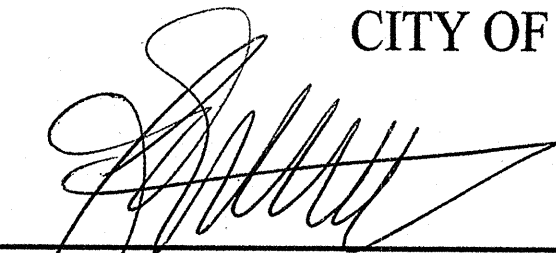


PROJECT	DESIGNATION
STP-9945(089)	0401043
STP-9945(089)	1005297
CONTRACT	
R-28972	

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC DATA	MAINLINE "A"
A.A.D.T.(2012)	25,958 V.P.D.
A.A.D.T.(2032)	38,572 V.P.D.
D.H.V.(2032)	3,086 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	8% D.H.V.
	6% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (BUILT-UP)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

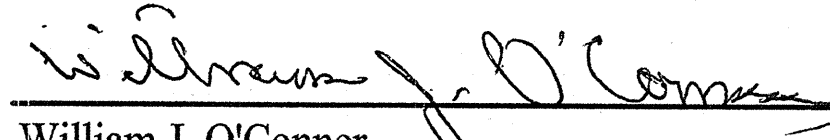
CITY OF HAMMOND

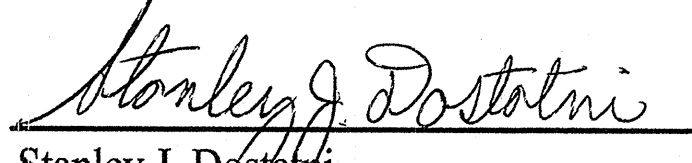


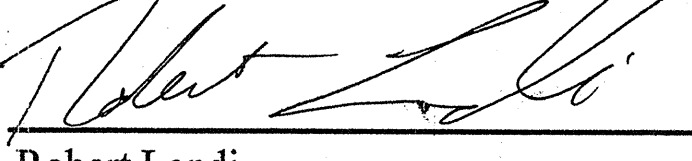
Thomas M. McDermott, Jr. Mayor

BOARD OF PUBLIC WORKS

APPROVED: DATE: 6-14-2012


William J. O'Conner Member


Stanley J. Dostalni Member


Robert Lendi Member

ROAD PLANS

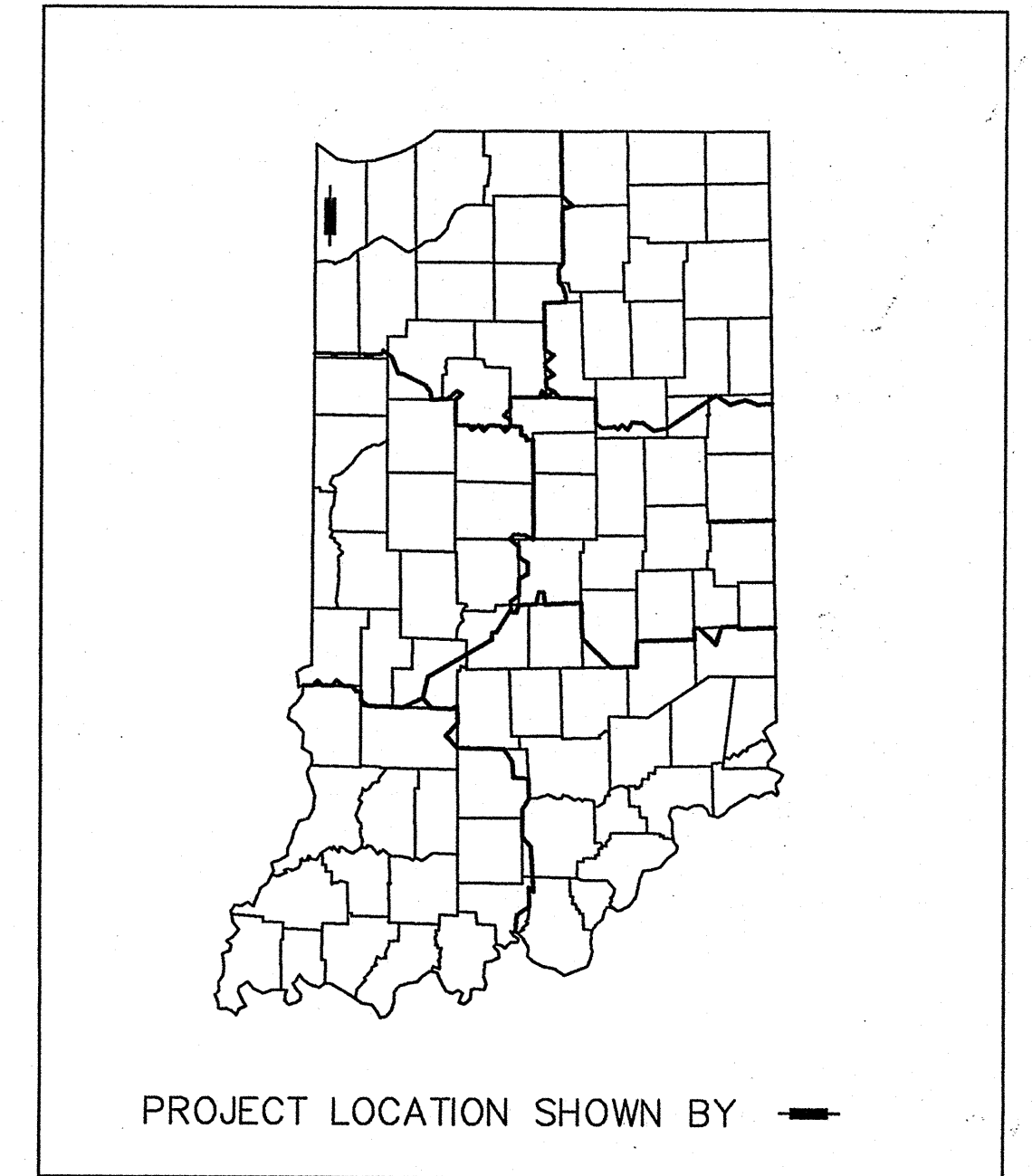
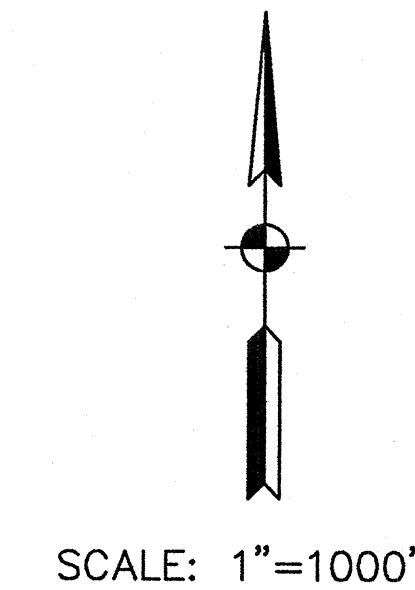
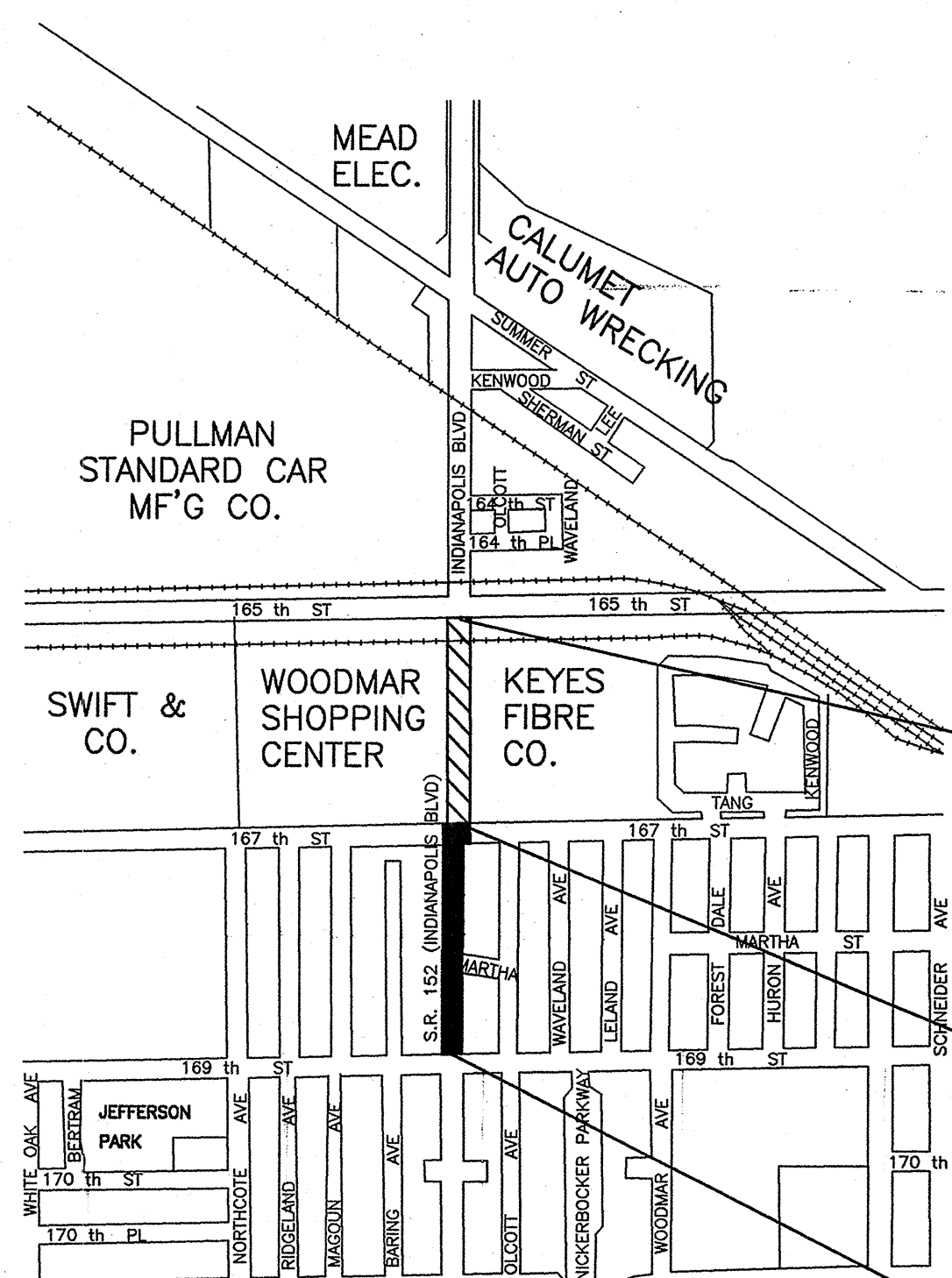
PROJECT NO. STP-9945(089) CN

DESCRIPTION: THIS ROADWAY REHABILITATION PROJECT BEGINS AT THE INTERSECTION OF S.R. 152 (INDIANAPOLIS BLVD.) AND 169TH STREET, THEN CONTINUES NORTHERLY 1304 FT. ALONG S.R. 152 (INDIANAPOLIS BLVD.) TO THE INTERSECTION OF S.R. 152 (INDIANAPOLIS BLVD.) AND 167TH STREET, IN THE CITY OF HAMMOND, SECTION 8, NORTH TOWNSHIP, LAKE COUNTY, INDIANA.

RP: 0+0.98 TO 1+0.23

GROSS LENGTH: 1304 Ft. (0.25 mi.) MAX. GRADE: 1.43%
NET LENGTH: 1304 Ft. (0.25 mi.)

LATITUDE: 41°35'31" N LONGITUDE: 87°28'51" W

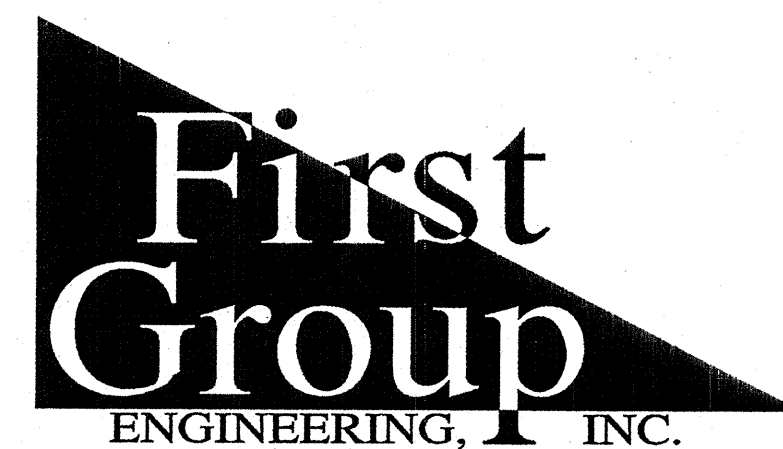


END INCIDENTAL CONSTRUCTION
STA. 35+96.30 LINE "A"

END PROJECT NO. STP-9945(089)
BEGIN INCIDENTAL CONSTRUCTION
STA. 23+80.72 LINE "A"

BEGIN PROJECT NO. STP-9945(089)
STA. 10+76.70 LINE "A"

These Plans Prepared By:

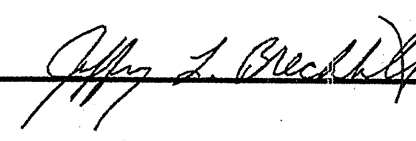


5925 Lakeside Blvd.
Indianapolis, Indiana 46278
(317) 290-9549

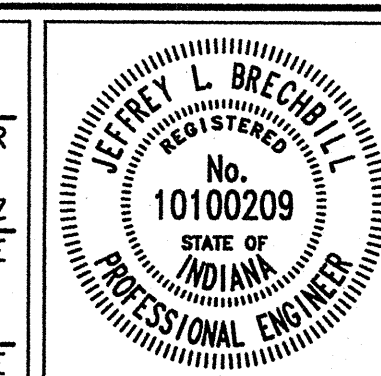
CITY OF HAMMOND
SEC. 8, T36N, R9W
NORTH TWP.
LAKE CO.

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2012
TO BE USED WITH THESE PLANS

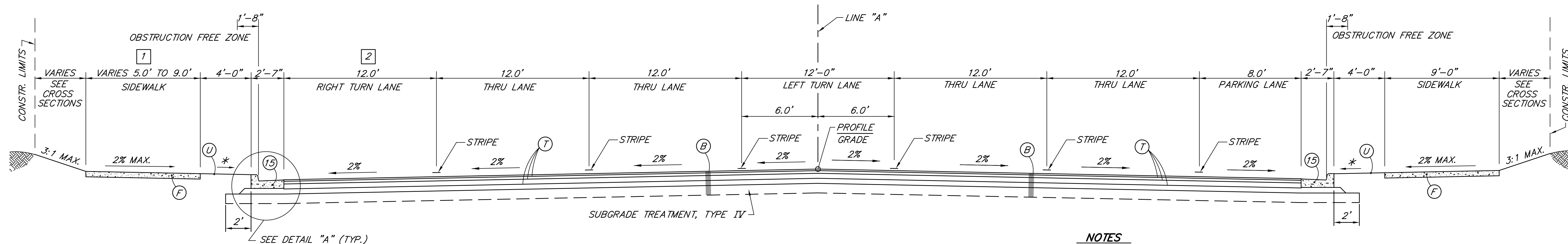
PLANS PREPARED BY: FIRST GROUP ENGINEERING, INC. (317) 290-9549 PHONE NUMBER

CERTIFIED BY:  6/18/2012 DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE



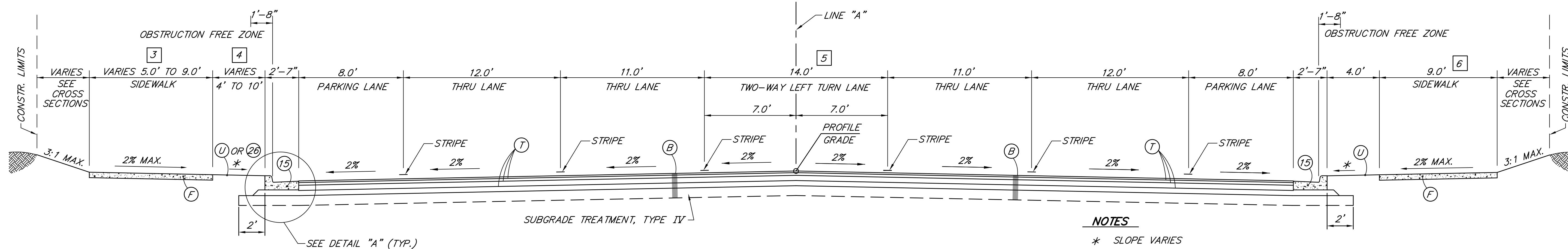
DESIGNATION	0401043 & 1005297
SHEETS	1 of 80
CONTRACT	R-28972
PROJECT	STP-9945(089)



TYPICAL CROSS SECTION
STA. 10+76.70 TO STA. 12+08.00 LINE "A"
 SCALE: 1"=4'

NOTES

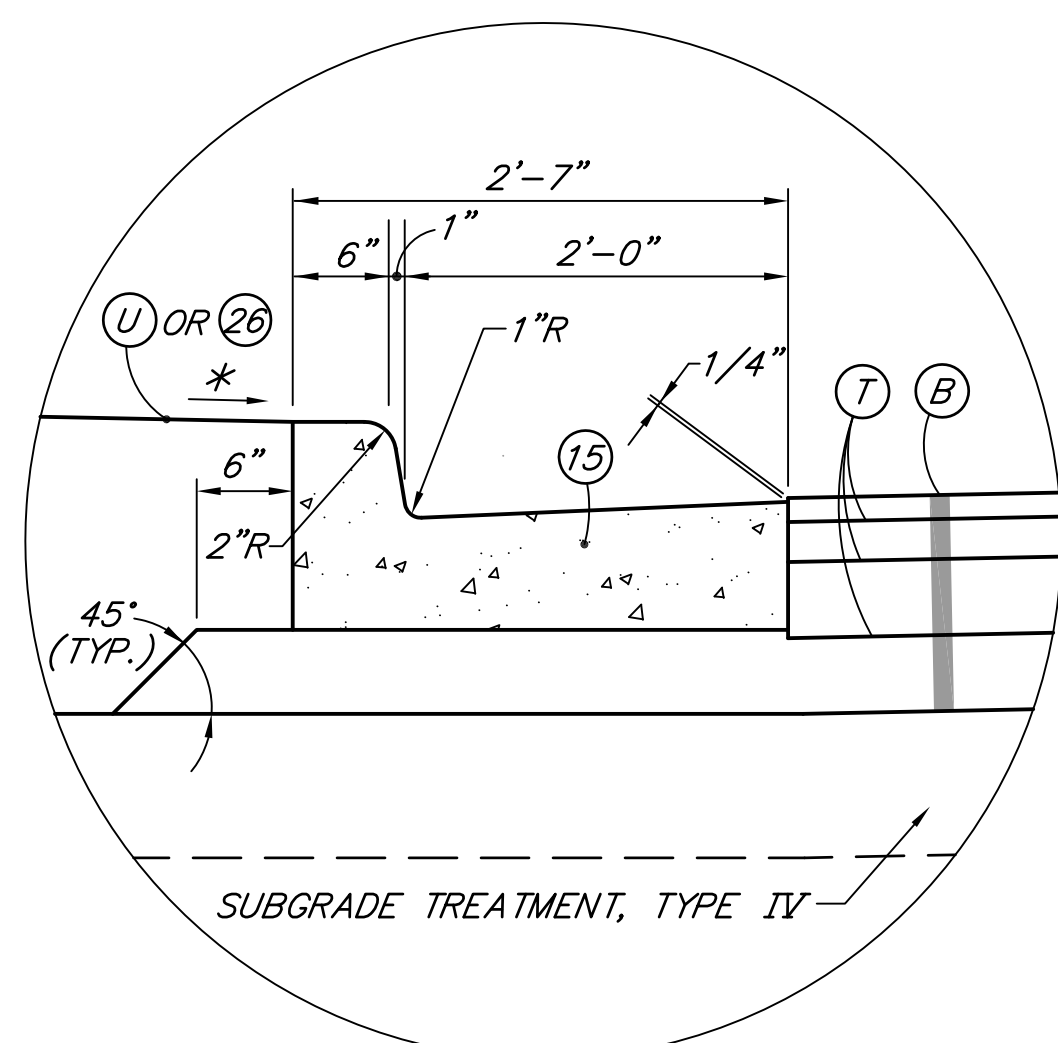
- * SLOPE VARIES
SEE CROSS SECTIONS
- 1 5.0' FROM STA. 10+61.9 TO STA. 11+79.7 LINE "A"
9.0' FROM STA. 11+79.7 TO STA. 12+08.0 LINE "A"
- 2 VARIES 0' TO 12' FROM STA. 11+58.0 TO
STA. 12+08.0 LINE "A"



TYPICAL CROSS SECTION
STA. 12+08.00 TO STA. 23+80.72 LINE "A"
 SCALE: 1"=4'

NOTES

- * SLOPE VARIES
SEE CROSS SECTIONS
- 3 9.0' FROM STA. 12+08.0 TO STA. 23+59.8 LINE "A"
VARIES 9.0' TO 5.0' FROM STA. 23+59.8 TO STA. 23+71.1 LINE "A"
5.0' FROM STA. 23+71.1 TO STA. 23+80.7 LINE "A"
- 4 4.0' FROM STA. 12+08.0 TO STA. 23+20.0 LINE "A" USING (U)
VARIES 0.0' TO 8.0' FROM STA. 23+59.8 TO STA. 23+71.1 LINE "A" USING (26)
7.0' FROM STA. 23+71.1 TO STA. 23+80.7 LINE "A" USING (26)
- 5 EXCLUSIVE NORTHBOUND LEFT TURN LANE AND TAPER
FROM STA. 20+84.0 TO STA. 22+84.0 LINE "A"
EXCLUSIVE SOUTHBOUND LEFT TURN LANE
FROM STA. 23+20.0 TO STA. 23+80.7 LINE "A"
- 6 NO SIDEWALK ON RIGHT SIDE FROM
STA. 23+26.0 TO STA. 23+80.7 LINE "A"



DETAIL "A"
 SCALE: 1"=1'

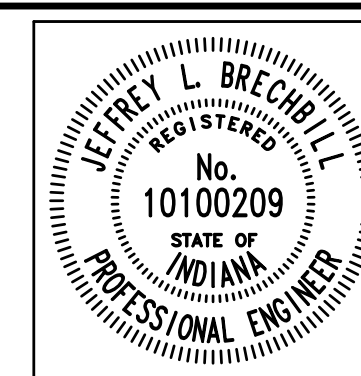
LEGEND

- (B) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
275 lbs/syd QC/QA-HMA, 3, 76 INTERMEDIATE 19.0 mm ON
1045 lbs/syd QC/QA-HMA, 3, 70, BASE 25.0 mm
- (C) PCCP FOR APPROACHES, 9" ON
SUBGRADE TREATMENT TYPE IIIA
- (D) 1485 lbs/syd HMA FOR APPROACHES, TYPE C
- (F) CONCRETE SIDEWALK, 5"
- (L) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76 INTERMEDIATE 19.0mm ON
8" PCCP FOR STRUCTURE INSTALLATION
- (P) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
1320 lbs/syd HMA PATCHING, TYPE C
- (R) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH
TRANSITION MILLING
- (W) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH
VARIABLE DEPTH SCARIFICATION/PROFILE MILLING
- (T) ASPHALT FOR TACK COAT
- (U) UTILITY STRIP, DECORATIVE (SEE SHEET NO. 35)
- (Et) SIDEWALK ELEVATION TRANSITION
- (X) CONCRETE CURB RAMP, TYPE "X"
- (10) 1/2" PREFORMED JOINT FILLER
- (15) CONCRETE CURB & GUTTER
- (26) SODDING (NURSERY)

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
S.R. 152 (INDIANAPOLIS BLVD.)

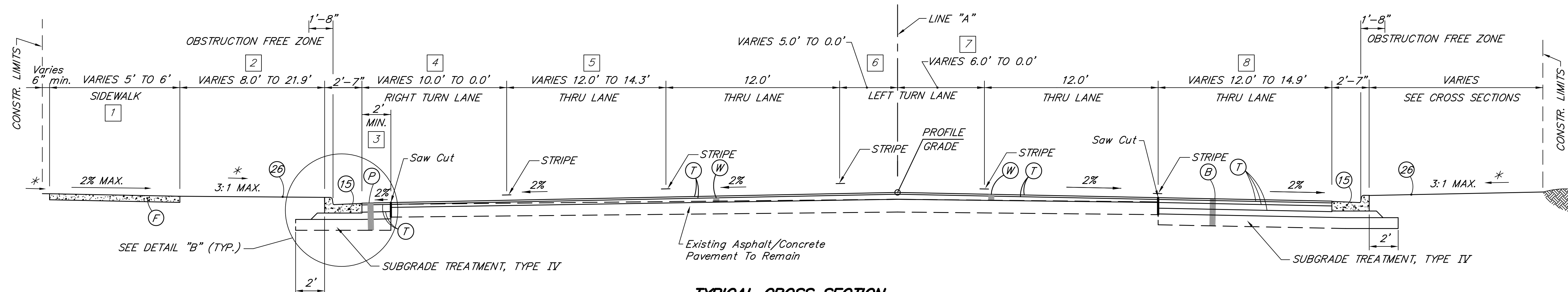
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0401043 & 1005297
SURVEY BOOK	SHEETS
	3 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brechler* 6/18/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./W.T.

CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.



**TYPICAL CROSS SECTION
INCIDENTAL CONSTRUCTION
STA. 23+80.72 TO STA. 30+03.00 LINE "A"**
SCALE: 1"=4'

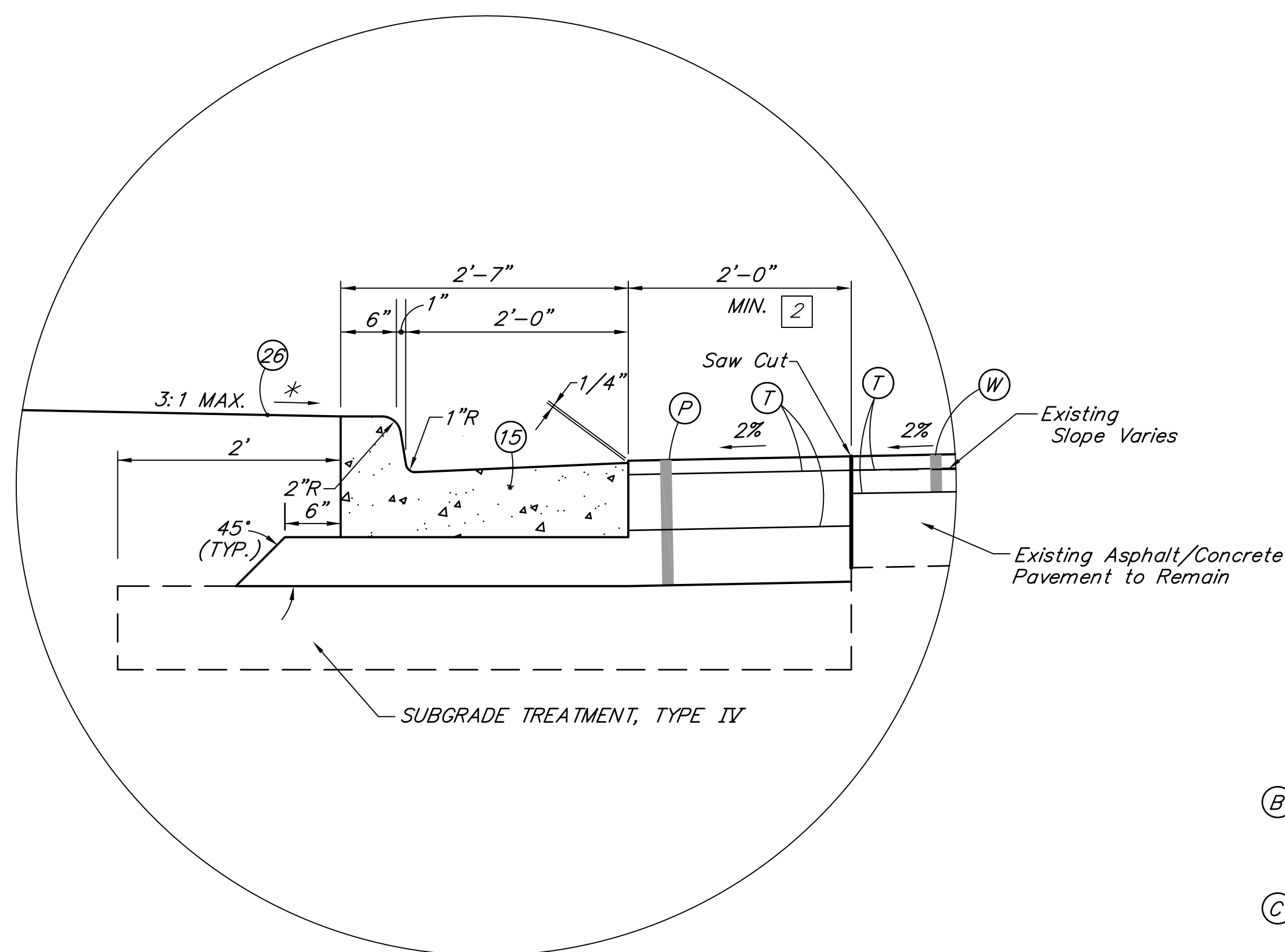
NOTES

* SLOPE VARIES
SEE CROSS SECTIONS

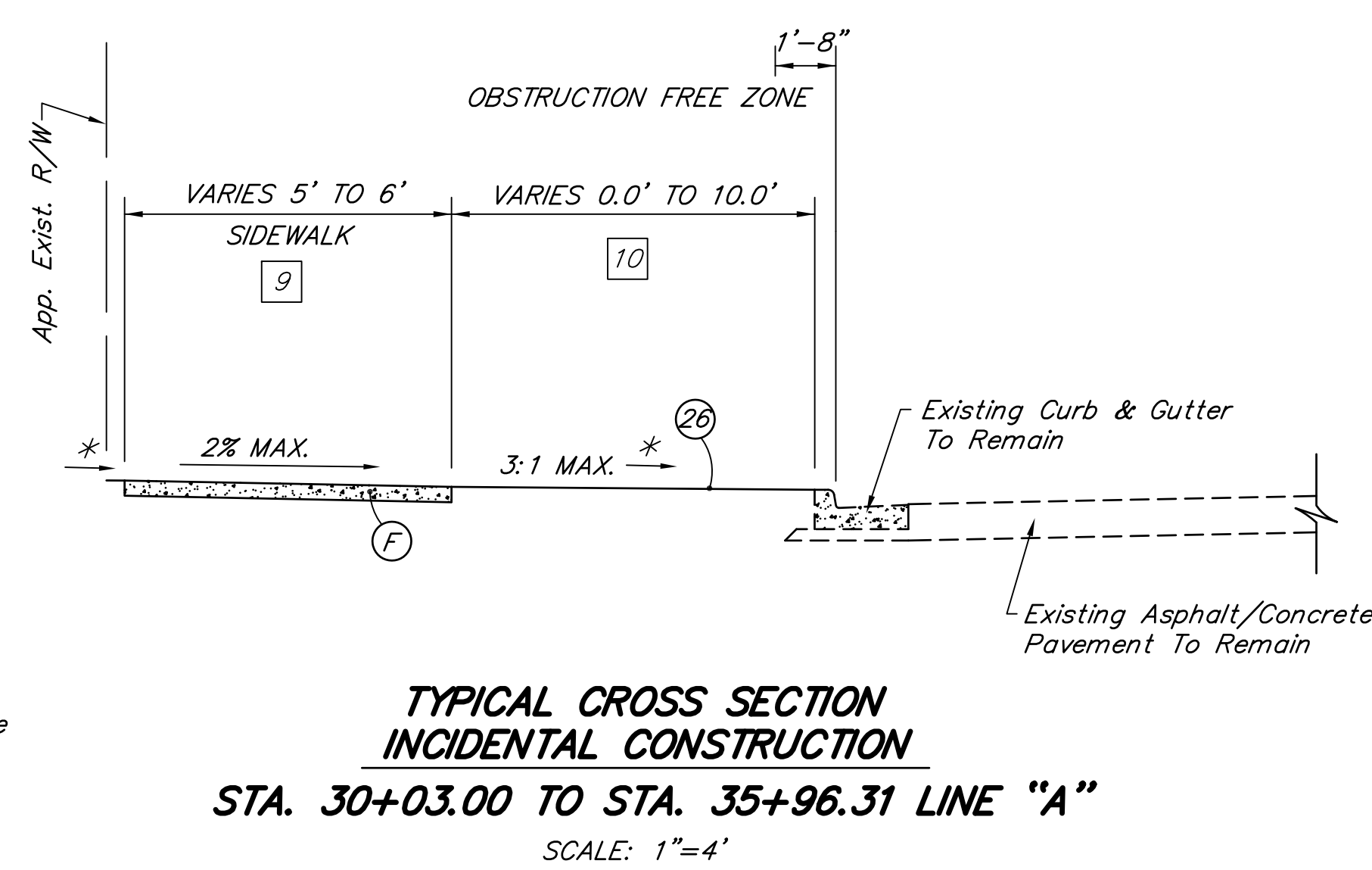
- 1 5.0' FROM STA. 23+80.7 TO STA. 24+92.0
6.0' FROM STA. 24+92.0 TO STA. 30+03.0
- 2 7.0' FROM STA. 23+80.7 TO STA. 24+92.0
VARIES 7.0' TO 0.0' FROM STA. 24+92.0 TO STA. 25+00.0
0.0' FROM STA. 25+00.0 TO STA. 30+03.0
- 3 (P) REQ'D FROM STA. 23+80.7 TO STA. 30+03.0 LT.
- 4 10.0' FROM STA. 23+80.7 TO STA. 25+00.0
VARIES 10.0' TO 0.0' FROM STA. 25+00.0 TO STA. 26+00.0
0.0' FROM STA. 26+00.0 TO STA. 30+03.0
- 5 12.0' FROM STA. 23+80.7 TO STA. 29+35.0
VARIES 12.0' TO 14.3' FROM STA. 29+35.0 TO STA. 30+03.0
- 6 5.0' FROM STA. 23+80.7 TO STA. 25+00.0
VARIES 5.0' TO 0.0' FROM STA. 25+00.0 TO STA. 26+00.0
0.0' FROM STA. 26+00.0 TO STA. 30+03.0
- 7 6.0' FROM STA. 23+80.7 TO STA. 25+00.0
VARIES 6.0' TO 0.0' FROM STA. 25+00.0 TO STA. 26+00.0
0.0' FROM STA. 26+00.0 TO STA. 30+03.0
- 8 12.0' FROM STA. 23+80.7 TO STA. 29+35.0
VARIES 12.0' TO 14.9' FROM STA. 29+35.0 TO STA. 30+03.0
- 9 6.0' FROM STA. 30+03.0 TO STA. 31+92.0
5.0' FROM STA. 31+92.0 TO STA. 35+96.3
- 10 0.0' FROM STA. 30+03.0 TO STA. 31+56.0
VARIES 0.0' TO 10.0' FROM STA. 31+56.0 TO STA. 31+92.0
10.0' FROM STA. 31+92.0 TO STA. 35+96.3

LEGEND

- (B) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
275 lbs/syd QC/QA-HMA, 3, 76 INTERMEDIATE 19.0 mm ON
1045 lbs/syd QC/QA-HMA, 3, 70, BASE 25.0 mm
- (C) PCCP FOR APPROACHES, 9" ON
SUBGRADE TREATMENT TYPE IIIA
- (D) 1485 lbs/syd HMA FOR APPROACHES, TYPE C
- (F) CONCRETE SIDEWALK, 5"
- (L) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76 INTERMEDIATE 19.0mm ON
8" PCCP FOR STRUCTURE INSTALLATION
- (P) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
1320 lbs/syd HMA PATCHING, TYPE C
- (R) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH
TRANSITION MILLING
- (W) 165 lbs/syd QC/QA-HMA, 3, 76 SURFACE 9.5 mm ON
VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH
VARIABLE DEPTH SCARIFICATION/PROFILE MILLING
- (T) ASPHALT FOR TACK COAT
- (U) UTILITY STRIP, DECORATIVE (SEE SHEET NO. 35)
- (ET) SIDEWALK ELEVATION TRANSITION
- (X) CONCRETE CURB RAMP, TYPE "X"
- (10) 1/2" PREFORMED JOINT FILLER
- (15) CONCRETE CURB & GUTTER
- (26) SODDING (NURSERY)



DETAIL "B"
SCALE: 1"=1'



**TYPICAL CROSS SECTION
INCIDENTAL CONSTRUCTION
STA. 30+03.00 TO STA. 35+96.31 LINE "A"**
SCALE: 1"=4'

RECOMMENDED FOR APPROVAL *[Signature]* 6/18/2012
DESIGN ENGINEER DATE

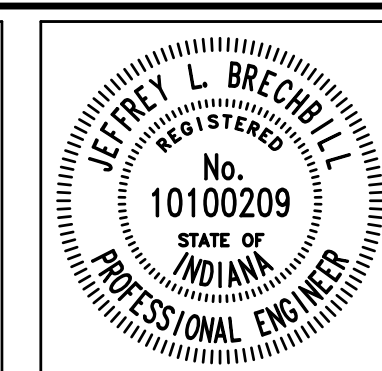
DESIGNED: J.L.B. DRAWN: M.D.T./ W.T.

CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
S.R. 152 (INDIANAPOLIS BLVD.)**

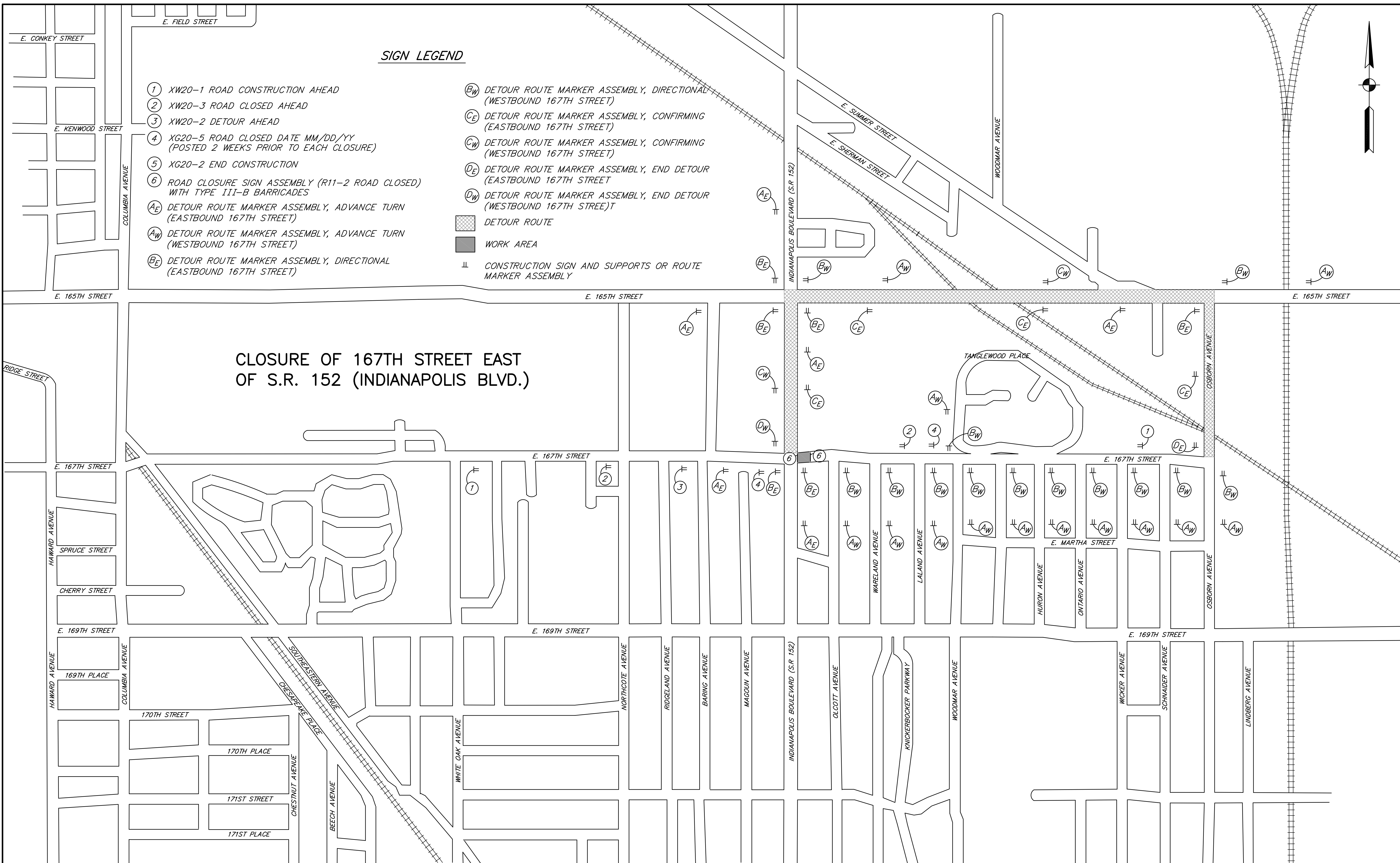
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0401043 & 1005297
SURVEY BOOK	SHEETS
	4 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



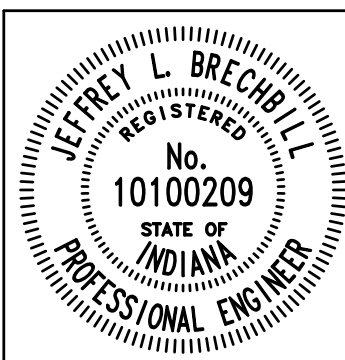
SIGN LEGEND

- ① XW20-1 ROAD CONSTRUCTION AHEAD
- ② XW20-3 ROAD CLOSED AHEAD
- ③ XW20-2 DETOUR AHEAD
- ④ XG20-5 ROAD CLOSED DATE MM/DD/YY (POSTED 2 WEEKS PRIOR TO EACH CLOSURE)
- ⑤ XG20-2 END CONSTRUCTION
- ⑥ ROAD CLOSURE SIGN ASSEMBLY (R11-2 ROAD CLOSED) WITH TYPE III-B BARRICADES
- (A_E) DETOUR ROUTE MARKER ASSEMBLY, ADVANCE TURN (EASTBOUND 167TH STREET)
- (A_W) DETOUR ROUTE MARKER ASSEMBLY, ADVANCE TURN (WESTBOUND 167TH STREET)
- (B_E) DETOUR ROUTE MARKER ASSEMBLY, DIRECTIONAL (EASTBOUND 167TH STREET)
- (B_W) DETOUR ROUTE MARKER ASSEMBLY, DIRECTIONAL (WESTBOUND 167TH STREET)
- (C_E) DETOUR ROUTE MARKER ASSEMBLY, CONFIRMING (EASTBOUND 167TH STREET)
- (C_W) DETOUR ROUTE MARKER ASSEMBLY, CONFIRMING (WESTBOUND 167TH STREET)
- (D_E) DETOUR ROUTE MARKER ASSEMBLY, END DETOUR (EASTBOUND 167TH STREET)
- (D_W) DETOUR ROUTE MARKER ASSEMBLY, END DETOUR (WESTBOUND 167TH STREET)
- ▨ DETOUR ROUTE
- WORK AREA
- ⊥ CONSTRUCTION SIGN AND SUPPORTS OR ROUTE MARKER ASSEMBLY

CLOSURE OF 167TH STREET EAST OF S.R. 152 (INDIANAPOLIS BLVD.)



NOTE: DETAILS OF ROAD CLOSURE TO BE USED IN CONJUNCTION WITH INDOT STANDARD DRAWINGS AND AS DIRECTED BY THE ENGINEER.



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brecht* 6/18/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: W.T.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

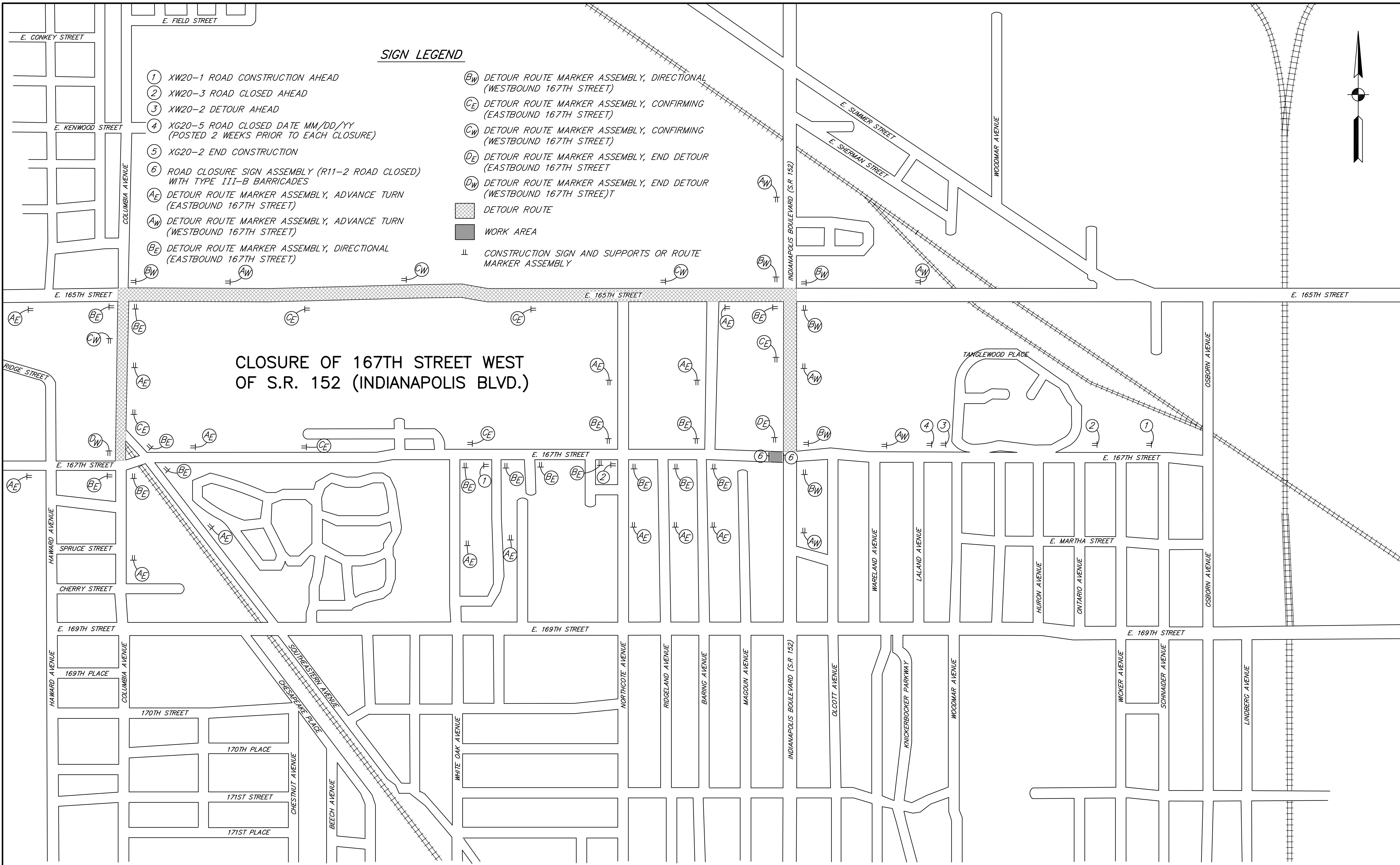
DETOUR - CLOSURE OF 167TH STREET EAST OF S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	
VERTICAL SCALE	DESIGNATION
N/A	0401043 & 1005297
SURVEY BOOK	SHEETS
	5 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

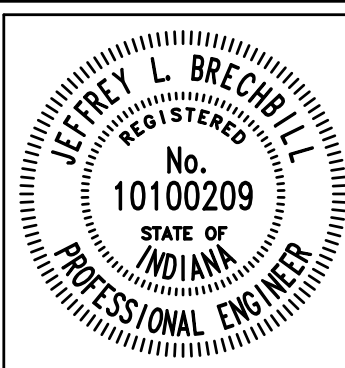
SIGN LEGEND

- ① XW20-1 ROAD CONSTRUCTION AHEAD
- ② XW20-3 ROAD CLOSED AHEAD
- ③ XW20-2 DETOUR AHEAD
- ④ XG20-5 ROAD CLOSED DATE MM/DD/YY (POSTED 2 WEEKS PRIOR TO EACH CLOSURE)
- ⑤ XG20-2 END CONSTRUCTION
- ⑥ ROAD CLOSURE SIGN ASSEMBLY (R11-2 ROAD CLOSED) WITH TYPE III-B BARRICADES
- (AE) DETOUR ROUTE MARKER ASSEMBLY, ADVANCE TURN (EASTBOUND 167TH STREET)
- (AW) DETOUR ROUTE MARKER ASSEMBLY, ADVANCE TURN (WESTBOUND 167TH STREET)
- (BE) DETOUR ROUTE MARKER ASSEMBLY, DIRECTIONAL (EASTBOUND 167TH STREET)
- (BW) DETOUR ROUTE MARKER ASSEMBLY, DIRECTIONAL (WESTBOUND 167TH STREET)
- (CE) DETOUR ROUTE MARKER ASSEMBLY, CONFIRMING (EASTBOUND 167TH STREET)
- (CW) DETOUR ROUTE MARKER ASSEMBLY, CONFIRMING (WESTBOUND 167TH STREET)
- (DE) DETOUR ROUTE MARKER ASSEMBLY, END DETOUR (EASTBOUND 167TH STREET)
- (DW) DETOUR ROUTE MARKER ASSEMBLY, END DETOUR (WESTBOUND 167TH STREET)
- ▨ DETOUR ROUTE
- WORK AREA
- ⊥ CONSTRUCTION SIGN AND SUPPORTS OR ROUTE MARKER ASSEMBLY

CLOSURE OF 167TH STREET WEST OF S.R. 152 (INDIANAPOLIS BLVD.)



NOTE: DETAILS OF ROAD CLOSURE TO BE USED IN CONJUNCTION WITH INDOT STANDARD DRAWINGS AND AS DIRECTED BY THE ENGINEER.

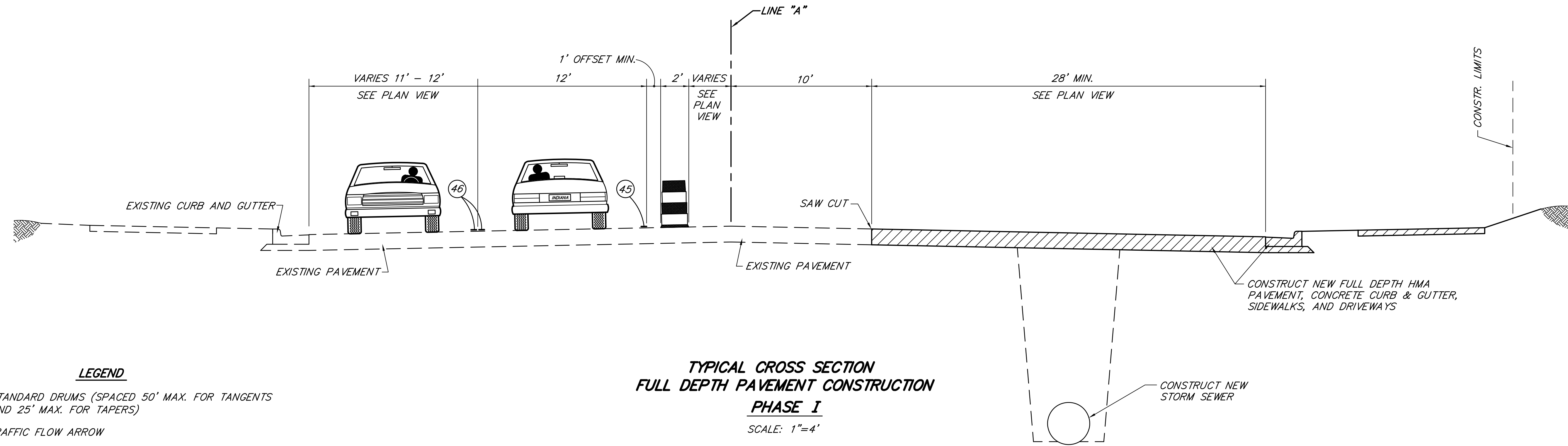


RECOMMENDED FOR APPROVAL	<i>Jeffrey L. Brechtel</i>	6/18/2012
DESIGNED: J.L.B.	DRAWN: W.T.	DATE
CHECKED: L.C.S./D.W.C.	CHECKED: J.L.B.	

INDIANA DEPARTMENT OF TRANSPORTATION

DETOUR - CLOSURE OF 167TH STREET WEST OF S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	
VERTICAL SCALE	DESIGNATION
N/A	0401043 & 1005297
SURVEY BOOK	SHEETS
	6 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



**TYPICAL CROSS SECTION
FULL DEPTH PAVEMENT CONSTRUCTION
PHASE I**
SCALE: 1"=4'

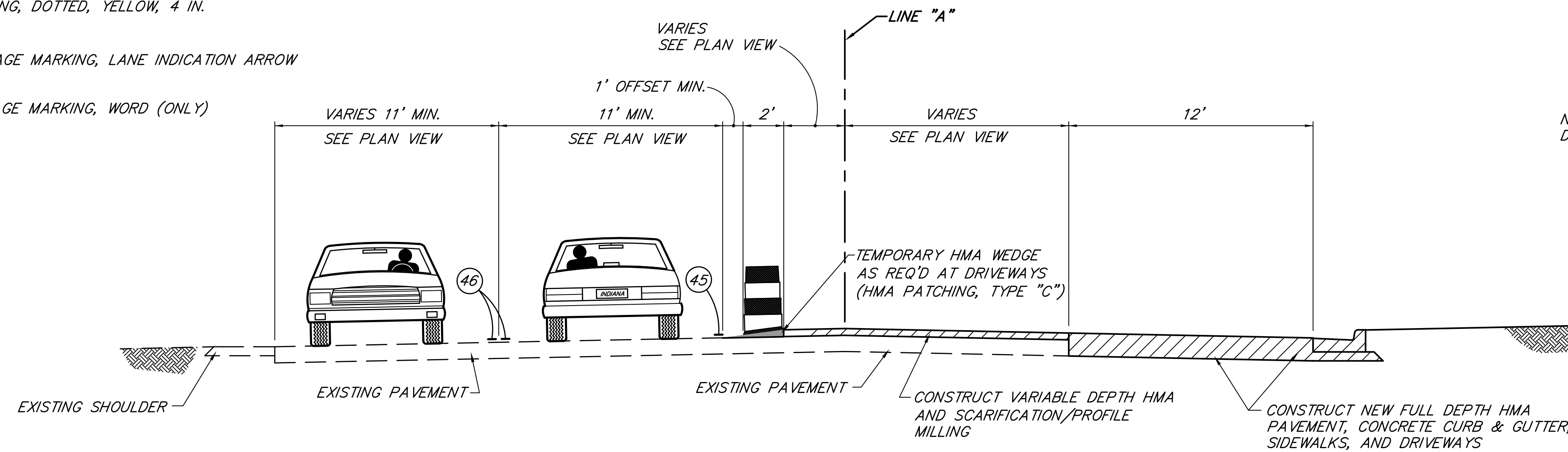
LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- TRAFFIC FLOW ARROW
- CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- STANDARD BARRICADE TYPE III-B
- FLASHING ARROW SIGN
- AREA TO BE CONSTRUCTED DURING THIS PHASE
- ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- FLAGGER

SIGN LEGEND

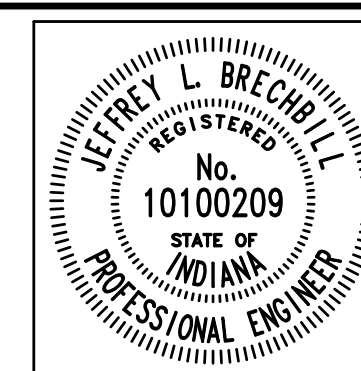
- XW20-1 - ROAD CONSTRUCTION AHEAD
- XW13-1A() - SPEED LIMIT (25 mph)
- XW1-4-A - LANE SHIFT RIGHT
- XW21-5(A) - SHOULDER WORK
- XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- XW20-7 - FLAGGER SYMBOL SIGN
- R3-5(R) - RIGHT TURN ONLY
- W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- XG20-2 - END CONSTRUCTION
- R11-4 - ROAD CLOSED TO THRU TRAFFIC
- XW20-5(R) - RIGHT LANE CLOSED AHEAD
- XW20-5(L) - LEFT LANE CLOSED AHEAD
- XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: DESIGN SPEED FOR MAINTENANCE OF TRAFFIC = 25 mph



**TYPICAL CROSS SECTION
INCIDENTAL CONSTRUCTION
PHASE I**
SCALE: 1"=4'

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.



RECOMMENDED FOR APPROVAL *Jeffrey L. Brechler* 6/18/2012
DESIGN ENGINEER DATE

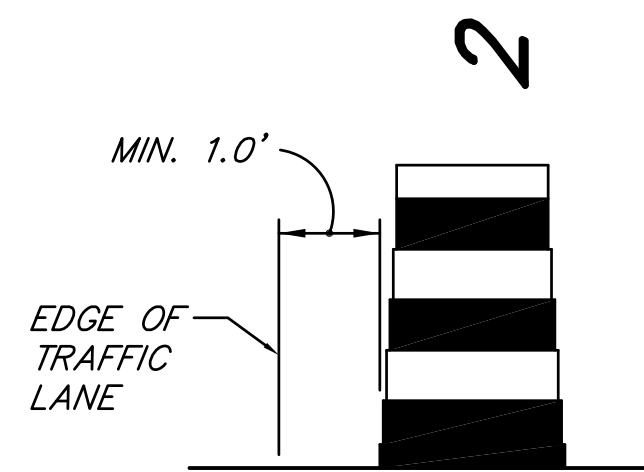
DESIGNED: J.L.B. DRAWN: W.T.

CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

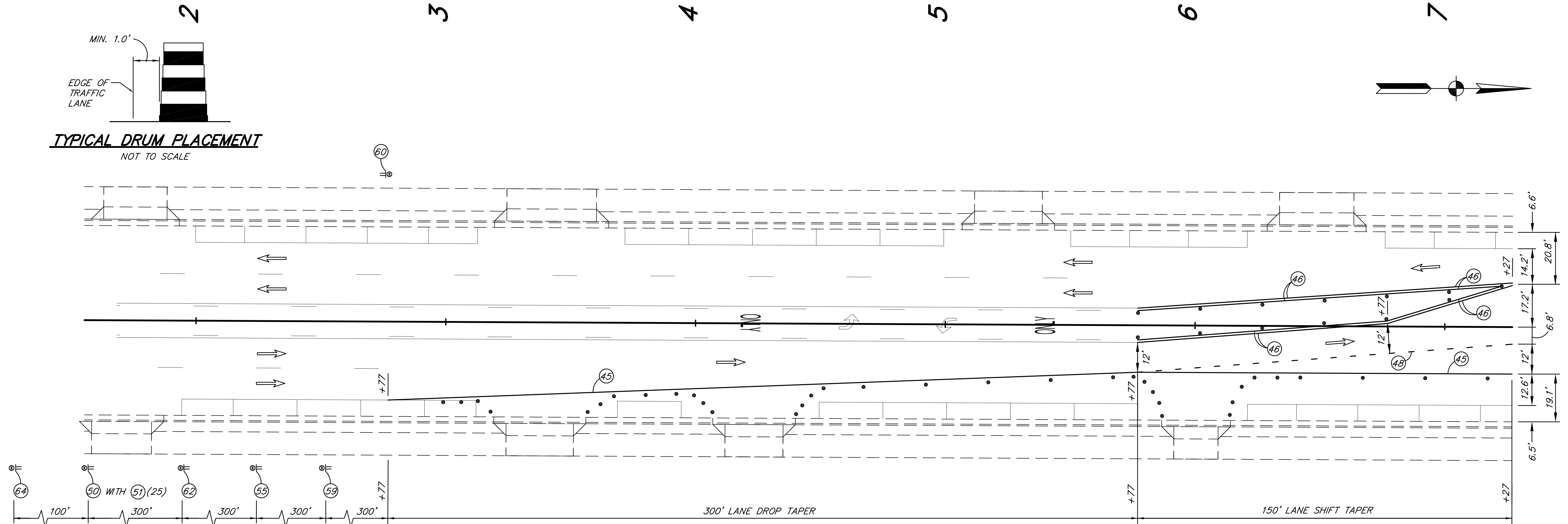
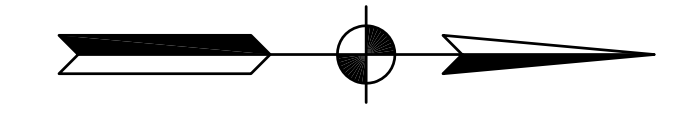
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**M.O.T. PHASE I
S.R. 152 (INDIANAPOLIS BLVD.)**

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0401043 & 1005297
SURVEY BOOK	SHEETS
	7 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



TYPICAL DRUM PLACEMENT
NOT TO SCALE



LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊕ STANDARD BARRICADE TYPE III-B
- ⊕ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④⑤ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④⑥ TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④⑦ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④⑧ TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- ④⑨ TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- ↪ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⊕ FLAGGER

SIGN LEGEND

- ⑤⑩ XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤⑪ XW13-1A() - SPEED LIMIT (25 mph)
- ⑤⑫ XW1-4-A - LANE SHIFT RIGHT
- ⑤⑬ XW21-5(A) - SHOULDER WORK
- ⑤⑭ XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤⑮ XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤⑯ XW20-7 - FLAGGER SYMBOL SIGN
- ⑤⑰ R3-5(R) - RIGHT TURN ONLY
- ⑤⑱ W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤⑲ W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑥⑰ XG20-2 - END CONSTRUCTION
- ⑥⑱ R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑥⑲ XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑥⑳ XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥㉑ XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

	RECOMMENDED FOR APPROVAL: <i>Jeffrey L. Brechler</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE I S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
	DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		VERTICAL SCALE DESIGNATION 0401043 & 1005297	SURVEY BOOK SHEETS 8 of 80

7

8

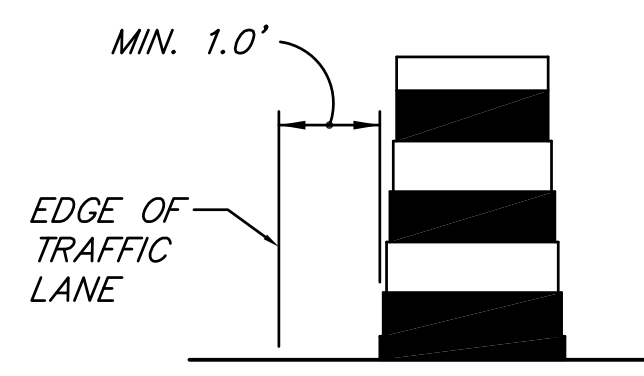
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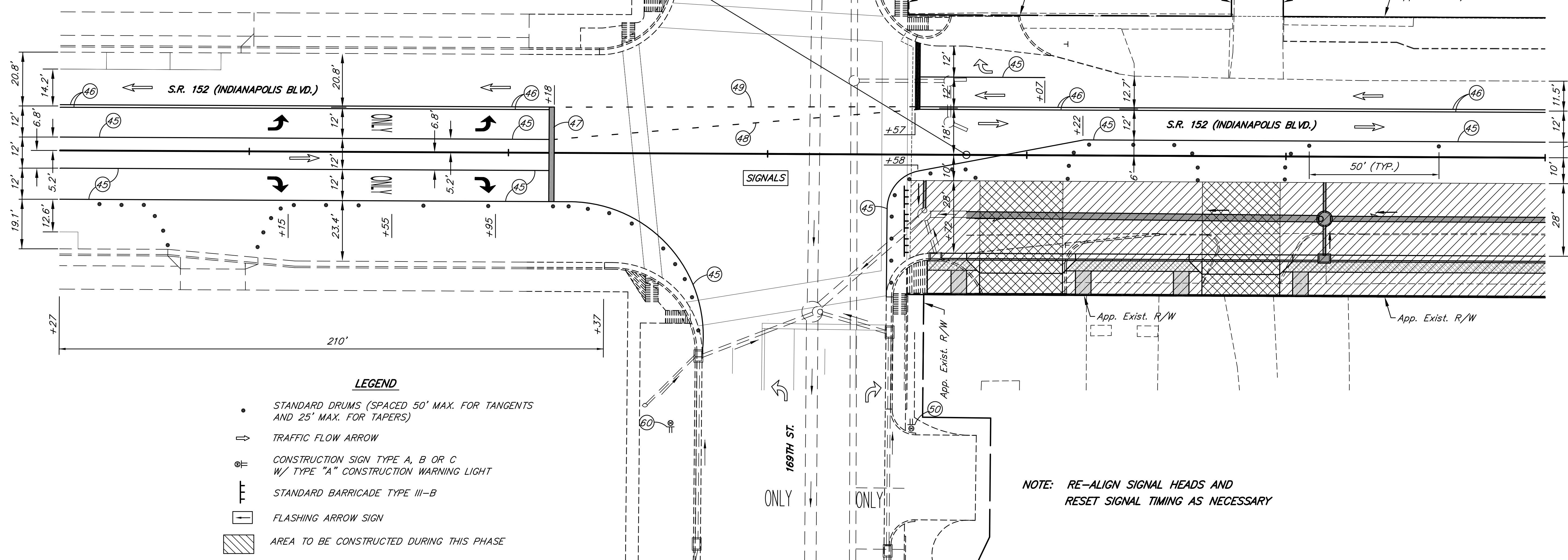
12

13



TYPICAL DRUM PLACEMENT
NOT TO SCALE

BEGIN PROJECT STP-9945(089)
STA. 10+76.70 LINE "A"



LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ☒ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- TT STANDARD BARRICADE TYPE III-B
- ⚡ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④⑤ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④⑥ TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④⑦ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④⑧ TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- ④⑨ TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚡ FLAGGER

NOTE: RE-ALIGN SIGNAL HEADS AND RESET SIGNAL TIMING AS NECESSARY

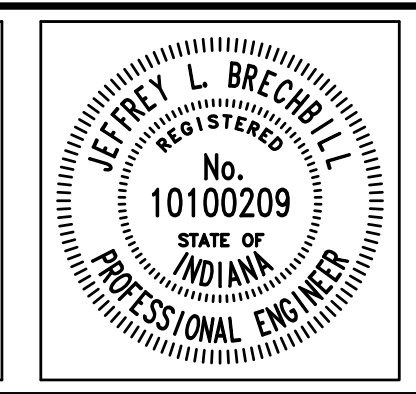
SIGN LEGEND

- ⑤① XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤② XW13-1A() - SPEED LIMIT (25 mph)
- ⑤③ XW1-4-A - LANE SHIFT RIGHT
- ⑤④ XW21-5(A) - SHOULDER WORK
- ⑤⑤ XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤⑥ XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤⑦ XW20-7 - FLAGGER SYMBOL SIGN
- ⑤⑧ R3-5(R) - RIGHT TURN ONLY
- ⑤⑨ W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤⑩ W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑤⑪ XG20-2 - END CONSTRUCTION
- ⑤⑫ R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑤⑬ XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑤⑭ XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑤⑮ XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

RECOMMENDED FOR APPROVAL *[Signature]* 6/18/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: W.T.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.



INDIANA DEPARTMENT OF TRANSPORTATION

M.O.T. PHASE I
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	9 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

13

14

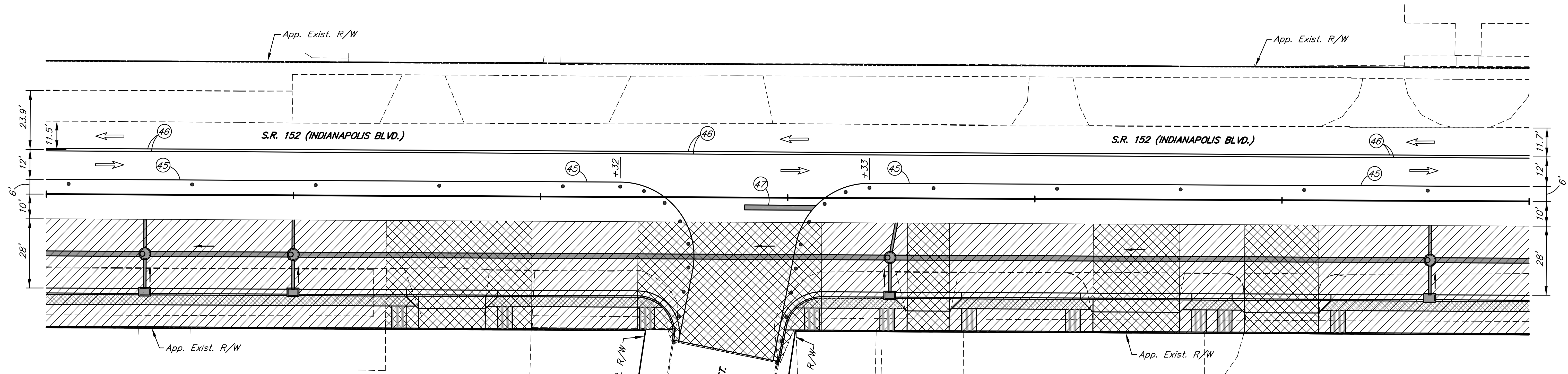
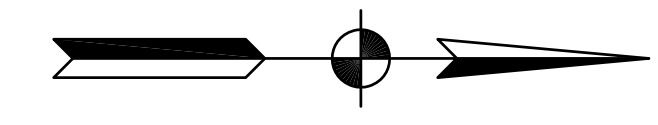
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LEGEND

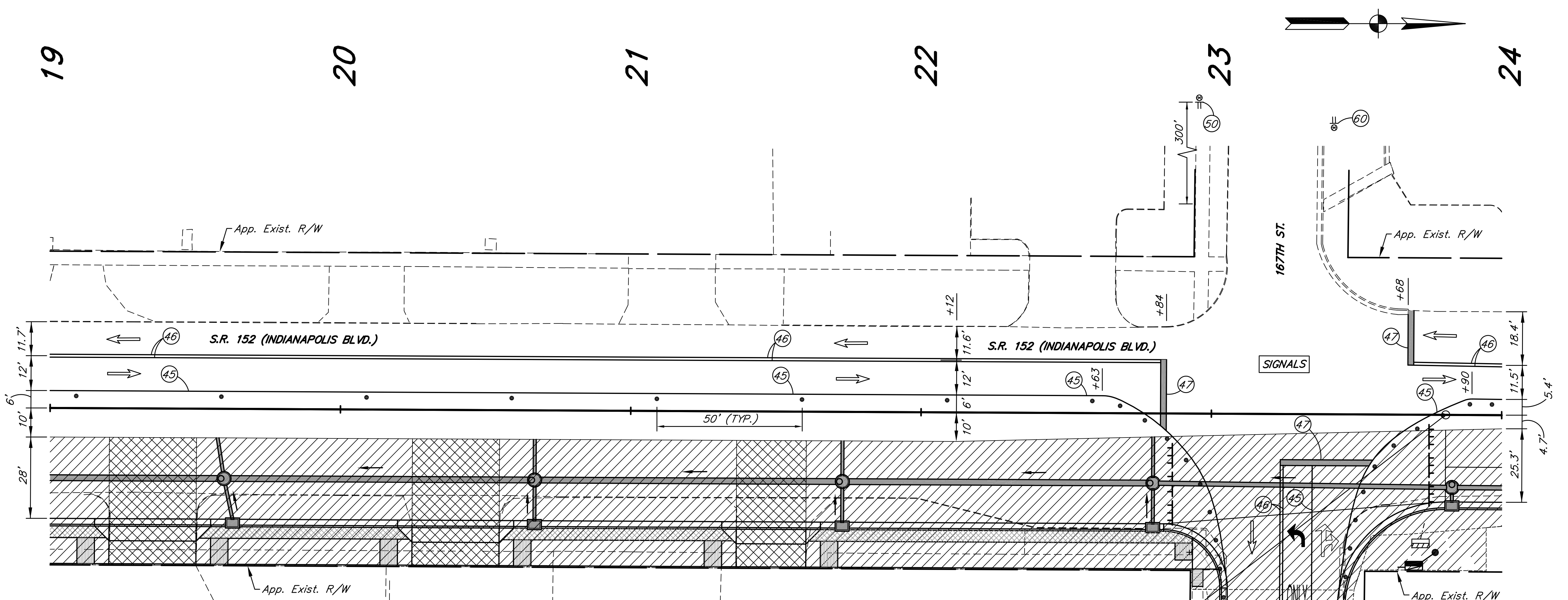
- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C
W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊥ STANDARD BARRICADE TYPE III-B
- ⊠ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES
PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④⑤ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④⑥ TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④⑦ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④⑧ TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN.
(2' SEGMENT, 4' GAP)
- ④⑨ TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN.
(2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⊠ FLAGGER

SIGN LEGEND

- ⑤⑩ XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤⑪ XW13-1A() - SPEED LIMIT (25 mph)
- ⑤⑫ XW1-4-A - LANE SHIFT RIGHT
- ⑤⑬ XW21-5(A) - SHOULDER WORK
- ⑤⑭ XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤⑮ XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤⑯ XW20-7 - FLAGGER SYMBOL SIGN
- ⑤⑰ R3-5(R) - RIGHT TURN ONLY
- ⑤⑱ W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤⑲ W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑤⑳ XG20-2 - END CONSTRUCTION
- ⑤㉑ R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑤㉒ XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑤㉓ XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑤㉔ XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

						RECOMMENDED FOR APPROVAL <i>J. Brechler</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE I S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE DESIGNATION 0401043 & 1005297	BRIDGE FILE SHEETS 10 of 80 PROJECT STP-9945(089)
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.			



**END PROJECT STP-9945(089)
STA. 23+80.72 LINE "A"
BEGIN INCIDENTAL CONSTRUCTION**

SEE SHEET NO. 5 FOR
SHORT-TERM CLOSURE AND
DETOUR FOR 167TH STREET

**NOTE:
RE-ALIGN SIGNAL HEADS AND RESET
SIGNAL TIMING.**

LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- TRAFFIC FLOW ARROW
- ⊕ W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊥ STANDARD BARRICADE TYPE III-B
- ⬄ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④5 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④6 TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④7 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④8 TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- ④9 TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚠ FLAGGER

SIGN LEGEND

- ⑤0 XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤1 XW13-1A() - SPEED LIMIT (25 mph)
- ⑤2 XW1-4-A - LANE SHIFT RIGHT
- ⑤3 XW21-5(A) - SHOULDER WORK
- ⑤4 XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤5 XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤6 XW20-7 - FLAGGER SYMBOL SIGN
- ⑤7 R3-5(R) - RIGHT TURN ONLY
- ⑤8 W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤9 W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑥0 XG20-2 - END CONSTRUCTION
- ⑥1 R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑥2 XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑥3 XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥4 XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

						RECOMMENDED FOR APPROVAL <i>J. Brechler</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE DESIGNATION 0401043 & 1005297
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.	M.O.T. PHASE I S.R. 152 (INDIANAPOLIS BLVD.)	SURVEY BOOK SHEETS 11 of 80 CONTRACT PROJECT R-28972 STP-9945(089)

24

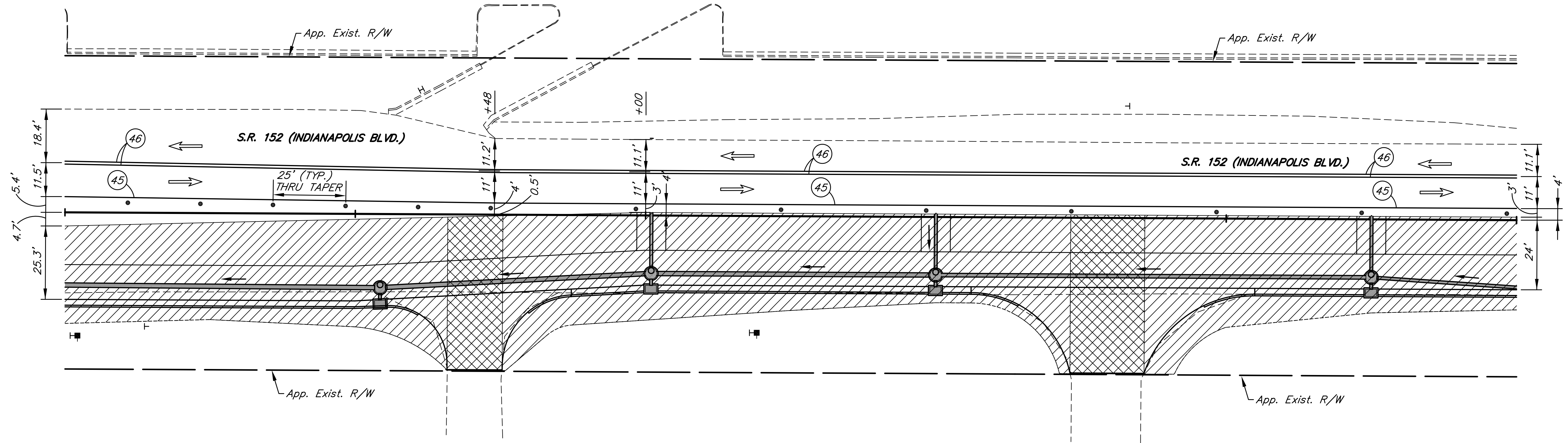
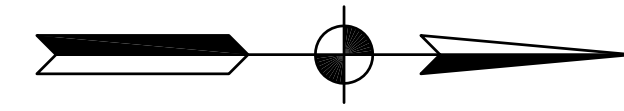
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LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C
W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊥ STANDARD BARRICADE TYPE III-B
- ⊠ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES
PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④5 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④6 TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④7 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④8 TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN.
(2' SEGMENT, 4' GAP)
- ④9 TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN.
(2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚠ FLAGGER

SIGN LEGEND

- ⑤0 XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤1 XW13-1A() - SPEED LIMIT (25 mph)
- ⑤2 XW1-4-A - LANE SHIFT RIGHT
- ⑤3 XW21-5(A) - SHOULDER WORK
- ⑤4 XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤5 XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤6 XW20-7 - FLAGGER SYMBOL SIGN
- ⑤7 R3-5(R) - RIGHT TURN ONLY
- ⑤8 W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤9 W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑥0 XG20-2 - END CONSTRUCTION
- ⑥1 R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑥2 XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑥3 XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥4 XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

						RECOMMENDED FOR APPROVAL <i>J.L.B.</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE I S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE DESIGNATION 0401043 & 1005297	BRIDGE FILE SURVEY BOOK SHEETS 12 of 80 CONTRACT PROJECT R-28972 STP-9945(089)
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.			

29

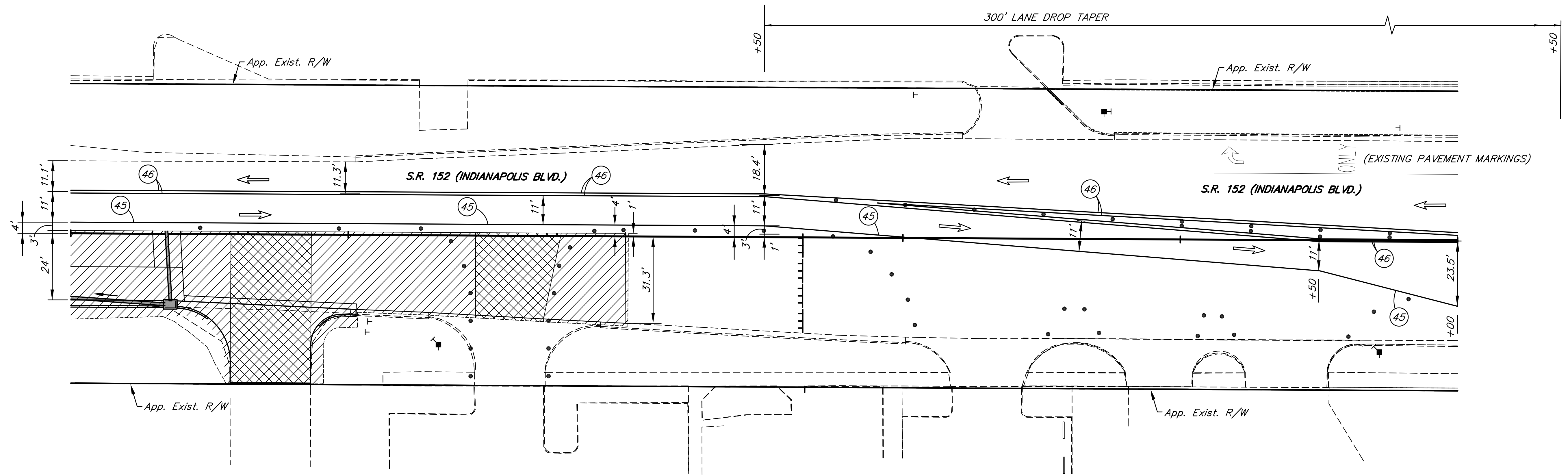
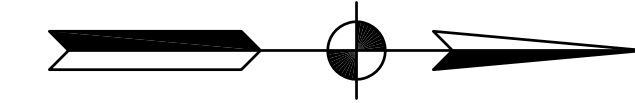
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LEGEND

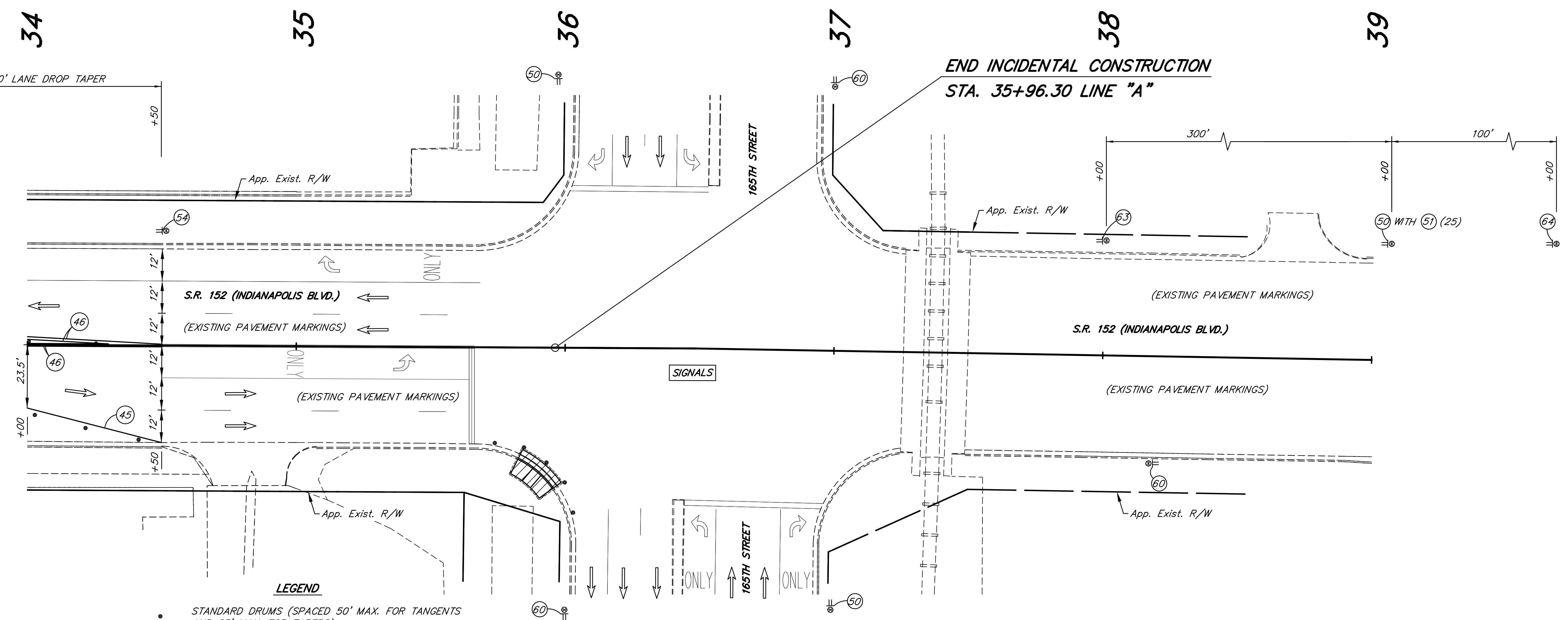
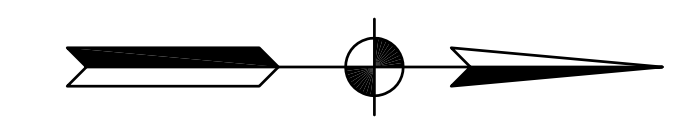
- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊠ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊠ STANDARD BARRICADE TYPE III-B
- ⊠ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- (45) TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- (46) TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- (47) TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- (48) TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- (49) TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⊠ FLAGGER

SIGN LEGEND

- (50) XW20-1 - ROAD CONSTRUCTION AHEAD
- (51) XW13-1A() - SPEED LIMIT (25 mph)
- (52) XW1-4-A - LANE SHIFT RIGHT
- (53) XW21-5(A) - SHOULDER WORK
- (54) XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- (55) XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- (56) XW20-7 - FLAGGER SYMBOL SIGN
- (57) R3-5(R) - RIGHT TURN ONLY
- (58) W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- (59) W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- (60) XG20-2 - END CONSTRUCTION
- (61) R11-4 - ROAD CLOSED TO THRU TRAFFIC
- (62) XW20-5(R) - RIGHT LANE CLOSED AHEAD
- (63) XW20-5(L) - LEFT LANE CLOSED AHEAD
- (64) XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

						RECOMMENDED FOR APPROVAL <i>J. Brechler</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE I S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE SURVEY BOOK CONTRACT R-28972	BRIDGE FILE DESIGNATION 0401043 & 1005297 SHEETS 13 of 80 PROJECT STP-9945(089)	
						DESIGNED: J.L.B. DRAWN: WT				
						CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.				



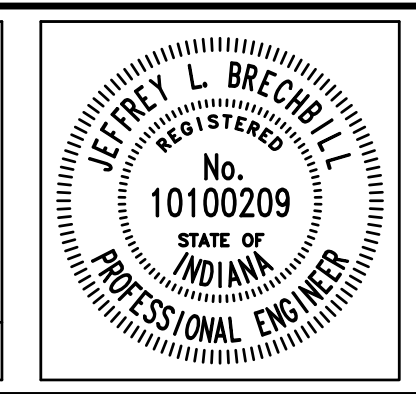
LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C
W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊕ STANDARD BARRICADE TYPE III-B
- ⊕ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
- ▩ ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES
PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
- ④5 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
- ④6 TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
- ④7 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④8 TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN.
(2' SEGMENT, 4' GAP)
- ④9 TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN.
(2' SEGMENT, 4' GAP)
- ↪ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚠ FLAGGER

SIGN LEGEND

- ⑤0 XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤1 XW13-1A() - SPEED LIMIT (25 mph)
- ⑤2 XW1-4-A - LANE SHIFT RIGHT
- ⑤3 XW21-5(A) - SHOULDER WORK
- ⑤4 XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤5 XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤6 XW20-7 - FLAGGER SYMBOL SIGN
- ⑤7 R3-5(R) - RIGHT TURN ONLY
- ⑤8 W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤9 W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑥0 XG20-2 - END CONSTRUCTION
- ⑥1 R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑥2 XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑥3 XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥4 XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE I.

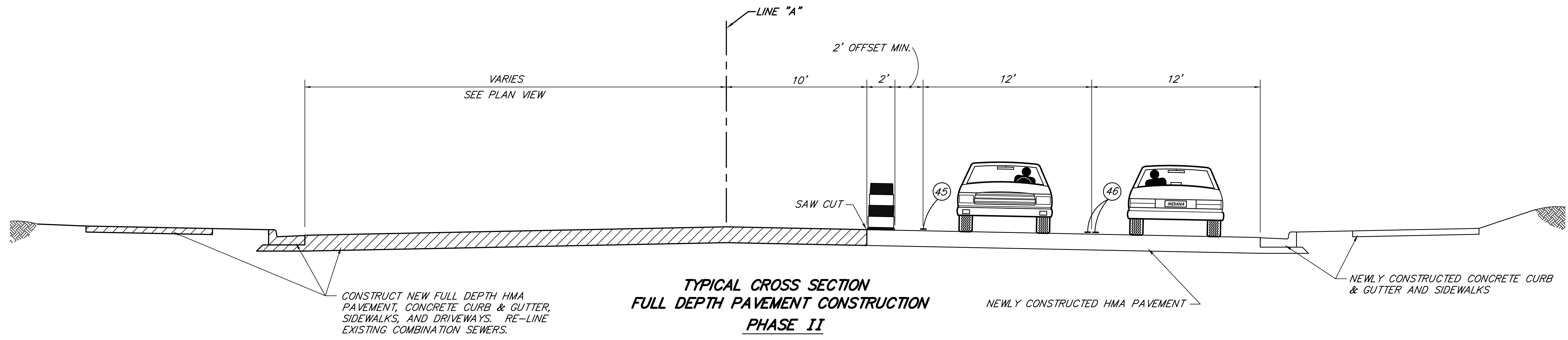


RECOMMENDED FOR APPROVAL	<i>Jeffrey L. Brechler</i>	6/18/2012
DESIGNED:	J.L.B.	DRAWN: WT
CHECKED:	L.C.S./D.W.C.	CHECKED: J.L.B.

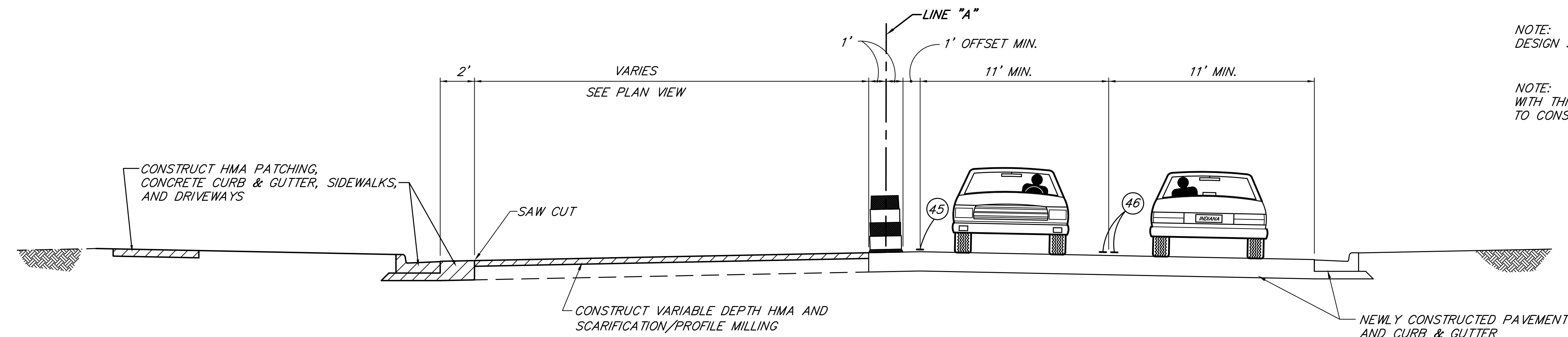
INDIANA DEPARTMENT OF TRANSPORTATION

M.O.T. PHASE I
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	14 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



**TYPICAL CROSS SECTION
FULL DEPTH PAVEMENT CONSTRUCTION
PHASE II**
SCALE: 1"=4'



**TYPICAL CROSS SECTION
INCIDENTAL CONSTRUCTION
PHASE II**
SCALE: 1"=4'

NOTE:
DESIGN SPEED FOR MAINTENANCE OF TRAFFIC = 25 mph

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE II.

- LEGEND**
- OR STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
 - TRAFFIC FLOW ARROW
 - CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
 - STANDARD BARRICADE TYPE III-B
 - FLASHING ARROW SIGN
 - AREA TO BE CONSTRUCTED DURING THIS PHASE
 - ACCESS TO STREETS & DRIVES TO BE MAINTAINED AT ALL TIMES PORTIONS TO BE CONSTRUCTED USING FLAGGER WHEN NECESSARY.
 - 45 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
 - 46 TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4 IN.
 - 47 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
 - 48 TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
 - 49 TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
 - TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
 - TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
 - FLAGGER

- SIGN LEGEND**
- 50 XW20-1 - ROAD CONSTRUCTION AHEAD
 - 51 XW13-1A() - SPEED LIMIT (25 mph)
 - 52 XW1-4-A - LANE SHIFT RIGHT
 - 53 XW21-5(A) - SHOULDER WORK
 - 54 XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
 - 55 XW9-2-A(L) - LANE ENDS MERGE (LEFT)
 - 56 XW20-7 - FLAGGER SYMBOL SIGN
 - 57 R3-5(R) - RIGHT TURN ONLY
 - 58 W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
 - 59 W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
 - 60 XG20-2 - END CONSTRUCTION
 - 61 R11-4 - ROAD CLOSED TO THRU TRAFFIC
 - 62 XW20-5(R) - RIGHT LANE CLOSED AHEAD
 - 63 XW20-5(L) - LEFT LANE CLOSED AHEAD
 - 64 XG20-7a - WORKSITE ADDED PENALTY SIGN

MAINTENANCE OF TRAFFIC SUMMARY OF QUANTITIES			
ITEM	QUANTITIES PER PHASE		TOTALS
	PHASE I	PHASE II	
45 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4"	3,795 LFT	3,352 LFT	7,147 LFT
46 TEMPORARY PAVEMENT MARKING, SOLID, YELLOW, 4"	6,304 LFT	5,758 LFT	12,062 LFT
47 TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24"	141 LFT	160 LFT	301 LFT
48 TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4"	289 LFT	150 LFT	439 LFT
49 TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4"	139 LFT	276 LFT	415 LFT
TEMPORARY PAVEMENT MARKING, PAINT, LANE INDICATION ARROW	5 EACH	8 EACH	13 EACH
TEMPORARY PAVEMENT MESSAGE MARKING, WORD, (ONLY)	3 EACH	4 EACH	7 EACH
BARRICADE, TYPE III-B	270 LFT	250 LFT	* 270 LFT
CONSTRUCTION SIGNS, TYPE "A"	32 EACH	31 EACH	* 32 EACH
CONSTRUCTION SIGNS, TYPE "B"	2 EACH	2 EACH	* 2 EACH
CONSTRUCTION SIGNS, TYPE "C"	2 EACH	2 EACH	* 2 EACH
DETOUR ROUTE MARKER ASSEMBLY	46 EACH	53 EACH	* 53 EACH
ROAD CLOSURE SIGN ASSEMBLY	2 EACH	2 EACH	* 2 EACH
RE-ALIGN SIGNAL HEADS	16 EACH	16 EACH	32 EACH
LINE, REMOVE (UNDISTRIBUTED)			10,000 LFT
HMA PATCHING, TYPE C (UNDISTRIBUTED - FOR DRIVES)	100 TONS		100 TONS
TEMPORARY TRAFFIC SIGNAL INSTALLATION, MAINTAIN			1 LS
CONTROLLER, RESET TIMING	2 EACH	2 EACH	4 EACH

* MAXIMUM REQUIRED DURING ANY SINGLE PHASE

	RECOMMENDED FOR APPROVAL <i>Jeffrey L. Brechler</i> 6/18/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE II S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE AS NOTED	BRIDGE FILE
	DESIGNED: J.L.B.		DRAWN: W.T.	VERTICAL SCALE AS NOTED
CHECKED: L.C.S./D.W.C.	CHECKED: J.L.B.		SURVEY BOOK	SHEETS 15 of 80
			CONTRACT R-28972	PROJECT STP-9945(089)

2

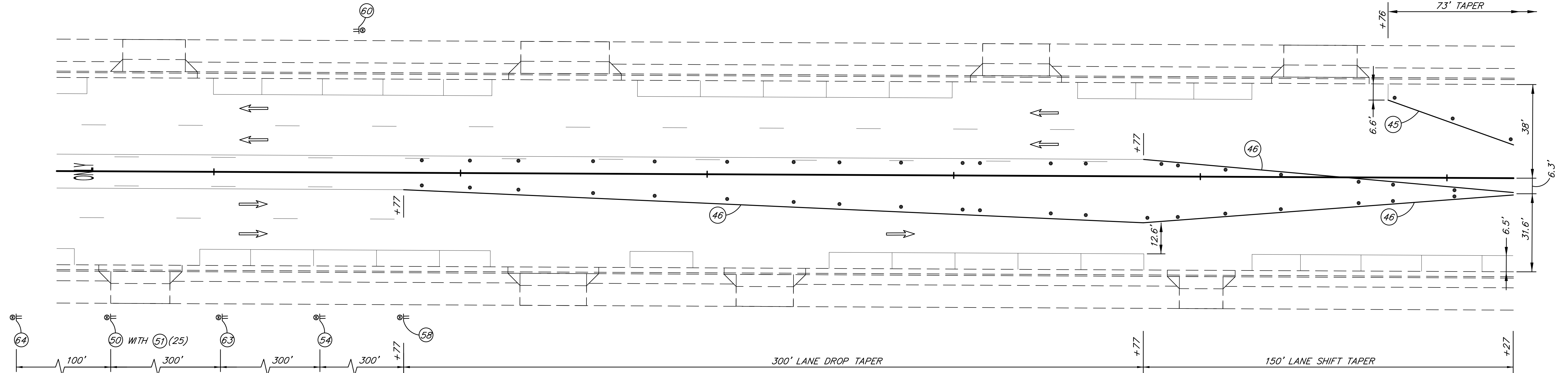
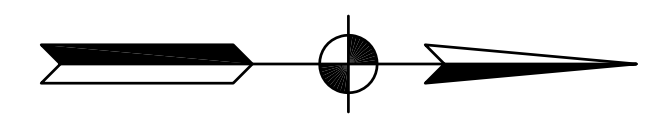
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LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊥ STANDARD BARRICADE TYPE III-B
- ⊠ FLASHING ARROW SIGN
- ▨ AREA TO BE CONSTRUCTED DURING THIS PHASE
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- ④⑤ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 4 IN.
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- ④⑦ TEMPORARY PAVEMENT MARKING, SOLID, WHITE, 24 IN.
- ④⑧ TEMPORARY PAVEMENT MARKING, DOTTED, WHITE, 4 IN. (2' SEGMENT, 4' GAP)
- ④⑨ TEMPORARY PAVEMENT MARKING, DOTTED, YELLOW, 4 IN. (2' SEGMENT, 4' GAP)
- ↩ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⊠ FLAGGER

SIGN LEGEND

- ⑤⑩ XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤⑪ XW13-1A() - SPEED LIMIT (25 mph)
- ⑤⑫ XW1-4-A - LANE SHIFT RIGHT
- ⑤⑬ XW21-5(A) - SHOULDER WORK
- ⑤⑭ XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤⑮ XW9-2-A(L) - LANE ENDS MERGE (LEFT)
- ⑤⑯ XW20-7 - FLAGGER SYMBOL SIGN
- ⑤⑰ R3-5(R) - RIGHT TURN ONLY
- ⑤⑱ W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
- ⑤⑲ W4-2-A(L) - LANE ENDS SYMBOL MERGE (LEFT)
- ⑥⑰ XG20-2 - END CONSTRUCTION
- ⑥⑱ R11-4 - ROAD CLOSED TO THRU TRAFFIC
- ⑥⑲ XW20-5(R) - RIGHT LANE CLOSED AHEAD
- ⑥⑳ XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥㉑ XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE II.

						RECOMMENDED FOR APPROVAL <i>Jeffrey L. Brechler</i> 6/8/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE II S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE DESIGNATION 0401043 & 1005297
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		SURVEY BOOK SHEETS 16 of 80 CONTRACT PROJECT R-28972 STP-9945(089)

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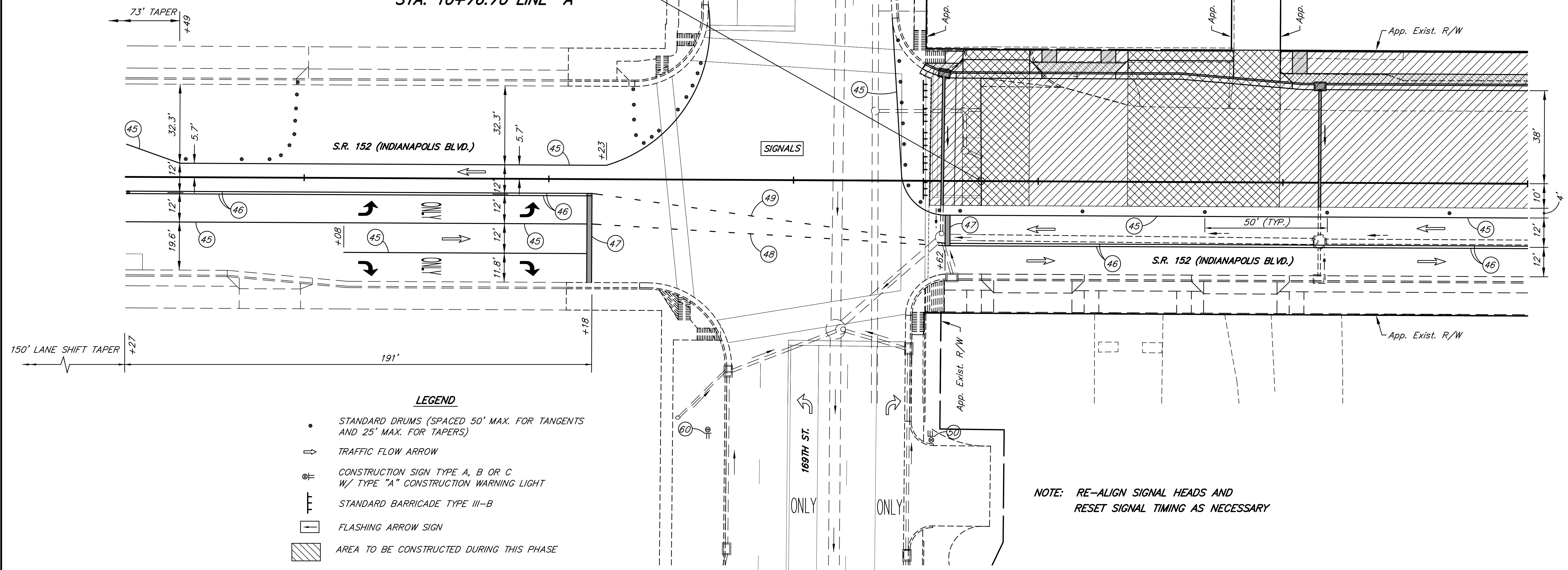
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BEGIN PROJECT STP-9945(089)
STA. 10+76.70 LINE "A"



LEGEND

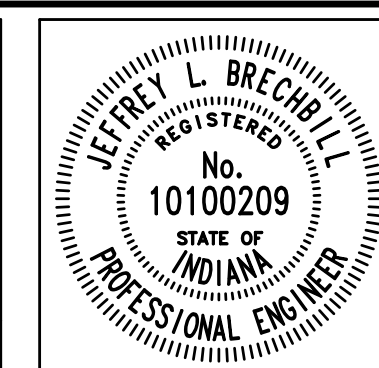
- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C
W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- ⊥ STANDARD BARRICADE TYPE III-B
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(2' SEGMENT, 4' GAP)
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(2' SEGMENT, 4' GAP)
- ⇨ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚑ FLAGGER

NOTE: RE-ALIGN SIGNAL HEADS AND
RESET SIGNAL TIMING AS NECESSARY

SIGN LEGEND

- ⑤0 XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤1 XW13-1A() - SPEED LIMIT (25 mph)
- ⑤2 XW1-4-A - LANE SHIFT RIGHT
- ⑤3 XW21-5(A) - SHOULDER WORK
- ⑤4 XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
- ⑤5 XW9-2-A(L) - LANE ENDS MERGE (LEFT)
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- ⑤7 R3-5(R) - RIGHT TURN ONLY
- ⑤8 W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
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NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT
WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR
TO CONSTRUCTION OF PHASE II.



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brechler* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: W.T.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

M.O.T. PHASE II
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 17 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

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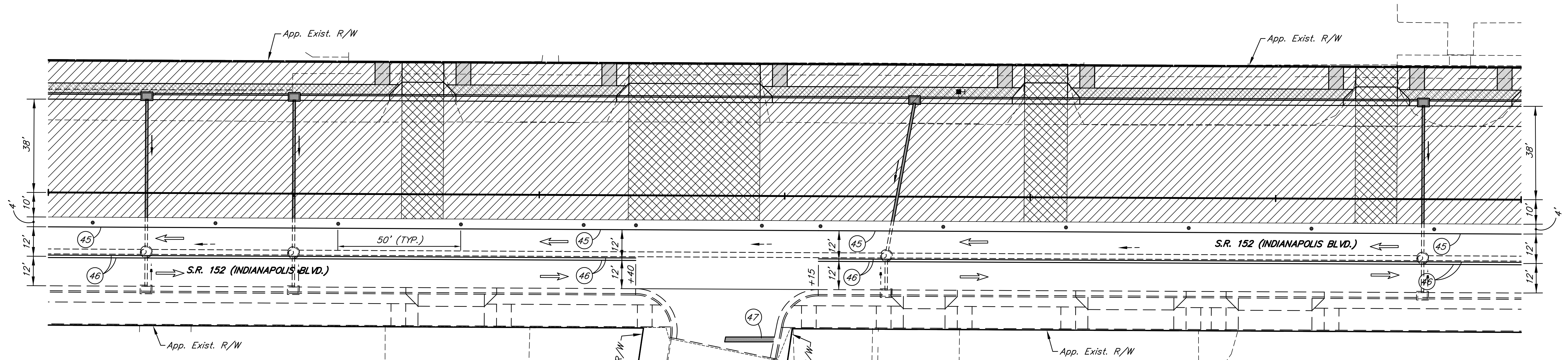
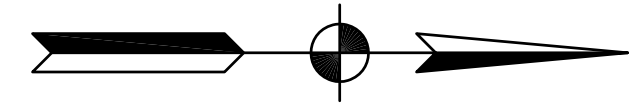
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LEGEND

- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ⇨ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
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- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚑ FLAGGER

SIGN LEGEND

- ⑤⑩ XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤⑪ XW13-1A() - SPEED LIMIT (25 mph)
- ⑤⑫ XW1-4-A - LANE SHIFT RIGHT
- ⑤⑬ XW21-5(A) - SHOULDER WORK
- ⑤⑭ XW9-2-A(R) - LANE ENDS MERGE (RIGHT)
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- ⑤⑯ XW20-7 - FLAGGER SYMBOL SIGN
- ⑤⑰ R3-5(R) - RIGHT TURN ONLY
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- ⑥⑱ R11-4 - ROAD CLOSED TO THRU TRAFFIC
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NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE II.

						RECOMMENDED FOR APPROVAL <i>Jeffrey L. Breckbill</i> 6/8/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE II S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE	BRIDGE FILE DESIGNATION 0401043 & 1005297
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		SURVEY BOOK CONTRACT R-28972	SHEETS 18 of 80 PROJECT STP-9945(089)

29

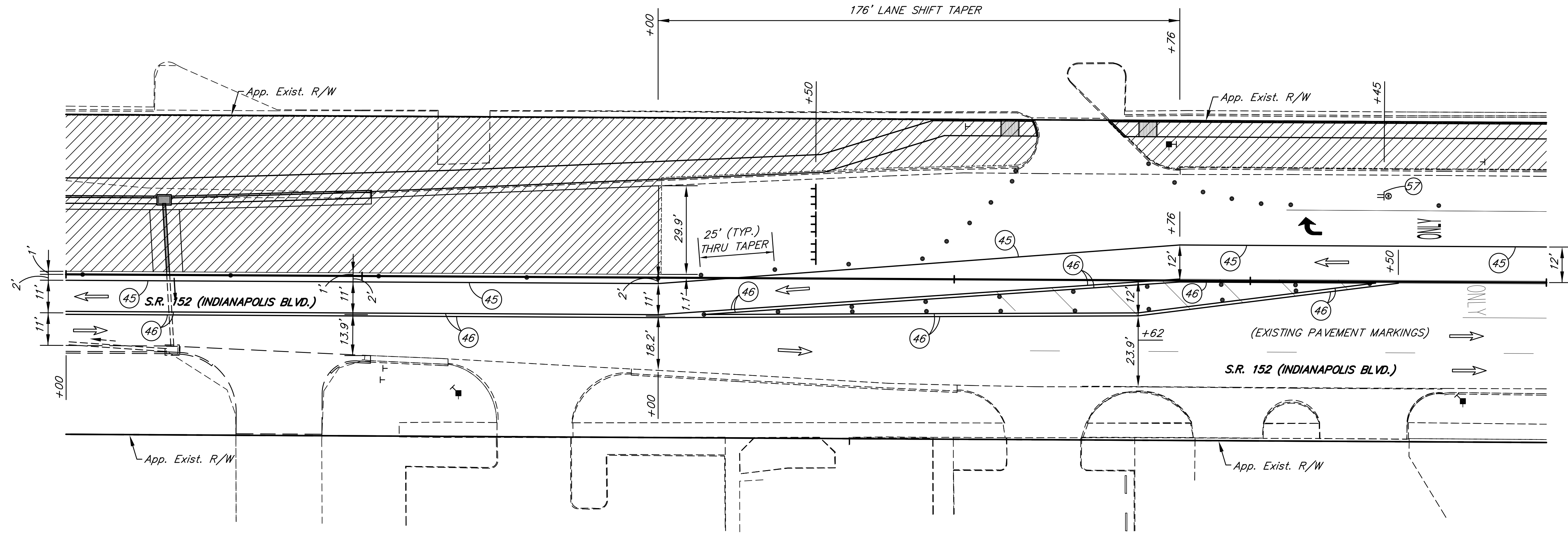
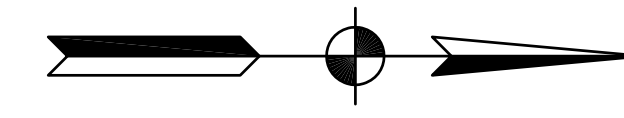
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LEGEND

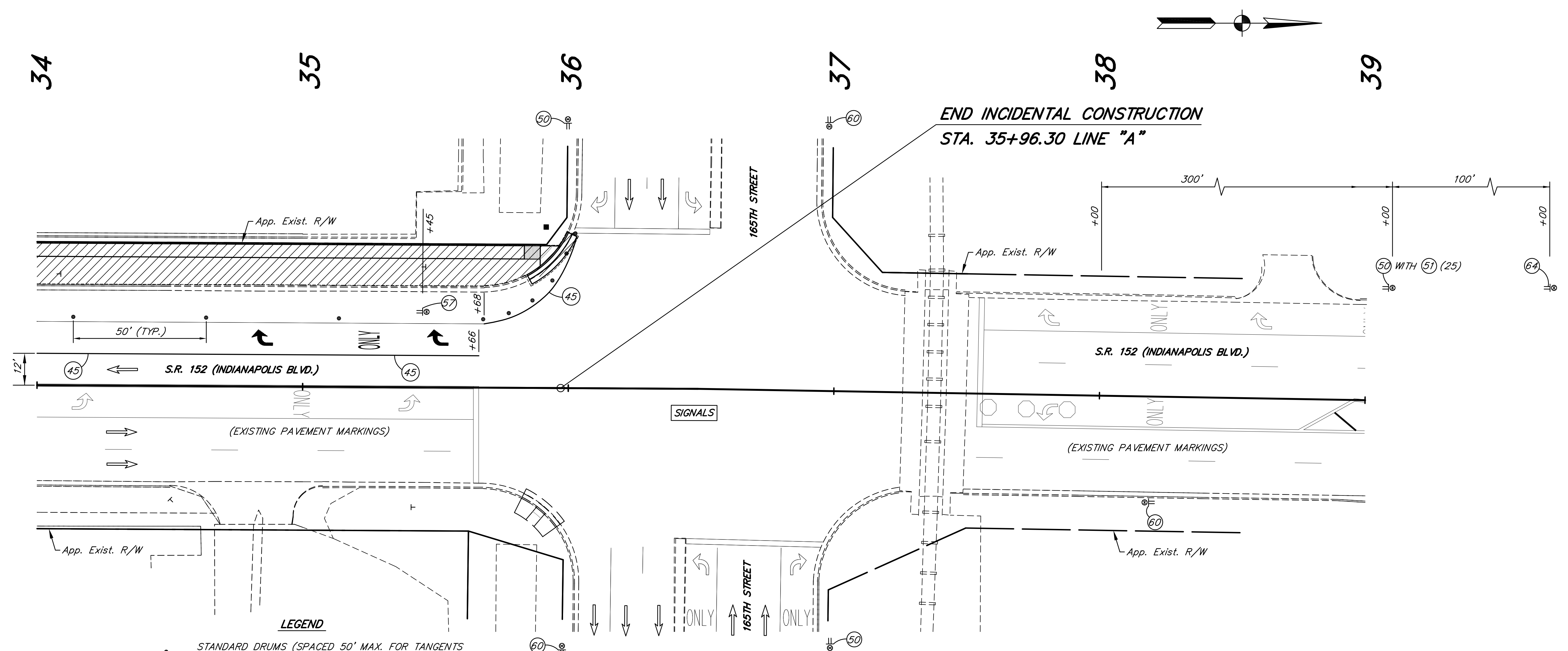
- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
- ➔ TRAFFIC FLOW ARROW
- ⊕ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
- T STANDARD BARRICADE TYPE III-B
- ⬄ FLASHING ARROW SIGN
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- ➔ TEMPORARY PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW
- ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
- ⚠ FLAGGER

SIGN LEGEND

- ⑤0 XW20-1 - ROAD CONSTRUCTION AHEAD
- ⑤1 XW13-1A() - SPEED LIMIT (25 mph)
- ⑤2 XW1-4-A - LANE SHIFT RIGHT
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- ⑥3 XW20-5(L) - LEFT LANE CLOSED AHEAD
- ⑥4 XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE II.

	RECOMMENDED FOR APPROVAL <i>Jeffrey L. Brechbuhl</i> 6/8/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE II S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE SURVEY BOOK CONTRACT R-28972
			BRIDGE FILE DESIGNATION 0401043 & 1005297 SHEETS 21 of 80 PROJECT STP-9945(089)



- LEGEND**
- STANDARD DRUMS (SPACED 50' MAX. FOR TANGENTS AND 25' MAX. FOR TAPERS)
 - ⇒ TRAFFIC FLOW ARROW
 - ⊕ CONSTRUCTION SIGN TYPE A, B OR C W/ TYPE "A" CONSTRUCTION WARNING LIGHT
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 - ⊠ FLASHING ARROW SIGN
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 - ONLY TEMPORARY PAVEMENT MESSAGE MARKING, WORD (ONLY)
 - ⚑ FLAGGER

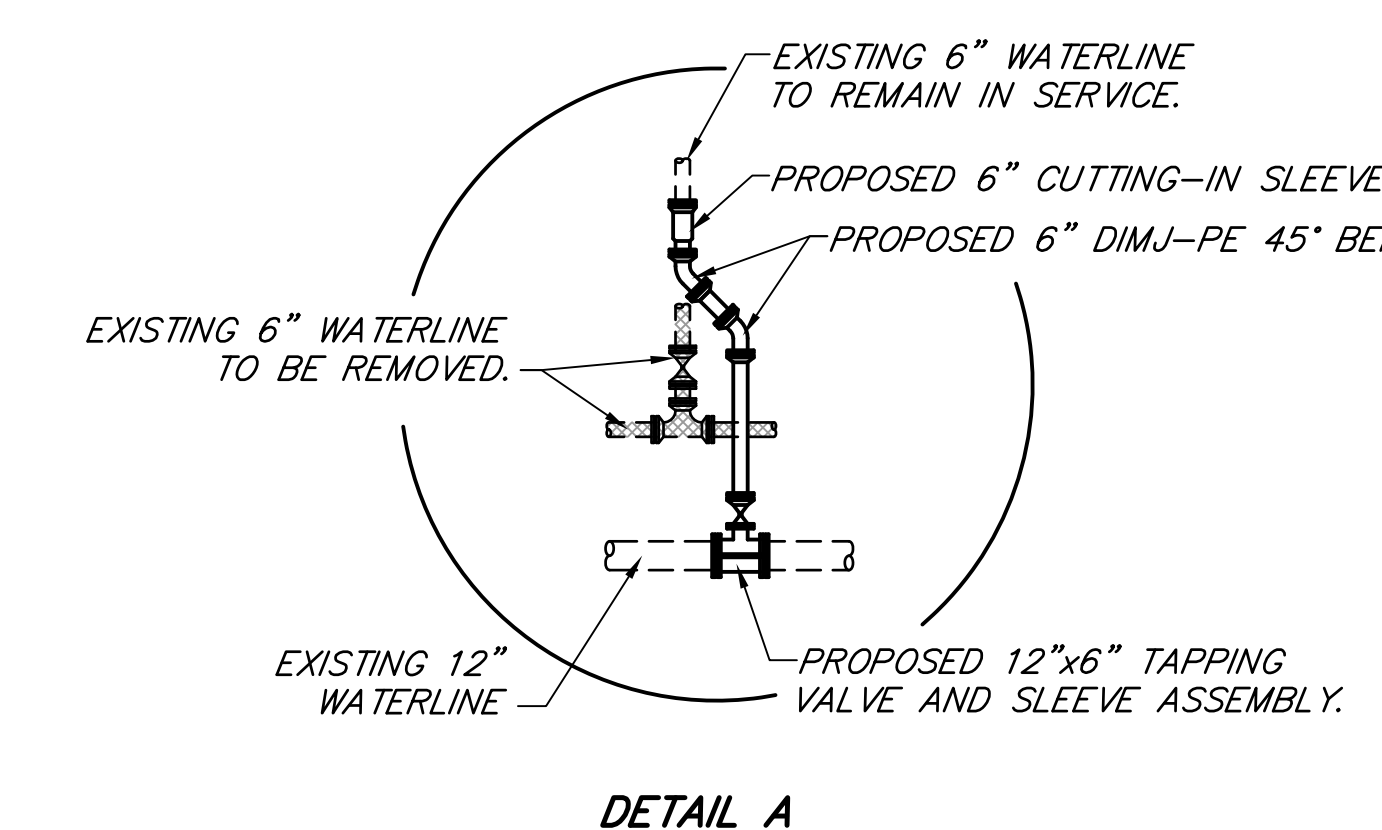
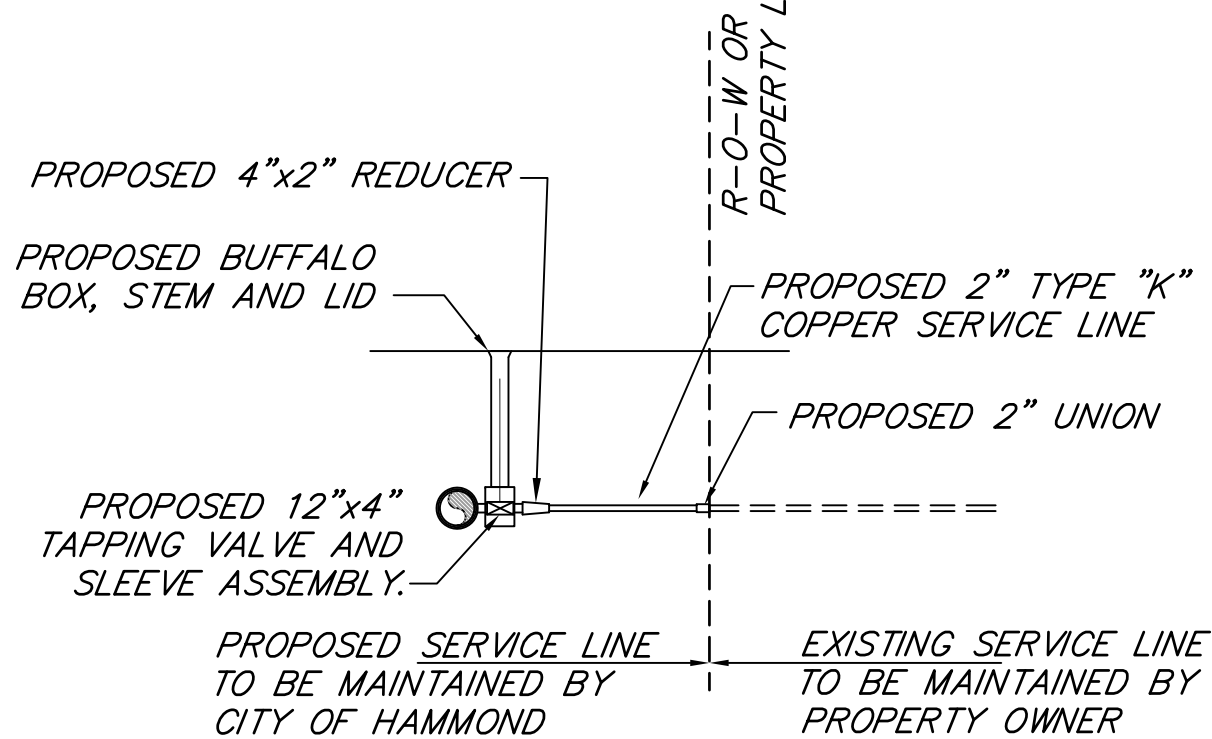
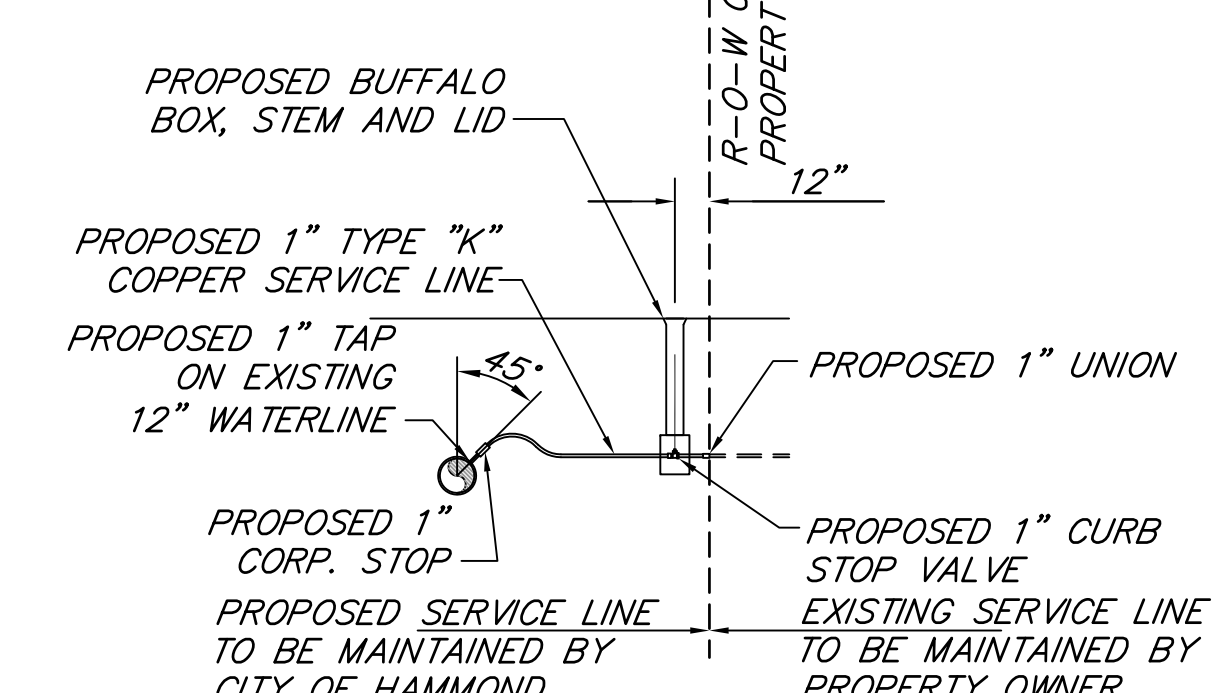
- SIGN LEGEND**
- ⑤① XW20-1 - ROAD CONSTRUCTION AHEAD
 - ⑤② XW13-1A() - SPEED LIMIT (25 mph)
 - ⑤③ XW1-4-A - LANE SHIFT RIGHT
 - ⑤④ XW21-5(A) - SHOULDER WORK
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 - ⑤⑧ R3-5(R) - RIGHT TURN ONLY
 - ⑤⑨ W4-2-A(R) - LANE ENDS SYMBOL MERGE (RIGHT)
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 - ⑤⑪ XG20-2 - END CONSTRUCTION
 - ⑤⑫ R11-4 - ROAD CLOSED TO THRU TRAFFIC
 - ⑤⑬ XW20-5(R) - RIGHT LANE CLOSED AHEAD
 - ⑤⑭ XW20-5(L) - LEFT LANE CLOSED AHEAD
 - ⑤⑮ XG20-7a - WORKSITE ADDED PENALTY SIGN

NOTE: ALL PAVEMENT MARKINGS THAT CONFLICT WITH THIS M.O.T. SCHEME SHALL BE REMOVED PRIOR TO CONSTRUCTION OF PHASE II.

