CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

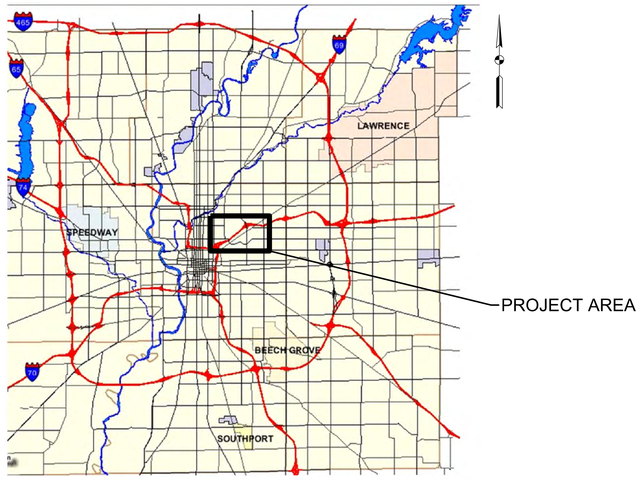
POGUES RUN TRAIL
PHASE 1

DPW PROJECT NO. PA-25-001

Shared use path along 10th Street
and Brookside Avenue, from Massachusetts Avenue
to Commerce Avenue
Gross Length = 0.55 Miles
Net Length = 0.55 Miles

MAYOR, GREGORY A. BALLARD

DIRECTOR, ANDY LUTZ



LOCATION MAP

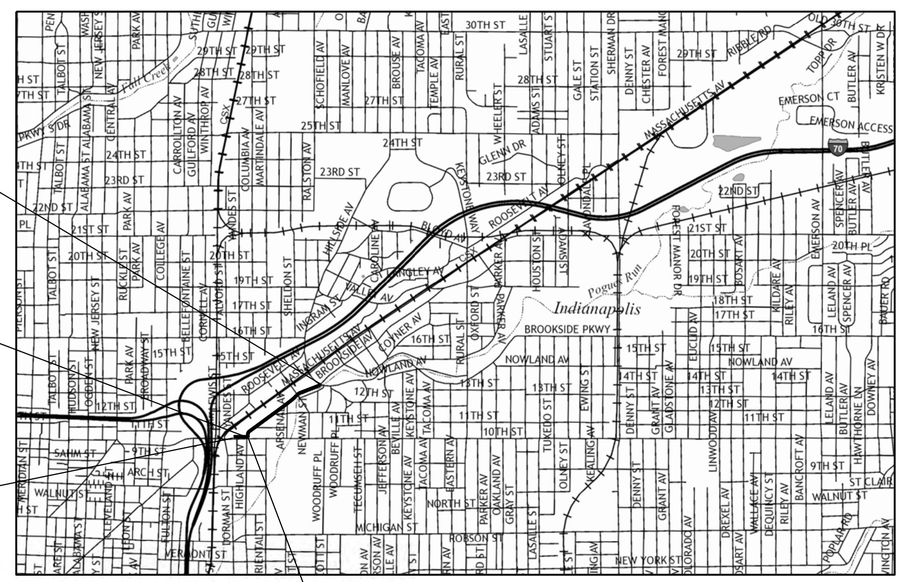
TRAFFIC DATA	
A.A.D.T.	N/A V.P.D.
A.A.D.T.	N/A V.P.D.
D.H.V	N/A V.P.H.
DIRECTIONAL DISTRIBUTION	N/A %
TRUCKS	N/A % A.A.D.T.

DESIGN DATA	
DESIGN SPEED	20 M.P.H.
PROJECT DESIGN CRITERIA	AASHTO Guide for the Development of Bicycle Facility
FUNCTIONAL CLASSIFICATION	Shared Use Path
RURAL/URBAN	Urban
TERRAIN	Level
ACCESS CONTROL	None

END PROJECT - PHASE 1
Sta. 44+12.52 Line "P"

END CONSTRUCTION
P.O.T. 15+48.57 "P10th"

BEGIN PROJECT - PHASE 1
Sta. 10+00.00 Line "P10th"



BEGIN CONSTRUCTION
P.O.T. 20+13.27 "P"

DEPARTMENT OF PUBLIC WORKS
1200 S. MADISON AVENUE
SUITE 200
INDIANAPOLIS, IN 46225

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\20 Singles\Sht Title.dgn
MODEL NAME: RD_Title Sheet 01
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:20:48 PM

Drawing Copyright © 2014

CHA
Union Station, 300 S. Meridian St.
Indianapolis, IN 46225
Main: (317) 786-0461 • www.chacompanies.com

Indianapolis Gregory A. Ballard, Mayor
REBUILDINDY
Department of Public Works

KEVIN J. REARICK
REGISTERED
No. 9500343
STATE OF INDIANA
PROFESSIONAL ENGINEER

PLANS PREPARED BY: CHA Consulting, Inc. 317.786.0461 PHONE NUMBER
CERTIFIED BY: 4-16-2015 DATE
APPROVED FOR LETTING: DATE

BRIDGE FILE
DESIGNATION

SURVEY BOOK	SHEETS
	1 of 47
CONTRACT	PROJECT
	PA-25-001

UTILITIES

TELEPHONE/COMMUNICATIONS

AT&T Distribution

5858 N. College Ave.
Indianapolis, IN 46220

WATER

Citizens Energy Group

2150 Dr. Martin Luther King Jr. St
Indianapolis, IN 46202

SANITARY SEWER

Citizens Energy Group
Robert Masbaum

Indianapolis, IN 46202
317-429-3961

GAS

Citizens Energy Group
Richard Miller
2150 Dr. Martin Luther King Jr. St
Indianapolis, IN 46202
317-927-4684

ELECTRIC

Indianapolis Power & Light Co.

1230 West Morris St.
Indianapolis, IN 46221

STREETLIGHTS

Indianapolis Power & Light Co.
Dennis Fox
1230 West Morris St.
Indianapolis, IN 46221
317-261-6196

REVISIONS

SHEET NO.	DATE	REVISED
$sht1$	$date1$	$rev1$
$sht2$	$date2$	$rev2$
$sht3$	$date3$	$rev3$
$sht4$	$date4$	$rev4$
$sht5$	$date5$	$rev5$
$sht6$	$date6$	$rev6$
$sht7$	$date7$	$rev7$
$sht8$	$date8$	$rev8$
$sht9$	$date9$	$rev9$
$sht10$	$date10$	$rev10$
$sht11$	$date11$	$rev11$
$sht12$	$date12$	$rev12$
$sht13$	$date13$	$rev13$
$sht14$	$date14$	$rev14$
$sht15$	$date15$	$rev15$
$sht16$	$date16$	$rev16$

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3 - 7	LOCATION CONTROL ROUTE SURVEY
8 - 10	TYPICAL CROSS SECTIONS
11 - 15	MAINTENANCE OF TRAFFIC
16 - 20	PLAN AND PROFILE SHEETS
21 - 26	CURB RAMP / SPOT ELEVATIONS DETAILS
27	SITE DETAILS
28	MISCELLANEOUS DETAILS
29 - 31	PAVEMENT MARKING & SIGN DETAILS
32	SIGN DETAILS
33 - 34	TRAFFIC SIGNAL DETAILS
35 - 37	TEMPORARY EROSION CONTROL DETAILS
40	STRUCTURE DATA TABLE
XS39 - XS47	CROSS SECTIONS

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA | DRAWN: JSS
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

INDEX SHEET

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS 2 of 47
CONTRACT	PROJECT PA-25-001

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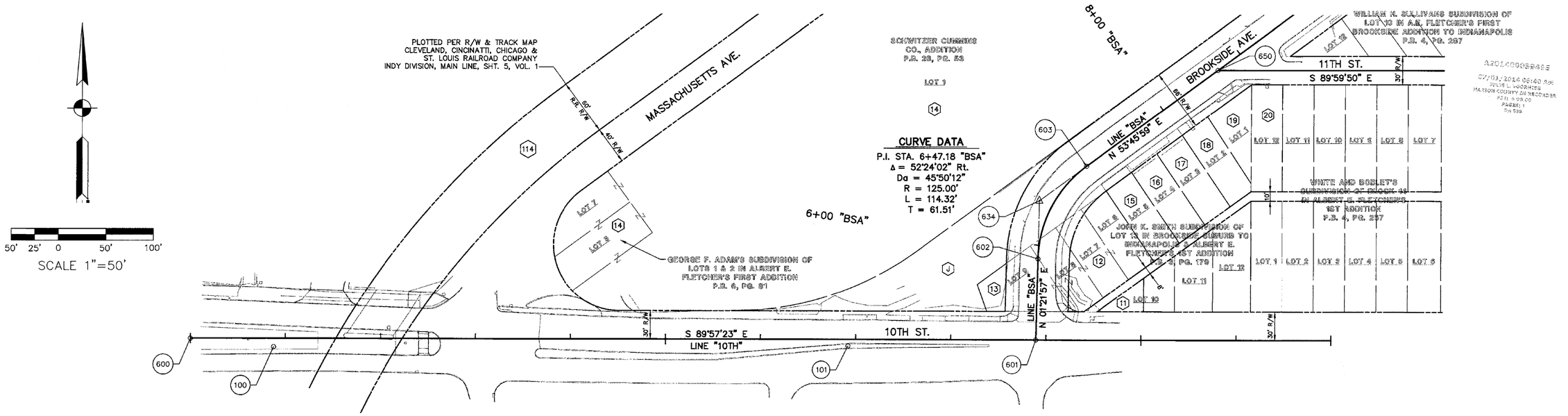


(11) GREGORY S. DUGAN & HUI LIN CHUA
INSTR. No. A2013000093773

(12) CITY OF INDIANAPOLIS DOT
INSTR. No. 73-26384

(13) THE NATIONAL BANK OF INDIANAPOLIS
INSTR. No. A201400042374

(14) THE NATIONAL BANK OF INDIANAPOLIS
INSTR. No. A201000098588

(15) GEORGE A. BERRY & RUTH A. BERRY
INSTR. No. 840013953

(16) SHERMAN STEVENS
(PER GIS, DEED NOT FND.)

(17) SHERMAN STEVENS
INSTR. No. A201100094869

(18) GEORGE A. BERRY & RUTH A. BERRY, H/W
INSTR. No. 67-7312

(19) GEORGE BERRY & RUTH BERRY, H/W
INSTR. No. 77-003144

(20) GEORGE ARNOLD BERRY & RUTH ANN BERRY, H/W
INSTR. No. 73-76267

(114) NEW YORK CENTRAL LINES LLC
INSTR. No. 1999-0151430
AUGUST 10, 1999

(J) VACATION OF PART OF BROOKSIDE AVE.
INSTR. No. 77-001891
JANUARY 12, 1977
EASEMENTS RESERVED FOR ALL UTILITIES

NOTE:
THERE MAY BE INSTANCES THROUGH CURVES, OR WHERE ADDING THE SEGMENT LENGTHS OF LINES VERSUS THE OVERALL LENGTH, THERE APPEAR TO BE MATHEMATICAL ERRORS (+/- 0.01 FEET). THESE APPARENT ERRORS RESULT FROM NUMERIC ROUNDING, ARE CONSIDERED NEGLIGIBLE, AND, ARE THEREFORE NOT REVISED HEREIN.

"I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW."
NAME: 6/27/14
MATTHEW R. HEALY, P.S.

ALIGNMENT TABLE

POINT No.	NORTHING	EASTING	MONUMENT TYPE	DESCRIPTION
600	18,164.8464	14,225.8475	REBAR SET W/ ORANGE "VSEI 0063" CAP	P.O.T. STA. 0+00.00 "10TH"
601	18,163.9712	15,115.2151	MAG NAIL SET	P.O.T. STA. 8+89.37 "10TH"= P.O.T. STA. 5+00.00 "BSA"
602	18,249.6171	15,117.2571	CALCULATED POINT NO MON. SET	P.C. STA. 5+85.67 "BSA"
603	18,347.4645	15,168.3367	CALCULATED POINT NO MON. SET	P.T. STA. 6+99.99 "BSA"
634	18,311.1081	15,118.7231	MAG NAIL SET	P.I. STA. 6+47.18 "BSA"
650	18,448.9308	15,306.3929	CALCULATED POINT NO MON. SET	P.O.T. STA. 8+71.15 "BSA"

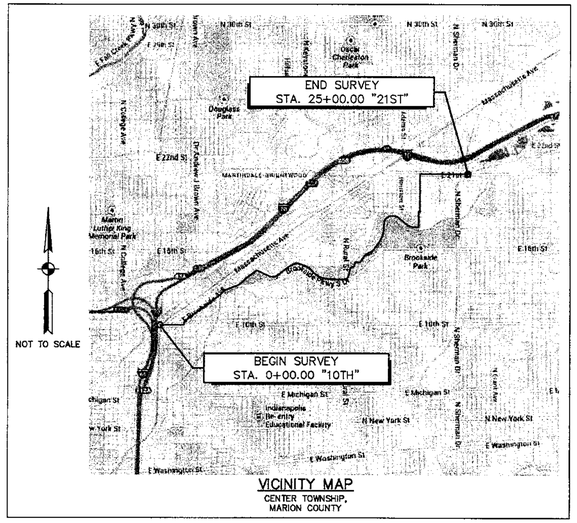
MONUMENT TABLE

POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
100	18,155.6663	14,313.5255	STA. 0+87.68 "10TH"	8.91' Rt.	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
101	18,157.3891	14,917.7723	STA. 6+91.93 "10TH"	6.73' Rt.	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)

LEGEND

ALIGNMENT
SECTION LINE
RIGHT-OF-WAY
RIGHT-OF-WAY EASEMENT
APPROXIMATE PARCEL LINE
LOT LINE
SUPERSEDED LOT LINE
EASEMENT LINE
EXISTING FENCE
EXISTING FLOWLINE
EXISTING TOPOGRAPHY
(R) RECORD DIMENSION
(M) MEASURED DIMENSION
(P) PLAN DIMENSION
(123) CONTROL POINT
FND., SET, OR CALC.
APP. APPARENT
EP EDGE OF PAVEMENT
R/W RIGHT-OF-WAY
EX. EXISTING
M.C.S.O. MARION COUNTY SURVEYOR'S OFFICE

UNLESS NOTED OTHERWISE ALL MONUMENTS, FOUND OR SET, ARE LOCATED FLUSH WITH THE SURFACE



VICINITY MAP
CENTER TOWNSHIP, MARION COUNTY

SURVEY STARTED
12/31/2013
SURVEY COMPLETED
05/02/2014
ROUTE PLAT SHEETS
1 of 15

VS ENGINEERING, INC.
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254
TEL. (317) 293-3542 FAX: (317) 293-4737

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

MATTHEW R. HEALY REGISTERED No. 21000201 STATE OF INDIANA PROFESSIONAL SURVEYOR

RECOMMENDED FOR APPROVAL 6/27/14
REGISTERED LAND SURVEYOR, FIELD

DRAWN: JAG CHECKED: MRH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

LOCATION CONTROL ROUTE SURVEY
LINE "10TH"

HORIZONTAL SCALE	DESIGNATION
1" = 50'	
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	3 of 47
CONTRACT	PROJECT
	PA-25-001

DIRECTORY....F:\2013\13-3072 Rogues Run Greenway\SURVEY\DRAWINGS\LCRSP\
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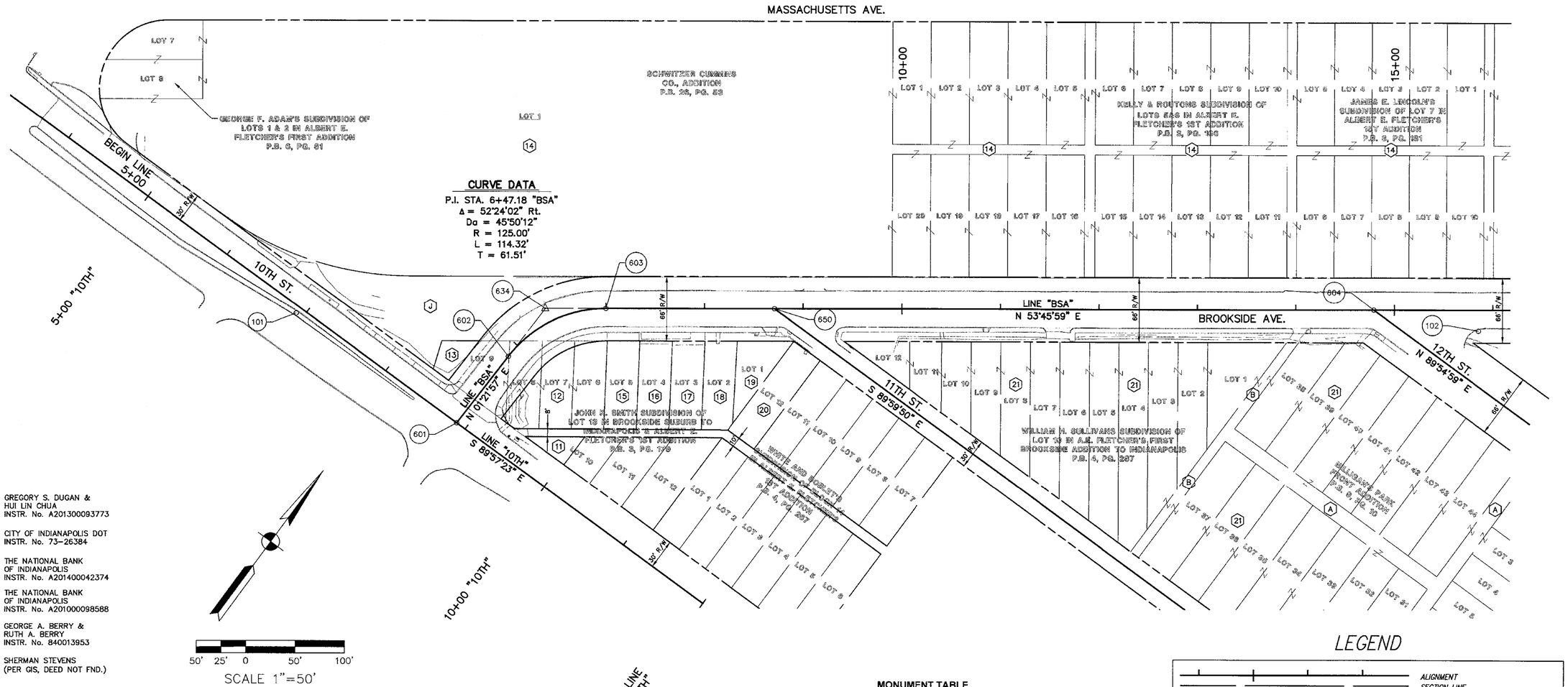
LAYOUT.....1 - 13-3072
PLOTTED BY: JaRHealy
DATE.....Jun 27,2014 - 10:40am



(11) GREGORY S. DUGAN & HUI LIN CHUA INSTR. No. A201300093773

(12) CITY OF INDIANAPOLIS DOT INSTR. No. 73-26384

(13) THE NATIONAL BANK OF INDIANAPOLIS INSTR. No. A201400042374

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(15) GEORGE A. BERRY & RUTH A. BERRY INSTR. No. 840013953

(16) SHERMAN STEVENS (PER GIS, DEED NOT FND.)

(17) SHERMAN STEVENS INSTR. No. A201100094869

(18) GEORGE A. BERRY & RUTH A. BERRY, H/W INSTR. No. 67-7312

(19) GEORGE BERRY & RUTH BERRY, H/W INSTR. No. 77-003144

(20) GEORGE ARNOLD BERRY & RUTH ANN BERRY, H/W INSTR. No. 73-76267

(21) THE NATIONAL BANK OF INDIANAPOLIS INSTR. No. A201000098588

(A) VACATED ALLEY DECLARATORY RESOLUTION 18047 D.R. 1993, PG. 575

(B) VACATED ALLEY DECLARATORY RESOLUTION 18106 INSTR. No. 64-22370

(J) VACATION OF PART OF BROOKSIDE AVE. INSTR. No. 77-001891 JANUARY 12, 1977 EASEMENTS RESERVED FOR ALL UTILITIES

ALIGNMENT TABLE

POINT No.	NORTHING	EASTING	MONUMENT TYPE	DESCRIPTION
601	18,153.9712	15,115.2151	MAG NAIL SET	P.O.T. STA. 8+89.37 "10TH"= P.O.T. STA. 5+00.00 "BSA"
602	18,249.6171	15,117.2571	CALCULATED POINT NO MON. SET	P.C. STA. 5+85.67 "BSA"
603	18,347.4645	15,168.3367	CALCULATED POINT NO MON. SET	P.T. STA. 6+99.99 "BSA"
604	18,808.0409	15,796.8605	MAG NAIL SET	P.O.T. STA. 14+79.20 "BSA"
634	18,311.1081	15,118.7231	MAG NAIL SET	P.I. STA. 6+47.18 "BSA"
650	18,448.6308	15,306.3929	CALCULATED POINT NO MON. SET	P.O.T. STA. 8+71.15 "BSA"

MONUMENT TABLE

POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
101	18,157.3891	14,917.7723	STA. 6+91.93 "10TH"	6.73' Rt.	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
102	18,853.9413	15,894.9410	STA. 15+85.45 "BSA"	20.95' Rt.	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)

NOTE:
THERE MAY BE INSTANCES THROUGH CURVES, OR WHERE ADDING THE SEGMENT LENGTHS OF LINES VERSUS THE OVERALL LENGTH, THERE APPEAR TO BE MATHEMATICAL ERRORS (+/- 0.01 FEET). THESE APPARENT ERRORS RESULT FROM NUMERIC ROUNDING, ARE CONSIDERED NEGLIGIBLE, AND, ARE THEREFORE NOT REVISED HEREIN.

LEGEND

- ALIGNMENT
- SECTION LINE
- RIGHT-OF-WAY
- RIGHT-OF-WAY EASEMENT
- APPROXIMATE PARCEL LINE
- LOT LINE
- SUPERSEDED LOT LINE
- EASEMENT LINE
- X — X — X — X — EXISTING FENCE
- EXISTING FLOWLINE
- EXISTING TOPOGRAPHY
- (R) RECORD DIMENSION
- (M) MEASURED DIMENSION
- (P) PLAN DIMENSION
- (123) CONTROL POINT
- FND., SET, OR CALC.
- APP. APPARENT
- EP EDGE OF PAVEMENT
- R/W RIGHT-OF-WAY
- EX. EXISTING
- M.C.S.O. MARION COUNTY SURVEYOR'S OFFICE

UNLESS NOTED OTHERWISE ALL MONUMENTS, FOUND OR SET, ARE LOCATED FLUSH WITH THE SURFACE

SURVEY STARTED	12/31/2013
SURVEY COMPLETED	05/02/2014
ROUTE PLAT SHEETS	2 of 15

VS ENGINEERING, INC.
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254
TEL. (317) 293-3542 FAX: (317) 293-4737

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

MATTHEW R. HELT REGISTERED No. 21000201 STATE OF INDIANA PROFESSIONAL SURVEYOR

RECOMMENDED FOR APPROVAL — REGISTERED LAND SURVEYOR, FIELD — 6/27/14

DRAWN: JAG CHECKED: MRH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

LOCATION CONTROL ROUTE SURVEY
LINE "BSA"

HORIZONTAL SCALE	DESIGNATION
1" = 50'	
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	4 of 47
CONTRACT	PROJECT
	PA-25-001

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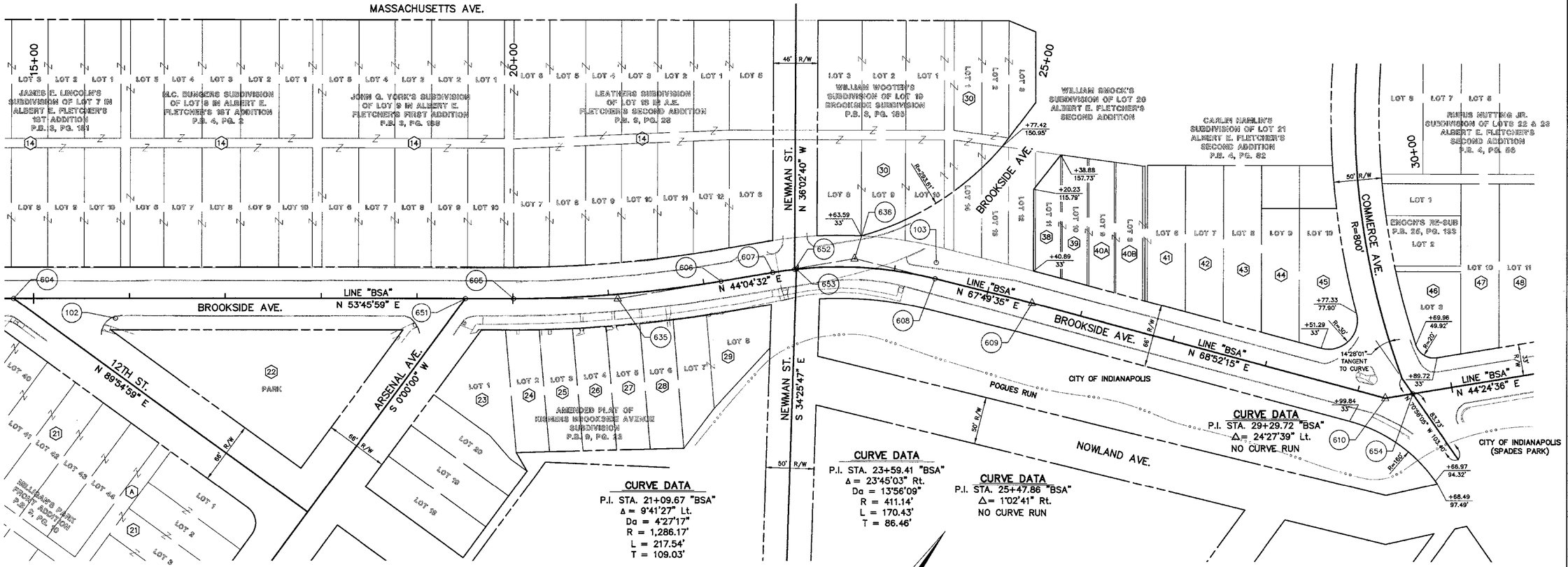
MASSACHUSETTS AVE.
BROOKSIDE AVE.
LINE "BSA" N 53°45'59" E
N 44°04'32" E
N 36°02'40" W
NEWMAN ST.
S 34°25'47" E
LINE "BSA" N 67°49'35" E
LINE "BSA" N 68°52'15" E
LINE "BSA" N 44°24'36" E
12TH ST. N 89°54'59" E
ARSENAL AVE. S 0°00'00" W
COMMERCE AVE. R=800'
POGUES RUN
NOWLAND AVE.
CITY OF INDIANAPOLIS
CITY OF INDIANAPOLIS (SPADES PARK)
PARK
JAMES E. LINCOLN'S SUBDIVISION OF LOT 7 IN ALBERT E. FLETCHER'S 1ST ADDITION P.B. 3, PG. 161
M.C. SUNGERS SUBDIVISION OF LOT 8 IN ALBERT E. FLETCHER'S 1ST ADDITION P.B. 4, PG. 2
JOHN Q. YORK'S SUBDIVISION OF LOT 9 IN ALBERT E. FLETCHER'S FIRST ADDITION P.B. 3, PG. 158
LEATHERS SUBDIVISION OF LOT 10 IN A.E. FLETCHER'S SECOND ADDITION P.B. 3, PG. 23
WILLIAM WOOTEN'S SUBDIVISION OF LOT 19 BROOKSIDE SUBDIVISION P.B. 3, PG. 163
WILLIAM SMOCK'S SUBDIVISION OF LOT 20 ALBERT E. FLETCHER'S SECOND ADDITION
CARLIN HAHLIN'S SUBDIVISION OF LOT 21 ALBERT E. FLETCHER'S SECOND ADDITION P.B. 4, PG. 82
RUFUS NUTTING JR. SUBDIVISION OF LOTS 22 & 23 ALBERT E. FLETCHER'S SECOND ADDITION P.B. 4, PG. 56
ENOCH'S RE-SUB P.B. 26, PG. 133
AMENDED PLAT OF KIEFFERS BROOKSIDE AVENUE SUBDIVISION P.B. 9, PG. 23
WINDSOR PARK NEIGHBORHOOD FIRST ADDITION P.B. 2, PG. 70
CURVE DATA
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Da = 4°27'17"
R = 1,286.17'
L = 217.54'
T = 109.03'
CURVE DATA
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Δ = 23°45'03" Rt.
Da = 13°56'09"
R = 411.14'
L = 170.43'
T = 86.46'
CURVE DATA
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Δ = 1°02'41" Rt.
NO CURVE RUN
CURVE DATA
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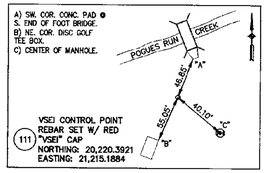
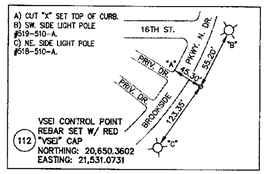
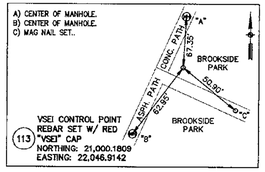
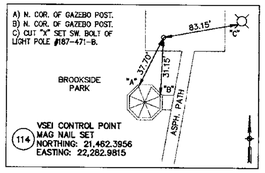
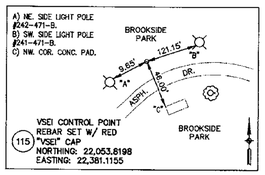
Δ = 24°27'39" Lt.
NO CURVE RUN
14°28'01" TANGENT TO CURVE
N 70°58'16" W 103.40'
83.73'
50' R/W
66' R/W
56' R/W
50' R/W
50' R/W
50

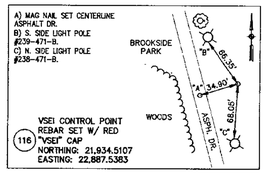


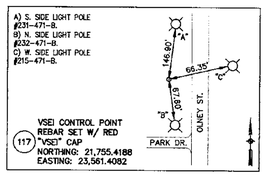




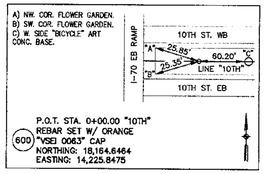


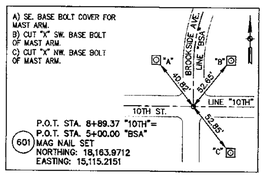


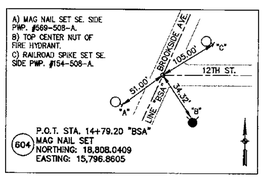


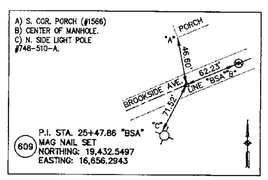


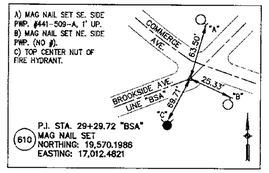
VSEI CONTROL POINT REFERENCES

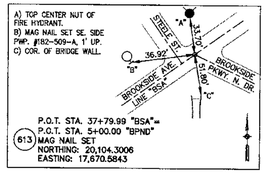


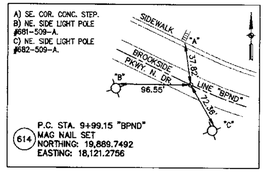


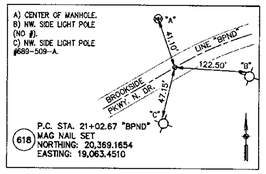


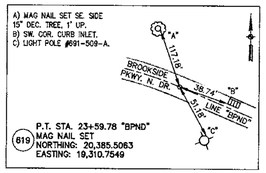


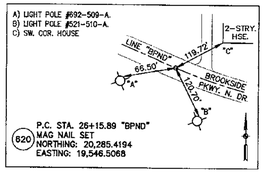


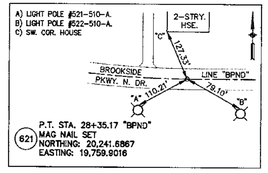


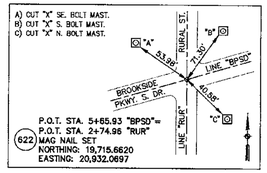


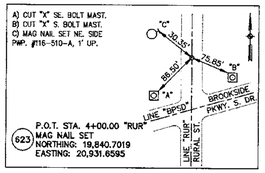


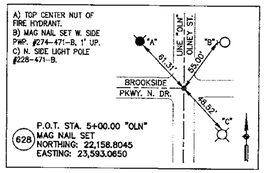


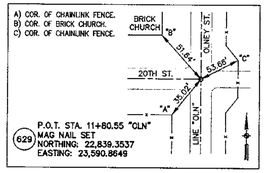


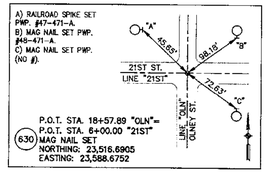


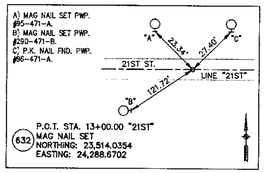


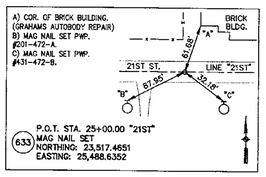


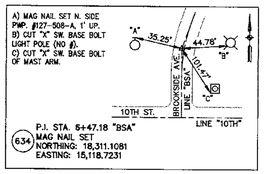


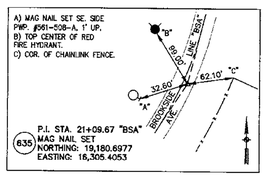


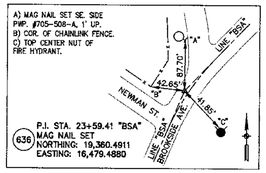


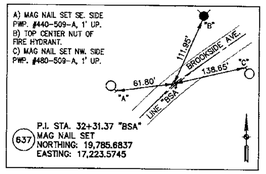


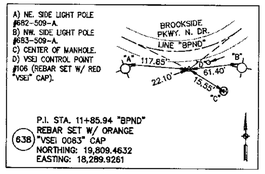


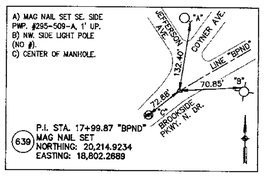


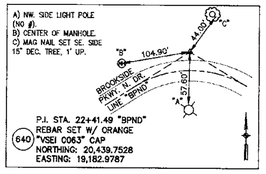


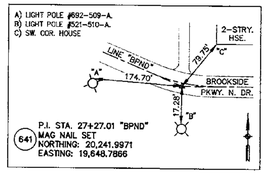


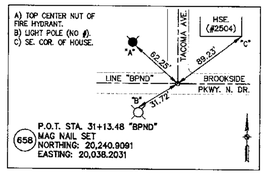






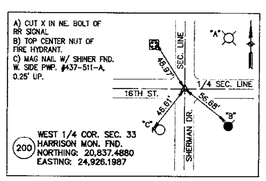


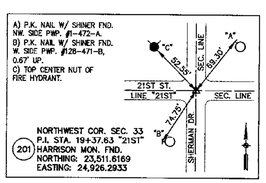


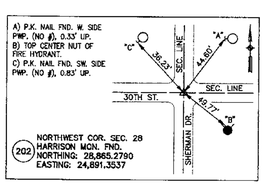


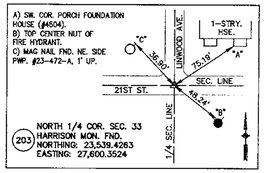
ALIGNMENT REFERENCES

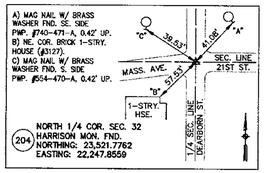
SECTION CORNER REFERENCES











SURVEY STARTED		
12/31/2013		
SURVEY COMPLETED		
05/02/2014		
ROUTE PLAT SHEETS		
14	of	15

VS ENGINEERING, INC.
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254
TEL. (317) 293-3542 FAX: (317) 293-4737

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

MATTHEW R. HEALY REGISTERED No. 21000201 STATE OF INDIANA PROFESSIONAL SURVEYOR

RECOMMENDED FOR APPROVAL 6/27/14
REGISTERED LAND SURVEYOR, FIELD

DRAWN: JAG CHECKED: MRH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

LOCATION CONTROL ROUTE SURVEY REFERENCES

HORIZONTAL SCALE	DESIGNATION
N/A	
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	6 of 47
CONTRACT	PROJECT
	PA-25-001

DIRECTORY....F:\3013\13-3273 Fresno Run Freeway\SURVEY\DRAWINGS\LCR5P\
FILE.....13-3273 Project Control.dwg
PLOTTED BY....MRH
SCALE.....1" = 1500'
DATE.....Jun 27,2014 - 10:42am

SURVEYOR'S REPORT

Route Survey of Pogues Run Greenway – Indianapolis, Indiana

General

This survey was prepared for the City of Indianapolis Department of Public Works to aid in the design of the Pogues Run Greenway. The proposed trail runs from the intersection of the Monon Trail and 10th Street, east along 10th Street, northeast along Brookside Avenue, easterly along Brookside Parkway North Drive, easterly and northeasterly through Spades and Brookside Parks, crossing Rural Street near its intersection with Brookside Parkway South Drive, north along Olney Street and finally east along 21st Street to the Pogues Run Art and Nature Park. The centerline of the streets the trail will follow and of many adjacent streets were established to determine the location of existing right-of-way lines along the trail route. Parcel lines and corners shown herein have been placed per observed physical evidence and/or record documents acquired from Marion County government agencies and are not to be construed as defining actual property lines and corners as in a retracement or original survey. Topographic information was gathered for use in the design of the proposed trail.

