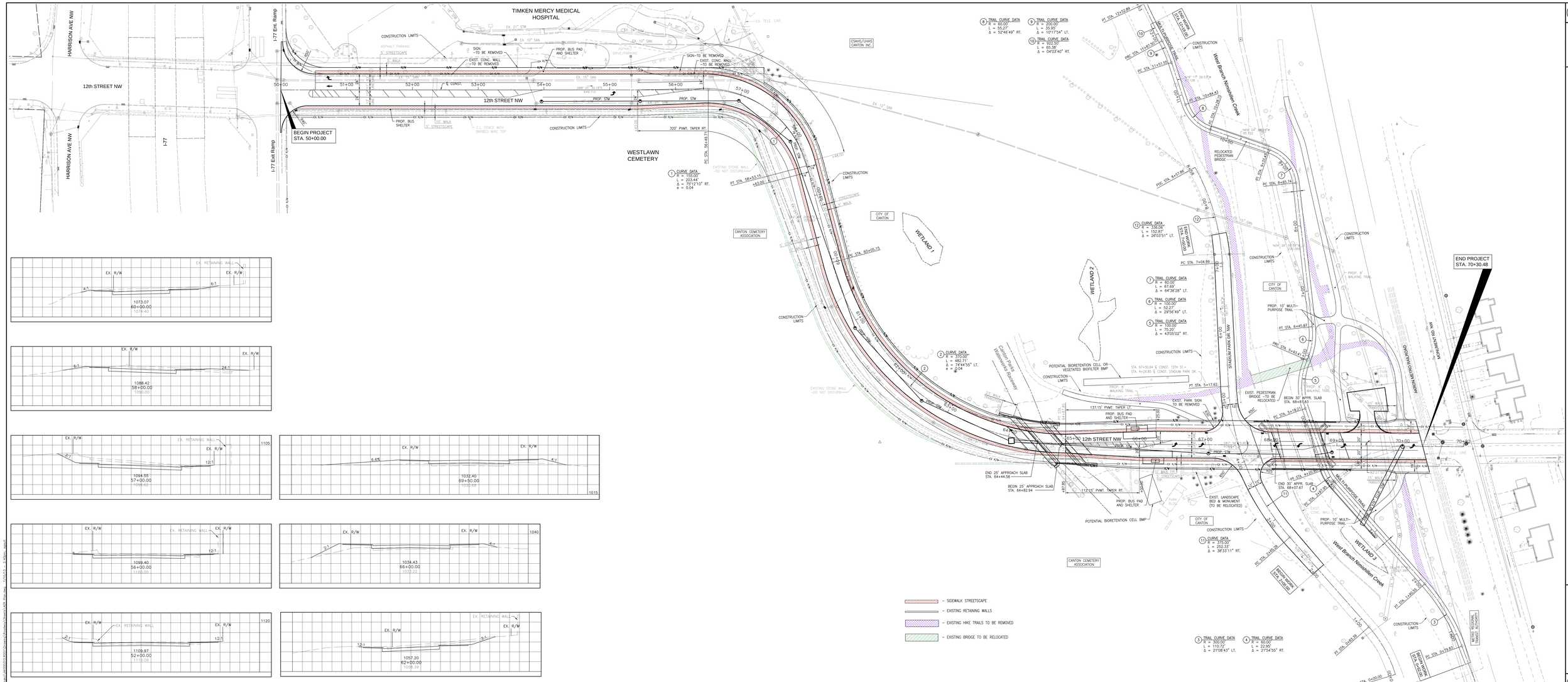
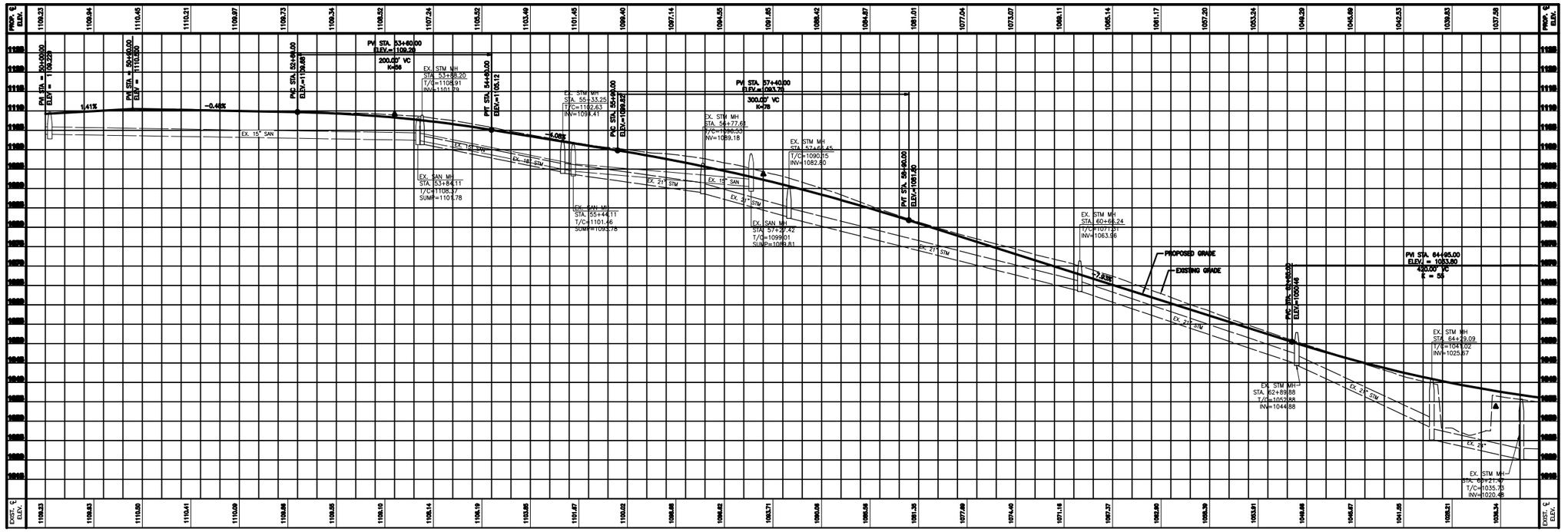
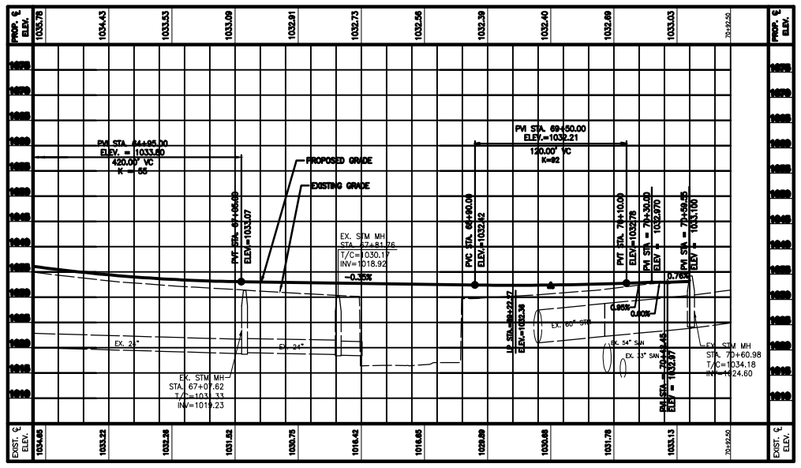