						RECOMMENDED FOR APPROVAL <i>Jeffrey L. Brechler</i> 6/8/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION M.O.T. PHASE II S.R. 152 (INDIANAPOLIS BLVD.)	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE DESIGNATION 0401043 & 1005297
						DESIGNED: J.L.B. DRAWN: W.T. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		SURVEY BOOK SHEETS 22 of 80 CONTRACT PROJECT R-28972 STP-9945(089)

LEGEND

- (B) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON 275 lbs/syd QC/QA-HMA, 3, 76, INTERMEDIATE 19.0 mm ON 1045 lbs/syd QC/QA-HMA, 3, 70, BASE 25.0 mm
- (C) PCCP FOR APPROACHES, 9" ON SUBGRADE TREATMENT IIIA
- (D) 1485 lbs/syd HMA FOR APPROACHES, TYPE C
- (F) CONCRETE SIDEWALK, 5"
- (L) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm ON 8" PCCP FOR STRUCTURE INSTALLATION
- (P) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON 1320 lbs/syd HMA PATCHING, TYPE C
- (R) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH TRANSITION MILLING
- (Et) SIDEWALK ELEVATION TRANSITION
- (X) CONCRETE CURB RAMP, TYPE "X"
- (U) UTILITY STRIP, DECORATIVE (SEE SHEET NO. 35)
- (W) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH VARIABLE DEPTH SCARIFICATION/PROFILE MILLING
- (15) CONCRETE CURB & GUTTER
- (26) SODDING, NURSERY

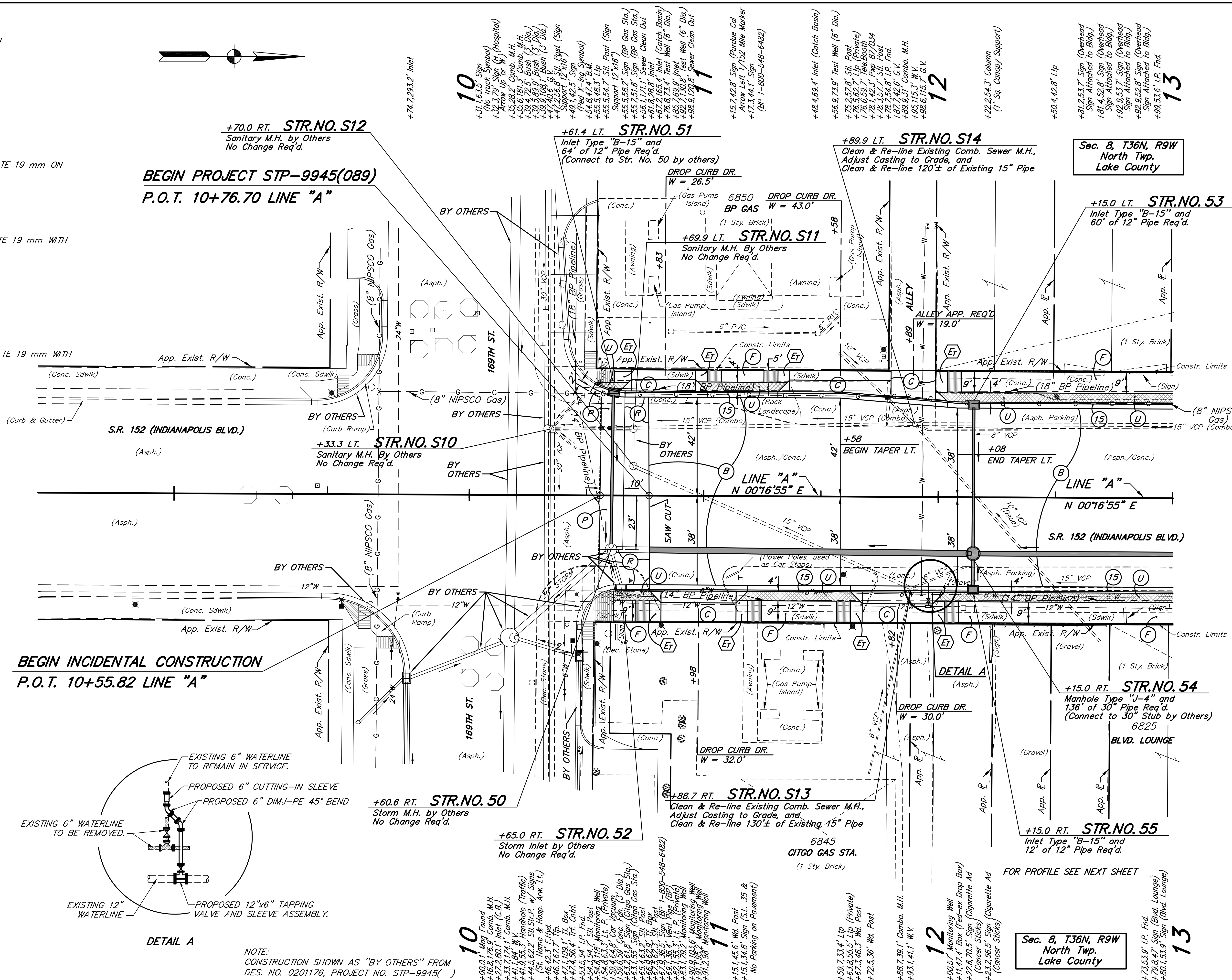


NOTE:
 WHERE MORE THAN ONE (1) STRUCTURE IS CONNECTED TO THE SAME WATER SERVICE, THE NEW SERVICE WILL BE SEPARATED SO THAT EACH STRUCTURE SHALL HAVE ITS OWN SERVICE LINE, CORPORATION VALVE, CURB STOP AND BUFFALO BOX, STEM AND LID.

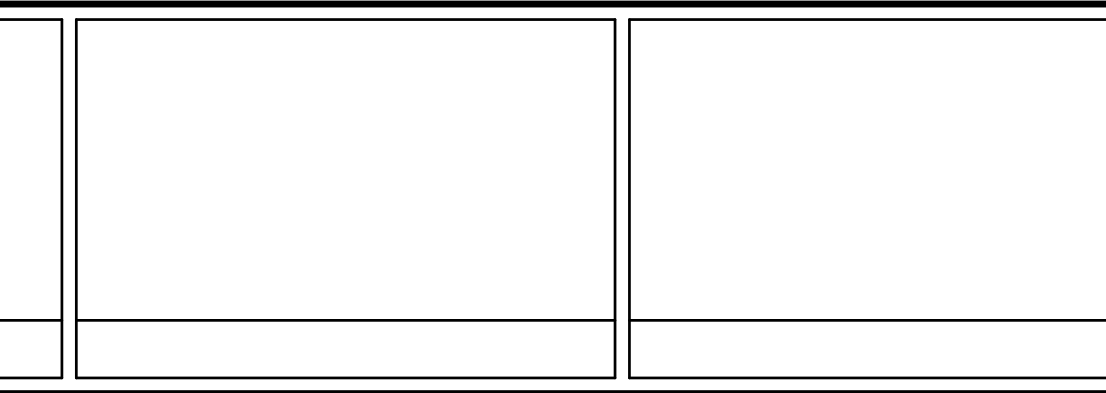
NOTE:
 CONSTRUCTION SHOWN AS "BY OTHERS" FROM DES. NO. 0201176, PROJECT NO. STP-9945()

BEGIN PROJECT STP-9945(089)
 P.O.T. 10+76.70 LINE "A"

BEGIN INCIDENTAL CONSTRUCTION
 P.O.T. 10+55.82 LINE "A"



HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	23 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



REGISTERED PROFESSIONAL ENGINEER
 No. 10100209
 STATE OF INDIANA
JETRELY L. BRECH L.L.

RECOMMENDED FOR APPROVAL
 [Signature] 6/8/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	23 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

10

11

12

13

T.B.M. NO. 7 Cut "X" in SE Corner Light Pole Foundation
STA. 10+54.83, 47.4' LT.
ELEV. 608.96

P.V.I. 12+50
ELEV. 611.40
V.C. = 50'

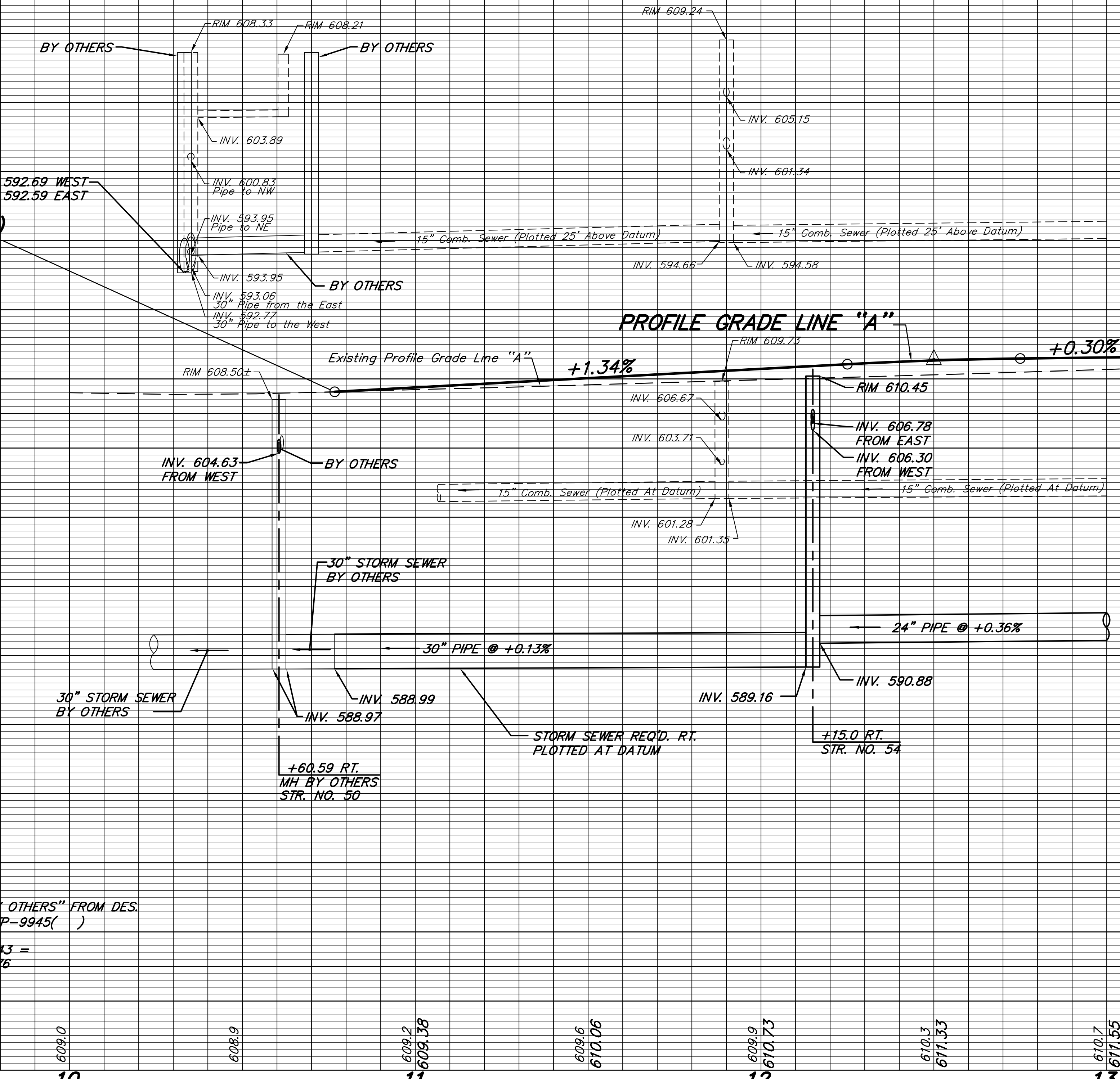
640
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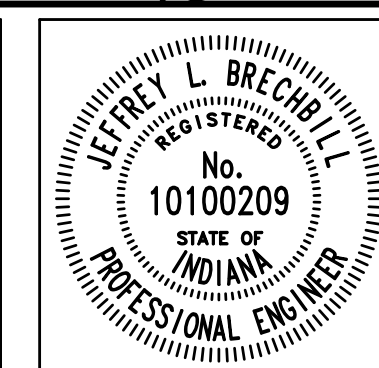
BEGIN PROJECT STP-9945(089)
STA. 10+76.70 LINE "A"
ELEV. 609.07

PROFILE GRADE LINE "A"

NOTE:
CONSTRUCTION SHOWN AS "BY OTHERS" FROM DES.
NO. 0201176, PROJECT NO. STP-9945()
VERTICAL EQUATION:
ELEV. 607.09 DES. NO. 0401043 =
ELEV. 607.49 DES. NO. 0201176



609.0
609.9
609.2
609.38
609.6
610.06
609.9
610.73
610.3
611.33
610.7
611.55

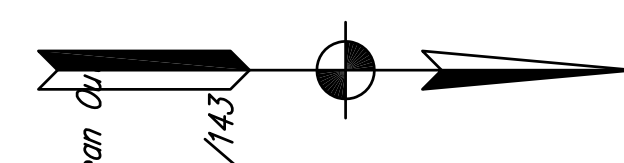


RECOMMENDED FOR APPROVAL
DESIGNED: J.L.B. DRAWN: M.D.T./D.F.S.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.
DESIGN ENGINEER DATE 6/8/2012

INDIANA DEPARTMENT OF TRANSPORTATION
PROFILE
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 24 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

Sec. 8, T36N, R9W
North Twp.
Lake County



13

14

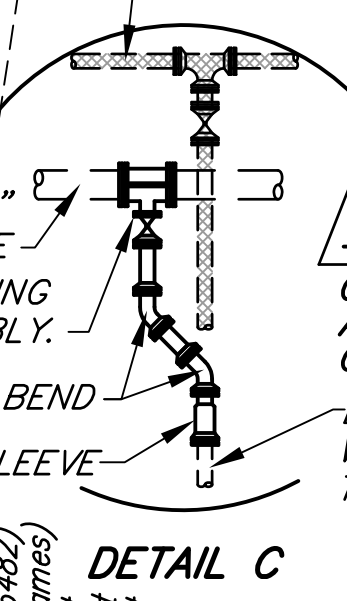
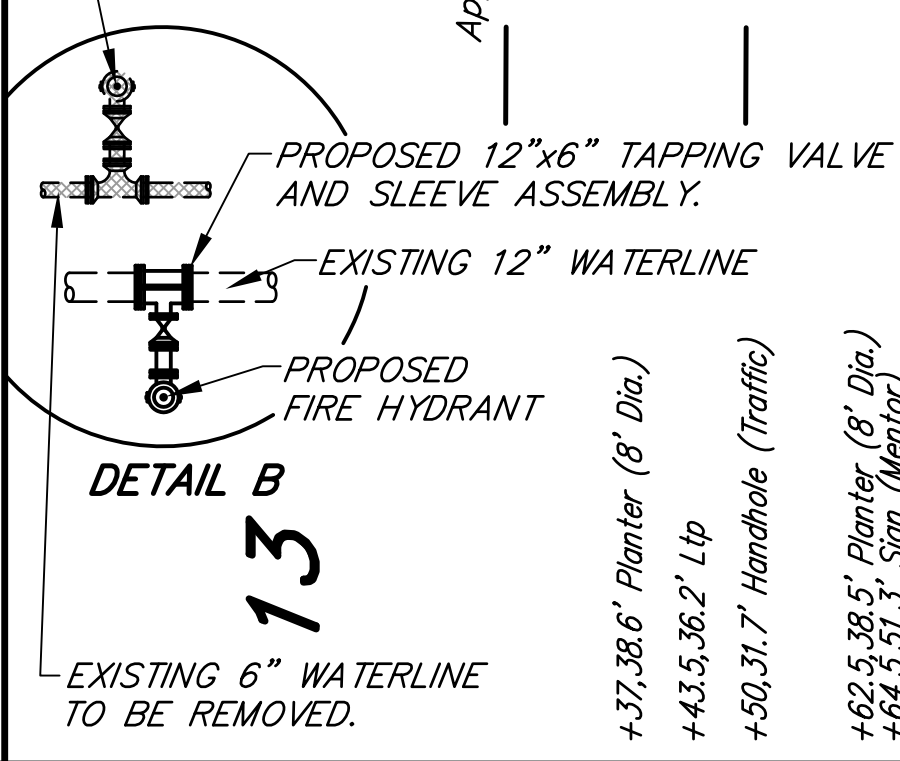
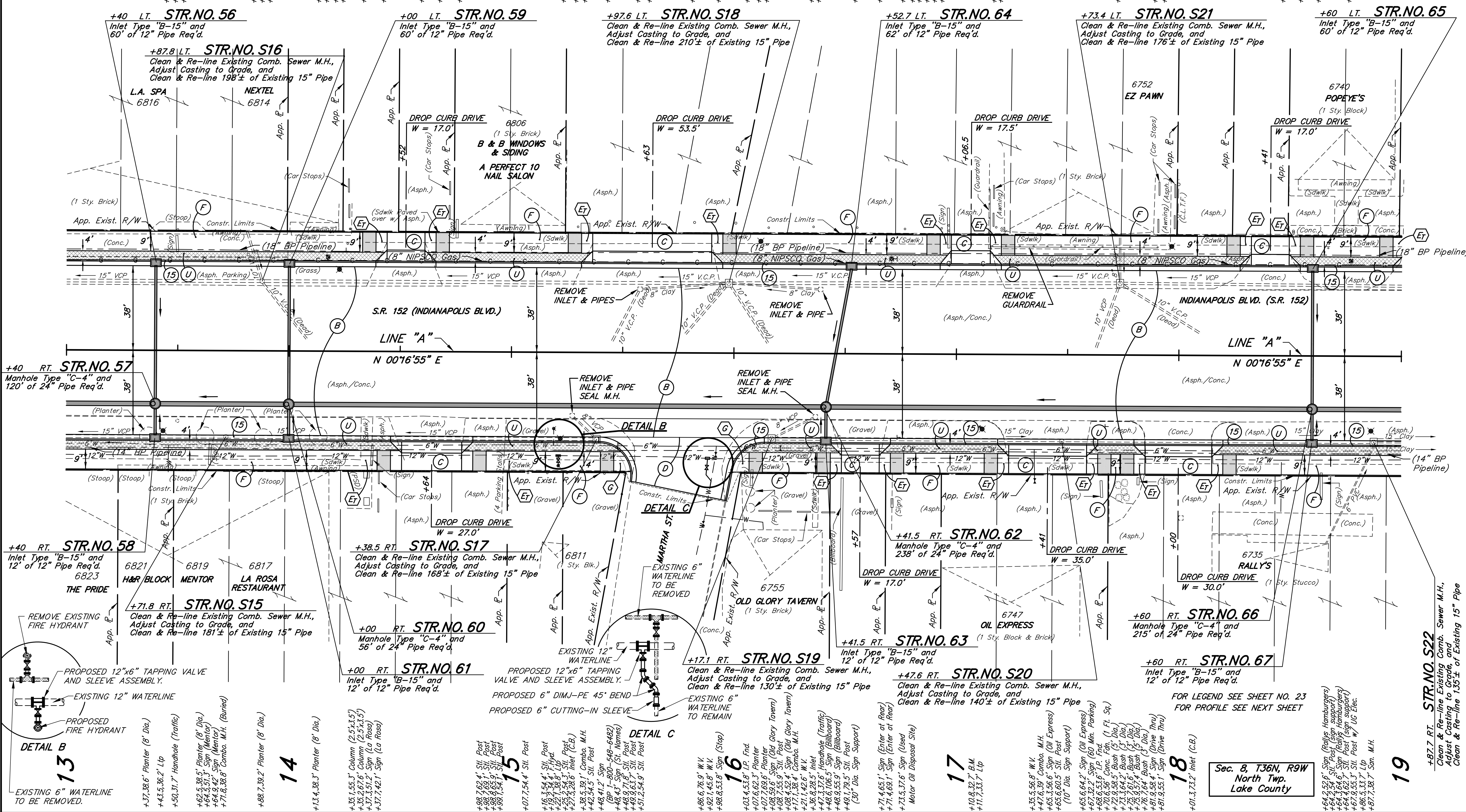
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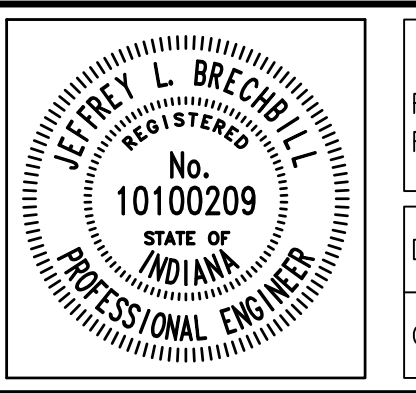
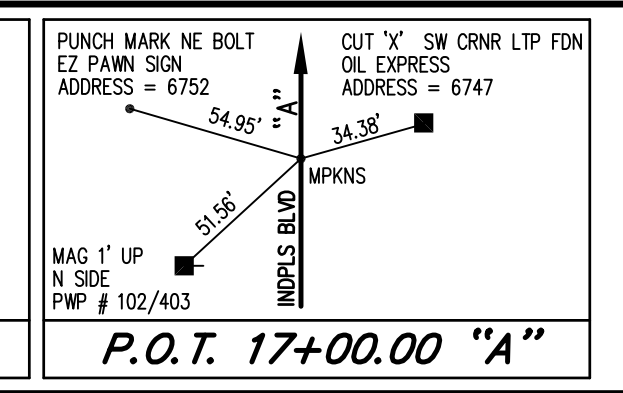
19



FOR LEGEND SEE SHEET NO. 23
FOR PROFILE SEE NEXT SHEET

Sec. 8, T36N, R9W
North Twp.
Lake County

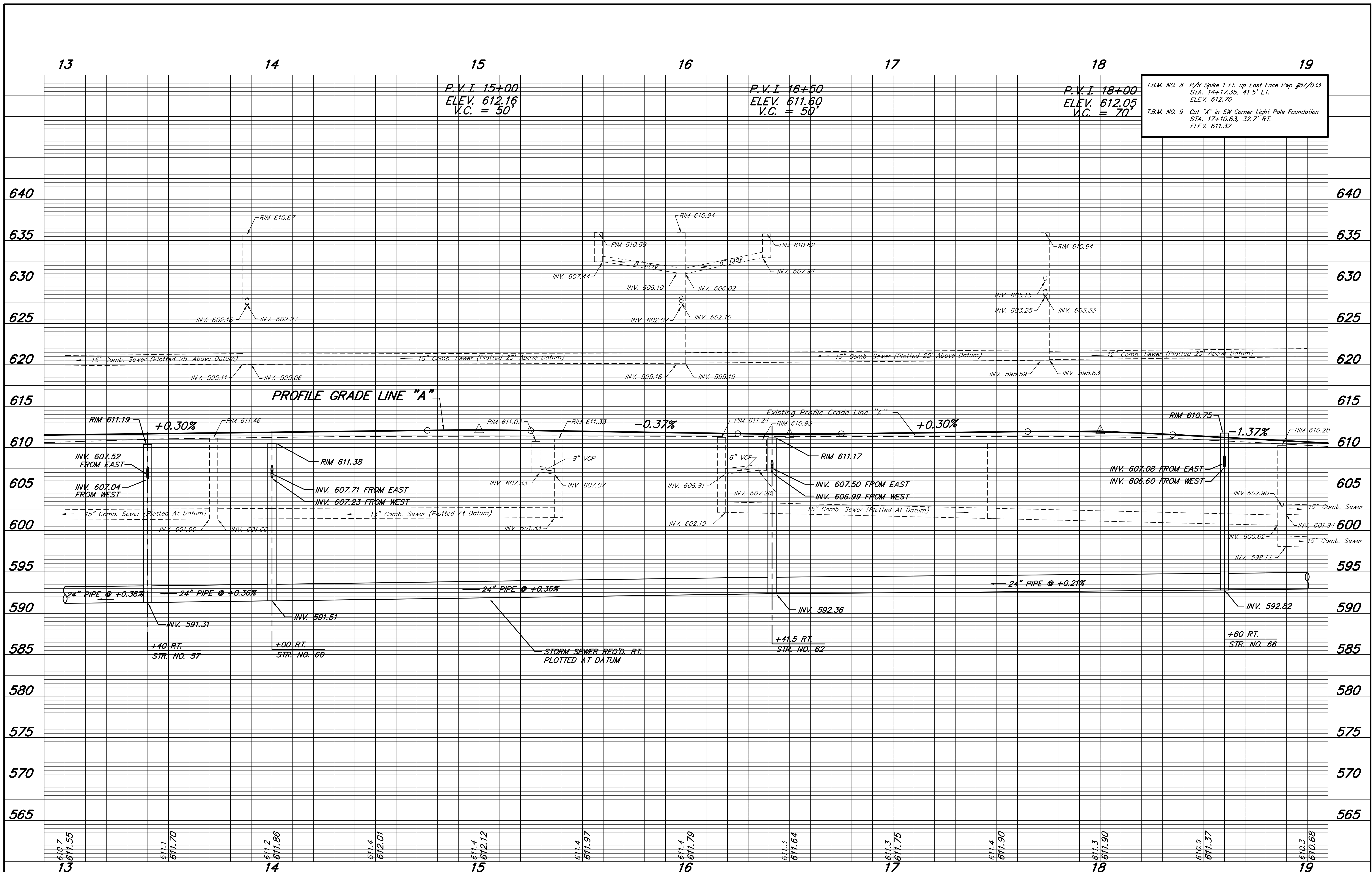
STR.NO. S22
Clean & Re-line Existing Comb. Sewer M.H.,
Adjust Casting to Grade, and
Clean & Re-line 150± of Existing 15" Pipe



RECOMMENDED FOR APPROVAL
DESIGNED: J.L.B. DRAWN: M.D.T. / D.F.S.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.
DATE: 6/8/2012

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043
SURVEY BOOK	SHEETS
	25 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



610.7 611.55	611.1 611.70	611.2 611.86	611.4 612.01	611.4 612.12	611.4 611.97	611.4 611.79	611.3 611.64	611.3 611.75	611.4 611.90	611.3 611.90	610.9 611.37	610.3 610.68
13	14	15	16	17	18	19						

RECOMMENDED FOR APPROVAL

Jeffrey L. Brech 6/8/2012
DESIGN ENGINEER DATE

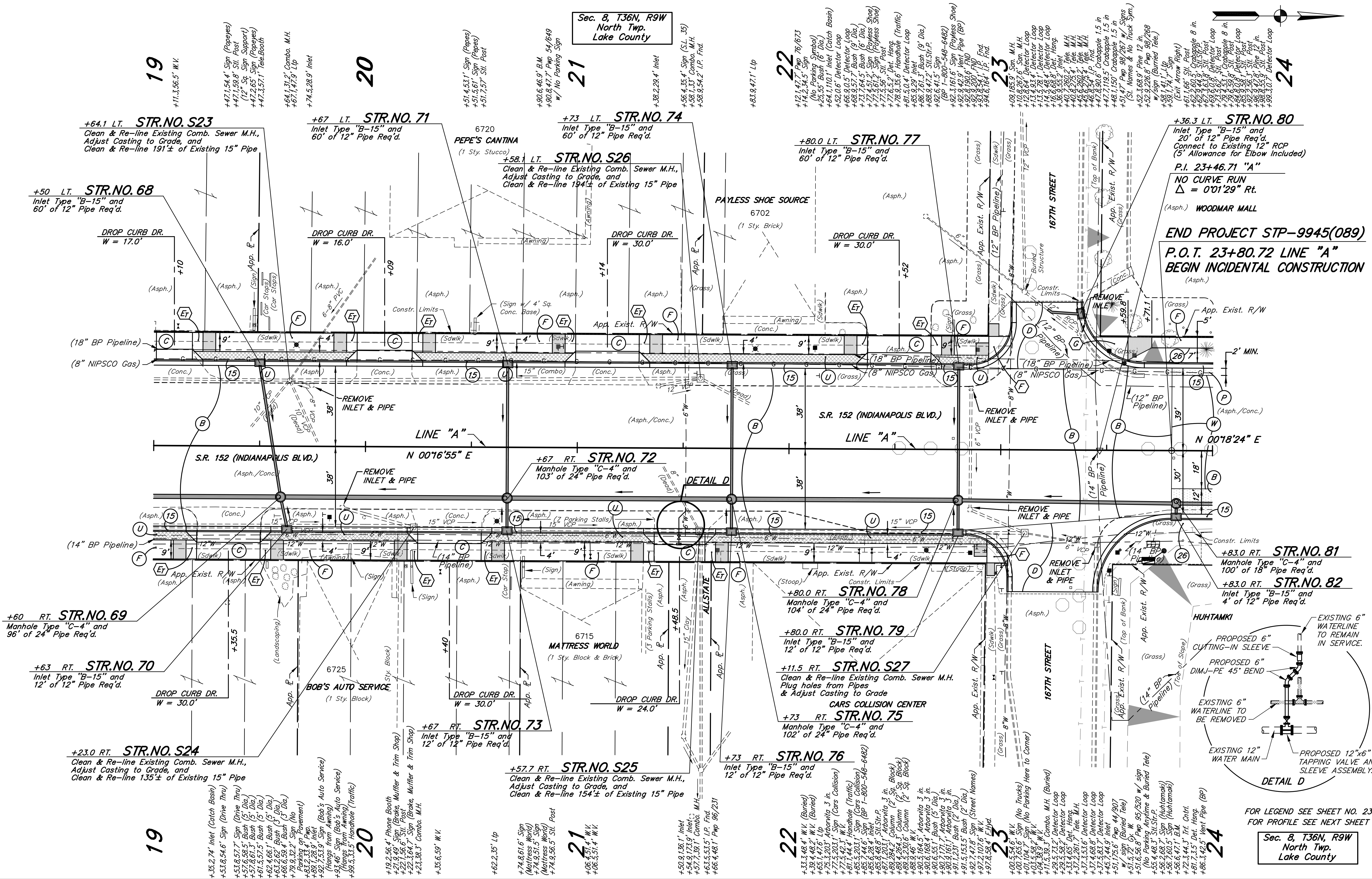
DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

PROFILE
S.R. 152 (INDIANAPOLIS BLVD.)

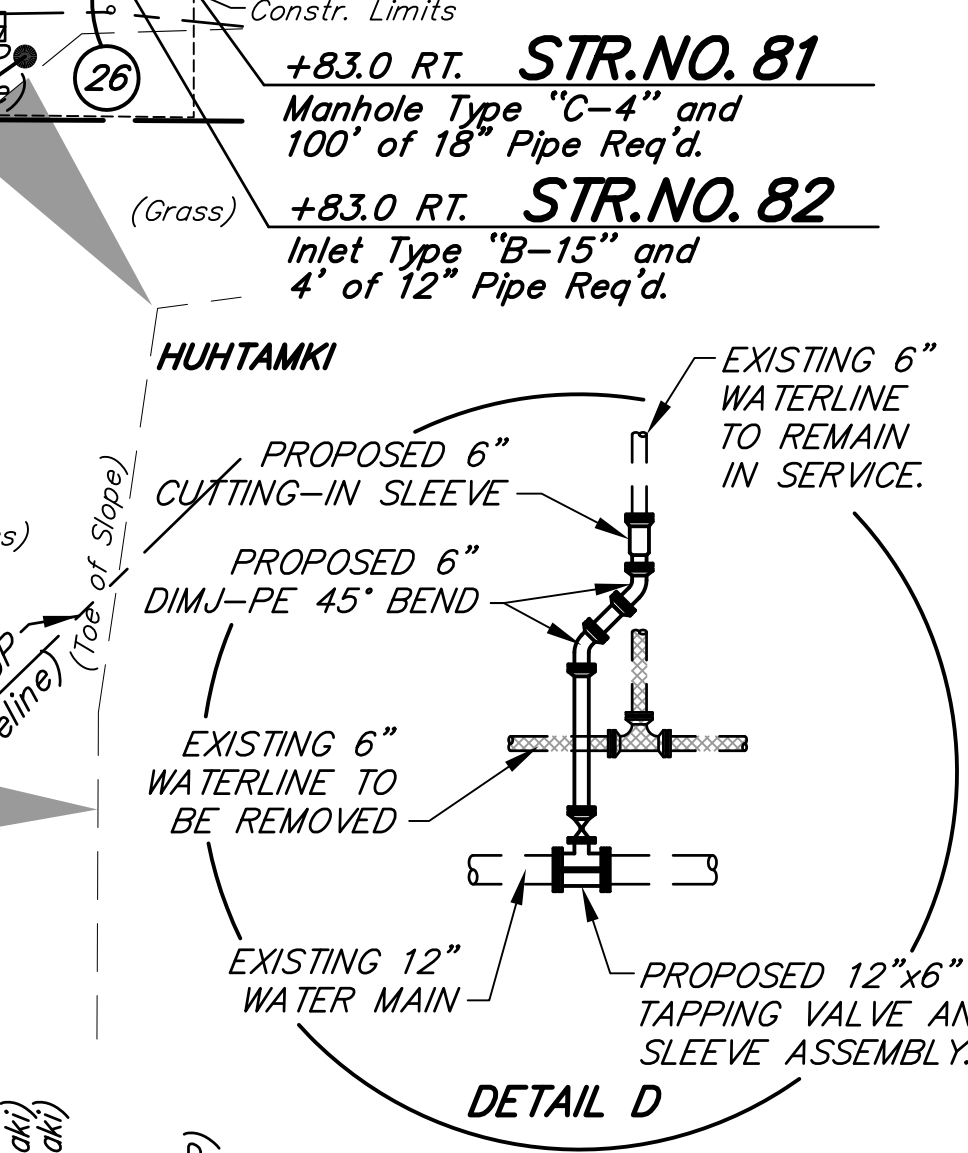
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 26 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

Sec. 8, T36N, R9W
North Twp.
Lake County



STR. NO. 80
Inlet Type "B-15" and
20" of 12" Pipe Req'd.
Connect to Existing 12" RCP
(5' Allowance for Elbow Included)
P.I. 23+46.71 "A"
NO CURVE RUN
Δ = 0'01'29" Rt.
(Asph.) WOODMAR MALL

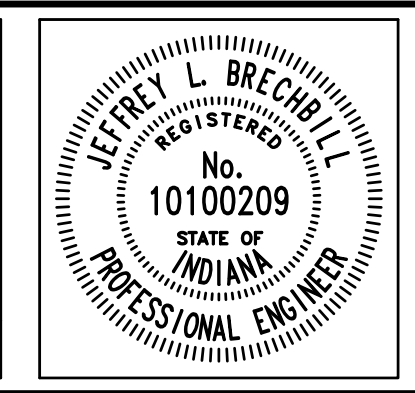
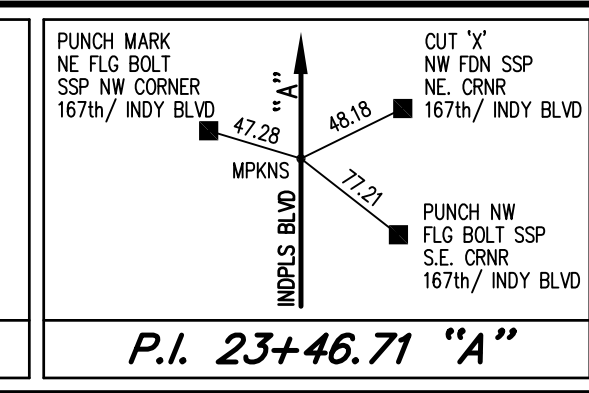
END PROJECT STP-9945(089)
P.O.T. 23+80.72 LINE "A"
BEGIN INCIDENTAL CONSTRUCTION
(Asph.)



FOR LEGEND SEE SHEET NO. 23
FOR PROFILE SEE NEXT SHEET

Sec. 8, T36N, R9W
North Twp.
Lake County

<p>RECOMMENDED FOR APPROVAL <i>J. J. Brecht</i> 6/8/2012 DESIGN ENGINEER DATE</p>		<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN S.R. 152 (INDIANAPOLIS BLVD.)</p>	HORIZONTAL SCALE	BRIDGE FILE
<p>DESIGNED: J.L.B. DRAWN: M.D.T./D.F.S.</p> <p>CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.</p>			VERTICAL SCALE	DESIGNATION
			1" = 20'	0401043 & 1005297
			SURVEY BOOK	SHEETS
			CONTRACT	27 of 80
			R-28972	PROJECT
				STP-9945(089)



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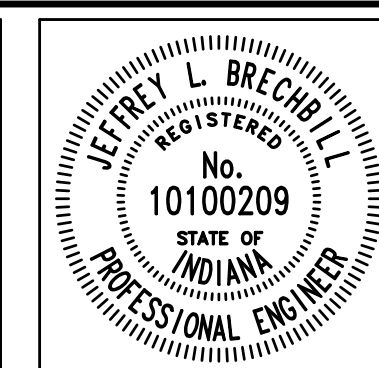
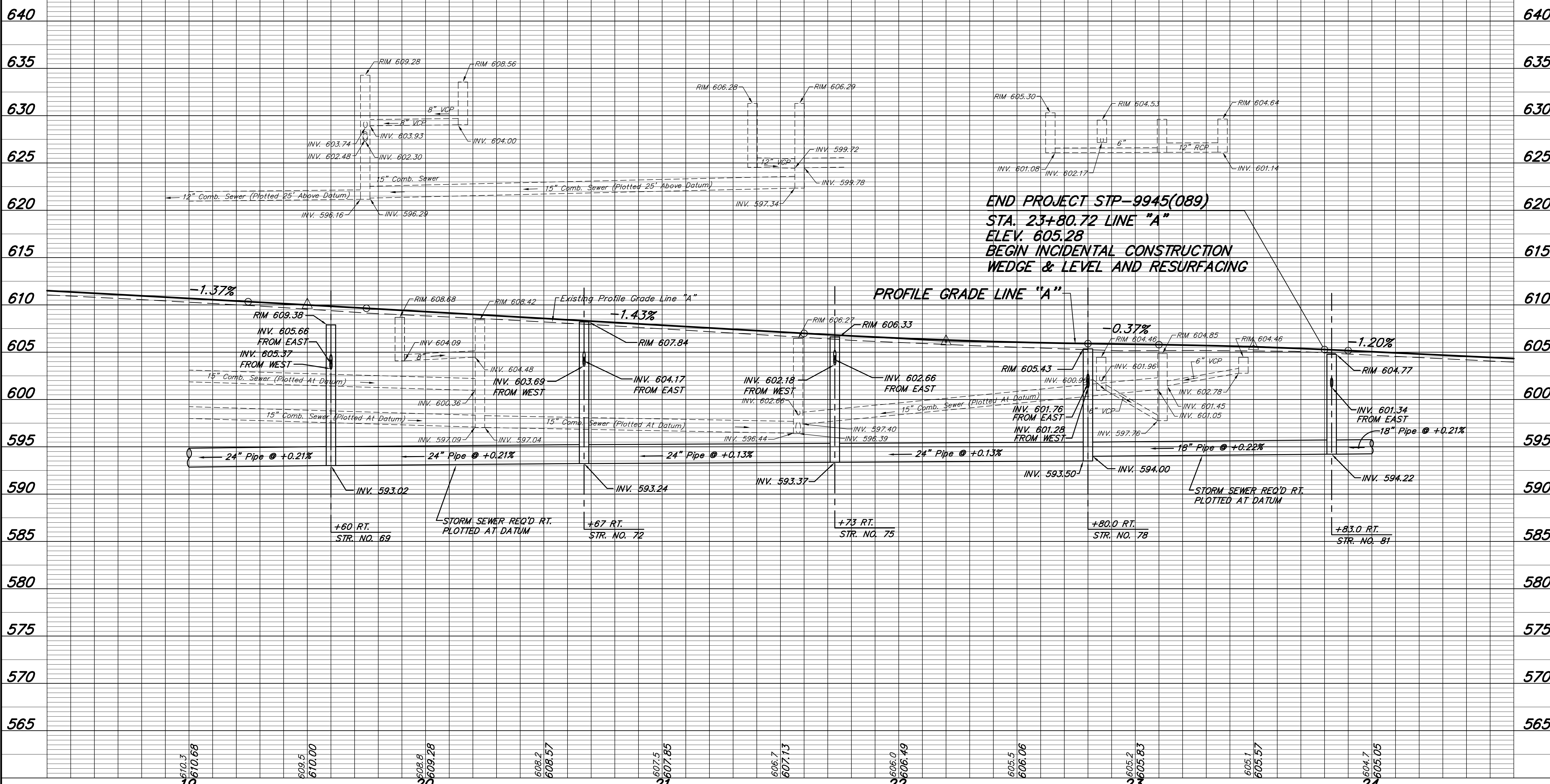
24

P.V.I. 19+50
ELEV. 610.00
V.C. = 50'

P.V.I. 22+20
ELEV. 606.13
V.C. = 120'

P.V.I. 23+50
ELEV. 605.65
V.C. = 80'

T.B.M. NO. 10 R/R Spike 2 Ft. E. Face Pwp #54/649
STA. 20+90.59, 46.9' LT.
ELEV. 609.58
T.B.M. NO. 11 Cut "X" in NW Corner Steel Strain Pole Fdn.
STA. 23+56.63, 47.08' RT.
ELEV. 605.40



RECOMMENDED FOR APPROVAL
Jeffrey L. Brecht 6/8/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

PROFILE
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 28 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

24

+08.4,46.5' Crabapple 1.5in.
+26.6,47' Crabapple 1.5in.
+58.6,47.3' Crabapple 8 in.
+74.6,45.1' Stm. M.H.
+83.1,46.9' Crabapple 1.5in.
+90.9,45.2' Pwp 98/266

25

+10.4,46.9' CMP (Buried)
+17.8,47.9' Crabapple 8 in.
+18.8,40.8' Sign
(BP 1-800-548-6482)
+21.9,42.6' Sign
(Stop & Do Not Enter)
+47.2,134.6' Ltp (Private)
+61.9,68' Sign (Exit)
+62.7,39.6' Sign
(BP 1-800-548-6482)
+84.1,47.9' Inlet
+95.7,44.3' Ltp 13
26

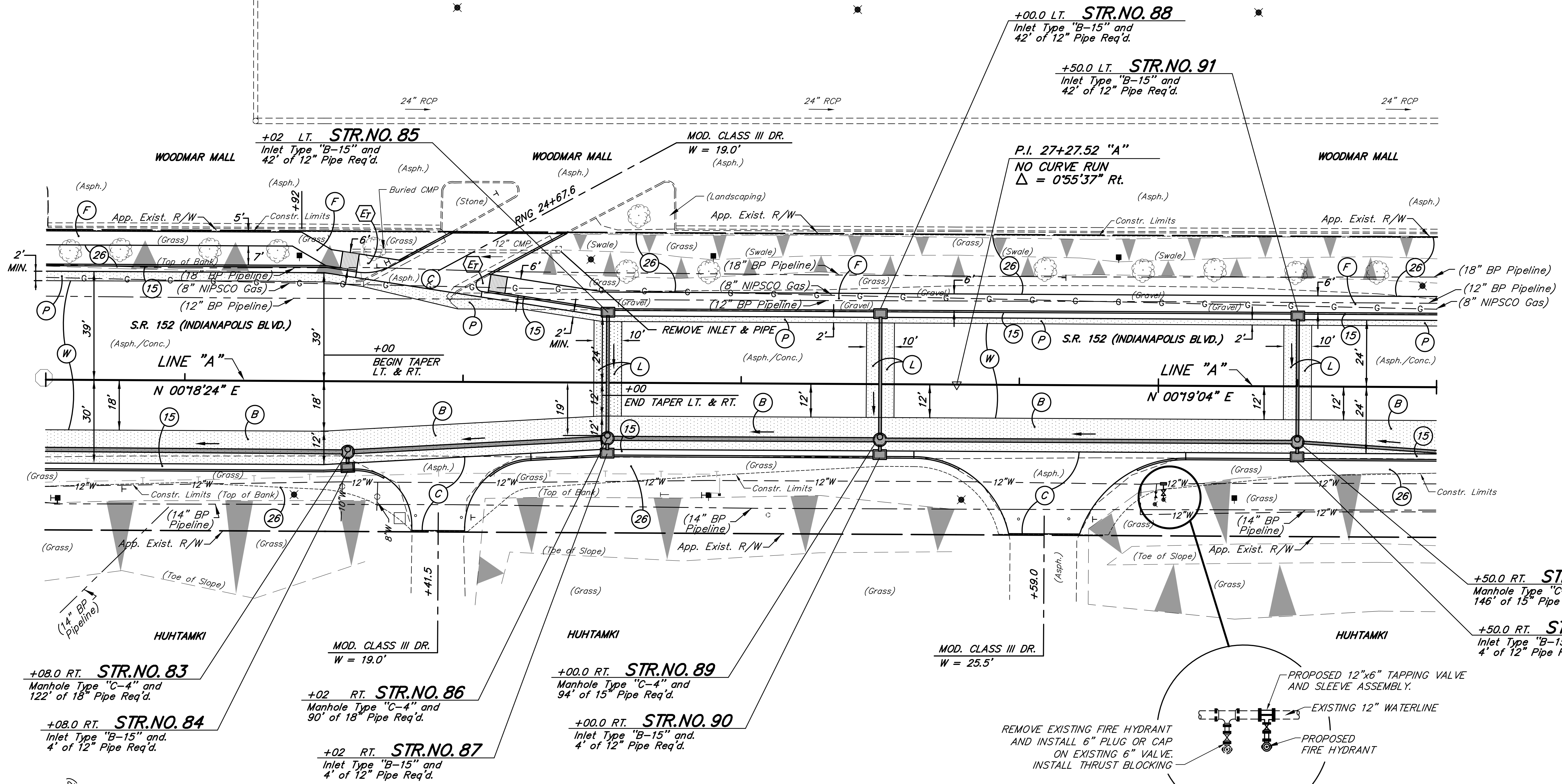
26

+08.7,40.2' Apple 8 in.
+09.8,151.6' Inlet
+12.8,60.2' Oak 10 in.
+38.1,40.2' Apple 8 in.
+39.7,45.8' Pwp 98/265
+57.1,151.6' Inlet
+91.1,134.6' Ltp (Private)

27

Sec. 8, T36N, R9W
North Twp.
Lake County
+52.9,151.3' Inlet
+59.4,18' Apple 8 in.
+66.6,38.6' Sign
(No Parking on Pavement)
+85.5,46.1' Pwp 98/264
+85.5,45.4' B.M.
+94.2,41.5' Crabapple 1.5in.
+99.8,152.4' Inlet
+20.4,1.9' Apple 1.5 in.
+35.3,134.4' Ltp (Private)
+49.2,41.1' Apple 8 in.
+78.4,41.4' Apple 1.5 in.
+94.7,36.4' Ltp

29



24

+04.3,44.7' Sign (BP 1-800-548-6482)
+04.5,42.5' Pwp 101/045 w/ sign
(No Parking on Pavement)
+27.6,39.2' Sign (S.L. 35)

25

+89.5,40.8' Ltp
+06.7,37.8' Manhole (Water Valve)
+19.4,41.4' Manhole (Water Valve)
+27.5,49.1' Vault (4' Sq. Steel Plate)
+33.2,48.1' Stl. Post
+49.7,48.7' Stl. Post
+53.1,48.7' Sign (Receiving/Shipping
& No Turn Around)

26

+21.2,40.1' Gy. W
+38.5,40.2' Pwp 101/046 w/ sign
(No Parking on Pavement)
+42.4,40' T.E. Box
+60.4,7.3' Handhole (Traffic)

27

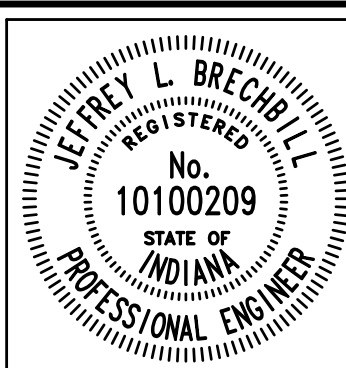
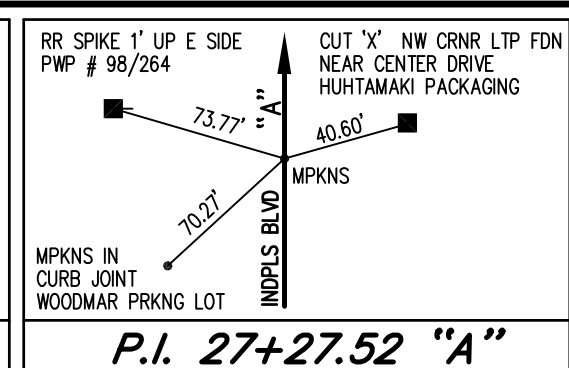
+29.4,41.4' Ltp
+50.48.2' Stl. Post
+68.1,48' Stl. Post
+76.6,48.2' Sign (Receiving/Shipping
& No Turn Around)

28

+98.9,42.6' F.Hyd.
+99.3,39.2' W.V. (Buried)
+27.5,40.3' Pwp 101/047

Sec. 8, T36N, R9W
North Twp.
Lake County

29



RECOMMENDED FOR APPROVAL
 J. L. Brecht 6/8/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 29 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

24

25

26

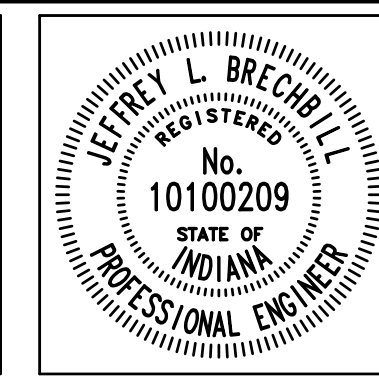
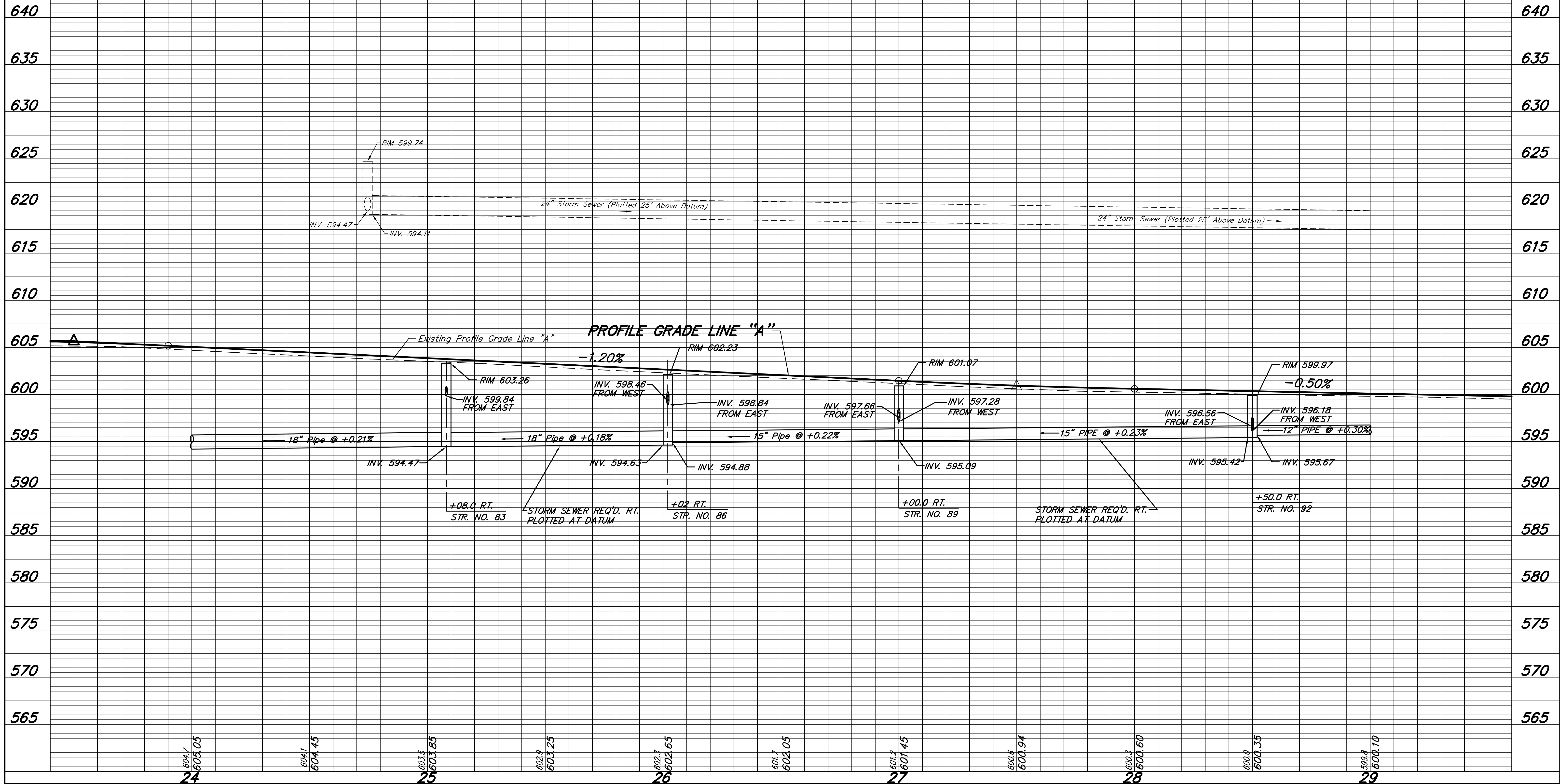
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29

P.V.I. 27+50
ELEV. 600.85
V.C. = 100'

T.B.M. NO. 12 R/R Spike 1 Ft. E. Face Pwp #98/264
STA. 27+85.52, 45.4' L.T.
ELEV. 600.22



RECOMMENDED FOR APPROVAL
Jeffrey L. Brech 6/8/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA
 DEPARTMENT OF TRANSPORTATION

PROFILE
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 30 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

29

- +09.41.9' Apple 8 in.
- +30.3,46.6' Pwp 99/263
- +31.8,107.6' Sign (Stop)
- +33.3,68.1' Sign (Stop & S.L. 10)
- +39.42.5' Apple 1.5 in.
- +68.8,42.2' Apple 1.5 in.

30

- +68.2,84.1' Sign (Stop)
- +11.8,44.1' Apple 8 in.
- +34.3,39.1' Sign (Woodmar Mall)
- +34.7,39.9' Sign (Woodmar Mall)
- +36.9,07.7' Flag Shrubs (3' Wide)
- +37.4,88.2' Flag P.
- +43.5,39.9' Sign (BP 1-800-548-6482)
- +55.4,45.6' Apple 8 in.
- +64.3,86.8' Begin Shrubs (3' Wide)
- +64.7,42.1' Apple 8 in.

31

- +81.9,45.5' Pwp 101/051
- +80.9,42.1' Apple 8 in.
- +10.6,45.7' F.Hyd.
- +20.5,41.4' Apple 1.5 in.

