

PROJECT	DESIGNATION
STP-212-2 (007)	7903160
CONTRACT	

**INDIANA
DEPARTMENT OF
TRANSPORTATION**

TRAFFIC DATA	U.S. 6
A.A.D.T. (1995)	4,260 V.P.D.
A.A.D.T. (2018)	5,630 V.P.D.
D.H.V.	619 V.P.H.
DIRECTIONAL DISTRIBUTION	53% - 47%
TRUCKS	25% D.H.V.
	32% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	60 K.P.H.
ACCESS CONTROL	NONE
FUNCTIONAL CLASSIFICATION	RURAL MINOR ARTERIAL
TERRAIN	LEVEL

TRAFFIC DATA	U.S. 421
A.A.D.T. (1995)	8,120 V.P.D.
A.A.D.T. (2018)	10,730 V.P.D.
D.H.V.	1,180 V.P.H.
DIRECTIONAL DISTRIBUTION	51% - 49%
TRUCKS	21% D.H.V.
	25% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	60 K.P.H.
ACCESS CONTROL	NONE
FUNCTIONAL CLASSIFICATION	RURAL PRINCIPAL ARTERIAL
TERRAIN	LEVEL

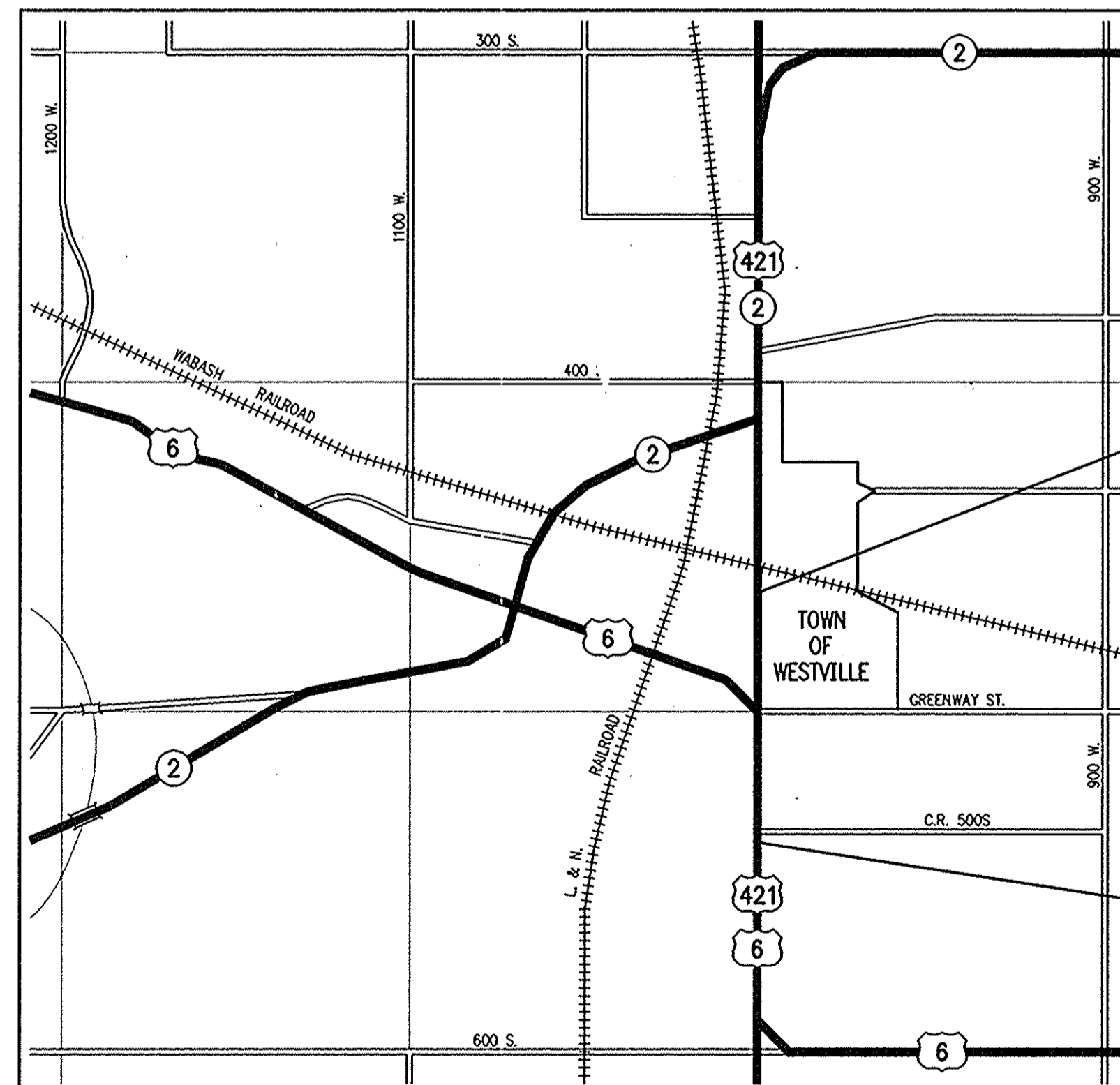
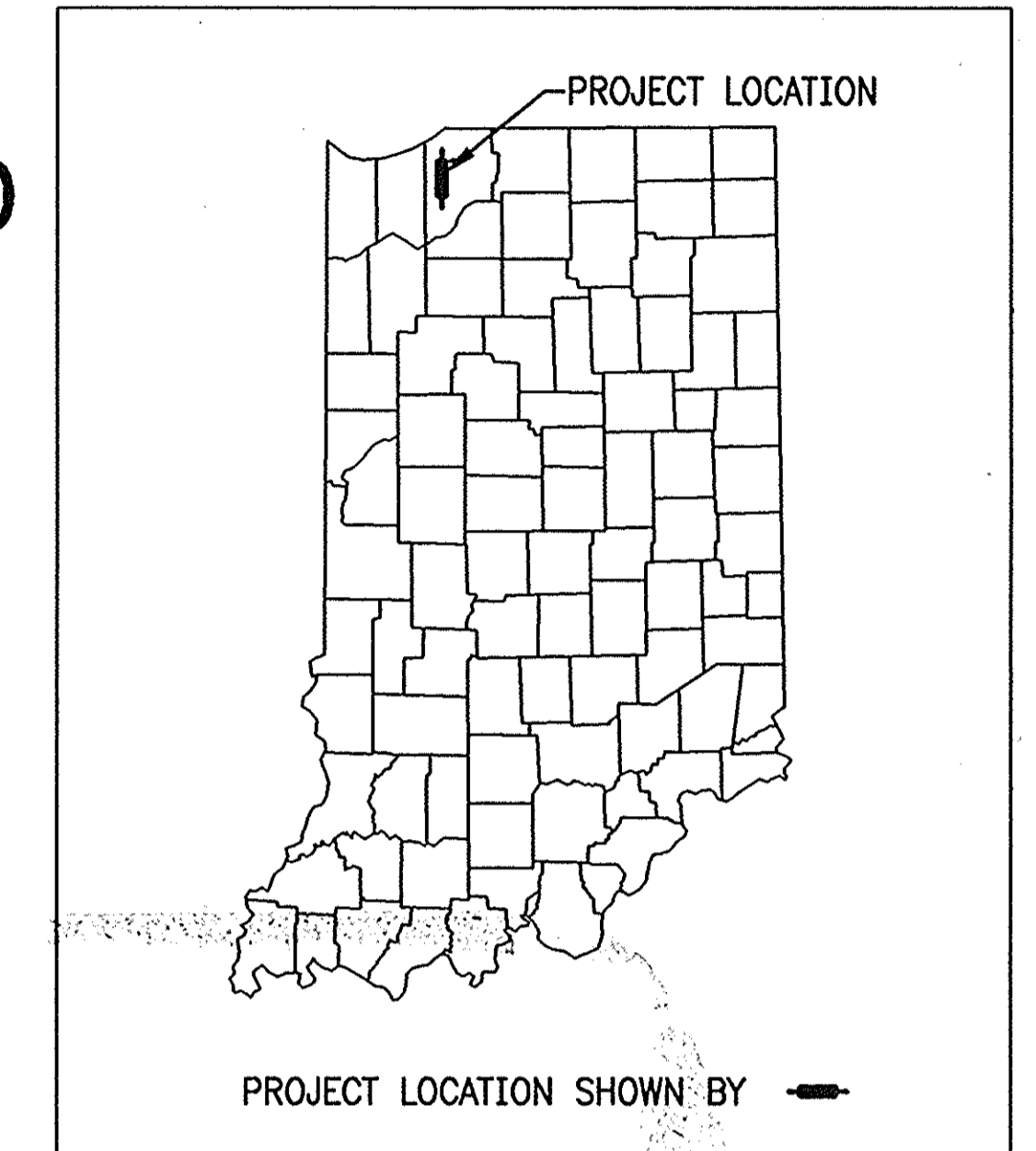
RIGHT-OF-WAY PLANS

U.S. 6 & U.S. 421

**CODE NO. 3666
DES. NO. 7903160**

**ST PROJECT NO. 212-2 (007) P.E.
STP PROJECT NO. 212-2 (007) R/W
STP PROJECT NO. 212-2 (007) CONST.**

ROADWAY AND INTERSECTION IMPROVEMENTS FOR US 421 AND US 6
BEGINNING 447.2 METERS SOUTH OF US 6 AND RUNNING NORTH ON
US 421 TO 268.6 METERS NORTH OF US 6 IN SECTIONS 28 AND 29
NEW DURHAM TOWNSHIP, LAPORTE COUNTY



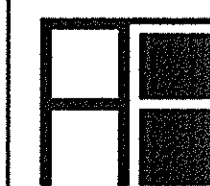
END STP PROJECT NO. 212-2 (007)
STA. 0+680.000 "A-US421"

BEGIN STP PROJECT NO. 212-2 (007)
STA. 0+064.172 "A-US421"

LOCATION MAP
NEW DURHAM TWP.
LAPORTE COUNTY

[INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 1995
TO BE USED WITH THESE PLANS]

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A & F ENGINEERING CO., INC.
CONSULTING ENGINEERS
5172 E. 65th St., Indianapolis, IN. 46220 (317) 842-0864

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPT. OF TRANSPORTATION

APPROVED: _____
DATE _____

DIVISION ADMINISTRATOR

PLANS PREPARED BY: A + F ENGINEERING CO., INC (317) 842-0864
PHONE NUMBER

APPROVED: *Jay D. Marks* 7-1-98
DATE
CHIEF, DIVISION OF LAND ACQUISITION

RECOMMENDED FOR APPROVAL: *Richard S. Lewis* 7-1-98
DATE
MANAGER, R/W ENGINEERING SECTION

DESIGNATION	7903160
SHEETS	1 of 22
PROJECT	STP-212-2 (007)
CONTRACT	

UTILITIES

Table with 3 columns: UTILITY, OWNER, ADDRESS. Rows include TELEPHONE (GTE NORTH), GAS & ELECTRIC (NIPSCO), SEWER & WATER (TOWN OF WESTVILLE), and CATV (MID AMERICAN CABLE).

REVISIONS

Table with 3 columns: SHEET NO., DATE, REVISED. Multiple empty rows for recording revisions.

R/W INDEX

Table with 2 columns: SHEET NO., DESIGNATION. Lists sheets 1 through 22 with their respective titles like TITLE SHEET, INDEX & INFORMATION SHEET, etc.

GENERAL NOTES

Detailed list of engineering specifications and notes. Includes items like 'Standard divided lane sections for Federal Aid', 'Standard ramp section', 'Standard single lane pavement sections', 'Typical cross section', 'Standards under dates as listed in the index', 'All Ditches', 'Sodding', 'All Earth Shoulders', 'Excavation Quantities', 'Paper Relocation', 'Where existing surface is located outside the limits of new construction', 'For Kinds of Pipe permitted', 'Sheet Sign And U-Channel Posts', 'The Contractor must accept the plan quantities of Subbase', 'The minimum grade for Underdrains', 'Exit Direction Sign and Stop Sign', 'All Limited Access R/W', 'Curves shall be Superelevated', 'A Keyway Joint is to be constructed', 'Contraction Joints shall be placed at all manholes', 'All Highway Drainage Structures', 'The elevations of the design headwater', 'The item Seed Mixture "CV"', 'The quantity of Peat "Excavation"', 'Preformed Joint Material for Cross-overs, Drives, Road Approaches and Sidewalk will not be paid for directly', 'For Paved side ditch and Sodding Quantities see table on Sheet No.', 'All Signs Shall be Marked For Identification', 'Standards Under Dates as Listed in the Index on This Sheet to be Used on This Project', 'Clearing and removal of woody vegetation will be kept to a minimum between construction limits and right-of-way', 'Prime Coat shall be placed on aggregate bases under bituminous pavement and shoulders, before the first bituminous lift is placed.', 'The Engineer may Change the Type of Fence Shown on the Plans upon Receipt of Reasonable, Written Justification from the Property Owner.', 'The Vertical Clearance of the Stop Sign Shall be 7 Feet From The Edge of Pavement.', 'Unless otherwise specified the contractor shall have the option of using either Hot Asphaltic Concrete (HAC) or Hot Asphaltic Emulsion (HAE) on all Bituminous Items.', 'Movement of excavation is shown on Mass Haul Diagram on Sheet No. , with the entire project being one balance.', 'Tack Coat shall be placed on new and existing bituminous before a new lift of bituminous is added.', 'All Design Shall be In Accordance With The Standard Specifications For Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 1985 Edition.', 'Each U-Channel Post shall be Marked at 4.0' Length and be Driven at That Length Unless Directed Otherwise.', 'Aluminum Bar Bracing (1/4" x 1" Length Required) Will be Required on all Channel Post Mounted Signs Exceeding 60 Inches in Length.'