HARRISON AVE NW
12th STREET NW
I-77
I-77 Exit Ramp
I-77 Entr. Ramp
TIMKEN MERCY MEDICAL HOSPITAL
CSAHS/UHHS CANTON INC.
WESTLAWN CEMETERY
CANTON CEMETERY ASSOCIATION
CITY OF CANTON
WETLAND 1
WETLAND 2
WETLAND 3
West Branch Nimishillen Creek
BEGIN PROJECT STA. 50+00.00
END PROJECT STA. 70+30.48
CONSTRUCTION LIMITS
PROP. BUS PAD AND SHELTER
PROP. BUS SHELTER
EXIST. CONC. WALL TO BE REMOVED
SIGN TO BE REMOVED
EXIST. PARK SIGN TO BE REMOVED
EXIST. LANDSCAPE BED & MONUMENT (TO BE RELOCATED)
EXIST. PEDESTRIAN BRIDGE TO BE RELOCATED
RELOCATED PEDESTRIAN BRIDGE
PROP. 10' MULTI-PURPOSE TRAIL
PROP. 8' WALKING TRAIL
POTENTIAL BIORETENTION CELL OR VEGETATED BIOFILTER BMP
POTENTIAL BIORETENTION CELL BMP
320' PVMT. TAPER RT.
137.15' PVMT. TAPER LT.
112.15' PVMT. TAPER RT.
END 25' APPROACH SLAB STA. 64+44.58
BEGIN 25' APPROACH SLAB STA. 64+82.94
END 30' APPR. SLAB STA. 68+07.63
BEGIN 30' APPR. SLAB STA. 68+81.63
STADIUM PARK DR. NW
NORTHWOOD DRIVE NW
1 CURVE DATA R = 735.00' L = 203.44' Δ = 76°12'10" RT. e = 0.04
2 CURVE DATA R = 770.00' L = 460.71' Δ = 74°44'55" LT. e = 0.04
3 TRAIL CURVE DATA R = 300.00' L = 110.72' Δ = 21°08'43" LT.
4 TRAIL CURVE DATA R = 60.00' L = 22.95' Δ = 21°54'55" RT.
5 TRAIL CURVE DATA R = 100.00' L = 75.20' Δ = 43°05'02" RT.
6 TRAIL CURVE DATA R = 100.00' L = 52.27' Δ = 29°56'49" LT.
7 TRAIL CURVE DATA R = 60.00' L = 67.69' Δ = 64°38'28" LT.
8 TRAIL CURVE DATA R = 60.00' L = 55.27' Δ = 52°46'49" RT.
9 TRAIL CURVE DATA R = 200.00' L = 35.95' Δ = 10°17'54" LT.
10 TRAIL CURVE DATA R = 922.50' L = 60.38' Δ = 04°03'40" RT.
11 CURVE DATA R = 375.00' L = 252.33' Δ = 38°33'11" RT.
12 CURVE DATA R = 536.00' L = 152.87' Δ = 26°03'51" LT.
1073.07 60+00.00 1078.40
1088.42 58+00.00 1098.00
1094.55 57+00.00 1099.62
1032.40 69+50.00 1035.09
1099.40 56+00.00 1100.00
1034.43 66+00.00 1033.22
1109.97 52+00.00 1110.09
1057.20 62+00.00 1058.39
6:1
4:1
12:1
6.67%
- SIDEWALK STREETSCAPE
- EXISTING RETAINING WALLS
- EXISTING HIKE TRAILS TO BE REMOVED
- EXISTING BRIDGE TO BE RELOCATED
HORIZONTAL SCALE 1" = 50' STEP
PRELIMINARY ROADWAY PLAN
12TH STREET NW BRIDGES REPLACEMENT