32

- +43.5,51.6' Sign (Stop)
- +08.1,44.6' Sign (Not an Exit)
- +50.2,64.7' Wk. Post
- +72.3,46' Pwp 101/052 w/ sign (Merge Symbol)
- +73.1,45.3' B.M.
- +77.9,43.2' Handhole (Traffic)
- +83.4,121.1' Inlet
- +84.8,36.7' Inlet
- +91.5,36.8' Inlet

33

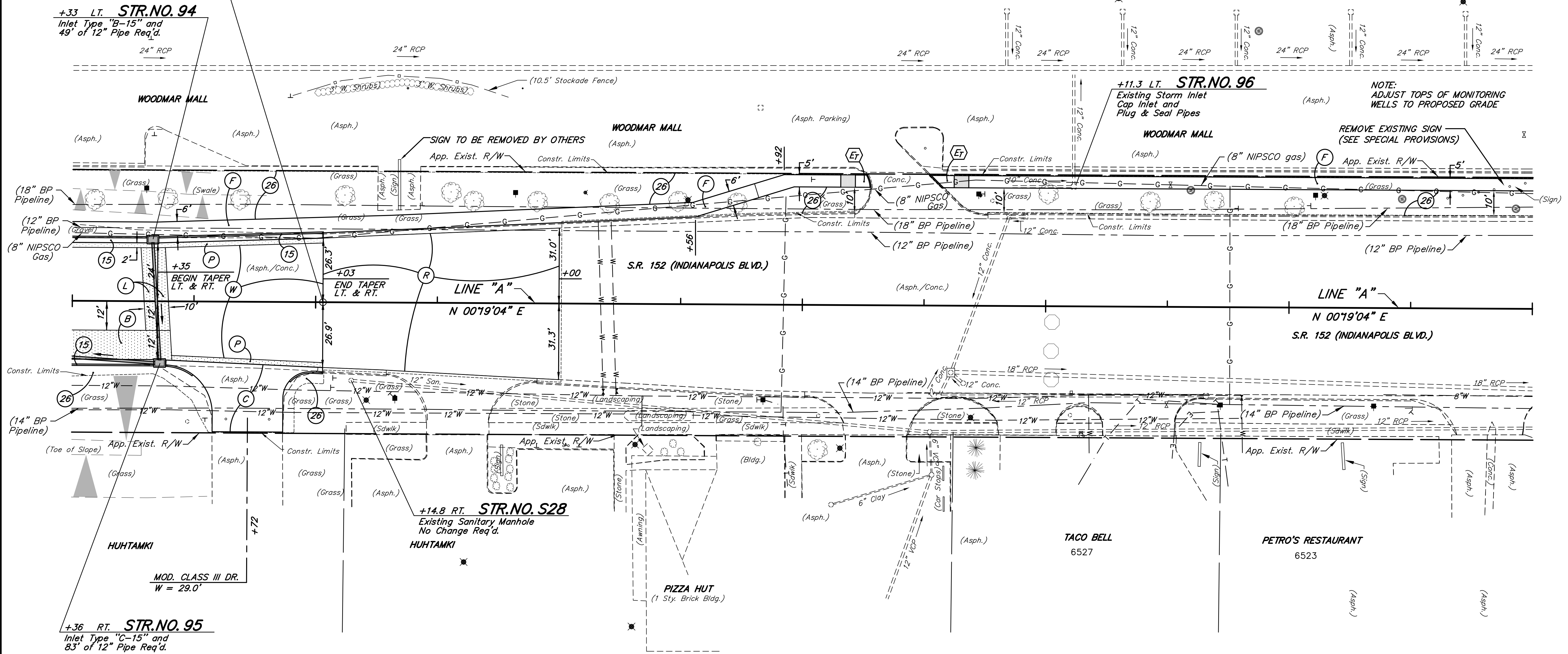
- +00.8,46.5' Crabbapple 1.5in.
- +11.3,49.2' Inlet (C.B.) w/ 12" Beehive Casting
- +29.3,126.7' Lip
- +31.1,121.3' Inlet
- +42.7,43.3' Crabbapple 1.5in.
- +51.8,02.2' G.V.
- +59.4,46' Monitoring Well
- +68.9,43.8' Crabbapple 1.5in.
- +77.7,121.2' Inlet
- +79.4,06' Sign (No Parking)
- +87.1,13.6' Monitoring Well

34

- +01.9,41.6' Apple 10 in.
- +08.7,41.9' Sign (South Ind. 152)
- +10.7,46.2' Pwp
- +14.3,46.1' Lip
- +24.7,121.6' Inlet
- +46.3,44.9' Monitoring Well
- +65.45.3' Sign (6" Stil. Post)
- +71.9,126.2' Lip
- +71.9,126.2' Sign (6" Stil. Post)
- +77.6,47.6' Sign (6" Stil. Post)
- +84.49' Sign (6" Stil. Post)
- +90.4,50.3' Sign (6" Stil. Post)
- +93.1,41.1' Monitoring Well
- +96.2,71.7' G.V.
- +96.8,51.7' Sign (6" Stil. Post)

35

**END PROFILE GRADE
P.O.T. 30+03.00 LINE "A"**



29

- +47.5,49.4' Handhole (Traffic)
- +54.8,47.9' Sign (Shipping/Receiving & No Turn Around)
- +63.4,48.3' Stil. Post
- +81.2,48.3' Stil. Post

30

- +06.3,35' Sign (R/R X-ing)
- +07.2,31.2' Sign (S.L. 35 & No Parking Symbol)
- +14.8,32.2' San. M.H.
- +21.4,02.2' Lip
- +32.7,38.6' Pwp 101/048 w/ sign (Do Not Block Driveway)
- +32.8,39.4' Pwp 101/048 w/ sign (Do Not Block Driveway)
- +61.4,106.5' Lip
- +71.7,12.9' Bush (3' Dia.)
- +72.9,68.8' Bush (3' Dia.)
- +73.6,68.8' Bush (3' Dia.)
- +74.7,75.1' Bush (3' Dia.)
- +76.7,58.3' Sign (Pizza Hut)
- +76.9,71.3' Sign (Pizza Hut)
- +79.7,64' Bush (3' Dia.)
- +80.2,68' Bush (3' Dia.)
- +80.4,75.6' Bush (3' Dia.)
- +80.3,61.1' Bush (3' Dia.)
- +91.1,59.3' Sign (Handicap Parking)

31

- +02.9,58.6' Stil. Post
- +04.9,53.5' Stil. Post
- +08.6,59' Sign (Handicap Parking)
- +18.4,36.2' M.K.
- +24.35.8' W.V. (Private)
- +31.6,57.8' Lip
- +43.6,60.8' Bush (3' Dia.)
- +47.9,57.1' Bush (3' Dia.)
- +50.4,60.7' Bush (3' Dia.)

32

- +61.9,56.4' Bush (3' Dia.) w/ sign (Bridge)
- +64.39.1' Pwp 101/049
- +06.5,59.3' Maple 2 in.
- +06.8,45.6' Handhole (Traffic)
- +12.3,82.1' San. M.H.
- +15.7,58.9' Lip
- +22.6,52' San. M.H.
- +53.9,69.6' San. M.H.
- +56.3,57.4' Inlet
- +61.2,27.5' San. M.H.
- +66.3,31.9' San. M.H.
- +69.4,45.9' Lip
- +71.3,67.1' Pipe 12 in.
- +71.7,58.4' Pipe 12 in.

33

- +02.3,18.4' Detector Loop
- +02.4,30.2' Detector Loop
- +02.6,66.5' Detector Loop
- +10.3,44.5' Handhole (Traffic)
- +10.7,35.3' Det. Hsg.
- +13.8,53.5' Stil. Post
- +14.8,52.2' Tele. Booth
- +15.9,53.3' Stil. Post
- +49.9,40.2' G.V.
- +63.5,65.5' Sign (Taco Bell)
- +63.7,53.7' Sign (Taco Bell)
- +66.1,36.5' Inlet
- +71.4,40.7' Ft. Box
- +72.4,02' Pwp 101/050 w/ sign (Do Not Block Drive)
- +80.8,37.2' M.K.

34

- +22.2,55.5' Sign (Petros)
- +23.66.5' Sign (Petros)
- +35.40.3' Pwp 101-140
- +50.3,42.6' Sign (Do Not Block Drive)
- +50.9,41.2' G.V. W.

FOR LEGEND SEE SHEET NO. 23
FOR PROFILE SEE NEXT SHEET



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brechler* 6/18/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 31 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

29

30

31

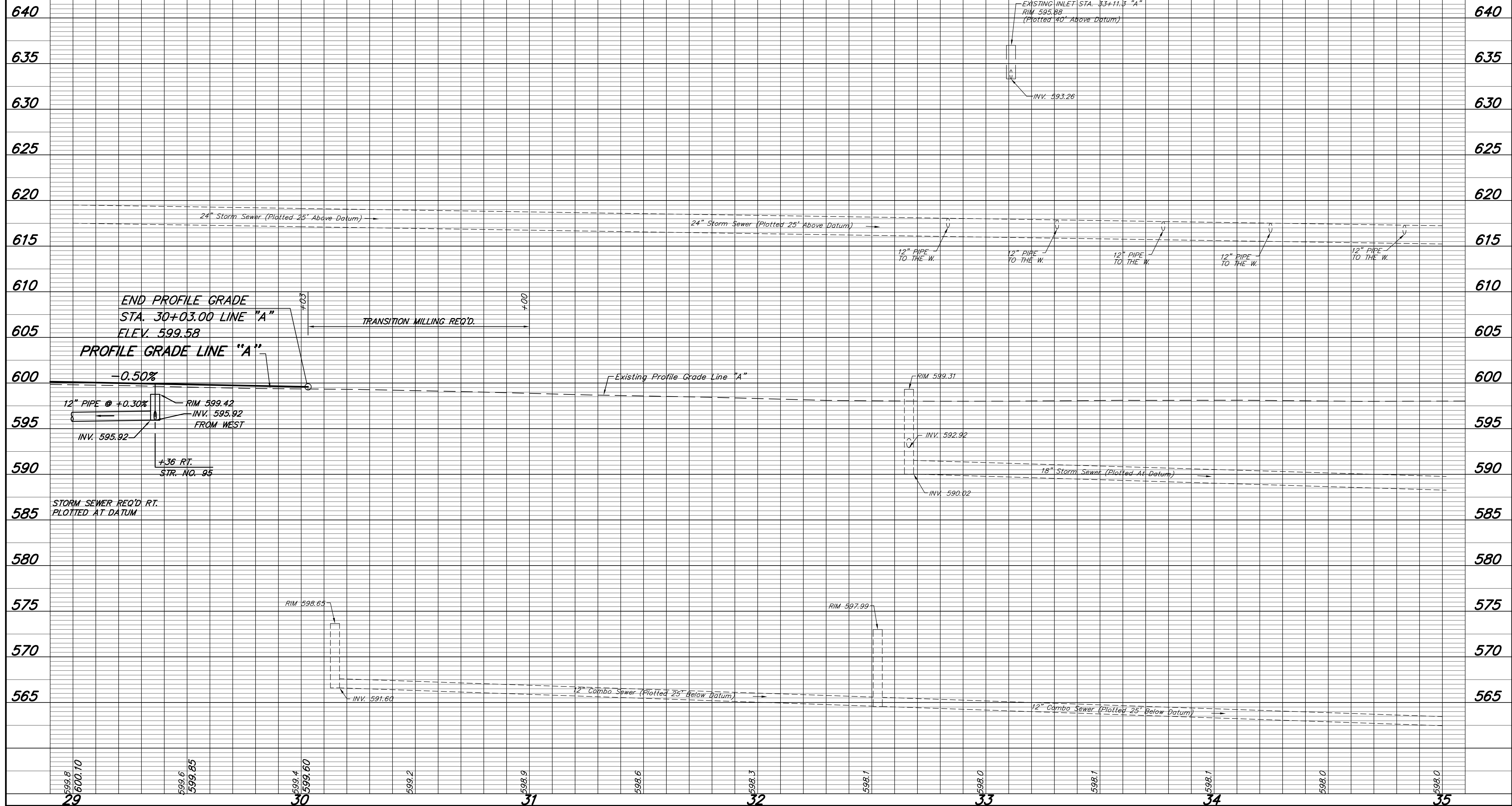
32

33

34

35

T.B.M. NO. 14 R/R Spike 1 Ft. up NEF Pwp 101/052
STA. 32+73.1, 43.3' LT.
ELEV. 598.95



599.8
600.10

599.6
599.85

599.4
599.60

599.2

598.9

598.6

598.3

598.1

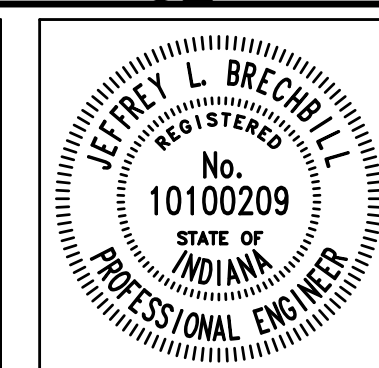
598.0

598.1

598.1

598.0

598.0



RECOMMENDED FOR APPROVAL *Jeffrey L. Brechler* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./D.F.S.
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION

PROFILE
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 32 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

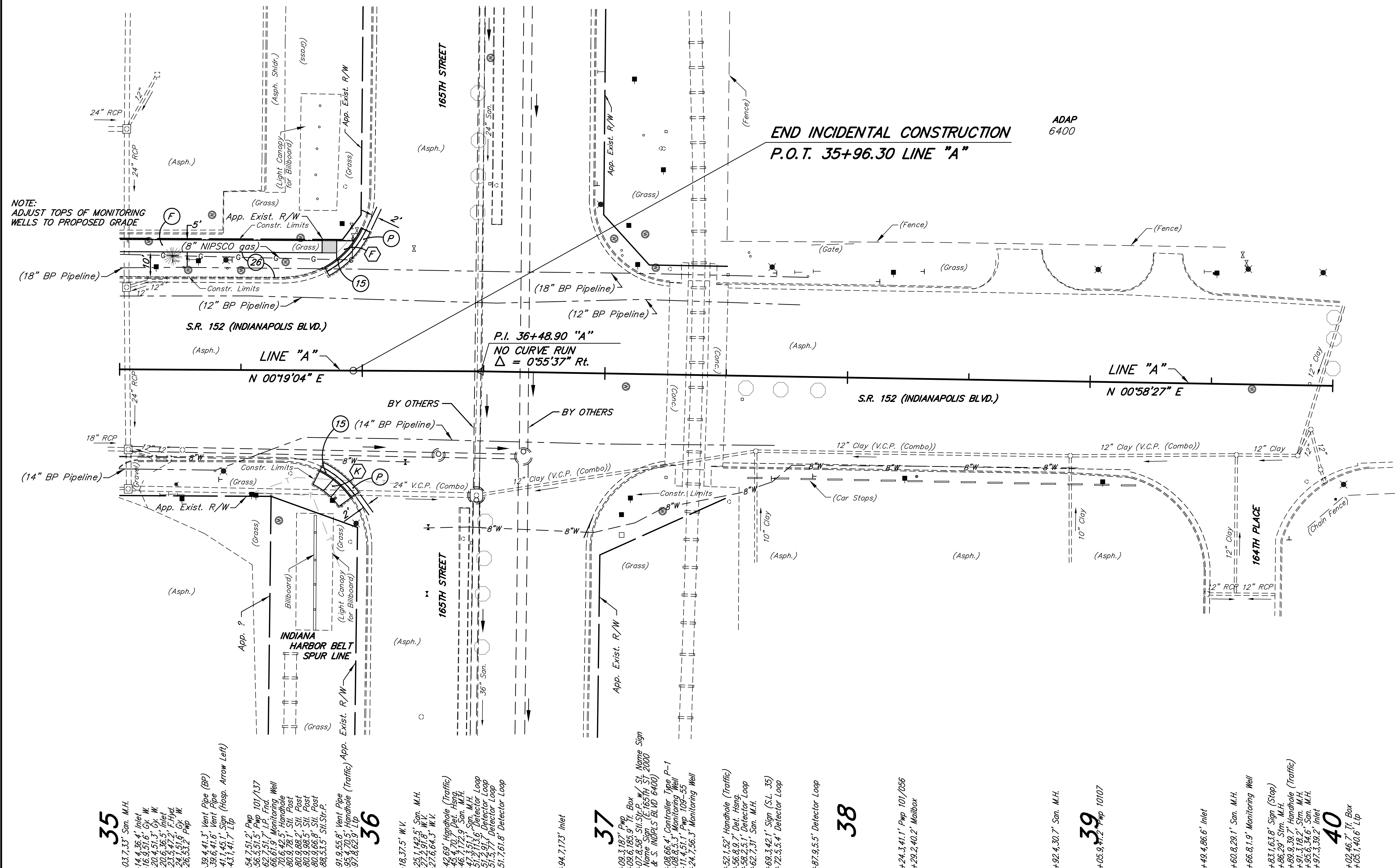
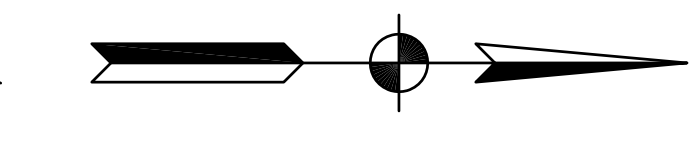
- +02.733.9' San. M.H.
- +03.252.4' San. M.H. (St. Post)
- +11.752.9' Monitoring Well
- +12.266.7' Inlet
- +14.942.4' Pwp
- +14.812.5' Inlet
- +15.2196.3' Inlet
- +16.436.8' Inlet
- +16.448' Storm 8 in.
- +21.644.8' Vent Pipe (BP)
- +26.642.2' Vent Pipe (BP)
- +28.41.1' Monitoring Well
- +28.345.4' G.V.
- +32.244.9' Pwp 98-261
- +32.901.9' Monitoring Well
- +33.901.9' Monitoring Well
- +43.345.3' Tr. Sign
- (No Parking Symbol)
- +44.241.9' Vent Pipe
- +48.341.1' Monitoring Well
- +69.344.6' Monitoring Well
- +80.344.6' Monitoring Well
- +80.344.6' Sign
- +80.344.6' Sign
- +81.170.7' St. Post
- +91.607.7' St. Str. P. w/ St. Name Signs (E. 165TH ST 1900 & S. INDIANAPOLIS BLVD 6500)
- +92.675.8' Handhole (Traffic)
- +93.359.6' G.V.
- +93.359.6' G.V.

- 36**
- +00.9196.3' Lip w/ sign of Street
- (No Parking This Side of Street)
- +04.5167.1 Inlet
- +21.505.5 G.V.
- +47.265.5' Detector Loop
- +47.114.7' Detector Loop
- +47.800.4' Detector Loop
- +48.961.1' Detector Loop
- +48.702.1' San. M.H.
- +48.344.6' Det. Heng.
- +50.3190.2' Monitoring Well
- +54.786.8' Handhole (Traffic)

- 37**
- +02.356.6' Monitoring Well
- +05.9271.6' Pwp 100105
- +06.546.6' Vent Pipe (4" HP)
- +06.548.8' Vent Pipe (8" HP)
- +08.369.2' St. Post
- +10.2121.5' Pwp 101061
- +12.843.1' Pwp 101060
- +14.398.5' St. Post
- +15.757.7' Monitoring Well
- +20.243.3' Handhole
- +22.894.4' Pwp
- +22.894.4' Pwp (R/R)
- +23.6100.1' Controller (R/R)
- +43.2170.1' Handhole (Traffic)
- +50.141.5' R/R Signal
- +58.350.8' Vent Pipe (8" HP)
- +58.344.6' Vent Pipe (8" HP)
- +60.742.6' Sign (Do Not Stop)
- +70.176.6' Sign (Arrow Rt.)
- +77.443.3' G.V. (Double)
- +83.741.4' Vent Pipe
- +84.354.4' Gate
- +85.143.5' G.V. W
- +85.143.5' G.V. W
- +01.855.2' Gate

- 38**
- +12.639.8' Sign
- (No Parking Anytime)
- +18.243.7' Pwp 100/077
- +30.944.3' Sign

- 39**
- +02.646.3' Lip
- +46.246.1' G.V. W
- +50.345.5' Tr. Box
- +51.545.7' Pwp 100/078
- +62.53.4' G.V.
- +63.649.9' G.V.
- +64.447.5' Lip
- +90.507.7' Det. Heng.
- +95.346.6' Lip
- +99.371.1' Detector Loop
- 40**
- +00.128.1' Detector Loop
- +00.219.4' Detector Loop



NOTE: ADJUST TOPS OF MONITORING WELLS TO PROPOSED GRADE

END INCIDENTAL CONSTRUCTION
P.O.T. 35+96.30 LINE "A"

ADAP
6400

P.I. 36+48.90 "A"
NO CURVE RUN
 $\Delta = 0^{\circ}55'37''$ Rt.

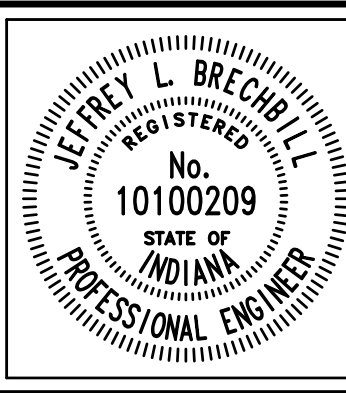
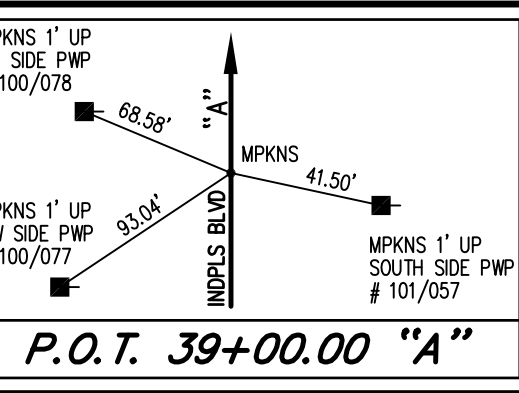
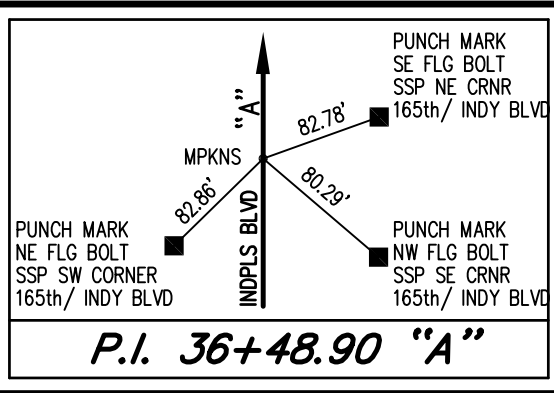
FOR LEGEND SEE SHEET NO. 23
FOR PROFILE SEE NEXT SHEET

- 35**
- +03.733.9' San. M.H.
- +14.436.4' Inlet
- +16.331.9' G.V. W
- +20.436.5' G.V. W
- +23.942.2' F.H.H.
- +24.151.6' G.V. W
- +26.532.5' Pwp
- +39.441.3' Vent Pipe (BP)
- +39.641.6' Vent Pipe
- +41.145.1' Sign (Hosp. Arrow Left)
- +43.141.7' Lip
- +54.751.2' Pwp 101/137
- +56.351.5' Pwp 101/137
- +66.351.5' Tr. Sign
- +70.642.5' Handhole
- +80.988.2' St. Post
- +80.988.2' St. Post
- +80.988.2' St. Post
- +88.53.5' St. Str. P.
- +91.955.8' Vent Pipe
- +91.955.8' Handhole (Traffic)
- +93.362.9' Lip

- 36**
- +18.375.5' W.V.
- +25.1142.5' San. M.H.
- +27.291.8' W.V.
- +27.664.3' W.V.
- +42.69' Handhole (Traffic)
- +43.470.7' Det. Heng.
- +46.7172.9' San. M.H.
- +47.351.1' San. M.H.
- +51.301.9' Detector Loop
- +51.301.9' Detector Loop
- +51.301.9' Detector Loop
- +51.761.8' Detector Loop

- 37**
- +08.3197.7' Tr. Box
- +09.6185.9' Tr. Box
- +07.858' St. Str. P. w/ St. Name Sign
- Name Signs (E. 165TH ST 2000 & S. INDIANAPOLIS BLVD 6400)
- +08.66.4' Controller Type P-1
- +08.855.3' Monitoring Well
- +11.451.1' Pwp 109-55
- +24.756.3' Monitoring Well
- +52.152' Handhole (Traffic)
- +56.89.7' Det. Heng.
- +58.251.1' Detector Loop
- +62.731' San. M.H.
- +69.142.1' Sign (S.L. 35)
- +72.55.4' Detector Loop
- +87.95.5' Detector Loop

- 38**
- +24.341.1' Pwp 101/056
- +29.240.2' Mailbox
- +92.430.7' San. M.H.
- +05.941.2' Pwp 10107
- +49.486.6' Inlet
- +60.829.1' San. M.H.
- +66.81.9' Monitoring Well
- +83.163.8' Sign (Stop)
- +86.29' St. M.H.
- +89.939.7' Handhole (Traffic)
- +91.318.2' St. M.H.
- +95.634.6' San. M.H.
- +97.339.2' Inlet
- +02.46.7' Tr. Box
- +05.140.6' Lip



RECOMMENDED FOR APPROVAL	<i>Jeffrey L. Brechler</i> 6/8/2012	DESIGN ENGINEER	DATE
DESIGNED: J.L.B.	DRAWN: M.D.T./D.F.S.		
CHECKED: L.C.S./D.W.C.	CHECKED: J.L.B.		

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	33 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

35

36

37

38

39

40

T.B.M. NO. 14 R/R Spike 1 Ft. up NEF Pwp 101/052
STA. 32+73.1, 43.3' LT.
ELEV. 598.95

640

635

630

625

620

615

610

605

600

595

590

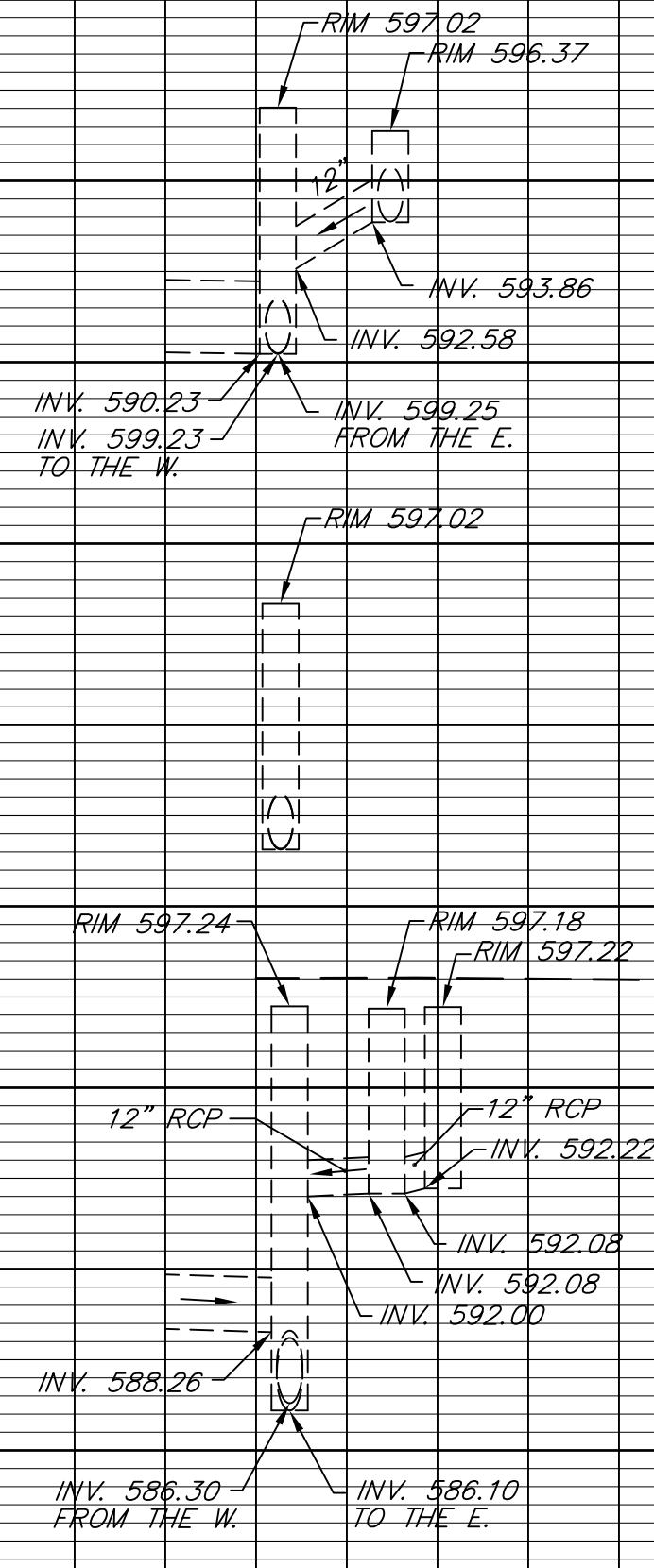
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580

575

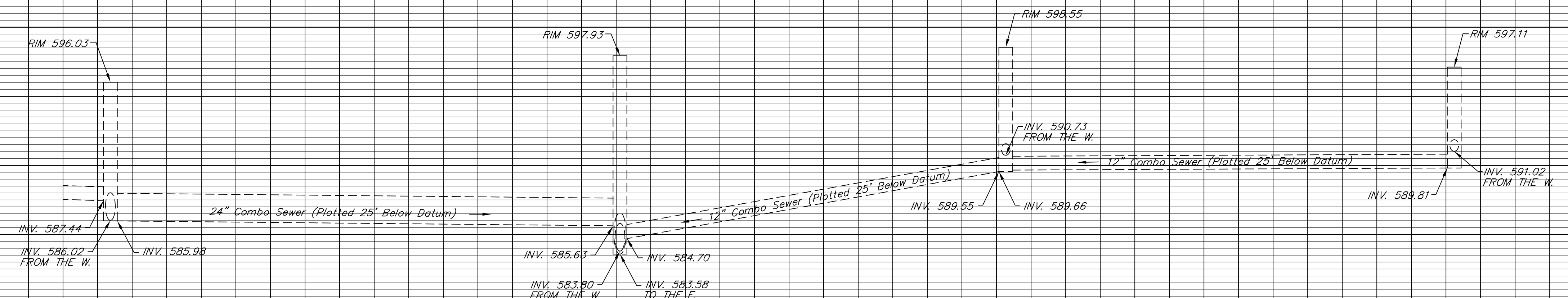
570

565



**END INCIDENTAL CONSTRUCTION
STA. 35+96.30 LINE "A"**

Existing Profile Grade Line "A"



35

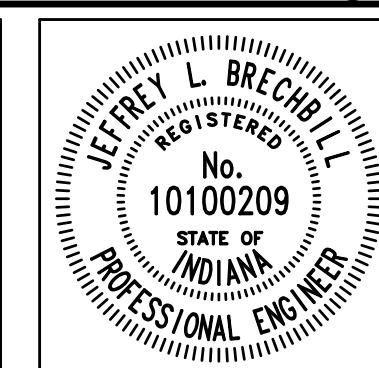
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37

38

39

40



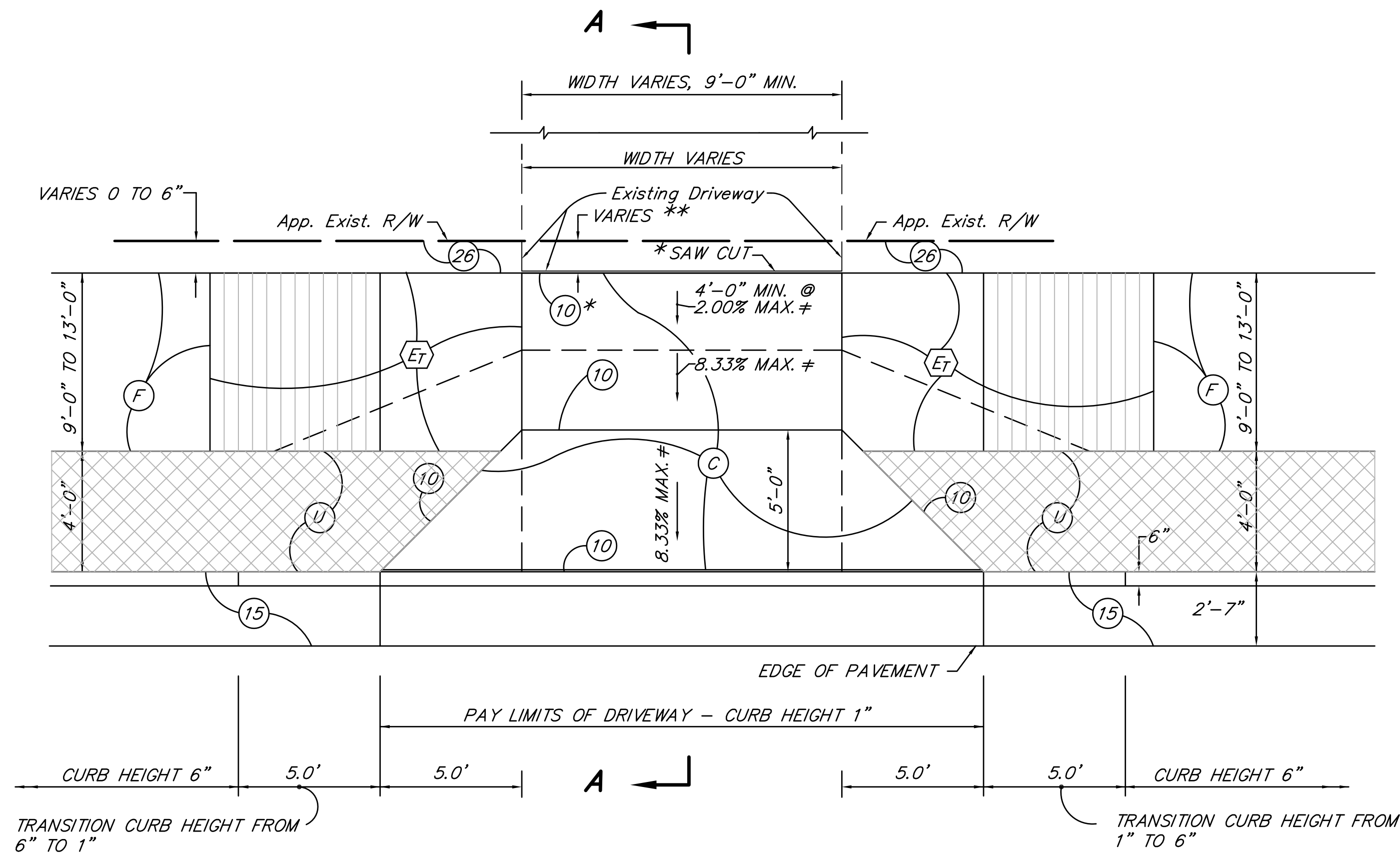
RECOMMENDED FOR APPROVAL
Jeffrey L. Brech 6/8/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

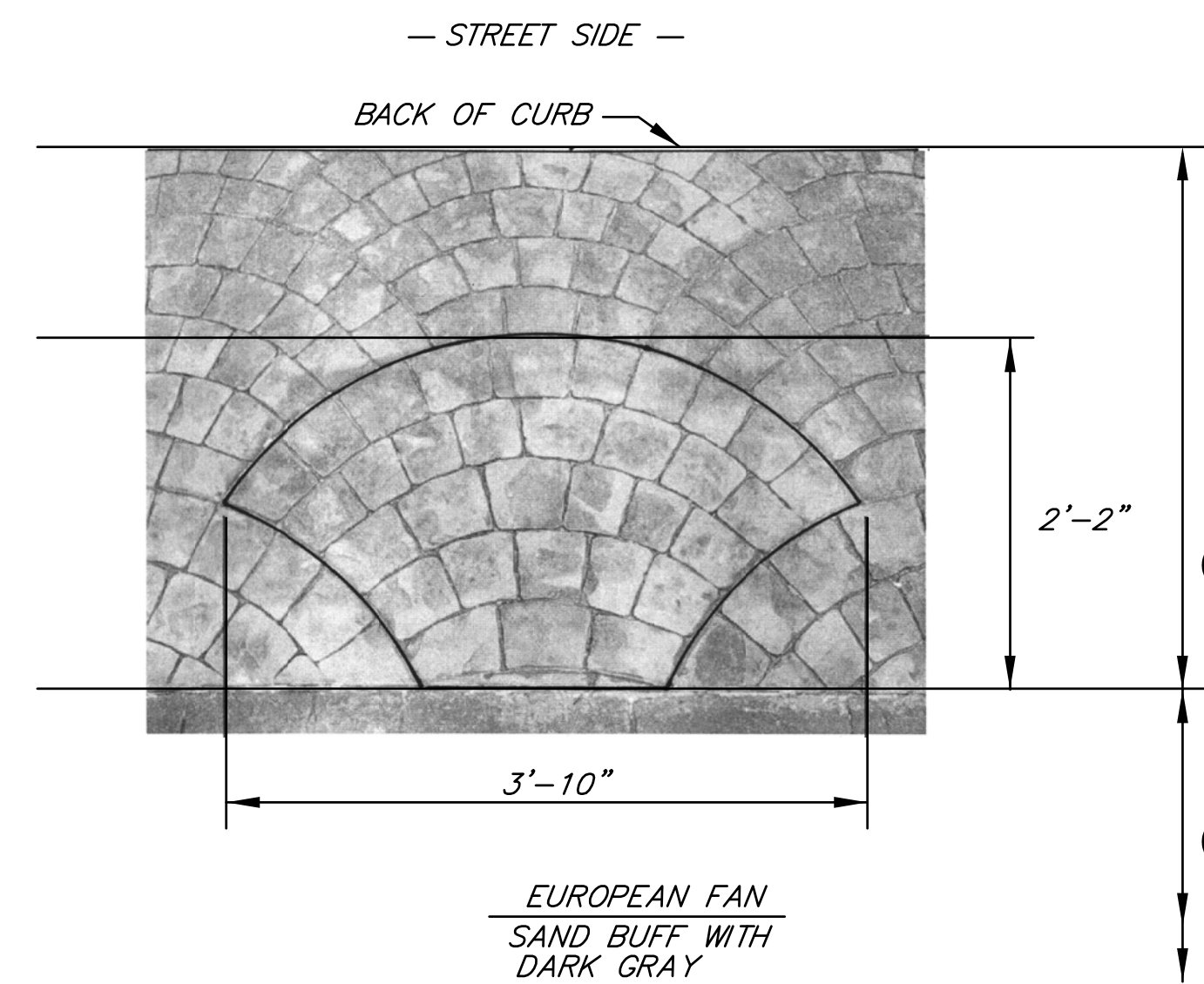
INDIANA DEPARTMENT OF TRANSPORTATION

PROFILE
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 34 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



PLAN
DROP CURB DRIVE
S.R. 152 (INDIANAPOLIS BLVD.)
 NOT TO SCALE

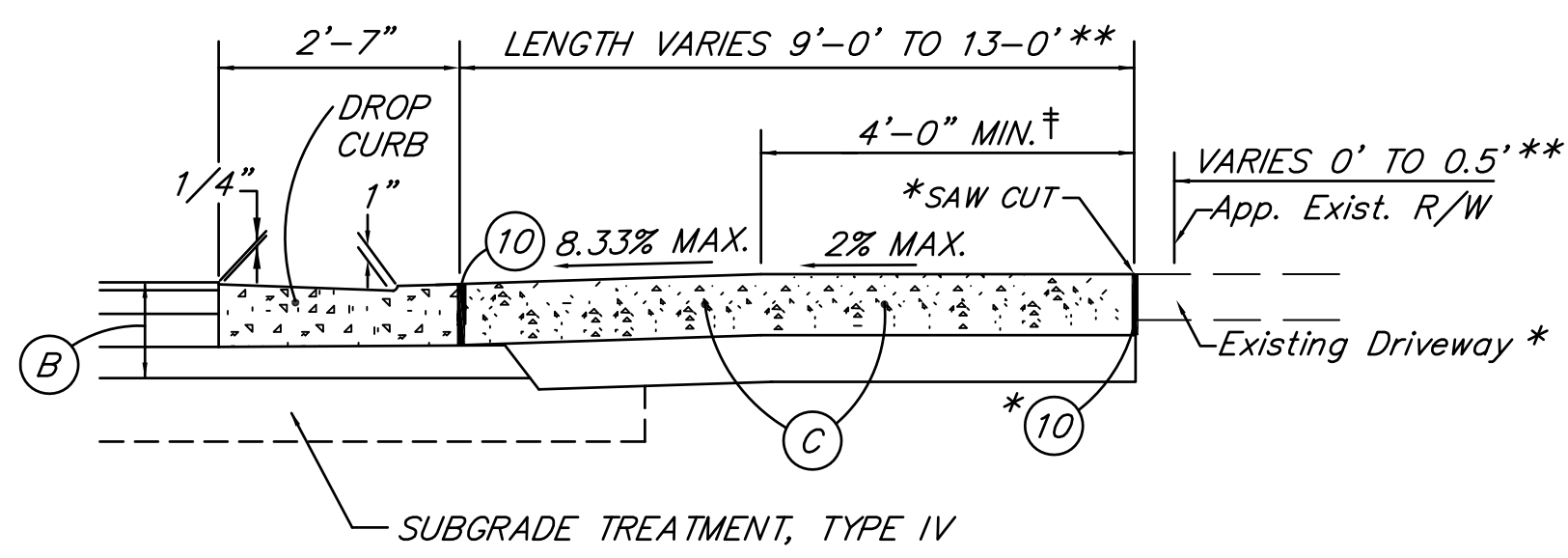


UTILITY STRIP, DECORATIVE
 NOT TO SCALE

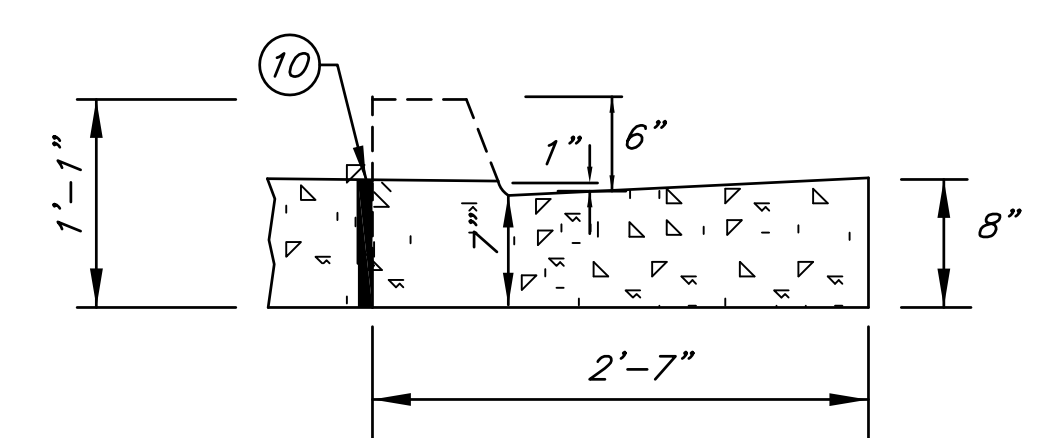
- NOTES**
- * SAW CUT REQ'D AT EXISTING ASPHALT OR CONCRETE DRIVEWAYS.
 - (10) REQ'D AT EXISTING CONCRETE DRIVEWAYS
 - ** LENGTHS OF DRIVEWAYS VARY, SEE PLAN AND PROFILES, CROSS SECTIONS AND APPROACH TABLES FOR ADDITIONAL INFORMATION
 - † UNLESS NOTED ON CROSS SECTIONS (MINIMUM 4' OF SIDEWALK ACROSS DRIVEWAY SHALL BE SLOPED 2% OR FLATTER)

LEGEND

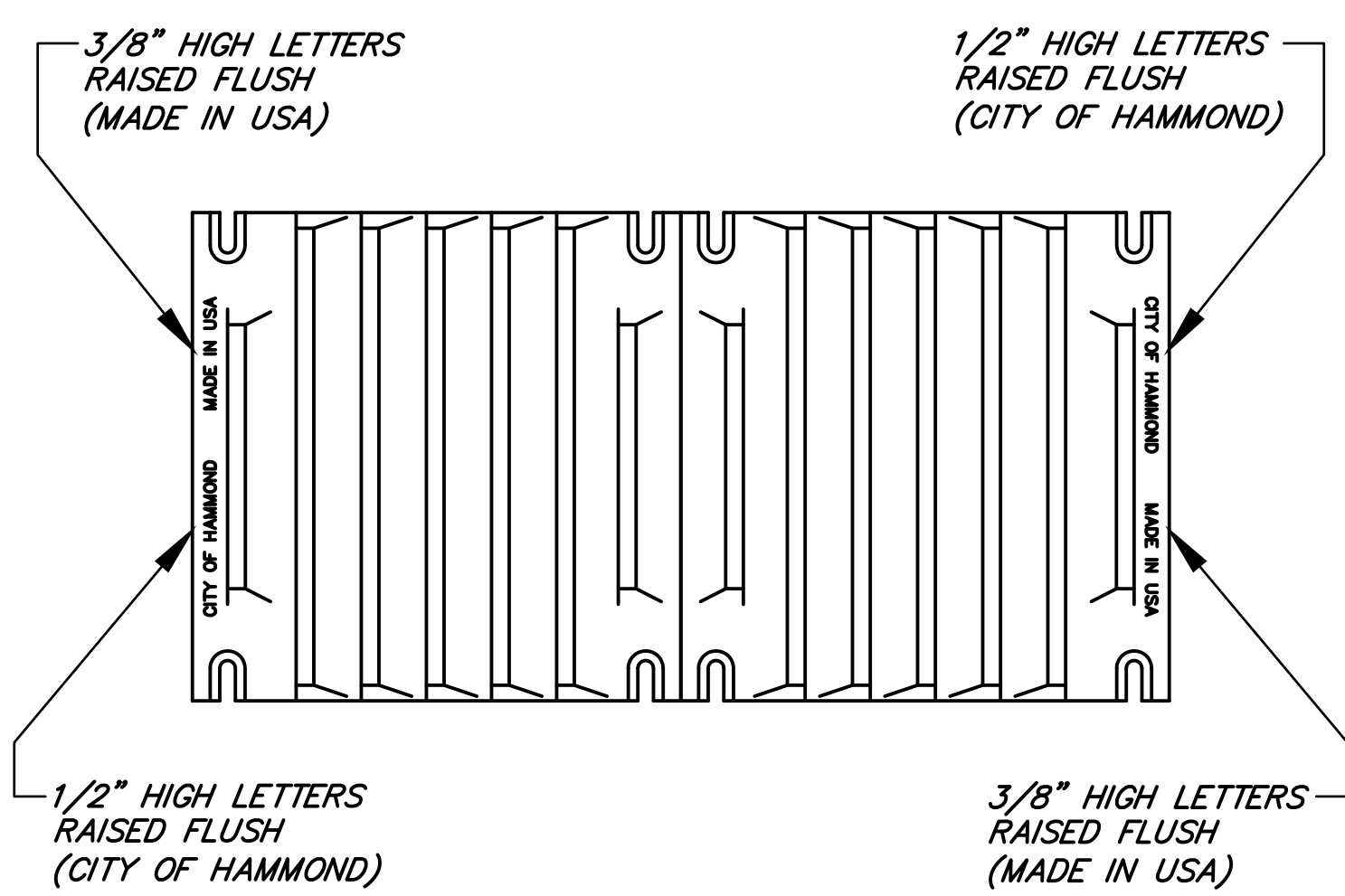
- (B) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON 275 lbs/syd QC/QA-HMA, 3, 76, INTERMEDIATE 19.0 mm ON 1045 lbs/syd QC/QA-HMA, 3, 70, BASE 25.0 mm
- (C) PCCP FOR APPROACHES, 9" ON SUBGRADE TREATMENT TYPE EEEA
- (D) 1485 lbs/syd HMA FOR APPROACHES, TYPE C
- (F) CONCRETE SIDEWALK, 5"
- (L) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm ON 8" PCCP FOR STRUCTURE INSTALLATION
- (P) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON 1320 lbs/syd HMA PATCHING, TYPE C
- (R) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH TRANSITION MILLING
- (Et) SIDEWALK ELEVATION TRANSITION
- (X) CONCRETE CURB RAMP, TYPE "X"
- (U) UTILITY STRIP, DECORATIVE (SEE DETAIL)
- (W) 165 lbs/syd QC/QA-HMA, 3, 76, SURFACE 9.5 mm ON VARIABLE DEPTH (2.5" MIN.) QC/QA-HMA, 3, 76, INTERMEDIATE 19 mm WITH VARIABLE DEPTH SCARIFICATION/PROFILE MILLING
- (10) E" PREFORMED JOINT FILLER
- (15) CONCRETE CURB & GUTTER
- (26) SODDING (NURSERY)



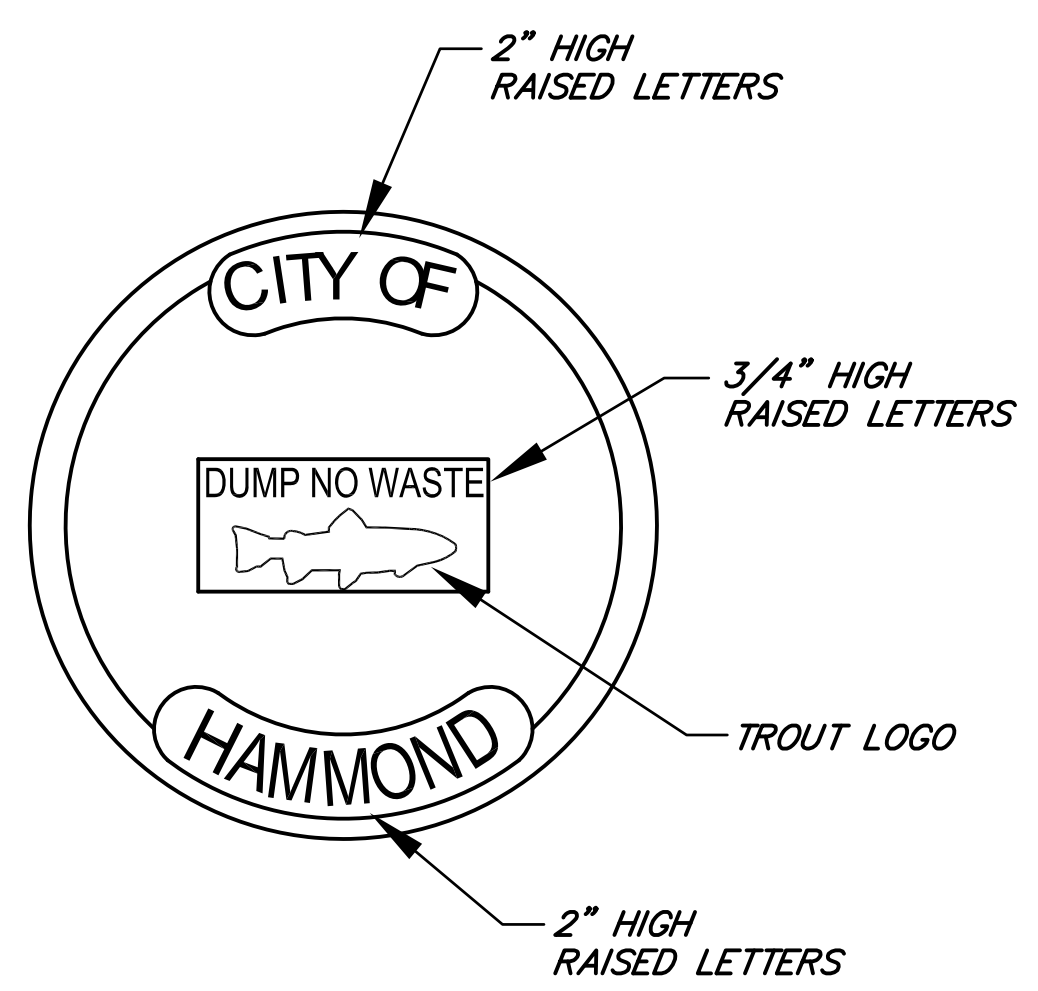
SECTION "A-A"
DROP CURB DRIVE
 SCALE: 1"=2'



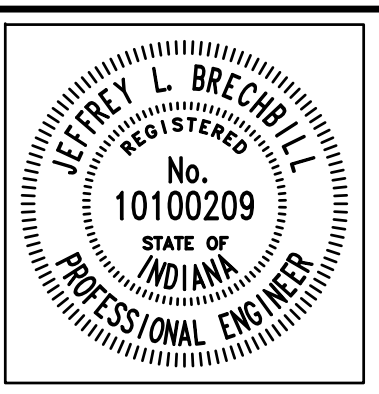
CONCRETE CURB & GUTTER DETAIL
DROP CURB DRIVEWAYS
 SCALE: 1"=1'



STAMPING FOR
TYPE 15 CASTING
 NOT TO SCALE



STAMPING FOR
TYPE 4 CASTINGS
 NOT TO SCALE



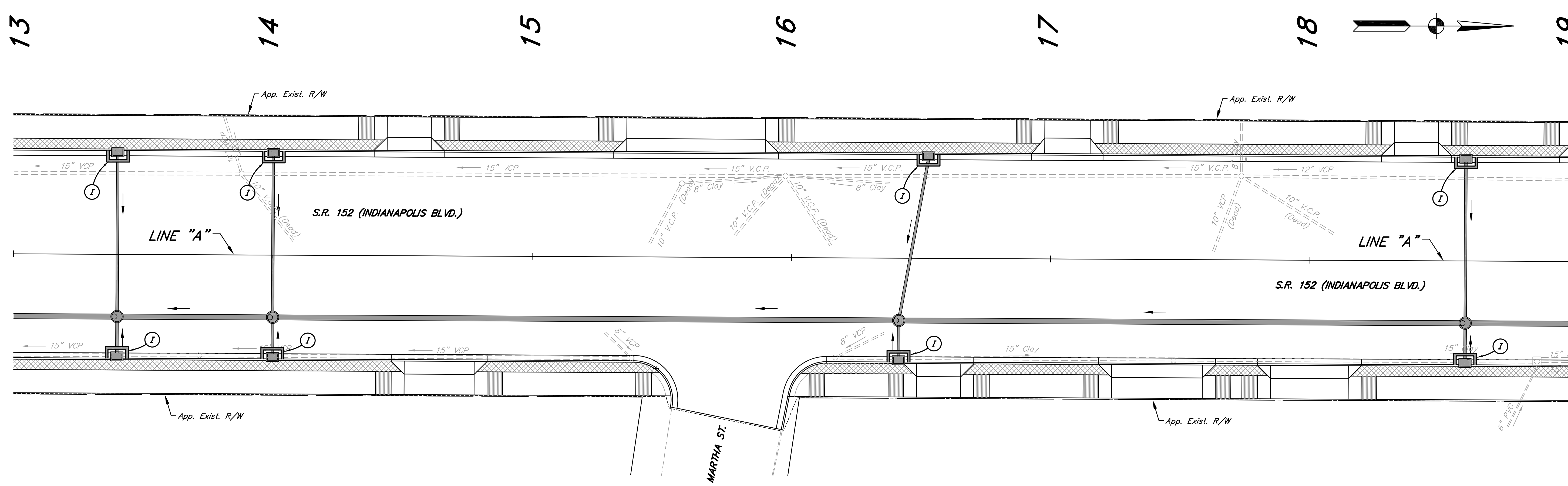
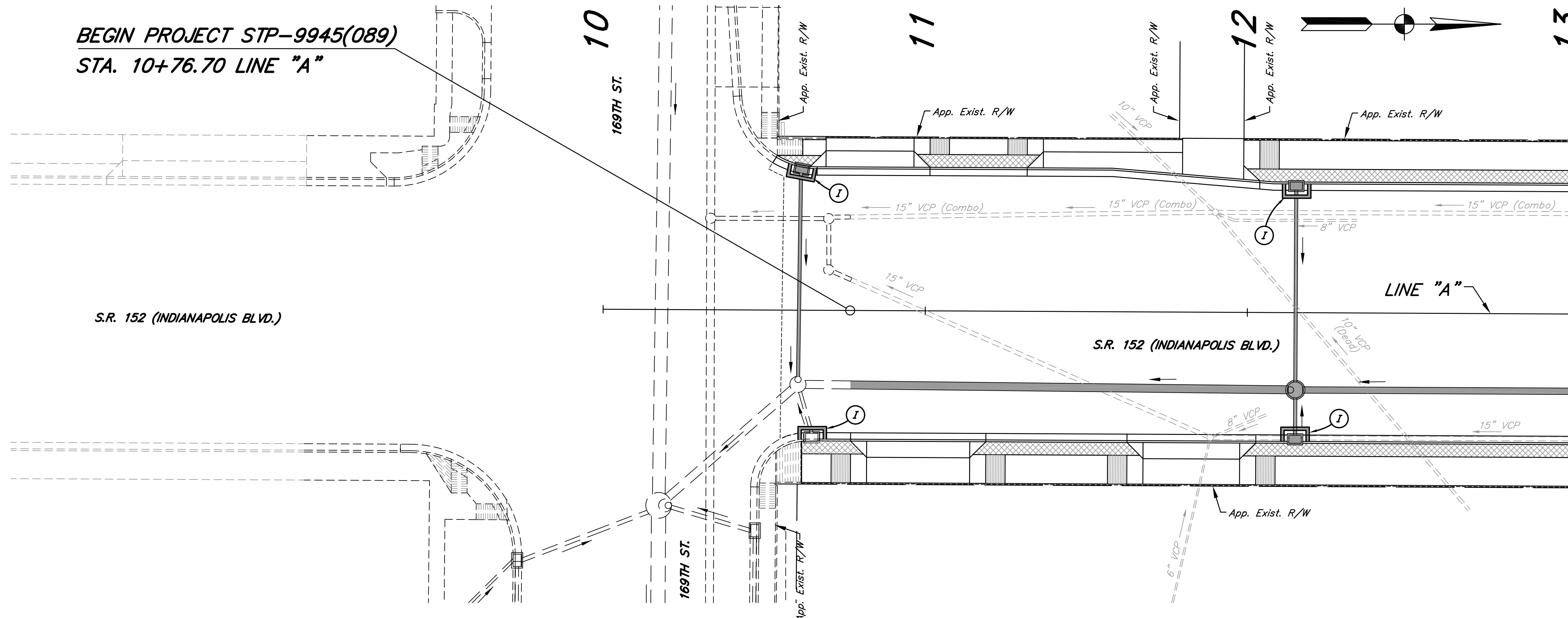
RECOMMENDED FOR APPROVAL	<i>Jeffrey L. Brecht</i>	6/18/2012
DESIGNED:	J.L.B.	DRAWN:
CHECKED:	L.C.S./D.W.C.	CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
S.R. 152 (INDIANAPOLIS BLVD.)

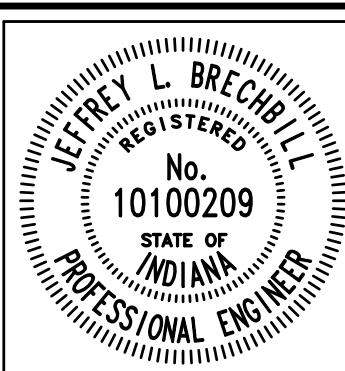
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0401043 & 1005297
SURVEY BOOK	SHEETS
	35 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

BEGIN PROJECT STP-9945(089)
 STA. 10+76.70 LINE "A"



LEGEND

- (D) TEMPORARY DITCH INLET PROTECTION
- (I) TEMPORARY CURB INLET PROTECTION, BLOCK AND GRAVEL (NOT A PAY ITEM)



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brechler* 6/18/2012
 DESIGN ENGINEER DATE

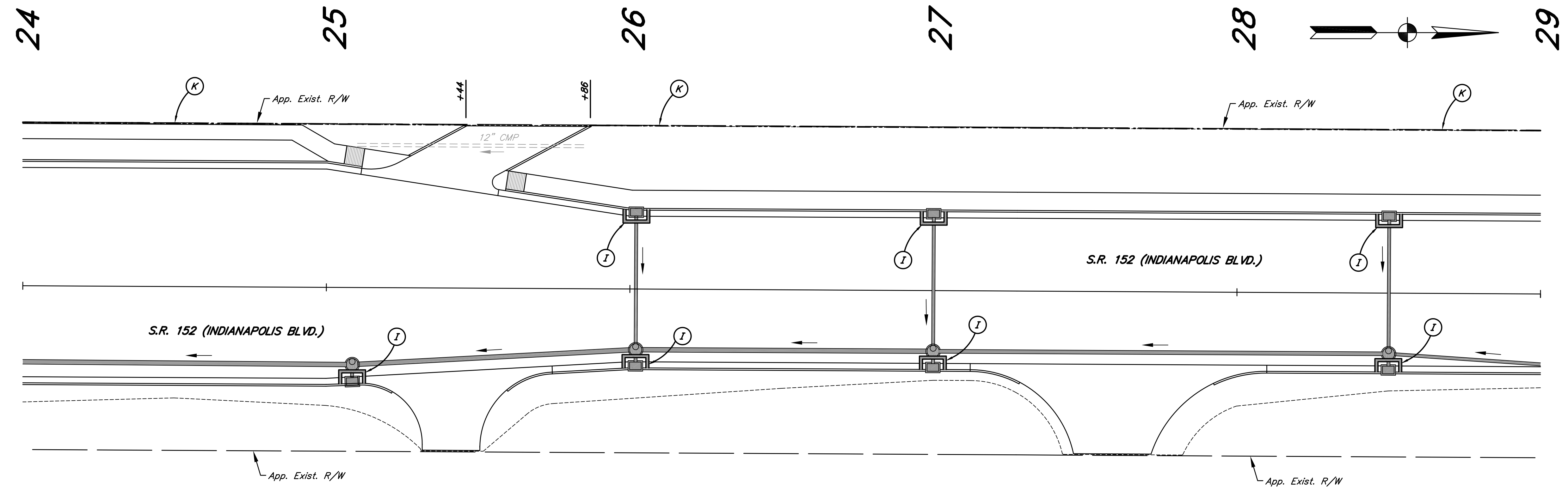
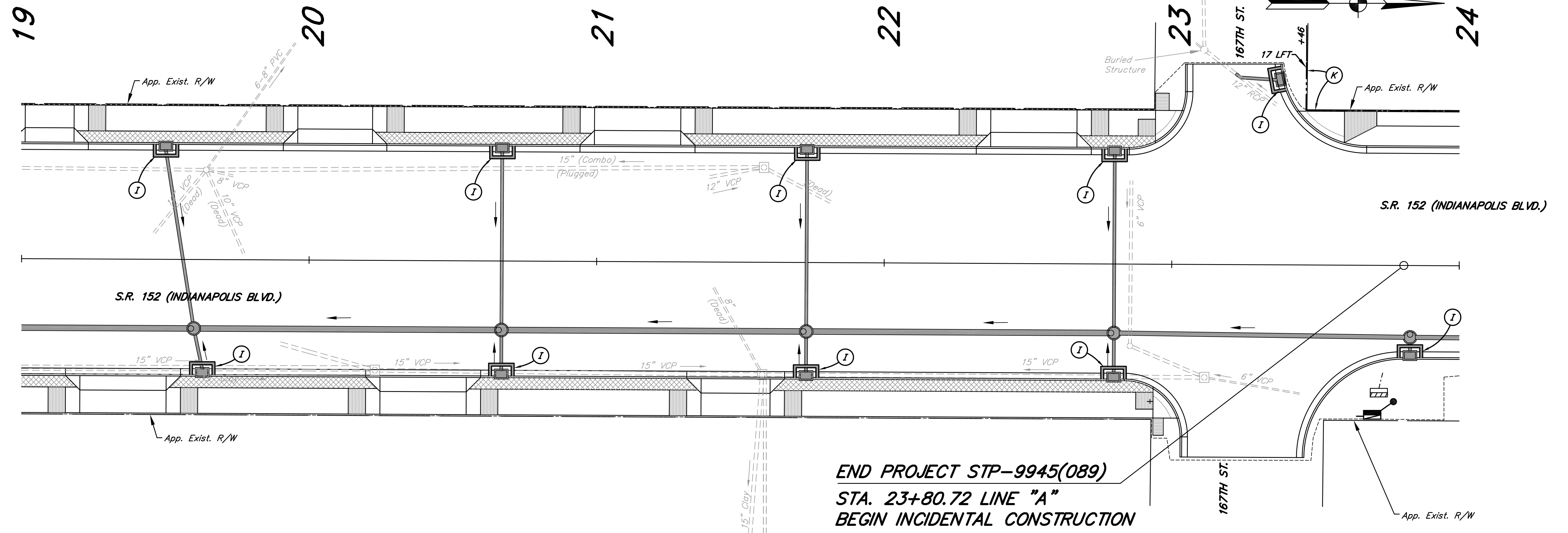
DESIGNED: J.L.B. DRAWN: J.L.B.