- All monument reference ties are shown on the Route Survey Plat.
- Should additional USPLSS corners be needed where none were found or perpetuated, they should be reestablished and tied into this survey.
- This project is located in Section 1, Township 15 North, Range 3 East; Section 6, Township 15 North, Range 4 East; Section 36, Township 16 North, Range 3 East; Sections 28, 29, 31, 32 and 33, Township 16 North Range 4 East in Center Township, Marion County, Indiana.

Horizontal Datum

The horizontal datum for this project is a local ground system based on the East Zone of the Indiana State Plane Coordinate System, NAD83(2011). Coordinates were established on primary Control Point Nos. 100–121 and section corners using a Topcon GNSS system and the InCORS Real-Time Network. Coordinates on secondary control points or monuments were established using total station or GPS locations. Coordinates were translated to the local system by establishing the ground coordinate for Control Point 109 as 20,000.00 North and 20,000.00 East. All other points were scaled from grid to ground about Control Point No. 109 using a combined (Grid to Ground) scale factor of 1.00004498. All coordinates and distances are ground values.

Vertical Datum

The vertical datum for this project is the North American Vertical Datum of 1988 (NAVD88). National Geodetic Survey (NGS) Station D 4 RESET 1978 was found in good condition at the intersection of 10th Street and Dorman Street. NGS Station E 4 was found in good condition at the CSX railroad overpass over Valley Avenue. A check between the two benchmarks via differential leveling yielded a difference of 0.01 foot from the difference calculated between the published elevations. All level circuits were performed to at least third order accuracy with an allowable error of ±12 mm X √ K; where K is the length of the circuit in kilometers. Temporary benchmarks were set along the route for easy retrieval during construction.

Alignments

The alignment of 10th Street was established by splitting the existing curbs east of Oriental Street and projecting the centerline west. Between I-65 and Oriental Street, the pavement of 10th Street is too irregular to establish a best-fit centerline.

The alignment of Brookside Avenue from 10th Street to Hamilton Avenue was established by splitting the existing curbs and information from multiple plats. The plats did not give curve data (e.g. radius, degree of curve, tangent lengths, etc.). The curve at 6+47.18 "BSA" was established by best fit to the existing pavement and choosing an even radius to the nearest 25 feet. Lot dimensions and right-of-way widths were used to determine the radius of the curves at 21+09.67 "BSA", 23+59.41 "BSA" and 32+31.37 "BSA".

The alignment of Brookside Parkway North Drive from Brookside Avenue to Tacoma Avenue was established by splitting the existing curbs. Brookside Parkway North Drive is not shown on any of the adjacent plats with the exception of the east 400 feet before Tacoma Avenue. Land was purchased or condemned by the City of Indianapolis in 1916 and 1917 for a Parkway and Boulevard. Records for such purchases were researched and found as listed on the plat. Those lots where the specific record was not found are shown per City of Indianapolis DOT right-of-way maps provided by the Marion County Surveyor's Office (see more detailed discussion below). Curves along the centerline of Brookside Parkway North Drive were best fit to the existing pavement by choosing an even radius to the nearest 50 feet.

The alignment of Rural Street was established by splitting the existing curbs.

The alignment of Brookside Parkway South Drive was established by splitting the existing curbs.

The alignment of Olney Street from Brookside Parkway North Drive to 21st Street was established by splitting the existing curbs.

The alignment of 21st Street from just west of Olney Street to Sherman Avenue is established along the section line dividing Sections 29 and 32 and along the line dividing Sections 28 and 33 from Sherman Avenue east.

The centerline of other streets adjacent to the proposed trail were also established from curb splits, plotted distances and information found on City of Indianapolis DOT right-of-way maps provided by the Marion County Surveyor's Office. This includes Massachusetts Avenue, 11th Street, 12th Street, Arsenal Avenue, Newman Street, Commerce Avenue, Nowland Avenue, Steele Street, Hamilton Avenue, Samoa Avenue, Jefferson Avenue, Coyner Avenue, Tacoma Avenue, 13th Street, Oxford Street, Brookside Parkway North Drive (between Lasalle Street and Olney Street), and 20th Street.

Right-of-Way

Right-of-way along the trail route and adjacent streets is shown per recorded subdivision plats. There are areas that have been widened, vacated or new streets opened as listed on the plat. Some areas of note are listed below:

1. Everything north of 10th Street and west of the CSX railroad overpass is believed to be public right-of-way for Lewis Street, Monon Trail and I-65/I-70. The right-of-way of CSX railroad at 10th Street is shown per Cleveland, Cincinnati, Chicago & St. Louis Railway Company, Indianapolis Division Main Line Right-of-way and Track Map, Sheet No. 5 V1.
2. Brookside Avenue continued southwest to 10th Street per the plats of Schwitzer Cummins Co. Addition and John K. Smith Subdivision. Part of Brookside Avenue was vacated per Instrument No. 77001891. The City of Indianapolis Department of Transportation purchased Lots 6 – 9 of Smiths Subdivision (Instrument No. 73-26384). A portion of Lot 9 was conveyed to National Bank of Indianapolis in Instrument No. 201400042374. The right-of-way of Brookside Avenue is shown as 66 feet wide (to match the rest of Brookside Avenue), but the City of Indianapolis does own the portions of Lots 6 – 8 in Smiths Subdivision that lie outside of the right-of-way as shown.
3. The right-of-way along the connecting road from Brookside Avenue to Massachusetts Avenue (northeast of Newman Street) is plotted per the deeds for the adjoining parcels and agrees well with the location of the roadway, sidewalks and other improvements.
4. Lot 52 in Milligan Park Addition (the area occupied by Pogues Run between Brookside Avenue and Nowland Avenue) is not shown as a parcel in the City GIS. The area is owned by the City of Indianapolis Parks Department per a Temporary Right-of-way Grant, Instrument No. 72-66146.
5. Brookside Parkway North Drive from Brookside Avenue to Jefferson Avenue was opened by the City of Indianapolis Board of Park Commissioners in 1916 by Parkway Resolution No. 44, recorded in Town Lot Record 570, pages 329 – 331. A listing of full and partial lot takings was included in the resolution. Some of the actual deeds for the takings from specific lots were found and are listed on the plat. The rest of the takings are plotted per dimensions on City of Indianapolis DOT right-of-way maps provided by the Marion County Surveyor's Office and referenced to Parkway Resolution No. 44.
6. Portions of Spades and Brookside Parks were originally platted. The lots in these areas are not shown. Some of the deeds for these areas were obtained with the help of Paul Smith at the City Real Estate Office. The deeds for these areas are not listed on the plat.
7. The south right-of-way of Brookside Parkway South Drive is plotted per the deeds for the adjoining parcels and agrees well with the location of the roadway, sidewalks and other improvements. City of Indianapolis DOT right-of-way maps show additional right-of-way in the southeast quadrant of the intersection of Brookside Parkway South Drive and Rural Street.
8. Sherman Avenue was widened 30 feet to the east per Dec. Res. 17118
9. 21st Street was widened per Dec. Res. No. 17955 recorded in Deed Record 2126 page 165. This included the land at the northwest corner 21st Street & Sherman Drive and both sides of 21st Street, east of Sherman Drive as shown on the plat.
10. The rights-of-way of the railroads near the intersection of 21st Street and Sherman Drive are shown per a combination of deeds, City DOT right-of-way maps, and the Indianapolis Union Railway Company Belt Railroad Station Map – Lands Sheet No. SL 12 V2. All railroad property within the project limits, as shown on the plat was acquired by New York Central Lines, LLC by Instrument No. 1999-0151430.

USPLSS Corners

Five monuments were found and accepted as the location of USPLSS corners:

(200) Quarter Corner common to Sections 32 & 33 T16N R4E
- Harrison Monument found per the Marion County Surveyor's Office records.

(201) Corner common to Sections 28, 29, 32 & 33 T16N R4E
- Harrison Monument found per the Marion County Surveyor's Office records.

(202) Corner common to Sections 20, 21, 28 & 29 T16N R4E
- Harrison Monument found per the Marion County Surveyor's Office records.

(203) Quarter Corner common to Sections 28 & 33 T16N R4E
- Harrison Monument found per the Marion County Surveyor's Office records.

(204) Quarter Corner common to Section 29 & 32 T16N R4E
- Harrison Monument found per the Marion County Surveyor's Office records.

The locations of these five monuments were accepted as the best evidence of the corners that they represent.

Uncertainties

The following opinions regarding the uncertainty in the location of the points found or set and the lines established by this survey are offered:

Relative Positional Accuracy

The relative positional accuracy of points found, set or calculated this survey due to random errors in measurement is ±0.07 feet plus 50 parts per million which does not exceed ±0.50 feet.

SURVEYOR'S REPORT CONTINUED

Route Survey of Pogues Run Greenway – Indianapolis, Indiana

Record Monuments

Other than the five USPLSS corners listed above, no record monuments were recovered this survey. No uncertainties do to record monuments are noted.

Occupation/Possession

Throughout most of the project area the curbs, sidewalks and other improvements generally agree with the location of right-of-way lines as shown this survey ±1.0 foot. There are some areas where larger discrepancies exist as noted below:

1. Landscaping and other improvements cover part of Lot 94 of Milligan's Brook Park Addition (east corner of Brookside Avenue and Brookside Parkway North Drive) and it appears to be occupied by the owner of Lot 93 (Parcel 64 on the plat). This lot was taken by the City for the opening of Brookside Parkway (T.L.R. 570, pages 329 – 331). The deed for Parcel 64 covers Lot 93 except that part conveyed to the City. There is no mention of Lot 94 in said deed.
2. Occupation from the owner of Lot 102 of Milligan's Brook Park Addition (the corner of Brookside Parkway North Drive and Hamilton Avenue) extends to the sidewalk, but the right-of-way (as plotted from DOT right-of-way maps) is up to 9 feet away from the sidewalk.

PROJECT COORDINATE CHART

POINT No.	LOCAL NORTHING	LOCAL EASTING	SPC NORTHING	SPC EASTING	DESCRIPTION
100	18,155.6663	14,313.5255	1,651,353.9070	195,050.5100	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
101	18,157.3891	14,917.7723	1,651,355.6300	195,654.7280	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
102	18,853.9413	15,894.9410	1,652,052.1480	196,631.8490	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
103	19,407.5836	16,550.5798	1,652,605.7630	197,287.4560	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
104	19,867.4035	17,143.4150	1,652,865.5700	197,880.2620	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
105	20,096.4798	17,631.3301	1,653,294.6250	198,368.1530	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
106	19,831.2476	18,293.6158	1,653,029.4060	199,030.4060	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
107	20,308.7935	18,916.0687	1,653,506.9280	199,652.8280	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
108	20,454.9208	19,365.5862	1,653,653.0480	200,102.3230	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
109	20,000.0000	20,000.0000	1,653,198.1500	200,736.7050	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
110	19,737.7847	20,878.4476	1,652,935.9480	201,615.1080	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
111	20,220.3921	21,215.1884	1,653,418.5310	201,951.8320	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
112	20,650.3602	21,531.0731	1,653,848.4770	202,267.7000	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
113	21,000.1809	22,046.9142	1,654,198.2800	202,783.5150	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
114	21,462.3956	22,282.9815	1,654,660.4710	203,019.5700	MAG NAIL SET
115	22,053.8198	22,381.1155	1,655,251.8650	203,117.6990	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
116	21,934.5107	22,887.5383	1,655,132.5620	203,624.0960	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
117	21,755.4188	23,561.4082	1,654,953.4780	204,297.9290	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
118	22,754.3480	23,610.2838	1,655,952.3540	204,346.8000	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
119	23,542.0434	23,560.4254	1,656,740.0080	204,296.9440	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
120	23,536.5913	24,545.0854	1,656,734.5550	205,281.5510	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
121	23,551.0438	25,229.6582	1,656,749.0070	205,966.0880	REBAR SET W/ RED "VSEI" CAP (SURVEY CONTROL POINT)
200	20,837.4880	24,926.1987	1,654,035.5940	205,662.6450	HARRISON MON. FOUND
201	23,511.6169	24,926.2933	1,656,709.5820	205,662.7390	HARRISON MON. FOUND
202	28,865.2790	24,891.3537	1,662,062.9620	205,627.8010	HARRISON MON. FOUND
203	23,539.4263	27,600.3524	1,656,737.3880	208,336.6530	HARRISON MON. FOUND
204	23,521.7762	22,247.8559	1,656,719.7430	202,984.4440	HARRISON MON. FOUND
600	18,164.6464	14,225.8475	1,651,362.8870	194,962.8360	REBAR SET W/ ORANGE "VSEI 0063" CAP
601	18,163.9712	15,115.2151	1,651,362.2120	195,852.1610	MAG NAIL SET

POINT No.	LOCAL NORTHING	LOCAL EASTING	SPC NORTHING	SPC EASTING	DESCRIPTION
604	18,808.0409	15,796.6605	1,652,006.2500	196,533.7730	MAG NAIL SET
609	19,432.5497	16,656.2943	1,652,630.7280	197,393.1650	MAG NAIL SET
610	19,570.1965	17,012.4821	1,652,768.3700	197,749.3360	MAG NAIL SET
613	20,104.3008	17,670.5843	1,653,302.4450	198,407.4050	MAG NAIL SET
614	19,889.7492	18,121.2756	1,653,087.9050	198,858.0740	MAG NAIL SET
618	20,389.1654	19,063.4510	1,653,587.2970	199,800.2030	MAG NAIL SET
619	20,385.5063	19,310.7549	1,653,583.6370	200,047.4940	MAG NAIL SET
620	20,285.4194	19,546.5068	1,653,483.5550	200,283.2340	MAG NAIL SET
621	20,241.6867	19,759.9016	1,653,439.8250	200,496.6190	MAG NAIL SET
622	19,715.8820	20,932.0597	1,652,913.8260	201,668.7270	MAG NAIL SET
623	19,840.7019	20,931.6595	1,653,038.8600	201,668.3170	MAG NAIL SET
628	22,158.8045	23,693.0850	1,655,356.8420	204,329.5830	MAG NAIL SET
629	22,839.3537	23,590.8649	1,656,037.3550	204,327.3820	MAG NAIL SET
630	23,516.6905	23,588.6752	1,656,714.6560	204,325.1920	MAG NAIL SET
632	23,514.0354	24,288.6702	1,656,712.0010	205,025.1500	MAG NAIL SET
633	23,517.4651	25,488.6352	1,656,715.4300	206,225.0510	MAG NAIL SET
634	18,311.1081	15,118.7231	1,651,509.3410	195,855.6690	MAG NAIL SET
635	19,180.6977	16,305.4053	1,652,378.8880	197,042.2930	MAG NAIL SET
636	19,360.4911	16,479.4880	1,652,558.6730	197,216.3670	MAG NAIL SET
637	19,785.6837	17,223.5745	1,652,983.8440	197,960.4180	MAG NAIL SET
638	19,809.4832	18,289.9261	1,653,007.6230	199,026.7160	REBAR SET W/ ORANGE "VSEI 0063" CAP
639	20,214.9234	18,802.2669	1,653,413.0630	199,539.0340	MAG NAIL SET
640	20,439.7528	19,182.9787	1,653,637.8810	199,919.7250	REBAR SET W/ ORANGE "VSEI 0063" CAP
641	20,241.9971	19,648.7866	1,653,440.1350	200,385.5090	MAG NAIL SET
658	20,240.9091	20,038.2031	1,653,439.0470	200,774.9060	MAG NAIL SET

SPC = STATE PLANE COORDINATES - INDIANA EAST ZONE, NAD83(2011)

SURVEY STARTED		
12/31/2013		
SURVEY COMPLETED		
05/02/2014		
ROUTE PLAT SHEETS		
15	of	15

VS ENGINEERING, INC.
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254
TEL. (317) 293-3542 FAX: (317) 293-4737

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

MATTHEW R. HEALY REGISTERED No. 21000201 STATE OF INDIANA PROFESSIONAL SURVEYOR

RECOMMENDED FOR APPROVAL 6/27/14
REGISTERED LAND SURVEYOR, FIELD

DRAWN: JAG CHECKED: MRH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

LOCATION CONTROL ROUTE SURVEY
SURVEYOR'S REP. & COORD. TABLE

HORIZONTAL SCALE	DESIGNATION
N/A	
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	7 of 47
CONTRACT	PROJECT
	PA-25-001

DIRECTORY...F:\2013\13-3072 Pogues Run Greenway\SURVEY\DRAWINGS\LORSP\
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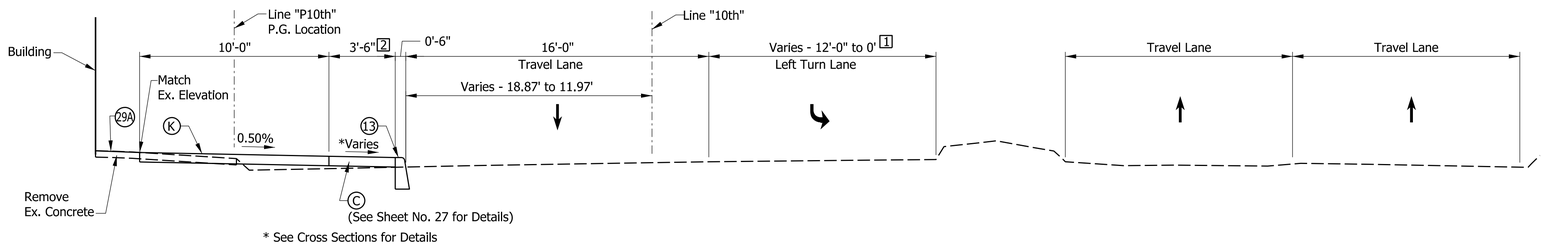
PLOTSCALE.....1:1
PLOTTED BY...MRHealy
DATE.....Jun 27,2014 - 10:42am

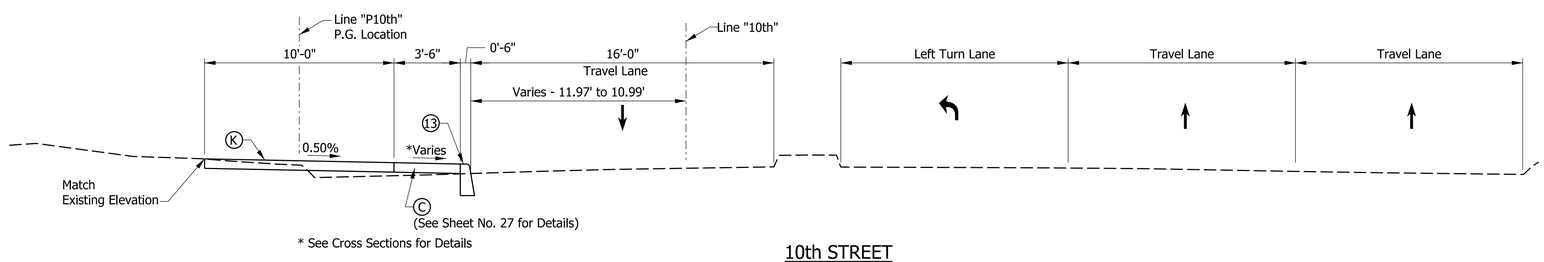


10th STREET

(From Massachusetts Ave. To Brookside Ave.)
Sta. 10+00.00 to Sta. 13+66.43 "P10th"

1 12' from Sta. 10+00.00 to Sta. 12+25.38
12' - 0' from Sta. 12+25.38 to Sta. 13+66.43

2 Varies from 3'-1½" at Sta. 10+00.00 to 3'-6" at Sta. 11+64.84



10th STREET

(From Massachusetts Ave. To Brookside Ave.)
Sta. 13+66.43 to Sta. 15+38.17 "P10th"

(K)	140 Lb/Yd HMA Surface Type A on 220lb/yd HMA Intermediate, Type A 6" of Compacted Aggregate No. 53. Base
(C)	Sidewalk, Concrete, 4"
(13)	Concrete Curb, 6" (Unless Specified Otherwise)
(29)	Seed Mix, Type "U"
(29A)	Mulch

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA | DRAWN: JSS
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 4'-0"	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
	PA-25-001

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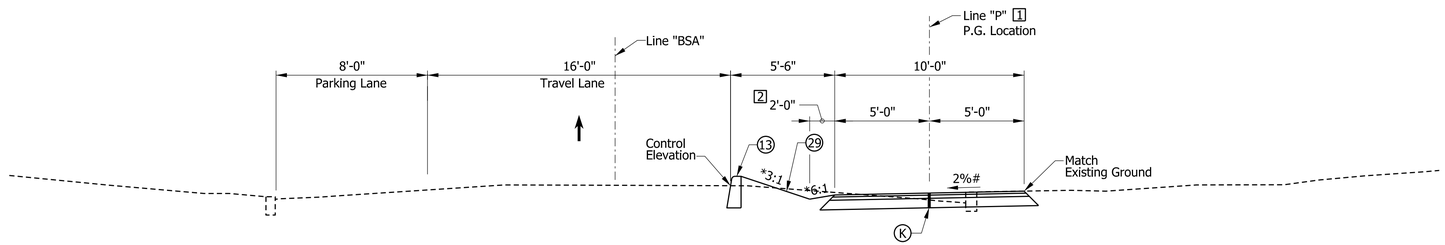
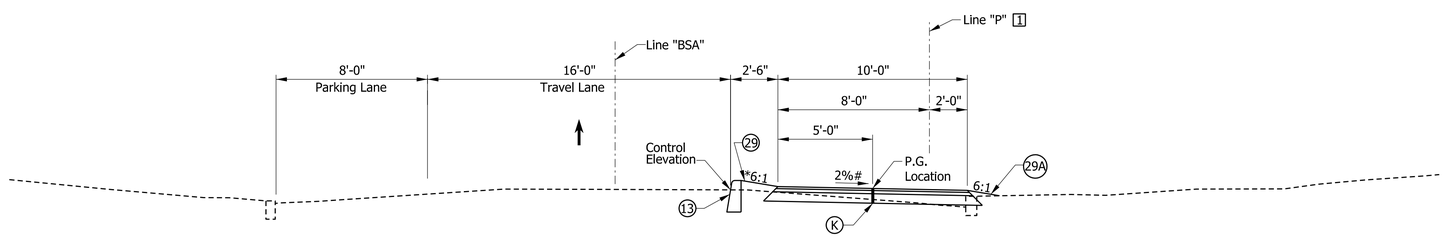


BROOKSIDE AVENUE

(From 10th St. to 12th St.)
Sta. 20+13.27 to Sta. 29+59.97 "P"



BROOKSIDE AVENUE

(From 12th St. to Arsenal Ave.)
Sta. 30+57.27 to Sta. 33+81.96 "P"

1 ℄ of Trail
P.G. Elevation Based
on Control Elevation

2 Varies From 2'-0" at Sta. 22+00.00 to 1'-0" at Sta. 23+50.00 "P"
1'-0" From Sta. 23+50.00 to Sta. 29+59.97 "P"

* Unless Noted Otherwise on Cross Sections

\# See Slope Transition Table (Next Sheet) and Cross Sections

K 140 Lb/Yd HMA Surface Type A on 220lb/yd HMA Intermediate, Type A 6" of Compacted Aggregate No. 53. Base	13 Concrete Curb, 6" (Unless Specified Otherwise)
C Sidewalk, Concrete, 4"	29 Seed Mix, Type "U"
	29A Mulch

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 4'-0"	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	9 of 47
CONTRACT	PROJECT
	PA-25-001

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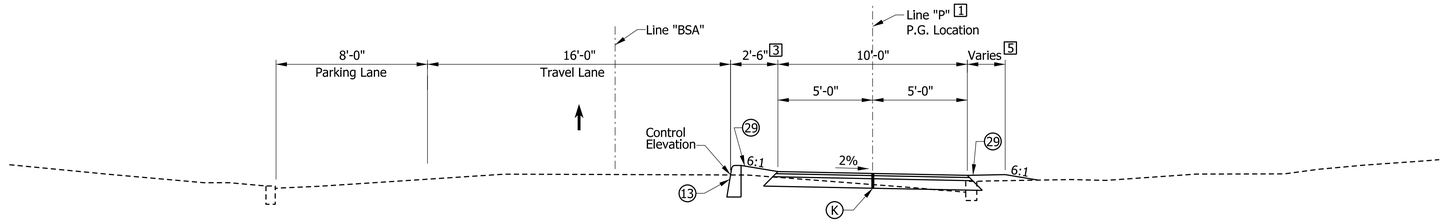
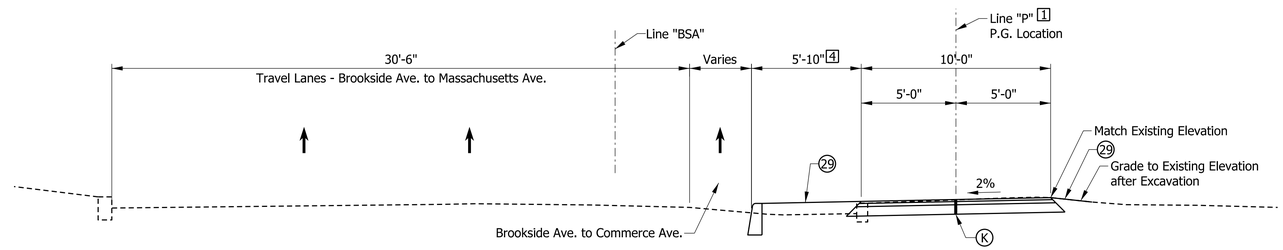


BROOKSIDE AVENUE

(From Arsenal Ave. to Brookside Ave.)
Sta. 34+40.26 to Sta. 38+00.00 "P"

3 2'-6" from Sta. 34+40.26 to Sta. 37+51.94
Varies from 2'-6" at Sta. 37+51.94 to 4'-4" at Sta. 38+00.00

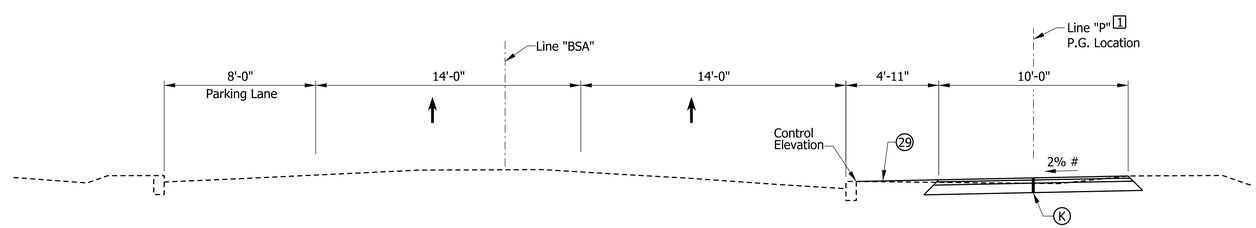
5 2'-0" from Sta. 32+50.00 to Sta. 34+00.00



BROOKSIDE AVENUE

(From Arsenal Ave. to Brookside Ave.)
Sta. 38+00.00 to Sta. 39+31.63 "P"

4 Varies from 4'-4" at Sta. 38+00.00 to 5'-10" at 38+40.00
Varies from 5'-10" at 38+40.00 to 4'-11" at Sta. 39+31.63



BROOKSIDE AVENUE

(From Brookside Ave. to Commerce Ave.)
Sta. 39+31.63 to Sta. 44+12.52 "P"

1 ℄ of Trail
P.G. Elevation Based
on Control Elevation

* Unless Noted Otherwise on Cross Sections
\# See Slope Transition Table & Cross Sections

SLOPE TRANSITION TABLE

FROM STA. LINE "P"	SLOPE	TO STA. LINE "P"	SLOPE
21+50	2% Lt.	22+00	0.50% Lt.
30+50	2% Lt.	31+00	2% Rt.
37+00	2% Rt.	37+50	2% Lt.
38+50	2% Lt.	39+50	1% Lt.
40+00	1% Lt.	41+00	1% Rt.
41+00	1% Rt.	41+50	2% Rt.
43+50	2% Rt.	44+00	2% Lt.

K 140 Lb/Yd HMA Surface Type A on 220lb/yd HMA Intermediate, Type A 6" of Compacted Aggregate No. 53. Base

C Sidewalk, Concrete, 4"

13 Concrete Curb, 6" (Unless Specified Otherwise)

29 Seed Mix, Type "U"

29A Mulch

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA | DRAWN: JSS
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 4'-0"	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	10 of 47
CONTRACT	PROJECT
	PA-25-001

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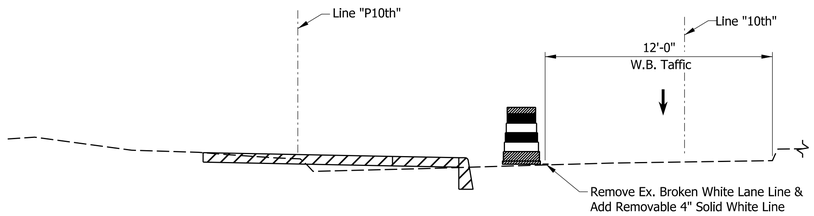
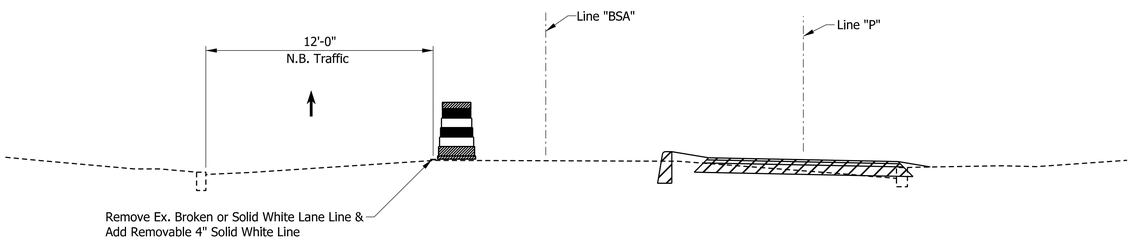


10th STREET

PHASE 1



BROOKSIDE AVENUE

PHASE 1

SEQUENCE OF OPERATION

PHASE 1

1. Remove Existing Pavement Markings and add Snowplowable Raised Pavement Markers. Install Removable Temporary Pavement Markings.