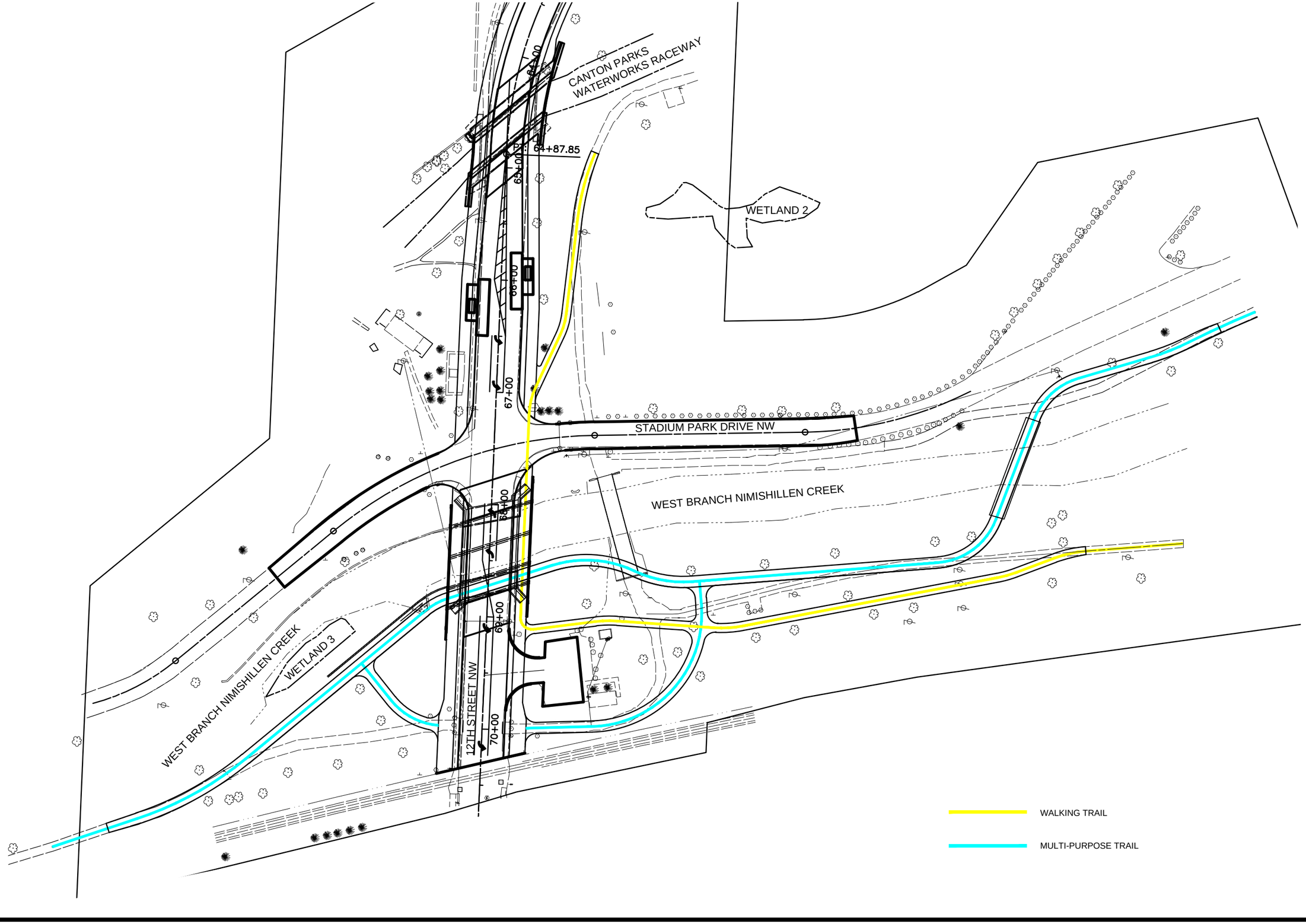
PROFILE ALONG ℄ CONSTRUCTION



PROFILE ALONG ℄ CONSTRUCTION

12TH ST. PROFILE

12TH STREET NW
BRIDGES REPLACEMENT



HORIZONTAL SCALE
1" = 40 FEET

MULTI-PURPOSE TRAIL - ALTERNATE 3

12TH STREET NW
BRIDGES REPLACEMENT

1

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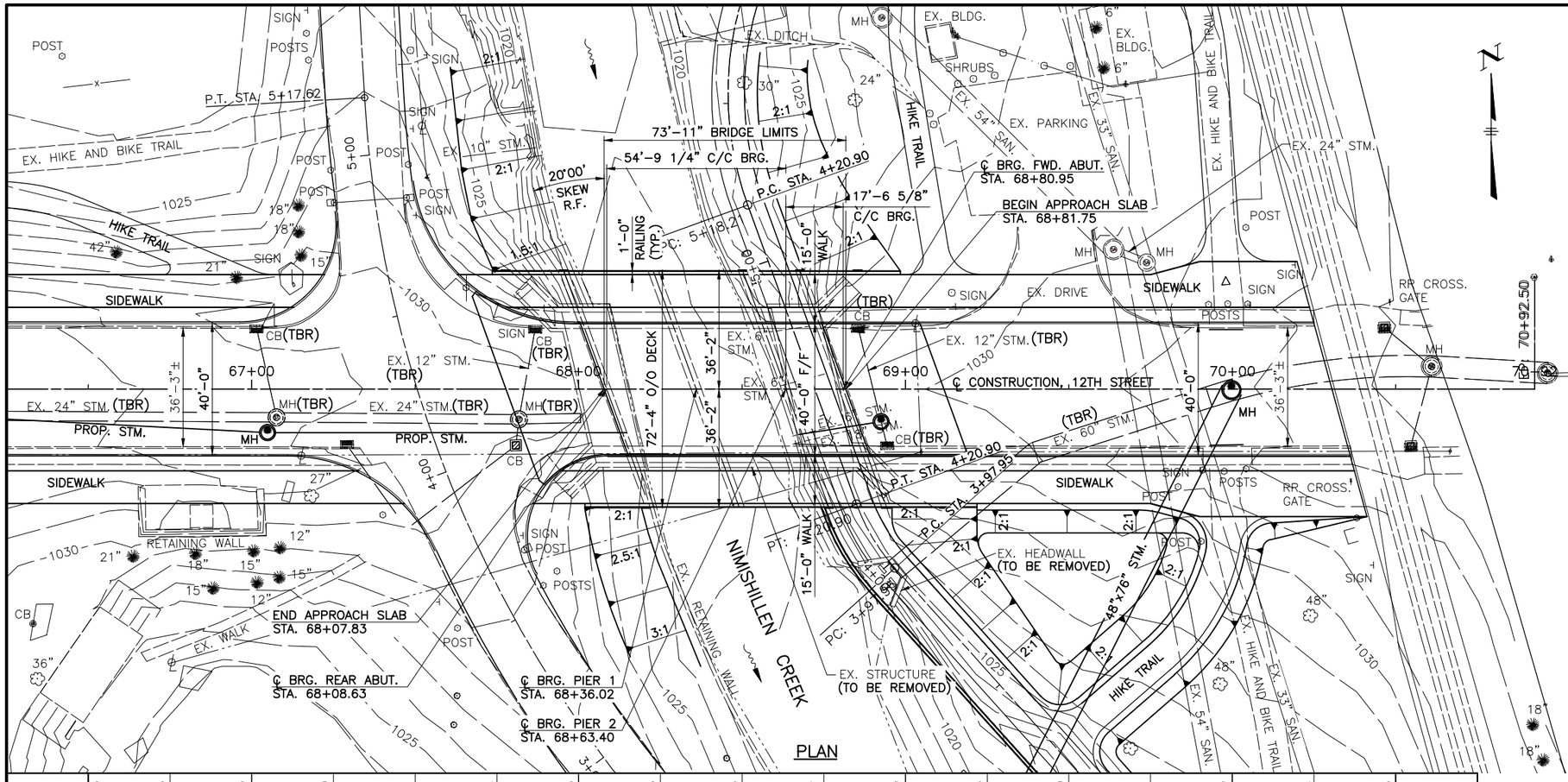
PROFILE ALONG ℄ CONSTRUCTION

