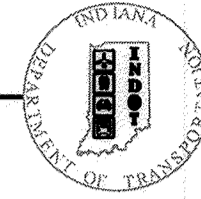


PROJECT	DESIGNATION
0710(980)	0710980
CONTRACT	
R-31710	

STATION	LATITUDE	LONGITUDE
P.O.B. Sta. 519+02.78 LINE 'H-2'	38°33'52" N	86°29'49" W
P.O.E. Sta. 608+22.56 Line 'H-2'	38°33'22" N	86°28'10" W

# INDIANA DEPARTMENT OF TRANSPORTATION



# ROAD PLANS U.S. 150/S.R. 56 2015 PROJECT

PROJECT NO. - 0710(980)

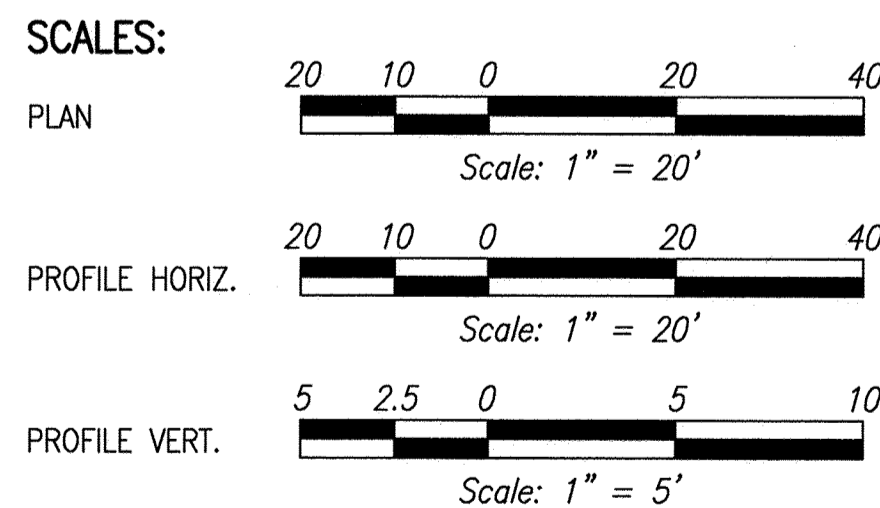
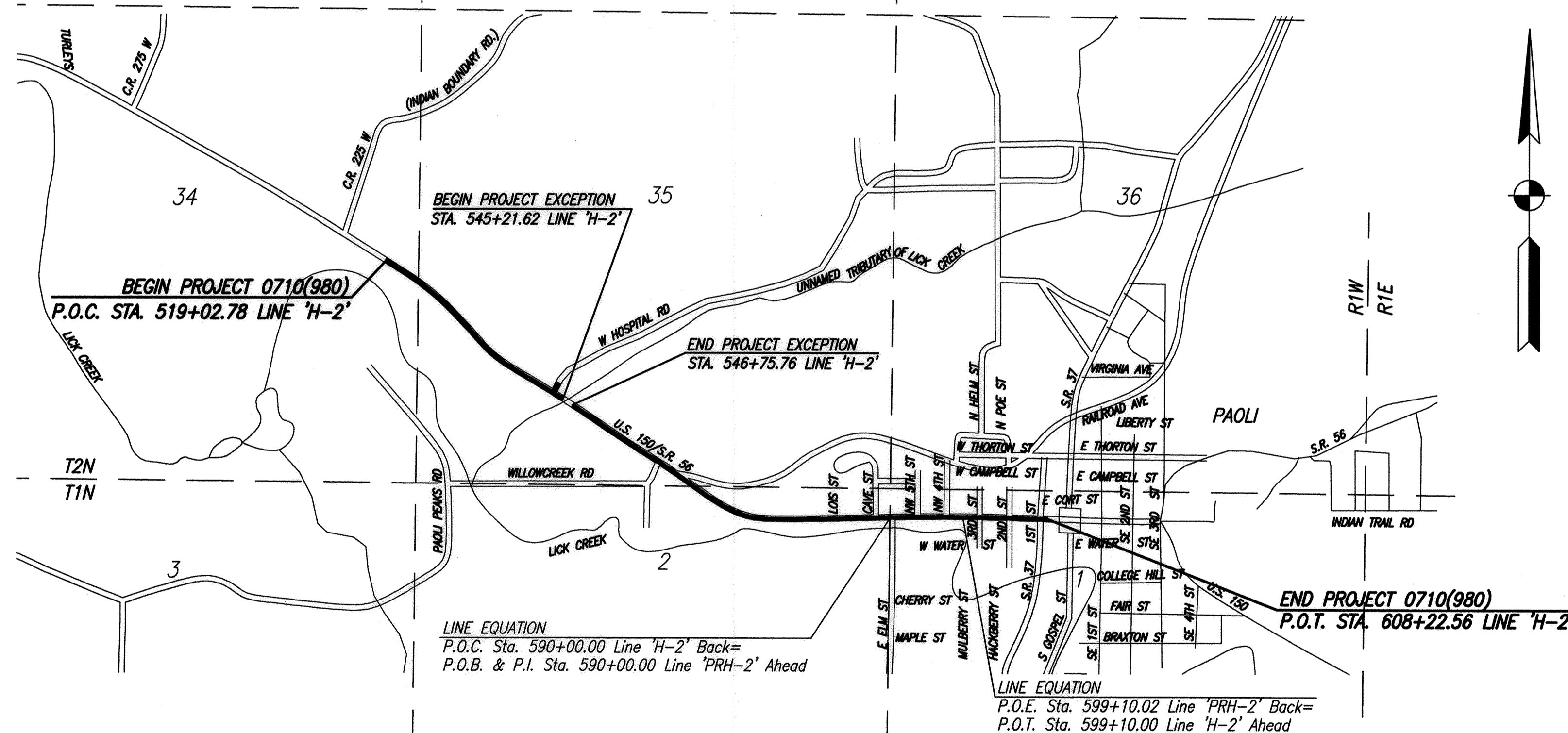
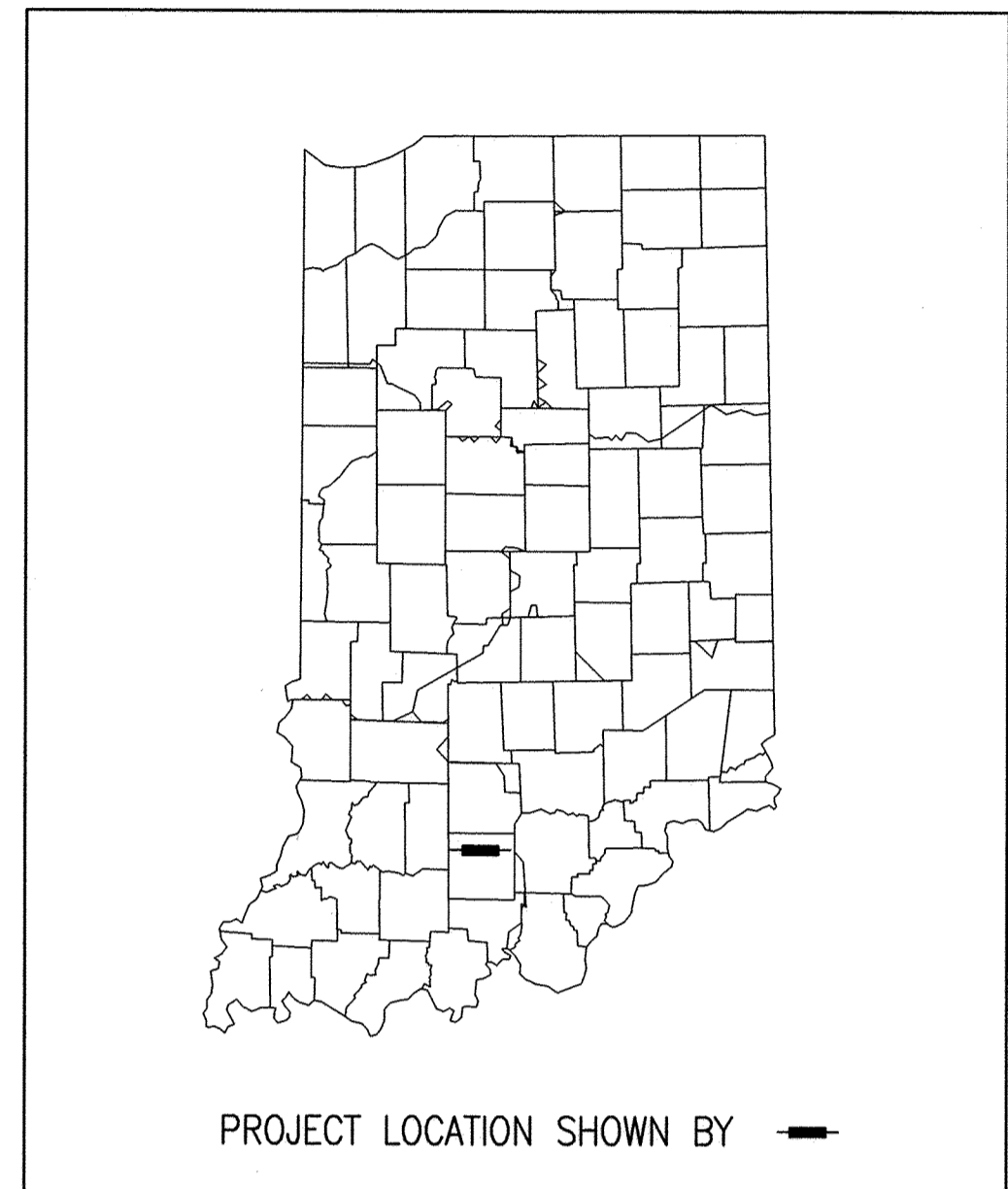
(X)P.E.  
(X)R/W  
(X)CONST.

S.R. 56 FROM RP 132+46 TO RP 134+15

ROAD REHABILITATION OF U.S. 150/S.R. 56 BEGINNING 680 FEET EAST OF THE INTERSECTION OF U.S. 150/S.R. 56 AND C.R. 225 W (INDIAN BOUNDARY ROAD) AND ENDING AT THE WEST JUNCTION OF THE INTERSECTION OF U.S. 150/S.R. 56 AND S.R. 37/FIRST STREET, SEC. 34 AND 35, T2N, R1W, AND SEC. 1 AND 2 T1N, R1W, IN PAOLI TOWNSHIP, ORANGE COUNTY, INDIANA

SCALES: PLAN LONG: 1" = 20' TRANS: 1" = 20' PROFILE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5' GROSS LENGTH= 1.69 MI NET LENGTH= 1.66 MI MAXIMUM GRADE (EXISTING) = 4.65%

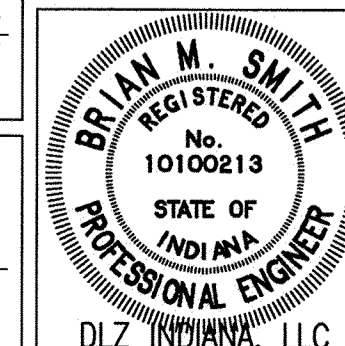
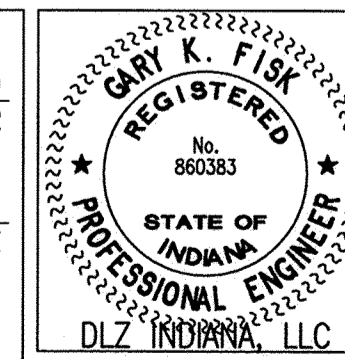
TRAFFIC DATA	U.S. 150/S.R. 56 (RURAL)	U.S. 150/S.R. 56 (URBAN)
A.A.D.T. 2015	5,806 V.P.D.	8,523 V.P.D.
A.A.D.T. (2035)	7,820 V.P.D.	11,480 V.P.D.
D.H.V. (2035)	833 V.P.H.	1202 V.P.H.
DIRECTIONAL DISTRIBUTION	51% WB	54% WB
TRUCKS	13% A.A.D.T.	6% A.A.D.T.
	13% D.H.V.	6% D.H.V.
DESIGN DATA		
DESIGN SPEED	50 M.P.H.	30 M.P.H.
PROJECT DESIGN CRITERIA	PARTIAL 3R (NON-FREEWAY)	PARTIAL 3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	MINOR ARTERIAL
RURAL/URBAN	RURAL	URBAN (BUILT-UP)
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

PAOLI TOWNSHIP  
ORANGE COUNTY  
NOT TO SCALE

PLANS PREPARED BY:	DLZ INDIANA, LLC 2211 E. JEFFERSON BLVD. SOUTH BEND, INDIANA 46615	(574) 236 - 4400 PHONE NUMBER
CERTIFIED BY:	<i>Gay K. Fisk</i> REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA NO. 860383	03/12/2015 DATE
CERTIFIED BY:	<i>Brian M. Smith</i> REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA NO. 10100213	3-12-2015 DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE



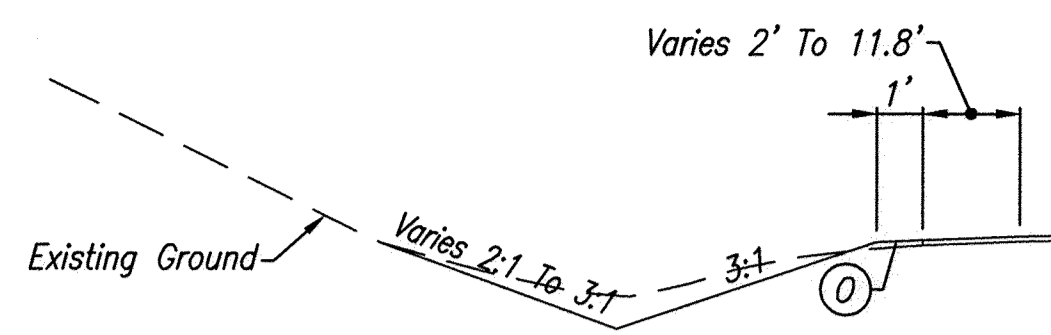
INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2014  
TO BE USED WITH THESE PLANS

ROAD FILE	
DESIGNATION	0710980
SHEETS	1 of 158
CONTRACT	R-31710
PROJECT	0710(980)



Date: Mar 13, 2015 10:46am User: b... File: \\P:\0710(980)\2015\0710(980)DWG Model Tab: Plan Set

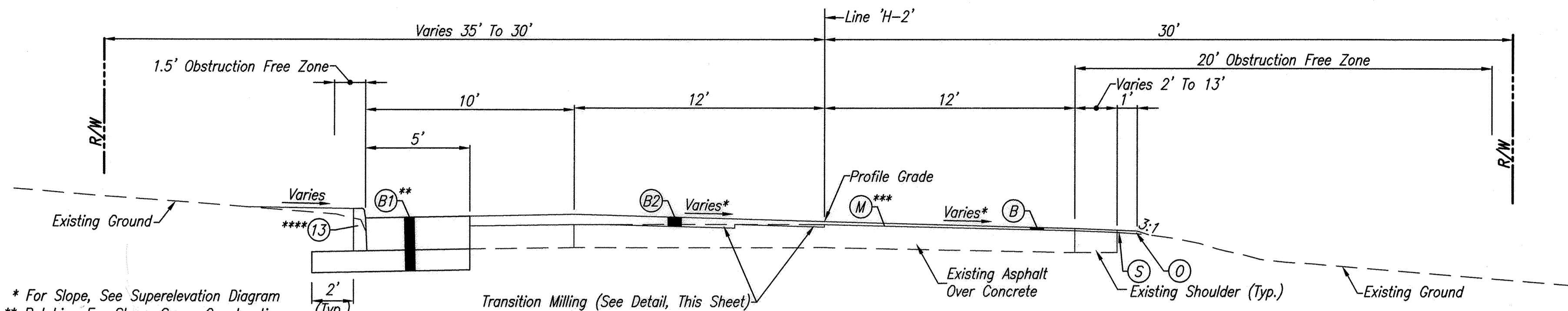




**DITCH DETAIL**

Not To Scale

Sta. 519+84.30 Line 'H-2' To Sta. 522+50.00 line 'H-2'

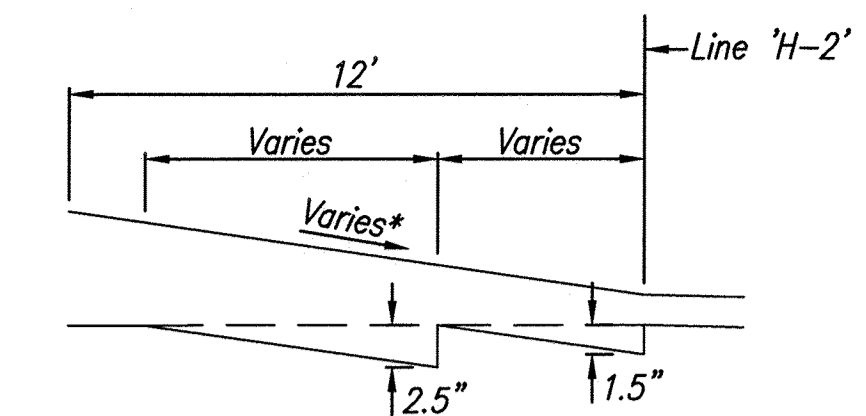


**TYPICAL SECTION - U.S. 150/S.R. 56**

Sta. 519+02.78 Line 'H-2' To Sta. 529+90.00 Line 'H-2'

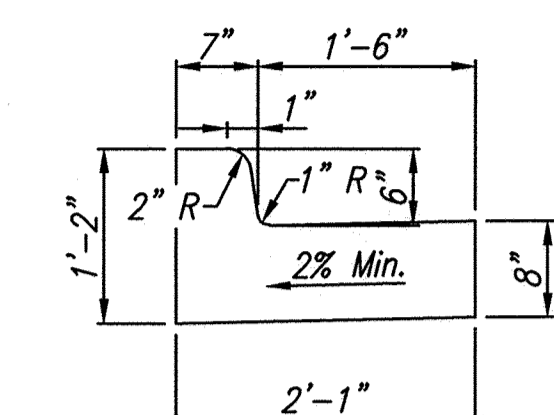
\* For Slope, See Superelevation Diagram  
 \*\* Patching For Storm Sewer Construction From Sta. 522+69.50 Line 'H-2' To Sta. 529+20.00 Line 'H-2'  
 \*\*\* Curb To Be Constructed From Sta. 523+14.50 Line 'H-2' To Sta. 528+00.00 Line 'H-2'

\*\*\* (1) From Sta. 519+02.78 Line 'H-2' To Sta. 520+50.50 Line 'H-2'



**TRANSVERSE TRANSITION MILLING DETAIL**

Not To Scale



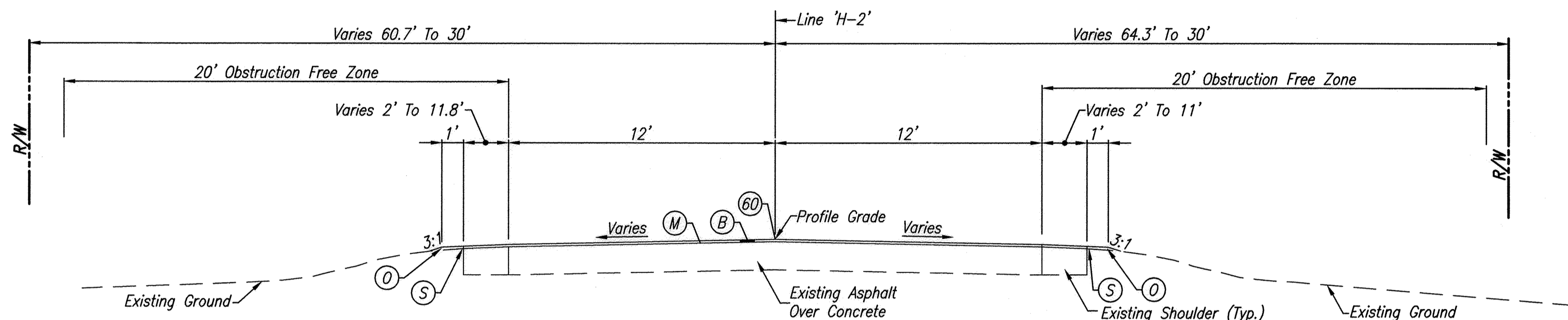
**MODIFIED COMBINED CONCRETE CURB AND GUTTER DETAIL**

Not To Scale

**HMA MILLED CORRUGATIONS**

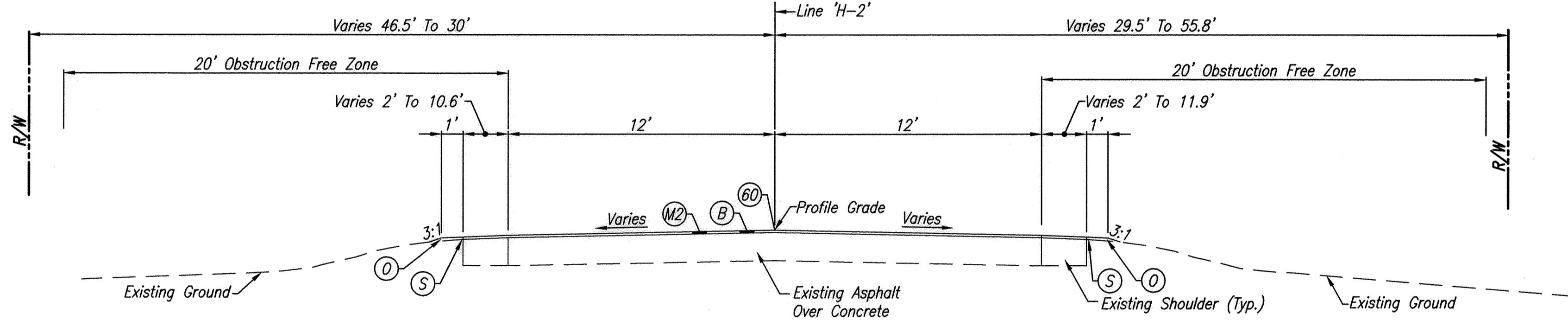
Line	From Station	Line	To Station
'H-2'	532+75.55	'H-2'	539+12.75
'H-2'	550+44.48	'H-2'	559+55.00

EARTHWORK SUMMARY TABLE	
<b>COMMON EXCAVATION</b>	
U.S. 150/S.R. 56	1,700 CYS
<b>TOTAL COMMON EXCAVATION</b>	<b>1,700 CYS</b>
<b>UNCLASSIFIED EXCAVATION</b>	
U.S. 150/S.R. 56	1,550 CYS
<b>TOTAL UNCLASSIFIED EXCAVATION</b>	<b>1,550 CYS</b>
<b>EXCAVATION</b>	
TOTAL COMMON EXCAVATION	1,700 CYS
TOTAL UNCLASSIFIED EXCAVATION	1,550 CYS
<b>TOTAL EXCAVATION</b>	<b>3,250 CYS</b>
<b>FILL</b>	
U.S. 150/S.R. 56 (538 CYS PLUS 15% SWELL)	619 CYS
<b>TOTAL FILL</b>	<b>619 CYS</b>
<b>TOTAL EXCESS EXCAVATION</b>	
	<b>2,631 CYS</b>
<b>STRUCTURE BACKFILL, TYPE 2</b>	
STORM SEWERS	2,803 CYS
BACKFILL HMA PATCH UNDERCUT (UNDISTRIBUTED)	
1,500 CYS PLUS 15% SWELL	1,725 CYS
DITCH UNDERCUT (UNDISTRIBUTED)	
200 CYS PLUS 15% SWELL	230 CYS
<b>TOTAL STRUCTURE BACKFILL, TYPE 2</b>	<b>4,758 CYS</b>



