

PROJECT	DESIGNATION
0013790	0013790 (U.S. 40 ROADWAY)
0100701	0100701 (U.S. 27 ROADWAY)
1592393	1592393 (WATER MAIN)
CONTRACT	R-30397

INDIANA
DEPARTMENT OF
TRANSPORTATION

ROAD PLANS

U.S. 40

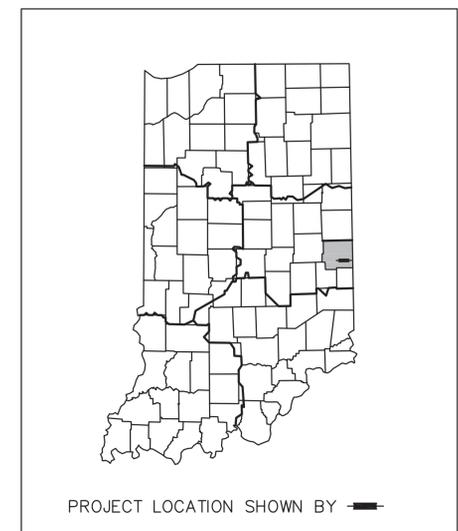
ROADWAY REHABILITATION

PROJECT NO. 0013790 PE
PROJECT NO. 0013790 RW
PROJECT NO. 0013790 CN

Roadway Rehabilitation of Eastbound U.S. 40 (S. A St. and S. 11th St.) from just east of S. 3rd St. to the south edge of the S. 11th St. and Main St. intersection. In Sections 5, 4 and 33, T-13-N, R-1-W, Wayne Township, Wayne County, Richmond, Indiana.

RP: 145+0.2 to 145+0.86
GROSS LENGTH: 3425 ft. (0.649 mi.) MAX. GRADE: 3.40 %
NET LENGTH: 3141 ft. (0.595 mi.)
LATITUDE: 39°49'38" N LONGITUDE: 84°53'34" W

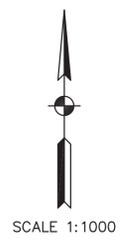
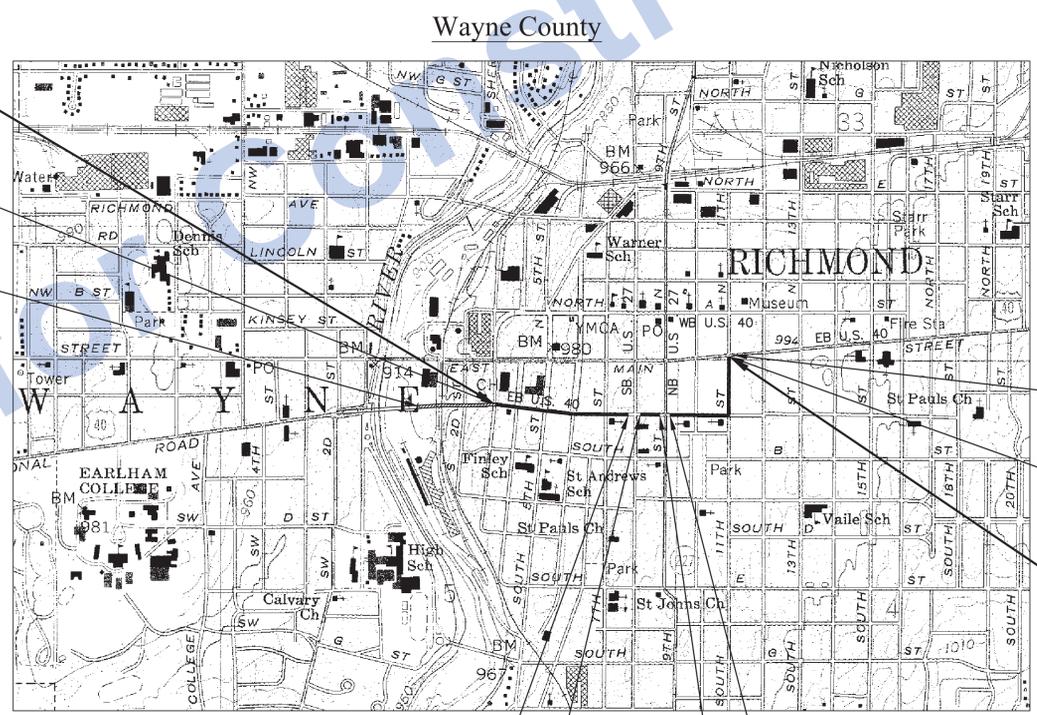
TRAFFIC DATA	
U.S.40 (S. A ST.) FROM S. 3RD ST. TO S. 11TH ST.	
A.A.D.T. (2017)	17,593 V.P.D.
A.A.D.T. (2037)	21467 V.P.D.
D.H.V. (2037)	1,863 V.P.H.
DIRECTIONAL DISTRIBUTION	100% EB
TRUCKS	6% A.A.D.T. 5% D.H.V.
TRAFFIC DATA	
U.S.40 (S. 11TH ST.) FROM S. A ST. TO E. MAIN ST.	
A.A.D.T. (2017)	2,402 V.P.D.
A.A.D.T. (2037)	2,931 V.P.D.
D.H.V. (2037)	231 V.P.H.
DIRECTIONAL DISTRIBUTION	100% NB
TRUCKS	6% A.A.D.T. 6% D.H.V.
DESIGN DATA	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (BUILT-UP)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



BEGIN PROJECT 0013790
STA. 65+30.00 LINE "A"

END INCIDENTAL CONSTRUCTION
STA. 65+30.00 LINE "A"

BEGIN INCIDENTAL CONSTRUCTION
STA. 56+31 LINE "A"
(END OF CONCRETE BRIDGE APPROACH)



END INCIDENTAL CONSTRUCTION
STA. 100+18 LINE "A"

BEGIN INCIDENTAL CONSTRUCTION
STA. 99+55.22 LINE "A"

END PROJECT 0013790
STA. 99+55.22 LINE "A"

BEGIN PAVING EXCEPTION
STA. 81+31.39 "A"

END PAVING EXCEPTION
STA. 86+12.51 "A"

END PAVING EXCEPTION
STA. 82+64.39 "A"

BEGIN PAVING EXCEPTION
STA. 84+61.51 "A"

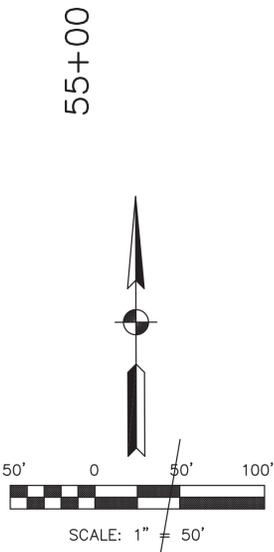
These Plans Prepared By:

5925 Lakeside Blvd.
Indianapolis, Indiana 46278
(317) 290-9549

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2016
TO BE USED WITH THESE PLANS

Stage 3 Plans	PLANS PREPARED BY: FIRST GROUP ENGINEERING, INC. (317) 290-9549 PHONE NUMBER	DESIGNATION 0013790
	CERTIFIED BY: _____ DATE _____	SHEETS 1 of 105
	APPROVED FOR LETTING: _____ DATE _____	CONTRACT PROJECT R-30397 0013790

21:00 INDOT08-147 US 40 in Downtown Richmond Road Design Road Plan Sheets01 Title and Index(08-147 Title Sheet.dwg Layout1, 8/24/2016 9:11:42 AM, 1:1

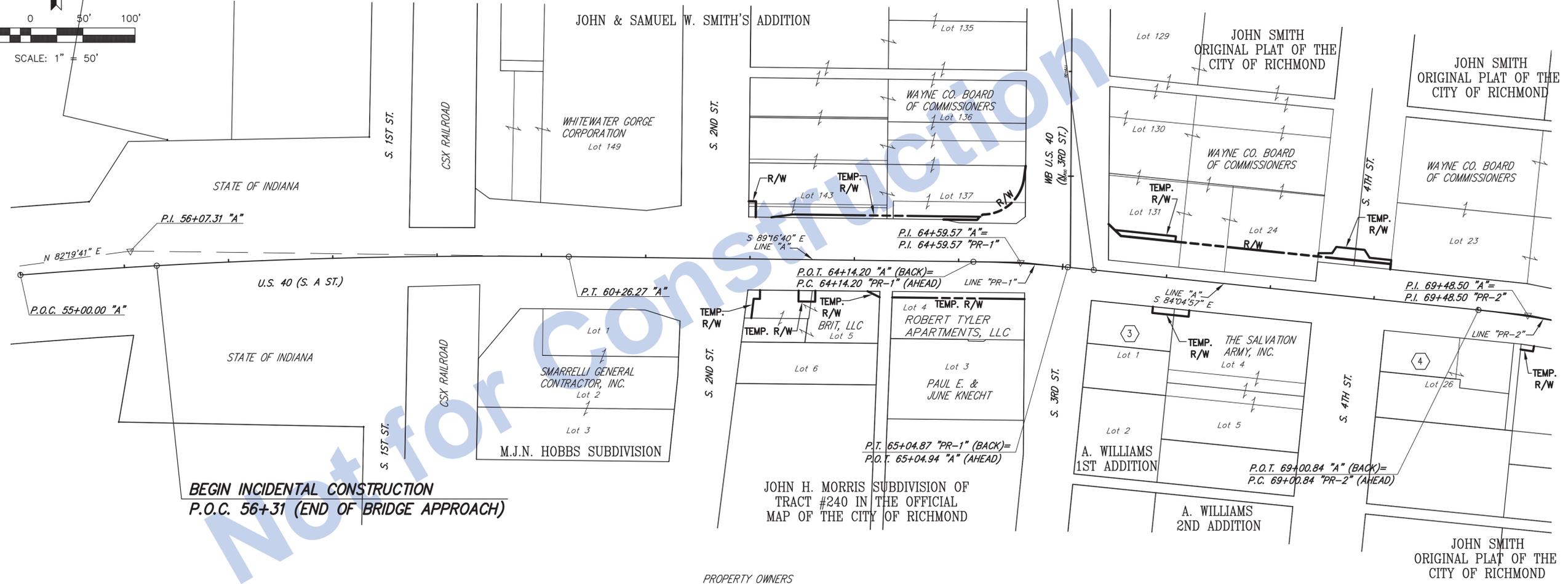


CURVE DATA
 P.I. 56+07.31 "A"
 $\Delta = 82^{\circ}3'39"$ RT.
 $R = 5,729.58'$
 $T = 420.46'$
 $L = 839.42'$
 $E = 15.41'$
 $SE = N.C.$

SEC. 5, T13N, R1W
 WAYNE TWP.
 WAYNE CO.

CURVE DATA
 P.I. 64+59.57 "PR-1"
 $\Delta = 51^{\circ}14'3"$ RT.
 $R = 1,000.00'$
 $T = 45.37'$
 $L = 90.67'$
 $E = 1.03'$
 $SE = N.C.$

CURVE DATA
 P.I. 69+48.50 "PR-2"
 $\Delta = 52^{\circ}25'$ RT.
 $R = 1,000.00'$
 $T = 47.66'$
 $L = 95.24'$
 $E = 1.13'$
 $SE = N.C.$



T:\001\INDOT\08-147 US 40 in Downtown Richmond\Road Design\Road Plan Sheets\03 Plan No. 108-147 RW Plan No. 1.dwg, PLAT 1 (1), 8/24/2016 9:50:08 AM, 1:50

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNED: P.M. _____	DRAWN: P.M. _____		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B. _____	CHECKED: J.L.B. _____		SURVEY BOOK 17327	SHEETS 4 of 105
	PLAT NO. 1			CONTRACT R-30397	PROJECT 0013790

CURVE DATA
 P.I. 69+48.50 "PR-2"
 $\Delta = 5^{\circ}27'25"$ RT.
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 $L = 95.24'$
 $E = 1.13'$
 SE = N.C.

70+00

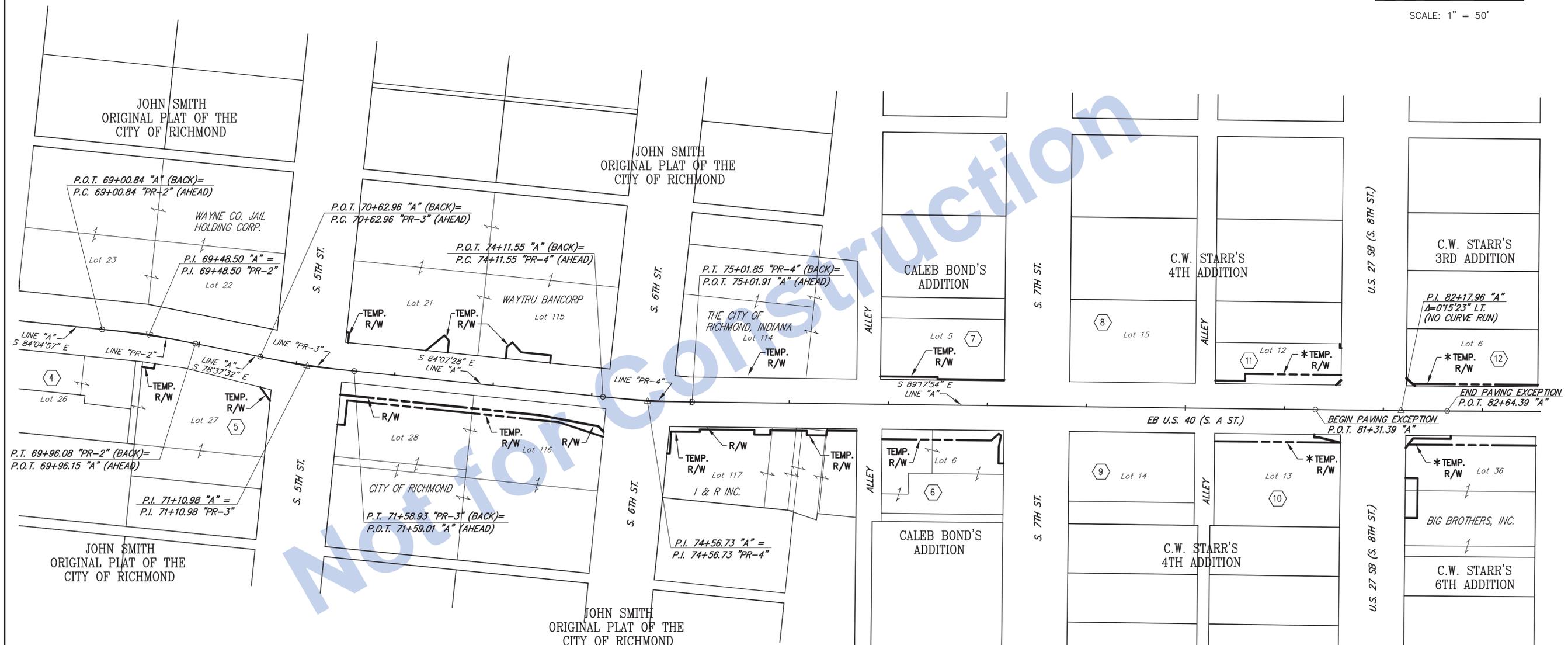
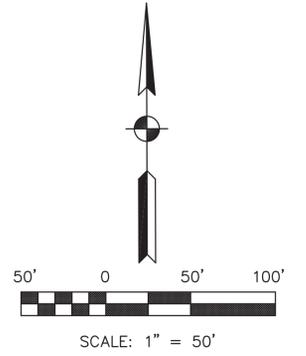
CURVE DATA
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 $\Delta = 5^{\circ}29'56"$ LT.
 $R = 1,000.00'$
 $T = 48.02'$
 $L = 95.97'$
 $E = 1.15'$
 SE = N.C.

75+00

CURVE DATA
 P.I. 74+56.73 "PR-4"
 $\Delta = 5^{\circ}10'26"$ LT.
 $R = 1,000.00'$
 $T = 45.18'$
 $L = 90.30'$
 $E = 1.02'$
 SE = N.C.

SEC. 5, T13N, R1W
 WAYNE TWP.
 WAYNE CO.

80+00



PROPERTY OWNERS

- ④ THOMAS A. & LOU E. DICKMAN
- ⑤ PRIME REALTY, LLC
- ⑥ PAUL W. LINGLE, TRUSTEE
- ⑦ ROBERT J. DELANEY ET AL.
- ⑧ WEST END SAVINGS BANK
- ⑨ THE SALVATION ARMY
- ⑩ FRANK E. & JEANIE LAHAMANN, TRUSTEES
- ⑪ RICHARD W. & DIXIE E. ARMSTRONG
- ⑫ JJR REALTY, LLP

* ACQUIRED WITH INDOT PROJECT DES. NO. 0100701

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: P.M.	DRAWN: P.M.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	5 of 105
CONTRACT	PROJECT
R-30397	0013790

T:\Y001\INDOT\08-147 US 40 In Downtown Richmond\Road Design\Road Plan Sheets\03 Plat No. 108-147 RW Plat No. 1.dwg, PLAT 1 (2), 8/24/2016 9:56:50 AM, 1:50

PROPERTY OWNERS

- | | |
|---|---|
| 11 RICHARD W. & DIXIE E. ARMSTRONG | 23 WONG/RUNNELS PROPERTIES, LLC |
| 12 JUR REALTY, LLP | 24 DAVID J. & BEATRICE M. BRUNTON |
| 13 MICHAEL J. & MAJORIE A. SELL | 25 ROBERT LEE WHITE |
| 14 ALAN O. & MARGARET T. INGLIS, TRUSTEES | 26 DORIS E. WAGNER & MARGARET M. SHESLER |
| 15 ROBBINS-MATHERLY-DILS AGENCY, INC. | 27 THE RICHARD E. & JOAN R. REYNOLDS REVOCABLE TRUST |
| 16 DONALD LEON & JANEL LOUISE COMPTON | 28 KAREN ELAINE DECOURCY & JAMES TERRIL BRUNTON |
| 17 KAEUPER REALTY, LLC | 29 RUBY B. GREENE |
| 18 RICHARD A. & LYNNE C. LAKE | 30 YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF RICHMOND, INDIANA |
| 19 STEPHEN & MELINDA ANE MEDLIN | 31 SCHNANEY FAMILY LIMITED PARTNERSHIP |
| 20 FIRST RICHMOND GROUP, LLC | 32 RUTH M. KING |
| 21 DIMITRIOS I. & EFFIE KANDRIS | 33 STEHPAN C. & CAROL E. WILLIAMS |
| 22 RIGGLE-WALTERMAN MORTUARY, INC. | |

* ACQUIRED WITH INDOT PROJECT DES. NO. 0100701

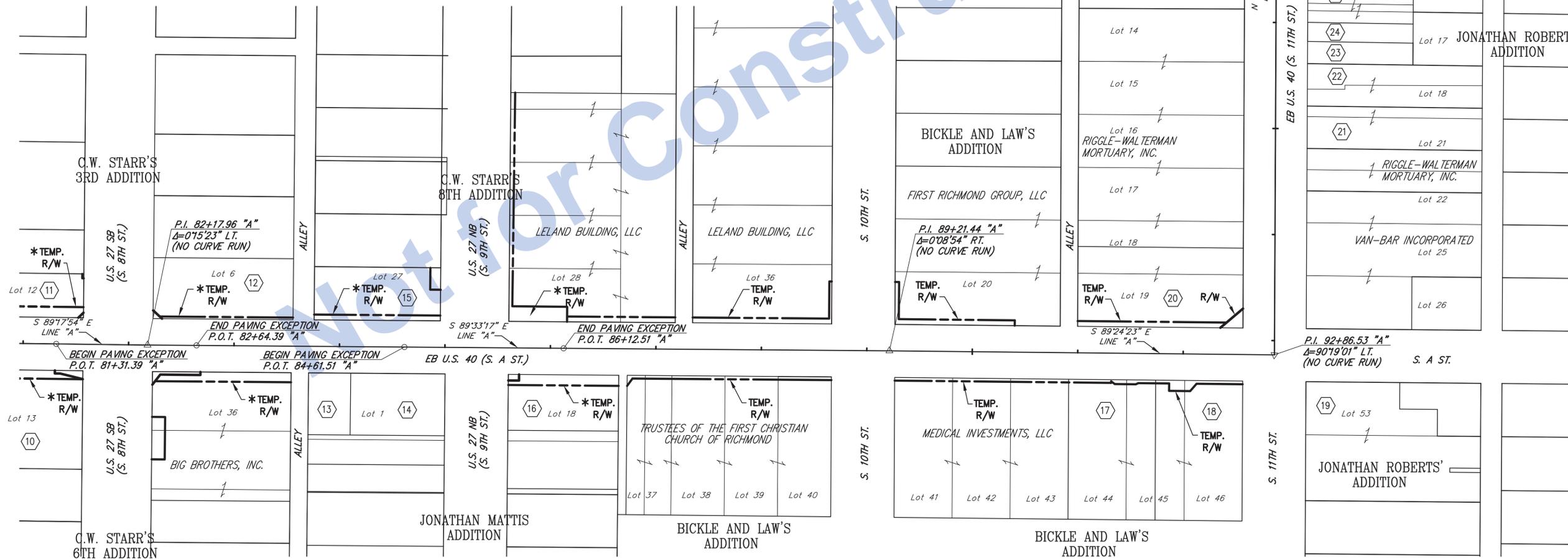
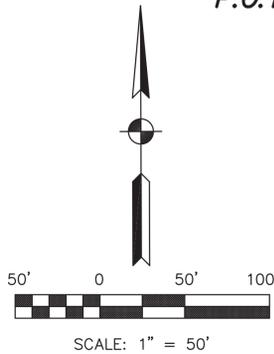
SEC. 5, T13N, R1W
WAYNE TWP.
WAYNE CO.

SEC. 33, T14N, R1W
WAYNE TWP.
WAYNE CO.

END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"

SEC. 4, T13N, R1W
WAYNE TWP.
WAYNE CO.

END INCIDENTAL CONSTRUCTION
FOR CURB RAMPS
P.O.T. 100+18.00 "A"



Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: P.M.	DRAWN: P.M.	
CHECKED: J.L.B.	CHECKED: L.C.S.	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAT NO. 1

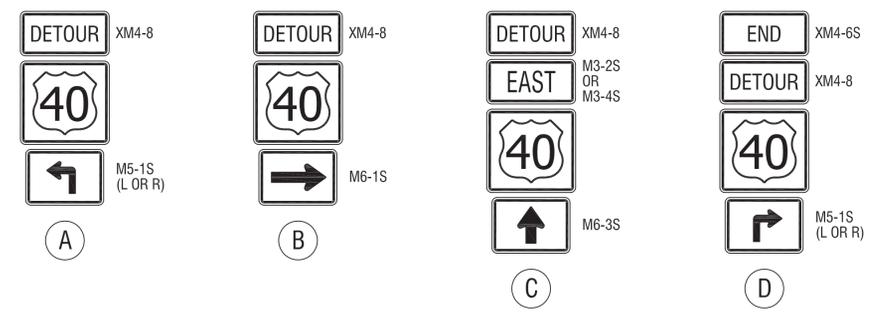
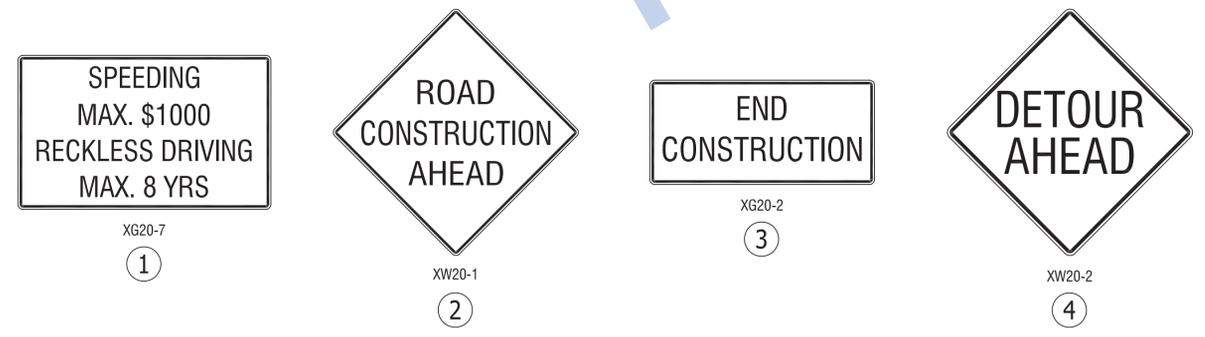
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 6 of 105
CONTRACT R-30397	PROJECT 0013790

2/1/00 INDOT08-47 US 40 In Downtown Richmond Road Plan Sheets(04) NOT FOR CONSTRUCTION Advance Sign and Detour Route, Layout, 8/24/2016 10:51:31 AM, 1:1



CONSTRUCTION SIGNS

DETOUR ROUTE MARKER ASSEMBLIES



Notes:

Unless noted signs are to be placed 200 ft. in advance of construction activity. Where two or more signs are placed in series in advance of construction activity, the spacing between signs shall be 200 ft.

For more information on construction sign spacing and details, see the Indiana Design Manual and the INDOT Standard Drawings.

This drawing shows only advance and detour route signing. For additional signing specific to each phase of construction, see the Maintenance of Traffic plan sheets.

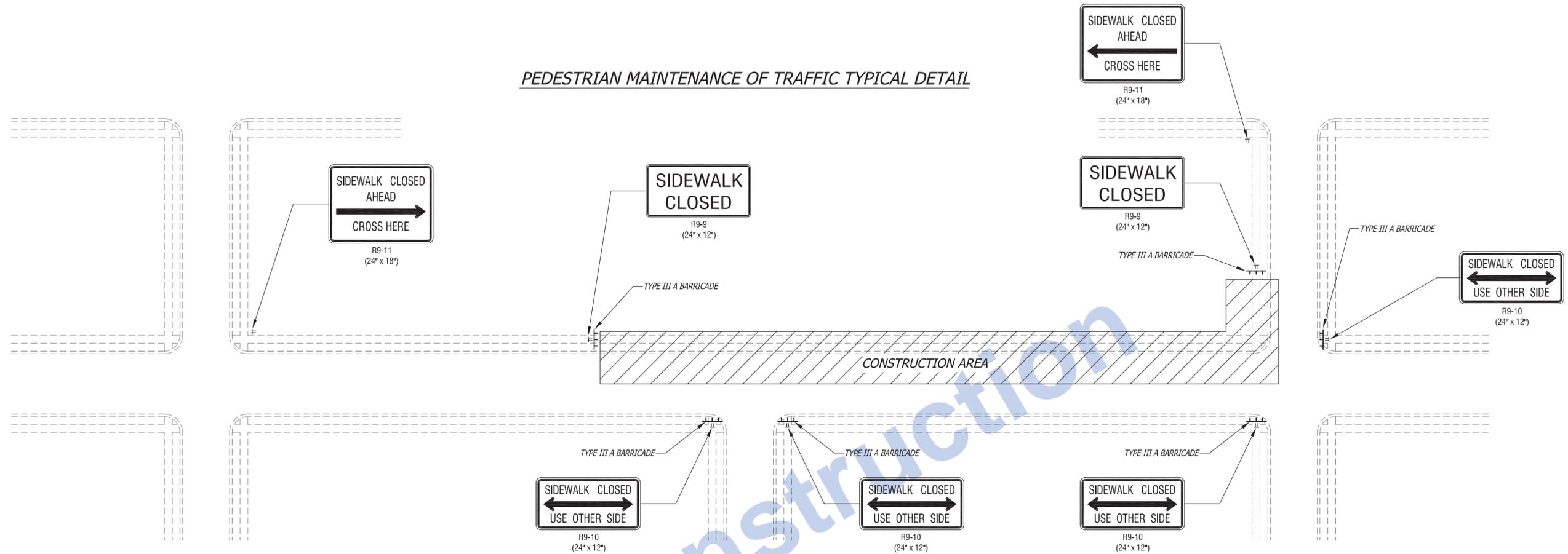
TT CONSTRUCTION SIGNS, TYPE A, B OR C

PROJECT LIMITS

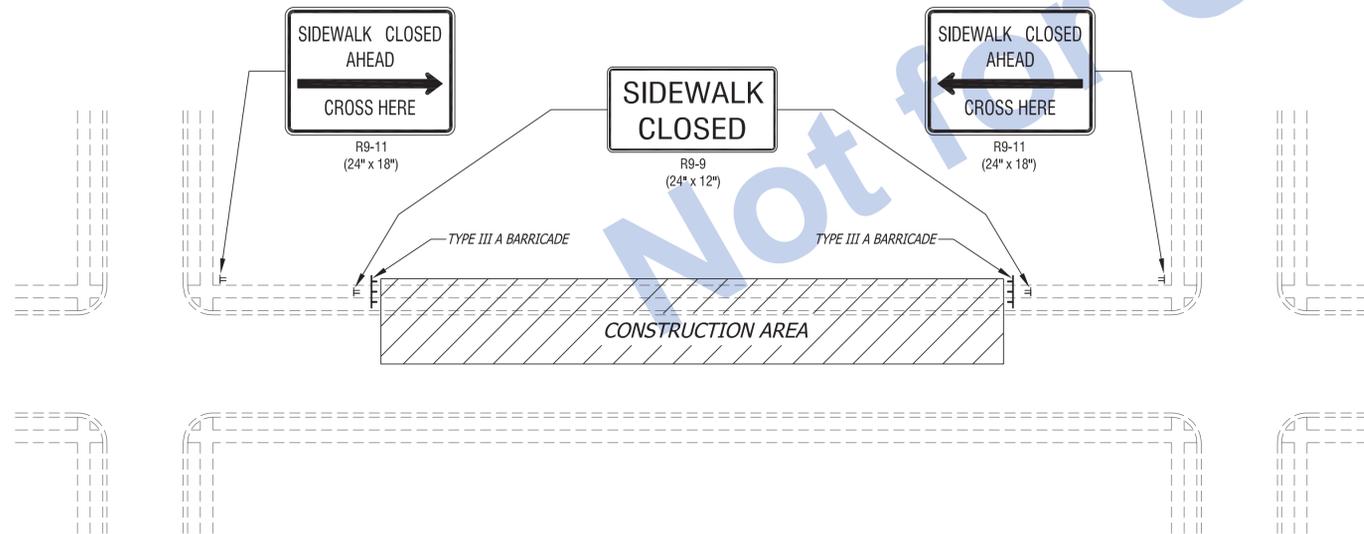
DETOUR ROUTE

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: J.P.H.	DRAWN: J.P.H.			1" = 250'	N/A
	CHECKED: J.L.B.	CHECKED: J.L.B.	VERTICAL SCALE	DESIGNATION		
			N/A	0013790		
			Maintenance of Traffic Advance Signing and Detour Route		SURVEY BOOK	SHEETS
					17327	7 of 105
					CONTRACT	PROJECT
					R-30397	0013790

PEDESTRIAN MAINTENANCE OF TRAFFIC TYPICAL DETAIL



PEDESTRIAN MAINTENANCE OF TRAFFIC TYPICAL DETAIL
MID BLOCK CONSTRUCTION ONLY (IF REQUIRED)



TYPICAL QUANTITIES REQUIRED FOR ONE BLOCK OF PEDESTRIAN MAINTENANCE OF TRAFFIC.

- CONSTRUCTION SIGN, B = 9 EA.
- BARRICADE, III-A = 72 LFT.

MOST BLOCKS MAINTAINED DURING ANY PHASE OF CONSTRUCTION = 10

PEDESTRIAN MAINTENANCE OF TRAFFIC SUMMARY OF QUANTITIES

ITEM	TOTALS
CONSTRUCTION SIGN, B	90 EA.
BARRICADE, III-A	720 LFT
COMPACTED AGGREGATE NO. 53 TEMPORARY FOR DRIVEWAYS (UNDISTRIBUTED FOR MAINTAINING ACCESSIBLE SIDEWALK RAMP AND FILLING VOIDS FROM THE REMOVAL OF LIGHT POLE FOUNDATIONS)	150 TONS

NOTES:

1. AN ALTERNATE PEDESTRIAN ACCESS ROUTE IS REQUIRED WHEN AN EXISTING PEDESTRIAN CIRCULATION PATH IS TEMPORARILY CLOSED BY CONSTRUCTION, ALTERATION, MAINTENANCE OR OTHER CONDITION.
2. THE DETAILS ON THIS SHEET SHOW THE MINIMUM REQUIRED SIGNAGE FOR PEDESTRIAN MAINTENANCE OF TRAFFIC. THE DISPLAYED SIGNING AND BARRICADES ARE REQUIRED IN ADDITION TO THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR VEHICULAR TRAFFIC.
3. FOR OVERNIGHT SIDEWALK CLOSURES, TYPE A WARNING LIGHTS SHALL BE USED ON BARRICADES THAT SUPPORT SIGNS AND CLOSE SIDEWALK.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED.
5. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY. SEQUENCE CONSTRUCTION OF SIDEWALK RAMP AS TO MAINTAIN AN ACCESSIBLE CROSSING AT ALL TIMES.

Stage 3 Plans

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: J.P.H.
CHECKED: J.P.H. CHECKED: J.L.B.

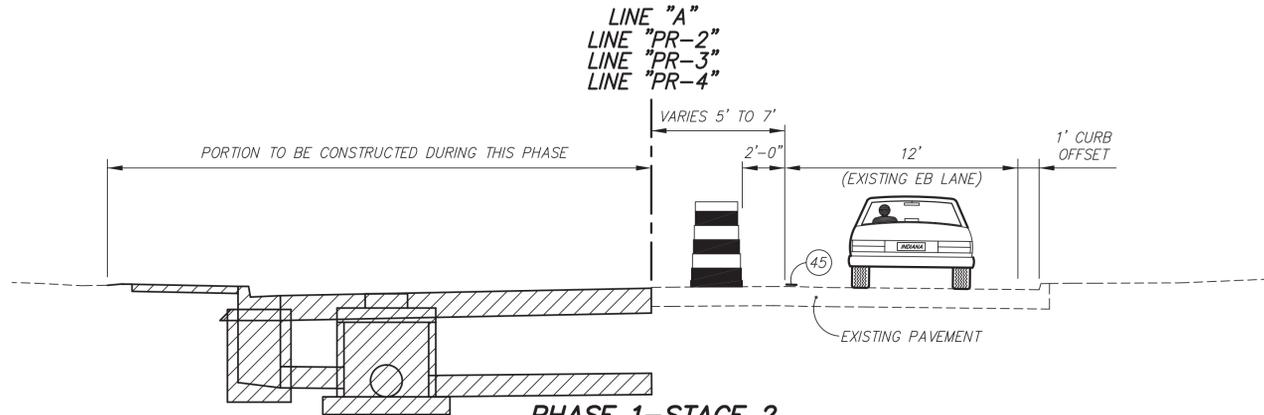
INDIANA DEPARTMENT OF TRANSPORTATION

Maintenance of Traffic Pedestrian Access

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	8 of 105
CONTRACT	PROJECT
R-30397	0013790

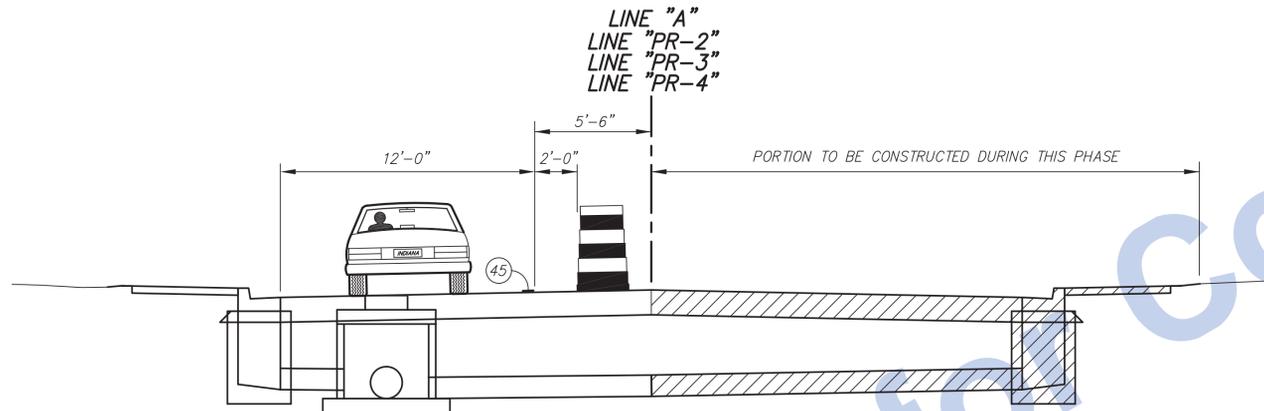
PHASE 1-STAGE 1 (NOT SHOWN)

EB U.S. 40 (S. A ST.)
 CONSTRUCT PORTIONS OF STORM SEWER AND ROADWAY AS SHOWN ON PLANS. USE FLAGGERS TO DIRECT TRAFFIC AS NECESSARY.



PHASE 1-STAGE 2

EB U.S. 40 (S. A ST.)
 STA. 65+30 "A" TO STA. 81+31.39 "A"
 REVERSE FOR STA. 86+12.51 "A" TO STA. 92+50 "A" (NOT SHOWN)
 (CONSTRUCT WATER LINE FROM STA. 86+12.51 "A" TO STA. 92+50 "A" DURING THIS PHASE)



PHASE 2-STAGE 1

EB U.S. 40 (S. A ST.)
 STA. 65+30 "A" TO STA. 81+31.39 "A"

PHASE 2-STAGE 2 (NOT SHOWN)

EB U.S. 40 (S. A ST.)
 REVERSE OF PHASE 2-STAGE 1
 STA. 86+12.51 "A" TO STA. 92+50 "A"

PHASE 3 (NOT SHOWN)

EB U.S. 40 (S. A ST.)
 STA. 82+64.39 "A" TO STA. 84+61.51 "A"
 CONSTRUCT IN HALVES WHILE MAINTAINING ONE LANE OF EB TRAFFIC (AS SHOWN ABOVE)

PHASE 4 (NOT SHOWN)

EB U.S. 40 (S. A ST. and S. 11th ST.)
 STA. 56+31 "A" TO STA. 99+55.22 "A"
 USING FLAGGERS TO MAINTAIN TRAFFIC, PLACE FINAL SURFACE LAYER ON ROADWAY AND ALL APPROACHES.

LEGEND

- STANDARD DRUM (ELEVATION VIEW)
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)

DESIGN SPEED FOR MAINTENANCE OF TRAFFIC IS 25 M.P.H.

NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

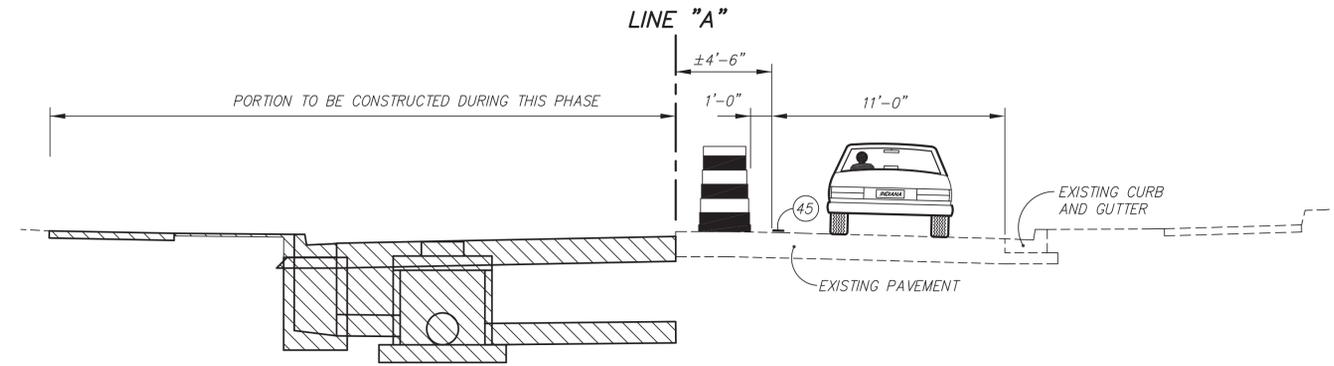
WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

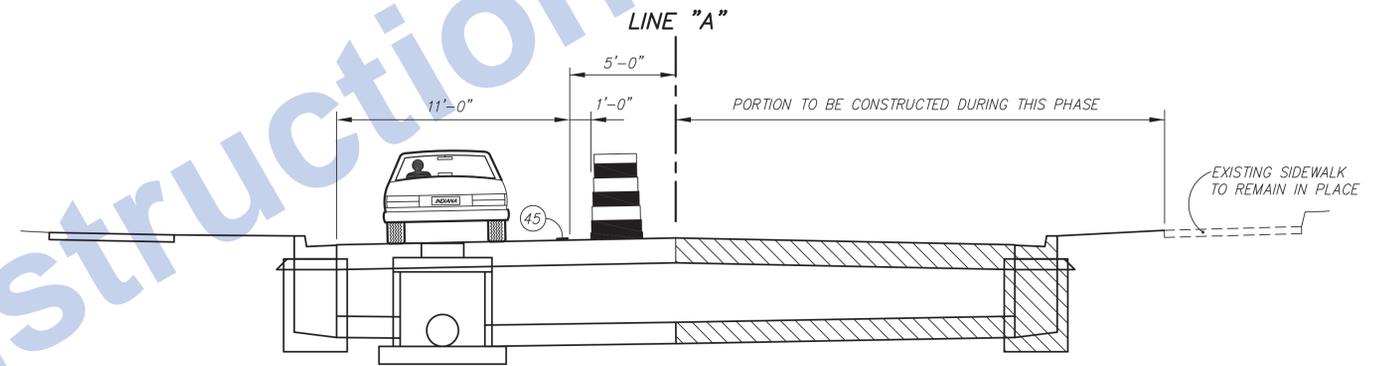
CONSTRUCTION OF WATER LINE CROSSINGS ALL PHASES

WATER LINES THAT CROSS THE ROADWAY TO BE CONSTRUCTED WHILE USING FLAGGERS TO MAINTAIN TRAFFIC. PAVEMENT CUTS THAT CROSS TRAFFIC LANES THAT WILL BE REOPENED TO TRAFFIC TO BE PATCHED WITH HMA FOR STRUCTURE INSTALLATION.



PHASE 2-STAGE 1

EB U.S. 40 (S. 11TH ST.)
 STA. 93+25.73 "A" TO STA. 99+55.22 "A"
 (CONSTRUCT WATER LINE FROM STA. 92+90 "A" TO STA. 99+55.22 "A" DURING THIS PHASE)



PHASE 2-STAGE 2

EB U.S. 40 (S. 11TH ST.)
 STA. 93+25.73 "A" TO STA. 99+55.22 "A"

MAINTENANCE OF TRAFFIC SUMMARY OF QUANTITIES

ITEM	PHASE 1 STAGE 1	PHASE 2 STAGE 2	PHASE 2 STAGE 1	PHASE 2 STAGE 2	PHASE 3 STAGE 1	PHASE 3 STAGE 2	PHASE 4 NOT SHOWN	UNDISTRIBUTED	TOTALS
HMA PATCHING, TYPE B (FOR USE ON OFFICAL DETOUR)	-	-	-	-	-	-	-	50 TONS	50 TONS
HMA WEDGE AND LEVEL, TYPE B (TO MAINTAIN DRIVE AND STREET APPROACHES)	-	-	-	-	-	-	-	50 TONS	50 TONS
HMA FOR STRUCTURE INSTALLATION, TYPE C	110 TONS	-	-	-	-	-	-	100 TONS	210 TONS
COMPACTED AGGREGATE NO. 53 TEMPORARY FOR DRIVEWAYS	-	-	-	-	-	-	-	850 TONS	850 TONS
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)	-	3,350 LFT	5,300 LFT	500 LFT	800 LFT	800 LFT	-	-	13,400 LFT
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW)	-	1,050 LFT	1,400 LFT	200 LFT	-	-	-	-	-
TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW	-	7 EA	10 EA	10 EA	2 EA	2 EA	-	-	31 EA
TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.	-	105 LFT	320 LFT	150 LFT	50 LFT	50 LFT	-	-	675 LFT
CONSTRUCTION SIGN, A	45 EA	49 EA	55 EA	55 EA	47 EA	47 EA	45 EA	-	* 55 EA
CONSTRUCTION SIGN, B	-	14 EA	16 EA	16 EA	6 EA	6 EA	-	-	* 16 EA
CONSTRUCTION SIGN, C	6 EA	-	* 6 EA						
ROAD CLOSURE SIGN ASSEMBLY	-	11 EA	9 EA	2 EA	-	-	-	-	* 11 EA
DETOUR ROUTE MARKER ASSEMBLY	-	-	4 EA	-	-	-	-	-	* 4 EA
FLASHING ARROW SIGN	-	270 DAYS	270 DAYS	90 DAYS	30 DAYS	30 DAYS	-	-	690 DAYS
BARRICADE, III-B	-	600 LFT	600 LFT	180 LFT	50 LFT	50 LFT	-	-	* 600 LFT
SIGNAL HEAD RELOCATE	-	7 EA	7 EA	2 EA	2 EA	2 EA	-	-	20 EA
CONTROLLER RESET TIMING	-	7 EA	7 EA	2 EA	2 EA	2 EA	-	-	20 EA
MAINTAINING TRAFFIC	-	-	-	-	-	-	-	-	1 LS
LINE, REMOVE	-	1,000 LFT	900 LFT	100 LFT	-	-	-	-	2,000 LFT

* MOST USED DURING ANY ONE PHASE

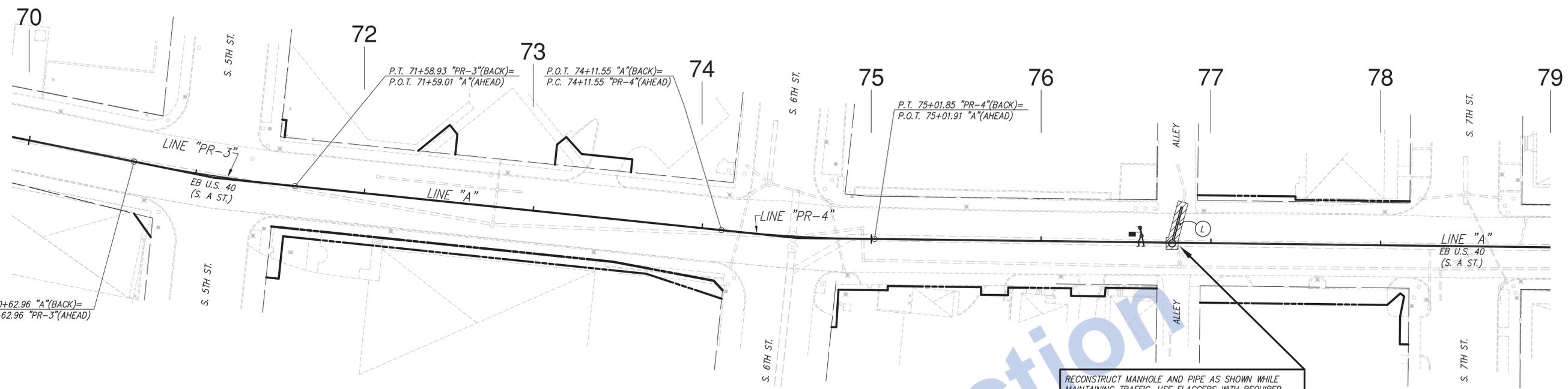
Stage 3 Plans

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE _____

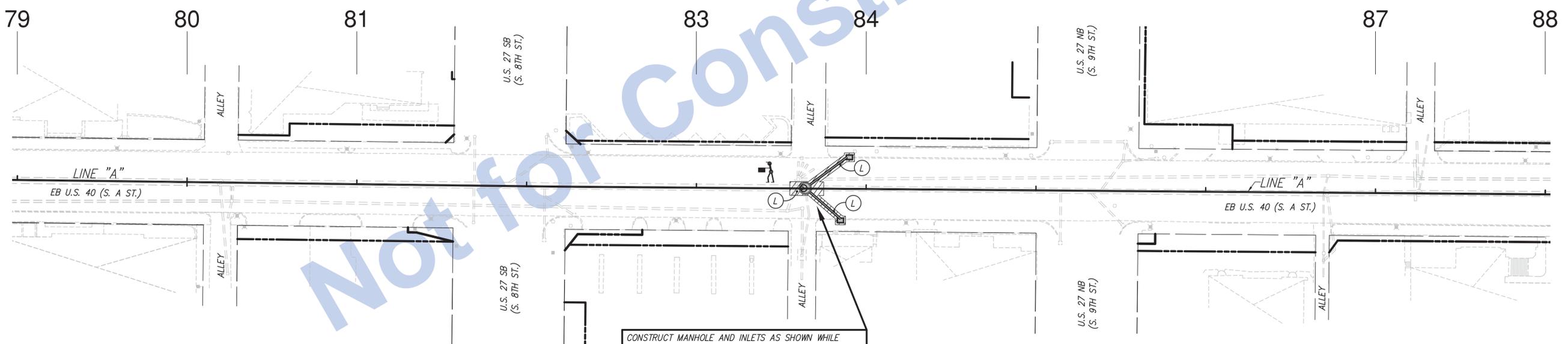
DESIGNED: J.P.H. DRAWN: J.P.H.
 CHECKED: J.L.B. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION
 Eastbound U.S. 40 (S. A St. and S. 11th St.)
 Maintenance of Traffic - Typical Sections

HORIZONTAL SCALE 1" = 4'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 9 of 105
CONTRACT R-30397	PROJECT 0013790



RECONSTRUCT MANHOLE AND PIPE AS SHOWN WHILE MAINTAINING TRAFFIC. USE FLAGGERS WITH REQUIRED ADVANCED SIGNING AND CHANNELIZATION DEVICES. SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE. THIS WORK TO BE PERFORMED DURING DAYLIGHT HOURS ONLY.



CONSTRUCT MANHOLE AND INLETS AS SHOWN WHILE MAINTAINING TRAFFIC. USE FLAGGERS WITH REQUIRED ADVANCED SIGNING AND CHANNELIZATION DEVICES. SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE. THIS WORK TO BE PERFORMED DURING DAYLIGHT HOURS ONLY.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

- FLAGGER
- STANDARD DRUM
- BARRICADE, TYPE III-B
- TRAFFIC FLOW ARROW
- CONSTRUCTION SIGNS, TYPE A, B OR C
- FLASHING ARROW SIGN

LEGEND

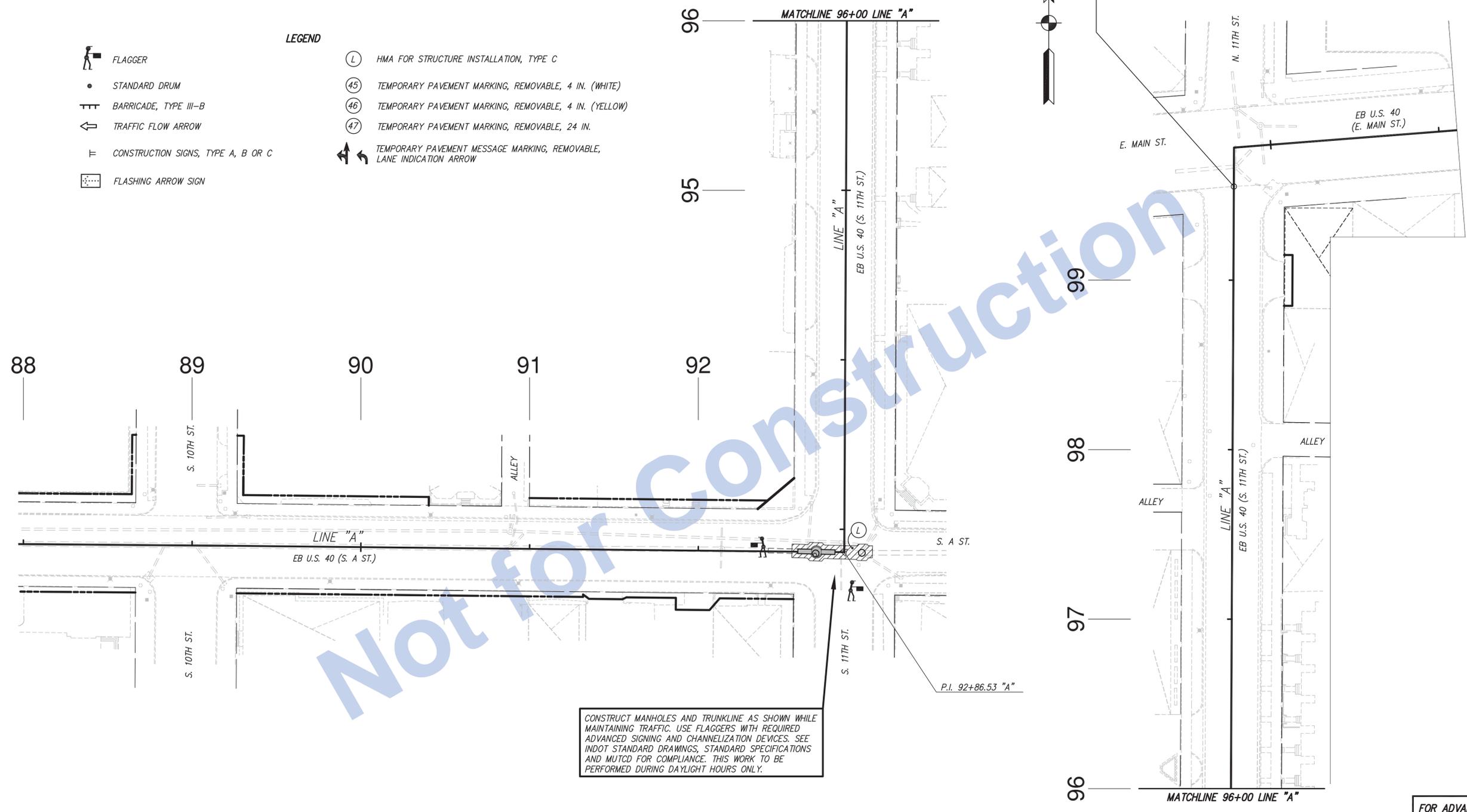
- HMA FOR STRUCTURE INSTALLATION, TYPE C
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW)
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.
- TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGN ENGINEER DATE				1" = 30'	N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.	VERTICAL SCALE	DESIGNATION		
	CHECKED: J.L.B.	CHECKED: J.L.B.	N/A	0013790		
Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 1 - Stage 1				SURVEY BOOK	SHEETS	
				17327	10 of 105	
				CONTRACT	PROJECT	
				R-30397	0013790	

- FLAGGER
- STANDARD DRUM
- BARRICADE, TYPE III-B
- TRAFFIC FLOW ARROW
- CONSTRUCTION SIGNS, TYPE A, B OR C
- FLASHING ARROW SIGN

LEGEND

- HMA FOR STRUCTURE INSTALLATION, TYPE C
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)
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- TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW



END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"



CONSTRUCT MANHOLES AND TRUNKLINE AS SHOWN WHILE MAINTAINING TRAFFIC. USE FLAGGERS WITH REQUIRED ADVANCED SIGNING AND CHANNELIZATION DEVICES. SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE. THIS WORK TO BE PERFORMED DURING DAYLIGHT HOURS ONLY.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
DEPARTMENT OF TRANSPORTATION
Eastbound U.S. 40 (S. A St. and S. 11th St.)
Maintenance of Traffic - Phase 1 - Stage 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	11 of 105
CONTRACT	PROJECT
R-30397	0013790

BEGIN INCIDENTAL CONSTRUCTION
P.O.C. 56+31 "A"
(END OF BRIDGE APPROACH)

57

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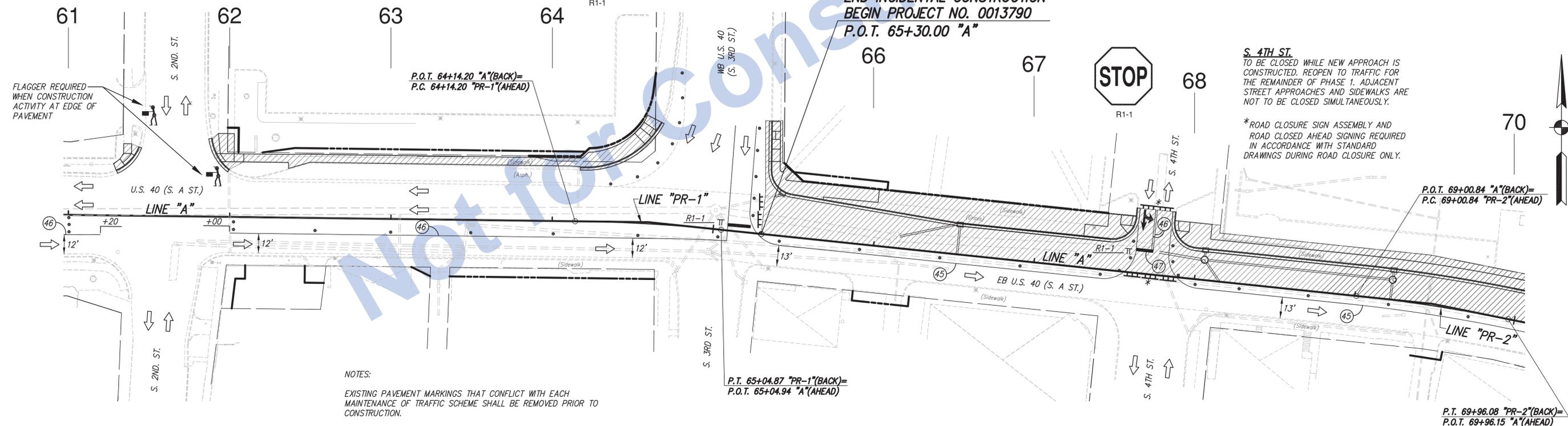
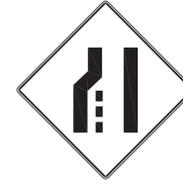
60

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- LEGEND**
- FLAGGER
 - STANDARD DRUM
 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGNS, TYPE A, B OR C
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 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.
 - TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

- CONSTRUCTION SIGNS**
- LEFT LANE CLOSED AHEAD
XW20-5 (L)
 - XW4-2-A (R)
 - STOP
R1-1
 - SPEED LIMIT 25
R2-1(25)

CONSTRUCTION SIGNS



NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

S. 4TH ST.
 TO BE CLOSED WHILE NEW APPROACH IS CONSTRUCTED. REOPEN TO TRAFFIC FOR THE REMAINDER OF PHASE 1. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY.

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FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans

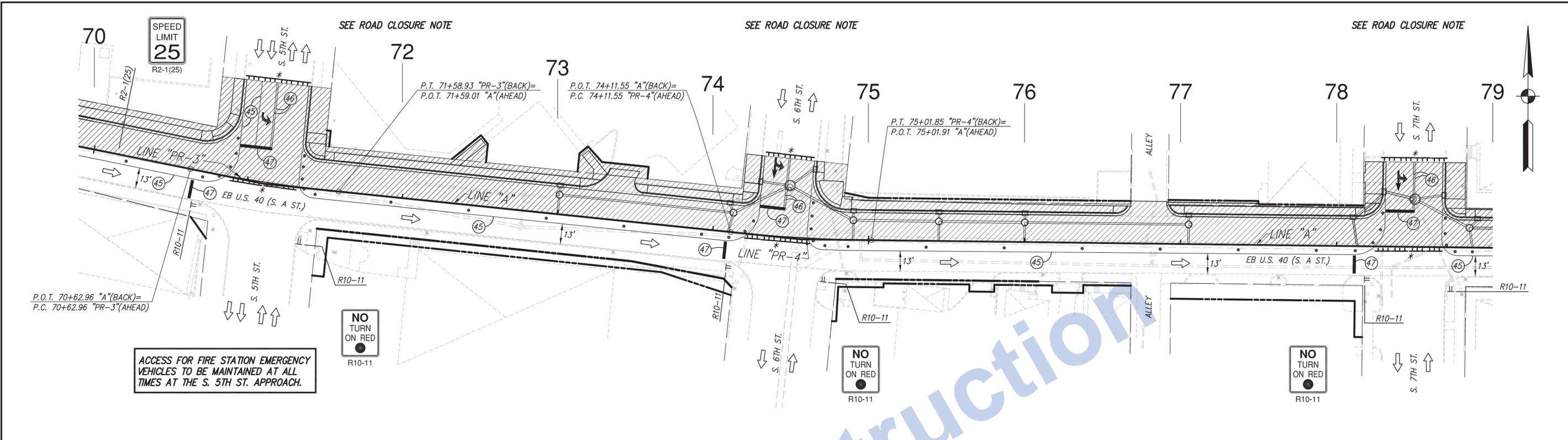
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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INDIANA
 DEPARTMENT OF TRANSPORTATION

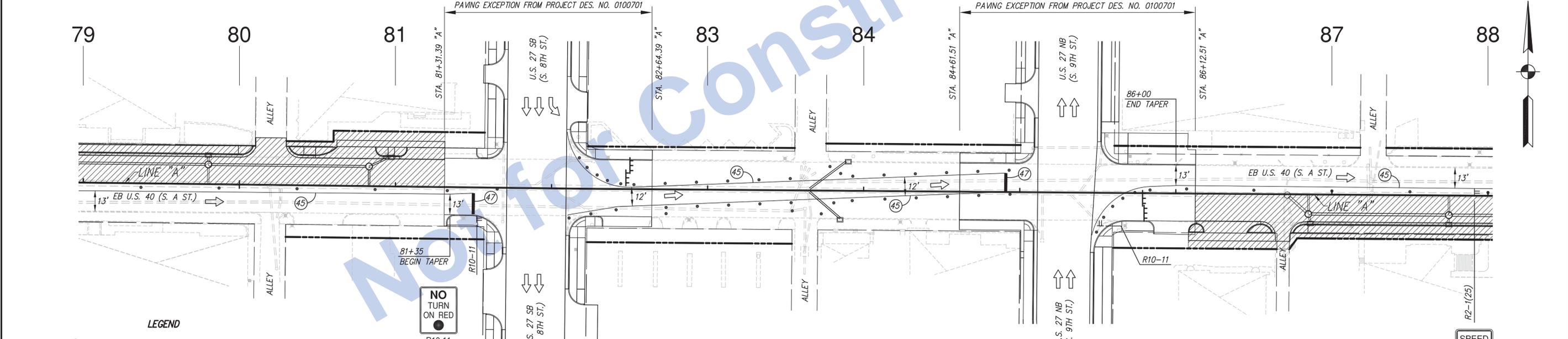
Eastbound U.S. 40 (S. A St.)
 Maintenance of Traffic - Phase 1 - Stage 2

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	12 of 105
CONTRACT	PROJECT
R-30397	0013790

21:00 INDOT08-147 US 40 In Downtown Richmond Road Design/Road Plan Sheets(04-MOT)WOT PHASE 1 STAGE 2.dwg, Plan Sheet 2, 8/24/2016 11:16:37 AM, 1:30



ACCESS FOR FIRE STATION EMERGENCY VEHICLES TO BE MAINTAINED AT ALL TIMES AT THE S. 5TH ST. APPROACH.



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- FLAGGER
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 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGNS, TYPE A, B OR C
 - FLASHING ARROW SIGN
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NOTES:

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FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

ROAD CLOSURE NOTE:

S. 5TH ST., S. 6TH ST., S. 7TH ST. TO BE CLOSED WHILE NEW APPROACH IS CONSTRUCTED. REOPEN TO TRAFFIC FOR THE REMAINDER OF PHASE 1. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY.

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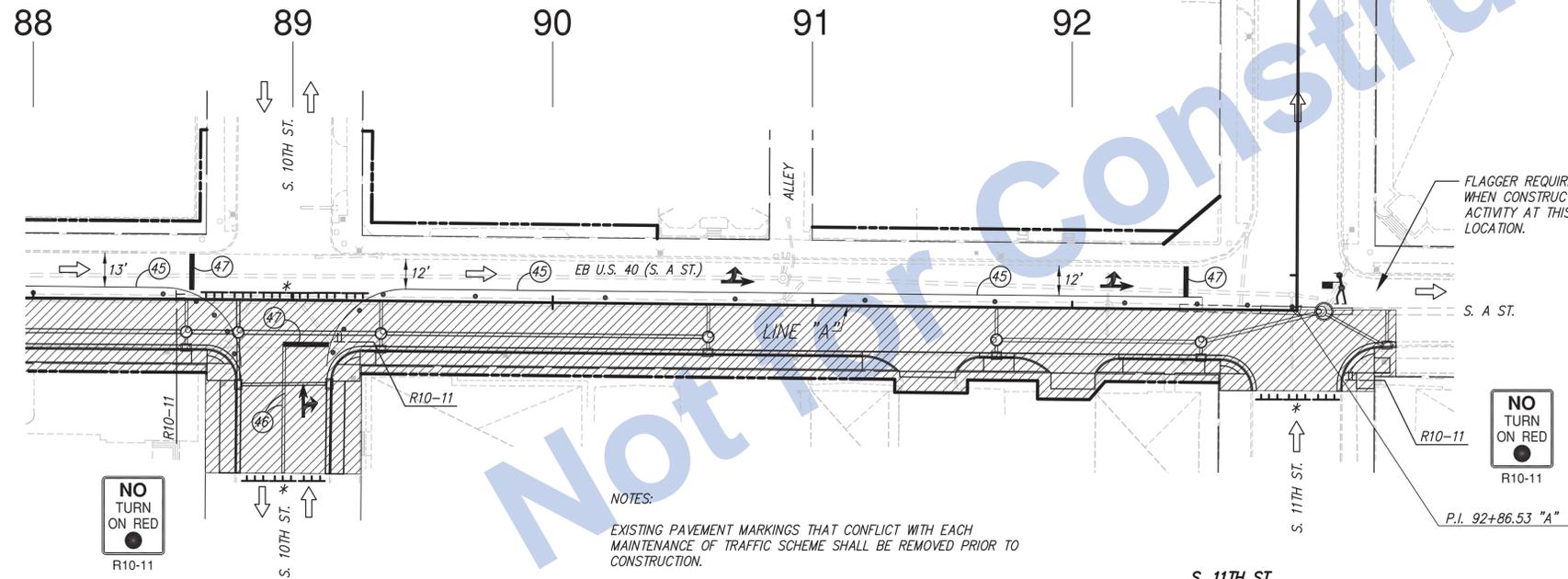
Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: J.P.H.	DRAWN: J.P.H.				1" = 30'	N/A
	CHECKED: J.L.B.	CHECKED: J.L.B.		VERTICAL SCALE	DESIGNATION		
				N/A	0013790		
				Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 1 - Stage 2		SURVEY BOOK	SHEETS
				17327	13 of 105		
				CONTRACT	PROJECT		
				R-30397	0013790		

SPEED LIMIT 25
R2-1(25)

- FLAGGER
- STANDARD DRUM
- BARRICADE, TYPE III-B
- TRAFFIC FLOW ARROW
- CONSTRUCTION SIGNS, TYPE A, B OR C
- FLASHING ARROW SIGN

LEGEND

- HMA FOR STRUCTURE INSTALLATION, TYPE C
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NO TURN ON RED
R10-11

S. 10TH ST.
TO BE CLOSED WHILE NEW APPROACH IS CONSTRUCTED. REOPEN TO TRAFFIC FOR THE REMAINDER OF PHASE 1. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY.