2. Construct Proposed Curb & Trail while maintaining one lane of traffic on W.B. 10th St. & on N.B. Brookside Ave.

PHASE 1A

1. Install Removable Temporary Pavement Markings.

2. Construct the Trail and Curb Ramp on the Northwest Quadrant of 10th St. & Brookside Ave.

3. Remove Temporary Pavement Markings.

4. Install Permanent Pavement Markings.

MAINTENANCE OF TRAFFIC QUANTITIES

Pay Item Description	Unit	Phase 1	Phase 1A	TOTAL
MAINTAINING TRAFFIC	LS	1	1	**1**
CONSTRUCTION SIGN, A	EACH	23	3	**23**
CONSTRUCTION SIGN, B	EACH	15	2	**15**
FLASHING ARROW SIGN	DAYS	60	0	**60**
LINE, REMOVE	LFT	2430		**2430**
TEMPORARY PAVEMENT MARKING, 4 IN.	LFT	2430	70	**2500**

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA | DRAWN: JSS

CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	11 of 47
CONTRACT	PROJECT
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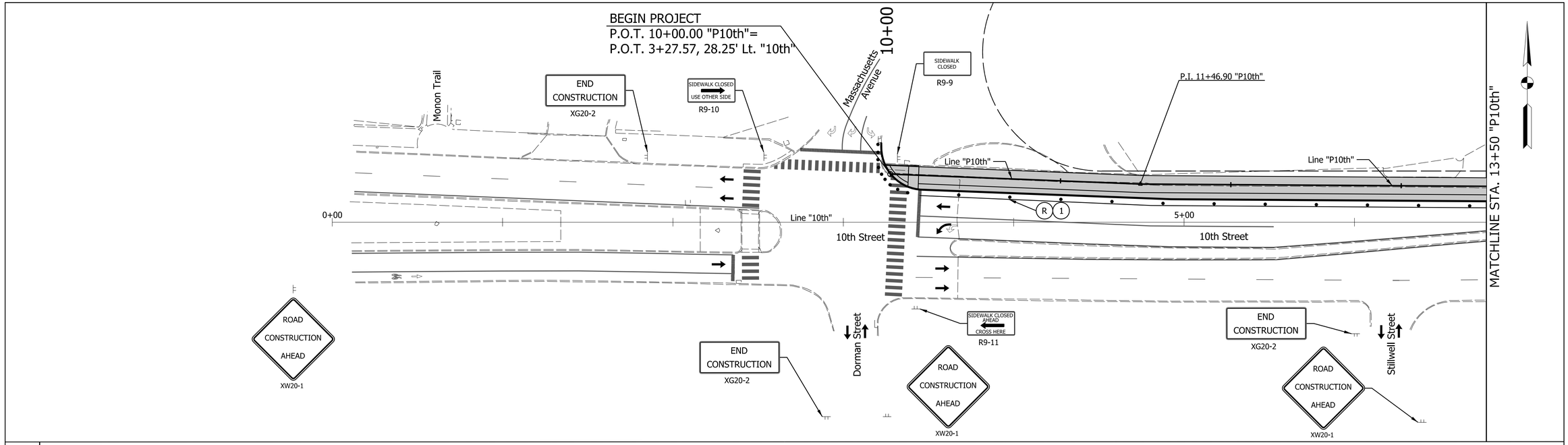

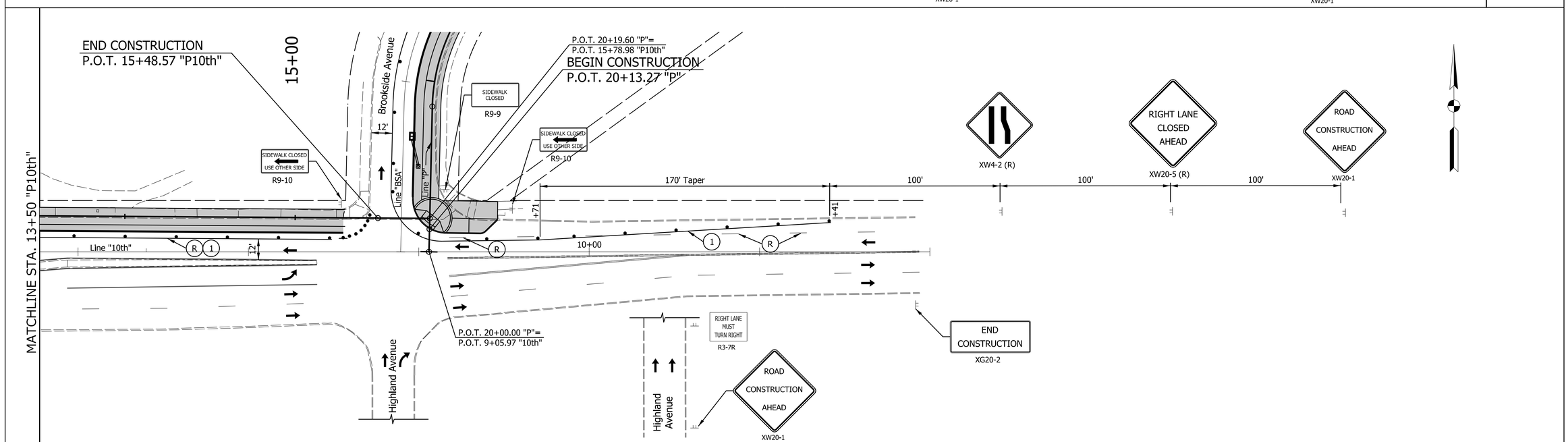

LEGEND

- (1) Temp. Pavm't Marking, Removable, Solid, White, 4"
- (E) Existing Pavement Marking or Temporary Pavement Marking from Previous Phase
- (R) Existing Pavement Marking or Temporary Pavement Marking to be Removed
- Direction of Traffic
- Standard Drum
- Proposed Construction

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 4-16-2015

DESIGNED: VA | DRAWN: JSS
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MAINTENANCE OF TRAFFIC
PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	12 of 47
CONTRACT	PROJECT
	PA-25-001

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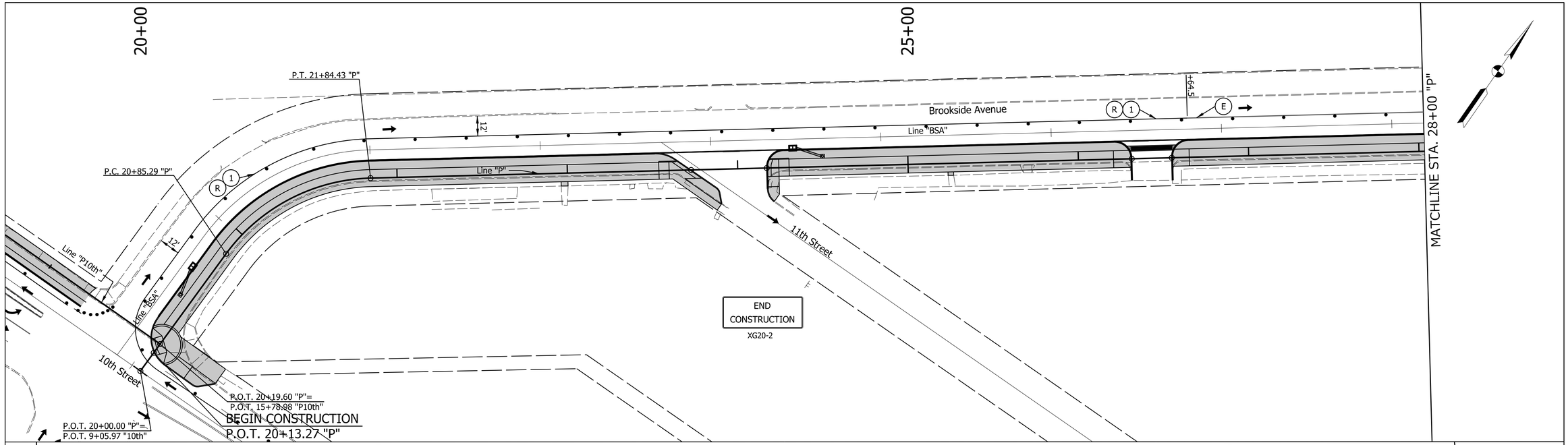

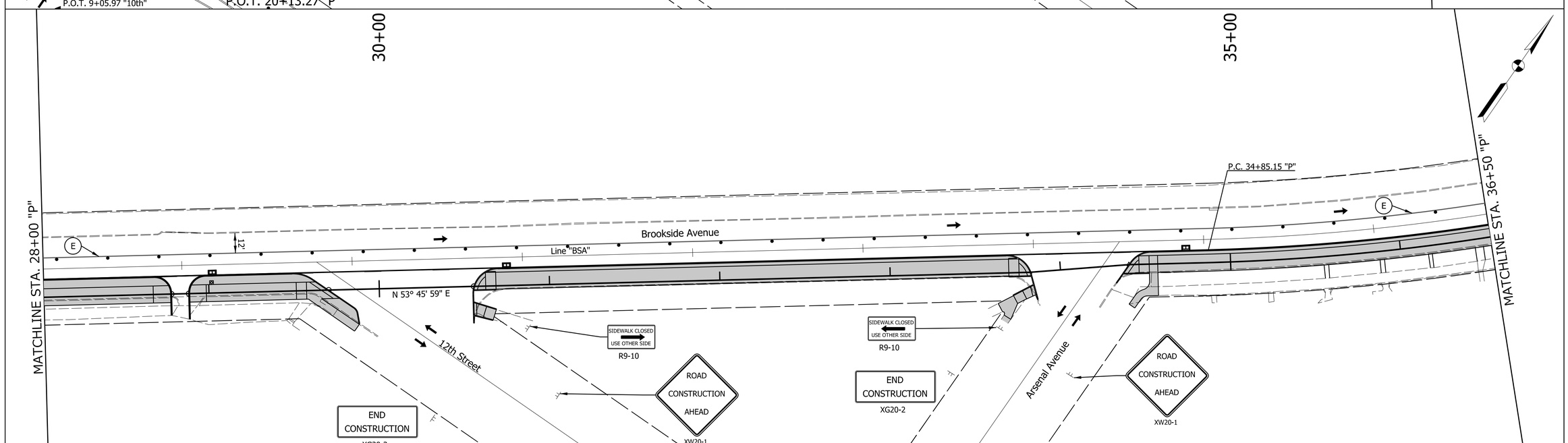

LEGEND

- (1) Temp. Pavm't Marking, Removable, Solid, White, 4"
- (E) Existing Pavement Marking or Temporary Pavement Marking from Previous Phase
- (R) Existing Pavement Marking or Temporary Pavement Marking to be Removed
- Direction of Traffic
- Standard Drum
- Proposed Construction

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 4-16-2015

DESIGNED: VA | DRAWN: JSS
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MAINTENANCE OF TRAFFIC
PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	13 of 47
CONTRACT	PROJECT
	PA-25-001

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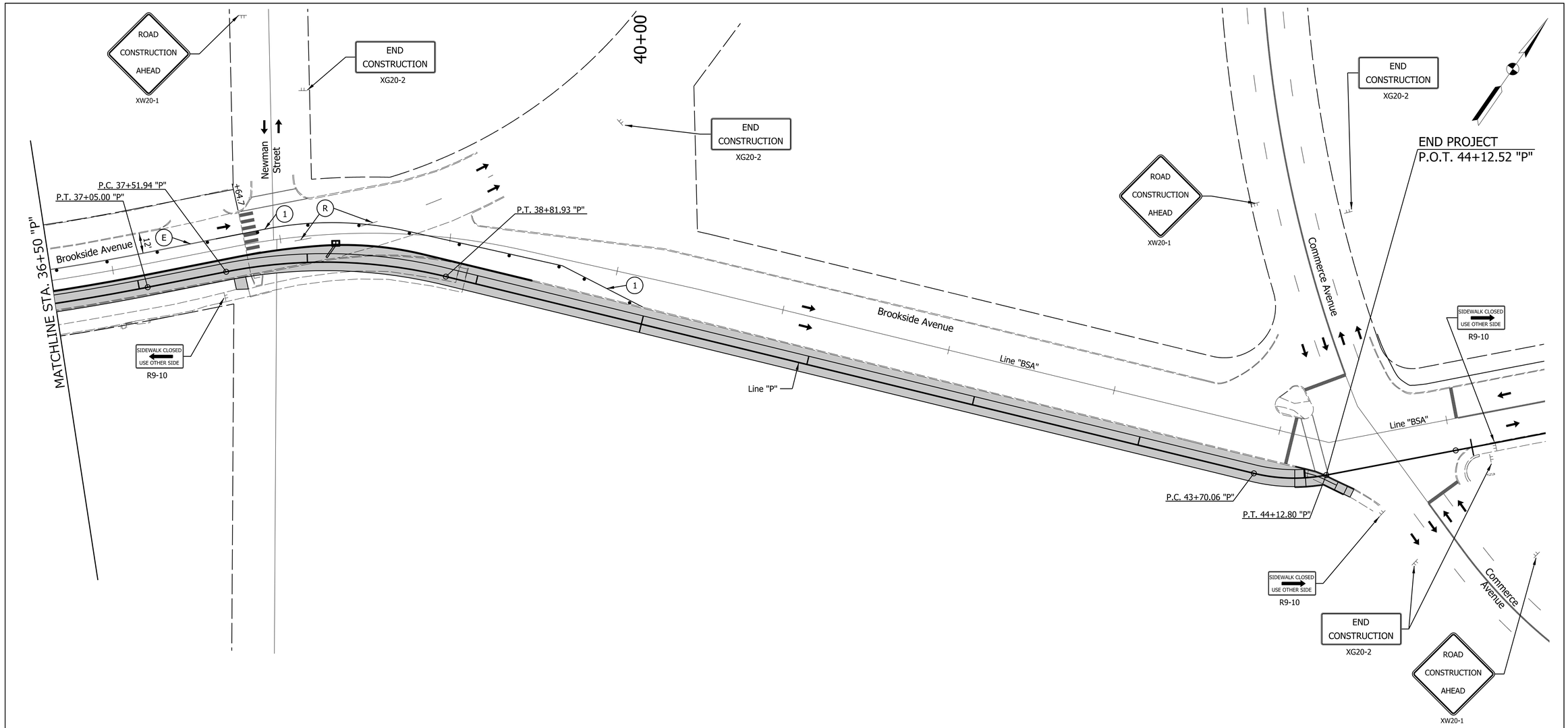

LEGEND

(1) Temp. Pavm't Marking, Removable, Solid, White, 4"

(E) Existing Pavement Marking or Temporary Pavement Marking from Previous Phase

(R) Existing Pavement Marking or Temporary Pavement Marking to be Removed

Direction of Traffic

Standard Drum

Proposed Construction

KEVIN J. RECARICH REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: VA | DRAWN: JSS

CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MAINTENANCE OF TRAFFIC
PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	14 of 47
CONTRACT	PROJECT
	PA-25-001

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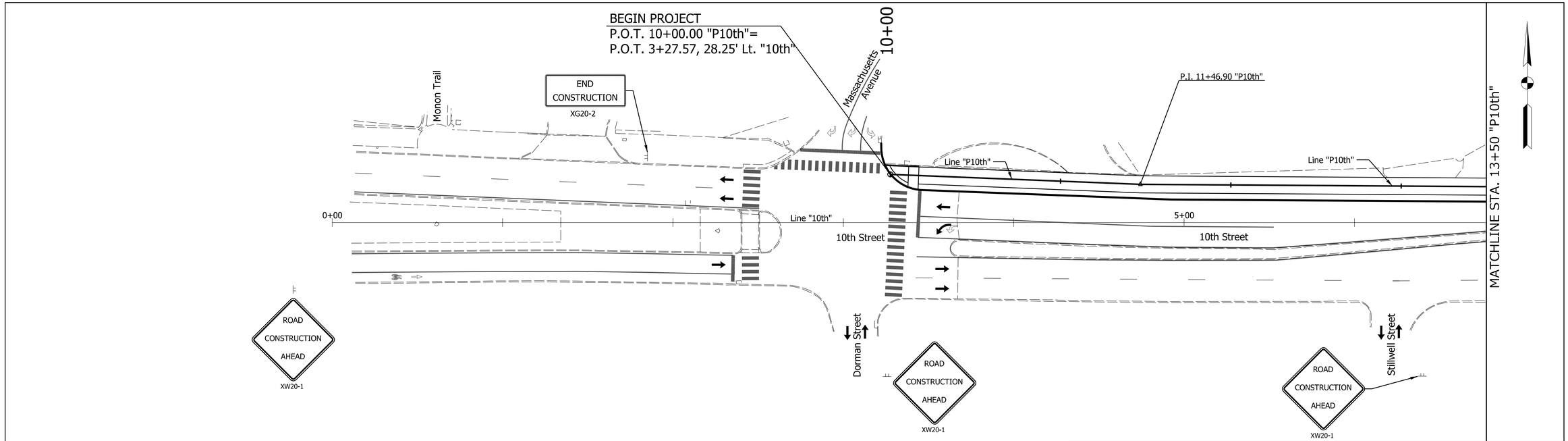
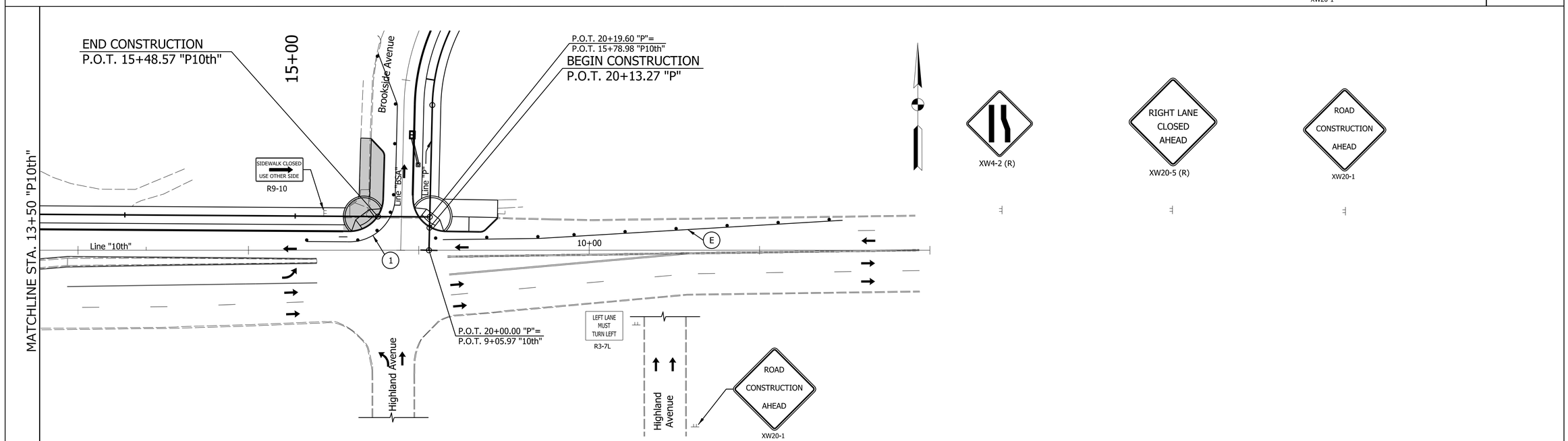




LEGEND

1 Temp. Pavm't Marking, Removable, Solid, White, 4"

E Existing Pavement Marking or Temporary Pavement Marking from Previous Phase

R Existing Pavement Marking or Temporary Pavement Marking to be Removed

Direction of Traffic

Standard Drum

Proposed Construction

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 4-16-2015

DESIGNED: VA | DRAWN: JSS

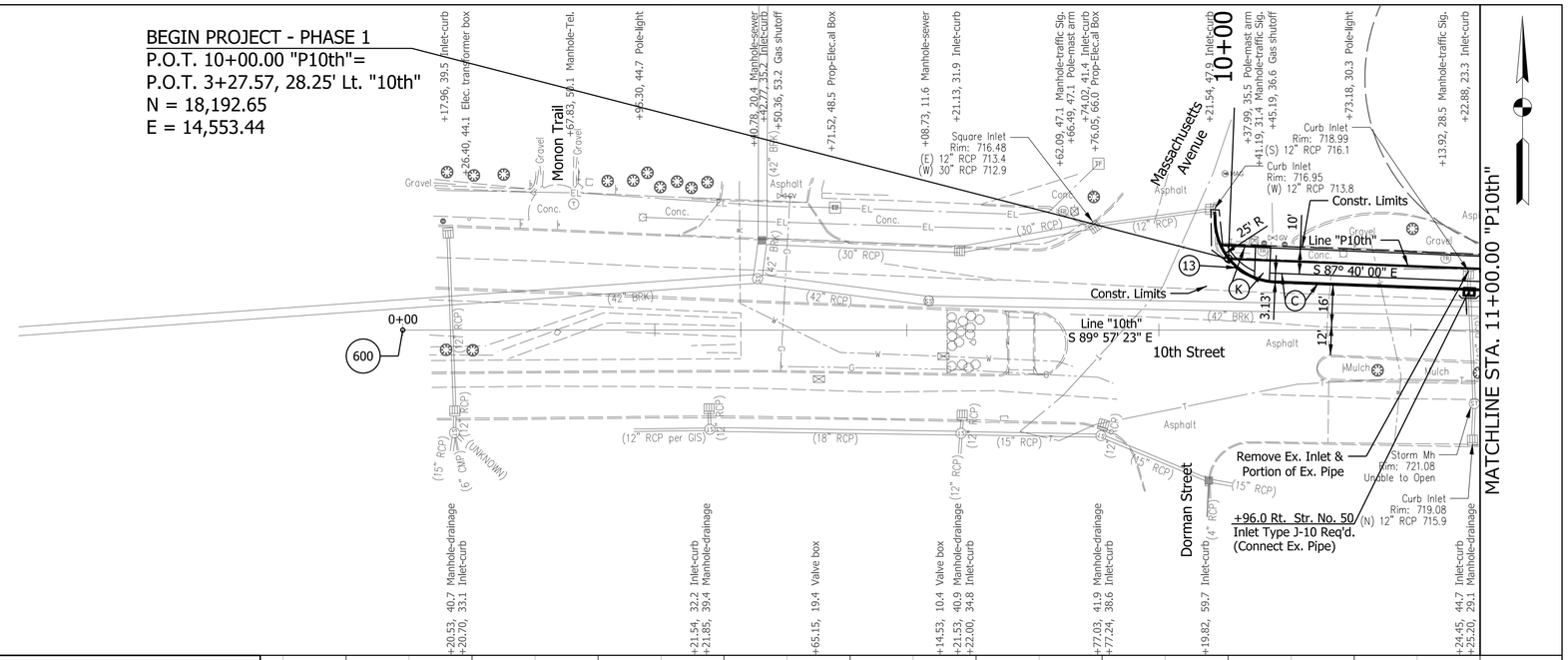
CHECKED: ACD | CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MAINTENANCE OF TRAFFIC
PHASE 1A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	15 of 47
CONTRACT	PROJECT
	PA-25-001

V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\10 BaseSets\Sht MOT_30_04.dgn

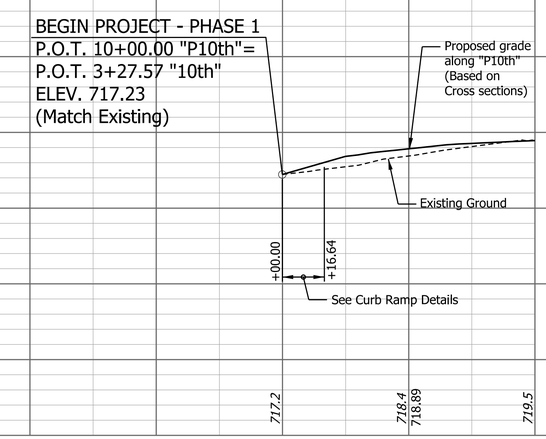


NOTE: Topo callouts are from Line "10th".
All other callouts are from Line P10th"
unless noted otherwise.

EARTHWORK SUMMARY:

	P10th	P	Totals	Units
Fill + 20% =	38	68	**106**	**CYS**
Common Excavation =	102	640	**742**	**CYS**
+Borrow/Spoil =	-65	-571	**-636**	**CYS**
*Benching =				

* Benching will not be paid for directly. Cost of benching to be included in the cost of other items in the contract.



LEGEND

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- (C) Sidewalk, Concrete, 4"
- (13) Concrete Curb, 6" (Unless Specified Otherwise)
- (29) Seed Mix, Type "U"
- (29A) Mulch

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DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFLE
LINE "P10th"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
	16 of 47
CONTRACT	PROJECT
	PA-25-001

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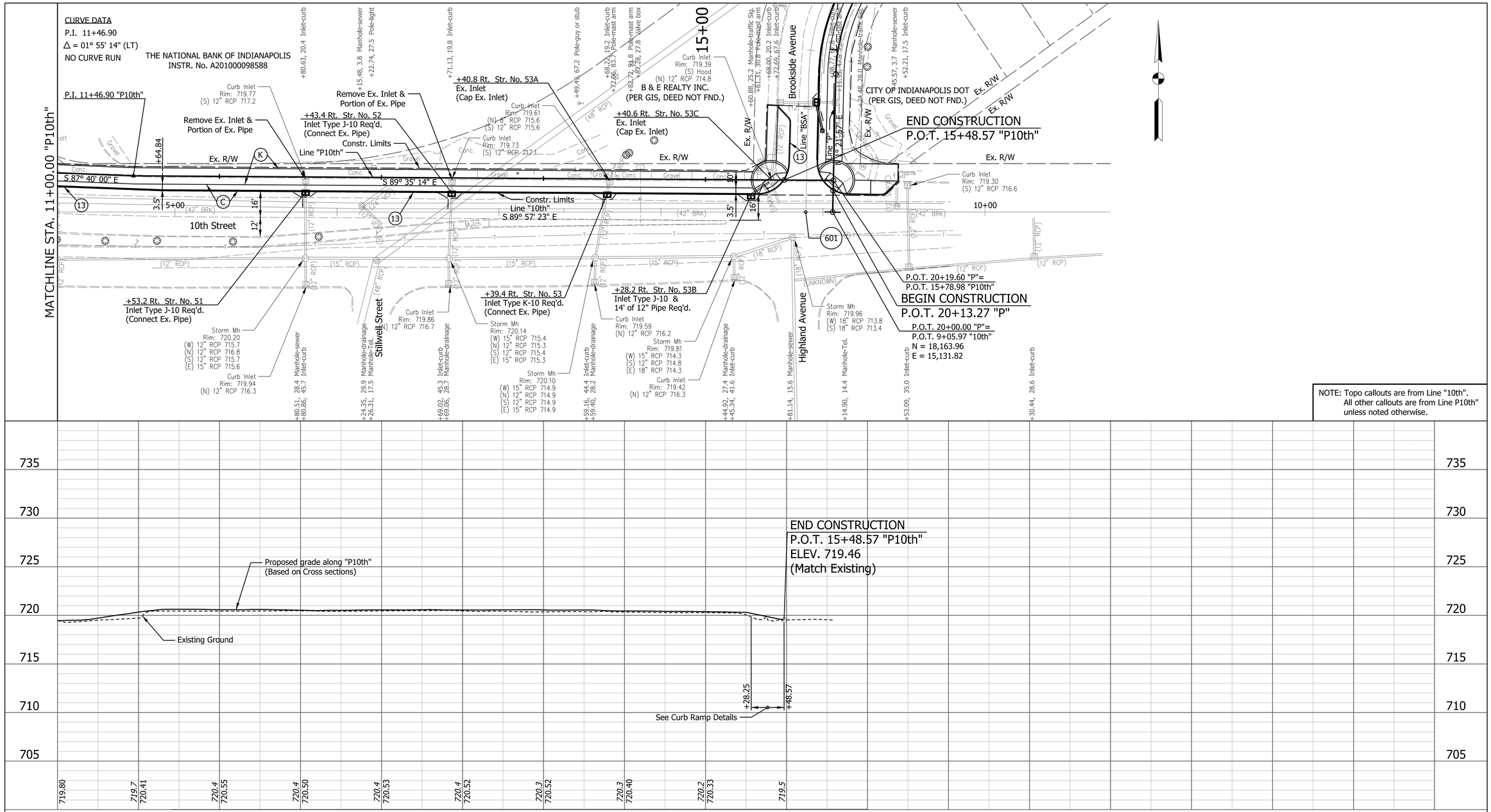

LEGEND

(K)	140 Lb/Yd HMA Surface Type A on 220lb/yd HMA Intermediate, Type A 6" of Compacted Aggregate No. 53. Base	(13)	Concrete Curb, 6" (Unless Specified Otherwise)
(C)	Sidewalk, Concrete, 4"	(29)	Seed Mix, Type "U"
		(29A)	Mulch

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DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE
LINE "P10th"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
	17 of 47
CONTRACT	PROJECT
	PA-25-001

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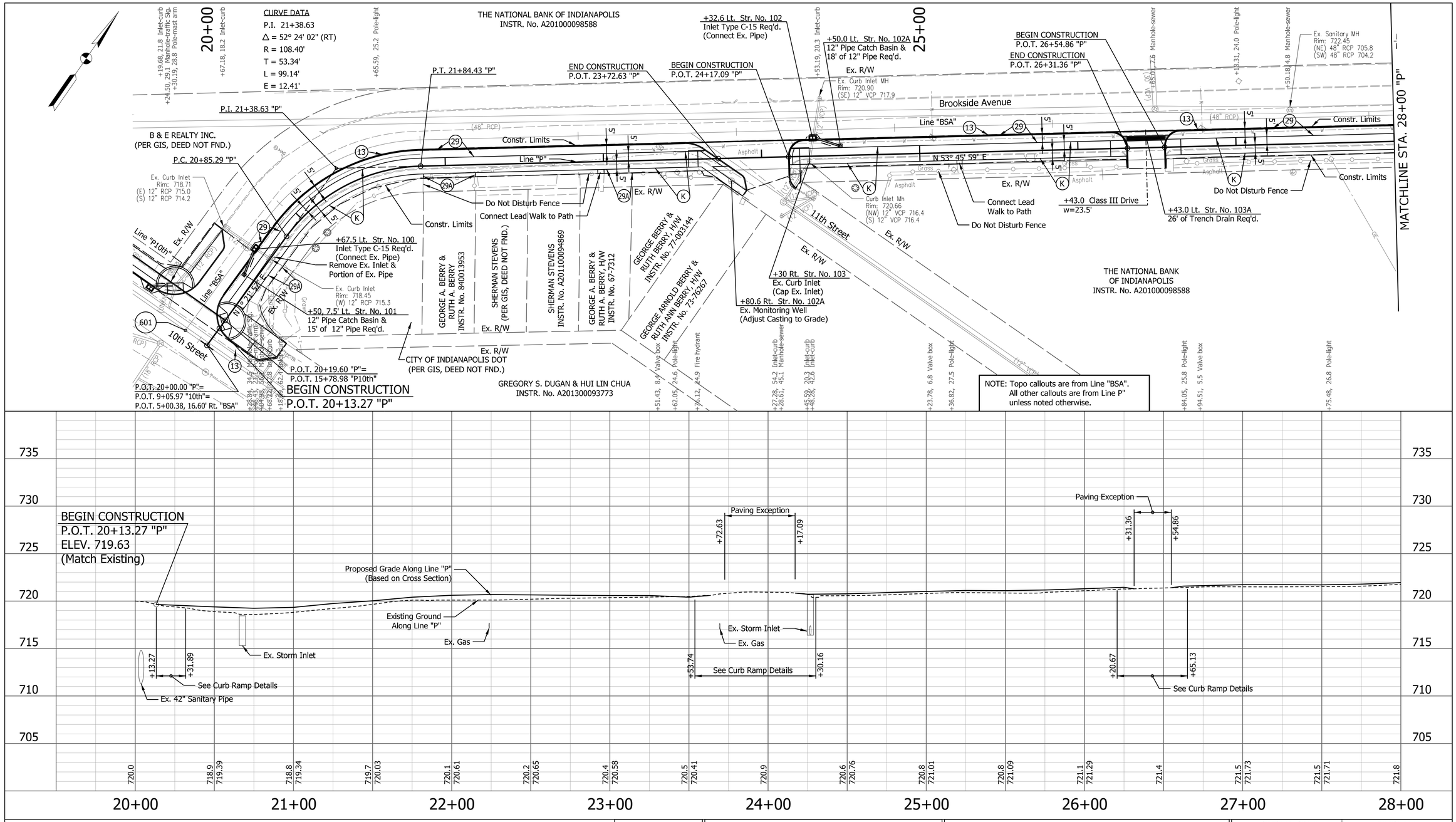

LEGEND

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFLE
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
	18 of 47
CONTRACT	PROJECT
	PA-25-001

