

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

September 18, 2011

To: Hamilton County Drainage Board

Re: Anna Kendall Drain, State Road 32 Arm

Attached is the plans and drain map for the State Road 32 Arm of the Anna Kendall Drain. The new drain is being proposed by Indiana Department of Transportation. This proposed drain is located in Washington Township. The proposed drain was constructed with the State Road 32 improvement project and intercepts the E. M. Osborn Arm of the Anna Kendall Drain to provide better drainage north of State Road 32 and provide an outlet for the State Road 32 drainage system.

I have made a personal inspection of the land described below. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a highway and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

8" HDPE - 312 feet	18" RCP - 18 feet	48" RCP - 433 feet
12" RCP - 127 feet	27" RCP - 86 feet	60" RCP - 176 feet
12" HDPE - 388 feet	36" RCP - 681 feet	72" RCP - 3,981 feet
15" RCP - 101 feet	42" RCP - 149 feet	24"x36" RCP - 169 feet

The total length of new drain will be 6, 621 feet.

The new drain (Str. 124) intercepts the E.M. Osborne - Fabcon relocation approximately 30 feet north of existing Structure #5 per the Fabcon As-builts by Weihe Engineers, having job number 95-312. Existing Str. #5 is the same as Str. 121 per the S.R. 32 Improvement Plans. The drain will be vacated from the interception point to Sta. 27+82 of the original 1921 legal description, where the E.M. Osborne tile (main drain) has been capped and a breather set on the south side of S.R. 32. All of Arm #3 of the E.M. Osborne Drain will be vacated per the original 1921 legal description. Arm #2 of the E.M. Osborne Drain was intercepted at approximately Sta. 13+05 based on information found in regards to the Westfield Airport hanger relocation completed by the property owner in 1981, which is Str. 141B on the S.R. 32 Plans. This will vacate a total of 1311 feet from the E.M. Osborne Arm of the Anna Kendall Drain, with 521 feet of it being the main drain, 545 feet being arm #3, and 245 feet being arm #2.

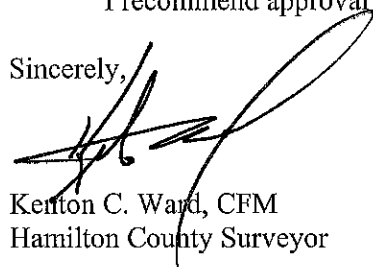
This storm system was designed and installed to accept offsite runoff from drainage area north of State Road 32, at the request of my office. With the construction complete, I recommend that all the area north of the south State Road 32 Right of Way line in the E.M. Osborne arm shed area of the Anna Kendall Drain be removed from the moratorium on the E.M. Osborne Drain per my report dated November 10, 1988 and approved by the Drainage Board on November 14, 1988 (See DB Minute Book #2, pages 308 and 309).

The easement for this new drain shall be 75 feet from the center line of the drain or the existing Right-of-way line of State Road 32, whichever is less.

The cost of the relocation is to be paid by Indiana Department of Transportation. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's property, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a hearing is not required for the petition.

I recommend approval by the Board at this time.

Sincerely,



Keriton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

**Gasb 34 Asset Price &
Drain Length Log**

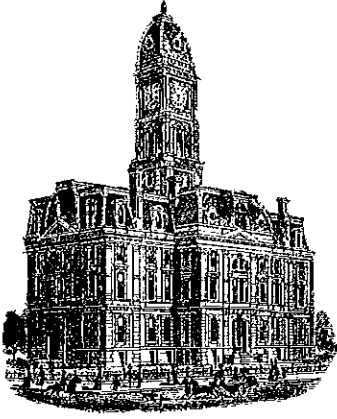
Drain-Improvement: Anna Kendall - S.R.32 Arm

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
HDPE	8"	312	312	/	\$2.18 LF	\$680.16
HDPE	12"	388	388	/	\$3.05 LF	\$1,183.40
RCP	12"	127	127	/	\$7.25 LF	\$920.75
RCP	15"	101	101	/	\$9.50 LF	\$959.50
RCP	18"	18	18	/	\$10.50 LF	\$189.00
RCP	27"	86	86	/	\$21.30 LF	\$1831.80
RCP	36"	681	681	/	\$32.25 LF	\$21,962.25
RCP	42"	149	149	/	\$52.65	\$7844.85
RCP	48"	433	433	/	\$66.55	\$28,816.15
RCP	60"	176	176	/	\$98.85	\$17,397.60
RCP	72"	3981	3981	/	\$154.65	\$615,661.65
ERCP	24"x36"	169	169	/	\$52.25	\$8,830.25

Sum: 6621 6621 φ \$706,277.36

Final Report: N/A

Comments:



122

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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

February 27, 2014

Re: Cool Creek D.A. – Anna Kendall: SR 32 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Anna Kendall: SR 32 Arm. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

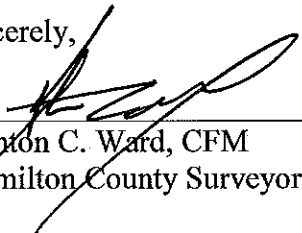
During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated September 18, 2011. The report was approved by the Board at the hearing held October 24, 2011. (See Drainage Board Minutes Book 14, Pages 4-5) Therefore, the length of the drain remains at **6,621 feet**.

It should be noted that the E.M Osborn arm to the Anna Kendall Drain was reconstructed with this drain. The project removed all of original Arm 3 (Sta. 0 to Sta. 5+45) and Arm 2 between Sta. 12+10 to Sta. 15+50. The main E.M. Osborn tile was removed from Sta. 26+80 to Sta. 27+52. Also removed was 419 feet of 12" RCP that was constructed with the Fabcon Relocation of the E.M. Osborn drain.

The drain easement was outlined in my original report to the board as 75' from the centerline of the tile or the existing SR 32 ROW, whichever is less. Sureties were not posted for this project. The project was paid for by the Indiana Department of Transportation.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

PROJECT	DESIGNATION
STP-088-6()	9901670
CONTRACT	
IR-29953	

INDIANA
DEPARTMENT OF
TRANSPORTATION

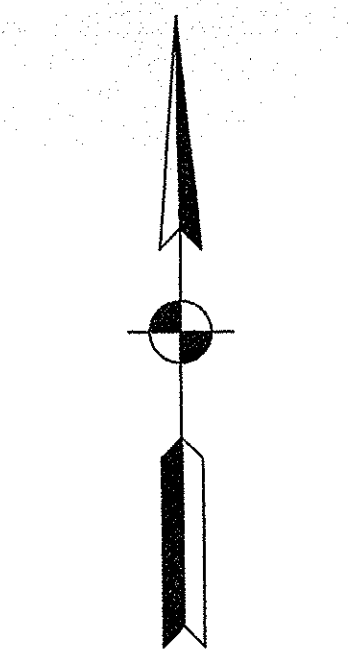
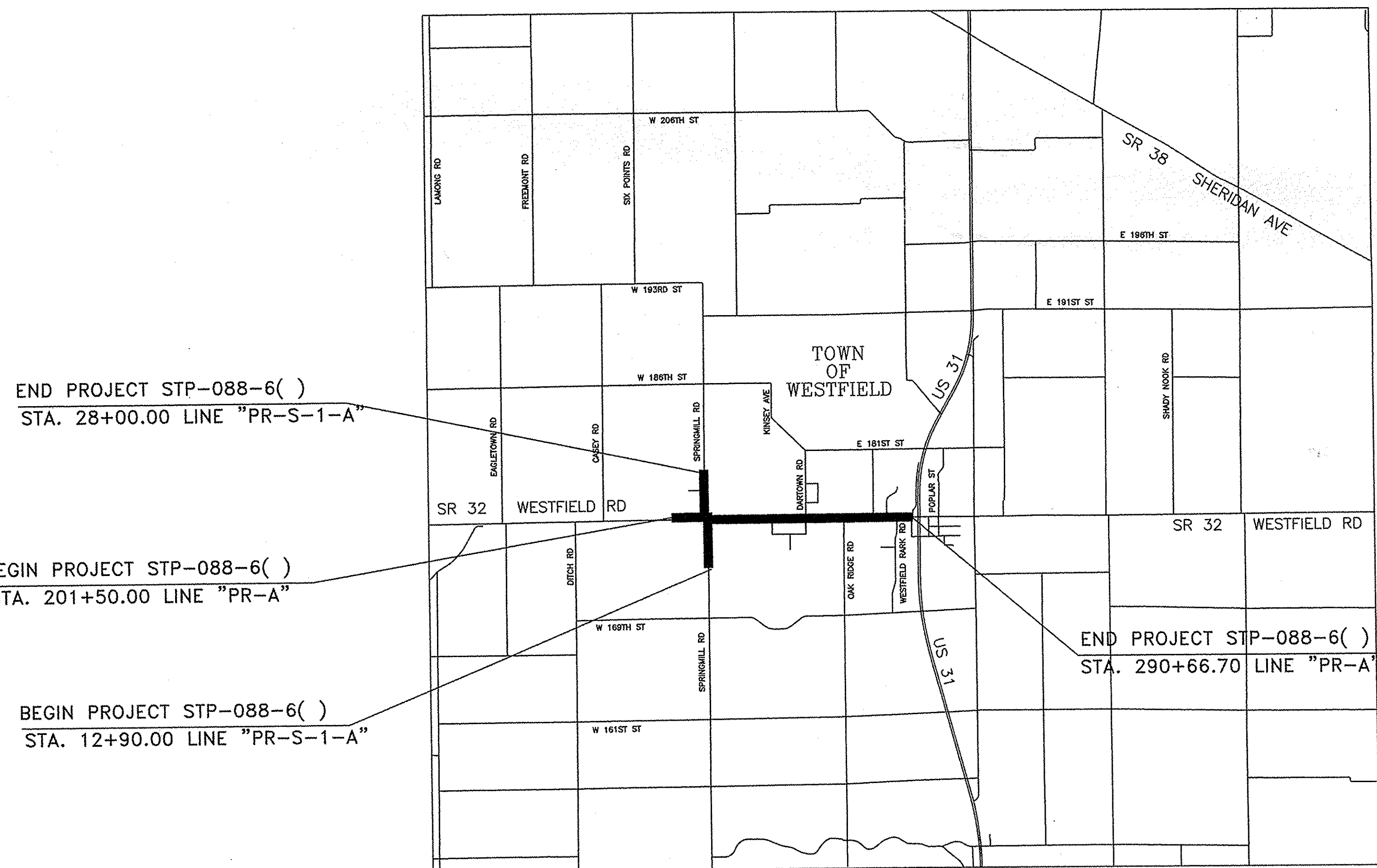
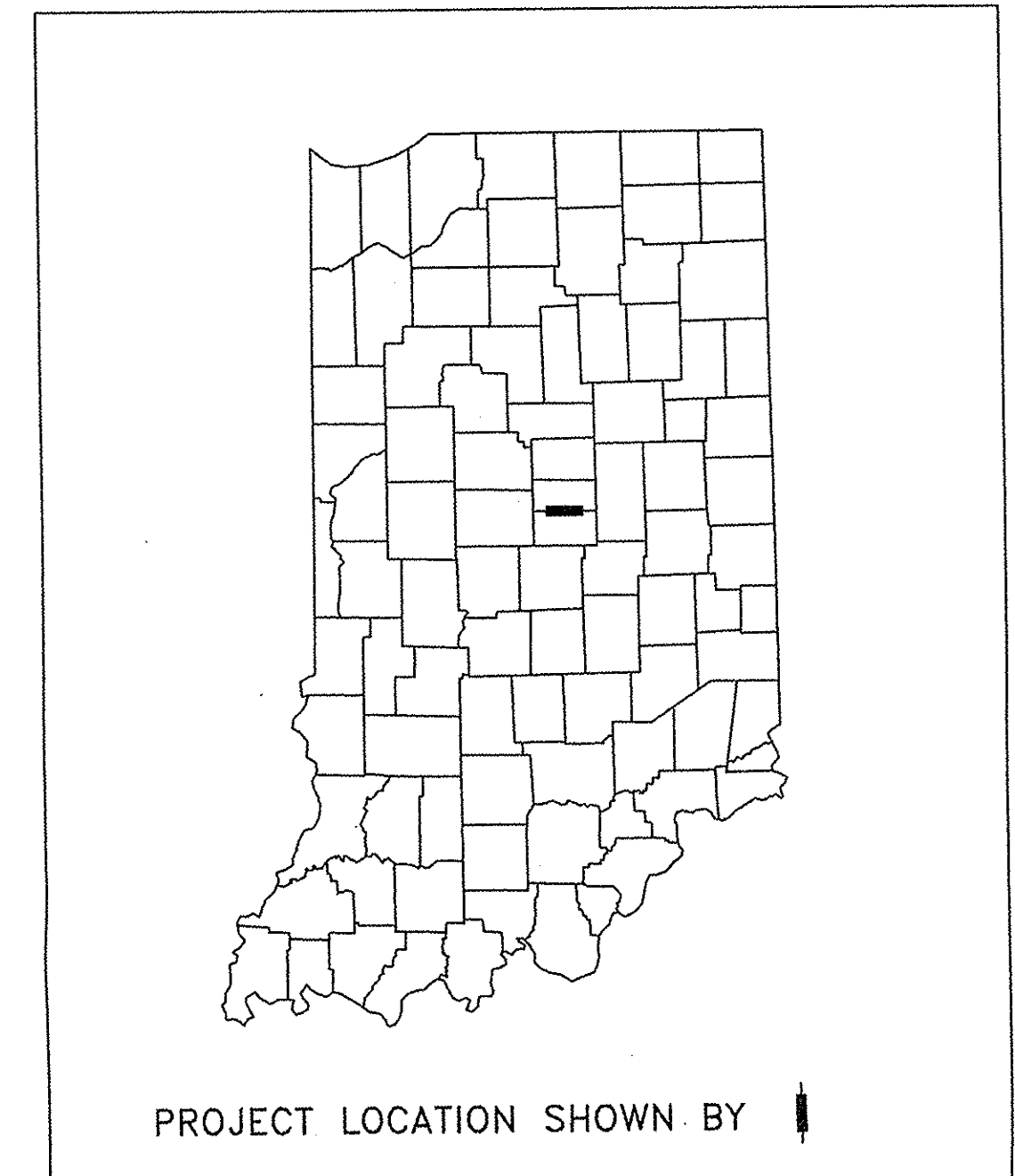
ROAD PLANS
PROJECT NO. STP-088-6() P.E.
STP-088-6() R/W
STP-088-6() CONST.