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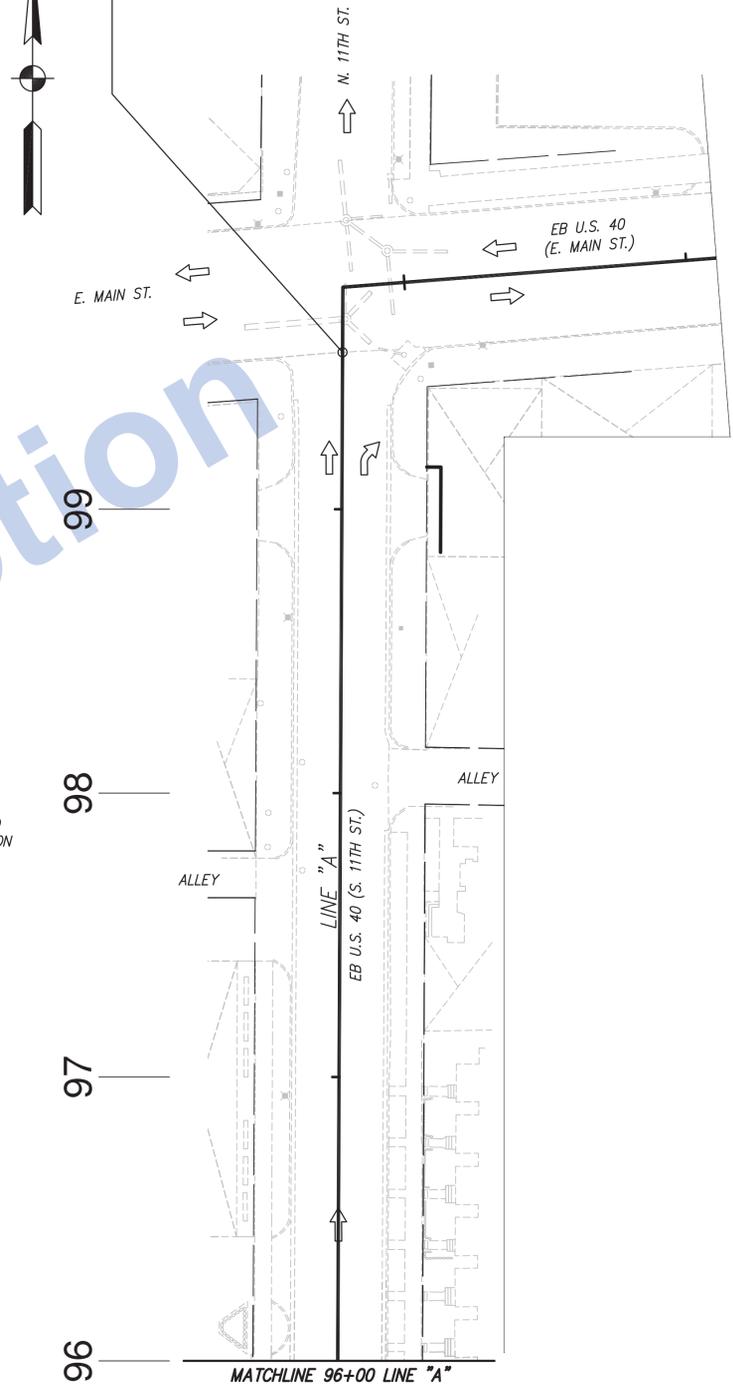
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NO TURN ON RED
R10-11

END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"



FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
DEPARTMENT OF TRANSPORTATION
Eastbound U.S. 40 (S. A St. and S. 11th St.)
Maintenance of Traffic - Phase 1 - Stage 2

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	14 of 105
CONTRACT	PROJECT
R-30397	0013790

BEGIN INCIDENTAL CONSTRUCTION
P.O.C. 56+31 "A"
(END OF BRIDGE APPROACH)

57

58

59

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- LEGEND**
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 - STANDARD DRUM
 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
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- TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

NOTES:

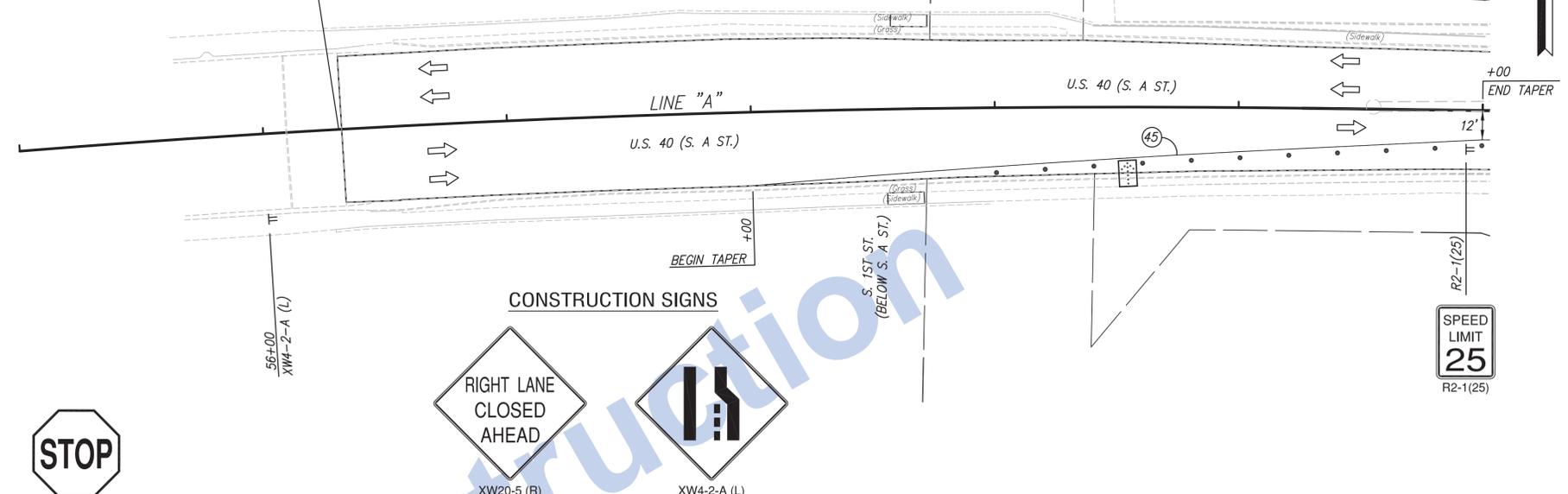
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SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.



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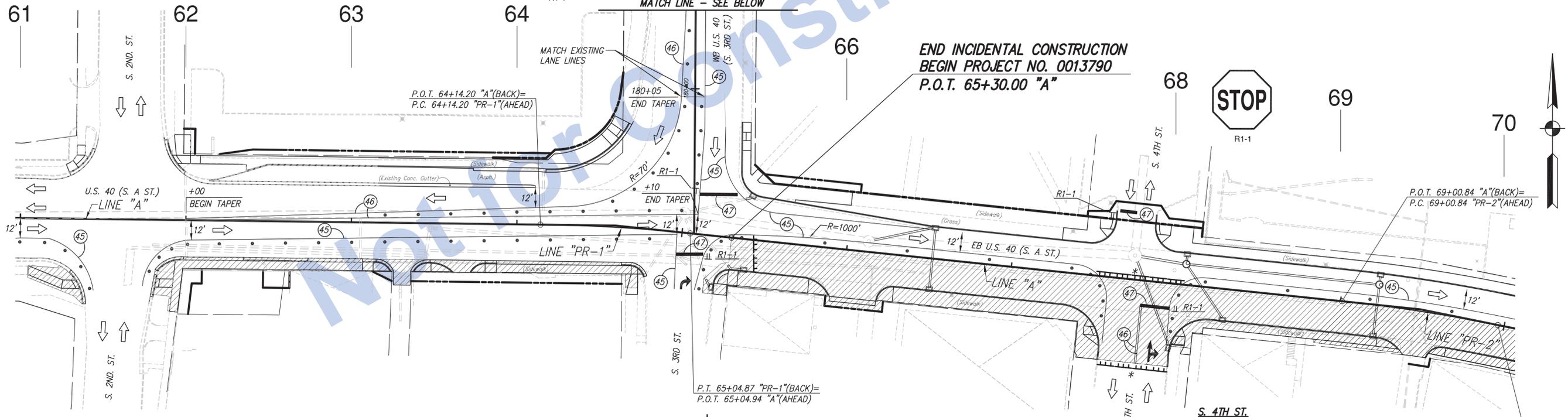
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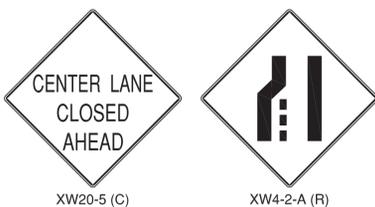
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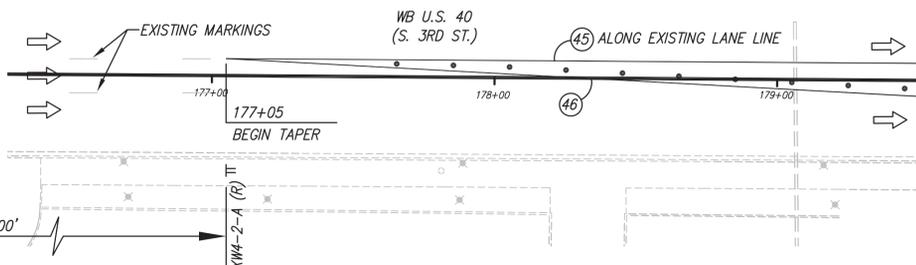
CONSTRUCTION SIGNS



FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

S. 4TH ST.
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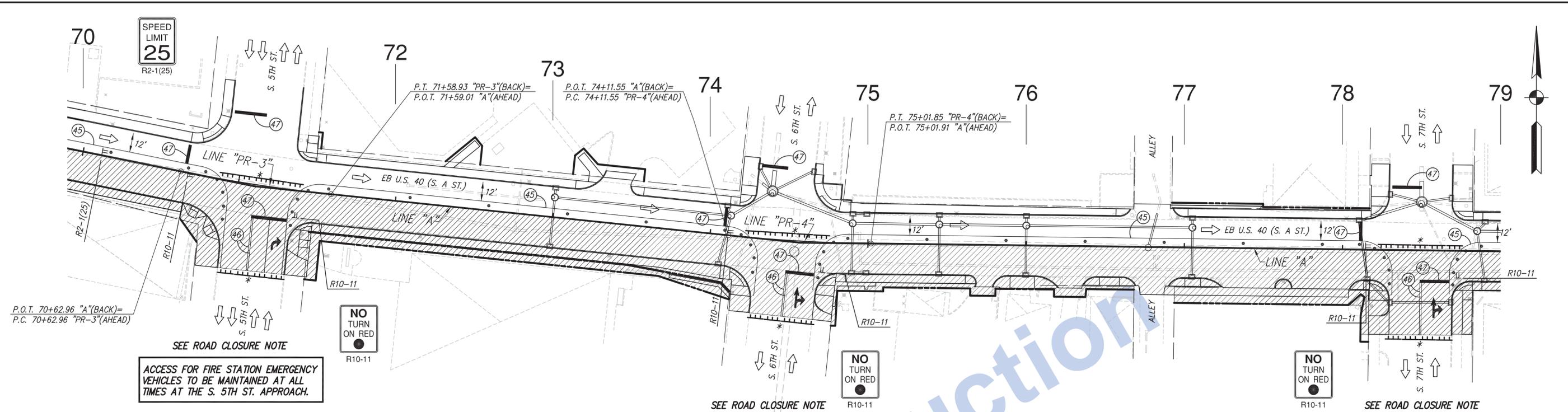
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
 Eastbound U.S. 40 (S. A St.)
 Maintenance of Traffic - Phase 2 - Stage 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	15 of 105
CONTRACT	PROJECT
R-30397	0013790

21:00 INDOT08-147 US 40 in Downtown Richmond Road Design Road Plan Sheets(04-MOT)NOT PHASE 2 STAGE 1.dwg, Plan Sheet 2, 8/24/2016 11:22:17 AM, 1:30



NOTES:

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SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

ROAD CLOSURE NOTE:

S. 5TH ST. S. 6TH ST. S. 7TH ST.
 TO BE CLOSED WHILE NEW APPROACH IS CONSTRUCTED. REOPEN TO TRAFFIC FOR THE REMAINDER OF PHASE 2. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY.

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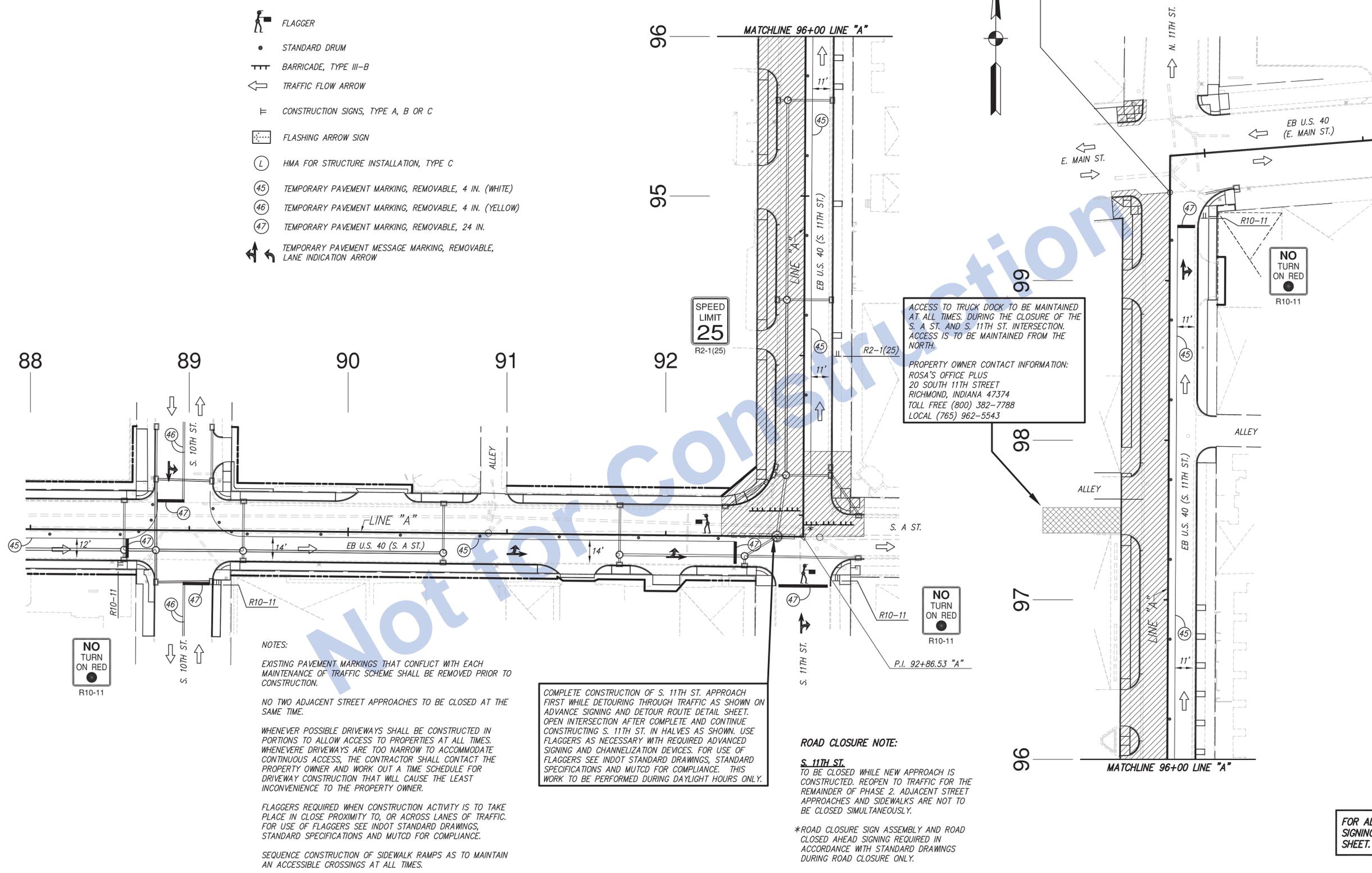
FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 2 - Stage 1	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.		SURVEY BOOK 17327	SHEETS 16 of 105
				CONTRACT R-30397	PROJECT 0013790

LEGEND

-  FLAGGER
-  STANDARD DRUM
-  BARRICADE, TYPE III-B
-  TRAFFIC FLOW ARROW
-  CONSTRUCTION SIGNS, TYPE A, B OR C
-  FLASHING ARROW SIGN
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-  TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"



ACCESS TO TRUCK DOCK TO BE MAINTAINED AT ALL TIMES. DURING THE CLOSURE OF THE S. A ST. AND S. 11TH ST. INTERSECTION, ACCESS IS TO BE MAINTAINED FROM THE NORTH.

PROPERTY OWNER CONTACT INFORMATION:
ROSA'S OFFICE PLUS
20 SOUTH 11TH STREET
RICHMOND, INDIANA 47374
TOLL FREE (800) 382-7788
LOCAL (765) 962-5543

NO TURN ON RED
R10-11

NO TURN ON RED
R10-11

NOTES:

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SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

COMPLETE CONSTRUCTION OF S. 11TH ST. APPROACH FIRST WHILE DETOURING THROUGH TRAFFIC AS SHOWN ON ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET. OPEN INTERSECTION AFTER COMPLETE AND CONTINUE CONSTRUCTING S. 11TH ST. IN HALVES AS SHOWN. USE FLAGGERS AS NECESSARY WITH REQUIRED ADVANCED SIGNING AND CHANNELIZATION DEVICES. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE. THIS WORK TO BE PERFORMED DURING DAYLIGHT HOURS ONLY.

ROAD CLOSURE NOTE:

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Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
DEPARTMENT OF TRANSPORTATION

Eastbound U.S. 40 (S. A St. and S. 11th St.)
Maintenance of Traffic - Phase 2 - Stage 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	17 of 105
CONTRACT	PROJECT
R-30397	0013790

BEGIN INCIDENTAL CONSTRUCTION
P.O.C. 56+31 "A"
(END OF BRIDGE APPROACH)

57

58

59

60

61

- LEGEND**
- FLAGGER
 - STANDARD DRUM
 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGNS, TYPE A, B OR C
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NOTES:

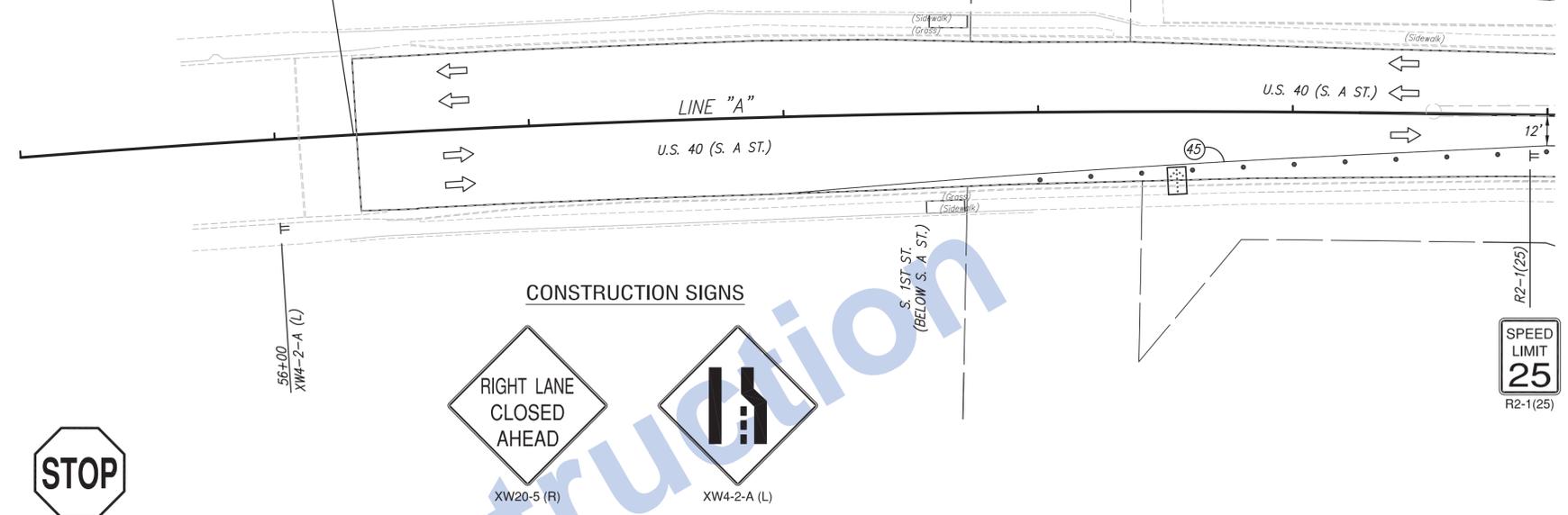
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SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.



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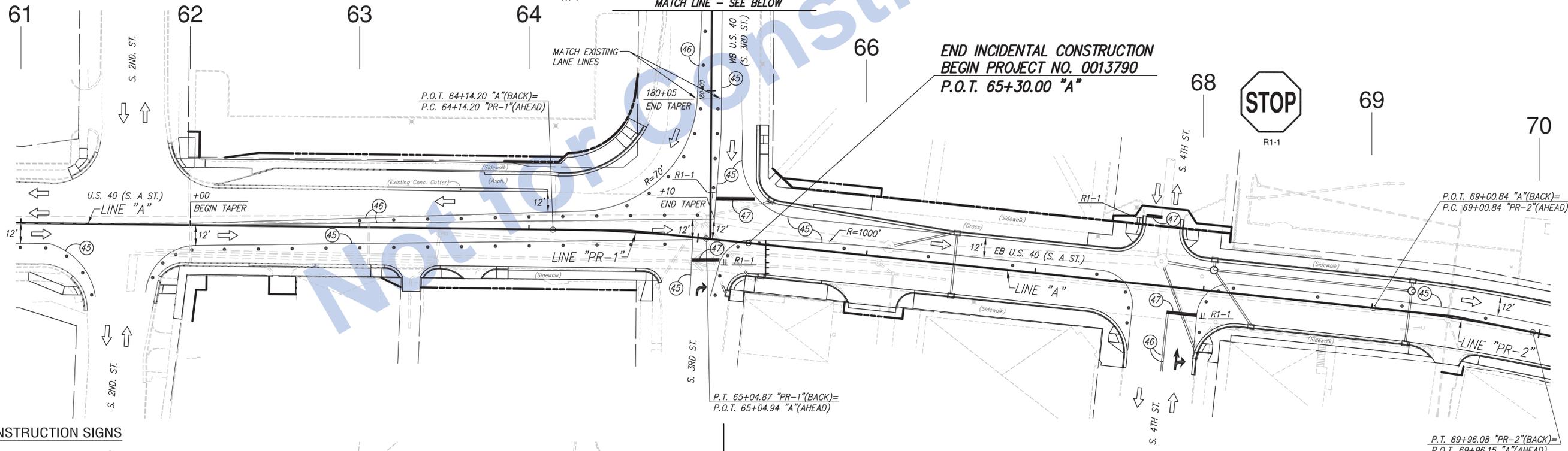
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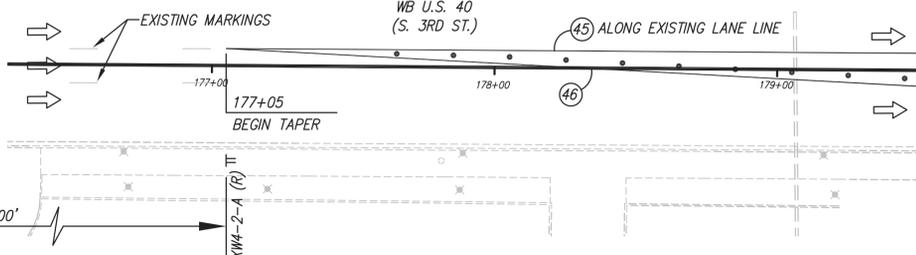
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69

70



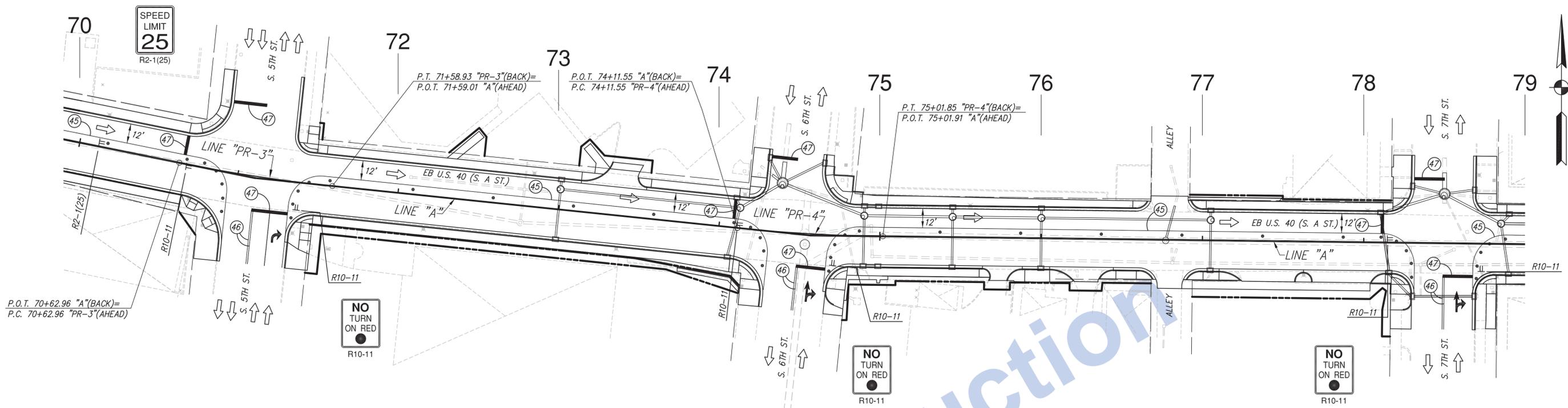
CONSTRUCTION SIGNS



FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.	Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 2 - Stage 2	SURVEY BOOK 17327	SHEETS 18 of 105
				CONTRACT R-30397	PROJECT 0013790

21:00 INDOT08-147 US 40 in Downtown Richmond Road Design Road Plan Sheets(04-MOT)NOT PHASE 2 STAGE 2.dwg, Plan Sheet 2, 8/24/2016 11:28:22 AM, 1:30



NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 2 - Stage 2	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.			VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.			SURVEY BOOK 17327	SHEETS 19 of 105
					CONTRACT R-30397	PROJECT 0013790

LEGEND

-  FLAGGER
-  STANDARD DRUM
-  BARRICADE, TYPE III-B
-  TRAFFIC FLOW ARROW
-  CONSTRUCTION SIGNS, TYPE A, B OR C
-  FLASHING ARROW SIGN
-  HMA FOR STRUCTURE INSTALLATION, TYPE C
-  45 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)
-  46 TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW)
-  47 TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.
-  TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

S. 10TH ST.
 TO BE CLOSED WHILE NEW APPROACH IS CONSTRUCTED. REOPEN TO TRAFFIC FOR THE REMAINDER OF PHASE 2. ADJACENT STREET APPROACHES AND SIDEWALKS ARE NOT TO BE CLOSED SIMULTANEOUSLY.

*ROAD CLOSURE SIGN ASSEMBLY AND ROAD CLOSED AHEAD SIGNING REQUIRED IN ACCORDANCE WITH STANDARD DRAWINGS DURING ROAD CLOSURE ONLY.

NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

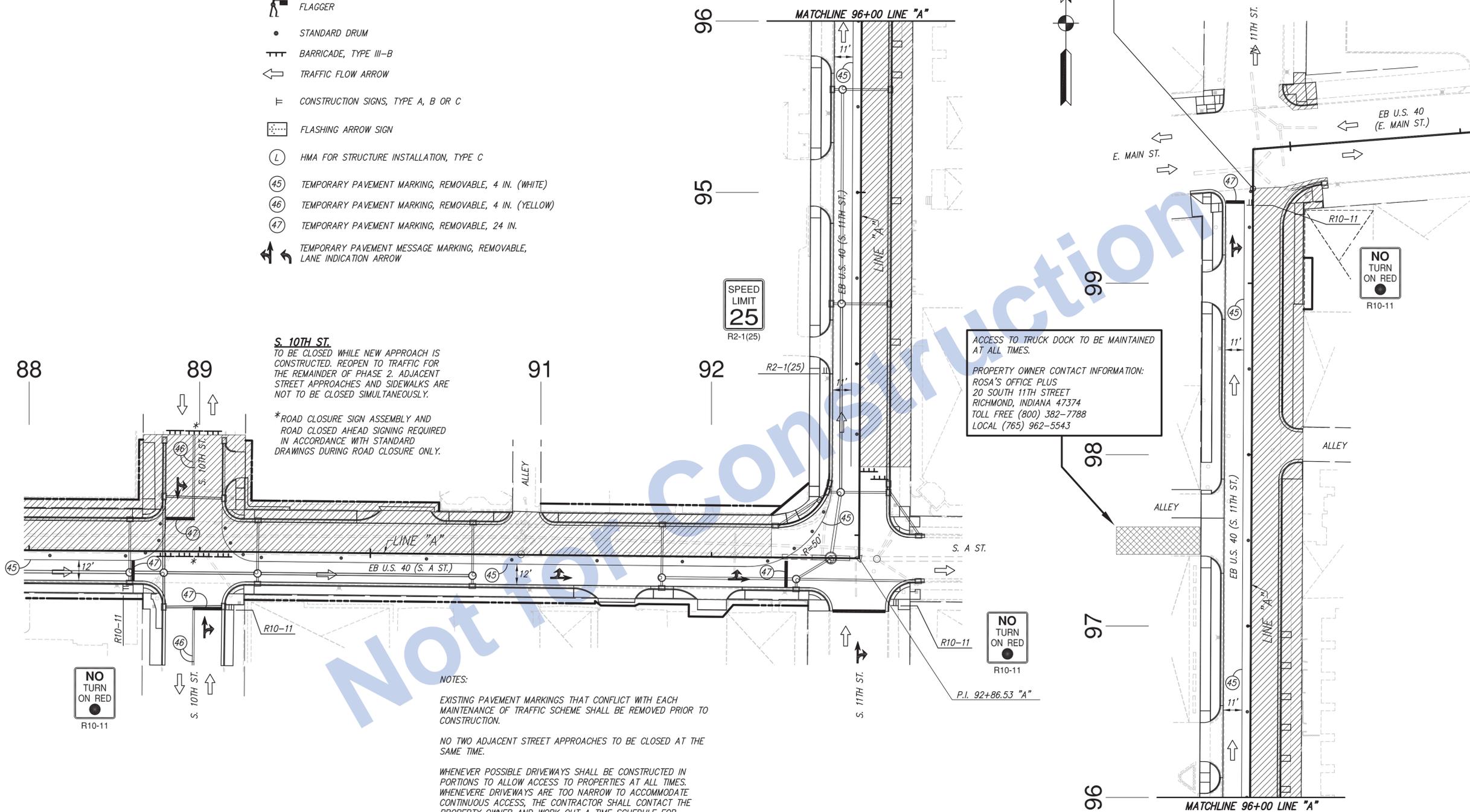
NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

END PROJECT NO. 0013790
 P.O.T. 99+55.22 "A"



ACCESS TO TRUCK DOCK TO BE MAINTAINED AT ALL TIMES.
 PROPERTY OWNER CONTACT INFORMATION:
 ROSA'S OFFICE PLUS
 20 SOUTH 11TH STREET
 RICHMOND, INDIANA 47374
 TOLL FREE (800) 382-7788
 LOCAL (765) 962-5543

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

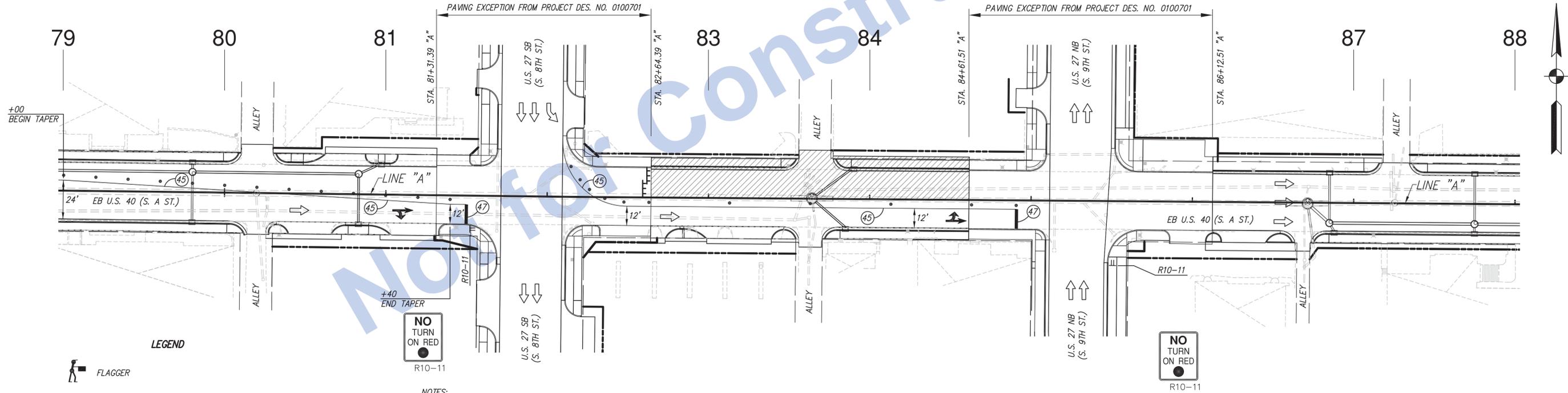
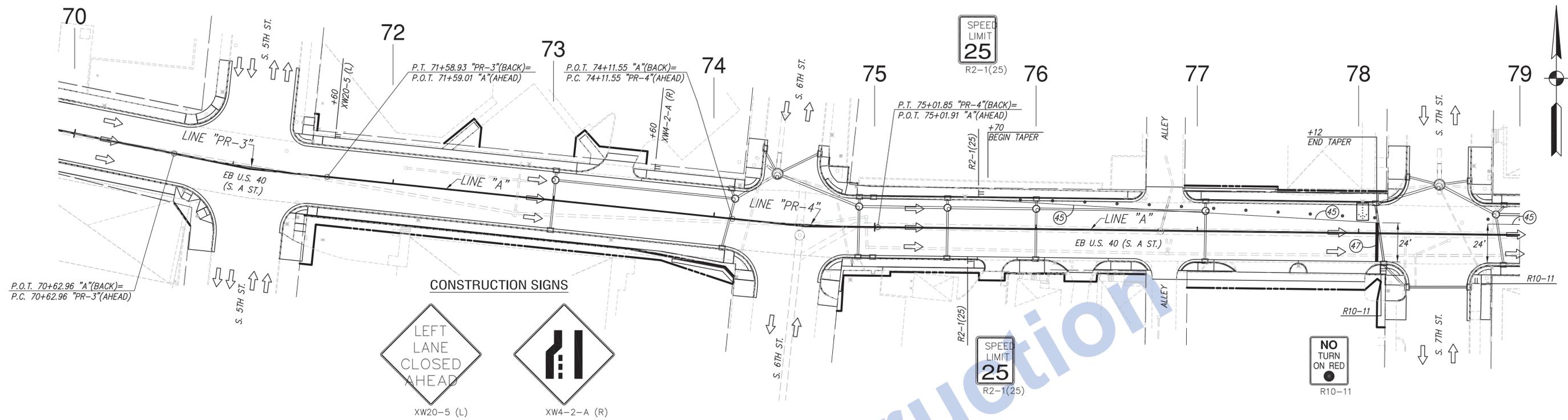
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
 Eastbound U.S. 40 (S. A St. and S. 11th St.)
 Maintenance of Traffic - Phase 2 - Stage 2

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	20 of 105
CONTRACT	PROJECT
R-30397	0013790

21:00 INDOT08-147 US 40 In Downtown Richmond Road Design/Road Plan Sheets(04-MOT)WOT PHASE 3 STAGE 3 STAGE 1.dwg, Plan Sheet 2, 8/24/2016 11:31:09 AM, 1:30



- LEGEND**
- FLAGGER
 - STANDARD DRUM
 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGNS, TYPE A, B OR C
 - FLASHING ARROW SIGN
 - HMA FOR STRUCTURE INSTALLATION, TYPE C
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW)
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.
 - TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

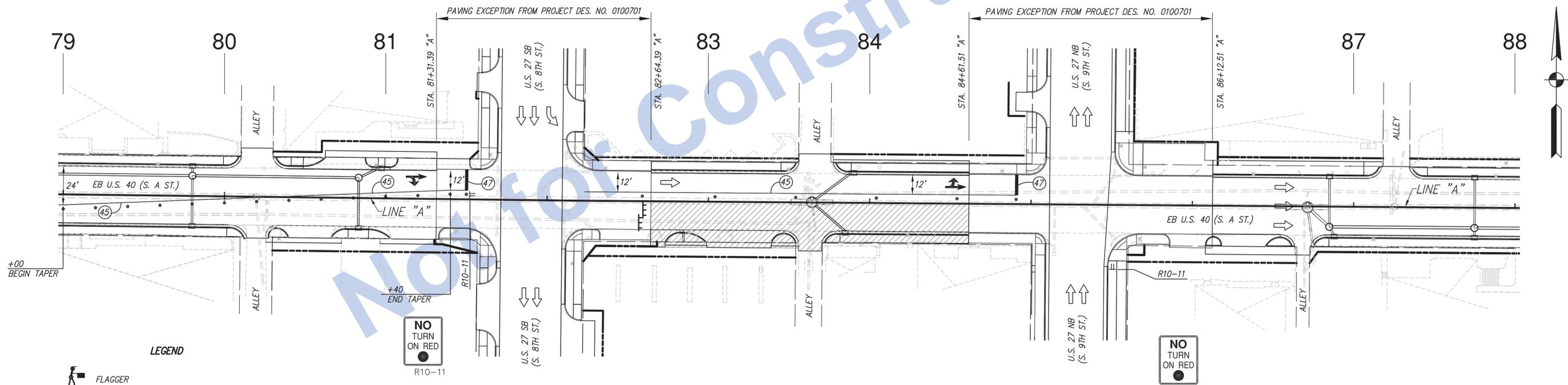
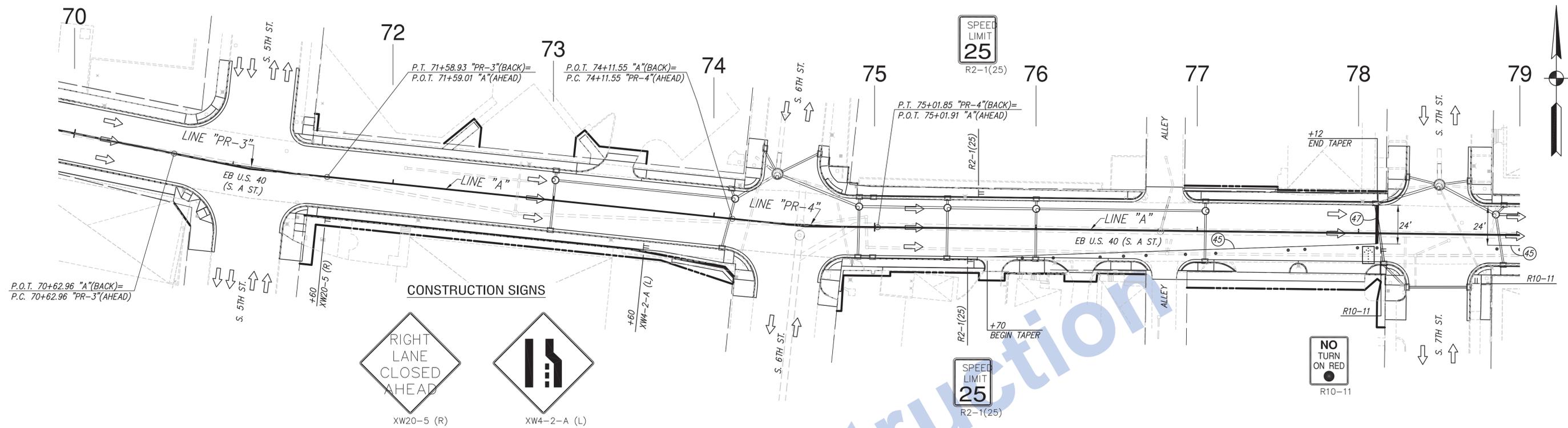
WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

FLAGGERS REQUIRED WHEN CONSTRUCTION ACTIVITY IS TO TAKE PLACE IN CLOSE PROXIMITY TO, OR ACROSS LANES OF TRAFFIC. FOR USE OF FLAGGERS SEE INDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND MUTCD FOR COMPLIANCE.

SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 3 - Stage 1	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.			VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.			SURVEY BOOK 17327	SHEETS 21 of 105
					CONTRACT R-30397	PROJECT 0013790



- LEGEND**
- FLAGGER
 - STANDARD DRUM
 - BARRICADE, TYPE III-B
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGNS, TYPE A, B OR C
 - FLASHING ARROW SIGN
 - HMA FOR STRUCTURE INSTALLATION, TYPE C
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW)
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN.
 - TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW

NOTES:

EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH EACH MAINTENANCE OF TRAFFIC SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION.

NO TWO ADJACENT STREET APPROACHES TO BE CLOSED AT THE SAME TIME.

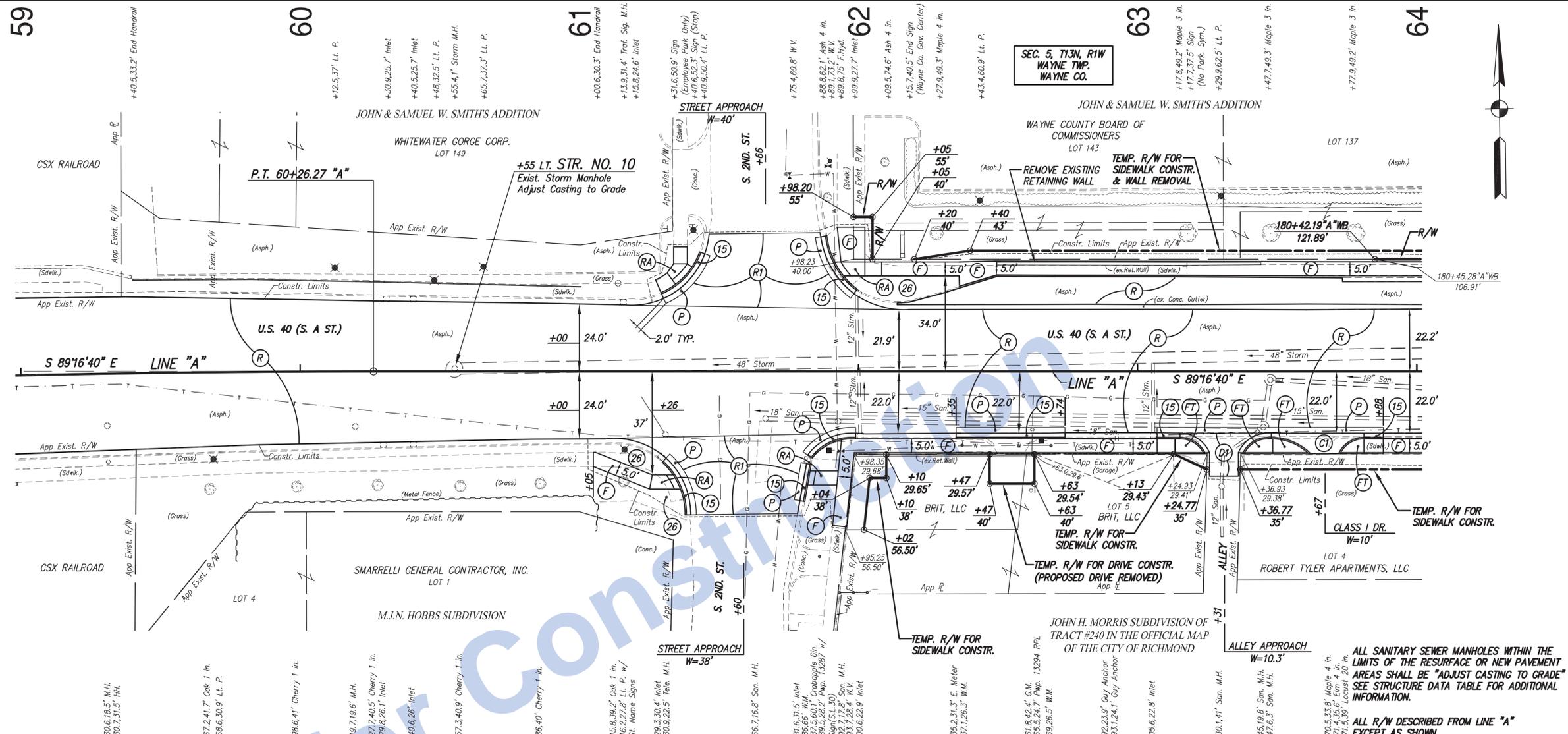
WHENEVER POSSIBLE DRIVEWAYS SHALL BE CONSTRUCTED IN PORTIONS TO ALLOW ACCESS TO PROPERTIES AT ALL TIMES. WHENEVER DRIVEWAYS ARE TOO NARROW TO ACCOMMODATE CONTINUOUS ACCESS, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER AND WORK OUT A TIME SCHEDULE FOR DRIVEWAY CONSTRUCTION THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

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SEQUENCE CONSTRUCTION OF SIDEWALK RAMPS AS TO MAINTAIN AN ACCESSIBLE CROSSINGS AT ALL TIMES.

FOR ADVANCE SIGNING, SEE ADVANCE SIGNING AND DETOUR ROUTE DETAIL SHEET.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION Eastbound U.S. 40 (S. A St.) Maintenance of Traffic - Phase 3 - Stage 2	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.		SURVEY BOOK 17327	SHEETS 22 of 105
				CONTRACT R-30397	PROJECT 0013790



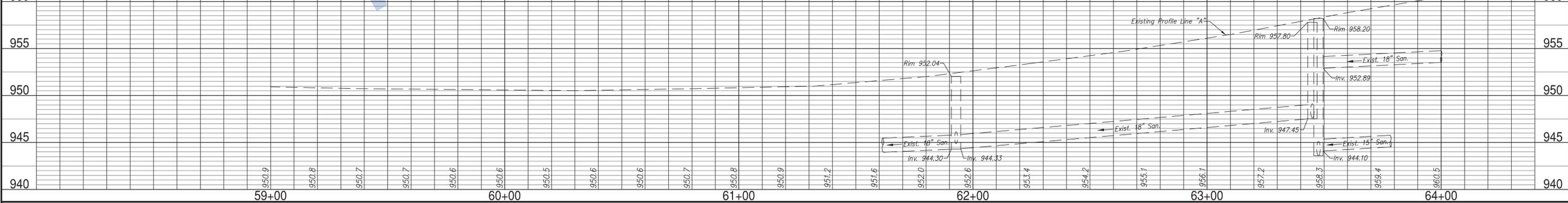
- LEGEND**
- (A) 9.5" PLAIN JOINTED QC/OA PRECAST PCCP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IC
 - (D) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 385#/SYD. HMA INTERMEDIATE, TYPE B ON SUBGRADE TREATMENT TYPE II
 - (D1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE C ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 330#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE IC
 - (C1) PCCP FOR APPROACHES, 6", ON SUBGRADE TREATMENT TYPE II
 - (C2) PCCP FOR APPROACHES, 9", ON SUBGRADE TREATMENT TYPE II
 - (F) SIDEWALK, CONCRETE, 4"
 - (FT) SIDEWALK ELEVATION TRANSITION
 - (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
 - (R) 1-1/2" ASPHALT MILLING WITH 165#/SYD. OC/OA-HMA, 3, 70, SURFACE 9.5 mm
 - (R1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 1-1/2" ASPHALT MILLING
 - (RA) CONCRETE CURB RAMP
 - (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
 - (16) CONCRETE CURB
 - (26) SODDING (NURSERY) ON 4" OF TOPSOIL (ALSO SEE TYPICAL SECTIONS FOR PLACEMENT)

The North American Vertical Datum of 1988 (NAVD 88) was established from INDOT Project Des. No. 0100701 U.S. Highway 27.

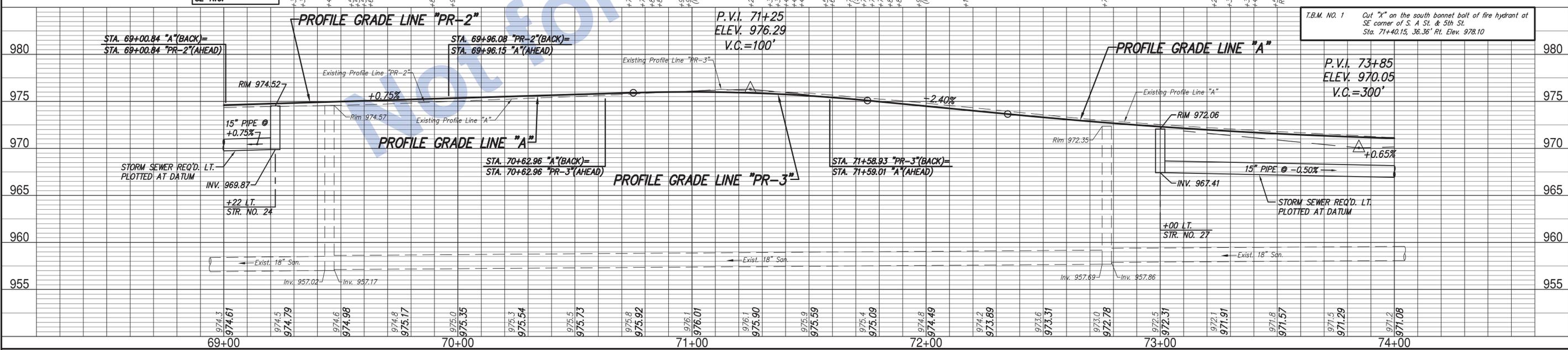
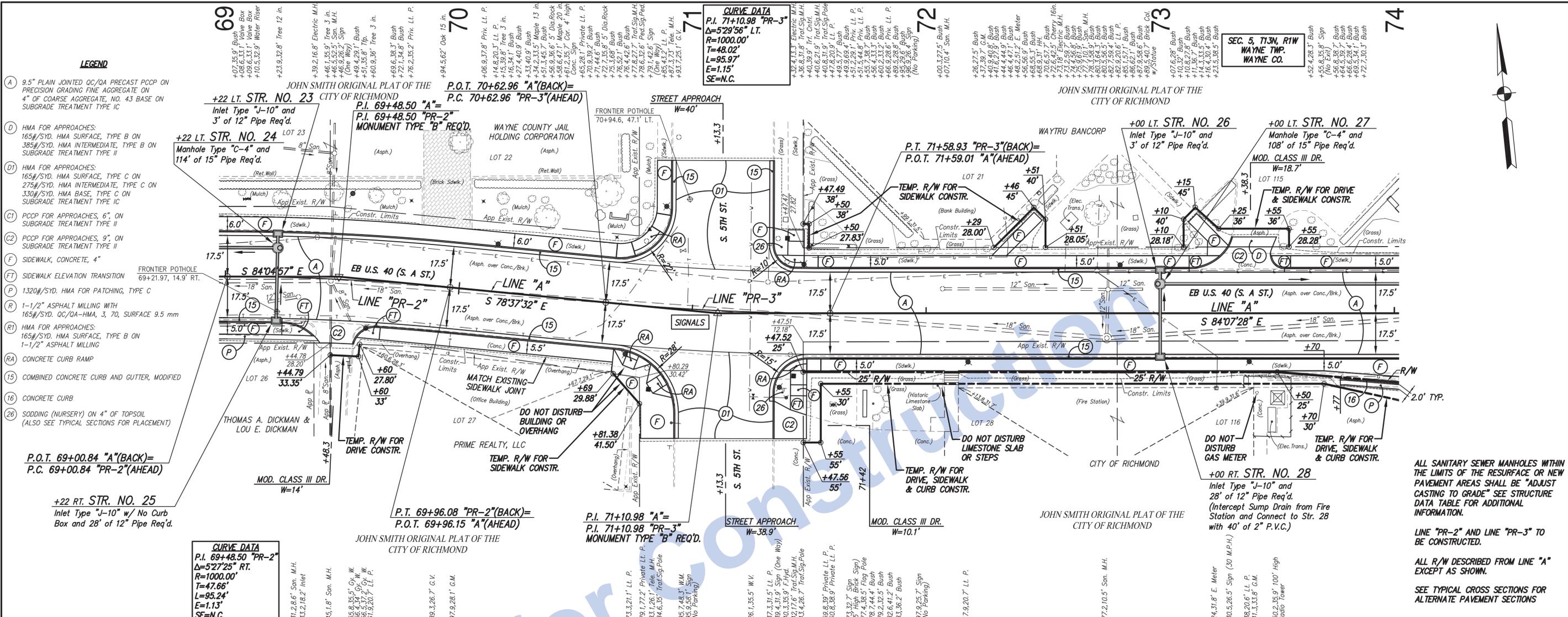
T.B.M. NO. 18 Cut "X" on the east bonnet bolt of fire hydrant at the NW corner of S. A St. & E. 9th St. Existing TBM from INDOT Des No. 0100701 U.S. 27 Sta. 85+06.56, 39.00' Lt. NAVD 88 Elev. 978.824

T.B.M. NO. 19 Cut "X" on the west bonnet bolt of fire hydrant on the west side of E. 9th St., approx. 150 feet south of the centerline of N. A St. Existing TBM from INDOT Des No. 0100701 U.S. 27 Sta. 151+37.28, 157.33' Lt. NAVD 88 Elev. 981.127

T.B.M. NO. 13 Cut "X" on the south bonnet bolt of fire hydrant at NE corner of S. A St. & 3rd St. Sta. 180+44.36, 36.23' Lt. Elev. 967.75



<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: J.P.H. DRAWN: J.P.H.</p> <p>CHECKED: J.L.B. CHECKED: J.L.B.</p>	<p>DESIGN ENGINEER DATE</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>LINE "A" - U.S. 40 (S. A ST.)</p> <p>PLAN AND PROFILE SHEET 2</p>	<p>HORIZONTAL SCALE 1" = 20'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK 17327</p> <p>CONTRACT R-30397</p>	<p>BRIDGE FILE N/A</p> <p>DESIGNATION 0013790</p> <p>SHEETS 24 of 105</p> <p>PROJECT 0013790</p>
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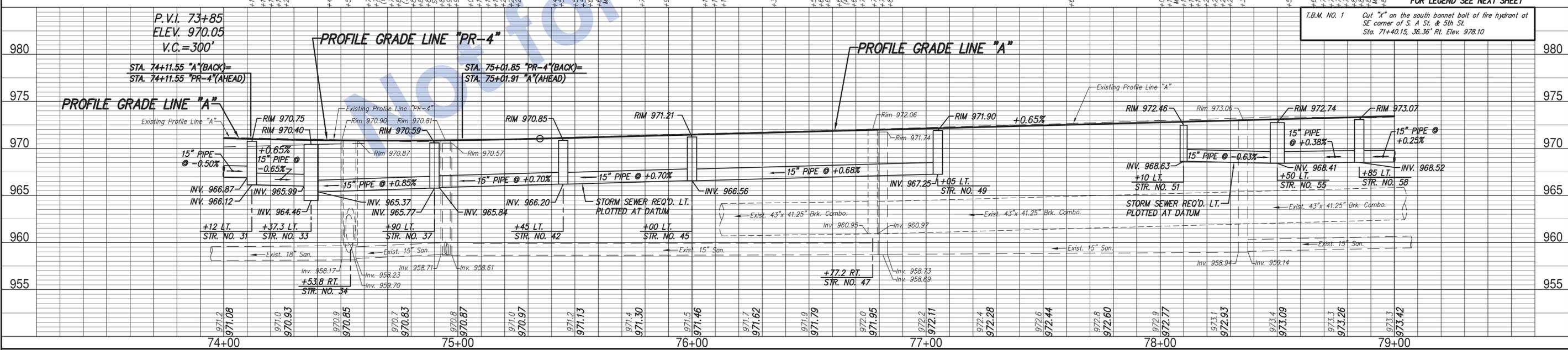
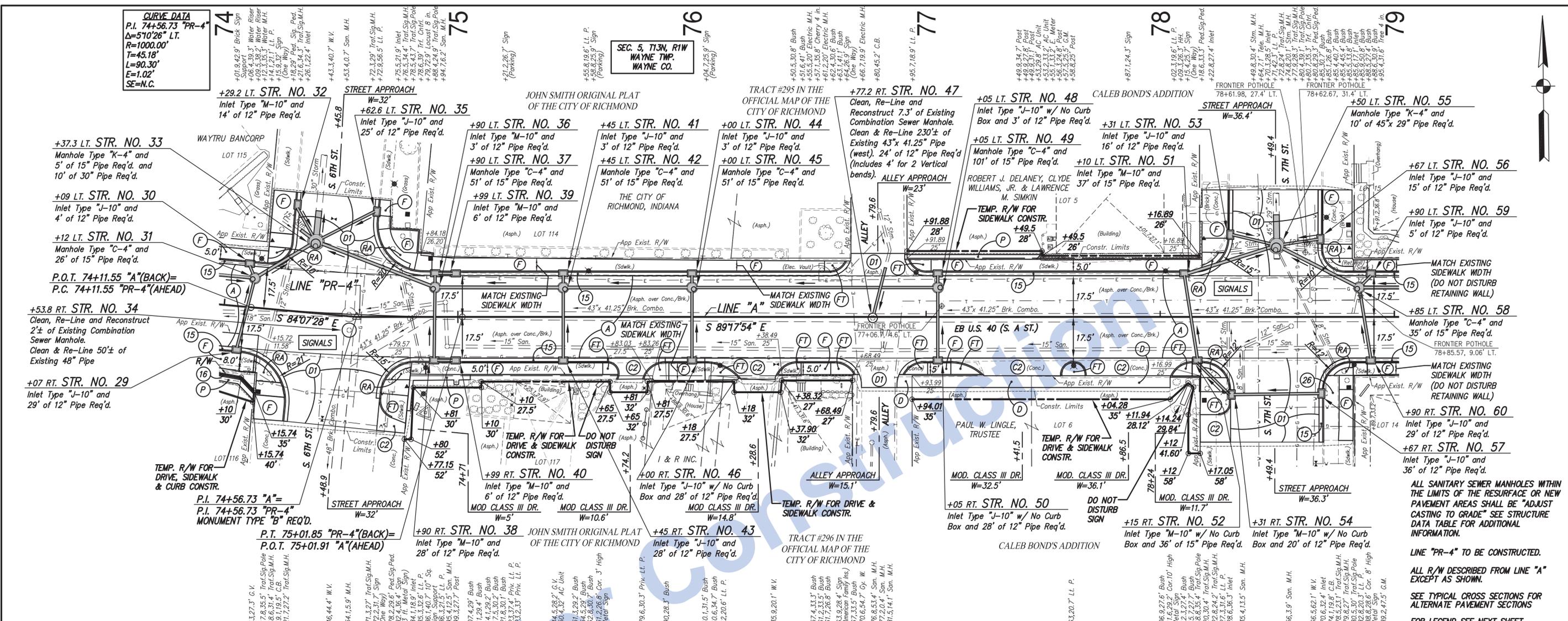


<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>LINE "A" - EASTBOUND U.S. 40 (S. A ST.) PLAN AND PROFILE SHEET 4</p>		<p>HORIZONTAL SCALE 1" = 20'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK CONTRACT R-30397</p>		<p>BRIDGE FILE N/A</p> <p>DESIGNATION 0013790</p> <p>SHEETS 26 of 105</p> <p>PROJECT 0013790</p>	
<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGN ENGINEER DATE</p>		<p>DESIGNED: J.P.H.</p> <p>CHECKED: J.L.B.</p>		<p>DRAWN: J.P.H.</p> <p>CHECKED: J.L.B.</p>	
<p>STAGE 3 PLANS</p> <p>N 56005.6155 E 48424.0885 (U.S. 40)</p> <p>N 55973.5695 E 48583.3865 (U.S. 40)</p>		<p>S. FACE OF "ONE WAY" SIGN (MAG NAIL SET)</p> <p>SW COR. CONC. TRAF. CONTR. BASE (MAG NAIL SET)</p>		<p>CUT "X" ON CURB AT MID RADIUS (100 S. 5TH ST.)</p> <p>CUT "X" ON NE BOLT (100 S. 5TH ST.)</p>	

21:00 INDOY08-147 US 40 In Downtown Richmond Road Design Road Plan Sheets/05 Plan and Profiles/RECAST S.A ST Plan and Profiles - Copy.dwg, PP. 4, 8/24/2016 11:50:04 AM, 120

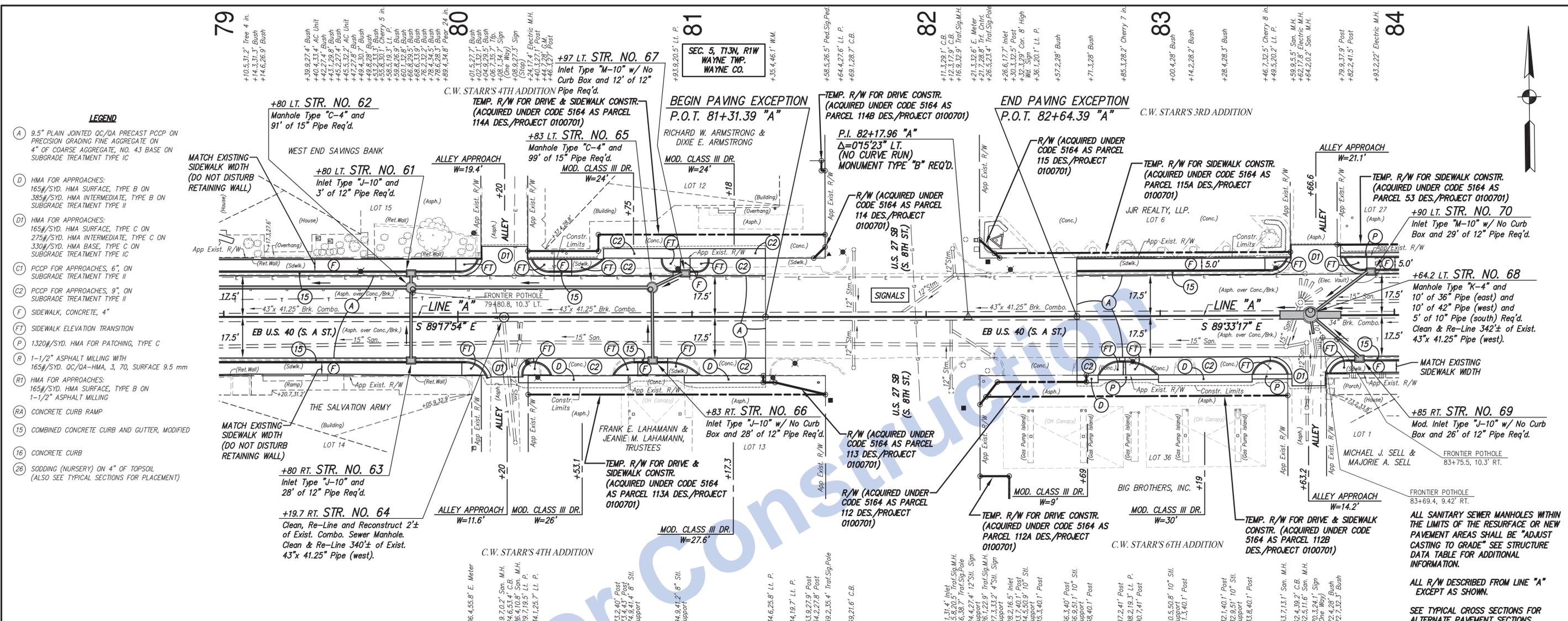
CURVE DATA
 P.I. 74+56.73 "PR-4"
 $\Delta=570'26"$ LT.
 $R=1000.00'$
 $T=45.18'$
 $L=90.30'$
 $E=1.02'$
 $SE=N.C.$

**SEC. 5, T13N, R1W
 WAYNE TWP.
 WAYNE CO.**

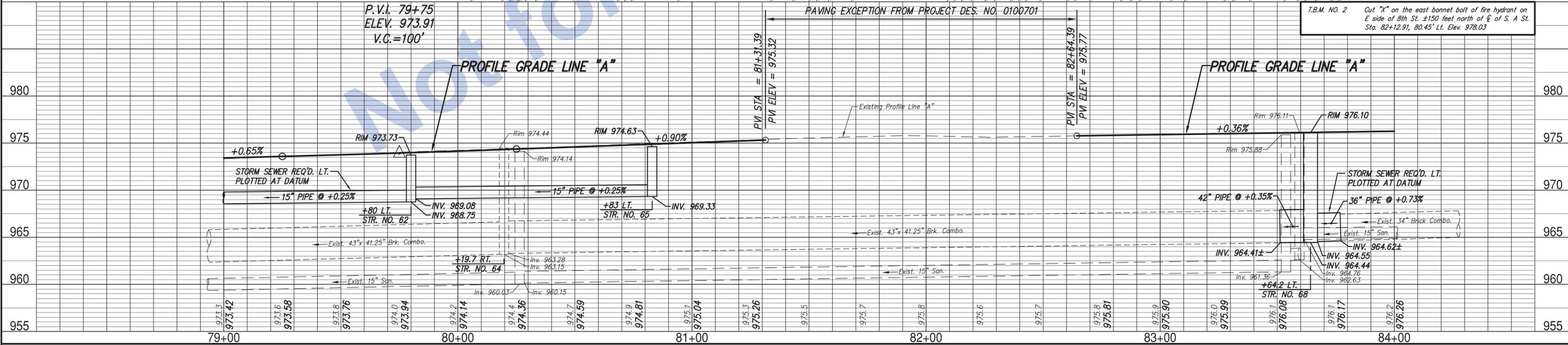


T.B.M. NO. 1
 Cut "X" on the south bonnet bolt of fire hydrant at
 SE corner of S. A St. & 5th St.
 Sta. 71+40.15, 36.36' Rt. Elev. 978.10

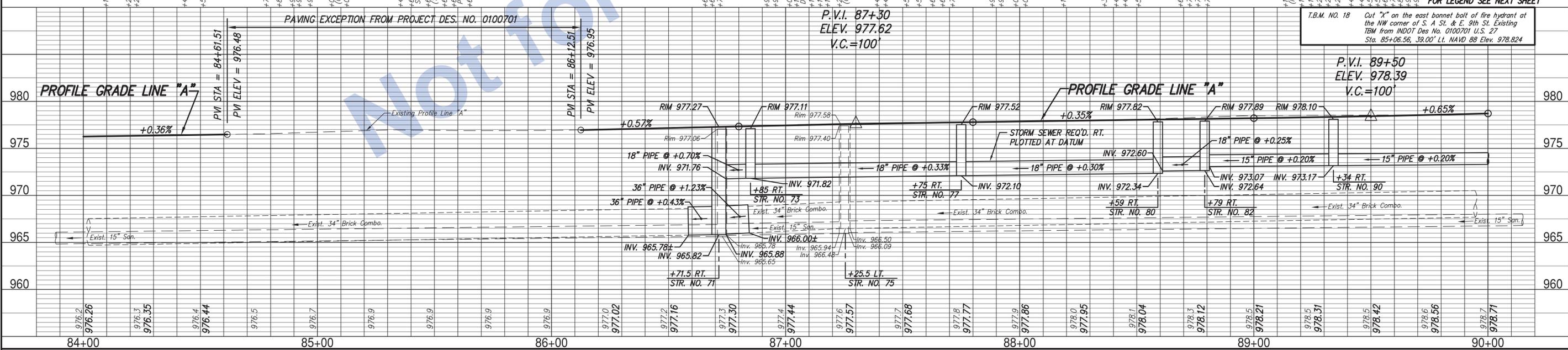
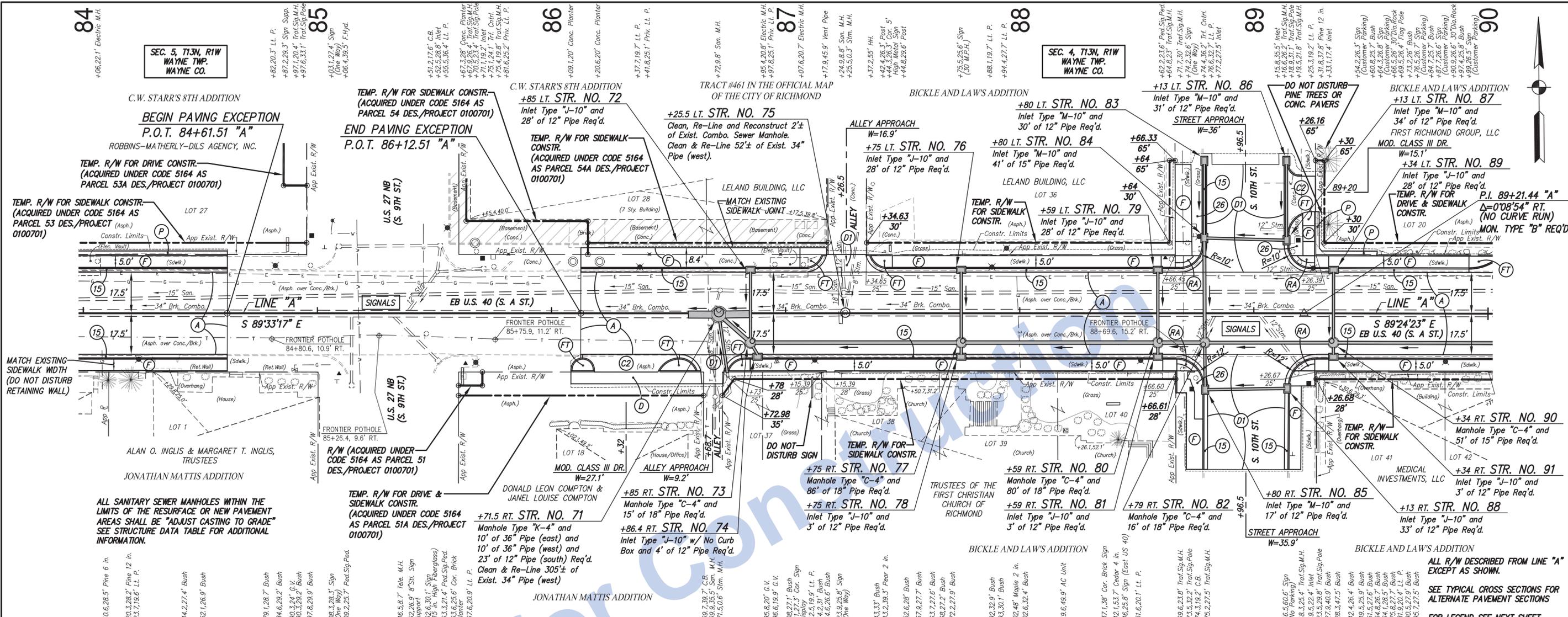
<p>Stage 3 Plans</p> <p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: J.P.H. DRAWN: J.P.H.</p> <p>CHECKED: J.L.B. CHECKED: J.L.B.</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>LINE "A" - EASTBOUND U.S. 40 (S. A ST.) PLAN AND PROFILE SHEET 5</p>	<p>HORIZONTAL SCALE 1" = 20'</p>	<p>BRIDGE FILE N/A</p>
		<p>VERTICAL SCALE 1" = 5'</p>	<p>DESIGNATION 0013790</p>
		<p>SURVEY BOOK 17327</p>	<p>SHEETS 27 of 105</p>
		<p>CONTRACT R-30397</p>	<p>PROJECT 0013790</p>



- LEGEND**
- (A) 9.5" PLAIN JOINTED OC/QA PRECAST PCPP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IC
 - (D) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 385#/SYD. HMA INTERMEDIATE, TYPE B ON SUBGRADE TREATMENT TYPE II
 - (D1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE C ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 330#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE IC
 - (C1) PCPP FOR APPROACHES, 6" ON SUBGRADE TREATMENT TYPE II
 - (C2) PCPP FOR APPROACHES, 9" ON SUBGRADE TREATMENT TYPE II
 - (F) SIDEWALK, CONCRETE, 4"
 - (FT) SIDEWALK ELEVATION TRANSITION
 - (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
 - (R) 1-1/2" ASPHALT MILLING WITH 165#/SYD. OC/QA-HMA, 3, 70, SURFACE 9.5 mm
 - (RT) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 1-1/2" ASPHALT MILLING
 - (RA) CONCRETE CURB RAMP
 - (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
 - (16) CONCRETE CURB
 - (26) SODDING (NURSERY) ON 4" OF TOPSOIL (ALSO SEE TYPICAL SECTIONS FOR PLACEMENT)



	<p>Stage 3 Plans</p> <p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: J.P.H. DRAWN: J.P.H.</p> <p>CHECKED: J.L.B. CHECKED: J.L.B.</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>LINE "A" - EASTBOUND U.S. 40 (S. A ST.) PLAN AND PROFILE SHEET 6</p>
<p>INDOT 08-147 US 40 In Downtown Richmond Road Design/Road Plan Sheets/05 Plan and Profiles/PRECAST S.A.ST. Plan and Profiles - Copy.dwg, PP 6, 8/24/2016 11:51:00 AM, 120</p>	<p>DESIGN ENGINEER DATE</p>	<p>HORIZONTAL SCALE BRIDGE FILE</p> <p>1" = 20' N/A</p> <p>VERTICAL SCALE DESIGNATION</p> <p>1" = 5' 0013790</p> <p>SURVEY BOOK SHEETS</p> <p>17327 28 of 105</p> <p>CONTRACT PROJECT</p> <p>R-30397 0013790</p>



RECOMMENDED FOR APPROVAL

DESIGNED: J.P.H. DRAWN: J.P.H.