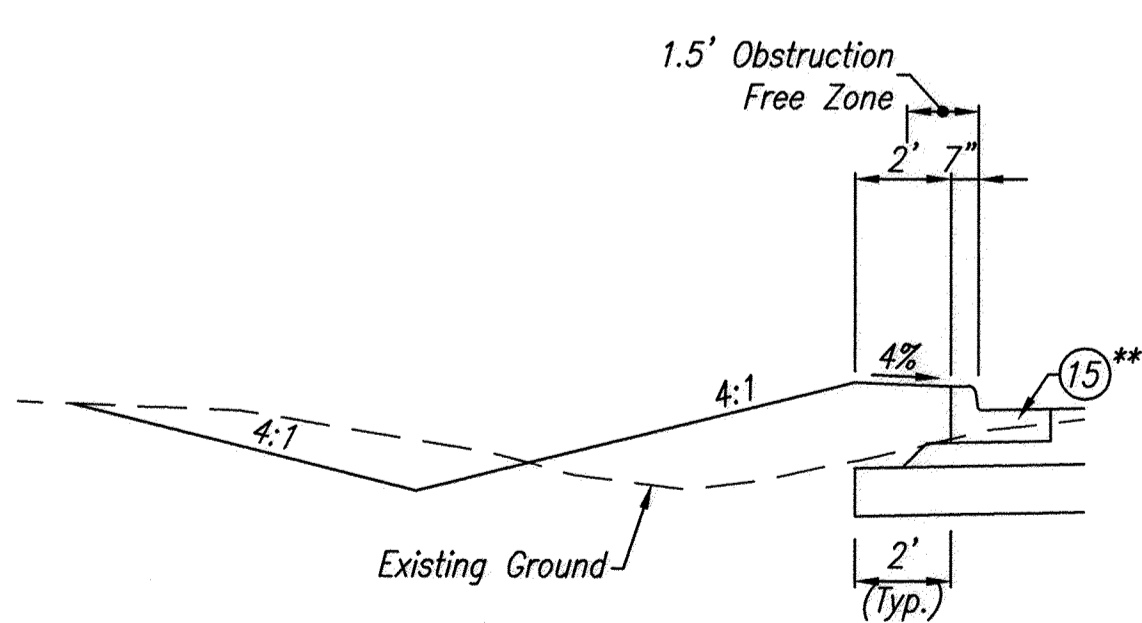
**TYPICAL SECTION - U.S. 150/S.R. 56**

Sta. 529+90.00 Line 'H-2' To Sta. 545+21.62 Line 'H-2'



**TYPICAL SECTION - U.S. 150/S.R. 56**

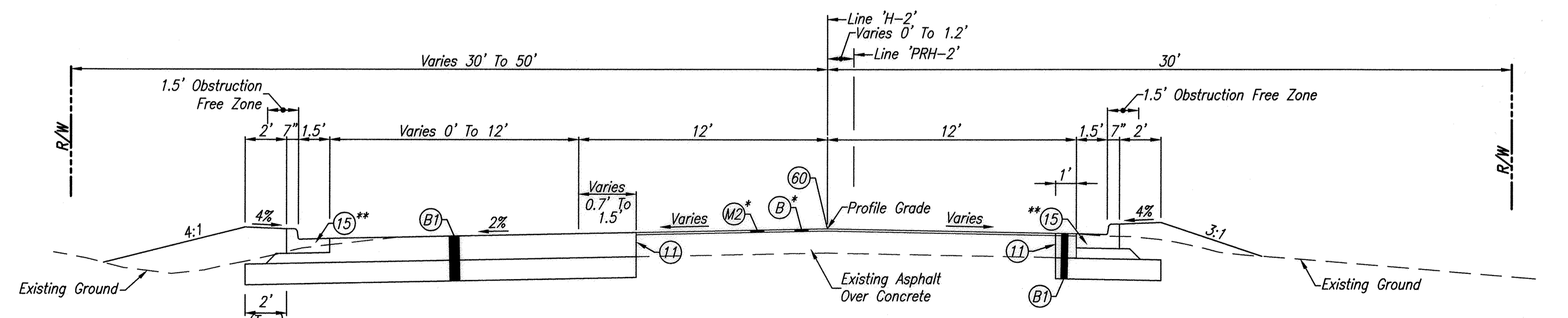
Sta. 546+75.76 Line 'H-2' To Sta. 558+06.80 Line 'H-2'



**DITCH DETAIL**

Not To Scale

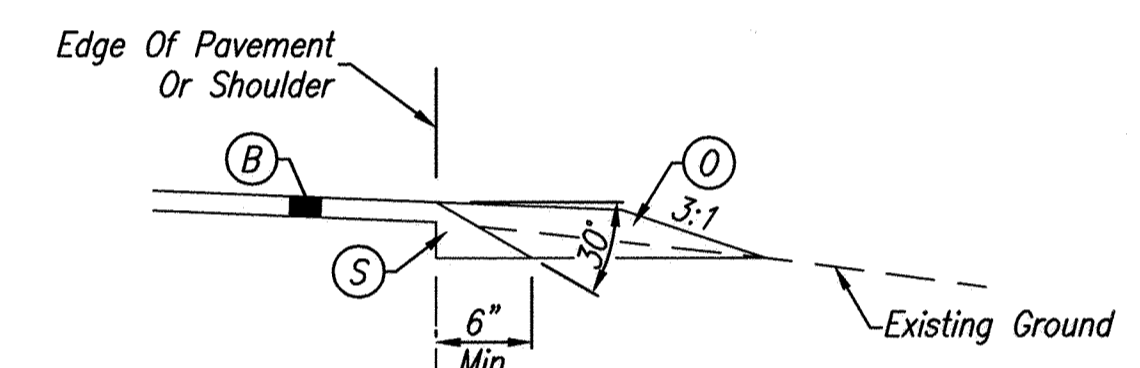
Sta. 559+00 Line 'H-2' To Sta. 561+00 line 'PRH-2'



**TYPICAL SECTION - U.S. 150/S.R. 56**

Sta. 558+06.80 Line 'H-2' To Sta. 560+70.02 Line 'H-2'  
 Sta. 560+70.02 Line 'PRH-2' To Sta. 563+00.00 Line 'PRH-2'

\* Begin (M1) and (B4) At Sta. 560+50.00 Line 'H-2'  
 \*\* See Plan and Profile Sheets For Curb and Gutter Locations



**SAFETY EDGE DETAIL**

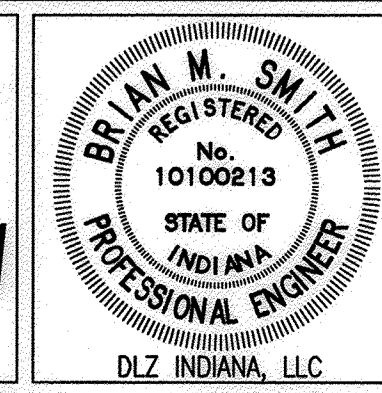
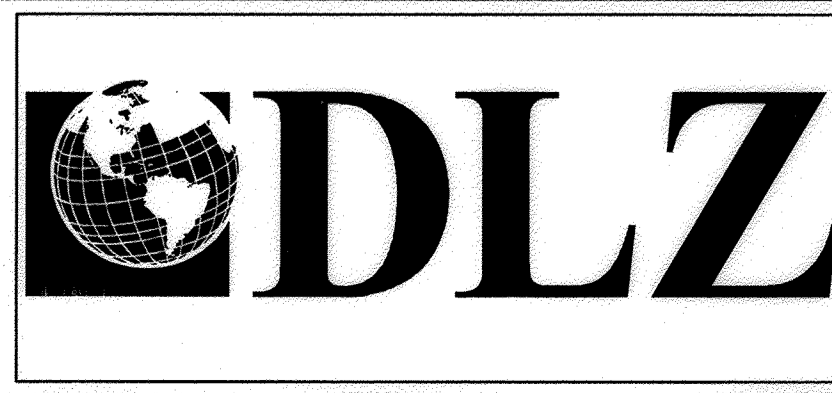
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**NOTES**

1. Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less

**LEGEND**

- (1) Sawcut
- (13) Concrete Curb
- (15) Combined Concrete Curb And Gutter, Modified
- (60) Milled Corrugations (For Locations, See Table, Sheet No. 3)
- (B) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
- (B2) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Variable Depth QC/QA-HMA, 3, 64, Base, 19.0 mm
- (B4) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
- (M) Milling, Scarification/Profile
- (M1) Milling, Asphalt (See Note Above)
- (M2) Milling, Asphalt, 1.5"
- (S) Compacted Aggregate, No. 53 (3" Min.)
- (S) Safety Edge (See Detail, This Sheet)

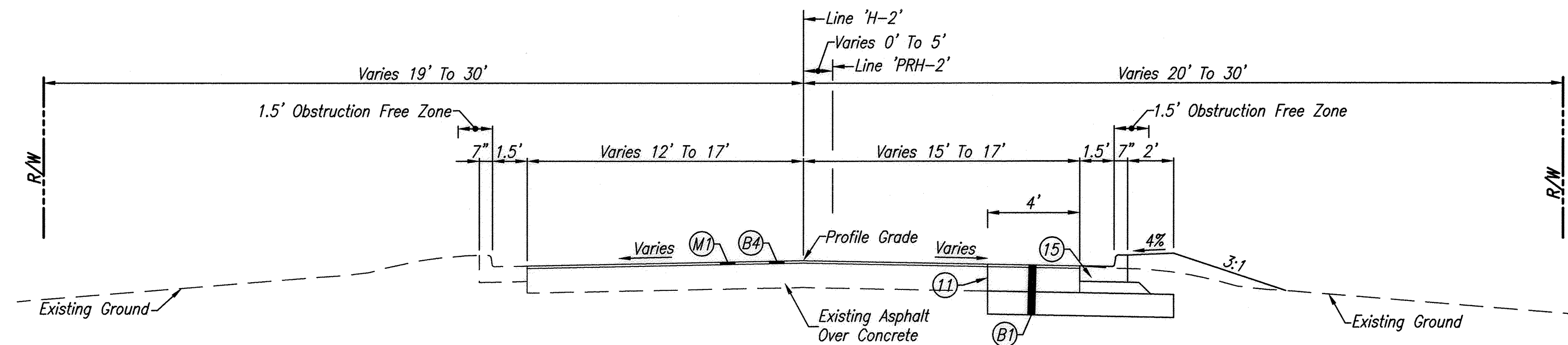


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CHECKED:	PDF	CHECKED:	BBL

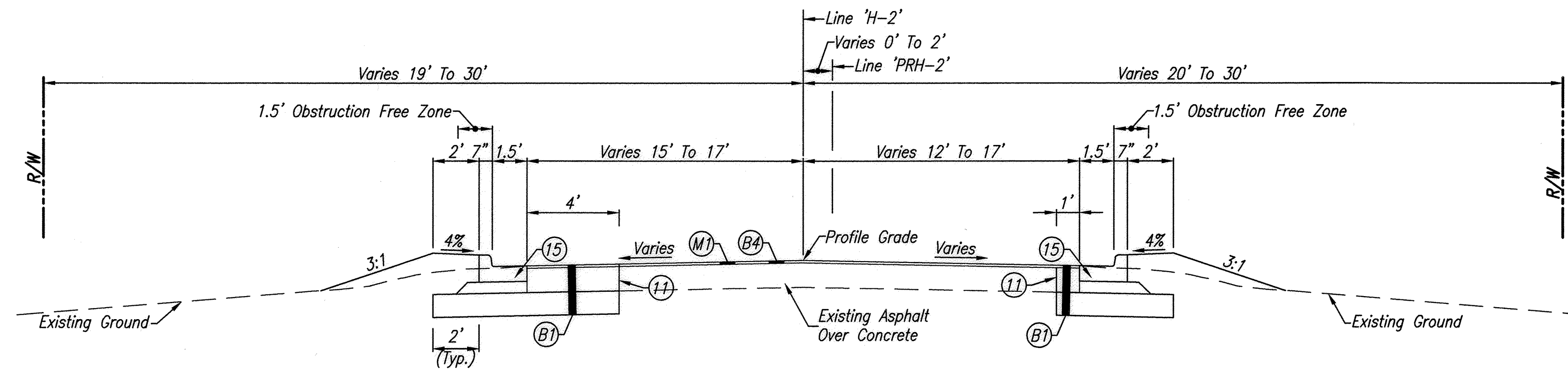
**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

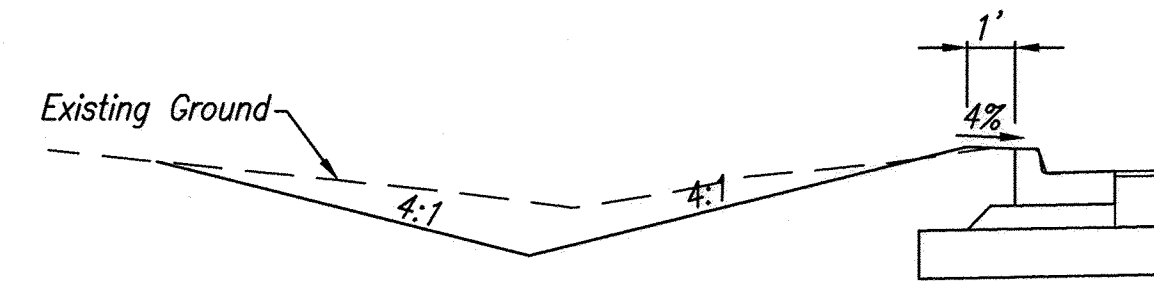
HORIZONTAL SCALE	1/4" = 1'-0"
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 158
CONTRACT	PROJECT
R-31710	0710(980)



**TYPICAL SECTION - U.S. 150/S.R. 56**  
Sta. 563+00.00 Line 'PRH-2' To Sta. 571+76.50 Line 'PRH-2'

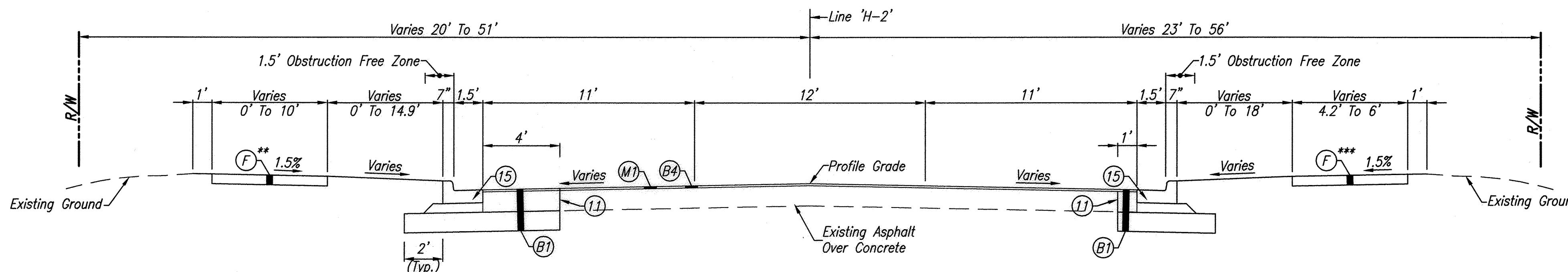


**TYPICAL SECTION - U.S. 150/S.R. 56**  
Sta. 571+76.50 Line 'PRH-2' To Sta. 579+32.68 Line 'PRH-2'  
Sta. 579+32.68 Line 'PRH-2' To Sta. 579+30.00 Line 'H-2'



**DITCH DETAIL**  
Not To Scale

Sta. 577+50.00 Line 'PRH-2' To Sta. 578+36.00 Line 'PRH-2', Lt.



**TYPICAL SECTION - U.S. 150/S.R. 56**  
Sta. 579+30.00 Line 'H-2' To Sta. 590+00.00 Line 'H-2'  
Sta. 599+10.00 Line 'H-2' To Sta. 608+22.56 Line 'H-2'

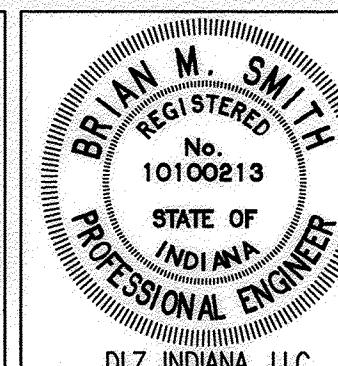
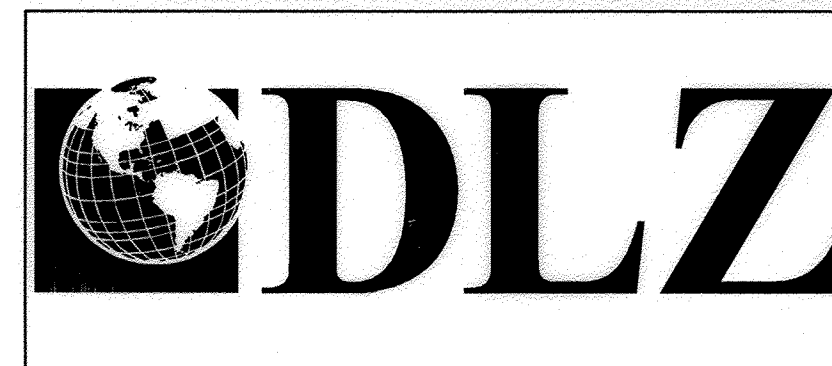
\*\* Except Where Shown On Plan Sheets,  
Existing Sidewalk To Remain In Place  
From Sta. 600+56 Line 'H-2' To  
Sta. 606+95 Line 'H-2'

\*\*\* Except Where Shown On Plan Sheets,  
Existing Sidewalk To Remain In Place  
From Sta. 600+56 Line 'H-2' To  
Sta. 606+80 Line 'H-2'

- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less

**LEGEND**

- (11) Sawcut
- (15) Combined Concrete Curb And Gutter, Modified
- (16) Combined Concrete Curb And Gutter, Type B, Modified
- (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C), On Subgrade Treatment, Type IC
- (B4) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
- (F) Concrete Sidewalk, 4"
- (M) Milling, Asphalt (See Note Above)

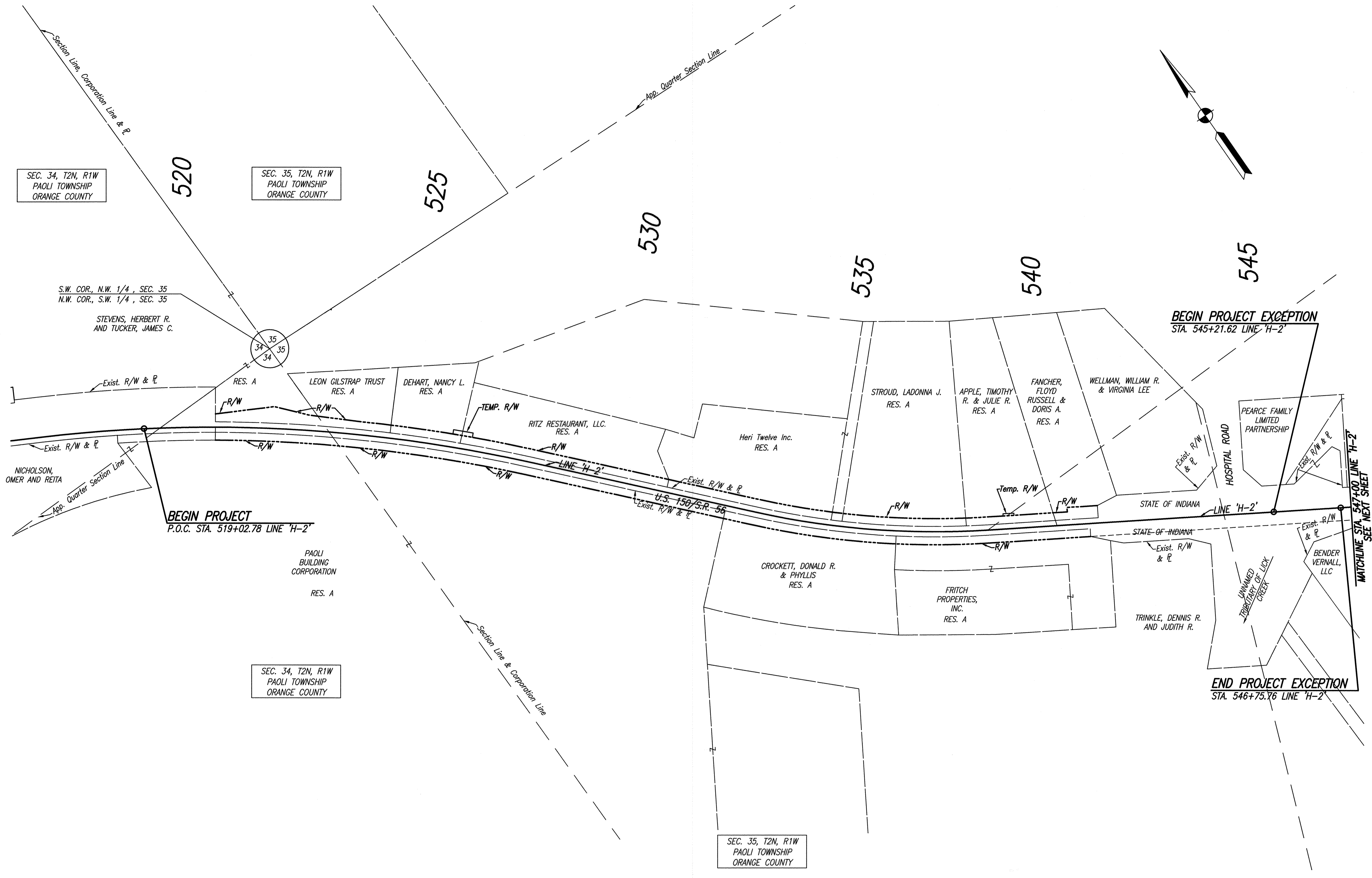
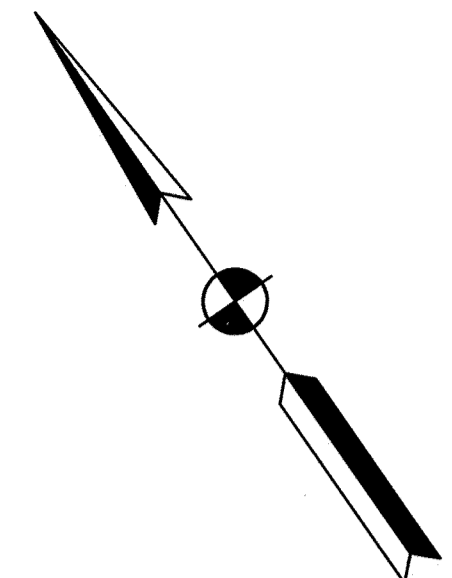


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CHECKED:	PDF	CHECKED:	BBL

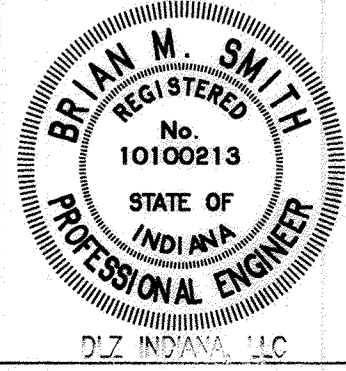
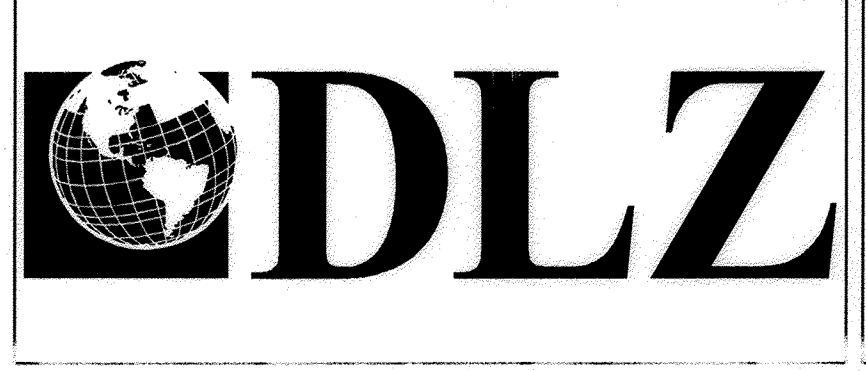
<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	
<b>TYPICAL SECTIONS</b>	

HORIZONTAL SCALE	1/4" = 1'-0"
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 158
CONTRACT	PROJECT
R-31710	0710(980)