** REPRESENTS GENERAL NOTES REQUIRED.

INDEX

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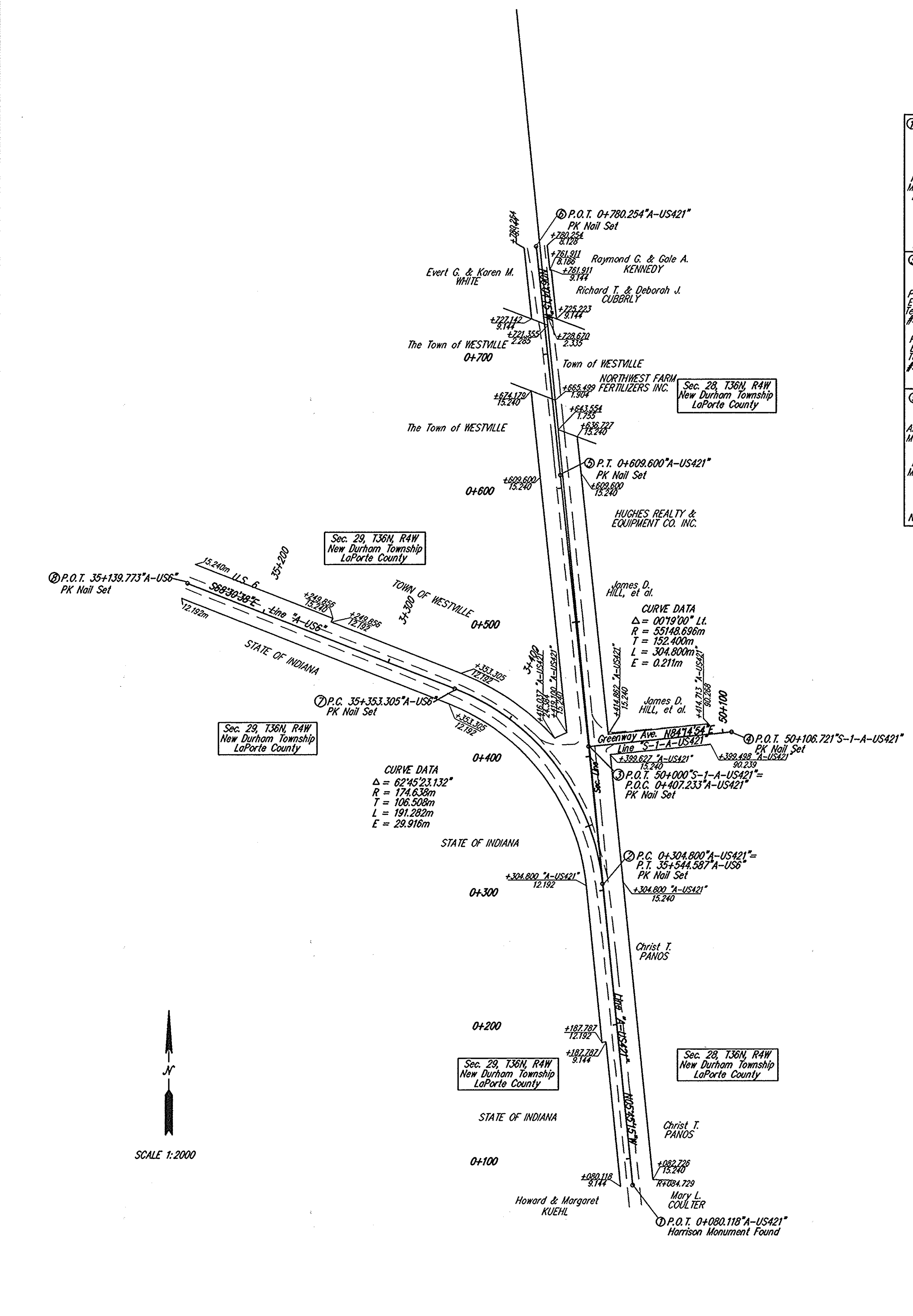
Approval and design information fields. Includes 'RECOMMENDED FOR APPROVAL' with signature and date lines, and 'DESIGNED', 'DRAWN', 'CHECKED' fields.

INDIANA DEPARTMENT OF TRANSPORTATION logo and 'INDEX & GENERAL NOTES' title.

Scale and sheet information. Includes 'HORIZONTAL SCALE', 'BRIDGE FILE', 'VERTICAL SCALE', 'DESIGNATION 7903160', 'SURVEY BOOK', 'SHEETS 2 of 22', 'CONTRACT', 'PROJECT', 'SIP-212-2 (007)'.

11:27 1 31 PM '98

WAYNE E. EULER
REGISTERED PROFESSIONAL SURVEYOR

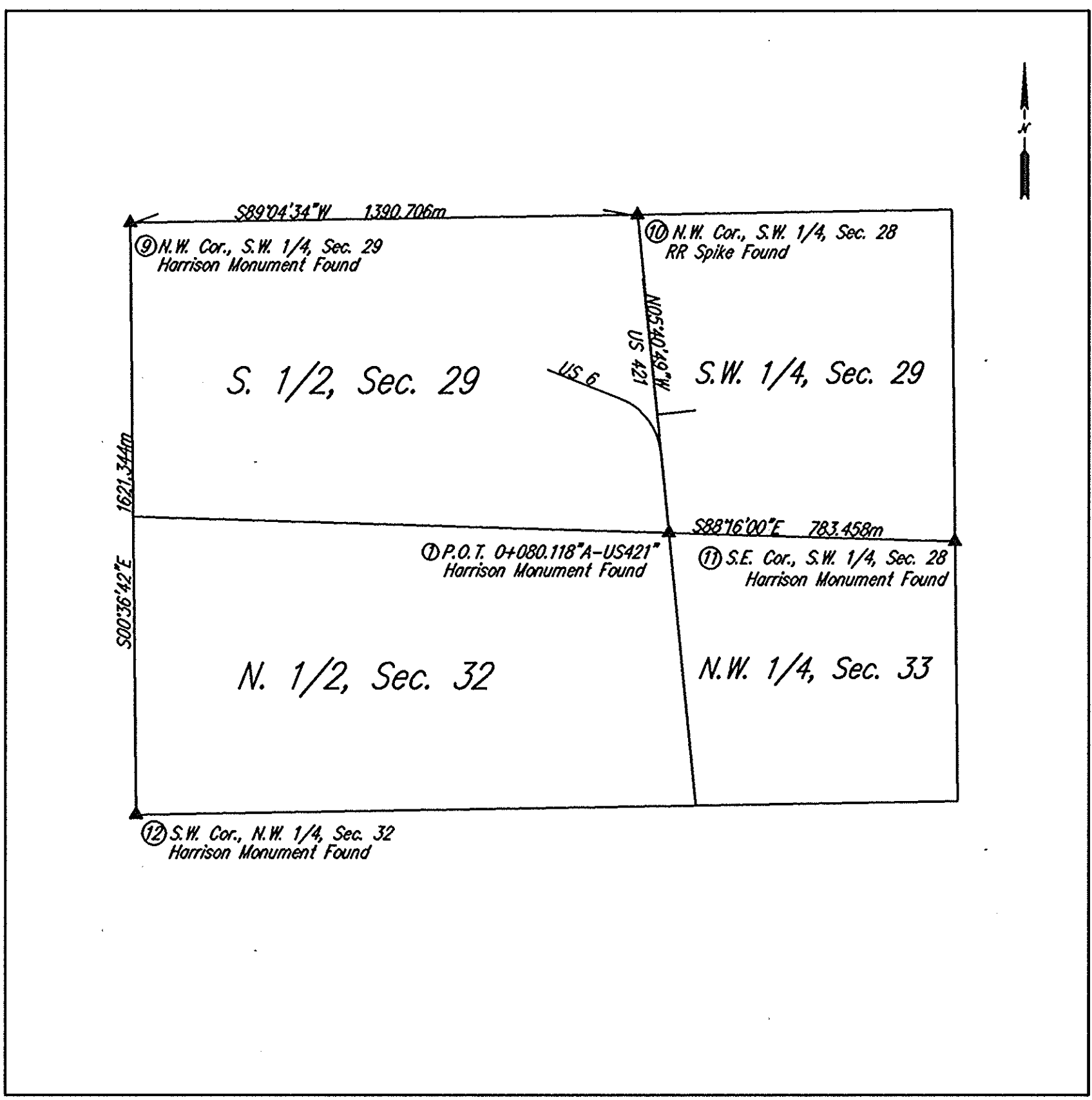


① N3048.000, E3048.000 Brass Plug (USCCS Marker) Harrison Monument Found	② N3271.550, E3025.473 PK Nail Set Tel. Pole 30' 30"	③ N3373.497, E3015.105 PK Nail Set Top Bolt S.W. Side PK Nail W. Side PK Nail E. Side PK Nail S. Side PK Nail N. Side PK Nail W. Side PK Nail E. Side PK Nail S. Side PK Nail N. Side	④ N3384.197, E3121.289 Rebar Set Top Bolt Hydrant Greenway Ave. 10' 10"
S.W. Cor., Sec. 28, T36N, R4W P.O.T. 0+080.118°A-US421°	P.T. 35+544.587°A-US6° P.C. 0+304.800°A-US421°	P.O.T. 50+000°S-1-A-US421° =P.O.C. 0+407.233°A-US421°	P.O.T. 50+106.721°S-1-A-US421°
⑤ N3574.728, E2994.076 PK Nail Set PK Nail E. Side PK Nail W. Side PK Nail S. Side PK Nail N. Side	⑥ N3744.425, E2976.028 PK Nail Set PK Nail E. Side PK Nail W. Side PK Nail S. Side PK Nail N. Side	⑦ N3416.538, E2915.691 PK Nail Set PK Nail E. Side PK Nail W. Side PK Nail S. Side PK Nail N. Side	⑧ N3494.761, E2717.002 PK Nail Set PK Nail E. Side PK Nail W. Side PK Nail S. Side PK Nail N. Side
P.T. 0+609.600°A-US421°	P.O.T. 0+780.254°A-US421°	P.C. 35+353.305°A-US6°	P.O.T. 35+139.773°A-US6°
⑨ N3897.695, E1570.727 Armitage Monument Mann Monument	⑩ N3920.119, E2961.252 Disc S. Side PK Nail W. Side PK Nail E. Side PK Nail S. Side PK Nail N. Side	⑪ N3024.302, E3831.100 Disc W. Side PK Nail S. Side PK Nail E. Side PK Nail S. Side PK Nail N. Side	⑫ N2276.443, E1588.037 Harrison Monument Found PK Nail E. Side PK Nail W. Side PK Nail S. Side PK Nail N. Side
N.W. Cor., S.W. 1/4, Sec. 29	N.W. Cor., S.W. 1/4, Sec. 28	S.E. Cor., S.W. 1/4, Sec. 28	S.W. Cor., N.W. 1/4, Sec. 32

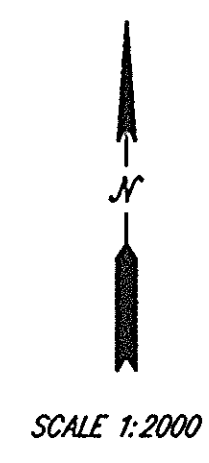
SURVEYOR'S REPORT
ROUTE SURVEY - US 421 & US 6 - LAPORTE COUNTY
DATE: JUNE 2, 1997

GENERAL:
- ALL MONUMENT REFERENCE TIES ARE SHOWN ON THE ROUTE SURVEY PLAT.
- SHOULD ADDITIONAL USPLS CORNERS BE NEEDED WHERE NONE WERE FOUND, THEY SHOULD BE REESTABLISHED AND TIED INTO THIS SURVEY.
- FIELD MEASUREMENTS FOR THIS SURVEY WERE MADE IN ACCORDANCE WITH THE SPECIFICATIONS OUTLINED IN 865 IAC 1-12. MEASUREMENTS ARE SHOWN HEREIN TO THE NEAREST 0.001 METERS, NOT TO INDICATE THE PRECISION OF THE WORK, BUT TO ALLOW FOR CLOSURE AND ADJUSTMENT BY OTHERS IF DESIRED.

- USED HARRISON MONUMENT FOUND AS S.W. CORNER, SEC. 28. AGREES WITH COUNTY SURVEYOR'S TIES. THE UNCERTAINTY IN THIS POINT IS ESTIMATED TO BE PLUS OR MINUS 0.5 METERS IN ANY DIRECTION.
- SET PK NAIL AT P.T. 35+544.587°A-US6°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET PK NAIL AT P.O.C. 0+407.233°A-US421°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET REBAR AT P.O.T. 50+106.721°S-1-A-US421°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET PK NAIL AT P.T. 0+609.600°A-US421°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET PK NAIL AT P.O.T. 0+780.254°A-US421°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET PK NAIL AT P.C. 35+353.305°A-US6°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- SET PK NAIL AT P.O.T. 35+139.773°A-US6°. ORIGINAL MONUMENT, THEREFORE THERE IS NO UNCERTAINTY.
- USED HARRISON MONUMENT FOUND AS N.W. COR., S.W. 1/4, SEC. 29. AGREES WITH COUNTY SURVEYOR'S TIES. THE UNCERTAINTY IN THIS POINT IS ESTIMATED TO BE PLUS OR MINUS 0.5 METERS IN ANY DIRECTION.
- USED RR SPIKE FOUND AS N.W. COR., S.W. 1/4, SEC. 28. AGREES WITH COUNTY SURVEYOR'S TIES. THE UNCERTAINTY IN THIS POINT IS ESTIMATED TO BE PLUS OR MINUS 0.5 METERS IN ANY DIRECTION.
- USED HARRISON MONUMENT FOUND AS S.E. CORNER, S.W. 1/4, SEC. 28. AGREES WITH COUNTY SURVEYOR'S TIES. THE UNCERTAINTY IN THIS POINT IS ESTIMATED TO BE PLUS OR MINUS 0.5 METERS IN ANY DIRECTION.
- USED HARRISON MONUMENT FOUND AS S.W. CORNER, N.W. 1/4, SEC. 32. AGREES WITH COUNTY SURVEYOR'S TIES. THE UNCERTAINTY IN THIS POINT IS ESTIMATED TO BE PLUS OR MINUS 0.5 METERS IN ANY DIRECTION.