TRAFFIC DATA	SR 32	SPRING MILL ROAD	DARTOWN ROAD	OAK RIDGE ROAD	WHEELER ROAD	
A.A.D.T. (2005)	20,220	4,060	870	2,800	510	V.P.D.
A.A.D.T. (2025)	33,700	6,760	1,440	4,660	840	V.P.D.
D.H.V. (2025)	3,370	676	115	420	109	V.P.H.
DIRECTIONAL DISTRIBUTION	50	50	50	50	50	%
TRUCKS	7	20	12	5	11	% D.H.V.
	9	20	12	5	11	% A.A.D.T.
DESIGN DATA						
DESIGN SPEED	45	50	30	40	30	M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY)	4R (NON-FREEWAY)	4R (NON-FREEWAY)	4R (NON-FREEWAY)	4R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	MULTI-LANE ARTERIAL	COLLECTOR	COLLECTOR	COLLECTOR	COLLECTOR	
RURAL/URBAN	URBAN (SUBURBAN)	URBAN (SUBURBAN)	URBAN (SUBURBAN)	URBAN (SUBURBAN)	URBAN (SUBURBAN)	
TERRAIN	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	
ACCESS CONTROL	NONE	NONE	NONE	NONE	NONE	

ADDED TRAVEL LANES
S.R. 32 FROM 1.6 MILES WEST OF US 31 TO US 31
HAMILTON COUNTY, INDIANA

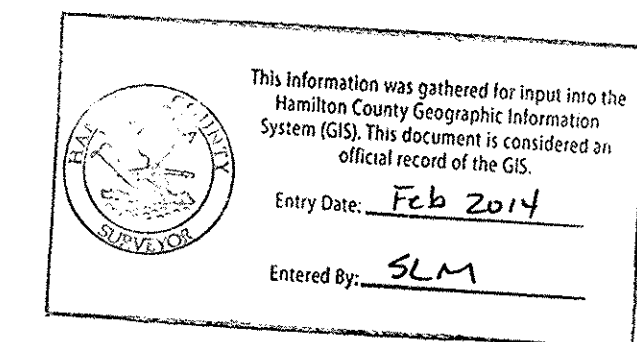
ROUTE: SR 32 AT: RP 76+82 to RP 78+51

GROSS LENGTH 1.69 Mi. PLAN {LONG: 1":50'
NET LENGTH 1.69 Mi. {TRANS: 1":50' PROFILE {HORIZ: 1":50'
MAX. GRADE: 1.04% {VERT: 1":5'



NOT TO SCALE

Note: These Plans Are Prepared Using English Dimensions



* Pipe Lengths & Sizes based upon field verification by HCSO Inspector & plan reviewer - SLM Feb. 2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2008
TO BE USED WITH THESE PLANS

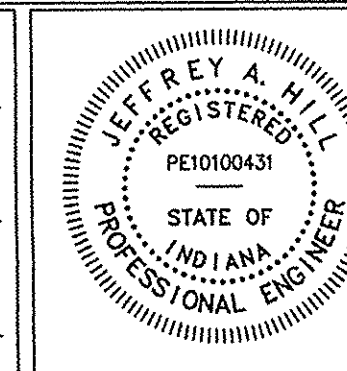
LOCATION MAP
HAMILTON COUNTY, INDIANA

PLANS
PREPARED BY: The Corradino Group
200 South Meridian Street Suite 330
Indianapolis, Indiana 46225 (317) 488-2363
PHONE NUMBER

CERTIFIED BY: *[Signature]* 12/12/2007 DATE

APPROVED FOR LETTING: _____ DATE

CHIEF, DIVISION OF DESIGN



DESIGNATION	9901670
SHEETS	1 of 211
CONTRACT	IR-29953
PROJECT	STP-088-6()

IMAGE FILES : \\p01001\29953\INDOT\SR 32\Design\EP_Output\001_Title.dwg / Layout
REFERENCES : 01-DCT-07, 13-24-41 / Cocone
MRD\AVI

UTILITIES

ELECTRIC: DUKE ENERGY, INC.
100 MILL CREEK ROAD
NOBLESVILLE, IN 46060
CONTACT: MIKE KOONTZ
PH: (317) 839-9611

GAS: CITIZEN'S GAS & COKE UTILITY
2150 DR. MARTIN LUTHER KING JR. ST.
INDIANAPOLIS, IN 46202
CONTACT: RICH MILLER
PH: (317) 927-6047

TELEPHONE: VERIZON, INC.
20905 HAGUE ROAD
NOBLESVILLE, IN 46060
CONTACT: STEVE COSTLOW
PH: (317) 984-2334

WATER & SANITARY SEWER: TOWN OF WESTFIELD WATER WORKS IMPROVMENTS
SANITARY SEWERAGE SYSTEM
2706 E. 171st STREET
WESTFIELD, IN 46074
CONTACT: NEIL VANTREES
PH: (317) 896-5452

CABLE TV: INSIGHT COMMUNICATIONS
15229 STONY CREEK WAY
NOBLESVILLE, IN 46060
CONTACT: MATT STRINGER
PH: (317) 776-4484 x240

PETROLEUM PRODUCTS: MARATHON ASHLAND PIPELINE CO.
9322 W. 30th STREET
INDIANAPOLIS, IN 46234
CONTACT: GENE BAKER
PH: (317) 291-9460 x237

"HOLEY MOLEY SAYS"

DON'T DIG BLIND
1-800-882-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

BUCKEYE PIPELINE CO.
940 BUCKEYE ROAD
LIMA, OH 45804
CONTACT: MARTY WHITE
PH: (419) 223-4015 x109

GENERAL NOTES

**	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulched seeded except where sodding is specified.
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. _____ and Sta. _____, shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
** REPRESENTS GENERAL NOTES REQUIRED	

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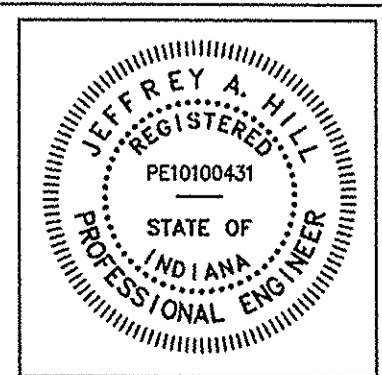
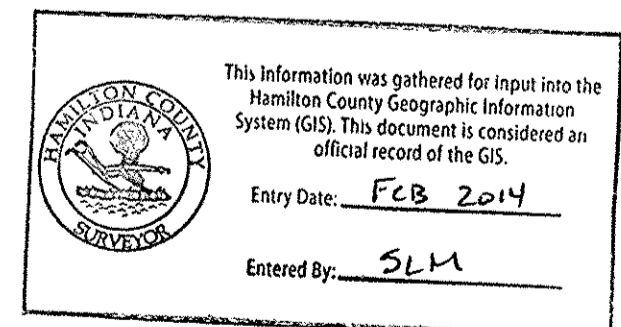
SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INDEX AND GENERAL NOTES SHEET
3-7	TYPICAL CROSS SECTIONS
8-10	PLAT NO. 1
11-24	MAINTENANCE OF TRAFFIC
25-31	PLAN & PROFILE: LINE "PR-A" (SR 32)
32-33	PLAN & PROFILE: LINE "PR-S-1-A" (SPRINGMILL ROAD)
34	PLAN & PROFILE: LINE "S-3-A" (AUSTRIAN PINE ROAD)
35	PLAN & PROFILE: LINE "S-4-A" (DARTOWN ROAD)
36	PLAN & PROFILE: LINE "PR-S-5-A" (OAK RIDGE ROAD)
37	PLAN & PROFILE: LINE "PR-S-6-A" (SPRUCE LANE)
38	PLAN & PROFILE: LINE "PR-S-7-A" (WHEELER ROAD)
39	PLAN & PROFILE: LINE "S-8-A" (SUNPARK DRIVE)
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119-211	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

ABBREVIATIONS

R/W	RIGHT-OF-WAY
L.A.R/W	LIMITED ACCESS RIGHT-OF-WAY
A.C.L.	ACCESS CONTROL LINE
C.L.T.F.	CHAIN LINK TYPE FENCE
F.F.T.F.	FARM FIELD TYPE FENCE
APP. P.L.	APPARENT PROPERTY LINE
APP. EXIST. R/W	APPARENT EXISTING RIGHT-OF-WAY
L.S.R.	LOCAL SERVICE ROAD
	BEGINNING L.A. R/W
	ENDING L.A. R/W
N.E.P.L.	NO EVIDENCE OF PROPERTY LINE



RECOMMENDED FOR APPROVAL: *[Signature]* 12/12/2007
DESIGN ENGINEER DATE

DESIGNED: MV DRAWN: AS
CHECKED: JH CHECKED: JH

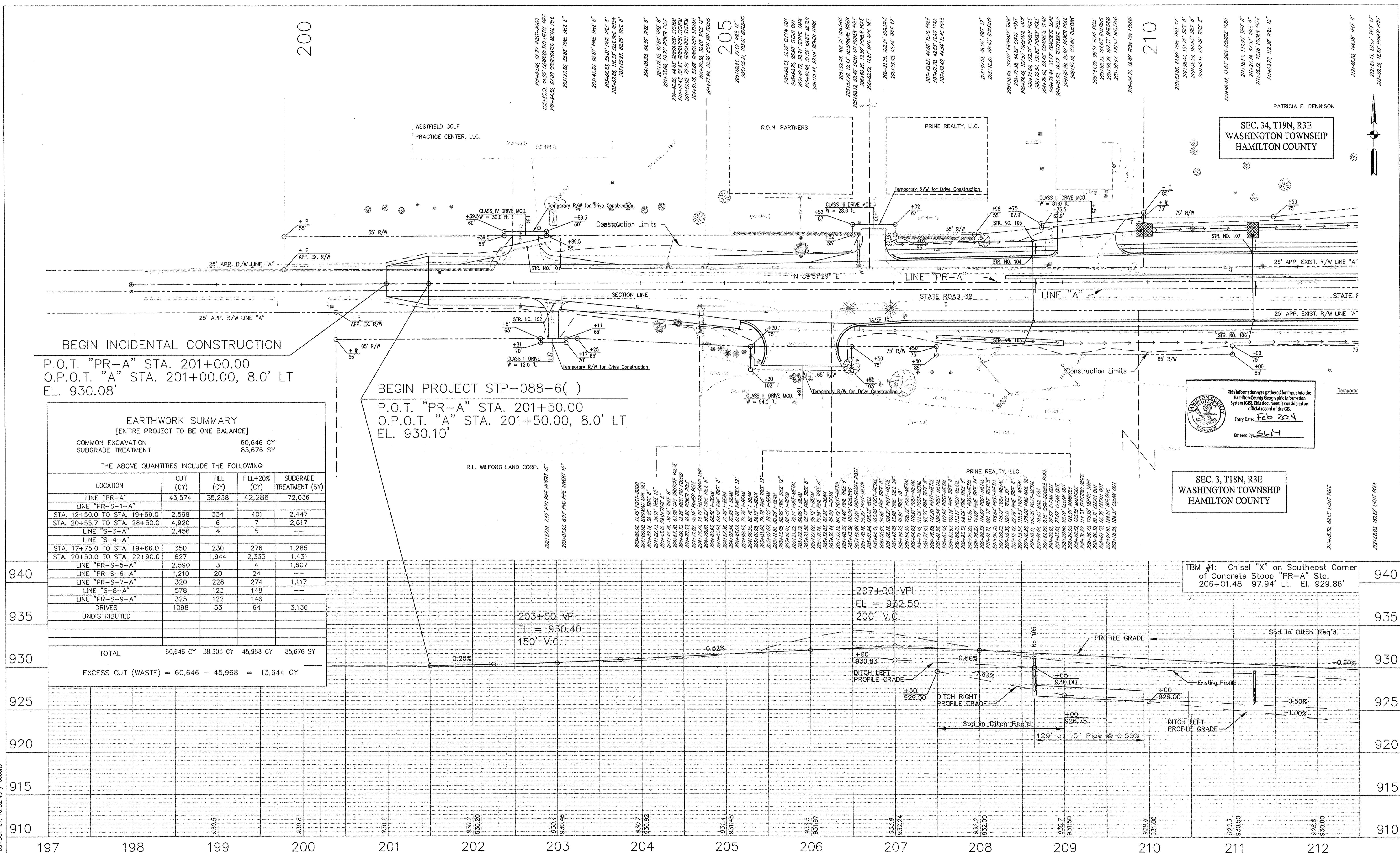
INDIANA DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

HORIZONTAL SCALE	N/A	DESIGNATION	9901670
VERTICAL SCALE	N/A	SURVEY BOOK	16948
		SHEETS	2 of 211
		CONTRACT	IR-29953
		PROJECT	STP-088-6()