CHECKED: L.C.S./D.W.C. CHECKED: L.C.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION AND SEDIMENT CONTROL
 S.R. 152 (INDIANAPOLIS BLVD.)

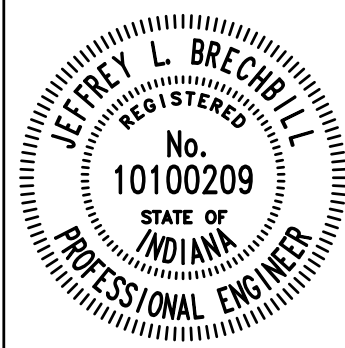
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	36 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



END PROJECT STP-9945(089)
 STA. 23+80.72 LINE "A"
 BEGIN INCIDENTAL CONSTRUCTION

LEGEND

- (D) TEMPORARY DITCH INLET PROTECTION
- (I) TEMPORARY CURB INLET PROTECTION, BLOCK AND GRAVEL (NOT A PAY ITEM)
- (K) TEMPORARY SILT FENCE



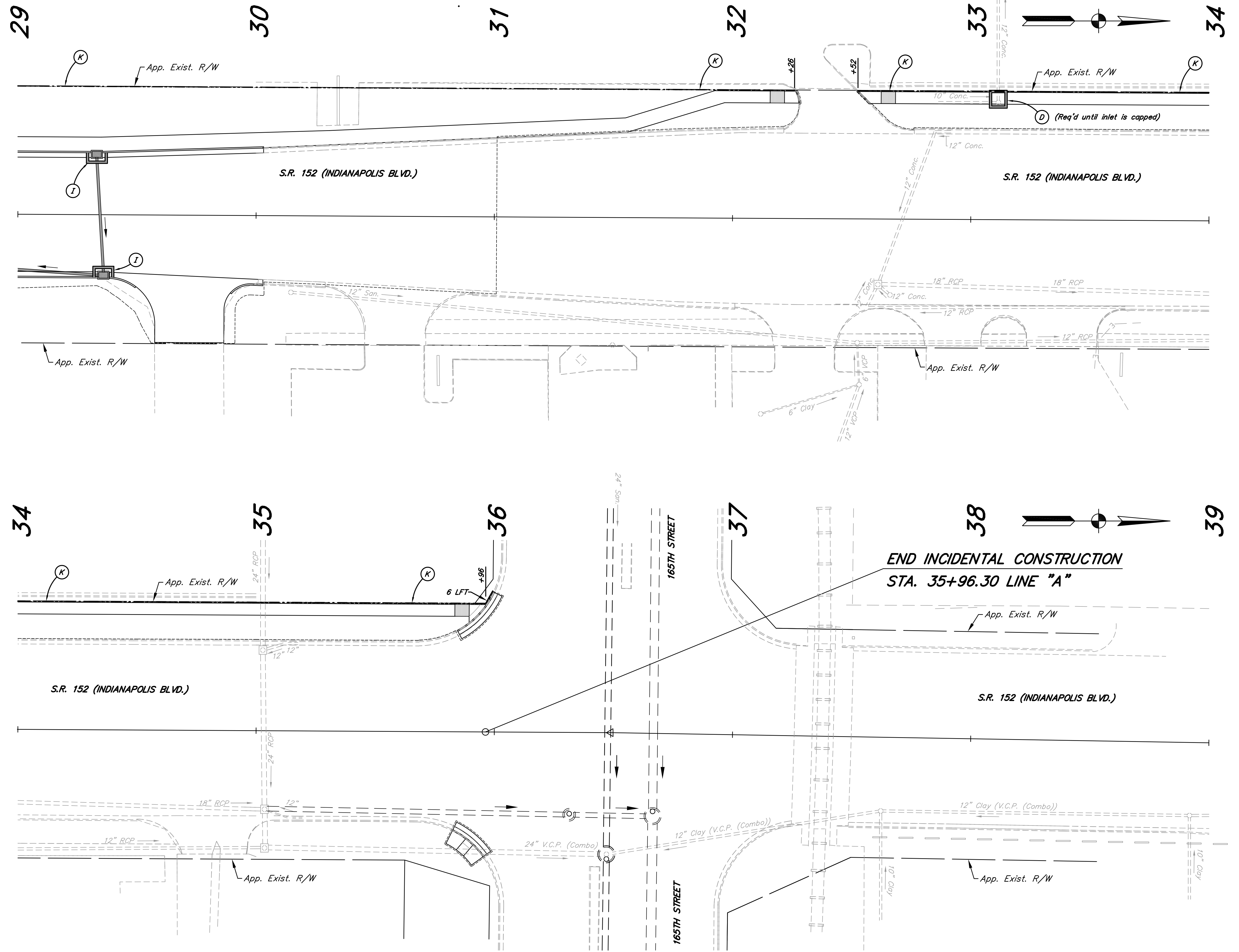
RECOMMENDED FOR APPROVAL: *[Signature]* 6/18/2012
 DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: J.L.B.
 CHECKED: L.C.S./D.W.C. CHECKED: L.C.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION

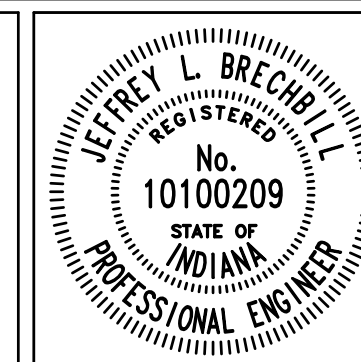
TEMPORARY EROSION AND SEDIMENT CONTROL
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	37 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



LEGEND

- (D) TEMPORARY DITCH INLET PROTECTION
- (I) TEMPORARY CURB INLET PROTECTION, BLOCK AND GRAVEL (NOT A PAY ITEM)
- (K) TEMPORARY SILT FENCE



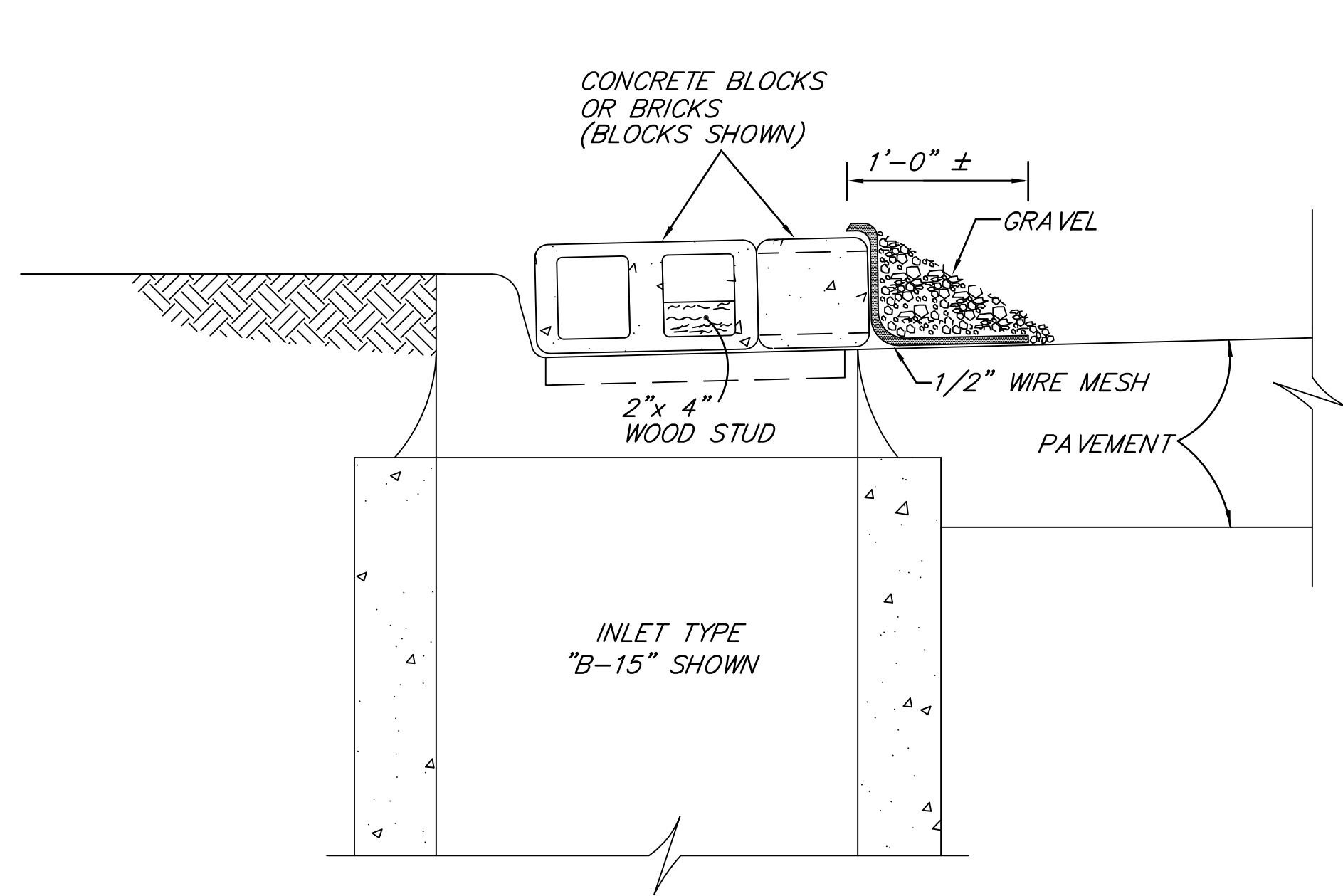
RECOMMENDED FOR APPROVAL *Jeffrey L. Brechler* 6/18/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: J.L.B.
CHECKED: L.C.S./D.W.C. CHECKED: L.C.S./D.W.C.

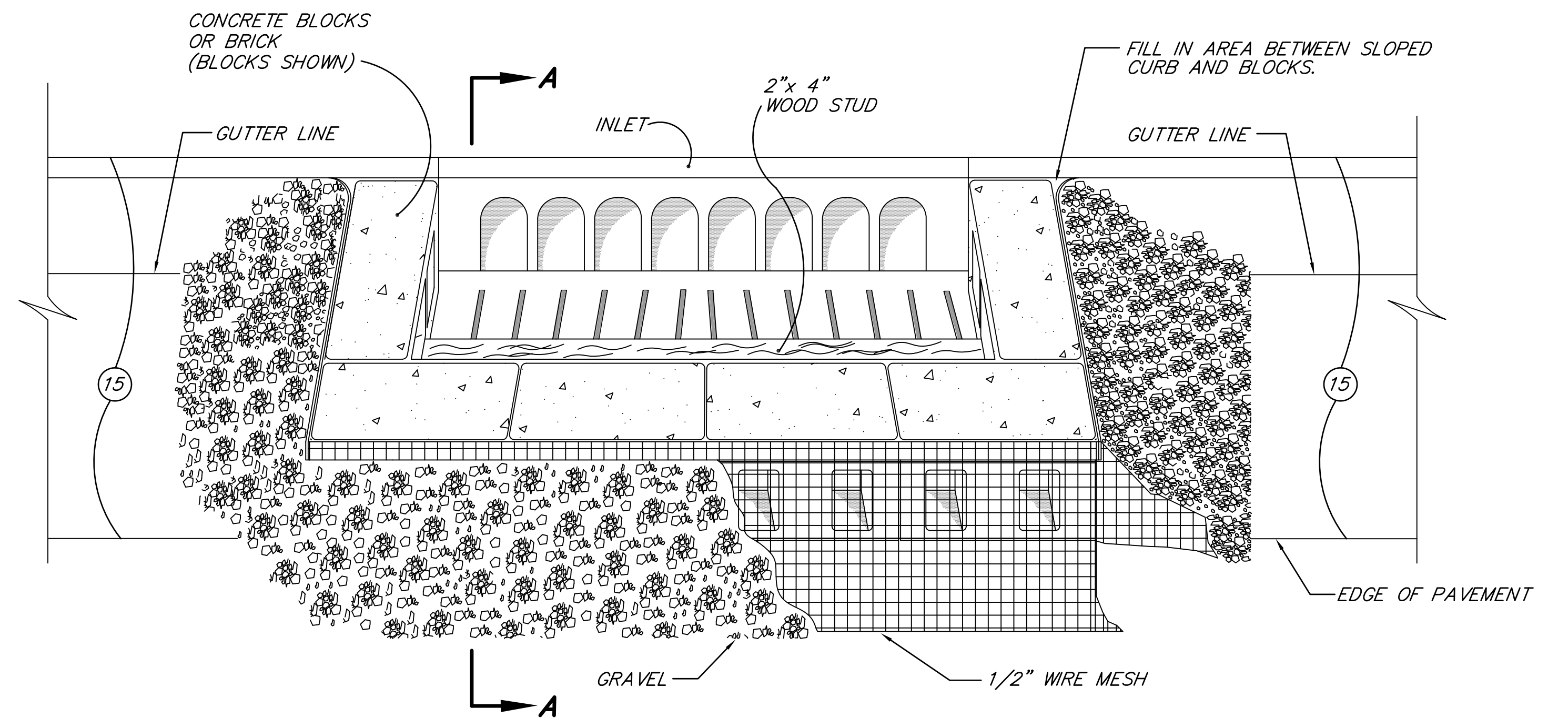
INDIANA DEPARTMENT OF TRANSPORTATION

**TEMPORARY EROSION AND SEDIMENT CONTROL
S.R. 152 (INDIANAPOLIS BLVD.)**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	38 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



SECTION A-A I
SCALE: NONE



PERSPECTIVE VIEW OF I
SCALE: NONE

PERMANENT EROSION AND SEDIMENT CONTROL LEGEND AND SUMMARY

ITEM	QUANTITY
(26) NURSERY SODDING (UNDISTRIBUTED)	2535 yd. ²
FERTILIZER (400 lbs./ac.) (0.6 ac.±)	0.12 Tons
WATER (1.5 kGAL/ac.) (0.6 ac.±) (25 Times)	23 kGAL
MOBILIZATION AND DEMOBILIZATION FOR SEEDING	2 EACH

GENERAL NOTES

- GRAVEL SHALL BE 1" TO 2" (NO. 2 STONE).
- WIRE MESH SHALL BE CHICKEN WIRE OR HARDWARE CLOTH WITH 1/2" OPENINGS.
- USE STANDARD DRUMS TO PROTECT FROM TRAFFIC.
- INSTALL AS SOON AS INLETS ARE PLACED.
- INSTALL GEOTEXTILES OVER WIRE MESH IF REQUIRED FOR ADDITIONAL FILTRATION.
- WITHIN 48 HOURS AFTER EACH STORM EVENT, REMOVE SEDIMENT AND REPLACE GRAVEL. REPLACE GEOTEXTILES IF USED.
- WHENEVER CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE GRAVEL, WIRE MESH, GEOTEXTILES IF USED, ANY SEDIMENT AND DISPOSE OF THEM PROPERLY.

TEMPORARY EROSION AND SEDIMENT CONTROL LEGEND AND SUMMARY

ITEM	QUANTITY
(D) TEMPORARY DITCH INLET PROTECTION	1 EACH
(G) SEED MIXTURE, T (0.6 ac.±) (150 lbs./ac.)	90 lbs.
(H) TEMPORARY MULCHING (0.6 ac.±) (2.5 Tons/ac.)	1.5 Tons
(I) TEMPORARY CURB INLET PROTECTION, BLOCK AND GRAVEL (NOT A PAY ITEM)	26 EACH
(K) TEMPORARY SILT FENCE	1205 LFT

		RECOMMENDED FOR APPROVAL: <i>Jeffrey L. Brecht</i> 6/8/2012 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION TEMPORARY EROSION & SEDIMENT CONTROL S.R. 152 (INDIANAPOLIS BLVD.)	<table border="1" style="font-size: small;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>N/A</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>N/A</td> <td>0401043 & 1005297</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td></td> <td>39 of 80</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-28972</td> <td>STP-9945(089)</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	N/A		VERTICAL SCALE	DESIGNATION	N/A	0401043 & 1005297	SURVEY BOOK	SHEETS		39 of 80	CONTRACT	PROJECT	R-28972	STP-9945(089)
HORIZONTAL SCALE	BRIDGE FILE																			
N/A																				
VERTICAL SCALE	DESIGNATION																			
N/A	0401043 & 1005297																			
SURVEY BOOK	SHEETS																			
	39 of 80																			
CONTRACT	PROJECT																			
R-28972	STP-9945(089)																			

21

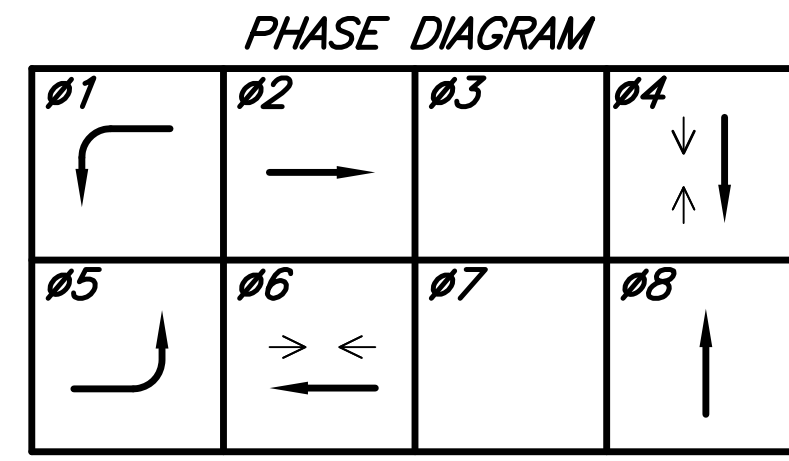
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23

24

25

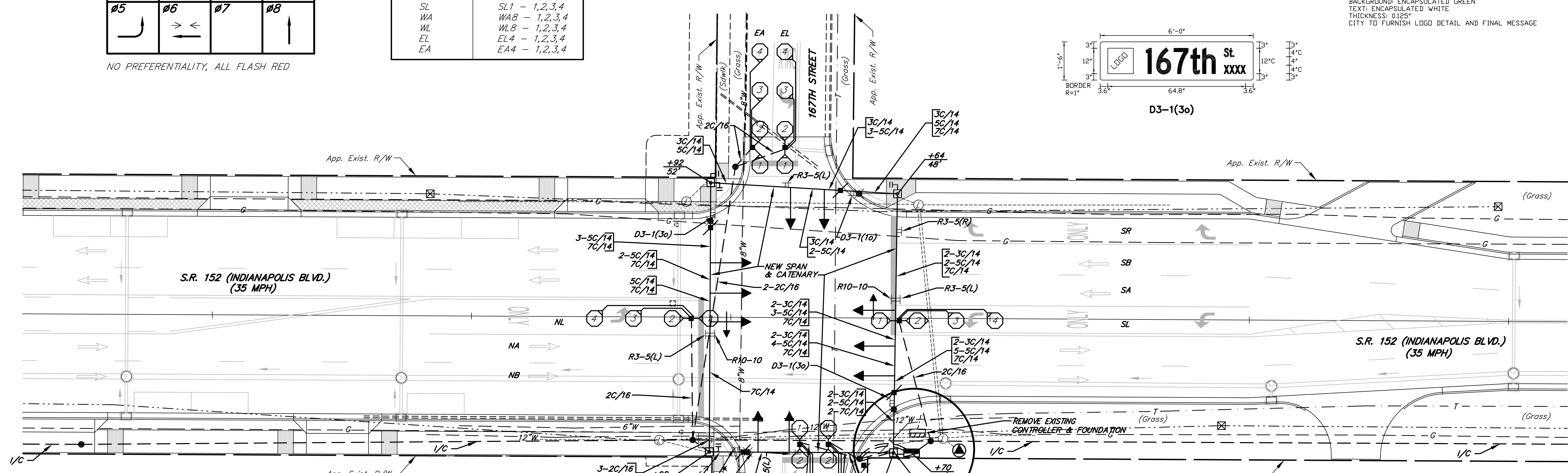
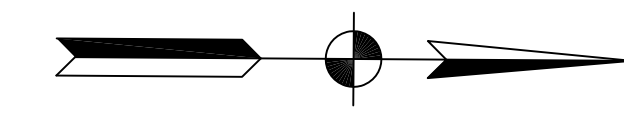
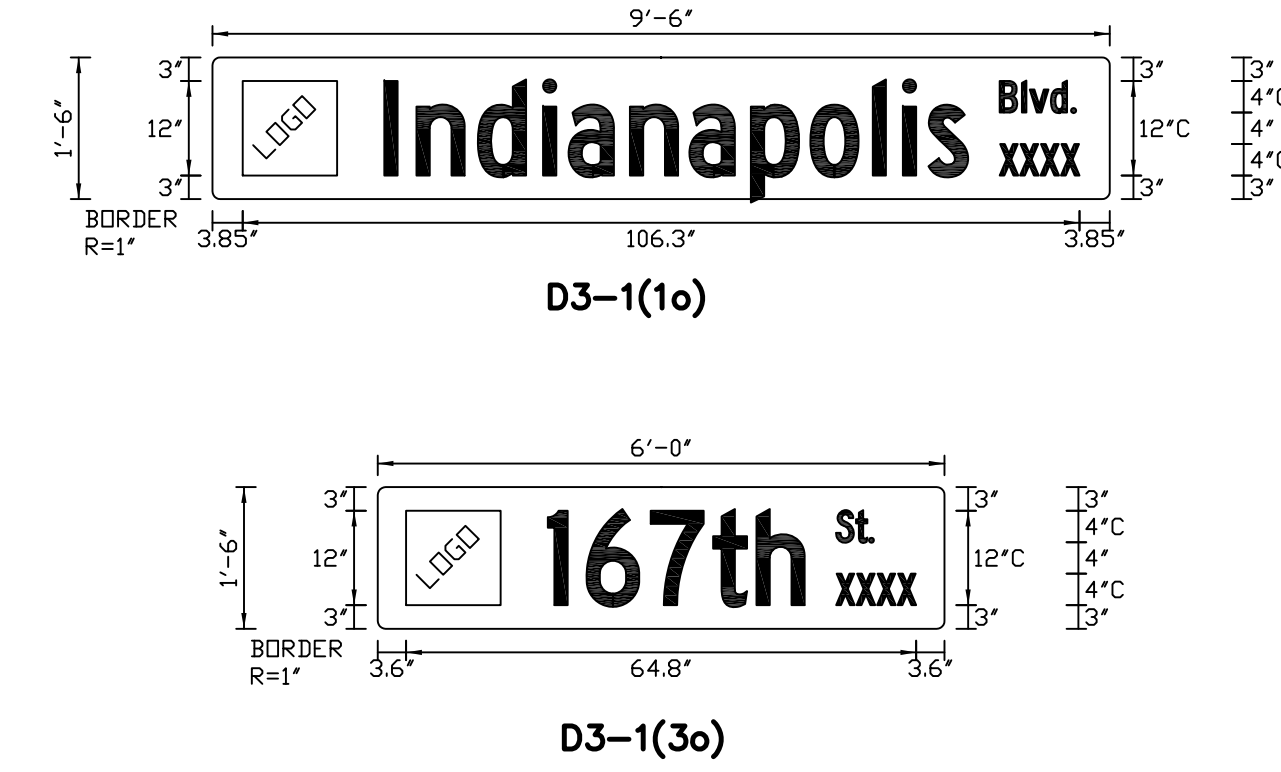
26



NO PREFERENTIALITY, ALL FLASH RED

LOOP TAGGING TABLE

LANE(S)	TAG NUMBER
NL	NL5 - 1,2,3,4
SL	SL1 - 1,2,3,4
WA	WA8 - 1,2,3,4
WL	WL8 - 1,2,3,4
EL	EL4 - 1,2,3,4
EA	EA4 - 1,2,3,4



LEGEND

- EXISTING CONDUIT
- - - 2" GALVANIZED STEEL CONDUIT
- 1-WAY, 3-SECTION (12" RED, AMBER, GREEN) SIGNAL INDICATION
- ↔ 1-WAY, 5-SECTION (12" RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW) SIGNAL INDICATION
- ⊥ SPAN MOUNT DISCONNECT HANGER
- SIGNAL HANDHOLE
- DETECTOR HOUSING
- ⊠ EXISTING DETECTOR HOUSING
- ⊞ 2'-6" OCTAGONAL LOOP, 4 TURN SERIES ("X" INDICATES LOOP TAG NUMBER)
- ⊙ PROPOSED LIGHTING HANDHOLE
- ⊚ PROPOSED LIGHTING CIRCUIT
- ⊛ PROPOSED LIGHTING SERVICE POINT
- ⊠ 30' STEEL STRAIN POLE WITH 250 W HPS, 30' E.M.H. ON 15" MAST ARM
- ⊞ PEDESTRIAN INDICATION PUSH BUTTON & R10-4B (R OR L) SIGN
- ⊞ 8-PHASE SECONDARY MENU-DRIVEN CONTROLLER, CABINET & "P-1" FOUNDATION
- ⊞ EXISTING MENU-DRIVEN CONTROLLER, CABINET & FOUNDATION TO BE REMOVED
- I/C FIBER OPTIC INTERCONNECT CABLE (6 OPTIC FIBERS MULTIMODE)
- ⊞ SPAN MOUNTED SIGNS
- ← TRANSVERSE PAVEMENT MARKINGS, THERMOPLASTIC, TURN ARROW
- ONLY TRANSVERSE PAVEMENT MARKINGS, THERMOPLASTIC, WORD (ONLY)
- TRANSVERSE PAVEMENT MARKINGS, THERMOPLASTIC, 24" STOP BAR

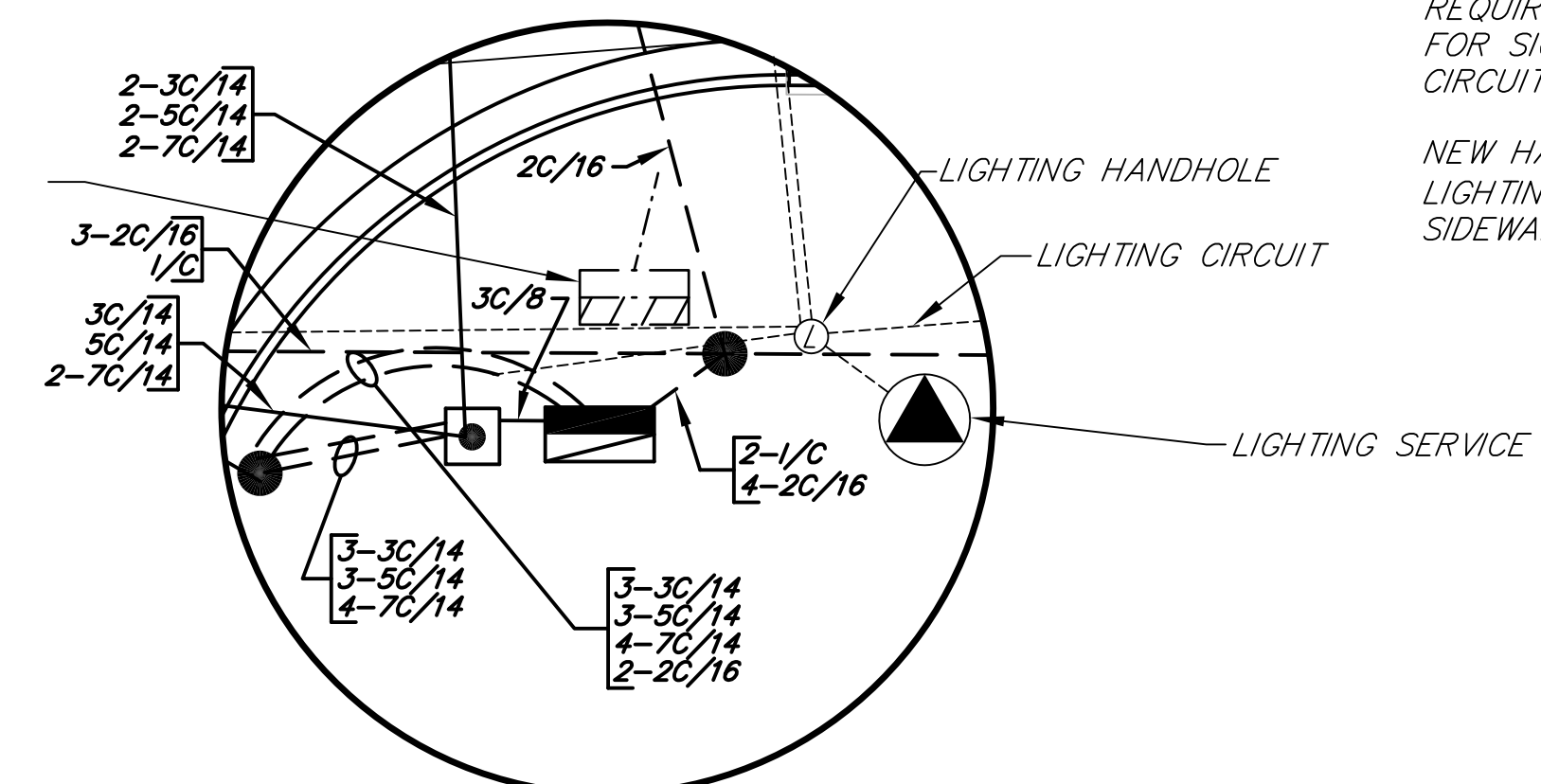
NOTES

PAVEMENT MARKINGS ARE FOR REFERENCE ONLY. SEE PAVEMENT MARKINGS, SIGNING AND LANDSCAPE DETAIL SHEETS.

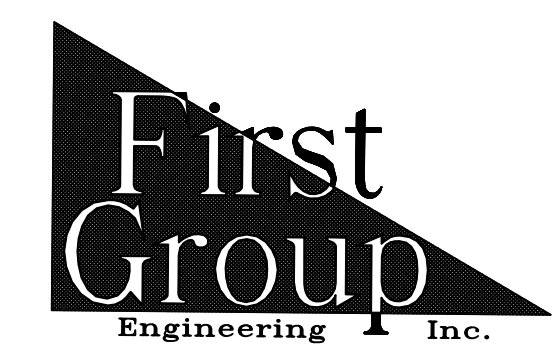
SEE INTERCONNECT DETAIL SHEETS FOR I/C.

ALL STEEL STRAIN POLE FOUNDATIONS REQUIRE AT LEAST ONE 2" STEEL CONDUIT FOR SIGNAL CIRCUIT AND ONE FOR LIGHTING CIRCUIT FROM NEARBY HANDHOLES.

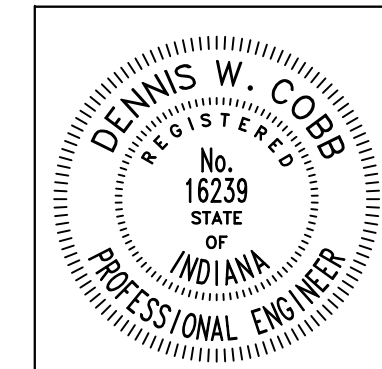
NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMPS OR DRIVES.



COMM. NO. 01-045-154



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



RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION
S.R. 152 (INDIANAPOLIS BLVD.)

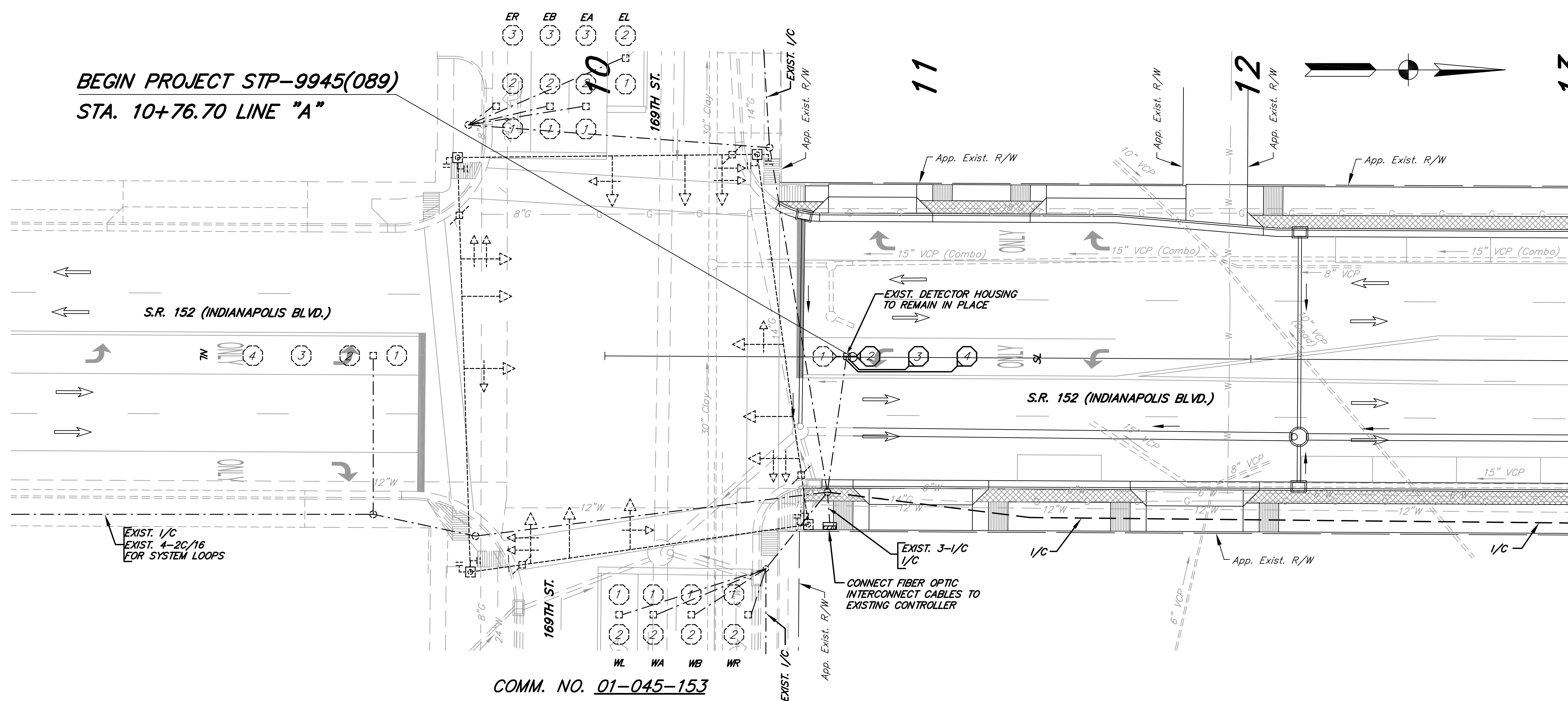
HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 40 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

BEGIN PROJECT STP-9945(089)
STA. 10+76.70 LINE "A"

- LEGEND**
- 2" GALVANIZED STEEL CONDUIT
 - - - EXISTING CONDUIT
 - I/C FIBER OPTIC INTERCONNECT CABLE (6 OPTIC FIBERS MULTIMODE)
 - EXIST. I/C EXISTING FIBER OPTIC INTERCONNECT CABLE
 - PROPOSED HANDHOLE (PROPOSED HANDHOLE SHALL NOT BE LOCATED IN SIDEWALK CURB RAMP)
 - EXISTING HANDHOLE
 - EXISTING 8 PHASE, MASTER, MENU-DRIVEN, CONTROLLER
 - ⊗ 2'-6" OCTAGONAL LOOP, 4 TURN SERIES ("X" INDICATES LOOP TAG NUMBER)
 - ⊗ EXISTING 2'-6" OCTAGONAL LOOP, 4 TURN SERIES ("X" INDICATES LOOP TAG NUMBER)
 - ⊗ EXISTING SPAN MOUNT DISCONNECT HANGER
 - ⊗ EXISTING DETECTOR HOUSING
 - ← EXISTING 1-WAY, 3 SECTION (12" RED, AMBER, GREEN) SIGNAL INDICATION
 - ← EXISTING 1-WAY, 5 SECTION (12" RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW) SIGNAL INDICATION
 - ⊗ EXISTING PEDESTRAIN INDICATION
 - ⊗ EXISTING STEEL STRAIN POLE

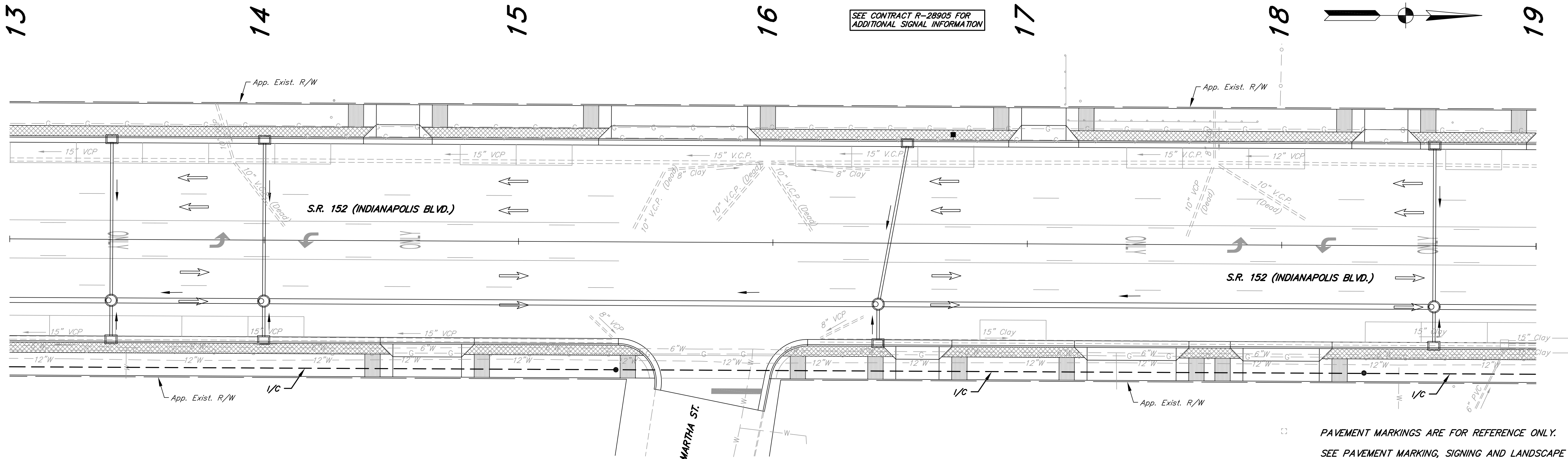
NOTE:

NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMP OR DRIVES.

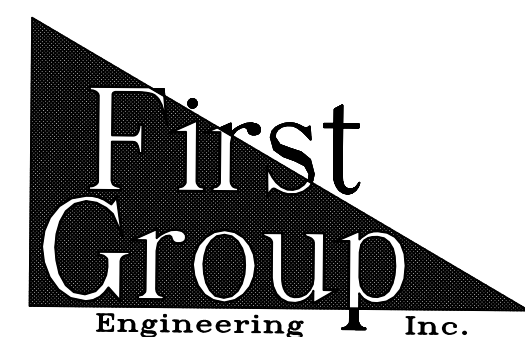


COMM. NO. 01-045-153

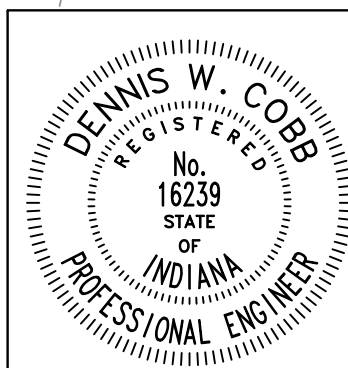
SEE CONTRACT R-28905 FOR ADDITIONAL SIGNAL INFORMATION



PAVEMENT MARKINGS ARE FOR REFERENCE ONLY.
SEE PAVEMENT MARKING, SIGNING AND LANDSCAPE SHEETS FOR DETAILS.



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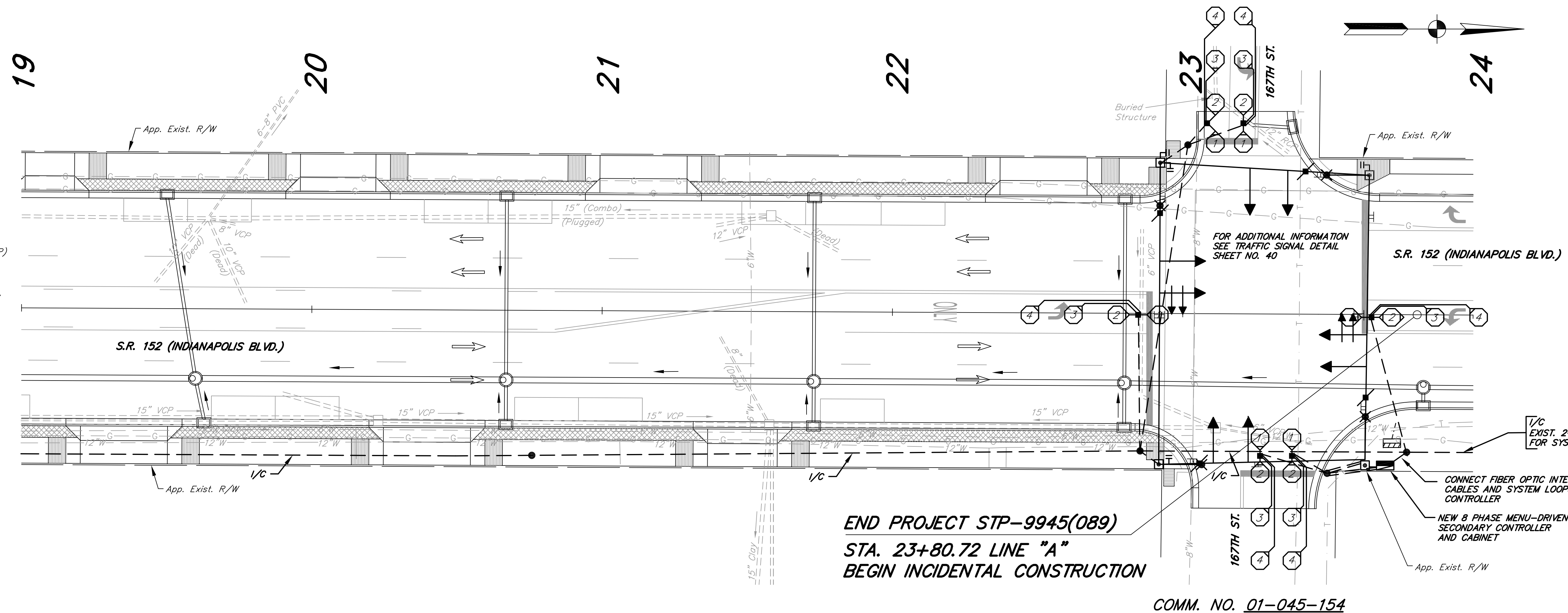


RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: T.F.S. DRAWN: D.F.S.
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INDIANA DEPARTMENT OF TRANSPORTATION
INTERCONNECTION SIGNAL DETAILS
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 41 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

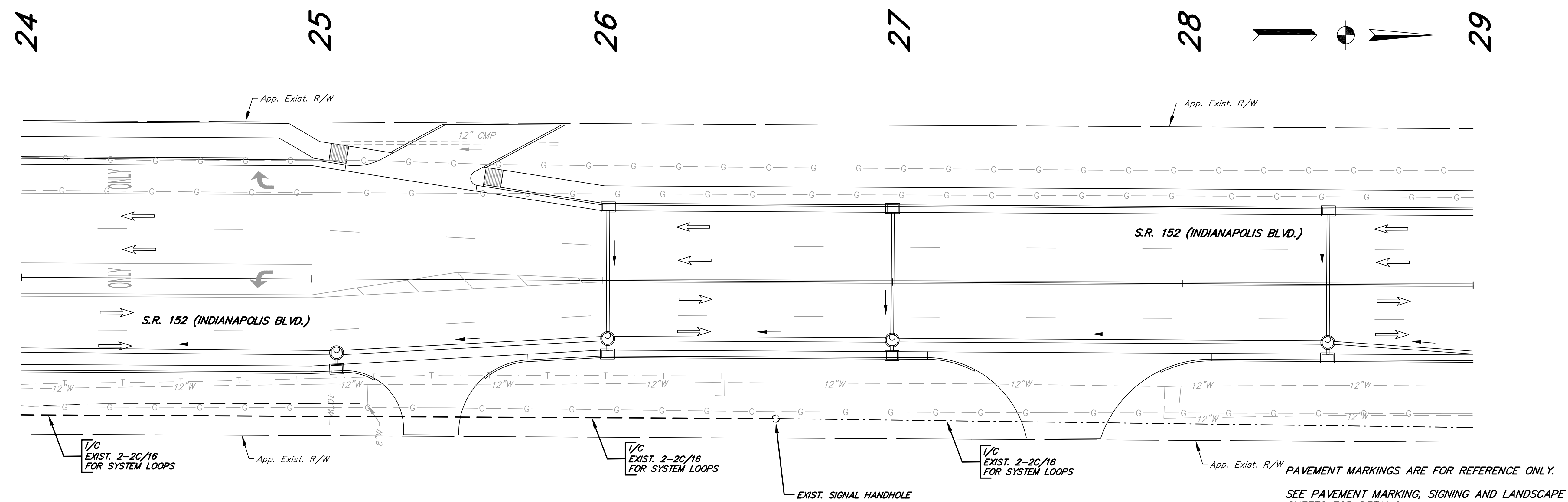


- LEGEND**
- 2" GALVANIZED STEEL CONDUIT
 - - - EXISTING CONDUIT
 - I/C FIBER OPTIC INTERCONNECT CABLE (6 OPTIC FIBERS MULTIMODE)
 - PROPOSED HANDHOLE (PROPOSED HANDHOLE SHALL NOT BE LOCATED IN SIDEWALK CURB RAMP)
 - EXISTING HANDHOLE
 - 8-PHASE SECONDARY MENU-DRIVEN CONTROLLER, CABINET & "P-1" FOUNDATION
 - ⊗ 2"-6" OCTAGONAL LOOP, 4 TURN SERIES ("X" INDICATES LOOP TAG NUMBER)
 - 1-WAY, 3-SECTION (12" RED, AMBER, GREEN) SIGNAL INDICATION
 - 1-WAY, 5-SECTION (12" RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW) SIGNAL INDICATION
 - ⊥ SPAN MOUNT DISCONNECT HANGER
 - SIGNAL HANDHOLE
 - DETECTOR HOUSING

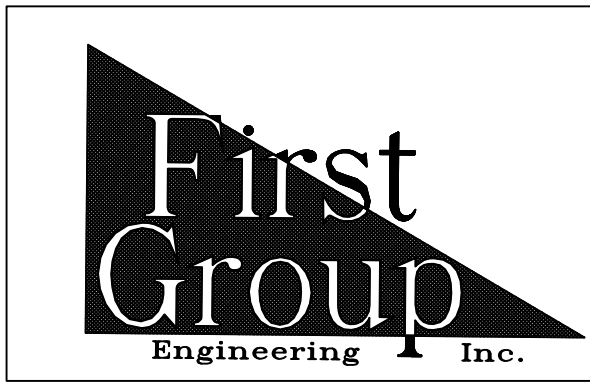
NOTE:
NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMPS OR DRIVES.

**END PROJECT STP-9945(089)
STA. 23+80.72 LINE "A"
BEGIN INCIDENTAL CONSTRUCTION**

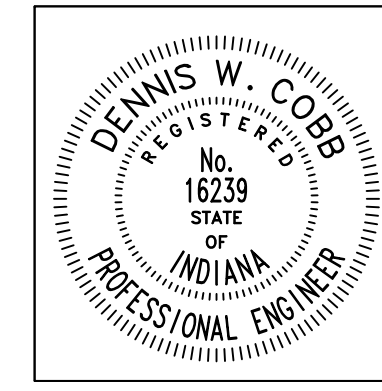
COMM. NO. 01-045-154



SEE PAVEMENT MARKING, SIGNING AND LANDSCAPE SHEETS FOR DETAILS.



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Phone (317) 290-9549



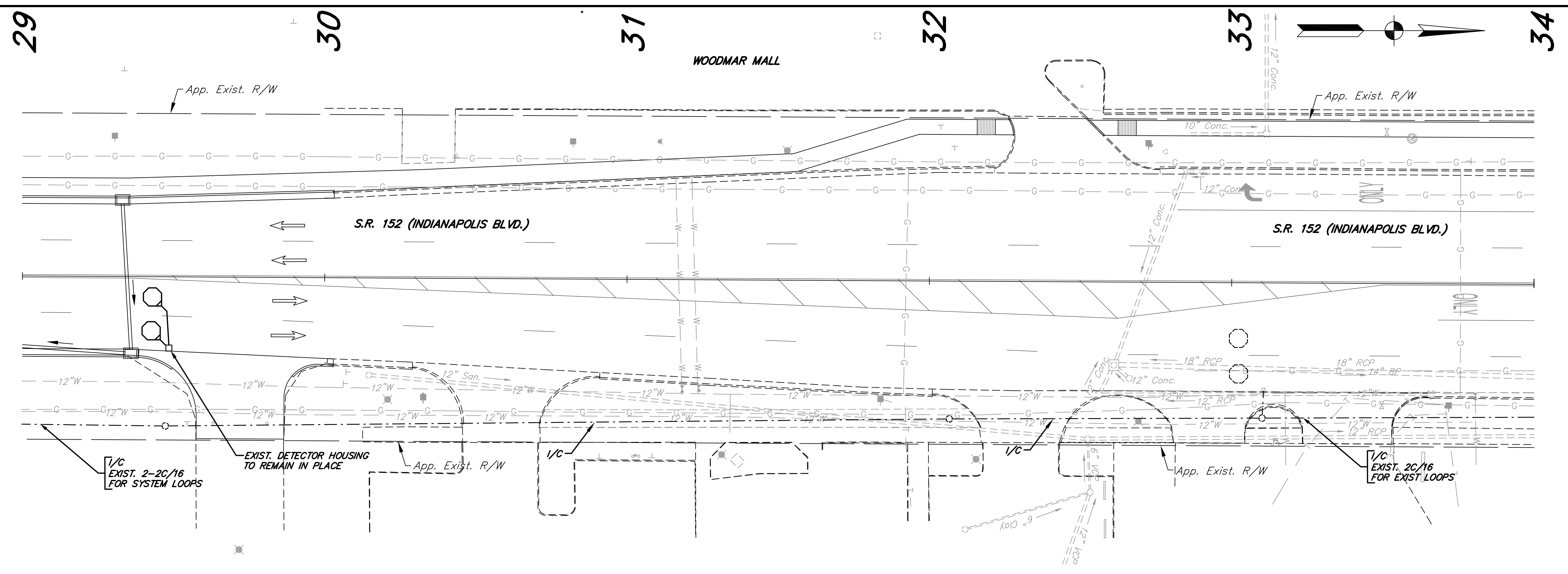
RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

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

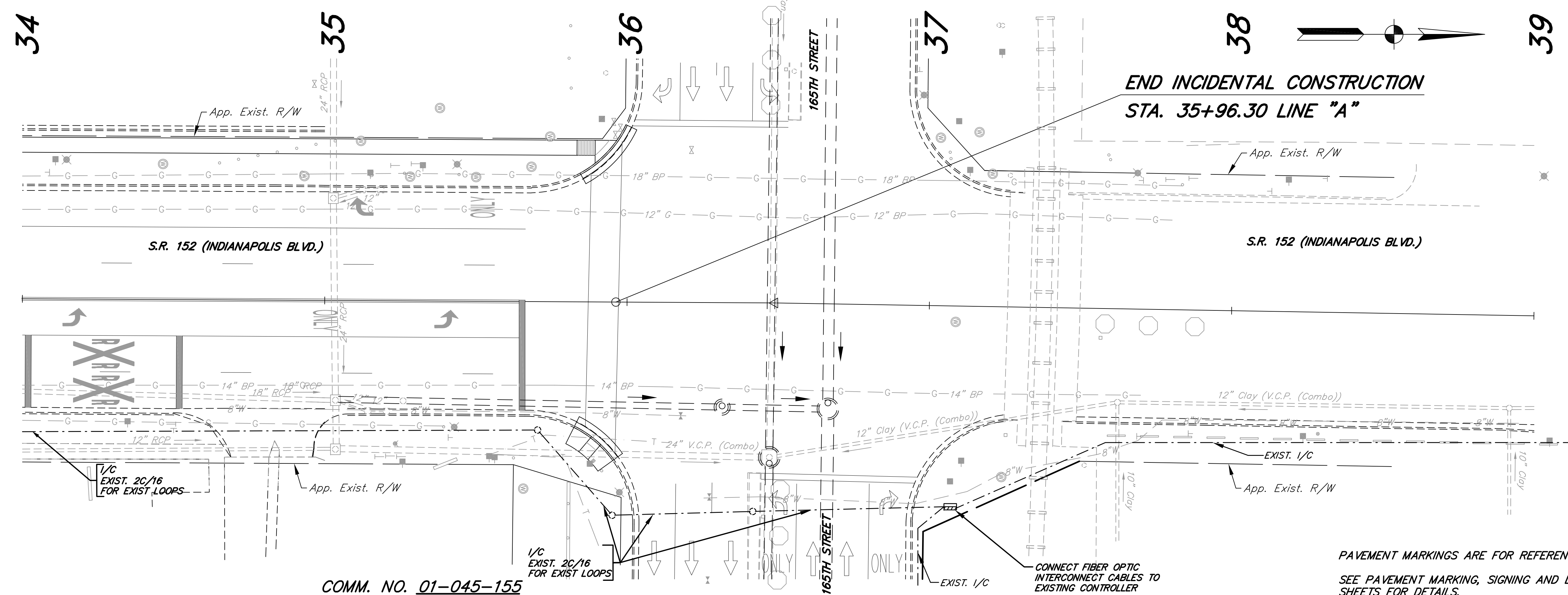
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECTION SIGNAL DETAILS
S.R. 152 (INDIANAPOLIS BLVD.)**

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 42 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

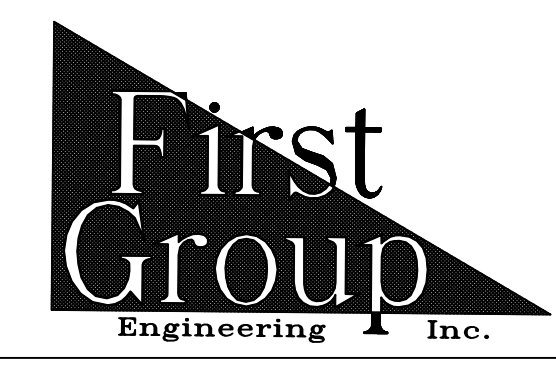


- LEGEND**
- EXISTING CONDUIT
 - I/C FIBER OPTIC INTERCONNECT CABLE (6 OPTIC FIBERS MULTIMODE)
 - EXIST. I/C EXISTING FIBER OPTIC INTERCONNECT CABLE
 - EXISTING HANDHOLE
 - ▭ EXISTING MENU-DRIVEN CONTROLLER, CABINET & FOUNDATION (BY OTHERS)
 - 2"-6" OCTAGONAL LOOP, 4 TURN SERIES TO BE REPLACED AT EXIST. LOCATION
 - EXISTING 2"-6" OCTAGONAL LOOP
- NOTE:**
- NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMPS OR DRIVES.

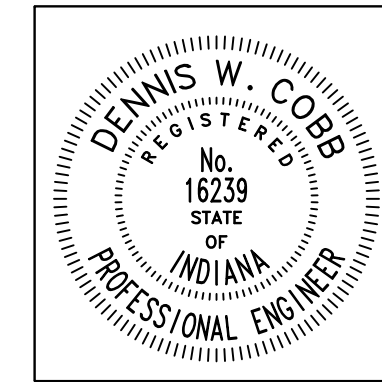


COMM. NO. 01-045-155

PAVEMENT MARKINGS ARE FOR REFERENCE ONLY.
SEE PAVEMENT MARKING, SIGNING AND LANDSCAPE SHEETS FOR DETAILS.