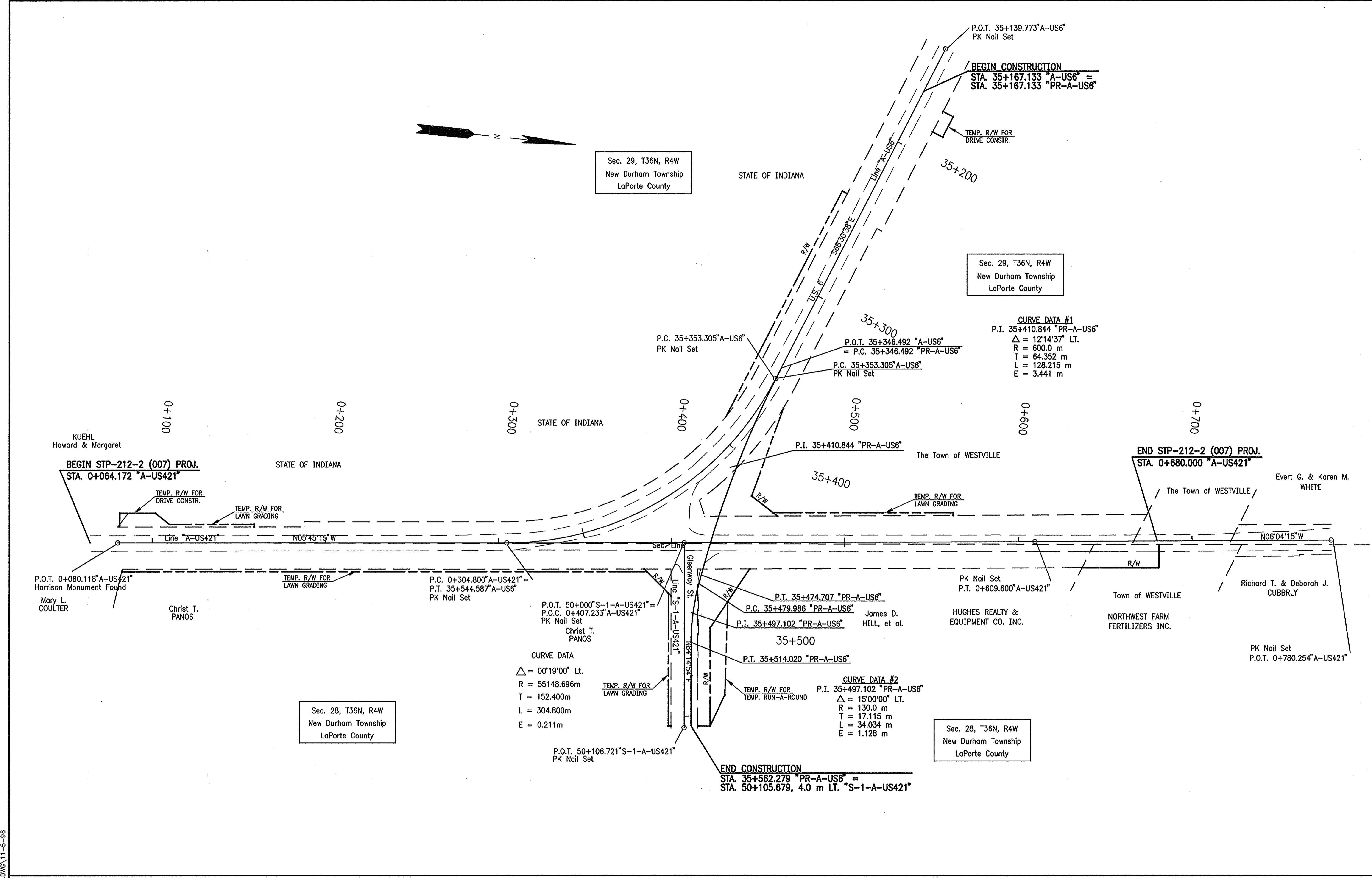


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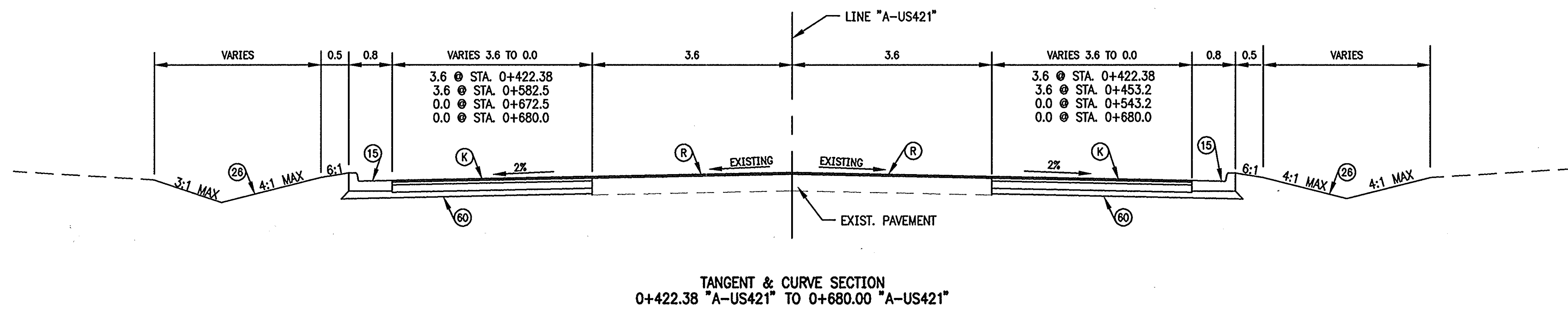
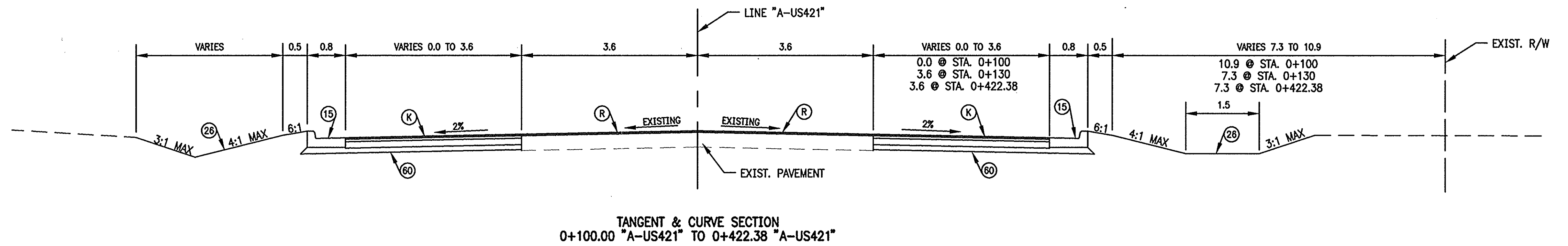
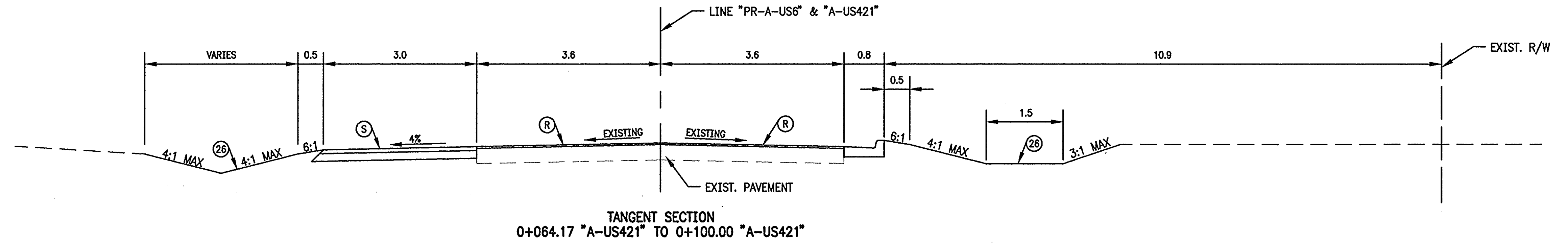
SURVEYOR STATEMENT THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 IAC 1-12 REGARDING ROUTE SURVEYS. EXCEPT WHAT DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.	LAPORTE COUNTY	
	ROUTE SURVEY PLAT	
PREPARED BY:	PETER L. ARNOLD	
SIGNATURE: <i>Peter Arnold</i> 6/2/98	REGISTERED LAND SURVEYOR No. 50564 STATE OF INDIANA	
DATE: 6/2/98	PROJECT NO.:	PROJECT NO.:
SCALE:	SCALE:	SCALE:

<p>A & F ENGINEERING CO., INC. CONSULTING ENGINEERS 5172 E. 65th St., Indianapolis, IN. 46220 (317) 842-0864</p>	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE _____	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>LOCATION CONTROL ROUTE SURVEY U.S. 6 AND U.S. 421 WESTVILLE, LAPORTE COUNTY, INDIANA</p>	HORIZONTAL SCALE 1:2000	BRIDGE FILE
	DESIGNED: _____ DRAWN: _____ CHECKED: _____		DESIGNATION 7903160	SURVEY BOOK
			CONTRACT	PROJECT ST-212-2 ()



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	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:1000 VERTICAL SCALE N/A
	PLAT 1 US 421 & US 6	BRIDGE FILE DESIGNATION 7903160
	DESIGNED: A&F CHECKED: SJF	DRAWN: JDD CHECKED: SJF
	RECOMMENDED FOR APPROVAL DESIGN ENGINEER _____ DATE _____	SURVEY BOOK _____ SHEETS 4 of 22 CONTRACT _____ PROJECT STP-212-2 (007)



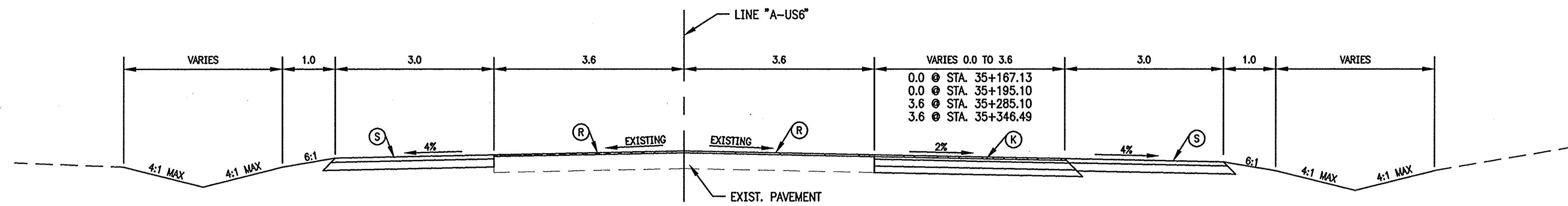
LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"

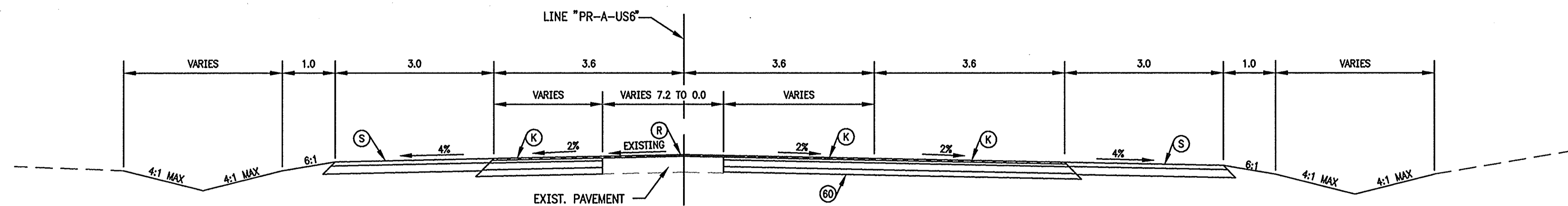
(60) SUBGRADE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF INDOT STANDARD SPECIFICATION

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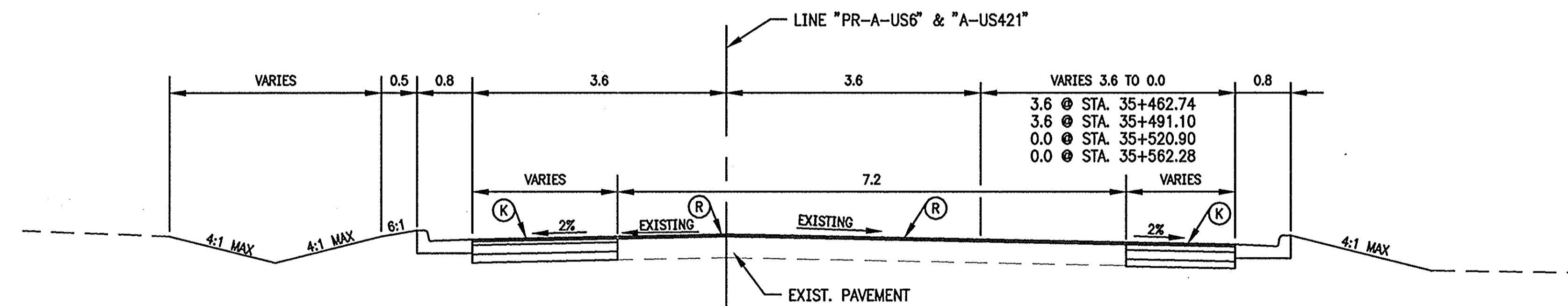
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					DESIGNED: _____ DRAWN: _____ CHECKED: _____ CHECKED: _____		TYPICAL CROSS SECTIONS	VERTICAL SCALE
							SURVEY BOOK	SHEETS 5 of 22
							CONTRACT	PROJECT STP-212-2 (007)