CHECKED: J.L.B. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "A" - EASTBOUND U.S. 40 (S. A. ST.)

PLAN AND PROFILE SHEET 7

HORIZONTAL SCALE
1" = 20'

VERTICAL SCALE
1" = 5'

SURVEY BOOK
17327

CONTRACT
R-30397

BRIDGE FILE
N/A

DESIGNATION
0013790

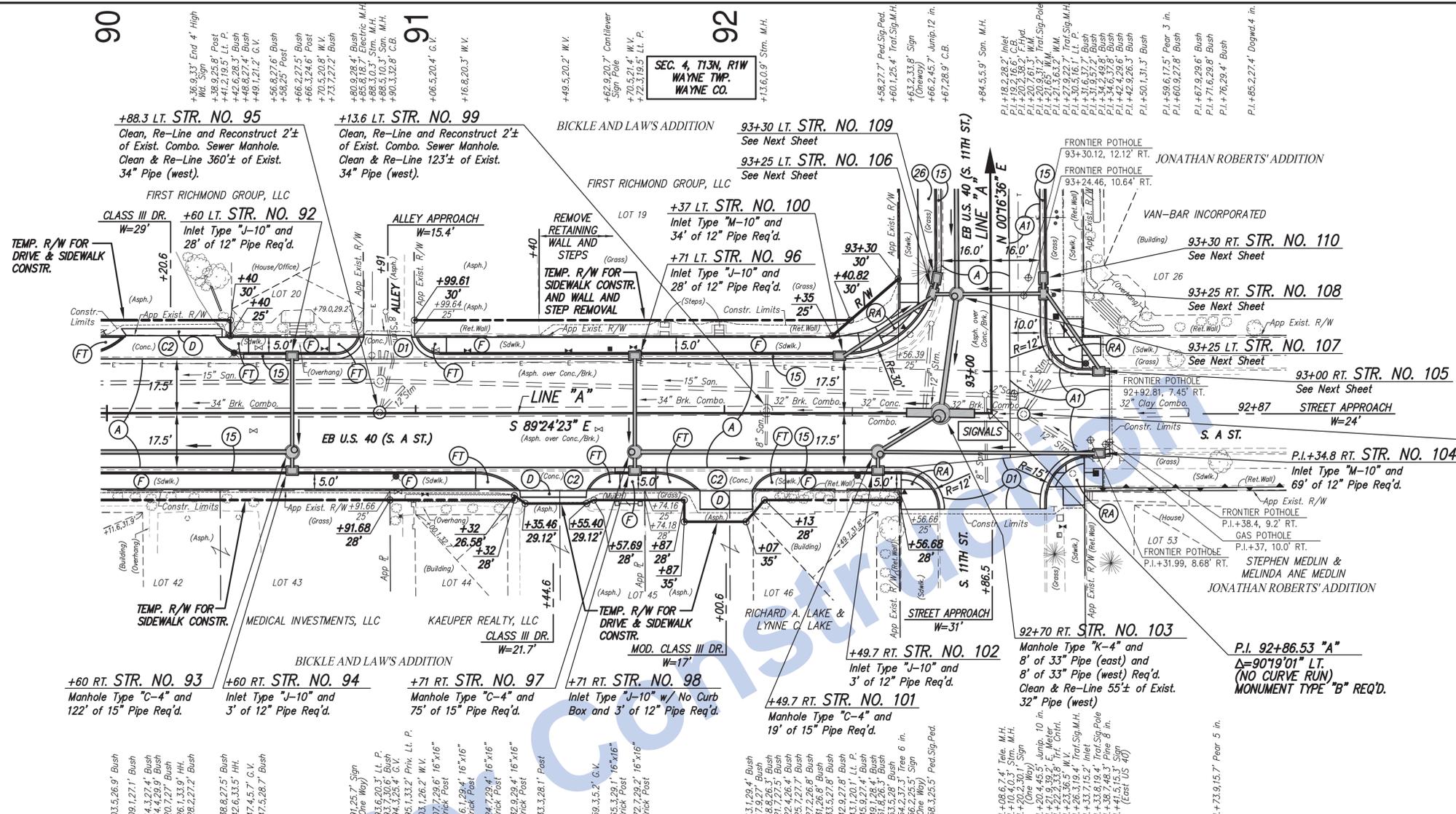
SHEETS
29 of 105

PROJECT
0013790

21:00 INDOY08-147 US 40 In Downtown Richmond Road Design/Road Plan Sheets/05 Plan and Profiles/PRECAST S.A. ST Plan and Profiles - Copy.dwg, PP 7, 8/24/2016 11:51:31 AM, 120

LEGEND

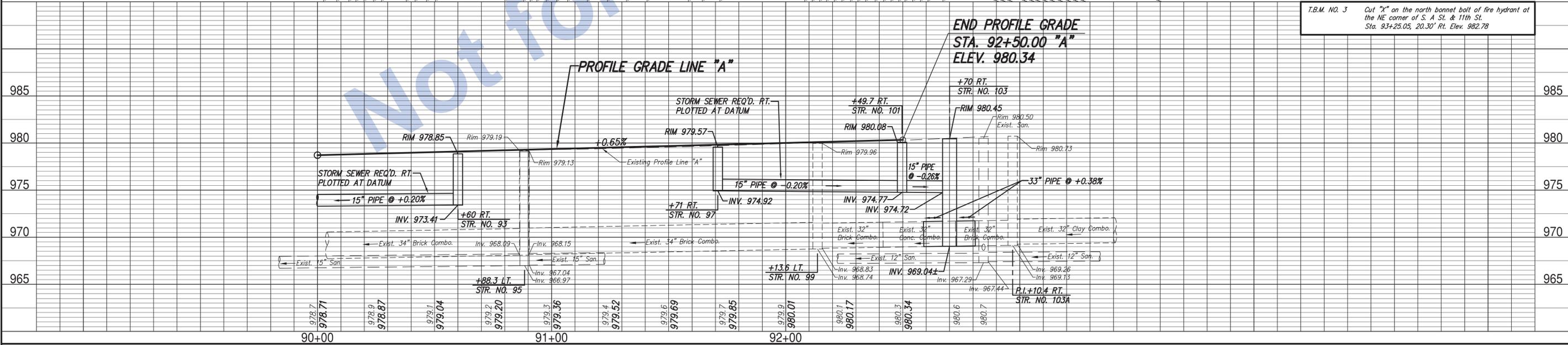
- (A) 9.5" PLAIN JOINTED OC/OA PRECAST PCCP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IC
- (A1) 9.5" PLAIN JOINTED OC/OA PRECAST PCCP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IVA
- (D) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 385#/SYD. HMA INTERMEDIATE, TYPE B ON SUBGRADE TREATMENT TYPE II
- (D1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE C ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 330#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE IC
- (C1) PCCP FOR APPROACHES, 6", ON SUBGRADE TREATMENT TYPE II
- (C2) PCCP FOR APPROACHES, 9", ON SUBGRADE TREATMENT TYPE II
- (F) SIDEWALK, CONCRETE, 4"
- (FT) SIDEWALK ELEVATION TRANSITION
- (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
- (R) 1-1/2" ASPHALT MILLING WITH 165#/SYD. OC/OA-HMA, 3, 70, SURFACE 9.5 mm
- (R1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 1-1/2" ASPHALT MILLING
- (RA) CONCRETE CURB RAMP
- (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
- (16) CONCRETE CURB
- (26) SODDING (NURSERY) ON 4" OF TOPSOIL (ALSO SEE TYPICAL SECTIONS FOR PLACEMENT)



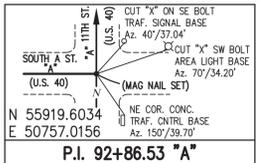
ALL SANITARY SEWER MANHOLES WITHIN THE LIMITS OF THE RESURFACE OR NEW PAVEMENT AREAS SHALL BE "ADJUST CASTING TO GRADE" SEE STRUCTURE DATA TABLE FOR ADDITIONAL INFORMATION.

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.

SEE TYPICAL CROSS SECTIONS FOR ALTERNATE PAVEMENT SECTIONS



T.B.M. NO. 3 Cut "X" on the north bonnet bolt of fire hydrant at the NE corner of S. A St. & 11th St. Sta. 93+25.05, 20.30' Rt. Elev. 982.78



Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

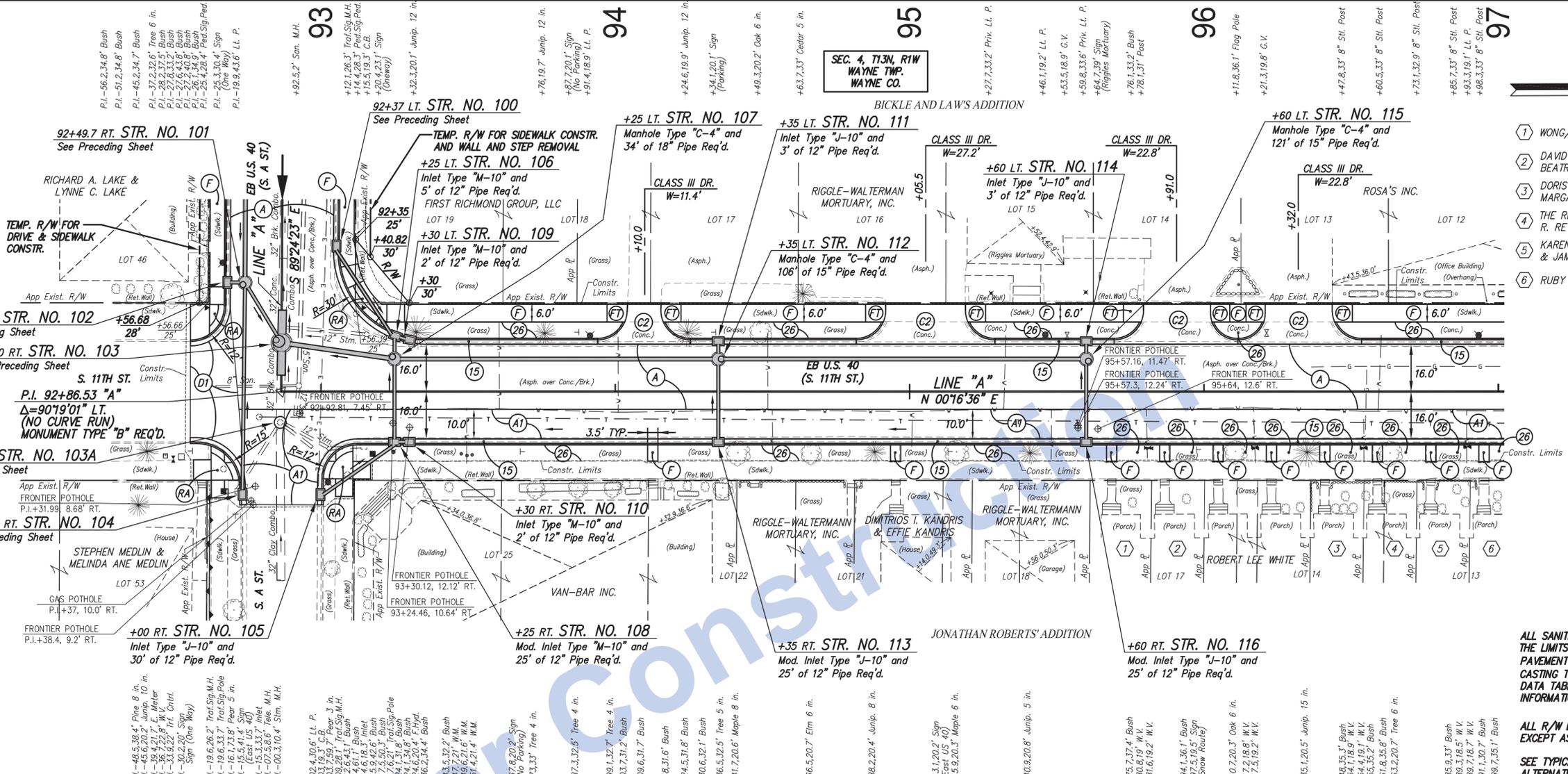
INDIANA DEPARTMENT OF TRANSPORTATION

LINE "A" - EASTBOUND U.S. 40 (S. A ST.) PLAN AND PROFILE SHEET 8

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	30 of 105
CONTRACT	PROJECT
R-30397	0013790

LEGEND

- (A) 9.5" PLAIN JOINTED QC/QA PRECAST PCOP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IV
- (A1) 9.5" PLAIN JOINTED QC/QA PRECAST PCOP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IV
- (D) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 385#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE II
- (D1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE C ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 330#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE IC
- (C1) PCOP FOR APPROACHES, 6", ON SUBGRADE TREATMENT TYPE II
- (C2) PCOP FOR APPROACHES, 9", ON SUBGRADE TREATMENT TYPE II
- (F) SIDEWALK, CONCRETE, 4"
- (FT) SIDEWALK ELEVATION TRANSITION
- (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
- (R) 1-1/2" ASPHALT MILLING WITH 165#/SYD. QC/QA-HMA, 3, 70, SURFACE 9.5 mm
- (RT) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 1-1/2" ASPHALT MILLING
- (RA) CONCRETE CURB RAMP
- (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
- (16) CONCRETE CURB
- (26) SODDING (NURSERY) ON 4" OF TOPSOIL (ALSO SEE TYPICAL SECTIONS FOR PLACEMENT)



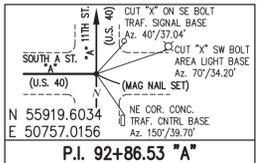
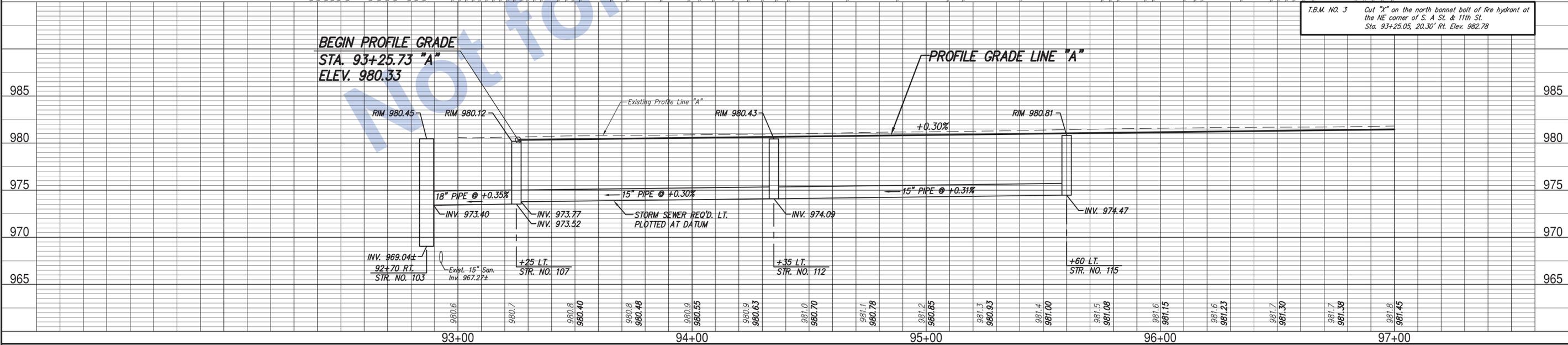
- ① WONG/RUNNELS PROPERTIES, LLC
- ② DAVID J. BRUNTON & BEATRICE M. BRUNTON
- ③ DORIS E. WAGNER & MARGARET M. SHESLER
- ④ THE RICHARD E. REYNOLDS & JOAN R. REYNOLDS REVOCABLE TRUST
- ⑤ KAREN ELAINE DECOURCY & JAMES TERRIL BRUNTON
- ⑥ RUBY B. GREENE

ALL SANITARY SEWER MANHOLES WITHIN THE LIMITS OF THE RESURFACE OR NEW PAVEMENT AREAS SHALL BE "ADJUST CASTING TO GRADE" SEE STRUCTURE DATA TABLE FOR ADDITIONAL INFORMATION.

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.

SEE TYPICAL CROSS SECTIONS FOR ALTERNATE PAVEMENT SECTIONS

T.B.M. NO. 3
Cut "X" on the north bonnet bolt of fire hydrant at the NE corner of S. A St. & 11th St. Sta. 93+25.05, 20.30' Rt. Elev. 982.78



Stage 3 Plans

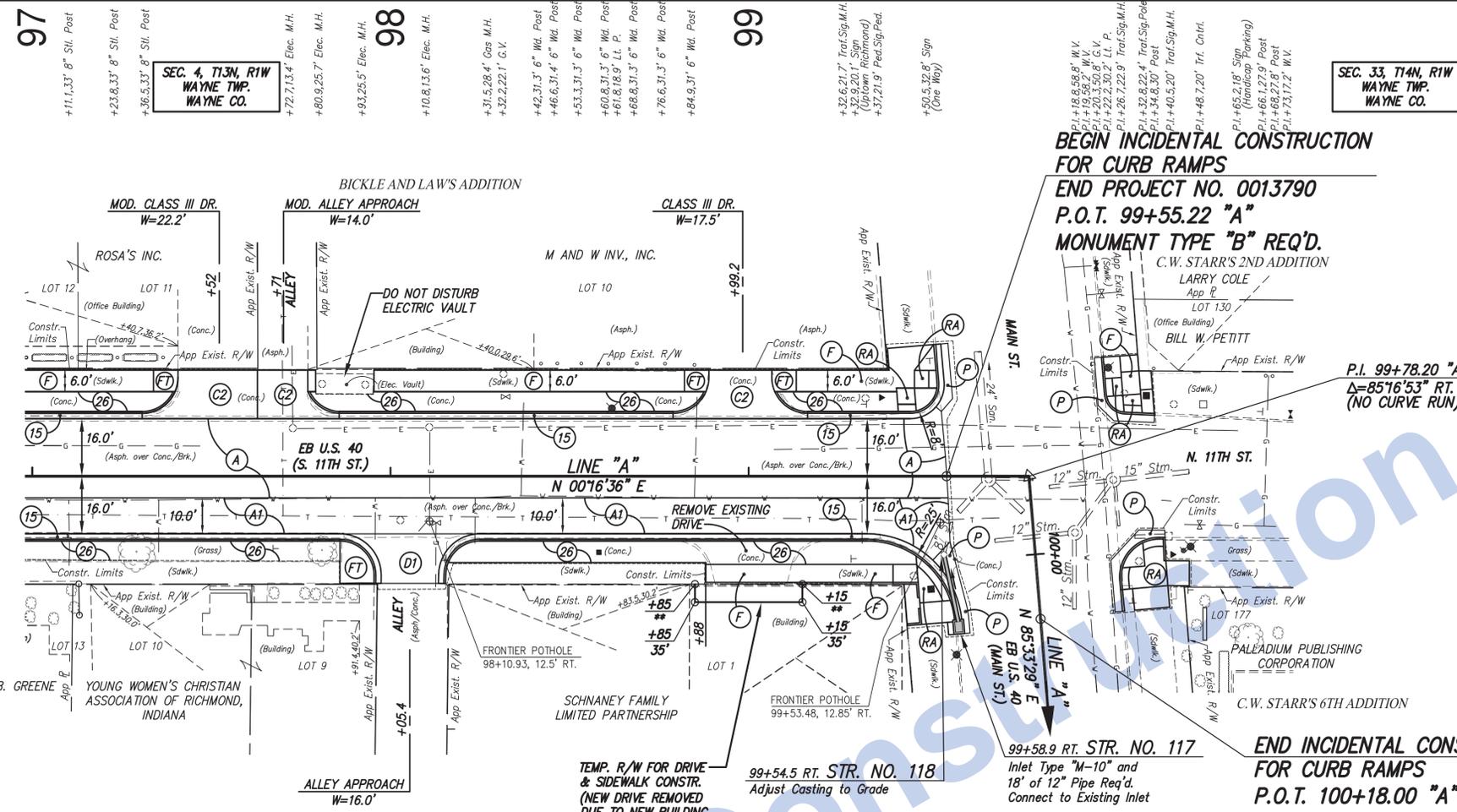
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
LINE "A" - EASTBOUND U.S. 40 (S. 11th St.)
PLAN AND PROFILE SHEET 9

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	31 of 105
CONTRACT	PROJECT
R-30397	0013790

LEGEND

- (A) 9.5" PLAIN JOINTED OC/QA PRECAST PCCP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IC
- (A1) 9.5" PLAIN JOINTED OC/QA PRECAST PCCP ON PRECISION GRADING FINE AGGREGATE ON 4" OF COARSE AGGREGATE, NO. 43 BASE ON SUBGRADE TREATMENT TYPE IV
- (D) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 385#/SYD. HMA INTERMEDIATE, TYPE B ON SUBGRADE TREATMENT TYPE II
- (D1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE C ON 275#/SYD. HMA INTERMEDIATE, TYPE C ON 330#/SYD. HMA BASE, TYPE C ON SUBGRADE TREATMENT TYPE IC
- (C1) PCCP FOR APPROACHES, 6", ON SUBGRADE TREATMENT TYPE II
- (C2) PCCP FOR APPROACHES, 9", ON SUBGRADE TREATMENT TYPE II
- (F) SIDEWALK, CONCRETE, 4"
- (FT) SIDEWALK ELEVATION TRANSITION
- (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
- (R) 1-1/2" ASPHALT MILLING WITH 165#/SYD. OC/QA-HMA, 3, 70, SURFACE 9.5 mm
- (R1) HMA FOR APPROACHES: 165#/SYD. HMA SURFACE, TYPE B ON 1-1/2" ASPHALT MILLING
- (RA) CONCRETE CURB RAMP
- (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
- (16) CONCRETE CURB
- (26) SODDING (NURSERY) ON 4" OF TOPSOIL (ALSO SEE TYPICAL SECTIONS FOR PLACEMENT)



SEC. 33, T14N, R1W WAYNE TWP. WAYNE CO.

BEGIN INCIDENTAL CONSTRUCTION FOR CURB RAMPS
END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"
MONUMENT TYPE "B" REQ'D.

P.I. 99+78.20 "A"
 $\Delta=85'16.53"$ RT.
 (NO CURVE RUN)

END INCIDENTAL CONSTRUCTION FOR CURB RAMPS
P.O.T. 100+18.00 "A"

TEMP. R/W FOR DRIVE & SIDEWALK CONSTR. (NEW DRIVE REMOVED DUE TO NEW BUILDING CONSTRUCTION)

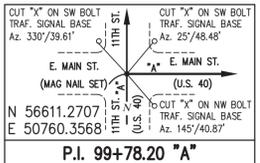
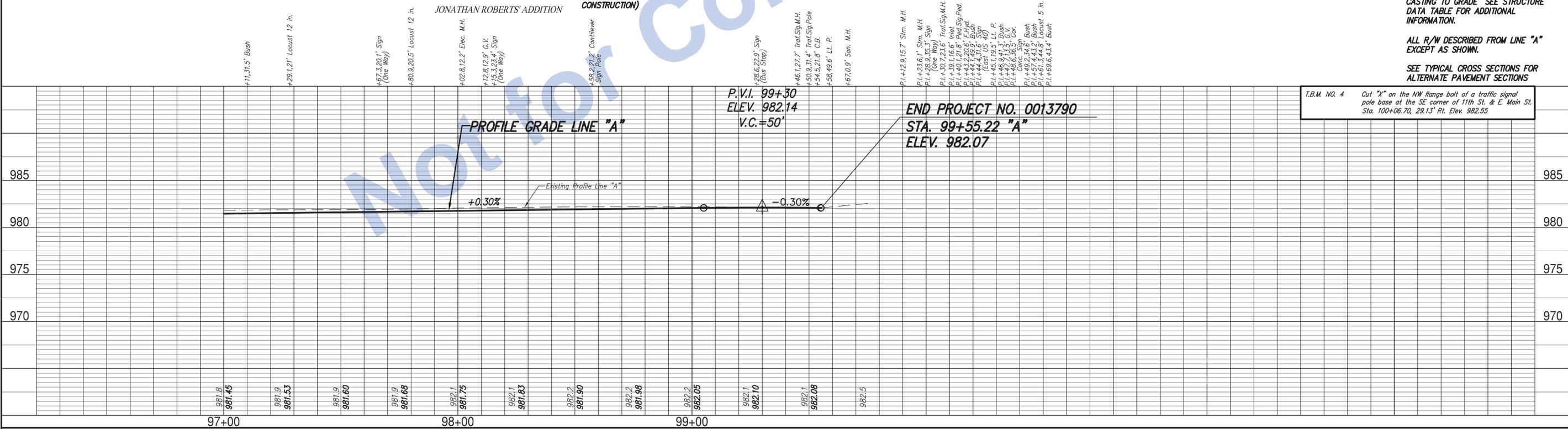
99+58.9 RT. STR. NO. 117
 Inlet Type "M-10" and 18' of 12" Pipe Req'd. Connect to Existing Inlet

ALL SANITARY SEWER MANHOLES WITHIN THE LIMITS OF THE RESURFACE OR NEW PAVEMENT AREAS SHALL BE "ADJUST CASTING TO GRADE" SEE STRUCTURE DATA TABLE FOR ADDITIONAL INFORMATION.

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.

SEE TYPICAL CROSS SECTIONS FOR ALTERNATE PAVEMENT SECTIONS

T.B.M. NO. 4 Cut "X" on the NW flange bolt of a traffic signal pole base at the SE corner of 11th St. & E. Main St. Sta. 100+06.70, 29.13' Rt. Elev. 982.55

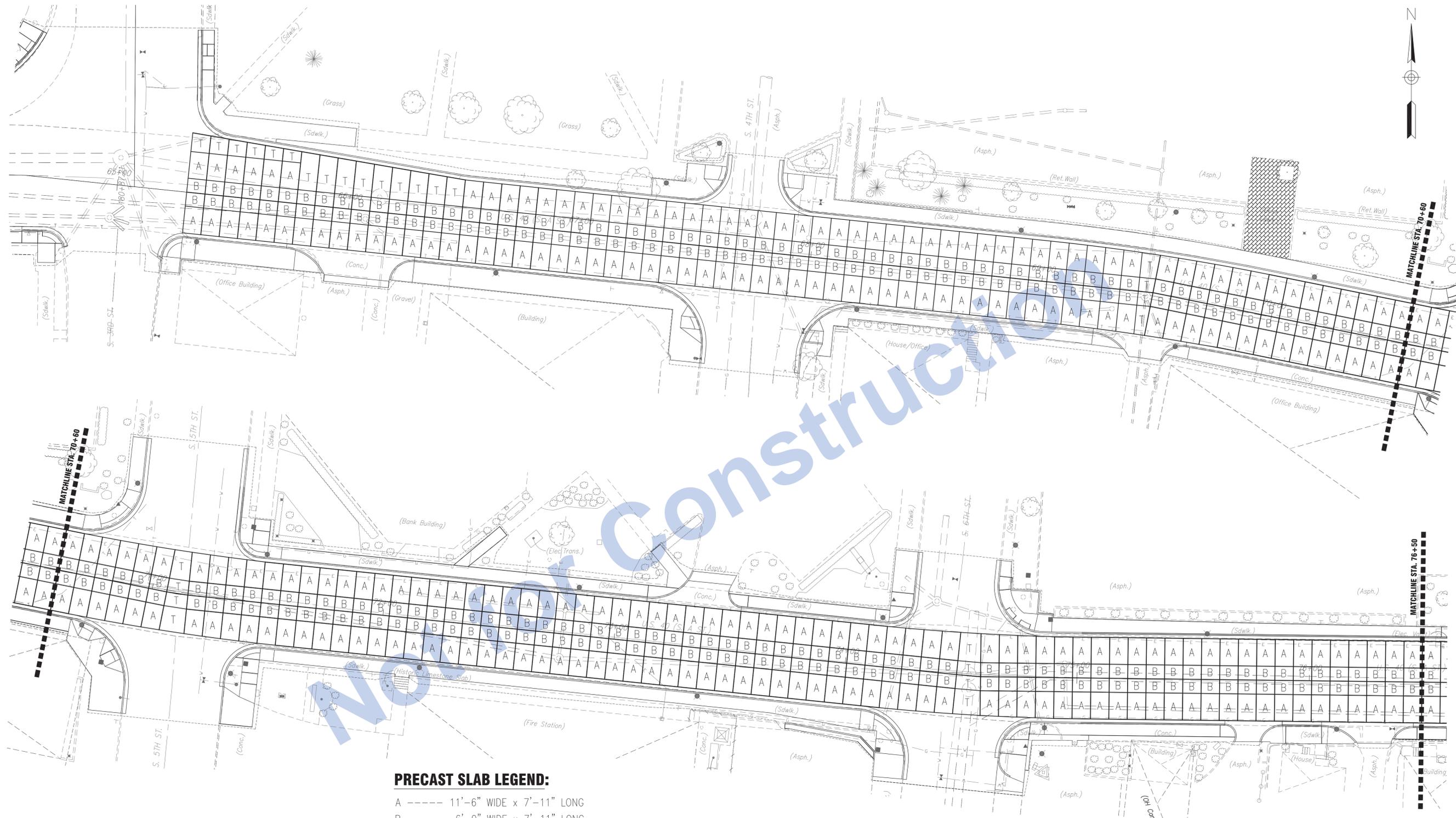


Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

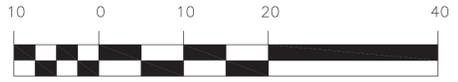
INDIANA DEPARTMENT OF TRANSPORTATION
LINE "A" - EASTBOUND U.S. 40 (S. 11th St.)
 PLAN AND PROFILE SHEET 10

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	32 of 105
CONTRACT	PROJECT
R-30397	0013790



PRECAST SLAB LEGEND:

- A ----- 11'-6" WIDE x 7'-11" LONG
- B ----- 6'-0" WIDE x 7'-11" LONG
- C ----- 6'-0" WIDE x 7'-4" LONG
- D ----- 8'-0" WIDE x 12'-0" LONG
- E ----- 8'-0" WIDE x 8'-0" LONG
- T ----- TRAPEZOIDAL SLAB - SIZES VARY



*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS; 6,607,329 B2, 6,663,315, 6,709,192, 6,899,489, 6,962,462, 7,004,674, AND 7,467,776 B2 AND CANADIAN PATENT NUMBER; 2,413,610 OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.



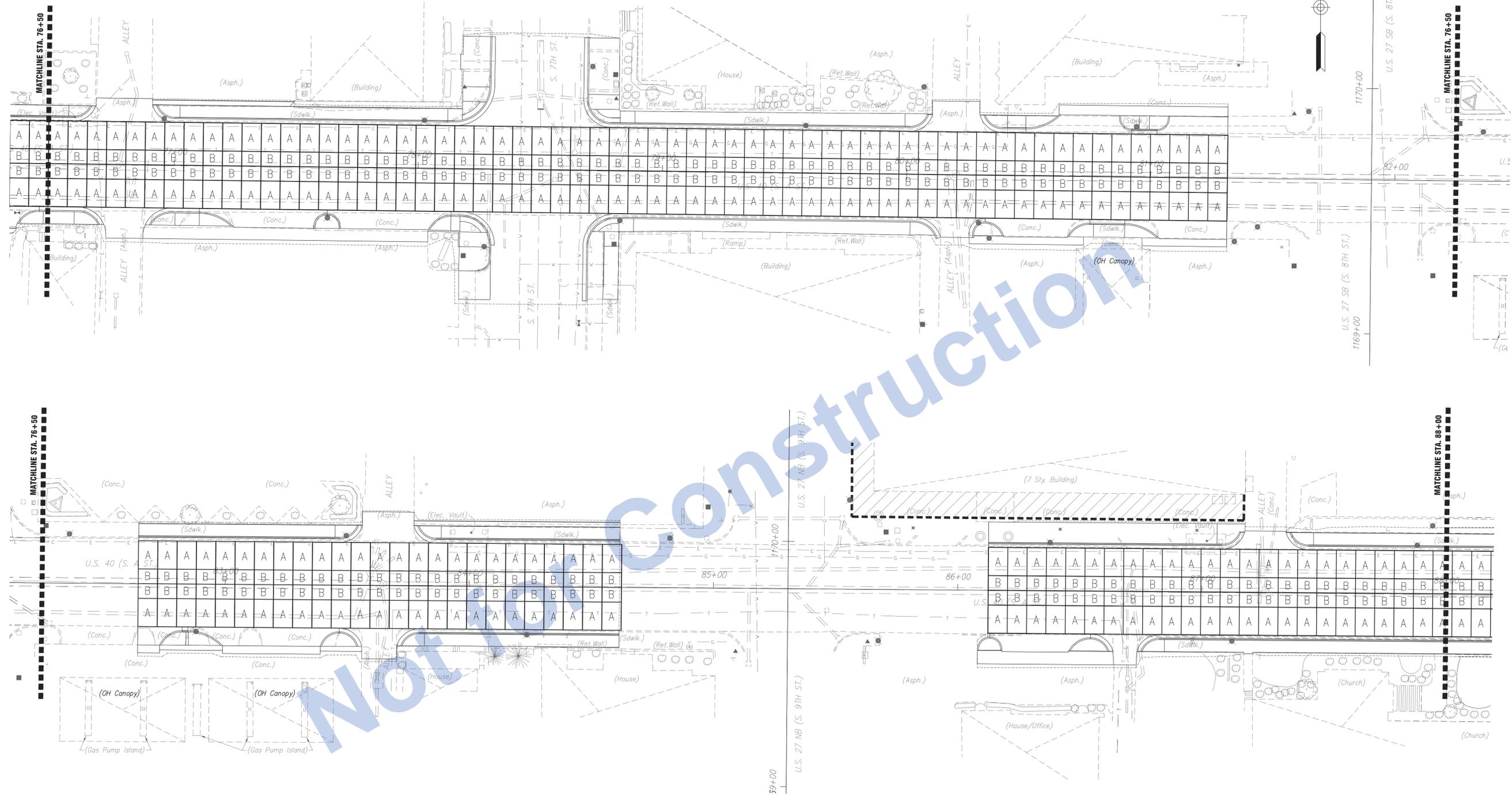
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JCS	DRAWN: JCS	
CHECKED: DEM	CHECKED: DEM	

INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST SLAB LAYOUT - 1

HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	33 of 105
CONTRACT	PROJECT
R-30397	0013790



- PRECAST SLAB LEGEND:**
- A ----- 11'-6" WIDE x 7'-11" LONG
 - B ----- 6'-0" WIDE x 7'-11" LONG
 - C ----- 6'-0" WIDE x 7'-4" LONG
 - D ----- 8'-0" WIDE x 12'-0" LONG
 - E ----- 8'-0" WIDE x 8'-0" LONG
 - T ----- TRAPEZOIDAL SLAB - SIZES VARY



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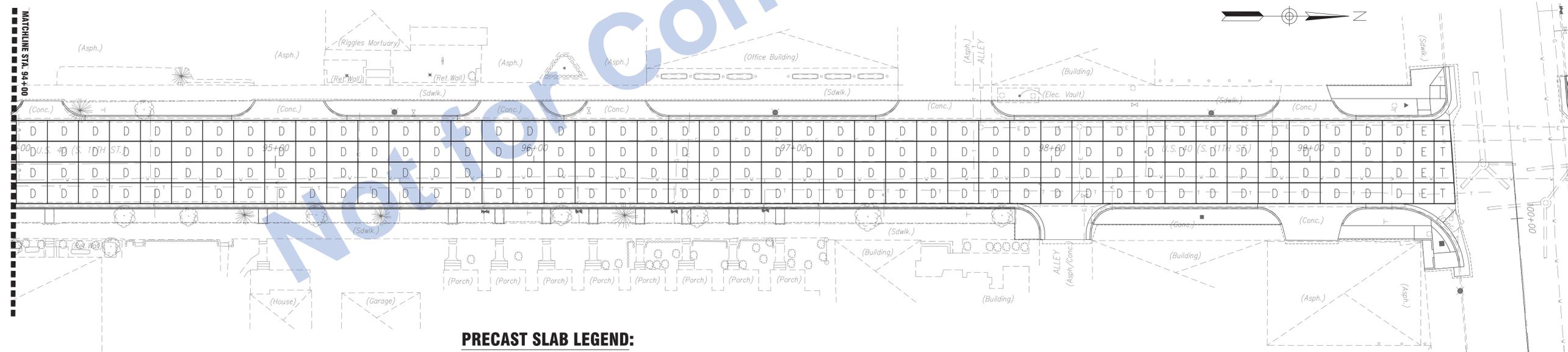
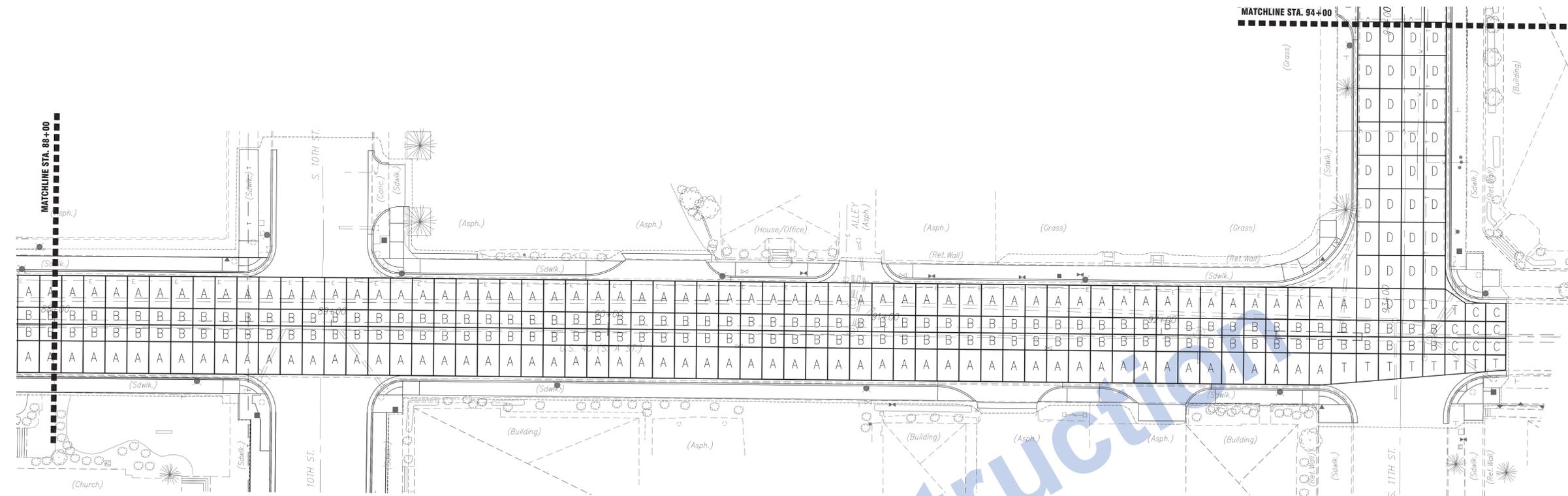
Stage 3 Plans

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	JCS	DRAWN:	JCS		
CHECKED:	DEM	CHECKED:	DEM		

INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST SLAB LAYOUT - 2

HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	34 of 105
CONTRACT	PROJECT
R-30397	0013790



PRECAST SLAB LEGEND:

- A ----- 11'-6" WIDE x 7'-11" LONG
- B ----- 6'-0" WIDE x 7'-11" LONG
- C ----- 6'-0" WIDE x 7'-4" LONG
- D ----- 8'-0" WIDE x 12'-0" LONG
- E ----- 8'-0" WIDE x 8'-0" LONG
- T ----- TRAPEZOIDAL SLAB - SIZES VARY



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Stage 3 Plans

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	JCS	DRAWN:	JCS		
CHECKED:	DEM	CHECKED:	DEM		

INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST SLAB LAYOUT - 3

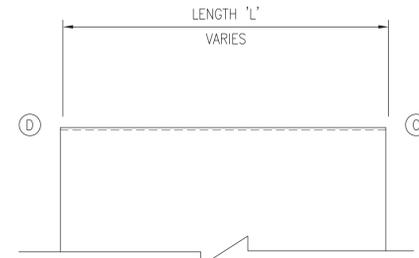
HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	35 of 105
CONTRACT	PROJECT
R-30397	0013790



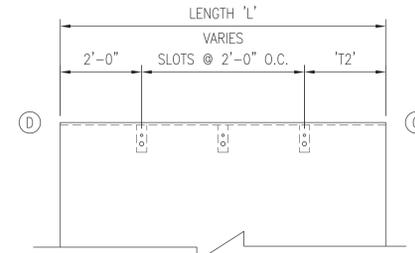
TYPICAL SLAB LAYOUT

SLAB TABLE WILL INDICATE SLAB LENGTH ('L'), WIDTH ('W'), AND SHOW A COMPONENT TYPE FOR EACH SIDE OF SLAB.

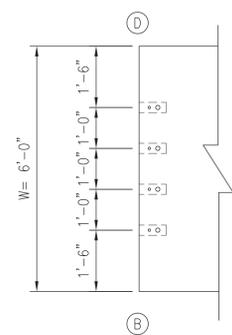
SHOP CARDS WILL SHOW ALL VARIABLES IN THE SLAB TABLE AND WILL HAVE A SCHEMATIC OF THE SLAB COMPONENTS.



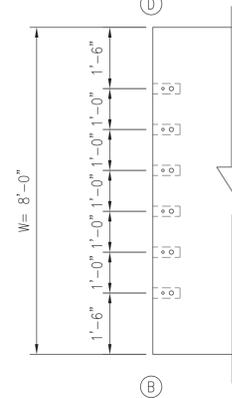
PLAN 'CD' - KEYWAY



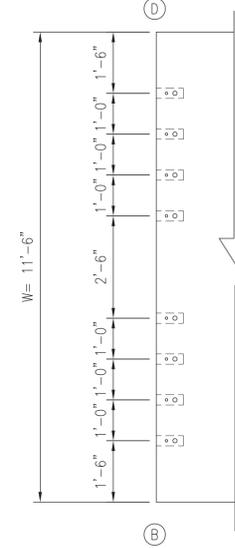
PLAN 'CD' - SLOTS



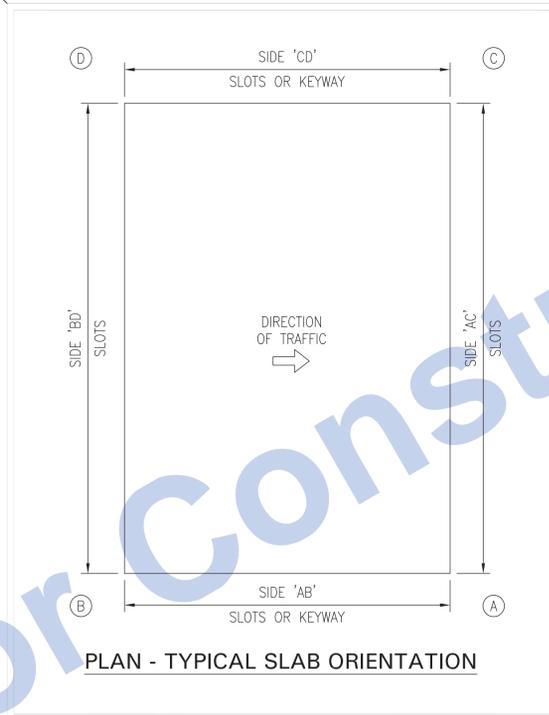
6'-0" WIDE SLABS SLOTS



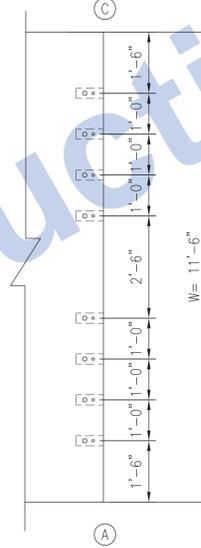
8'-0" WIDE SLABS SLOTS



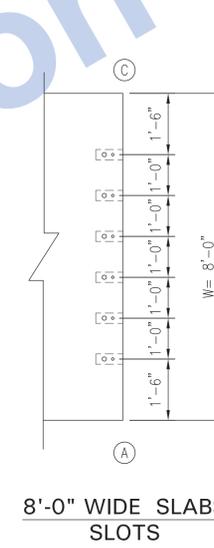
11'-6" WIDE SLABS SLOTS



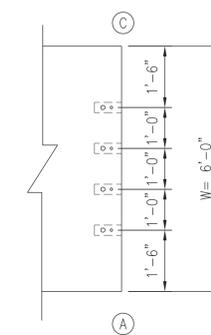
PLAN - TYPICAL SLAB ORIENTATION



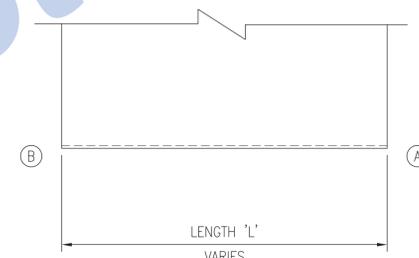
11'-6" WIDE SLABS SLOTS



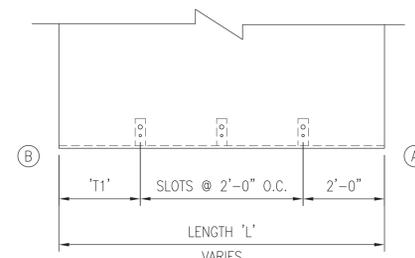
8'-0" WIDE SLABS SLOTS



6'-0" WIDE SLABS SLOTS



PLAN 'AB' - KEYWAY



PLAN 'AB' - SLOTS

*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS: 6,607,329 B2, 6,663,315, 6,709,192, 6,899,489, 6,962,462, 7,004,674, AND 7,467,776 B2 AND CANADIAN PATENT NUMBER: 2,413,610 OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.



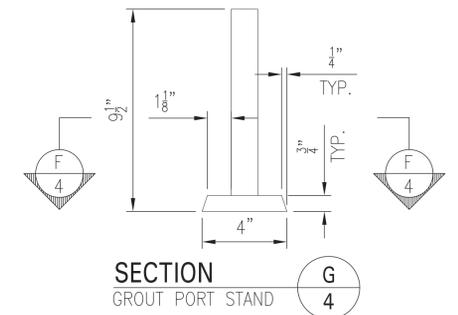
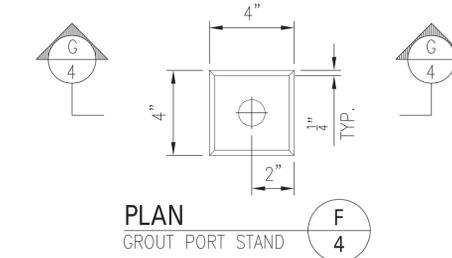
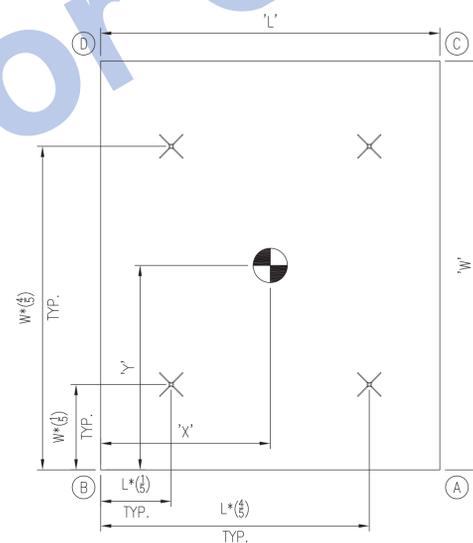
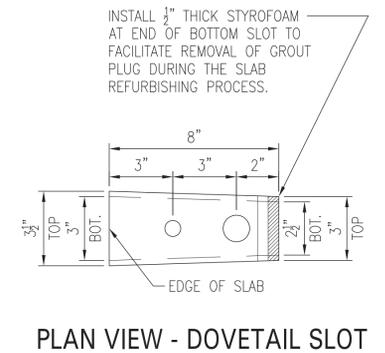
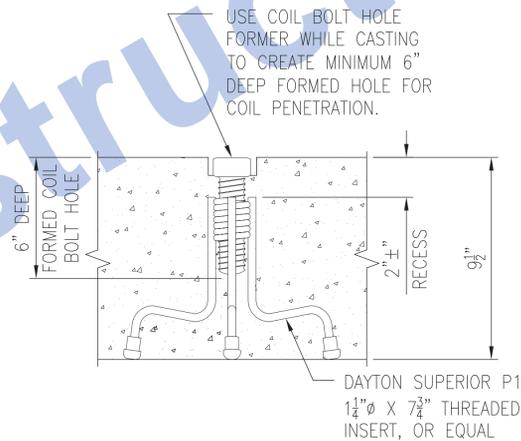
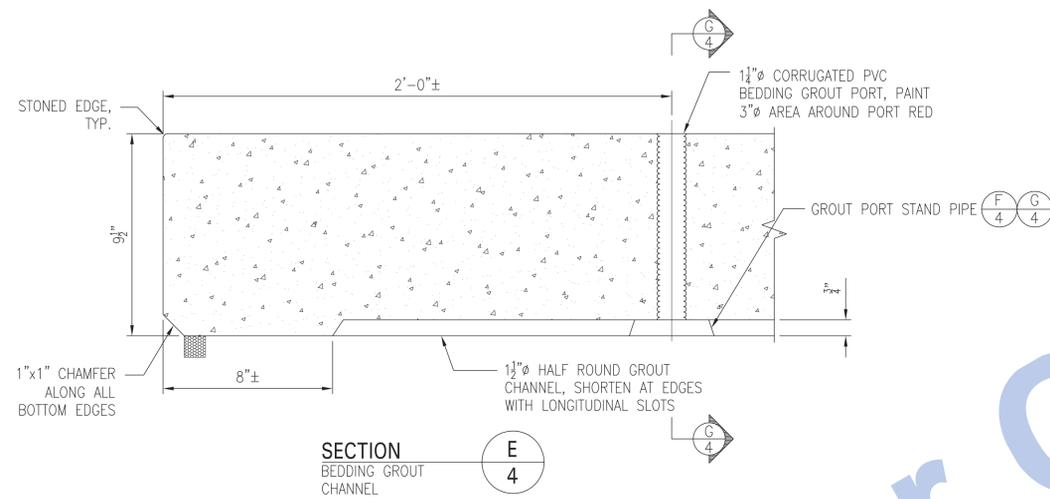
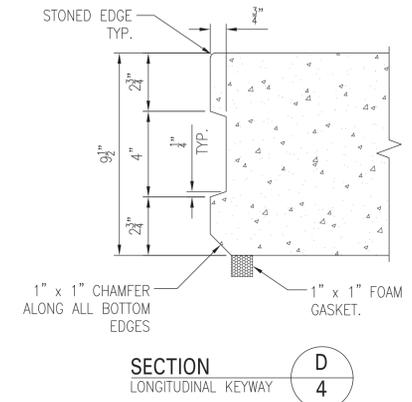
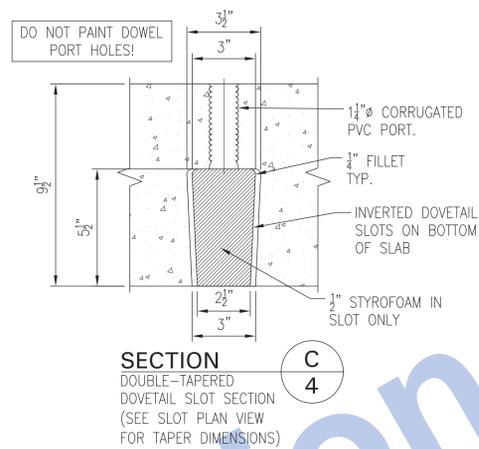
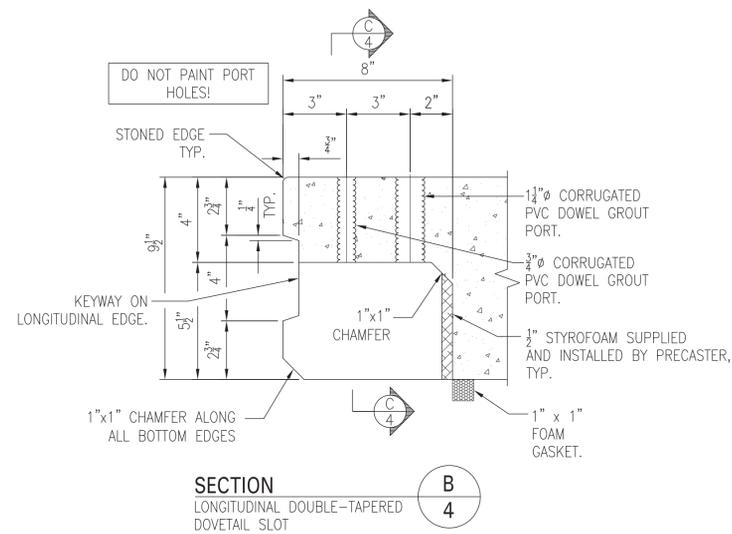
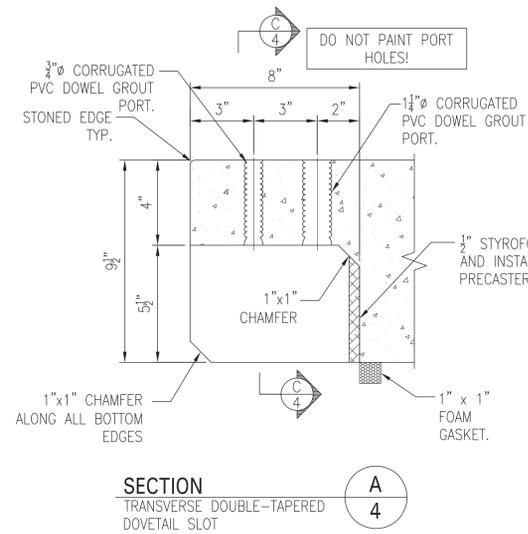
Stage 3 Plans

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	JCS	DRAWN:	JCS		
CHECKED:	DEM	CHECKED:	DEM		

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SLAB COMPONENT LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
N.T.S - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	36 of 105
CONTRACT	PROJECT
R-30397	0013790



*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS: 6,607,329 B2, 6,663,315, 6,709,192, 6,899,489, 6,962,462, 7,004,674, AND 7,467,776 B2 AND CANADIAN PATENT NUMBER: 2,413,610 OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.

The Fort Miller Co., Inc.
P.O. BOX 98
SCHUYLERVILLE, NY 12871
PH: (518) 695-5000
www.fortmiller.com

Stage 3 Plans

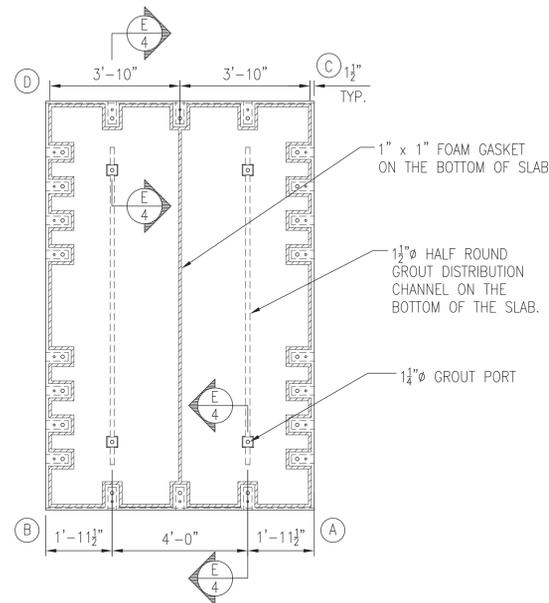
RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: JCS DRAWN: JCS
CHECKED: DEM CHECKED: DEM

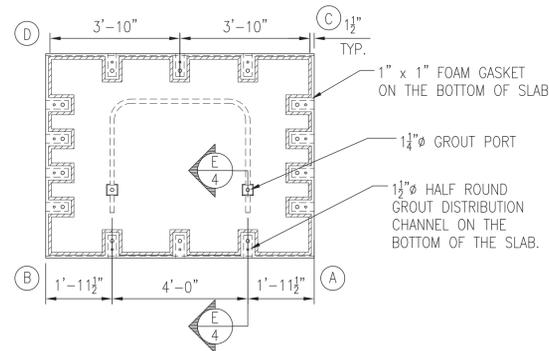
INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST SLAB FABRICATION DETAILS - 1

HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	37 of 105
CONTRACT	PROJECT
R-30397	0013790



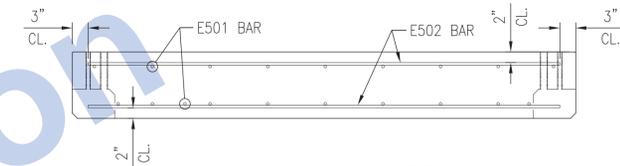
PLAN VIEW - GROUT DISTRIBUTION
 FOR SLABS 11'-6" WIDE x 7'-11" LONG
 SIMILAR FOR SLABS 8'-0" WIDE x 12'-0" LONG



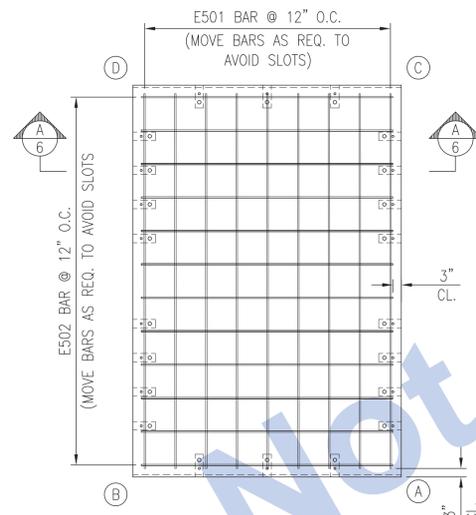
PLAN VIEW - GROUT DISTRIBUTION
 FOR SLABS 6'-0" WIDE x 7'-11" LONG

REINFORCEMENT NOTES:

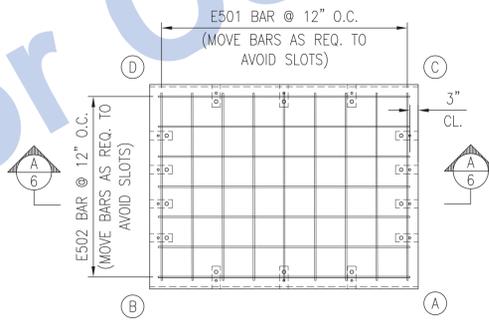
1. TOP AND BOTTOM MAT REINFORCEMENT SHALL BE #5 EPOXY COATED BAR MEETING THE REQUIREMENTS OF ASTM A775.
2. CLEAR COVER AS SHOWN IN THE SECTION VIEW.
3. TO SPLICE REINFORCEMENT STEEL, USE A MINIMUM SPLICE LENGTH OF 2'-0".
4. MOVE BARS AS REQUIRED TO AVOID MOUSEHOLES AND GROUT PORTS.
5. TRIM ALL BARS AS REQUIRED TO MAINTAIN CLEAR COVER.



SECTION A-6
 TYPICAL REINFORCEMENT SECTION



PLAN VIEW - REINFORCEMENT
 TOP MAT REINFORCEMENT
 BOTTOM MAT SIMILAR



PLAN VIEW - REINFORCEMENT
 TOP MAT REINFORCEMENT
 BOTTOM MAT SIMILAR

*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS; 6,607,329 B2, 6,663,315, 6,709,192, 6,899,489, 6,962,462, 7,004,674, AND 7,467,776 B2 AND CANADIAN PATENT NUMBER; 2,413,610 OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.