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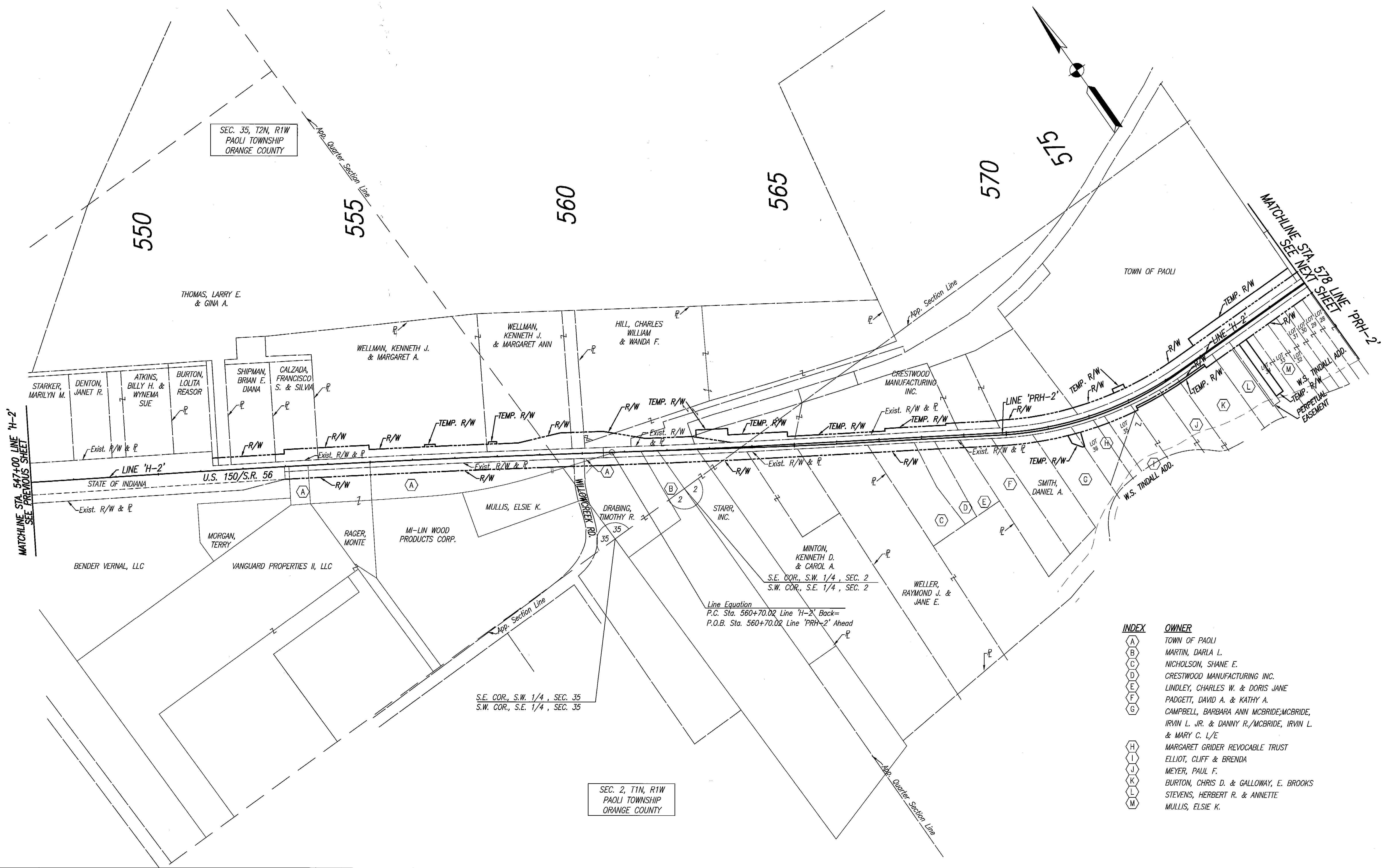
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DESIGNED:	BBL	DATE
DRAWN:	CJS	
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAT NO. 1**

HORIZONTAL SCALE	1" = 100'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 6 of 158
ELECTRONIC CONTRACT	PROJECT R-31710
	0710(980)

Date: Apr 15, 2015, 8:57am User: D:\estump\l File: M:\PROJ\0861\2730\2015\conf\dwg\Main\2015PR102.dwg Model: Tab: Plan Set



INDEX	OWNER
A	TOWN OF PAOLI
B	MARTIN, DARLA L.
C	NICHOLSON, SHANE E.
D	CRESTWOOD MANUFACTURING INC.
E	LINDLEY, CHARLES W. & DORIS JANE
F	PADGETT, DAVID A. & KATHY A.
G	CAMPBELL, BARBARA ANN MCBRIDE; MCBRIDE, IRVIN L. JR. & DANNY R.; MCBRIDE, IRVIN L. & MARY C. L/E
H	MARGARET GRIDER REVOCABLE TRUST
I	ELLIOT, CLIFF & BRENDA
J	MEYER, PAUL F.
K	BURTON, CHRIS D. & GALLOWAY, E. BROOKS
L	STEVENS, HERBERT R. & ANNETTE
M	MULLIS, ELSIE K.

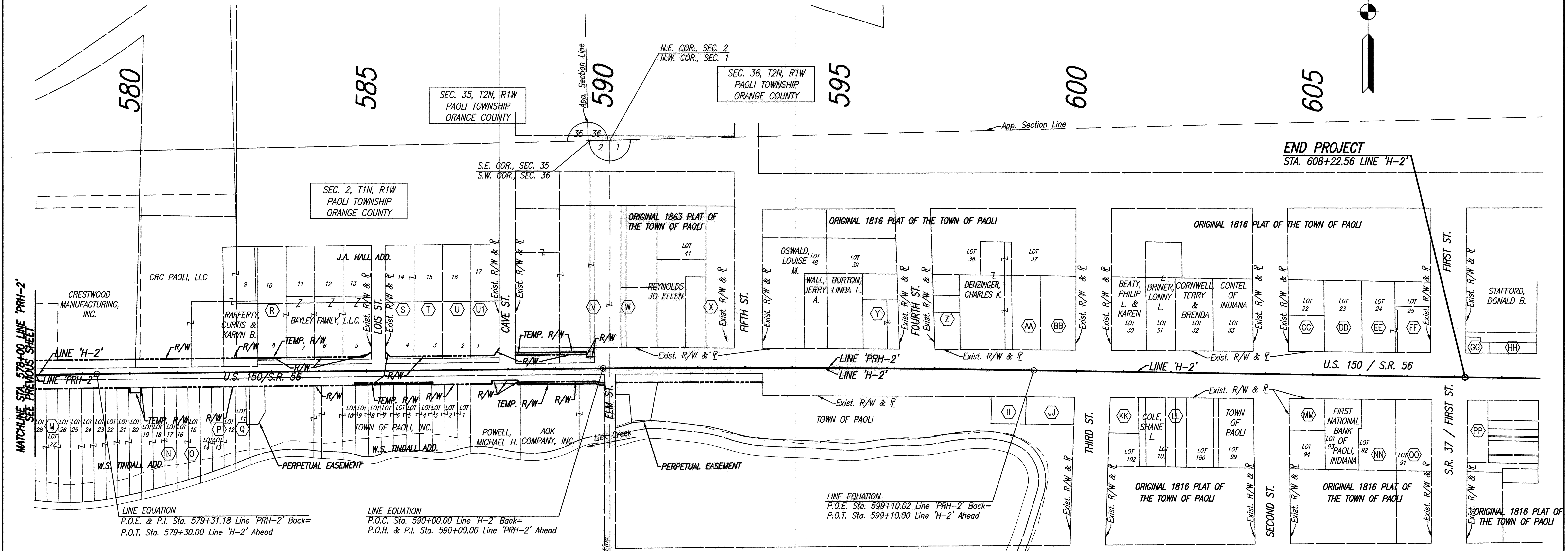
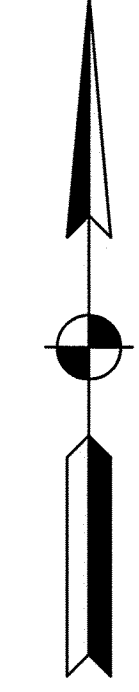


RECOMMENDED FOR APPROVAL	<i>Brian M. Smith</i>	4-14-15	
DESIGNED:	BBL	DRAWN:	CJS
CHECKED:	PDF	CHECKED:	BBL

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	1" = 100'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 158
CONTRACT	PROJECT
R-31710	0710(980)

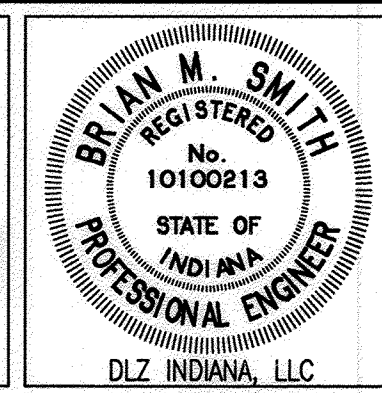
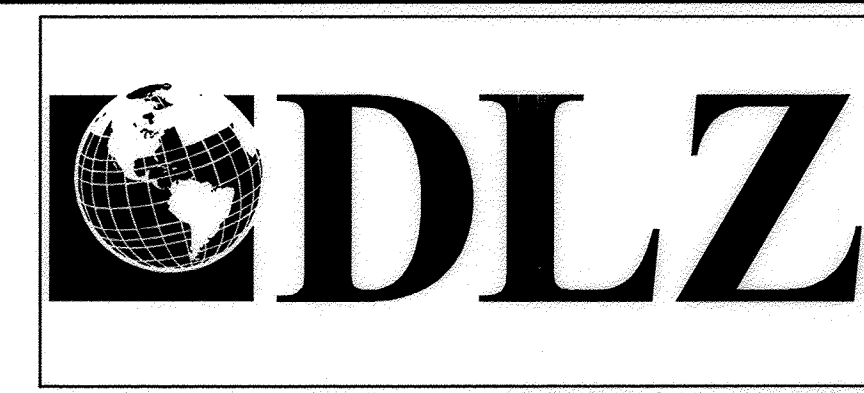


INDEX	OWNER
M	MULLIS, ELSIE K.
N	CHAPLIN, TIMOTHY J. & AMBER S. SMITH
O	CHAPLIN, TIMOTHY
P	KREITZER, MARK
Q	CHARLES L. PLURIS REV. TRUST
R	BROWN, DAVID M.
S	ROWLAND, DANNY
T	SUMMERS, JOSEPHUS
U	POWELL, MICHAEL H. & MARY LOU
V	POWELL, MICHAEL H.
W	CHASTAIN, BARRY & ANGELA WARREN, FRANKIE & LEAH
X	ENGLAND, GARY W. & DEBORAH A.
Y	ROBINSON, DAVID W. & MARY JO
Z	COLLINS, DONALD J. & BEVERLY J. RADCLIFFE, DUANE EDWARD & MARY ALICE

INDEX	OWNER
AA	JOHNSON, BRANDON D.
BB	ANDRY ENTERPRISES, LLC.
CC	CORNWELL, TERRY & BRENDA S.
DD	BARCROFT, RAYMOND & CONNIE
EE	MOORE, JOHN ROY II & YVONNE LYN & RICHARD WADE
FF	WAYNICK, ALAN D. & GILLIATT, BARBARA A.
GG	UMPLEBY, SUSAN E. & DAVID M.
HH	BOYER, LINDA & CHRISTOPHER
II	MARVIN HARKNESS & DALLAS HESS
JJ	DENZINGER, CHARLES K.
KK	DICK, JOSEPH A. & KATHY L.
LL	DAVIS, EVERETT & WILMA
MM	FIRST NATIONAL BANK OF PAOLI
NN	PIVOTAL PEOPLE OF SOUTHERN INDIANA, INC.
OO	ELMER & LYNN SULLIVAN, INC.
PP	HOOSIER UPLANDS PHOENIX, LLC.
QQ	PAOLI POST #8302, VETERANS FOREIGN WARS, INC.
RR	HAWORTH, JAMES W. & REBECCA S.; MINTON, CONRAD & WANDA C.

SEC. 1, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

Date: Mar 13, 2015, 10:47am User ID: dhsouer  
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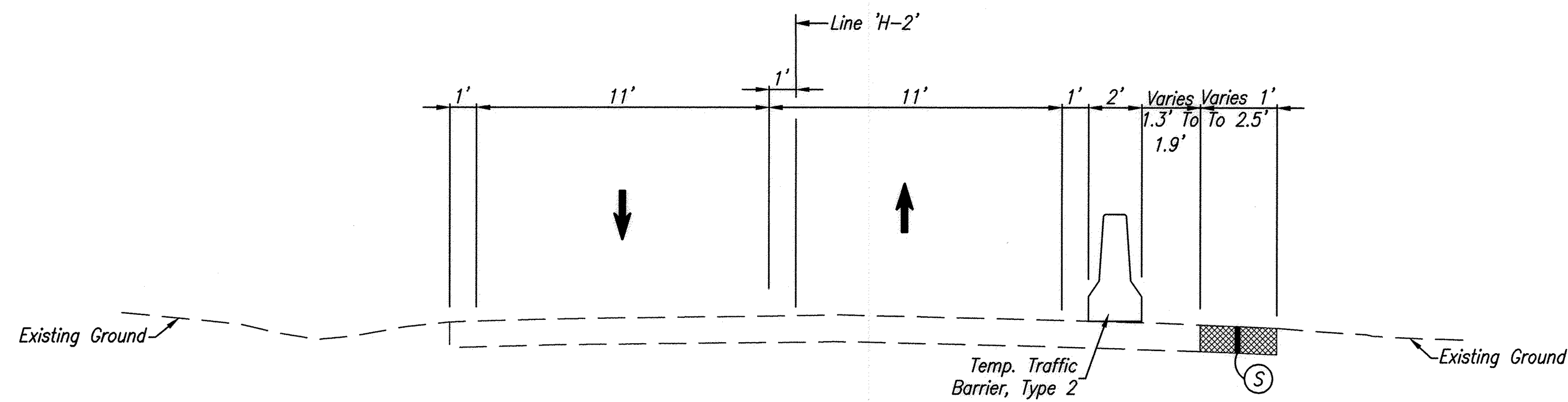


RECOMMENDED FOR APPROVAL	<i>B.M.S.</i>	3-12-15	
DESIGNED:	BBL	DRAWN:	CJS
CHECKED:	PDF	CHECKED:	BBL

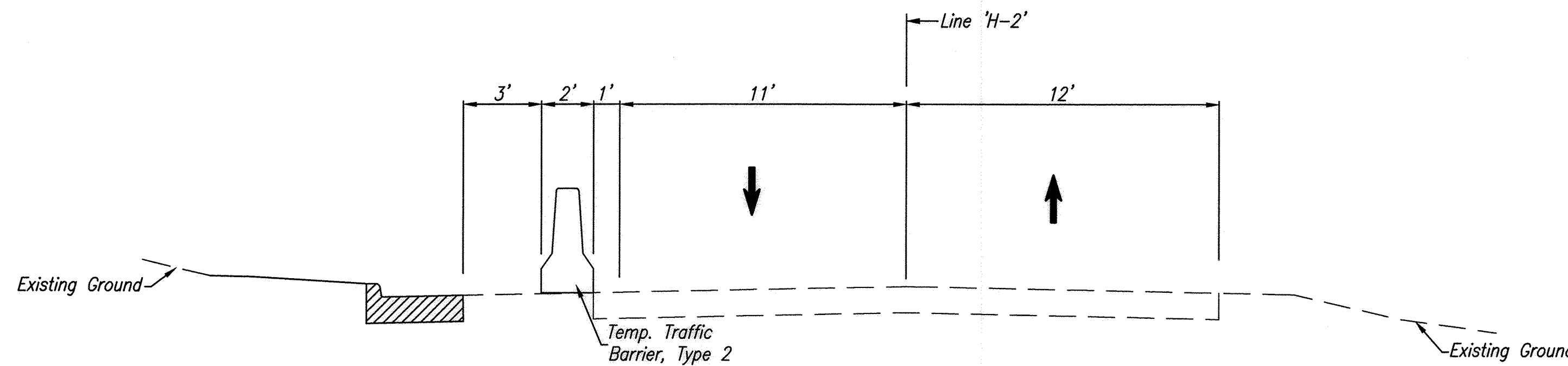
INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
PLAT NO. 1

HORIZONTAL SCALE	1" = 100'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 8 of 158
ELECTRONIC CONTRACT	PROJECT 0710(980)

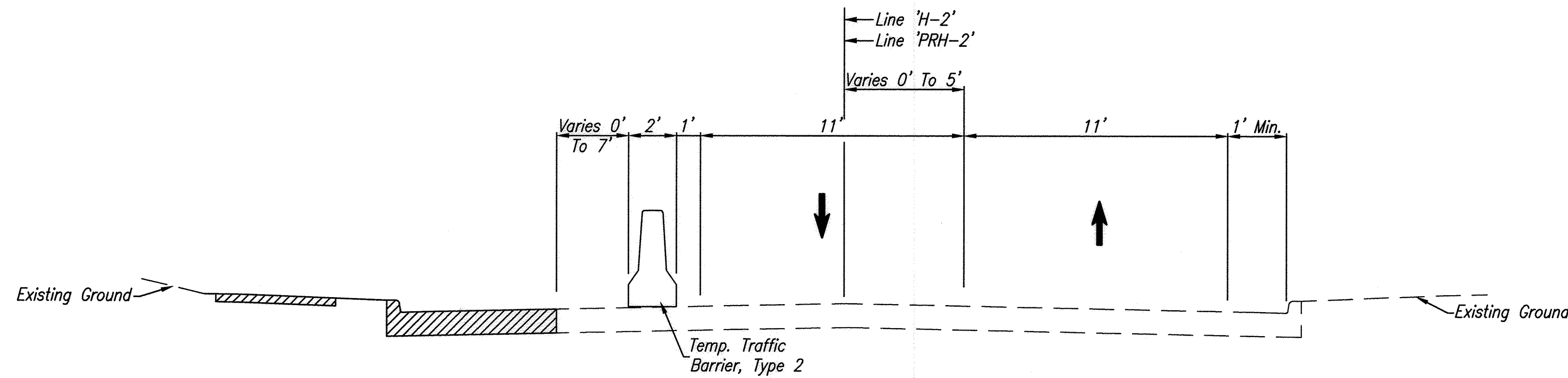




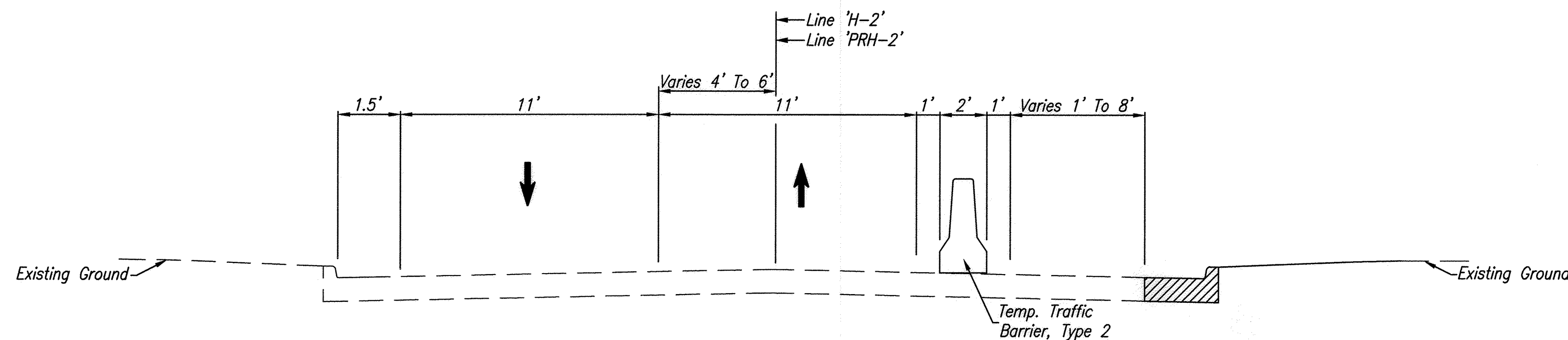
**PHASE I - MAINTAIN TWO LANES OF TRAFFIC - TEMPORARY WIDENING**  
Sta. 556+50.00 Line 'H-2' To Sta. 565+80.00 Line 'H-2'



**PHASE II - MAINTAIN TWO LANES OF TRAFFIC**  
Sta. 521+75.00 Line 'H-2' To Sta. 529+70.00 Line 'H-2'



**PHASE II - MAINTAIN TWO LANES OF TRAFFIC**  
Sta. 556+85.00 Line 'H-2' To Sta. 590+00.00 Line 'H-2'  
Sta. 590+00.00 Line 'PRH-2' To Sta. 599+10.02 Line 'PRH-2'  
Sta. 599+10.00 Line 'H-2' To Sta. 608+22.56 Line 'H-2'

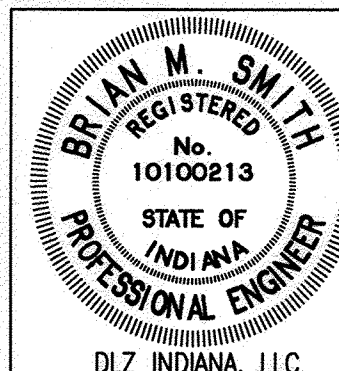


**PHASE III - MAINTAIN TWO LANES OF TRAFFIC**  
Sta. 558+00.00 Line 'H-2' To Sta. 560+70.02 Line 'H-2'  
Sta. 560+70.02 Line 'PRH-2' To Sta. 579+31.18 Line 'PRH-2'  
Sta. 579+30.00 Line 'H-2' To Sta. 590+00.00 Line 'H-2'  
Sta. 590+00.00 Line 'PRH-2' To Sta. 599+10.02 Line 'PRH-2'  
Sta. 599+10.00 Line 'H-2' To Sta. 608+22.56 Line 'H-2'

**LEGEND**

- (S) HMA For Temp. Pavement, Type C, Consisting Of:  
(165#/SYS HMA Surface, Type C, On  
385#/SYS HMA Intermediate, Type C), On  
7" Compacted Aggregate, No. 53, Base, On  
Sugrade Treatment, Type II
- ➔ Direction Of Traffic
- ▨ Area Under Construction

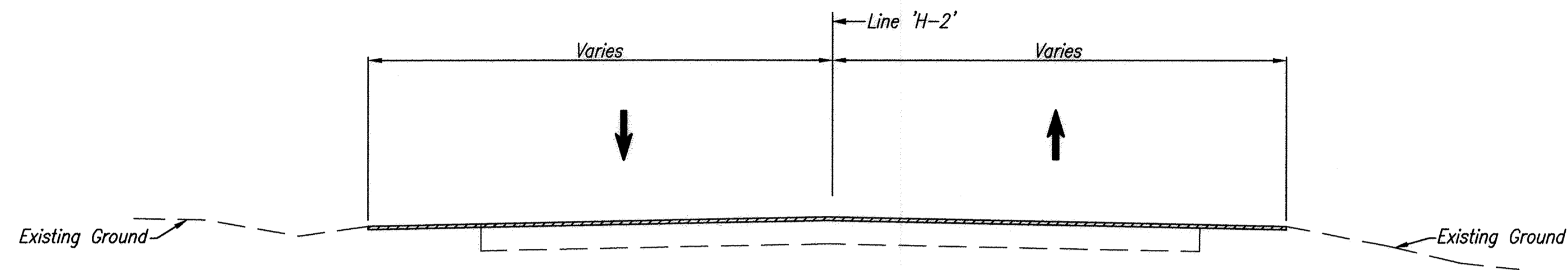
Date: Mar 13, 2015, 10:47am User ID: dhoover  
File: M:\PROJ\0861\2730\2015\civil\dwg\DOT\2015MT01.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>Rmk</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**

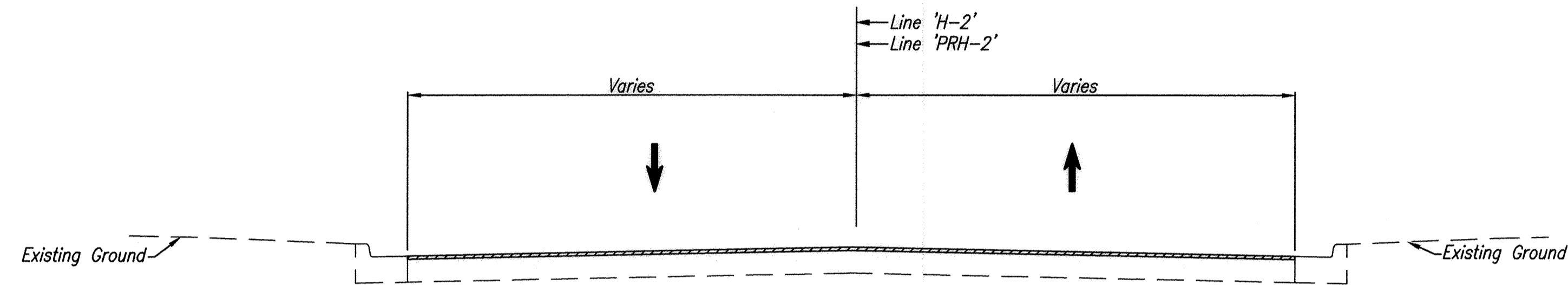
HORIZONTAL SCALE	1/4" = 1'-0"
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 158
CONTRACT	PROJECT
R-31710	0710(980)



**PHASE IV - MAINTAIN TWO LANES OF TRAFFIC**

Sta. 519+02.78 Line 'H-2' To Sta. 545+21.62 Line 'H-2'  
 Sta. 545+75.76 Line 'H-2' To Sta. 558+06.80 Line 'H-2'

Milling/Scarifying And Resurfacing Shall Be Completed With Flagging Operations And During Daytime Work Hours.