IMAGE FILES : x:\view\3253\INDOT SR 320\Design\EP Output\002 Index.dwg / Layout1
REFERENCES : 01-DCT-07, 13-42-36 / Occure

YOU WILL RECEIVE: INSTRUCTIONS, STATIONING, & PROFILE SHEETS
 REFERENCES: INDOT SP-23(1) (10/2007) & SP-23(2) (10/2007)
 DATE: 08-01-07, 10:52:49 / Contents



BEGIN INCIDENTAL CONSTRUCTION
 P.O.T. "PR-A" STA. 201+00.00
 O.P.O.T. "A" STA. 201+00.00, 8.0' LT
 EL. 930.08'

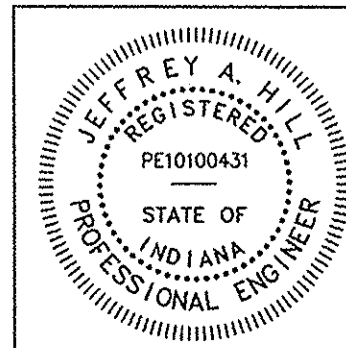
BEGIN PROJECT STP-088-6()
 P.O.T. "PR-A" STA. 201+50.00
 O.P.O.T. "A" STA. 201+50.00, 8.0' LT
 EL. 930.10'

EARTHWORK SUMMARY				
[ENTIRE PROJECT TO BE ONE BALANCE]				
COMMON EXCAVATION				60,646 CY
SUBGRADE TREATMENT				85,676 SY
THE ABOVE QUANTITIES INCLUDE THE FOLLOWING:				
LOCATION	CUT (CY)	FILL (CY)	FILL+20% (CY)	SUBGRADE TREATMENT (SY)
LINE "PR-A"	43,574	35,238	42,286	72,036
LINE "PR-S-1-A"				
STA. 12+50.0 TO STA. 19+69.0	2,598	334	401	2,447
STA. 20+55.7 TO STA. 28+50.0	4,920	6	7	2,617
LINE "S-3-A"	2,456	4	5	--
LINE "S-4-A"				
STA. 17+75.0 TO STA. 19+66.0	350	230	276	1,285
STA. 20+50.0 TO STA. 22+90.0	627	1,944	2,333	1,431
LINE "PR-S-5-A"	2,590	3	4	1,607
LINE "PR-S-6-A"	1,210	20	24	--
LINE "PR-S-7-A"	320	228	274	1,117
LINE "S-8-A"	578	123	148	--
LINE "PR-S-9-A"	325	122	146	--
DRIVES	1098	53	64	3,136
UNDISTRIBUTED				
TOTAL	60,646 CY	38,305 CY	45,968 CY	85,676 SY
EXCESS CUT (WASTE) = 60,646 - 45,968 = 13,644 CY				

This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: Feb 2014
 Entered By: SLM

SEC. 3, T18N, R3E
 WASHINGTON TOWNSHIP
 HAMILTON COUNTY

TBM #1: Chisel "X" on Southeast Corner of Concrete Stoop "PR-A" Sta. 206+01.48 97.94' Lt. El. 929.86'

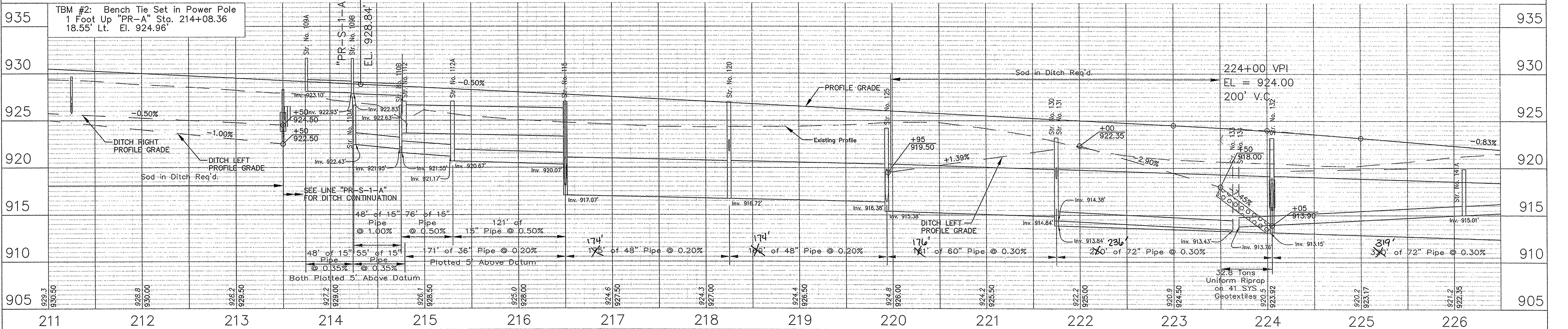
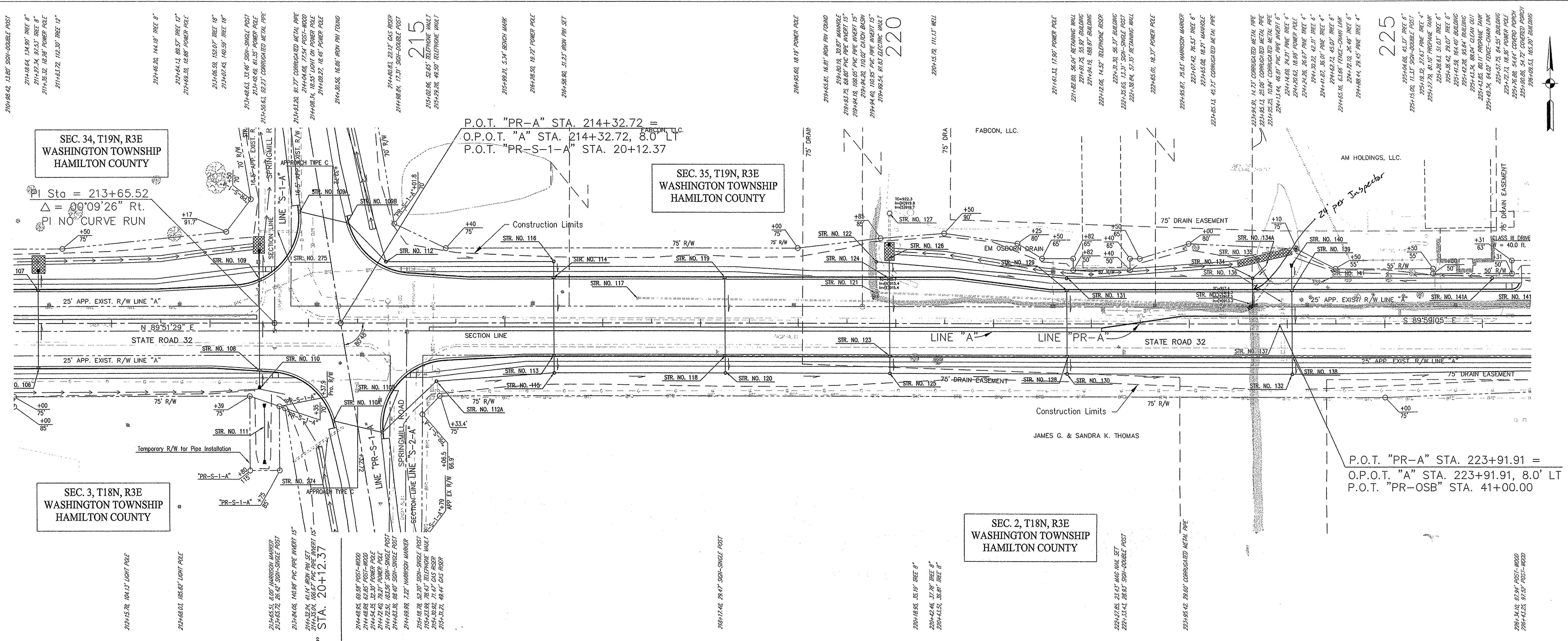


RECOMMENDED FOR APPROVAL: *J. Hill*
 DESIGN ENGINEER DATE: 12/12/2007
 DESIGNED: MV DRAWN: AS
 CHECKED: JH CHECKED: JH

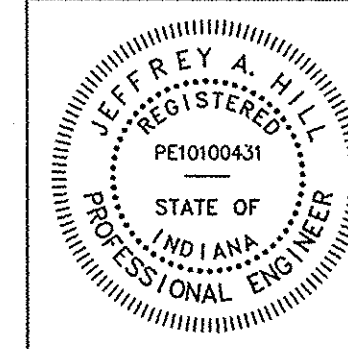
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE LINE "PR-A"
 STA. 197+00 TO 212+00

HORIZONTAL SCALE	1:50	DESIGNATION	9901670
VERTICAL SCALE	1:5	SURVEY BOOK	16948
SHEETS	25 of 211	CONTRACT	IR-29953
PROJECT	STP-088-6()		

IMAGE FILES : X:\OUTLINE_cpr001; 32PROP; TOPBASE; StormProf_001; F:\Civil_3253\IN001_Sr_32_Design\EP_Output\08 Plan & Profile SR32.dwg / Layout1
REFERENCES : 28-SEP-07, 14:00:35 / Coords



STATE OF INDIANA PROFESSIONAL ENGINEER



RECOMMENDED FOR APPROVAL: *J Hill* DESIGN ENGINEER, DATE: 12/12/2007
DESIGNED: MV, DRAWN: AS, CHECKED: JH

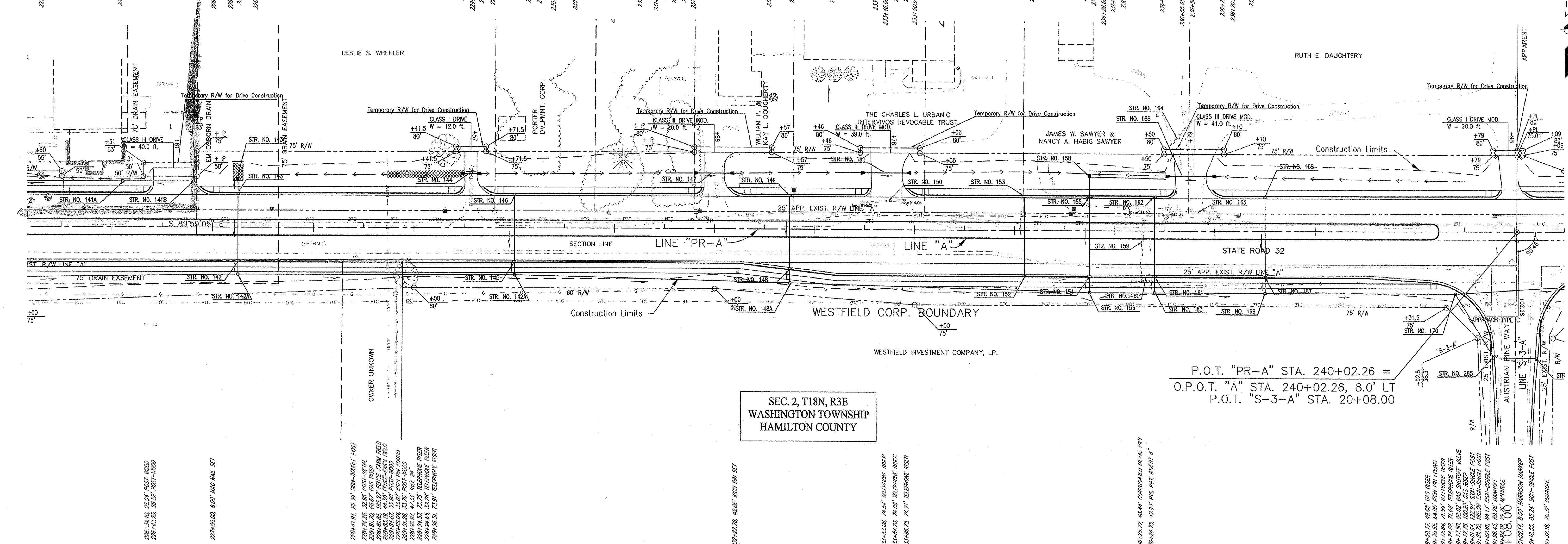
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE LINE "PR-A"
STA. 212+00 TO 226+00

HORIZONTAL SCALE: 1:50	DESIGNATION: 9901670
VERTICAL SCALE: 1:5	SURVEY BOOK: 16948
SHEETS: 26 of 211	CONTRACT: IR-29953
PROJECT: STP-088-6()	

225
 225+04.08, 45.17' TREE 6"
 225+16.00, 11.51' SOIL-DRAINABLE POST
 225+18.12, 21.63' PINE TREE 4"
 225+27.79, 11.10' PROPANE TANK
 225+38.61, 20.07' TREE 6"
 225+41.59, 19.40' BUILDING
 225+42.28, 55.64' BUILDING
 225+43.34, 18.00' CLEAR CUT
 225+43.50, 16.10' FENCE-CHINA LINK
 225+43.60, 15.10' FENCE-CHINA LINK
 225+43.71, 14.10' FENCE-CHINA LINK
 225+43.81, 13.10' FENCE-CHINA LINK
 225+43.91, 12.10' FENCE-CHINA LINK
 225+44.01, 11.10' FENCE-CHINA LINK
 225+44.11, 10.10' FENCE-CHINA LINK
 225+44.21, 9.10' FENCE-CHINA LINK
 225+44.31, 8.10' FENCE-CHINA LINK
 225+44.41, 7.10' FENCE-CHINA LINK
 225+44.51, 6.10' FENCE-CHINA LINK
 225+44.61, 5.10' FENCE-CHINA LINK
 225+44.71, 4.10' FENCE-CHINA LINK
 225+44.81, 3.10' FENCE-CHINA LINK
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 225+48.11, 0.10' FENCE-CHINA LINK
 225+48.21, 0.10' FENCE-CHINA LINK
 225+48.31, 0.10' FENCE-CHINA LINK
 225+48.41, 0.10' FENCE-CHINA LINK
 225+48.51, 0.10' FENCE-CHINA LINK
 225+48.61, 0.10' FENCE-CHINA LINK
 225+48.71, 0.10' FENCE-CHINA LINK
 225+48.81, 0.10' FENCE-CHINA LINK
 225+48.91, 0.10' FENCE-CHINA LINK
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 225+49.11, 0.10' FENCE-CHINA LINK
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 225+49.31, 0.10' FENCE-CHINA LINK
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 225+49.61, 0.10' FENCE-CHINA LINK
 225+49.71, 0.10' FENCE-CHINA LINK
 225+49.81, 0.10' FENCE-CHINA LINK
 225+49.91, 0.10' FENCE-CHINA LINK
 226+00.00, 0.00' FENCE-CHINA LINK