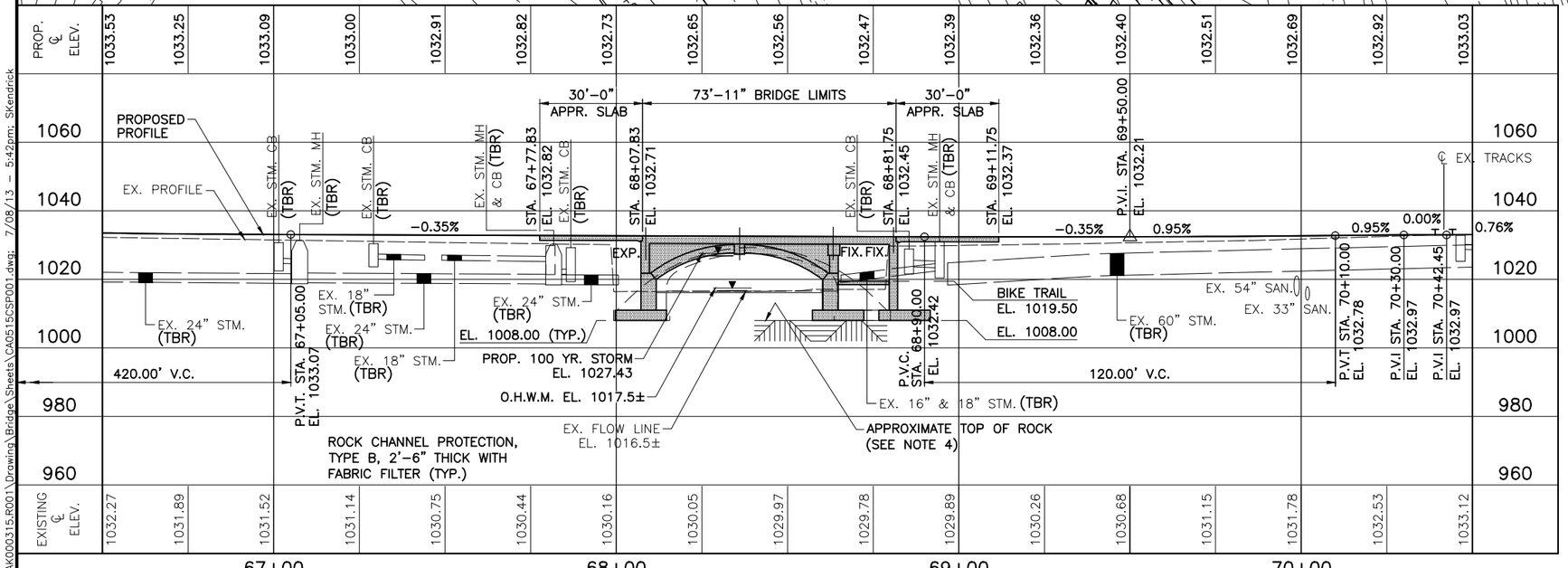
HORIZONTAL SCALE
1" = 50'

ALTERNATE 3 MULTI-PURPOSE TRAIL PROFILE

12TH STREET NW
BRIDGES REPLACEMENT



PLAN



PROFILE ALONG ℄ CONSTRUCTION

NOTES

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
2. FOR STRUCTURAL GENERAL NOTES SEE SHEETS 00 / 00 AND 00 / 00 .
3. THE BOTTOM OF THE SLAB CLEARS THE DESIGN YEAR WATER SURFACE ELEVATION BY 3.95 FEET.
4. APPROXIMATE TOP OF ROCK ELEVATION TAKEN FROM EXISTING PLANS.