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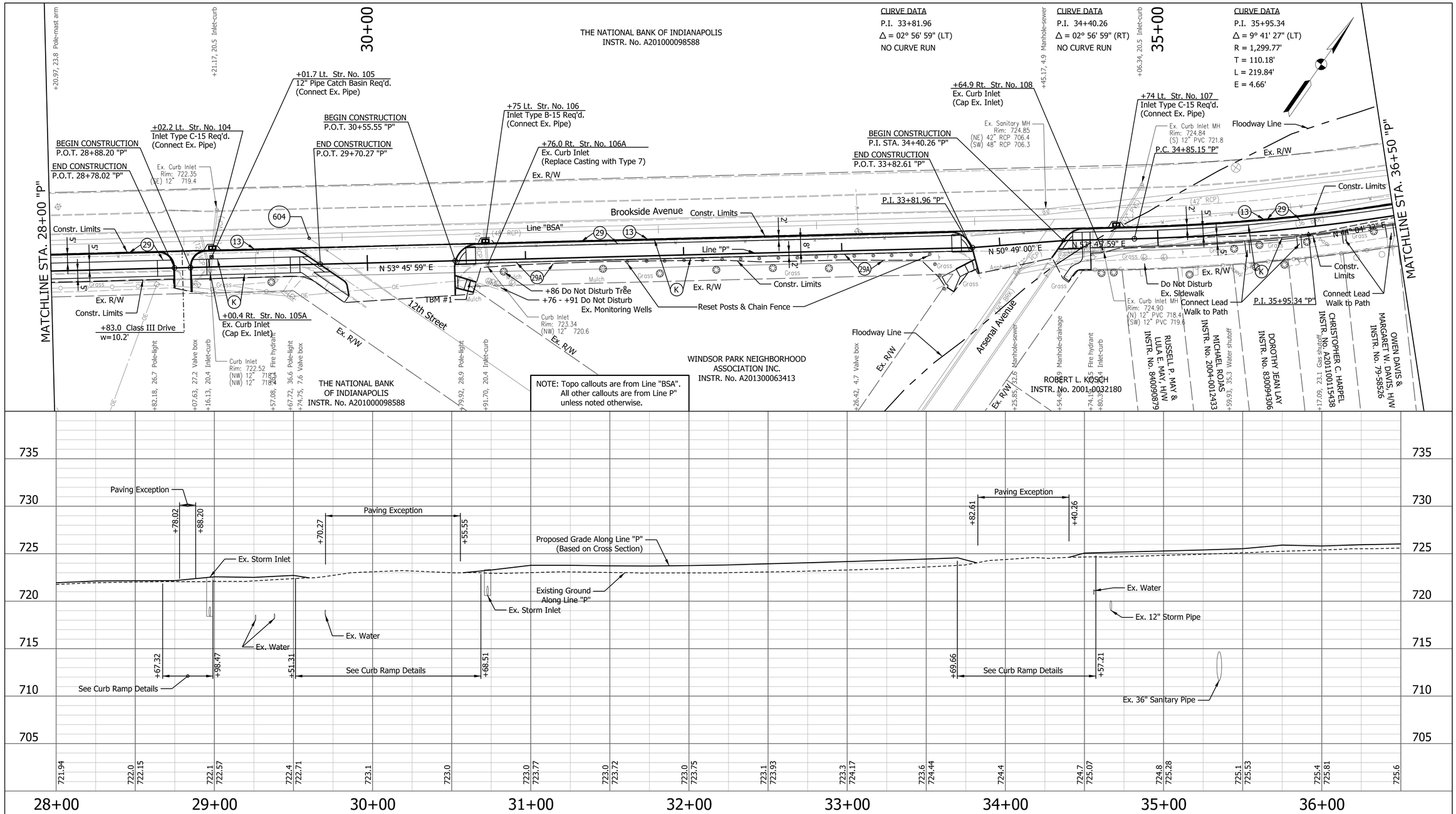

LEGEND

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFLE
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
	19 of 47
CONTRACT	PROJECT
	PA-25-001

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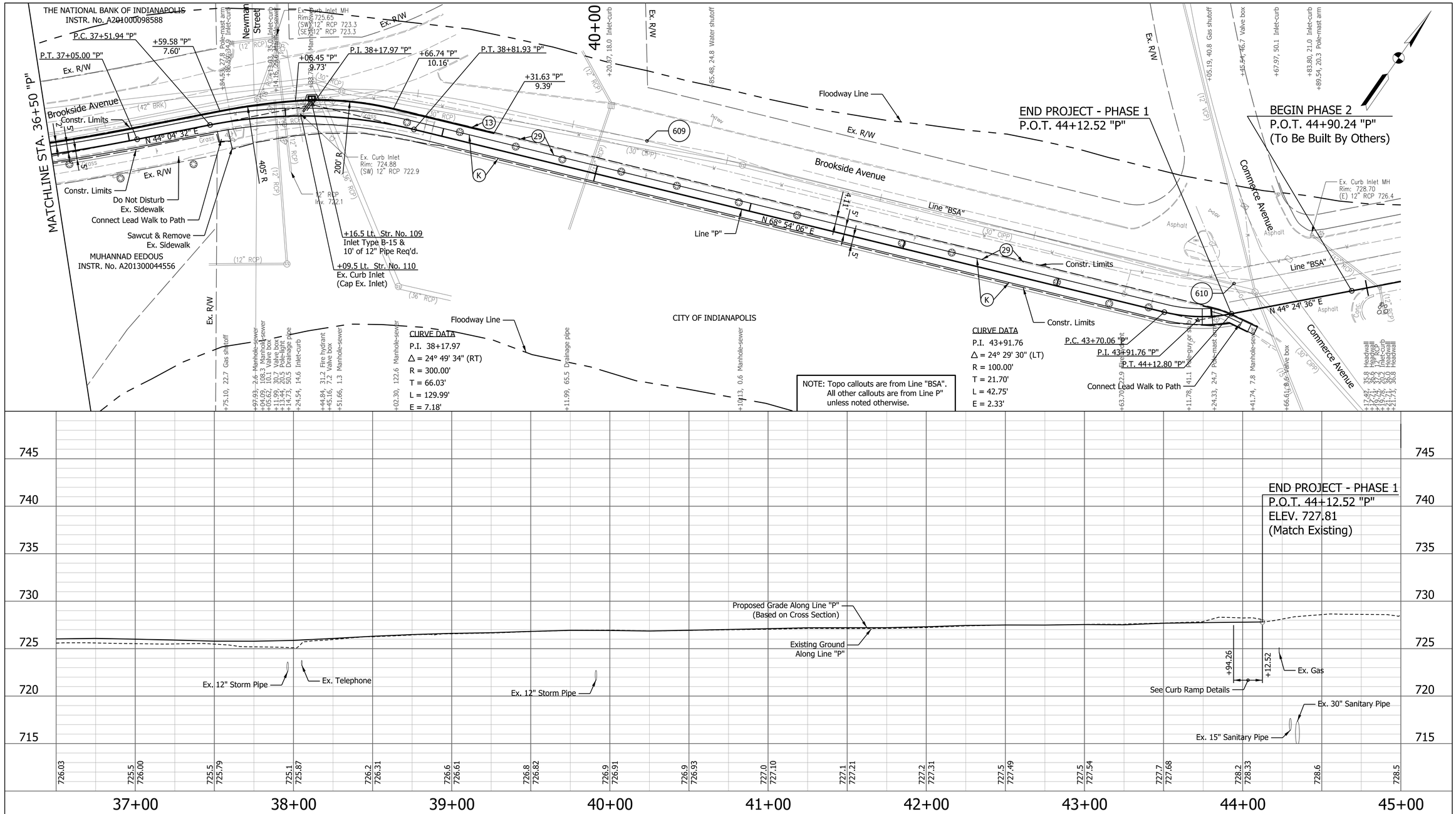

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFLE
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
	20 of 47
CONTRACT	PROJECT
	PA-25-001

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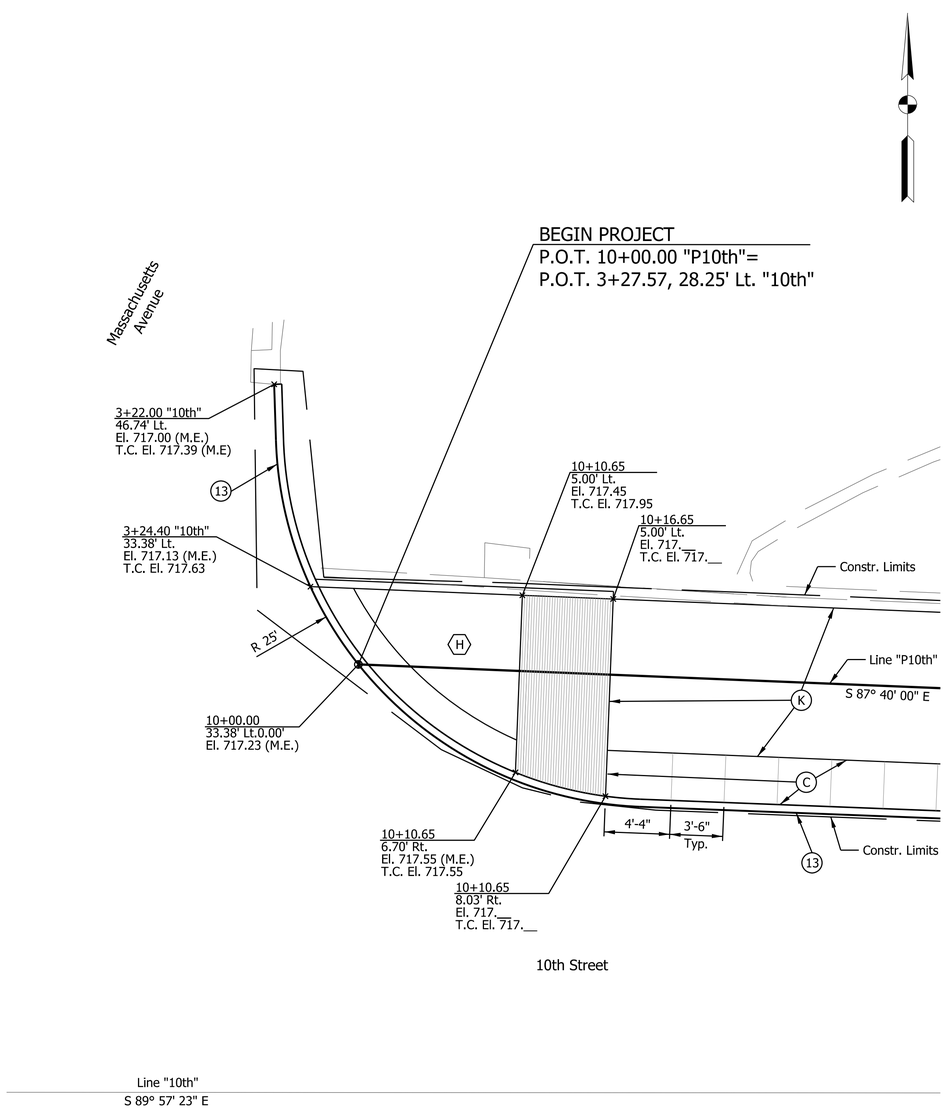

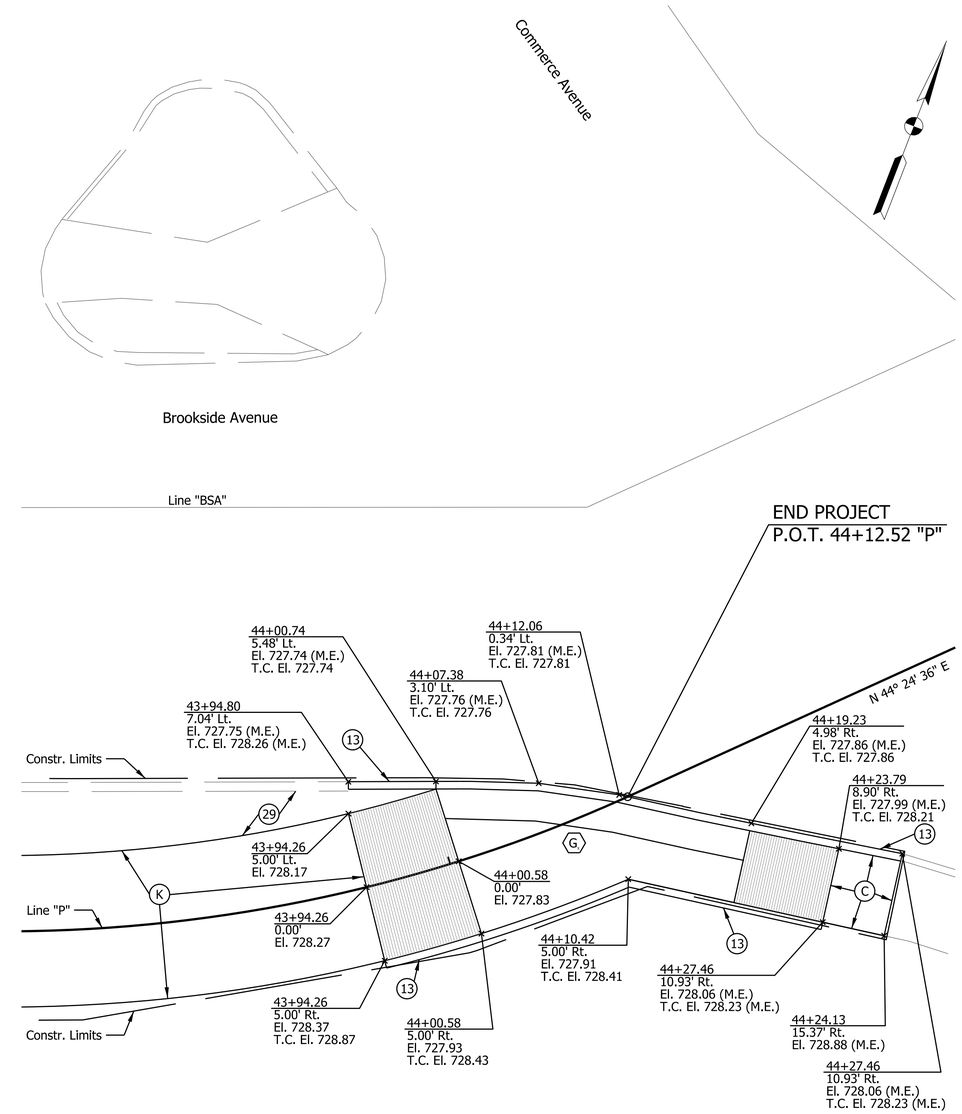

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- Modified Curb Ramp, Concrete (Type Indicated by Letter)
- # / XX Plant Code & Quantity

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS 21 of 47
CONTRACT	PROJECT PA-25-001

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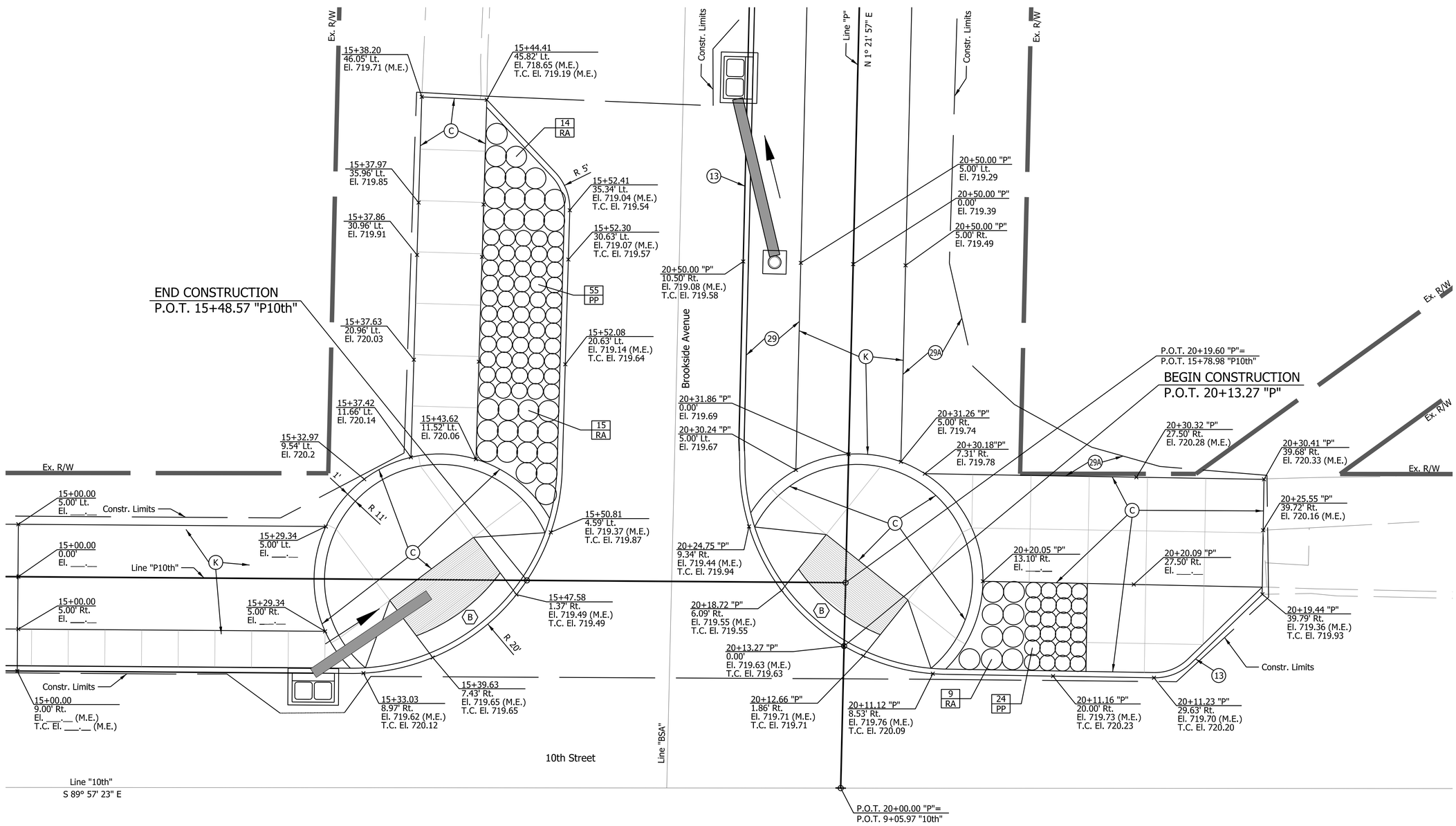

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CITY OF INDIANAPOLIS
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CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	22 of 47
CONTRACT	PROJECT
	PA-25-001

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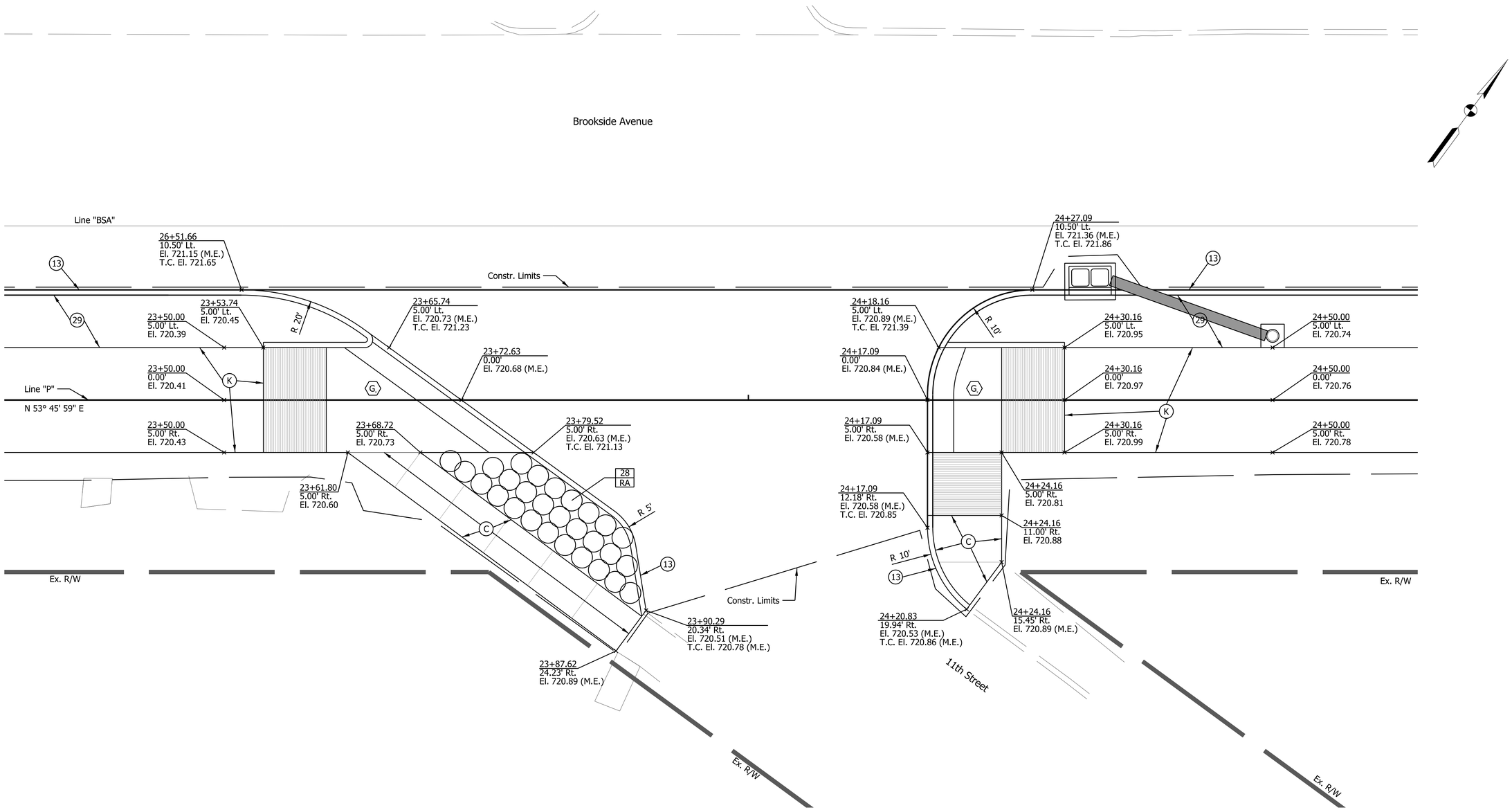

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DESIGNED: VA DRAWN: JSS

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	23 of 47
CONTRACT	PROJECT
	PA-25-001

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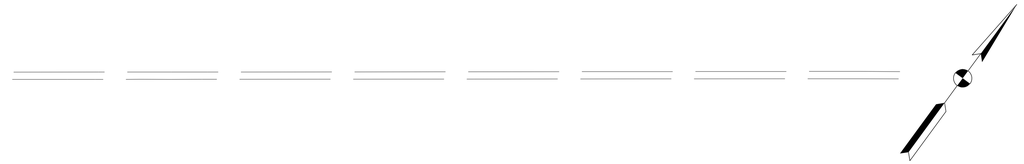
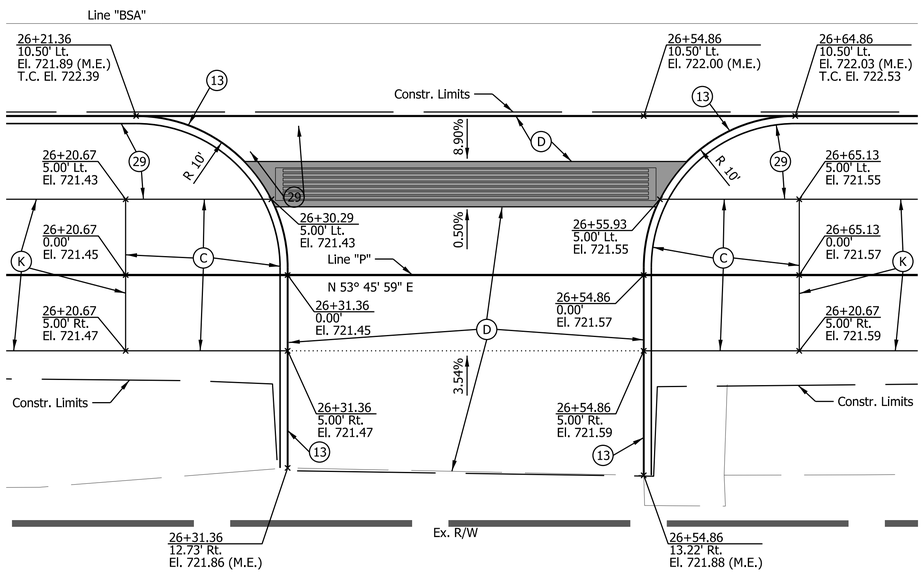
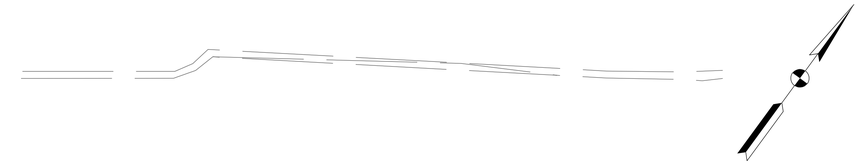
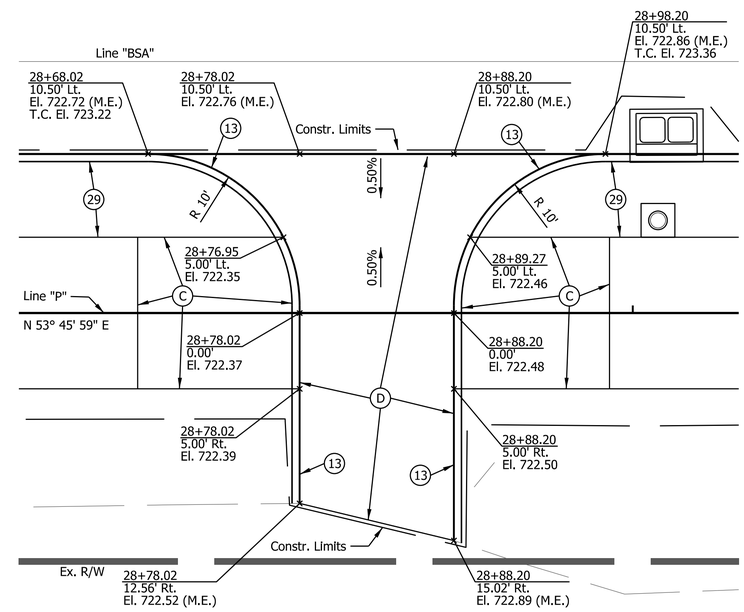


Brookside Avenue





Brookside Avenue



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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	24 of 47
CONTRACT	PROJECT
	PA-25-001

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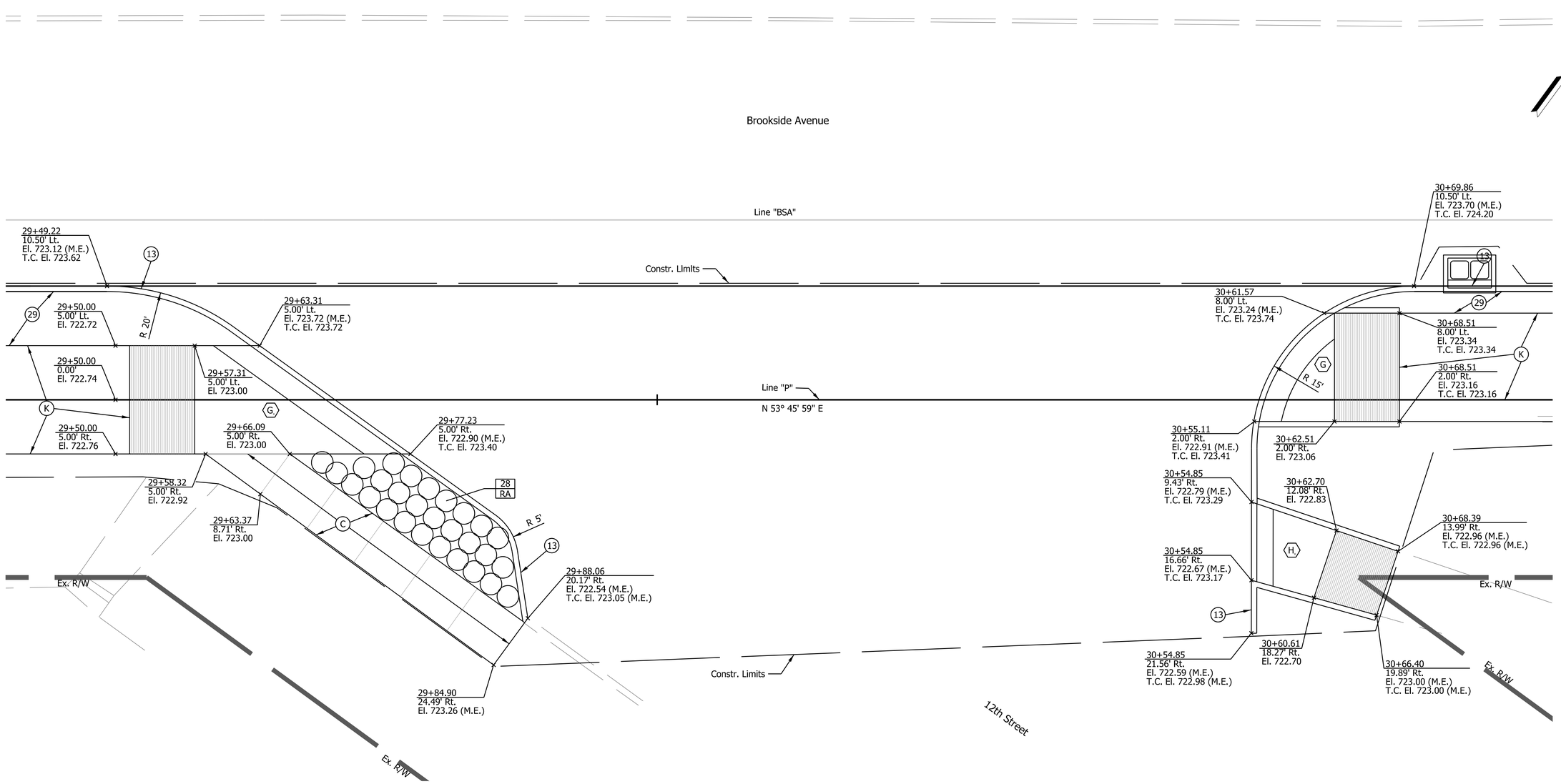

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DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	25 of 47
CONTRACT	PROJECT
	PA-25-001

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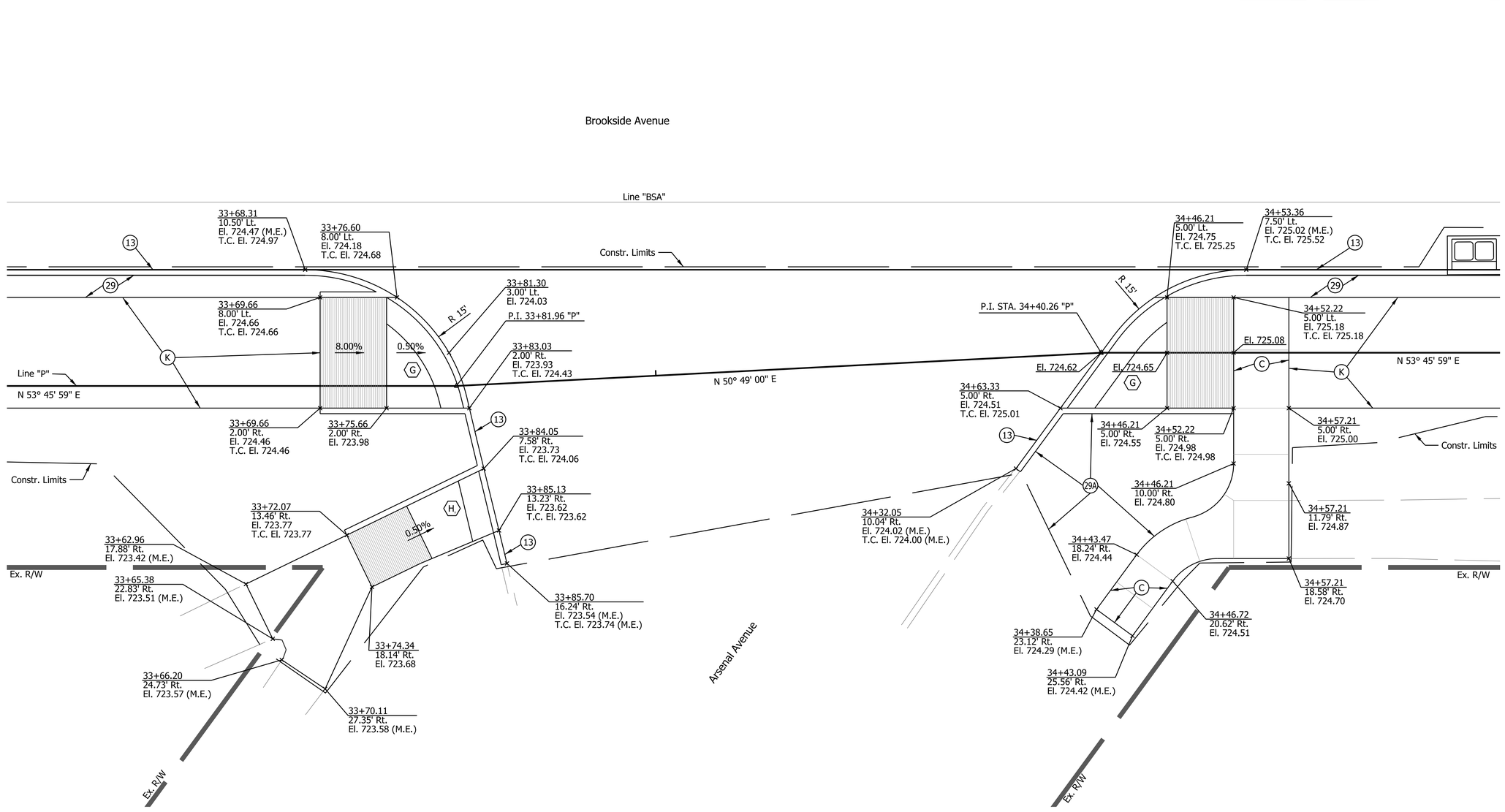