SEC. 35, T19N, R3E
 WASHINGTON TOWNSHIP
 HAMILTON COUNTY

240
 239+00.00, 15.84' POWER POLE
 240+43.33, 17.34' POST-WOOD



SEC. 2, T18N, R3E
 WASHINGTON TOWNSHIP
 HAMILTON COUNTY

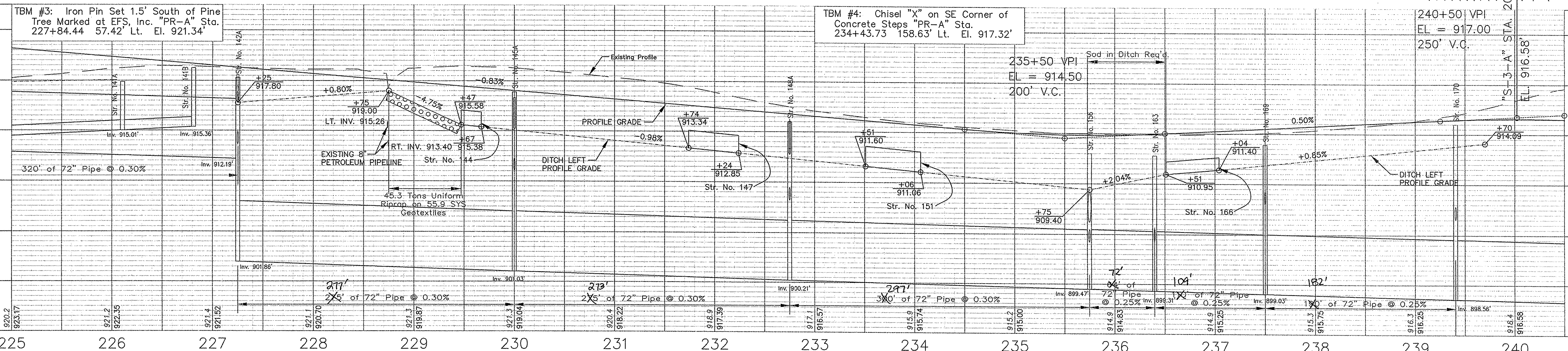
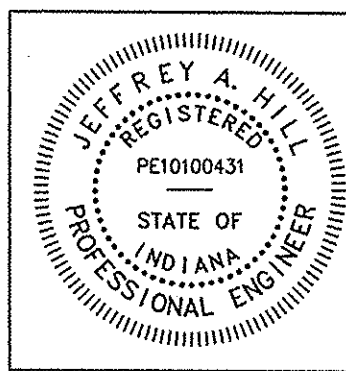


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 MTD: JH

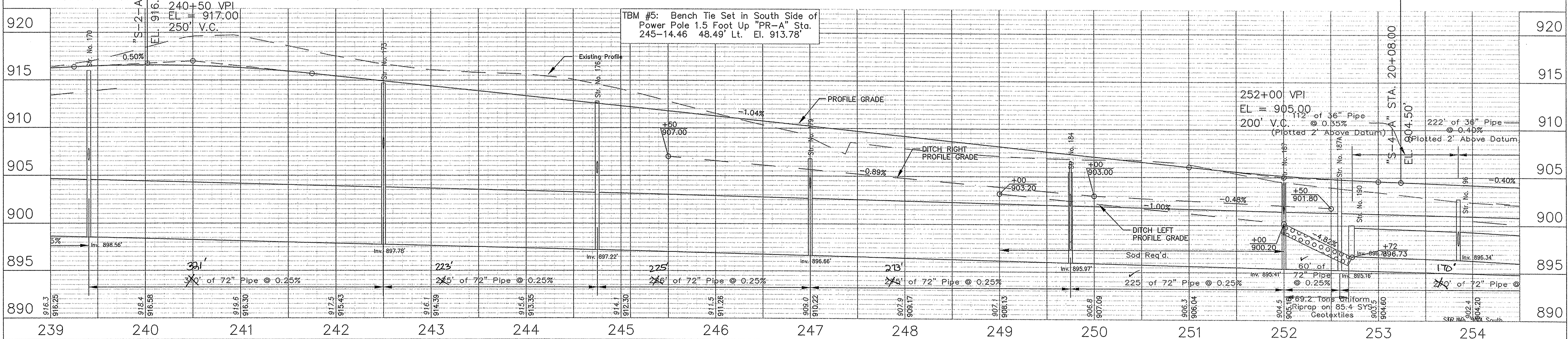
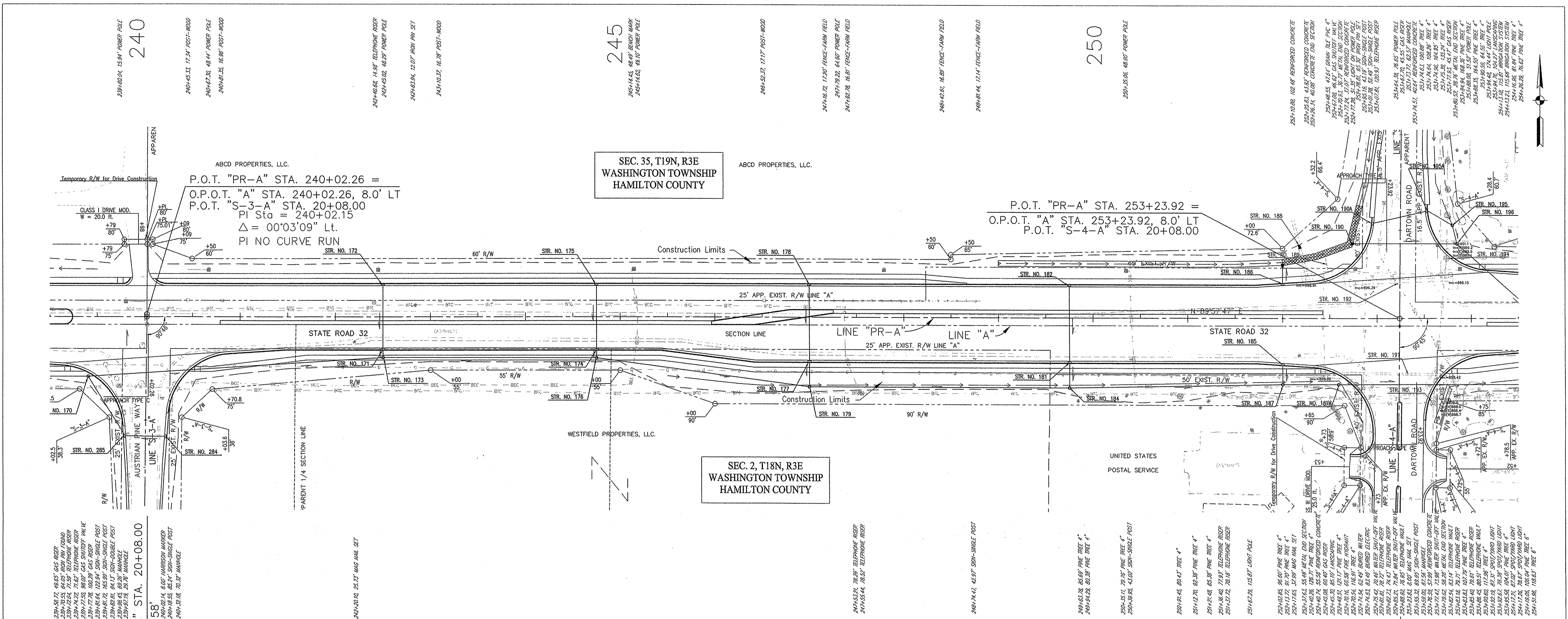


RECOMMENDED FOR APPROVAL: *JH*
 DESIGN ENGINEER: JH
 DATE: 12/12/2007
 DESIGNED: MV
 DRAWN: AS
 CHECKED: JH
 CHECKED: JH

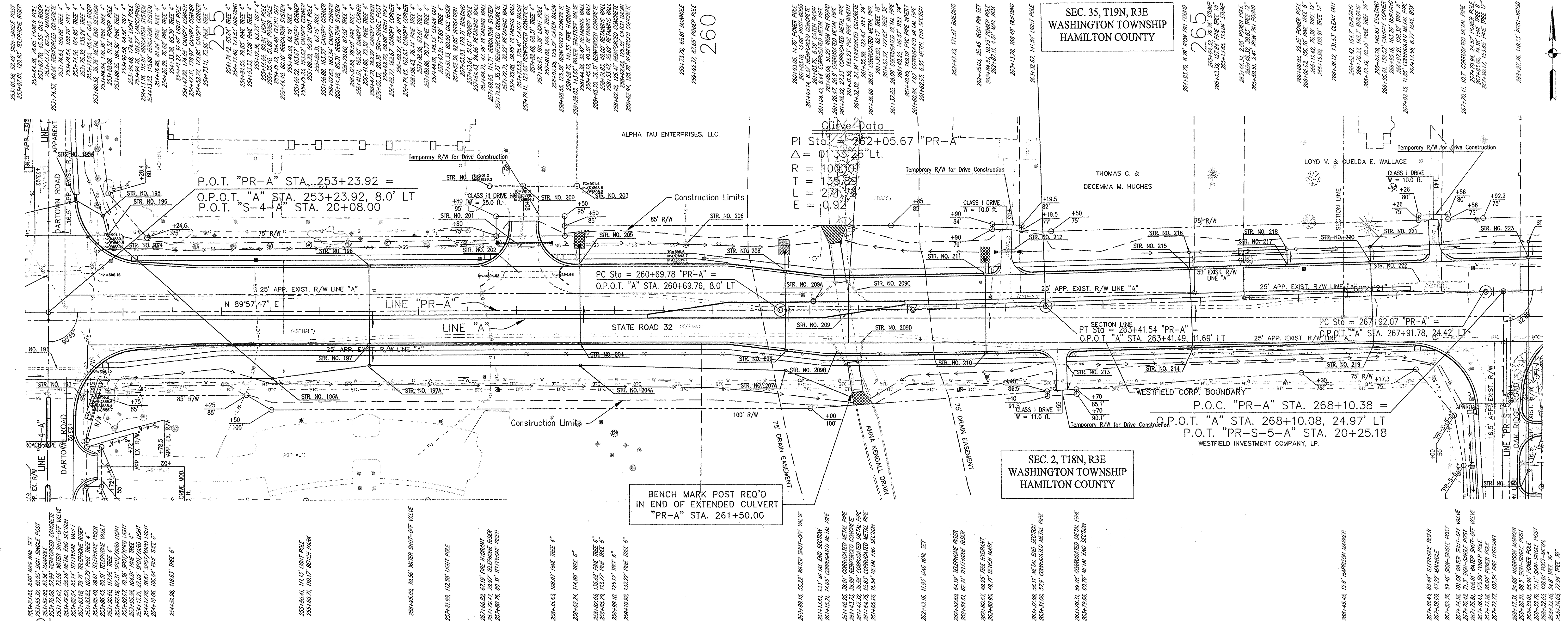
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE LINE "PR-A"
 STA. 226+00 TO 240+00

HORIZONTAL SCALE	1:50
VERTICAL SCALE	1:5
DESIGNATION	9901670
SURVEY BOOK	16948
SHEETS	27 of 211
CONTRACT	IR-29953
PROJECT	STP-088-6()

I:\WORK\23PROP\TOPBASE\cpr\001_StormProf_001.dwg / Layout1
 I:\WORK\23PROP\INDOT\SR_32\Design\EP_Output\030_Plan & Profile SR32.dwg / Layout1
 26-SEP-07 13:55:54 / Cocom



	RECOMMENDED FOR APPROVAL DESIGN ENGINEER	12/12/2007 DATE	HORIZONTAL SCALE 1:50 VERTICAL SCALE 1:5 DESIGNATION 9901670
	DESIGNED: MV CHECKED: JH	DRAWN: AS CHECKED: JH	
INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "PR-A" STA. 240+00 TO 254+00			SHEETS 28 of 111 PROJECT STP-088-6()



Curve Data
 PI Sta. = 262+05.67 "PR-A"
 $\Delta = 01^{\circ}33'26''$ Lt.
 $R = 10000'$
 $T = 155.89'$
 $L = 271.76'$
 $E = 0.92'$

P.O.T. "PR-A" STA. 253+23.92 =
 O.P.O.T. "A" STA. 253+23.92, 8.0' LT
 P.O.T. "S-4-A" STA. 20+08.00

PC Sta = 260+69.78 "PR-A" =
 O.P.O.T. "A" STA. 260+69.76, 8.0' LT

PT SECTION LINE = 263+41.54 "PR-A"
 O.P.O.T. "A" STA. 263+41.49, 11.69' LT

P.O.C. "PR-A" STA. 268+10.38 =
 O.P.O.T. "A" STA. 268+10.08, 24.97' LT
 P.O.T. "PR-S-5-A" STA. 20+25.18
 WESTFIELD INVESTMENT COMPANY, LP.