TANGENT SECTION
35+167.13 "PR-A-US6" TO 35+346.49 "PR-A-US6"



CURVE SECTION
35+346.49 "PR-A-US6" TO 35+447.68 "PR-A-US6"



TANGENT & CURVE SECTION
35+462.74 "PR-A-US6" TO 35+562.28 "PR-A-US6"

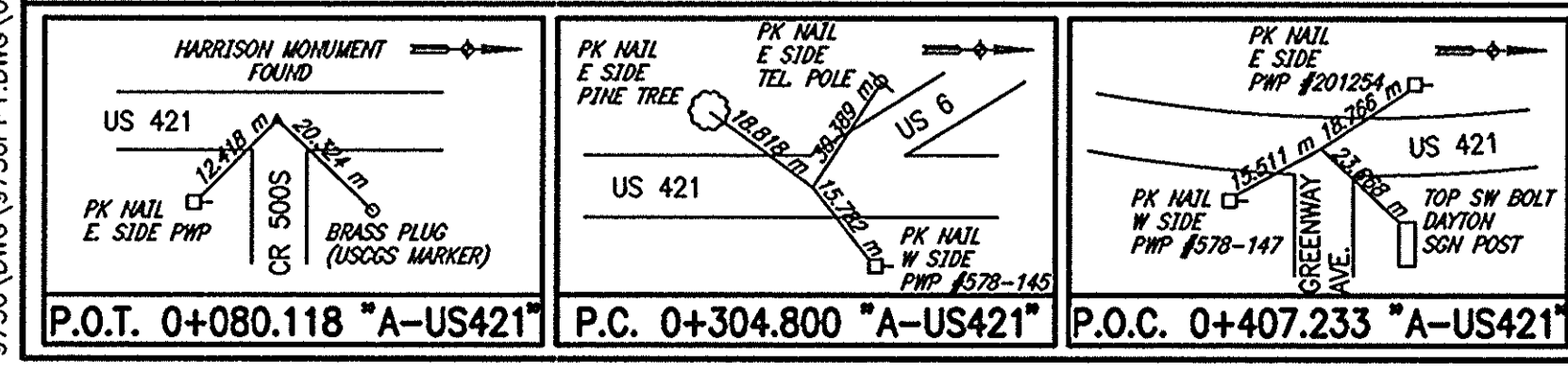
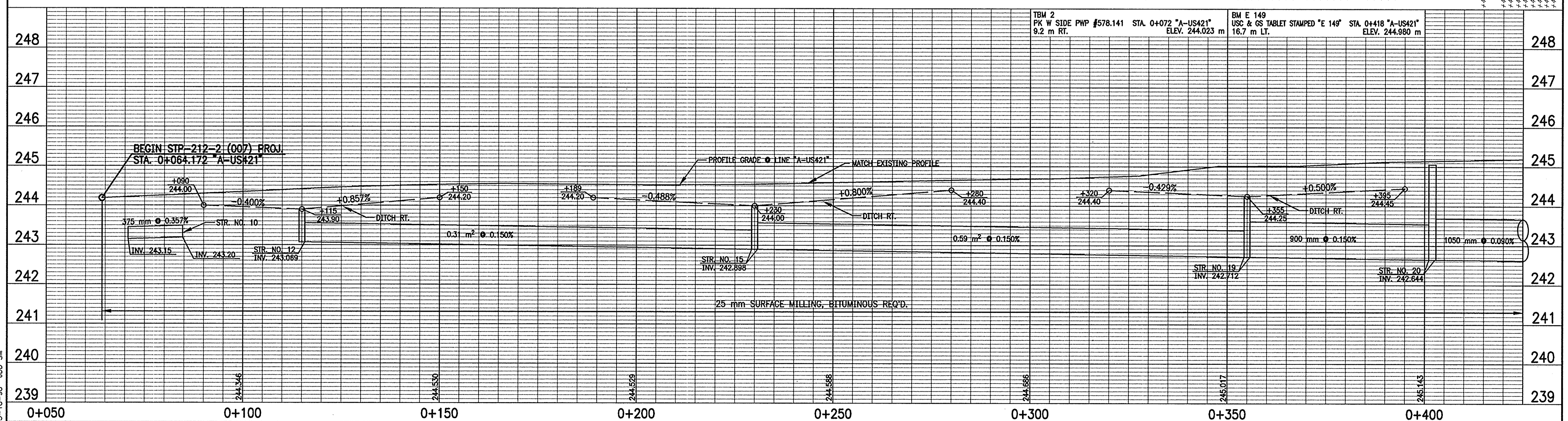
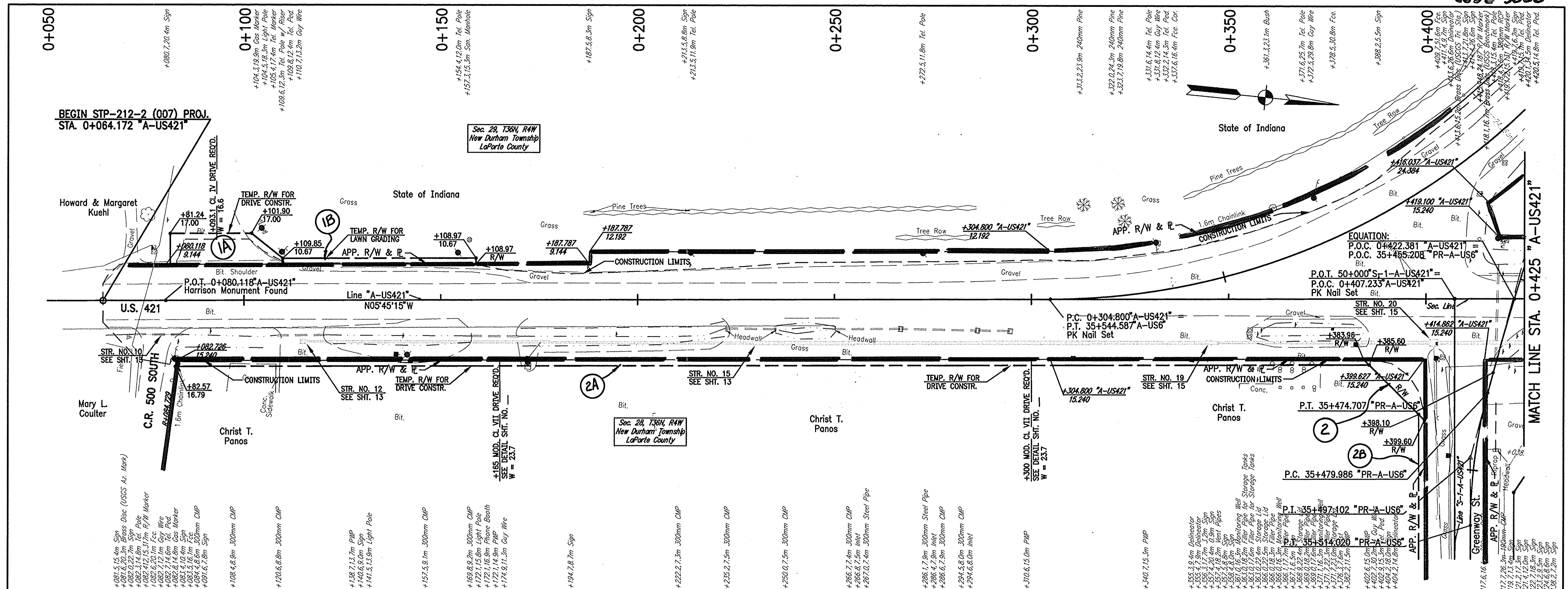
LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
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- (R) 180 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"

(60) SUBGRADE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF INDOT STANDARD SPECIFICATION

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					RECOMMENDED FOR APPROVAL	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
					DESIGN ENGINEER		DATE	1 : 50
					DESIGNED:		VERTICAL SCALE	9703160
					DRAWN:		SURVEY BOOK	SHEETS
					CHECKED:		CONTRACT	6 of 22
								PROJECT
								STP-212-2 (007)
TYPICAL CROSS SECTIONS								



P.O.T. 0+080.118 "A-US421"	P.C. 0+304.800 "A-US421"	P.O.C. 0+407.233 "A-US421"			
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INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A-US421"

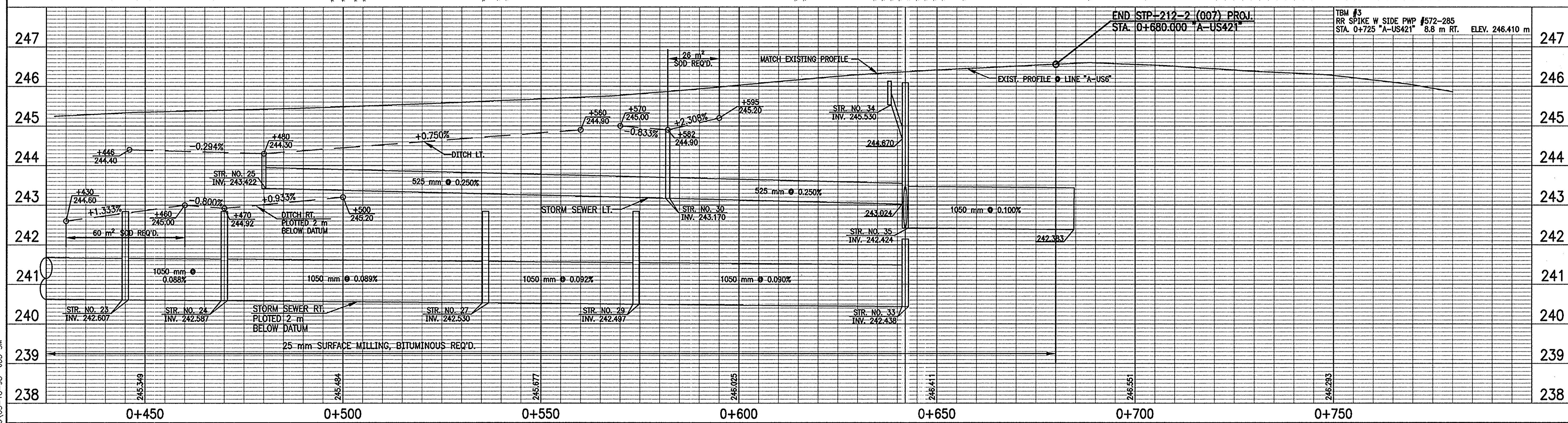
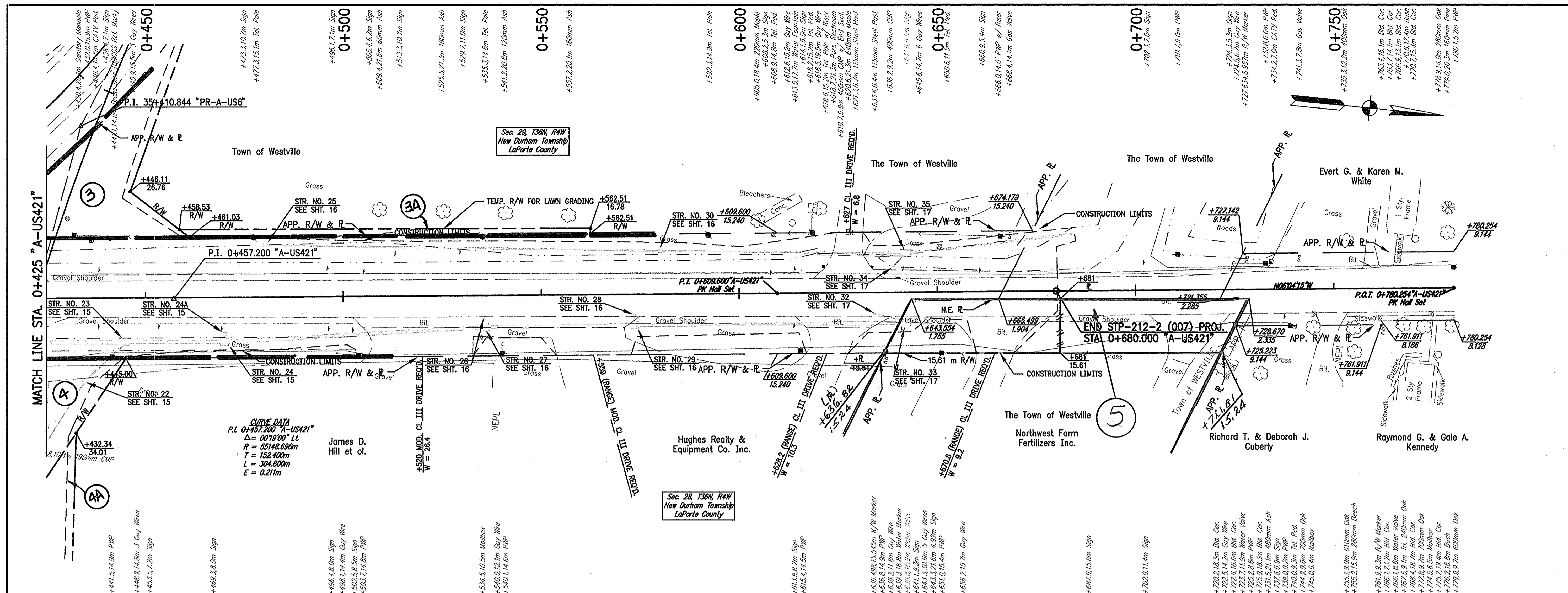
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE _____