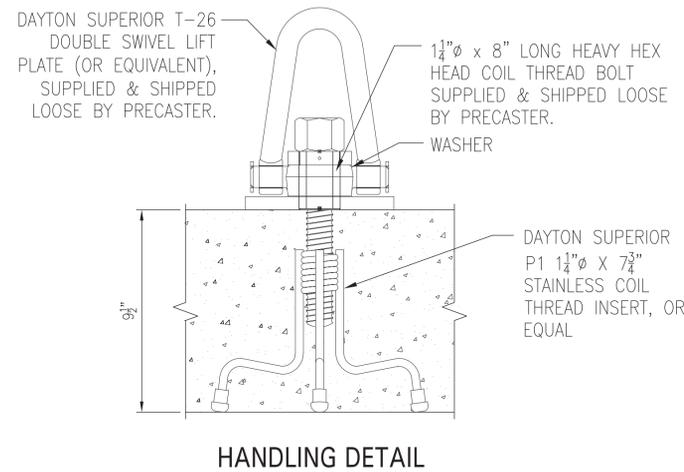
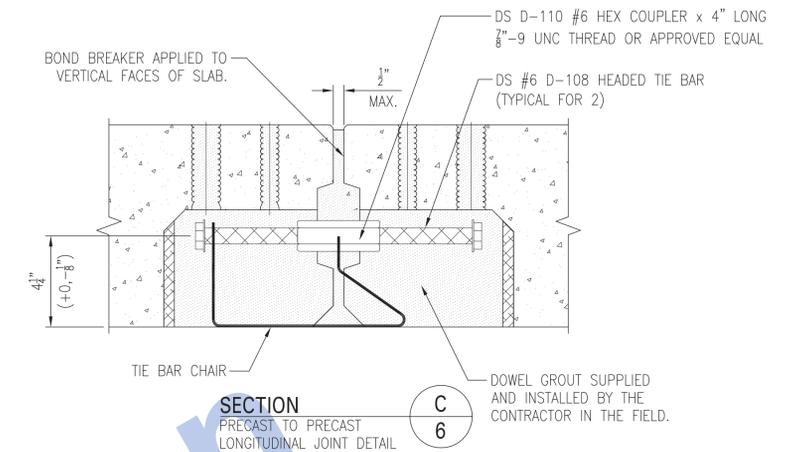
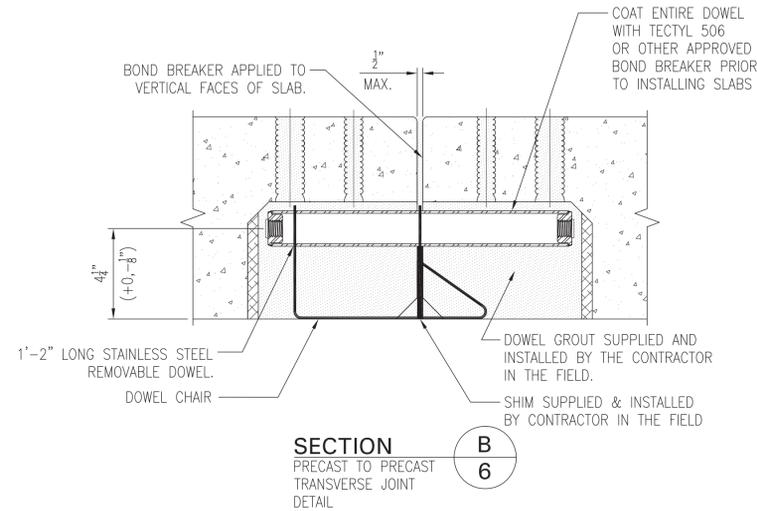
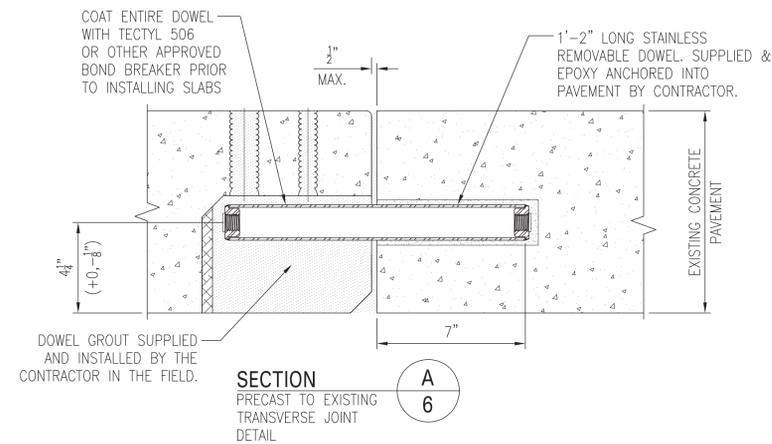


Stage 3 Plans

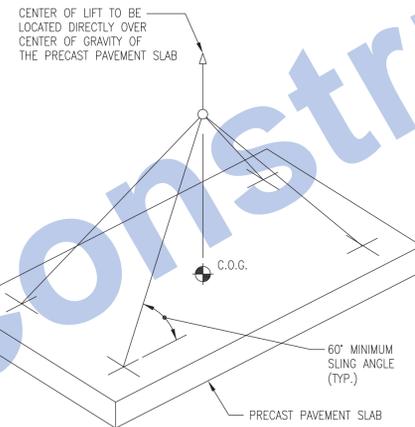
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JCS	DRAWN: JCS	
CHECKED: DEM	CHECKED: DEM	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PRECAST SLAB FABRICATION DETAILS - 2

HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	38 of 105
CONTRACT	PROJECT
R-30397	0013790



- NOTES:
1. MINIMUM STRIPPING STRENGTH: 3,000 PSI
 2. MINIMUM SLING ANGLE 60°
 3. RIGGING THAT WILL ENGAGE ALL (4) LIFTING DEVICES EQUALLY REQUIRED.



*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS: 6,607,329 B2, 6,663,315, 6,709,192, 6,899,489, 6,962,462, 7,004,674, AND 7,467,776 B2 AND CANADIAN PATENT NUMBER; 2,413,610 OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.



Stage 3 Plans

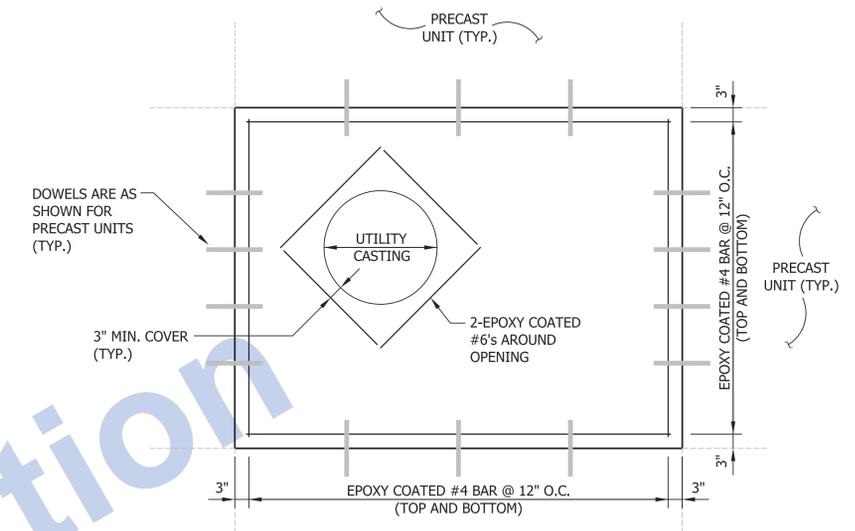
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JCS	DRAWN: JCS	
CHECKED: DEM	CHECKED: DEM	

INDIANA
DEPARTMENT OF TRANSPORTATION

PRECAST SLAB INSTALLATION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N.T.S. - U.N.O.	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	39 of 105
CONTRACT	PROJECT
R-30397	0013790

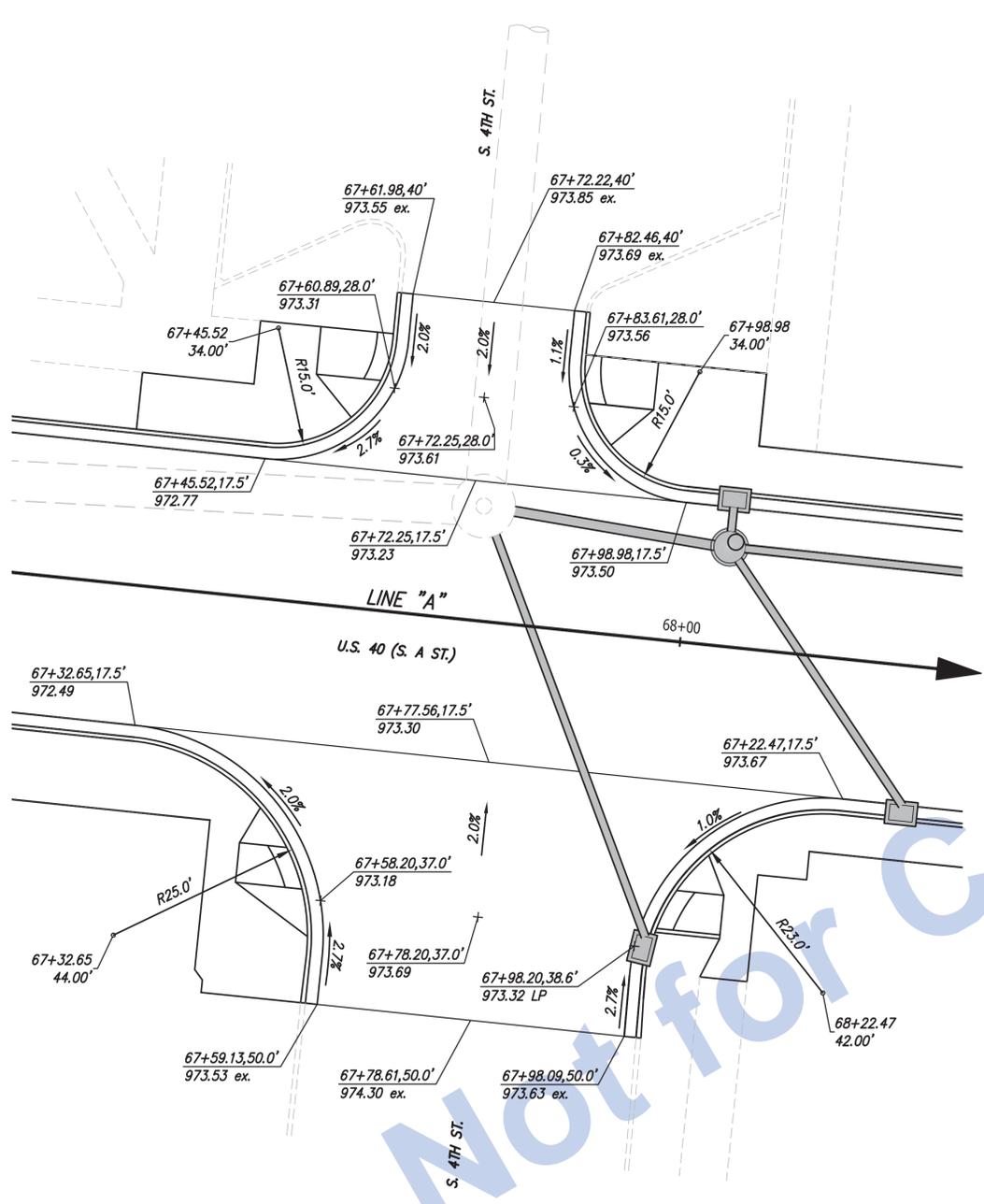
Not for Construction



**ISOLATION SLAB AT UTILITY CASTINGS
(CAST-IN-PLACE CONCRETE PAVEMENT)**
NOT TO SCALE

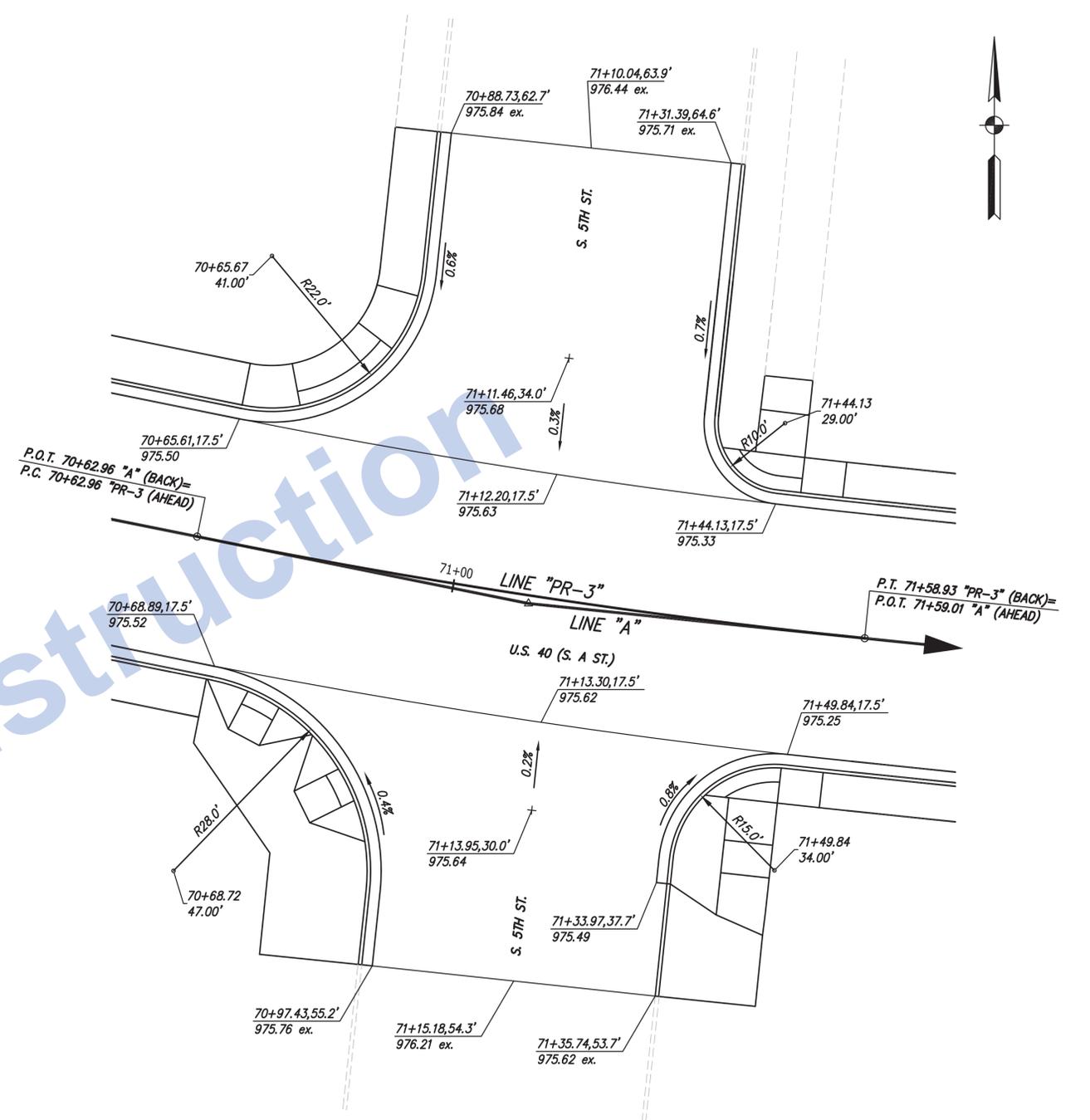
- NOTES:
1. PRECAST UNITS AND DOWELS ARE TO BE SET ON ALL FOUR SIDES OF CAST-IN-PLACE PORTION FIRST.
 2. CAST-IN-PLACE PORTION IS TO BE POURED ENCLOSING DOWELS FROM PRECAST UNITS.
 3. #4 BARS IN VICINITY OF OPENING ARE TO BE CUT SO THAT COVER OF BARS IS 3" MIN.
 4. #6 BARS ARE TO BE INSTALLED IN PAIRS BOTH TOP AND BOTTOM, EIGHT (8) TOTAL.
 5. THICKNESS OF CAST-IN-PLACE PORTION SHALL MATCH THE THICKNESS OF THE ADJACENT PRECAST UNITS.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE		
	DESIGN ENGINEER DATE				1" = 30'		N/A		
	DESIGNED: J.L.B.	DRAWN: J.P.H.	VERTICAL SCALE		DESIGNATION		SURVEY BOOK		
	CHECKED: J.P.H.	CHECKED: J.L.B.	N/A		0013790		17327		
Miscellaneous Precast Slab Details				CONTRACT		PROJECT		SHEETS	
				R-30397		0013790		40 of 105	



NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

S. 4TH STREET



NOTE:
ALL POINTS DESCRIBED FROM LINE "PR-3"

S. 5TH STREET

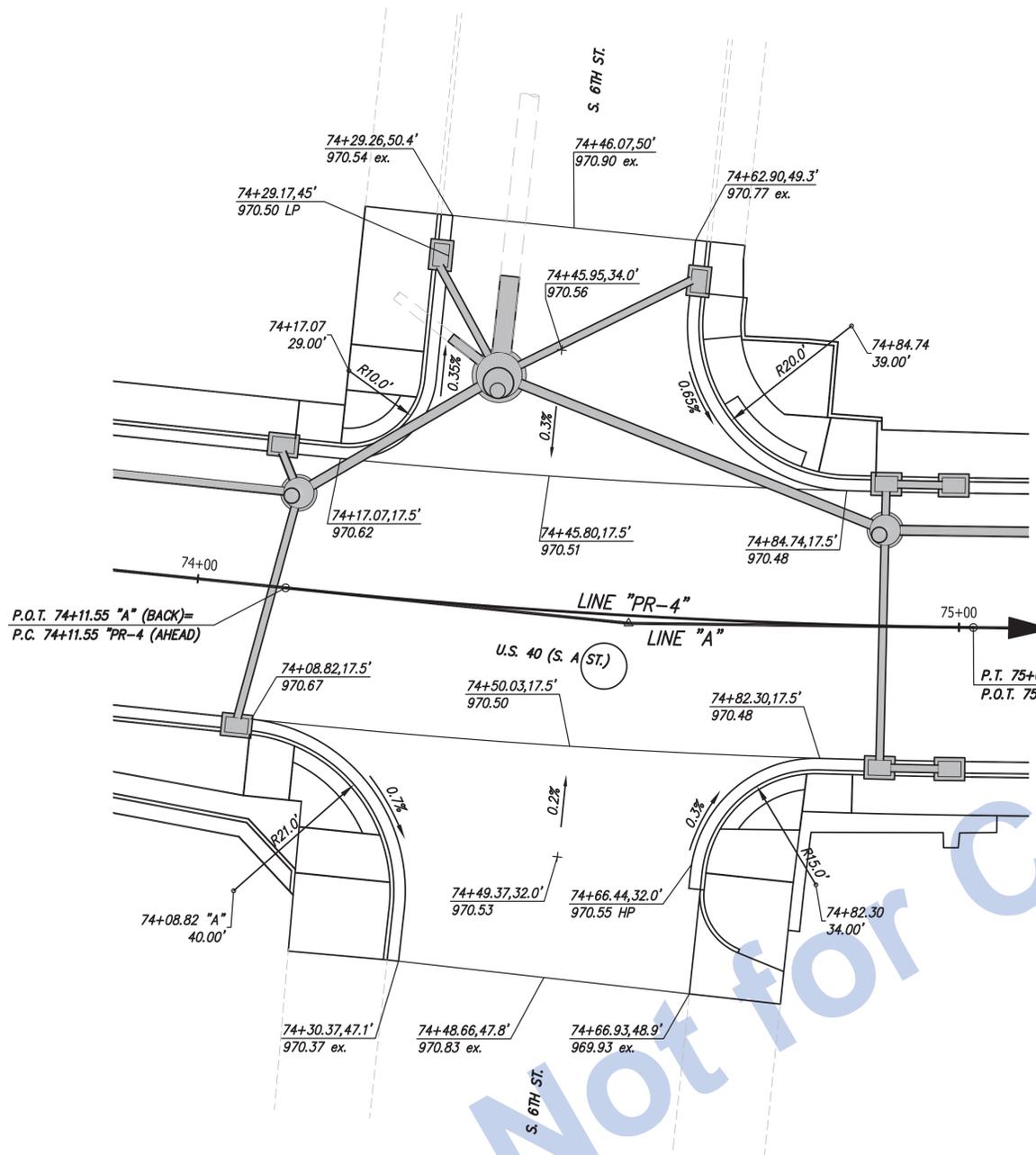
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
DEPARTMENT OF TRANSPORTATION

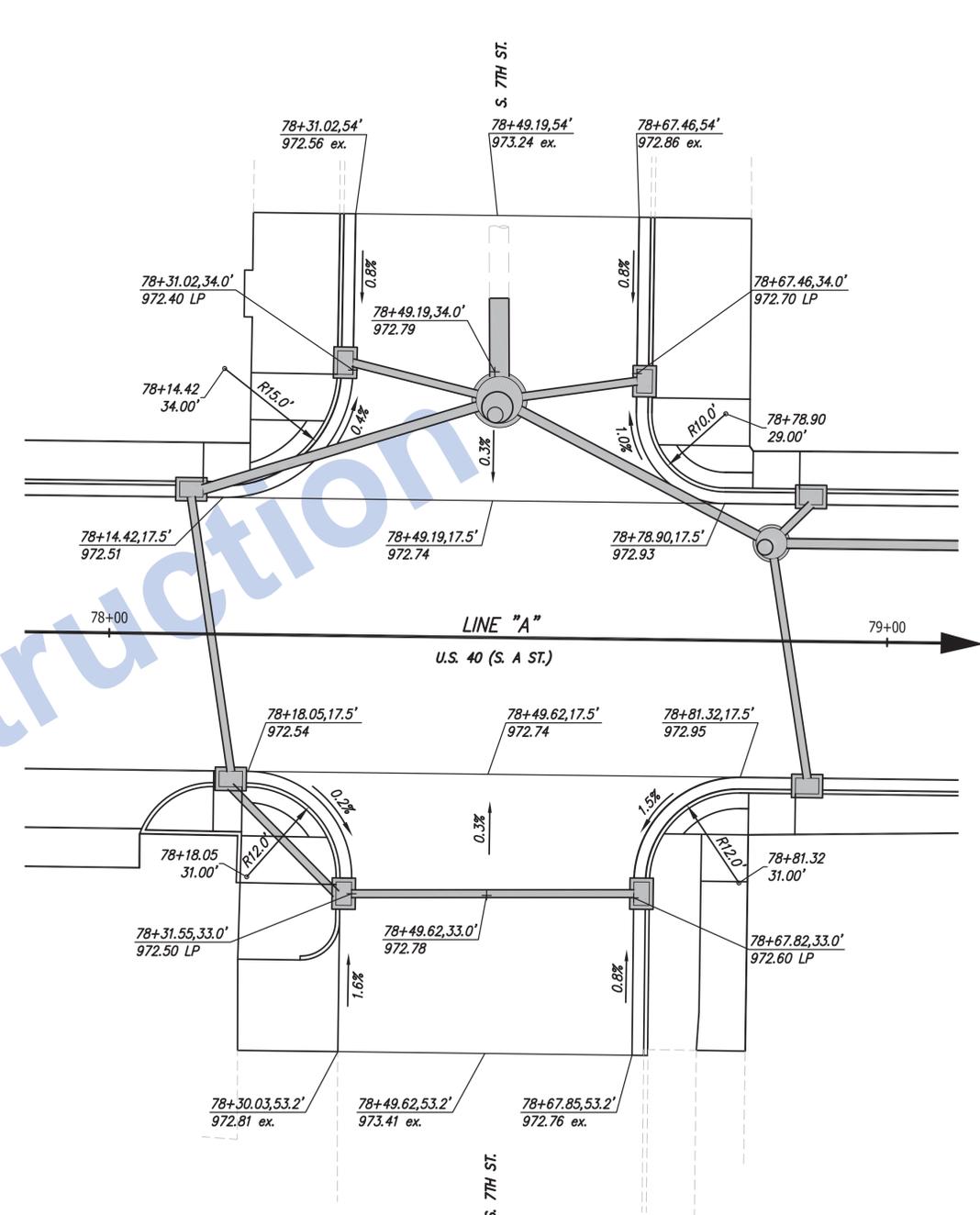
U.S. 40 (S. A ST.) INTERSECTION -
SPOT ELEVATION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	41 of 105
CONTRACT	PROJECT
R-30397	0013790



NOTE:
ALL POINTS DESCRIBED FROM LINE "PR-4"
UNLESS NOTED

S. 6TH STREET



NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

S. 7TH STREET

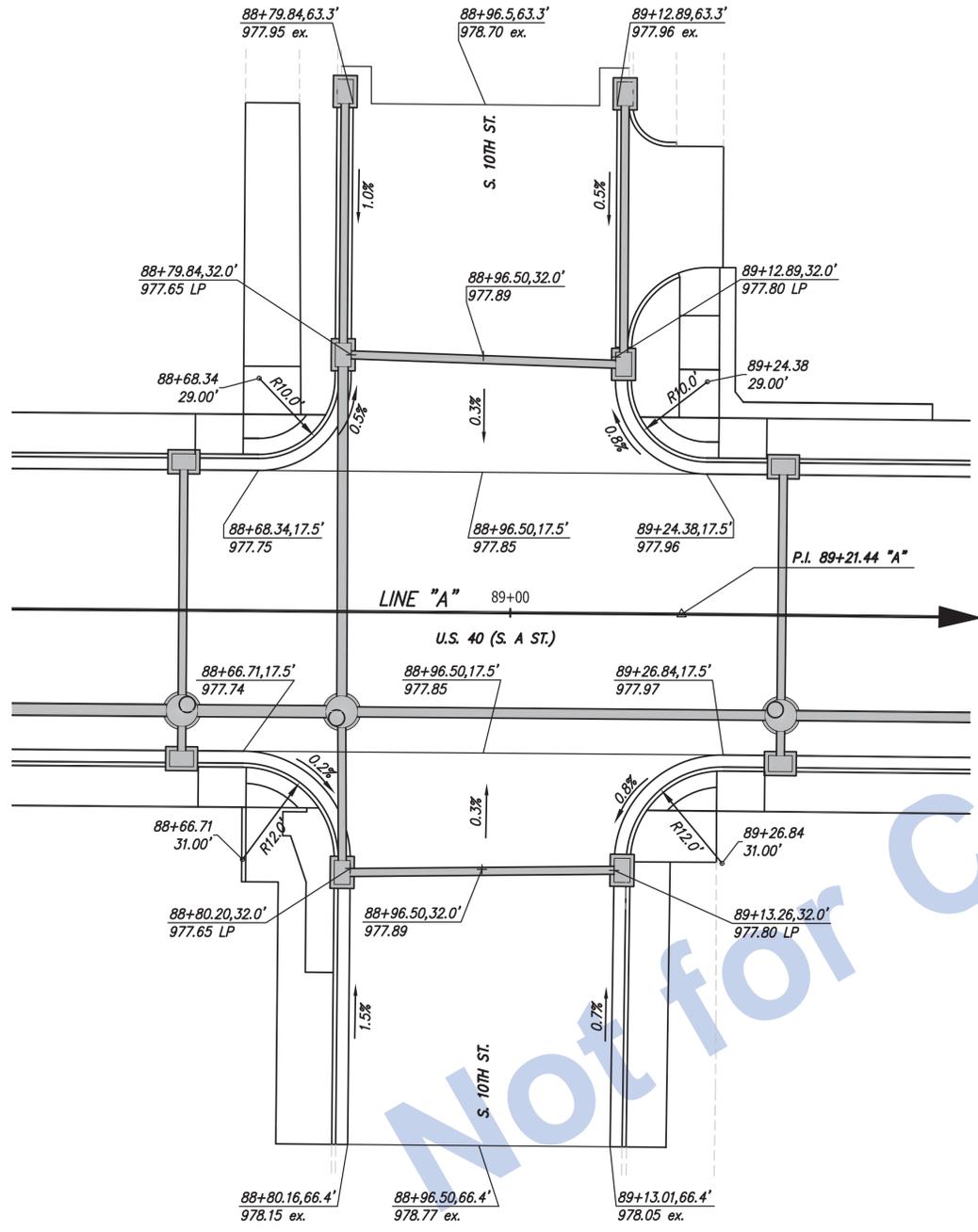
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
DEPARTMENT OF TRANSPORTATION

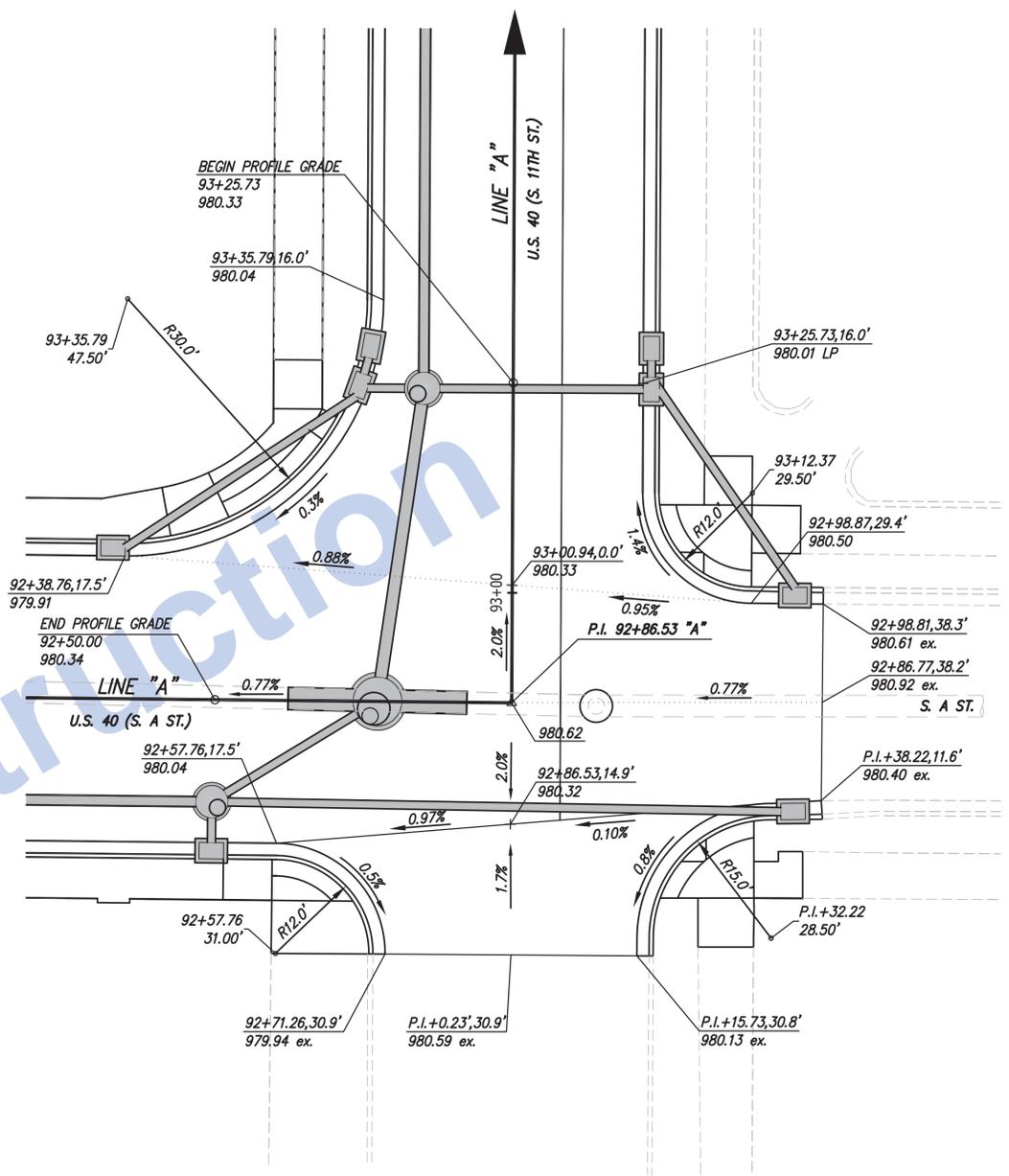
U.S. 40 (S. A ST.) INTERSECTION -
SPOT ELEVATION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	42 of 105
CONTRACT	PROJECT
R-30397	0013790



NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

S. 10TH STREET



NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

S. 11TH STREET

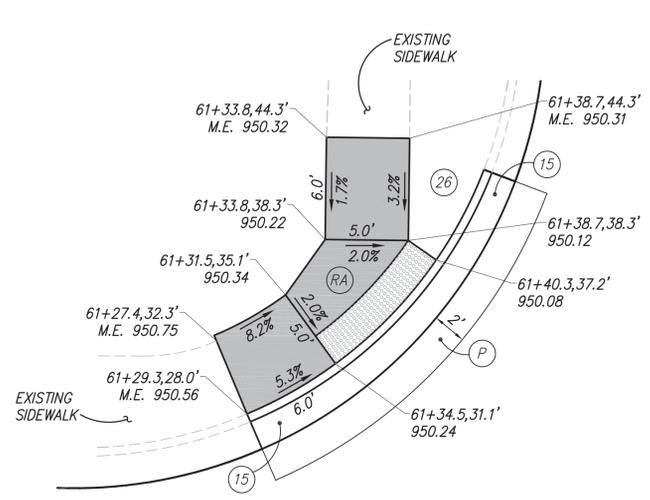
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

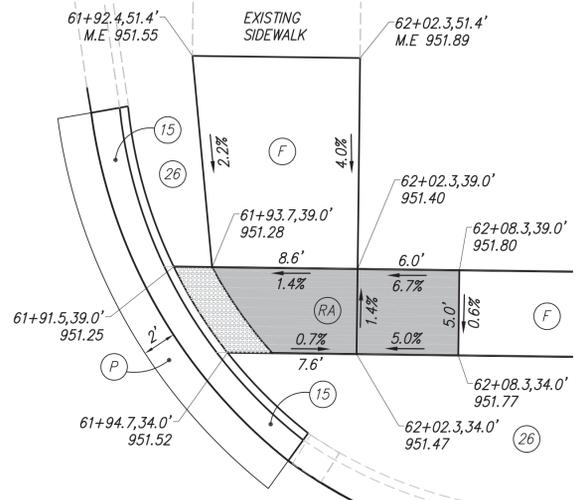
INDIANA
DEPARTMENT OF TRANSPORTATION

U.S. 40 (S. A ST.) INTERSECTION -
SPOT ELEVATION DETAILS

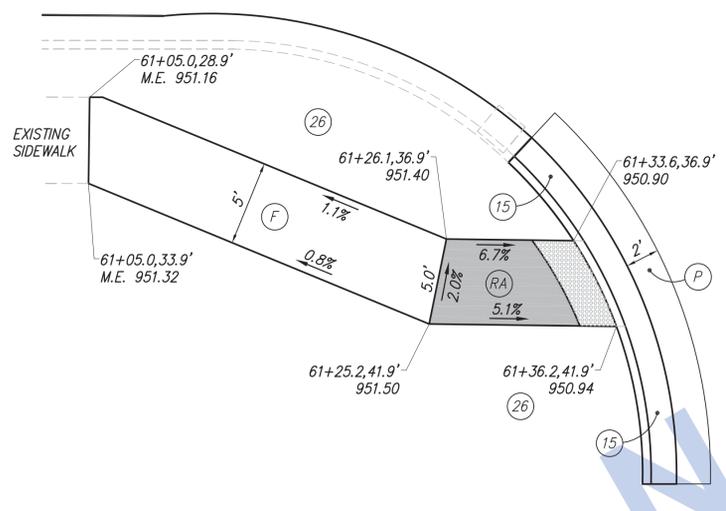
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	43 of 105
CONTRACT	PROJECT
R-30397	0013790



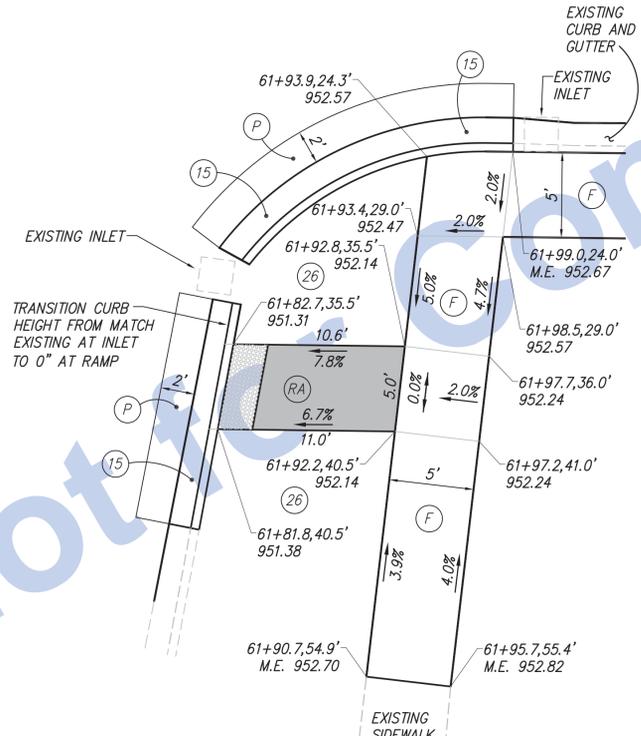
NW QUADRANT



NE QUADRANT



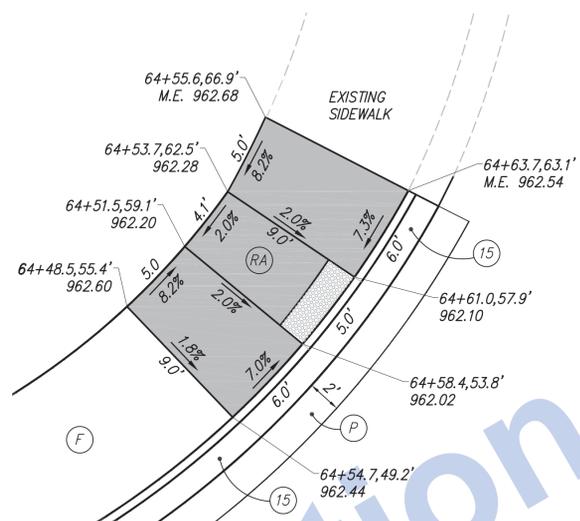
SW QUADRANT



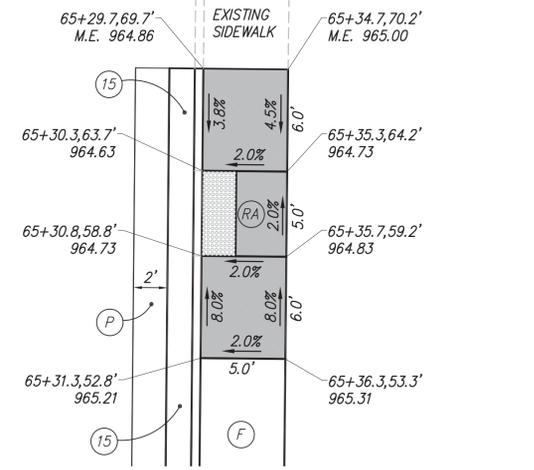
SE QUADRANT

SIDEWALK RAMPS AT S. 2ND STREET

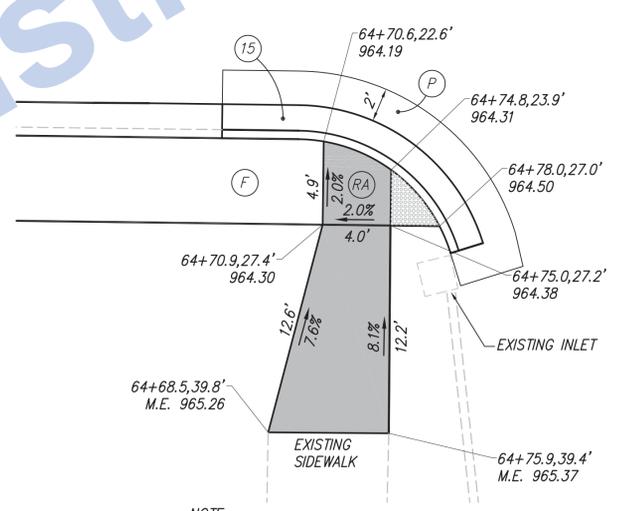
NOTE:
ALL POINTS DESCRIBED FROM LINE "A" UNLESS NOTED.



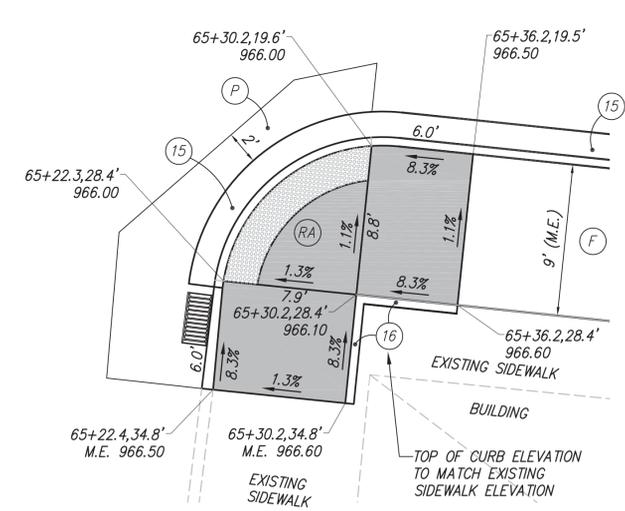
NW QUADRANT



NE QUADRANT



SW QUADRANT



SE QUADRANT

SIDEWALK RAMPS AT S. 3RD STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "A" UNLESS NOTED.

FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING AND SIGNING SHEETS.
FOR ADDITIONAL GRADE AND SPOT ELEVATION INFORMATION AT INTERSECTIONS. SEE THE INTERSECTION SPOT ELEVATION DETAIL SHEETS.
UNLESS OTHERWISE NOTED, TRANSITION CURB HEIGHTS FROM 0" ACROSS WIDTH OF TRUNCATED DOMES, TO FULL CURB HEIGHTS AT A RATE OF 12:1 (MAX.)

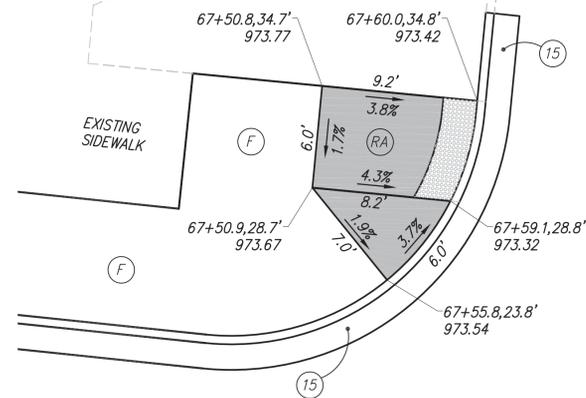
- LEGEND**
- (F) SIDEWALK, CONCRETE, 4"
 - (FT) SIDEWALK ELEVATION TRANSITION
 - (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
 - (RA) CONCRETE CURB RAMP
 - (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
 - (16) CONCRETE CURB
 - (26) SODDING (NURSERY) ON 4" TOPSOIL
 - [Pattern] DETECTABLE WARNING SURFACE
 - M.E. = MATCH EXISTING

Stage 3 Plans

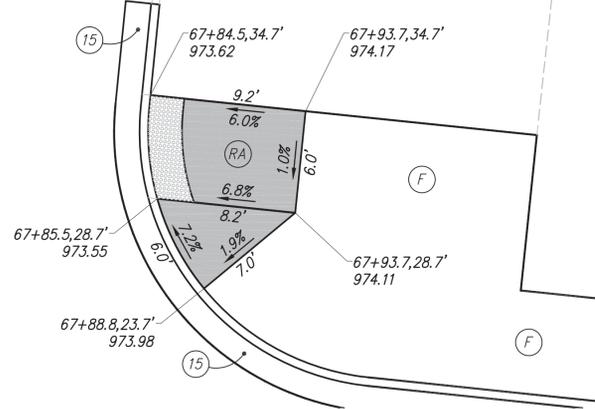
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
U.S. 40 (S. A ST.)
SIDEWALK RAMP DETAILS

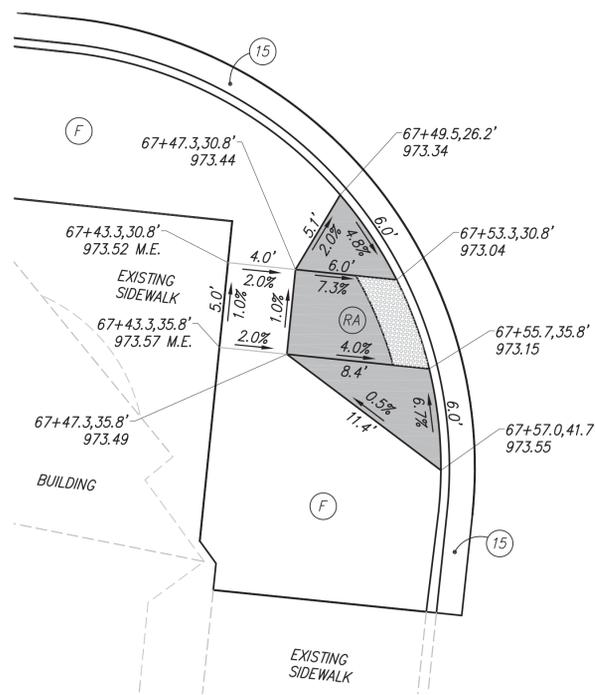
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	44 of 105
CONTRACT	PROJECT
R-30397	0013790



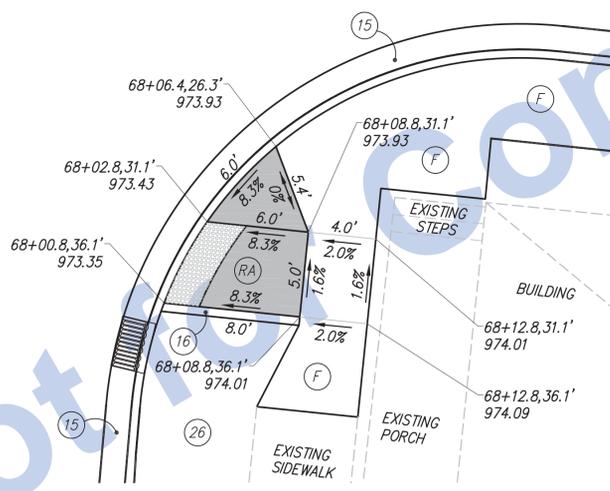
NW QUADRANT



NE QUADRANT



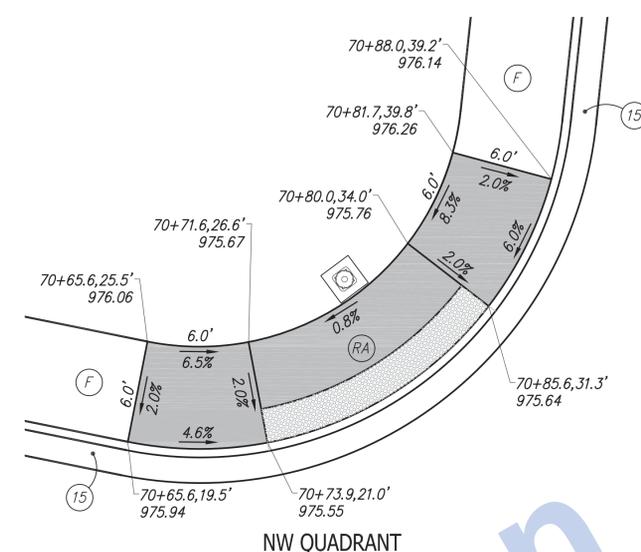
SW QUADRANT



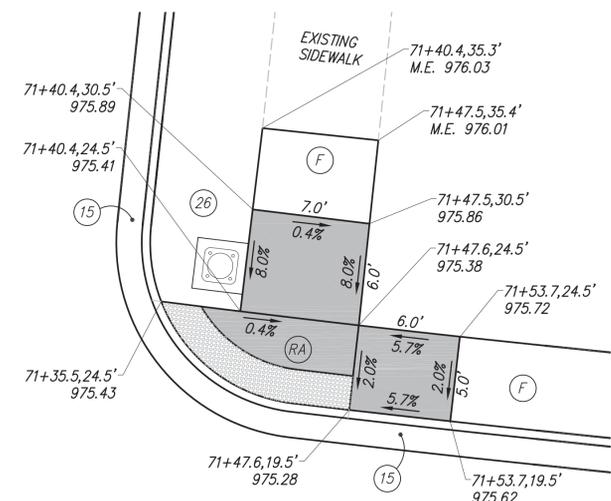
SE QUADRANT

SIDWALK RAMPS AT S. 4TH STREET

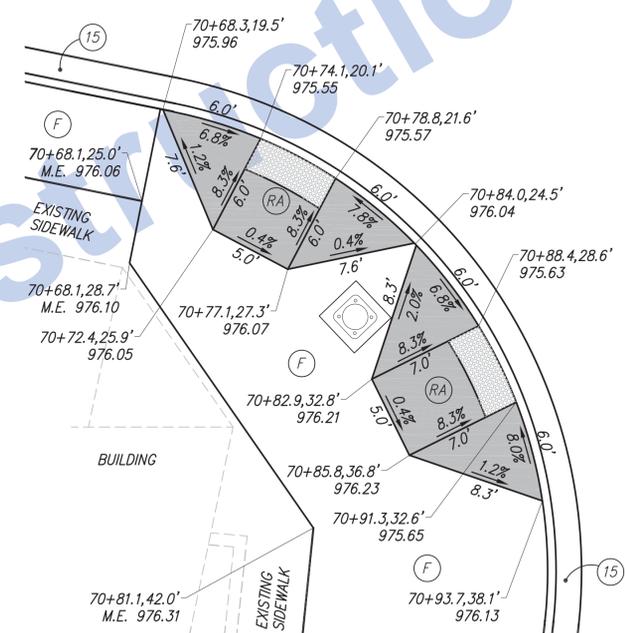
NOTE:
ALL POINTS DESCRIBED FROM LINE "A" UNLESS NOTED.



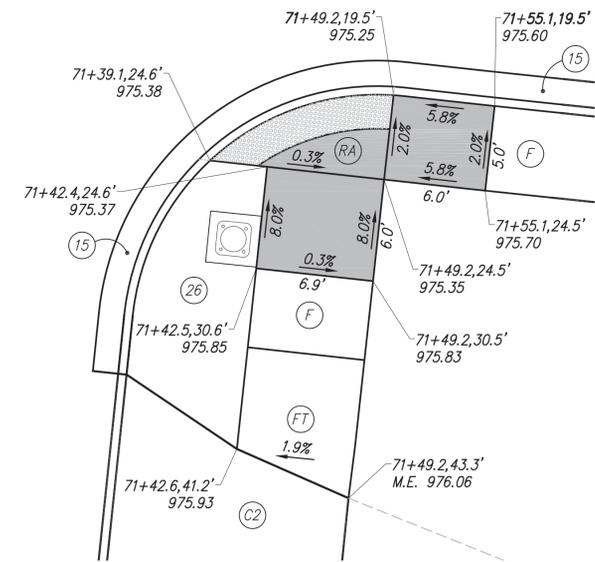
NW QUADRANT



NE QUADRANT



SW QUADRANT



SE QUADRANT

SIDWALK RAMPS AT S. 5TH STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "PR-3"

FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING AND SIGNING SHEETS.

FOR ADDITIONAL GRADE AND SPOT ELEVATION INFORMATION AT INTERSECTIONS. SEE THE INTERSECTION SPOT ELEVATION DETAIL SHEETS.

UNLESS OTHERWISE NOTED, TRANSITION CURB HEIGHTS FROM 0" ACROSS WIDTH OF TRUNCATED DOMES, TO FULL CURB HEIGHTS AT A RATE OF 12:1 (MAX.)

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (FT) SIDEWALK ELEVATION TRANSITION
- (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
- (RA) CONCRETE CURB RAMP
- (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
- (16) CONCRETE CURB
- (26) SODDING (NURSERY) ON 4" TOPSOIL
- DETECTABLE WARNING SURFACE
- M.E. = MATCH EXISTING

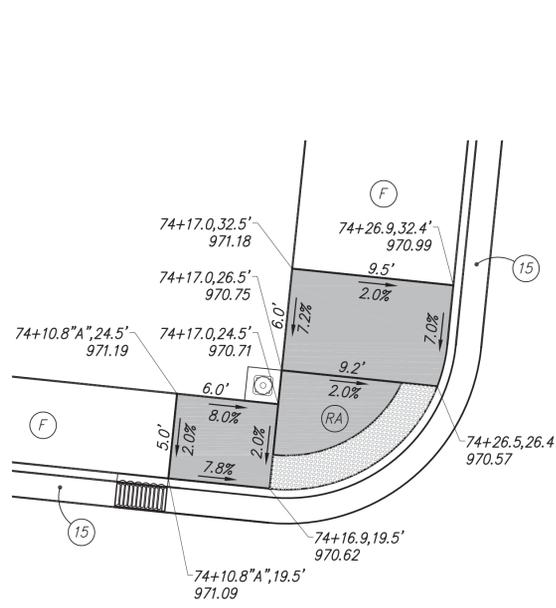
Stage 3 Plans

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CHECKED: J.L.B.	CHECKED: J.L.B.	

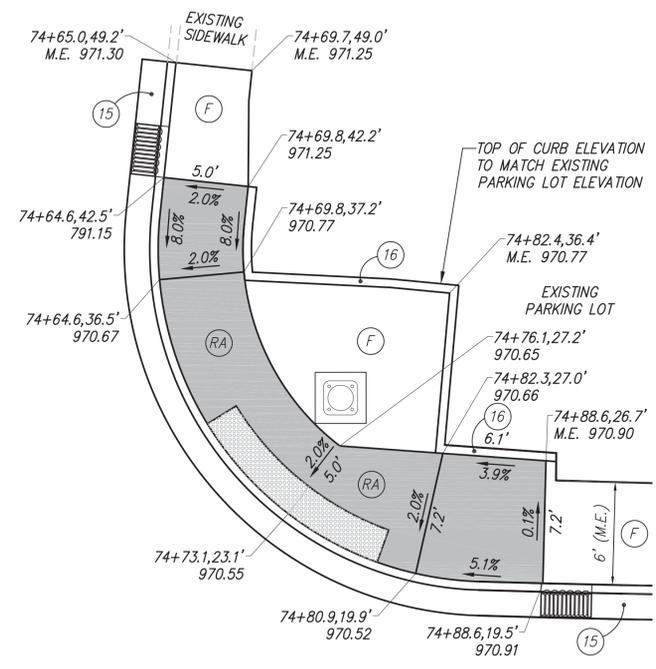
INDIANA DEPARTMENT OF TRANSPORTATION

**U.S. 40 (S. A ST.)
SIDEWALK RAMP DETAILS**

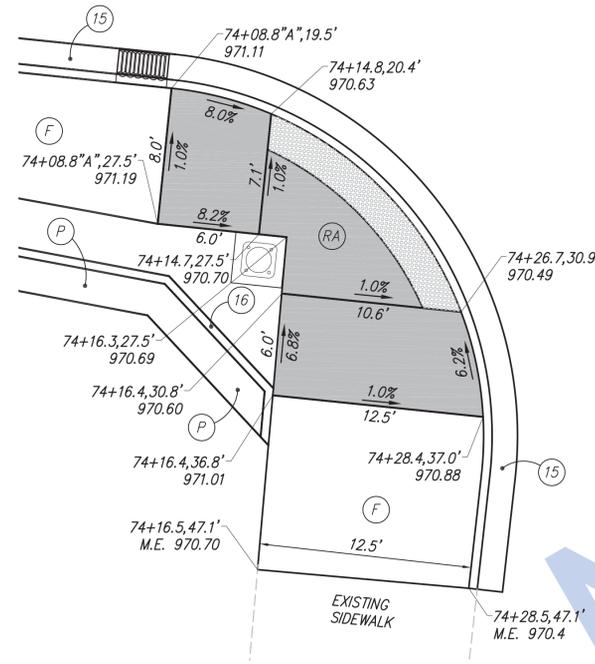
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	45 of 105
CONTRACT	PROJECT
R-30397	0013790



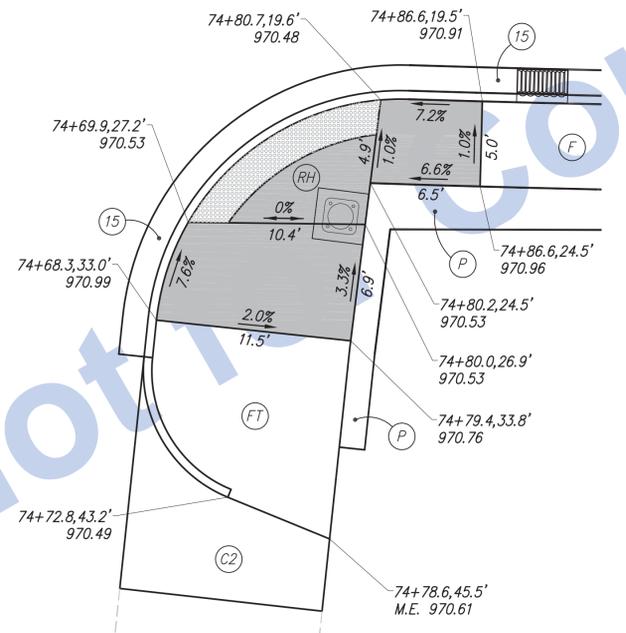
NW QUADRANT



NE QUADRANT



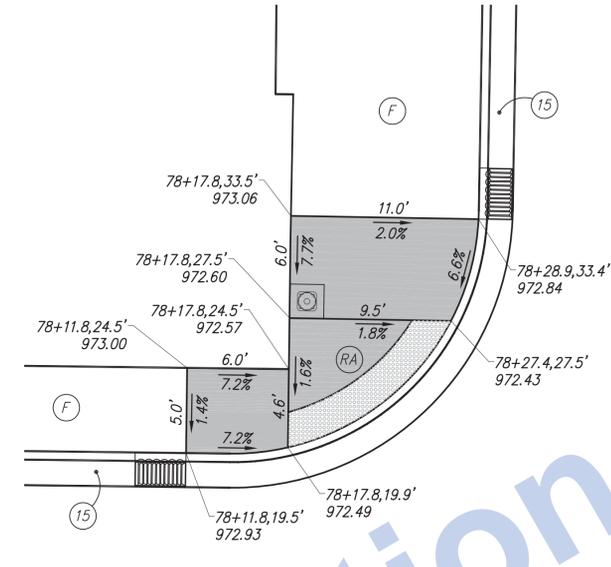
SW QUADRANT



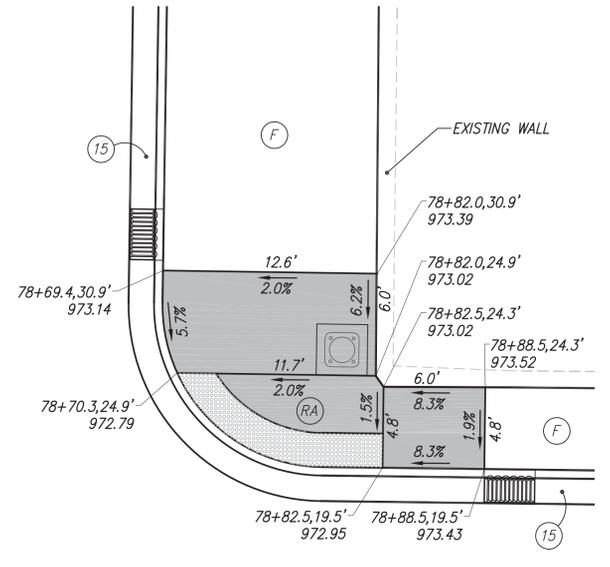
SE QUADRANT

SIDEWALK RAMPS AT S. 6TH STREET

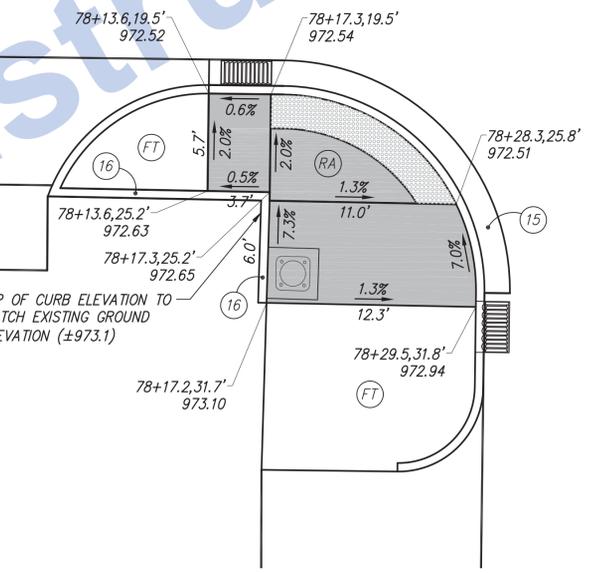
NOTE:
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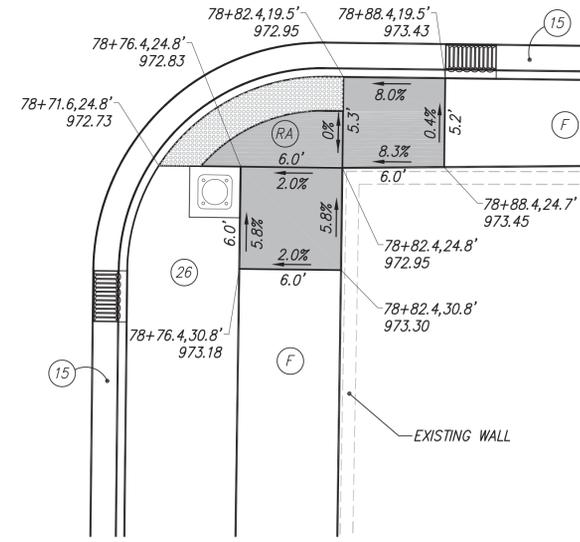
NW QUADRANT



NE QUADRANT



SW QUADRANT



SE QUADRANT

SIDEWALK RAMPS AT S. 7TH STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING AND SIGNING SHEETS.

FOR ADDITIONAL GRADE AND SPOT ELEVATION INFORMATION AT INTERSECTIONS. SEE THE INTERSECTION SPOT ELEVATION DETAIL SHEETS.

UNLESS OTHERWISE NOTED, TRANSITION CURB HEIGHTS FROM 0" ACROSS WIDTH OF TRUNCATED DOMES, TO FULL CURB HEIGHTS AT A RATE OF 12:1 (MAX.)