**PHASE IV - MAINTAIN TWO LANES OF TRAFFIC**

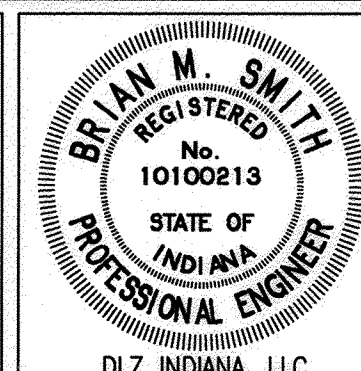
Sta. 558+06.80 Line 'H-2' To Sta. 560+70.02 Line 'H-2'  
 Sta. 560+70.02 Line 'PRH-2' To Sta. 579+31.18 Line 'PRH-2'  
 Sta. 579+30.00 Line 'H-2' To Sta. 590+00.00 Line 'H-2'  
 Sta. 590+00.00 Line 'PRH-2' To Sta. 599+10.02 Line 'PRH-2'  
 Sta. 599+10.00 Line 'H-2' To Sta. 608+22.56 Line 'H-2'

Milling/Scarifying And Resurfacing Shall Be Completed With Flagging Operations And During Daytime Work Hours.

**LEGEND**

- Direction Of Traffic
- Area Under Construction

Date: Mar 13, 2015, 10:47am User ID: dhscover  
 File: M:\PROJECTS\086112730\2015\civil\dwg\DOT\2015MT02.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>Bnb</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**

HORIZONTAL SCALE	1/4" = 1'-0"
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 158
CONTRACT	PROJECT
R-31710	0710(980)

515+00

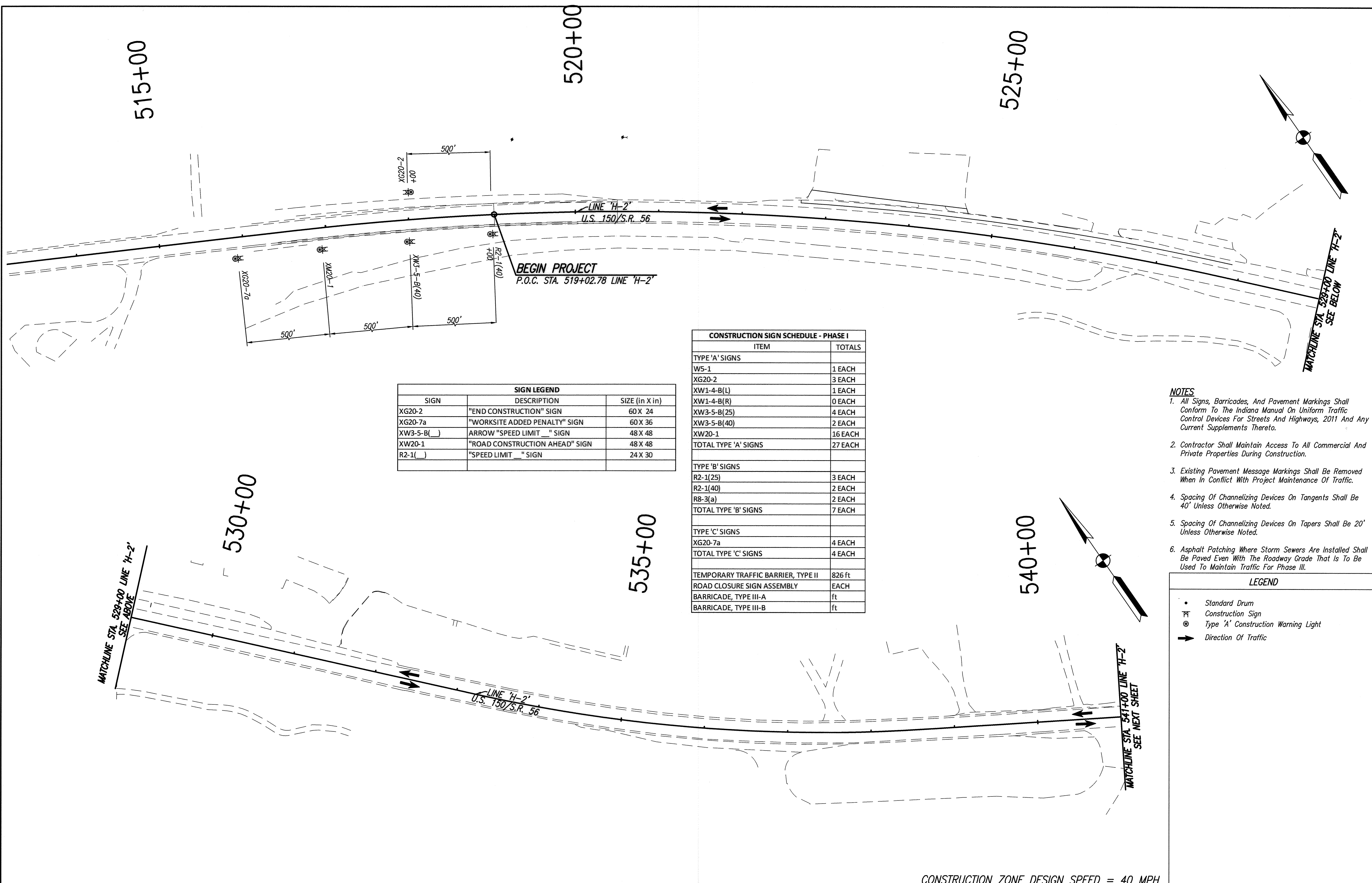
520+00

525+00

530+00

535+00

540+00



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW3-5-B( )	ARROW "SPEED LIMIT _" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT _" SIGN	24 X 30

CONSTRUCTION SIGN SCHEDULE - PHASE I	
ITEM	TOTALS
TYPE 'A' SIGNS	
W5-1	1 EACH
XG20-2	3 EACH
XW1-4-B(L)	1 EACH
XW1-4-B(R)	0 EACH
XW3-5-B(25)	4 EACH
XW3-5-B(40)	2 EACH
XW20-1	16 EACH
TOTAL TYPE 'A' SIGNS	27 EACH
TYPE 'B' SIGNS	
R2-1(25)	3 EACH
R2-1(40)	2 EACH
R8-3(a)	2 EACH
TOTAL TYPE 'B' SIGNS	7 EACH
TYPE 'C' SIGNS	
XG20-7a	4 EACH
TOTAL TYPE 'C' SIGNS	4 EACH
TEMPORARY TRAFFIC BARRIER, TYPE II	826 ft
ROAD CLOSURE SIGN ASSEMBLY	EACH
BARRICADE, TYPE III-A	ft
BARRICADE, TYPE III-B	ft

NOTES

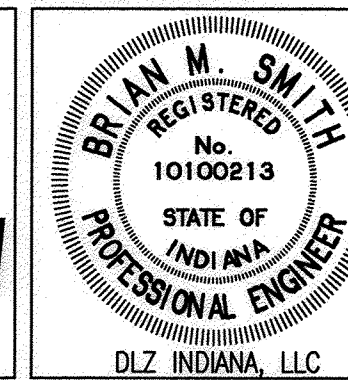
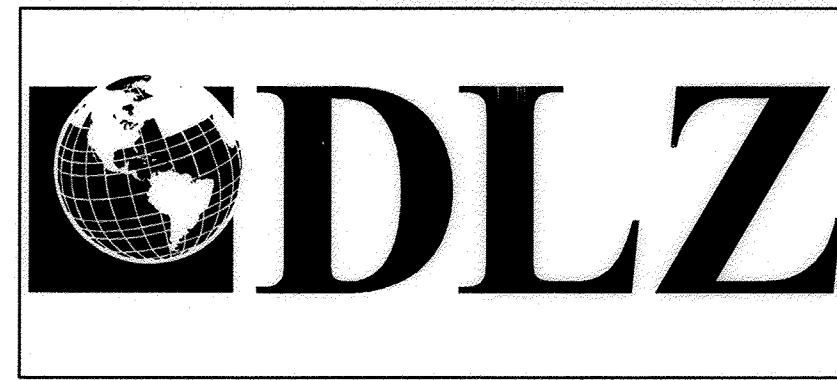
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
- Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
- Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
- Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

LEGEND

- Standard Drum
- ⊕ Construction Sign
- ⊙ Type 'A' Construction Warning Light
- ➔ Direction Of Traffic

CONSTRUCTION ZONE DESIGN SPEED = 40 MPH

Date: May 13, 2015, 10:47:21 AM User ID: dphome File: I:\PROJECTS\0681\2730\2015\DWG\CONSTR\2015MTR10.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>BML</i>	3-12-15
	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

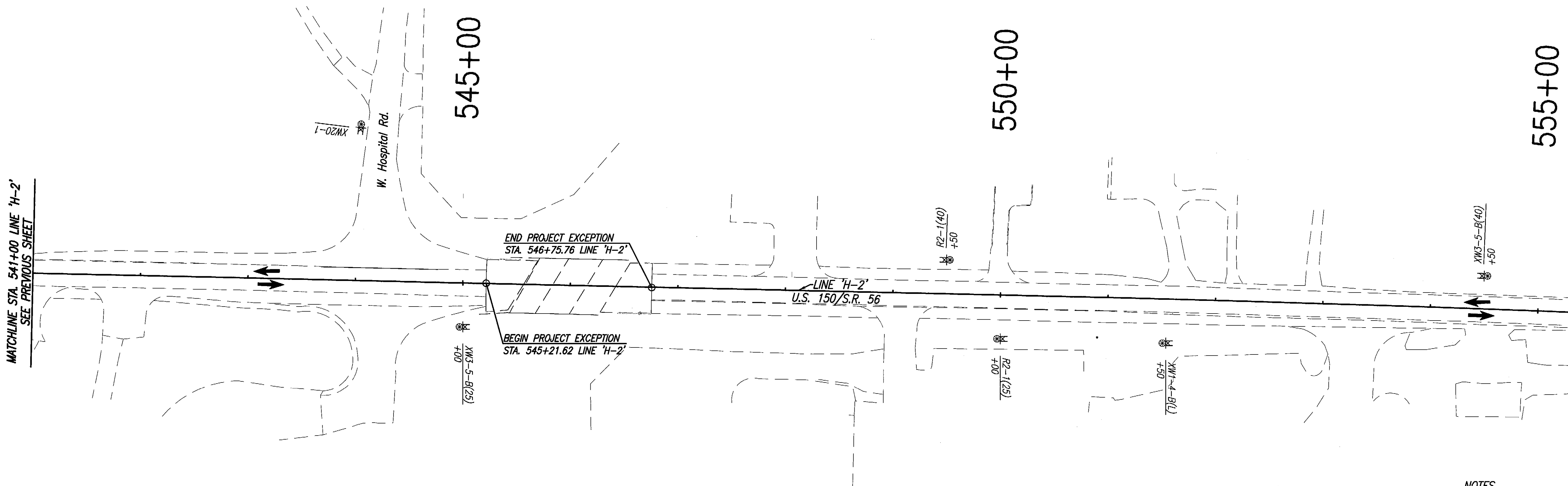
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE I

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 11 of 158
ELECTRONIC	PROJECT R-31710
CONTRACT	0710(980)

MATCHLINE STA. 541+00 LINE 'H-2'  
SEE PREVIOUS SHEET

MATCHLINE STA. 556+00 LINE 'H-2'  
SEE BELOW



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XW1-4-B( )	"REVERSE CURVE SYMBOL" SIGN	48 X 48
XW3-5-B( )	ARROW "SPEED LIMIT _" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT _" SIGN	24 X 30

**NOTES**

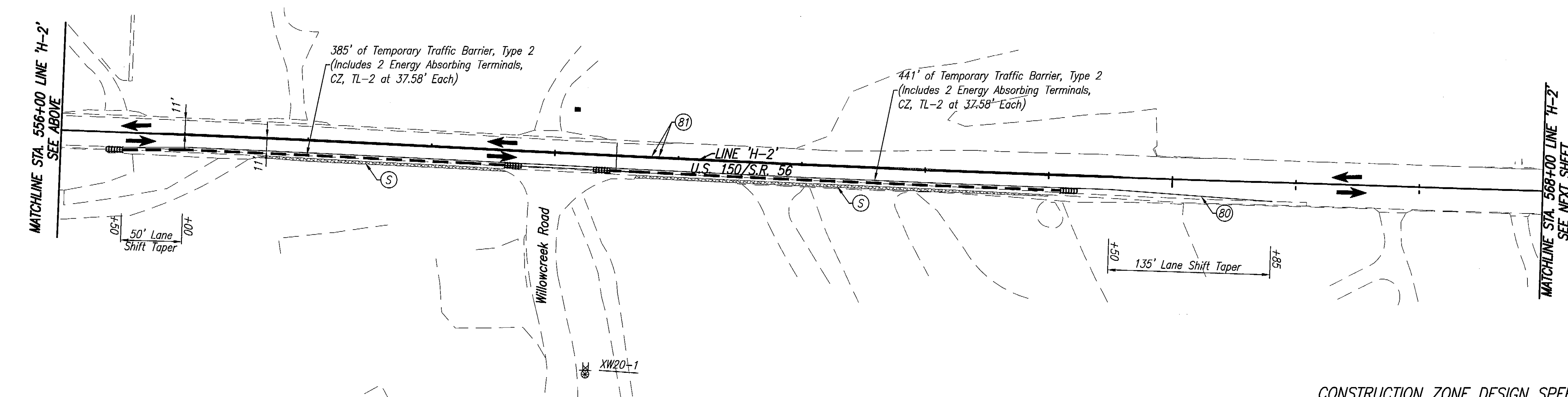
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
- Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
- Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
- Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

**LEGEND**

- (80) Temporary Pavement Marking, Removable, Solid, White, 4"
- (8) Temporary Pavement Marking, Removable, Solid, Yellow, 4"
- (S) HMA For Temp. Pavement, Type C, Consisting Of:  
(165#/SYS HMA Surface, Type C, On  
385#/SYS HMA Intermediate, Type C), On  
7" Compacted Aggregate, No. 53, Base, On  
Subgrade Treatment, Type II
- Standard Drum
- ⊠ Construction Sign
- ⊗ Type 'A' Construction Warning Light
- Temporary Traffic Barrier, Type 2
- ▤ Energy Absorbing Terminal, CZ, TL-2
- ➔ Direction Of Traffic

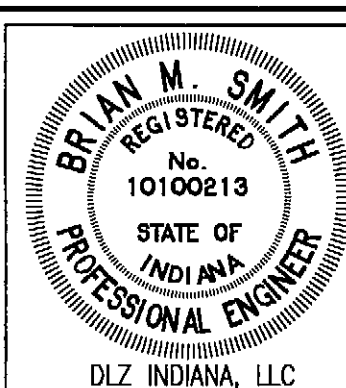
MATCHLINE STA. 556+00 LINE 'H-2'  
SEE ABOVE

MATCHLINE STA. 568+00 LINE 'H-2'  
SEE NEXT SHEET



CONSTRUCTION ZONE DESIGN SPEED = 40 MPH  
CONSTRUCTION ZONE DESIGN SPEED = 25 MPH (EAST OF WILLOW CREEK RD.)

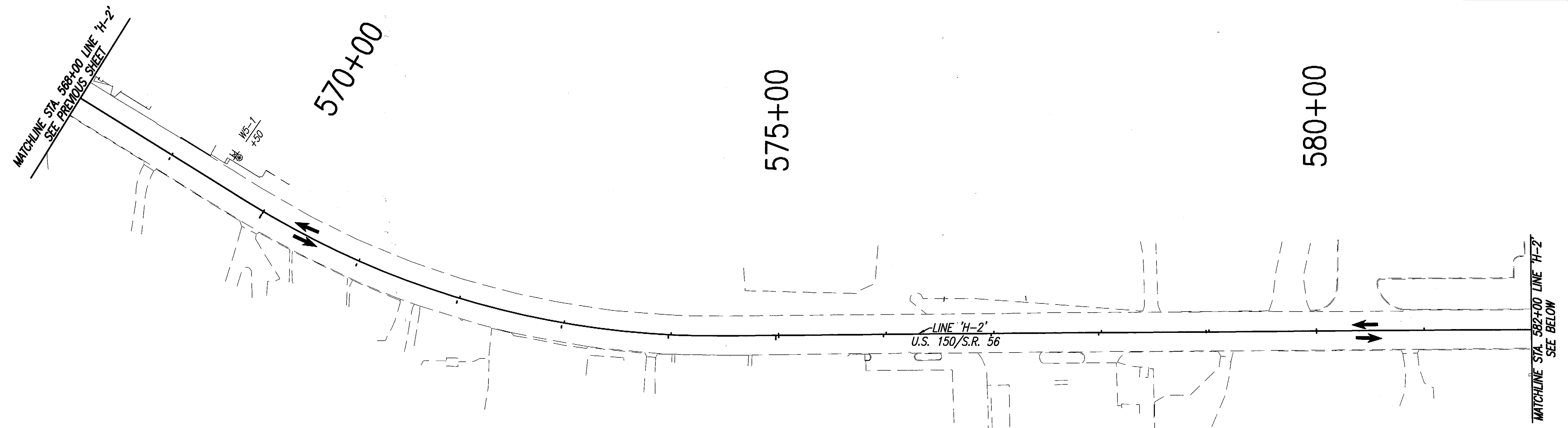
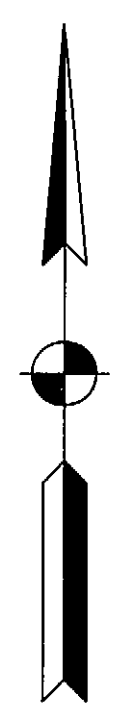
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RECOMMENDED FOR APPROVAL	<i>Bende</i>	4-14-15	
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC PHASE I**

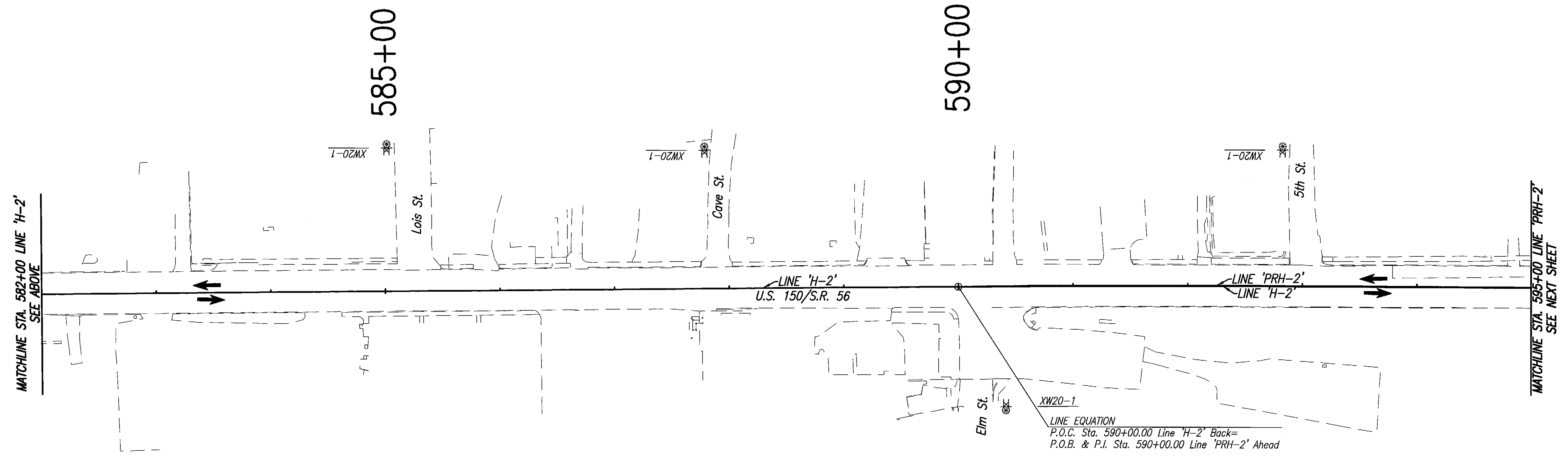
HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	12 OF 158
CONTRACT	PROJECT
R-31710	0710(980)



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
WS-1	"ROAD NARROWS" SIGN	36 X 36
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48

- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
  - Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

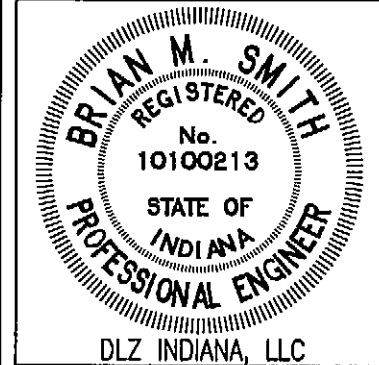
LEGEND	
•	Standard Drum
⊠	Construction Sign
⊙	Type 'A' Construction Warning Light
→	Direction Of Traffic



LINE EQUATION  
 P.O.C. Sta. 590+00.00 Line "H-2" Back=  
 P.O.B. & P.I. Sta. 590+00.00 Line "PRH-2" Ahead

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH

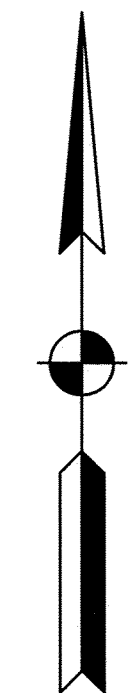
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RECOMMENDED FOR APPROVAL	<i>RmJ</i>	4-14-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

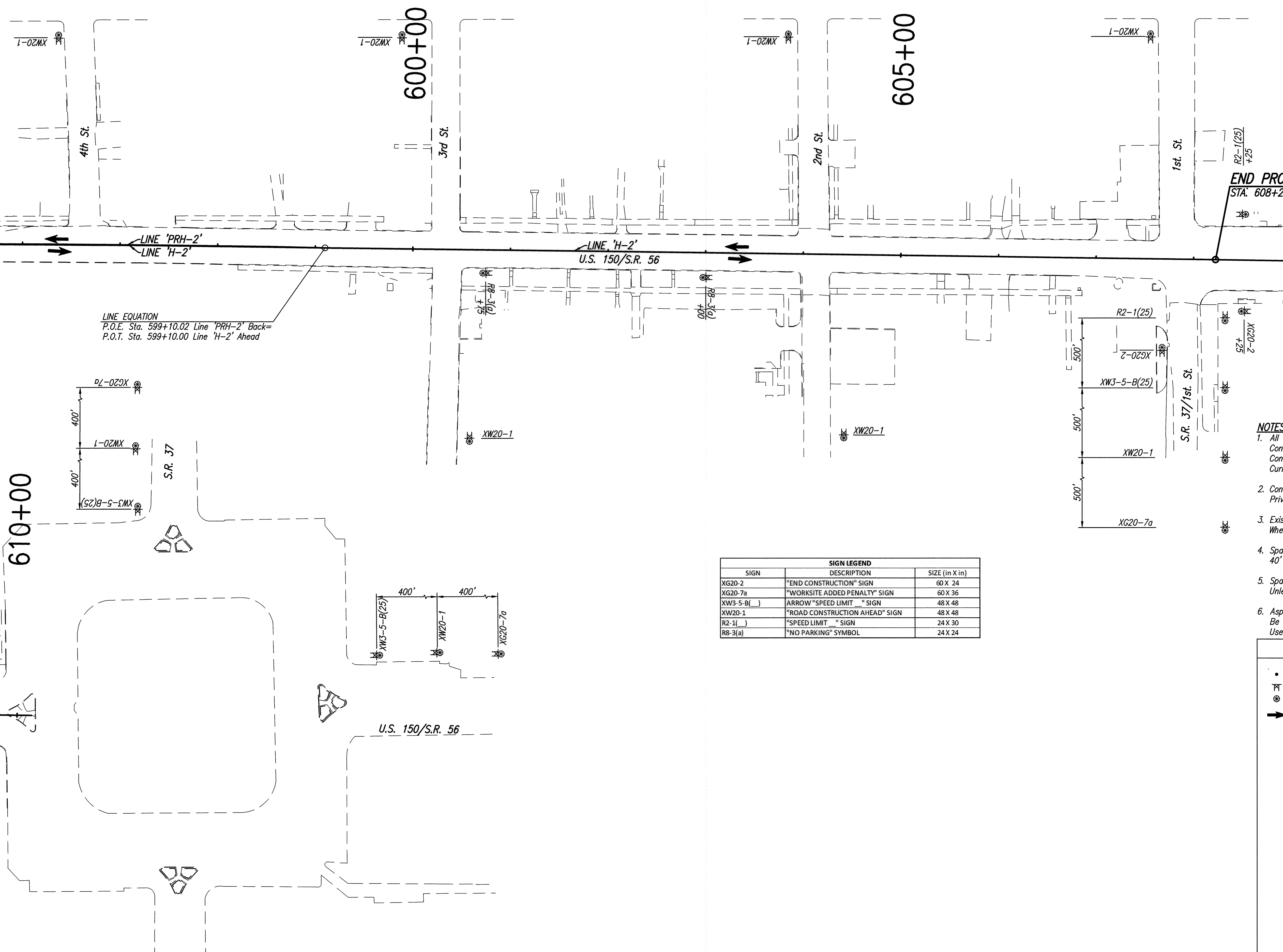
INDIANA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC PHASE I