BENCH MARK POST REQ'D
 IN END OF EXTENDED CULVERT
 "PR-A" STA. 261+50.00

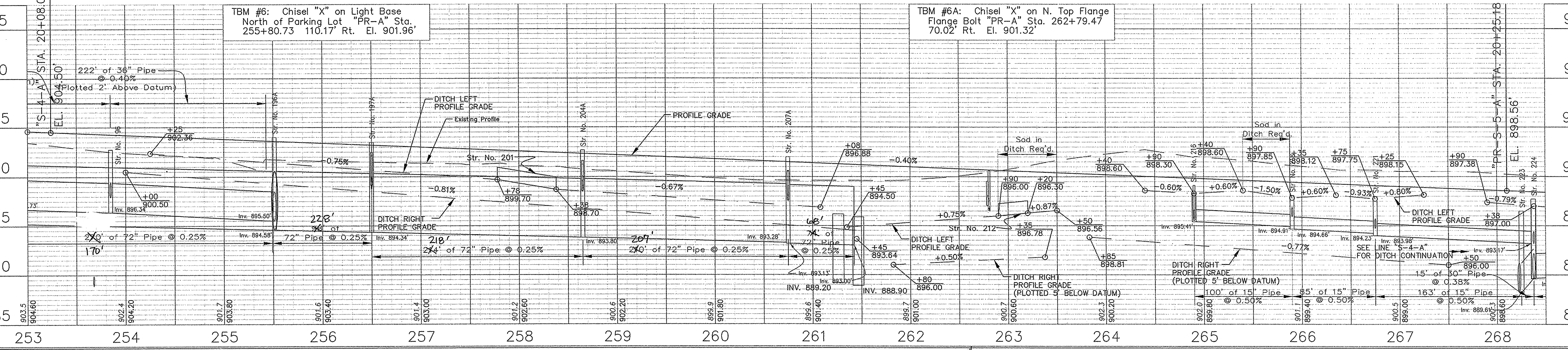
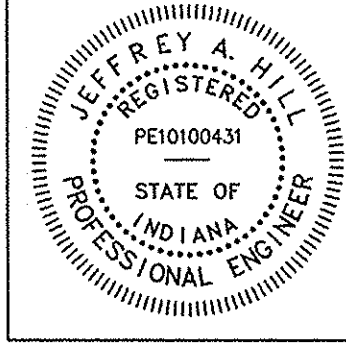


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 MRO\INT

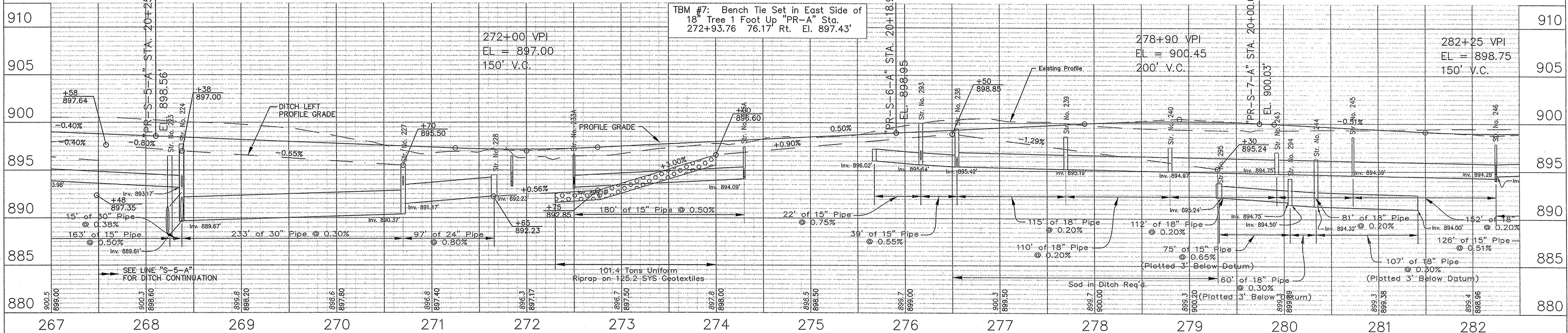
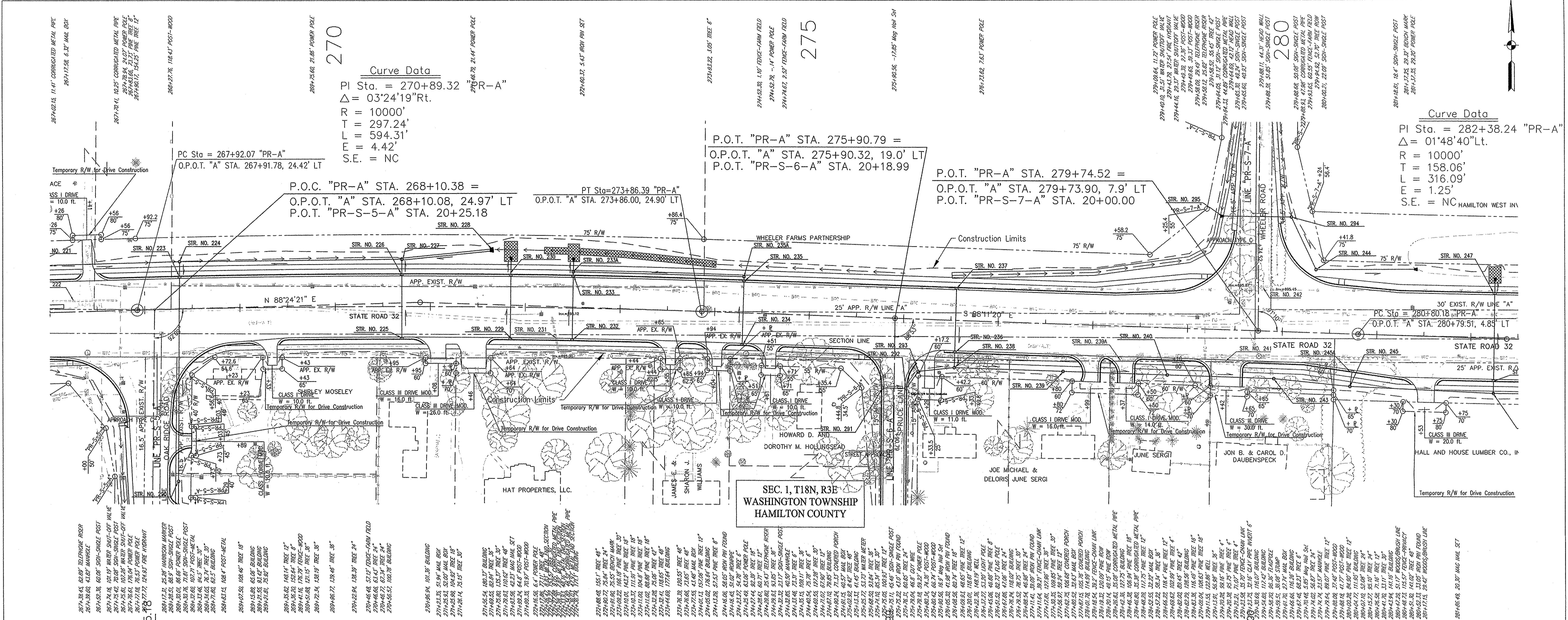


RECOMMENDED FOR APPROVAL
 DESIGN ENGINEER: *J. Hill*
 DATE: 12/12/2007
 DESIGNED: MV
 DRAWN: AS
 CHECKED: JH
 CHECKED: JH

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE LINE "PR-A"
STA. 254+00 TO 268+00

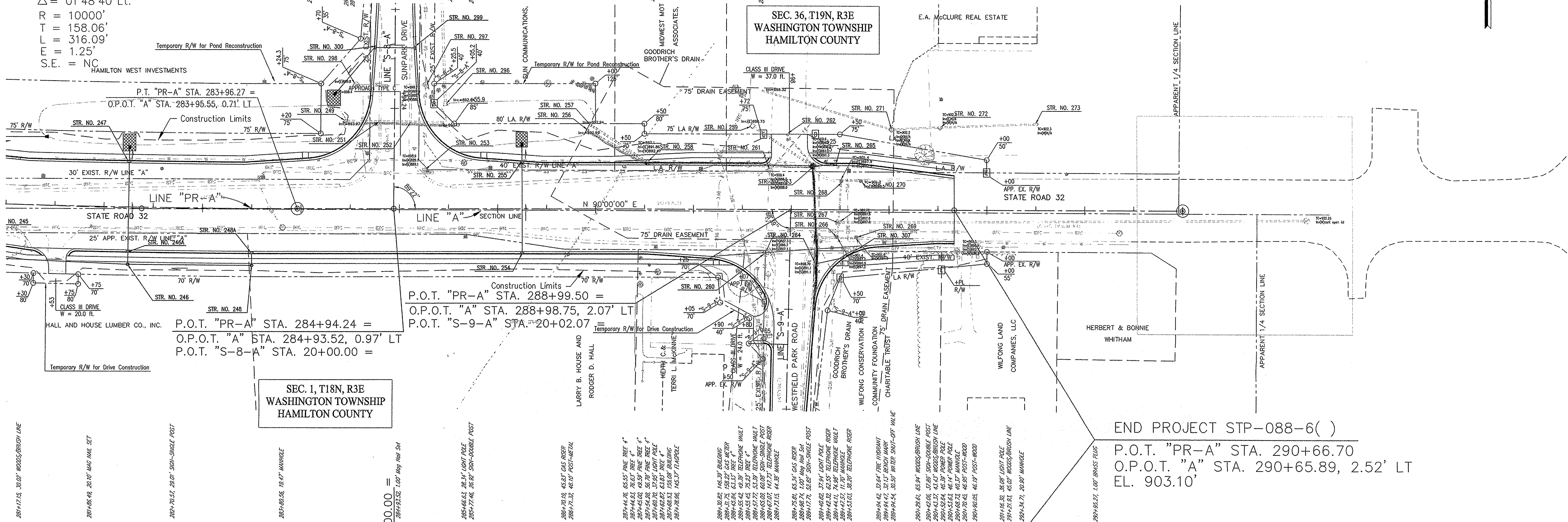
HORIZONTAL SCALE	1:50
VERTICAL SCALE	1:5
DESIGNATION	9901670
SURVEY BOOK	16948
CONTRACT	IR-29953
SHEETS	29 of 211
PROJECT	STP-088-6()

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 26-SEP-07, 13:51:53 / Coocns



	RECOMMENDED FOR APPROVAL 	12/12/2007 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:50	DESIGNATION 9901670
	DESIGNED: MV CHECKED: JH	DRAWN: AS CHECKED: JH		PLAN AND PROFILE LINE "PR-A" STA. 268+00 TO 282+00	SURVEY BOOK 16948
				VERTICAL SCALE 1:5	CONTRACT IR-29953
				PROJECT STP-088-6()	

Curve Data
 ΔI Sta. = 282+38.24 PR-A"
 Δ = 01°48'40" Lt.
 R = 10000'
 T = 158.06'
 L = 316.09'
 E = 1.25'
 S.E. = NC