DESIGNED: _____ DRAWN: _____

CHECKED: _____ CHECKED: _____

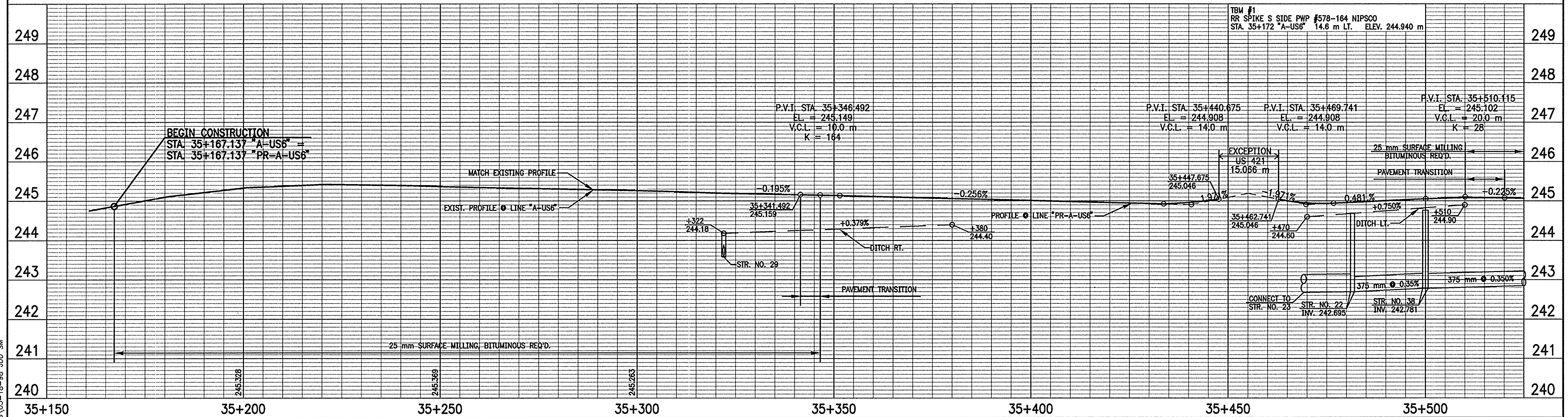
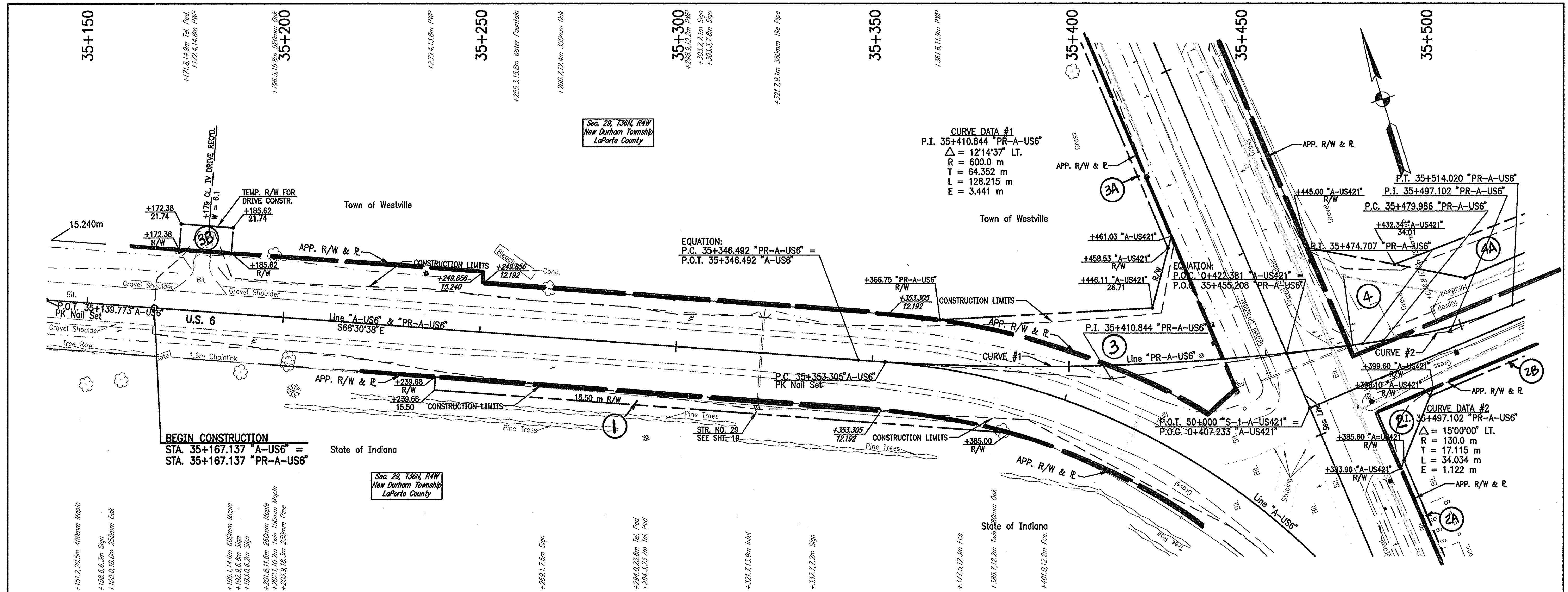
HORIZONTAL SCALE	BRIDGE FILE
1 : 500	DESIGNATION
VERTICAL SCALE	7903160
1 : 50	SURVEY BOOK
	7 of 22
	SHEETS
	PROJECT
	STP - 212 - 2 (007)

9756 DWG 9756PPL.DWG 05-18-88 JDD SM



<p>PK NAIL E SIDE TEL POLE #282</p> <p>PK NAIL W SIDE TEL POLE #154</p> <p>PK NAIL E SIDE PWP #282</p> <p>PK NAIL W SIDE PWP #154</p> <p>P.T. 0+609.600 "A-US421"</p> <p>P.O.T. 0+780.254 "A-US421"</p>	<p>PK NAIL E SIDE TEL POLE #282</p> <p>PK NAIL W SIDE TEL POLE #154</p> <p>PK NAIL E SIDE PWP #282</p> <p>PK NAIL W SIDE PWP #154</p> <p>P.T. 0+609.600 "A-US421"</p> <p>P.O.T. 0+780.254 "A-US421"</p>																															
<p>RECOMMENDED FOR APPROVAL</p> <p style="text-align: right;">DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: _____ DRAWN: _____</p> <p>CHECKED: _____ CHECKED: _____</p>												<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN & PROFILE LINE "A-US421"</p>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1 : 500</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1 : 50</td> <td>7903160</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td></td> <td>8 of 22</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td></td> <td>STP - 212 - 2 (007)</td> </tr> </table>		HORIZONTAL SCALE	BRIDGE FILE	1 : 500		VERTICAL SCALE	DESIGNATION	1 : 50	7903160	SURVEY BOOK	SHEETS		8 of 22	CONTRACT	PROJECT		STP - 212 - 2 (007)
HORIZONTAL SCALE	BRIDGE FILE																															
1 : 500																																
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SURVEY BOOK	SHEETS																															
	8 of 22																															
CONTRACT	PROJECT																															
	STP - 212 - 2 (007)																															

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RECOMMENDED FOR APPROVAL

DESIGNED: _____ DRAWN: _____

CHECKED: _____ CHECKED: _____

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "PR-A-US6"

HORIZONTAL SCALE
1 : 500

VERTICAL SCALE
1 : 50

SURVEY BOOK _____ SHEETS _____

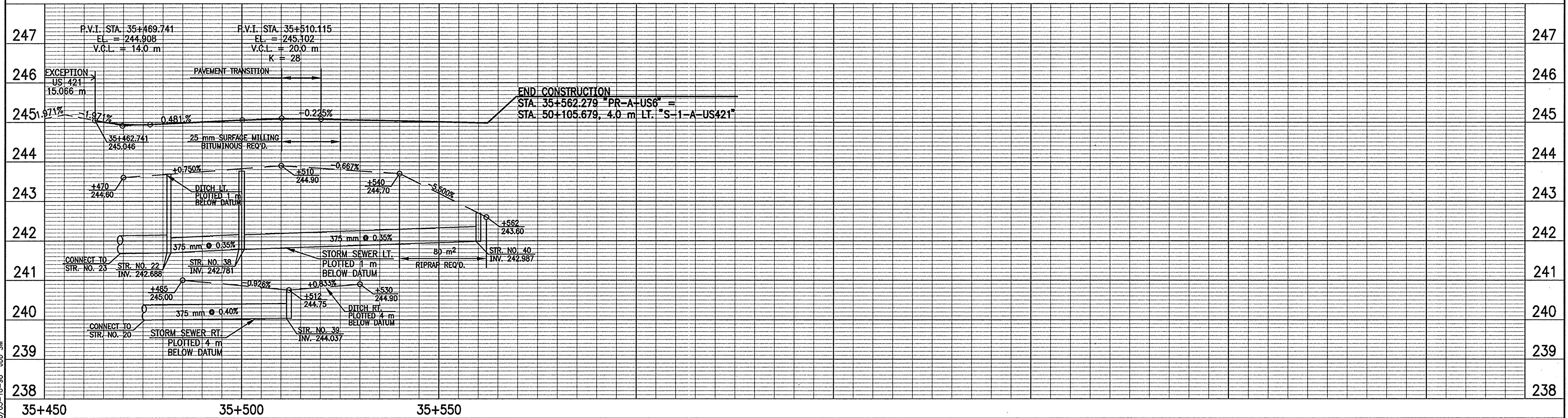
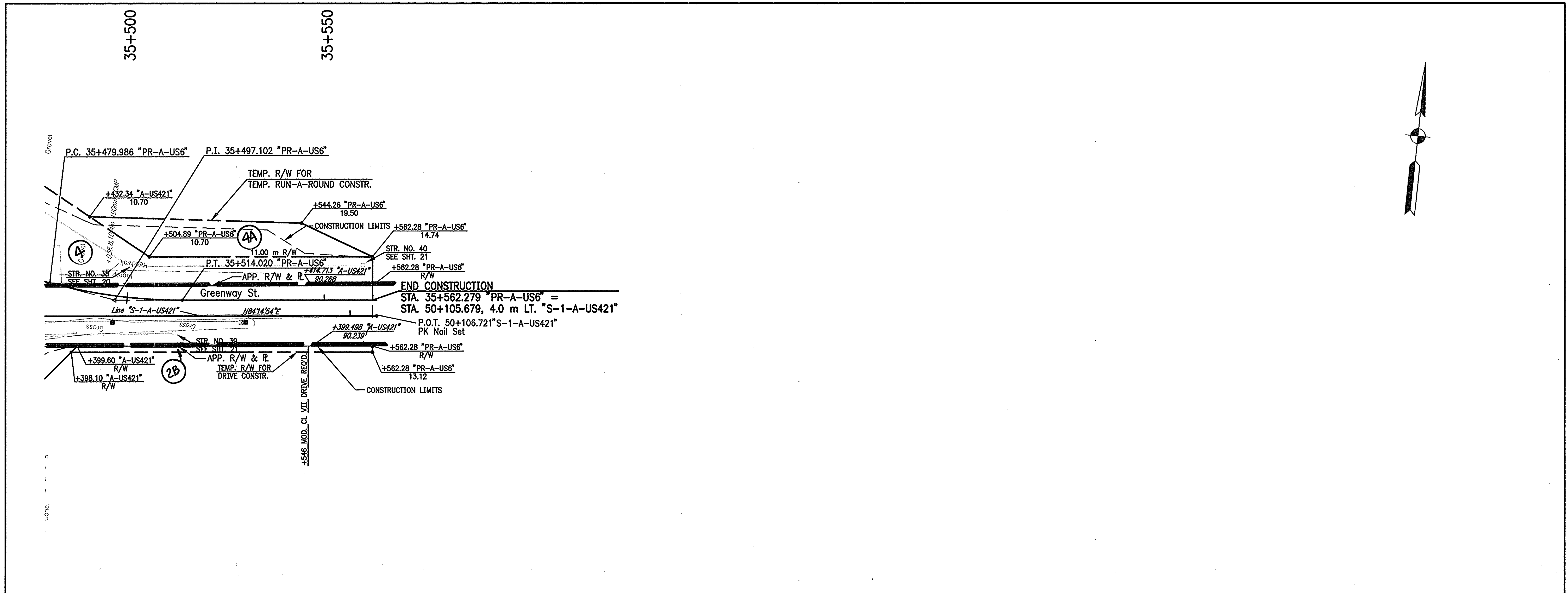
CONTRACT _____ SHEETS 9 of 22

PROJECT STP - 212 - 2 (007)

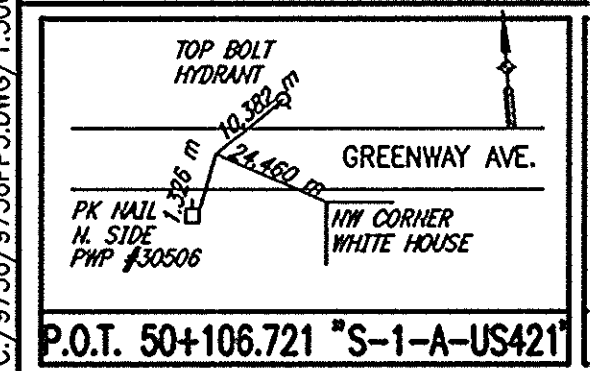
P.O.T. 35+139.773 "A-US6"