LEGEND

(TBR) = TO BE REMOVED

HYDRAULIC DATA

DRAINAGE AREA = 40.4 SQ. MILES
Q25 = 3,099 CFS
Q100 = 4,100 CFS
EX. : 25 YR. ELEV. = 1026.54, V = 10.11 FPS
EX. : 100 YR. ELEV. = 1028.18, V = 13.05 FPS
PROP. : 25 YR. ELEV. = 1026.25, V = 6.08 FPS
PROP. : 100 YR. ELEV. = 1027.43, V = 7.90 FPS
NORMAL WATER SURFACE ELEV. = 1016.2±

DESIGN DESIGNATION

CURRENT ADT (2015):	10,320
DESIGN ADT (2035):	10,690
DESIGN ADTT (2035):	428

EXISTING STRUCTURE

TYPE : REINFORCED CONCRETE FILLED ARCH ON SPREAD FOOTINGS
SPAN: 50'-0"± F/F ARCH
ROADWAY : 36'-0"± TOE/TOE CURB WITH 5'-0"± SIDEWALKS
ALIGNMENT : TANGENT
SKEW : 13°00'00"± R.F.
WEARING SURFACE : 4"± BITUMINOUS ASPHALT CONCRETE
APPROACH SLABS : NONE
BUILT : JULY 1, 1929
CONDITION : POOR
STRUCTURE FILE NO. : 7631324

PROPOSED STRUCTURE

TYPE: TWO-SPAN CONTINUOUS CONCRETE SLAB ON ARCH SUBSTRUCTURE AND WALL TYPE ABUTMENTS AND CAP AND COLUMN PIER ON SPREAD FOOTINGS

SPANS : 27'-4 5/8", 27'-4 5/6" AND 17'-6 5/8" C/C BRGS.
ROADWAY : 40'-0" TOE/TOE SIDEWALKS WITH TWO 15'-0" SIDEWALKS
ALIGNMENT : TANGENT
SKEW : 20° 00'00" R.F.
WEARING SURFACE : 1" MONOLITHIC CONCRETE
APPROACH SLABS : 30'-0" (AS-1-81)
LOADING: HL-93 AND FWS (60 P.S.F.)
CROWN: 0.016 FT./FT.
LONGITUDE: N 81° 23' 30"
LATITUDE: W 40° 48' 36"

DESIGN AGENCY
ARCADIS
ARCADIS U.S., Inc.
222 South Main Street, Suite 300 Akron, Ohio 44308
Tel. 330-434-1995 Fax: 330-374-1095 www.arcadis-us.com

DRAWN	REVIEWED	DATE
CAF	RBB	07/13
DESIGNED	CHECKED	REVISED
NPB	SKK	

STRUCTURE FILE NO. 7636121

STARK COUNTY
STATION 68+07.83
STATION 68+81.75

SITE PLAN
BRIDGE NO. STA M12TH CA-05-15
OVER WEST BRANCH OF NIMISHILLEN CREEK

CITY OF CANTON
12TH STREET NW
BRIDGES REPLACEMENT

1 / 2

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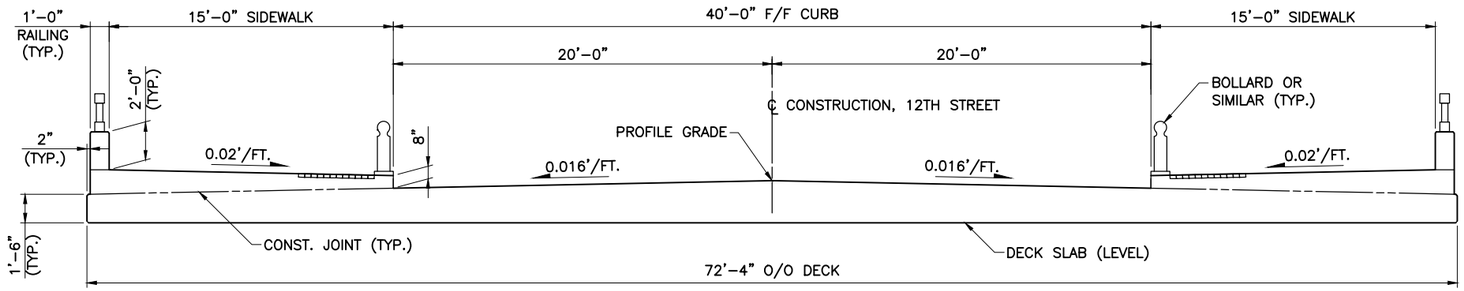
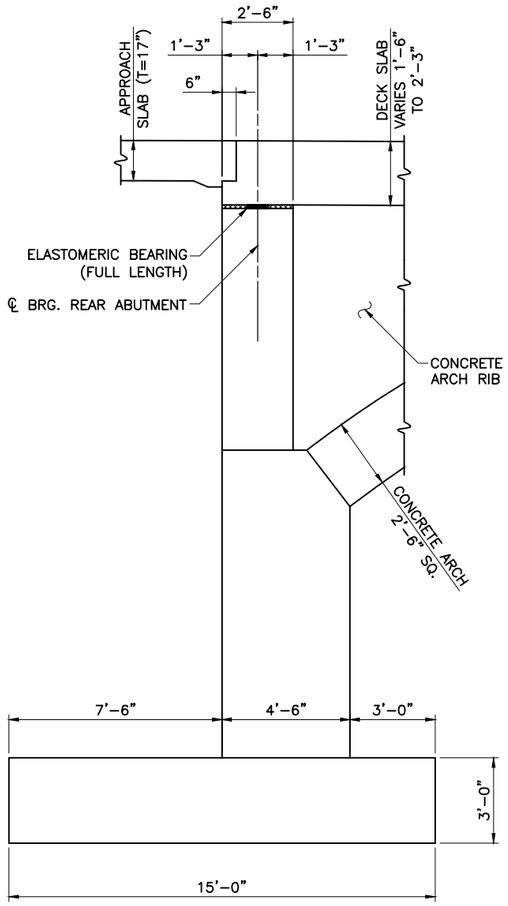
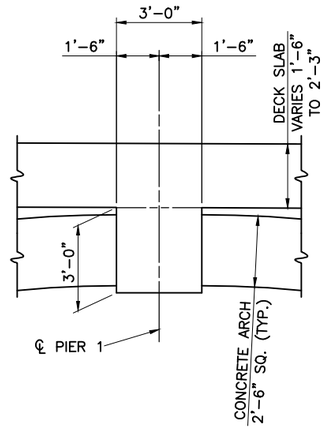