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CONSTRUCTION DETAIL
CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	26 of 47
CONTRACT	PROJECT
	PA-25-001

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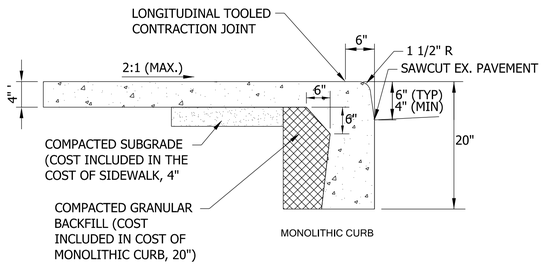
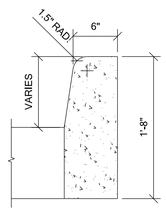


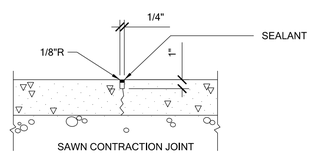
MONOLITHIC CURB



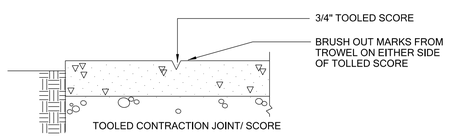
STRAIGHT CURB

CURB DETAILS

NO SCALE



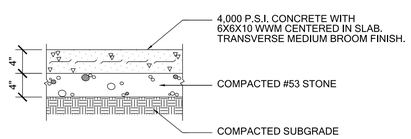
SAWN CONTRACTION JOINT



TOOLED CONTRACTION JOINT/ SCORE

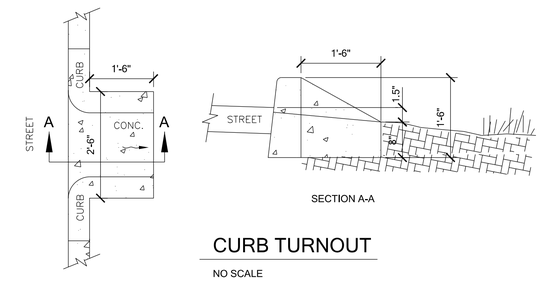
CONCRETE JOINTS

NO SCALE



CONCRETE PAVEMENT

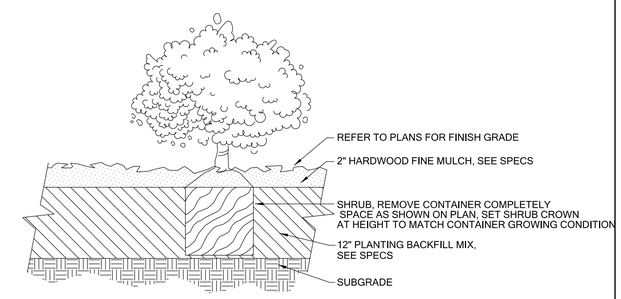
NO SCALE



SECTION A-A

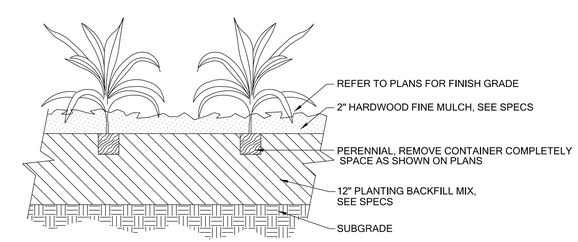
CURB TURNOUT

NO SCALE



SHRUB PLANTING

NO SCALE



PERENNIAL PLANTING

NO SCALE

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

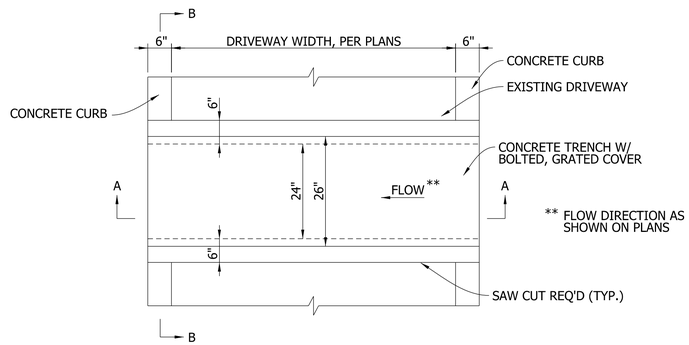
DESIGNED: VA | DRAWN: JSS

CHECKED: ACD | CHECKED: VA

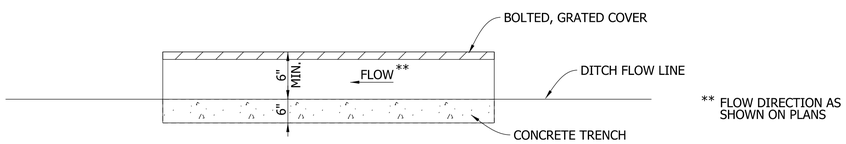
CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

SITE DETAILS

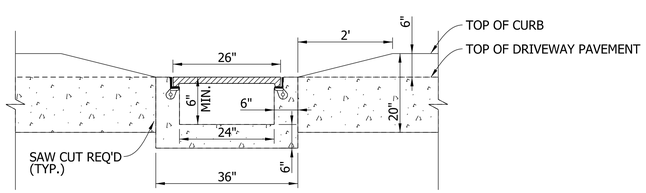
HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS 27 of 47
CONTRACT	PROJECT PA-25-001



PLAN VIEW



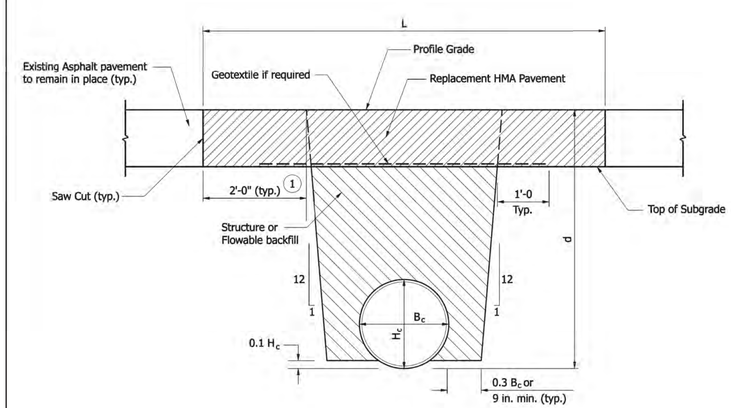
SECTION A-A



SECTION B-B

TRENCH DRAIN

N.T.S.



L = Pay limits of pavement removal and pavement replacement (ft); for cross pipe, measured along roadway centerline; for pipe parallel to roadway centerline, measured prependicular to pipe centerline.

B_c = Overall diameter or span (in.)

H_c = Overall diameter or rise (in.)

d = Vertical distance from flowline to profile grade (ft)

ASPHALT REPLACEMENT PAVEMENT

NOTES :

1. Existing subgrade over this distance shall remain in place.
2. The minimum pavement sections shall be as follows:
   HMA: 165 #/syd HMA Surface, Type A,B,C or D on
   variable HMA Intermediate, Type A, B, C or D
3. If underdrains are present, they shall be perpetuated in accordance with the details shown on Standard Drawing E 718-UNDR-01.
4. See Standard Drawing E 715-BKFL-01 for pipe backfill trench elevation view.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE BACKFILL METHOD 1
EXISTING ROADWAY, TRENCH

SEPTEMBER 2008

STANDARD DRAWING NO. E 715-BKFL-03

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 09/02/08
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/02/08
CHIEF HIGHWAY ENGINEER DATE

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

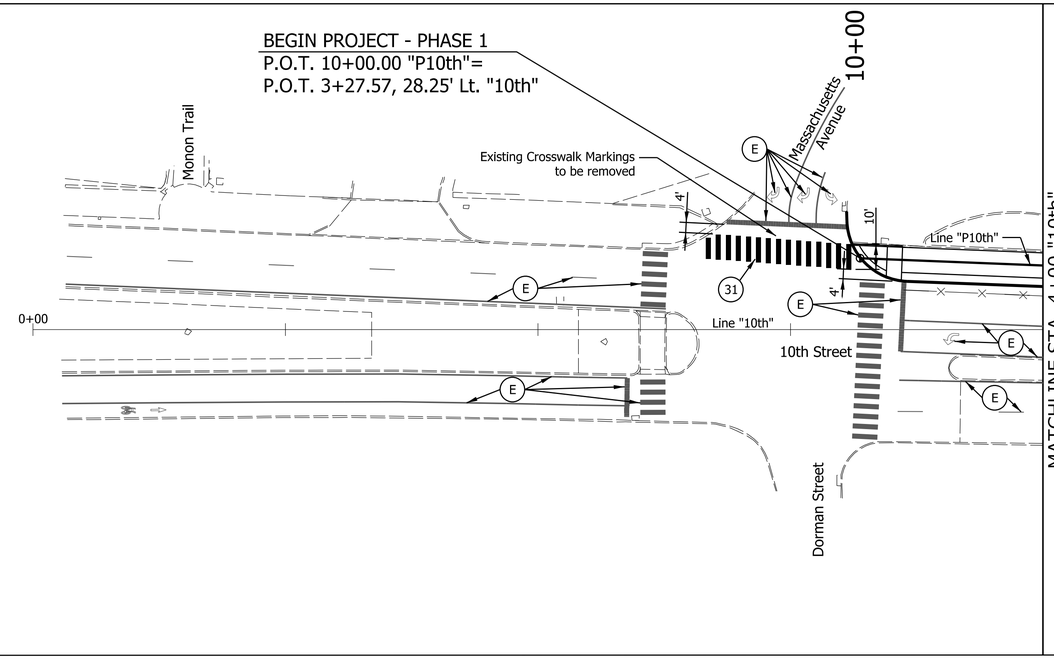
RECOMMENDED FOR APPROVAL 4-16-2015
DESIGN ENGINEER DATE

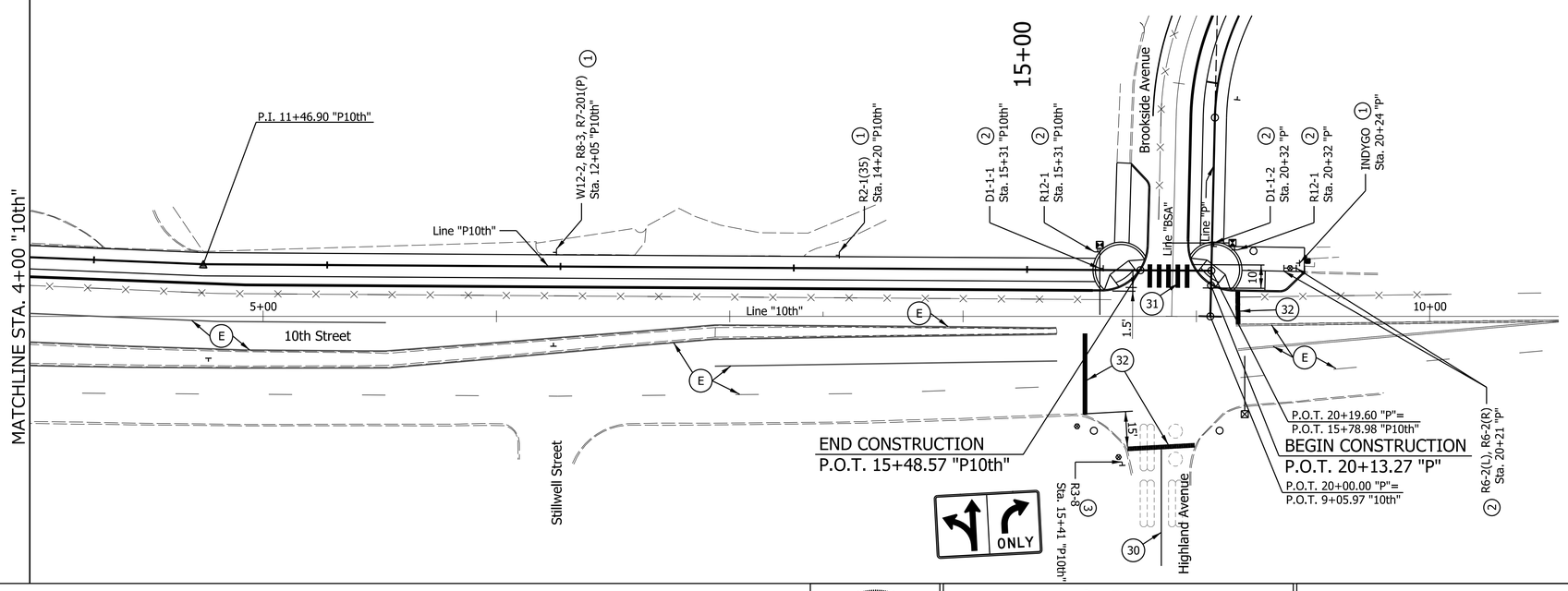
DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS 28 of 47
CONTRACT	PROJECT PA-25-001





LEGEND

(1)	No Changes Required to Existing Sign and Supports	(30)	Line, Solid, White, 4"	(E)	Existing Pavement Marking, to Remain
(2)	Existing Sign to be Relocated on New Supports	(31)	Transverse Marking, Crosswalk Line, White, 24"	—x—	Existing Pavement Marking Removal
(3)	Proposed Sign on New Supports	(32)	Stop Line, White, 24"		

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

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DESIGNED: RLH | DRAWN: CER
CHECKED: DAH | CHECKED: RLH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PAVEMENT MARKING & SIGN DETAILS
LINE "P10th"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	29 of 47
CONTRACT	PROJECT
	PA-25-001

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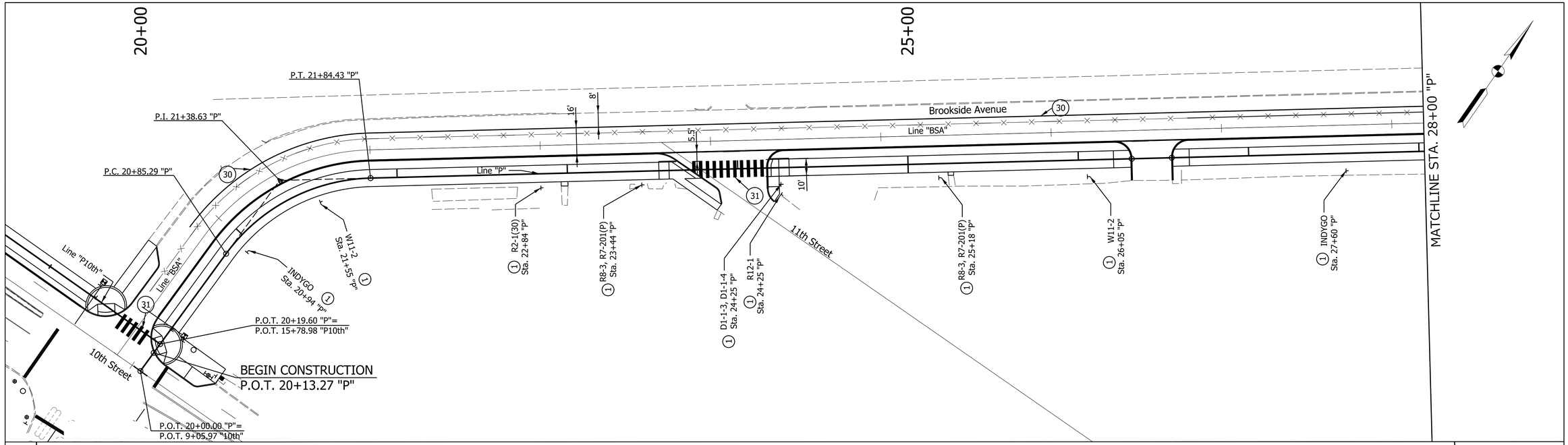

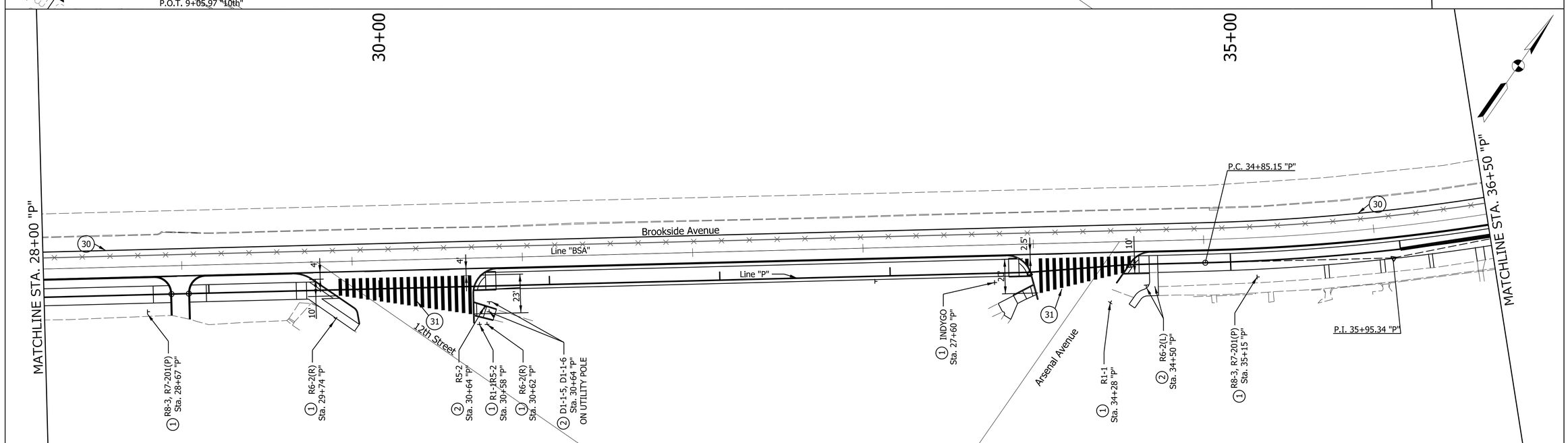

LEGEND

1	No Changes Required to Existing Sign and Supports	30	Line, Solid, White, 4"	E	Existing Pavement Marking, to Remain
2	Existing Sign to be Relocated on New Supports	31	Transverse Marking, Crosswalk Line, White, 24"	—×—	Existing Pavement Marking Removal
3	Proposed Sign on New Supports	32	Stop Line, White, 24"		

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 4-16-2015

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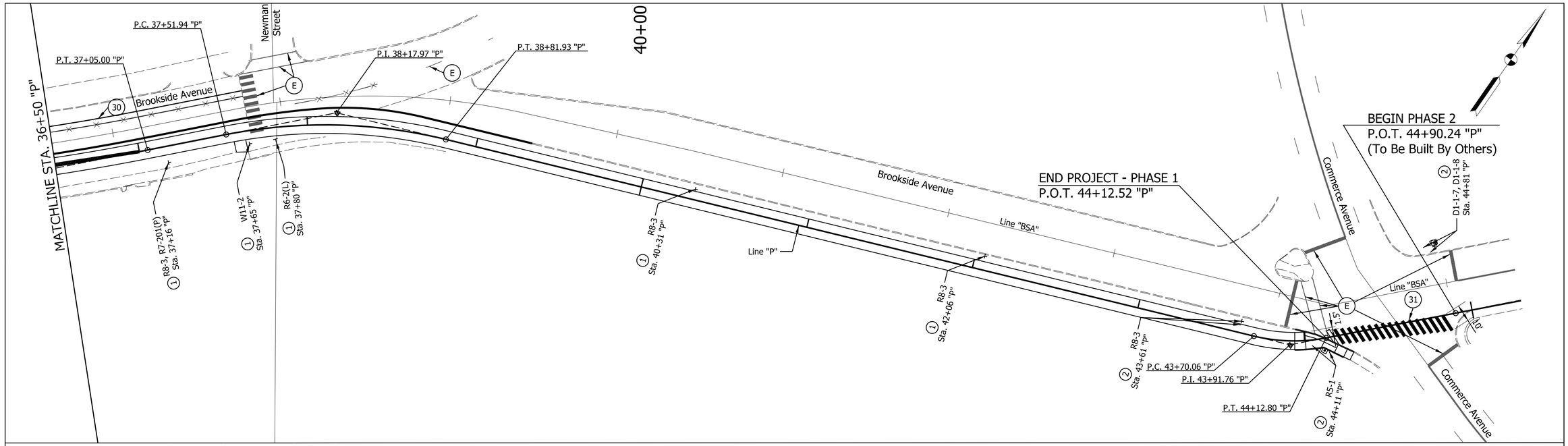
CHECKED: DAH | CHECKED: RLH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PAVEMENT MARKING & SIGN DETAILS
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	30 of 47
CONTRACT	PROJECT
	PA-25-001

V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\10 BaseSets\Sht Pavement Marking_30_02.dgn



LEGEND

1	No Changes Required to Existing Sign and Supports	30	Line, Solid, White, 4"	E	Existing Pavement Marking, to Remain
2	Existing Sign to be Relocated on New Supports	31	Transverse Marking, Crosswalk Line, White, 24"	—X—	Existing Pavement Marking Removal
3	Proposed Sign on New Supports	32	Stop Line, White, 24"		

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 4-16-2015 DATE

DESIGNED: RLH DRAWN: CER
CHECKED: DAH CHECKED: RLH

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

PAVEMENT MARKING & SIGN DETAILS
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	31 of 47
CONTRACT	PROJECT
	PA-25-001

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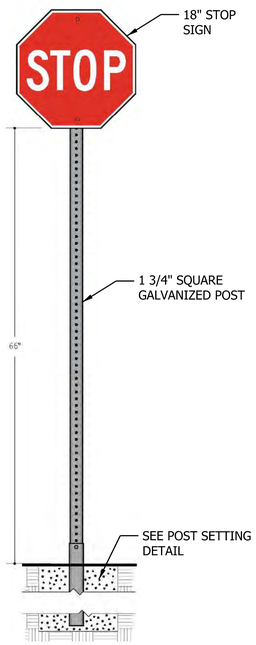
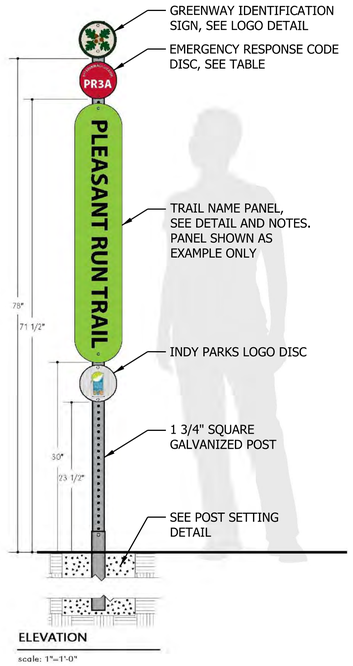


ELEVATION

scale: 1"=1'-0"

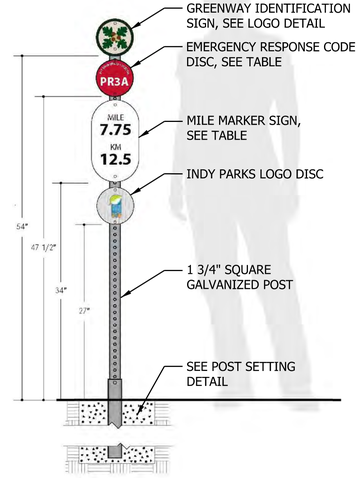
TRAIL TRAFFIC SIGN



ELEVATION

scale: 1"=1'-0"

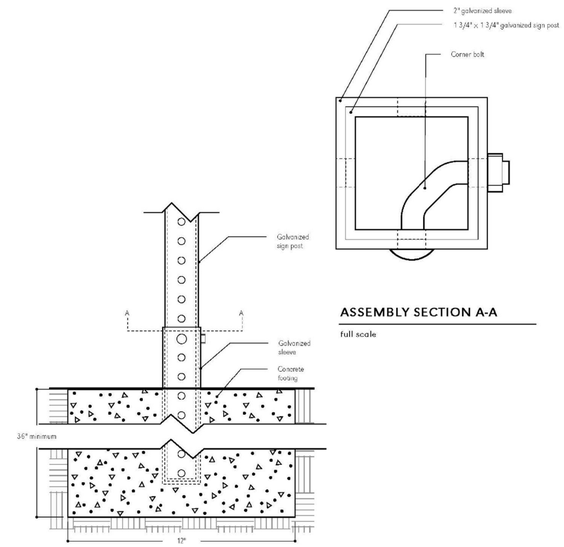
TRAIL IDENTITY SIGN



ELEVATION

scale: 1"=1'-0"

MILE MARKER SIGN



ASSEMBLY SECTION A-A

full scale

POST SETTING DETAIL

scale: 3"=1'-0"

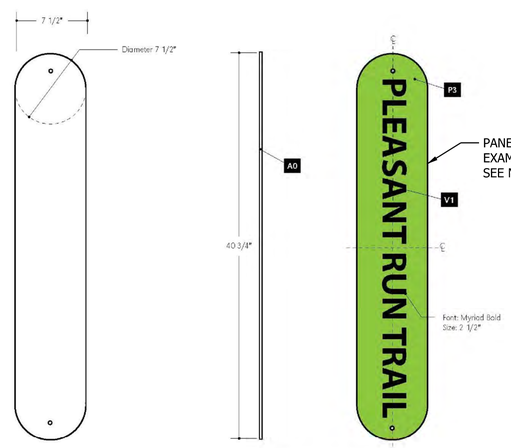
COLOR	VINYL	PAINT	ID
Black	V1 AVERY™ 900 Supercast Black SC 900-190-O SC9090O	P1 MATHEWS PAINT™ 103 - Black LRV 5.2	
White	V2 AVERY™ 900 Supercast White SC 900-101-O SC9002O	P2 MATHEWS PAINT™ 951 - White LRV 79.9	
Trail Green	V3 AVERY™ 900 Supercast Apple Green SC 900-760-O SC9660O	P3 MATHEWS PAINT™ MP26749 Spring Green LRV 28.3	
Trail Red	V4 AVERY™ 900 Supercast Luminous Red SC 900-481-O SC9318O	P4 MATHEWS PAINT™ MP24069 Fire Red LRV 17.2	
Trail Yellow	V5 AVERY™ 900 Supercast Dark Yellow SC 900-250-O SC9150O	P5 MATHEWS PAINT™ MP55149 Schoolbus Yellow LRV 39.3	
Trail Red (Reflective)	V6 3M™ Scotchlite Reflective Ruby Red 680-82, 680CR-82, 5100-82, 5100R-82		
Base Aluminum	AO		

SIGN COLOR CHART

NO SCALE

POGUES RUN LOGO

NO SCALE



R40 ELEVATION

scale: 1 1/2"=1'-0"

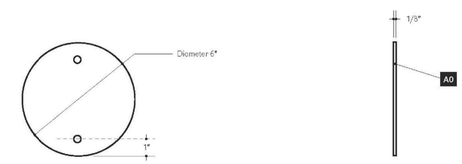
R40 SIDE ELEVATION

scale: 1 1/2"=1'-0"

EXAMPLE

scale: 1 1/2"=1'-0"

TRAIL NAME PANEL

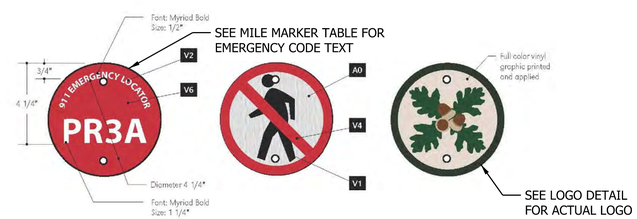


D ELEVATION

scale: 3"=1'-0"

D SIDE ELEVATION

scale: 3"=1'-0"



EXAMPLE 1

scale: 3"=1'-0"

EXAMPLE 2

scale: 3"=1'-0"

EXAMPLE 3

scale: 3"=1'-0"

DISC PANEL

NOTES:

1. TRAIL NAME PANEL SHOWN AS EXAMPLE ONLY. ACTUAL PANEL SHALL CONFORM TO SIGN DETAILS AND READ "POGUES RUN TRAIL", PANEL BACKGROUND COLOR SHALL BE TRAIL YELLOW.
2. SIGNS SHALL CONFORM TO INDY PARKS AND RECREATION TRAIL SIGN STANDARDS.
3. SEE TECHNICAL SPECIFICATIONS FOR DETAILED MATERIALS, SUBMITTAL, AND FABRICATION REQUIREMENTS.

NO.	MILE MARKERS MILE	MILE MARKERS Km	EMERGENCY CODE
1	0.00	0.0	POØA
2	0.25	0.4	POØB
3	0.50	0.8	POØC

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 4-16-2015 DATE

DESIGNED: RLH | DRAWN: CER

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

SIGN DETAILS

HORIZONTAL SCALE | BRIDGE FILE

VERTICAL SCALE | DESIGNATION

SURVEY BOOK | SHEETS 32 of 47

CONTRACT | PROJECT PA-25-001

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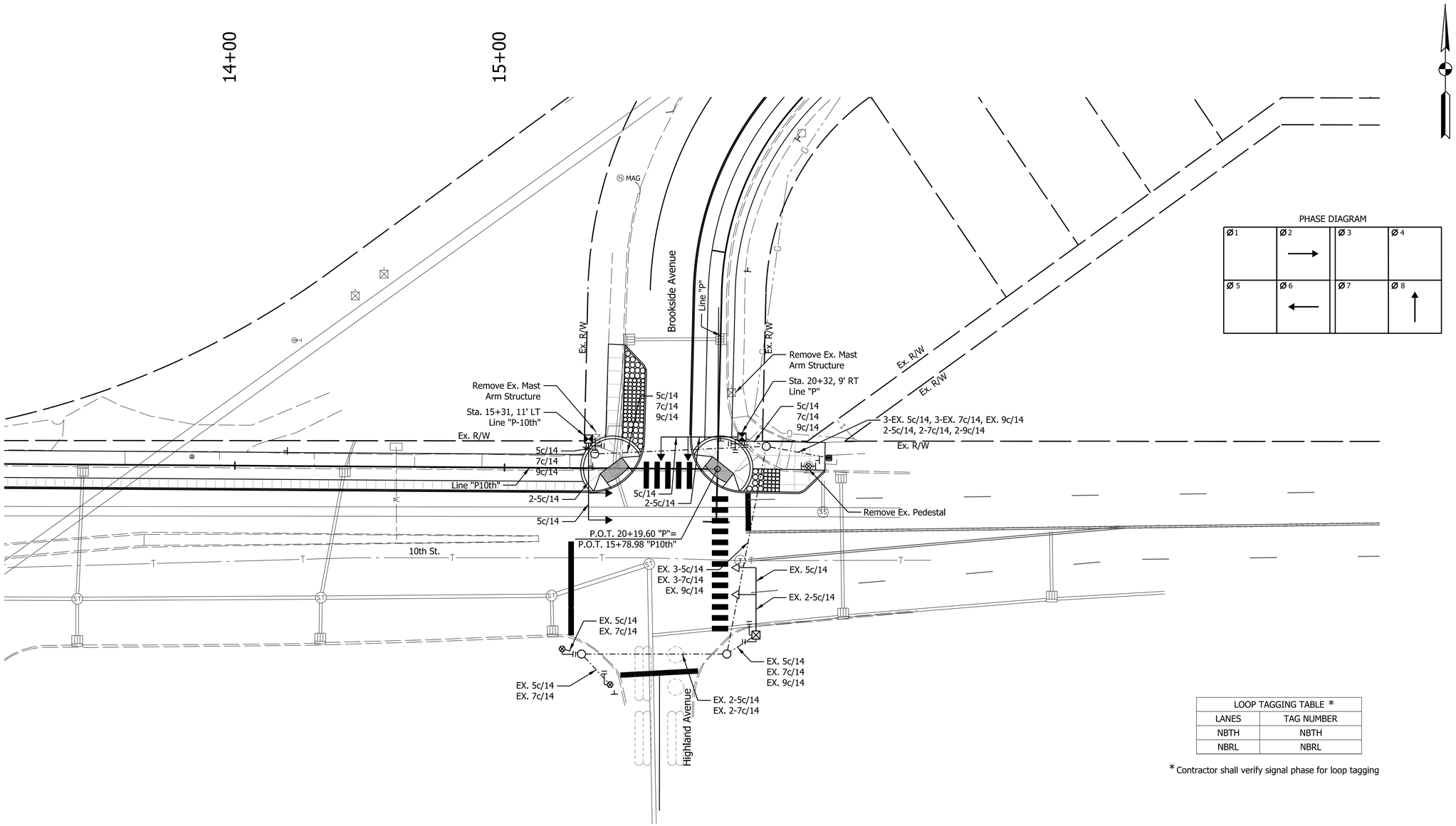

LOOP TAGGING TABLE *	
LANES	TAG NUMBER
NBTH	NBTH
NBRL	NBRL

* Contractor shall verify signal phase for loop tagging

Note(s):
For overhead street name signs, see Sign and Marking Plans.