P.C. 35+353.305 "A-US6"

C:\9756\DWG\9756PP3.DWG 05-18-98 JDD SM



C:\97556\97556PP3.DWG/1500/05-18-98 .JDD.SM



RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE _____

DESIGNED: _____ DRAWN: _____
CHECKED: _____ CHECKED: _____

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "PR-A-US6"

HORIZONTAL SCALE 1 : 500	BRIDGE FILE
VERTICAL SCALE 1 : 50	DESIGNATION 7903160
SURVEY BOOK	SHEETS 10 of 22
CONTRACT	PROJECT STP - 212 - 2 (007)

0+050

0+100

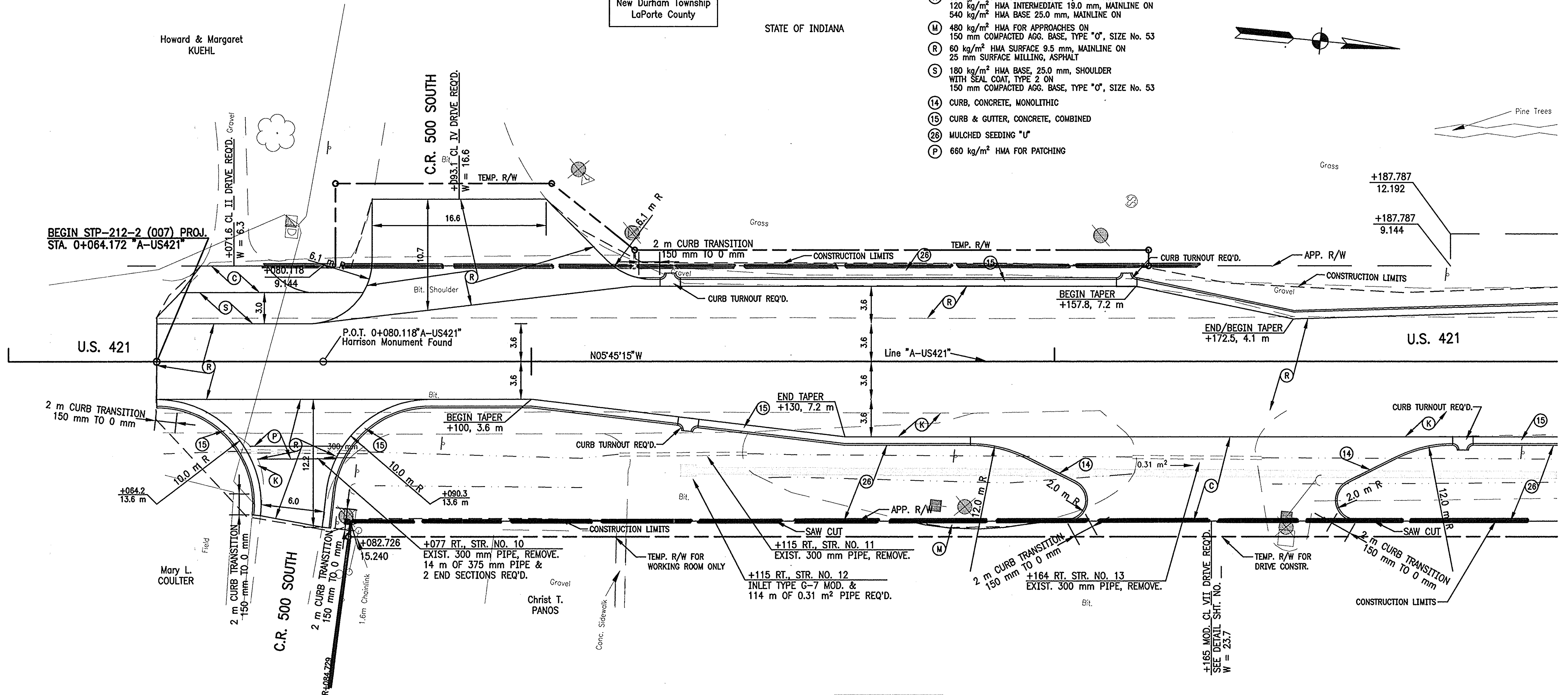
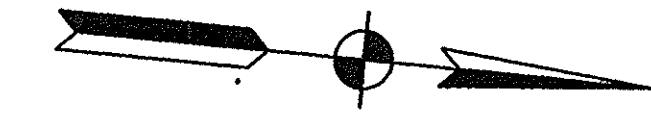
0+150

Sec. 29, T36N, R4W
New Durham Township
LaPorte County

STATE OF INDIANA

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"
- (P) 660 kg/m² HMA FOR PATCHING



Sec. 28, T36N, R4W
New Durham Township
LaPorte County

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

INDIANA DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
1 : 200	
VERTICAL SCALE	DESIGNATION
	7903160
SURVEY BOOK	SHEETS
	11 of 22
CONTRACT	PROJECT
	STP - 212 - 2 (007)

0+200

0+250

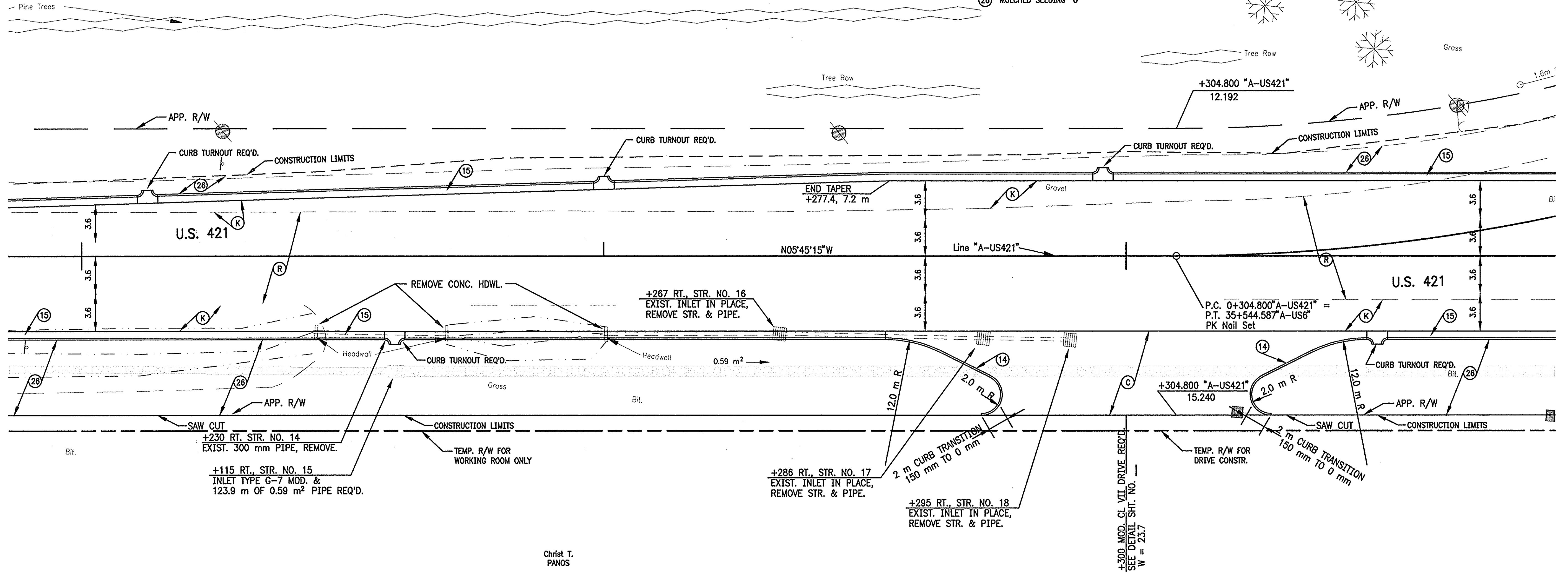
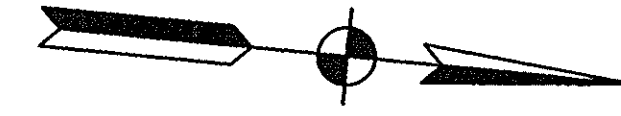
0+300

Sec. 29, T36N, R4W
New Durham Township
LaPorte County

STATE OF INDIANA

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"



Christ T. PANOS

Sec. 28, T36N, R4W
New Durham Township
LaPorte County

9756.DWG\9756002.DWG\05-18-98 JDD SM

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

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1 : 200	
VERTICAL SCALE	DESIGNATION
	7903160
SURVEY BOOK	SHEETS
	12 of 22
CONTRACT	PROJECT
	STP - 212 - 2 (007)

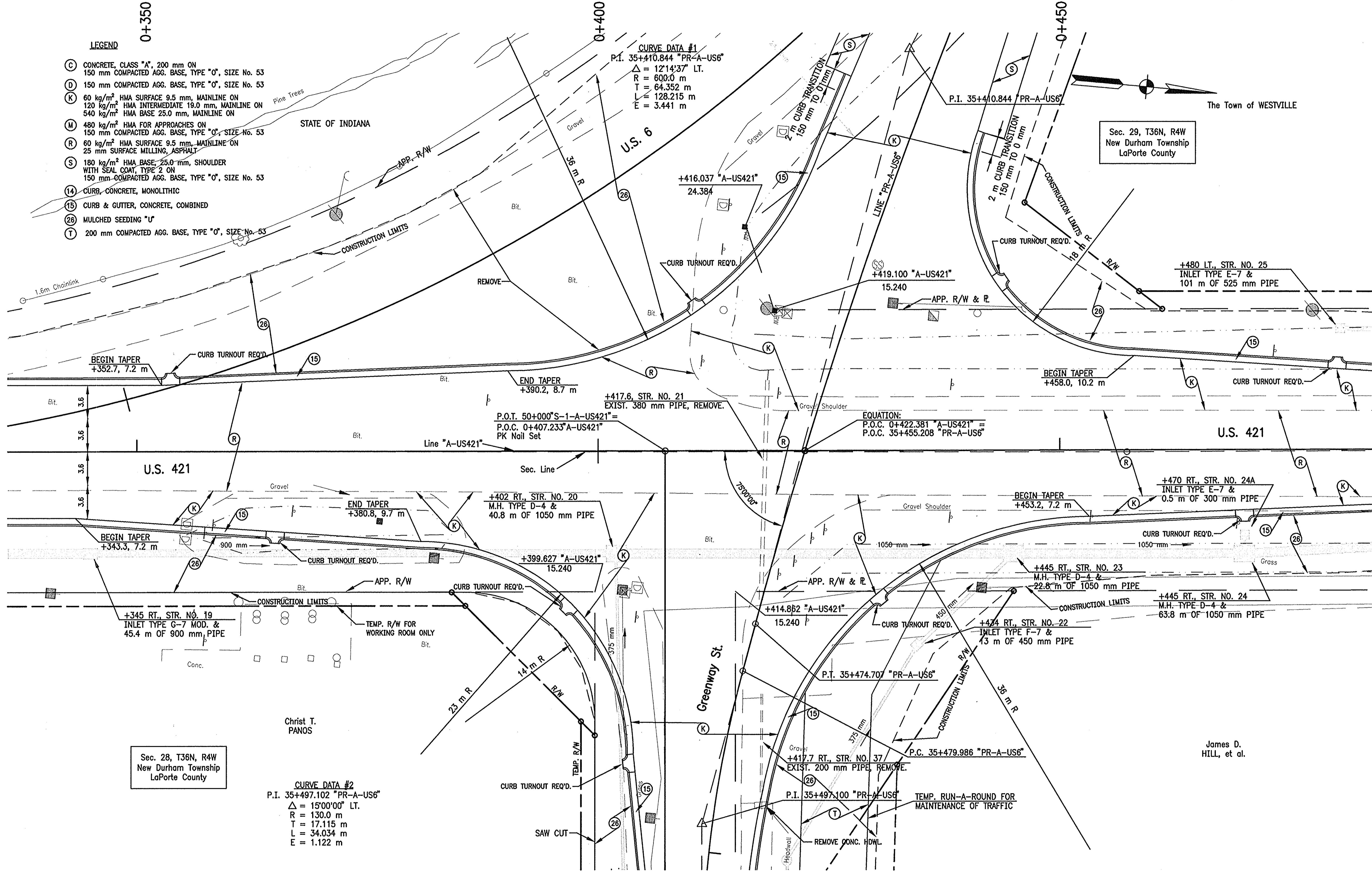
LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"
- (T) 200 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53

0+350

0+400

0+450



CURVE DATA #1
 P.I. 35+410.844 "PR-A-US6"
 $\Delta = 121'37"$ LT.
 R = 600.0 m
 T = 64.352 m
 L = 128.215 m
 E = 3.441 m

CURVE DATA #2
 P.I. 35+497.102 "PR-A-US6"
 $\Delta = 15'00"00"$ LT.
 R = 130.0 m
 T = 17.115 m
 L = 34.034 m
 E = 1.122 m

Sec. 29, T36N, R4W
 New Durham Township
 LaPorte County

Sec. 28, T36N, R4W
 New Durham Township
 LaPorte County

James D. HILL, et al.