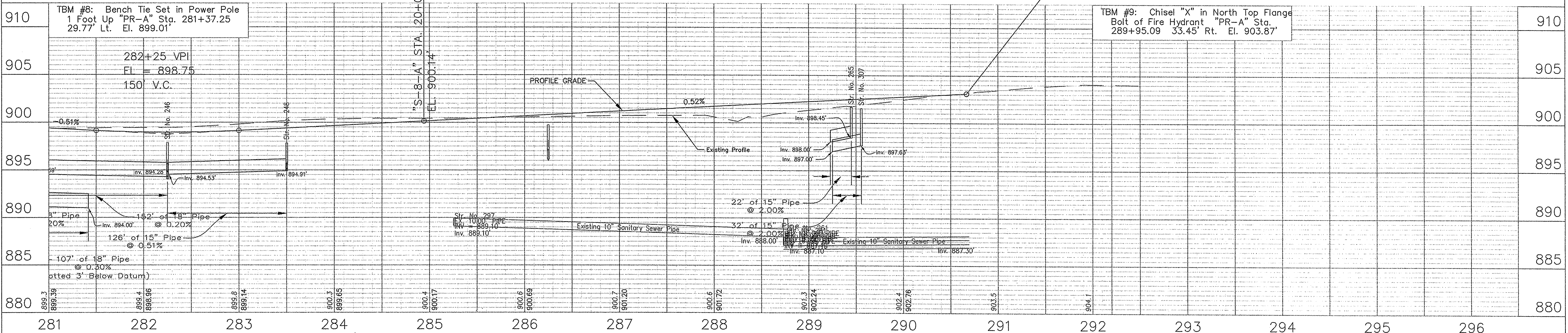


SEC. 1, T18N, R3E
 WASHINGTON TOWNSHIP
 HAMILTON COUNTY

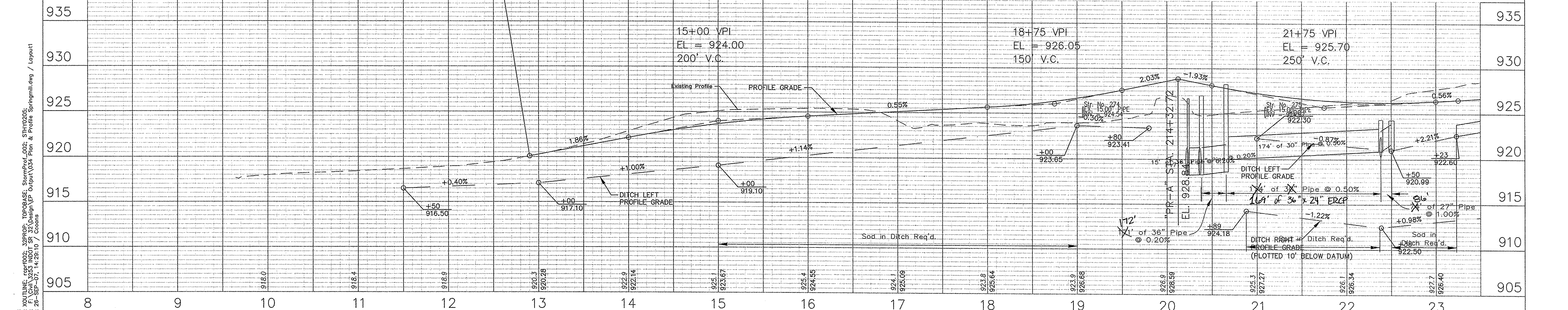
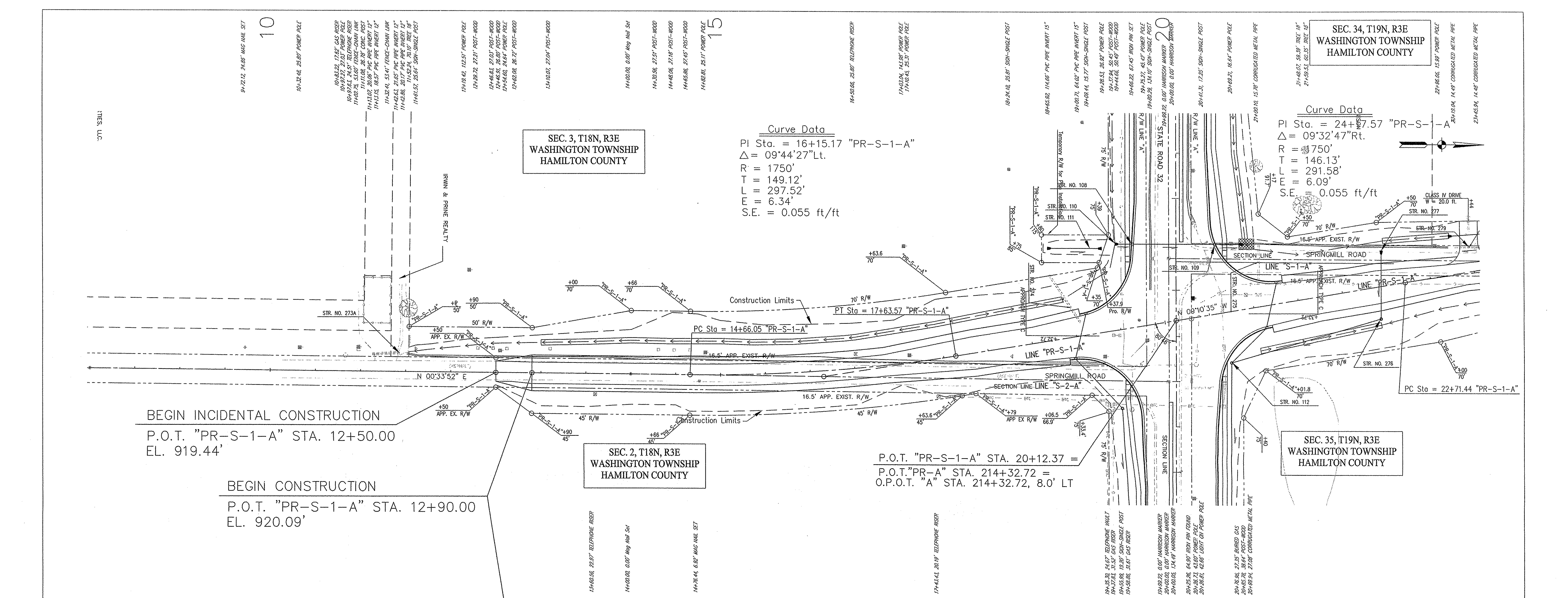
SEC. 36, T19N, R3E
 WASHINGTON TOWNSHIP
 HAMILTON COUNTY

END PROJECT STP-088-6()
 P.O.T. "PR-A" STA. 290+66.70
 O.P.O.T. "A" STA. 290+65.89, 2.52' LT
 EL. 903.10'

IMAGE FILES : X:\PROJECTS\TOPBASE\StormProf_001
 REFERENCES : F:\Cadd\2025\INDO1_SR_22_Design\EP_Output\033_Plan & Profile SR32.dwg / Layout1
 : 20-SEP-07, 14:05:44 / Cocon



	RECOMMENDED FOR APPROVAL DESIGN ENGINEER	12/12/2007 DATE	HORIZONTAL SCALE 1:50 VERTICAL SCALE 1:5 DESIGNATION 9901670
	DESIGNED: MV CHECKED: JH	DRAWN: AS CHECKED: JH	
INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "PR-A" STA. 282+00 TO 296+00			SHEETS 31 of 211 PROJECT STP-088-6()



SEC. 3, T18N, R3E
WASHINGTON TOWNSHIP
HAMILTON COUNTY

SEC. 2, T18N, R3E
WASHINGTON TOWNSHIP
HAMILTON COUNTY

SEC. 34, T19N, R3E
WASHINGTON TOWNSHIP
HAMILTON COUNTY

SEC. 35, T19N, R3E
WASHINGTON TOWNSHIP
HAMILTON COUNTY

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER: *[Signature]* DATE: 12/12/2007

DESIGNED: MV DRAWN: AS

CHECKED: JH CHECKED: JH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE "PR-S-1-A"
STA. 8+00 TO 23+00

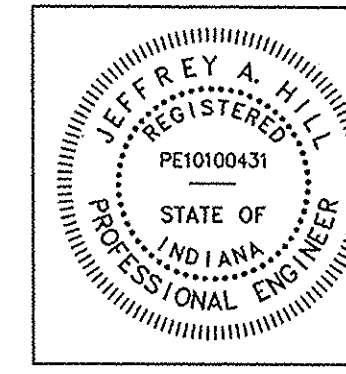
HORIZONTAL SCALE	1:50	DESIGNATION	9901670
VERTICAL SCALE	1:5	SURVEY BOOK	16948
		SHEETS	32 of 211
		CONTRACT	IR-29953
		PROJECT	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL	REVTMENT RIPRAP	CONCRETE, CLASS A, FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS									
	STATION	LEFT	RIGHT							CROSS	in.									ft	ft	elev	elev	yr			cyd	ton	cyd	ea	type	slope	ea	slope	ea
101	202+66.71	X				EXISTING PIPE																			NO WORK REQUIRED										
102	202+97.90		X			EXISTING PIPE																				REMOVE EXISTING PIPE									
103	208+65		X		15	2	INLET TYPE B15	78	1.58	928.02	927.63	75	NA	7.0	1	24.2								104											
104	208+65	X			15	2	INLET TYPE C15	17	2.79	927.23	927.15	75	NA	7.0	1	8.1									106										
105	208+65	X			15	2	MANHOLE TYPE C2	129	2.56	926.65	926.00	75	NA	7.0	2	7.7	25.5		1						Outlet										
106	211+25		X		15	2	INLET TYPE C15	81	1.79	926.51	926.10	75	NA	7.0	1	27.5										107									
107	211+25	X			15	2	INLET TYPE C15	20	2.81	925.85	925.75	75	NA	7.0	1	9.7	21.6		1							Outlet									
108	213+50		X		24	2	INLET TYPE C15	94	2.63	923.26	922.51	75	NA	7.0	1	72.7										109B									
109	213+50	X			24	2	INLET TYPE C15	30	3.59	922.51	922.30	75	NA	7.0	1	27.1	17.4		1							Outlet									
109A	213+91	X			15	2	INLET TYPE B15	48	3.67	923.09	922.93	75	NA	7.0	1	22.3										109									
109B	214+40	X			15	2	INLET TYPE C15	55	3.87	922.83	922.63	75	NA	7.0	1	27.2																			
110	213+50		X		24	2	CULVERT PIPE	20	2.63	923.41	923.26	75	NA	7.0	1	11.4			1							108									
110A	214+25		X		15	2	INLET TYPE B15	48	3.19	923.43	922.95	75	NA	7.0	1	19.0										110B									
110B	214+74		X		15	2	INLET TYPE C15	76	4.04	922.55	922.17	75	NA	7.0	1	39.5										112A									
111	213+55		X		18	3	CULVERT PIPE	60	N/A	926.50	925.85	75	NA	7.0	2	4.8			2																
112	214+29	X			36	2	MANHOLE TYPE D4	172' 171	6.62	918.63	918.29	75	NA	7.0	1	385.9										116									
112A	215+30		X		15	2	MANHOLE TYPE C4	121	5.36	921.67	921.07	75	NA	7.0	2	7.3											115								
113	216+50		X		36	2	MANHOLE TYPE D8	22' 47	5.93	918.10	918.07	75	NA	7.0	1	35.0											115								
114	216+50	X			36	2	MANHOLE TYPE D8	72' 81	5.41	918.26	918.10	75	NA	7.0	1	154.9											113								
115	216+50		X		48	2	MANHOLE TYPE E4	174' 175	5.93	918.07	917.72	75	NA	7.0	2	68.3											120								
116	216+50	X			36	2	MANHOLE TYPE D4	23' 45	5.71	918.29	918.26	75	NA	7.0	1	30.0											114								
117	217+35.8	X					EXISTING MANHOLE	3.7																				RECONSTRUCT 3.7 LF OF STRUCTURE							
118	218+25		X		15	2	INLET TYPE C15	17	2.36	922.80	922.72	75	NA	7.0	1	7.1										120									
119	218+25	X			15	2	INLET TYPE B15	81	1.49	923.31	922.90	75	NA	7.0	1	24.1											118								
120	218+25		X		48	2	MANHOLE TYPE E4	174' 169	6.28	917.72	917.40	75	NA	7.0	2	65.5										122A									
121	219+80.19	X					EXISTING MANHOLE	1.8																				RECONSTRUCT 1.8 LF OF STRUCTURE							
122	219+80.19	X			12	2	MANHOLE TYPE C4	197' 195	7.80	915.35	914.38	75	NA	7.0	1	236.4											131								
123	219+94		X		42	2	MANHOLE TYPE K8	24' 17	4.38	917.43	917.38	75	NA	7.0	1	33.2											125								
124	219+94	X			42	2	MANHOLE TYPE K8	76' 84	3.33	918.12	917.88	75	NA	7.0	1	131.7											123								
125	219+94		X		60	2	MANHOLE TYPE E4	176' 181	3.82	915.38	914.84	75	NA	7.0	2	70.6											130								
126	219+94	X			42	2	CULVERT PIPE	27' 20	3.33	919.47	919.37	75	NA	7.0	1	21.5		1.25								124	INSTALL 1 CONCRETE ANCHOR								
127	219+94.20	X			15		EXISTING PIPE										16.2		1									REMOVE 12 LF OF PIPE AND INSTALL END SECTION							
128	221+75		X		15	2	INLET TYPE C15	17	2.26	921.15	921.02	75	NA	7.0	1	6.9										130									
129	221+75	X			15	2	INLET TYPE B15	69	1.65	921.76	921.25	75	NA	7.0	1	22.0											128								
130	221+75		X		72	2	MANHOLE TYPE F4	236' 230	1.85	913.84	913.15	75	NA	7.0	2	68.3											132								
131	221+75	X			12	2	MANHOLE TYPE C4	191' 190	9.4	914.38	913.43	75	NA	7.0	1	282.5											134								
132	224+05		X		72	2	MANHOLE TYPE F4	319' 320	2.85	913.15	912.19	75	NA	7.0	2	13.3		1.40									142A								
133	223+65.10	X			15	2	EXISTING STRUCTURE																					RECONSTRUCT 6.2 LF OF STRUCTURE AND INSTALL TYPE 4 CASTING							

LINE "PR-A"