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 158
CONTRACT	PROJECT
R-31710	0710(980)



MATCHLINE STA. 595+00 LINE 'PRH-2'  
SEE PREVIOUS SHEET

MATCHLINE STA. 609+00 LINE 'PRH-2'  
SEE ABOVE



END PROJECT  
STA. 608+22.56 LINE 'H-2'

LINE EQUATION  
P.O.E. Sta. 599+10.02 Line 'PRH-2' Back=  
P.O.T. Sta. 599+10.00 Line 'H-2' Ahead

**NOTES**

- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
- Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
- Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
- Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30
RB-3(a)	"NO PARKING" SYMBOL	24 X 24

**LEGEND**

- Standard Drum
- ⊠ Construction Sign
- ⊗ Type 'A' Construction Warning Light
- ➔ Direction Of Traffic

Date: Mar 13, 2015, 10:46am User ID: dhoover  
File: M:\Projects\0861\2750\15\Civil\Eng\W01\2015MKT13.dwg Model Tab: Plan Set

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH



RECOMMENDED FOR APPROVAL	<i>BMR</i>	DATE	3-12-15
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
MAINTENANCE OF TRAFFIC  
PHASE I

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 158
CONTRACT	PROJECT
R-31710	0710(980)

515+00

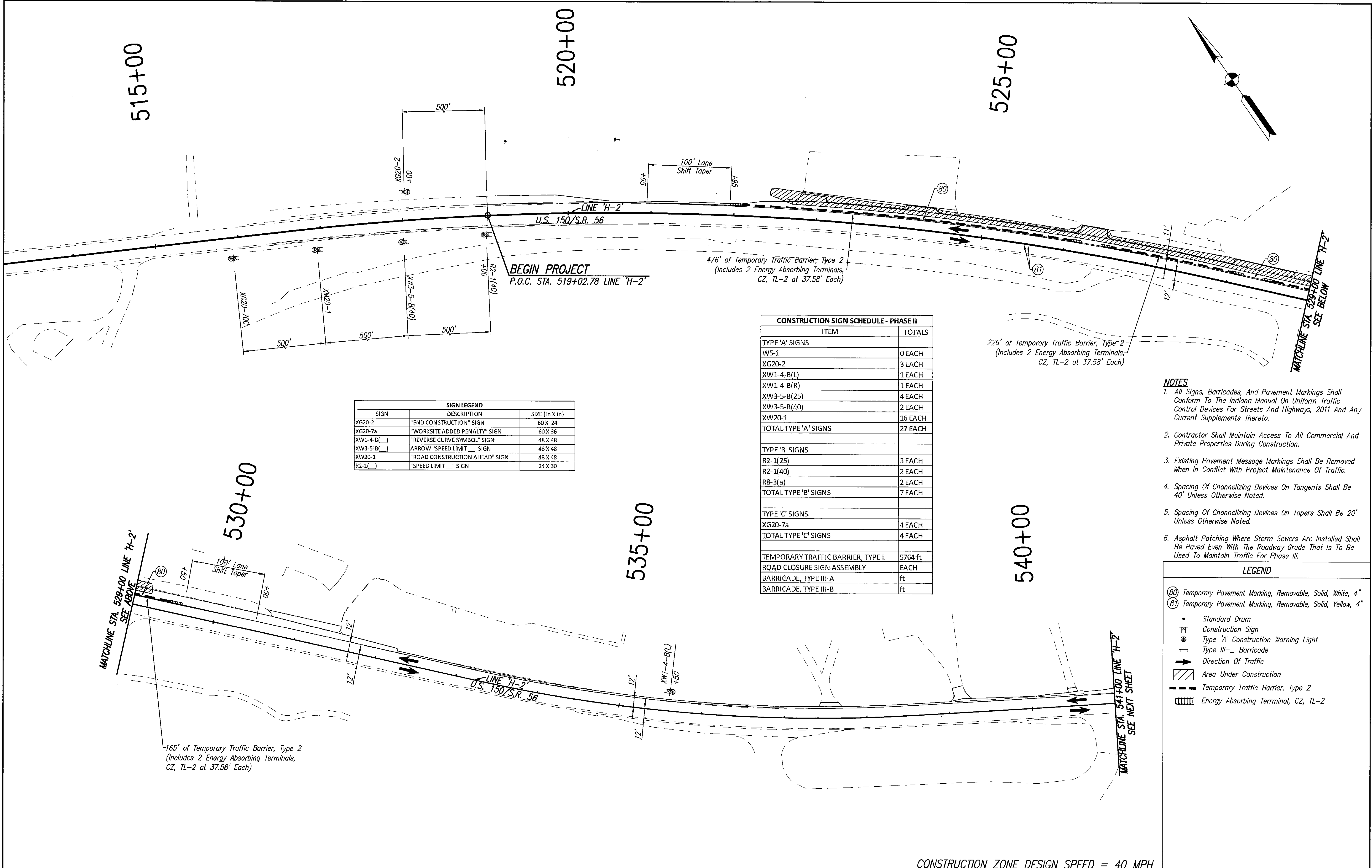
520+00

525+00

530+00

535+00

540+00



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW1-4-B(L)	"REVERSE CURVE SYMBOL" SIGN	48 X 48
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

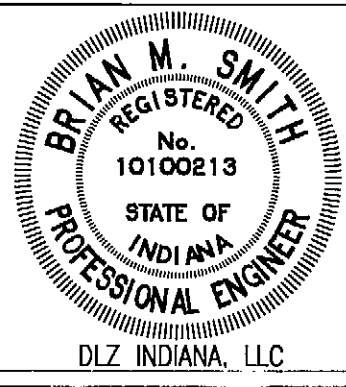
CONSTRUCTION SIGN SCHEDULE - PHASE II	
ITEM	TOTALS
<b>TYPE 'A' SIGNS</b>	
W5-1	0 EACH
XG20-2	3 EACH
XW1-4-B(L)	1 EACH
XW1-4-B(R)	1 EACH
XW3-5-B(25)	4 EACH
XW3-5-B(40)	2 EACH
XW20-1	16 EACH
<b>TOTAL TYPE 'A' SIGNS</b>	<b>27 EACH</b>
<b>TYPE 'B' SIGNS</b>	
R2-1(25)	3 EACH
R2-1(40)	2 EACH
R8-3(a)	2 EACH
<b>TOTAL TYPE 'B' SIGNS</b>	<b>7 EACH</b>
<b>TYPE 'C' SIGNS</b>	
XG20-7a	4 EACH
<b>TOTAL TYPE 'C' SIGNS</b>	<b>4 EACH</b>
<b>TEMPORARY TRAFFIC BARRIER, TYPE II</b>	
	5764 ft
<b>ROAD CLOSURE SIGN ASSEMBLY</b>	
	EACH
<b>BARRICADE, TYPE III-A</b>	
	ft
<b>BARRICADE, TYPE III-B</b>	
	ft

- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
  - Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

LEGEND	
(80)	Temporary Pavement Marking, Removable, Solid, White, 4"
(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4"
•	Standard Drum
⊠	Construction Sign
⊙	Type 'A' Construction Warning Light
⊥	Type III- Barricade
→	Direction Of Traffic
▨	Area Under Construction
—	Temporary Traffic Barrier, Type 2
▨	Energy Absorbing Terminal, CZ, TL-2

CONSTRUCTION ZONE DESIGN SPEED = 40 MPH

Drawn: ACP 11/20/15 1:05PM User: DLZ Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>R n R</i>	4-14-15
	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN:
		DPH
CHECKED:	PDF	CHECKED:
		BBL

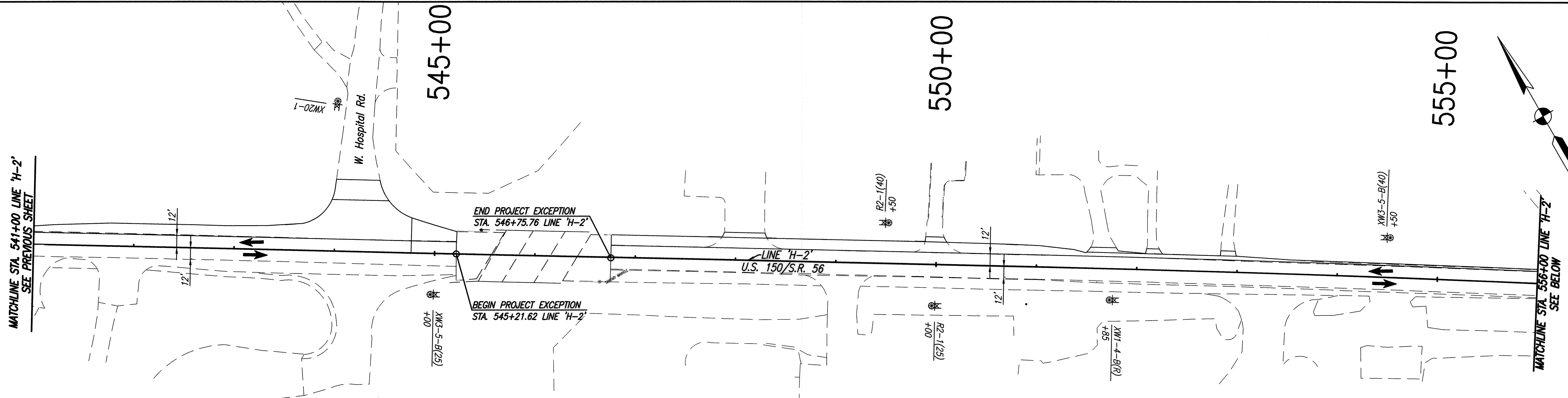
INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE II

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 158
CONTRACT	PROJECT
R-31710	0710(980)

MATCHLINE STA. 541+00 LINE 'H-2'  
SEE PREVIOUS SHEET

MATCHLINE STA. 556+00 LINE 'H-2'  
SEE BELOW



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XW1-4-B( )	"REVERSE CURVE SYMBOL" SIGN	48 X 48
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

**NOTES**

- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereeto.
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- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

**LEGEND**

- (80) Temporary Pavement Marking, Removable, Solid, White, 4"
- (81) Temporary Pavement Marking, Removable, Solid, Yellow, 4"
- Standard Drum
- ⊠ Construction Sign
- ⊙ Type 'A' Construction Warning Light
- ⊠ Type III-- Barricade
- Direction Of Traffic
- ▨ Area Under Construction
- ▬▬▬▬ Temporary Traffic Barrier, Type 2
- ▨ Energy Absorbing Terminal, CZ, TL-2

146' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals,  
CZ, TL-2 at 37.58' Each)

246' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals,  
CZ, TL-2 at 37.58' Each)

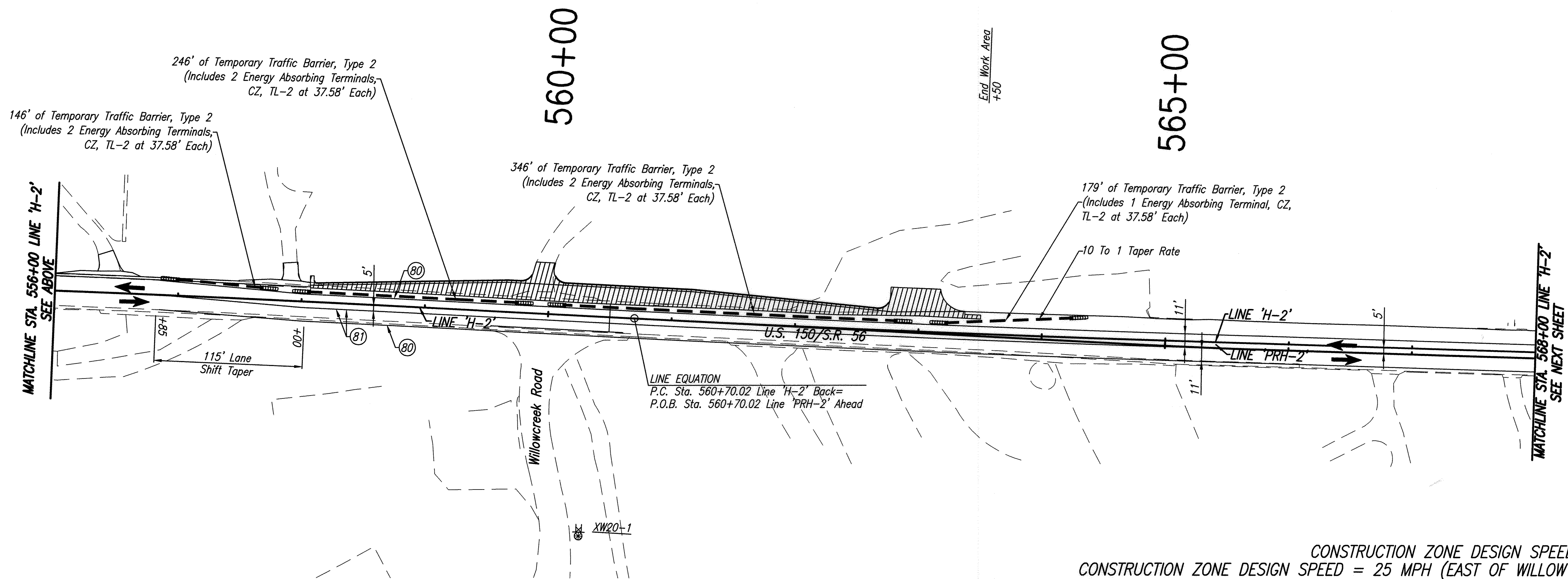
346' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals,  
CZ, TL-2 at 37.58' Each)

179' of Temporary Traffic Barrier, Type 2  
(Includes 1 Energy Absorbing Terminal, CZ,  
TL-2 at 37.58' Each)

10 To 1 Taper Rate

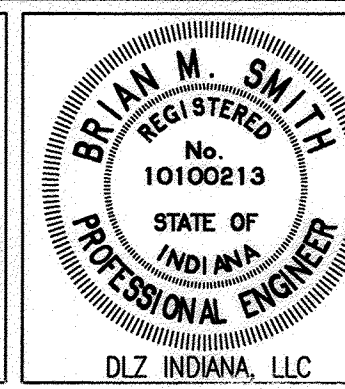
MATCHLINE STA. 556+00 LINE 'H-2'  
SEE ABOVE

MATCHLINE STA. 568+00 LINE 'H-2'  
SEE NEXT SHEET



CONSTRUCTION ZONE DESIGN SPEED = 40 MPH  
CONSTRUCTION ZONE DESIGN SPEED = 25 MPH (EAST OF WILLOW CREEK RD.)

Date: May 13, 2015, 10:49:51 User: ID: dfrank  
 File: I:\PROJECTS\0861\2730\2015\0861\W07\2015M07.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL *B.M.S.* 3-12-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

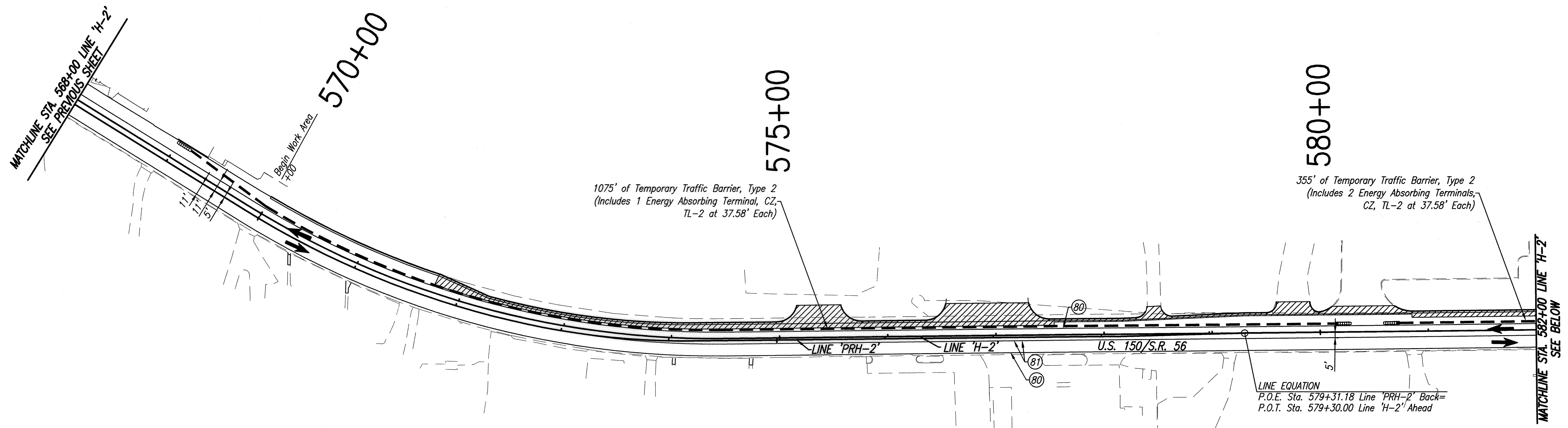
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE II

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 158
CONTRACT	PROJECT
R-31710	0710(980)



Date: Apr 28, 2015, 7:23am User: ID: vmsstfview File: M:\PROJ\0861\2\150\2015\CH\DWG\INDOT\2015MTR22.dwg Model: Tab: Plan: Set:



1075' of Temporary Traffic Barrier, Type 2  
(Includes 1 Energy Absorbing Terminal, CZ, TL-2 at 37.58' Each)

355' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals, CZ, TL-2 at 37.58' Each)

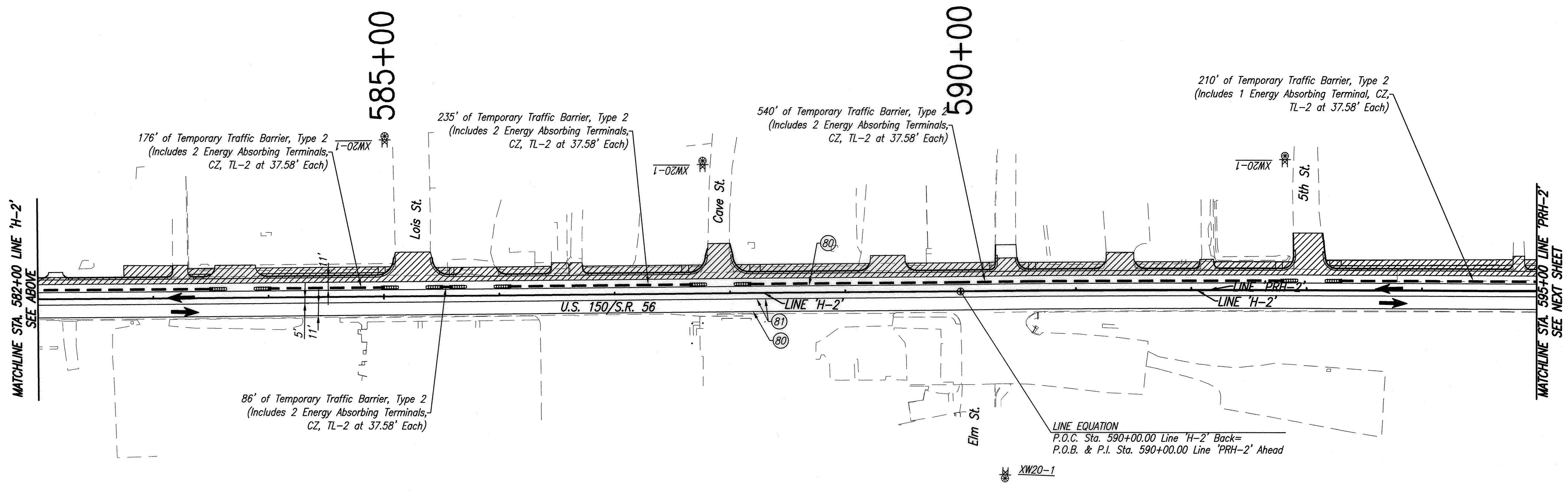
SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48

**CONSTRUCTION NOTES**

As Necessary During Construction Of Storm Sewer Laterals, Contractor, May Choose To Close One Lane For Construction Staging And Equipment Staging While Maintaining One Lane Of Traffic Utilizing Flagging Operations. During Non-Working Hours, Two Lanes Of Traffic Shall Be Maintained As Shown And Work Area Must Be Backfilled And Securely Plated Prior To Opening Second Lane To Traffic.

**NOTES**

- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
- Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
- Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
- Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.



176' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals, CZ, TL-2 at 37.58' Each)

235' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals, CZ, TL-2 at 37.58' Each)

540' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals, CZ, TL-2 at 37.58' Each)

210' of Temporary Traffic Barrier, Type 2  
(Includes 1 Energy Absorbing Terminal, CZ, TL-2 at 37.58' Each)

86' of Temporary Traffic Barrier, Type 2  
(Includes 2 Energy Absorbing Terminals, CZ, TL-2 at 37.58' Each)

LINE EQUATION  
P.O.C. Sta. 590+00.00 Line 'H-2' Back=  
P.O.B. & P.I. Sta. 590+00.00 Line 'PRH-2' Ahead

LEGEND	
(80)	Temporary Pavement Marking, Removable, Solid, White, 4"
(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4"
•	Standard Drum
⊠	Construction Sign
⊙	Type 'A' Construction Warning Light
⊢	Type III- Barricade
→	Direction Of Traffic
▨	Area Under Construction
—	Temporary Traffic Barrier, Type 2
▨	Energy Absorbing Terminal, CZ, TL-2

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH

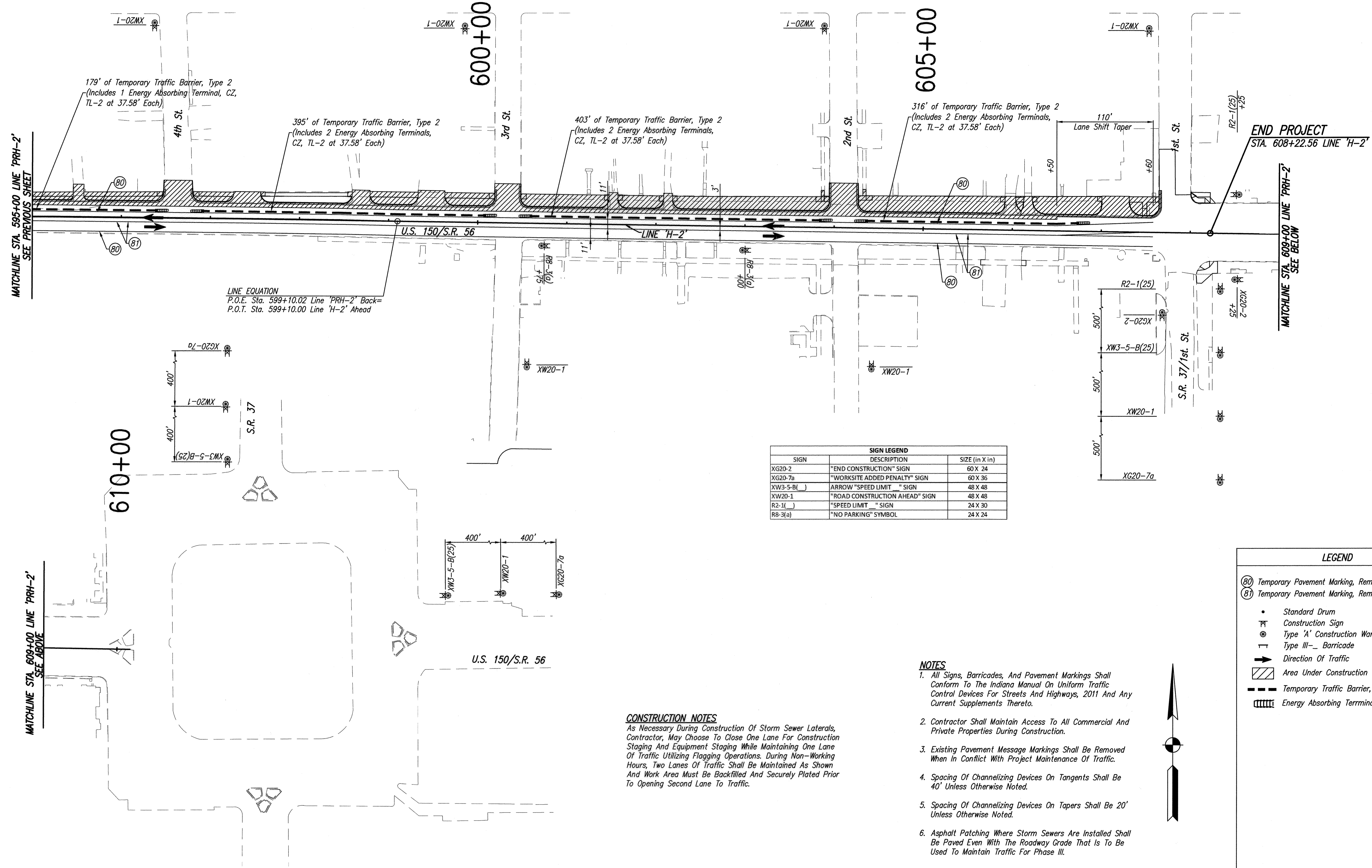


RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	DATE	4-28-15
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC PHASE II

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr 28, 2015, 7:23am User: D:\moody\view File: M:\PROJECTS\0861\2750\2015\CONV\DWG\MOT\2015MTR23.dwg Model Tab: Plan Set



LINE EQUATION  
P.O.E. Sta. 599+10.02 Line 'PRH-2' Back=  
P.O.T. Sta. 599+10.00 Line 'H-2' Ahead

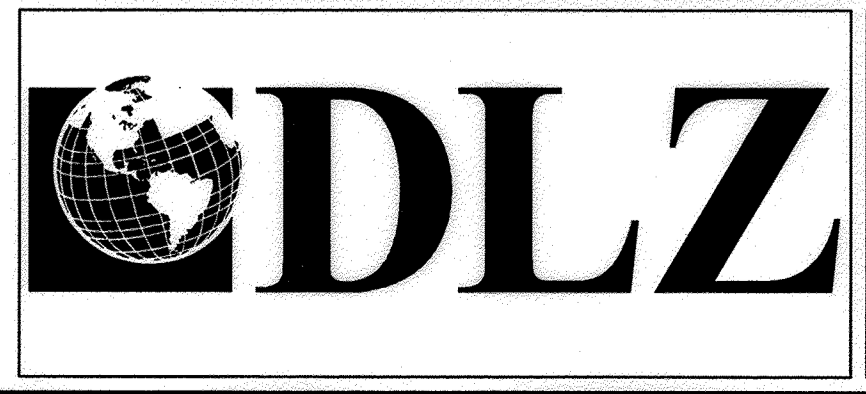
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30
R8-3(a)	"NO PARKING" SYMBOL	24 X 24

- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
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  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

**CONSTRUCTION NOTES**  
As Necessary During Construction Of Storm Sewer Laterals, Contractor, May Choose To Close One Lane For Construction Staging And Equipment Staging While Maintaining One Lane Of Traffic Utilizing Flagging Operations. During Non-Working Hours, Two Lanes Of Traffic Shall Be Maintained As Shown And Work Area Must Be Backfilled And Securely Plated Prior To Opening Second Lane To Traffic.