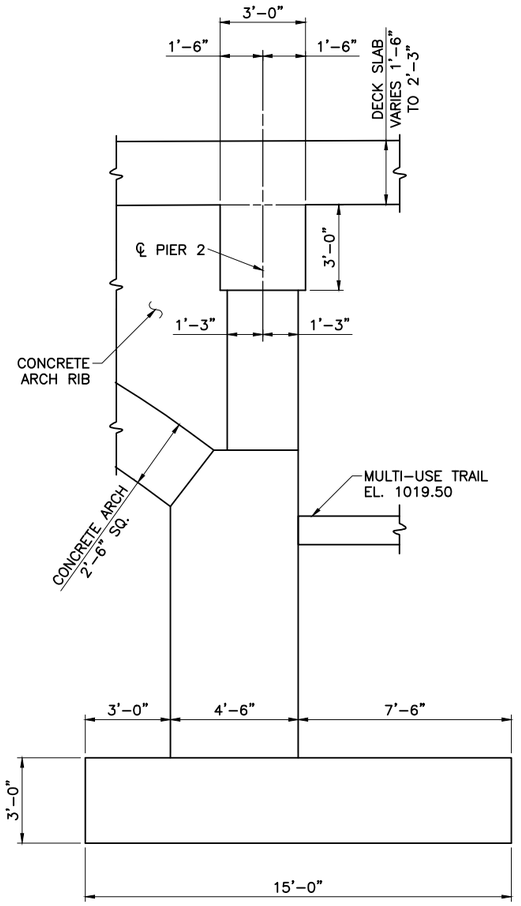
TRANSVERSE SECTION



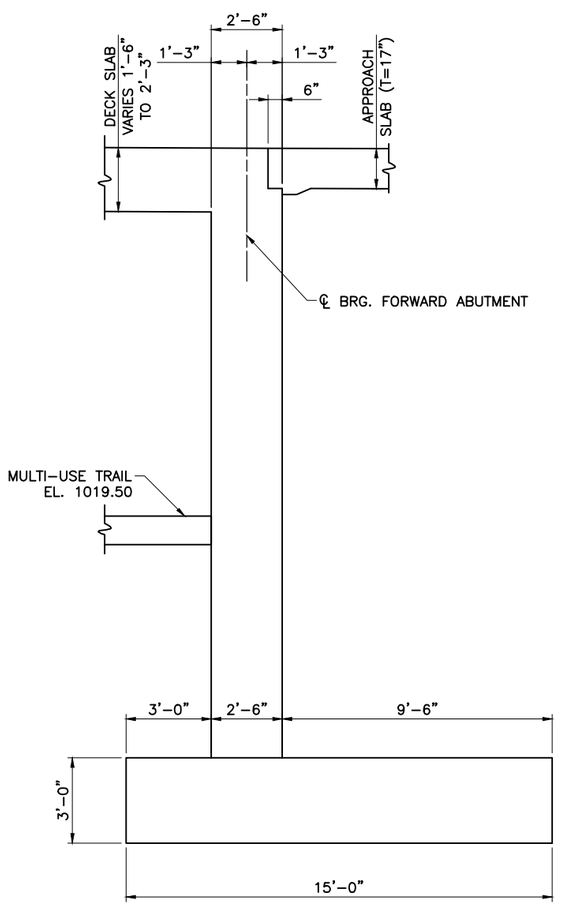
REAR ABUTMENT SECTION



PIER 1 SECTION



PIER 2 SECTION



FORWARD ABUTMENT SECTION

DESIGN AGENCY
ARCADIS
ARCADIS U.S., Inc.
222 South Main Street, Suite 300 Akron, Ohio 44308
Tel: 330-434-1995 Fax: 330-374-1095 www.arcadis-us.com