IMAGE FILES
REFERENCES
FILE NAME
MRO\INT



RECOMMENDED FOR APPROVAL *JH* 12/12/2007
DESIGN ENGINEER DATE
DESIGNED: MV DRAWN: AS
CHECKED: JH CHECKED: JH

INDIANA DEPARTMENT OF TRANSPORTATION
STRUCTURE DATA TABLE
STR. NO. 101 - STR. NO. 133

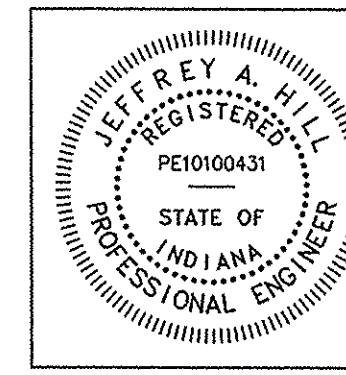
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VERTICAL SCALE	DESIGNATION
	9901670
SURVEY BOOK	SHEETS
16948	108 of 211
CONTRACT	PROJECT
IR-29953	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL	REVEALMENT RIPRAP	CONCRETE, CLASS A, FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS								
	STATION	LEFT	RIGHT							in.	ft									ft	elev	elev	yr	cyd			ton	cyd	ea	type	slope	ea	slope	ea
134	223+65.10	X		12	2	CULVERT PIPE	28		9.40	913.43	913.30	75	NA	7.0	1	41.6									133									
134A	223+80	X		12	2	MANHOLE TYPE C4	20		10.5	913.53	913.43	75	NA	7.0	1	33.7			1							134								
135	223+85.16	X				EXISTING PIPE																					NO WORK REQUIRED							
136	223+95.03	X				EXISTING PIPE	33'																				REMOVE EXISTING PIPE							
137	223+95.22		X			EXISTING PIPE																					REMOVE EXISTING PIPE							
138	224+05			48	2	MANHOLE TYPE K8	22'	48'	3.57	915.61	915.55	75	NA	7.0	1	40.2	53.6									132								
139	224+05			48	2	MANHOLE TYPE K8	64'	68'	3.37	915.80	915.61	75	NA	7.0	1	134.4										138								
140	224+05		X	42"	2	CULVERT PIPE	22'	26'	2.19	915.88	915.80	75	NA	7.0	1	36.3		1.4								139								
141	224+27.07	X				EXISTING PIPE																					REMOVE EXISTING PIPE							
141A	226+05	X		8	2	INLET TYPE E7	24'	24.5'		915.01	913.76	75	NA	7.0	1	132.9										134								
141B	226+75	X		8	2	STORM CLEAN OUT	72'	78'		915.36	915.01	75	NA	7.0	1	37.2										141A								
142	227+25		X	15	2	INLET TYPE C15	16'	13'	5.22	913.69	913.63	75	NA	7.0	1	21.9										142A								
142A	227+25		X	72	2	MANHOLE TYPE F4	877'	879'	11.87	901.86	901.03	75	NA	7.0	1	21.9										145A								
143	227+25	X		15	2	INLET TYPE B15	63'	68'	4.78	914.13	913.79	75	NA	7.0	1	6.1										142								
143A	227+25	X		15	2	CULVERT PIPE	22'	15'	2.25	917.80	917.65	75	NA	7.0	2	6.1	15.2		1							143								
144	229+57	X		18	3	CULVERT PIPE	20		4.00	915.58	915.38	75	NA	7.0	2	1.6			2							NA								
145	230+00		X	15	2	INLET TYPE C15	12		5.97	911.09	911.03	75	NA	7.0	1	20.2										146								
145A	230+00		X	72	2	MANHOLE TYPE F4	273'	275'	9.79	901.03	900.21	75	NA	7.0	2	20.2										146								
146	230+00	X		15	2	INLET TYPE B15	68		5.54	911.53	911.19	75	NA	7.0	1	7.2										145								
147	231+99	X		21	3	CULVERT PIPE	50		3.50	913.34	912.85	75	NA	7.0	2	4.5			2							NA								
148	232+75		X	15	2	INLET TYPE C15	15		6.33	908.28	908.21	75	NA	7.0	1	22.8										148A								
148A	232+75		X	72	2	MANHOLE TYPE F4	297'	300'	9.79	900.21	899.47	75	NA	7.0	2	783.2										156								
149	232+75	X		15	2	INLET TYPE B15	75		6.04	908.76	908.38	75	NA	7.0	1	7.9										148								
150	233+68.89	X				EXISTING PIPE																					REMOVE EXISTING PIPE							
151	233+79	X		24	3	CULVERT PIPE	55		3.00	911.60	911.06	75	NA	7.0	2	6.1			2							NA								
152	235+10		X	15	2	INLET TYPE C15	65		8.07	904.55	904.22	75	NA	7.0	1	26.4										154								
153	235+10	X		15	2	INLET TYPE B15	80		7.93	905.05	904.65	75	NA	7.0	1	29.7										152								
154	235+25		X	27-36"	2	INLET TYPE C15	20'	46'	4.44	906.28	906.20	75	NA	7.0	1	41.2										156								
155	235+25	X		27-36"	2	INLET TYPE B15	77'	80'	4.30	906.78	906.38	75	NA	7.0	1	7.5										154								
156	235+25		X	72	2	MANHOLE TYPE F4	72'	64'	7.49	899.47	899.31	75	NA	7.0	1	11.5										163								
158	235+25	X		36-36"	2	CULVERT PIPE RCP	22'	20'	4.30	910.50	910.30	75	NA	7.0	1	6.6			1							155								
159	236+26.51		X			EXISTING PIPE																					REMOVE EXISTING PIPE							
160	236+30.73		X			EXISTING PIPE																					REMOVE EXISTING PIPE							
161	236+40		X	15	2	INLET TYPE C15	16		8.59	904.39	904.31	75	NA	7.0	1	25.8										163								
162	236+40	X		15	2	INLET TYPE B15	81		7.48	904.89	904.39	75	NA	7.0	1	5.1										161								
163	236+40		X	72	2	MANHOLE TYPE F4	109'	110'	7.49	899.31	899.03	75	NA	7.0	1	194.4										169								
164	236+63.93	X				EXISTING PIPE																					DO NOT DISTURB							
165	236+74.90	X				EXISTING PIPE																					REMOVE EXISTING PIPE							
166	236+79	X		15	3	CULVERT PIPE	50		1.70	911.40	910.95	75	NA	7.0	2	3.0			2							NA								

LINE "PR-A"

IMAGE FILES
REFERENCES
FILE NAME
MID-VMT



RECOMMENDED FOR APPROVAL: *JH* DESIGN ENGINEER DATE: 2/6/2008

DESIGNED: MV DRAWN: AS
CHECKED: JH CHECKED: JH

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE
STR. NO. 134 - STR. NO. 166

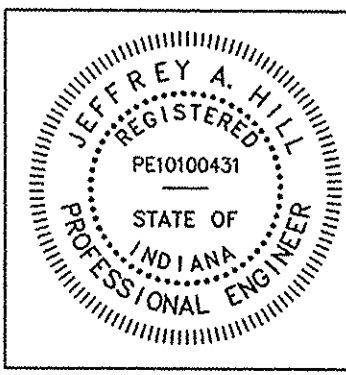
HORIZONTAL SCALE	N/A
VERTICAL SCALE	N/A
SURVEY BOOK	16948
CONTRACT	IR-29953
SHEETS	109 of 211
PROJECT	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL	REVETMENT RIPRAP	CONCRETE, CLASS A, FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS								
	STATION	LEFT	RIGHT							CROSS	ft									ft	elev	elev	yr	cyd			ton	cyd	ea	type	slope	ea	slope	ea
167	237+50		X		15	2	INLET TYPE C15	16		5.40	908.11	908.03	75	NA	7.0	1	25.7									169								
168	237+50		X		15	2	INLET TYPE B15	81		4.53	908.62	908.21	75	NA	7.0	1	4.8										167							
169	237+50			X	72	2	MANHOLE TYPE F4	182'	490	8.87	899.03	898.56	75	NA	7.0	1	621.1										170							
170	239+40		X		72	2	MANHOLE TYPE F4	321'	340	11.44	898.56	897.78	75	NA	7.0	1	1048.6										173							
171	242+50			X	15	2	INLET TYPE C15	8		5.12	907.82	907.78	75	NA	7.0	1	22.6										173							
172	242+50		X		15	2	INLET TYPE B15	66		4.67	908.27	907.92	75	NA	7.0	1	5.9										171							
173	242+50		X		72	2	MANHOLE TYPE F4	223'	225	10.92	897.78	897.22	75	NA	7.0	1	959.7										176							
174	244+75			X	15	2	INLET TYPE C15	8		5.34	905.26	905.22	75	NA	7.0	1	22.1										176							
175	244+75		X		15	2	INLET TYPE B15	66		4.89	905.71	905.36	75	NA	7.0	1	5.8										174							
176	244+75				72	2	MANHOLE TYPE F4	225'	226	9.58	897.22	896.66	75	NA	7.0	1	778.2										179							
177	247+00				15	2	INLET TYPE C15	26		4.11	903.79	903.66	75	NA	7.0	1	29.0										179							
178	247+00		X		15	2	INLET TYPE B15	81		3.96	904.29	903.89	75	NA	7.0	1	7.2										177							
179	247+00		X		72	2	MANHOLE TYPE F4	273'	275	5.16	896.66	895.97	75	NA	7.0	1	658.1										184							
181	249+75			X	15	2	INLET TYPE C15	26		3.26	902.10	901.97	75	NA	7.0	1	49.6										184							
182	249+75		X		15	2	INLET TYPE B15	81		2.78	902.60	902.20	75	NA	7.0	1	171.7										181							
184	249+75			X	72	2	MANHOLE TYPE F4	✓ 225		3.53	895.97	895.41	75	NA	7.0	2	87.8										187							
185	252+00		X		15	2	INLET TYPE B15	20		3.70	899.06	898.91	75	NA	7.0	1	9.4										187							
186	252+00		X		15	2	INLET TYPE B15	20		1.75	901.65	901.50	75	NA	7.0	1	6.7				1						Outlet							
187	252+00			X	72	2	MANHOLE TYPE F4	✓ 60		3.11	895.41	895.16	75	NA	7.0	1	617.3										187A							
187A	252+60			X	72	2	MANHOLE TYPE F2	170'	270	3.10	895.16	894.58	75	NA	7.0	1	137.2										196A							
188	252+17.16		X		27		EXISTING PIPE													1								REMOVE 33' OF PIPE, INSTALL END SECTION						
189	252+46.15		X				EXISTING PIPE																						REMOVE EXISTING PIPE					
190	252+72		X		36	2	CULVERT PIPE	120'	442	4.25	896.73	896.34	75	NA	7.0	1	96.2										196							
190A	252+72		X		15	2	INLET TYPE B15	61		4.25	898.56	898.34	75	NA	7.0	1	33.7										195A							
191	253+08.69			X			EXISTING PIPE																						REMOVE EXISTING PIPE					
192	253+25.99		X				EXISTING PIPE																						REMOVE EXISTING PIPE					
193	253+59.00			X			EXISTING MANHOLE																						RECONST. MANHOLE TO RAISE CASTING					
194	253+73.77		X				EXISTING MANHOLE																						ADJUST CASTING TO GRADE					
195	253+80		X		18	2	MANHOLE TYPE C2	18'	20	2.35	898.01	897.89	75	NA	7.0	1	6.5										196							
195A	"PR-S-5-A"21+20.8		X		15	2	INLET TYPE C15	30		4.44	898.34	898.26	75	NA	7.0	1	14.5										195							
196	253+85			X	36	2	MANHOLE TYPE D4	153'	222	3.41	896.34	895.50	75	NA	7.0	1	286.0										196A							
196A	255+51.2			X	72	2	MANHOLE TYPE F4	228'	98	3.41	894.58	894.34	75	NA	7.0	1	922.1										197A							
197	256+50			X	15	2	INLET TYPE C15	21		2.63	898.85	898.75	75	NA	7.0	1	9.2										197A							
197A	256+50			X	72	2	MANHOLE TYPE F4	218'	214	3.17	894.34	893.80	75	NA	7.0	1	752.4										204A							
198	256+50		X		15	2	INLET TYPE B15	81		1.76	899.36	898.95	75	NA	7.0	1	27.2										197							
199	257+73.52		X				EXISTING MANHOLE																						DO NOT DISTURB					
200	258+07.95		X				EXISTING MANHOLE																						DO NOT DISTURB					
201	258+08			X	15	3	CULVERT PIPE	60		2.50	899.70	898.70	75	NA	7.0	2	3.6				2													
202	258+08.65		X				EXISTING PIPE																						REMOVE EXISTING PIPE					

LINE "PR-A"

IMAGE FILES
 : VOLUME:
 : F:\Civil\2553 INDOT SR 32\Design\EP Output\108-114 Structure Data Table.dwg / Layout7
 : FILE NAME:
 : 01-OCT-07, 15:47:18 / Coora
 : MRD.VNT