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Indianapolis, Indiana 46278
Phone (317) 290-9549



RECOMMENDED FOR APPROVAL: *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

INTERCONNECTION SIGNAL DETAILS
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 43 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

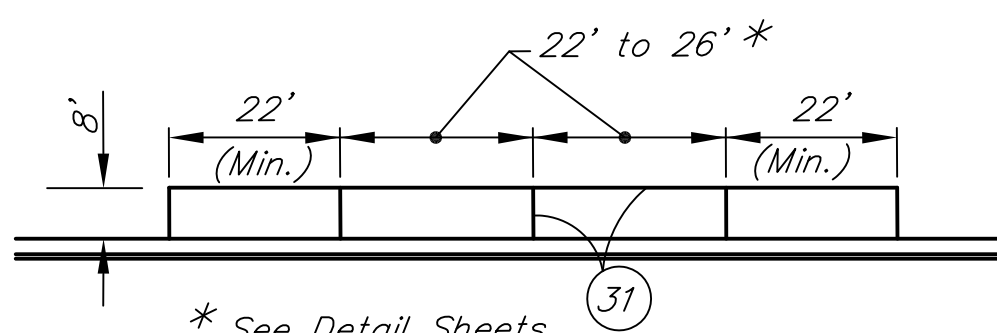
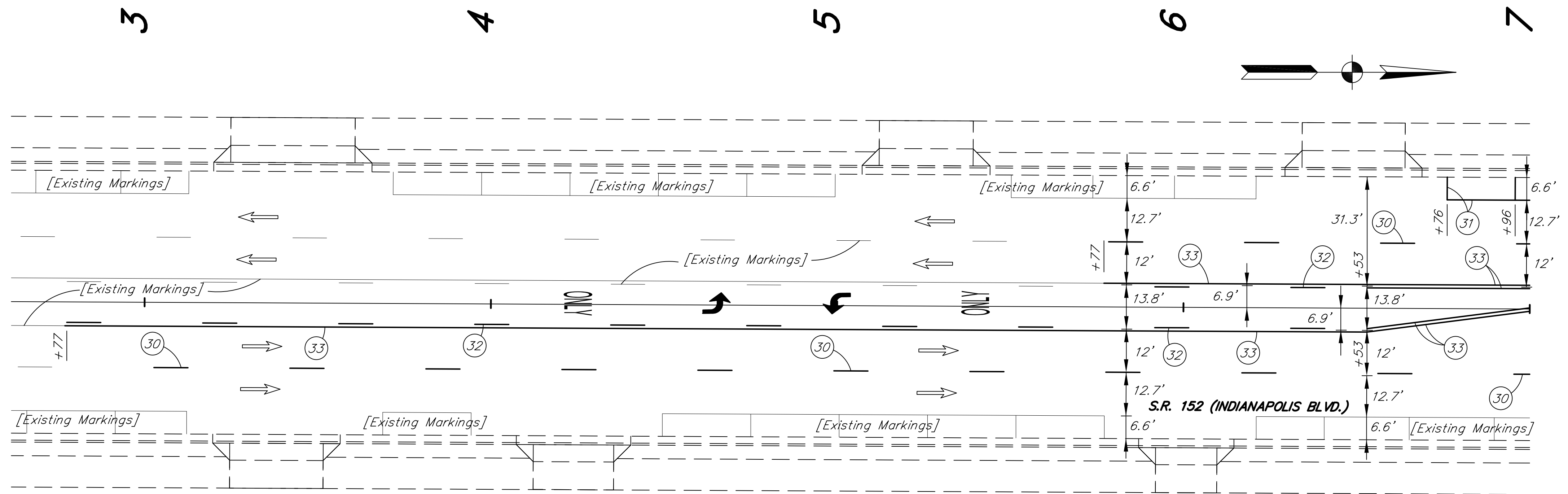
PAVEMENT MARKING LEGEND

- 30 LINE, THERMOPLASTIC, BROKEN, WHITE, 4" (10' Line 30' Space)
- 31 LINE, THERMOPLASTIC, SOLID, WHITE, 4"
- 32 LINE, THERMOPLASTIC, BROKEN, YELLOW, 4" (10' Line 30' Space)
- 33 LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
- 34 LINE, THERMOPLASTIC, SOLID, YELLOW, 8"
- 40 TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK LINE, 6"
- 41 TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, 24"
- 42 TRANSVERSE MARKINGS, THERMOPLASTIC, SOLID, YELLOW, CROSSHATCH LINE, 12" (45° ANGLES, 20' APART)

← PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, LANE INDICATION ARROW

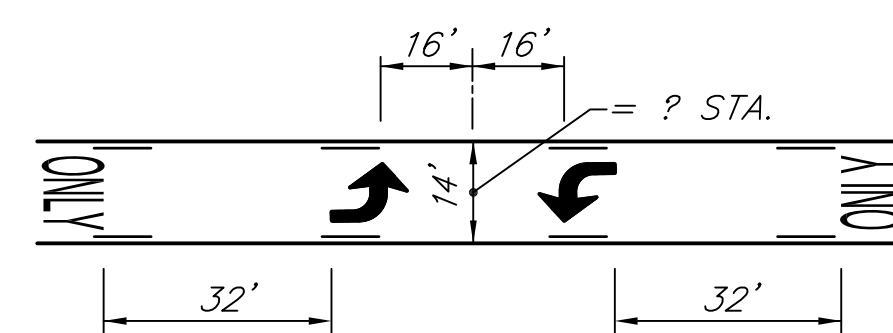
ONLY PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, WORD (ONLY)

RxR PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, RAILROAD CROSSING "RxR"

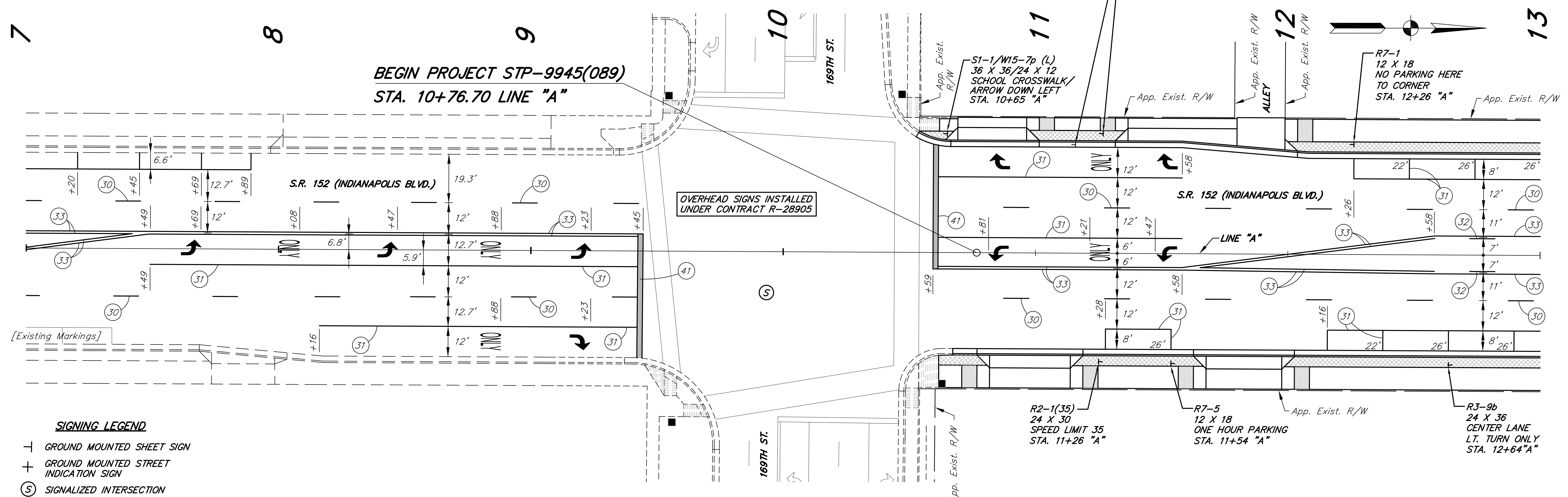


* See Detail Sheets For Lengths

PARALLEL PARKING DETAIL
NOT TO SCALE



TYPICAL TWO-WAY LEFT-TURN LANE MARKINGS
NOT TO SCALE

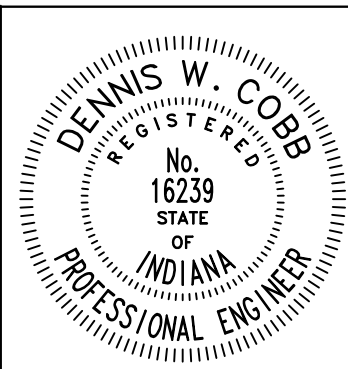


SIGNING LEGEND

- + GROUND MOUNTED SHEET SIGN
- + GROUND MOUNTED STREET INDICATION SIGN
- Ⓢ SIGNALIZED INTERSECTION

NOTES:

1. ALL EXISTING ROADWAY SHEET SIGNS AND SHEET SIGN SUPPORTS WITHIN THE RIGHT-OF-WAY ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED.



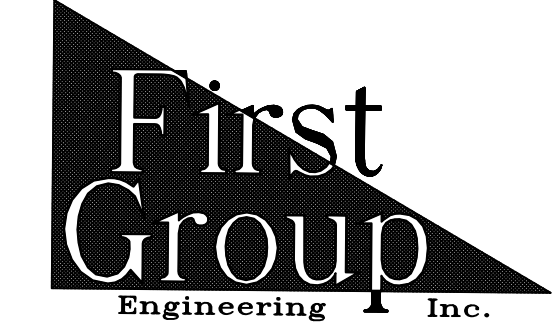
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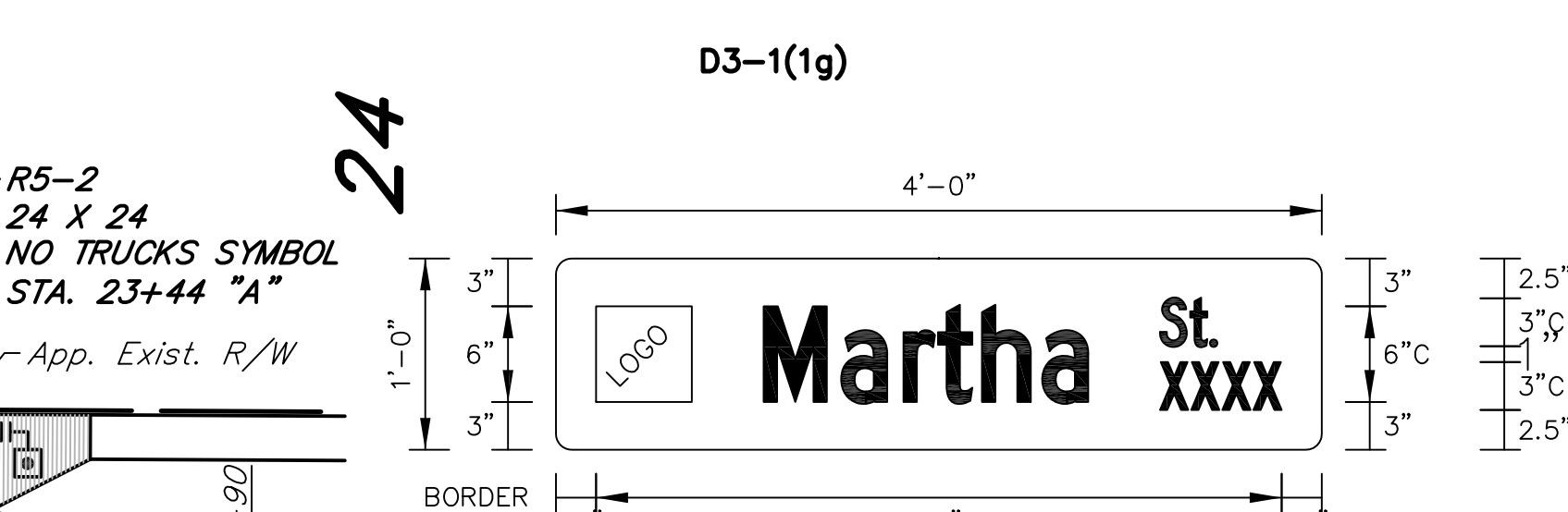
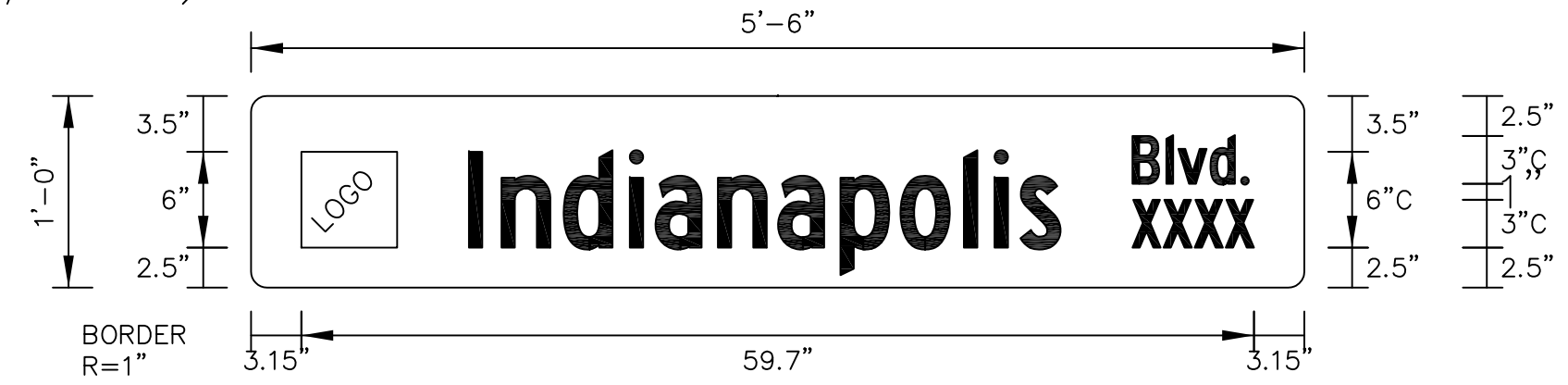
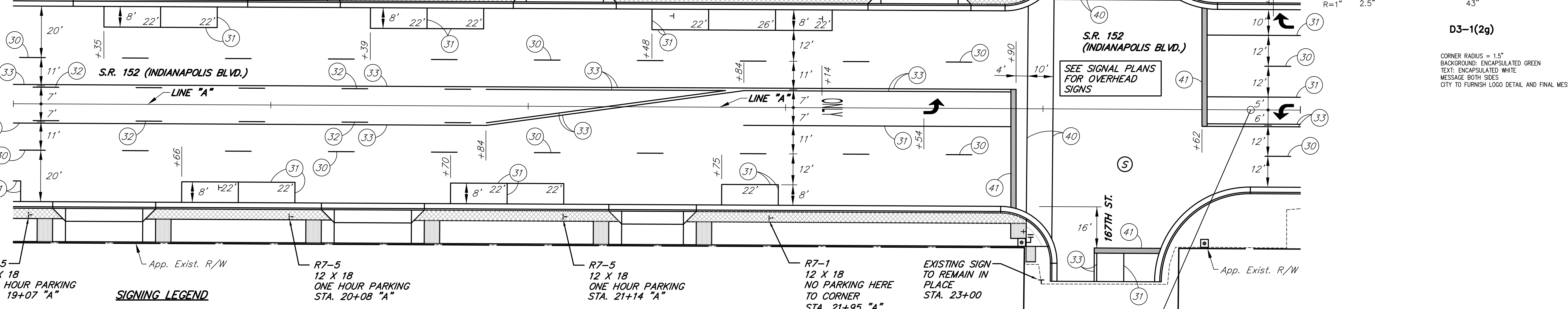
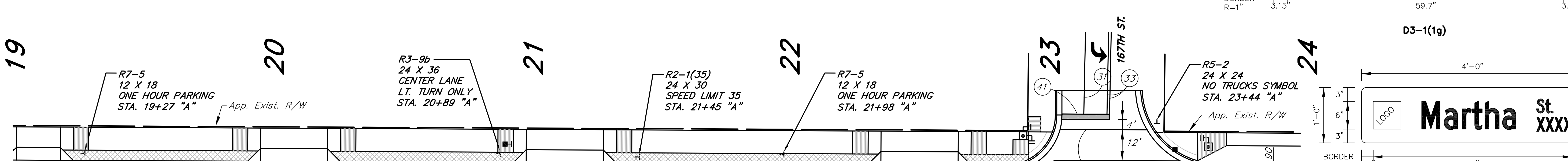
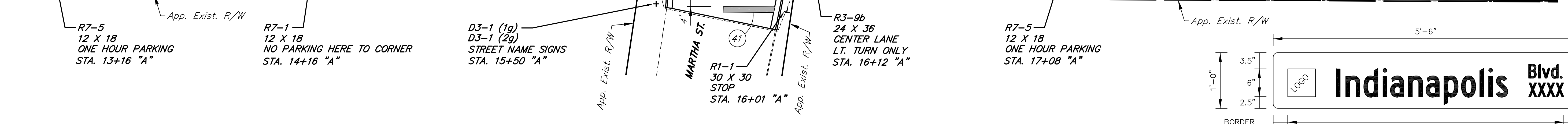
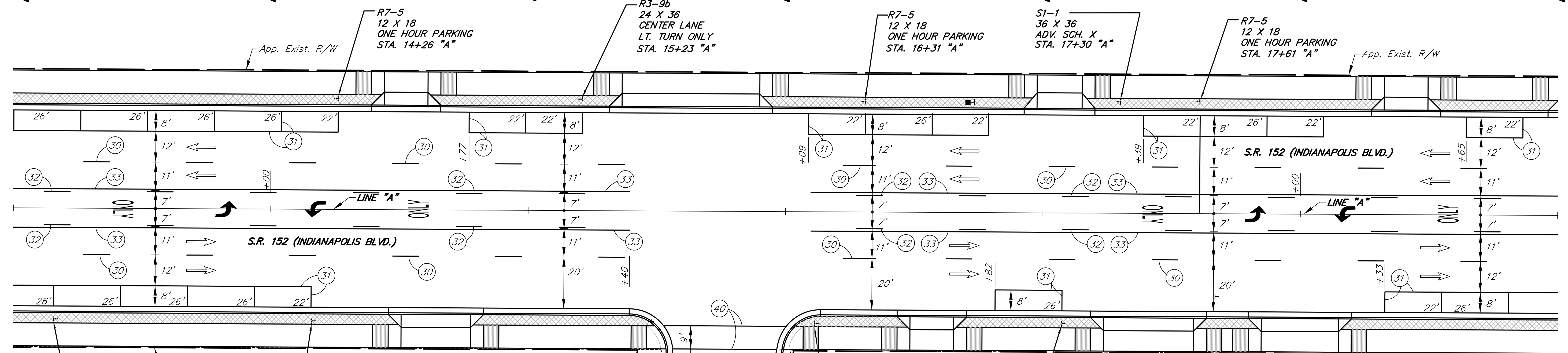
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS, SIGNING AND LANDSCAPE DETAILS
S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 44 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



5925 Lakeside Blvd.
Indianapolis, Indiana 46278
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D3-1(2g)
 CORNER RADIUS = 1.5"
 BACKGROUND: ENCAPSULATED GREEN
 TEXT: ENCAPSULATED WHITE
 MESSAGE BOTH SIDES
 CITY TO FURNISH LOGO DETAIL AND FINAL MESSAGE

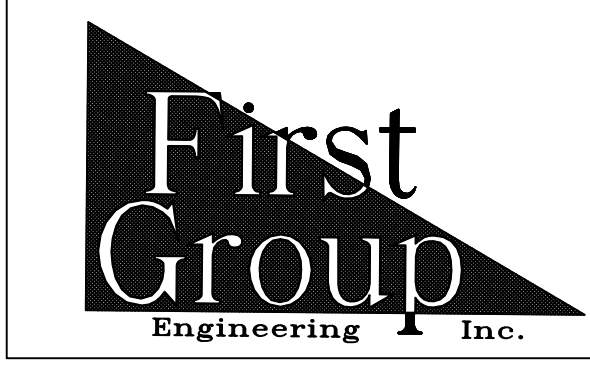
- SIGNING LEGEND**
- ⊥ GROUND MOUNTED SHEET SIGN
 - ⊕ GROUND MOUNTED STREET INDICATION SIGN
 - ⊙ SIGNALIZED INTERSECTION

NOTES:

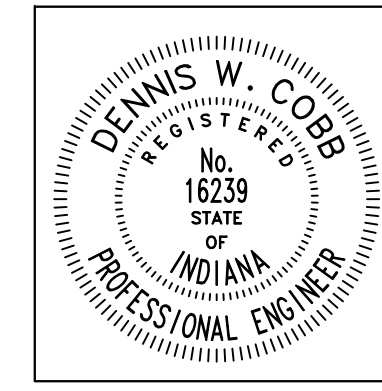
- ALL EXISTING ROADWAY SHEET SIGNS AND SHEET SIGN SUPPORTS WITHIN THE RIGHT-OF-WAY ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED.

END PROJECT STP-9945(089)
STA. 23+80.72 LINE "A"
BEGIN INCIDENTAL CONSTRUCTION

FOR PAVEMENT MARKING LEGEND SEE SHEET NO. 44



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



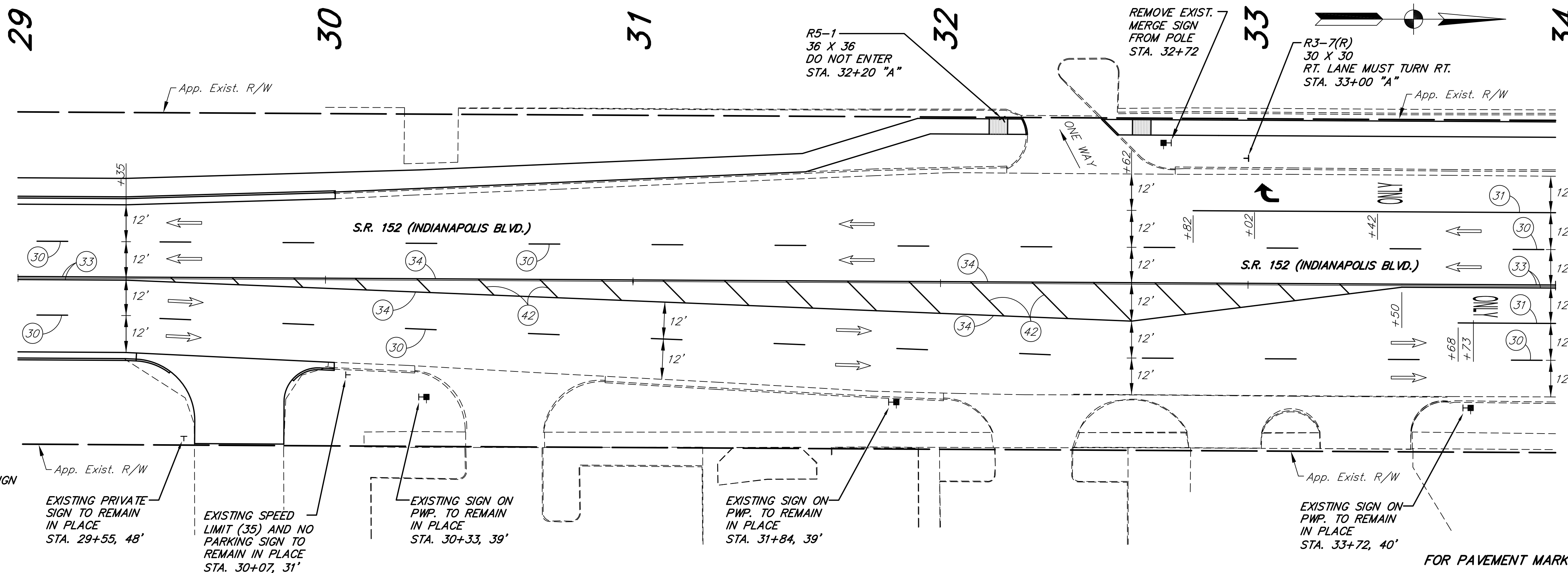
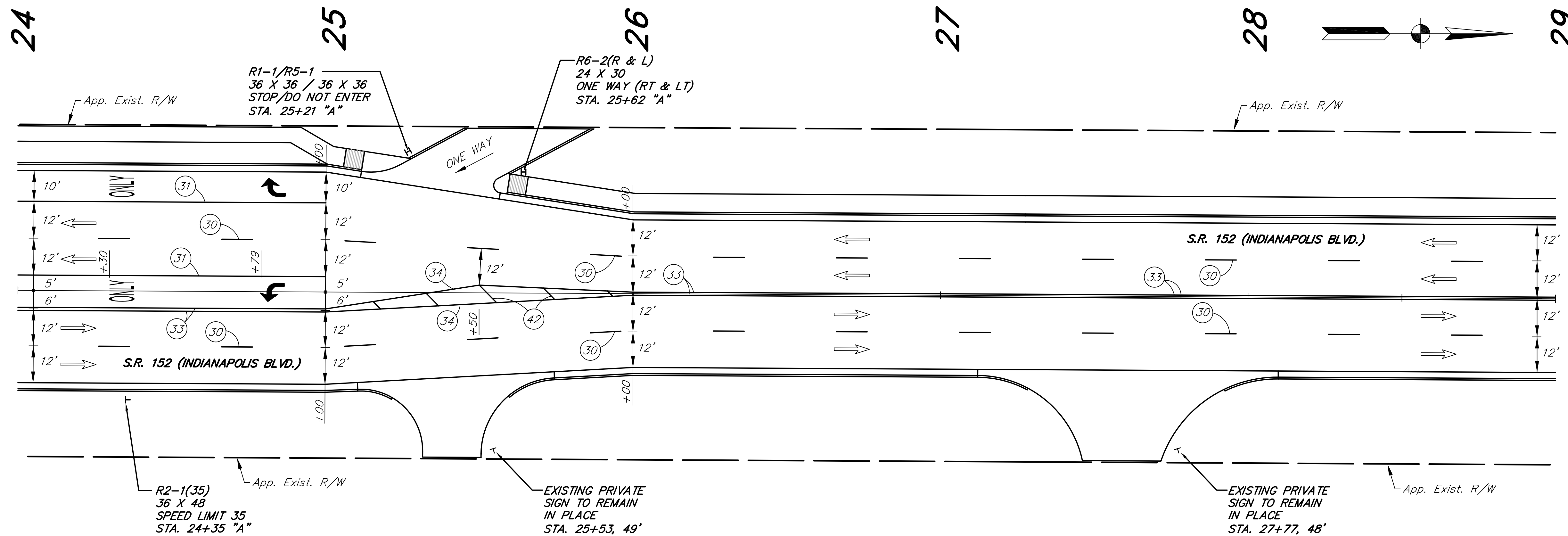
RECOMMENDED FOR APPROVAL: *Dennis W. Cobb* 6/8/2012
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DESIGNED: T.F.S. DRAWN: D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: T.F.S./D.W.C.

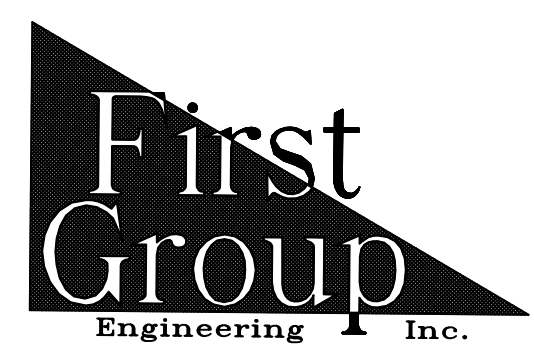
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS, SIGNING AND LANDSCAPE DETAILS
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 45 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



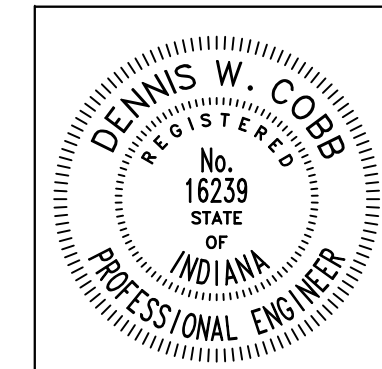
FOR PAVEMENT MARKING LEGEND SEE SHEET NO. 44



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

NOTES:

- ALL EXISTING ROADWAY SHEET SIGNS AND SHEET SIGN SUPPORTS WITHIN THE RIGHT-OF-WAY ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED.



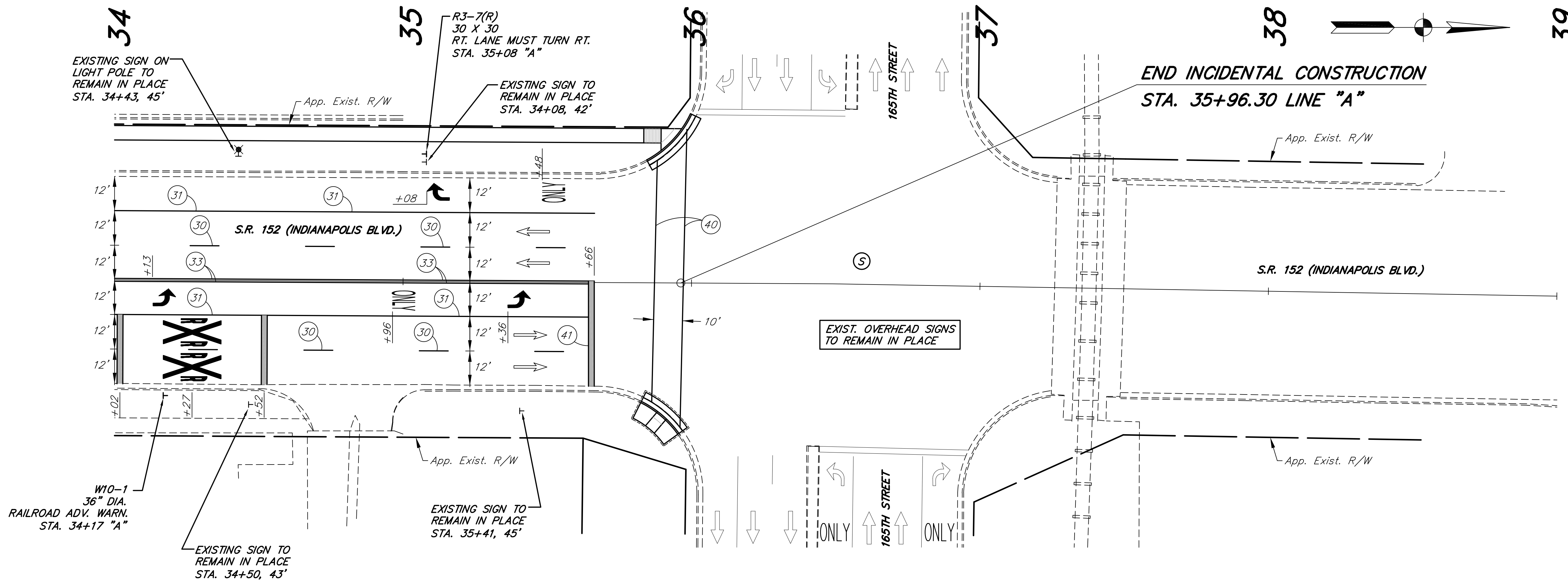
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INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS, SIGNING AND LANDSCAPE DETAILS
 S.R. 152 (INDIANAPOLIS BLVD.)

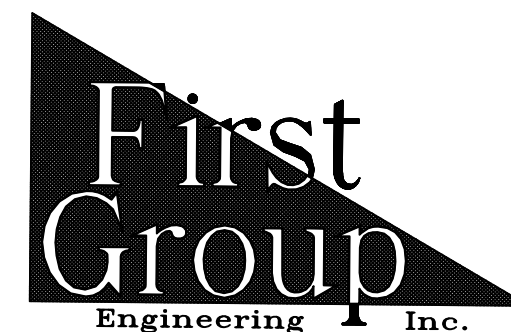
HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 46 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



SIGNING LEGEND

- ⊥ GROUND MOUNTED SHEET SIGN
- + GROUND MOUNTED STREET INDICATION SIGN
- Ⓢ SIGNALIZED INTERSECTION

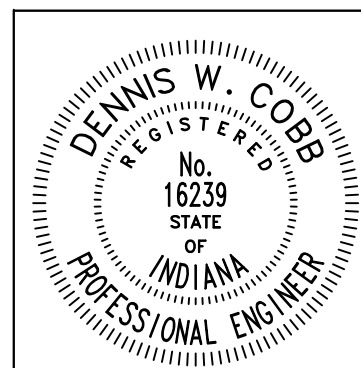
FOR PAVEMENT MARKING LEGEND SEE SHEET NO. 44



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

NOTES:

1. ALL EXISTING ROADWAY SHEET SIGNS AND SHEET SIGN SUPPORTS WITHIN THE RIGHT-OF-WAY ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED.




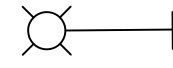







RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
 DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKINGS, SIGNING AND LANDSCAPE DETAILS
 S.R. 152 (INDIANAPOLIS BLVD.)

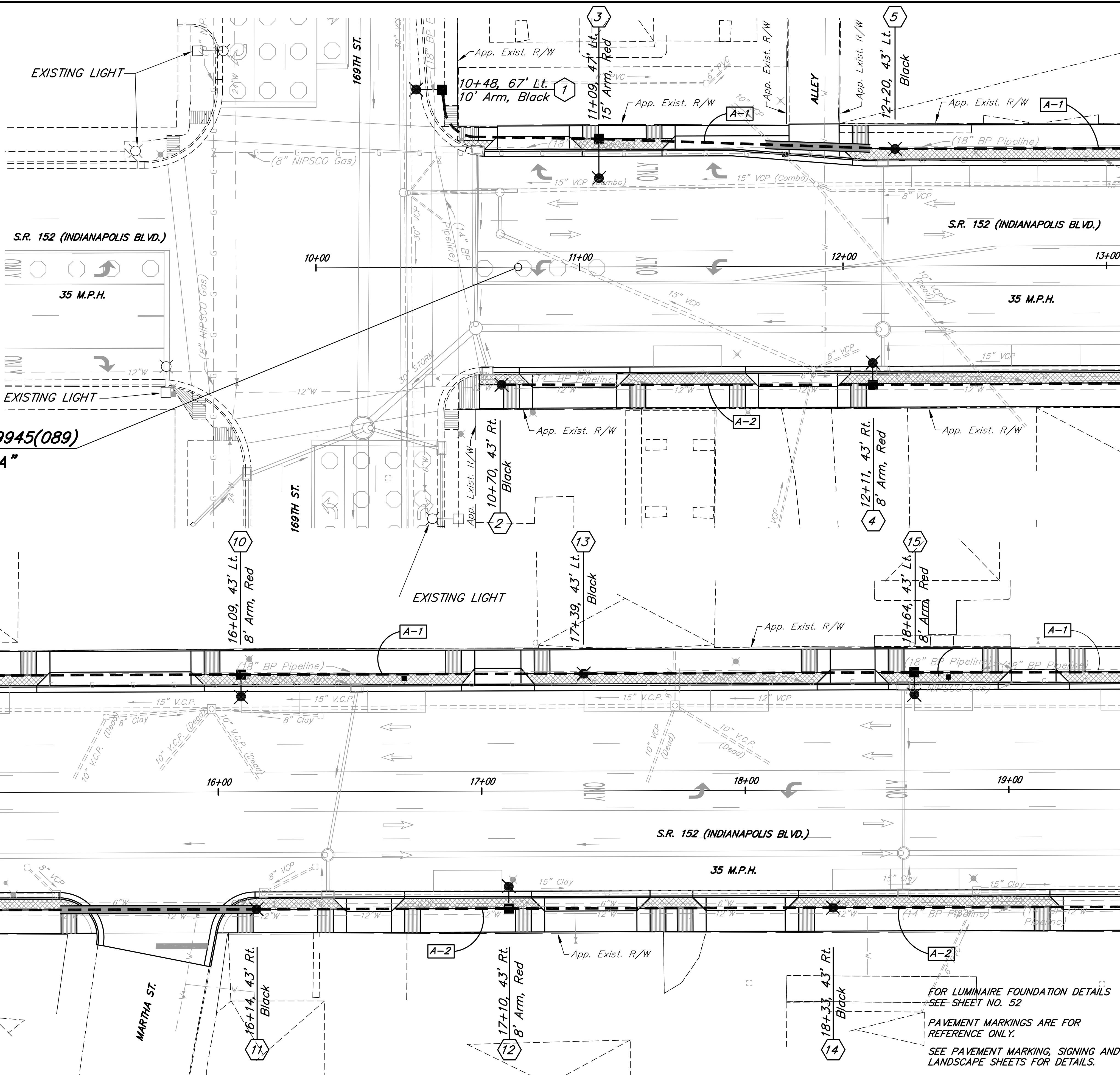
HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 47 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

LEGEND

-  250W HPS LUMINAIRE 30 FOOT EMH 3' DIA. X 8' FOUNDATION REQ'D. SEE TABLE FOR MAST ARM LENGTH.
-  EXIST. H.P.S. LIGHT & POLE TO REMAIN IN PLACE
-  150W HPS DECORATIVE LUMINAIRE, 14 FT. M.H., 20" DIA. X 6' FOUNDATION REQ'D.
-  HANDHOLE, LIGHTING
-  WIRE, NO.4, COPPER, 4-1/C IN 2" CONDUIT. (GALVANIZED STEEL CONDUIT REQUIRED UNDER PUBLIC STREETS AND ALLEYS)
-  WIRE, NO.4, COPPER, 4-1/C IN 2" PVC CONDUIT REQ'D. UNDER PAVED UTILITY STRIP, SIDEWALKS AND DRIVES. STA. 10+48 TO 23+60 LT. STA. 10+70 TO 23+60 RT.
-  WIRE, NO.4, COPPER, 4-1/C IN PLASTIC DUCT, IN TRENCH STA. 23+60 TO 23+79 LT. STA. 23+60 TO 34+05 RT. (CONDUIT REQ'D UNDER ALL DRIVES)
-  LIGHTING CIRCUIT NUMBER
-  SERVICE POINT TYPE 2, 120V/240V

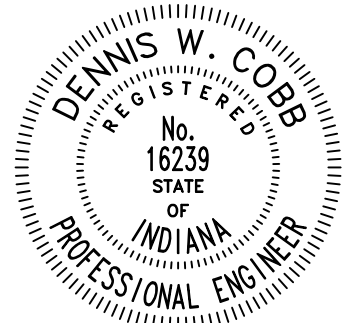
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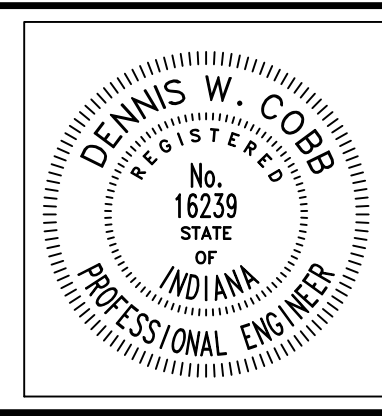
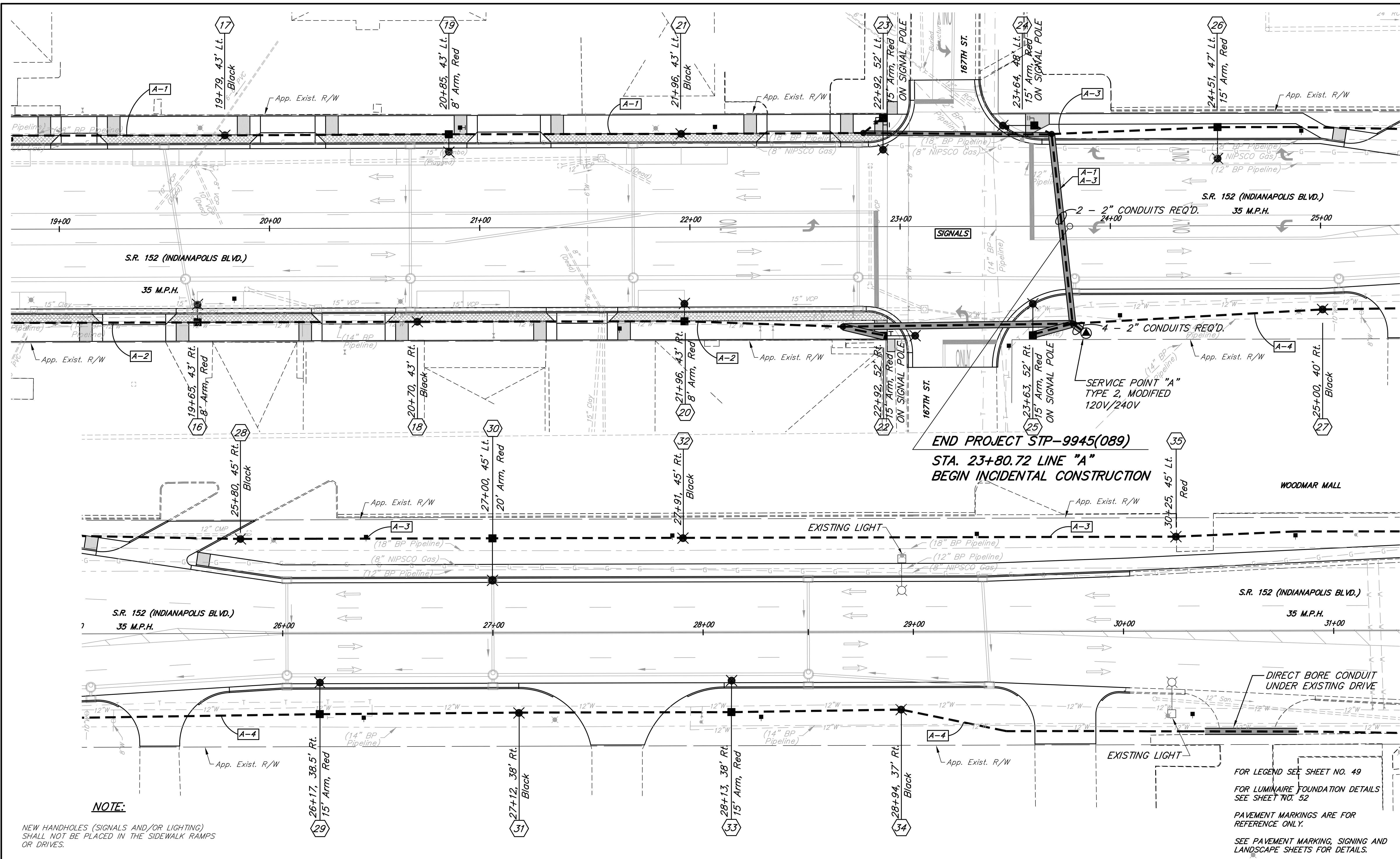
- EXIST. HIGH PRESSURE SODIUM LUMINAIRES FROM STA. 30+00 TO 165TH ST. TO REMAIN IN PLACE.
- ALL EXIST. LOW PRESSURE SODIUM LUMINAIRES AND POLES TO BE REMOVED. FOUNDATIONS TO BE REMOVED ACCORDING TO INDOT SPECIFICATIONS.
- EXIST. POLES AND MAST ARMS REMOVED TO BE DELIVERED TO THE CITY AS DIRECTED.
- THE EXISTING CONCRETE WALKS AND DRIVES ARE NOT TO BE DISTURBED WITHIN THE INCIDENTAL CONSTRUCTION AREA.
- STORM SEWERS AND PAVEMENT MARKINGS SHOWN ARE FOR REFERENCE ONLY
- NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMPS OR DRIVES.



**BEGIN PROJECT STP-9945(089)
STA. 10+76.70 LINE "A"**

FOR LUMINAIRE FOUNDATION DETAILS SEE SHEET NO. 52
PAVEMENT MARKINGS ARE FOR REFERENCE ONLY.
SEE PAVEMENT MARKING, SIGNING AND LANDSCAPE SHEETS FOR DETAILS.

	RECOMMENDED FOR APPROVAL	<i>Dennis W. Cobb</i>	6/8/2012	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
	DESIGNED: T.F.S.	DRAWN: T.F.S. / WT	DATE		DESIGNATION 0401043 & 1005297	
CHECKED: L.C.S./D.W.C.	CHECKED: T.F.S./D.W.C.	LIGHTING PLANS S.R. 152 (INDIANAPOLIS BLVD.)		SURVEY BOOK	SHEETS 49 of 80	
				CONTRACT R28972	PROJECT STP-9945 (089)	



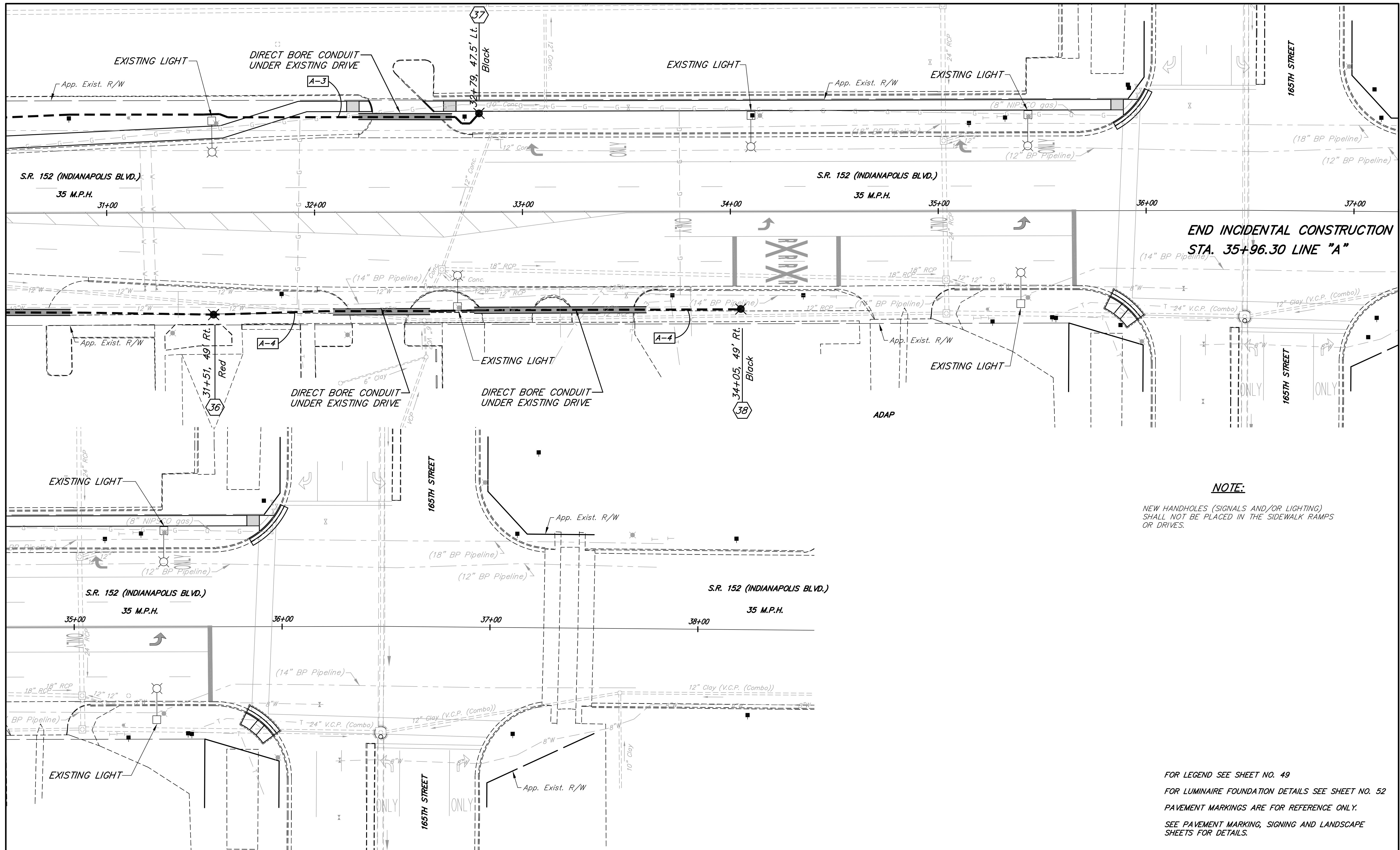
RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: T.F.S. DRAWN: T.F.S./WT
CHECKED: L.C.S./D.W.C. CHECKED: T.F.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
S.R. 152 (INDIANAPOLIS BLVD.)

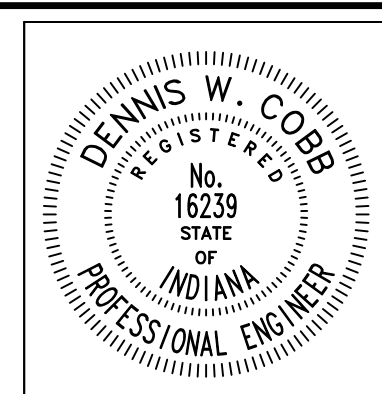
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 50 of 80
CONTRACT R28972	PROJECT STP-9945 (089)



NOTE:

NEW HANDHOLES (SIGNALS AND/OR LIGHTING) SHALL NOT BE PLACED IN THE SIDEWALK RAMPS OR DRIVES.

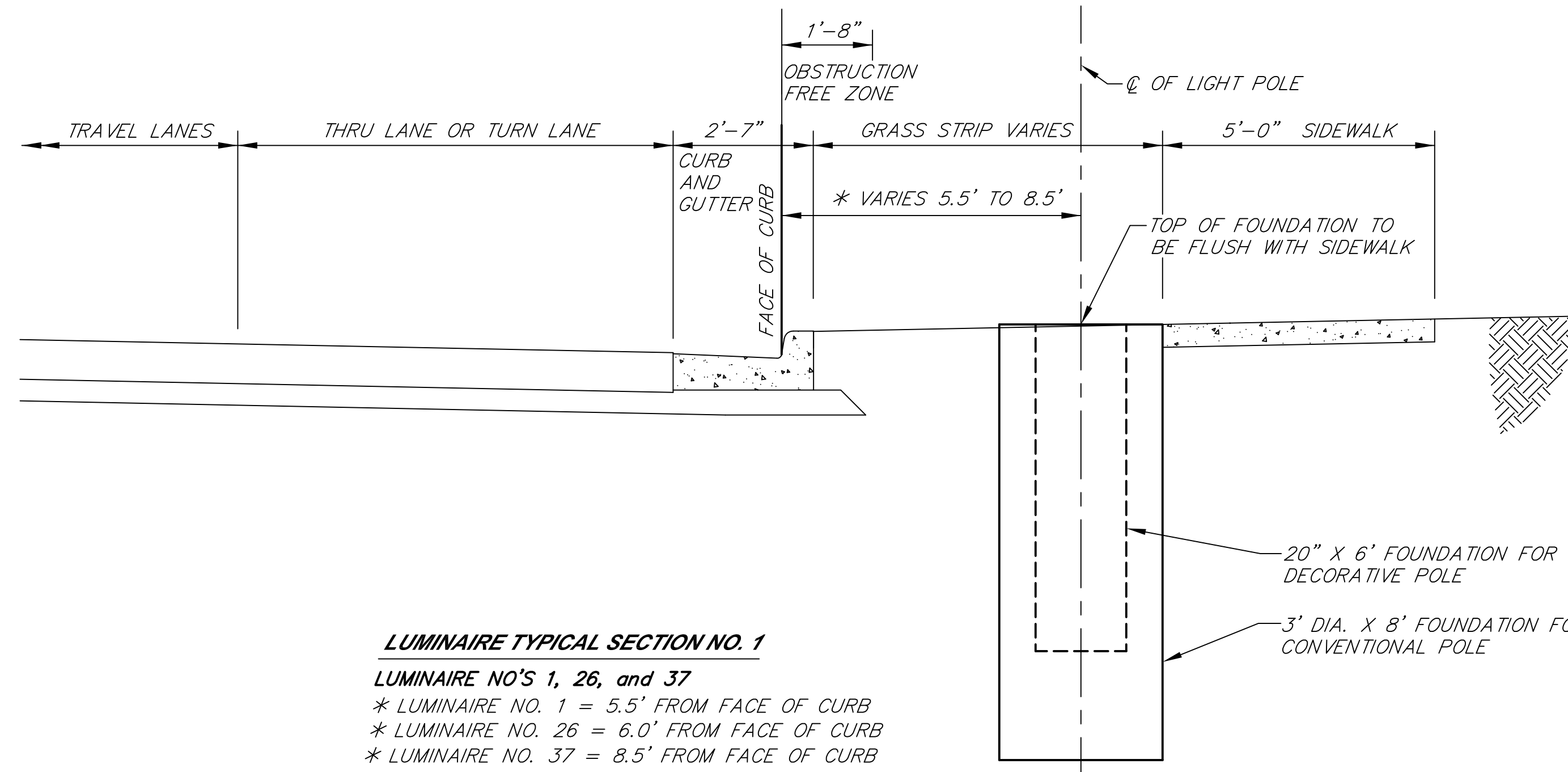
FOR LEGEND SEE SHEET NO. 49
 FOR LUMINAIRE FOUNDATION DETAILS SEE SHEET NO. 52
 PAVEMENT MARKINGS ARE FOR REFERENCE ONLY.
 SEE PAVEMENT MARKING, SIGNING AND LANDSCAPE SHEETS FOR DETAILS.



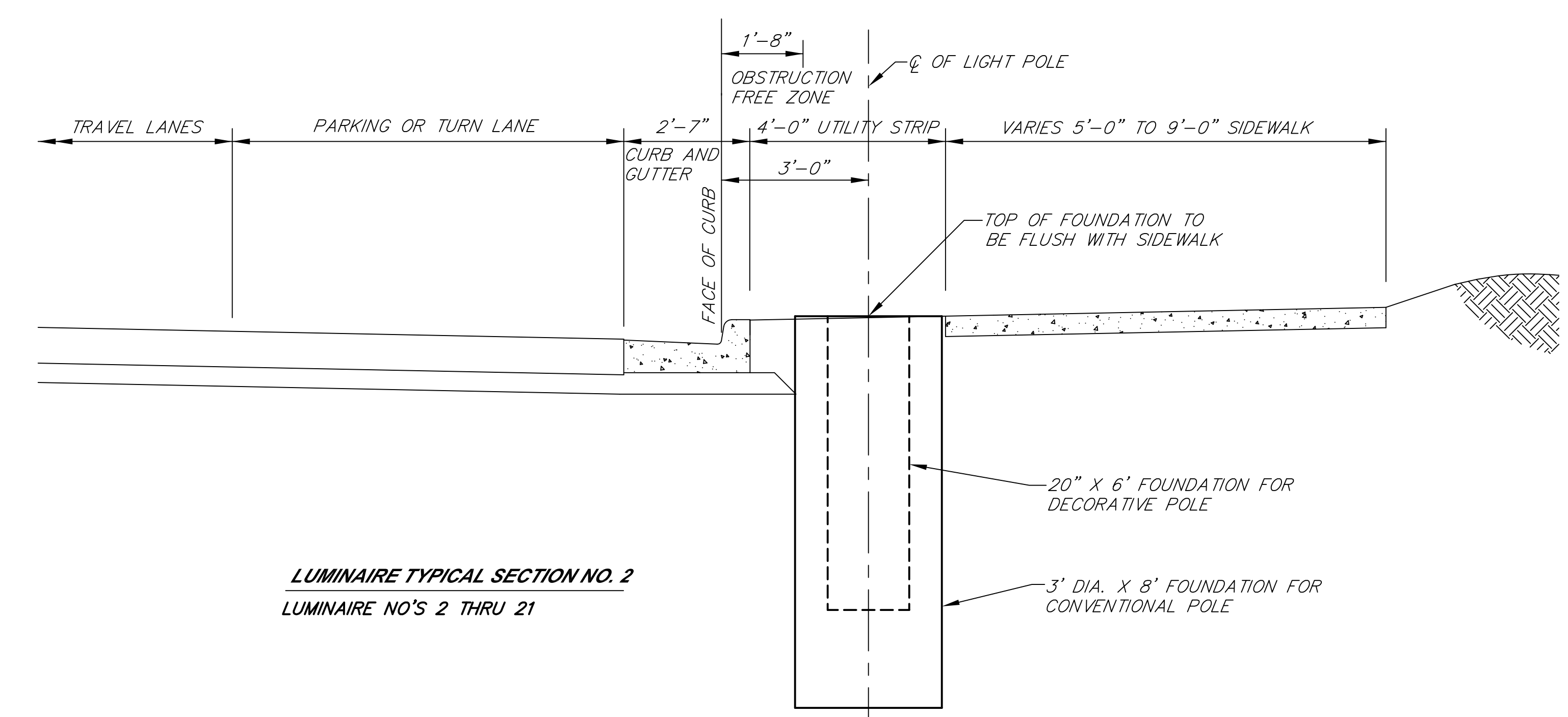
RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
 DESIGN ENGINEER DATE
 DESIGNED: T.F.S. DRAWN: T.F.S./WT
 CHECKED: L.C.S./D.W.C. CHECKED: T.F.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION
LIGHTING PLANS
S.R. 152 (INDIANAPOLIS BLVD.)