- LEGEND**
- (80) Temporary Pavement Marking, Removable, Solid, White, 4"
  - (81) Temporary Pavement Marking, Removable, Solid, Yellow, 4"
  - Standard Drum
  - Construction Sign
  - Type 'A' Construction Warning Light
  - Type III- Barricade
  - Direction Of Traffic
  - Area Under Construction
  - Temporary Traffic Barrier, Type 2
  - Energy Absorbing Terminal, CZ, TL-2

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH



RECOMMENDED FOR APPROVAL	<i>Kend</i> 4-28-15	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA  
DEPARTMENT OF TRANSPORTATION  
MAINTENANCE OF TRAFFIC  
PHASE II

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 158
CONTRACT	PROJECT
R-31710	0710(980)

515+00

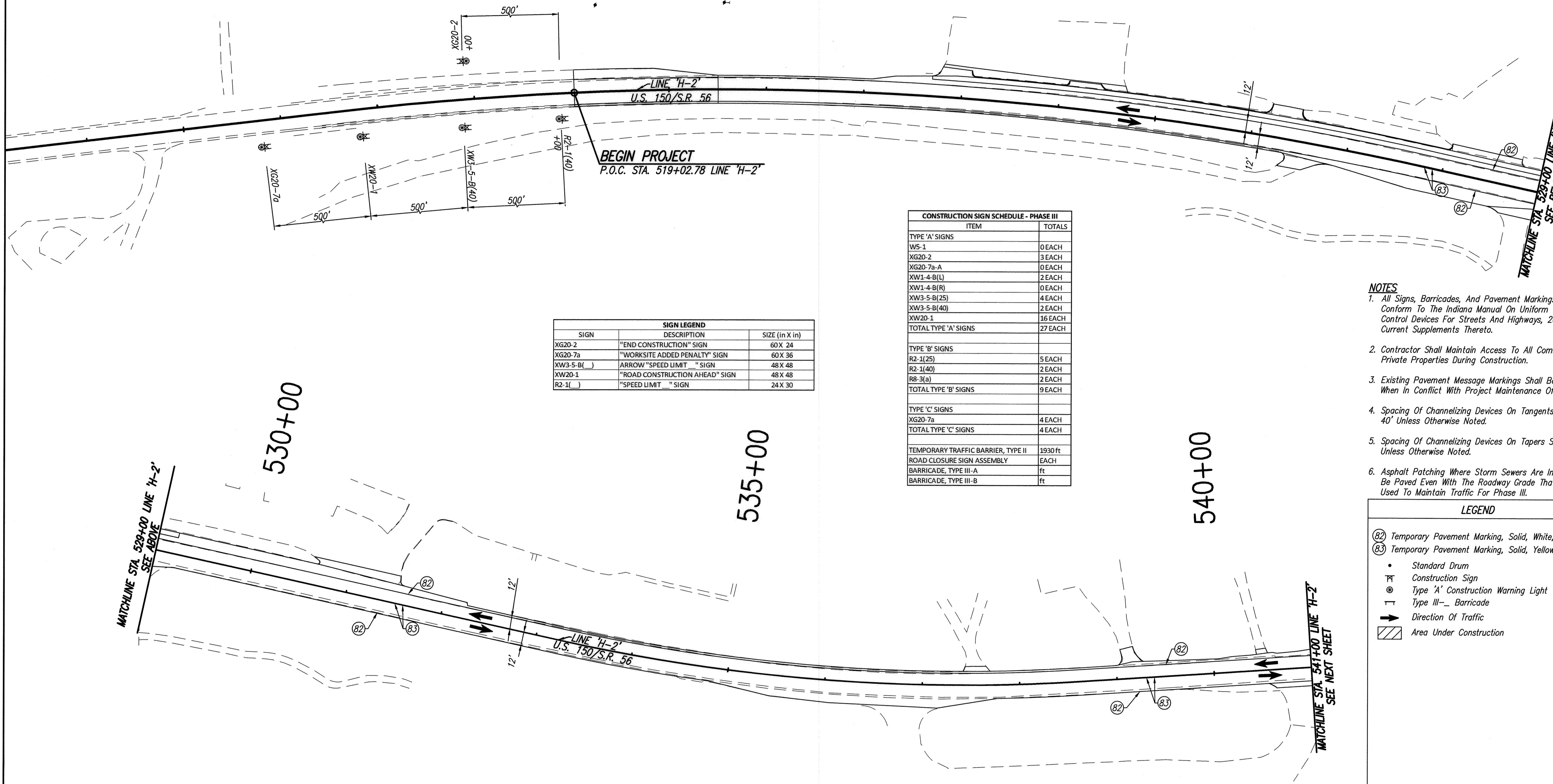
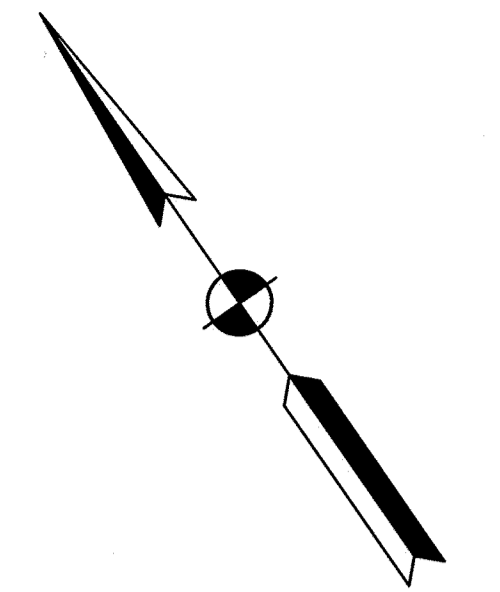
520+00

525+00

530+00

535+00

540+00



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

CONSTRUCTION SIGN SCHEDULE - PHASE III	
ITEM	TOTALS
TYPE 'A' SIGNS	
W5-1	0 EACH
XG20-2	3 EACH
XG20-7a-A	0 EACH
XW1-4-B(L)	2 EACH
XW1-4-B(R)	0 EACH
XW3-5-B(25)	4 EACH
XW3-5-B(40)	2 EACH
XW20-1	16 EACH
TOTAL TYPE 'A' SIGNS	27 EACH
TYPE 'B' SIGNS	
R2-1(25)	5 EACH
R2-1(40)	2 EACH
R8-3(a)	2 EACH
TOTAL TYPE 'B' SIGNS	9 EACH
TYPE 'C' SIGNS	
XG20-7a	4 EACH
TOTAL TYPE 'C' SIGNS	4 EACH
TEMPORARY TRAFFIC BARRIER, TYPE II	1930 ft
ROAD CLOSURE SIGN ASSEMBLY	EACH
BARRICADE, TYPE III-A	ft
BARRICADE, TYPE III-B	ft

**NOTES**

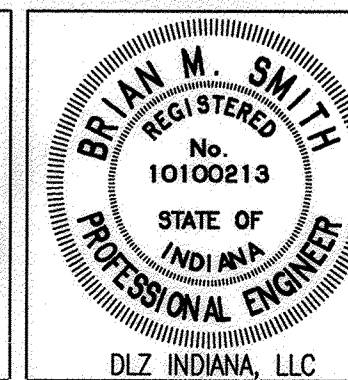
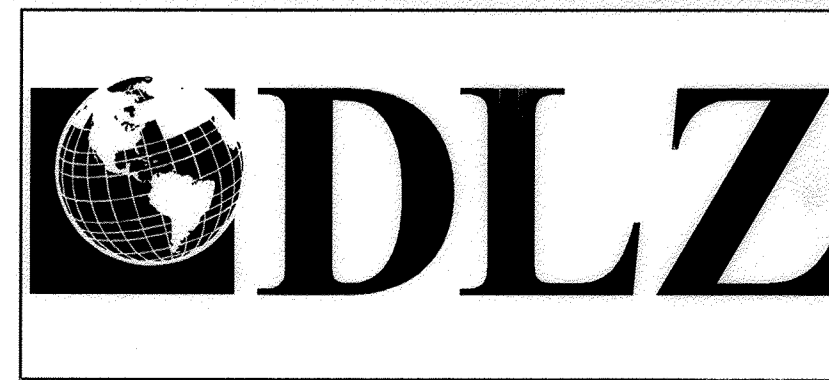
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- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
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**LEGEND**

- (82) Temporary Pavement Marking, Solid, White, 4"
- (83) Temporary Pavement Marking, Solid, Yellow, 4"
- Standard Drum
- ⊠ Construction Sign
- ⊙ Type 'A' Construction Warning Light
- ⊥ Type III- Barricade
- ➔ Direction Of Traffic
- ▨ Area Under Construction

CONSTRUCTION ZONE DESIGN SPEED = 40 MPH

Drawn: Mar 13, 2015, 10:46am User: DLZ File: M:\PROJECTS\0681\27200\2015\DWG\W07A\_2015MTE30.dwg Model: Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>RML</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

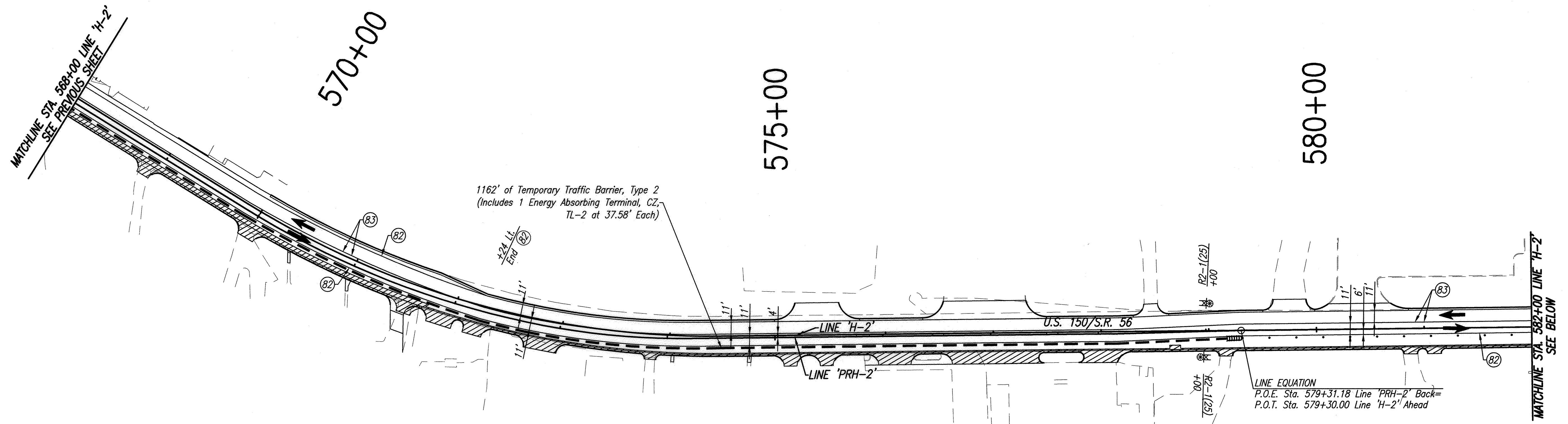
INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE III

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 19 of 158
ELECTRONIC CONTRACT	PROJECT R-31710 0710(980)



Date: Apr 28, 2015, 7:31am User: ID: MoodyView  
 File: M:\PROJ\0861\2750\2015\Civil\DWG\W07\2015MT52.dwg Model Tab: Plan Set



1162' of Temporary Traffic Barrier, Type 2  
 (Includes 1 Energy Absorbing Terminal, CZ,  
 TL-2 at 37.58' Each)

LINE EQUATION  
 P.O.E. Sta. 579+31.18 Line 'PRH-2' Back=  
 P.O.T. Sta. 579+30.00 Line 'H-2' Ahead

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

**CONSTRUCTION NOTES**

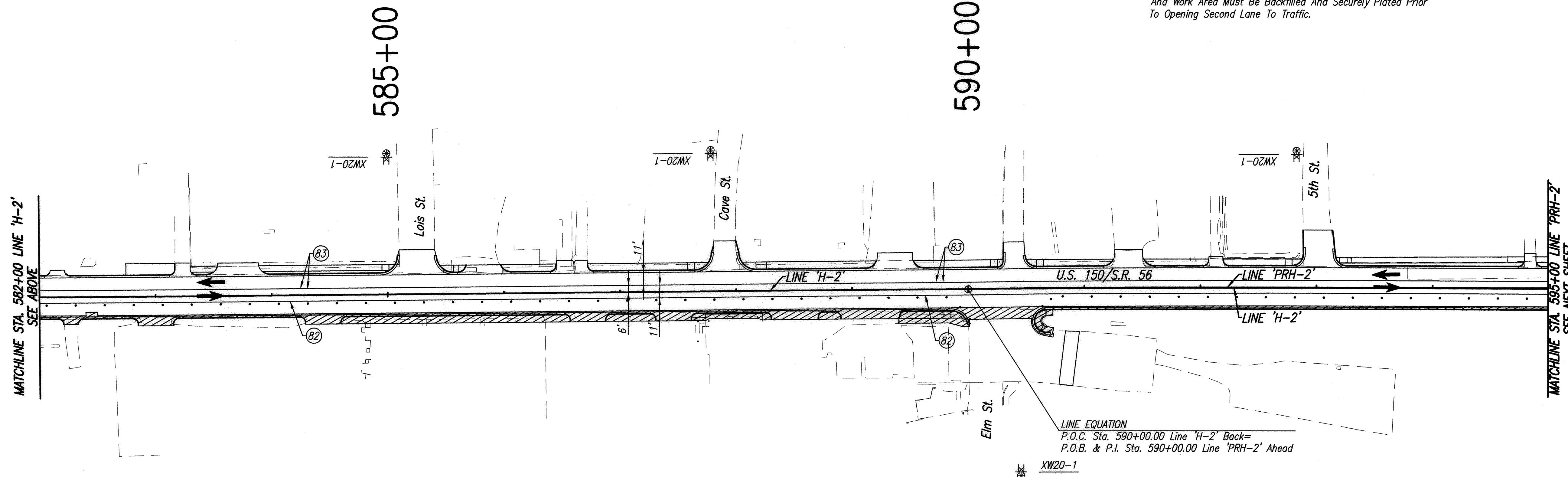
As Necessary During Construction Of Storm Sewer Laterals,  
 Contractor, May Choose To Close One Lane For Construction  
 Staging And Equipment Staging While Maintaining One Lane  
 Of Traffic Utilizing Flagging Operations. During Non-Working  
 Hours, Two Lanes Of Traffic Shall Be Maintained As Shown  
 And Work Area Must Be Backfilled And Securely Plated Prior  
 To Opening Second Lane To Traffic.

**NOTES**

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- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

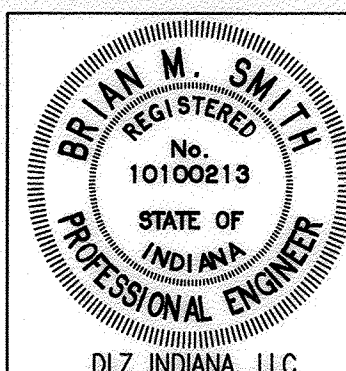
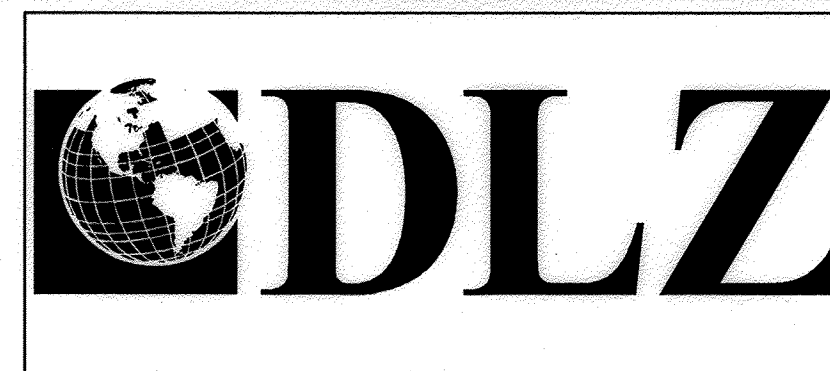
**LEGEND**

- (82) Temporary Pavement Marking, Solid, White, 4"
- (83) Temporary Pavement Marking, Solid, Yellow, 4"
- Standard Drum
- ⊠ Construction Sign
- ⊙ Type 'A' Construction Warning Light
- ⊠ Type III- Barricade
- ➔ Direction Of Traffic
- ▨ Area Under Construction
- Temporary Traffic Barrier, Type 2
- ▤ Energy Absorbing Terminal, CZ, TL-2



LINE EQUATION  
 P.O.C. Sta. 590+00.00 Line 'H-2' Back=  
 P.O.B. & P.I. Sta. 590+00.00 Line 'PRH-2' Ahead

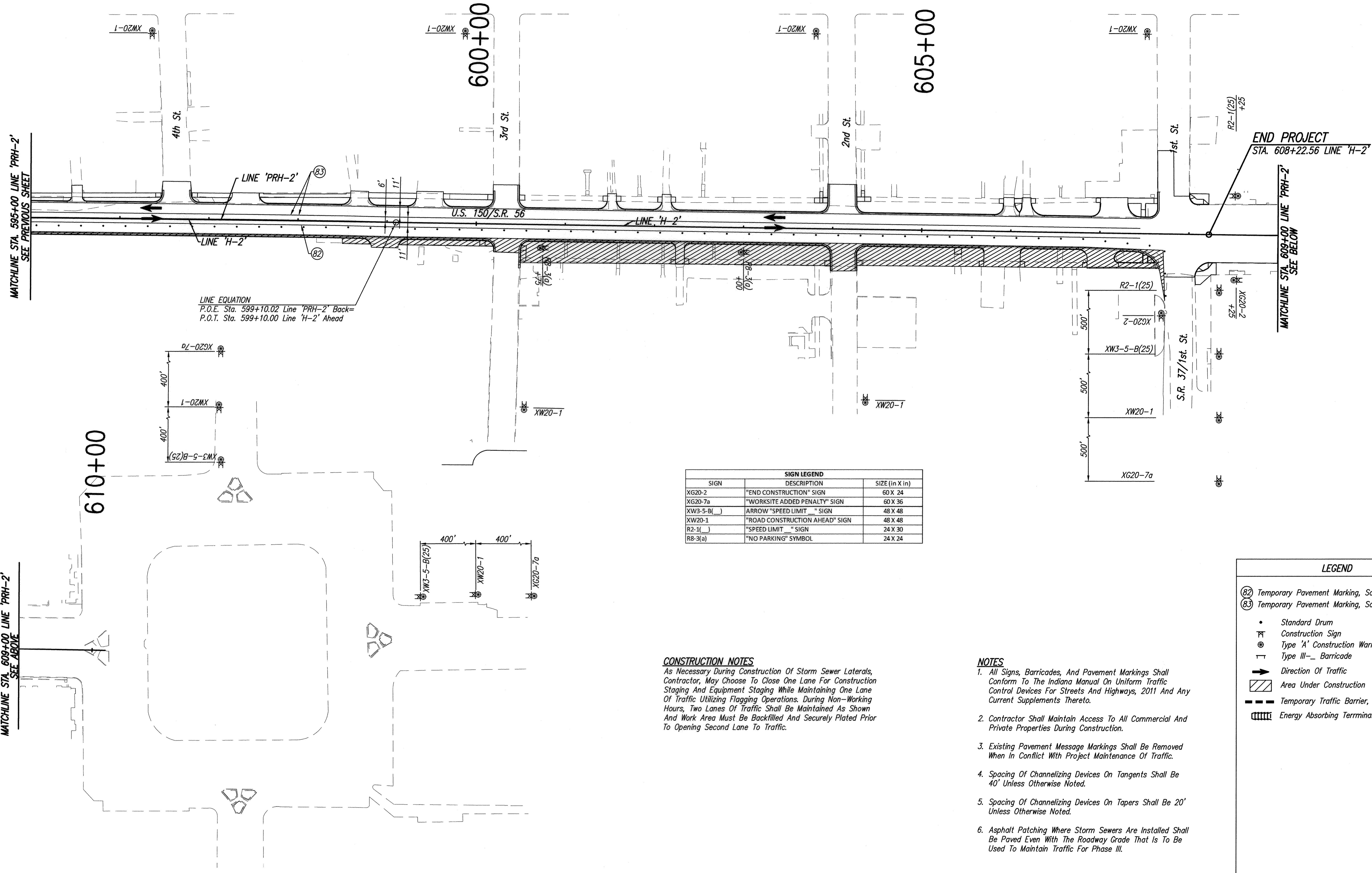
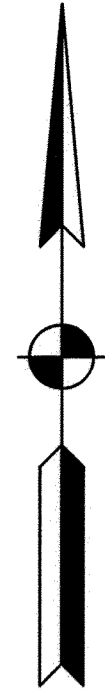
CONSTRUCTION ZONE DESIGN SPEED = 25 MPH



RECOMMENDED FOR APPROVAL	<i>B. Smith</i>	4-29-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC PHASE III

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 21 of 158
ELECTRONIC	PROJECT R-31710
CONTRACT	0710(980)



LINE EQUATION  
 P.O.E. Sta. 599+10.02 Line PRH-2' Back=  
 P.O.T. Sta. 599+10.00 Line H-2' Ahead

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XW3-5-B( )	ARROW "SPEED LIMIT " SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT " SIGN	24 X 30
R8-3(a)	"NO PARKING" SYMBOL	24 X 24

**CONSTRUCTION NOTES**

As Necessary During Construction Of Storm Sewer Laterals, Contractor, May Choose To Close One Lane For Construction Staging And Equipment Staging While Maintaining One Lane Of Traffic Utilizing Flagging Operations. During Non-Working Hours, Two Lanes Of Traffic Shall Be Maintained As Shown And Work Area Must Be Backfilled And Securely Plated Prior To Opening Second Lane To Traffic.