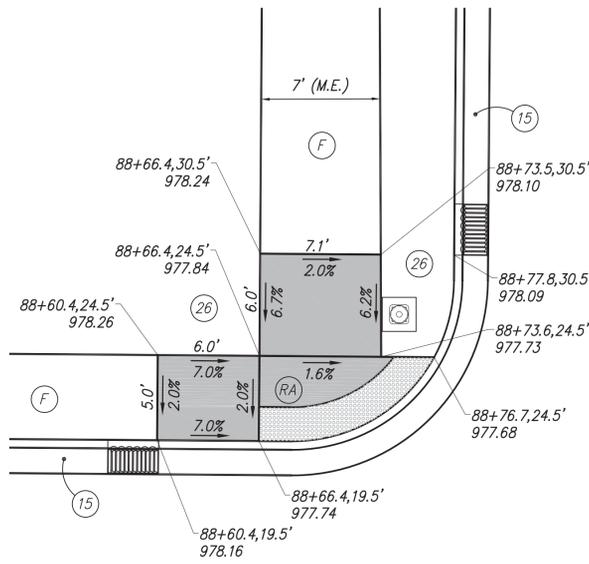
- LEGEND**
- (F) SIDEWALK, CONCRETE, 4"
 - (FT) SIDEWALK ELEVATION TRANSITION
 - (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
 - (RA) CONCRETE CURB RAMP
 - (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
 - (16) CONCRETE CURB
 - (26) SODDING (NURSERY) ON 4" TOPSOIL
 - [Pattern] DETECTABLE WARNING SURFACE
 - M.E. = MATCH EXISTING

Stage 3 Plans

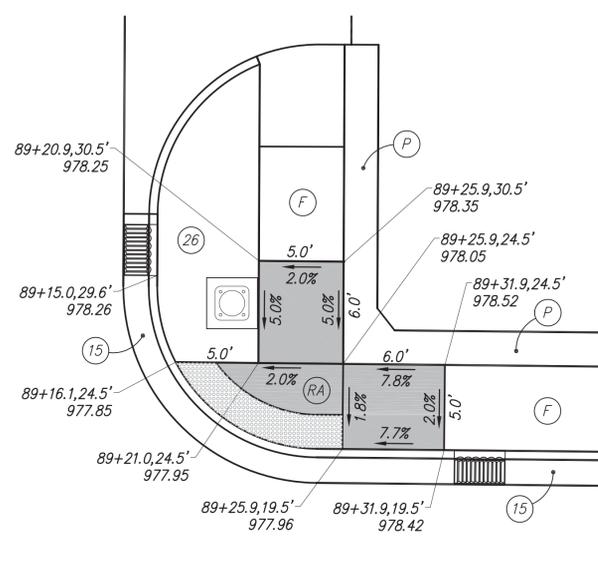
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
U.S. 40 (S. A ST.)
SIDEWALK RAMP DETAILS

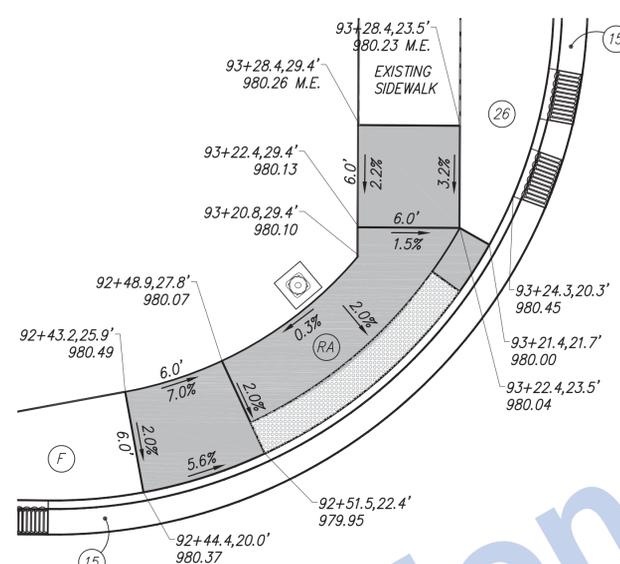
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	46 of 105
CONTRACT	PROJECT
R-30397	0013790



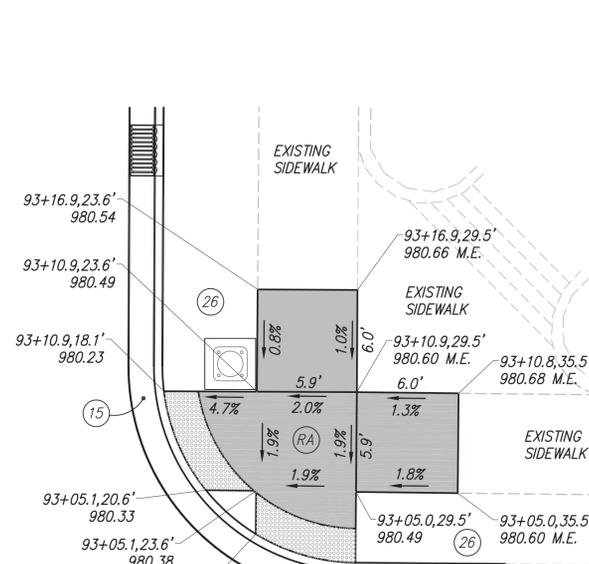
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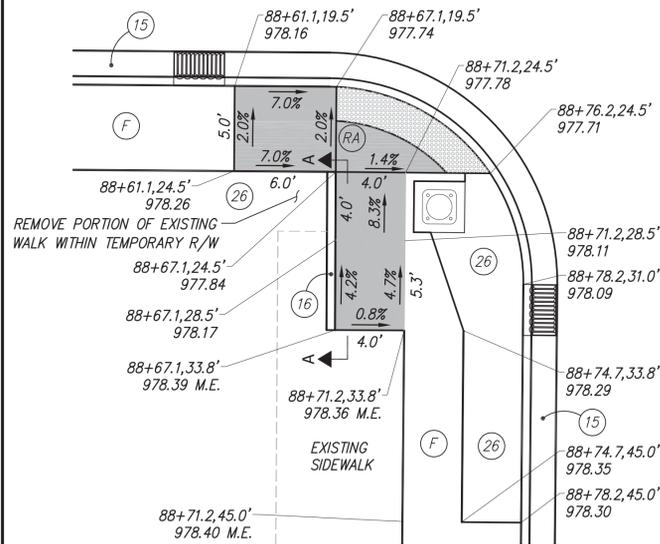
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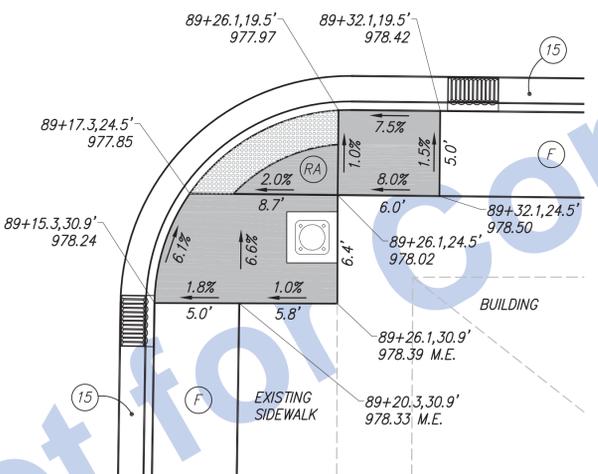
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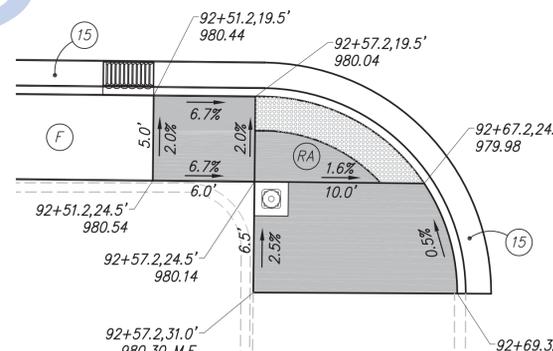
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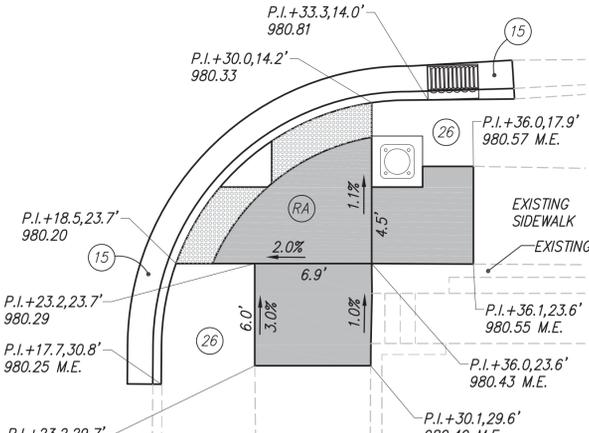
SW QUADRANT



SE QUADRANT



SW QUADRANT



SE QUADRANT

SIDEWALK RAMPS AT S. 11TH STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

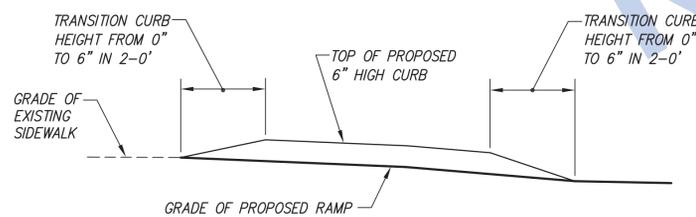
LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (FT) SIDEWALK ELEVATION TRANSITION
- (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
- (RA) CONCRETE CURB RAMP
- (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
- (16) CONCRETE CURB
- (26) SODDING (NURSERY) ON 4" TOPSOIL
- DETECTABLE WARNING SURFACE
- M.E. = MATCH EXISTING

FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING AND SIGNING SHEETS.

FOR ADDITIONAL GRADE AND SPOT ELEVATION INFORMATION AT INTERSECTIONS. SEE THE INTERSECTION SPOT ELEVATION DETAIL SHEETS.

UNLESS OTHERWISE NOTED, TRANSITION CURB HEIGHTS FROM 0" ACROSS WIDTH OF TRUNCATED DOMES, TO FULL CURB HEIGHTS AT A RATE OF 12:1 (MAX.)



SECTION A-A
Scale: 1" = 2'-0"

SIDEWALK RAMPS AT S. 10TH STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

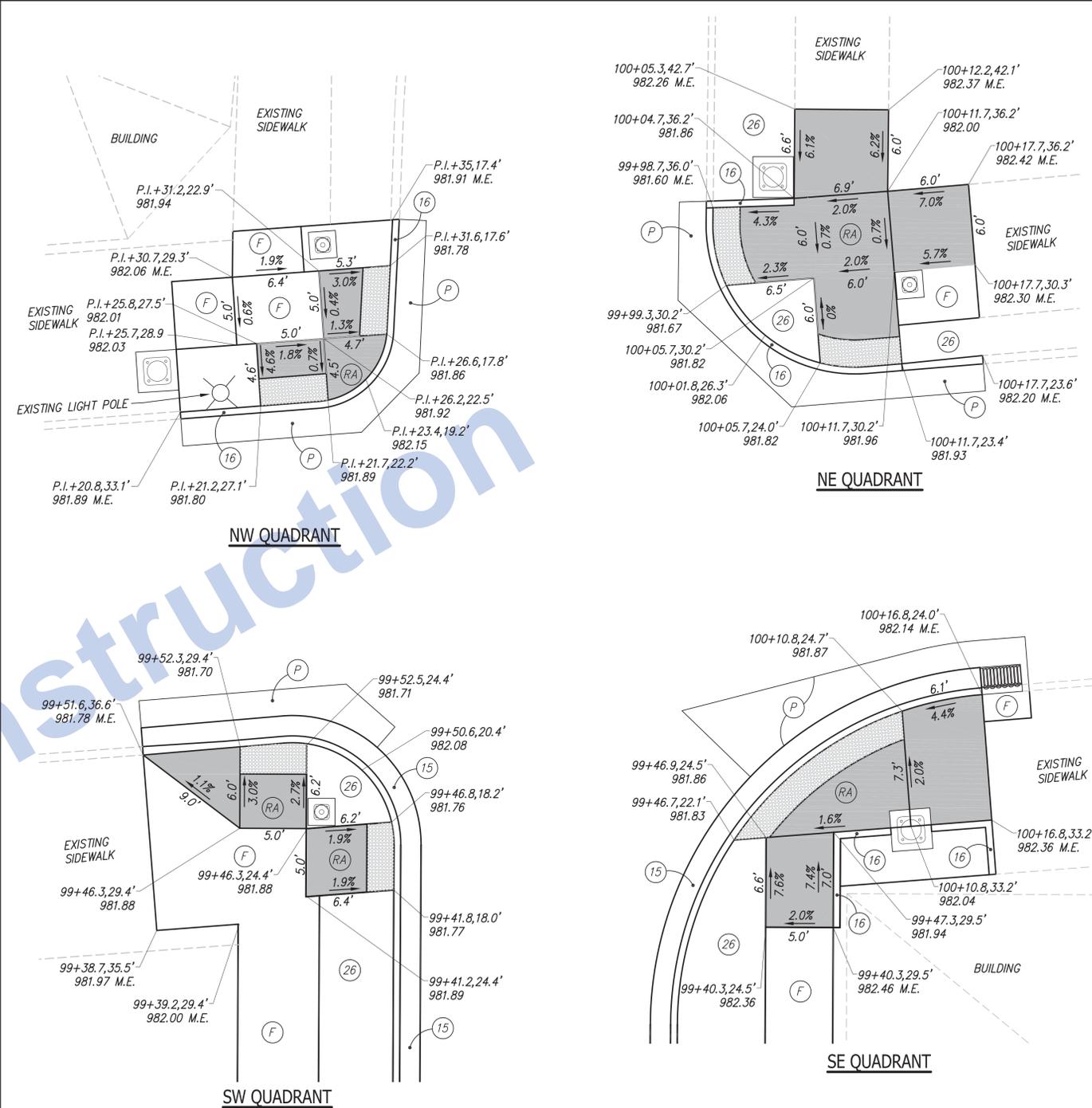
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION	
U.S. 40 (S. A ST.) SIDEWALK RAMP DETAILS	

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 47 of 105
CONTRACT R-30397	PROJECT 0013790

SIDEWALK RAMP SUMMARY AND QUANTITIES		
LOCATION (BY INTERSECTION AND QUADRANT)	CURB RAMP, CONCRETE (SYS.)	DETECTABLE WARNING SURFACES (SYS.)
S. A ST. and S. 2ND ST.		
NE QUAD.	9	1.5
SE QUAD.	6.5	1.2
SW QUAD.	5.5	1.5
NW QUAD.	11.5	2
S. A ST. and S. 3RD ST.		
NE QUAD.	10	1.2
SE QUAD.	19	3
SW QUAD.	11	1
NW QUAD.	16.5	1.2
S. A ST. and S. 4TH ST.		
NE QUAD.	9	1.5
SE QUAD.	7	1.5
SW QUAD.	9	1.5
NW QUAD.	9	1.5
S. A ST. and S. 5TH ST.		
NE QUAD.	13.5	3
SE QUAD.	12.5	2.5
SW QUAD.		
WEST RAMP	8	1.5
EAST RAMP	8	1.5
NW QUAD.	19	3.5
S. A ST. and S. 6TH ST.		
NE QUAD.	23	3
SE QUAD.	18	3
SW QUAD.	22	3.5
NW QUAD.	15.5	2.5
S. A ST. and S. 7TH ST.		
NE QUAD.	18	3
SE QUAD.	12.5	2.5
SW QUAD.	17	3
NW QUAD.	16	2.5
S. A ST. and S. 10TH ST.		
NE QUAD.	11	2.5
SE QUAD.	14	2
SW QUAD.	12	2
NW QUAD.	13	3
S. A ST. and S. 11TH ST.		
NE QUAD.	18	3
SE QUAD.	17	3
SW QUAD.	16	2.5
NW QUAD.	20	3.5
MAIN ST. and S. 11TH ST.		
NE QUAD.	22	3
SE QUAD.	20	3.5
SW QUAD.		
WEST RAMP	6	1.5
EAST RAMP	4	1.5
NW QUAD.	7	3
TOTALS	506.0	87.6



SIDEWALK RAMPS AT S. 11TH STREET AND MAIN STREET

NOTE:
ALL POINTS DESCRIBED FROM LINE "A"

FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING AND SIGNING SHEETS.
FOR ADDITIONAL GRADE AND SPOT ELEVATION INFORMATION AT INTERSECTIONS, SEE THE INTERSECTION SPOT ELEVATION DETAIL SHEETS.
UNLESS OTHERWISE NOTED, TRANSITION CURB HEIGHTS FROM 0" ACROSS WIDTH OF TRUNCATED DOMES, TO FULL CURB HEIGHTS AT A RATE OF 12:1 (MAX.)

- LEGEND**
- (F) SIDEWALK, CONCRETE, 4"
 - (FT) SIDEWALK ELEVATION TRANSITION
 - (P) 1320#/SYD. HMA FOR PATCHING, TYPE C
 - (RA) CONCRETE CURB RAMP
 - (15) COMBINED CONCRETE CURB AND GUTTER, MODIFIED
 - (16) CONCRETE CURB
 - (26) SODDING (NURSERY) ON 4" TOPSOIL
 - [Pattern] DETECTABLE WARNING SURFACE
 - M.E. = MATCH EXISTING

Stage 3 Plans

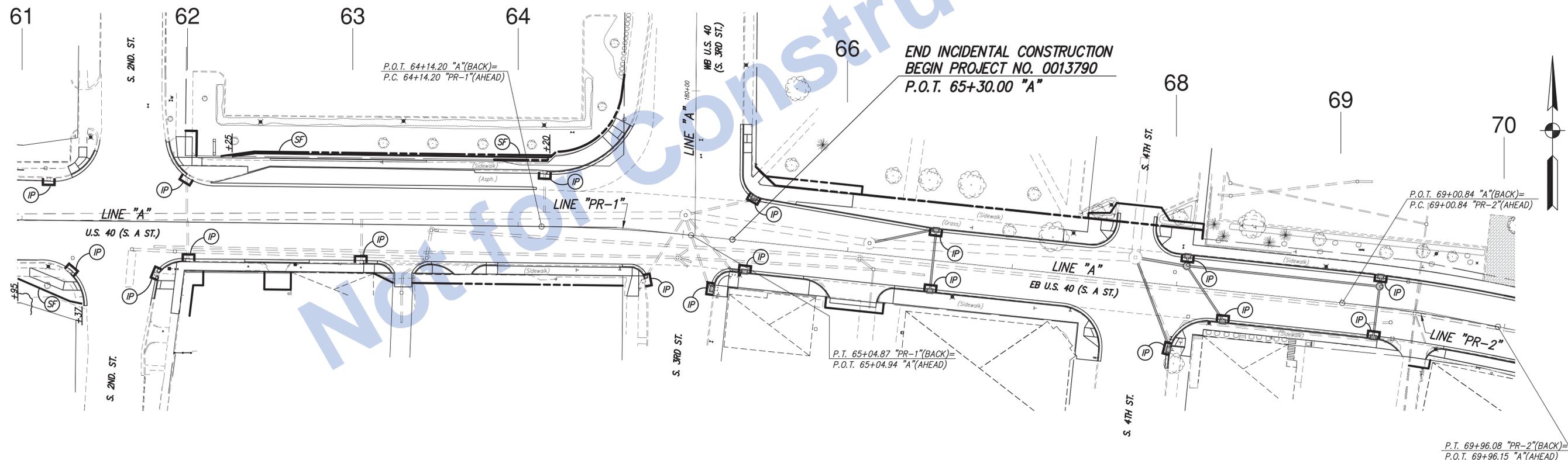
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION
U.S. 40 (S. A ST.)
SIDEWALK RAMP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	48 of 105
CONTRACT	PROJECT
R-30397	0013790

BEGIN INCIDENTAL CONSTRUCTION
 P.O.C. 56+31 "A"
 (END OF BRIDGE APPROACH)

LEGEND
 IP TEMPORARY (CURB) INLET PROTECTION
 SF TEMPORARY SILT FENCE



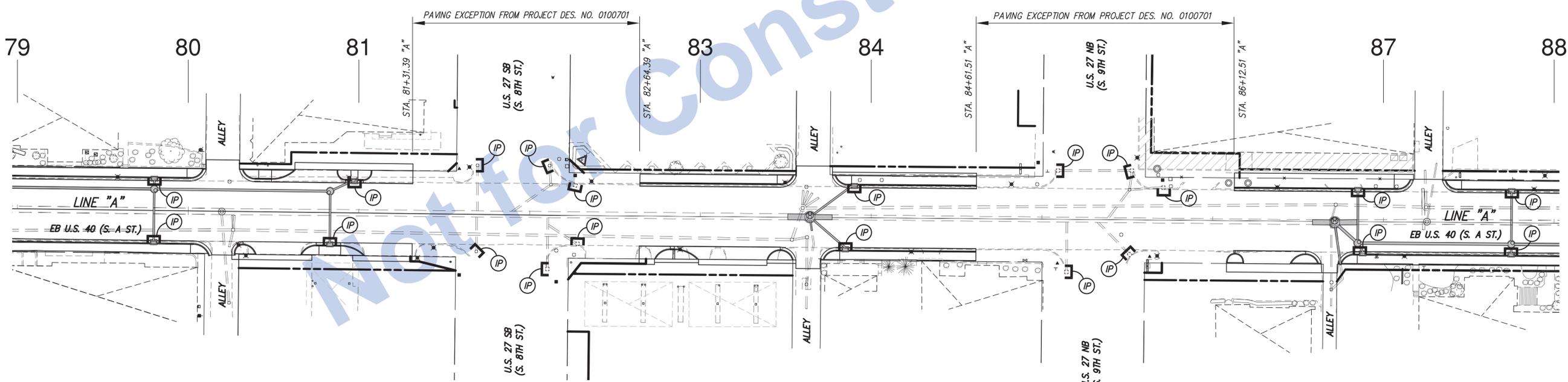
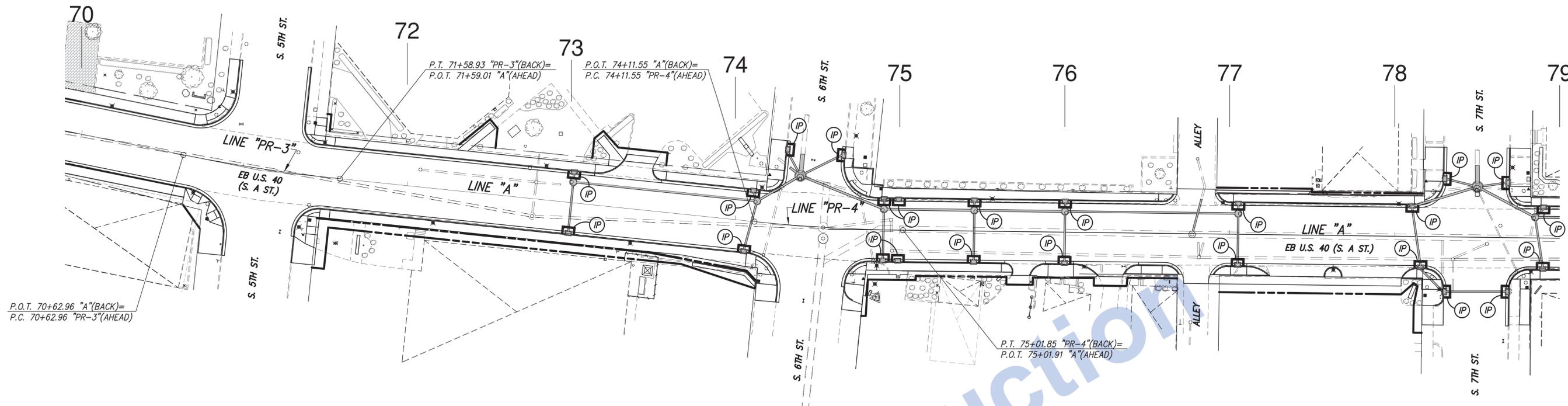
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 Eastbound U.S. 40 (S. A St.)
 Erosion and Sediment Control - Sheet 1

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 49 of 105
CONTRACT R-30397	PROJECT 0013790

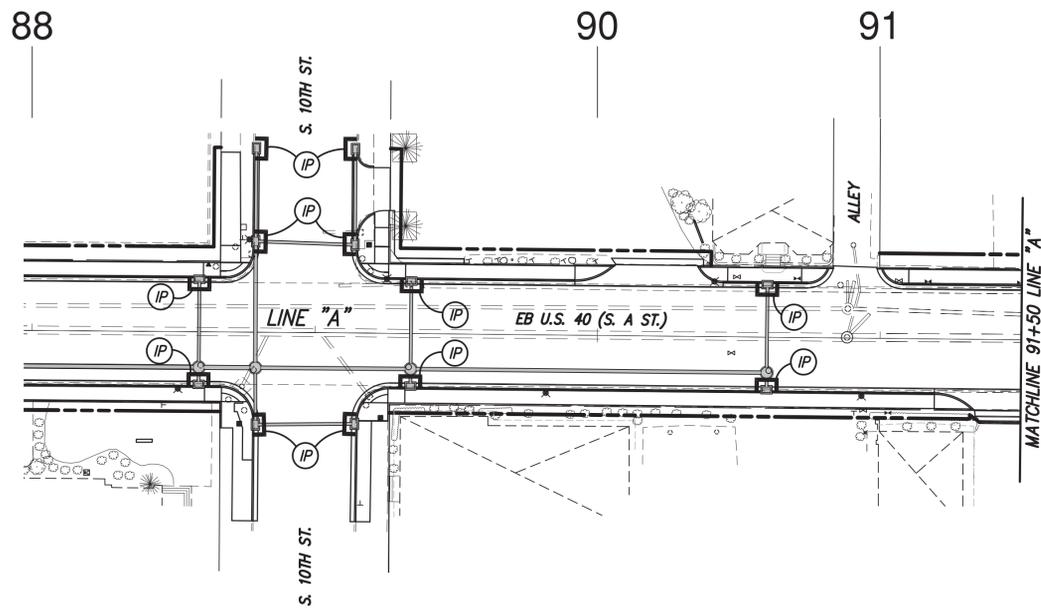
2/1/00 INDI00108-147 US 40 In Downtown Richmond Road Design Road Plan Sheets/06a Erosion Control/08-147 US 40 Erosion Control.dwg, Plan Sheet 1, 8/24/2016 2:00:08 PM, 1:30



- LEGEND**
- TEMPORARY (CURB) INLET PROTECTION
 - TEMPORARY SILT FENCE

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B.	CHECKED: J.L.B.		SURVEY BOOK 17327	SHEETS 50 of 105
	Eastbound U.S. 40 (S. A St.) Erosion and Sediment Control - Sheet 2			CONTRACT R-30397	PROJECT 0013790

J:\100 INDIAN\08-147 US 40 in Downtown Richmond\Road Design\Road Plan Sheets\06a Erosion Control\08-147 US 40 Erosion Control.dwg, Plan Sheet 2, 8/24/2016 2:00:43 PM, 1:30



TEMPORARY EROSION CONTROL NOTES

1. LOCATIONS FOR TEMPORARY SEED ARE NOT SHOWN ON THE PLANS. THE ESTIMATED QUANTITIES ARE SHOWN ABOVE.
2. CONTRACTOR TO DETERMINE SUITABLE LOCATIONS FOR CONSTRUCTION ENTRANCES.

TEMPORARY SILT FENCE NOTES

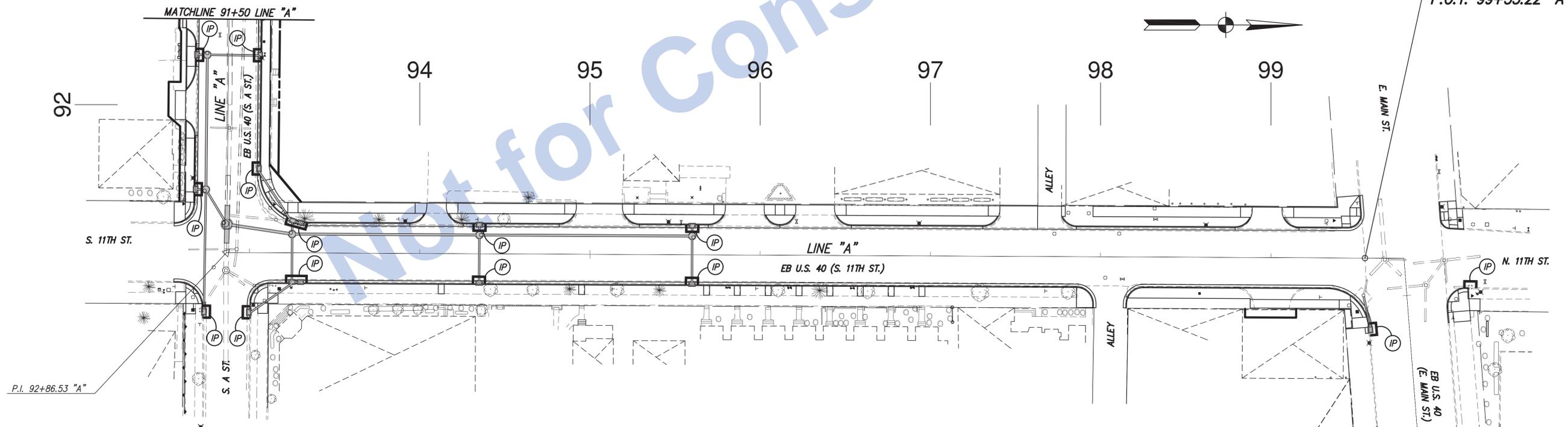
1. TEMPORARY SILT FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AS SHOWN ON THE PLANS AND IN LOCATIONS IDENTIFIED IN THE FIELD AS SUSCEPTIBLE TO OVERLAND TRANSPORT OF ERODED SEDIMENT.
2. SILT FENCES SHALL BE INSTALLED AS DETAILED AND IN ACCORDANCE WITH THE STANDARD DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. SILT FENCES SHALL BE MONITORED TO MAINTAIN PROPER OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
4. THE CONTRACTOR SHALL REPAIR OR REPLACE SILT FENCES WHEN NECESSARY TO ENSURE THEIR PROPER FUNCTION.
5. UPON COMPLETION OF CONSTRUCTION, ALL SILT FENCES AND THEIR COMPONENT PARTS SHALL BE REMOVED AND DISPOSED OF PROPERLY. UPON SILT FENCE REMOVAL, ALL DISTURBED AREAS SHALL BE RESTORED BY GRADING AND PLACEMENT OF NURSERY SODDING OR MULCHED SEEDING.

TEMPORARY EROSION AND SEDIMENT CONTROL SUMMARY OF QUANTITIES	
ITEM	QUANTITY
TEMPORARY INLET PROTECTION	101 EACH
TEMPORARY SILT FENCE	250 LFT.
TEMPORARY SEEDING (150 lbs/acre) @ (1.2 acres±)	180 LBS
FERTILIZER (800 lbs/acre) @ (1.2 acres±)	0.48 TONS
TEMPORARY MULCHING (2 tons/acre) @ (1.2 acres±)	1.7 TONS
MOBILIZATION AND DEMOBILIZATION FOR SURFACE STABILIZATION (FOR TWO CONSTRUCTION SEASONS)	2 EACH
SEDIMENT, REMOVE	10 CYS.
CONSTRUCTION ENTRANCE NO. 2 STONE GEOTEXTILES	160 TONS 250 SYS.

PERMANENT EROSION AND SEDIMENT CONTROL SUMMARY OF QUANTITIES	
ITEM	QUANTITY
SODDING, NURSERY (ON 4" TOPSOIL)	2000 SYS.
TOPSOIL (4" DEPTH)	250 CYS.
WATER (0.004 KGAL/SYD.) X (2000 SYS.) X (10 WATERINGS)	80 KGAL

LEGEND

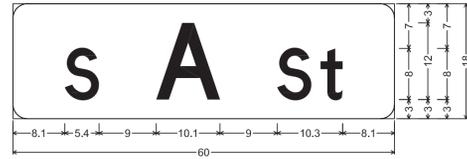
- TEMPORARY (CURB) INLET PROTECTION
- TEMPORARY SILT FENCE



END PROJECT NO. 0013790
P.O.T. 99+55.22 "A"

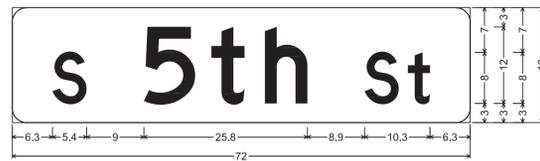
Stage 3 Plans	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION Eastbound U.S. 40 (S. A St. and S. 11th St.) Erosion and Sediment Control - Sheet 3	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
	DESIGNED: J.P.H. DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B. CHECKED: J.L.B.		SURVEY BOOK 17327	SHEETS 51 of 105
			CONTRACT R-30397	PROJECT 0013790

21:00 INDI008-47 US 40 In Downtown Richmond Road Plan Sheets(06) Erosion Control(08-17 US 40 Erosion Control)ing, Plan Sheet 3, 8/24/2016 2:01:15 PM, 1:30



D3-1 (1)
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 Background: Green
 [S] White D;
 [A] White D;
 [St] White D;

D3-1 (1)

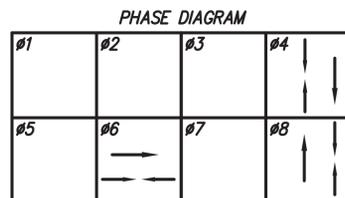


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 [A] White D;
 [St] White D;

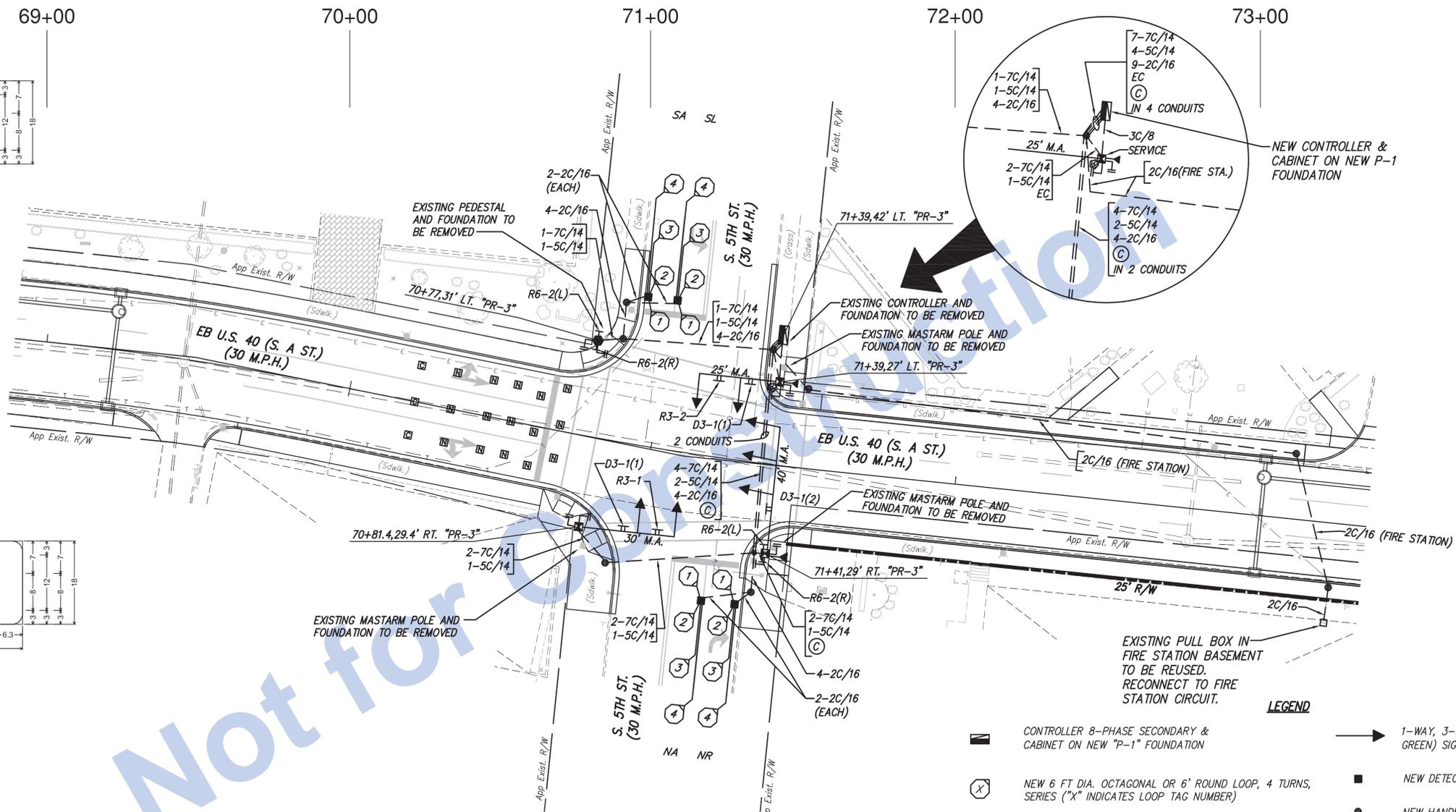
D3-1 (2)

LOOP TAGGING TABLE	
LANES	TAG NUMBER
NA	NAB-1*
NR	NRB-1*
SL	SL4-1*
SA	SA4-1*
NA	NAB-2,3,4
NR	NRB-2,3,4
SL	SL4-2,3,4
SA	SA4-2,3,4

* DENOTES A COUNTING DETECTOR, WHICH REQUIRES A SEPARATE 2C/16 LEAD-IN WIRE.



NO PREFERENTIAL
 ALL FLASH RED



SIGN CODES

- R6-2(R)
24" X 30"
ONE WAY RT.
- R6-2(L)
24" X 30"
ONE WAY LT.
- R3-1
24" X 24"
NO RIGHT TURN SYM.
- R3-2
24" X 24"
NO LEFT TURN SYM.
- D3-1(X)
SEE DETAIL THIS SHEET

LEGEND

- CONTROLLER 8-PHASE SECONDARY & CABINET ON NEW "P-1" FOUNDATION
- NEW 6 FT DIA. OCTAGONAL OR 6" ROUND LOOP, 4 TURNS, SERIES ("X" INDICATES LOOP TAG NUMBER)
- EXISTING CONDUIT
- NEW 2 IN. GALVANIZED STEEL CONDUIT FOR SIGNALS
- PEDESTRIAN INDICATIONS APS PUSH BUTTON & R10-3e (R OR L), CROSSWALK SIGN
- SIGNAL MAST ARM
- RECEIVER PROCESSOR ON SIGNAL STRUCTURE
- ETHERNET CABLE
- NON-COUNTING WIRELESS VEHICLE DETECTOR
- COUNTING WIRELESS VEHICLE DETECTOR
- 1-WAY, 3-SECTION (12 IN. RED, AMBER, GREEN) SIGNAL INDICATION
- NEW DETECTOR HOUSING
- NEW HANDHOLE TYPE 1
- POLE MOUNTED SIGNS
- MAST ARM MOUNTED SIGNS
- 10 FT. PEDESTAL ON "A" FOUNDATION
- YAGI ANTENNA
- COAXIAL CABLE FOR RADIO INTERCONNECT

NOTES:

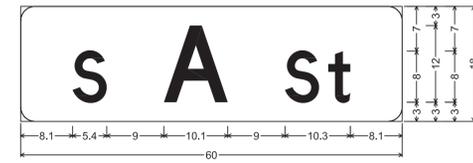
1. ALL EXISTING SIGNAL POLES, FOUNDATIONS, HANDHOLES AND CONDUIT TO BE REMOVED.
2. SEE ROAD PLANS FOR INTERSECTION DETAILS AND PAVEMENT MARKINGS.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
	DESIGNED: T.F.S. DRAWN: G.S.H.	TRAFFIC SIGNAL MODERNIZATION S. A ST. and S. 5th ST.	VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: D.W.C. CHECKED: T.F.S.		SURVEY BOOK 17327	SHEETS 52 of 105
			CONTRACT R-30397	PROJECT 0013790

COMMISSION NUMBER 01-089-018

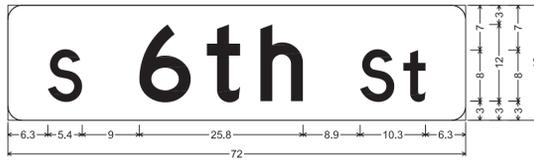
Not for Construction

21:00 INDI008-147 US 40 In Downtown Richmond Road Design Road Plan Sheets 07 Traffic Signals and Interconnect PRECAST 08-147 US 40 Traffic Signals - Copy.dwg, S. A ST. and 5th, 8/24/2016 2:04:38 PM, 1:20



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 [A] White D;
 [S] White D;

D3-1 (1)

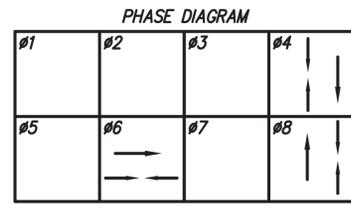


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 [S] White D;

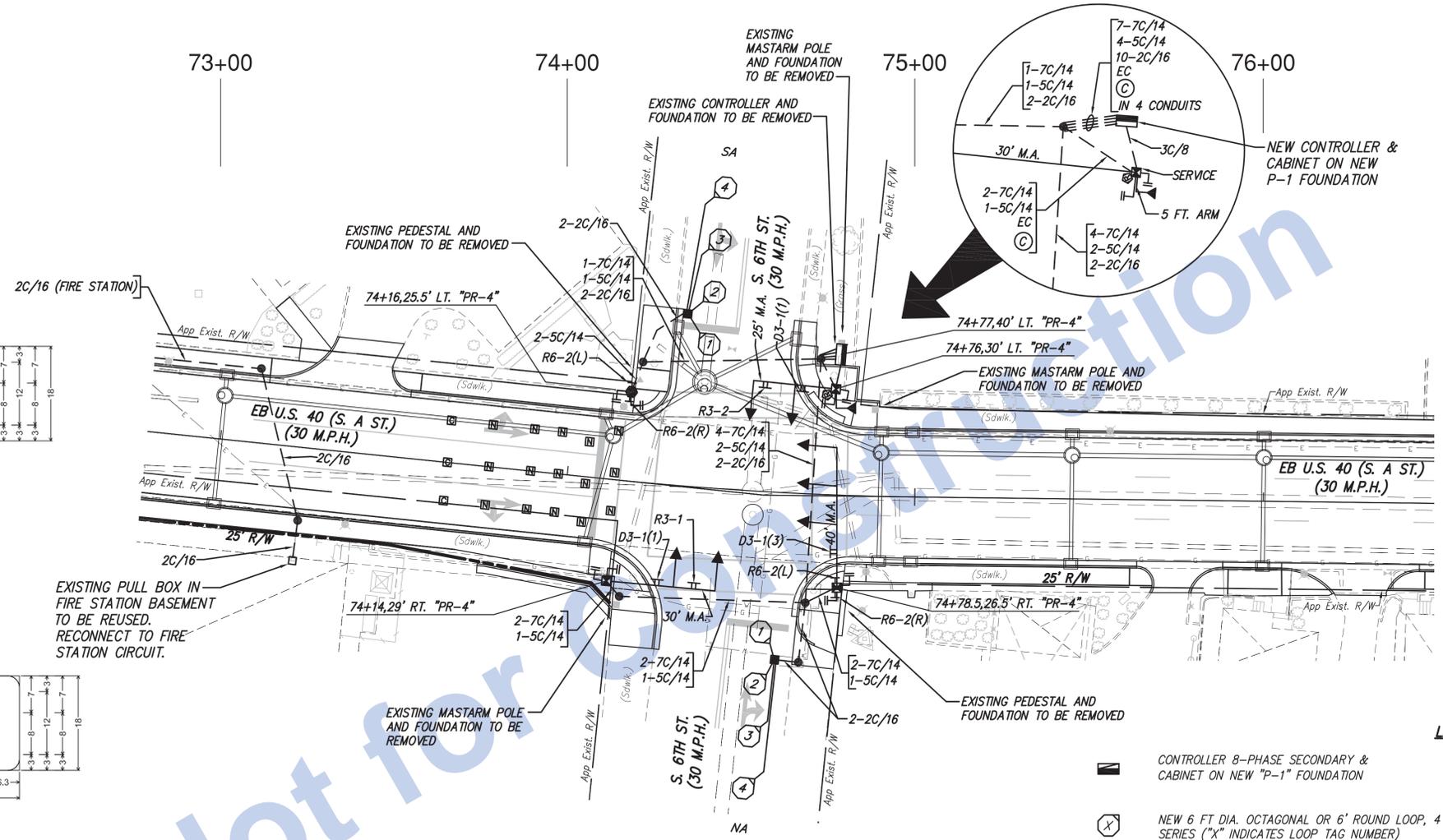
D3-1 (3)

LOOP TAGGING TABLE	
LANES	TAG NUMBER
NA	NA8-1*
SA	SA4-1*
NA	NA8-2,3,4
SA	SA4-2,3,4

* DENOTES A COUNTING DETECTOR, WHICH REQUIRES A SEPARATE 2C/16 LEAD-IN WIRE.



NO PREFERENTIAL
 ALL FLASH RED



SIGN CODES

- R6-2(R)
24" X 30"
ONE WAY RT.
- R6-2(L)
24" X 30"
ONE WAY LT.
- R3-1
24" X 24"
NO RIGHT TURN SYM.
- R3-2
24" X 24"
NO LEFT TURN SYM.
- D3-1(X)
SEE DETAIL THIS SHEET

LEGEND

- CONTROLLER 8-PHASE SECONDARY & CABINET ON NEW "P-1" FOUNDATION
- NEW DETECTOR HOUSING
- NEW HANDHOLE TYPE 1
- POLE MOUNTED SIGNS
- MAST ARM MOUNTED SIGNS
- 10 FT. PEDESTAL ON "A" FOUNDATION
- YAGI ANTENNA WITH 5 FT. HORIZONTAL EXTENSION
- COAXIAL CABLE FOR RADIO INTERCONNECT
- 1-WAY, 3-SECTION (12 IN. RED, AMBER, GREEN) SIGNAL INDICATION
- NEW 6 FT DIA. OCTAGONAL OR 6' ROUND LOOP, 4 TURNS, SERIES ("X" INDICATES LOOP TAG NUMBER)
- EXISTING CONDUIT
- NEW 2 IN. GALVANIZED STEEL CONDUIT FOR SIGNALS
- PEDESTRIAN INDICATIONS APS, PUSH BUTTON & R10-3e (R OR L), CROSSWALK SIGN
- SIGNAL MAST ARM
- RECEIVER PROCESSOR ON SIGNAL STRUCTURE
- ETHERNET CABLE
- NON-COUNTING WIRELESS VEHICLE DETECTOR
- COUNTING WIRELESS VEHICLE DETECTOR

NOTES:

1. ALL EXISTING SIGNAL POLES, FOUNDATIONS, HANDHOLES AND CONDUIT TO BE REMOVED.
2. SEE ROAD PLANS FOR INTERSECTION DETAILS AND PAVEMENT MARKINGS.

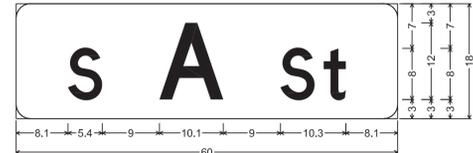
COMMISSION NUMBER 01-089-053

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: T.F.S.	DRAWN: G.S.H.	
CHECKED: D.W.C.	CHECKED: T.F.S.	

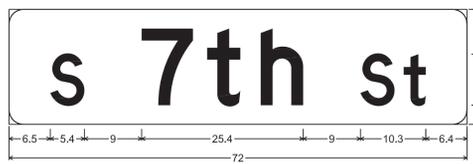
INDIANA DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL MODERNIZATION
 S. A ST. and S. 6th ST.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	53 of 105
CONTRACT	PROJECT
R-30397	0013790



D3-1 (1)
 Radius: 2.3"
 Border: None
 Background: Green
 [S] White D;
 [A] White D;
 [SI] White D;

D3-1 (1)

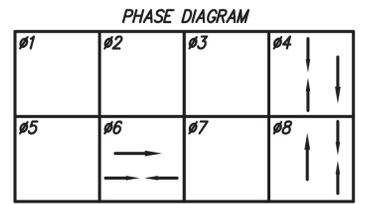


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 [A] White D;
 [SI] White D;

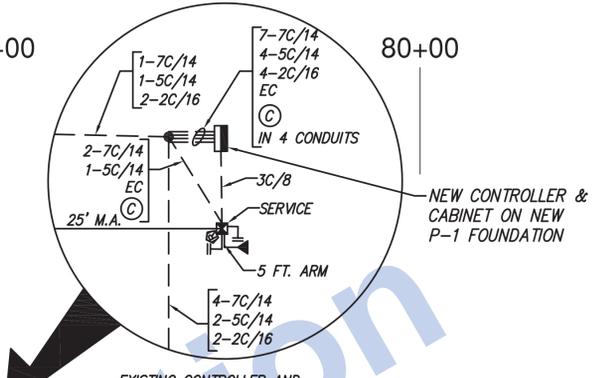
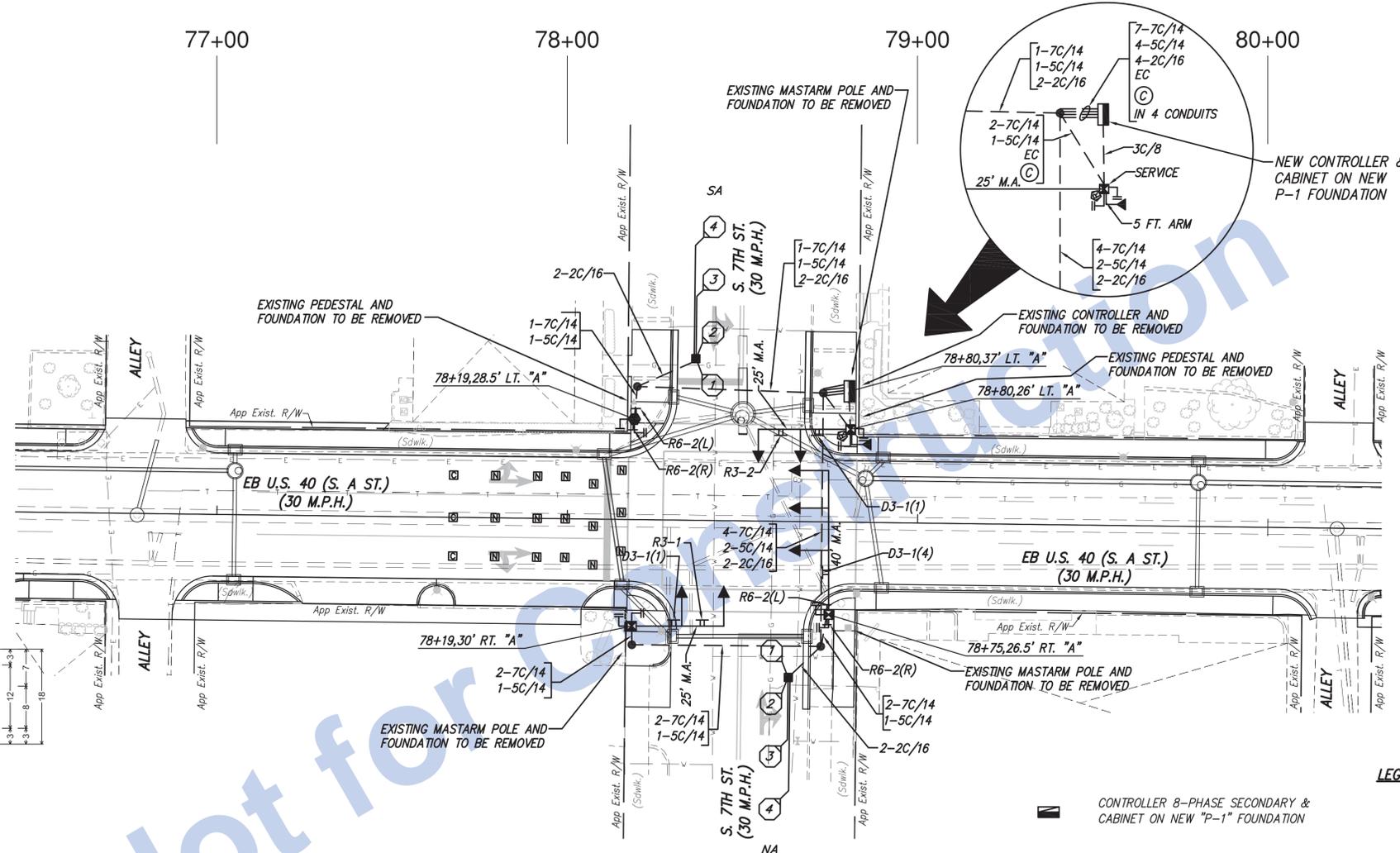
D3-1 (4)

LOOP TAGGING TABLE	
LANES	TAG NUMBER
NA	NA8-1*
SA	SA4-1*
NA	NA8-2,3,4
SA	SA4-2,3,4

* DENOTES A COUNTING DETECTOR, WHICH REQUIRES A SEPARATE 2C/16 LEAD-IN WIRE.



NO PREFERENTIAL
 ALL FLASH RED



- SIGN CODES**
- R6-2(R)
24" X 30"
ONE WAY RT.
 - R6-2(L)
24" X 30"
ONE WAY LT.
 - R3-1
24" X 24"
NO RIGHT TURN SYM.
 - R3-2
24" X 24"
NO LEFT TURN SYM.
 - D3-1(X)
SEE DETAIL THIS SHEET

- LEGEND**
- CONTROLLER 8-PHASE SECONDARY & CABINET ON NEW "P-1" FOUNDATION
 - NEW 6 FT DIA. OCTAGONAL OR 6' ROUND LOOP, 4 TURNS, SERIES ("X" INDICATES LOOP TAG NUMBER)
 - EXISTING CONDUIT
 - NEW 2 IN. GALVANIZED STEEL CONDUIT FOR SIGNALS
 - PEDESTRIAN INDICATIONS APS PUSH BUTTON & R10-3e (R OR L), CROSSWALK SIGN
 - SIGNAL MAST ARM
 - RECEIVER PROCESSOR ON SIGNAL STRUCTURE
 - ETHERNET CABLE
 - NON-COUNTING WIRELESS VEHICLE DETECTOR
 - COUNTING WIRELESS VEHICLE DETECTOR
 - 1-WAY, 3-SECTION (12 IN. RED, AMBER, GREEN) SIGNAL INDICATION
 - NEW DETECTOR HOUSING
 - NEW HANDHOLE TYPE 1
 - POLE MOUNTED SIGNS
 - MAST ARM MOUNTED SIGNS
 - 10 FT. PEDESTAL ON "A" FOUNDATION
 - YAGI ANTENNA WITH 5 FT. HORIZONTAL EXTENSION
 - COAXIAL CABLE FOR RADIO INTERCONNECT

- NOTES:**
- ALL EXISTING SIGNAL POLES, FOUNDATIONS, HANDHOLES AND CONDUIT TO BE REMOVED.
 - SEE ROAD PLANS FOR INTERSECTION DETAILS AND PAVEMENT MARKINGS.

COMMISSION NUMBER 01-089-054

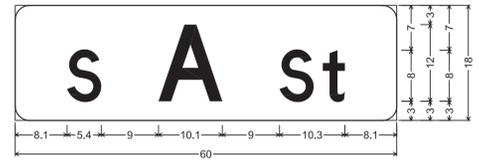
Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
	DESIGNED: T.F.S.	DRAWN: G.S.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: D.W.C.	CHECKED: T.F.S.	TRAFFIC SIGNAL MODERNIZATION S. A ST. and S. 7th ST.	SURVEY BOOK 17327	SHEETS 54 of 105
				CONTRACT R-30397	PROJECT 0013790



87+00

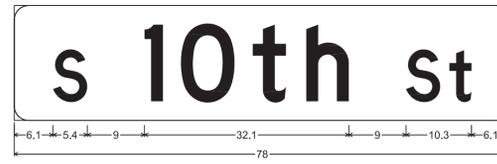
89+00

90+00



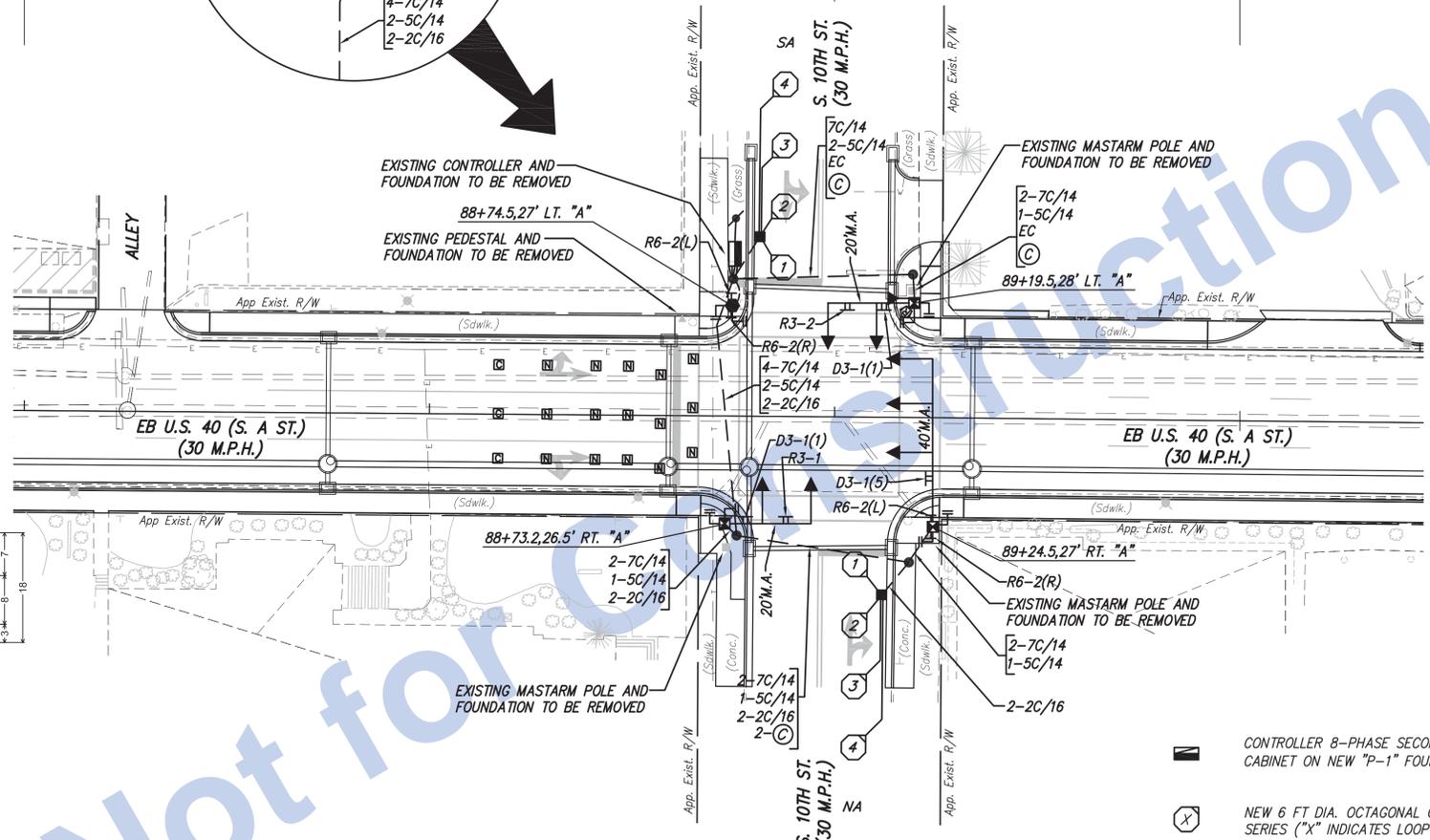
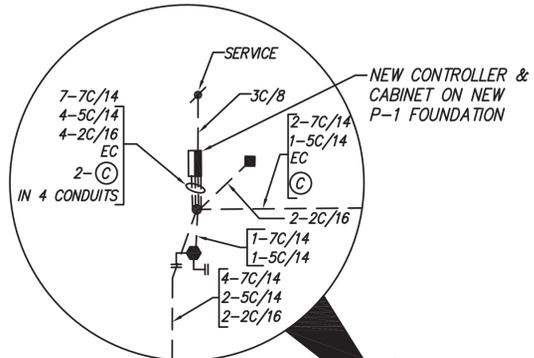
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Background: Green
[S] White D;
[A] White D;
[St] White D;

D3-1 (1)



D3-1 (5)
Radius: 2.3"
Border: None
Background: Green
[S] White D;
[A] White D;
[St] White D;

D3-1 (5)



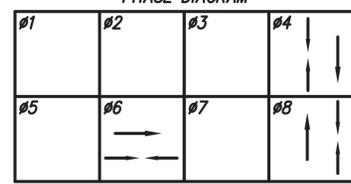
SIGN CODES

- R6-2(R)
24" X 30"
ONE WAY RT.
- R6-2(L)
24" X 30"
ONE WAY LT.
- R3-1
24" X 24"
NO RIGHT TURN SYM.
- R3-2
24" X 24"
NO LEFT TURN SYM.
- D3-1(X)
SEE DETAIL THIS SHEET

LEGEND

- CONTROLLER 8-PHASE SECONDARY & CABINET ON NEW "P-1" FOUNDATION
- NEW 6 FT DIA. OCTAGONAL OR 6' ROUND LOOP, 4 TURNS, SERIES ("X" INDICATES LOOP TAG NUMBER)
- EXISTING CONDUIT
- NEW 2 IN. GALVANIZED STEEL CONDUIT FOR SIGNALS
- PEDESTRIAN INDICATIONS APS, PUSH BUTTON & R10-3e (R OR L), CROSSWALK SIGN
- SIGNAL MAST ARM
- RECEIVER PROCESSOR ON SIGNAL STRUCTURE
- ETHERNET CABLE
- NON-COUNTING WIRELESS VEHICLE DETECTOR
- COUNTING WIRELESS VEHICLE DETECTOR
- 1-WAY, 3-SECTION (12 IN. RED, AMBER, GREEN) SIGNAL INDICATION
- NEW DETECTOR HOUSING
- NEW HANDHOLE TYPE 1
- POLE MOUNTED SIGNS
- MAST ARM MOUNTED SIGNS
- 10 FT. PEDESTAL ON "A" FOUNDATION
- YAGI ANTENNA
- COAXIAL CABLE FOR RADIO INTERCONNECT

PHASE DIAGRAM



NO PREFERENTIAL
ALL FLASH RED

LOOP TAGGING TABLE	
LANES	TAG NUMBER
NA	NAB-1*
SA	SA4-1*
NA	NAB-2,3,4
SA	SA4-2,3,4

* DENOTES A COUNTING DETECTOR, WHICH REQUIRES A SEPARATE 2C/16 LEAD-IN WIRE.

NOTES:

- ALL EXISTING SIGNAL POLES, FOUNDATIONS, HANDHOLES AND CONDUIT TO BE REMOVED.
- SEE ROAD PLANS FOR INTERSECTION DETAILS AND PAVEMENT MARKINGS.

COMMISSION NUMBER 01-089-055

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: T.F.S.	DRAWN: G.S.H.	
CHECKED: D.W.C.	CHECKED: T.F.S.	

INDIANA
DEPARTMENT OF TRANSPORTATION

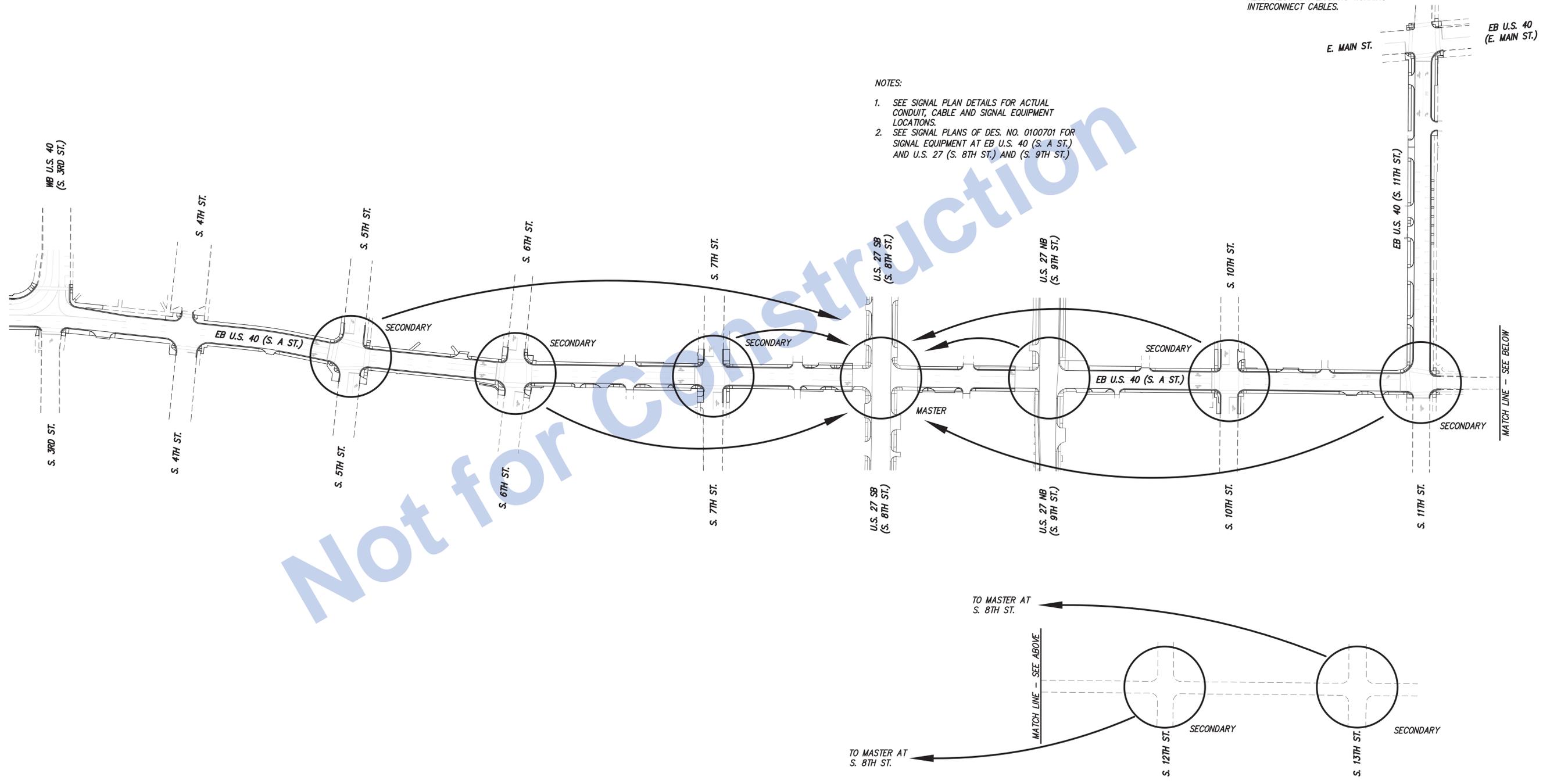
TRAFFIC SIGNAL MODERNIZATION
S. A ST. and S. 10th ST.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	55 of 105
CONTRACT	PROJECT
R-30397	0013790



INSTALL EXISTING RADIO INTERCONNECT SYSTEM IN NEW CONTROLLER.
 RECONNECT ANY EXISTING WORKING INTERCONNECT CABLES.

- NOTES:
- SEE SIGNAL PLAN DETAILS FOR ACTUAL CONDUIT, CABLE AND SIGNAL EQUIPMENT LOCATIONS.
 - SEE SIGNAL PLANS OF DES. NO. 0100701 FOR SIGNAL EQUIPMENT AT EB U.S. 40 (S. A ST.) AND U.S. 27 (S. 8TH ST.) AND (S. 9TH ST.)



Not for Construction

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: T.F.S.	DRAWN: J.P.H.	
CHECKED: D.W.C.	CHECKED: T.F.S.	