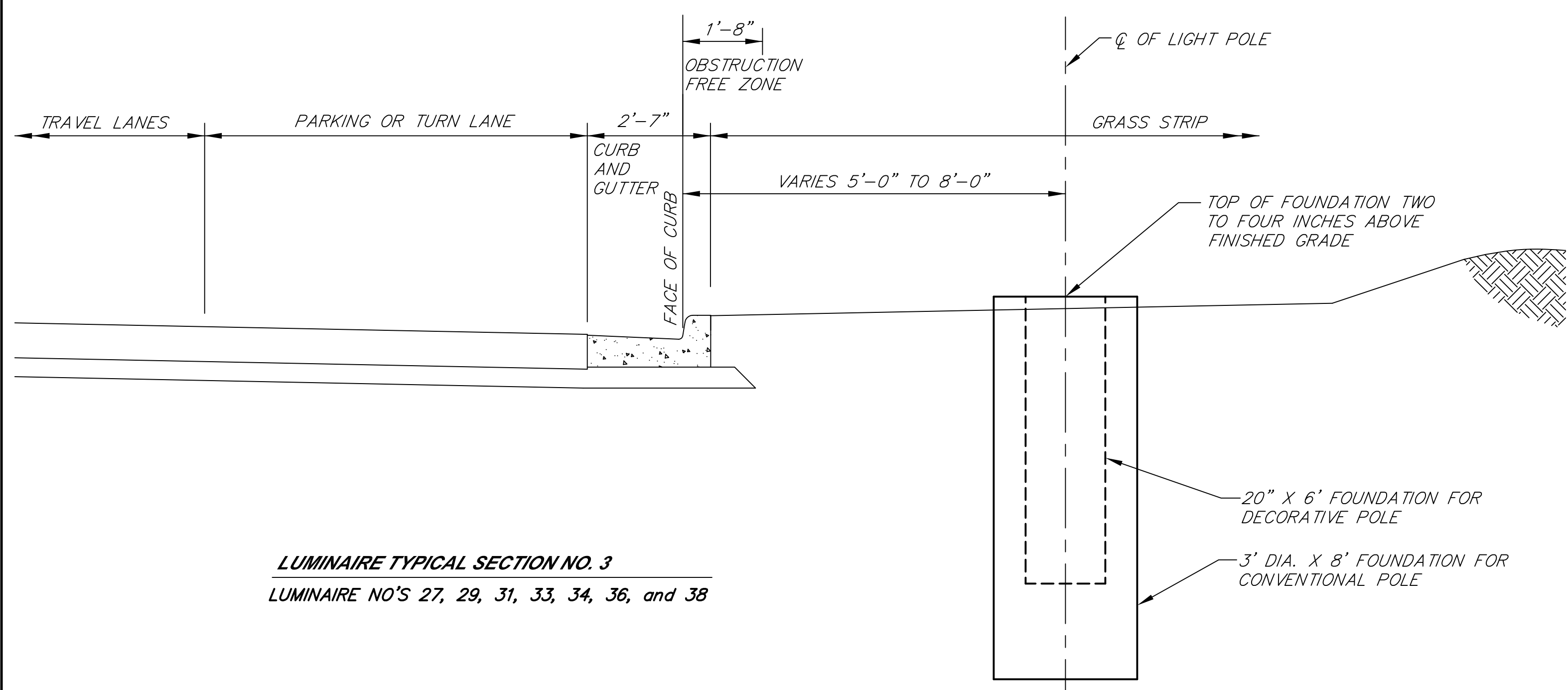
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	51 of 80
CONTRACT	PROJECT
R28972	STP-9945 (089)



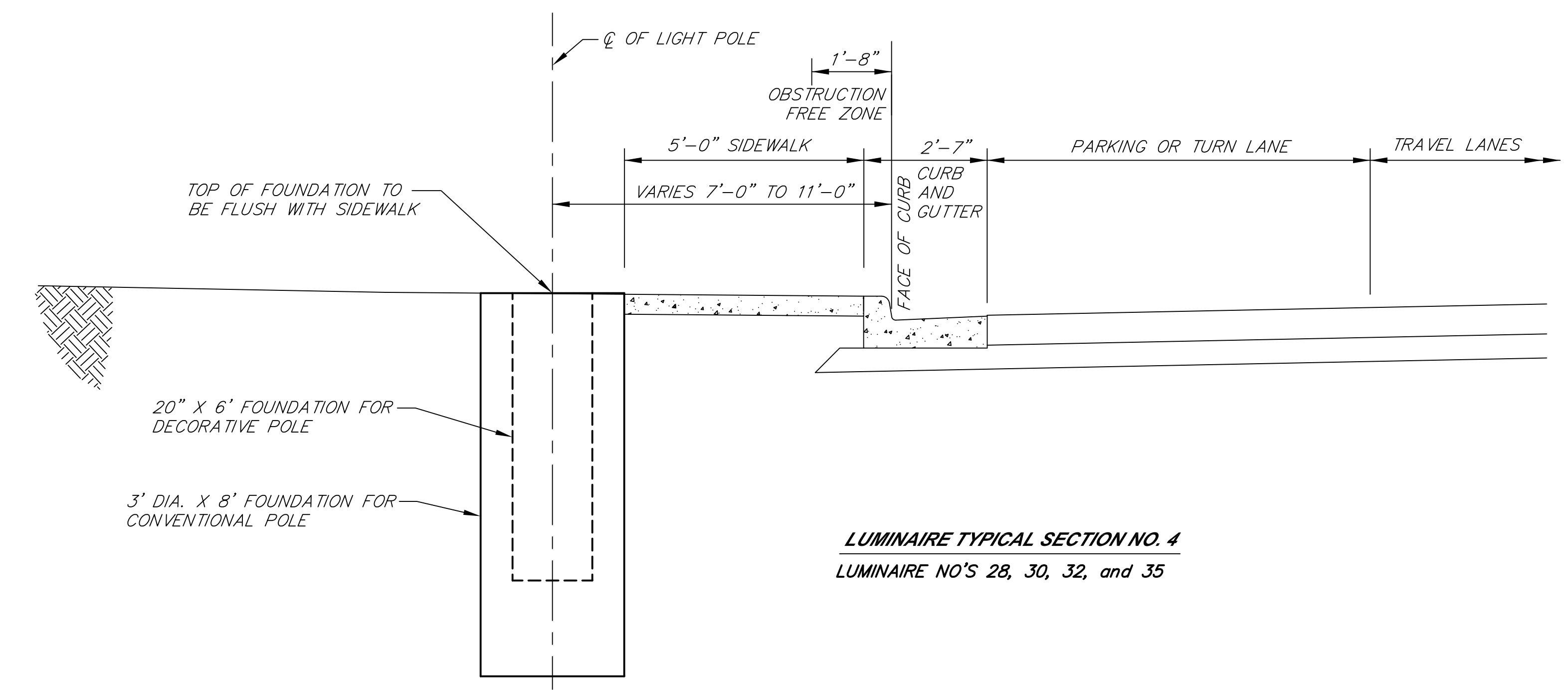
LUMINAIRE TYPICAL SECTION NO. 1
 LUMINAIRE NO'S 1, 26, and 37
 * LUMINAIRE NO. 1 = 5.5' FROM FACE OF CURB
 * LUMINAIRE NO. 26 = 6.0' FROM FACE OF CURB
 * LUMINAIRE NO. 37 = 8.5' FROM FACE OF CURB



LUMINAIRE TYPICAL SECTION NO. 2
 LUMINAIRE NO'S 2 THRU 21

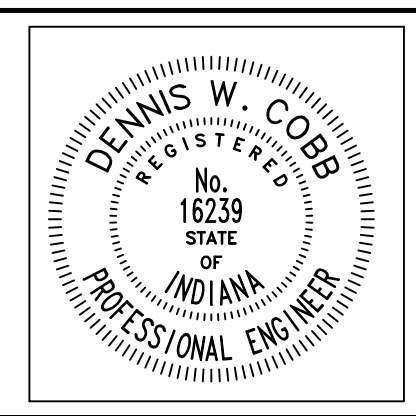


LUMINAIRE TYPICAL SECTION NO. 3
 LUMINAIRE NO'S 27, 29, 31, 33, 34, 36, and 38



LUMINAIRE TYPICAL SECTION NO. 4
 LUMINAIRE NO'S 28, 30, 32, and 35

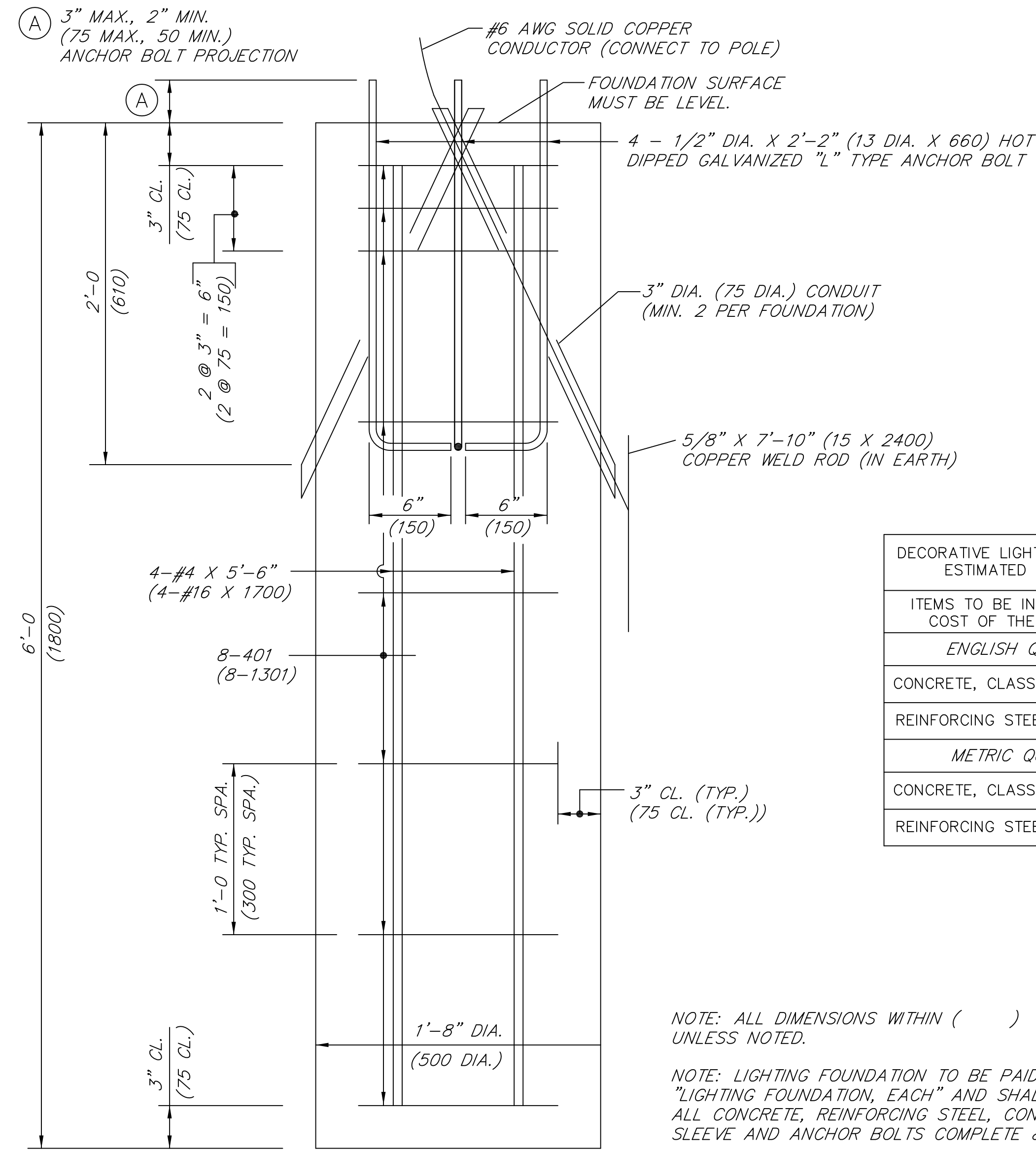
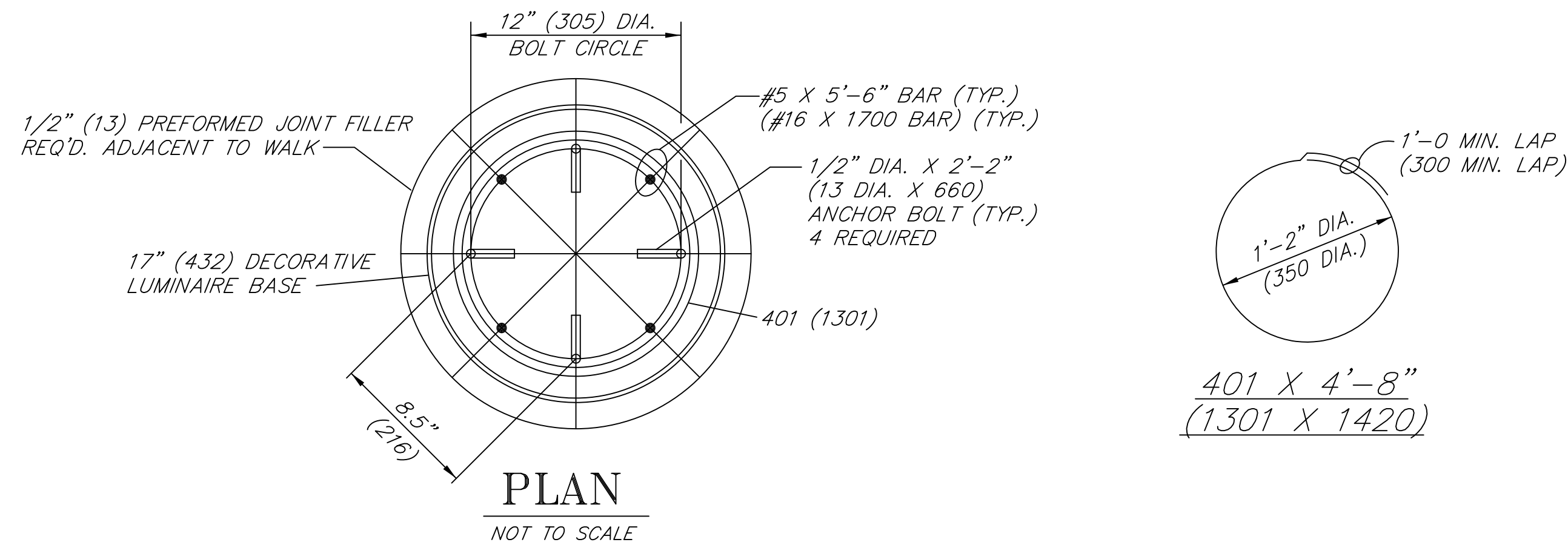
NOTE: SEE ROAD CROSS SECTIONS FOR ADDITIONAL INFORMATION.



RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
 DESIGN ENGINEER DATE
 DESIGNED: T.F.S. DRAWN: WT
 CHECKED: L.C.S./D.W.C. CHECKED: T.F.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION
 LIGHTING DETAILS
 S.R. 152 (INDIANAPOLIS BLVD.)

HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	
VERTICAL SCALE	DESIGNATION
N.T.S.	0401043 & 1005297
SURVEY BOOK	SHEETS
	52 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



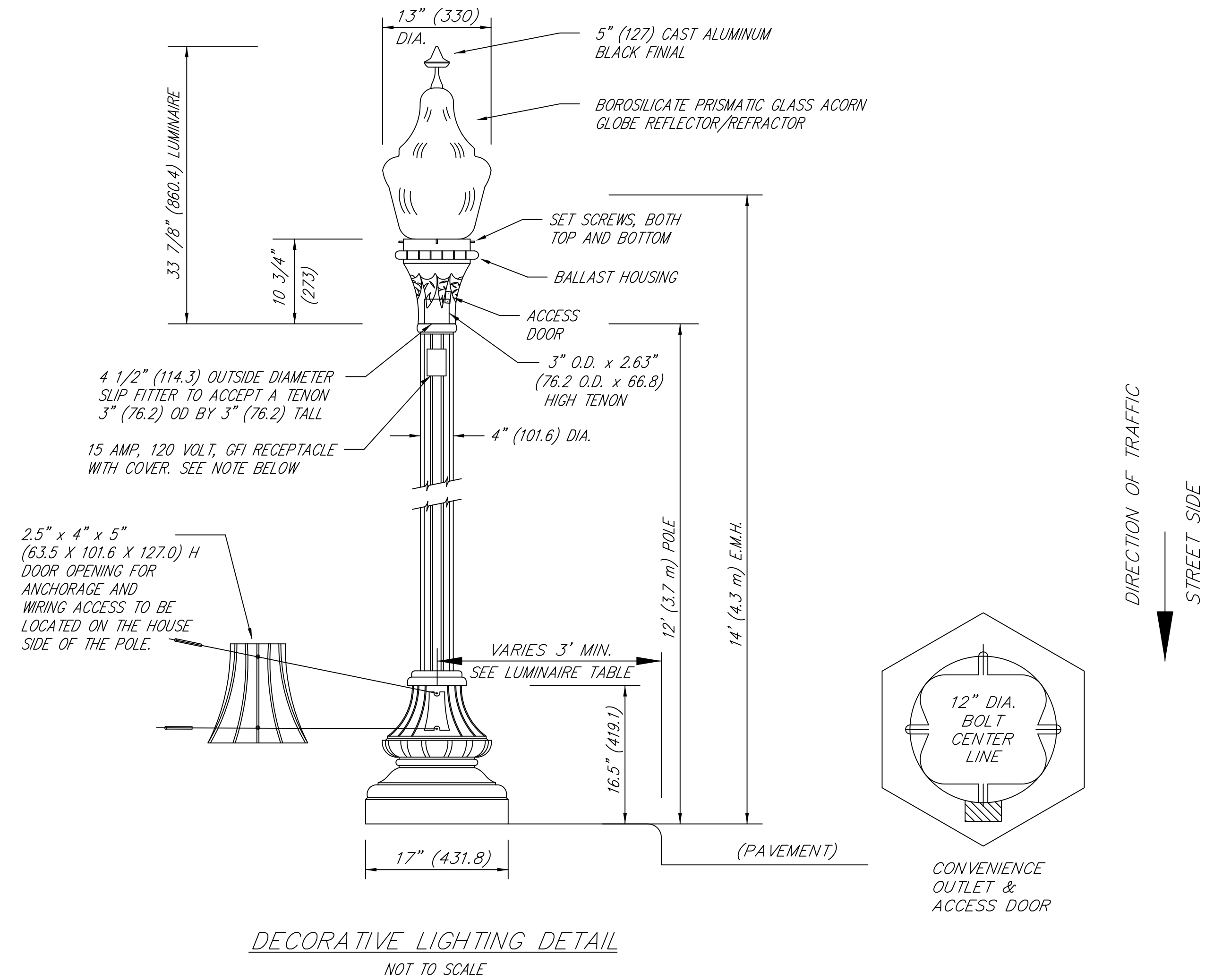
DECORATIVE LIGHTING FOUNDATION ESTIMATED QUANTITIES	
ITEMS TO BE INCLUDED IN THE COST OF THE FOUNDATION	
ENGLISH QUANTITIES	
CONCRETE, CLASS A	0.5 Cys.
REINFORCING STEEL	48 Lbs.
METRIC QUANTITIES	
CONCRETE, CLASS A	0.4 m3
REINFORCING STEEL	23 kg

NOTE: ALL DIMENSIONS WITHIN () ARE IN MILLIMETERS UNLESS NOTED.

NOTE: LIGHTING FOUNDATION TO BE PAID FOR AS "LIGHTING FOUNDATION, EACH" AND SHALL INCLUDE ALL CONCRETE, REINFORCING STEEL, CONDUIT ENTRY SLEEVE AND ANCHOR BOLTS COMPLETE & INSTALLED.

DECORATIVE LIGHTING FOUNDATION DETAIL

SCALE: AS NOTED



LUMINAIRE STYLE.....	GRANVILLE BOROSILICATE PRISMATIC GLASS REFLECTOR/REFRACTOR ACORN
SOCKET TYPE.....	MOGUL BASE
VOLTAGE.....	120/240 MULTI VOLTAGE
LIGHT SOURCE & WATTAGE.....	150 WATT HIGH PRESSURE SODIUM
FUSE SYSTEM.....	120/240V MULTI FUSE
COLOR.....	BLACK POLE
STYLE.....	WADSWORTH DOUBLE TAPERED FLUTED ALUMINUM
COLOR.....	BLACK

NOTES:

1. ALL DIMENSIONS WITHIN () ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. LUMINAIRE AND POLE TO BE LEVELED IN BOTH HORIZONTAL AXES AFTER POLE IS ERECTED.
3. BASE AND POLE TO BE PAID FOR AS LIGHT STANDARD 14 FT. (4.3 m) E.M.H., 12 FT. (3.7 m) DECORATIVE POLE.
4. GLASS GLOBE WITH FINIAL TO BE INCLUDED IN THE PAY ITEM "LUMINAIRE, POST TOP, HIGH PRESSURE SODIUM, 150 WATT".
5. POLE COLOR SHALL BE BLACK.

NOTE:

RECEPTACLE WITH SMALL-IN-USE WET LOCATION DARK GREEN COVER REQUIRED.

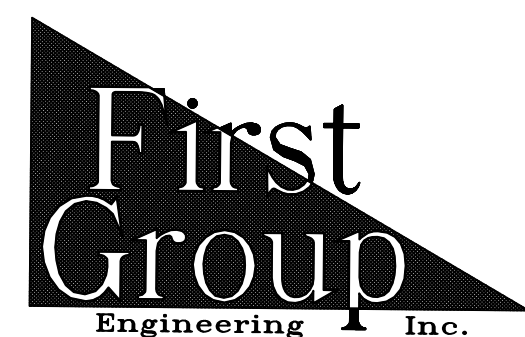
A 15 amp, 120 volt, ground fault circuit interrupter (GFI) duplex receptacle shall be mounted in the post approximately one foot below the post tenon and connected to the luminaire circuit with 12/2 with ground wire at the base of the pole.

The receptacle shall be UL Listed according to E-48380 and UL 943 Class A and UL 498. The receptacle shall have a cast aluminum, locable, UL Listed cover that is suitable for wet location while in use and complies with NEC Article 410-57(b). The cover shall accept most common cord sets up to 3/8 inch (9.5) diameter, (14/3 wire). The receptacle and cover shall mount to an opening in the post shaft, with a gasket and stainless steel screws. The cover shall be black in color.

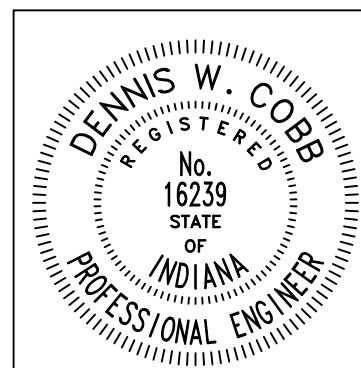
The cost of the receptacle, cover and receptacle wiring to be included in the cost of the pole.

NOTE:

ALL FASTENERS (SCREWS, BOLTS, NUTS, ETC.) USED ON STREET LIGHT POLES (CONVENTIONAL AND DECORATIVE) AND SERVICE POINT ENCLOSURES SHALL BE LUBRICATED, ESPECIALLY THE HAND HOLES ON STREETLIGHT POLES. THE LUBRICANT SHALL BE ALL WEATHER RESISTANT AIRCRAFT GREASE.



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



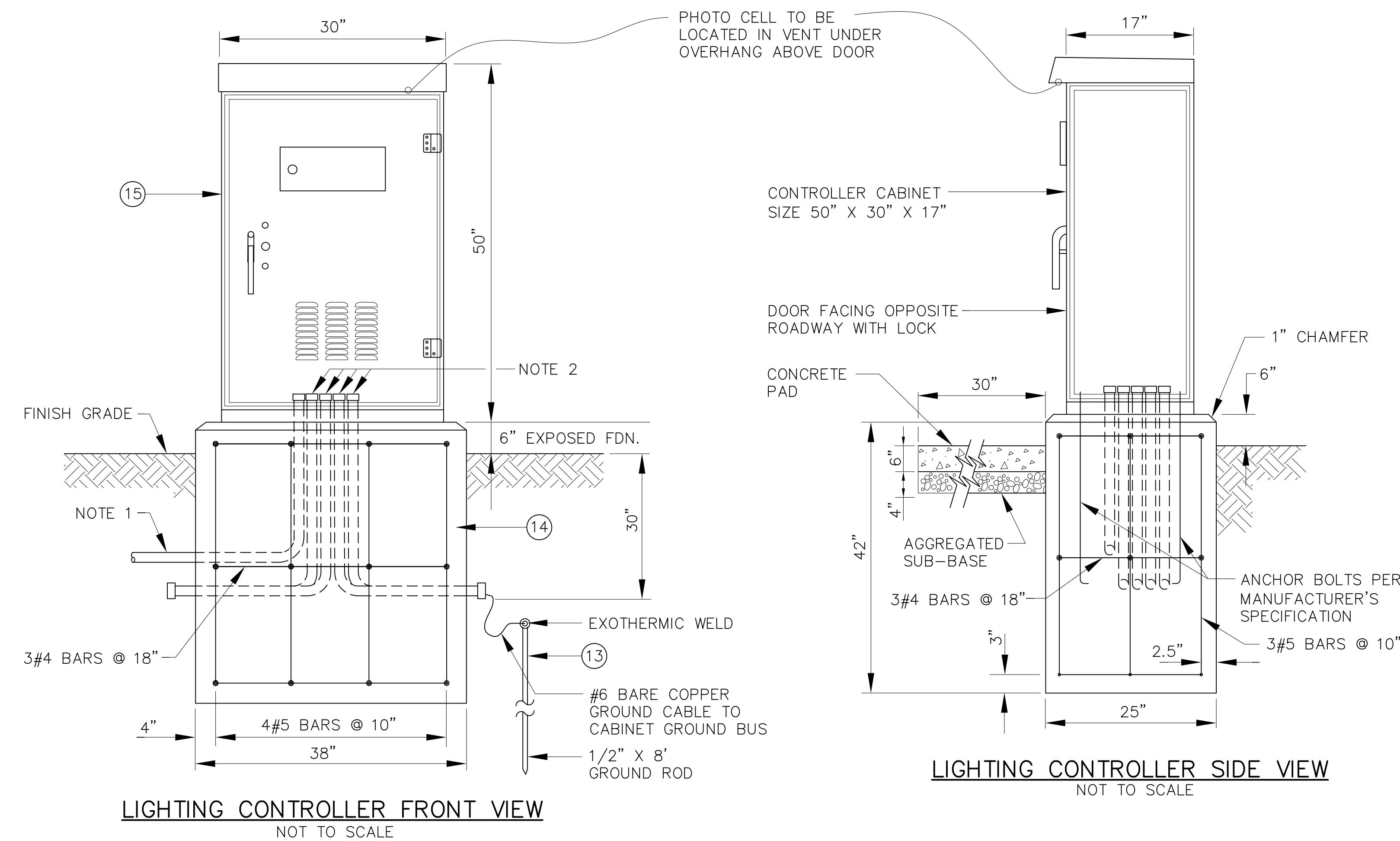
RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: TFS DRAWN: TFS
CHECKED: LCS/DWC CHECKED: LCS/DWC

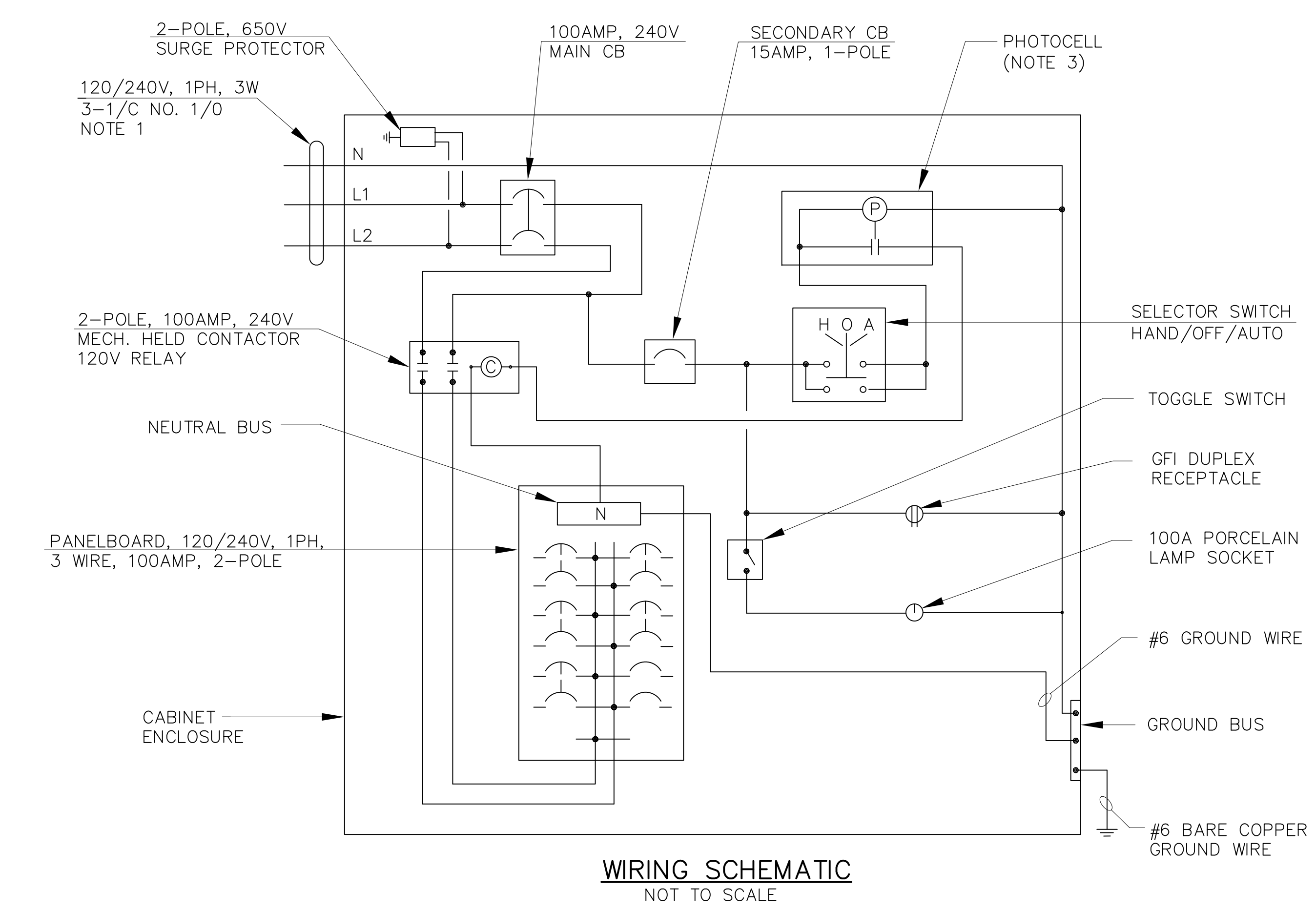
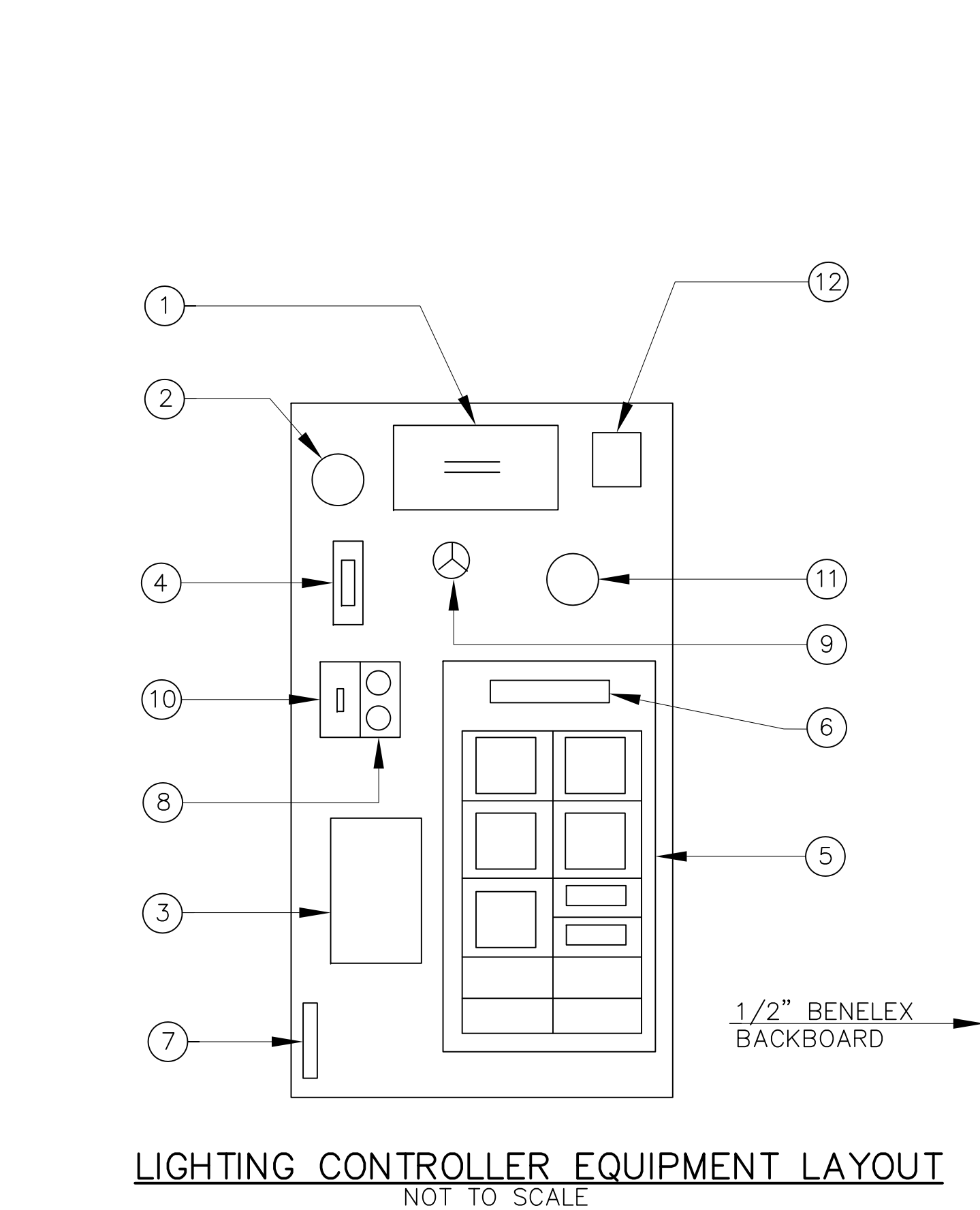
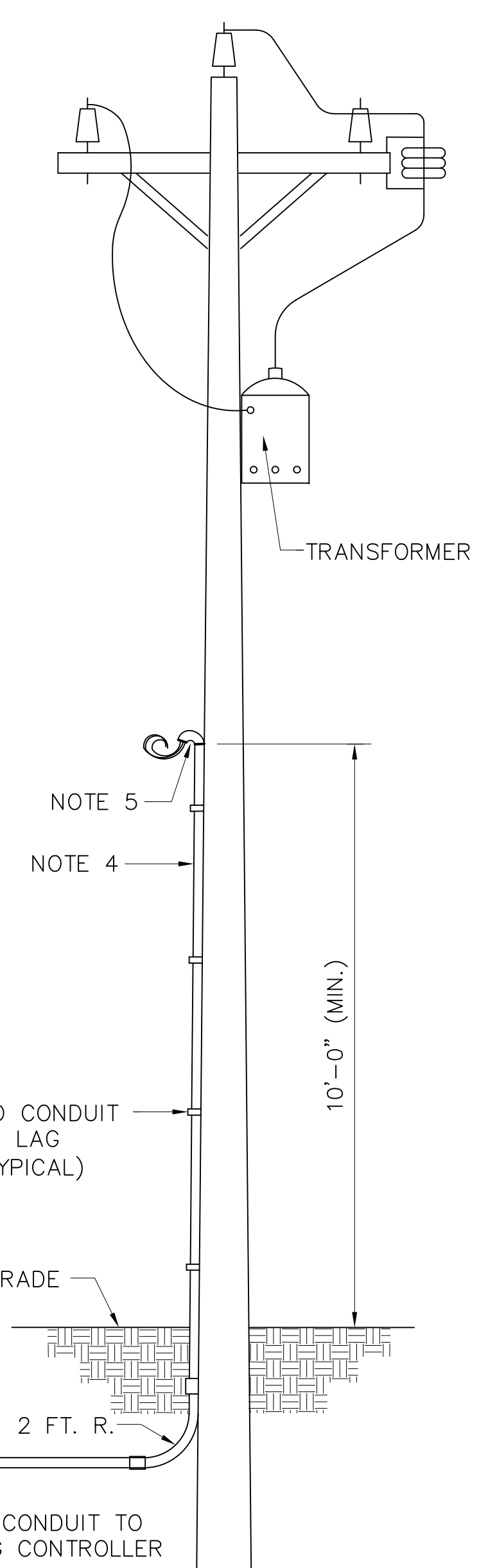
INDIANA DEPARTMENT OF TRANSPORTATION

DECORATIVE LIGHTING & FOUNDATION DETAILS

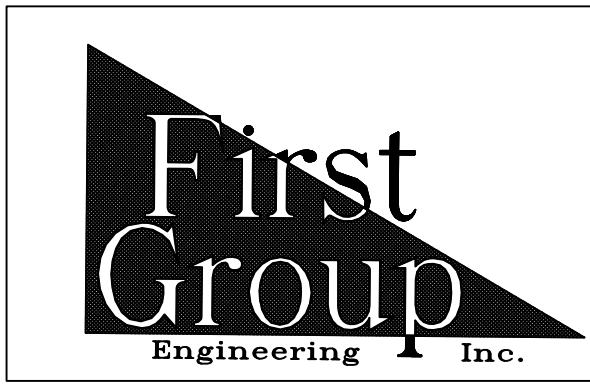
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
	53 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)



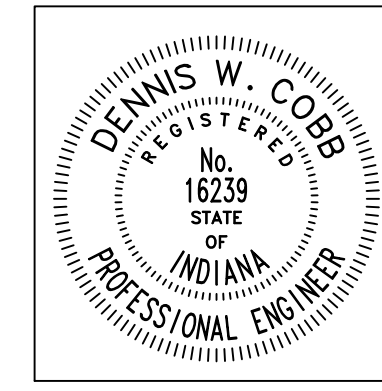
LIGHTING CONTROLLER EQUIPMENT - BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
1	1	MAIN CIRCUIT BREAKER, 2 POLE, 240 VOLT, 100 AMP "EHD" FRAME (CUTLER-HAMMER), NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-18000 AMP
2	1	SECONDARY SURGE ARRESTERS, 2 POLE, 650 VOLT, AS MANUFACTURED BY JOSLYN MANUFACTURING COMPANY, CATALOG NUMBER J9200-8A
3	1	LIGHTING CONTACTOR, 240 VOLT, 2 POLE, 100 AMP CONTACTOR, 120 VOLT CONTROL, CONTROL LINE FUSE, AS MANUFACTURED BY AUTOMATIC SWITCH COMPANY, CATALOG NUMBER 920210031XC WITH ACCESSORY 52
4	1	SECONDARY CIRCUIT BREAKER, 1 POLE, 120 VOLT, 15 AMP, "QBHW" FRAME, AS MANUFACTURED BY CUTLER-HAMMER
5	1	PANELBOARD, 120/240 VOLT, 1 PHASE, 3 WIRE, 100 AMP, 2 POLE, CUTLER-HAMMER PANELBOARD TYPE POW-R-LINE 3a, WITH CIRCUIT BREAKERS.
6	1	NEUTRAL BUS, 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS
7	1	GROUND BUS, 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS
8	1	DUPLEX GFI RECEPTACLE, 15 AMP, 120 VOLT, AS MANUFACTURED BY HUBBELL, CATALOG NUMBER GF5262
9	1	3 POSITION SELECTOR SWITCH, HAND/OFF/AUTO, 120 VOLT, SINGLE PHASE, AS MANUFACTURED BY SQUARE D
10	1	TOGGLE SWITCH, 120 VOLT, SINGLE PHASE, AS MANUFACTURED BY HUBBELL, CATALOG NUMBER HBL1201
11	1	PORCELAIN SOCKET WITH 60-WATT INCANDESCENT LIGHT BULB, 120 VOLT, 100 AMP RATING, AS MANUFACTURED BY LEVITON
12	1	PHOTO ELECTRIC CELL, DARK TO LIGHT, MODEL NO. DB120-1.5-ST
13	1	GROUND ROD, 1/2" X 8 FT.
14	1	REINFORCE CONCRETE FOUNDATION, 38" X 42" X 25", WITH CONDUIT ELBOWS AS REQUIRED ON PLANS
15	1	NEMA TYPE 3R ENCLOSURE, 50" X 30" X 17", WITH STAINLESS STEEL HARDWARE. THE ENCLOSURE SHALL BE AS MANUFACTURED BY TRI-COUNTY, SOUTHERN, OR APPROVED EQUAL



- NOTES:**
- 120/240V, 1 PHASE, 3 WIRE, GROUNDED UTILITY SERVICE, IN 2" RGS CONDUIT TO NIPSCO SERVICE.
 - 6-3" PVC CONDUIT ELBOWS FOR LIGHTING CABLE DUCTS. SEE LIGHTING PLANS FOR REQUIRED ORIENTATION OF ELBOWS. (SPARES ARE TO BE CAPPED AT BOTH ENDS).
 - PHOTOCELL SHALL BE MOUNTED ON THE SIDE OF THE LIGHTING CONTROLLER CABINET. PHOTOCELL WINDOW SHALL FACE NORTH.
 - CONTRACTOR SHALL TERMINATE CONDUIT RUN 10 FEET ABOVE GROUND WITH WEATHERHEAD. COORDINATE ALL WORK WITH NIPSCO.
 - CONTRACTOR SHALL PROVIDE SUFFICIENT ELECTRIC CABLE TO FACILITATE NIPSCO'S CONNECTION TO THE TRANSFORMER. (2 FOOT MIN.)



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



RECOMMENDED FOR APPROVAL *Dennis W. Cobb* 6/8/2012
DESIGN ENGINEER DATE

DESIGNED: T.F.S. DRAWN: D.F.S.

CHECKED: L.C.S./D.W.C. CHECKED: T.F.S./D.W.C.

INDIANA DEPARTMENT OF TRANSPORTATION

120V/240V SERVICE POINT TYPE 2, MODIFIED

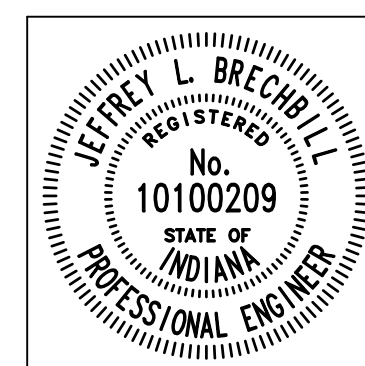
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
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R-28972	STP-9945 (089)

SANITARY STRUCTURE DATA

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CENTER	SIZE INCHES	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH FT.	SKEW FT.	COVER FT.	FLOW LINE		SERVICE LIFE YR.	SITE DESIGNATION	PH	STRUCTURE BACKFILL CU. YDS.	REVEALMENT RIP RAP TONS	CONCRETE ANCHOR EA.	PIPE END SECTION EA.	GRATED BOX END SECTION		SAFETY METAL END SECTION EA.	REMARKS			
											UP STREAM ELEV.	DOWN STREAM ELEV.								TYPE	SLOPE			EA.	SLOPE	EA.
											FT.	FT.														
SUMMARY OF SANITARY ITEMS																										
EXISTING PIPES												EXISTING STRUCTURES														
PIPE, SANITARY SEWER RE-LINING, 15" = 2,397 LFT.												RE-LINE EXISTING MANHOLES = 15 EACH ADJUST CASTING TO GRADE = 15 EACH														
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												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														

NOTES:

- SEE SUMMARY OF QUANTITIES AND APPROACH TABLE FOR HMA AND PCCP REQ'D. FOR STRUCTURES.
- "STAMPED" - ALL CASTINGS WILL BE STAMPED AS SHOWN ON SHEET 35.



RECOMMENDED FOR APPROVAL: *Jeffrey L. Brechler* 6/13/2012
DESIGN ENGINEER DATE

DESIGNED: J.L.B. DRAWN: WT
CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

**INDIANA
DEPARTMENT OF TRANSPORTATION**

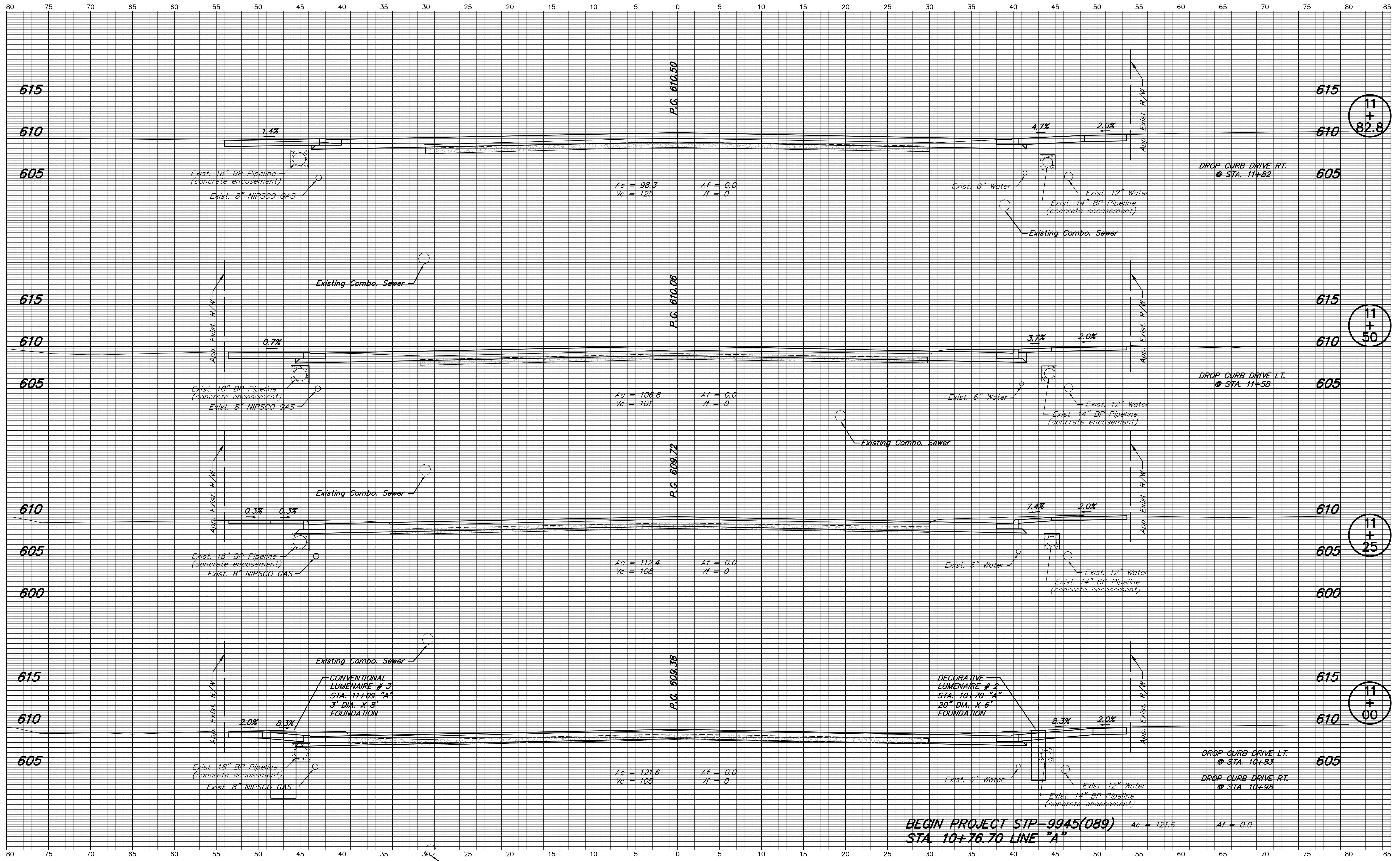
**SANITARY STRUCTURE DATA TABLE
S.R. 152 (INDIANAPOLIS BLVD.)**

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
	0401043 & 1005297
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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STRUCTURE NUMBER		51	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
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.
SMOOTH PIPE SIZE		12"	12"	30"	12"	12"	24"	12"	12"	24"	12"	24"	12"	12"	12"	24"	12"	12"	24"	12"	12"	24"	12"
CORRUGATED PIPE SIZE																							
RCP/ RCHEP (S)	CLASS	II	II	IV	III	II	III	III	II	III	III	III	III	II	II	III	II	II	III	II	II	III	III
	DO.01 RATING	1000	1000	1500	1250	1000	1250	1250	1000	1250	1250	1250	1250	1000	1000	1250	1000	1000	1250	1000	1000	1250	1250
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		OK	OK		OK	OK		OK	OK		OK		OK	OK	OK		OK	OK		OK	OK		OK
CORRUGATED PE PIPE, TYPE S (S) *																							
RIBBED PE PIPE (S) *																							
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR 26.00																							
PROFILE WALL PVC PIPE (S)																							
SMOOTH WALL PVC PIPE (S) *																							
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																							
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. PAVED & LINED (S)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	ZINC COATED (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	ZINC COATED W/ BPI (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	ALUM. COATED TYPE 2 (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	ALUM. COATED TYPE 2 W/ BPI (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	POLYMER PRECOATED GALVANIZED (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	POLYMER PRECOATED GALVANIZED W/ BPI (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	FIBER BONDED BITUMINOUS COATED (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	FIBER BONDED BITUMINOUS COATED W/ BPI (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	CORRUGATED ALUM. ALLOY PIPE (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE ALUMINUM ALLOY PIPE (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																						
		CORR. PROFILE THICKNESS																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE STEEL PIPE (C)																						
		CORR. PROFILE THICKNESS **																					
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE STEEL PIPE W/ CFP (C)																						
		CORR. PROFILE THICKNESS **																					

STRUCTURE NUMBER		74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
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.
SMOOTH PIPE SIZE		12"	24"	12"	12"	24"	12"	12"	18"	12"	18"	12"	12"	18"	12"	12"	18"	12"	12"
CORRUGATED PIPE SIZE																			
RCP/ RCHEP (S)	CLASS	II	II	III	II	II	III	II	II	III	II	III	II	II	III	II	II	III	II
	DO.01 RATING	1000	1000	1250	1000	1000	1250	1000	1000	1250	1000	1250	1000	1000	1250	1000	1000	1250	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
CORRUGATED PE PIPE, TYPE S (S) *																			
RIBBED PE PIPE (S) *																			
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR 26.00																			
PROFILE WALL PVC PIPE (S)																			
SMOOTH WALL PVC PIPE (S) *																			
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																			
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. PAVED & LINED (S)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	ZINC COATED (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	ZINC COATED W/ BPI (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	ALUM. COATED TYPE 2 (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	ALUM. COATED TYPE 2 W/ BPI (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	POLYMER PRECOATED GALVANIZED (C)																		
		CORR. PROFILE THICKNESS																	
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		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	FIBER BONDED BITUMINOUS COATED (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	FIBER BONDED BITUMINOUS COATED W/ BPI (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	CORRUGATED ALUM. ALLOY PIPE (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE ALUMINUM ALLOY PIPE (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																		
		CORR. PROFILE THICKNESS																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE STEEL PIPE (C)																		
		CORR. PROFILE THICKNESS **																	
CORRUGATED STEEL PIPE/ PIPE-ARCH	STR. PLATE STEEL PIPE W/ CFP (C)																		
		CORR. PROFILE THICKNESS **																	

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

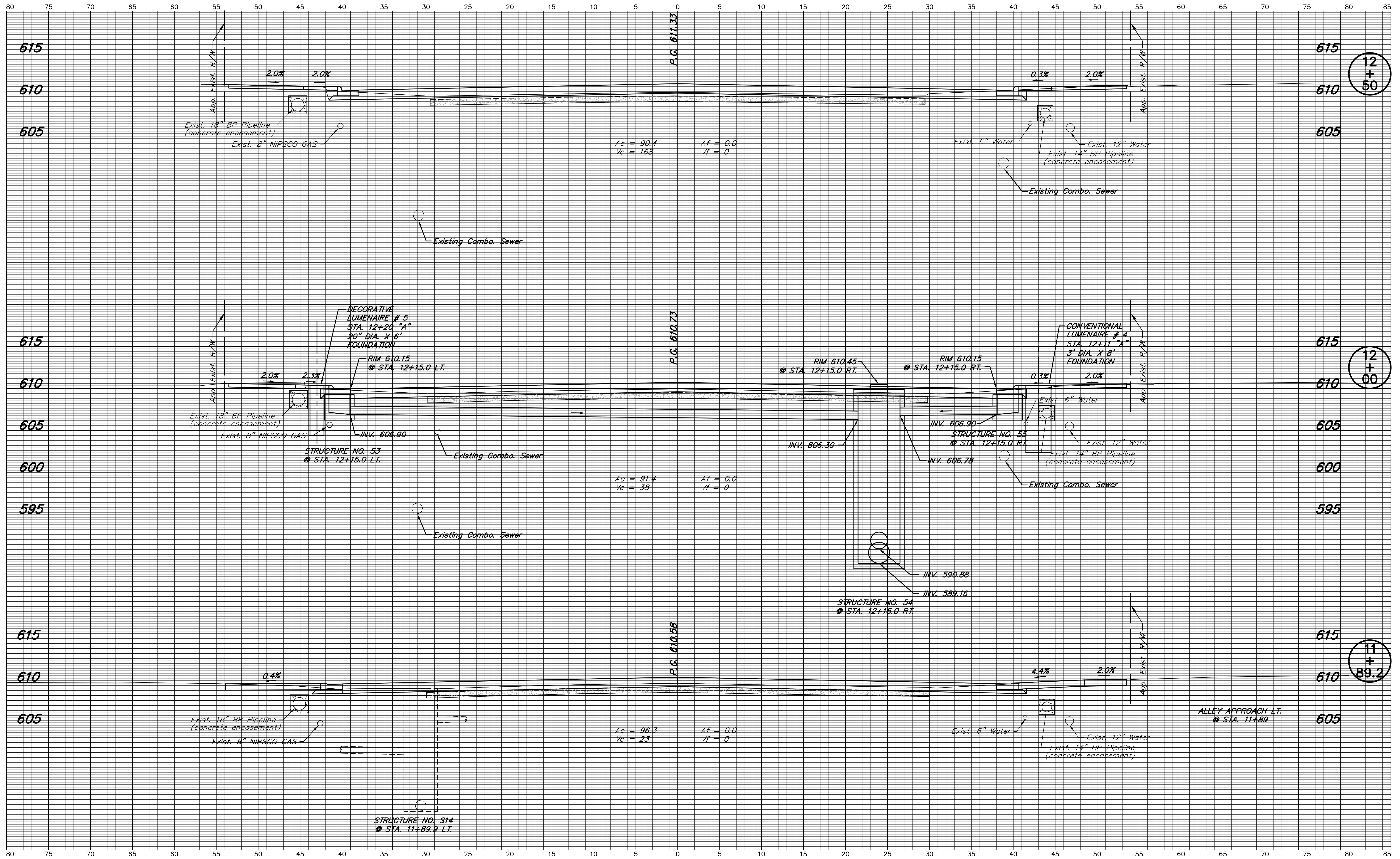


NOTE: ALL EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S.
 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

INDIANA DEPARTMENT OF TRANSPORTATION
 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS
	61 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

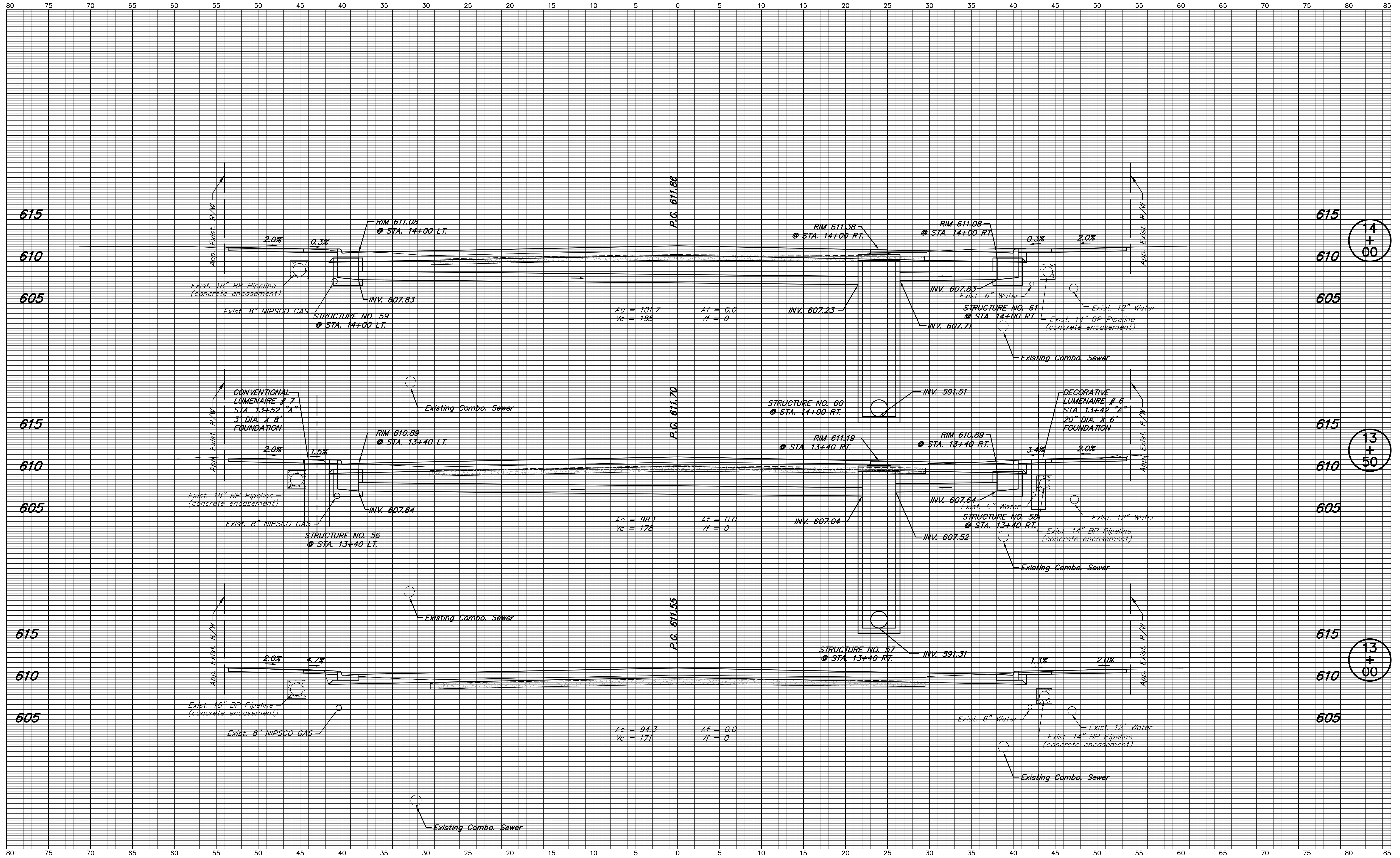


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 LINE "A"

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SURVEY BOOK	SHEETS 62 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



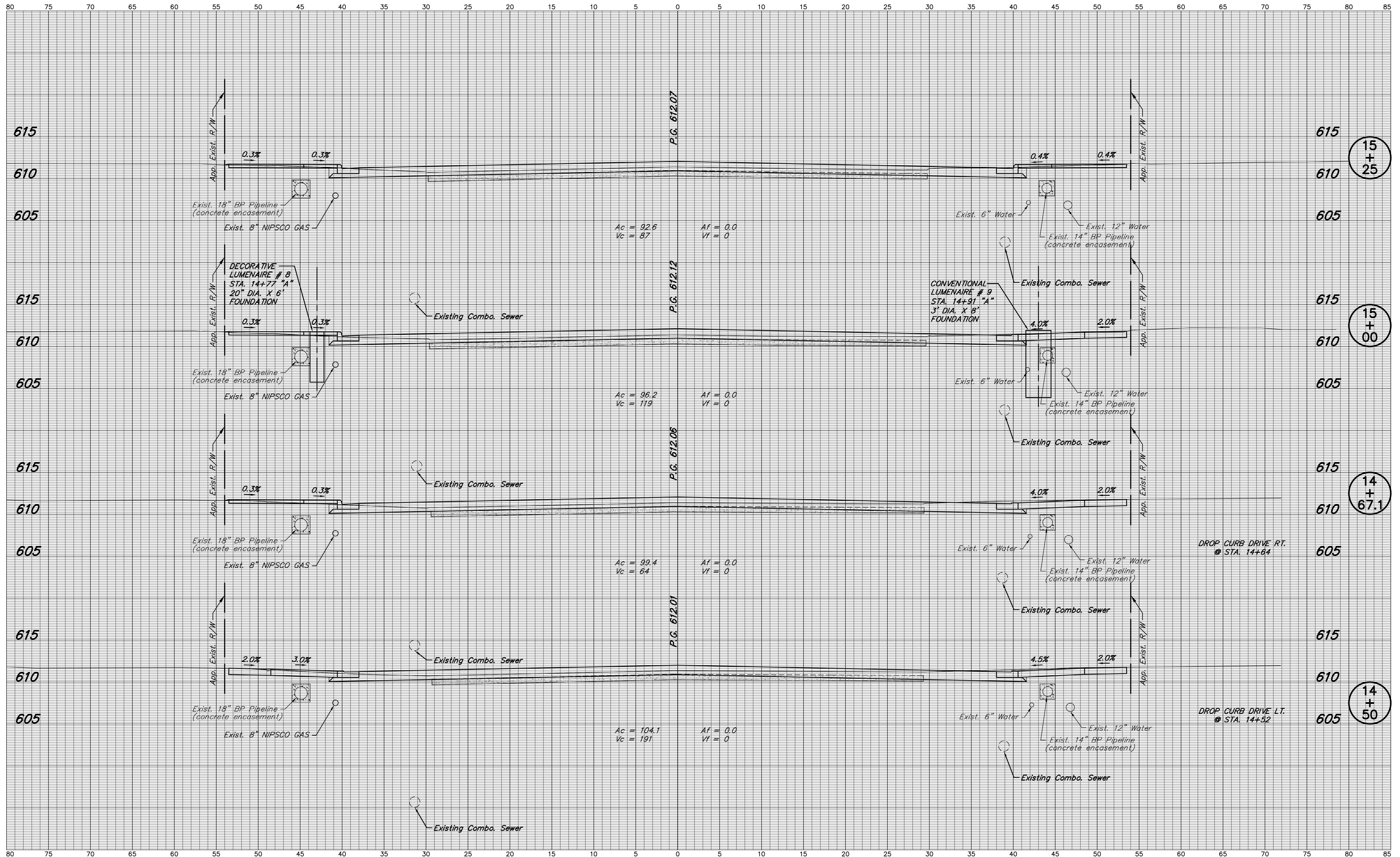
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**INDIANA
 DEPARTMENT OF TRANSPORTATION**

**S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"**

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SURVEY BOOK	SHEETS 63 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



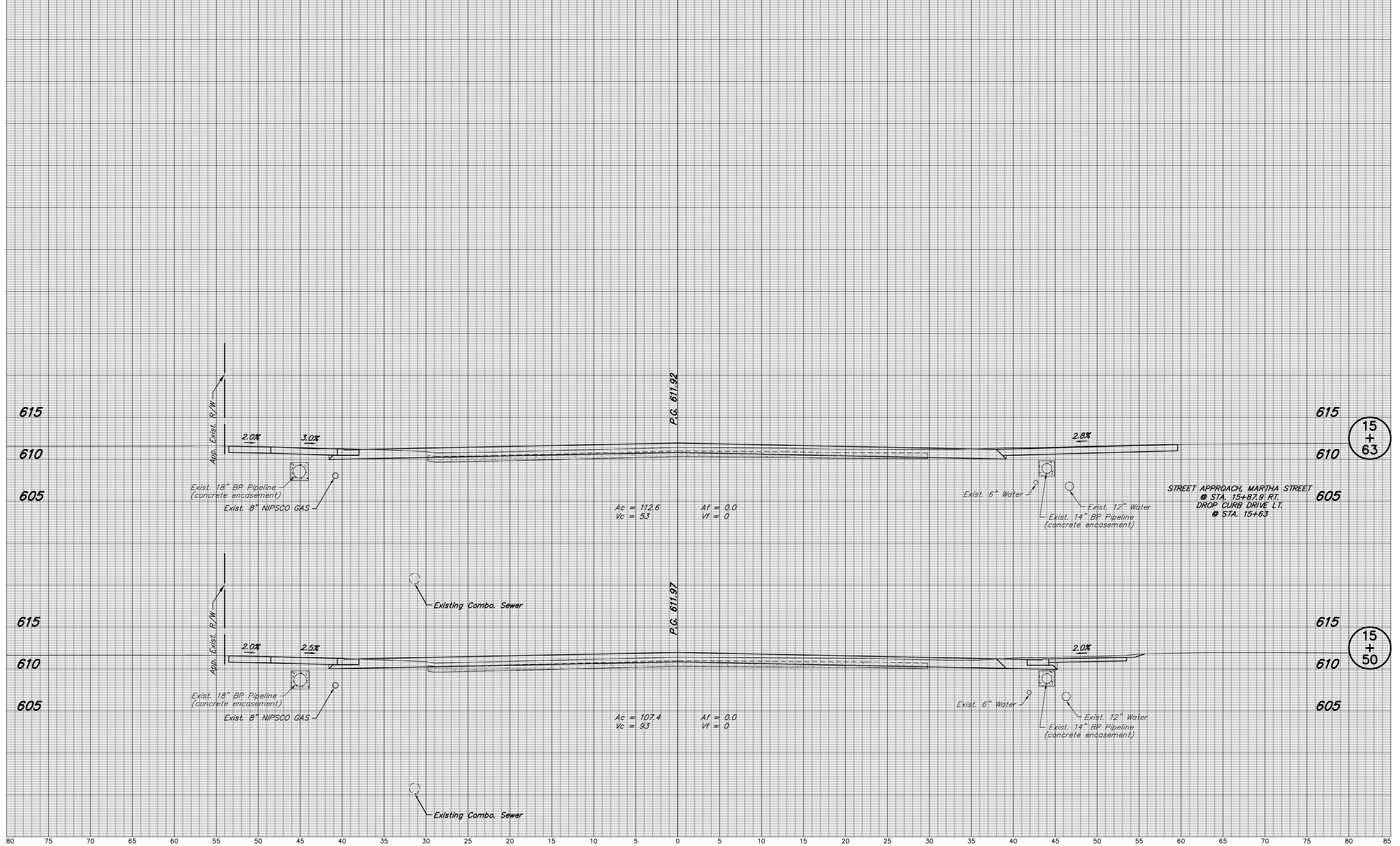
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SURVEY BOOK	SHEETS 64 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