INTERSECTION CONTROL NUMBER _____

LEGEND

- STEEL STRAIN POLE & FOUNDATION
- SIGNAL CANTILEVER STRUCTURE & FOUNDATION
- SIGNAL PEDESTAL ON "A" FOUNDATION
- PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON, INTERNATIONAL SYMBOLS, 18"
- DISCONNECT HANGER
- 2" GALVANIZED STEEL CONDUIT
- EX. CONTROLLER AND CABINET ON EX. FOUNDATION
- EX. SIGNAL CANTILEVER STRUCTURE & FOUNDATION
- EX. POLE MOUNTED CABINET
- EX. 2" CONDUIT
- EX. SIGNAL PEDESTAL ON "A" FOUNDATION
- EX. SIGNAL HANDHOLE
- EX. PEDESTRIAN SIGNAL HEAD

KEVIN J. REALICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 4-16-2015 DATE

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

SIGNAL MODERNIZATION
10th ST. & BROOKSIDE AVE.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
	PA-25-001

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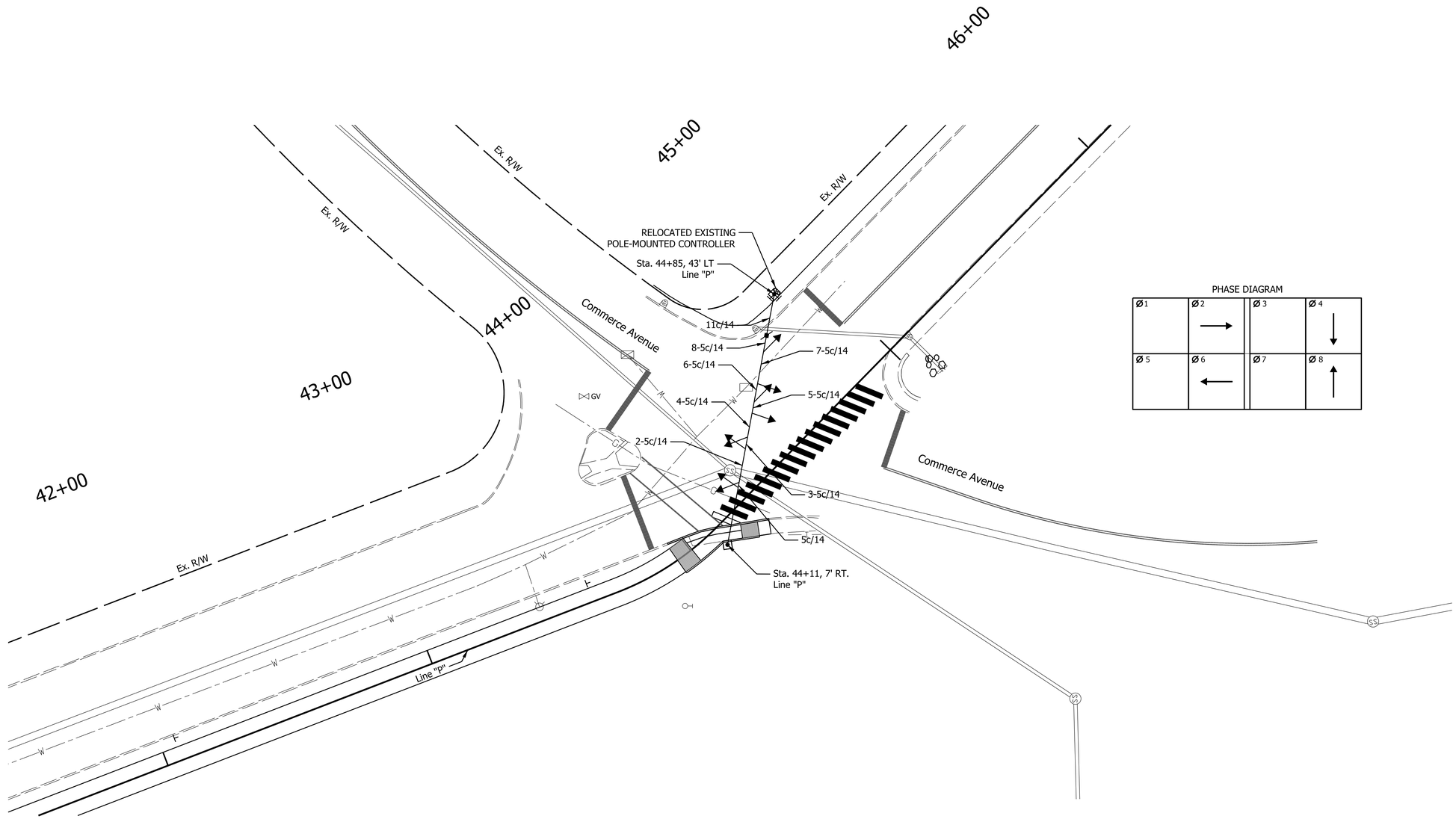

Note:
Remove existing signal equipment.

LEGEND

- STEEL STRAIN POLE & FOUNDATION
- SIGNAL CANTILEVER STRUCTURE & FOUNDATION
- SIGNAL PEDESTAL ON "A" FOUNDATION
- PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON, INTERNATIONAL SYMBOLS, 18"
- DISCONNECT HANGER
- 2" GALVANIZED STEEL CONDUIT
- EX. CONTROLLER AND CABINET ON EX. FOUNDATION
- EX. SIGNAL CANTILEVER STRUCTURE & FOUNDATION
- EX. POLE MOUNTED CABINET
- EX. 2" CONDUIT
- EX. SIGNAL PEDESTAL ON "A" FOUNDATION
- EX. SIGNAL HANDHOLE
- EX. PEDESTRIAN SIGNAL HEAD

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

SIGNAL MODERNIZATION
E. BROOKSIDE AVE. & COMMERCE AVE.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	34 of 47
CONTRACT	PROJECT
	PA-25-001

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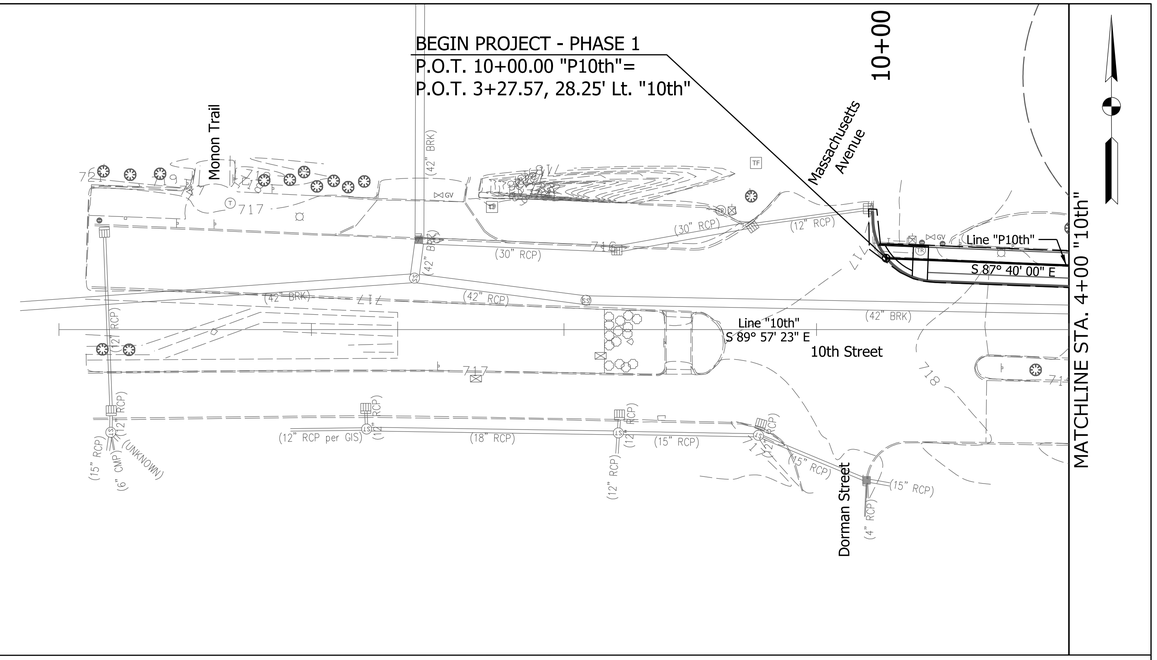

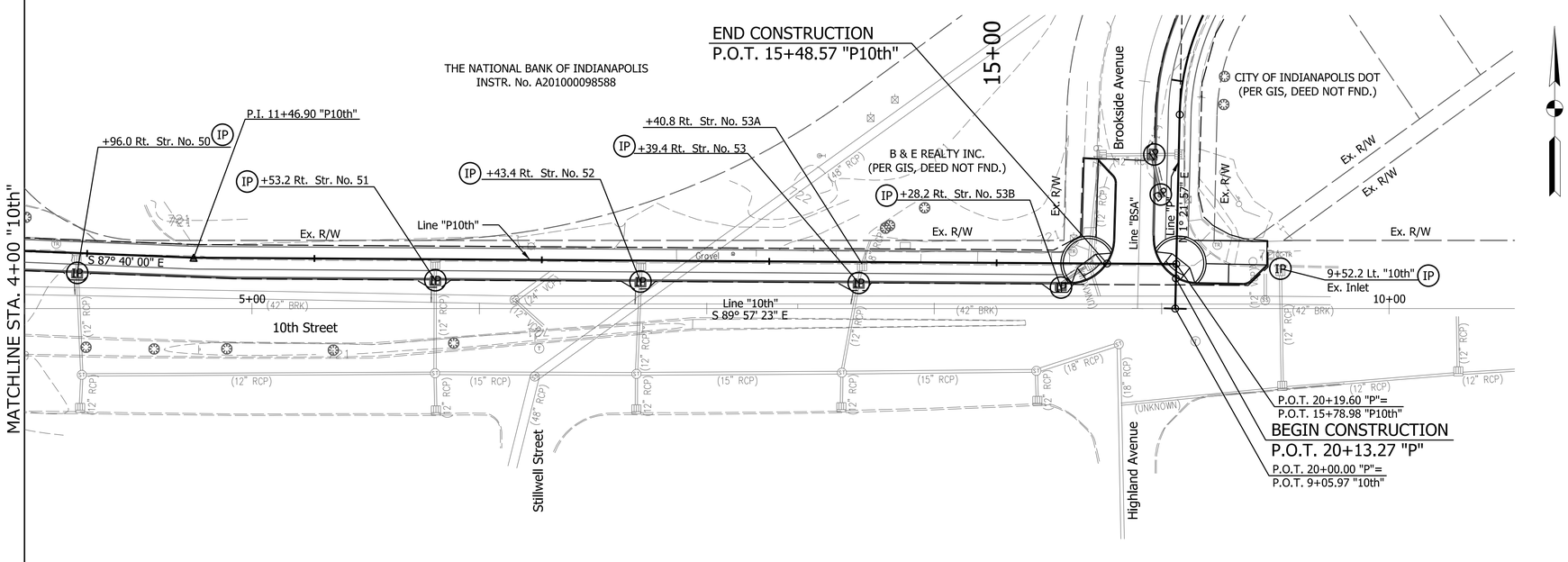

LEGEND

—SF— - Silt Fence

(IP) - Inlet Protection

(DP) - Ditch Inlet Protection

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

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CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

TEMPORARY EROSION CONTROL DETAILS
LINE "P10th"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	35 of 47
CONTRACT	PROJECT
	PA-25-001

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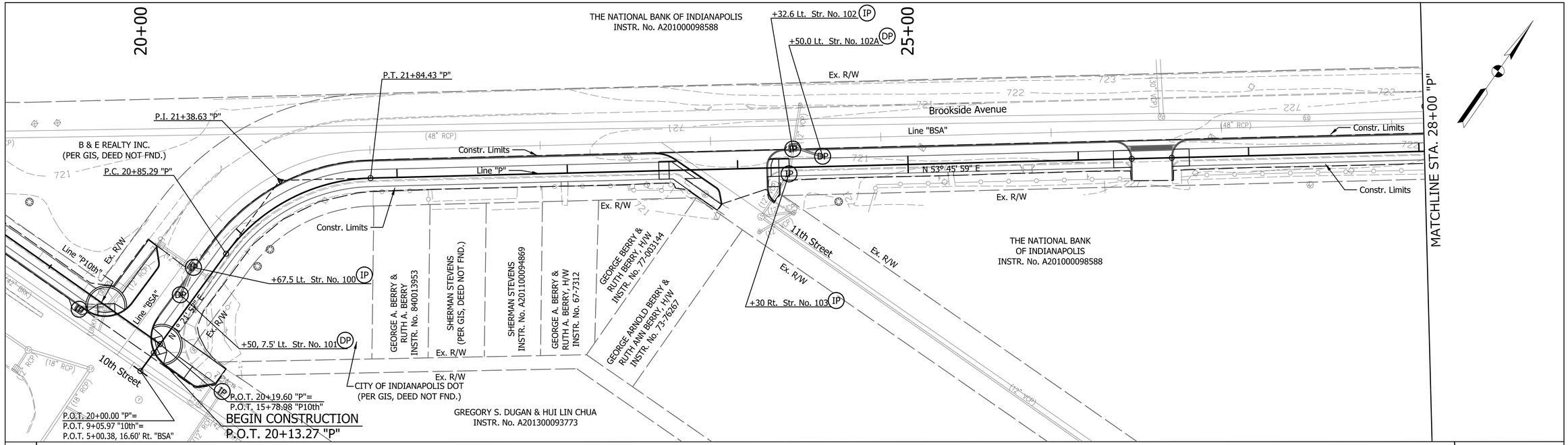

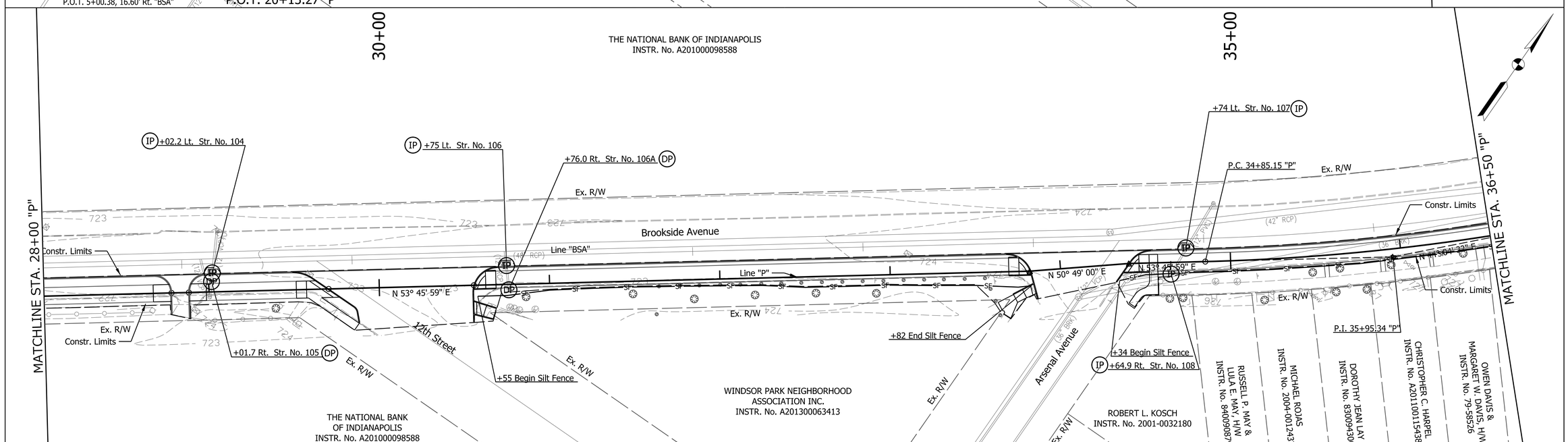

LEGEND

—SF— - Silt Fence

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TEMPORARY EROSION CONTROL DETAILS
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	36 of 47
CONTRACT	PROJECT
	PA-25-001

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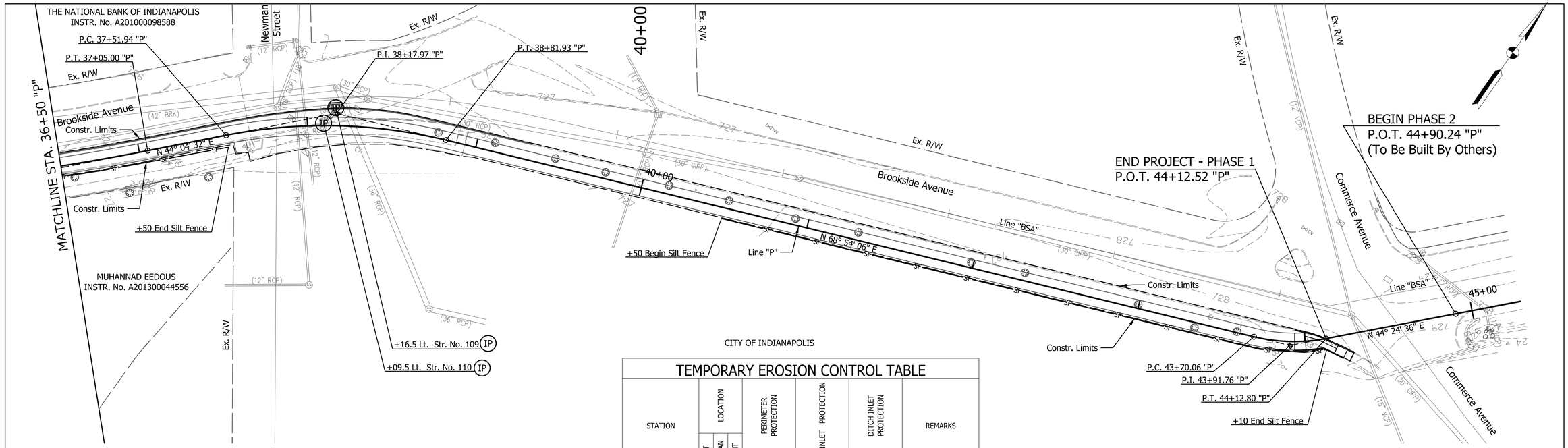


CITY OF INDIANAPOLIS

TEMPORARY EROSION CONTROL TABLE

STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION LFT	INLET PROTECTION EACH	DITCH INLET PROTECTION EACH	REMARKS
Line "P"							
20+67.5	X				1.00		
20+50.0	X					1.00	
24+32.6	X				1.00		
24+30.0			X		1.00		
24+50.0	X					1.00	
29+01.7	X					1.00	
29+02.2	X				1.00		
30+75.0	X				1.00		
30+76.0			X			1.00	
34+74.0	X				1.00		
34+64.9			X		1.00		
38+16.5	X				1.00		
38+09.5	X				1.00		
30+55 TO 33+82			X	327			
34+34 TO 37+50			X	316			
40+50 TO 44+10			X	360			
Line "P10th"							
10+96.0			X		1.00		
12+53.2			X		1.00		
13+43.4			X		1.00		
14+39.4			X		1.00		
15+28.2			X		1.00		
Line "10th"							
9+52.2	X				1.00		
SUMMARY				1003	15.00	4.00	

LEGEND

—SF— - Silt Fence

(IP) - Inlet Protection

(DP) - Ditch Inlet Protection

KEVIN J. REACH REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 4-16-2015 DATE

DESIGNED: VA DRAWN: JSS

CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

TEMPORARY EROSION CONTROL DETAILS
LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	37 of 47
CONTRACT	PROJECT
	PA-25-001

V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\10 BaseSets\Sht TEC_30_03.dgn

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	SIZE	PIPE TYPE	MANHOLE, CATCH BASIN, INLET, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOWLINE UP STREAM	FLOWLINE DOWN STREAM	CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL	RIVETMENT RIPRAP	CONCRETE CLASS A, FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EACH	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EACH	CONNECT TO STR.	REMARKS
					in			ft	DEG.	ft	ELEV.	ELEV.	ELEV.	yr				yd3	Ton	yd3	EACH	TYPE	SLOPE	EACH	SLOPE	EACH		
	LINE "P"																											
100	20+67.5	X					Inlet B-15				715.19																	Connect Ex. Pipe
101	20+50.0	X			12		Pipe Catch Basin	15			717.10	717.00															100	
102	24+32.6	X					Inlet C-15				716.98																	Connect Ex. Pipe
102A	24+50.0	X			12		Pipe Catch Basin	18																			102	
103	24+30.0		X				Ex. Curb Inlet				716.40																	Cap Ex. Inlet
103A	26+43.0	X					Trench Drain	26																				
104	29+02.2	X					Inlet C-15				718.88																	Connect Ex. Pipe
105	29+01.7	X					Pipe Catch Basin																					Connect Ex. Pipe
105A	29+00.4		X				Ex. Curb Inlet				718.50																	Cap Ex. Inlet
106	30+75.0	X					Inlet B-15				715.75																	Connect Ex. Pipe
106A	30+76.0		X				Ex. Curb Inlet																					Replace Casting w/ Type 7
107	34+74.0	X					Inlet C-15				719.78																	Connect Ex. Pipe
108	34+64.9		X				Ex. Curb Inlet				718.40																	Cap Ex. Inlet
109	38+04.0	X			12		Inlet B-15	8			723.00	722.90															110	
110	38+09.5	X					Ex. Curb Inlet				722.90																	Cap Ex. Inlet
	LINE "P10th"																											
50	10+96.0		X				Inlet J-10				716.09																	Connect Ex. Pipe
51	12+53.2		X				Inlet J-10				717.13																	Connect Ex. Pipe
52	13+43.4		X				Inlet J-10				716.83																	Connect Ex. Pipe
53	14+39.4		X				Inlet K-10				715.48																	Connect Ex. Pipe
53A	14+40.8		X				Ex. Curb Inlet																					Cap Ex. Inlet
53B	15+43.0		X				Inlet A-2																					Connect Ex. Pipes
53C	15+40.6		X				Ex. Curb Inlet																					Cap Ex. Inlet

KEVIN J. REARICK REGISTERED No. 9500343 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 4-16-2015 DATE

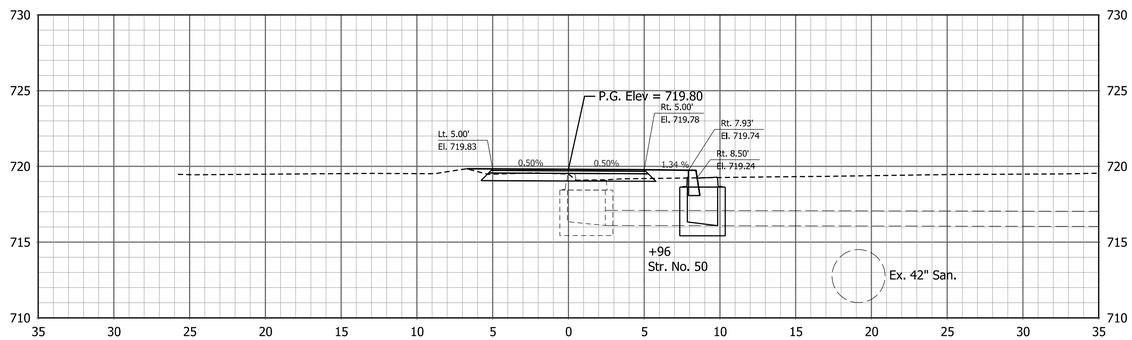
DESIGNED: VA DRAWN: JSS

CHECKED: ACD CHECKED: VA

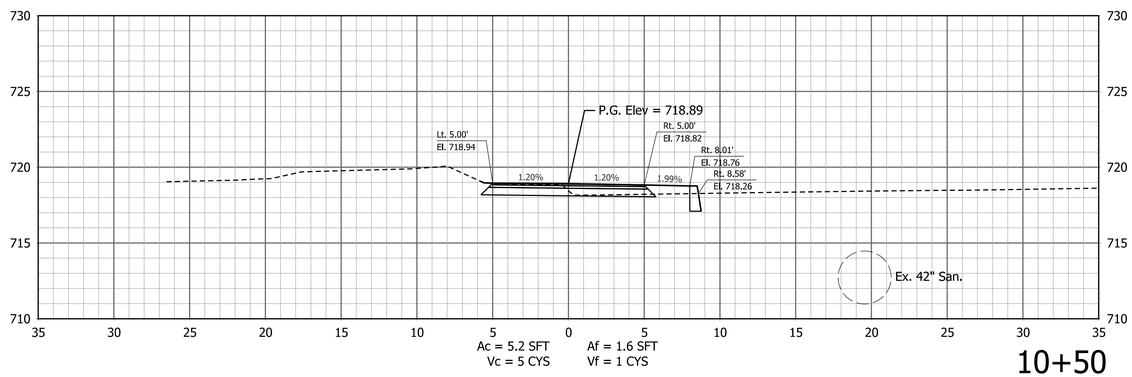
CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS 38 of 47
CONTRACT	PROJECT PA-25-001



11+00



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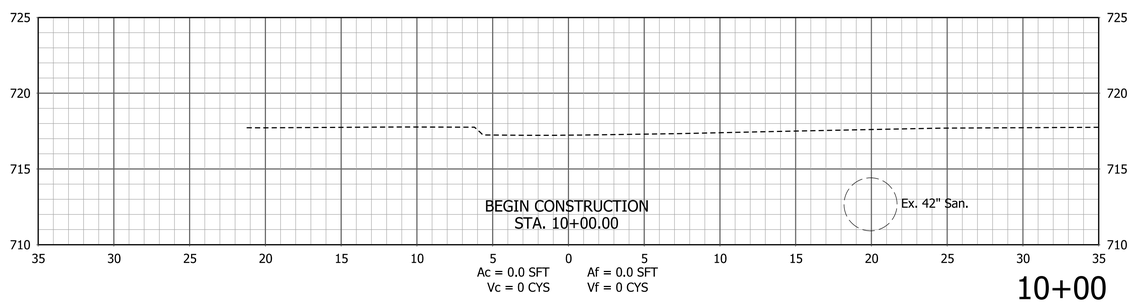

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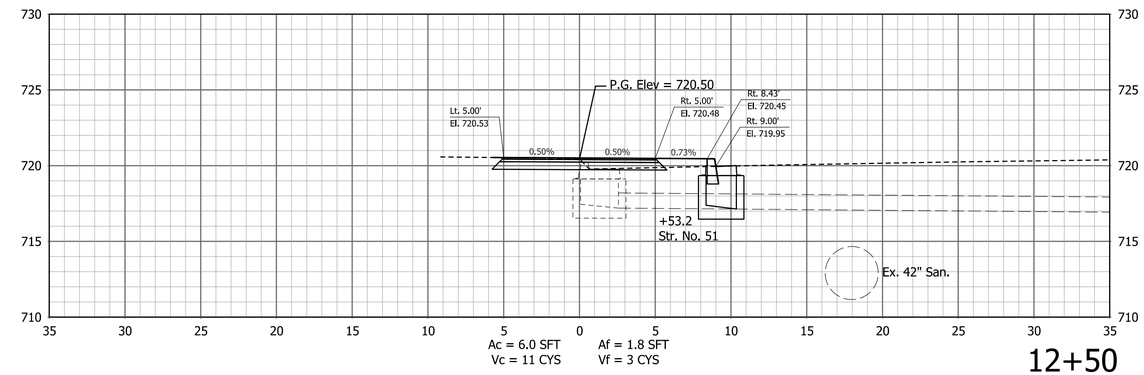
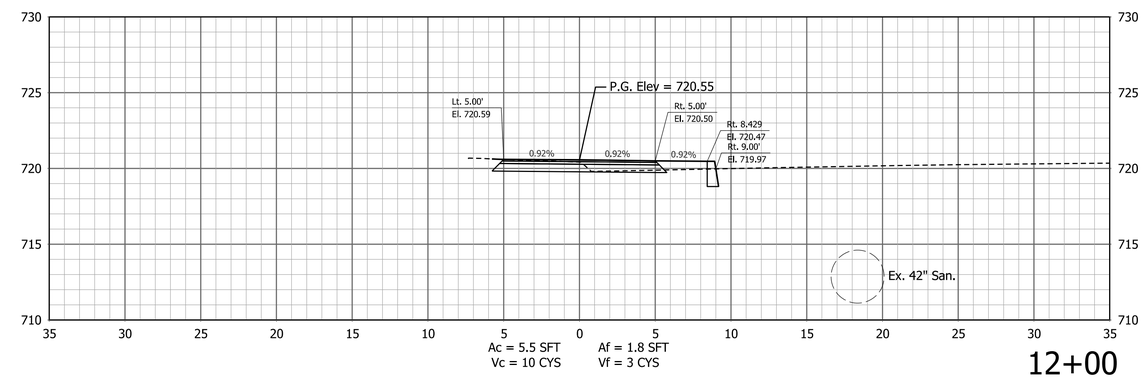


12+50



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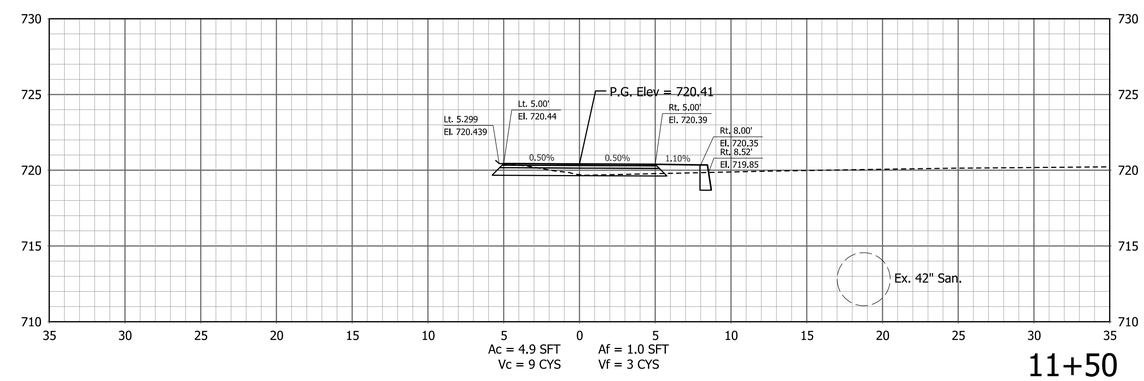

11+50

STA. 10+00 TO STA. 12+50

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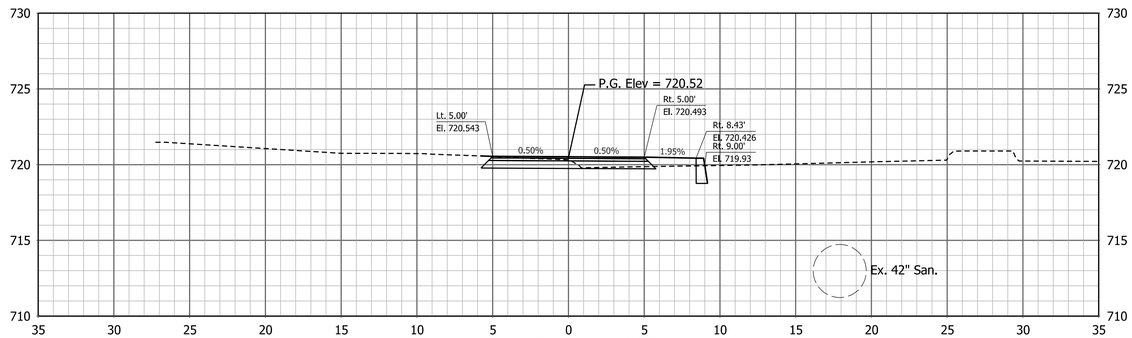
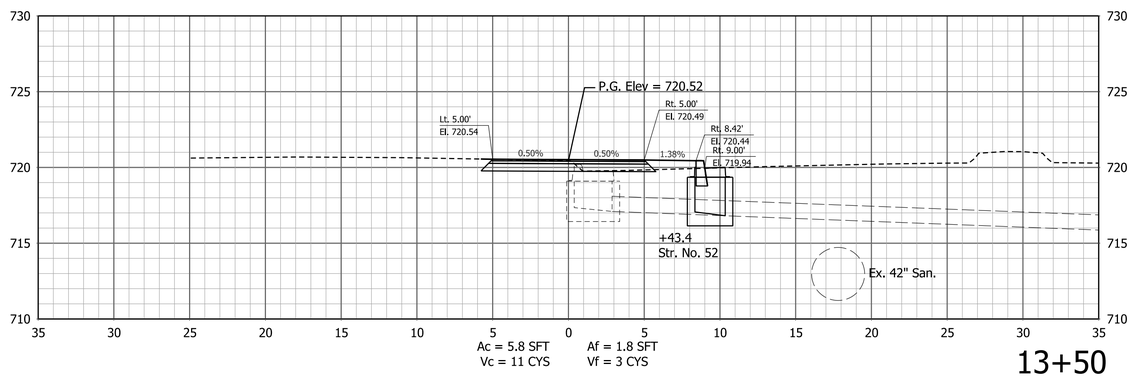
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:15 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS	SCALE 1" = 5'	BRIDGE FILE
			DESIGNATION
DESIGNED: VA DRAWN: JSS	CROSS SECTIONS LINE "P10th"	SURVEY BOOK	SHEETS XS 39 of XS 47
CHECKED: ACD CHECKED: VA		CONTRACT	PROJECT PA-25-001