9756.DWG(9756003.DWG) 05-18-98 JDD SM

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RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1 : 200	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 7903160
SURVEY BOOK	SHEETS 13 of 22
CONTRACT	PROJECT STP - 212 - 2 (007)

0+500

0+550

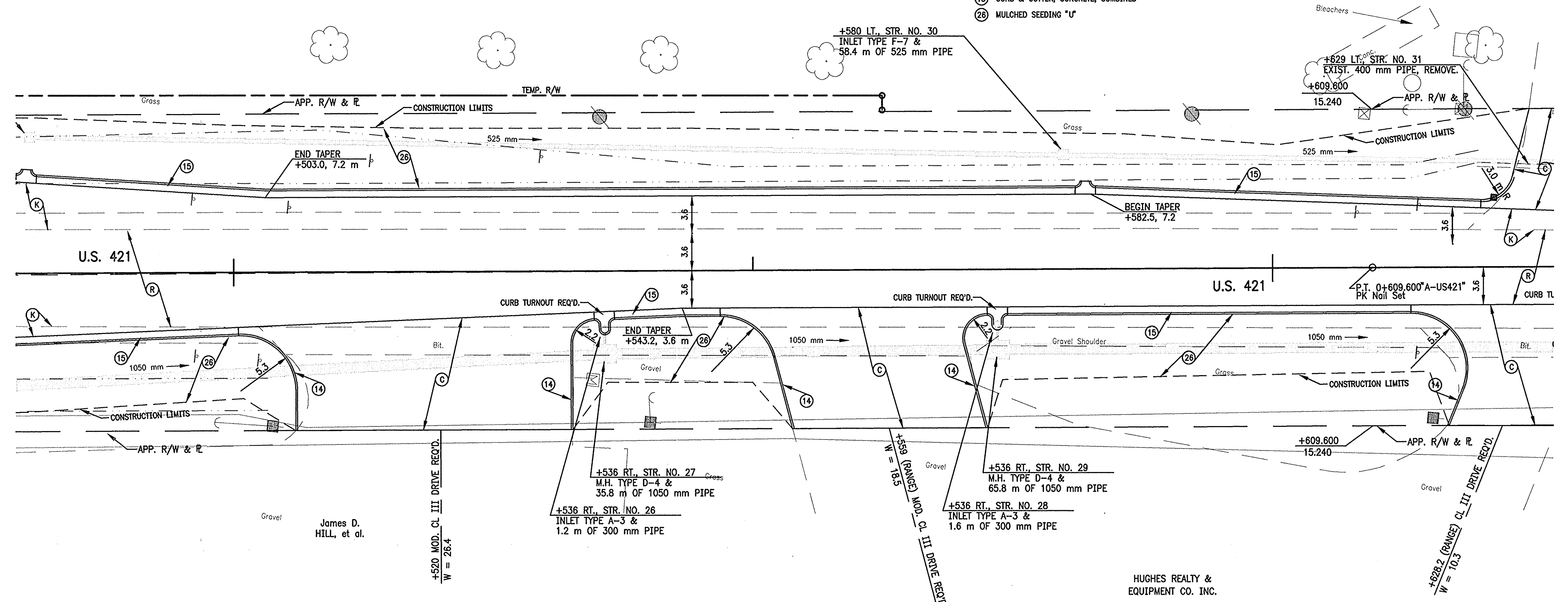
0+600

Sec. 29, T36N, R4W
New Durham Township
LaPorte County

The Town of WESTVILLE

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON
540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER
WITH SEAL COAT, TYPE 2 ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (28) MULCHED SEEDING "U"



9756 DWG \9756004.DWG\04-14-98 JDD SM

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

**INDIANA
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1 : 200	
VERTICAL SCALE	DESIGNATION
	7903160
SURVEY BOOK	SHEETS
	14 of 22
CONTRACT	PROJECT
	STP - 212 - 2 (007)

0+650

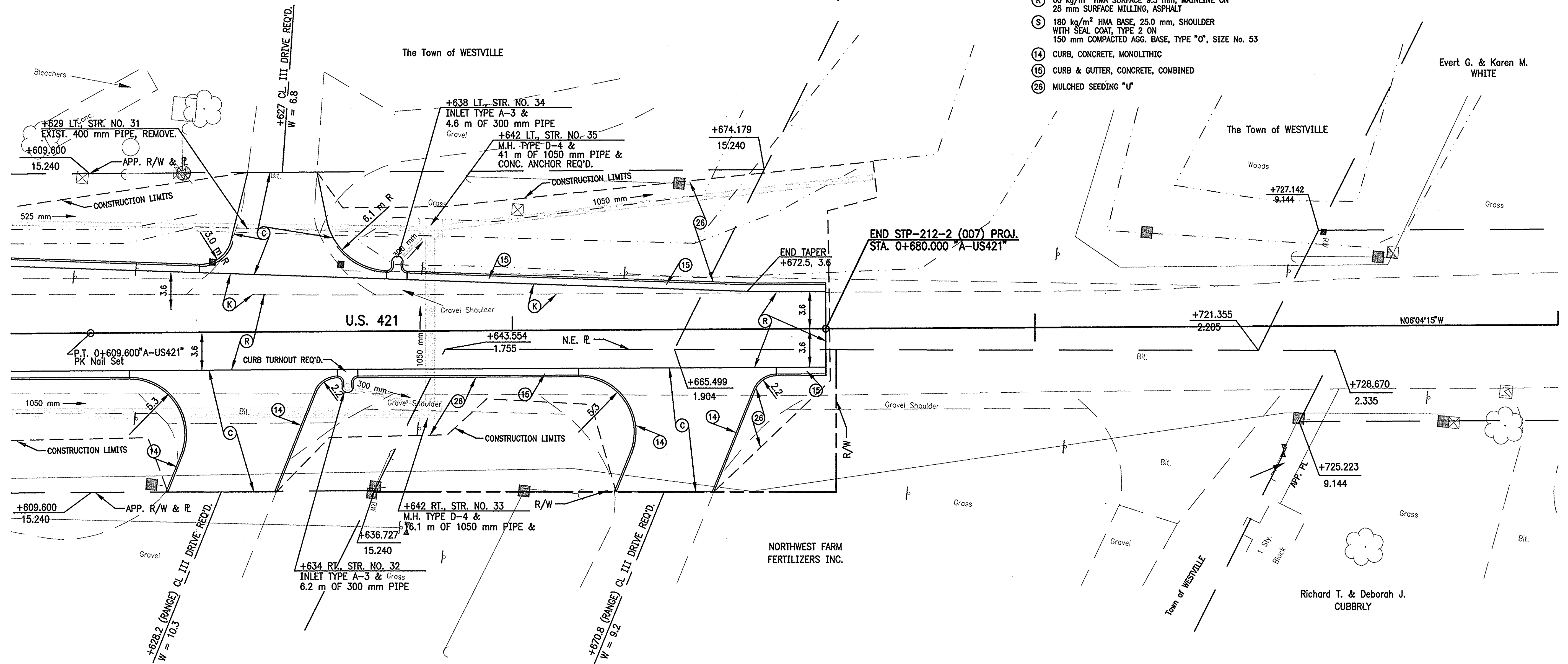
0+700

0+750

Sec. 29, T36N, R4W
New Durham Township
LaPorte County

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & CUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"



Sec. 28, T36N, R4W
New Durham Township
LaPorte County

9756\DWG\9756005.DWG 4-14-98 JDD

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

INDIANA
DEPARTMENT OF TRANSPORTATION

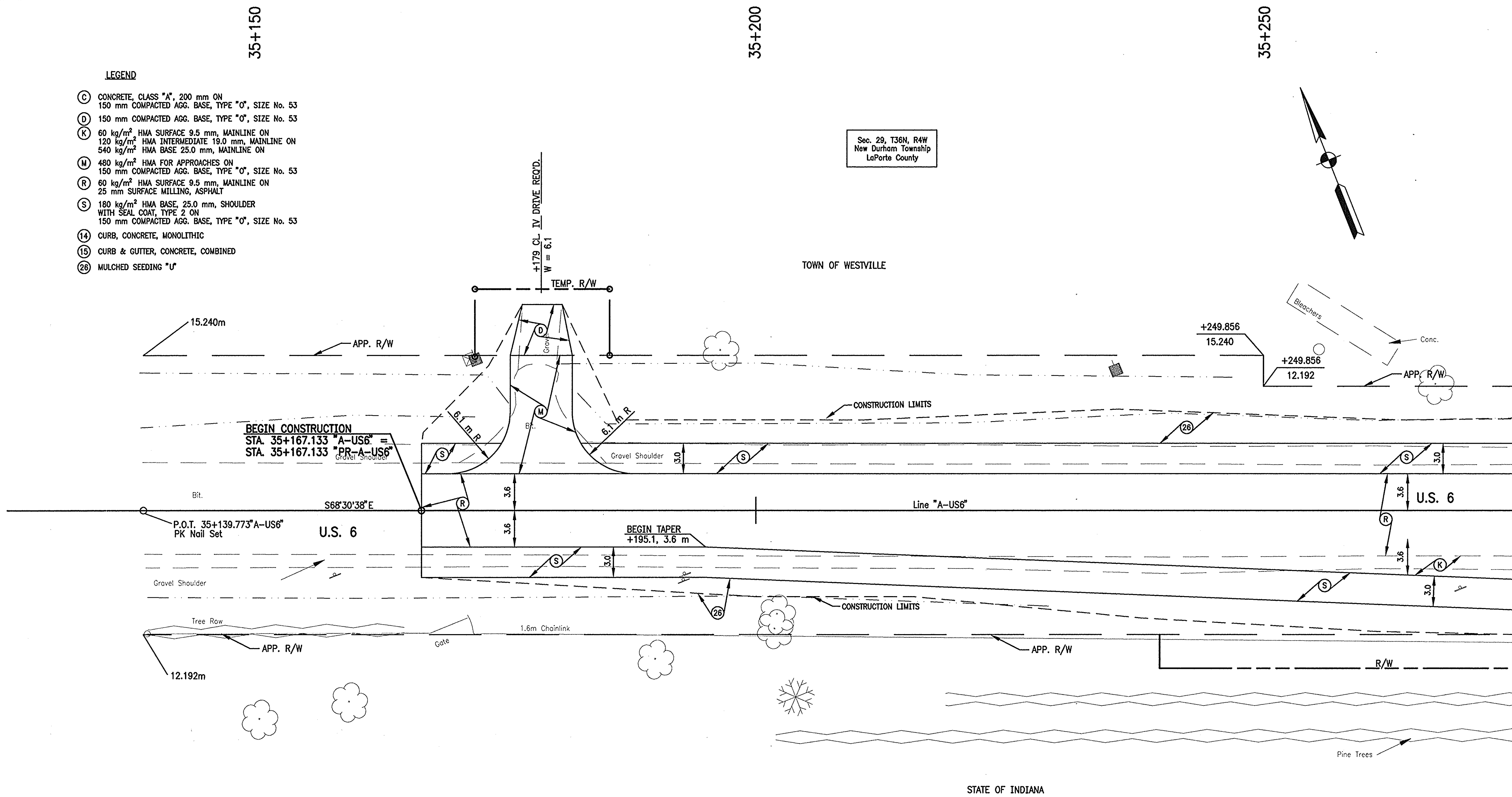
CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1 : 200	
VERTICAL SCALE	DESIGNATION
	7903160
SURVEY BOOK	SHEETS
	15 of 22
CONTRACT	PROJECT
	STP - 212 - 2 (007)

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON
540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER
WITH SEAL COAT, TYPE 2 ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (28) MULCHED SEEDING "U"

Sec. 29, T36N, R4W
New Durham Township
LaPorte County



9756A.DWG(9756C06.DWG) 05-18-98 JDD SM

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RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

**INDIANA
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1 : 200	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 7903160
SURVEY BOOK	SHEETS
CONTRACT	16 of 22
	PROJECT
	STP - 212 - 2 (007)

35+300

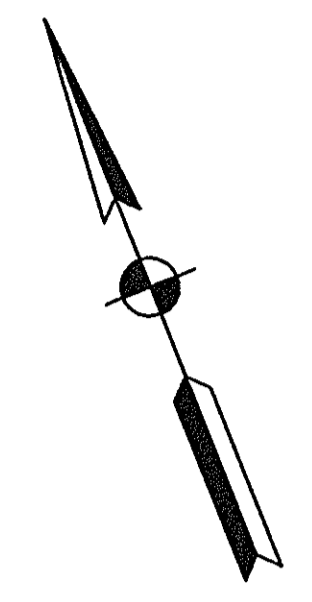
35+350

35+400

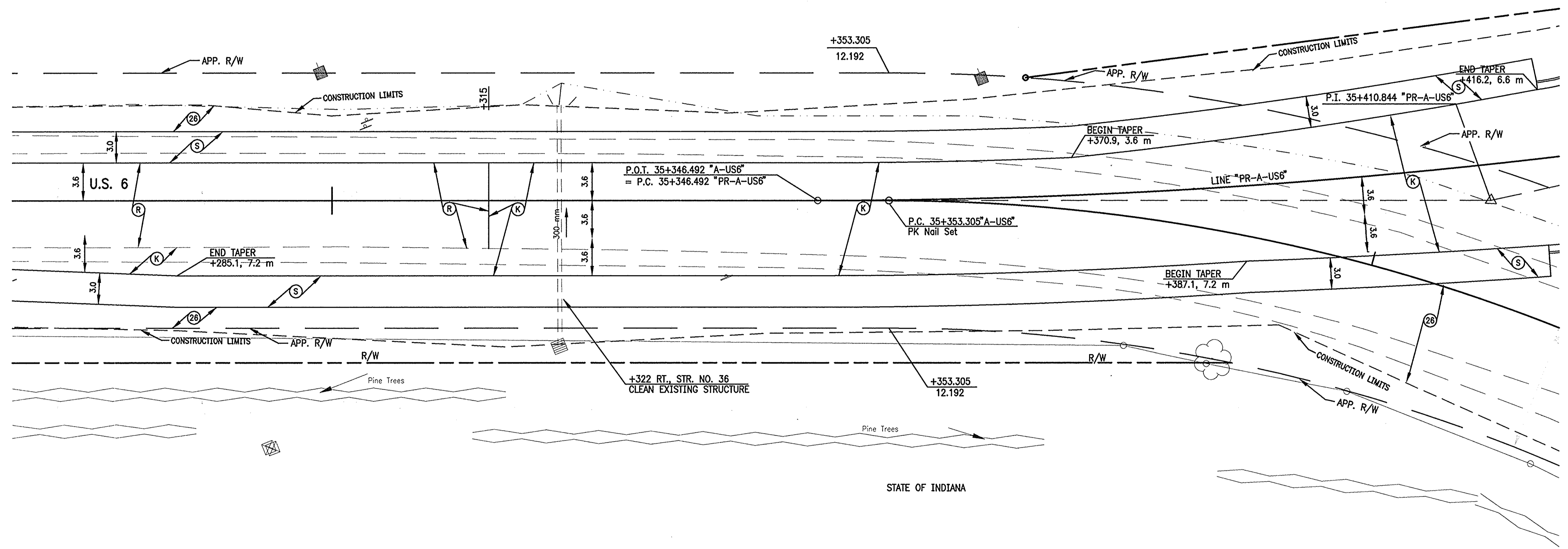
Sec. 29, T36N, R4W
New Durham Township
LaPorte County