DESIGNED	DRAWN	REVIEWED	DATE
NPB	MPB	RBB	07/13
CHECKED	REVISED	STRUCTURE FILE NO.	
SKK		7636121	

STRUCTURE DETAILS

BRIDGE NO. STA M12TH CA-05-15
OVER WEST BRANCH OF NIMISHILLEN CREEK

CITY OF CANTON
12TH STREET NW
BRIDGES REPLACEMENT

2 / 2

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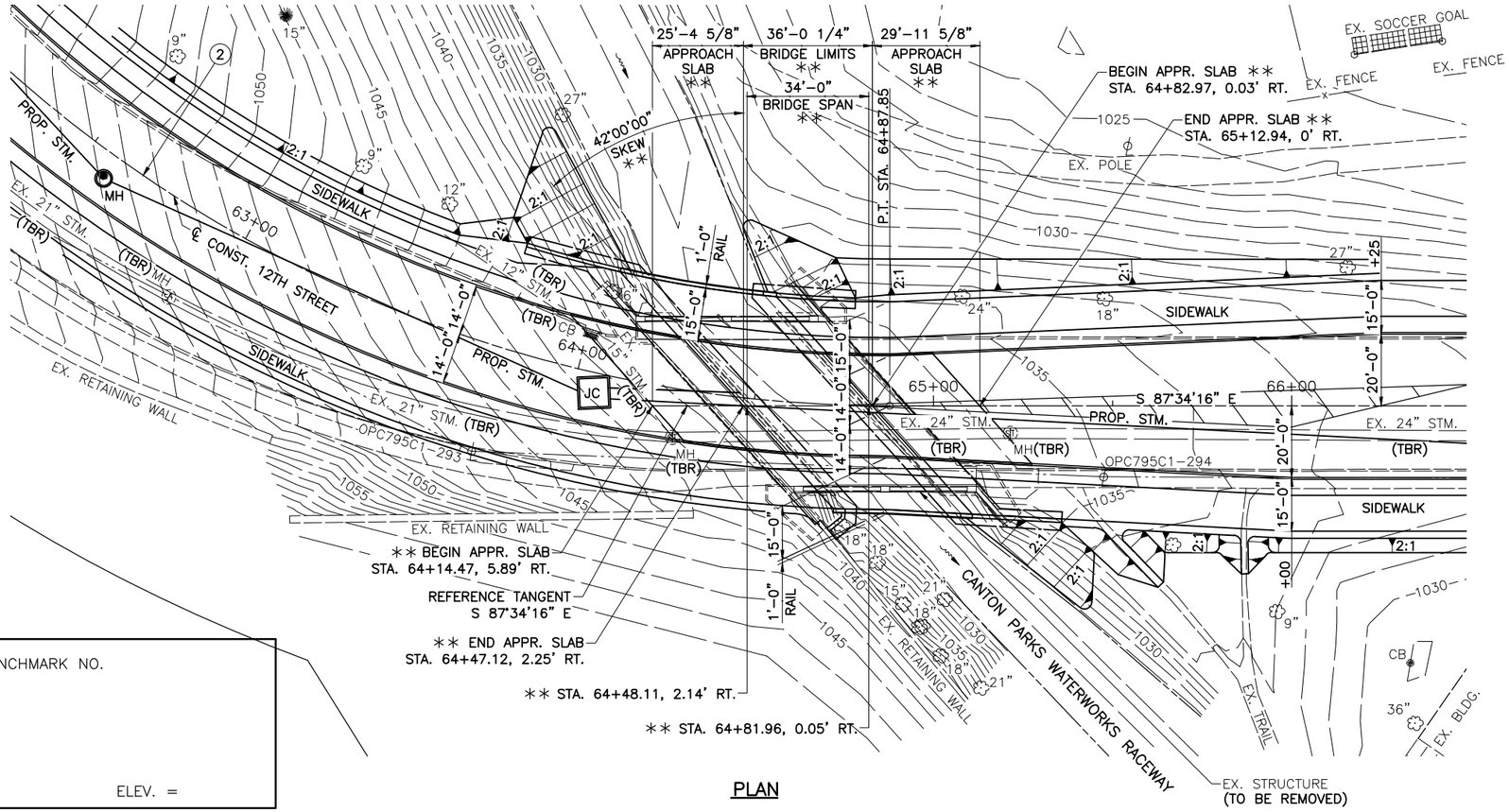
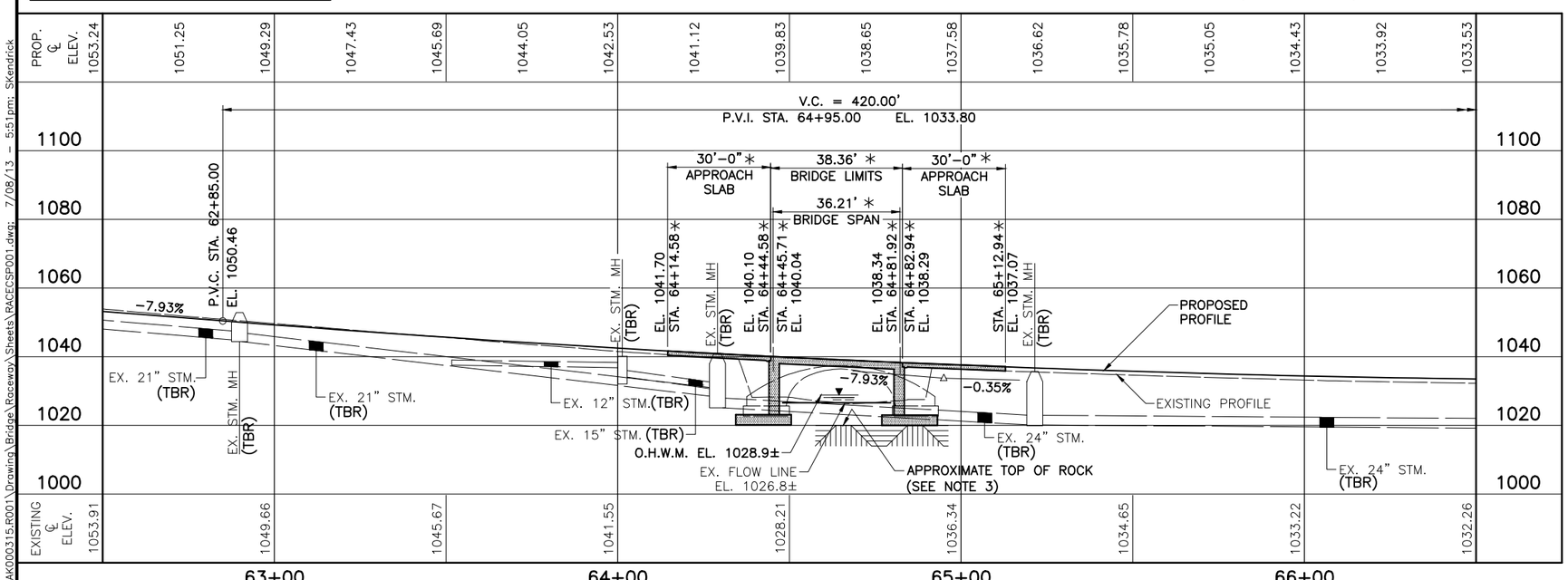


PLAN

BENCHMARK NO.
X
X
X
X
X
X
X

ELEV. =



PROFILE ALONG ℄ CONSTRUCTION

NOTES

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
2. FOR STRUCTURAL GENERAL NOTES SEE SHEETS 00 / 00 AND 00 / 00 .
3. APPROXIMATE TOP OF ROCK ELEVATION TAKEN FROM EXISTING PLANS.

LEGEND

(2) CURVE DATA
P.I. = STA. 62+87.77
△ = 74°44'55"
D_C = 69°33'31"
R = 370.00'
T = 282.62'
L = 482.71'
P.C. = STA. 60+05.15
P.T. = STA. 64+87.85

* MEASURED ALONG CENTERLINE CONSTRUCTION

** MEASURED ALONG REFERENCE TANGENT

\# TO BE INCLUDED WITH ROADWAY QUANTITIES FOR PAYMENT

(TBR) = TO BE REMOVED

HYDRAULIC DATA

DRAINAGE AREA = 0.12 SQ. MILES
EX. : 25 YR. = 160 CFS
EX. : 100 YR. = 200 CFS
EXISTING WATERWAY OPENING = 225 SQ. FT.
PROPOSED WATERWAY OPENING = 241 SQ. FT.