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

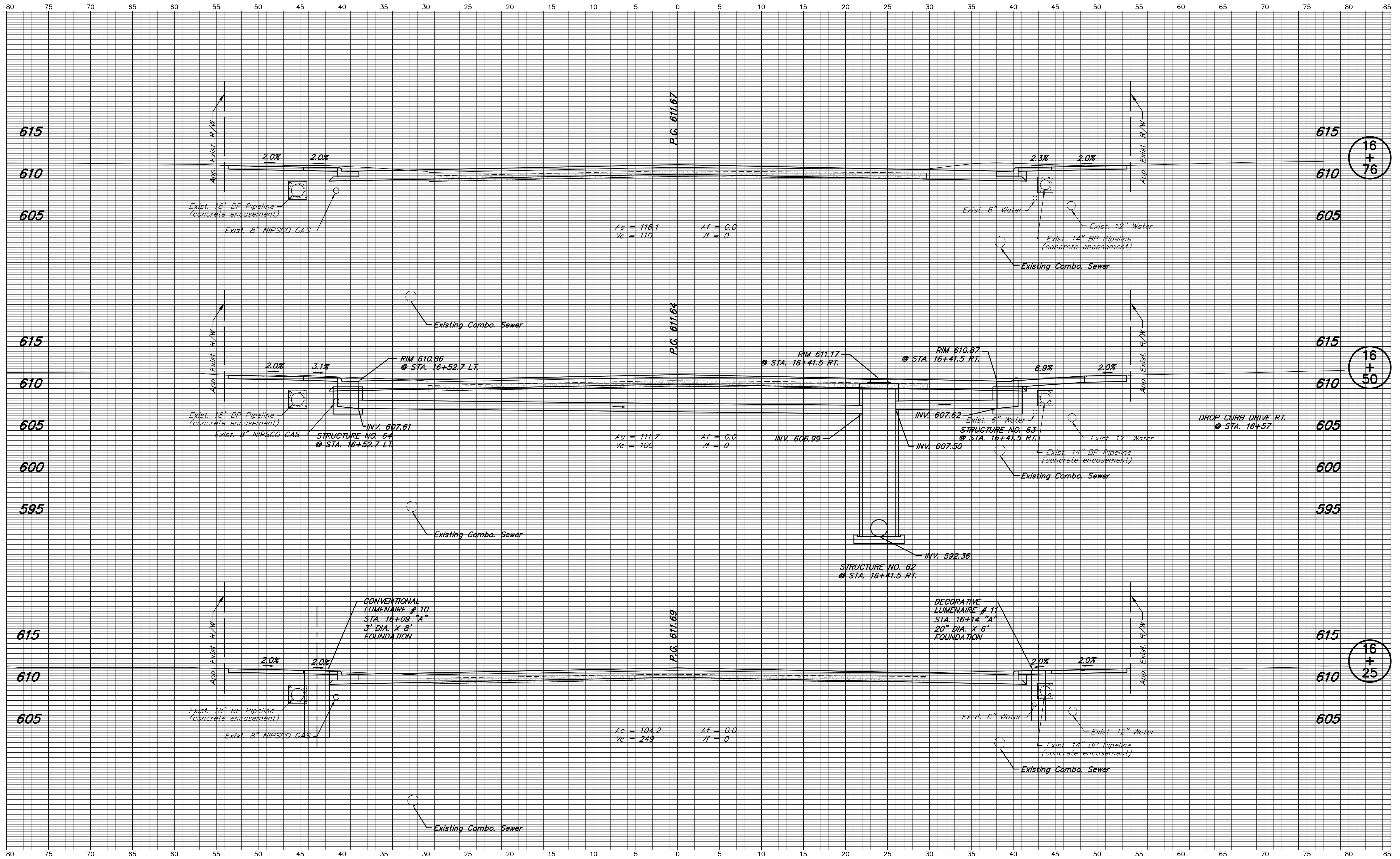


15
+
63

15
+
50

NOTE: ALL EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		INDIANA DEPARTMENT OF TRANSPORTATION S.R. 152 (INDIANAPOLIS BLVD.) LINE "A"		HORIZONTAL SCALE	BRIDGE FILE
				1" = 5'	
		VERTICAL SCALE	DESIGNATION		
		1" = 5'	0401043 & 1005297		
		SURVEY BOOK	SHEETS		
			65 of 80		
		CONTRACT	PROJECT		
		R-28972	STP-9945(089)		

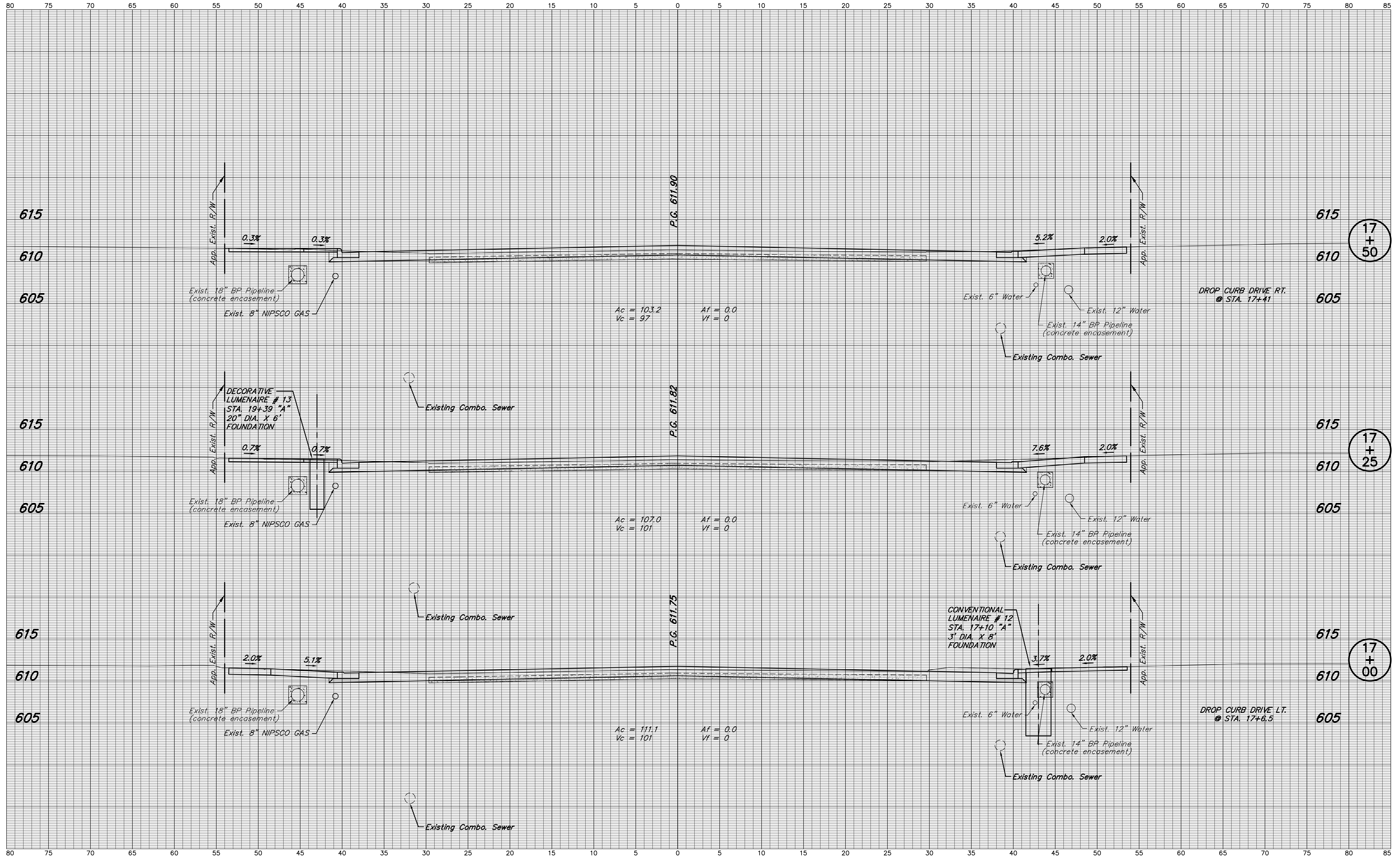


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INDIANA DEPARTMENT OF TRANSPORTATION
 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

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VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 66 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



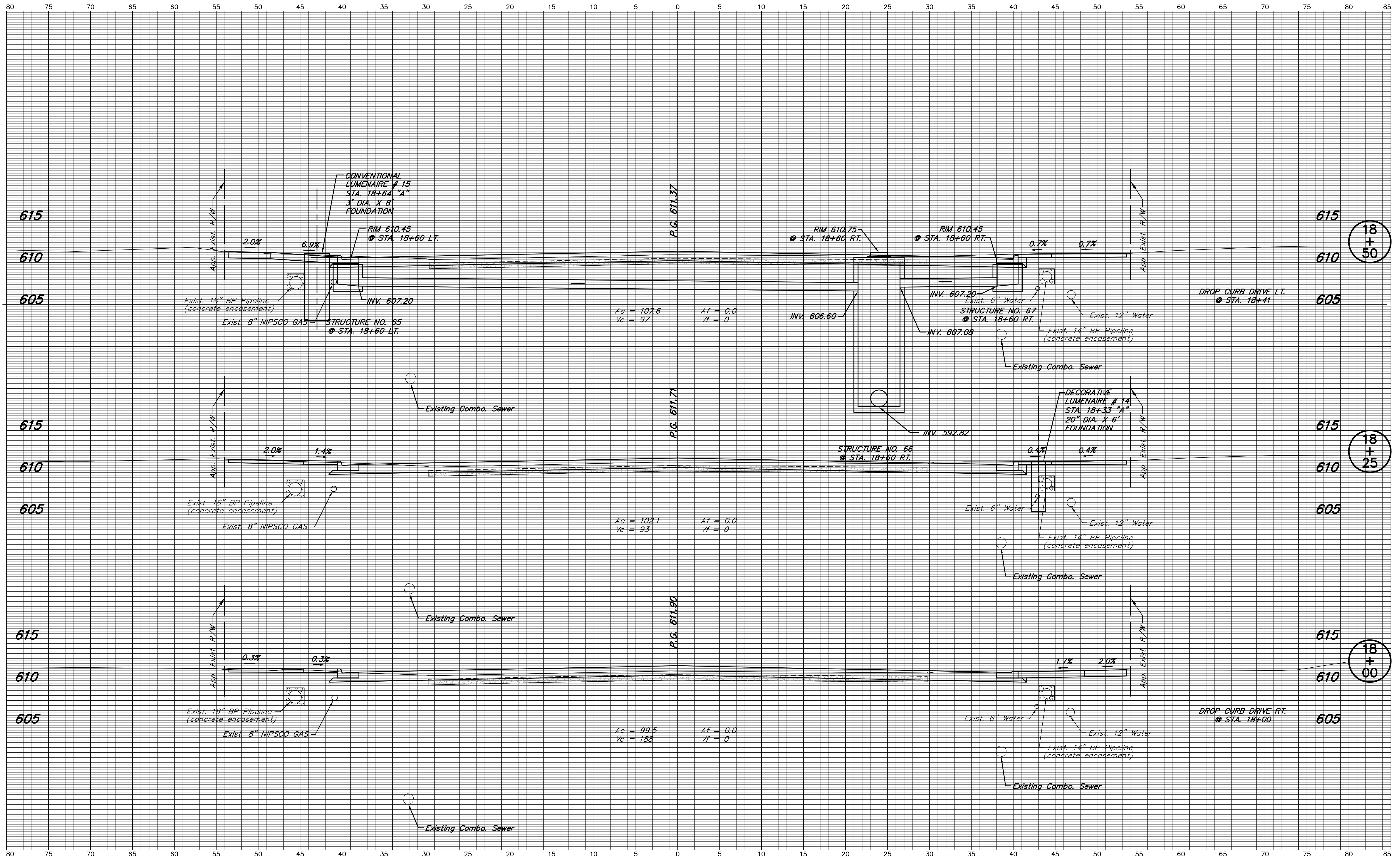
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INDIANA
 DEPARTMENT OF TRANSPORTATION

S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

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SURVEY BOOK	SHEETS 67 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

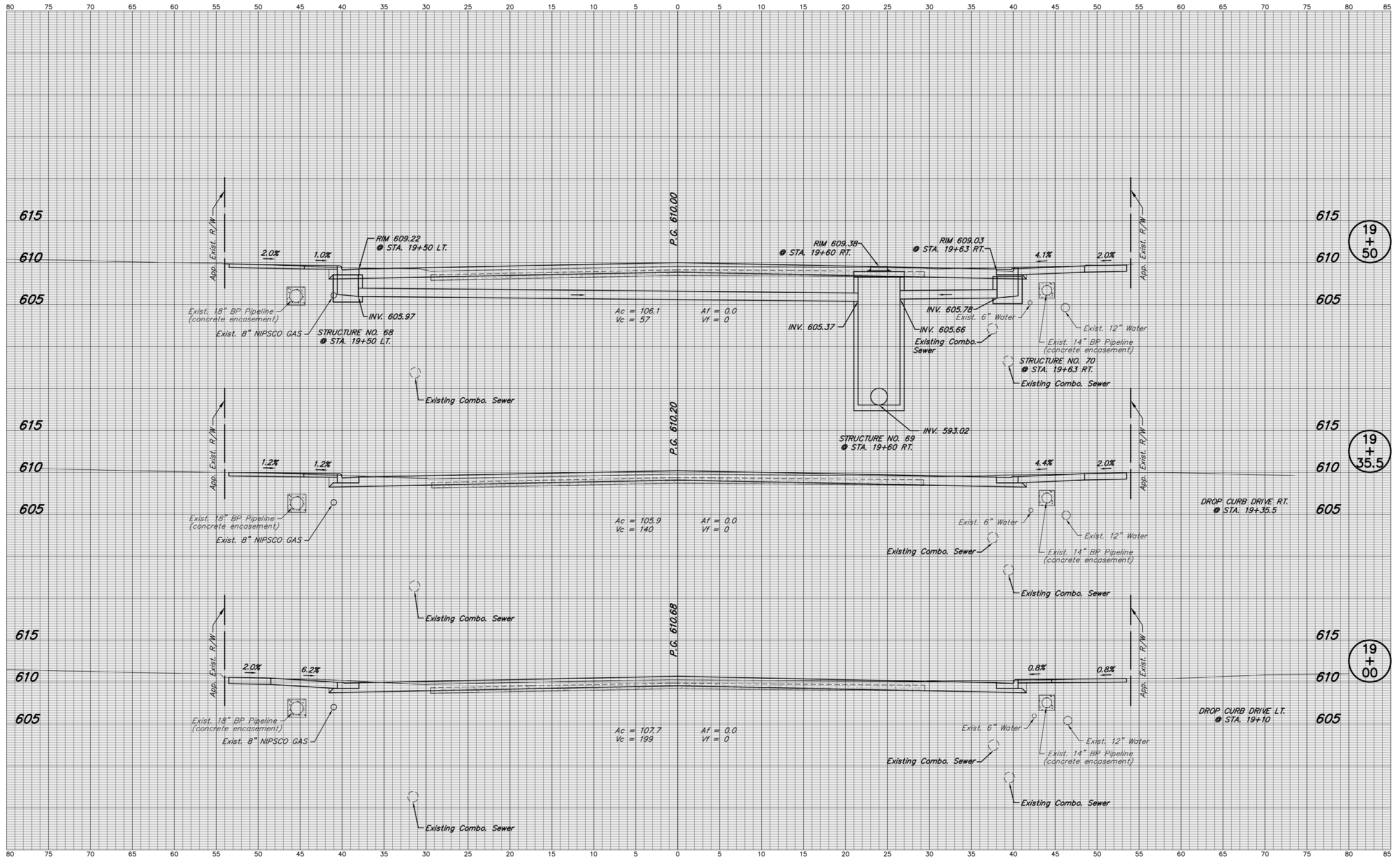


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INDIANA DEPARTMENT OF TRANSPORTATION
 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
1" = 5'	0401043 & 1005297
SURVEY BOOK	SHEETS
	68 of 80
CONTRACT	PROJECT
R-28972	STP-9945(089)

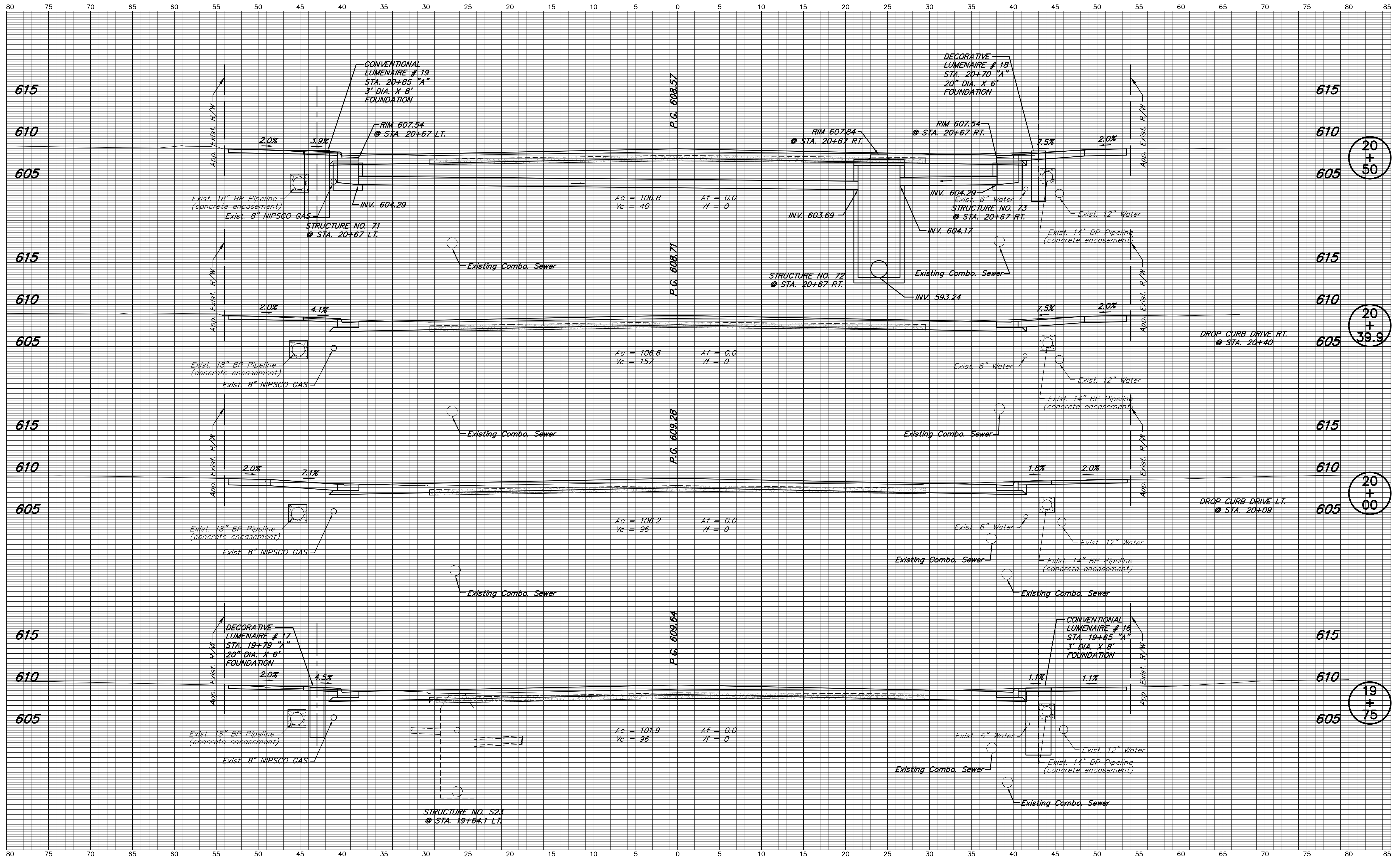


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 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

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SURVEY BOOK	SHEETS 69 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

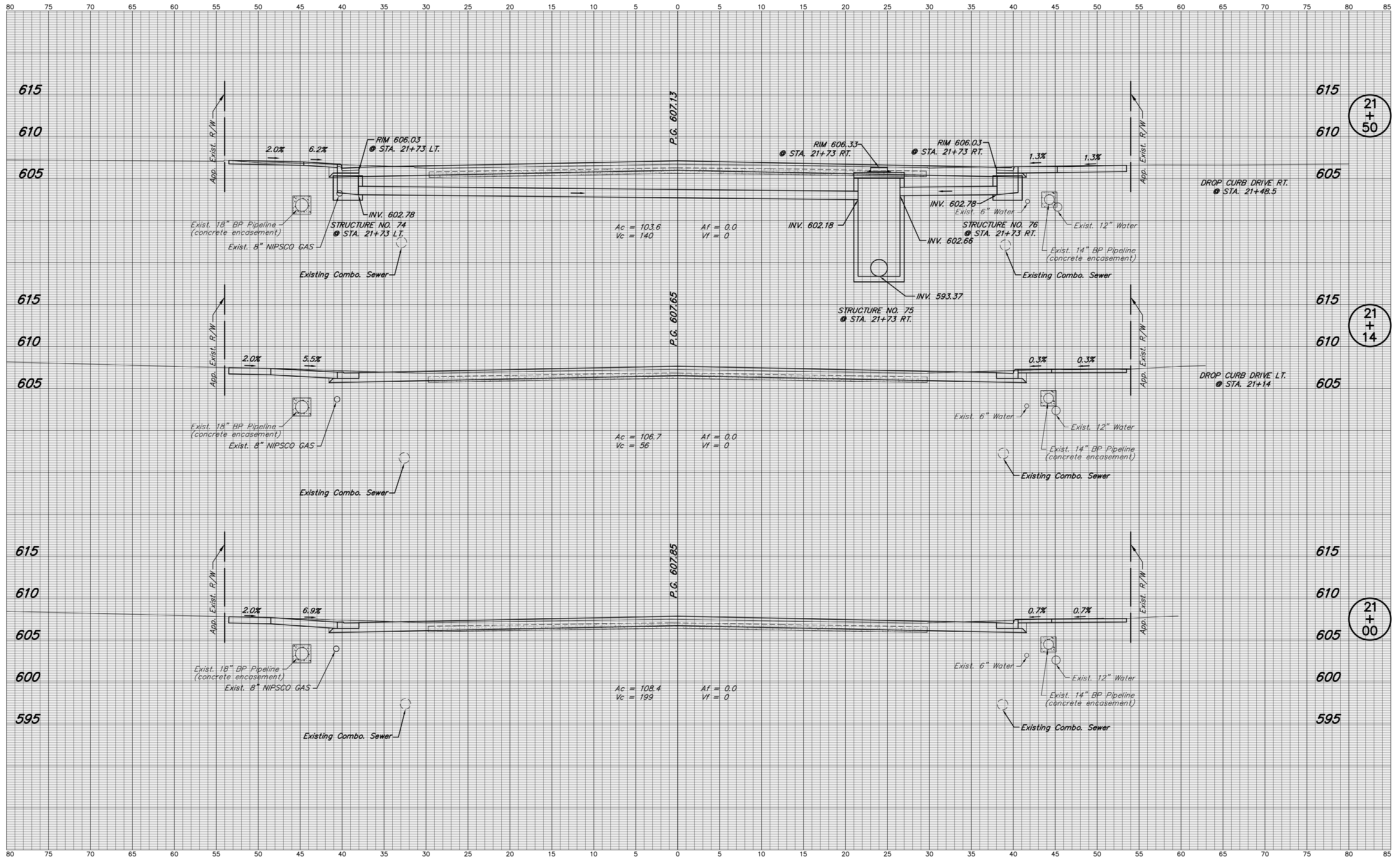


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INDIANA DEPARTMENT OF TRANSPORTATION
 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
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SURVEY BOOK	SHEETS 70 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



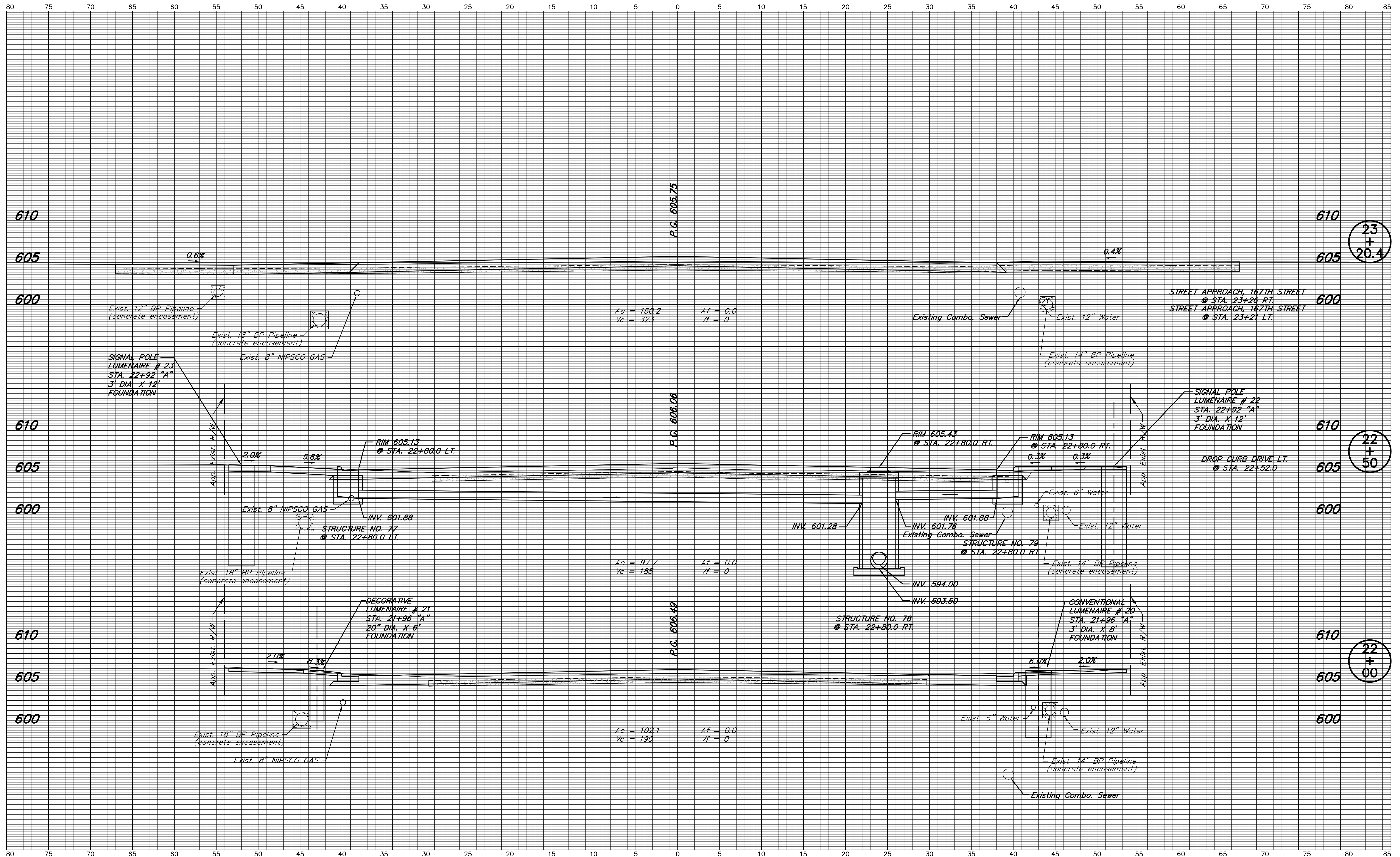
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DESIGNED: J.L.B.	DRAWN: M.D.T./ D.F.S.
CHECKED: L.C.S./D.W.C.	CHECKED: J.L.B.

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**S.R. 152 (INDIANAPOLIS BLVD.)
LINE "A"**

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VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS
	71 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



23
+
20.4

22
+
50

22
+
00

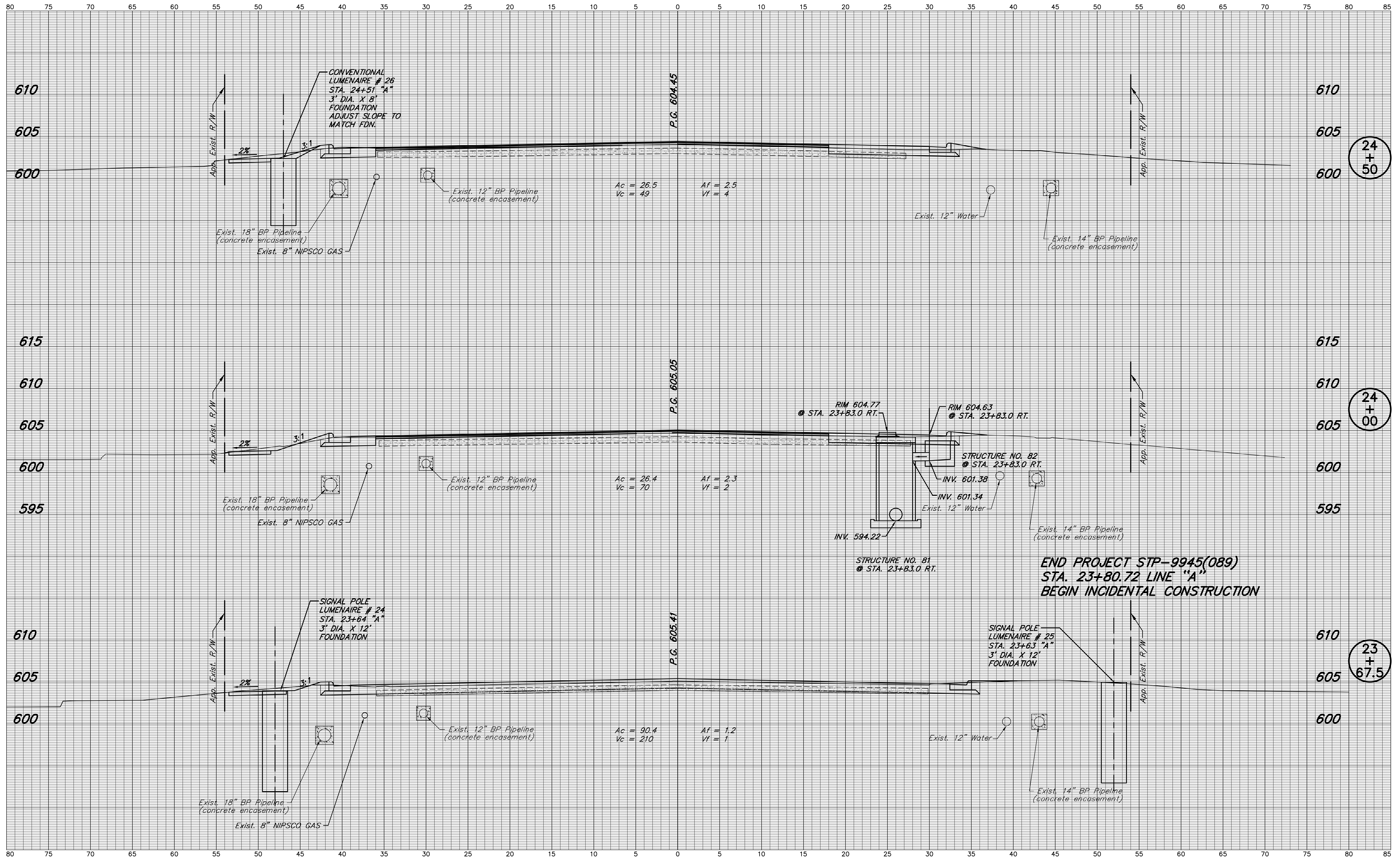
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INDIANA
DEPARTMENT OF TRANSPORTATION

S.R. 152 (INDIANAPOLIS BLVD.)
LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 72 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

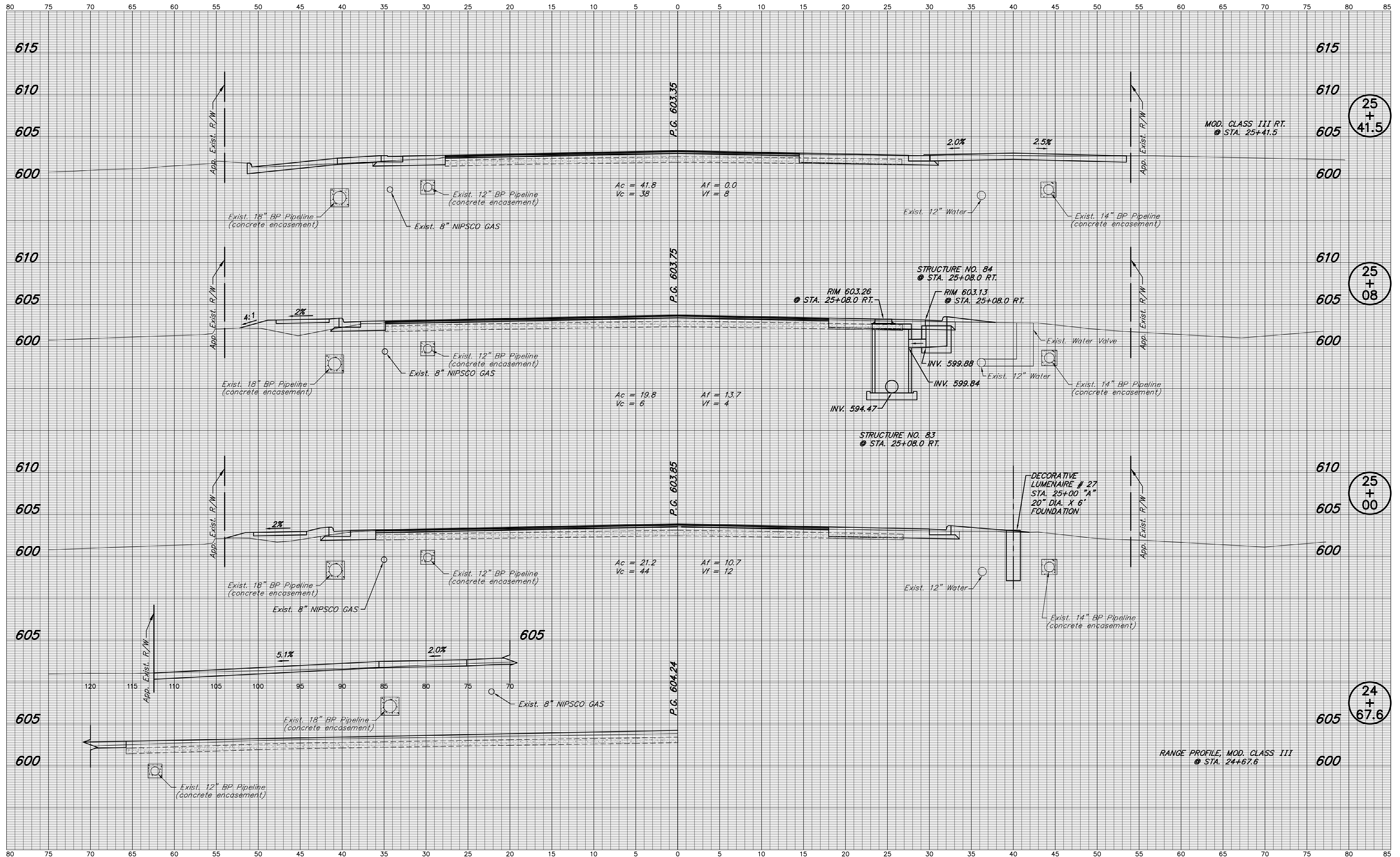


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DEPARTMENT OF TRANSPORTATION
 S.R. 152 (INDIANAPOLIS BLVD.)
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SURVEY BOOK	SHEETS
	73 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

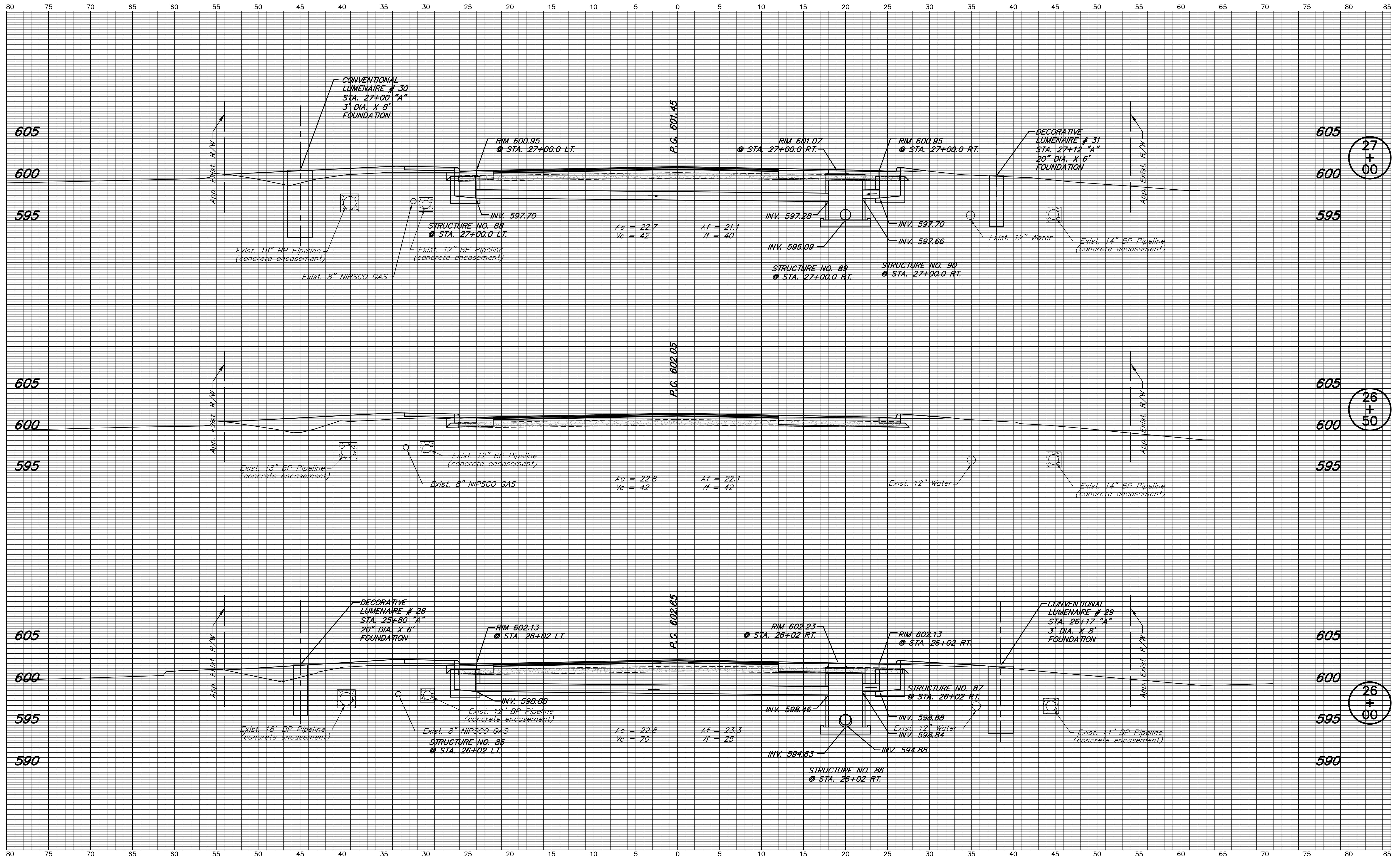


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CONTRACT R-28972	PROJECT STP-9945(089)

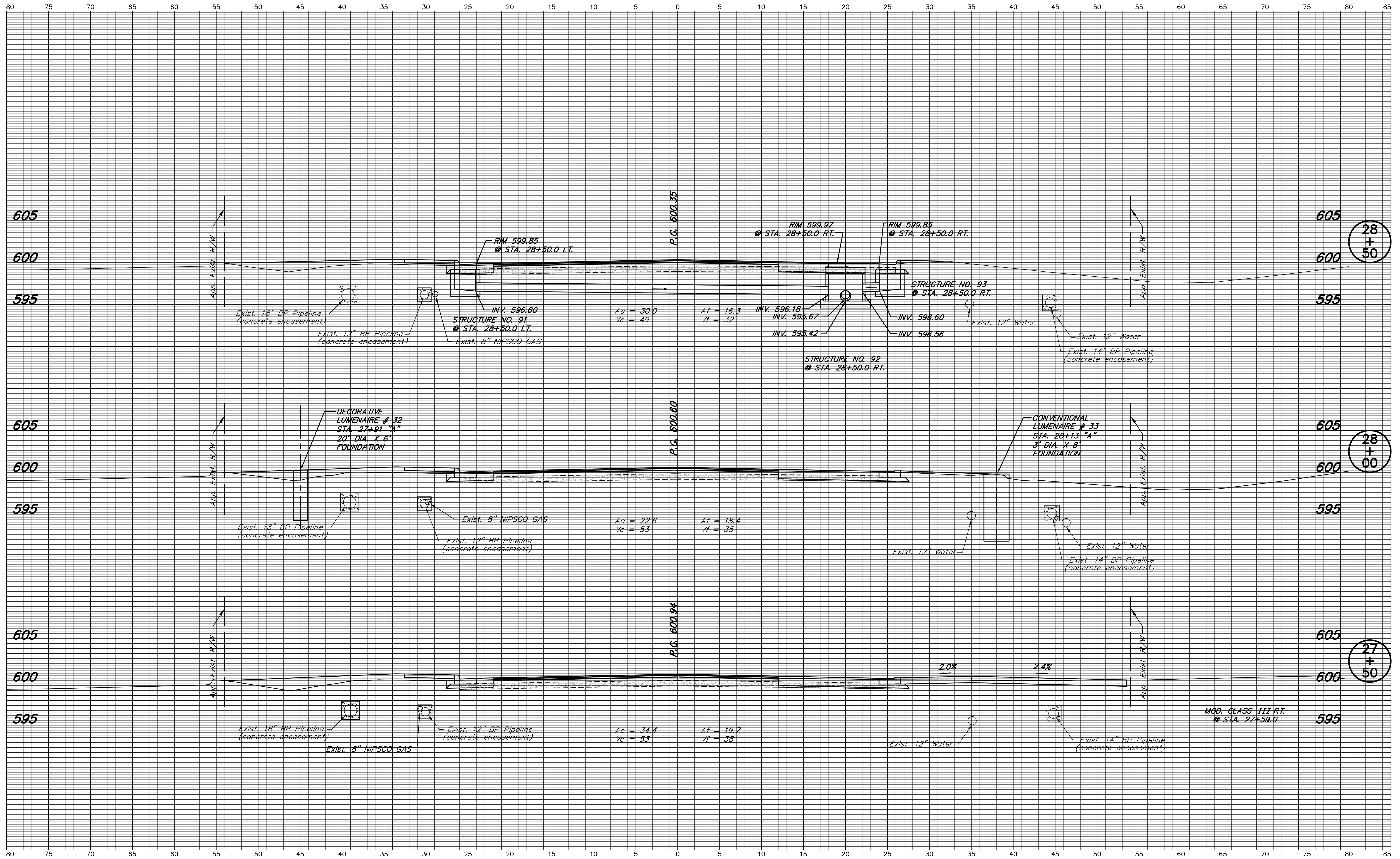


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 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

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SURVEY BOOK	SHEETS 75 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

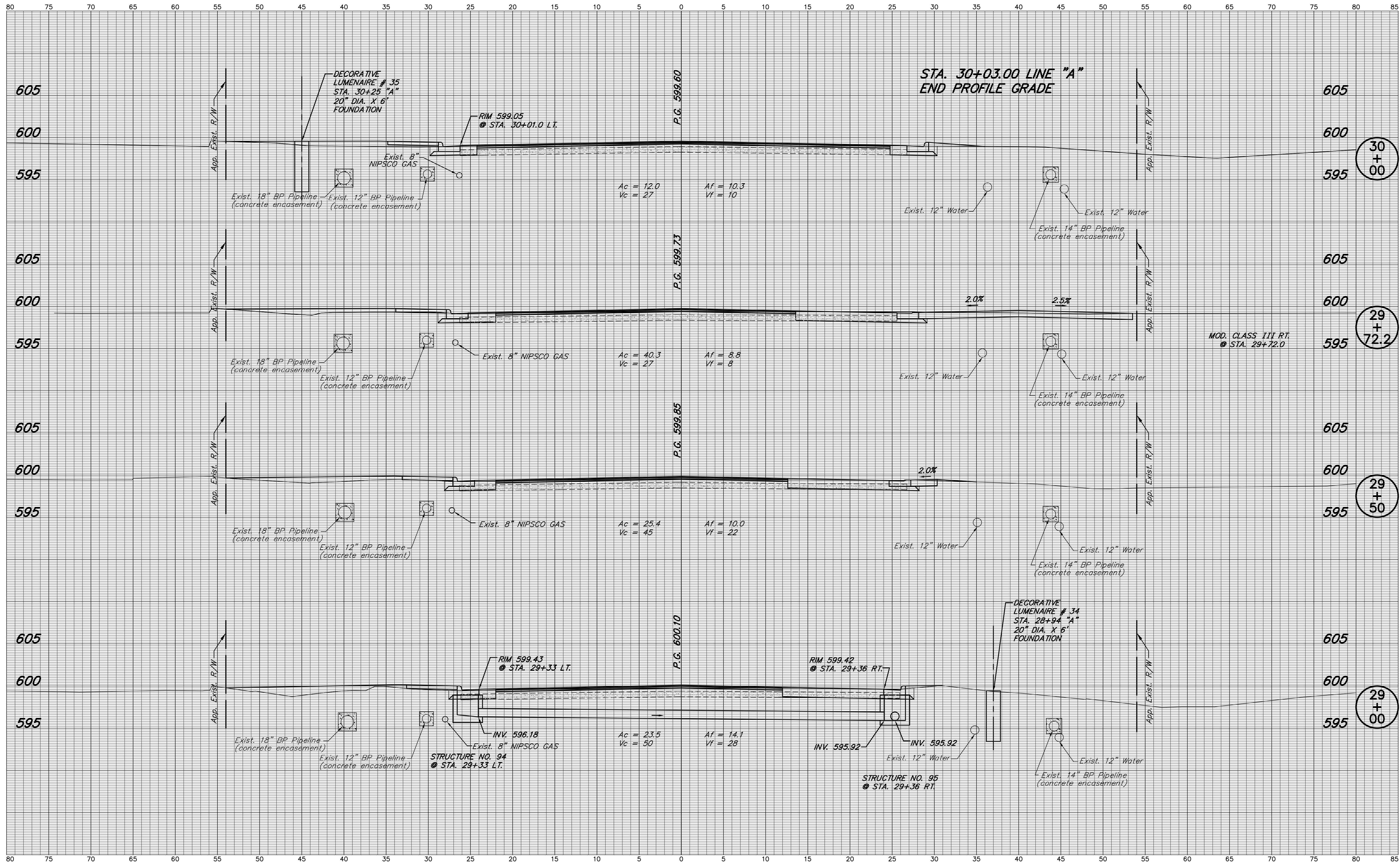


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 CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.

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 S.R. 152 (INDIANAPOLIS BLVD.)
 LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 76 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

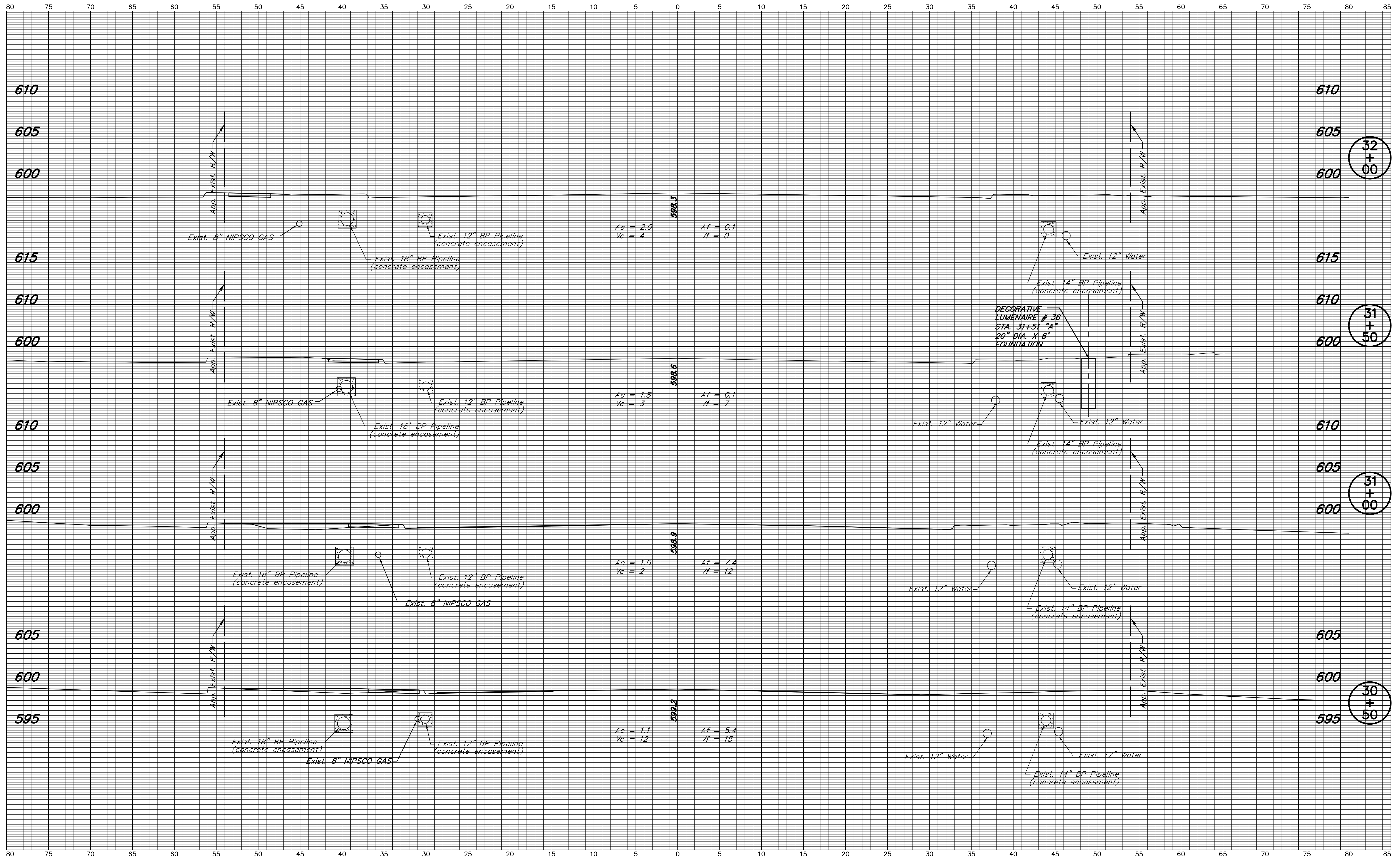


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 LINE "A"

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SURVEY BOOK	SHEETS 77 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

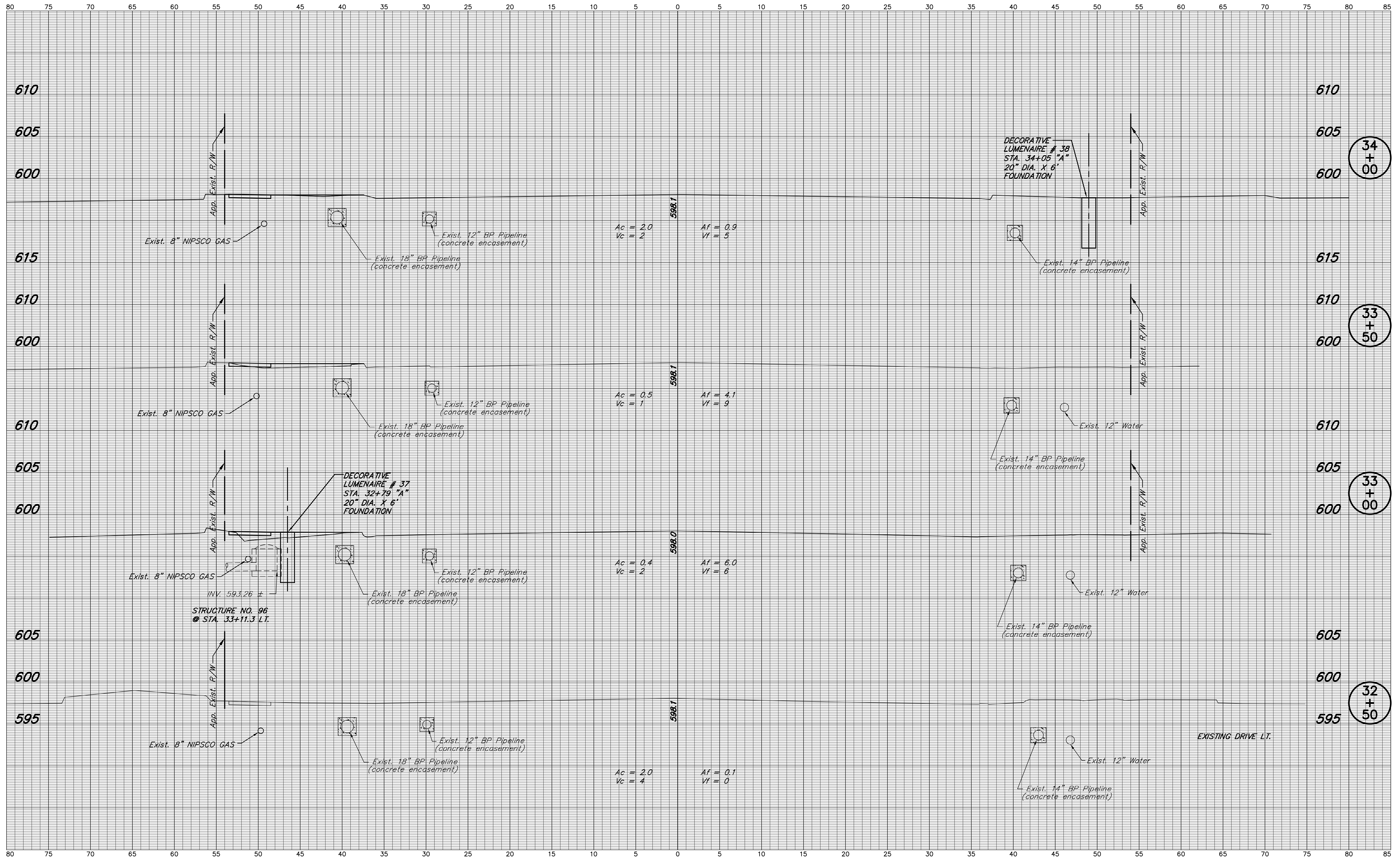


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SURVEY BOOK	SHEETS
	78 of 80
CONTRACT R-28972	PROJECT STP-9945(089)

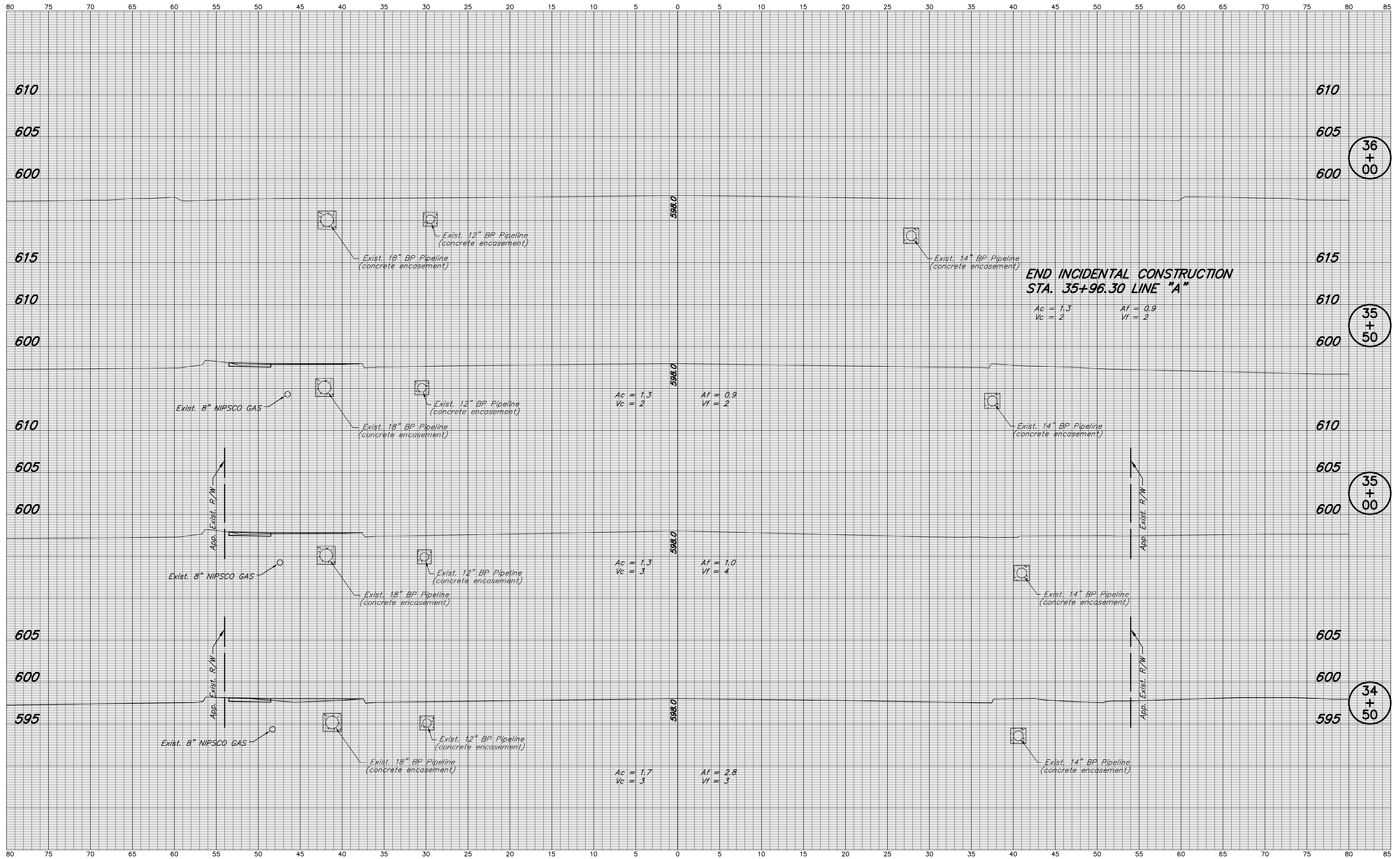


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 LINE "A"

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VERTICAL SCALE 1" = 5'	DESIGNATION 0401043 & 1005297
SURVEY BOOK	SHEETS 79 of 80
CONTRACT R-28972	PROJECT STP-9945(089)



**END INCIDENTAL CONSTRUCTION
STA. 35+96.30 LINE "A"**

$A_c = 1.3$ $A_f = 0.9$
 $V_c = 2$ $V_f = 2$

$A_c = 1.3$ $A_f = 0.9$
 $V_c = 2$ $V_f = 2$

$A_c = 1.3$ $A_f = 1.0$
 $V_c = 3$ $V_f = 4$

$A_c = 1.7$ $A_f = 2.8$
 $V_c = 3$ $V_f = 3$

NOTE: ALL EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE

DESIGNED: J.L.B. DRAWN: M.D.T./ D.F.S. CHECKED: L.C.S./D.W.C. CHECKED: J.L.B.		INDIANA DEPARTMENT OF TRANSPORTATION S.R. 152 (INDIANAPOLIS BLVD.) LINE "A"		HORIZONTAL SCALE	BRIDGE FILE
				1" = 5'	
		VERTICAL SCALE	DESIGNATION		
		1" = 5'	0401043 & 1005297		
		SURVEY BOOK	SHEETS		
			80 of 80		
		CONTRACT	PROJECT		
		R-28972	STP-9945(089)		