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON
540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON
25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER
WITH SEAL COAT, TYPE 2 ON
150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"



TOWN OF WESTVILLE



STATE OF INDIANA

97561.DWG\9756007.DWG\05-18-98 JDD SM

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

**INDIANA
DEPARTMENT OF TRANSPORTATION**

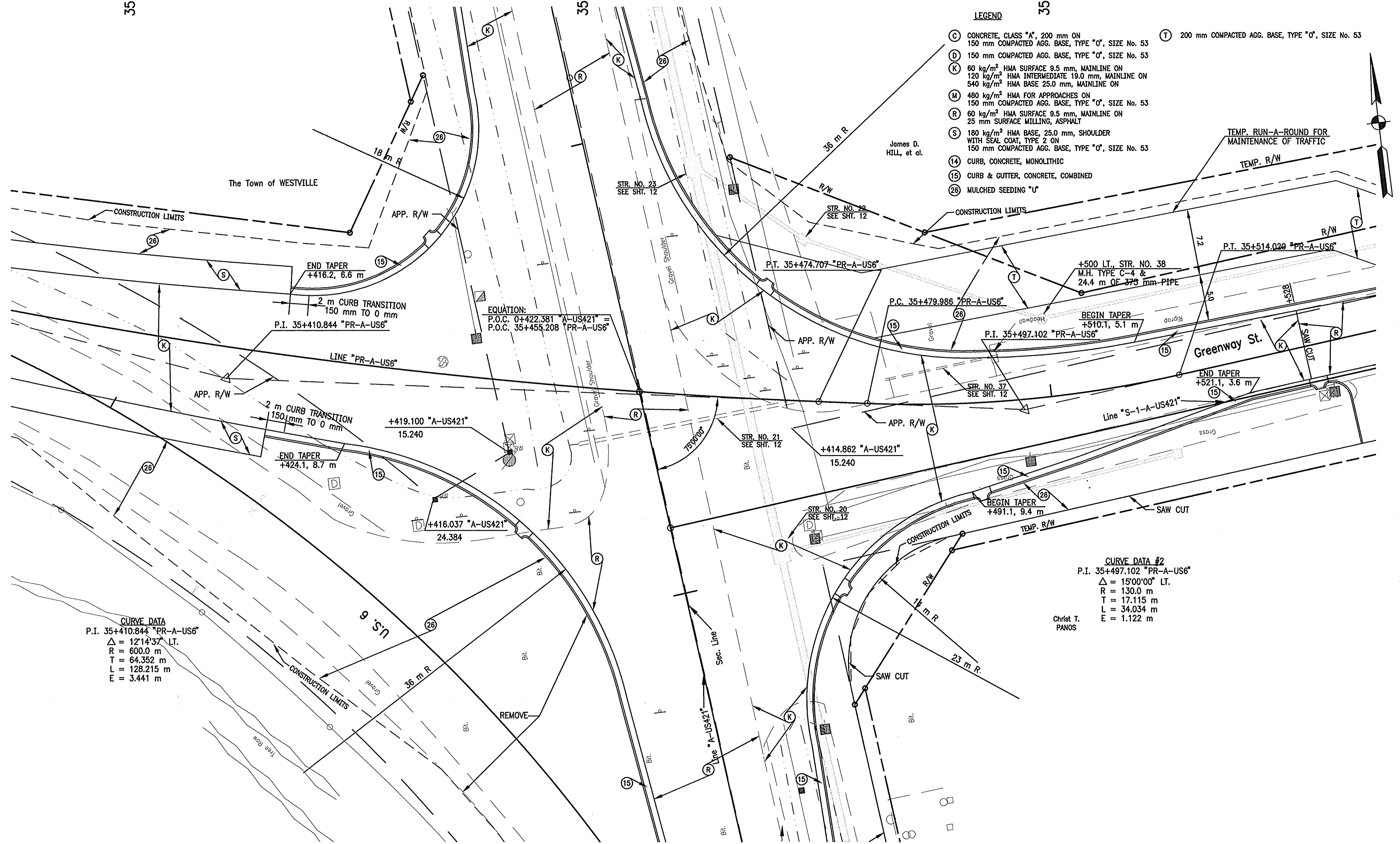
CONSTRUCTION DETAILS

HORIZONTAL SCALE 1 : 200	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 7903160
SURVEY BOOK	SHEETS 17 of 22
CONTRACT	PROJECT STP - 212 - 2 (007)

35+400

35+450

35+500



LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"
- (1) 200 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53

CURVE DATA #1
 P.I. 35+410.844 "PR-A-US6"
 $\Delta = 1214'37"$ LT.
 R = 600.0 m
 T = 64.352 m
 L = 128.215 m
 E = 3.441 m

EQUATION:
 P.O.C. 0+422.381 "A-US421"
 P.O.C. 35+455.208 "PR-A-US6"

CURVE DATA #2
 P.I. 35+497.102 "PR-A-US6"
 $\Delta = 15'00"00$ LT.
 R = 130.0 m
 T = 17.115 m
 L = 34.034 m
 E = 1.122 m

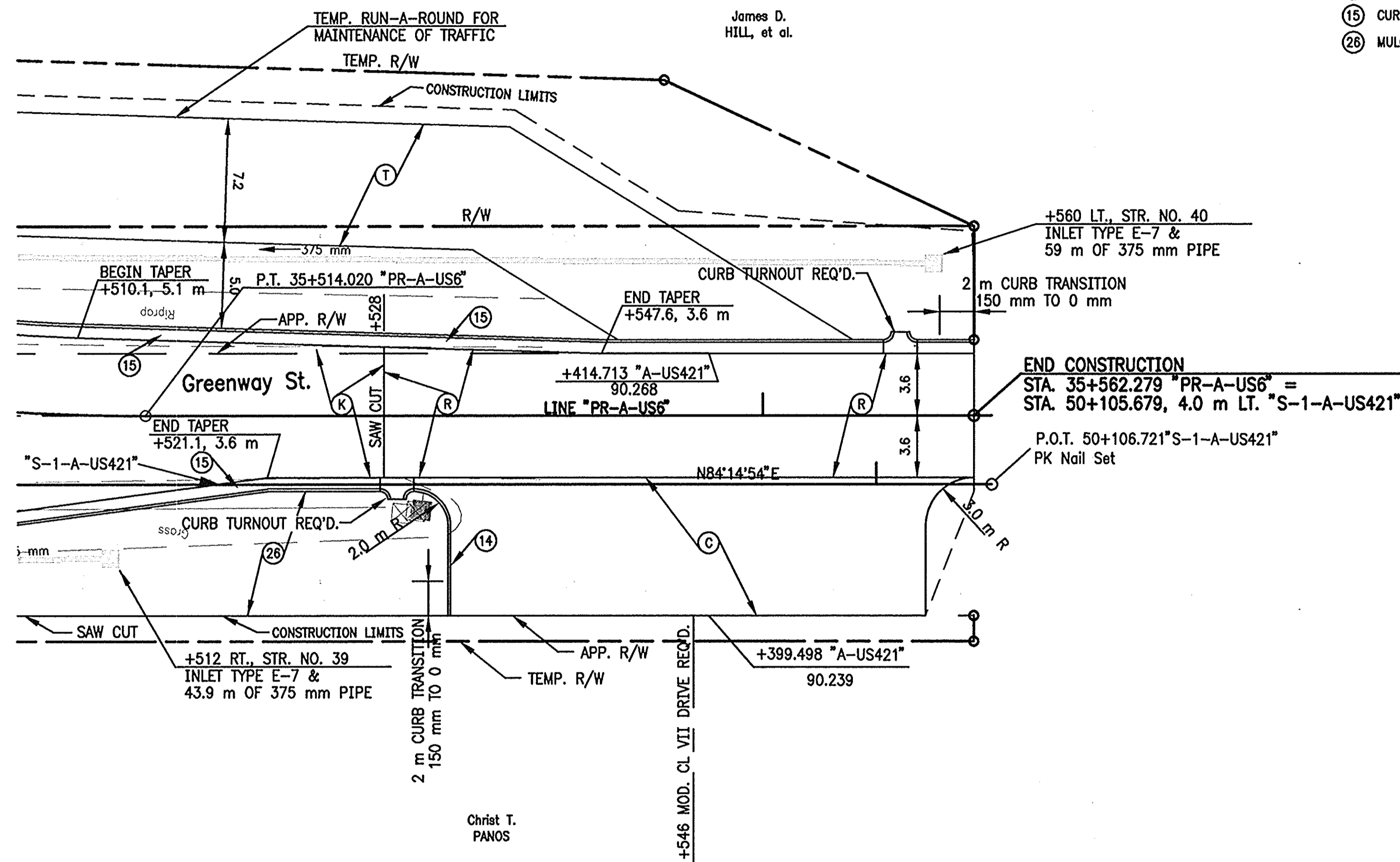
9756(DWG) 9756(CD) 05-18-98 JDD SM

RECOMMENDED FOR APPROVAL _____				INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
DESIGNED: _____ DRAWN: _____						1 : 200		DESIGNATION	
CHECKED: _____				DATE _____		7903160		SHEETS	
CONSTRUCTION DETAILS				CONTRACT		18 of 22		PROJECT	
						SIP - 212 - 2 (007)			

35+550

LEGEND

- (C) CONCRETE, CLASS "A", 200 mm ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (D) 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (K) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 120 kg/m² HMA INTERMEDIATE 19.0 mm, MAINLINE ON 540 kg/m² HMA BASE 25.0 mm, MAINLINE ON
- (M) 480 kg/m² HMA FOR APPROACHES ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (R) 60 kg/m² HMA SURFACE 9.5 mm, MAINLINE ON 25 mm SURFACE MILLING, ASPHALT
- (S) 180 kg/m² HMA BASE, 25.0 mm, SHOULDER WITH SEAL COAT, TYPE 2 ON 150 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53
- (14) CURB, CONCRETE, MONOLITHIC
- (15) CURB & GUTTER, CONCRETE, COMBINED
- (26) MULCHED SEEDING "U"
- (T) 200 mm COMPACTED AGG. BASE, TYPE "O", SIZE No. 53



9756\DWG\9756CD9.DWG\05-18-98 JDD SM

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

**INDIANA
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1 : 200	
VERTICAL SCALE	DESIGNATION
	7903160
SURVEY BOOK	SHEETS
	19 of 22
CONTRACT	PROJECT
	STP - 212 - 2 (007)

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH m	SKEW	COVER m	FLOW LINE			SITE DESIGNATION	pH	BACKFILL METHOD	B BORROW FOR STR. BACKFILL m³	REVEITEMENT RIPRAP Mg	CONCRETE CLASS A, FOR STRUCTURES m³	PIPE END SECTION			GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT							UP STREAM ELEV.	DOWN STREAM ELEV.	SERVICE LIFE YR.							EA.	TYPE	SLOPE	EA.	SLOPE	EA.				
																									CROSS			
34	LINE "A-US421" 0+638	X		300 mm	2	INLET TYPE A-3	4.6		0.3	245.490	244.630	75		7.0													35	
35	0+642	X		1050 mm	2	MANHOLE TYPE D-4	41.0		0.3	242.424	242.383	75		7.0			0.95											CONCRETE ANCHOR REQUIRED
36	LINE "PR-A-US6" 35+322		X																									CLEAN EXISTING STRUCTURE
37	35+489	X																										REMOVE EXIST. 200 mm PIPE
38	35+500	X		375 mm	2	MANHOLE TYPE C-4	26.3		0.3	242.781	242.688	75		7.0													22	
39	35+512		X	375 mm	2	INLET TYPE E-7	43.9		0.3	244.037	243.862	75		7.0													20	
40	35+560	X		375 mm	2	INLET TYPE E-7	59.0		0.3	242.987	242.781	75		7.0													38	

REVISED 4/15/98
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		RECOMMENDED FOR APPROVAL _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE NONE	BRIDGE FILE		
		DESIGN ENGINEER _____ DATE _____		VERTICAL SCALE NONE	DESIGNATION 7803160		
		DESIGNED: A & F DRAWN: MJF		SURVEY BOOK		SHEETS 22 of 22	
CHECKED: _____	CHECKED: _____	STRUCTURE DATA		CONTRACT		PROJECT STP-212-2 (007)	