DESIGN DESIGNATION

CURRENT ADT (2015):	10,320
DESIGN ADT (2035):	10,690
DESIGN ADTT (2035):	428

EXISTING STRUCTURE

TYPE : REINFORCED CONCRETE ARCH FILLED ON SPREAD FOOTINGS
SPAN: 32'-0"±
ROADWAY : 36'-0"± TOE/TOE SIDEWALKS WITH 5'-0" SIDEWALKS
ALIGNMENT : TANGENT
SKEW : 42°00"00"± R.F.
WEARING SURFACE : 2"± BITUMINOUS ASPHALT CONCRETE
APPROACH SLABS : NONE
BUILT : 1928
CONDITION : FAIR
STRUCTURE FILE NO. : 7661215

PROPOSED STRUCTURE

TYPE: SINGLE SPAN REINFORCED CONCRETE DECK ON REINFORCED CONCRETE ABUTMENTS ON SPREAD FOOTINGS WITH FALSE ARCH FACADE WALL

SPAN : 34'-0" ON TANGENT

ROADWAY : 28'-0" TOE/TOE SIDEWALKS WITH 15'-0" SIDEWALKS
ALIGNMENT : TANGENT
SKEW : 42°00'00" R.F.
WEARING SURFACE : 1" MONOLITHIC CONCRETE
APPROACH SLABS : 30'-0" LONG (AS-1-81)
LOADING: HL-93 AND FWS (60 PSF)

CROWN: SUPERELEVATED
LONGITUDE: 81° 23' 36"
LATITUDE: 40° 48' 36"

DESIGN AGENCY
ARCADIS
ARCADIS U.S., Inc.
222 South Main Street, Suite 300 Akron, Ohio 44311
Tel: 330-434-1995 Fax: 330-374-1095 www.arcadis-us.com

DESIGNED NPB | DRAWN MPB | CHECKED SKK | REVIEWED RBB | DATE 07/13 | REVISED | STRUCTURE FILE NO. 7661223

STARK COUNTY
STATION 64+44.58
STATION 64+82.94

SITE PLAN
BRIDGE NO. STA-12NW-1300
OVER CANTON PARKS WATERWORKS RACEWAY

CITY OF CANTON
12TH STREET NW
BRIDGES REPLACEMENT

1 / 2

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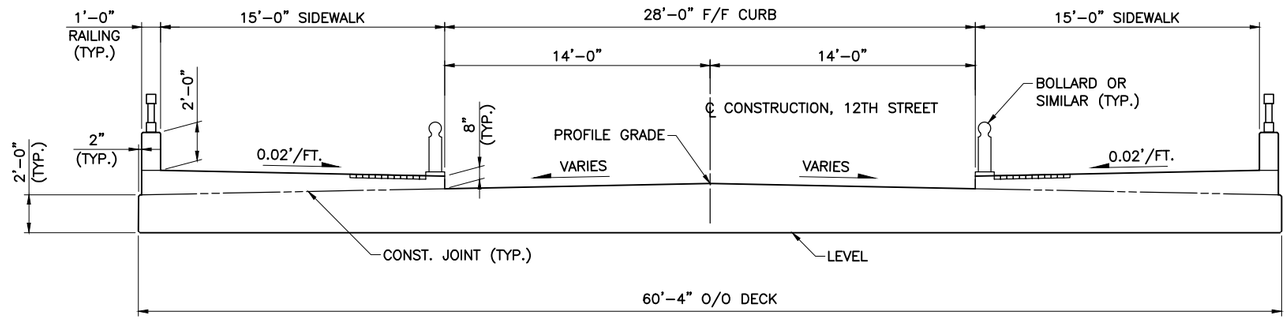
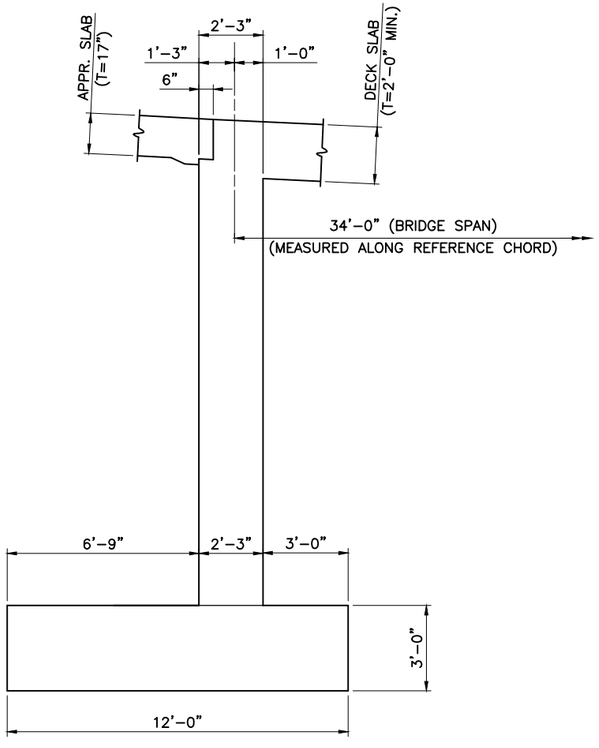


TRANSVERSE SECTION



ABUTMENT SECTION

DESIGN AGENCY
ARCADIS
ARCADIS U.S., Inc.
222 South Main Street, Suite 300 Akron, Ohio 44308
Tel. 330-434-1995 Fax: 330-374-1095 www.arcadis-us.com

DESIGNED	DRAWN	REVIEWED	DATE
NPB	MPB	RBB	07/13
CHECKED	REVISED	STRUCTURE FILE NO.	
SKK		7661223	

STRUCTURE DETAILS
BRIDGE NO. STA-12NW-1300
OVER CANTON PARKS WATERWORKS RACEWAY

CITY OF CANTON
12TH STREET NW
BRIDGES REPLACEMENT

2 / 2

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