INDIANA
 DEPARTMENT OF TRANSPORTATION

Eastbound U.S. 40 (S. A St.)
 Interconnect Modernization Details

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	58 of 105
CONTRACT	PROJECT
R-30397	0013790

**BEGIN INCIDENTAL CONSTRUCTION
P.O.C. 56+31 "A"
(END OF BRIDGE APPROACH)**

56

57

58

59

60

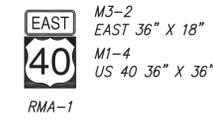
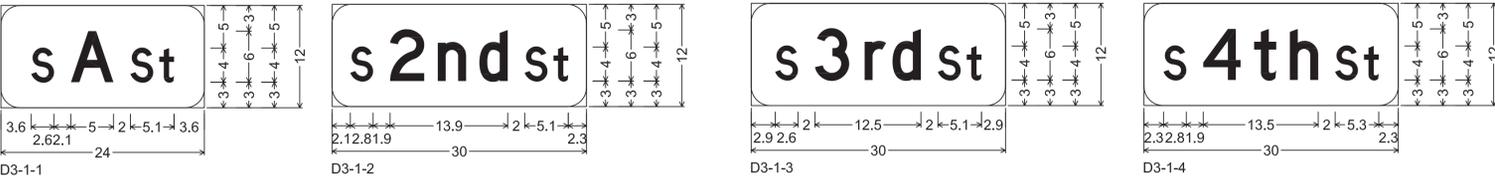
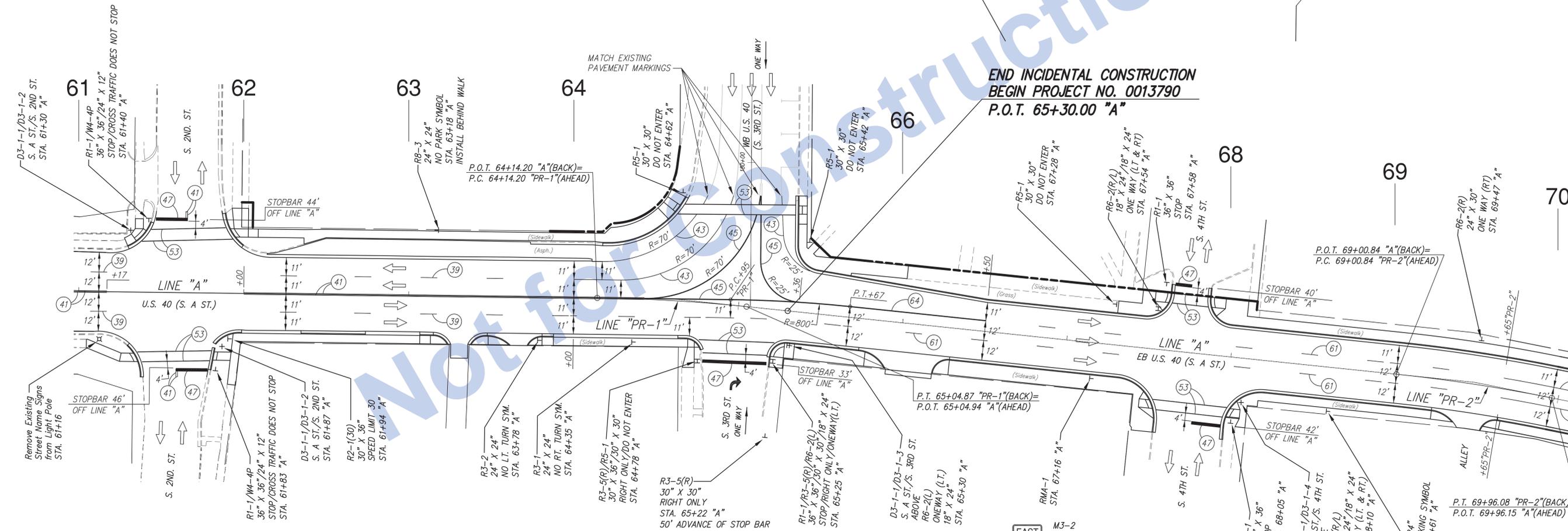
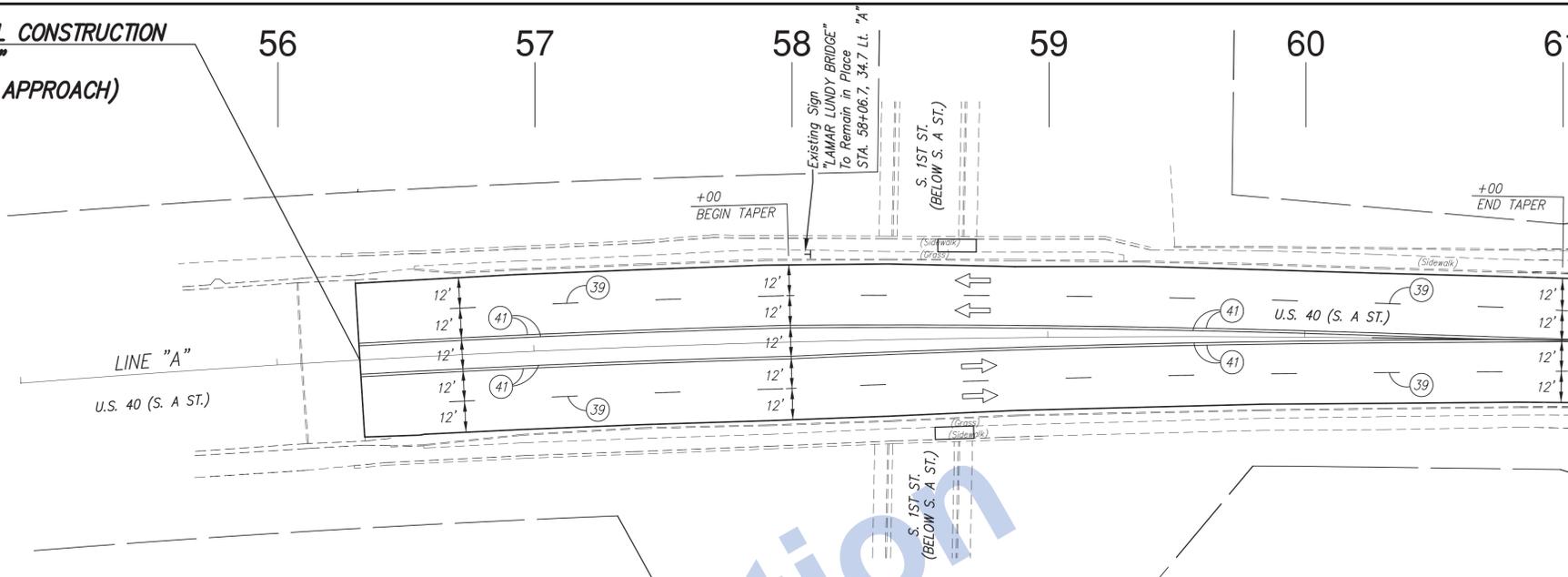
61

**THERMOPLASTIC PAVEMENT MARKING LEGEND
(TO BE USED ON HMA PAVEMENT SURFACES)**

- 39 LINE, THERMOPLASTIC, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)
- 41 LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
- 43 LINE, THERMOPLASTIC, SOLID, WHITE, 4"
- 45 LINE, THERMOPLASTIC, SOLID, WHITE, 8"
- 47 TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
- 53 TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK, WHITE, 6"
- PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, LANE INDICATION ARROWS
- ONLY PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, WORD (ONLY)
- GROUND MOUNTED SHEET SIGN
- TRAFFIC FLOW

**MULTI-COMPONENT PAVEMENT MARKING LEGEND
(TO BE USED ON CONCRETE PAVEMENT SURFACES)**

- 61 LINE, MULTI-COMPONENT, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)
- 62 LINE, MULTI-COMPONENT, SOLID, YELLOW, 4"
- 63 LINE, MULTI-COMPONENT, SOLID, WHITE, 4"
- 64 LINE, MULTI-COMPONENT, SOLID, WHITE, 8"
- 65 TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, WHITE, 24"
- 66 TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 6"
- PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROWS
- ONLY PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, WORD (ONLY)
- GROUND MOUNTED SHEET SIGN
- TRAFFIC FLOW



ALL NON MUTCD SPECIALTY SIGNS WITHIN THE RIGHT-OF-WAY SUCH AS, ADOPT A HIGHWAY, RICHMOND PARKING, BUS STOP, ETC. SHALL BE REMOVED AND BE REINSTALLED AT EXISTING LOCATIONS ON NEW SUPPORTS AS DIRECTED.

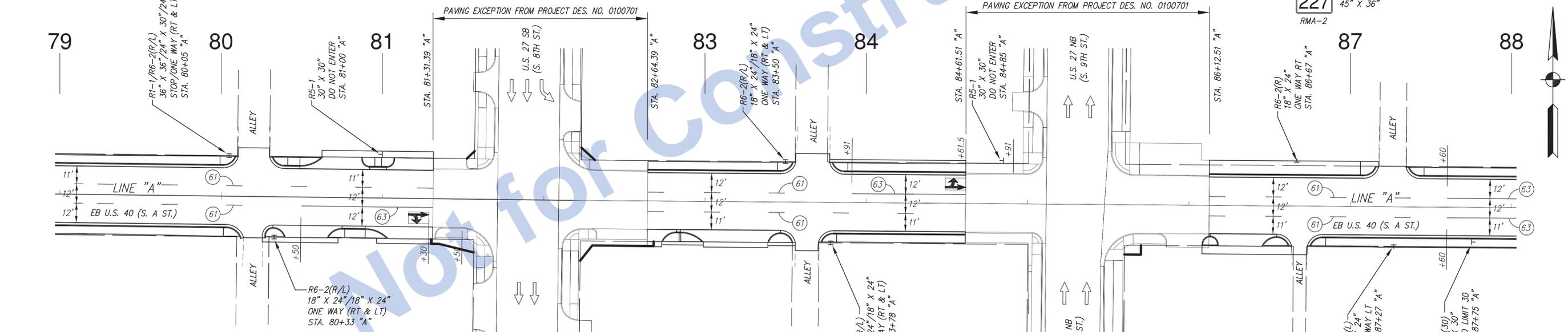
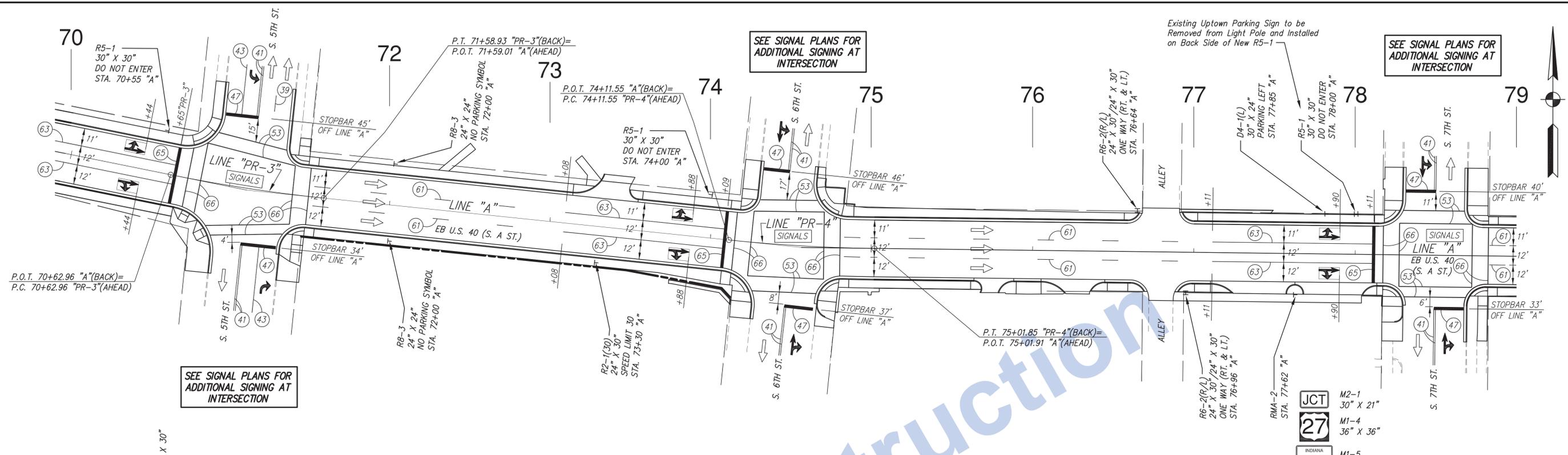
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: T.F.S./J.P.H.	DRAWN: J.P.H.	
CHECKED: D.W.C.	CHECKED: D.W.C.	

INDIANA DEPARTMENT OF TRANSPORTATION	
Eastbound U.S. 40 (S. A St.) Pavement Markings and Signing Sheet 1	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	59 of 105
CONTRACT	PROJECT
R-30397	0013790

21:00 INDI00708-147 US 40 in Downtown Richmond Road Design/Road Plan Sheets/08 Pavement Markings and Signing/PRCAST US 40 Pavement Marking and Sign Details - Copy/Sheet 2, 8/24/2016 2:13:29 PM, 1:30



THERMOPLASTIC PAVEMENT MARKING LEGEND
(TO BE USED ON HMA PAVEMENT SURFACES)

- 39 LINE, THERMOPLASTIC, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)
- 41 LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
- 43 LINE, THERMOPLASTIC, SOLID, WHITE, 4"
- 45 LINE, THERMOPLASTIC, SOLID, WHITE, 8"
- 47 TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
- 53 TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK, WHITE, 6"
- PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, LANE INDICATION ARROWS
- ONLY PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, WORD (ONLY)
- GROUND MOUNTED SHEET SIGN
- TRAFFIC FLOW

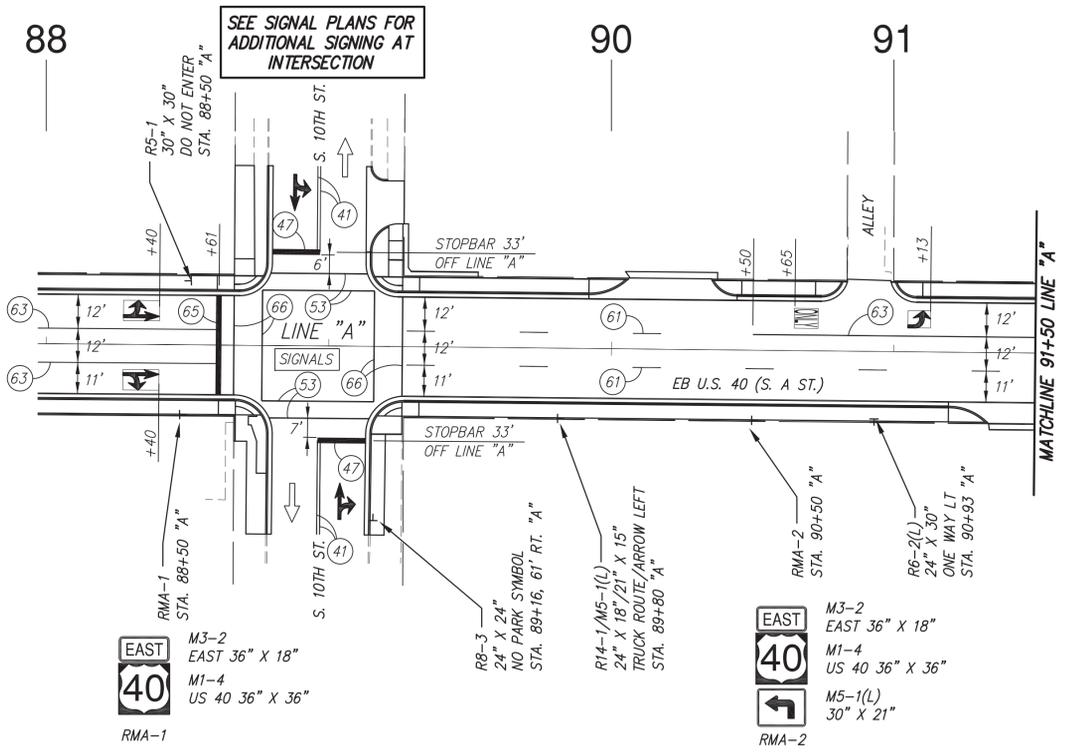
MULTI-COMPONENT PAVEMENT MARKING LEGEND
(TO BE USED ON CONCRETE PAVEMENT SURFACES)

- 61 LINE, MULTI-COMPONENT, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)
- 62 LINE, MULTI-COMPONENT, SOLID, YELLOW, 4"
- 63 LINE, MULTI-COMPONENT, SOLID, WHITE, 4"
- 64 LINE, MULTI-COMPONENT, SOLID, WHITE, 8"
- 65 TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, WHITE, 24"
- 66 TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 6"
- PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROWS
- ONLY PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, WORD (ONLY)
- GROUND MOUNTED SHEET SIGN
- TRAFFIC FLOW

JCT	M2-1	30" X 21"
27	M1-4	36" X 36"
INDIANA 227	M1-5	45" X 36"
RMA-2		

ALL NON MUTCD SPECIALTY SIGNS WITHIN THE RIGHT-OF-WAY SUCH AS, ADOPT A HIGHWAY, RICHMOND PARKING, BUS STOP, ETC. SHALL BE REMOVED AND BE REINSTALLED AT EXISTING LOCATIONS ON NEW SUPPORTS AS DIRECTED.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: T.F.S./J.P.H.	DRAWN: J.P.H.			1" = 30'	N/A
	CHECKED: D.W.C.	CHECKED: D.W.C.			VERTICAL SCALE	DESIGNATION
				Eastbound U.S. 40 (S.A. St.) Pavement Markings and Signing Sheet 2	N/A	0013790
					SURVEY BOOK	SHEETS
					17327	60 of 105
					CONTRACT	PROJECT
					R-30397	0013790

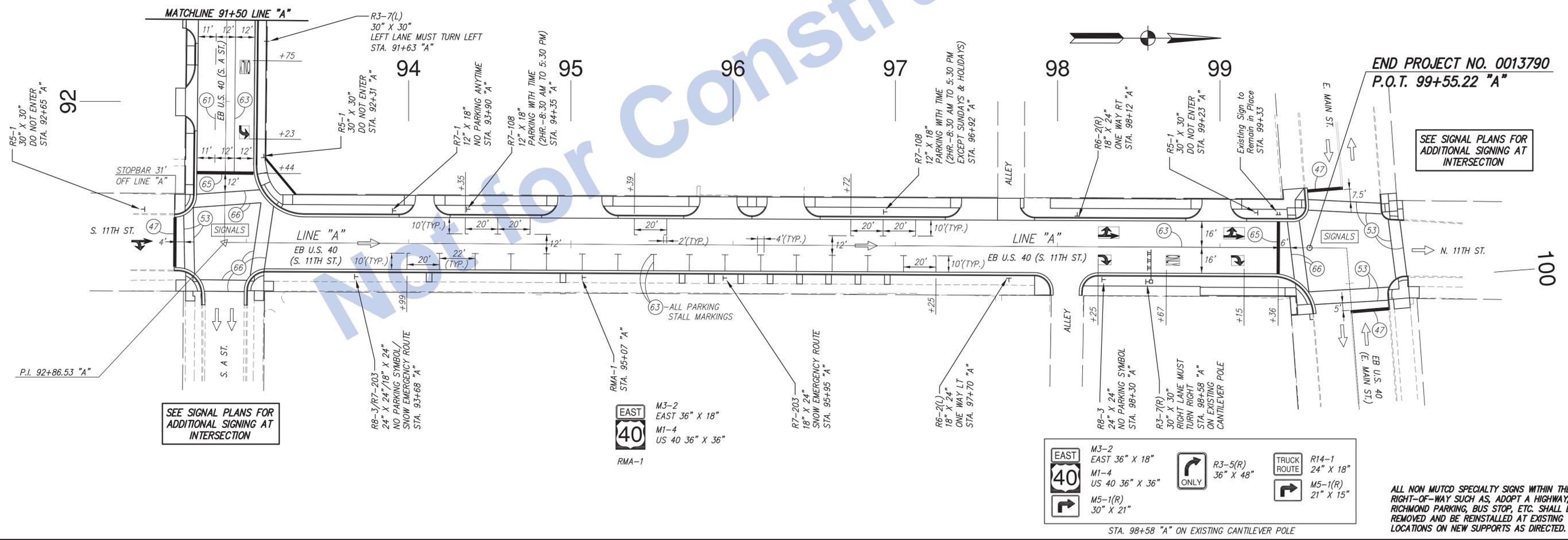


THERMOPLASTIC PAVEMENT MARKING LEGEND AND QUANTITIES
(TO BE USED ON HMA PAVEMENT SURFACES)

39	LINE, THERMOPLASTIC, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)	420 LFT.
41	LINE, THERMOPLASTIC, SOLID, YELLOW, 4"	2,950 LFT.
43	LINE, THERMOPLASTIC, SOLID, WHITE, 4"	275 LFT.
45	LINE, THERMOPLASTIC, SOLID, WHITE, 8"	265 LFT.
47	TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"	400 LFT.
53	TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK, WHITE, 6"	1,840 LFT.
↔	PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, LANE INDICATION ARROWS	10 EACH
ONLY	PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, WORD (ONLY)	0 EACH
⊥	GROUND MOUNTED SHEET SIGN	SEE SHEET SIGN AND POST SUMMARY TABLE
←	TRAFFIC FLOW	

MULTI-COMPONENT PAVEMENT MARKING LEGEND AND QUANTITIES
(TO BE USED ON CONCRETE PAVEMENT SURFACES)

61	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4" (10' SEGMENT, 30' GAP)	800 LFT.
62	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4"	0 LFT.
63	LINE, MULTI-COMPONENT, SOLID, WHITE, 4"	1,635 LFT.
64	LINE, MULTI-COMPONENT, SOLID, WHITE, 8"	125 LFT.
65	TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, WHITE, 24"	210 LFT.
66	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 6"	875 LFT.
↔	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROWS	16 EACH
ONLY	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, WORD (ONLY)	3 EACH
⊥	GROUND MOUNTED SHEET SIGN	SEE SHEET SIGN AND POST SUMMARY TABLE
←	TRAFFIC FLOW	



Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: T.F.S./J.P.H.	DRAWN: J.P.H.	
CHECKED: D.W.C.	CHECKED: D.W.C.	

INDIANA DEPARTMENT OF TRANSPORTATION
Eastbound U.S. 40 (S. A St. and S. 11th St.)
Pavement Markings and Signing Sheet 3

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	61 of 105
CONTRACT	PROJECT
R-30397	0013790

ALL NON MUTCD SPECIALTY SIGNS WITHIN THE RIGHT-OF-WAY SUCH AS, ADOPT A HIGHWAY, RICHMOND PARKING, BUS STOP, ETC. SHALL BE REMOVED AND BE REINSTALLED AT EXISTING LOCATIONS ON NEW SUPPORTS AS DIRECTED.

D:\100 INDIAN\08-147 US 40 in Downtown Richmond\Road Design\Road Plan Sheets\08 Payment Markings and Signing\Sgnr-Post-Summary Table.dwg, Summary 1, 8/24/2016 2:24:32 PM, 1:1

SIGN LOCATION (STA.)	SIDE	SIGN CODE	SIGN MESSAGE	SIGN SIZE IN. X IN.	GROUND MOUNTED SIGN AREA				SIGN POST TYPE 1 2 1/4" X 2 1/4" - 12 GA LFT	COMMENTS
					0.080" SFT.	0.100" SFT.	0.125" SFT.	DOUBLE FACE 0.080" SFT.		
LINE "A" 58+07	LT.	EXIST.	BRIDGE NAME							TO REMAIN IN PLACE
61+16	RT.	EXIST.	2-STREET NAMES							REMOVE FROM LIGHT POLE
61+30	LT.	D3-1-1	S A ST	2 X 1				2.00	8.0	SEE DETAIL
61+30	LT.	D3-1-2	S 2ND ST	2.5 X 1				2.50		SEE DETAIL
61+40	LT.	R1-1	STOP	36 X 36		9.00			11.0	
61+40	LT.	W4-4P	CROSS TRAFFIC DOES NOT STOP	24 X 12	2.00					INSTALL BELOW R1-1
61+83	RT.	R1-1	STOP	36 X 36		9.00			11.0	
61+83	RT.	W4-4P	CROSS TRAFFIC DOES NOT STOP	24 X 12	2.00					INSTALL BELOW R1-1
61+87	RT.	D3-1-1	S A ST	2 X 1				2.00	8.0	SEE DETAIL
61+87	RT.	D3-1-2	S 2ND ST	2.5 X 1				2.50		SEE DETAIL
61+94	RT.	R2-1(30)	SPEED LIMIT 30	30 X 36	7.50				11.0	
63+18	LT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				10.0	
63+78	RT.	R3-2	NO LEFT TURN SYMBOL	24 X 24	4.00				10.0	
64+35	RT.	R3-1	NO RIGHT TURN SYMBOL	24 X 24	4.00				10.0	
64+62	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
64+78	RT.	R3-5(R)	LANE USE RIGHT ONLY	30 X 36	7.50				11.0	
64+78	RT.	R5-1	DO NOT ENTER	30 X 30	6.25					BACK OF R3-5(R)
65+22	RT.	R3-5(R)	LANE USE RIGHT ONLY	30 X 36	7.50				11.0	
65+25	RT.	R1-1	STOP	36 X 36		9.00			13.0	
65+25	RT.	R3-5(R)	LANE USE RIGHT ONLY	30 X 36	7.50					BELOW R1-1
65+25	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00					BACK OF R1-1, FACE SOUTH BOUND TRAFFIC
65+30	RT.	D3-1-1	S A ST	2 X 1				2.00	10.5	SEE DETAIL
65+30	RT.	D3-1-3	S 3RD ST	2.5 X 1				2.50		SEE DETAIL
65+30	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00					FACE EAST BOUND TRAFFIC
65+36	RT.	EXIST.	2-STREET NAMES							REMOVE FROM LIGHT POLE
65+42	LT.	D5-1	DO NOT ENTER	30 X 30	6.25				10.5	
67+16	RT.	RMA-1							11.5	
67+16	RT.	M3-2	EAST	36 X 18		4.50				
67+16	RT.	M1-4	US 40	36 X 36		9.00				
67+28	LT.	D5-1	DO NOT ENTER	30 X 30	6.25				10.5	
67+54	LT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
67+54	LT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
67+58	LT.	R1-1	STOP	36 X 36		9.00			11.0	
68+05	RT.	R1-1	STOP	36 X 36		9.00			11.0	
68+10	RT.	D3-1-1	S A ST	2 X 1				2.00	10.5	SEE DETAIL
68+10	RT.	D3-1-4	S 4TH ST	2.5 X 1				2.50		SEE DETAIL
68+10	RT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
68+10	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
68+22	RT.	EXIST.	2-STREET NAMES							REMOVE FROM LIGHT POLE
68+61	RT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				10.0	
69+47	LT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
70+55	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
72+00	LT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				10.0	
72+00	RT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				10.0	
73+30	RT.	R2-1(30)	SPEED LIMIT 30	30 X 36	7.50				11.0	
SUBTOTALS TABLE 1					117.75	58.50	0.0	18.0	271.5	

SIGN LOCATION (STA.)	SIDE	SIGN CODE	SIGN MESSAGE	SIGN SIZE IN. X IN.	GROUND MOUNTED SIGN AREA				SIGN POST TYPE 1 2 1/4" X 2 1/4" - 12 GA LFT	COMMENTS
					0.080" SFT.	0.100" SFT.	0.125" SFT.	DOUBLE FACE 0.080" SFT.		
LINE "A" 73+55	LT.	EXIST.	PRIVATE SIGN							TO REMAIN IN PLACE
74+00	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
76+64	LT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
76+64	LT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
76+96	RT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
76+96	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
77+64	RT.	RMA-2							15.5	
		M2-1	JCT	30 X 21	4.375					
		M1-4	US 40	36 X 36		9.00				
		M1-5	IN 227	45 X 36		11.25				
77+85	LT.	D4-1(L)	PARKING LT.	30 X 24	5.00				10.0	
78+00	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
78+00	LT.	EXIST.	UPTOWN PARKING							REMOVE FROM LIGHT POLE & INSTALL ON BACK SIDE OF RS-1
80+05	LT.	R1-1	STOP	36 X 36		9.00			12.0	INSTALL BELOW R6-2(L)
80+05	LT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
80+05	LT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
80+33	RT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
80+33	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
81+00	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
83+50	LT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
83+50	LT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
83+78	RT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
83+78	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
84+85	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	UNDER DES NO. 0100701
86+67	LT.	R6-2(R)	ONE WAY RT.	18 X 24	3.00				10.0	
87+27	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
87+75	RT.	R2-1(30)	SPEED LIMIT 30	30 X 36	7.50				11.0	
88+50	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
88+50	RT.	RMA-1							11.5	
		M3-2	EAST	36 X 18		4.50				
		M1-4	US 40	36 X 36		9.00				
89+16	RT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				10.0	
89+80	RT.	R14-1	TRUCK ROUTE	24 X 18	3.00				11.0	
		M5-1(L)	ADV. TURN ARROW LT.	21 X 15	2.188					
90+50	RT.	RMA-2							14.0	
90+50	RT.	M3-2	EAST	36 X 18		4.40				
90+50	RT.	M4-1	US 40	36 X 36		9.00				
90+50	RT.	M5-1(L)	ADV. TURN ARROW LT.	30 X 21	4.375					
90+93	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
91+63	LT.	R3-7(L)	LT. LANE MUST TURN LT.	30 X 30	6.25				10.5	
92+31	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
92+65	RT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
93+68	RT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				12.0	
93+68	RT.	R7-203	SNOW ROUTE	18 X 24	3.00				10.0	
94+35	LT.	R7-108	PARKING WITH TIME (2HR. - 8:30 AM to 5:30 PM)	12 X 18	1.50				10.0	
95+07	RT.	RMA-1							11.5	
95+07	RT.	M3-2	EAST	36 X 18		4.50				
95+07	RT.	M1-4	US 40	36 X 36		9.00				
95+95	RT.	R7-203	SNOW ROUTE	18 X 24	3.00				10.0	
SUBTOTALS TABLE 2					136.938	69.65	0.0		302.5	

SIGN LOCATION (STA.)	SIDE	SIGN CODE	SIGN MESSAGE	SIGN SIZE IN. X IN.	GROUND MOUNTED SIGN AREA				SIGN POST TYPE 1 2 1/4" X 2 1/4" - 12 GA LFT	COMMENTS
					0.080" SFT.	0.100" SFT.	0.125" SFT.	DOUBLE FACE 0.080" SFT.		
LINE "A"										
96+92	LT.	R7-108	PARKING WITH TIME (2HR. - 8:30 AM to 5:30 PM EXCEPT SUNDAYS AND HOLIDAYS)	12 X 18	1.50				10.0	
97+70	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
98+12	RT.	R6-2(L)	ONE WAY LT.	18 X 24	3.00				10.0	
98+30	RT.	R8-3	NO PARKING SYMBOL	24 X 24	4.00				12.0	
98+58	RT.	R14-1	TRUCK ROUTE	24 X 18	3.00					INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	M5-1(R)	ADV. TURN ARROW RT.	21 X 15	2.188					INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	R3-5(R)	LANE USE RIGHT ONLY	36 X 48		12.00				INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	M3-2	EAST	36 X 18		4.40				INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	M4-1	US 40	36 X 36		9.00				INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	M5-1(R)	ADV. TURN ARROW RT.	30 X 21	4.375					INSTALL ON EXIST. CANTILEVER MAST ARM
98+58	RT.	R3-7(R)	RT. LANE MUST TURN RT.	30 X 30	6.25					INSTALL ON EXIST. CANTILEVER POLE
99+23	LT.	R5-1	DO NOT ENTER	30 X 30	6.25				10.5	
99+33	LT.	EXIST.	UPTOWN PARKING							EXIST. SIGN TO REMAIN IN PLACE
SUBTOTALS TABLE 3					33.563	25.4	0.0		52.5	

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____ DATE _____ DESIGN ENGINEER _____	HORIZONTAL SCALE N/A BRIDGE FILE N/A	
	DESIGNED: T.F.S. CHECKED: D.W.C.	DRAWN: T.F.S. CHECKED: D.W.C.	VERTICAL SCALE N/A DESIGNATION 0013790
	INDIANA DEPARTMENT OF TRANSPORTATION Sheet Sign and Post Summary Eastbound U.S. 40 (S. A St. and S. 11th St.)		SURVEY BOOK 17327 CONTRACT R-30397
			SHEETS 62 of 105 PROJECT 0013790

SIGN LOCATION (STA.)	SIDE	SIGN CODE	SIGN MESSAGE	SIGN SIZE IN. X IN.	GROUND MOUNTED SIGN AREA			DOUBLE FACE SFT.	SQUARE POST TYPE 1 2 1/4" x 2 1/4" - 12GA. LFT.	COMMENTS
					0.080" SFT.	0.100" SFT.	0.125" SFT.			
SIGNING FROM SIGNAL PLANS										
S. A ST. & S. 5TH ST.										
	RT	D3-1(1)	S. A ST.	60X18			7.5			ON SW MAST ARM
	RT	R3-1	NO RT. TURN SYM.	24X24	4					ON SW MAST ARM
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	RT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SE MAST ARM POLE
	RT	D3-1(2)	S. 5TH ST.	72X18			9			ON SE MAST ARM
	LT	D3-1(1)	S. A ST.	60X18			7.5			ON NE MAST ARM
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NE MAST ARM
	LT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SIGNAL PEDESTAL
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SIGNAL PEDESTAL
S. A ST. & S. 6TH ST.										
	RT	D3-1(1)	S. A ST.	60X18			7.5			ON SW MAST ARM
	RT	R3-1	NO RT. TURN SYM.	24X24	4					ON SW MAST ARM
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	RT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SE MAST ARM POLE
	RT	D3-1(3)	S. 6TH ST.	72X18			9			ON SE MAST ARM
	LT	D3-1(1)	S. A ST.	60X18			7.5			ON NE MAST ARM
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NE MAST ARM
	LT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SIGNAL PEDESTAL
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SIGNAL PEDESTAL
S. A ST. & S. 7TH ST.										
	RT	D3-1(1)	S. A ST.	60X18			7.5			ON SW MAST ARM
	RT	R3-1	NO RT. TURN SYM.	24X24	4					ON SW MAST ARM
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	RT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SE MAST ARM POLE
	RT	D3-1(4)	S. 7TH ST.	72X18			9			ON SE MAST ARM
	LT	D3-1(1)	S. A ST.	60X18			7.5			ON NE MAST ARM
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NE MAST ARM
	LT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SIGNAL PEDESTAL
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SIGNAL PEDESTAL
S. A ST. & S. 10TH ST.										
	RT	D3-1(1)	S. A ST.	60X18			7.5			ON SW MAST ARM
	RT	R3-1	NO RT. TURN SYM.	24X24	4					ON SW MAST ARM
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	RT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SE MAST ARM POLE
	RT	D3-1(5)	S. 10TH ST.	78X18			9.75			ON SE MAST ARM
	LT	D3-1(1)	S. A ST.	60X18			7.5			ON NE MAST ARM
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NE MAST ARM
	LT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SIGNAL PEDESTAL
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SIGNAL PEDESTAL
S. A ST. & S. 11TH ST.										
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	RT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SE MAST ARM POLE
	RT	D3-1(6)	S. 11TH ST.	78X18			9.75			ON SE MAST ARM
	RT	RMA-2								
	RT	M3-2	EAST	36X18			4.5			ON SE MAST ARM
	RT	M1-4	US40	36X36			9			BELOW M3-2
	RT	M6-1	DIRECTIONAL ARROW	30X21	4.38					BELOW M1-4
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON NE MAST ARM POLE
	LT	D3-1(1)	S. A ST.	60X18			7.5			ON NE MAST ARM
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NE MAST ARM
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON NW PEDESTAL
SUBTOTALS TABLE 4					140.38	13.5	114.0			

SIGN LOCATION (STA.)	SIDE	SIGN CODE	SIGN MESSAGE	SIGN SIZE IN. X IN.	GROUND MOUNTED SIGN AREA			DOUBLE FACE SFT.	SQUARE POST TYPE 1 2 1/4" x 2 1/4" - 12GA. LFT.	COMMENTS
					0.080" SFT.	0.100" SFT.	0.125" SFT.			
S. 11TH ST & MAIN ST.										
	LT	R3-2	NO LT. TURN SYM.	24X24	4					ON NW MAST ARM
	LT	D3-1(7)	S. 11TH ST.	78X18			9.75			ON NW MAST ARM
	RT	RMA-3								
	LT	M1-4	US40	36X36			9			ON NW MAST ARM
	LT	M6-1	DIRECTIONAL ARROW	30X21	4.38					ON NW MAST ARM
	LT	D3-1(8)	N. MAIN ST.	84X18			10.5			ON NE MAST ARM
100+13	LT	R6-2(R)	ONE WAY RIGHT	24X30	5				10.5	CLOSE TO NE PEDESTAL
100+13	LT	R6-2(L)	ONE WAY LEFT	24X30	5					CLOSE TO NE PEDESTAL
	RT	R3-1	NO RT. TURN SYM.	24X24	4					ON SE MAST ARM
	RT	D3-1(6)	S. 11TH ST.	78X18			9.75			ON SE MAST ARM
	RT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SE MAST ARM POLE
	LT	R6-2(L)	ONE WAY LEFT	24X30	5					ON SW PEDESTAL
	LT	R6-2(R)	ONE WAY RIGHT	24X30	5					ON SW PEDESTAL
SUBTOTALS TABLE 5					37.38	9.0	30.0		10.5	

SUBTOTALS TABLE 1	117.75	58.50	0.0	18.0	271.5
SUBTOTALS TABLE 2	136.938	69.65	0.0	0.0	302.5
SUBTOTALS TABLE 3	33.563	25.4	0.0	0.0	52.5
SUBTOTALS TABLE 4	135.38	13.5	114.0	0.0	0.0
SUBTOTALS TABLE 5	42.38	9.0	30.0	0.0	10.5
TOTALS	466.011	176.05	144.00	18.0	637.0

SIGN SUMMARY OF QUANTITIES			
ITEM	UNIT	QUANTITY	COMMENTS
CONCRETE FOUNDATION, REMOVE	EACH	1	SIGN CANTILEVER FOUNDATION
OVERHEAD SIGN STRUCTURE, CANTILEVER, REMOVE,	EACH	1	INCLUDES ALL SIGNS ON STRUCTURE
SIGN, SHEET, AND SUPPORT, REMOVE	EACH	33	
SIGN, SHEET, RELOCATE	EACH	5	CITY OWNED SIGNS THAT ARE NOT MUTCD STANDARD
SIGN, SHEET, REMOVE	EACH	28	
SIGN, OVERHEAD, REMOVE	EACH	3	
SIGN, DOUBLE FACE, SHEET WITH LEGEND, 0.080 IN.	SFT.	18.0	GROUND MOUNTED STREET NAME SIGNS
SIGN, SHEET, WITH LEGEND, 0.080 IN.	SFT.	466.011	
SIGN, SHEET, WITH LEGEND, 0.100 IN.	SFT.	176.050	
SIGN, SHEET, WITH LEGEND, 0.125 IN.	SFT.	144.000	
SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	LFT.	637.0	

RECOMMENDED FOR APPROVAL _____ DATE _____
DESIGN ENGINEER _____

DESIGNED: T.F.S. DRAWN: T.F.S.
CHECKED: D.W.C. CHECKED: D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION

Sheet Sign and Post Summary
Eastbound U.S. 40 (S. A St. and S. 11th St.)

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	63 of 105
CONTRACT	PROJECT
R-30397	0013790

Stage 3 Plans

LIGHT STANDARD AND FOUNDATION REMOVE

LOCATION	EACH	LOCATION	EACH
LINE "A"		LINE "A"(CONT.)	
65+36.4	1	84+82.0	1
66+65.9	1	85+67.6	1
67+34.9	1	85+81.6	1
68+22.2	1	86+37.7	1
68+88.9	1	86+41.8	1
69+61.9	1	86+97.8	1
70+14.8	1	87+12.5	1
70+73.3	1	87+88.1	1
71+47.8	1	87+94.4	1
72+17.9	1	88+51.6	1
72+82.9	1	89+25.3	1
73+38.2	1	89+81.9	1
74+14.1	1	90+41.2	1
74+85.3	1	90+93.6	1
75+55.8	1	91+72.3	1
76+12.2	1	92+43.1	1
76+95.7	1	93+91.4	1
77+63.2	1	95+46.1	1
78+02.3	1	96+93.3	1
78+82.8	1	98+61.8	1
79+58.5	1		
80+34.1	1		
80+93.9	1		
81+44.0	1		
82+36.1	1		
83+49.5	1		
84+23.7	1		
47 TOTAL			

TREE REMOVAL

LOCATION	PAY DIAMETER					
	6 INCH	10 INCH	18 INCH	30 INCH	48 INCH	60 INCH
	EACH	EACH	EACH	EACH	EACH	EACH
LINE "A"						
66+96, 22' LT			1			
67+23, 22' LT				1		
93+32, 20' LT			1			
93+76, 20' LT			1			
94+25, 20' LT			1			
94+42, 21' RT			1			
94+49, 20' LT		1				
94+66.5, 21' RT		1				
94+88, 20' RT			1			
95+16, 20' RT		1				
95+41, 21' RT		1				
96+11, 20' RT		1				
96+35, 21' RT			1			
96+63, 21' RT		1				
97+29, 21' RT			1			
97+81, 21' RT			1			
TOTALS		6	9	1		

TREE PLANTINGS

STATION	OFFSET	LEFT	RIGHT
		EACH	EACH
LINE "A"			
93+35	21		1
93+66	21		1
93+98	21		1
94+28	21		1
94+55	21		1
94+82	21		1
95+15	21		1
95+48	21		1
95+95	21		1
96+31	21		1
96+67	21		1
97+11	21		1
97+43	21		1
97+72	21		1
98+36	21		1
98+68	21		1
99+03	21		1
SEE SPECIAL PROVISIONS			
SUBTOTALS		0	17
TOTAL			17

MONUMENT TABLE

LOCATION	TYPE B	TYPE D	SECTION CORNER MONUMENT	BENCHMARK POST	MONUMENT, RE-EBLISH, SUBDIVISION 5 FT OFFSET (UNDISTRIBUTED)
	EACH	EACH	EACH	EACH	EACH
LINE "A"					
P.O.T. 65+30.00 (BEGIN PROJECT)		1			
P.I. 69+48.50		1			
P.I. 71+10.98		1			
P.I. 74+56.73		1			
P.I. 82+17.96		1			
P.I. 89+21.44		1			
P.I. 92+86.53		1			
P.I. 99+55.22 (END PROJECT)		1			
TOTALS		8			15

RIGHT-OF-WAY MARKER TABLE

STATION	OFFSET	LEFT	RIGHT
		EACH	EACH
LINE "A" (LEFT)			
61+98.20	55.00	1	
62+05.00	55.00	1	
62+05.00	40.00	1	
LINE "A" (RIGHT)			
(OFF OF WB US 40 - 3RD ST.)			
179+90.49	43.42		1
180+03.63	45.12		1
180+37.21	84.30		1
180+42.38	89.81		1
180+42.19	121.89		1
LINE "A" (LEFT)			
65+39.66	45.00	1	
65+52.50	35.00	1	
68+12.67	35.00	1	
68+12.67	29.85	1	
LINE "A" (RIGHT)			
71+47.52	25.00		1
73+50.00	25.00		1
74+10.00	30.00		1
74+15.74	35.00		1
LINE "A" (LEFT)			
92+35.00	25.00	1	
93+30.00	30.00	1	
SUBTOTALS		9	9
TOTAL			18

RETAINING WALL, REMOVE

LOCATION	QUANTITY
	LFT
LINE "A"	
62+49 TO 63+45 LT.	96
91+40 TO 93+25 LT.	130
SEE SPECIAL PROVISIONS	
TOTAL	226

RETAINING WALL

LOCATION	QUANTITY
	SFT
LINE "A"	
UNDISTRIBUTED	500
SEE SPECIAL PROVISIONS	
TOTAL	500

CONCRETE STEPS

LOCATION	QUANTITY
	SYS
LINE "A"	
91+80 LT. (REMOVE)	3
91+98 LT. (REMOVE)	3
UNDISTRIBUTED (REMOVE)	100
(PAID FOR AS SIDEWALK, CONCRETE, REMOVE) TOTAL	106
LINE "A"	
UNDISTRIBUTED (CONSTRUCT)	100
(PAID FOR AS SIDEWALK, CONCRETE) TOTAL	100
SEE SPECIAL PROVISIONS	

Stage 3 Plans

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION	
MISCELLANEOUS TABLES	

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	64 of 105
CONTRACT	PROJECT
R-30397	0013790

UNDERDRAIN TABLE																											
UNDERDRAIN PIPE												OUTLET PIPE						OUTLET PROTECTORS						Remarks			
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. _____	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	6 inch Outlet Pipe LFT	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. _____	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. _____	Structure Invert Elevation	Structure Backfill Type 1	HMA for Underdrains	Outlet Protector No. _____	Outlet Protector Type	Location				
	4 inch LFT	6 inch LFT																					SYS		CYS	TONS	%
LINE "A"																											
						-0.2%	974.73	N																			
		52	61	4			974.63	N	91	973.98																	
							974.85	N	91	973.98																	
		122	143	9			975.58	N																			
							975.60	N	94	974.73																	
		107	125	8			976.30	N																			
							976.33	N	98	975.45																	
		75	88	6			976.81	N																			
							976.80	N	102	975.96																	
		66	77	5			977.22	N																			
		34	40	3		-1.4%	977.49	N																UNDERDRAIN FOLLOWS RADIUS			
							977.01	N	108	974.51																	
							976.88	N	110	976.04																	
		101	118	8			977.15	N																			
							977.15	N	113	974.81																	
		121	142	9			977.53	N																			
							977.52	N	116	975.19																	
		368	431	28			978.66	N																HIGH POINT - UNDERDRAIN CONTINUES			
							978.76	N																HIGH POINT - UNDERDRAIN CONTINUES			
		30	35	2		0.2%	978.82	N																HIGH POINT - UNDERDRAIN CONTINUES			
																								UNDERDRAIN FOLLOWS RADIUS			
		Subtotals	1076	1260	82																						
		Subtotals Sheet 1	1288	1507	99																						
		Subtotals Sheet 2	955	1119	72																						
		Subtotals Sheet 3	727	852	56																						
		Subtotals Sheet 4	1293	1513	99																						
		Subtotals Sheet 5	665	780	53																						
		TOTALS	6004	7031	461						4	30															

Underdrain Outlet Pipe, 6 IN. = 30 LFT. + (4 x 2 LFT. per Elbow) = 38 LFT.
 Video Inspection for Underdrains = 3,000 ft.

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION UNDERDRAIN TABLE NO. 6 LINE "A" - RIGHT SIDE	HORIZONTAL SCALE N/A	BRIDGE FILE N/A
	DESIGNED: J.P.H. DRAWN: J.P.H.		VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B. CHECKED: J.L.B.		SURVEY BOOK 17327	SHEETS 72 of 105
			CONTRACT R-30397	PROJECT 0013790

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	PIPE TYPE	MANHOLE, INLET CATCH BASIN OR SPECIALTY STRUCTURE	LENGTH FT.	SKEW	COVER	FLOW LINE		LIFE SERVICE YR.	SITE DESIGNATION	PH	STRUCTURE BACKFILL		RELINE EXISTING SEWER FT.	RELINE EXISTING MANHOLE EA.	RECONSTRUCT EXISTING MANHOLE FT.	GRATED BOX END SECTION			SAFETY METAL END SECTION		REMARKS		
											UP STREAM ELEV.	DOWN STREAM ELEV.				CYS.	CYS.				TYPE	SLP	EA.	SLP	EA.			
LINE "A"																												
8	57+13	X					EXISTING STORM MANHOLE				*	952.53																ADJUST CASTING TO GRADE
9	58+19.5	X					EXISTING STORM MANHOLE				*	951.53																ADJUST CASTING TO GRADE
10	60+55	X					EXISTING STORM MANHOLE				*	950.61																ADJUST CASTING TO GRADE
11	65+00	X					EXISTING STORM MANHOLE				*	965.15																ADJUST CASTING TO GRADE
12	65+19.8		X		12	2	PIPE	5	1.0	963.58	D.I.F.	75	N	6.5	1													NO CURB BOX CONNECT TO STR. NO. 11
13	65+40		X		12	2	PIPE	11	1.0	963.61	D.I.F.	75	N	6.5	2													CONNECT TO STR. NO. 11
14	65+40	X			12	2	PIPE	4	1.0	963.82	D.I.F.	75	N	6.5	1													CONNECT TO STR. NO. 11
15	66+12.7	X					EXISTING STORM MANHOLE				*	968.82																ADJUST CASTING TO GRADE
16	66+52	X			12	2	PIPE	37	2.2	965.58	965.21	75	N	6.5	14													CONNECT TO STR. NO. 15
17	66+52		X		12	2	PIPE	35	2.4	969.91	965.58	75	N	6.5	14													CONNECT TO STR. NO. 16
18	67+73.6	X					EXISTING STORM MANHOLE				*	973.31																ADJUST CASTING TO GRADE
19	67+99		X		12	2	PIPE	54	2.7	969.30	968.59	75	N	6.5	22													CONNECT TO STR. NO. 18
20	68+05	X			12	2	PIPE	3	2.3	969.52	969.49	75	N	6.5	2													CONNECT TO STR. NO. 21
21	68+05	X			15	2	PIPE	27	2.3	969.09	968.90	75	N	6.5	12													CONNECT TO STR. NO. 18
22	68+30		X		12	2	PIPE	37	2.4	969.71	969.34	75	N	6.5	14													CONNECT TO STR. NO. 21
23	69+22	X			12	2	PIPE	3	2.1	970.40	970.37	75	N	6.5	2													CONNECT TO STR. NO. 24
24	69+22	X			15	2	PIPE	114	2.6	969.87	969.09	75	N	6.5	52													CONNECT TO STR. NO. 21
25	69+22		X		12	2	PIPE	28	2.4	970.40	970.12	75	N	6.5	11													NO CURB BOX CONNECT TO STR. NO. 24
26	73+00	X			12	2	PIPE	3	2.3	967.94	967.90	75	N	6.5	2													CONNECT TO STR. NO. 27
27	73+00	X			15	2	PIPE	108	2.2	967.41	966.87	75	N	6.5	45													CONNECT TO STR. NO. 31
28	73+00		X		12	2	PIPE	28	2.4	967.94	967.66	75	N	6.5	11													CONNECT TO STR. NO. 27 (INTERCEPT SUMP DRAIN FROM FIRE STATION AND CONNECT TO STR. 28 WITH 40' OF 2" P.V.C.)
29	74+07		X		12	2	PIPE	29	2.4	966.66	966.37	75	N	6.5	11													CONNECT TO STR. NO. 31
30	74+09	X			12	2	PIPE	4	2.3	966.65	966.61	75	N	6.5	2													CONNECT TO STR. NO. 31
31	74+12	X			15	2	PIPE	26	2.5	966.12	965.99	75	N	6.5	12													CONNECT TO STR. NO. 33
32	74+29.2	X			12	2	PIPE	14	2.4	966.50	966.36	75	N	6.5	6													CONNECT TO STR. NO. 33
33	74+37.3	X			15	2	PIPE	5	1.8	D.I.F.	966.77	75	N	6.5	2													CONNECT TO EXISTING 15" PIPE
					30	2	PIPE	10	2.9	964.46	964.43	75	N	6.5	8													CONNECT TO EXISTING 30" PIPE

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	PIPE TYPE	MANHOLE, INLET CATCH BASIN OR SPECIALTY STRUCTURE	LENGTH FT.	SKEW	COVER	FLOW LINE		LIFE SERVICE YR.	SITE DESIGNATION	PH	STRUCTURE BACKFILL		RELINE EXISTING SEWER FT.	RELINE EXISTING MANHOLE EA.	RECONSTRUCT EXISTING MANHOLE FT.	GRATED BOX END SECTION			SAFETY METAL END SECTION		REMARKS		
											UP STREAM ELEV.	DOWN STREAM ELEV.				CYS.	CYS.				TYPE	SLP	EA.	SLP	EA.			
34	74+53.8		X		48"	-	EXISTING STORM MANHOLE EXIST. BRICK COMBO SEWER				*	970.87						50±	1	2±								RELINE EXIST. COMBO SEWER
35	74+62.6	X			12	2	PIPE	25	2.4	966.71	966.46	75	N	6.5	10													CONNECT TO STR. NO. 33
36	74+90	X			12	2	PIPE	3	2.5	966.30	966.27	75	N	6.5	2													CONNECT TO STR. NO. 37
37	74+90	X			15	2	PIPE	51	2.9	965.77	965.37	75	N	6.5	26													CONNECT TO STR. NO. 33
38	74+90		X		12	2	PIPE	28	2.6	966.30	966.02	75	N	6.5	12													CONNECT TO STR. NO. 37
39	74+99	X			12	2	PIPE	6	2.3	966.47	966.30	75	N	6.5	3													CONNECT TO STR. NO. 36
40	74+99		X		12	2	PIPE	6	2.3	966.47	966.30	75	N	6.5	3													CONNECT TO STR. NO. 38
41	75+45	X			12	2	PIPE	3	2.3	966.73	966.70	75	N	6.5	2													CONNECT TO STR. NO. 42
42	75+45	X			15	2	PIPE	51	2.7	966.20	965.84	75	N	6.5	24													CONNECT TO STR. NO. 37
43	75+45		X		12	2	PIPE	28	2.4	966.73	966.45	75	N	6.5	11													CONNECT TO STR. NO. 42
44	76+00	X			12	2	PIPE	3	2.3	967.09	967.06	75	N	6.5	2													CONNECT TO STR. NO. 45
45	76+00	X			15	2	PIPE	51	2.6	966.56	966.20	75	N	6.5	24													CONNECT TO STR. NO. 42
46	76+00		X		12	2	PIPE	28	2.4	967.09	966.81	75	N	6.5	11													NO CURB BOX CONNECT TO STR. NO. 45
47	76+77.2		X		43 x 41.25"	-	EXISTING COMBO MANHOLE EXIST. BRICK COMBO SEWER				*	971.95						230±	1	7.3±								RELINE EXIST. COMBO SEWER (WEST) CONNECT TO EXISTING 12" PIPE
48	77+05	X			12	2	PIPE	3	2.3	967.78	967.75	75	N	6.5	2													NO CURB BOX CONNECT TO STR. NO. 49
49	77+05	X			15	2	PIPE	101	2.6	967.25	966.56	75	N	6.5	47													CONNECT TO STR. NO. 45
50	77+05		X		12	2	PIPE	28	2.4	967.78	967.50	75	N	6.5	11													NO CURB BOX CONNECT TO STR. NO. 49
51	78+10	X			15	2	PIPE	37	2.2	968.63	968.41	75	N	6.5	16													CONNECT TO STR. NO. 55
52	78+15		X		15	2	PIPE	36	1.7	968.83	968.63	75	N	6.5	13													NO CURB BOX CONNECT TO STR. NO. 51
53	78+31	X			12	2	PIPE	16	2.5	968.50	968.41	75	N	6.5	7													CONNECT TO STR. NO. 55
54	78+31		X		12	2	PIPE	20	2.1	968.98	968.83	75	N	6.5	7													NO CURB BOX CONNECT TO STR. NO. 52

LEGEND FOR ABBREVIATION

A.C.S.2. ——— ALUMINUM COATED STEEL TYPE 2	A. ——— ABRASIVE	C.M.P.A. ——— CORRUGATED METAL PIPE ARCH
C.S. ——— CORRUGATED STEEL	N. ——— NON-ABRASIVE	C.M.P. ——— CORRUGATED METAL PIPE
C.A. ——— CORRUGATED ALUMINUM	M.H. ——— MANHOLE	D.I.F. ——— DETERMINE IN FIELD
S.P.S. ——— STRUCTURAL PLATE STEEL		C.P.P. ——— CORRUGATED PLASTIC PIPE
G.B.E.S. ——— GRATED BOX END SECTION		R.C.P. ——— REINFORCED CONCRETE PIPE
S.M.E.S. ——— SAFETY METAL CULVERT END SECTION		P.G.C.S. ——— PRECOATED GALVANIZED CORRUGATED STEEL
* ——— INDICATES RIM ELEVATION		S.P.P.A. ——— STRUCTURAL PLATE PIPE ARCH
C.P.P. ——— CORRUGATED PLASTIC PIPE		

J:\00\INDOT\08-147 US 40 in Downtown Richmond\Road Design\Road Plan Sheets\10 Summary Tables\PRECAST 08-147 Structure Data Tables - Copy.dwg, 144 50 1, 8/24/2016 2:32:02 PM, 1:1

Stage 3 Plans	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE N/A	BRIDGE FILE N/A
	DESIGNED: J.P.H. DRAWN: G.S.H.	STRUCTURE DATA TABLE	VERTICAL SCALE N/A	DESIGNATION 0013790
	CHECKED: J.L.B. CHECKED: J.P.H.	SURVEY BOOK 17327 of 105	CONTRACT R-30397	SHEETS PROJECT 0013790

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	PIPE TYPE	MANHOLE, INLET CATCH BASIN OR SPECIALTY STRUCTURE	LENGTH FT.	SKEW	COVER	FLOW LINE		LIFE SERVICE YR.	SITE DESIGNATION	PH	STRUCTURE BACKFILL		RELINE EXISTING SEWER FT.	RELINE EXISTING MANHOLE EA.	RECONSTRUCT EXISTING MANHOLE FT.	GRATED BOX END SECTION			SAFETY METAL END SECTION		REMARKS			
											UP STREAM ELEV.	DOWN STREAM ELEV.				TYPE	SLP				EA.	SLP	EA.						
											CYS.	CYS.																	
LINE "A"																													
100	92+37	X			12	2	PIPE	34	2.7	975.88	975.70	75	N	6.5	14														CONNECT TO STR. NO. 106
101	92+49.7		X		15	2	PIPE	19	3.5	974.77	974.72	75	N	6.5	11														CONNECT TO STR. NO. 103
102	92+49.7		X		12	2	PIPE	3	2.3	975.96	975.93	75	N	6.5	2														CONNECT TO STR. NO. 101
103	92+70		X		33	2	PIPE	8	7.9	969.08±	969.04	75	N	6.5	16														CONNECT TO EX. 32" BRICK COMBO (EAST)
					33	2	PIPE	8	7.9	969.04	969.00±	75	N	6.5	16														CONNECT TO EX. 32" CONC. COMBO (WEST)
					32	-	EX. CONC. & BRICK COMBO SEWER			969.00±	968.83	-	-	-				55±											RELINE EXIST. COMBO SEWER (WEST)
103A	P.I.+10.4		X		32	-	EXIST. BRICK COMBO SEWER			969.13	969.08	-	-	-				24±		1	2±								RELINE EXIST. COMBO SEWER (WEST)
104	P.I.+34.8		X		12	2	PIPE	69	2.2	976.38	976.17	75	N	6.5	25														CONNECT TO STR. NO. 101
105	93+00		X		12	2	PIPE	30	1.6	977.55	976.75	75	N	6.5	9														CONNECT TO STR. NO. 108
106	93+25		X		12	2	PIPE	5	2.6	975.70	975.65	75	N	6.5	3														CONNECT TO STR. NO. 107
107	93+25		X		18	2	PIPE	34	4.5	973.52	973.40	75	N	6.5	27														CONNECT TO STR. NO. 103
108	93+25		X		12	2	PIPE	25	3.9	974.51	974.26	75	N	6.5	14														MODIFIED BY DEPTH CONNECT TO STR. NO. 107
109	93+30		X		12	2	PIPE	2	2.4	976.03	975.70	75	N	6.5	1														CONNECT TO STR. NO. 106
110	93+30		X		12	2	PIPE	2	2.3	976.04	975.74	75	N	6.5	1														CONNECT TO STR. NO. 108
111	94+35		X		12	2	PIPE	3	2.3	976.31	976.28	75	N	6.5	2														CONNECT TO STR. NO. 112
112	94+35		X		15	2	PIPE	106	4.3	974.09	973.77	75	N	6.5	73														CONNECT TO STR. NO. 107
113	94+35		X		12	2	PIPE	25	3.9	974.81	974.56	75	N	6.5	15														MODIFIED BY DEPTH CONNECT TO STR. NO. 112
114	95+60		X		12	2	PIPE	3	2.3	976.69	976.66	75	N	6.5	2														CONNECT TO STR. NO. 115
115	95+60		X		15	2	PIPE	121	4.2	974.47	974.09	75	N	6.5	82														CONNECT TO STR. NO. 112
116	95+60		X		12	2	PIPE	25	3.9	975.19	974.94	75	N	6.5	15														MODIFIED BY DEPTH CONNECT TO STR. NO. 115
117	99+58.9		X		12	2	PIPE	18	1.0	979.30	979.22	75	N	6.5	4														CONNECT TO STR. NO. 118
118	99+54.5		X				EXISTING STORM INLET			* 981.70																			ADJUST CASTING TO GRADE
LINE "A" (SANITARY)																													
200	59+30.6		X				EXISTING SANITARY MANHOLE			* 950.57																			ADJUST CASTING TO GRADE
201	60+19.7		X				EXISTING SANITARY MANHOLE			* 950.21																			ADJUST CASTING TO GRADE
202	61+66.7		X				EXISTING SANITARY MANHOLE			* 951.48																			ADJUST CASTING TO GRADE
203	61+92.7		X				EXISTING SANITARY MANHOLE			* 951.95																			ADJUST CASTING TO GRADE
204	63+45		X				EXISTING SANITARY MANHOLE			* 957.81																			ADJUST CASTING TO GRADE
205	63+47.6		X				EXISTING SANITARY MANHOLE			* 958.21																			ADJUST CASTING TO GRADE

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	PIPE TYPE	MANHOLE, INLET CATCH BASIN OR SPECIALTY STRUCTURE	LENGTH FT.	SKEW	COVER	FLOW LINE		LIFE SERVICE YR.	SITE DESIGNATION	PH	STRUCTURE BACKFILL		RELINE EXISTING SEWER FT.	RELINE EXISTING MANHOLE EA.	RECONSTRUCT EXISTING MANHOLE FT.	GRATED BOX END SECTION			SAFETY METAL END SECTION		REMARKS			
											UP STREAM ELEV.	DOWN STREAM ELEV.				TYPE	SLP				EA.	SLP	EA.						
											CYS.	CYS.																	
LINE "A" (SANITARY)																													
206	64+98.1		X				EXISTING SANITARY MANHOLE			* 965.33																			ADJUST CASTING TO GRADE
207	66+07.6		X				EXISTING SANITARY MANHOLE			* 968.71																			ADJUST CASTING TO GRADE
208	66+16.7		X				EXISTING SANITARY MANHOLE			* 968.91																			ADJUST CASTING TO GRADE
209	69+31.2		X				EXISTING SANITARY MANHOLE			* 974.68																			ADJUST CASTING TO GRADE
210	69+45.1		X				EXISTING SANITARY MANHOLE			* 974.93																			ADJUST CASTING TO GRADE
211	72+07		X				EXISTING SANITARY MANHOLE			* 974.12																			ADJUST CASTING TO GRADE
212	72+77.2		X				EXISTING SANITARY MANHOLE			* 972.52																			ADJUST CASTING TO GRADE
213	72+77.7		X				EXISTING SANITARY MANHOLE			* 972.52																			ADJUST CASTING TO GRADE
214	74+53.4		X				EXISTING SANITARY MANHOLE			* 970.84																			ADJUST CASTING TO GRADE
215	74+94.7		X				EXISTING SANITARY MANHOLE			* 970.73																			ADJUST CASTING TO GRADE
216	74+95.4		X				EXISTING SANITARY MANHOLE			* 970.61																			ADJUST CASTING TO GRADE
217	76+81.5		X				EXISTING SANITARY MANHOLE			* 971.71																			ADJUST CASTING TO GRADE
218	78+35.4		X				EXISTING SANITARY MANHOLE			* 972.73																			ADJUST CASTING TO GRADE
219	78+56.3		X				EXISTING SANITARY MANHOLE			* 973.05																			ADJUST CASTING TO GRADE
220	80+26.4		X				EXISTING SANITARY MANHOLE			* 974.16																			ADJUST CASTING TO GRADE
221	83+53.7		X				EXISTING SANITARY MANHOLE			* 975.83																			ADJUST CASTING TO GRADE
222	83+59.9		X				EXISTING SANITARY MANHOLE			* 976.00																			ADJUST CASTING TO GRADE
223	83+62.5		X				EXISTING SANITARY MANHOLE			* 975.89																			ADJUST CASTING TO GRADE
224	86+72		X				EXISTING SANITARY MANHOLE			* 977.09																			ADJUST CASTING TO GRADE
225	87+24.9		X				EXISTING SANITARY MANHOLE			* 977.39																			ADJUST CASTING TO GRADE
226	90+88.5		X				EXISTING SANITARY MANHOLE			* 979.08																			ADJUST CASTING TO GRADE
227	92+84.5		X				EXISTING SANITARY MANHOLE			* 980.49																			ADJUST CASTING TO GRADE

ITEM	QUANTITY	ITEM	QUANTITY
PIPE, TYPE 2, CIRCULAR, 10 IN.	5 LFT.	MANHOLE, K4	5 EA.
PIPE, TYPE 2, CIRCULAR, 12 IN.	1,326 LFT.	STRUCTURE, MANHOLE, RECONSTRUCTED	25 LFT.
PIPE, TYPE 2, CIRCULAR, 15 IN. (FROM STRUCTURE DATA TABLE 1,367 LFT.) (UNDISTRIBUTED FOR CONNECTING UNKNOWN PIPES 300 LFT.)	1,667 LFT.	PIPE LINER CURED-IN-PLACE	1881 LFT.
PIPE, TYPE 2, CIRCULAR, 18 IN.	231 LFT.	MANHOLE INTERIOR PROTECTIVE COATING	8 EA.
PIPE, TYPE 2, CIRCULAR, 30 IN.	10 LFT.	CASTING, 4, FURNISH AND ADJUST TO GRADE	36 EA.
PIPE, TYPE 2, CIRCULAR, 33 IN.	16 LFT.		
PIPE, TYPE 2, CIRCULAR, 36 IN.	30 LFT.	STRUCTURE BACKFILL, TYPE 2	1338 CYS.
PIPE, TYPE 2, CIRCULAR, 42 IN.	10 LFT.	STRUCTURE BACKFILL, TYPE 5 (FROM STRUCTURE DATA TABLE 165 CYS.) (UNDISTRIBUTED 500 CYS.)	690 CYS.
PIPE, TYPE 2, DEFORMED, MIN. AREA 7.4 SFT (45 IN. X 29 IN.)	10 LFT.		
PIPE, PVC, 2 IN	40 LFT.		
INLET, J10	44 EA.	INLET, REMOVE	24 EA.
INLET, M10	23 EA.	MANHOLE, REMOVE	5 EA.
INLET, J10 MODIFIED	3 EA.	PIPE, REMOVE	1000 LFT.
INLET, M10 MODIFIED	1 EA.	PIPE PLUG EXISTING (UNDISTRIBUTED)	15 EA.
MANHOLE, C4	22 EA.	VIDEO INSPECTION FOR PIPE	3000 LFT.