14+00



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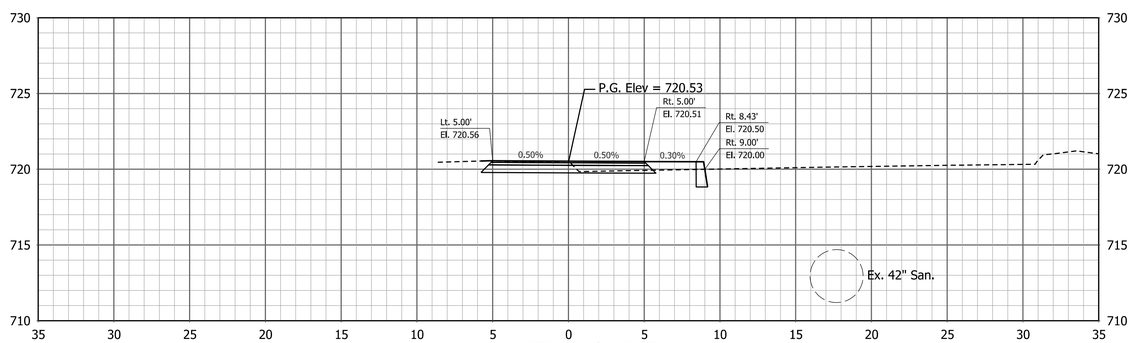
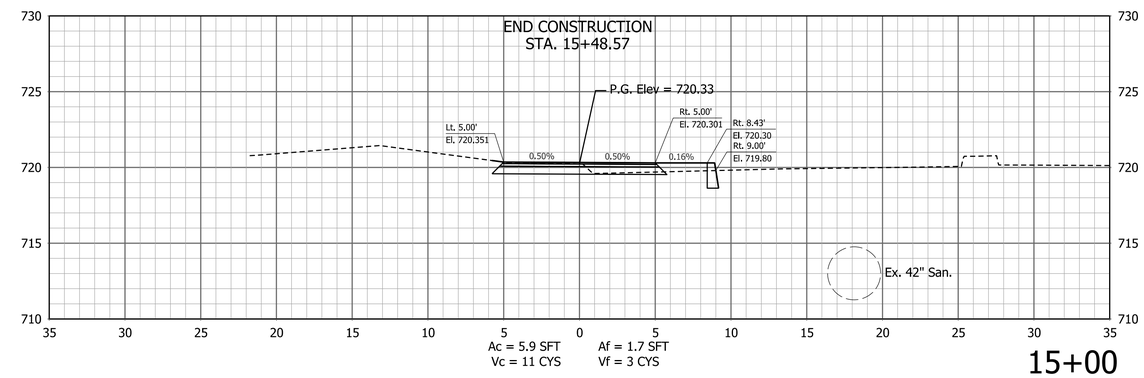
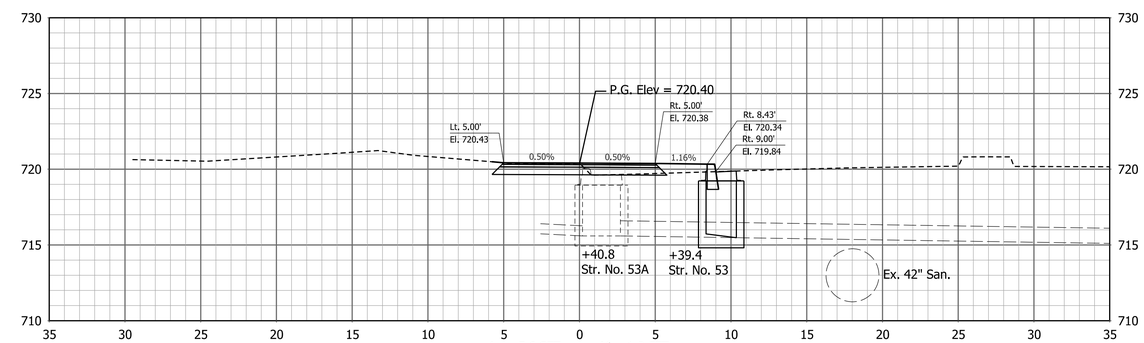


13+00



15+00



14+50

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_02.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:16 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

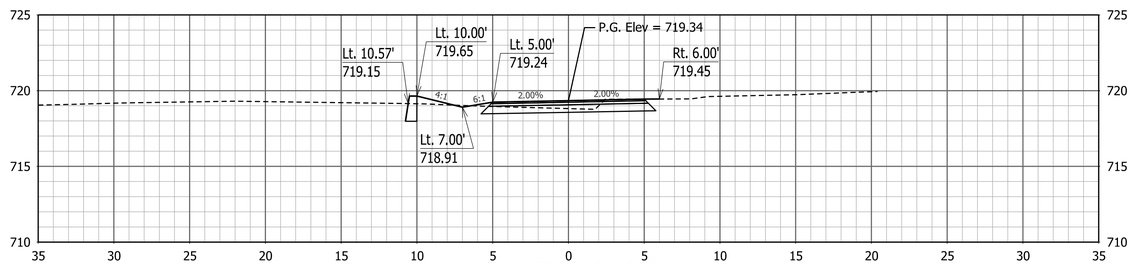
DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS
LINE "P10th"

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION

SURVEY BOOK	SHEETS		
	XS 40	of	XS 47
CONTRACT	PROJECT		
	PA-25-001		



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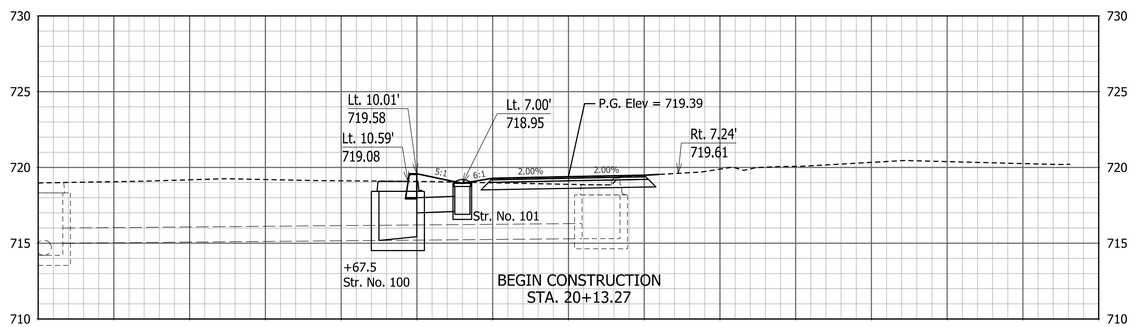
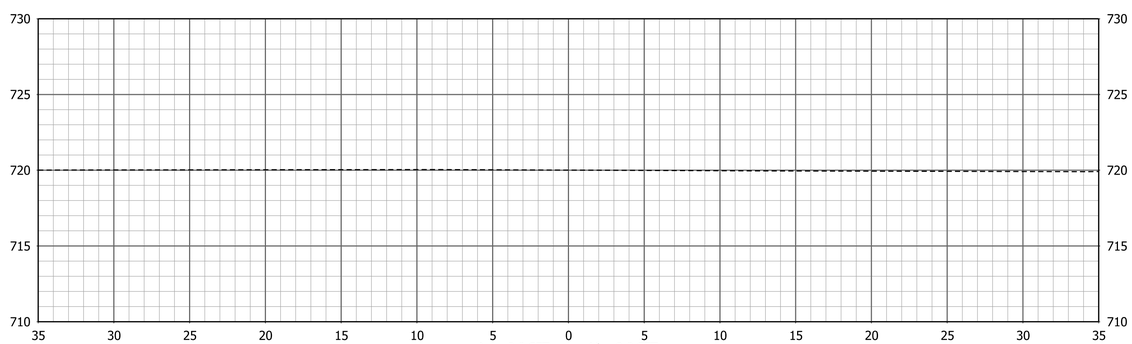
Vc = 11 CYS Vf = 2 CYS

21+00



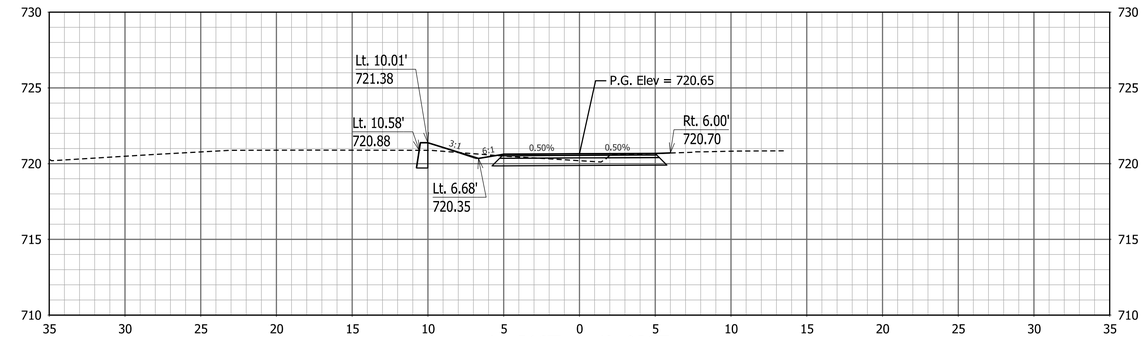
Ac = 5.4 SFT Af = 0.8 SFT
Vc = 5 CYS Vf = 1 CYS

20+50



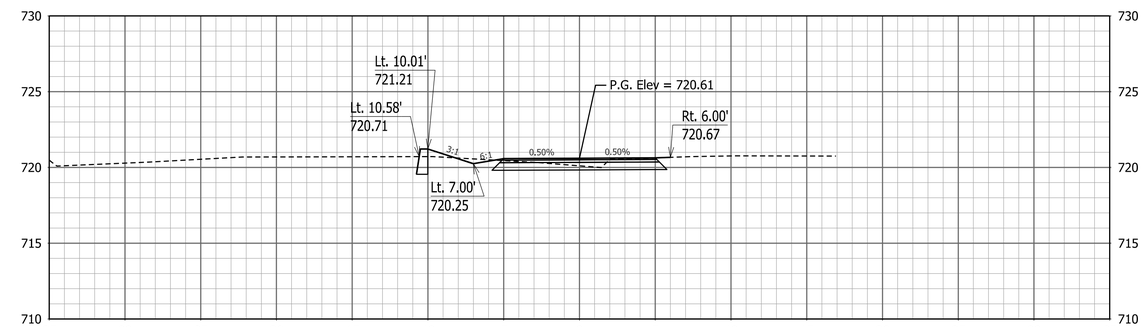
Ac = 0.0 SFT Af = 0.0 SFT
Vc = 0 CYS Vf = 0 CYS

20+00



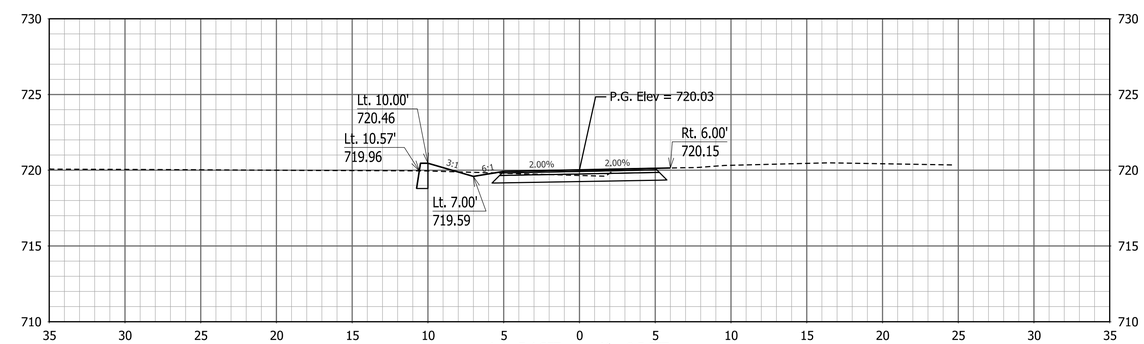
Ac = 7.1 SFT Af = 0.5 SFT
Vc = 13 CYS Vf = 1 CYS

22+50



Ac = 6.9 SFT Af = 0.5 SFT
Vc = 13 CYS Vf = 1 CYS

22+00



Ac = 7.4 SFT Af = 0.5 SFT
Vc = 12 CYS Vf = 1 CYS

21+50

STA. 20+00 TO STA. 22+50

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:18 PM

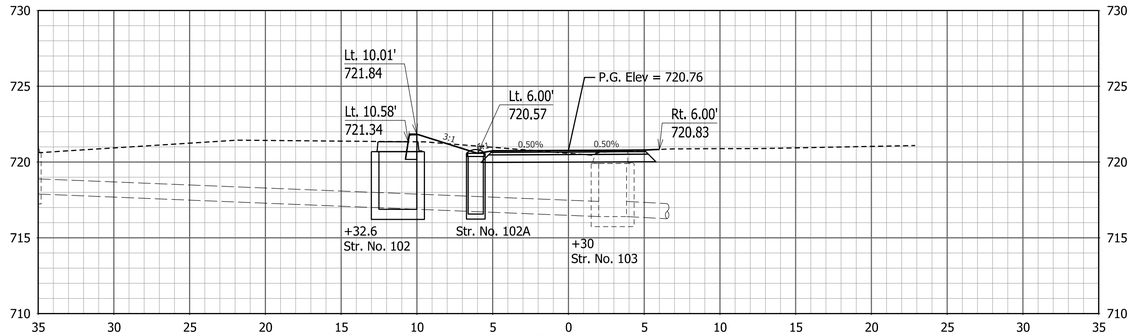
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

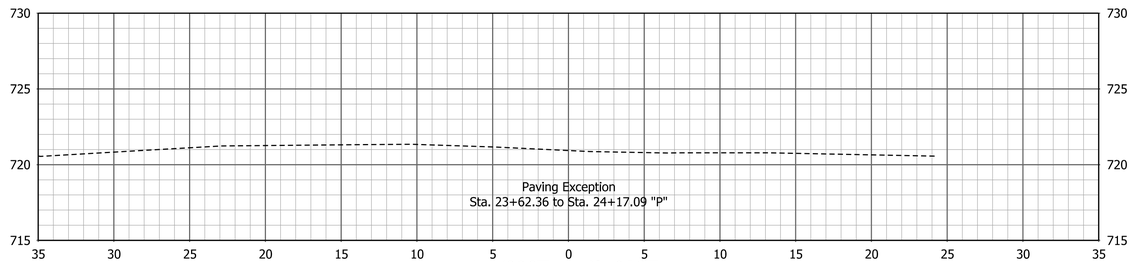
CROSS SECTIONS
LINE "P"

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
SURVEY BOOK	SHEETS
	XS 41 of XS 47
CONTRACT	PROJECT
	PA-25-001



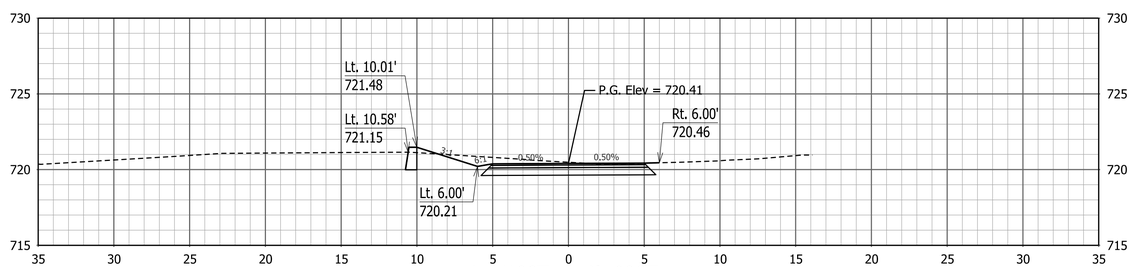
Ac = 9.4 SFT Af = 0.5 SFT
Vc = 20 CYS Vf = 1 CYS

24+50



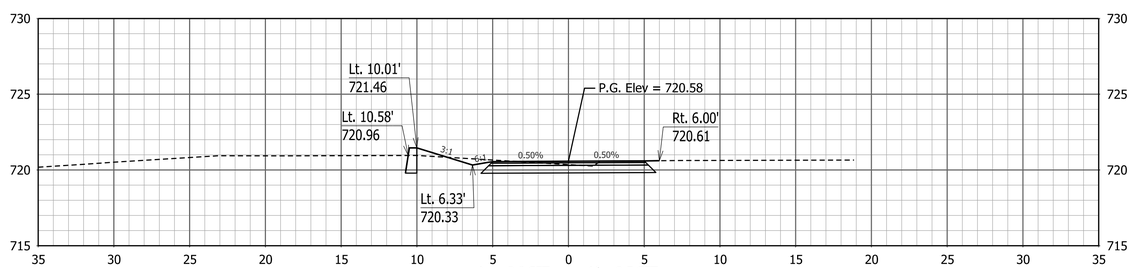
Ac = 12.2 SFT Af = 0.5 SFT
Vc = 22 CYS Vf = 1 CYS

24+00



Ac = 11.8 SFT Af = 0.3 SFT
Vc = 19 CYS Vf = 1 CYS

23+50



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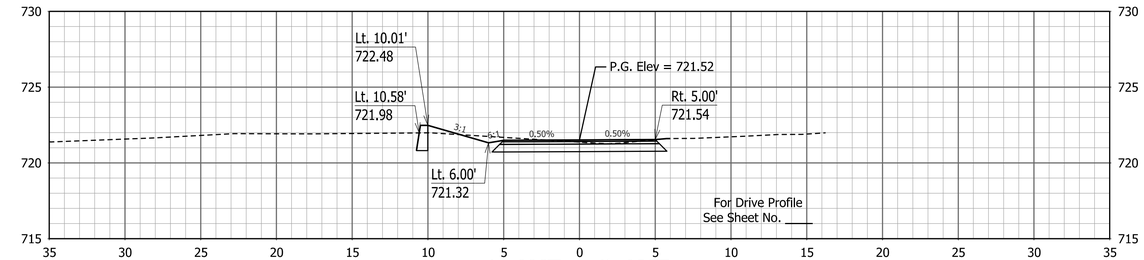
Vc = 15 CYS Vf = 1 CYS

23+00



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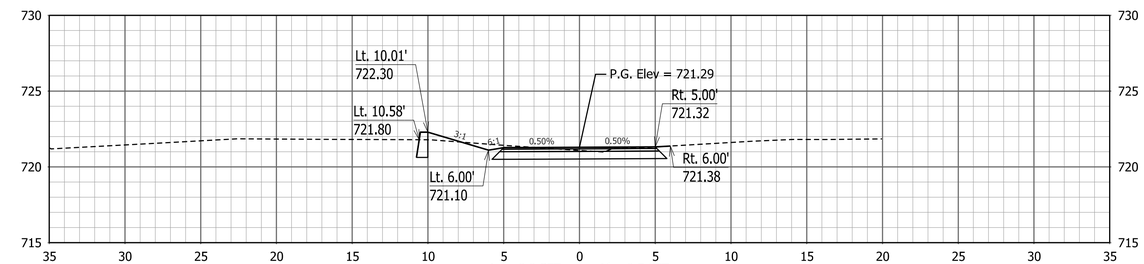
Vc = 17 CYS Vf = 1 CYS

26+50



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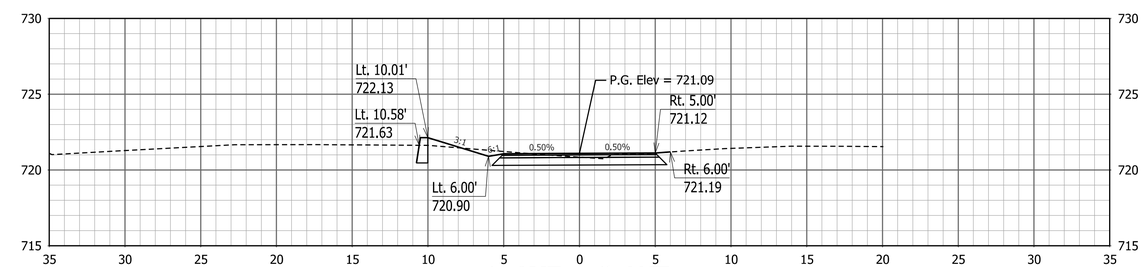
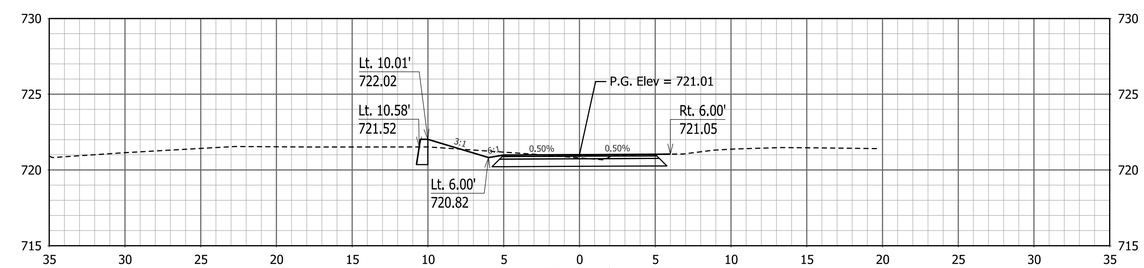
Vc = 16 CYS Vf = 1 CYS

26+00



Ac = 8.7 SFT Af = 0.6 SFT
Vc = 17 CYS Vf = 1 CYS

25+50



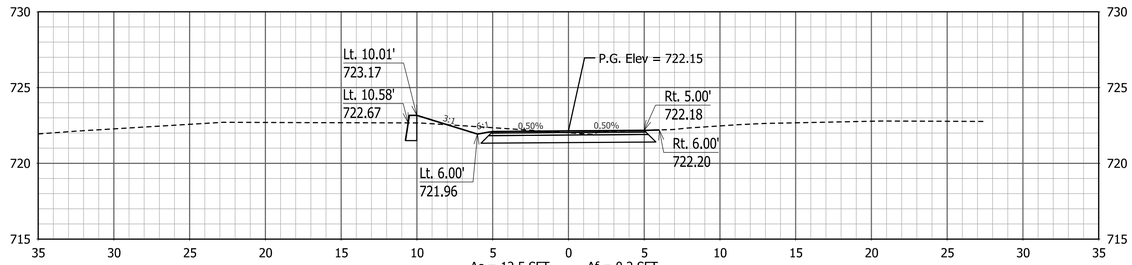
Ac = 9.2 SFT Af = 0.5 SFT
Vc = 17 CYS Vf = 1 CYS

25+00

STA. 23+00 TO STA. 26+00

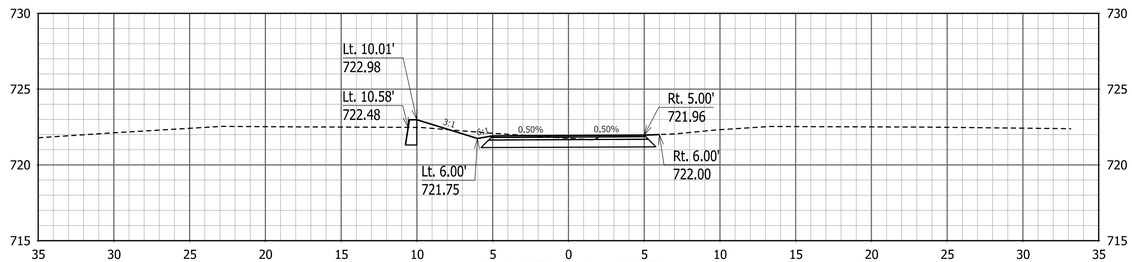
PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:18 PM

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS	SCALE 1" = 5'	BRIDGE FILE
			DESIGNATION
DESIGNED: VA DRAWN: JSS	CROSS SECTIONS LINE "P"	SURVEY BOOK	SHEETS XS 42 of XS 47
CHECKED: ACD CHECKED: VA		CONTRACT	PROJECT PA-25-001



Ac = 12.5 SFT Af = 0.2 SFT
Vc = 20 CYS Vf = 1 CYS

28+50



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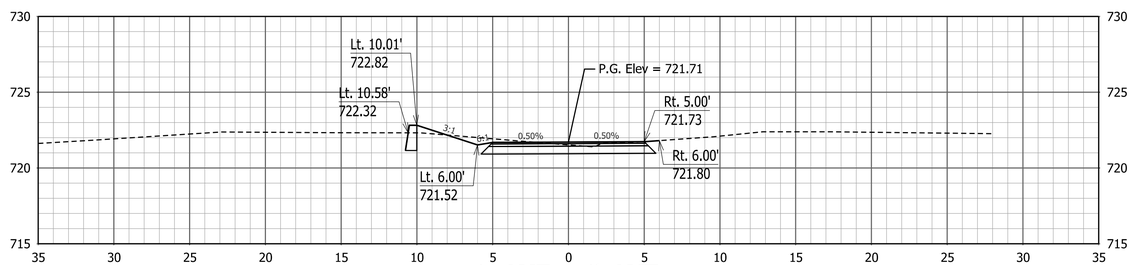
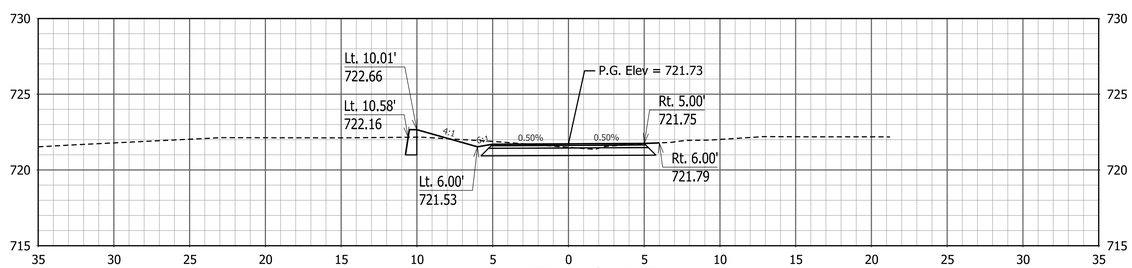
Vc = 17 CYS Vf = 1 CYS

28+00



Ac = 9.5 SFT Af = 0.5 SFT
Vc = 17 CYS Vf = 1 CYS

27+50



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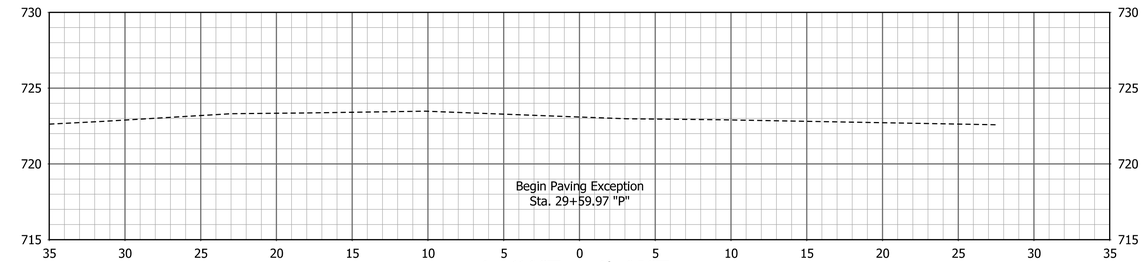
27+00



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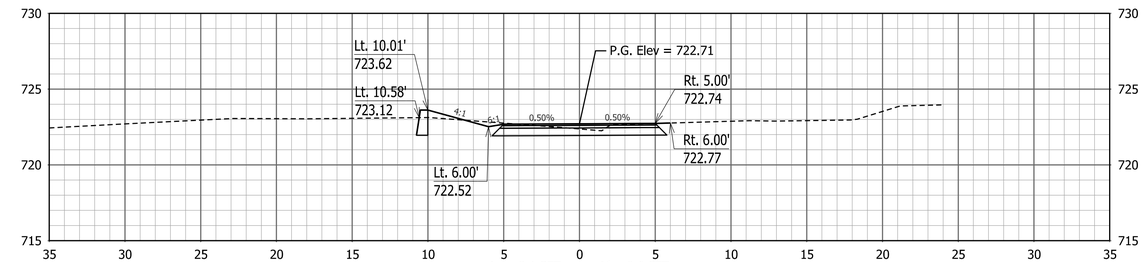
Vc = 18 CYS Vf = 1 CYS

30+00



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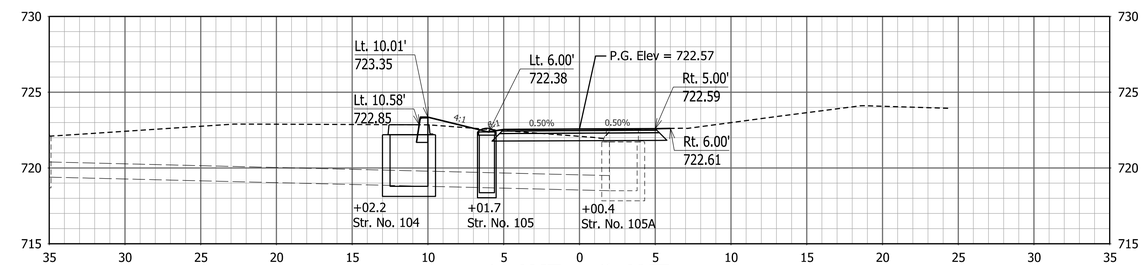
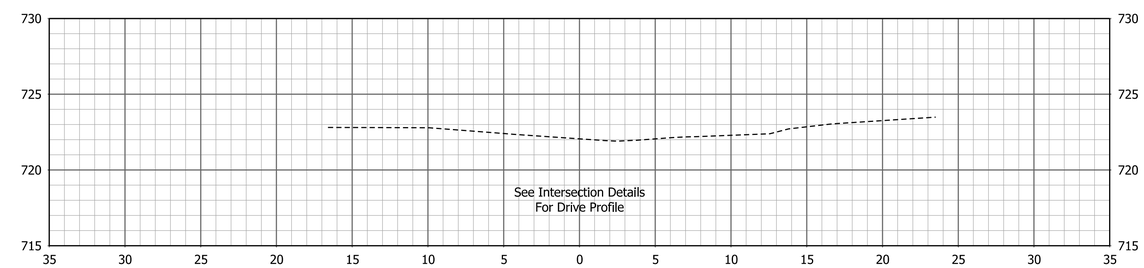
Vc = 14 CYS Vf = 1 CYS

29+50



Ac = 6.9 SFT Af = 0.8 SFT
Vc = 6 CYS Vf = 1 CYS

29+00



28+83.1

STA. 26+50 TO STA. 30+00

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MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:20 PM

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

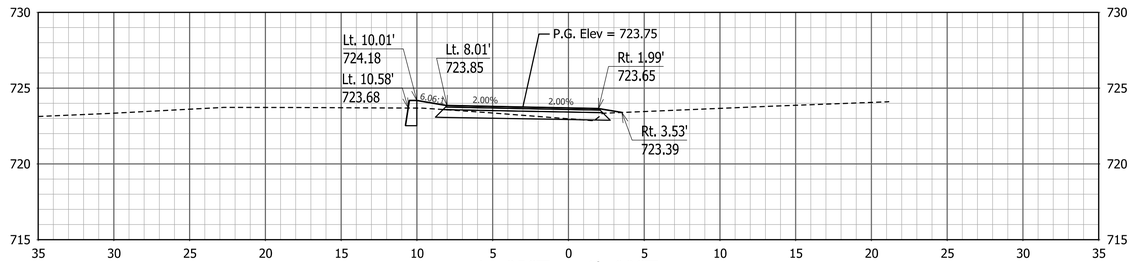
DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS
LINE "P"

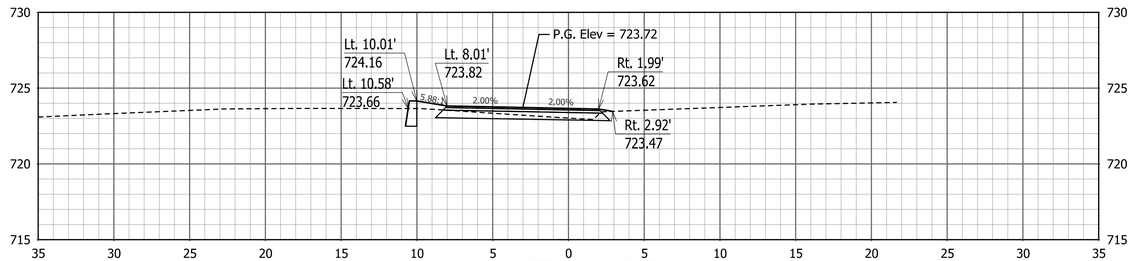
SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION

SURVEY BOOK	SHEETS		
	XS 43	of	XS 47
CONTRACT	PROJECT		
	PA-25-001		



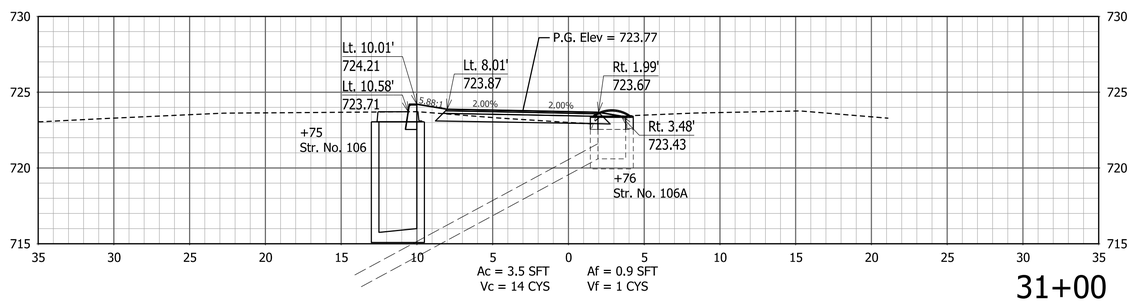
Ac = 3.7 SFT Af = 0.9 SFT
Vc = 7 CYS Vf = 2 CYS