RECOMMENDED FOR APPROVAL *J Hill* 12/12/2007
 DESIGN ENGINEER DATE
 DESIGNED: MV DRAWN: AS
 CHECKED: JH CHECKED: JH

INDIANA DEPARTMENT OF TRANSPORTATION
 STRUCTURE DATA TABLE
 STR. NO. 167 - STR. NO. 202

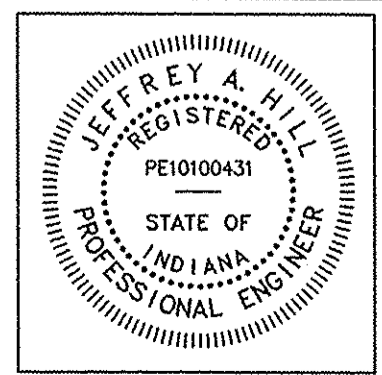
HORIZONTAL SCALE	N/A
VERTICAL SCALE	N/A
DESIGNATION	9901670
SURVEY BOOK	16948
SHEETS	110 of 211
CONTRACT	IR-29953
PROJECT	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE in.	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	COVER ft	FLOW LINE		SERVICE LIFE yr	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL cyd	REVTMENT RIPRAP ton	CONCRETE, CLASS A, FOR STRUCTURES cyd	PIPE END SECTION ea	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS	
	STATION	LEFT	RIGHT							CROSS	UP STREAM elev									DOWN STREAM elev	type	slope	ea	slope			ea
203	258+62.88	X				EXISTING MANHOLE																					DO NOT DISTURB
204	258+65		X		15	2	INLET TYPE B15	81	1.51	899.11	898.70	75	NA	7.0	1	24.4										205	
204A	258+65		X		72	2	MANHOLE TYPE F4	207' 210	2.90	893.80	893.28	75	NA	7.0	1	992.5										207A	
205	258+65	X			15	2	INLET TYPE C15	11	1.66	898.70	898.60	75	NA	7.0	1	6.4	14.9		1							Outlet	
206	259+73.79	X					EXISTING MANHOLE																				DO NOT REMOVE
207	260+75		X		15	2	INLET TYPE B15	81	1.44	898.51	898.10	75	NA	7.0	1	23.6										208	
207A	260+75		X		72	2	MANHOLE TYPE F4	68' 74	2.83	893.13	893.00	75	NA	7.0	2	1081.1		1.40								Outlet	
208	260+75	X			15	2	INLET TYPE C15	20	1.76	897.60	897.50	75	NA	7.0	1	7.4	15.1		1							Outlet	
209	261+37.81			X	120x84		EXISTING 10'X7' BOX CULVERT	71	4.17	889.50	889.17	75	NA	7.0	1	257.0											EXTEND BOX CULVERT 40' NORTH & 30' SOUTH REMOVE EXISTING PIPES
209A-D	261+37.81	X	X				EXISTING BOX CULVERT METAL DRAIN PIPES																				
210	262+80		X		15	2	INLET TYPE B15	81	1.50	897.08	896.68	75	NA	7.0	1	24.2										211	
211	262+80	X			15	2	INLET TYPE C15	20	2.38	896.58	896.50	75	NA	7.0	1	6.4	13.3		1							Outlet	
212	263+05	X			15	3	CULVERT PIPE	30	3.00	896.30	896.00	75	NA	7.0	2	1.8			2							NA	
213	263+54.69		X				EXISTING PIPE																				REMOVE EXISTING PIPE
214	264+90		X		15	2	INLET TYPE B15	81	1.67	896.09	895.68	75	NA	7.0	1	26.2										215	
215	264+90				15	2	INLET TYPE C15	16	2.54	895.58	895.51	75	NA	7.0	1	6.7										216	
216	264+90				15	2	MANHOLE TYPE C2	100	1.89	895.41	894.91	75	NA	7.0	1	35.4										218	
217	265+90	X			15	2	INLET TYPE B15	16	1.74	895.98	895.91	75	NA	7.0	1	5.0										218	
218	265+90	X			15	2	MANHOLE TYPE C2	85	2.19	894.66	894.23	75	NA	7.0	1	36.8										221	
219	266+75		X		15	2	INLET TYPE B15	84	1.63	895.32	894.91	75	NA	7.0	1	26.0										220	
220	266+75	X			15	2	INLET TYPE B15	15	2.57	894.81	894.73	75	NA	7.0	1	6.8										221	
221	266+75	X			15	2	MANHOLE TYPE C2	163	2.77	893.98	893.17	75	NA	7.0	1	84.2										224	
222	267+36.88	X					EXISTING PIPE																				REMOVE EXISTING PIPE
223	268+38		X		36	2	MANHOLE TYPE D8	215	5.11	889.61	888.21	75	NA	7.0	1	393.2										290	
224	268+38	X			30	2	MANHOLE TYPE D2	16	4.83	889.67	889.61	75	NA	7.0	1	22.8										223	
225	270+70		X		15	2	INLET TYPE B15	69	1.42	894.38	893.69	75	NA	7.0	1	19.8										226	
226	270+70	X			15	2	INLET TYPE C15	15	2.36	893.44	893.37	75	NA	7.0	1	6.3										227	
227	270+70	X			30	2	MANHOLE TYPE E2	233	2.63	890.37	889.67	75	NA	7.0	1	213.1										224	
228	271+65		X		24	2	TWIN CULVERT PIPES (2 @ 100 LF)	200	2.50	892.23	891.47	75	NA	7.0	2	10.6			2							227	
229	271+85		X		15	2	INLET TYPE B15	69	1.67	893.79	893.44	75	NA	7.0	1	22.3										230	
230	271+85	X			15	2	INLET TYPE C15	18	2.12	893.34	893.25	75	NA	7.0	1	6.9	26.1		1							Outlet	
231	272+31.47		X				EXISTING PIPE																				REMOVE EXISTING PIPE
232	272+50		X		15	2	INLET TYPE B15	69	1.91	893.68	893.34	75	NA	7.0	1	24.7										233	
233	272+50	X			15	2	INLET TYPE C15	4	2.51	893.34	893.32	75	NA	7.0	1	1.6										233A	
233A	272+50	X			15	2	MANHOLE TYPE C4	15	3.52	893.08	893.00	75	NA	7.0	1	6.7	19.8		1							Outlet	
234	274+30		X		15	2	INLET TYPE B15	69	1.89	894.54	894.19	75	NA	7.0	1	24.4										235	
235	274+30	X			15	2	INLET TYPE C15	4	2.34	894.11	894.09	75	NA	7.0	1	1.7										235A	
235A	274+30	X			15	2	MANHOLE TYPE C4	181	3.34	894.09	893.19	75	NA	7.0	1	75.6										233A	
236	276+55		X		15	2	INLET TYPE C15	15	2.05	895.50	895.42	75	NA	7.0	1	5.6										238	

LINE "PR-A"

IMAGE FILES : C:\LINE\2523\INDOT SR 320\Design\EP Output\108-114 Structure Data Table.dwg / Layout7
 REFERENCES : 01-02-07, 15-47-18 / C:\pns
 MOD DATE :



RECOMMENDED FOR APPROVAL: *J Hill* 12/12/2007
 DESIGN ENGINEER DATE
 DESIGNED: MV DRAWN: AS
 CHECKED: JH CHECKED: JH

INDIANA DEPARTMENT OF TRANSPORTATION
 STRUCTURE DATA TABLE
 STR. NO. 203 - STR. NO. 236

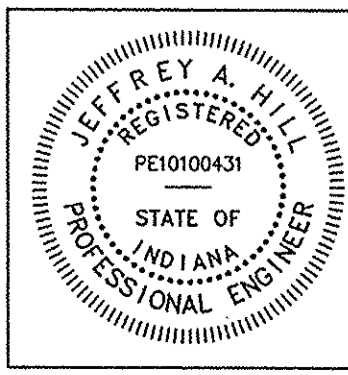
HORIZONTAL SCALE	N/A	DESIGNATION	9901670
VERTICAL SCALE	N/A	SURVEY BOOK	16948
		SHEETS	111 of 211
		CONTRACT	IR-29953
		PROJECT	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURAL BACKFILL	REVEITEMENT RIPRAP	CONCRETE CLASS A, FOR STRUCTURES	PIPE END SECTION		GRATED BOX END SECTION		SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS						
	STATION	LEFT	RIGHT							CROSS	ft	ft								elev	elev	yr	cyd	ton	cyd			ea	type	slope	ea	slope	ea
237	276+55	X			15	2	INLET TYPE B15	69		1.61	895.94	895.60	75	NA	7.0	1	21.6									236							
238	276+55		X		18	2	MANHOLE TYPE C4	115		2.48	895.42	895.19	75	NA	7.0	1	61.5										239						
239	277+70		X		18	2	MANHOLE TYPE C4	110		1.91	895.19	894.97	75	NA	7.0	1	48.9										240						
239A	278+38.43		X				EXISTING PIPE																					REMOVE EXISTING PIPE					
240	278+80		X		18	2	MANHOLE TYPE C4	113		1.03	894.97	894.75	75	NA	7.0	1	34.9										243						
241	279+41.3		X				EXISTING PIPE																					REMOVE EXISTING PIPE					
242	279+76	X					EXISTING PIPE																					REMOVE EXISTING PIPE					
243	279+93		X		18	2	MANHOLE TYPE C4	81		3.48	894.75	894.59	75	NA	7.0	1	21.8										245						
244	280+35	X			21	2	MANHOLE TYPE C4	105		2.51	894.32	894.00	75	NA	7.0	2	9.5			1							Outlet						
245	280+73		X		18	2	MANHOLE TYPE C4	153		1.83	894.59	894.28	75	NA	7.0	1	82.2										246						
245A	280+73		X		15	2	INLET TYPE M10	15		2.68	895.67	895.59	75	NA	7.0	1	3.2										245						
246	282+25		X		21	2	MANHOLE TYPE C4	13		3.58	894.28	894.05	75	NA	7.0	1	6.3										246A						
246A	282+25		X		21	2	INLET TYPE C15	92		2.06	894.28	894.05	75	NA	7.0	1	195.4										247						
247	282+25	X			21	2	INLET TYPE C15	20		3.81	894.05	894.00	75	NA	7.0	1	10.5	20.0		1							Outlet						
248	283+50		X		15	2	MANHOLE TYPE C4	126		1.91	894.91	894.53	75	NA	7.0	1	58.6										246						
248A	283+50		X		15	2	INLET TYPE B15	12		2.60	895.72	895.66	75	NA	7.0	1	3.8										248						
250	284+47		X		15	2	MANHOLE TYPE C4	98		1.95	895.45	895.16	75	NA	7.0	1	39.0										248						
253	285+25.15	X					EXISTING MANHOLE																					ADJUST CASTING TO GRADE					
254	286+25		X		15	2	INLET TYPE B15	91		1.64	897.07	896.40	75	NA	7.0	1	29.6										255						
255	286+25	X			15	2	INLET TYPE C15	20		2.59	896.15	898.00	75	NA	7.0	1	9.1	15.6		1							Outlet						
256	286+90.85	X					EXISTING PIPE																					DO NOT DISTURB					
257	286+93.86	X					EXISTING PIPE																					DO NOT DISTURB					
258	287+53.07	X					EXISTING MANHOLE																					REMAIN IN PLACE					
259	288+69.41	X					EXISTING PIPE																					DO NOT DISTURB					
260	288+73.15		X				EXISTING MANHOLE																					ADJUST CASTING TO GRADE					
261	288+77.41	X					EXISTING PIPE																					ADJUST CASTING TO GRADE					
262	288+95.22	X					EXISTING MANHOLE																					DO NOT DISTURB					
263	289+22.02	X					EXISTING PIPE																					ADJUST CASTING TO GRADE					
264	289+25.03		X				EXISTING MANHOLE																					INST. TYPE 4 CASTING & ADJ. TO GRADE					
265	289+45	X			15	2	INLET TYPE B15	22		2.24	898.44	898.00	75	NA	7.0	1	13.4										263						
266	289+46.63		X				EXISTING INLET & PIPE																					REMOVE EXISTING INLET & PIPE					
267	289+47.57		X				EXISTING MANHOLE																					ADJUST CASTING TO GRADE					
268	289+51.28	X					EXISTING INLET & PIPE																					REMOVE EXISTING INLET & PIPE					
269	289+66.45		X				EXISTING INLET & PIPE																					REMOVE EXISTING INLET & PIPE					
270	289+71.48	X					EXISTING INLET & PIPE																					REMOVE EXISTING INLET & PIPE					
271	290+02.82	X					EXISTING MANHOLE																					REMOVE EXISTING MANHOLE					
272	290+52.41	X					EXISTING MANHOLE																					DO NOT DISTURB					
273	292+00.16	X					EXISTING PIPE																					DO NOT DISTURB					

LINE "PR-A"

YOUTUNE:
 REFERENCES:
 FILE NAME:
 MRD\INT



RECOMMENDED FOR APPROVAL *JH* 12/12/2007
 DESIGN ENGINEER DATE
 DESIGNED: MV DRAWN: AS
 CHECKED: JH CHECKED: JH

INDIANA
 DEPARTMENT OF TRANSPORTATION
 STRUCTURE DATA TABLE
 STR. NO. 237 - STR. NO. 273

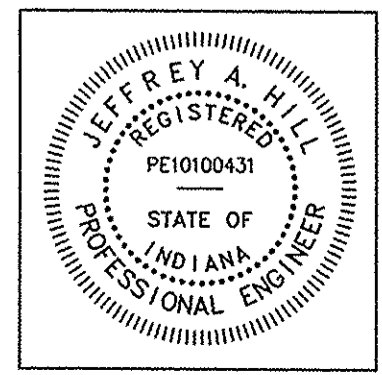
HORIZONTAL SCALE	N/A	DESIGNATION	9901670
VERTICAL SCALE	N/A	SURVEY BOOK	16948
		SHEETS	112 of 211
		CONTRACT	IR-29953
		PROJECT	STP-088-6()

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	COVER ft	FLOW LINE		SERVICE LIFE yr	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL cyd	REVEMENT RIPRAP ton	CONCRETE, CLASS A, FOR STRUCTURES cyd	PIPE END SECTION ea	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS		
	STATION	LEFT	RIGHT						CROSS	SIZE in.									UP STREAM elev	DOWN STREAM elev	type	slope	ea			slope	ea
	LINE "S-9-A"																										
301	16+21.2	X			EXISTING MANHOLE																				DO NOT DISTURB		
302	17+79.9	X			EXISTING INLET																				TO BE REMOVED		
303	17+79.9	X			MANHOLE TYPE D-4				890.00																		
304	17+82	X			EXISTING INLET																				TO BE REMOVED		
305	17+82	X		15	2	INLET TYPE B15	29	3.5	891.58	891.00	75	NA	7.0	1	5.3									303			
306	17+82	X		15	2	INLET TYPE B15	2	3.5	891.04	891.00	75	NA	7.0	1	0.4									303			
307	19+55	X		15	2	INLET TYPE B15	32	2.6	897.63	897.00	75	NA	7.0	1	13.0									264			

IMAGE FILES
REFERENCES
MIR,INT

X:\TUMING\2003\INDOT\SR\32\Design\EP\Output\108-114 Structure Data Table.dwg / Layout7
01-OCT-07 15:47:19 / Ceoara



RECOMMENDED FOR APPROVAL *JAH* 12/12/2007
DESIGN ENGINEER DATE

DESIGNED: MV DRAWN: AS
CHECKED: JH CHECKED: JH

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE
STR. NO. 301 - STR. NO. 307

HORIZONTAL SCALE N/A	DESIGNATION 9901670
VERTICAL SCALE N/A	SHEETS 114 of 211
SURVEY BOOK 16948	PROJECT STP-088-6()
CONTRACT IR-29953	