PIPE MATERIALS TABLE

STRUCTURE NUMBER	12	13	14	16	17	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	33	35	36		
PIPE TYPE/ SHAPE	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR		
SMOOTH PIPE SIZE (Inches unless noted SFT.)	12	12	12	12	12	12	12	12	12	12	15	12	12	15	15	12	12	15	12	15	30	12	12		
CORRUGATED PIPE SIZE																									
RCP/ RCHEP (S)	CLASS	IV	IV	IV	II																				
	D0.01 RATING	1500	1500	1500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)					OK																				
CORRUGATED PE PIPE, TYPE S (S) *					OK																				
RIBBED PE PIPE (S) *																									
SMOOTH WALL PE PIPE (S)*/ MAXIMUM DR 26.00					OK																				
PROFILE WALL PVC PIPE (S)					OK																				
SMOOTH WALL PVC PIPE (S)					OK																				
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)					OK																				
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (LS)																						2 2/3" X 1/2" 0.138 IN.		
	FULLY BIT. COATED & LINED (RIVETED)																						2 2/3" X 1/2" 0.138 IN.		
	ZINC COATED (C)																								
	ZINC COATED W/ BPI (C)																								
	ALUM. COATED TYPE 2 (C)																								
	ALUM. COATED TYPE 2 W/ BPI (C)																								
	POLYMER PRECOATED GALVANIZED TYPE 1A (S)																								
	POLYMER PRECOATED GALVANIZED (C)																								
	FIBER BONDED BITUMINOUS COATED (C)																								
	CORRUGATED ALUM. ALLOY PIPE (LS)																								
	CORRUGATED ALUM. ALLOY PIPE (RIVETED)																								
	STR. PLATE ALUMINUM ALLOY PIPE (C)																								
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																								
	STR. PLATE STEEL PIPE (C)																								
	STR. PLATE STEEL PIPE W/ CFP (C)																								

PIPE MATERIALS TABLE

STRUCTURE NUMBER	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
PIPE TYPE/ SHAPE	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/DEFORMED	2/CIR	2/CIR	2/CIR	2/CIR	
SMOOTH PIPE SIZE (Inches unless noted SFT.)	15	15	12	12	12	15	12	12	15	12	12	12	15	12	15	15	12	12	7.4 SFT.	12	12	15	12	
CORRUGATED PIPE SIZE																								
RCP/ RCHEP (S)	CLASS	II	HE-A	II	II	II	II																	
	D0.01 RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	600	1000	1000	1000	1000	
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)					OK	OK	OK	OK	OK															
CORRUGATED PE PIPE, TYPE S (S) *					OK	OK	OK	OK	OK															
RIBBED PE PIPE (S) *																								
SMOOTH WALL PE PIPE (S)*/ MAXIMUM DR 26.00					OK	OK	OK	OK	OK															
PROFILE WALL PVC PIPE (S)					OK	OK	OK	OK	OK															
SMOOTH WALL PVC PIPE (S)					OK	OK	OK	OK	OK															
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)					OK	OK	OK	OK	OK															
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (LS)																							
	FULLY BIT. COATED & LINED (RIVETED)																							
	ZINC COATED (C)																							
	ZINC COATED W/ BPI (C)																							
	ALUM. COATED TYPE 2 (C)																							
	ALUM. COATED TYPE 2 W/ BPI (C)																							
	POLYMER PRECOATED GALVANIZED TYPE 1A (S)																							
	POLYMER PRECOATED GALVANIZED (C)																							
	FIBER BONDED BITUMINOUS COATED (C)																							
	CORRUGATED ALUM. ALLOY PIPE (LS)																							
	CORRUGATED ALUM. ALLOY PIPE (RIVETED)																							
	STR. PLATE ALUMINUM ALLOY PIPE (C)																							
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																							
	STR. PLATE STEEL PIPE (C)																							
	STR. PLATE STEEL PIPE W/ CFP (C)																							

LEGEND

RCP- REINFORCED CONCRETE PIPE
 RCHEP- REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
 PE- POLYETHYLENE
 DR- DIMENSION RATIO

PVC- POLYVINYL CHLORIDE
 BIT- BITUMINOUS
 CORR- CORRUGATION
 BPI- BITUMINOUS PAVED INVERT
 ALUM- ALUMINUM
 STR- STRUCTURAL
 CFP- CONCRETE FIELD PAVING

CIR- CIRCULAR PIPE
 DEF- DEFORMED PIPE
 (S)- SMOOTH PIPE MATERIAL
 (C)- CORRUGATED PIPE MATERIAL
 OK- ACCEPTABLE FOR USE
 (LS)- LOCK SEAM PIPE REQUIRED
 RCBC- REINFORCED CONCRETE BOX CULVERT

*- REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER

**- TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION

U.S. 40 PIPE MATERIALS TABLE

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 76 of 105
CONTRACT R-30397	PROJECT 0013790

PIPE MATERIALS TABLE

STRUCTURE NUMBER	60	61	62	63	65	66	67	68	68	68	69	70	71	71	71	72	73	74	76	77	78	79	80
PIPE TYPE/ SHAPE	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
SMOOTH PIPE SIZE (Inches unless noted SFT.)	12	12	15	12	15	12	12	10	36	42	12	12	12	36	36	12	18	12	12	18	12	12	18
CORRUGATED PIPE SIZE																							
RCP/ RCHEP (S)	CLASS	II																					
	D0.01 RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S) *	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
RIBBED PE PIPE (S) *																							
SMOOTH WALL PE PIPE (S)*/ MAXIMUM DR 26.00	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
PROFILE WALL PVC PIPE (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
SMOOTH WALL PVC PIPE (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (LS)	CORR. PROFILE THICKNESS																						
	FULLY BIT. COATED & LINED (RIVETED)	CORR. PROFILE THICKNESS							2 2/3" X 1/2" 0.138 IN.	2 2/3" X 1/2" & 3" X 1" 0.138 IN.				2 2/3" X 1/2" 0.138 IN.	2 2/3" X 1/2" 0.138 IN.									
	ZINC COATED (C)	CORR. PROFILE THICKNESS																						
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED TYPE 1A (S)	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE THICKNESS																						
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE (LS)	CORR. PROFILE THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE (RIVETED)	CORR. PROFILE THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE THICKNESS																						
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **																						
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **																						

PIPE MATERIALS TABLE

STRUCTURE NUMBER	81	82	83	84	85	86	87	88	89	90	91	92	93	94	96	97	98	100	101	102	103	103	104
PIPE TYPE/ SHAPE	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
SMOOTH PIPE SIZE (Inches unless noted SFT.)	12	18	12	15	12	12	12	12	12	15	12	12	15	12	12	15	12	12	15	12	33	33	12
CORRUGATED PIPE SIZE																							
RCP/ RCHEP (S)	CLASS	II																					
	D0.01 RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S) *	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
RIBBED PE PIPE (S) *																							
SMOOTH WALL PE PIPE (S)*/ MAXIMUM DR 26.00	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
PROFILE WALL PVC PIPE (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
SMOOTH WALL PVC PIPE (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (LS)	CORR. PROFILE THICKNESS																			2 2/3" X 1/2" 0.138 IN.	2 2/3" X 1/2" 0.138 IN.		
	FULLY BIT. COATED & LINED (RIVETED)	CORR. PROFILE THICKNESS																			2 2/3" X 1/2" 0.138 IN.	2 2/3" X 1/2" 0.138 IN.		
	ZINC COATED (C)	CORR. PROFILE THICKNESS																						
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED TYPE 1A (S)	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE THICKNESS																						
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE (LS)	CORR. PROFILE THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE (RIVETED)	CORR. PROFILE THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE THICKNESS																						
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **																						
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **																						

LEGEND

RCP-	REINFORCED CONCRETE PIPE	PVC-	POLYVINYL CHLORIDE	CIR-	CIRCULAR PIPE
RCHEP-	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE	BIT-	BITUMINOUS	DEF-	DEFORMED PIPE
PE-	POLYETHYLENE	CORR-	CORRUGATION	(S)-	SMOOTH PIPE MATERIAL
DR-	DIMENSION RATIO	BPI-	BITUMINOUS PAVED INVERT	(C)-	CORRUGATED PIPE MATERIAL
		ALUM-	ALUMINUM	OK-	ACCEPTABLE FOR USE
		STR-	STRUCTURAL	(LS)-	LOCK SEAM PIPE REQUIRED
		CFP-	CONCRETE FIELD PAVING	RCBC-	REINFORCED CONCRETE BOX CULVERT

*- REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER

**- TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

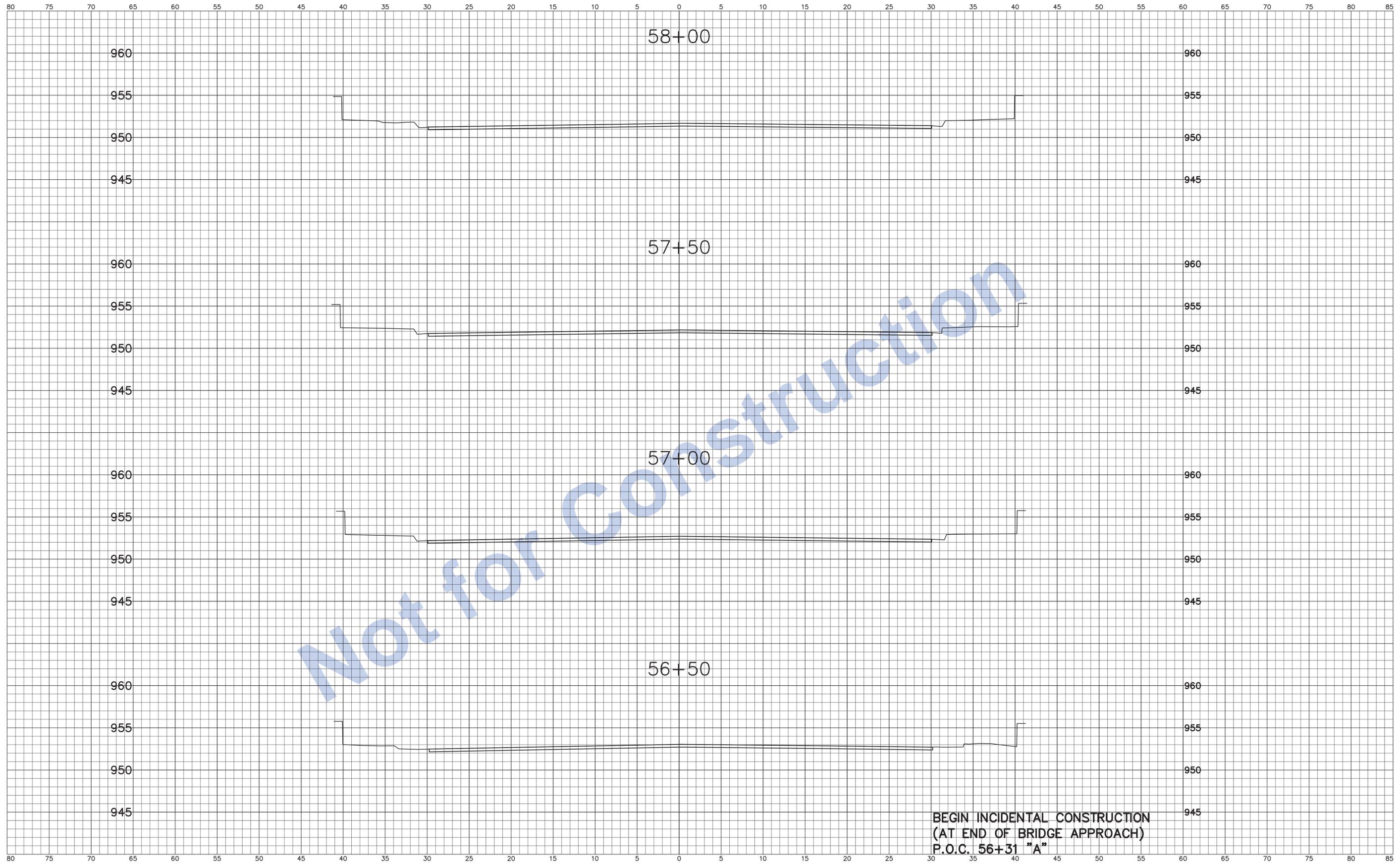
Stage 3 Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: J.P.H.	DRAWN: J.P.H.	
CHECKED: J.L.B.	CHECKED: J.L.B.	

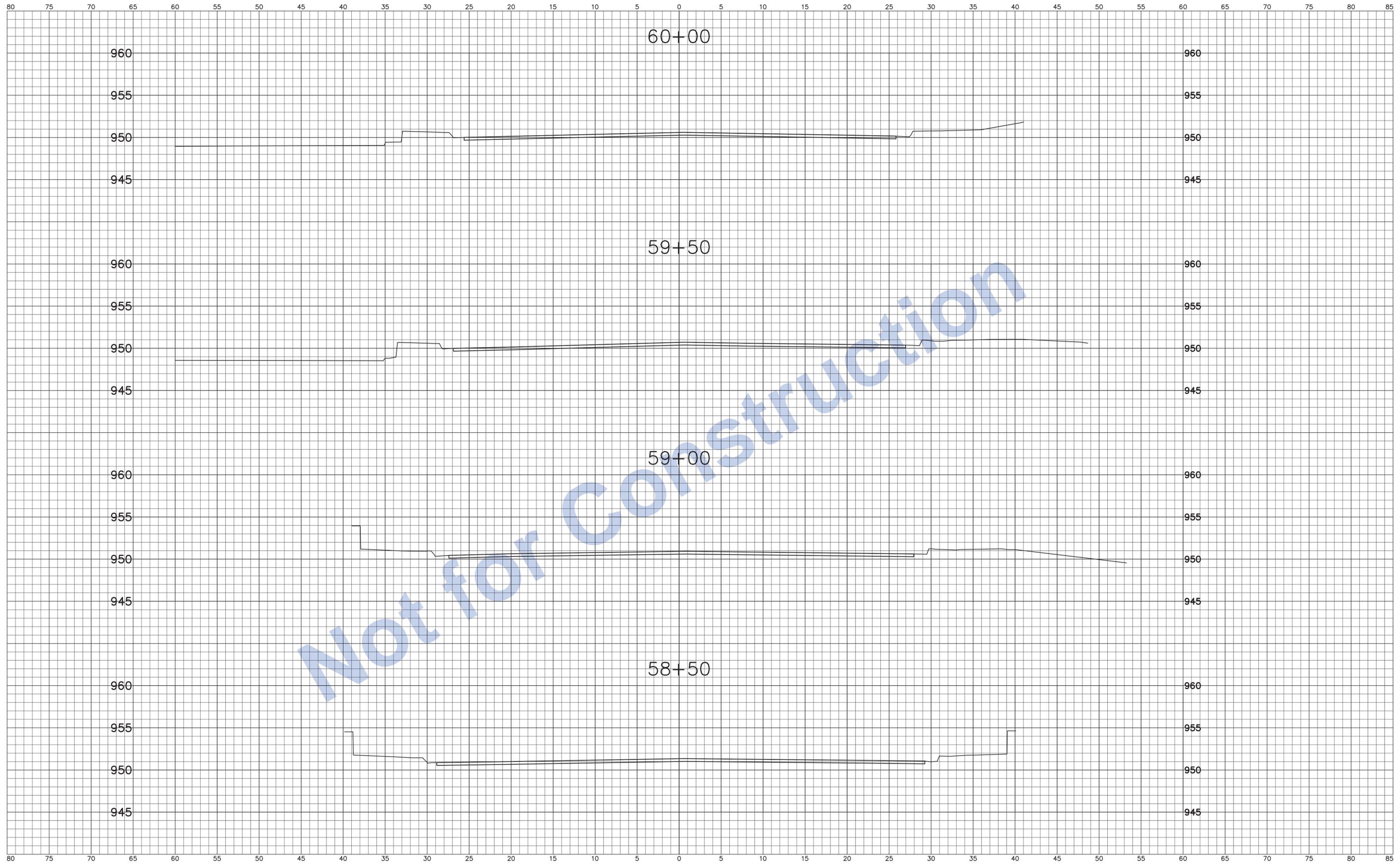
INDIANA DEPARTMENT OF TRANSPORTATION

U.S. 40 PIPE MATERIALS TABLE

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	0013790
SURVEY BOOK	SHEETS
17327	77 of 105
CONTRACT	PROJECT
R-30397	0013790



Stage 3 Plans	DESIGNED: J.P.H.	DRAWN: J.P.H.	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	CHECKED: J.L.B.	CHECKED: J.L.B.		Line "A" U.S. 40 Eastbound (South A Street)	1" = 5'
				VERTICAL SCALE	DESIGNATION
				1" = 5'	0013790
				SURVEY BOOK	SHEETS
				17327	79 of 105
				CONTRACT	PROJECT
				R-30397	0013790

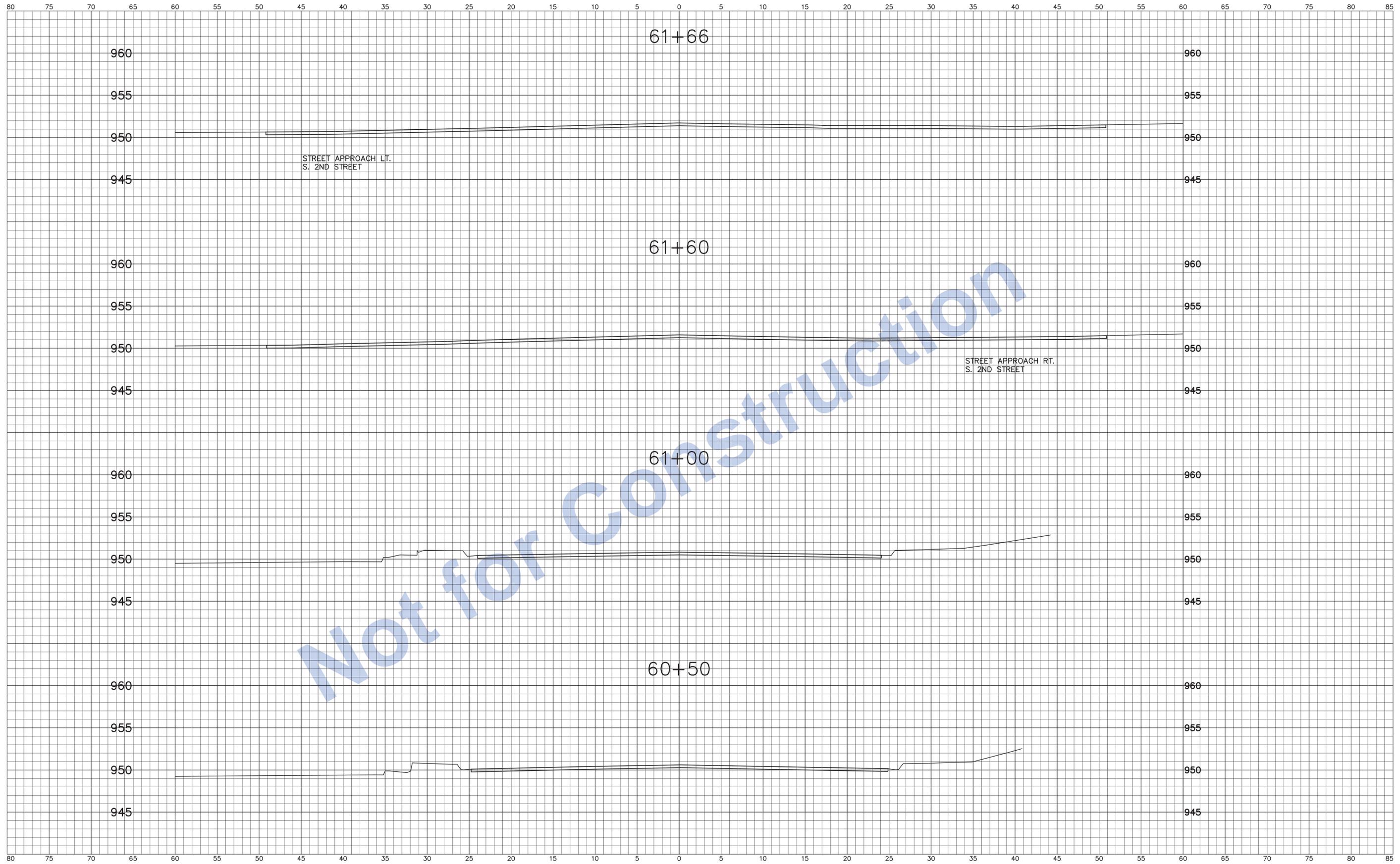


DESIGNED: J.P.H.		DRAWN: J.P.H.	
CHECKED: J.L.B.		CHECKED: J.L.B.	

Stage 3 Plans

INDIANA DEPARTMENT OF TRANSPORTATION	
Line "A" U.S. 40 Eastbound (South A Street)	

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 80 of 105
CONTRACT R-30397	PROJECT 0013790



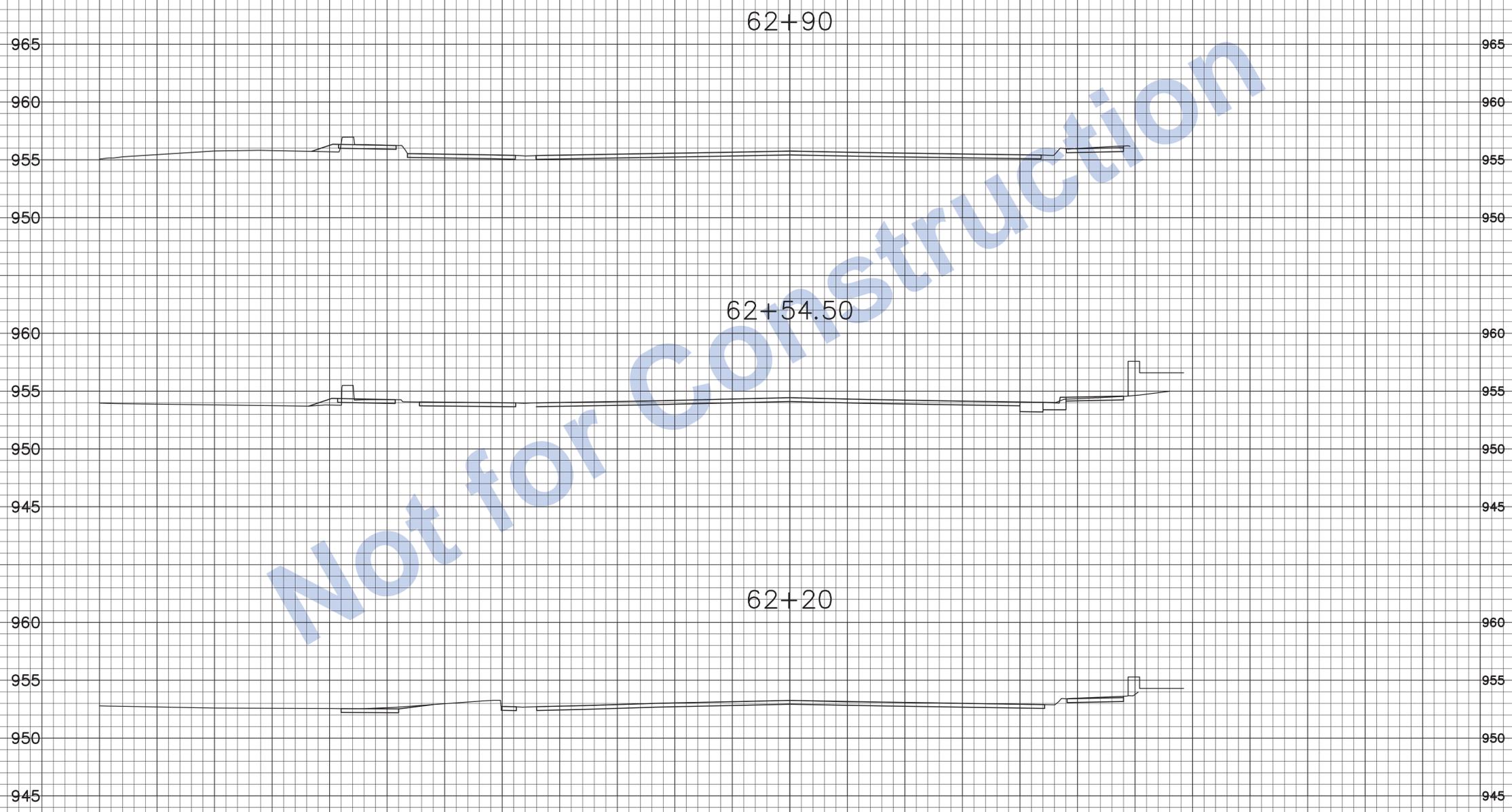
DESIGNED: J.P.H.		DRAWN: J.P.H.	
CHECKED: J.L.B.		CHECKED: J.L.B.	

Stage 3 Plans

INDIANA DEPARTMENT OF TRANSPORTATION	
Line "A" U.S. 40 Eastbound (South A Street)	

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 81 of 105
CONTRACT R-30397	PROJECT 0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



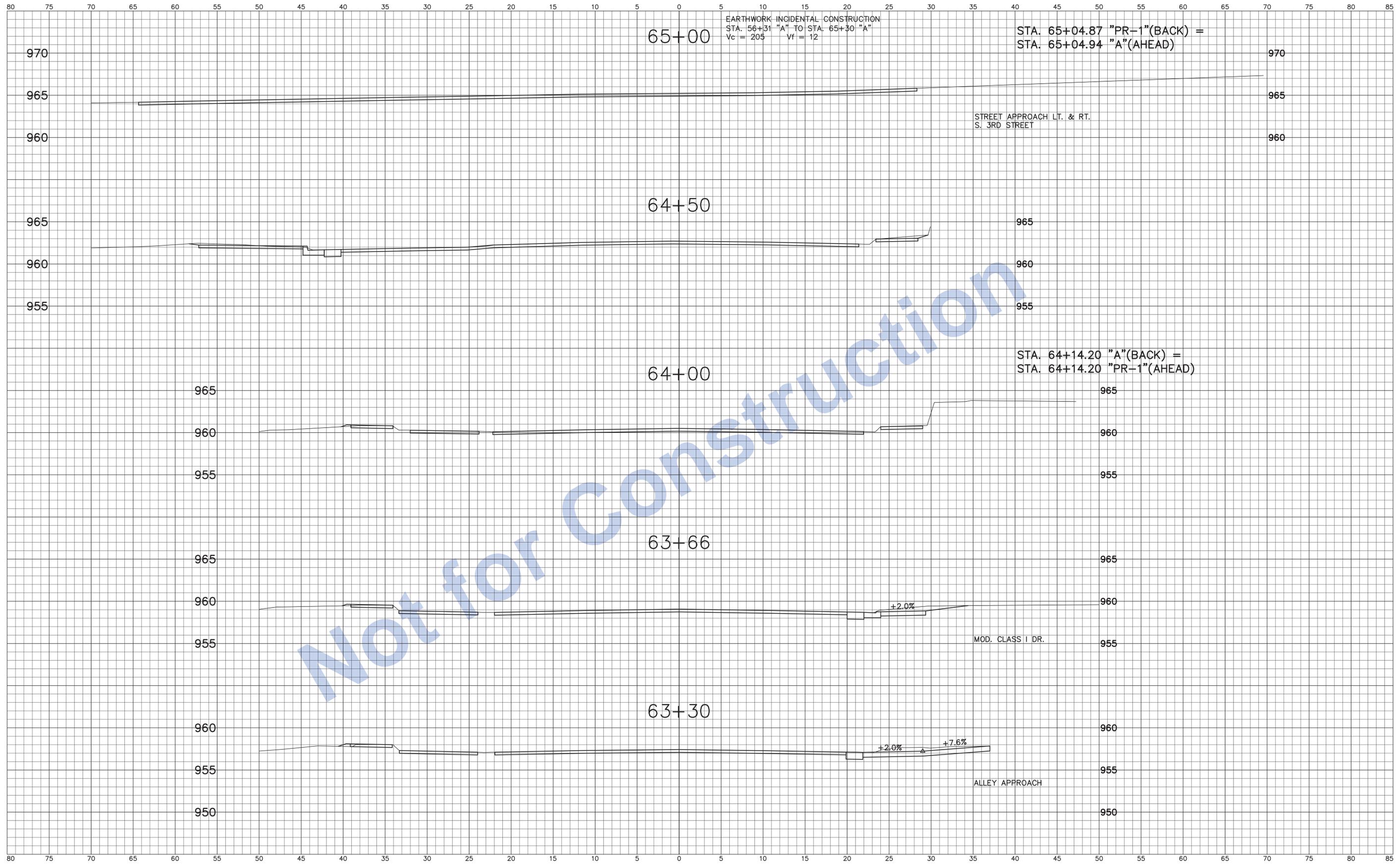
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DESIGNED: J.P.H. DRAWN: J.P.H. CHECKED: J.L.B. CHECKED: J.L.B.	
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Stage 3 Plans

INDIANA DEPARTMENT OF TRANSPORTATION	
Line "A" U.S. 40 Eastbound (South A Street)	

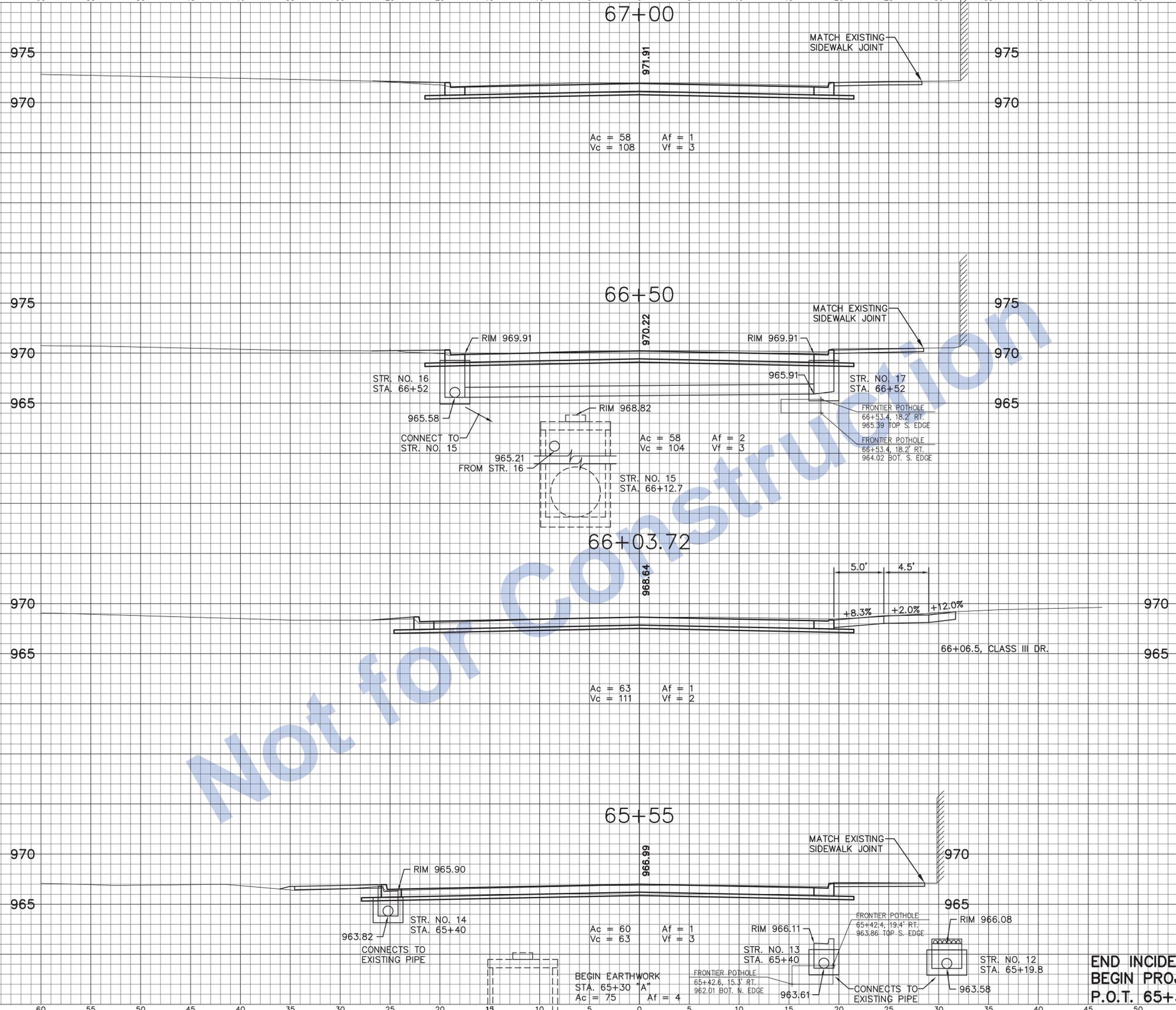
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	82 of 105
CONTRACT	PROJECT
R-30397	0013790



Not for Construction

Stage 3 Plans		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.	VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
CHECKED: J.L.B.	CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South A Street)	SURVEY BOOK 17327	SHEETS 83 of 105
			CONTRACT R-30397	PROJECT 0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



Ac = 58 Af = 1
Vc = 108 Vf = 3

Ac = 58 Af = 2
Vc = 104 Vf = 3

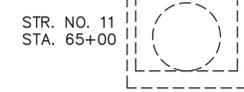
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Vc = 111 Vf = 2

Ac = 60 Af = 1
Vc = 63 Vf = 3

BEGIN EARTHWORK
STA. 65+30 "A"
Ac = 75 Af = 4

**END INCIDENTAL CONSTRUCTION
BEGIN PROJECT NO. 0013790
P.O.T. 65+30.00 "A"**

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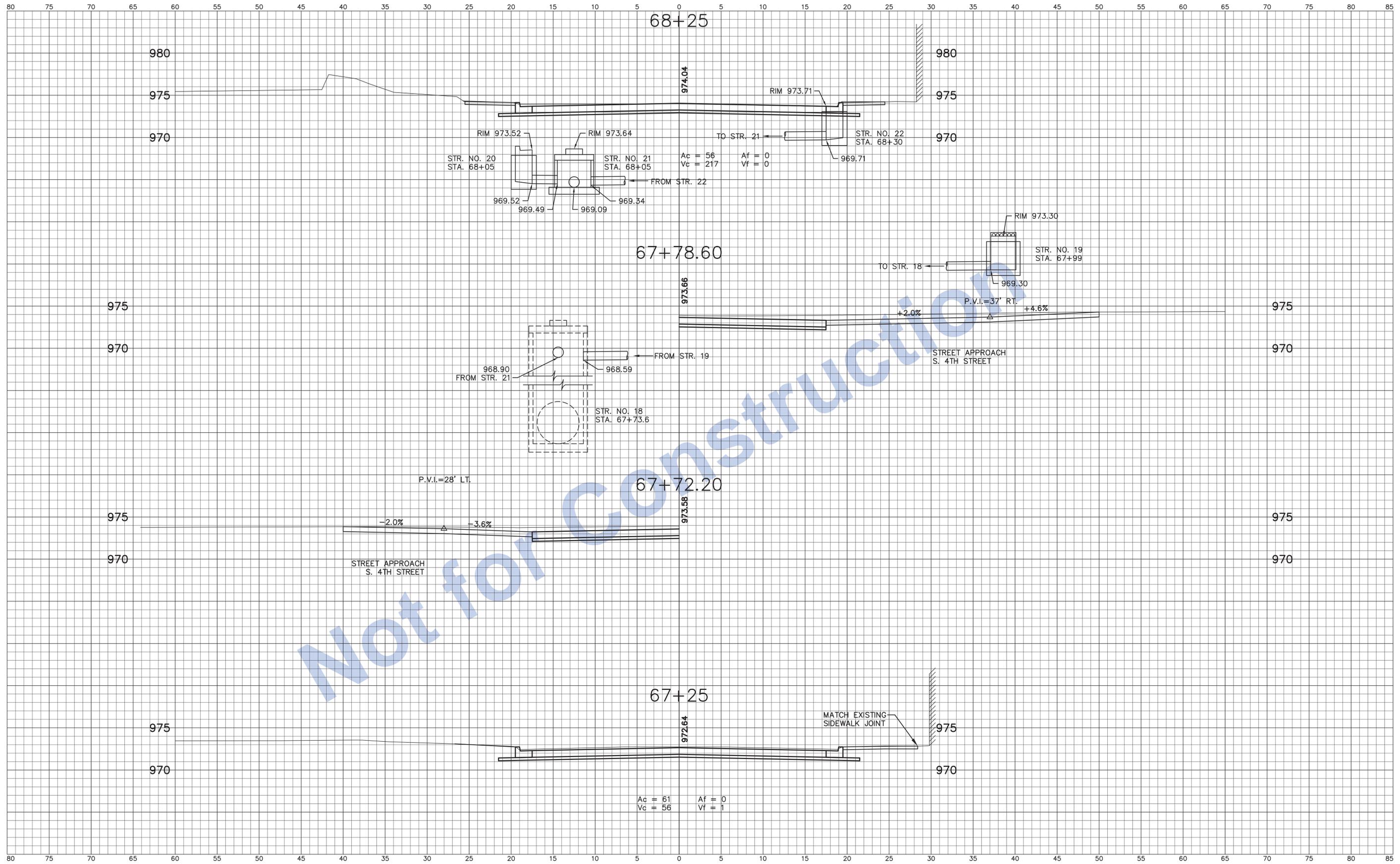
Stage 3 Plans

DESIGNED:	J.P.H.	DRAWN:	J.P.H.
CHECKED:	J.L.B.	CHECKED:	J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

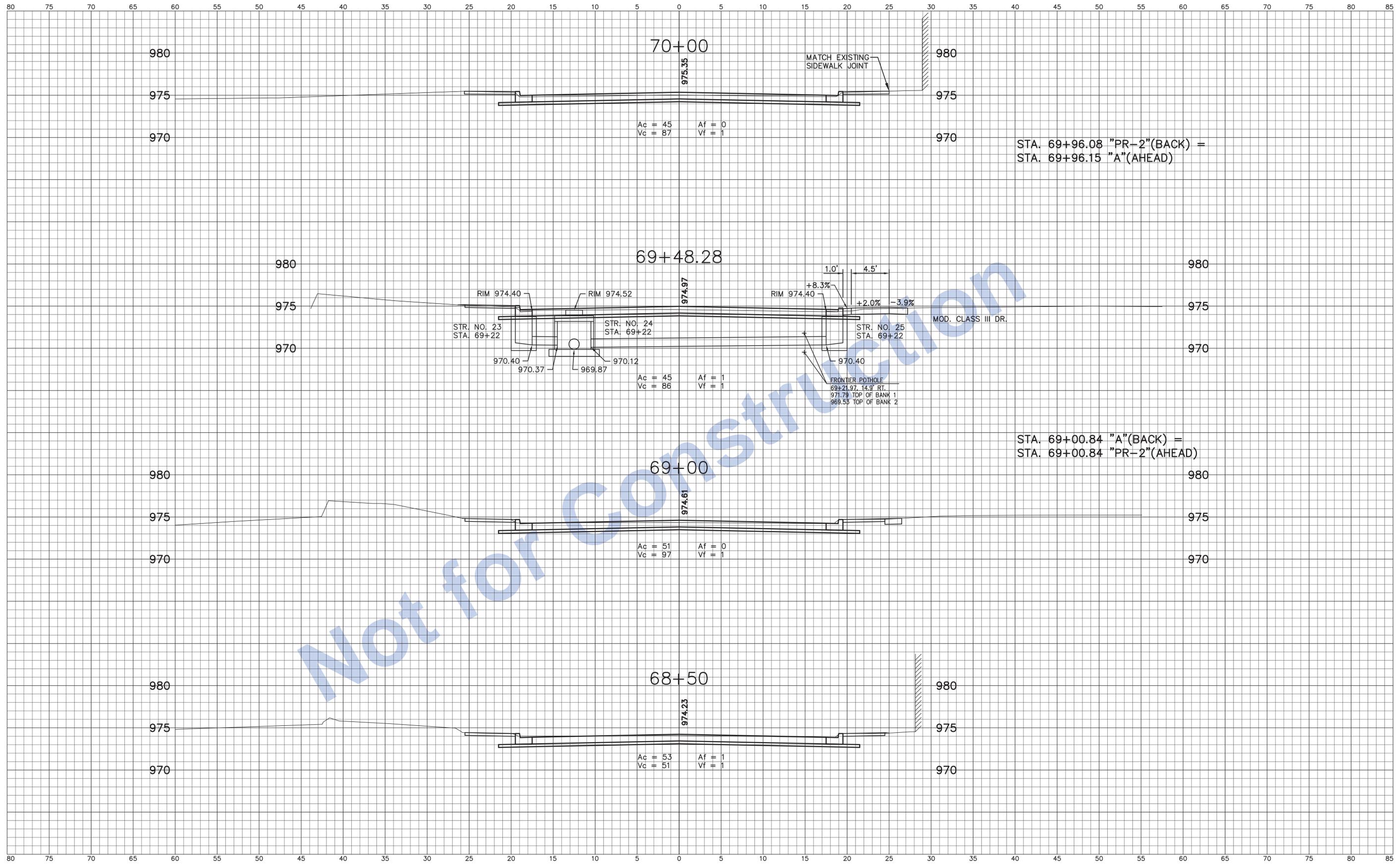
Line "A"
U.S. 40 Eastbound (South A Street)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	84 of 105
CONTRACT	PROJECT
R-30397	0013790



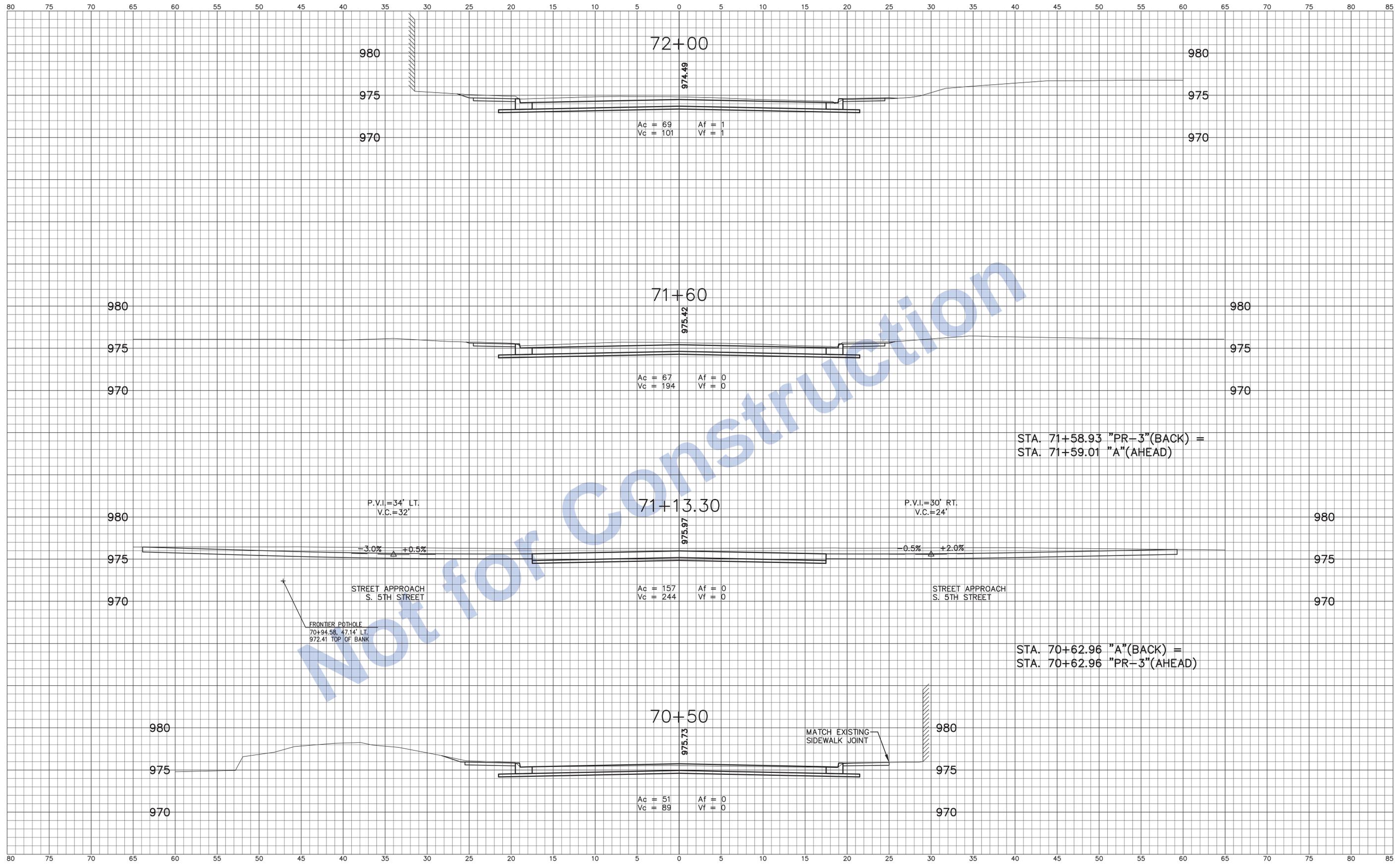
Not for Construction

<p style="font-size: 24px; transform: rotate(-45deg);">Stage 3 Plans</p>		<p>INDIANA DEPARTMENT OF TRANSPORTATION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>HORIZONTAL SCALE</td><td>BRIDGE FILE</td></tr> <tr><td>1" = 5'</td><td>N/A</td></tr> <tr><td>VERTICAL SCALE</td><td>DESIGNATION</td></tr> <tr><td>1" = 5'</td><td>0013790</td></tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 5'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	0013790							
	HORIZONTAL SCALE	BRIDGE FILE																
1" = 5'	N/A																	
VERTICAL SCALE	DESIGNATION																	
1" = 5'	0013790																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DESIGNED:</td><td>J.P.H.</td><td>DRAWN:</td><td>J.P.H.</td></tr> <tr><td>CHECKED:</td><td>J.L.B.</td><td>CHECKED:</td><td>J.L.B.</td></tr> </table>	DESIGNED:	J.P.H.	DRAWN:	J.P.H.	CHECKED:	J.L.B.	CHECKED:	J.L.B.	<p>Line "A" U.S. 40 Eastbound (South A Street))</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>SURVEY BOOK</td><td>SHEETS</td></tr> <tr><td>17327</td><td>85 of 105</td></tr> <tr><td>CONTRACT</td><td>PROJECT</td></tr> <tr><td>R-30397</td><td>0013790</td></tr> </table>	SURVEY BOOK	SHEETS	17327	85 of 105	CONTRACT	PROJECT	R-30397	0013790
DESIGNED:	J.P.H.	DRAWN:	J.P.H.															
CHECKED:	J.L.B.	CHECKED:	J.L.B.															
SURVEY BOOK	SHEETS																	
17327	85 of 105																	
CONTRACT	PROJECT																	
R-30397	0013790																	



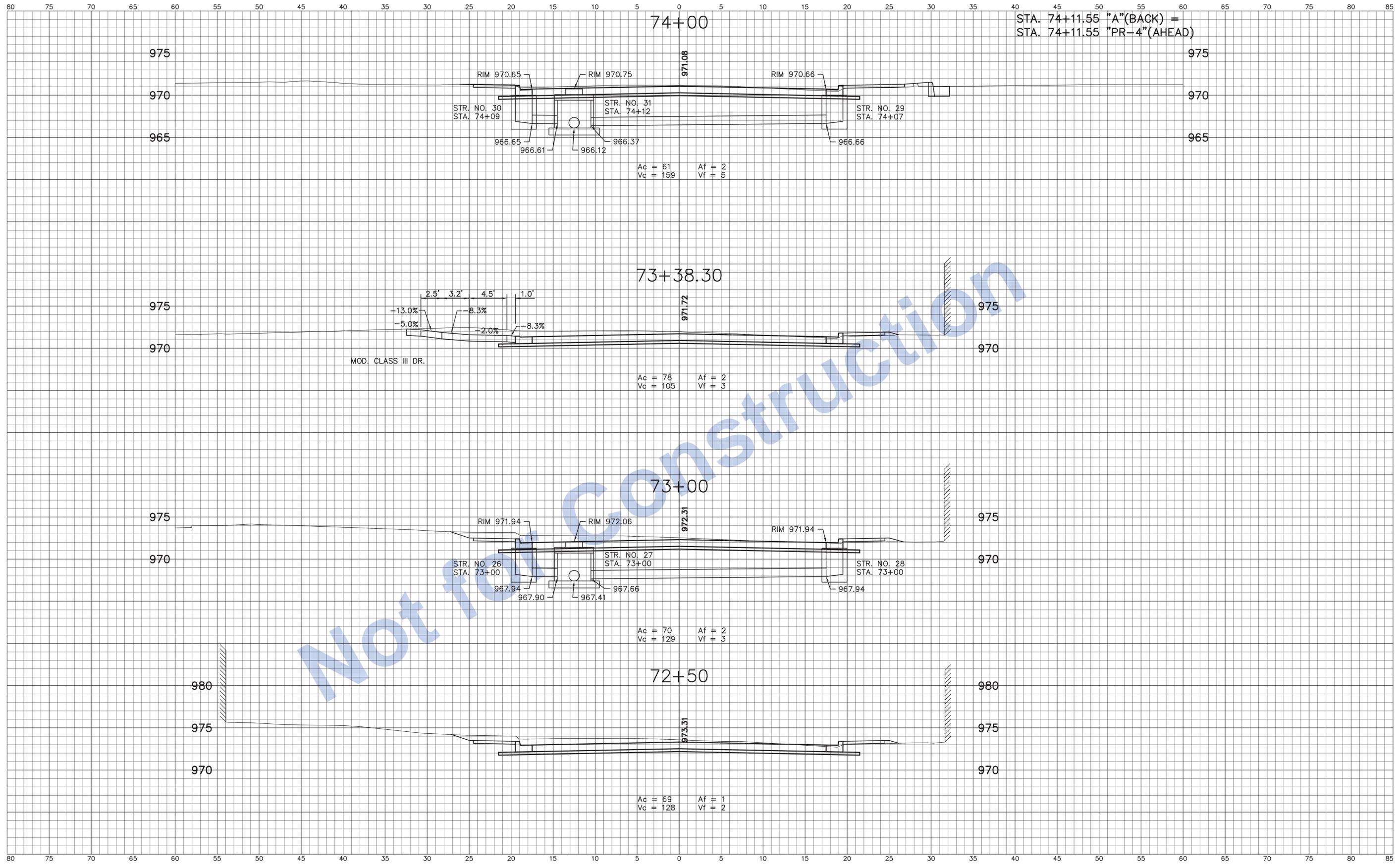
Not for Construction

<div style="transform: rotate(-45deg); font-weight: bold;">Stage 3 Plans</div>	DESIGNED: J.P.H.	DRAWN: J.P.H.	INDIANA DEPARTMENT OF TRANSPORTATION Line "A" U.S. 40 Eastbound (South A Street))	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
	CHECKED: J.L.B.	CHECKED: J.L.B.		VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
				SURVEY BOOK 17327	SHEETS 86 of 105
				CONTRACT R-30397	PROJECT 0013790



Not for Construction

Stage 3 Plans		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.	VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
CHECKED: J.L.B.	CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South A Street))	SURVEY BOOK 17327	SHEETS 87 of 105
			CONTRACT R-30397	PROJECT 0013790



STA. 74+11.55 "A"(BACK) =
 STA. 74+11.55 "PR-4"(AHEAD)

MOD. CLASS III DR.

Not for Construction

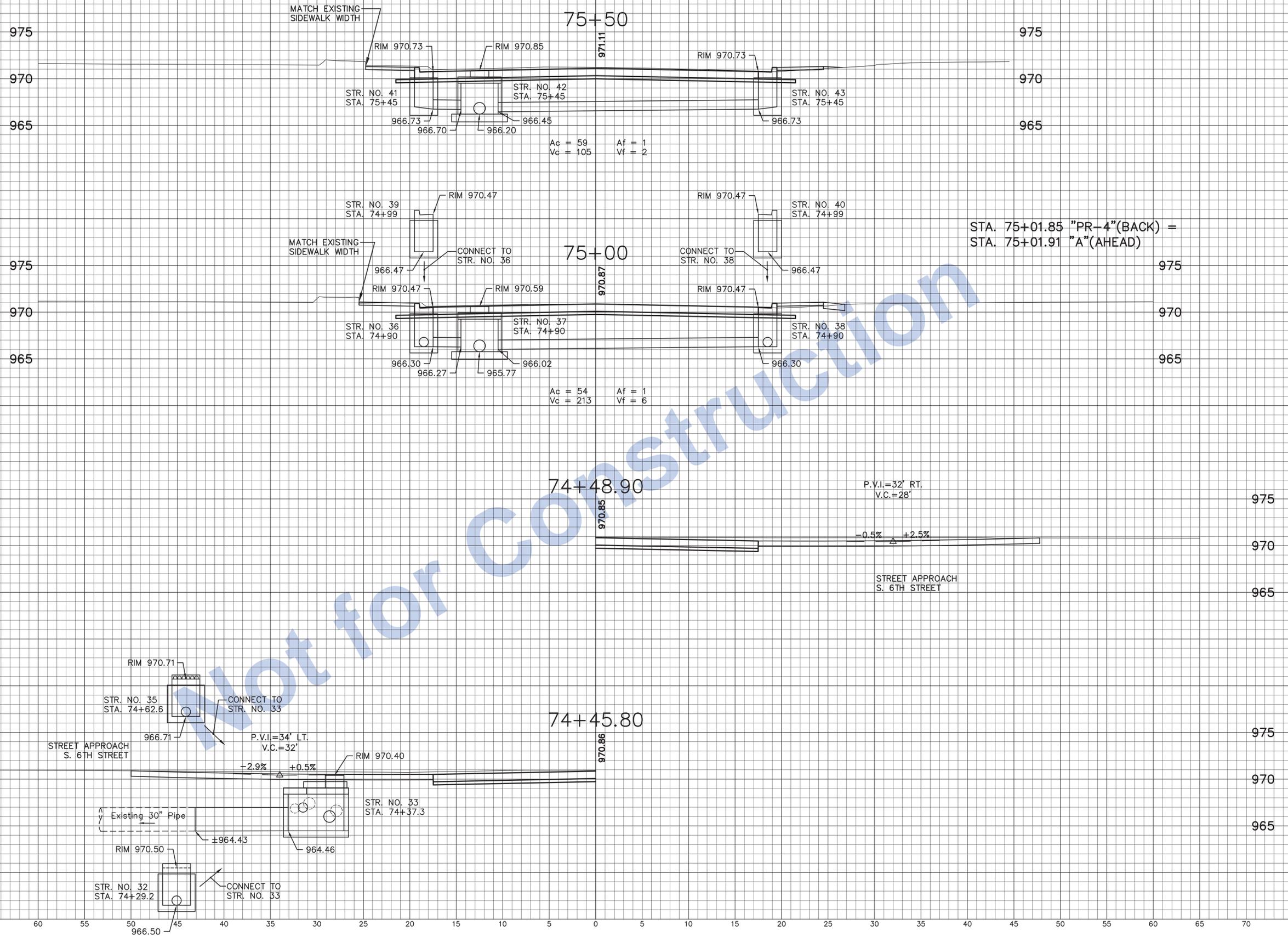
Stage 3 Plans

DESIGNED: J.P.H. DRAWN: J.P.H.
 CHECKED: J.L.B. CHECKED: J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION

 Line "A"
 U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	88 of 105
CONTRACT	PROJECT
R-30397	0013790



STA. 75+01.85 "PR-4"(BACK) =
STA. 75+01.91 "A"(AHEAD)

Stage 3 Plans

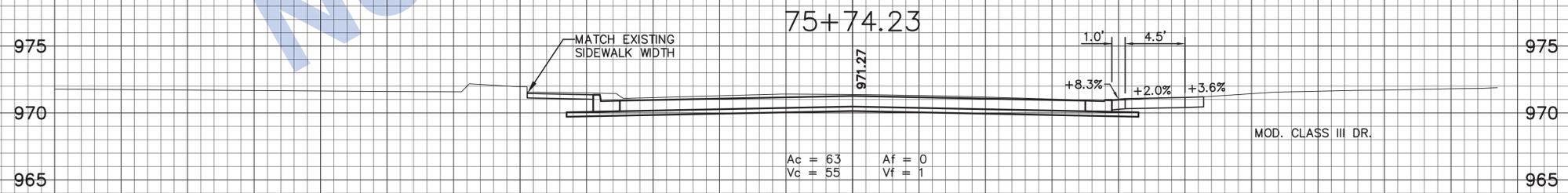
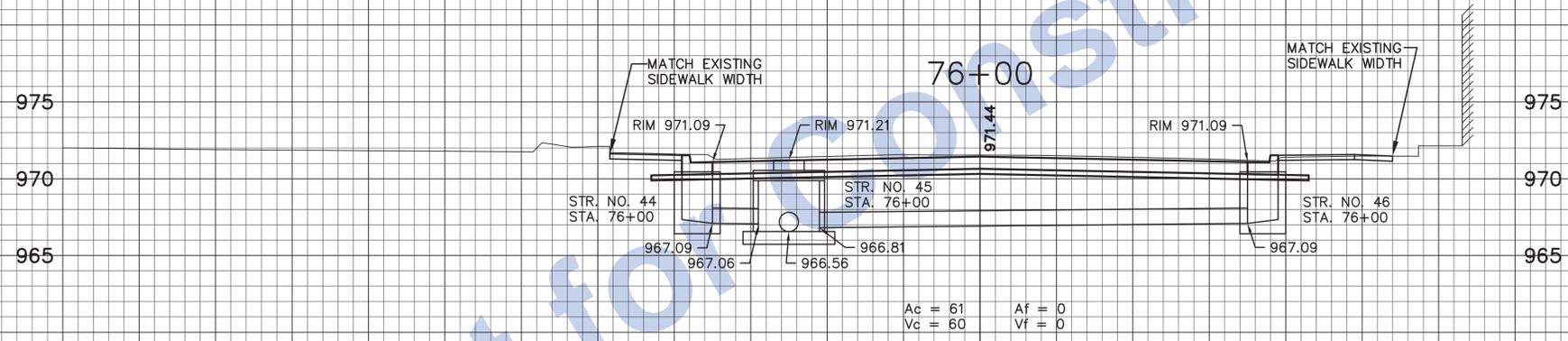
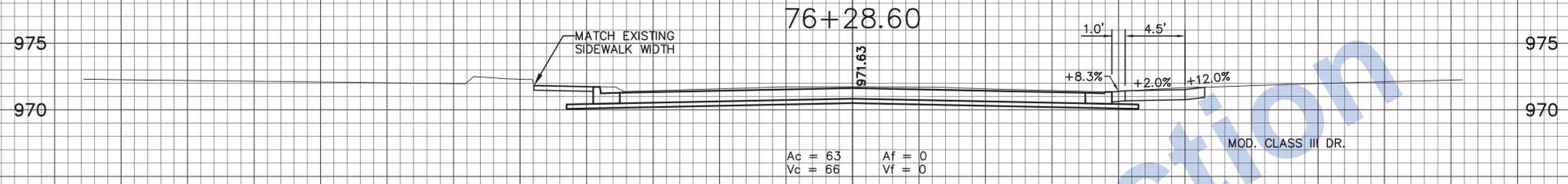
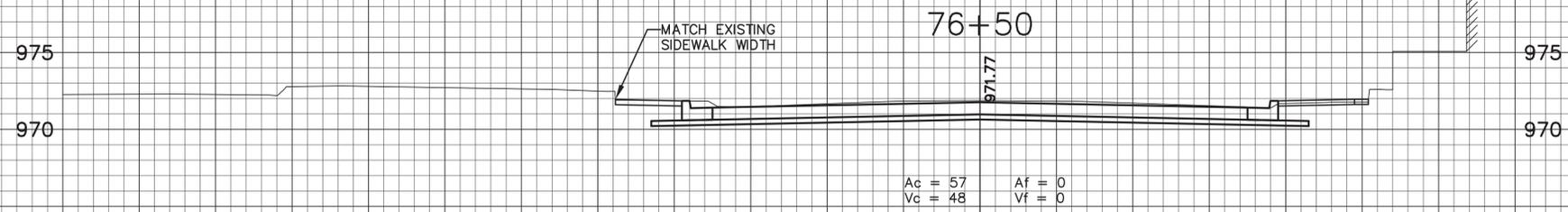
DESIGNED:	J.P.H.	DRAWN:	J.P.H.
CHECKED:	J.L.B.	CHECKED:	J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

Line "A"
U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	89 of 105
CONTRACT	PROJECT
R-30397	0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



Not for Construction

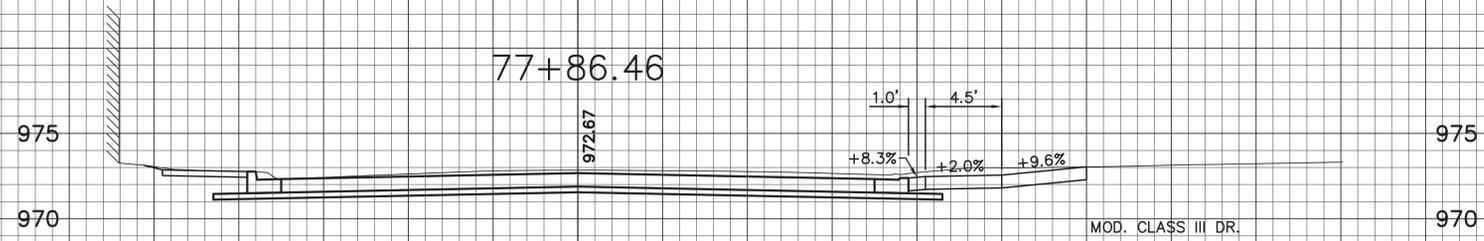
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Stage 3 Plans	
DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

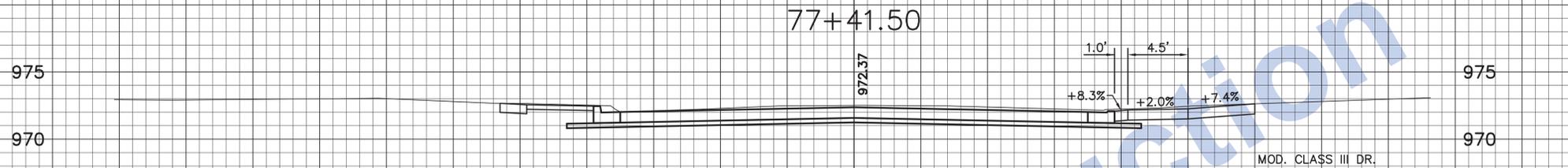
INDIANA DEPARTMENT OF TRANSPORTATION	
Line "A" U.S. 40 Eastbound (South A Street))	

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 90 of 105
CONTRACT R-30397	PROJECT 0013790

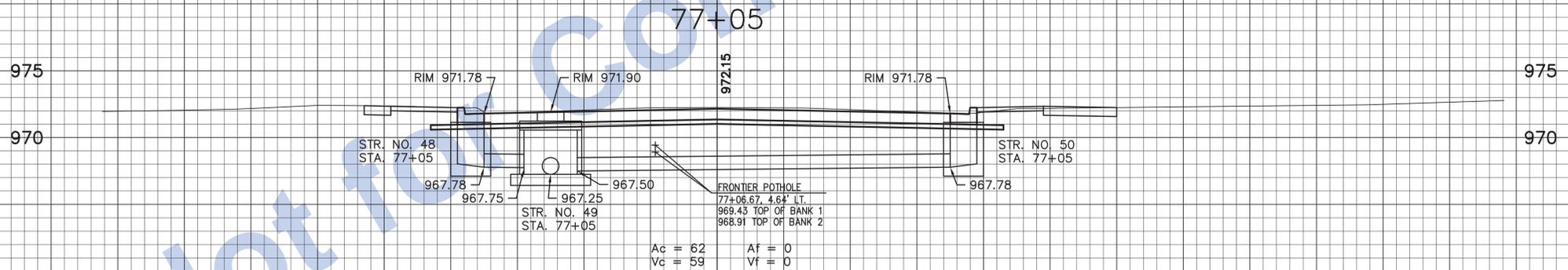
INDIANA DEPARTMENT OF TRANSPORTATION	
Line "A" U.S. 40 Eastbound (South A Street))	



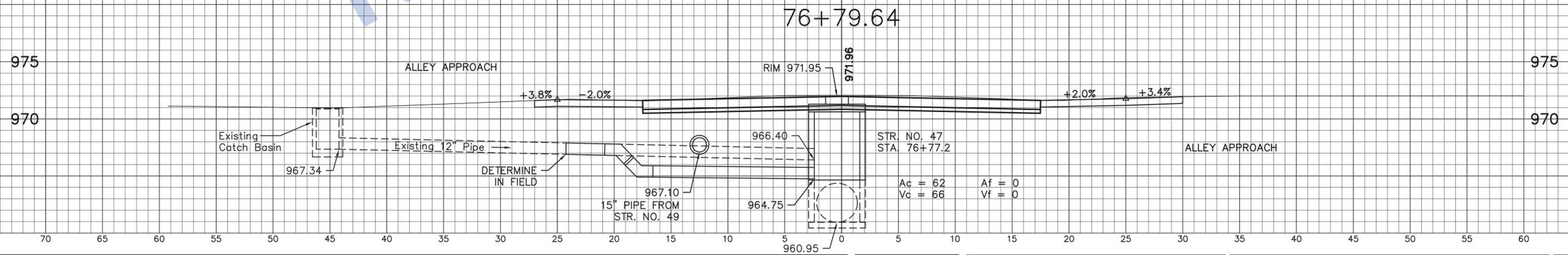
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Vc = 89 Vf = 0



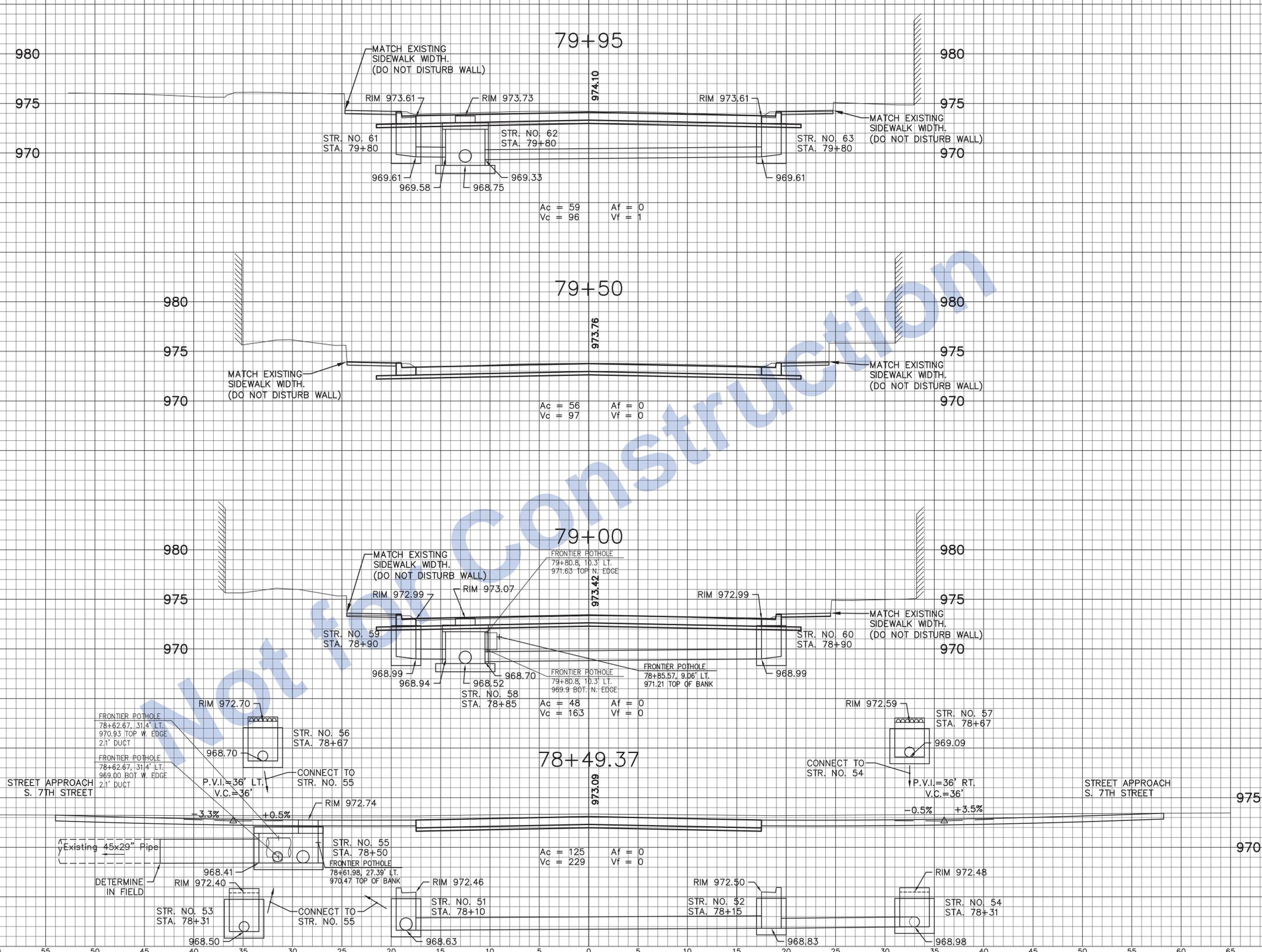
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Vc = 59 Vf = 0



Ac = 62 Af = 0
Vc = 66 Vf = 0

Not for Construction

Stage 3 Plans		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.	VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
CHECKED: J.L.B.	CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South A Street))	SURVEY BOOK 17327	SHEETS 91 of 105
			CONTRACT R-30397	PROJECT 0013790



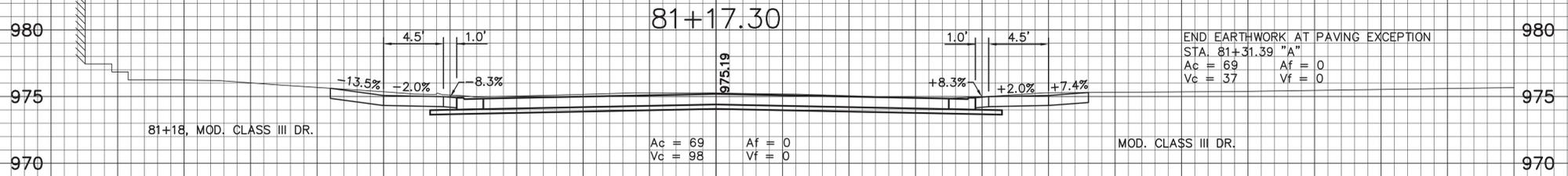
Stage 3 Plans

DESIGNED:	J.P.H.	DRAWN:	J.P.H.
CHECKED:	J.L.B.	CHECKED:	J.L.B.