32+00



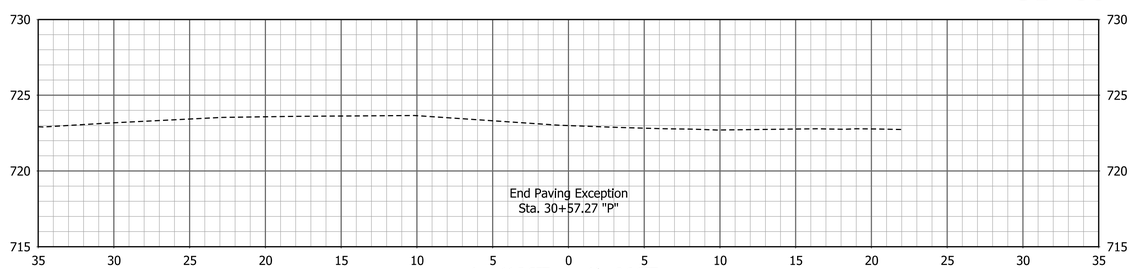
Ac = 4.1 SFT Af = 0.8 SFT
Vc = 7 CYS Vf = 2 CYS

31+50



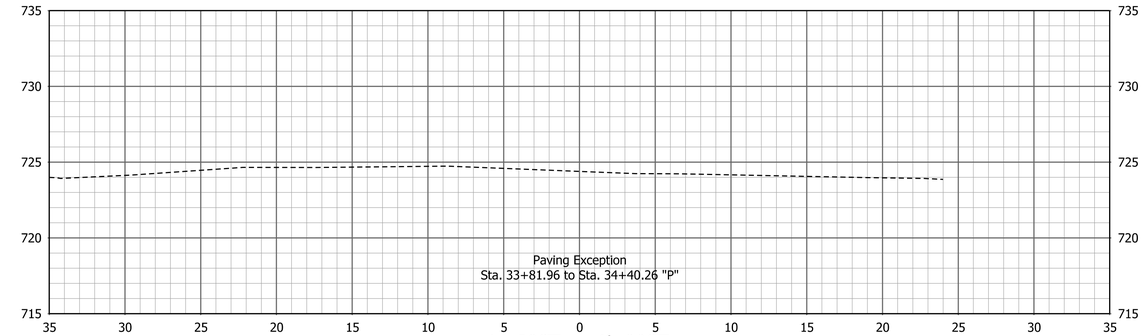
Ac = 3.5 SFT Af = 0.9 SFT
Vc = 14 CYS Vf = 1 CYS

31+00



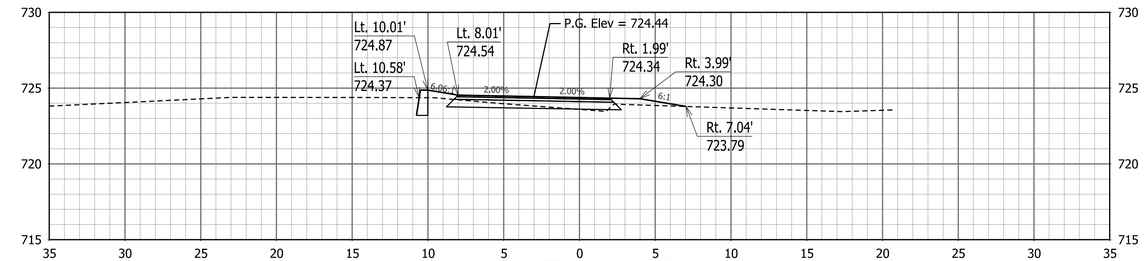
Ac = 11.3 SFT Af = 0.6 SFT
Vc = 21 CYS Vf = 1 CYS

30+50



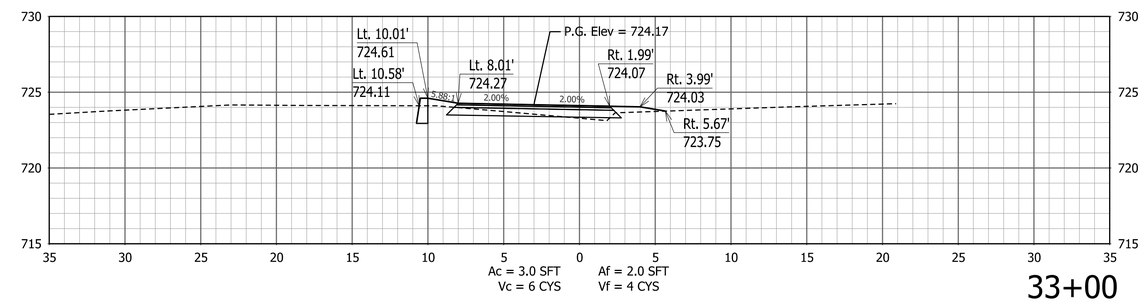
Ac = 5.8 SFT Af = 2.0 SFT
Vc = 8 CYS Vf = 4 CYS

34+00



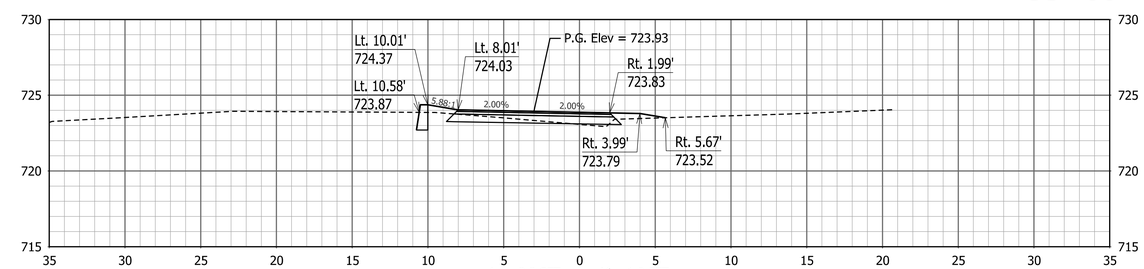
Ac = 3.1 SFT Af = 2.2 SFT
Vc = 6 CYS Vf = 4 CYS

33+50



Ac = 3.0 SFT Af = 2.0 SFT
Vc = 6 CYS Vf = 4 CYS

33+00



Ac = 3.2 SFT Af = 1.9 SFT
Vc = 6 CYS Vf = 3 CYS

32+50

STA. 30+50 TO STA. 34+00

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:20 PM

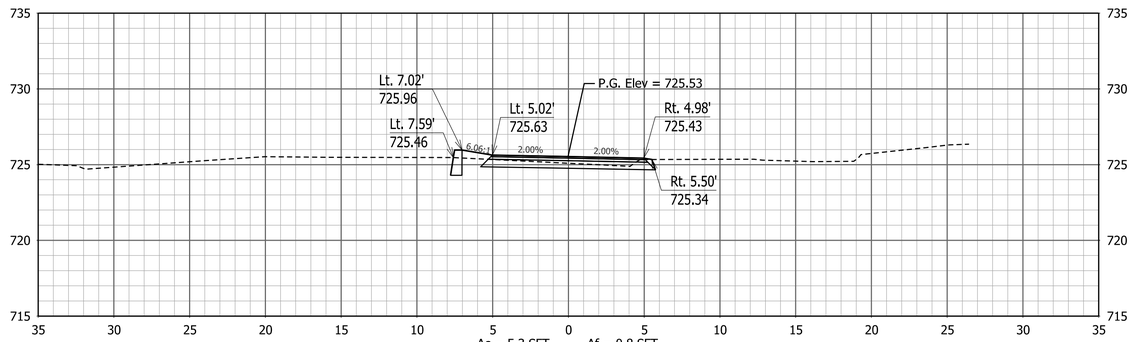
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

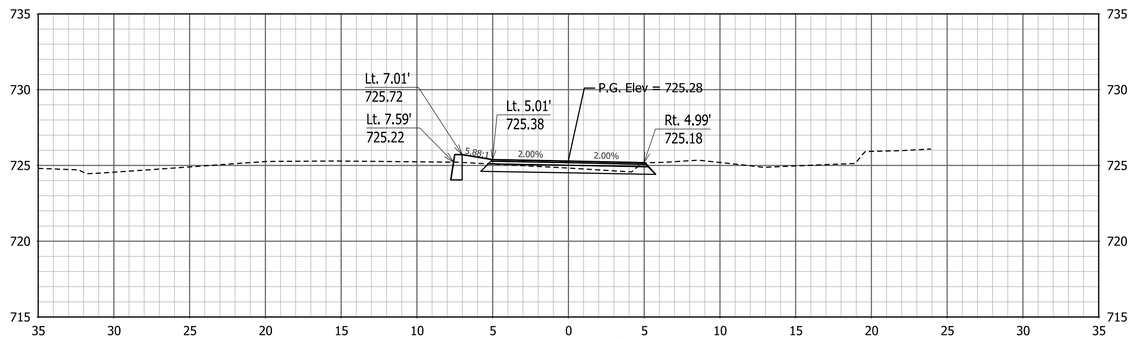
CROSS SECTIONS
LINE "P"

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
SURVEY BOOK	SHEETS
	XS 44 of XS 47
CONTRACT	PROJECT
	PA-25-001



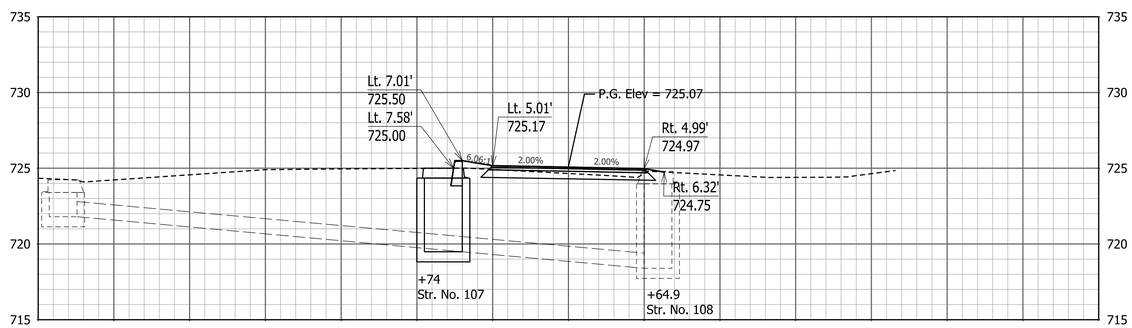
Ac = 5.3 SFT
Vc = 10 CYS
Af = 0.8 SFT
Vf = 1 CYS

35+50



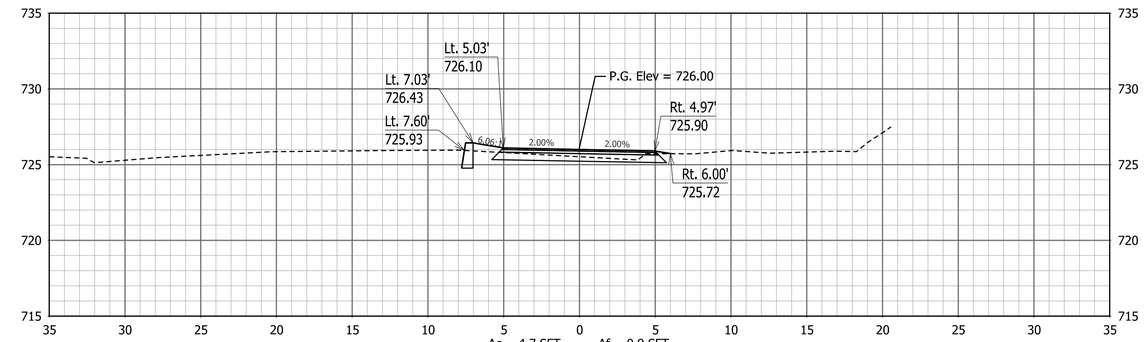
Ac = 5.1 SFT
Vc = 9 CYS
Af = 0.8 SFT
Vf = 1 CYS

35+00



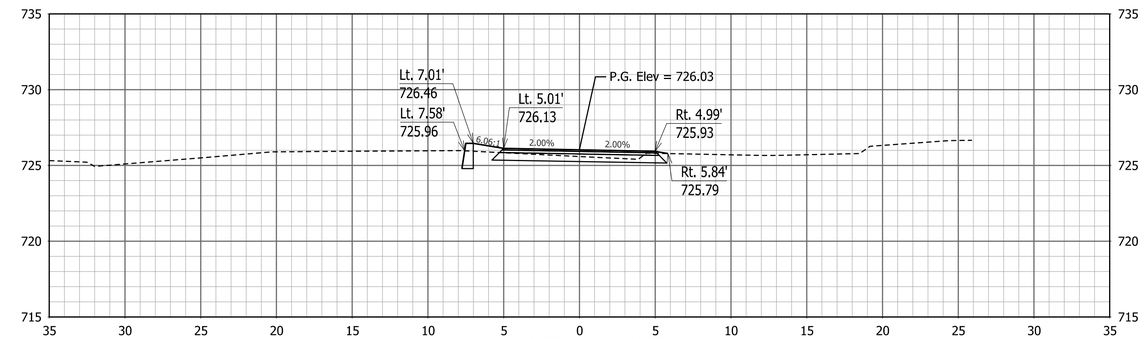
Ac = 5.0 SFT
Vc = 10 CYS
Af = 0.8 SFT
Vf = 3 CYS

34+50



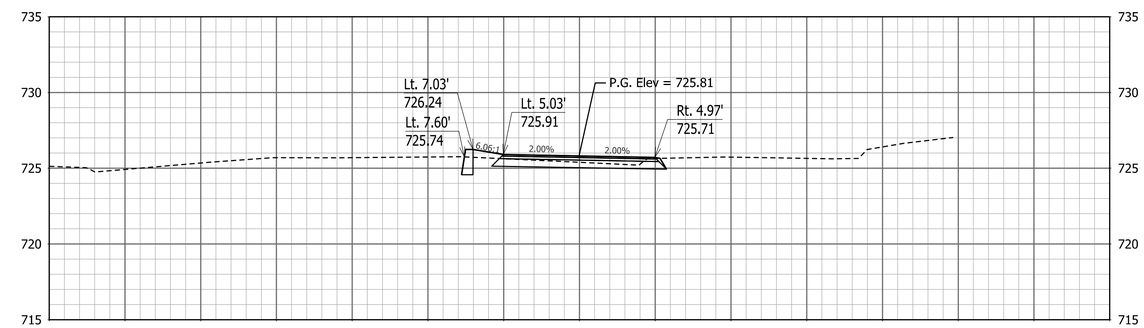
Ac = 4.7 SFT
Vc = 9 CYS
Af = 0.9 SFT
Vf = 2 CYS

37+00



Ac = 5.1 SFT
Vc = 10 CYS
Af = 0.8 SFT
Vf = 1 CYS

36+50



Ac = 5.6 SFT
Vc = 10 CYS
Af = 0.8 SFT
Vf = 1 CYS

36+00

STA. 34+50 TO STA. 37+00

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:21 PM

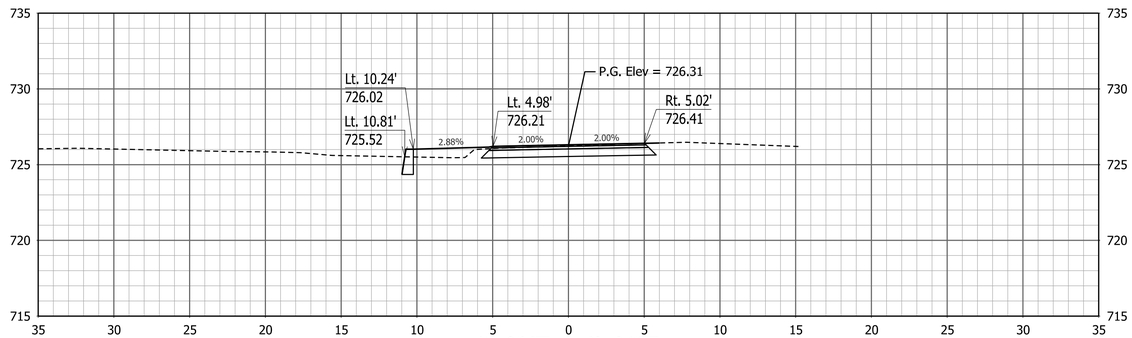
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

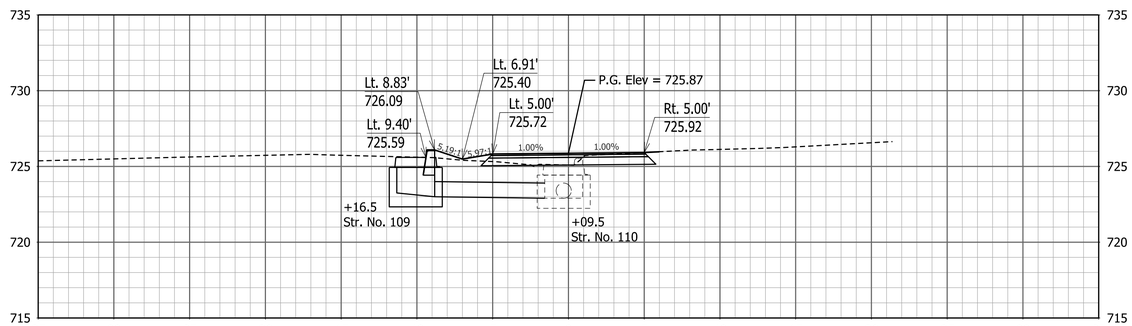
CROSS SECTIONS
LINE "P"

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
SURVEY BOOK	SHEETS
	XS 45 of XS 47
CONTRACT	PROJECT
	PA-25-001



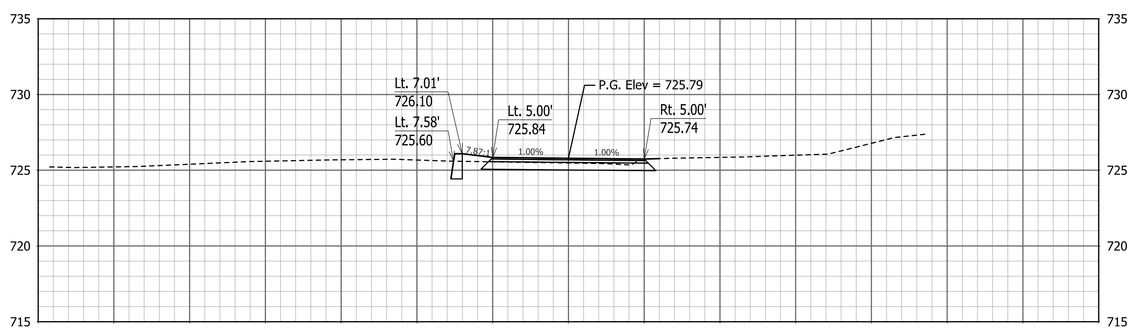
Ac = 8.6 SFT
Vc = 12 CYS
Af = 2.4 SFT
Vf = 3 CYS

38+50



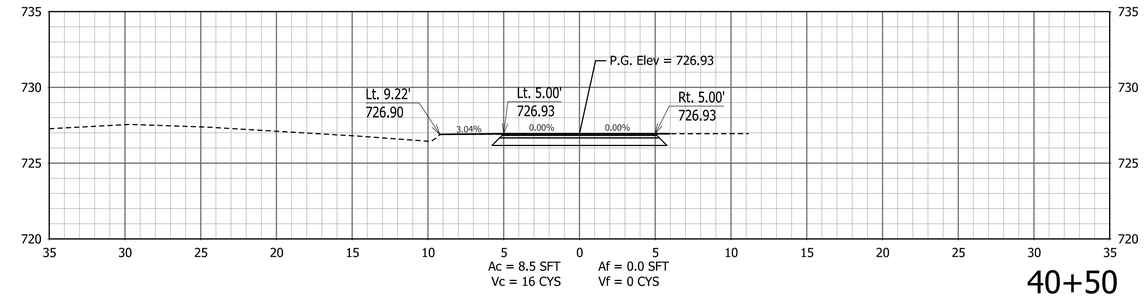
Ac = 4.7 SFT
Vc = 10 CYS
Af = 1.0 SFT
Vf = 2 CYS

38+00



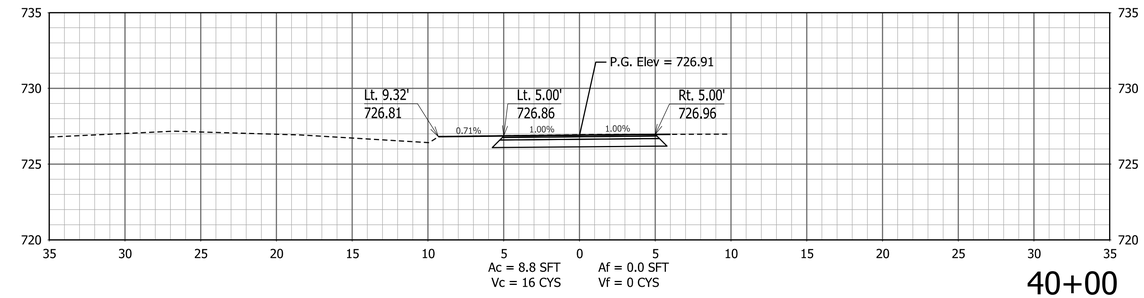
Ac = 6.1 SFT
Vc = 10 CYS
Af = 0.7 SFT
Vf = 1 CYS

37+50



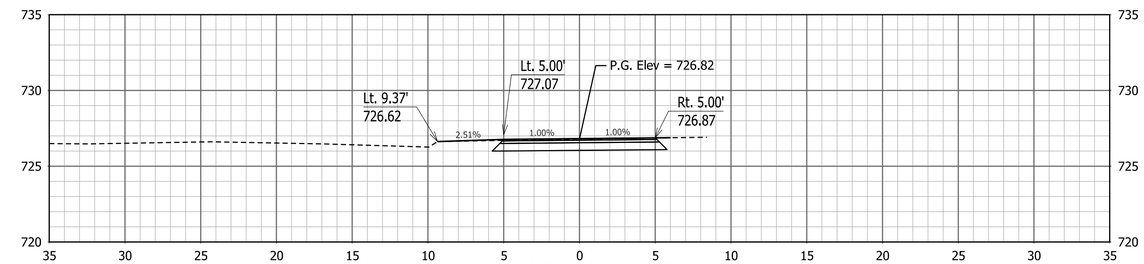
Ac = 8.5 SFT
Vc = 16 CYS
Af = 0.0 SFT
Vf = 0 CYS

40+50



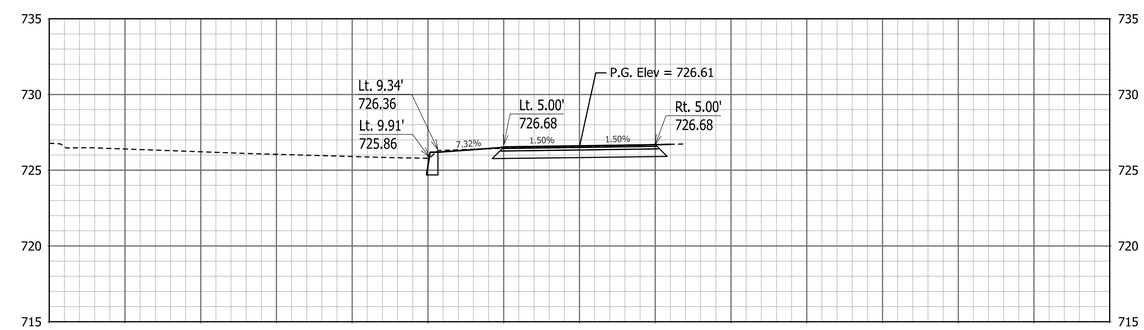
Ac = 8.8 SFT
Vc = 16 CYS
Af = 0.0 SFT
Vf = 0 CYS

40+00



Ac = 8.3 SFT
Vc = 16 CYS
Af = 0.0 SFT
Vf = 0 CYS

39+50



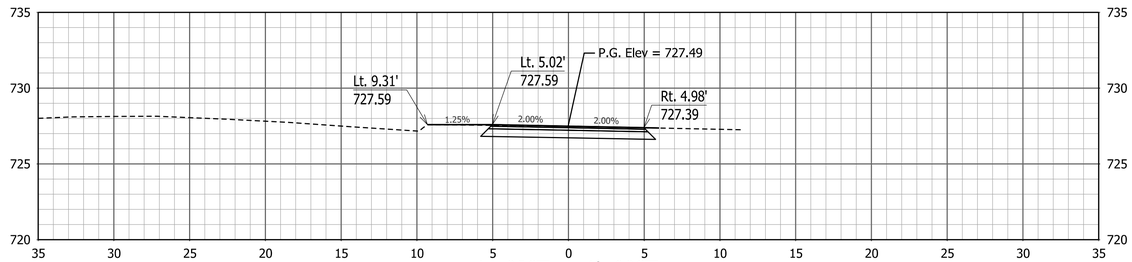
Ac = 9.0 SFT
Vc = 16 CYS
Af = 0.0 SFT
Vf = 2 CYS

39+00

STA. 37+50 TO STA. 40+50

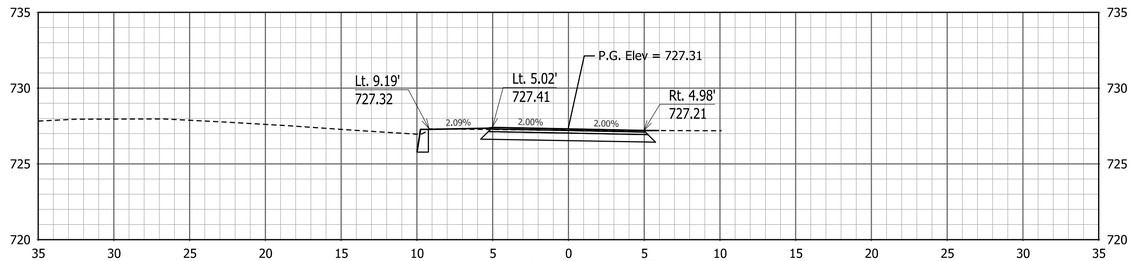
PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:22 PM

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS	SCALE 1" = 5'	BRIDGE FILE
			DESIGNATION
DESIGNED: VA DRAWN: JSS	CROSS SECTIONS LINE "P"	SURVEY BOOK	SHEETS XS 46 of XS 47
CHECKED: ACD CHECKED: VA		CONTRACT	PROJECT PA-25-001



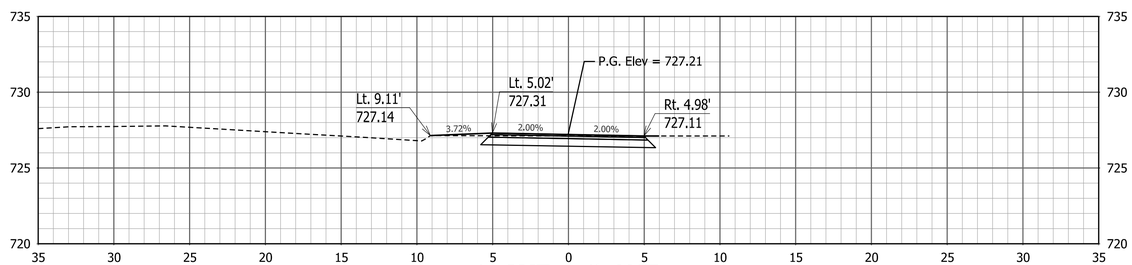
Ac = 8.5 SFT Af = 0.0 SFT
Vc = 16 CYS Vf = 0 CYS

42+50



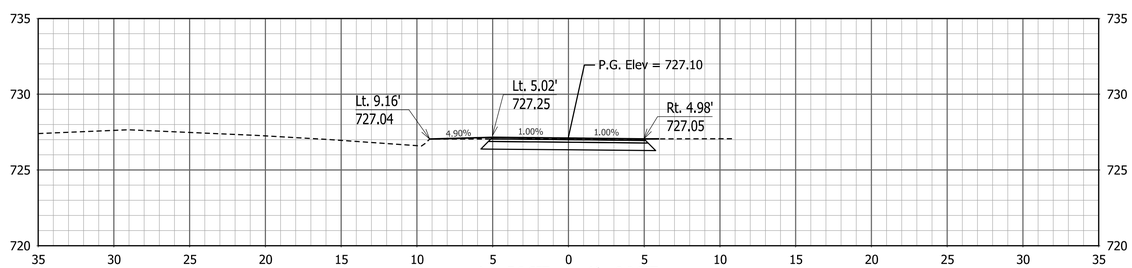
Ac = 8.5 SFT Af = 0.1 SFT
Vc = 15 CYS Vf = 0 CYS

42+00



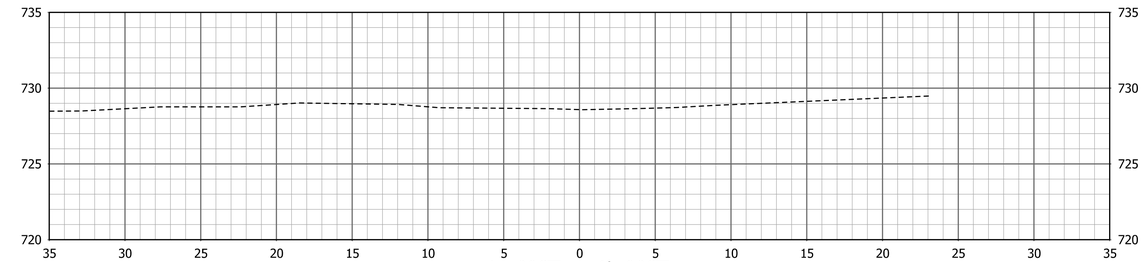
Ac = 7.5 SFT Af = 0.0 SFT
Vc = 14 CYS Vf = 0 CYS

41+50



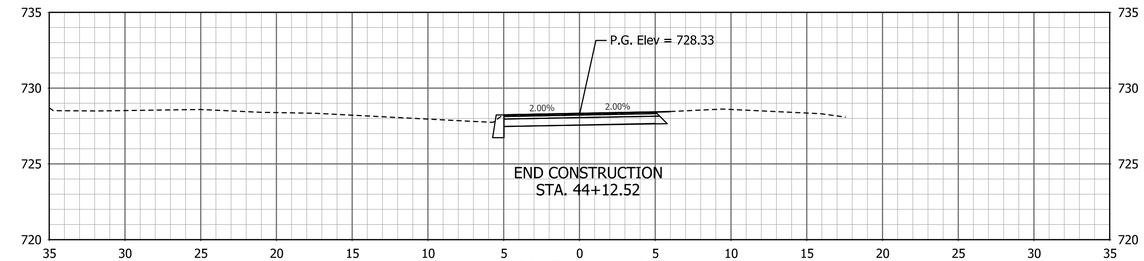
Ac = 7.9 SFT Af = 0.0 SFT
Vc = 15 CYS Vf = 0 CYS

41+00



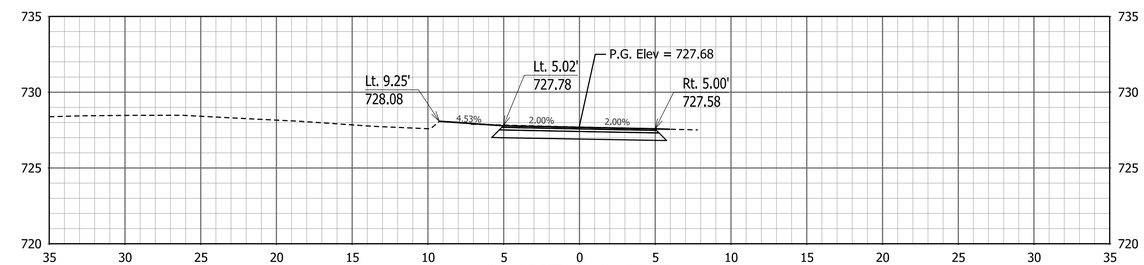
Ac = 0.0 SFT Af = 0.0 SFT
Vc = 7 CYS Vf = 0 CYS

44+50



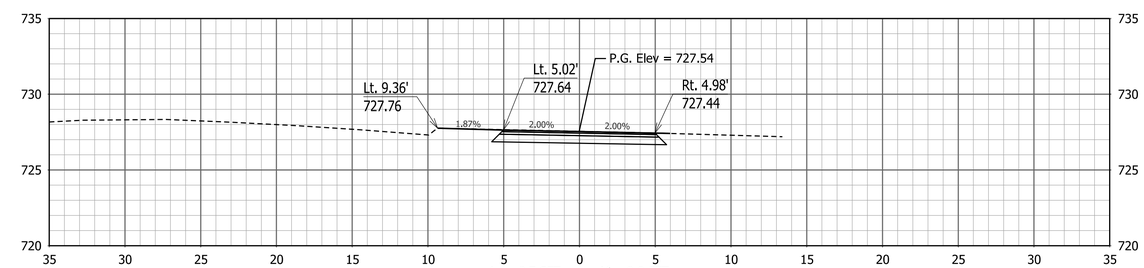
Ac = 7.6 SFT Af = 0.0 SFT
Vc = 15 CYS Vf = 0 CYS

44+00



Ac = 8.8 SFT Af = 0.0 SFT
Vc = 16 CYS Vf = 0 CYS

43+50



Ac = 8.7 SFT Af = 0.0 SFT
Vc = 16 CYS Vf = 0 CYS

43+00

STA. 41+00 TO STA. 44+50

PATH AND FILENAME: V:\Projects\IIN62\Planning and Urban Design\Projects\27813 Pogues Run Greenway\30 SheetDrawings\40 CrossSections\Sht Xsec 5_PH1_01.dgn
MODEL NAME: Default
DATE PLOTTED: 4/16/2015
TIME PLOTTED: 5:26:22 PM

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: VA DRAWN: JSS
CHECKED: ACD CHECKED: VA

CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS
LINE "P"

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
SURVEY BOOK	SHEETS
	XS 47 of XS 47
CONTRACT	PROJECT
	PA-25-001