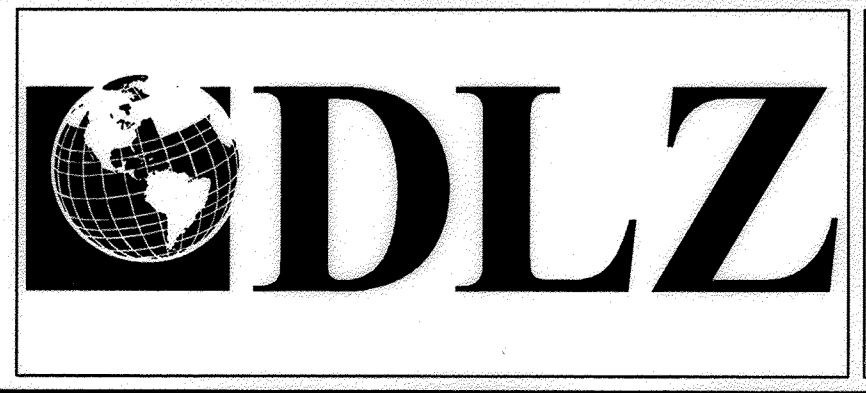
**NOTES**

- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
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- Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH

LEGEND	
(82)	Temporary Pavement Marking, Solid, White, 4"
(83)	Temporary Pavement Marking, Solid, Yellow, 4"
•	Standard Drum
⊠	Construction Sign
⊙	Type 'A' Construction Warning Light
⊥	Type III- Barricade
➔	Direction Of Traffic
▨	Area Under Construction
—	Temporary Traffic Barrier, Type 2
▩	Energy Absorbing Terminal, CZ, TL-2

Date: Apr 28, 2015, 7:31am User: D:\wcc\jlev File: M:\V\100\10012720\10012720\10012720\10012720\10012720.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>Rnk</i>	4-28-15
	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC PHASE III

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 158
CONTRACT	PROJECT
R-31710	0710(980)

515+00

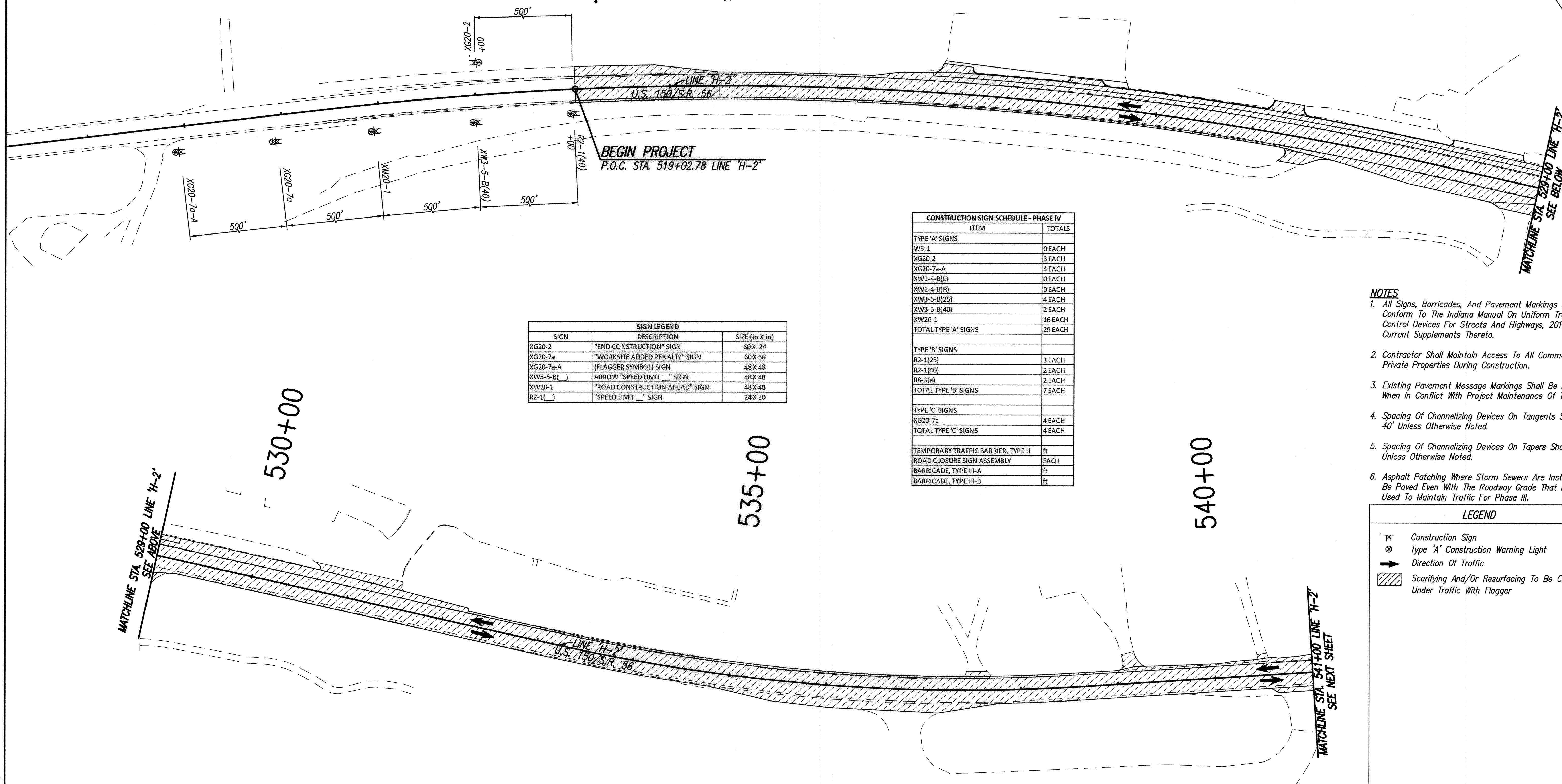
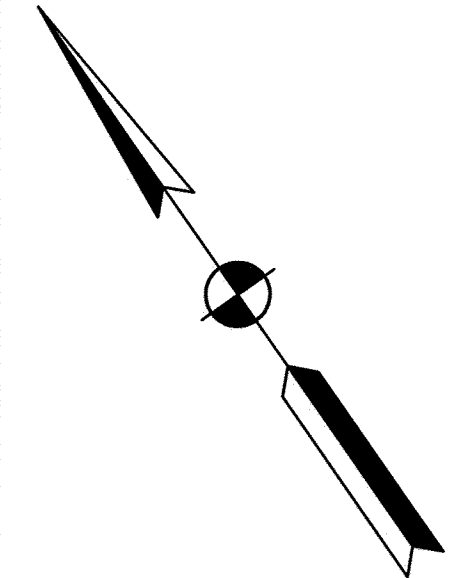
520+00

525+00

530+00

535+00

540+00



**BEGIN PROJECT**  
P.O.C. STA. 519+02.78 LINE "H-2"

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XG20-7a-A	(FLAGGER SYMBOL) SIGN	48 X 48
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

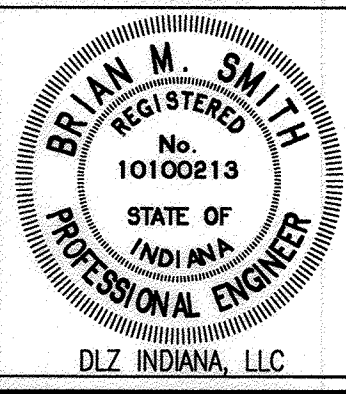
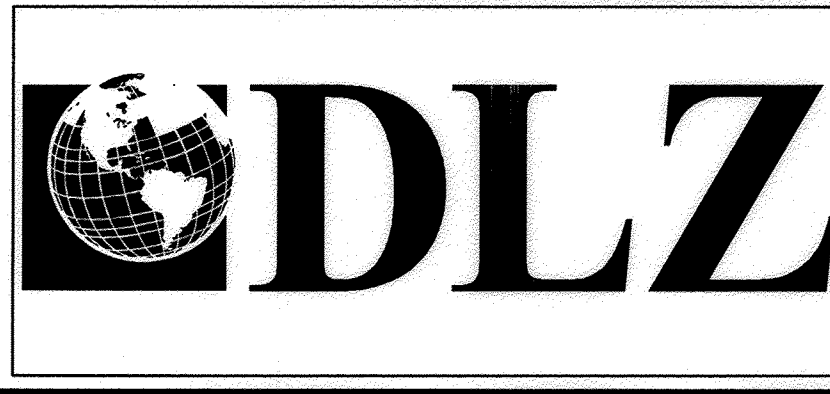
CONSTRUCTION SIGN SCHEDULE - PHASE IV	
ITEM	TOTALS
TYPE 'A' SIGNS	
WS-1	0 EACH
XG20-2	3 EACH
XG20-7a-A	4 EACH
XW1-4-B(L)	0 EACH
XW1-4-B(R)	0 EACH
XW3-5-B(25)	4 EACH
XW3-5-B(40)	2 EACH
XW20-1	16 EACH
TOTAL TYPE 'A' SIGNS	29 EACH
TYPE 'B' SIGNS	
R2-1(25)	3 EACH
R2-1(40)	2 EACH
R8-3(a)	2 EACH
TOTAL TYPE 'B' SIGNS	7 EACH
TYPE 'C' SIGNS	
XG20-7a	4 EACH
TOTAL TYPE 'C' SIGNS	4 EACH
TEMPORARY TRAFFIC BARRIER, TYPE II	ft
ROAD CLOSURE SIGN ASSEMBLY	EACH
BARRICADE, TYPE III-A	ft
BARRICADE, TYPE III-B	ft

- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
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  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

LEGEND	
	Construction Sign
	Type 'A' Construction Warning Light
	Direction Of Traffic
	Scarifying And/Or Resurfacing To Be Completed Under Traffic With Flagger

CONSTRUCTION ZONE DESIGN SPEED = 40 MPH

Plot: M:\15\_2015\_10565.dwg User: ID: d:\m...  
File: M:\P\03\0601\2-230\2015\03\015\015\015\015\015.dwg Model: Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>B. Smith</i> 3-12-15	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE IV

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 158
CONTRACT	PROJECT
R-31710	0710(980)

MATCHLINE STA. 541+00 LINE 'H-2'  
SEE PREVIOUS SHEET

MATCHLINE STA. 556+00 LINE 'H-2'  
SEE BELOW

MATCHLINE STA. 556+00 LINE 'H-2'  
SEE ABOVE

MATCHLINE STA. 568+00 LINE 'H-2'  
SEE NEXT SHEET

545+00

550+00

555+00

560+00

565+00

W. Hospital Rd.

Willowcreek Rd.

END PROJECT EXCEPTION  
STA. 546+75.76 LINE 'H-2'

BEGIN PROJECT EXCEPTION  
STA. 545+21.62 LINE 'H-2'

LINE EQUATION  
P.C. Sta. 560+70.02 Line 'H-2' Back=  
P.O.B. Sta. 560+70.02 Line 'PRH-2' Ahead

LINE 'H-2'  
U.S. 150/S.R. 56

LINE 'H-2'  
U.S. 150/S.R. 56

LINE 'PRH-2'

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30

**NOTES**

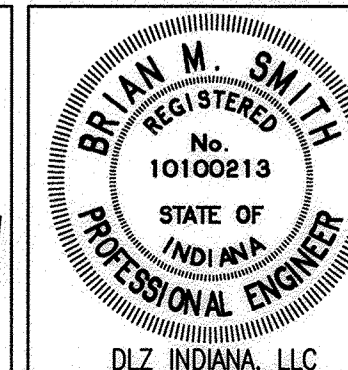
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- Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

**LEGEND**

- Construction Sign
- Type 'A' Construction Warning Light
- Direction Of Traffic
- Scarifying And/Or Resurfacing To Be Completed Under Traffic With Flagger

CONSTRUCTION ZONE DESIGN SPEED = 40 MPH  
CONSTRUCTION ZONE DESIGN SPEED = 25 MPH (EAST OF WILLOW CREEK RD.)

Date: Mar 13, 2015, 10:50am User ID: dhsocw File: \\A:\PROJ\0861\2720\2015\civil\dwg\WOT\2015MT41.dwg Model Tab: Plan Set

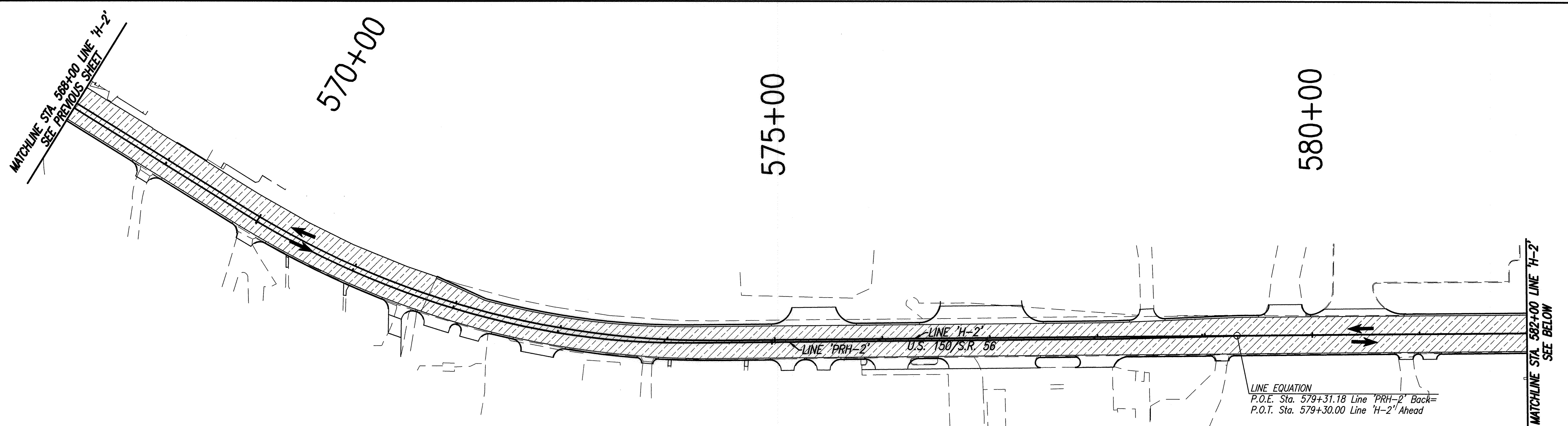


RECOMMENDED FOR APPROVAL	<i>R.M.S.</i>	02-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

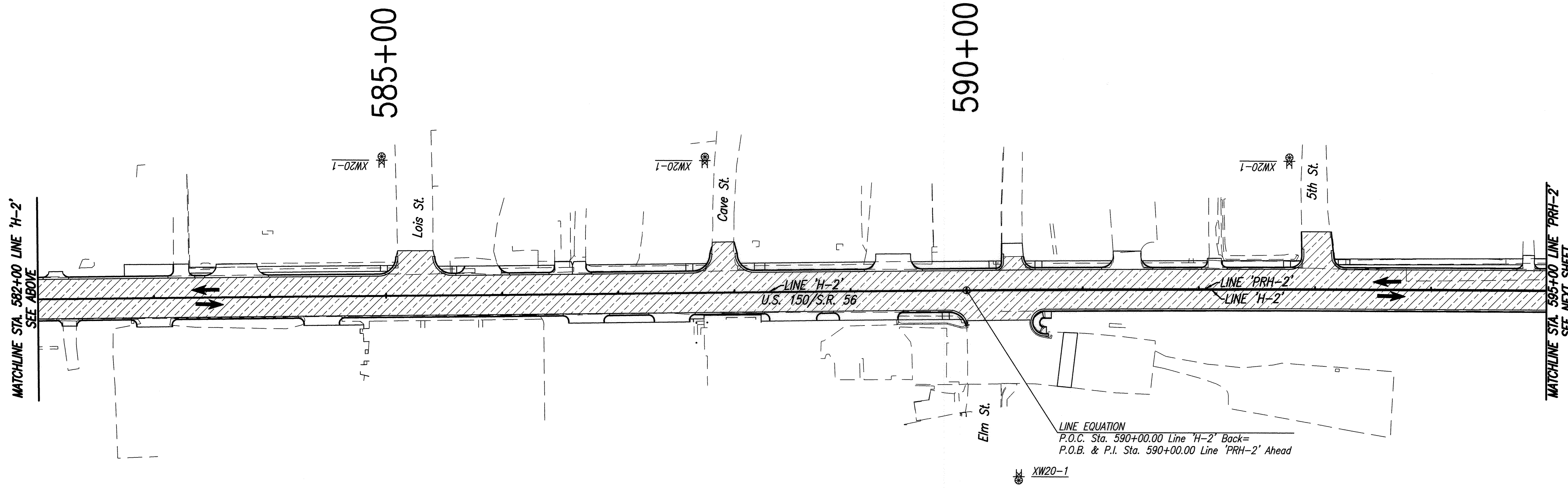
INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
MAINTENANCE OF TRAFFIC  
PHASE IV

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 158
CONTRACT	PROJECT
R-31710	0710(980)





LINE EQUATION  
 P.O.E. Sta. 579+31.18 Line 'PRH-2' Back=  
 P.O.T. Sta. 579+30.00 Line 'H-2' Ahead



LINE EQUATION  
 P.O.C. Sta. 590+00.00 Line 'H-2' Back=  
 P.O.B. & P.I. Sta. 590+00.00 Line 'PRH-2' Ahead

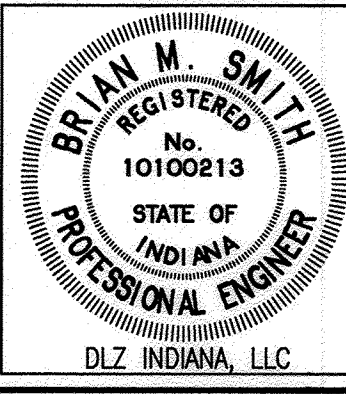
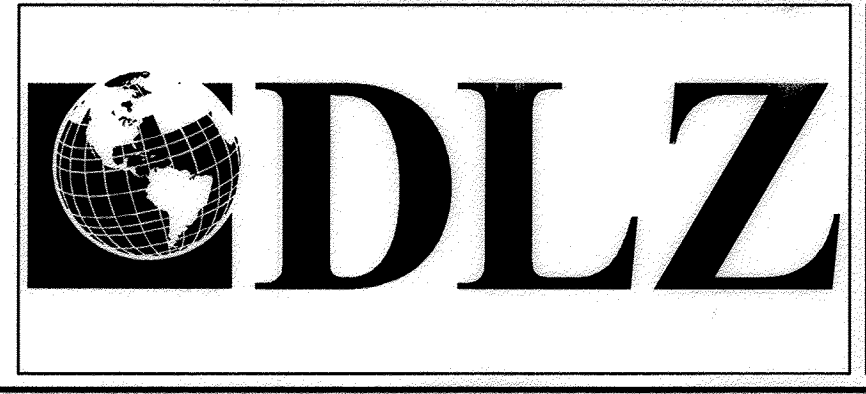
- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
  - Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

**LEGEND**

	Construction Sign
	Type 'A' Construction Warning Light
	Direction Of Traffic
	Scarifying And/Or Resurfacing To Be Completed Under Traffic With Flagger

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH

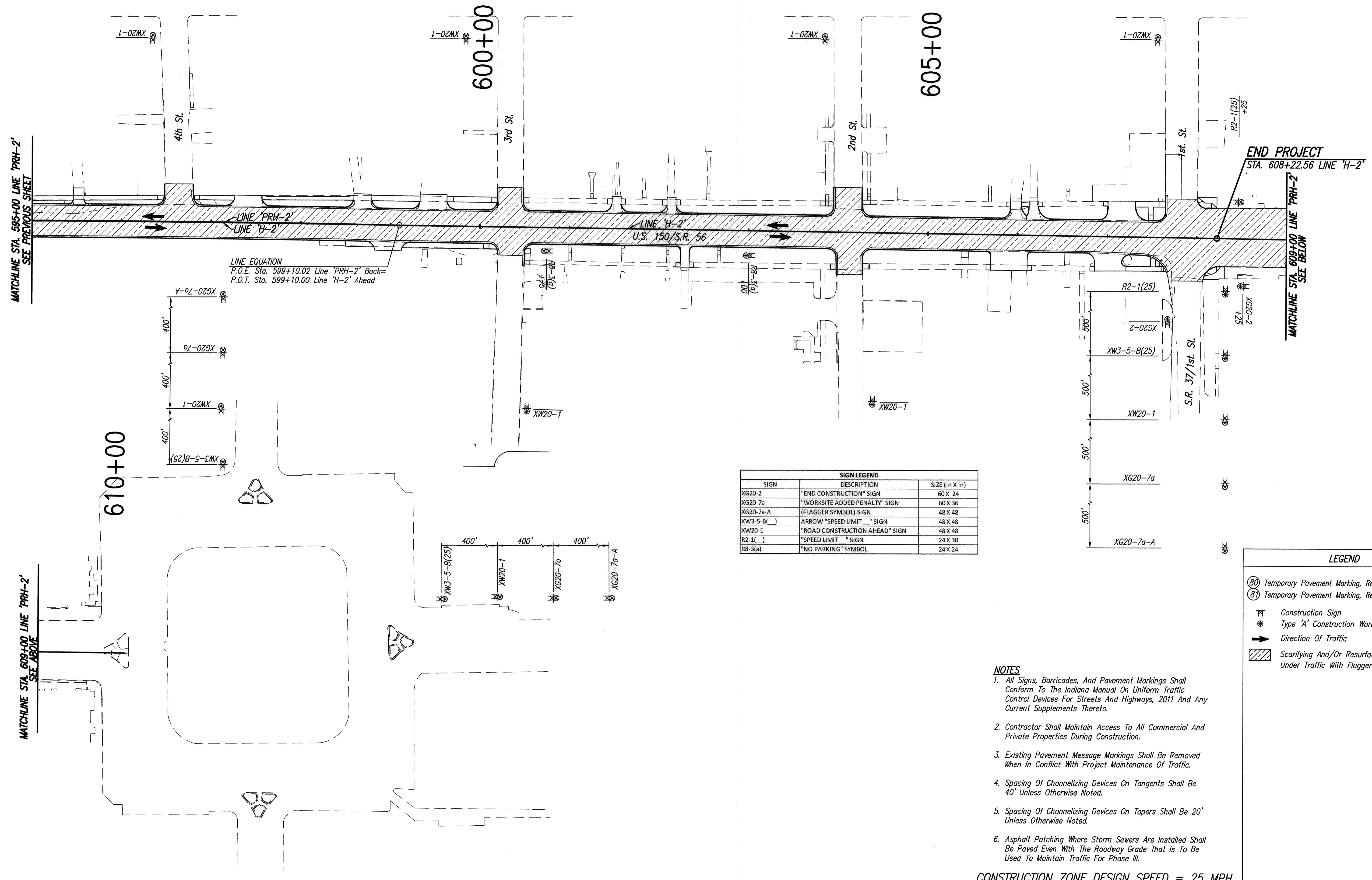
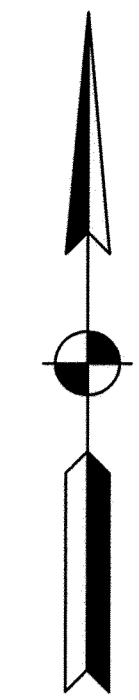
Date: Mar 13, 2015, 10:50am User: b. dhoover  
 File: M:\Projects\0861\2730\2015\03\15\DWG\MOT\150158142.dwg Model: Tab: Plot Set



RECOMMENDED FOR APPROVAL	<i>Rmk</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC PHASE IV

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 25 of 158
ELECTRONIC	PROJECT R-31710
CONTRACT	0710(980)



SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XG20-7a	"WORKSITE ADDED PENALTY" SIGN	60 X 36
XG20-7a-A	(FLAGGER SYMBOL) SIGN	48 X 48
XW3-5-B( )	ARROW "SPEED LIMIT" SIGN	48 X 48
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 X 48
R2-1( )	"SPEED LIMIT" SIGN	24 X 30
R8-3(a)	"NO PARKING" SYMBOL	24 X 24

LEGEND	
(80)	Temporary Pavement Marking, Removable, Solid, White, 4"
(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4"
⊠	Construction Sign
⊙	Type 'A' Construction Warning Light
➔	Direction Of Traffic
▨	Scarifying And/Or Resurfacing To Be Completed Under Traffic With Flagger

- NOTES**
- All Signs, Barricades, And Pavement Markings Shall Conform To The Indiana Manual On Uniform Traffic Control Devices For Streets And Highways, 2011 And Any Current Supplements Thereto.
  - Contractor Shall Maintain Access To All Commercial And Private Properties During Construction.
  - Existing Pavement Message Markings Shall Be Removed When In Conflict With Project Maintenance Of Traffic.
  - Spacing Of Channelizing Devices On Tangents Shall Be 40' Unless Otherwise Noted.
  - Spacing Of Channelizing Devices On Tapers Shall Be 20' Unless Otherwise Noted.
  - Asphalt Patching Where Storm Sewers Are Installed Shall Be Paved Even With The Roadway Grade That Is To Be Used To Maintain Traffic For Phase III.