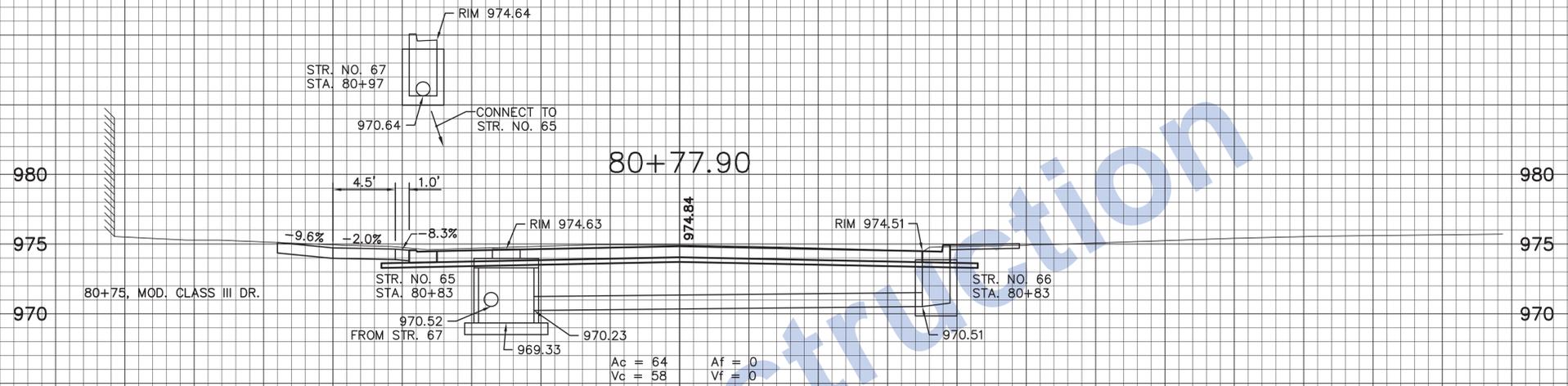
INDIANA DEPARTMENT OF TRANSPORTATION
Line "A"
U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	92 of 105
CONTRACT	PROJECT
R-30397	0013790

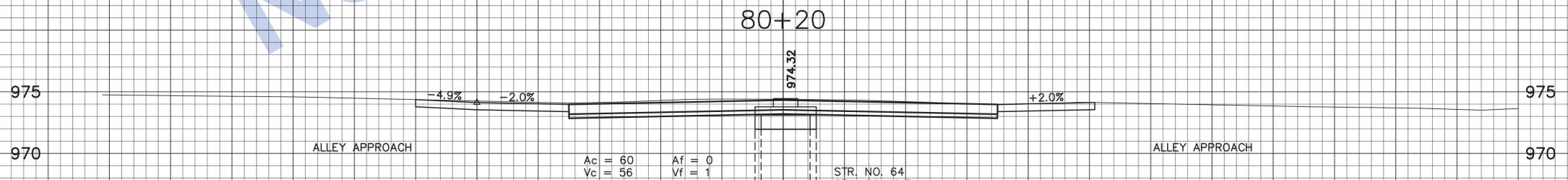
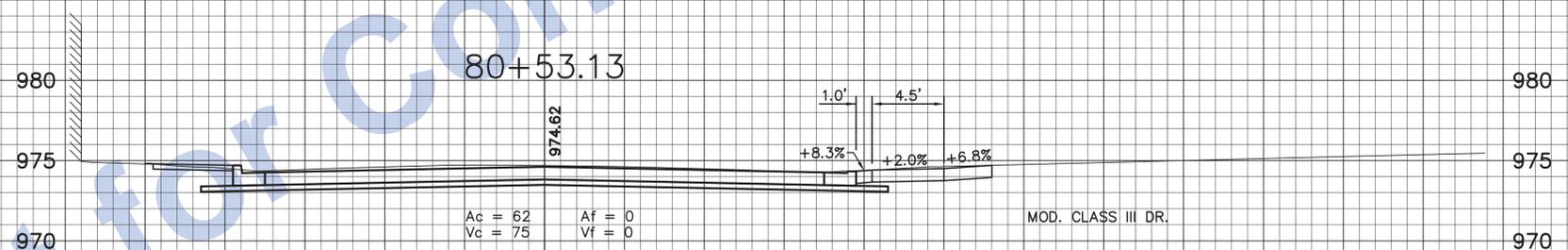
PAVING EXCEPTION FOR PROJECT DES. NO. 0100701
 STA. 81+31.39 "A" TO STA. 82+64.39 "A"



END EARTHWORK AT PAVING EXCEPTION
 STA. 81+31.39 "A"
 Ac = 69 Af = 0
 Vc = 37 Vf = 0



Not for Construction



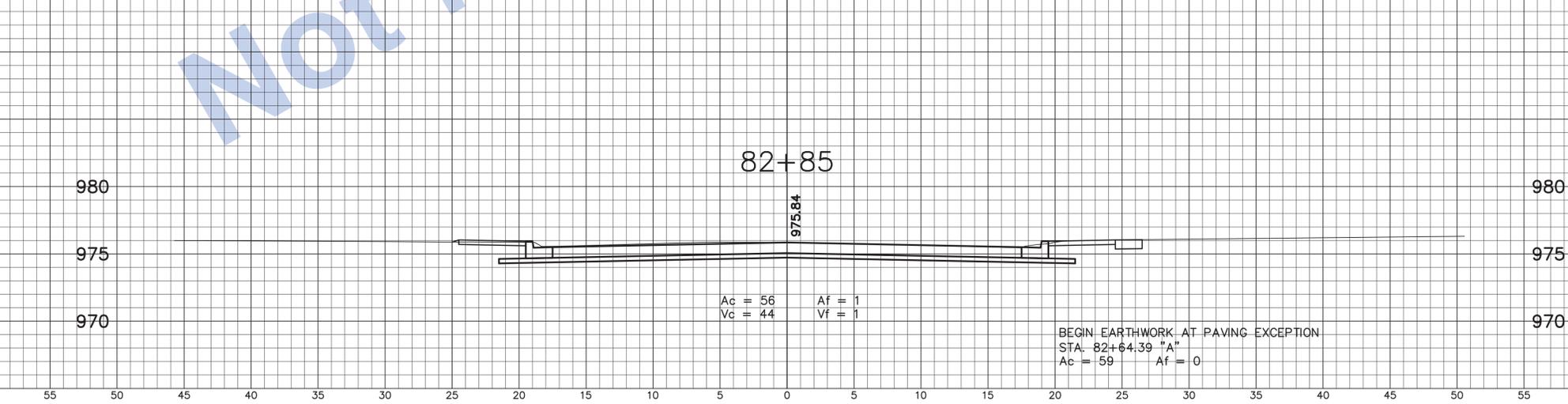
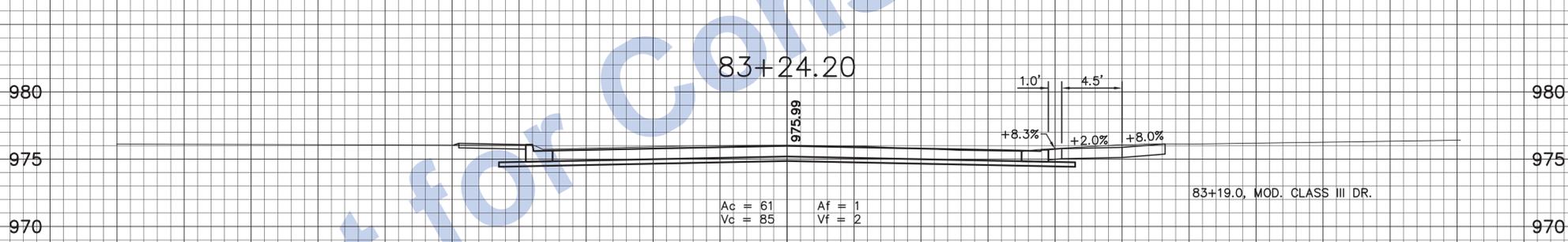
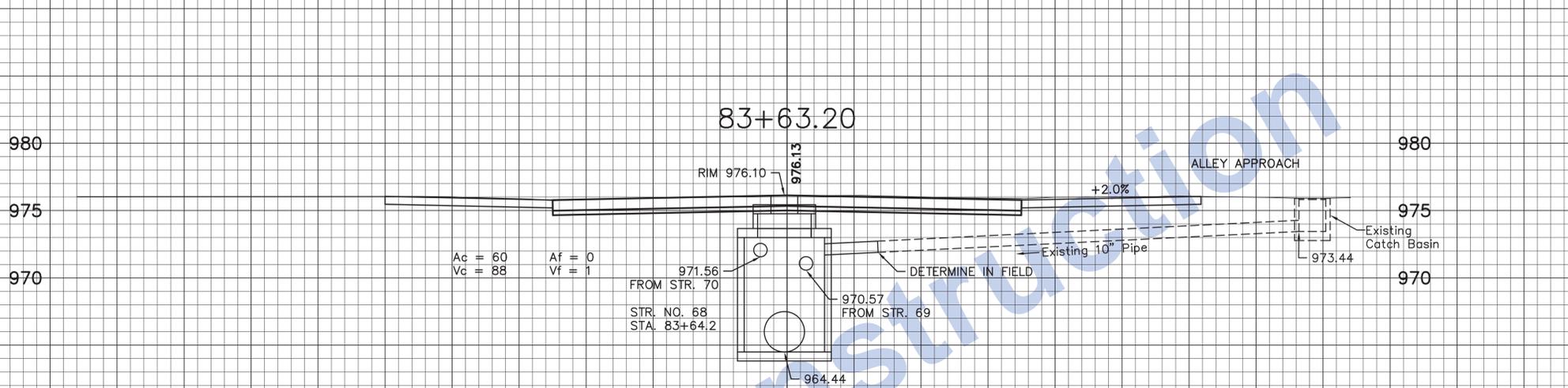
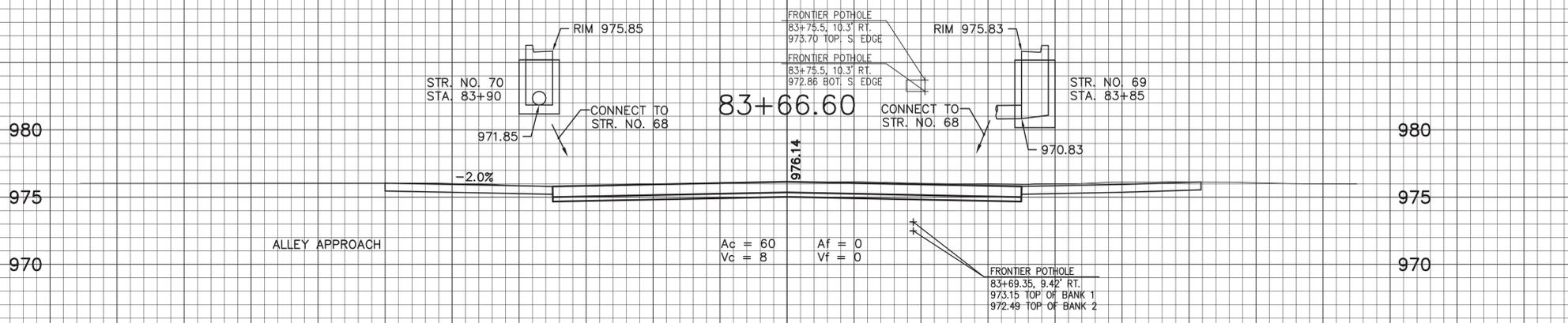
Stage 3 Plans

DESIGNED:	J.P.H.	DRAWN:	J.P.H.
CHECKED:	J.L.B.	CHECKED:	J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION

Line "A"
 U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	93 of 105
CONTRACT	PROJECT
R-30397	0013790



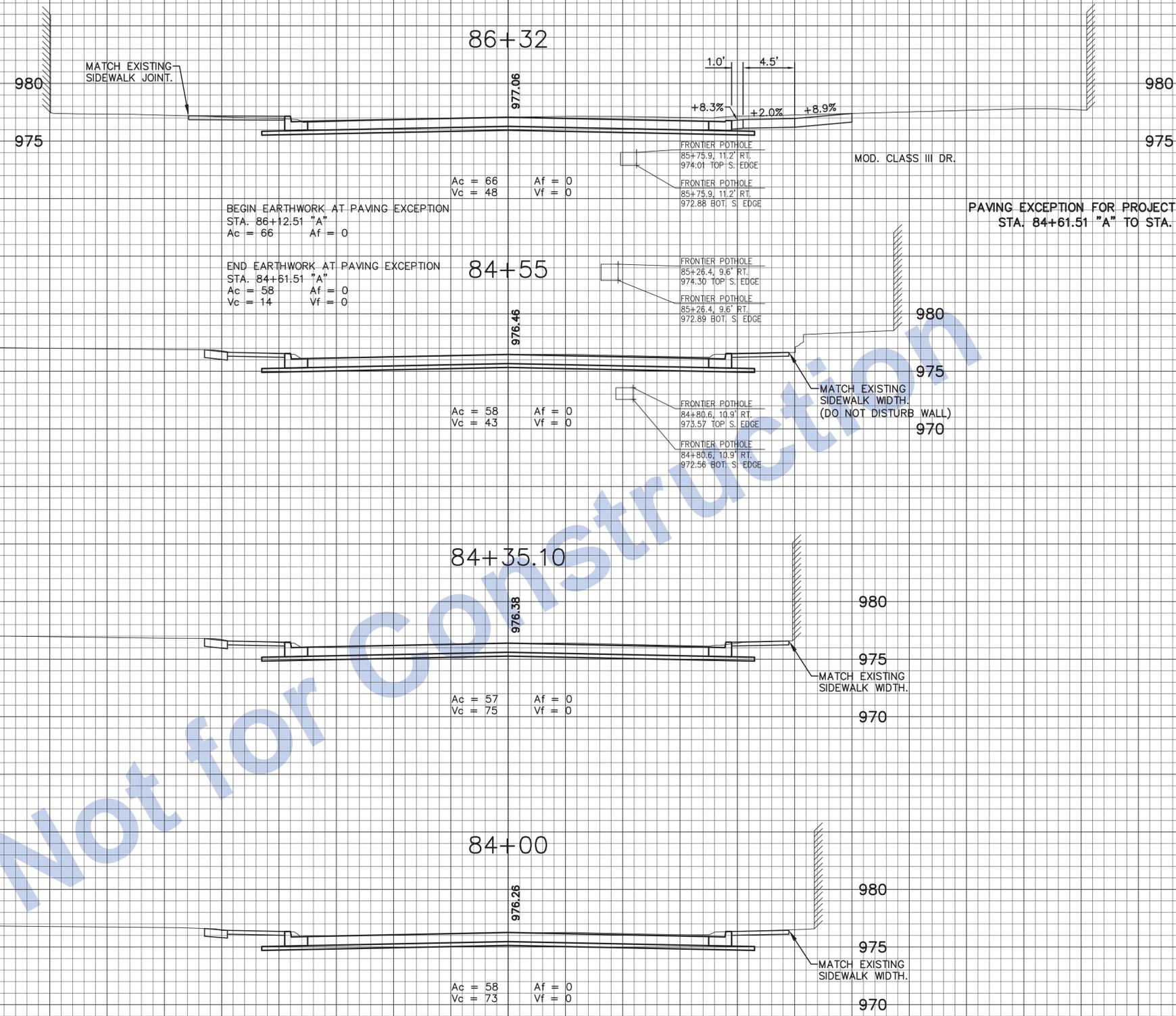
Not for Construction

<p style="font-size: 24px; transform: rotate(-45deg);">Stage 3 Plans</p>	<p>DESIGNED: J.P.H. DRAWN: J.P.H.</p> <p>CHECKED: J.L.B. CHECKED: J.L.B.</p>
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<p>INDIANA DEPARTMENT OF TRANSPORTATION</p>	
<p>Line "A" U.S. 40 Eastbound (South A Street))</p>	

<p>HORIZONTAL SCALE 1" = 5'</p>	<p>BRIDGE FILE N/A</p>
<p>VERTICAL SCALE 1" = 5'</p>	<p>DESIGNATION 0013790</p>
<p>SURVEY BOOK 17327</p>	<p>SHEETS 94 of 105</p>
<p>CONTRACT R-30397</p>	<p>PROJECT 0013790</p>

<p>HORIZONTAL SCALE 1" = 5'</p>	<p>BRIDGE FILE N/A</p>
<p>VERTICAL SCALE 1" = 5'</p>	<p>DESIGNATION 0013790</p>
<p>SURVEY BOOK 17327</p>	<p>SHEETS 94 of 105</p>
<p>CONTRACT R-30397</p>	<p>PROJECT 0013790</p>



Not for Construction

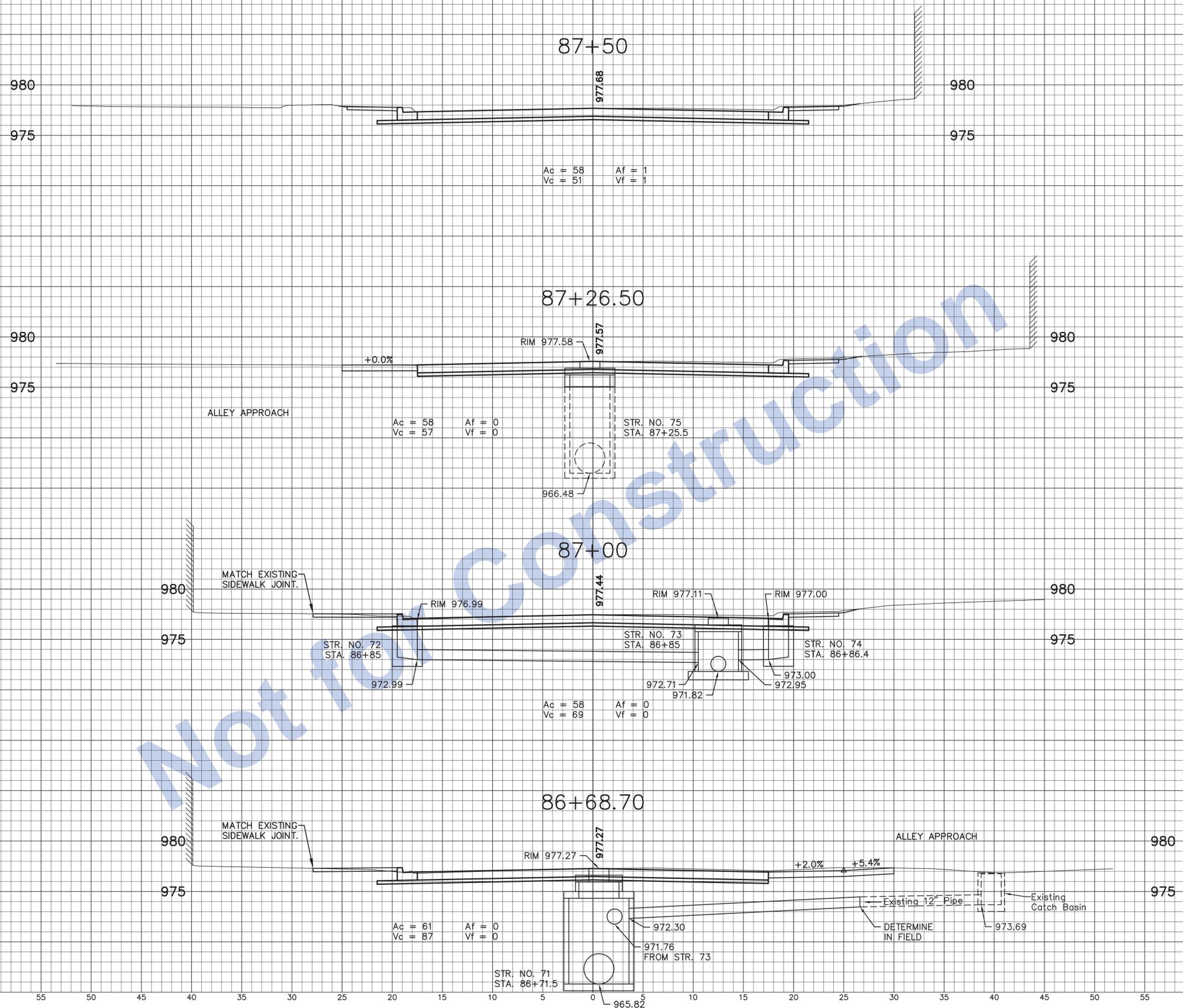
<p style="font-size: 24px; transform: rotate(-45deg);">Stage 3 Plans</p>	
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DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

Line "A"
U.S. 40 Eastbound (South A Street))

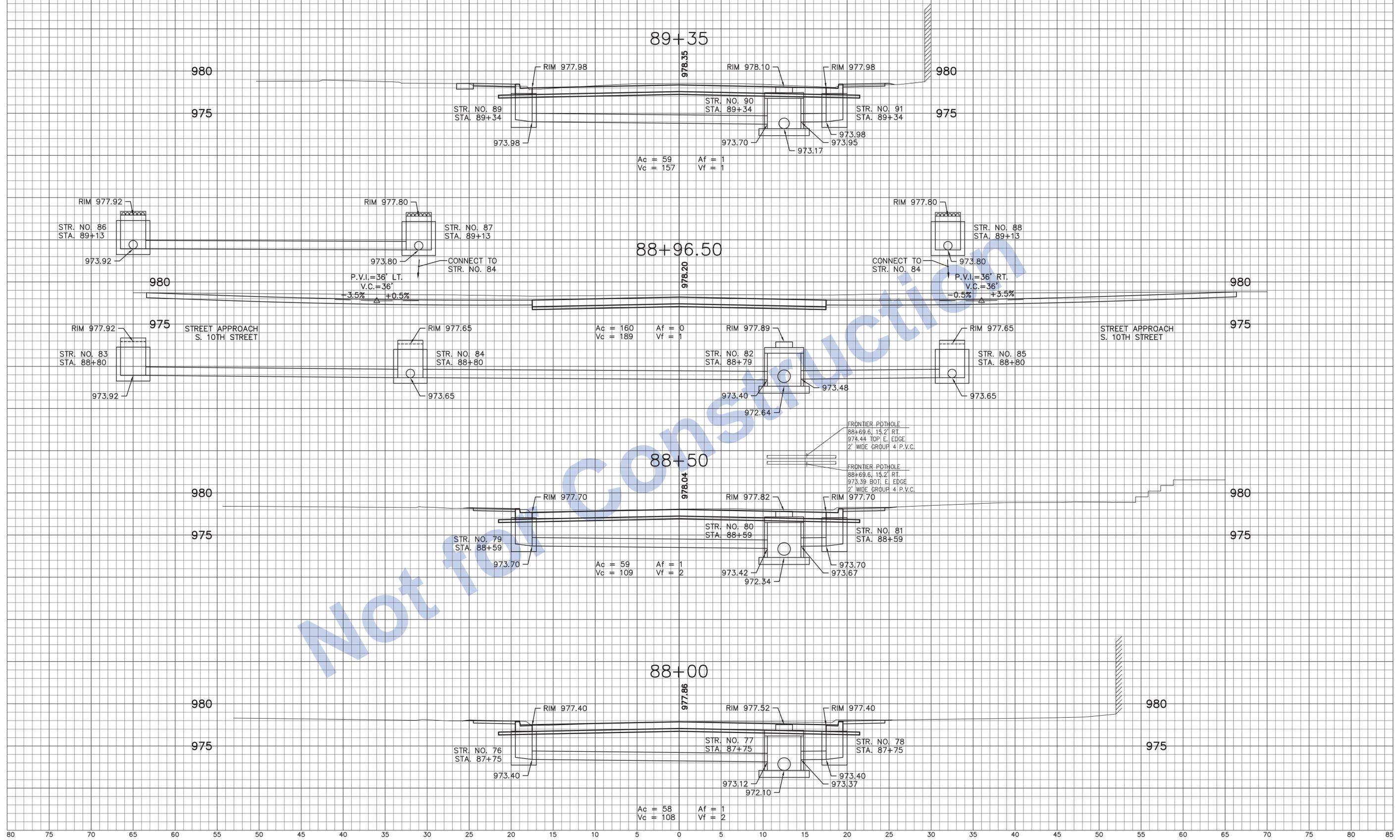
HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 95 of 105
CONTRACT R-30397	PROJECT 0013790



<p>Stage 3 Plans</p>		DESIGNED: J.P.H.	DRAWN: J.P.H.
		CHECKED: J.L.B.	CHECKED: J.L.B.

<p>INDIANA DEPARTMENT OF TRANSPORTATION</p>	
<p>Line "A" U.S. 40 Eastbound (South A Street))</p>	

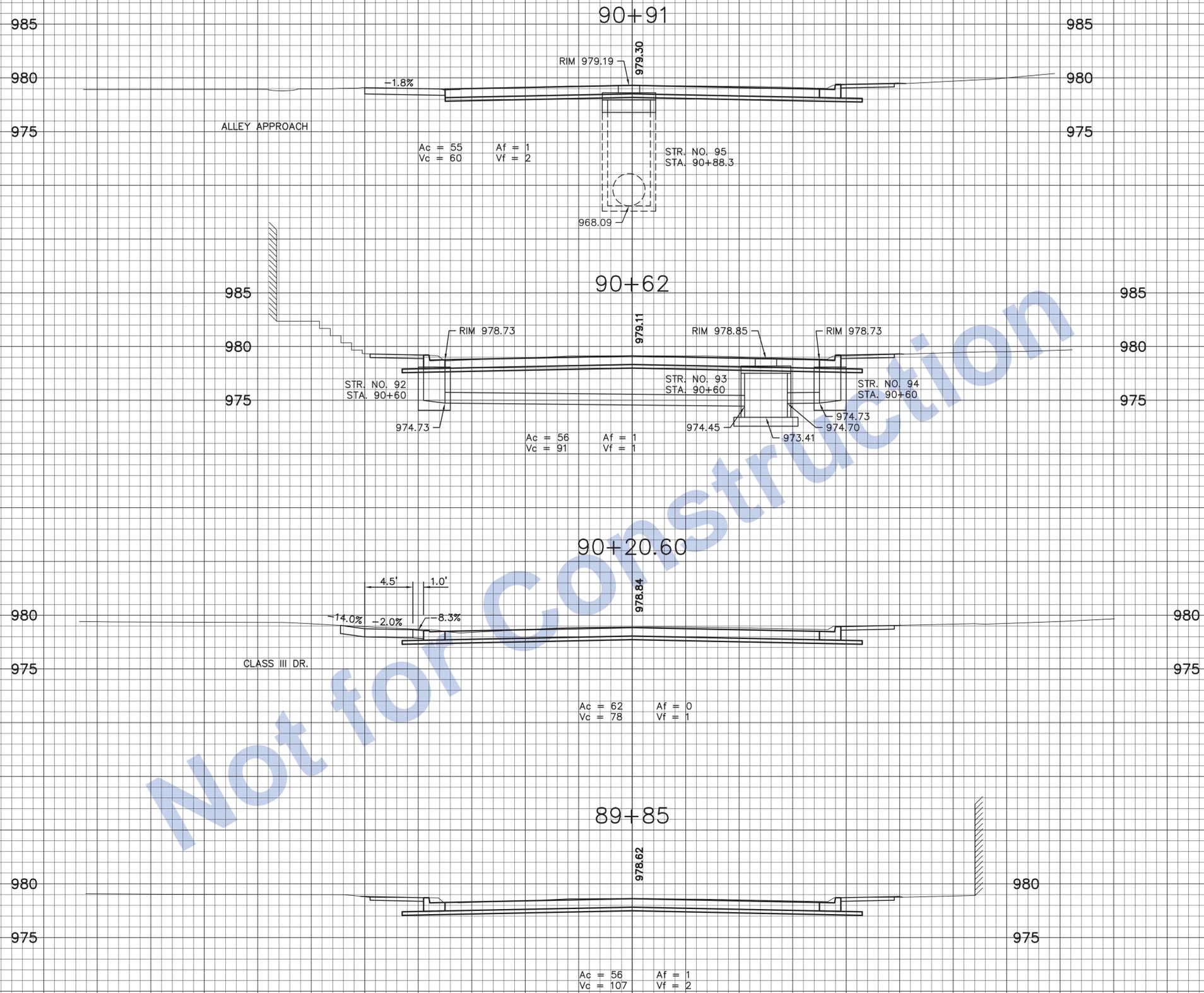
HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 96 of 105
CONTRACT R-30397	PROJECT 0013790



Not for Construction

Stage 3 Plans		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
	DESIGNED: J.P.H.	DRAWN: J.P.H.	VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
CHECKED: J.L.B.	CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South A Street))	SURVEY BOOK 17327	SHEETS 97 of 105
			CONTRACT R-30397	PROJECT 0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



Not for Construction

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

Stage 3 Plans

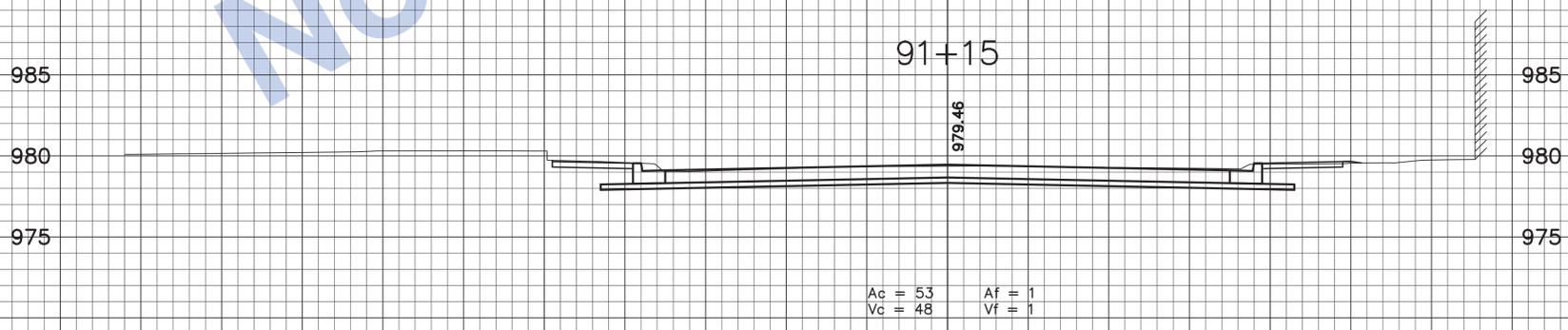
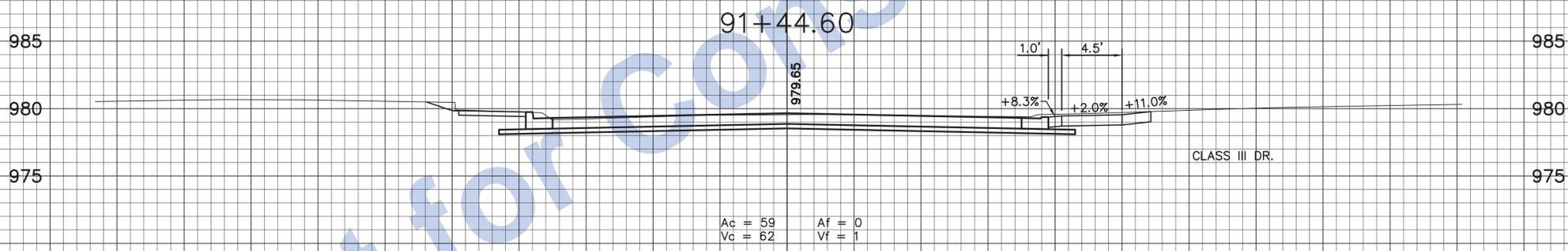
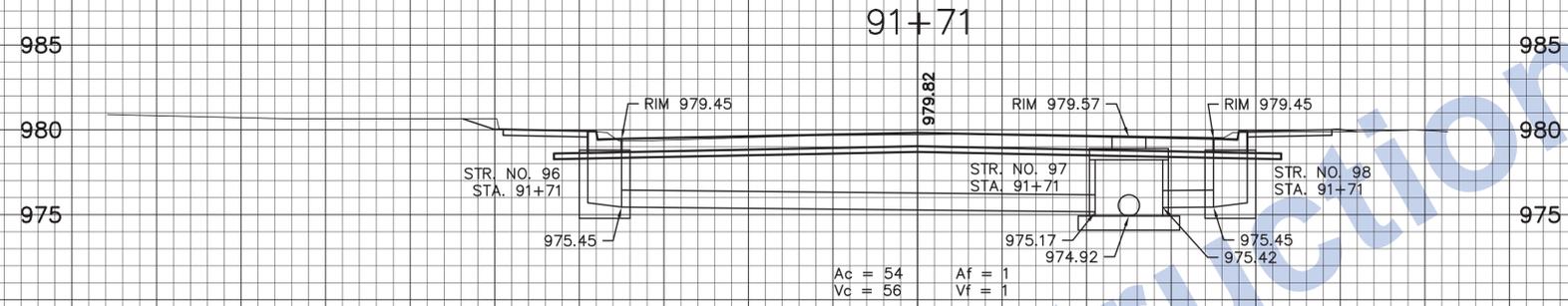
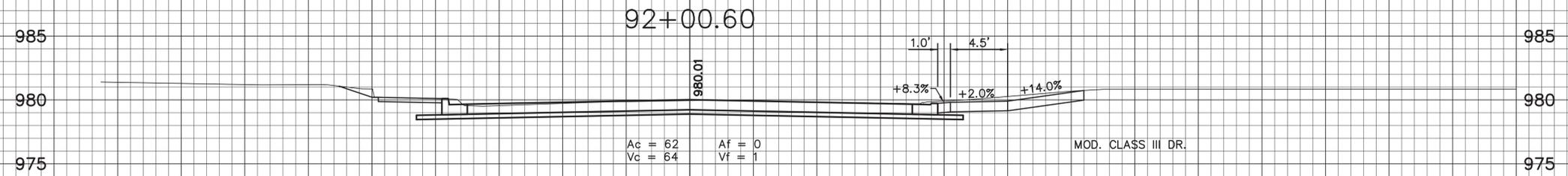
DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

Line "A"
U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 98 of 105
CONTRACT R-30397	PROJECT 0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



Not for Construction

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

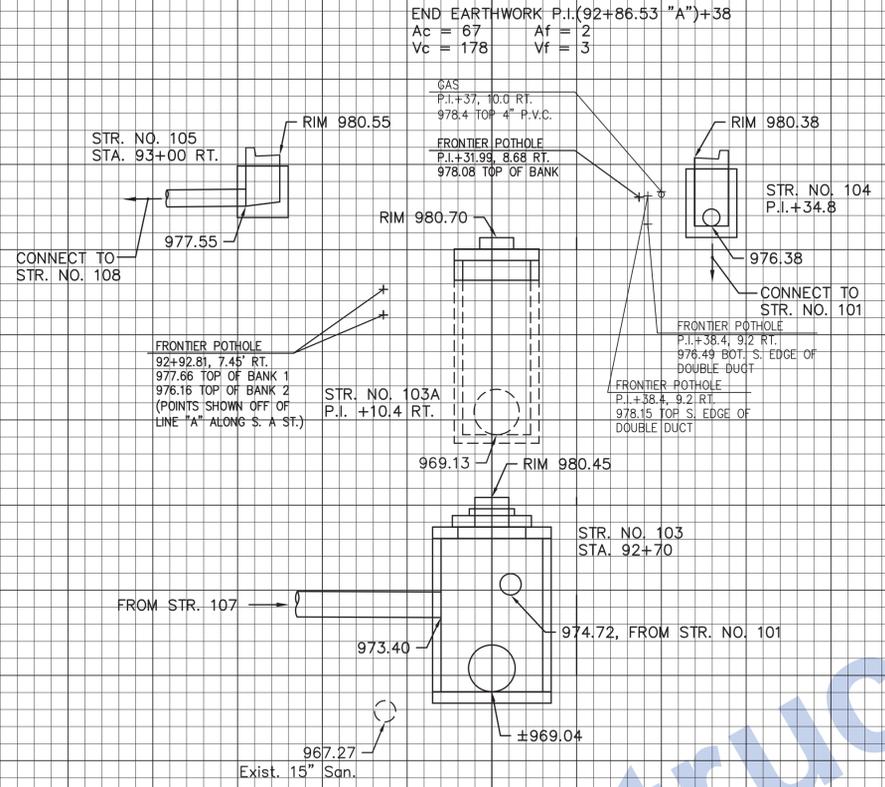
<p style="font-size: 24px; transform: rotate(-45deg);">Stage 3 Plans</p>	
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DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

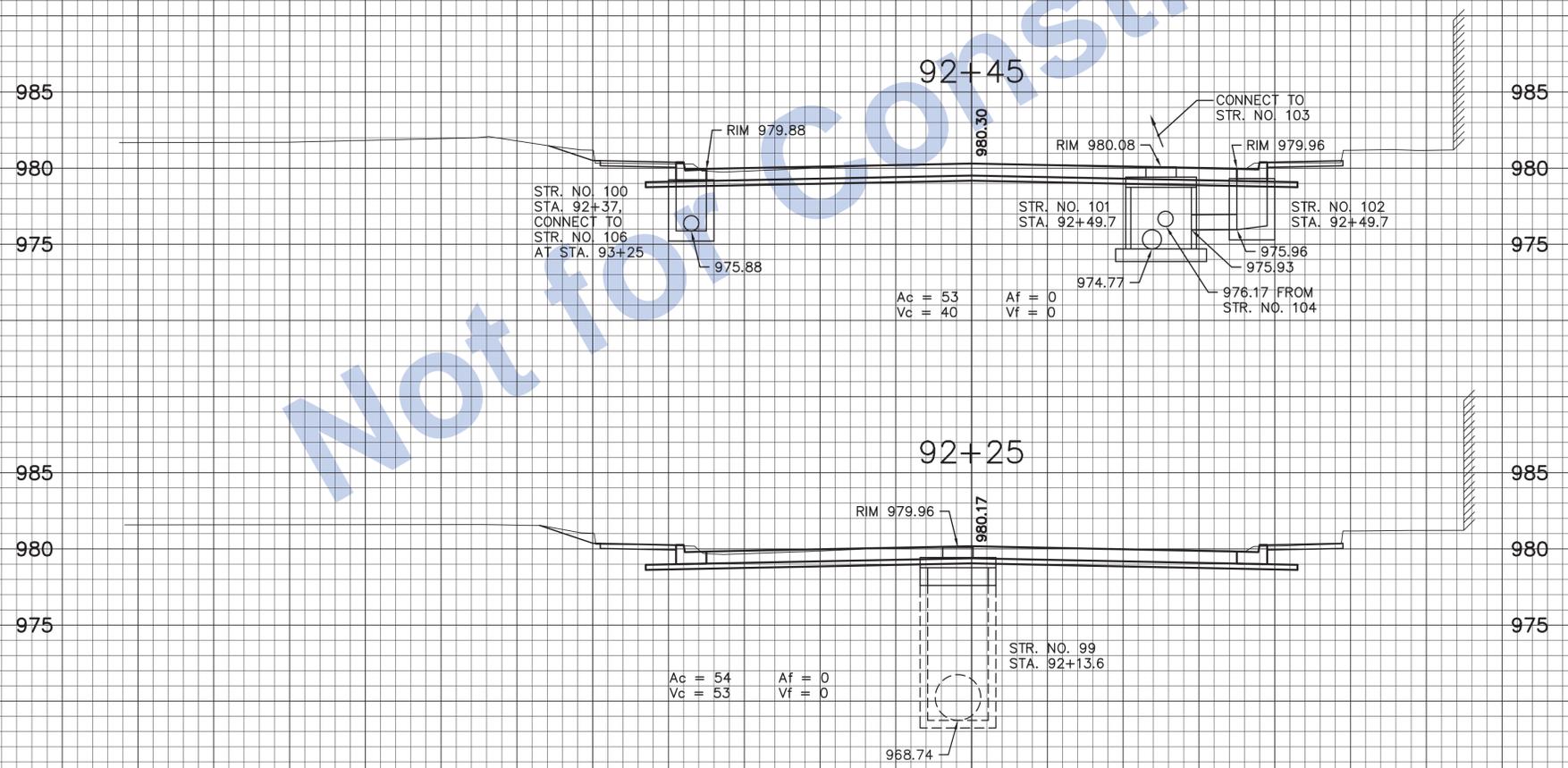
Line "A"
U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 98 of 105
CONTRACT R-30397	PROJECT 0013790



END EARTHWORK P.I. (92+86.53 "A")+38
 Ac = 67 Af = 2
 Vc = 178 Vf = 3

P.I. 92+86.53 "A"
 $\Delta = 90^{\circ}19'01''$ LT.
 (NO CURVE RUN)
 END PROFILE GRADE
 STA. 92+50.00 "A"



Ac = 53 Af = 0
 Vc = 40 Vf = 0

Ac = 54 Af = 0
 Vc = 53 Vf = 0

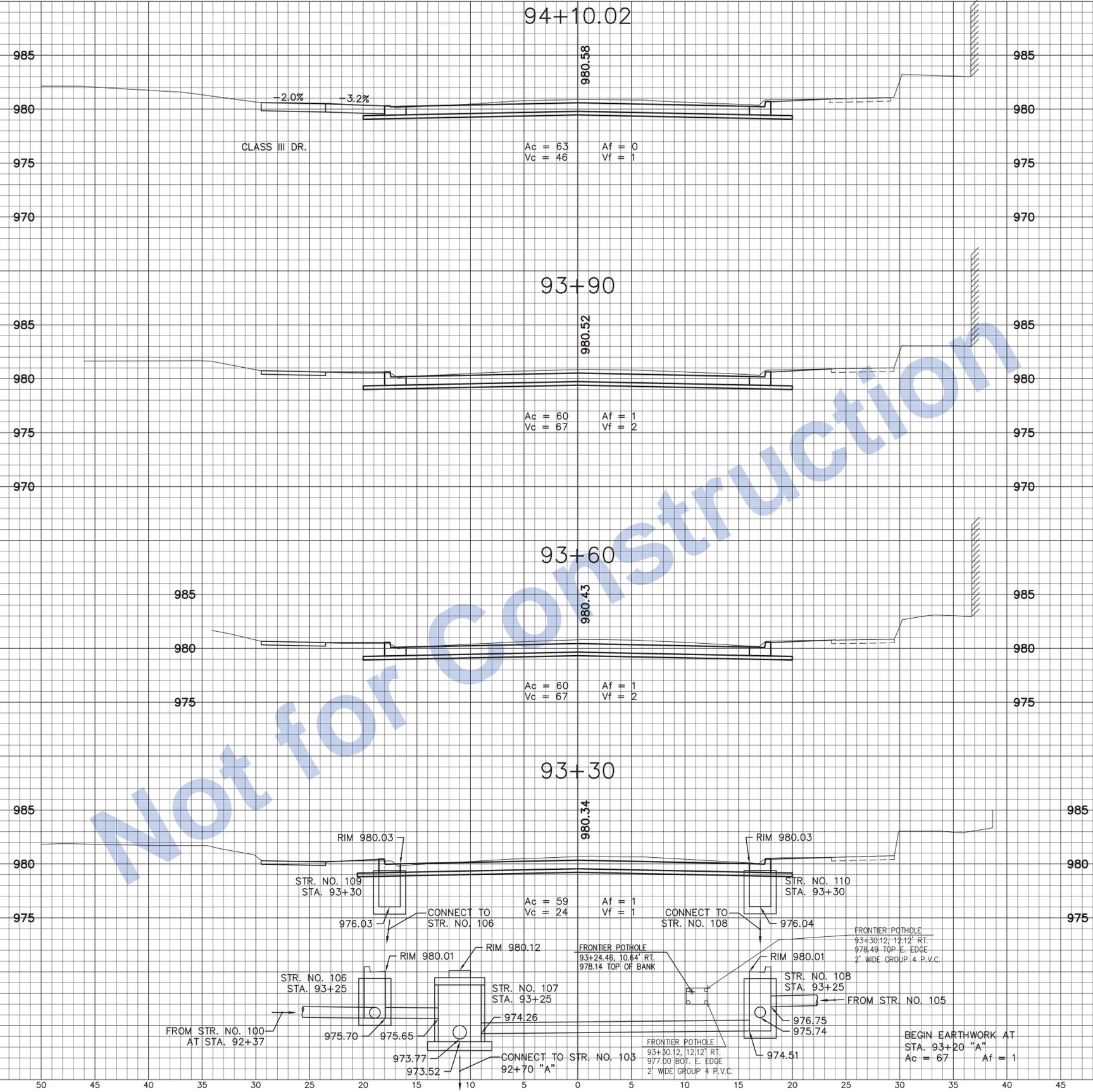
Stage 3 Plans

DESIGNED:	J.P.H.	DRAWN:	J.P.H.
CHECKED:	J.L.B.	CHECKED:	J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION
 Line "A"
 U.S. 40 Eastbound (South A Street))

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	100 of 105
CONTRACT	PROJECT
R-30397	0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



Not for Construction

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

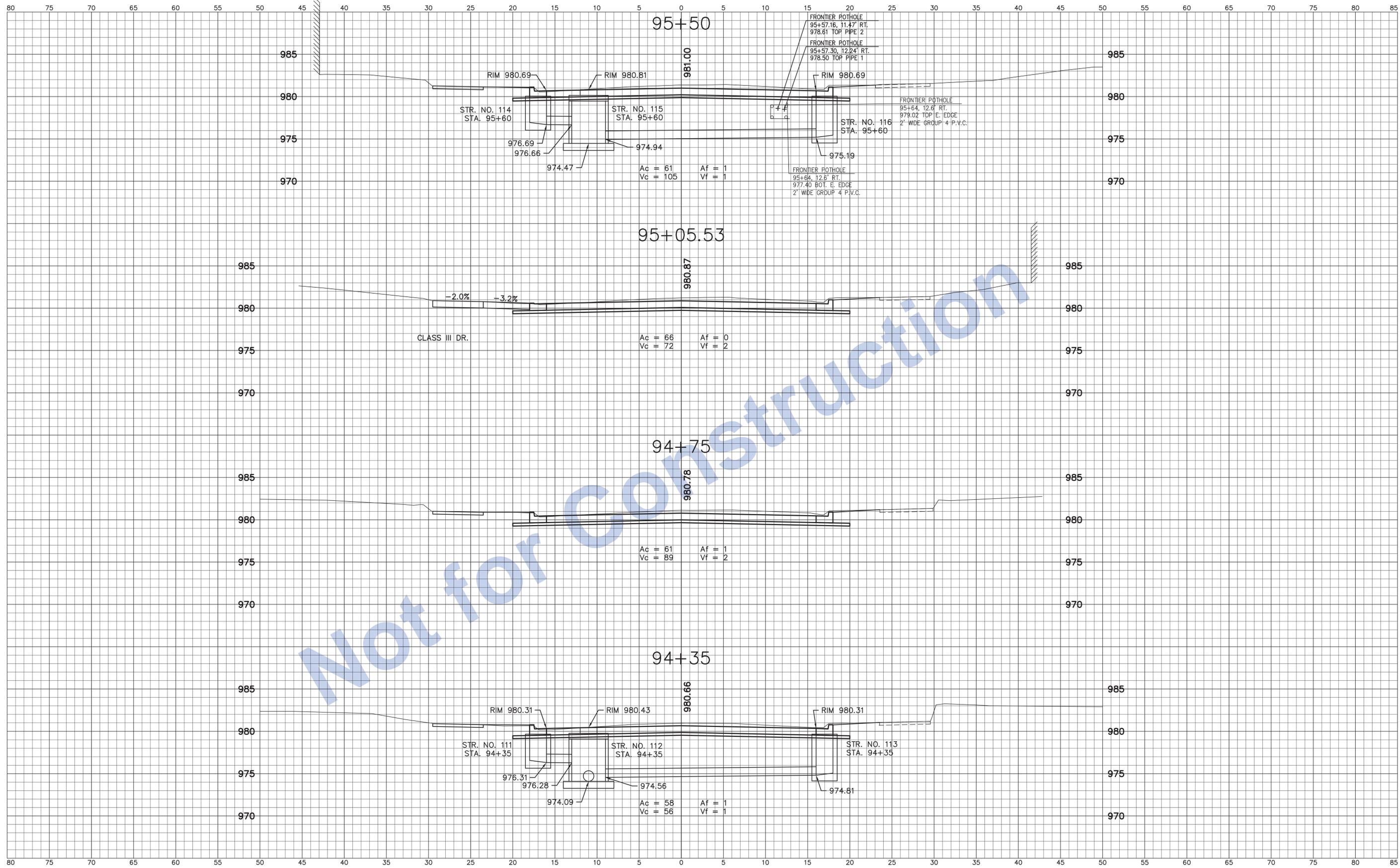
<p style="font-size: 24px; transform: rotate(-45deg);">Stage 3 Plans</p>	
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DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

INDIANA
DEPARTMENT OF TRANSPORTATION

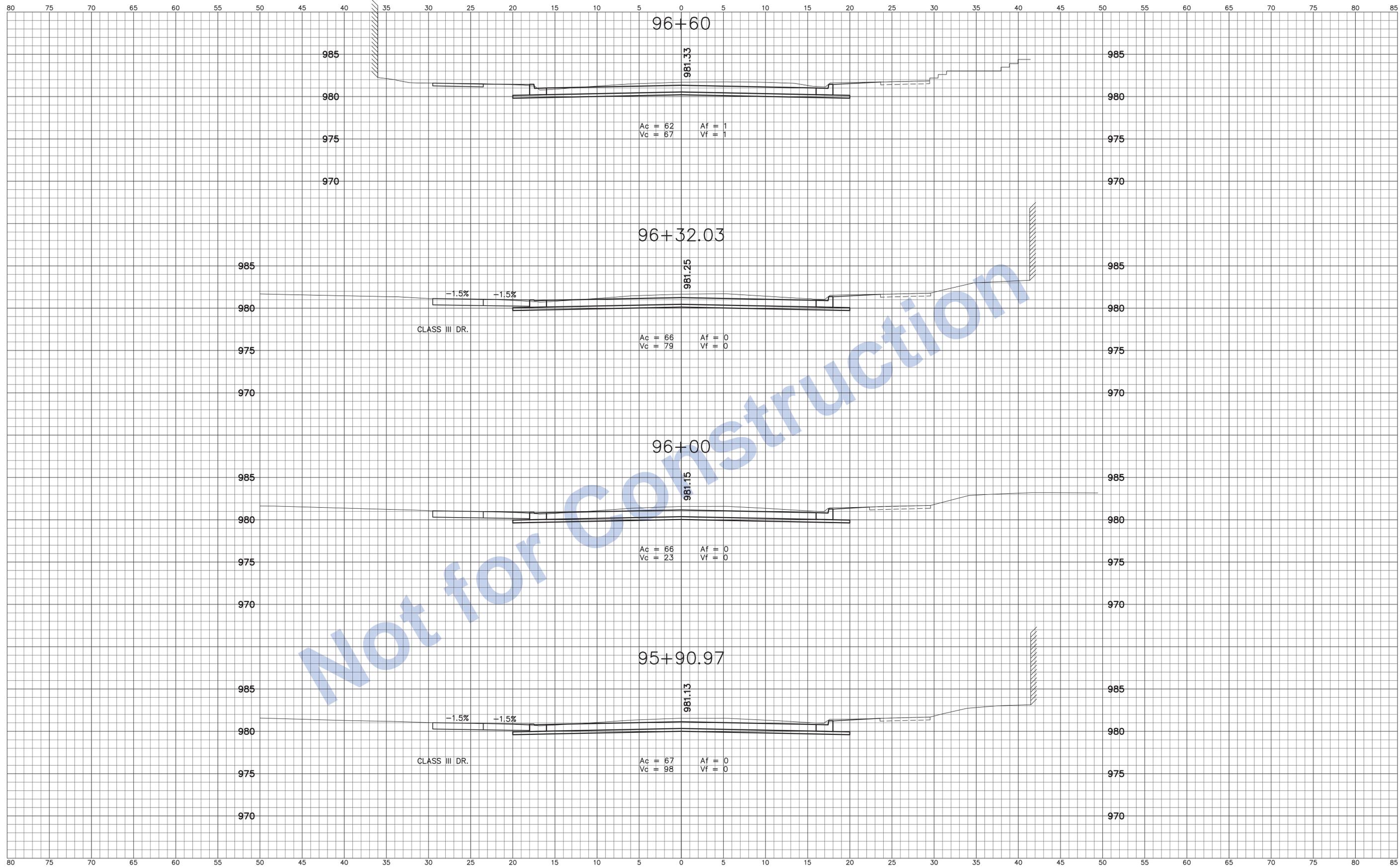
Line "A"
U.S. 40 Eastbound (South 11th Street)

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 101 of 105
CONTRACT R-30397	PROJECT 0013790



Not for Construction

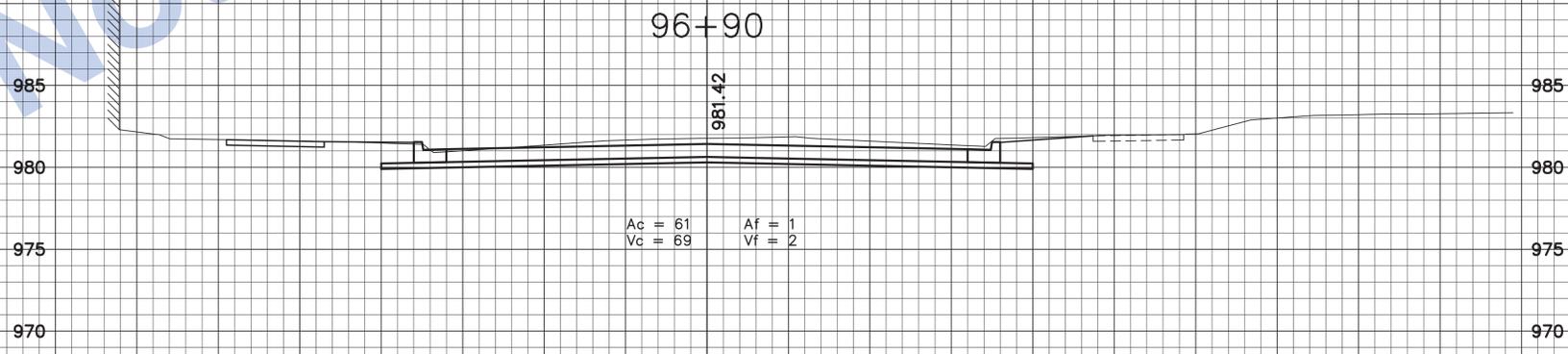
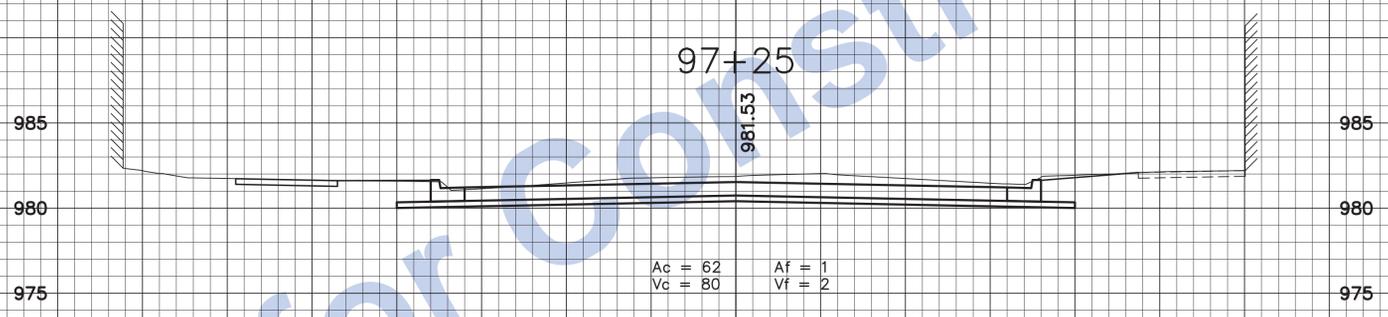
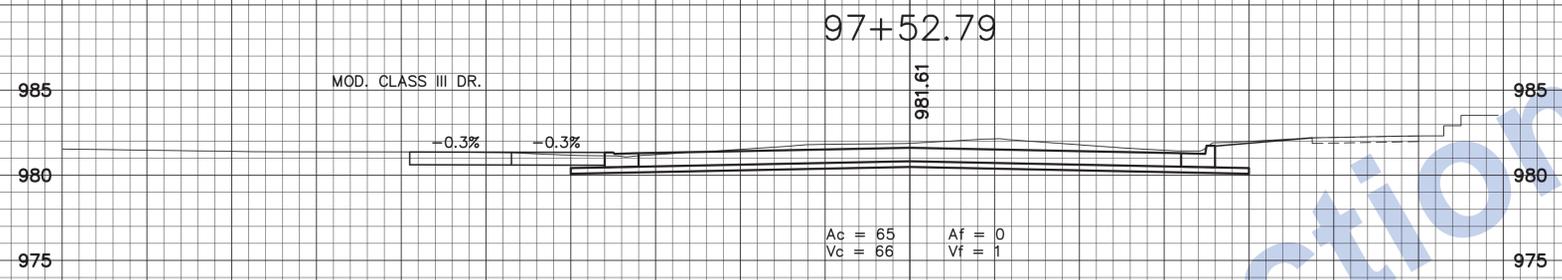
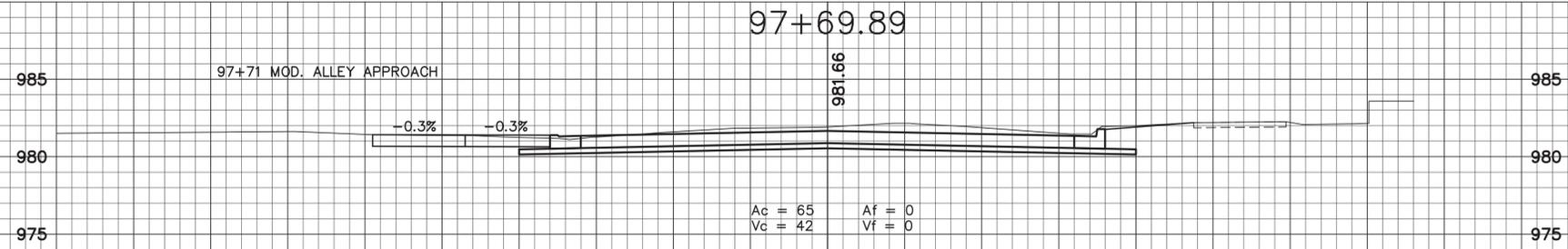
Stage 3 Plans		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5' VERTICAL SCALE 1" = 5'	BRIDGE FILE N/A DESIGNATION 0013790
	DESIGNED: J.P.H. DRAWN: J.P.H. CHECKED: J.L.B. CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South 11th Street)	SURVEY BOOK 17327 CONTRACT R-30397	SHEETS 102 of 105 PROJECT 0013790



Not for Construction

<div style="display: inline-block; transform: rotate(-45deg); font-weight: bold;">Stage 3 Plans</div>		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5' VERTICAL SCALE 1" = 5'	BRIDGE FILE N/A DESIGNATION 0013790
	DESIGNED: J.P.H. DRAWN: J.P.H. CHECKED: J.L.B. CHECKED: J.L.B.	Line "A" U.S. 40 Eastbound (South 11th Street)	SURVEY BOOK 17327 CONTRACT R-30397	SHEETS 103 of 105 PROJECT 0013790

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

Not for Construction

Stage 3 Plans

DESIGNED: J.P.H.	DRAWN: J.P.H.
CHECKED: J.L.B.	CHECKED: J.L.B.

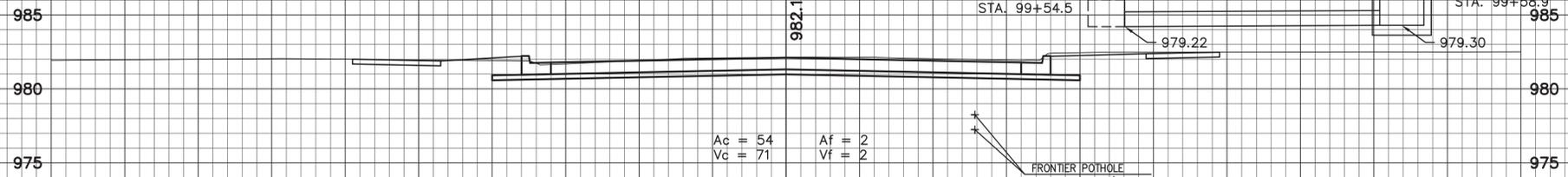
INDIANA
DEPARTMENT OF TRANSPORTATION

Line "A"
U.S. 40 Eastbound (South 11th Street)

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0013790
SURVEY BOOK 17327	SHEETS 104 of 105
CONTRACT R-30397	PROJECT 0013790

END EARTHWORK AT 99+55.22 "A"
 Ac = 67 Af = 2
 Vc = 57 Vf = 2

END PROJECT NO. 0013790
 STA. 99+55.22 "A"



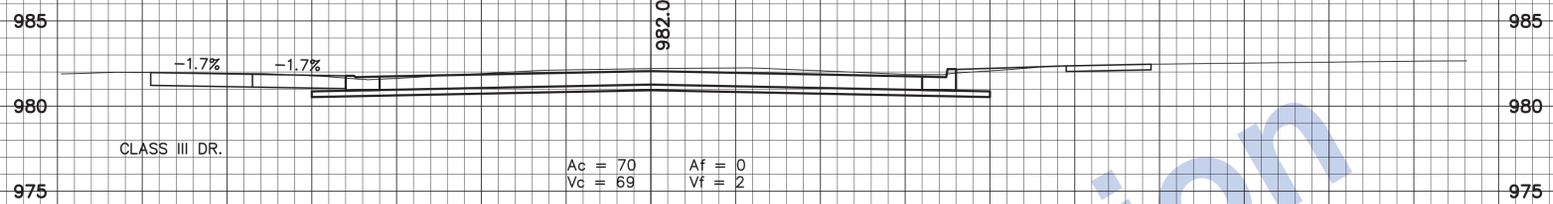
Ac = 54 Af = 2
 Vc = 71 Vf = 2

STR. NO. 118
 STA. 99+54.5

STR. NO. 117
 STA. 99+58.9

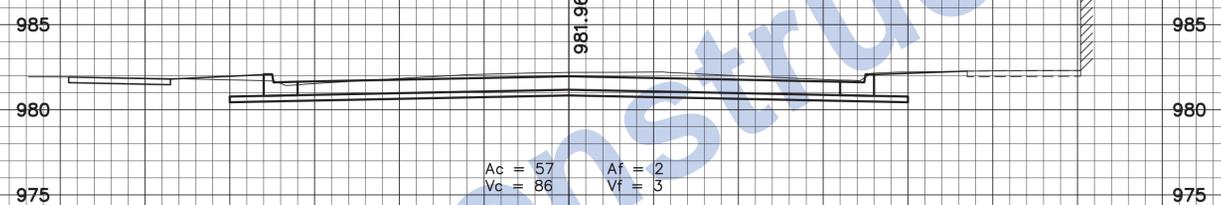
FRONTIER POTHOLE
 99+53.48 12.85' RT.
 978.25 TOP OF BANK 1
 977.24 TOP OF BANK 2

98+99.17



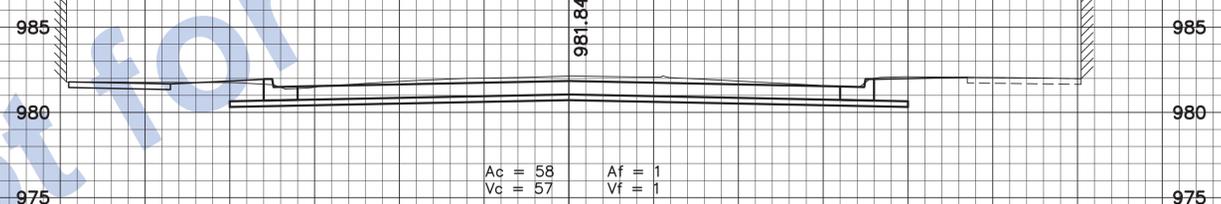
Ac = 70 Af = 0
 Vc = 69 Vf = 2

98+70



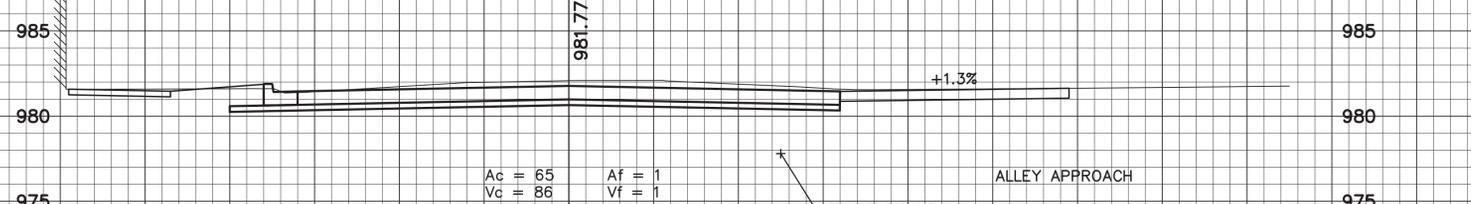
Ac = 57 Af = 2
 Vc = 86 Vf = 3

98+30



Ac = 58 Af = 1
 Vc = 57 Vf = 1

98+05.39



Ac = 65 Af = 1
 Vc = 86 Vf = 1

FRONTIER POTHOLE
 98+10.93 12.50' RT.
 977.80 TOP OF BANK

Not for Construction

Stage 3 Plans

DESIGNED: J.P.H. DRAWN: J.P.H.
 CHECKED: J.L.B. CHECKED: J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION
 Line "A"
 U.S. 40 Eastbound (South 11th Street)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0013790
SURVEY BOOK	SHEETS
17327	105 of 105
CONTRACT	PROJECT
R-30397	0013790