CONSTRUCTION ZONE DESIGN SPEED = 25 MPH

Date: May 13, 2015, 10:50:51 AM User ID: dhrmcc File: \\A:\PROJ\0861\2730\2015\15015151\15015151.dwg Model Tab: Plan Set

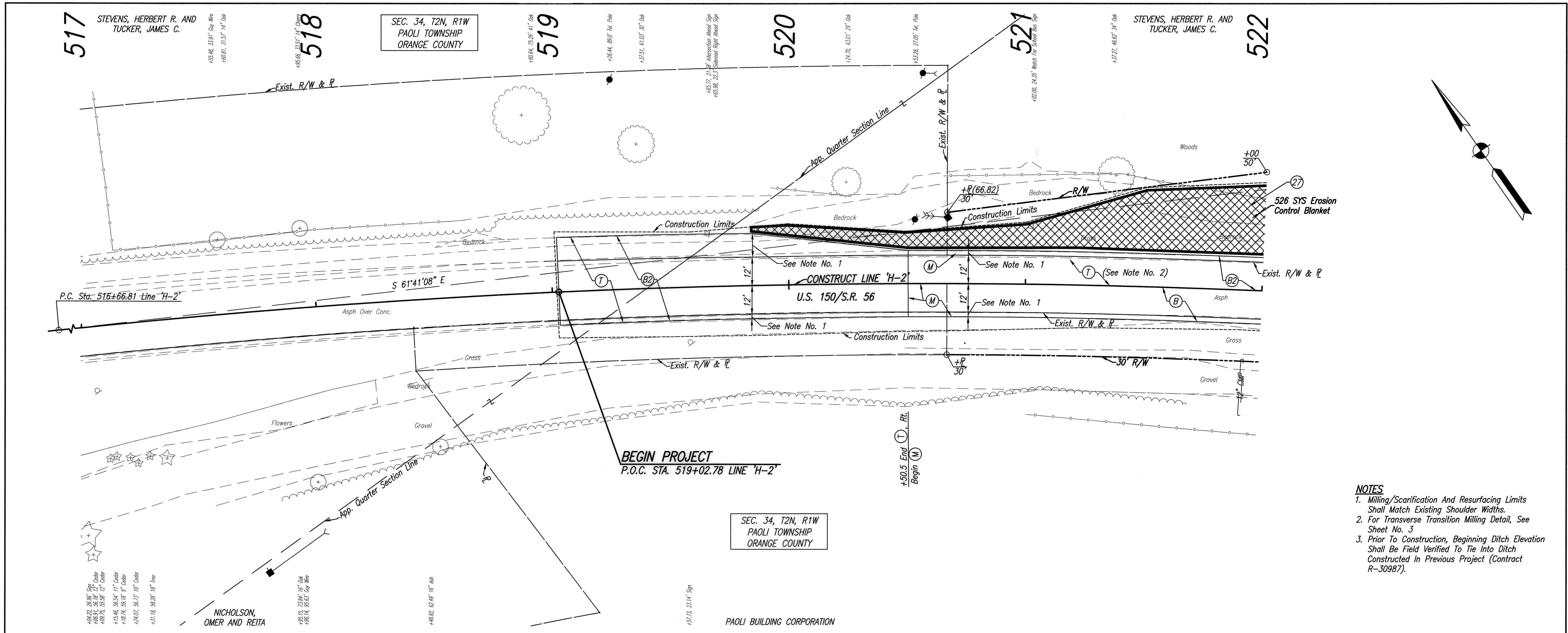


RECOMMENDED FOR APPROVAL	<i>Bmk</i>	03-12-15
	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

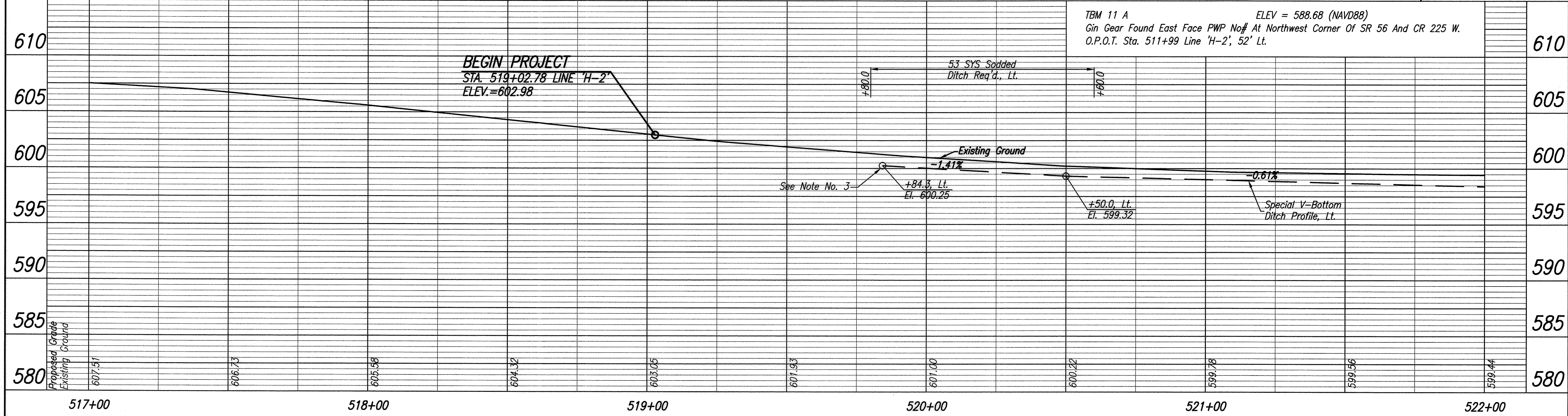
**MAINTENANCE OF TRAFFIC PHASE IV**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	26 of 158
CONTRACT	PROJECT
R-31710	0710(980)



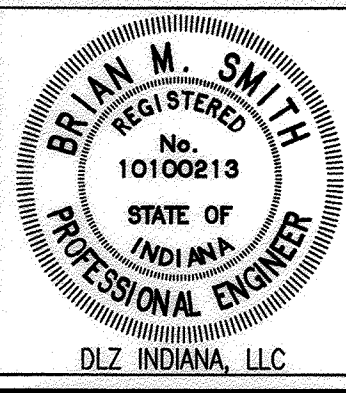
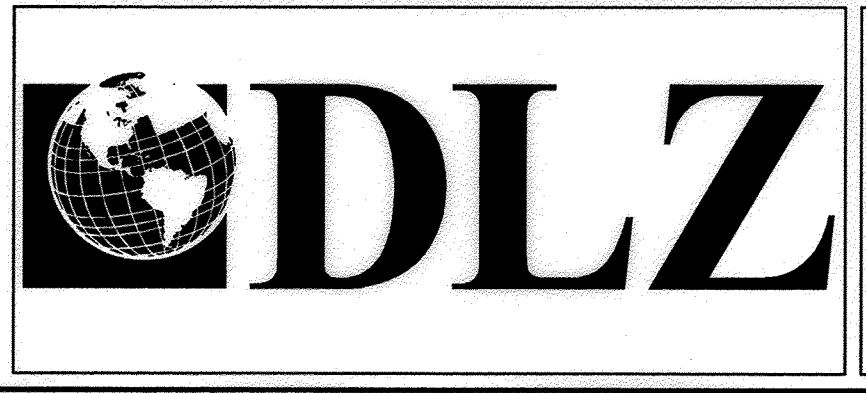
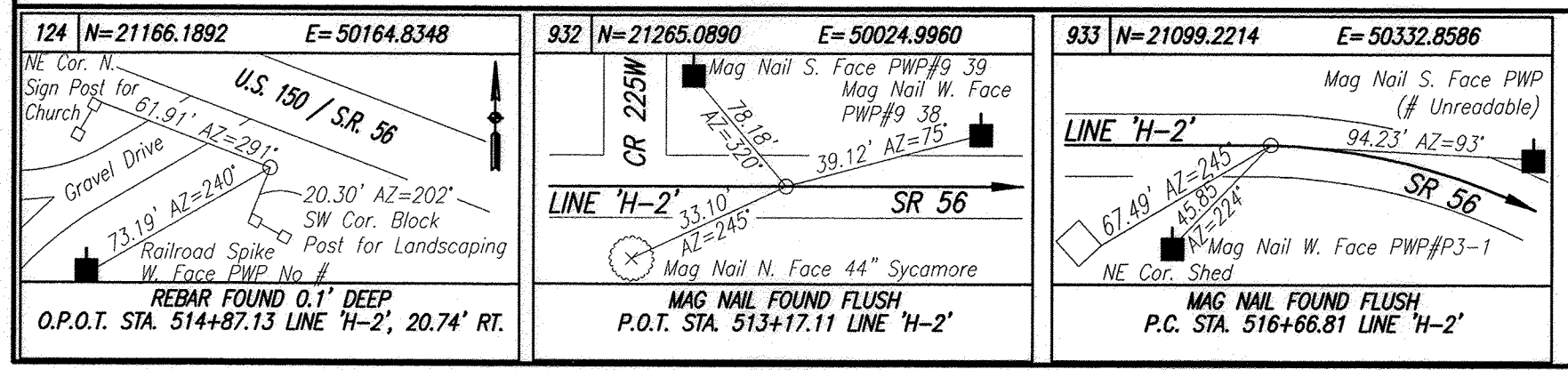
- NOTES**
- Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.
  - For Transverse Transition Milling Detail, See Sheet No. 3.
  - Prior To Construction, Beginning Ditch Elevation Shall Be Field Verified To Tie Into Ditch Constructed In Previous Project (Contract R-30987).

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(27)	Mulched Seeding, R
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B2)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On Variable Depth QC/QA-HMA, 3, 64, Base, 19.0 mm
(M)	Milling, Scarification/Profile
(T)	Milling, Transition
(X)	Erosion Control Blanket (See Detail, Sheet No. 52)



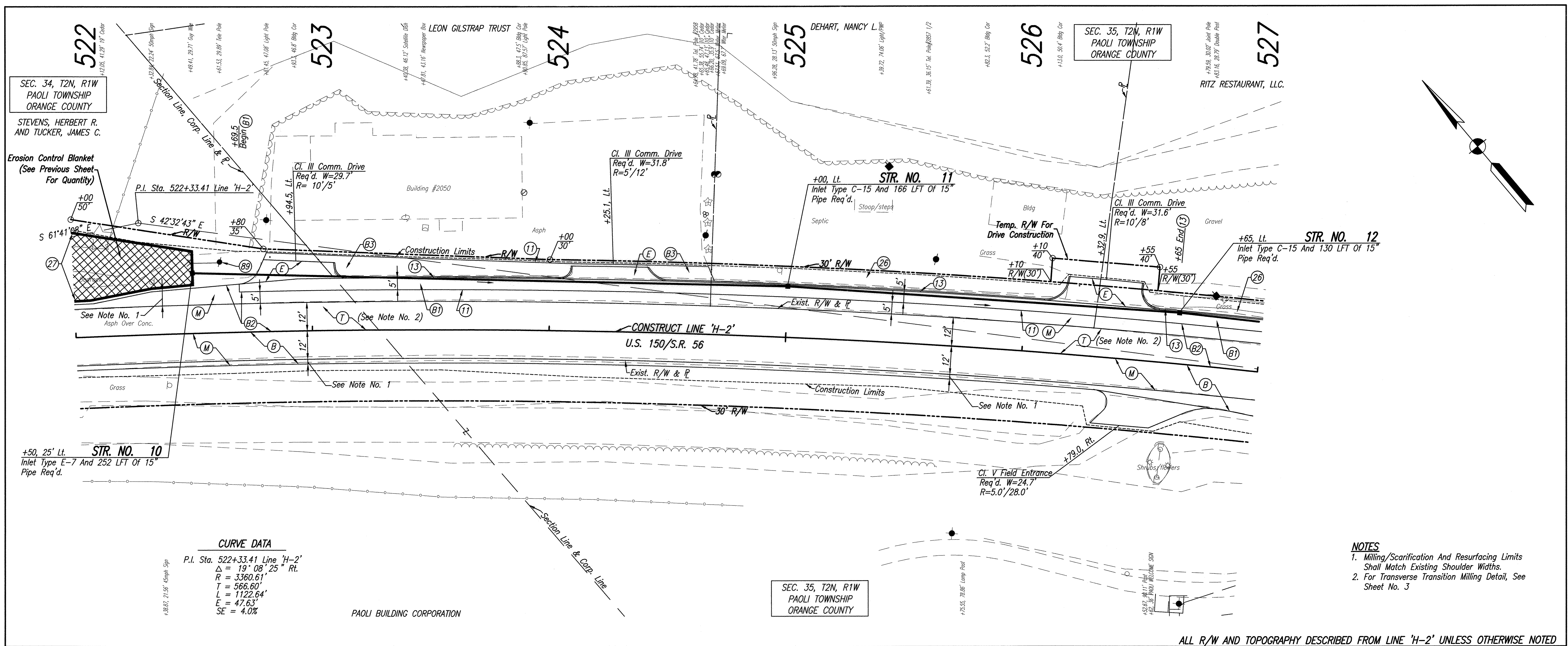
RECOMMENDED FOR APPROVAL: *B. Smith* 4-28-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAN AND PROFILE  
 LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
SURVEY BOOK	R-31710
SHEETS	27 of 158
CONTRACT	PROJECT
	0710(980)

Date: Apr 28, 2015, 7:45 AM, User: ID: vjwasth, File: I:\PROJECTS\08817\2750\2015\Drawings\Plan\CR225\CR225.dwg Model Tab: Plan Set



**CURVE DATA**

P.I. Sta. 522+33.41 Line 'H-2'

$\Delta = 19^{\circ} 08' 25''$  Rt.

$R = 3360.61'$

$T = 506.60'$

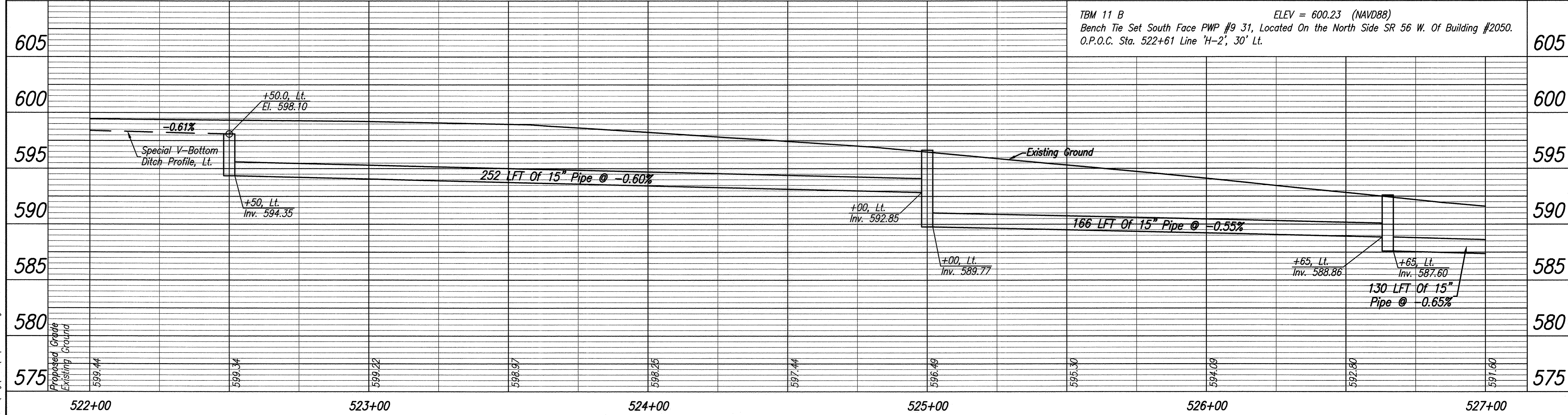
$L = 1122.64'$

$E = 47.63'$

$SE = 4.0\%$

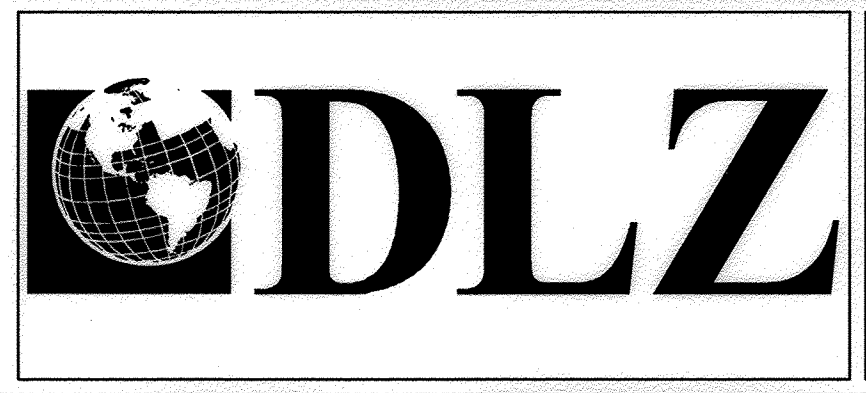
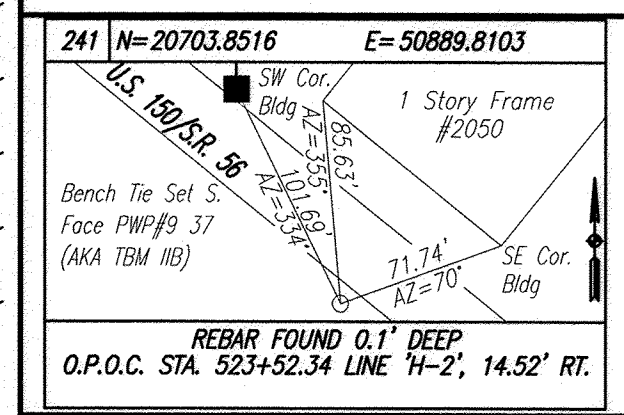
- NOTES**
- Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.
  - For Transverse Transition Milling Detail, See Sheet No. 3

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

- (1) Sawcut
- (13) Concrete Curb
- (26) Sodding, Nursery
- (27) Mulched Seeding, R
- (89) Relocate (By Others)
- (B) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
- (B2) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Variable Depth QC/QA-HMA, 3, 64, Base, 19.0 mm
- (B3) HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B, On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
- (E) PCCP For Approaches, 9" On Subgrade Treatment, Type II
- (M) Milling, Scarification/Profile
- (T) Milling, Transition
- ▨ Erosion Control Blanket (See Detail, Sheet No. 52)



RECOMMENDED FOR APPROVAL *Rmlc* 4-28-15  
DESIGN ENGINEER DATE

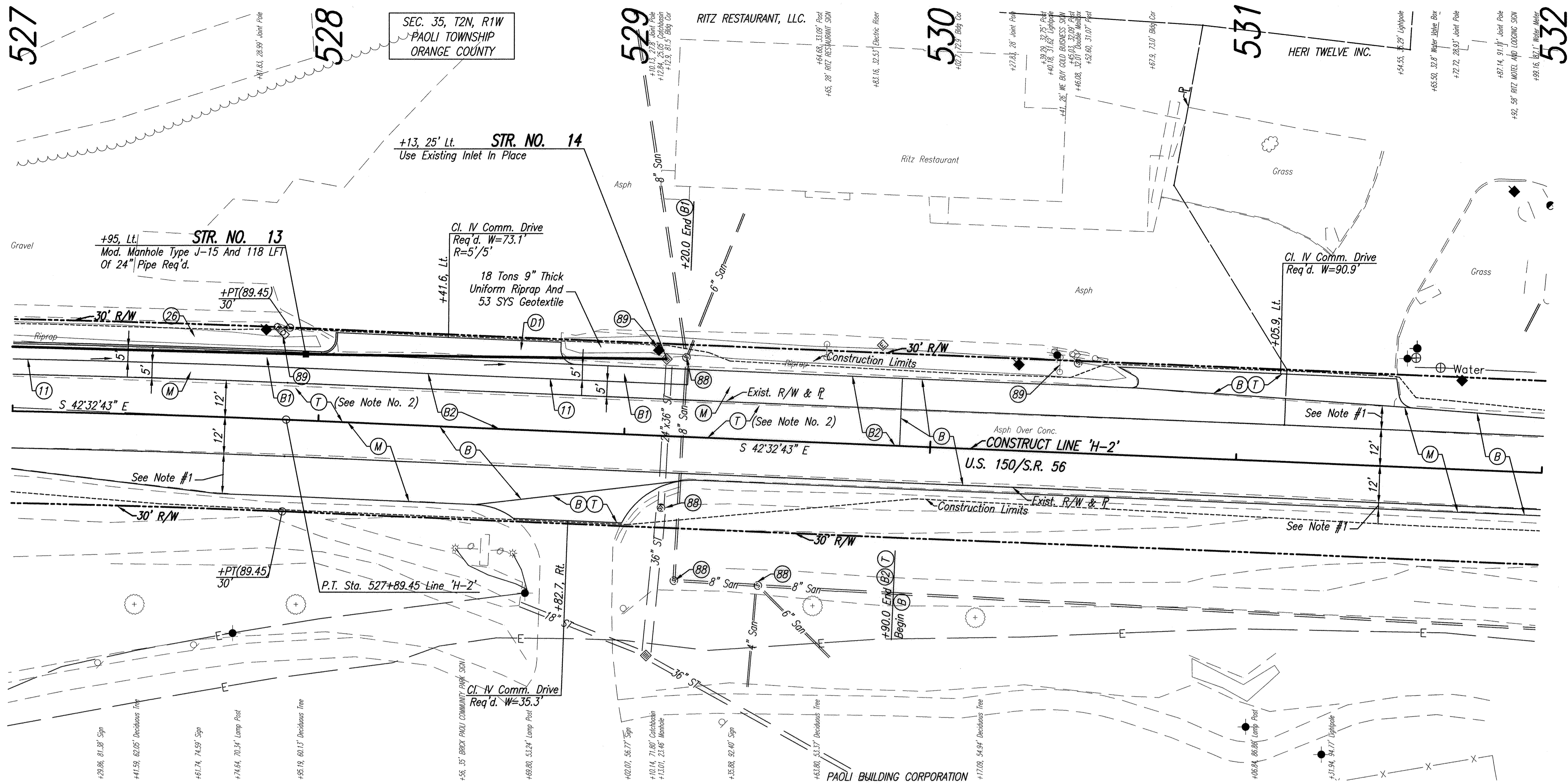
DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE 'H-2'

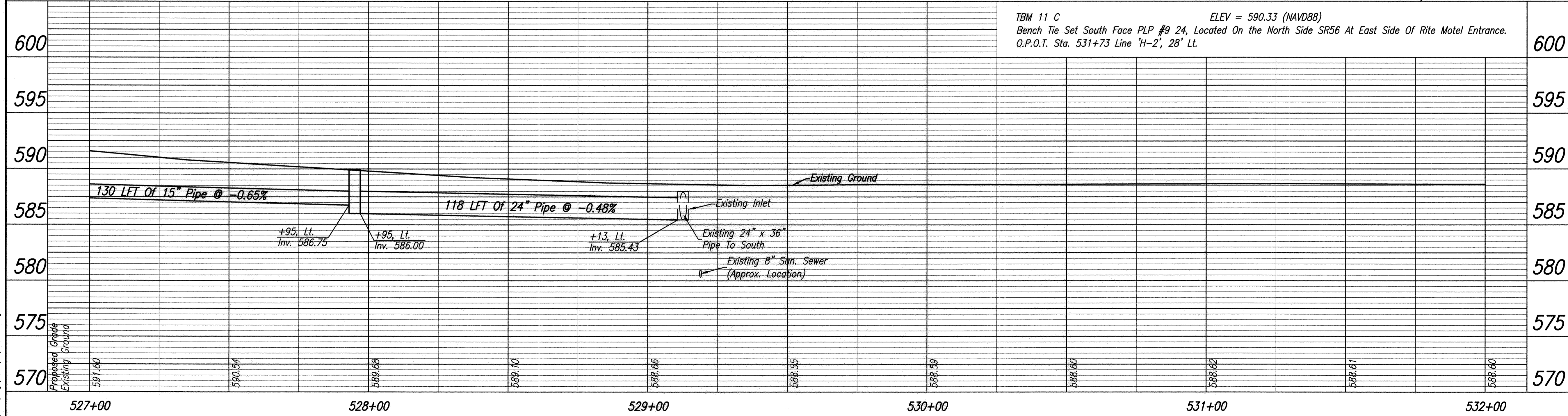
HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
	1" = 5'
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr. 28, 2015, 7:48am User: ID: wooty\jw File: N:\PROJECTS\0861\2150\215015\Civil\DWG\215015.dwg Model Tab: Plan Set



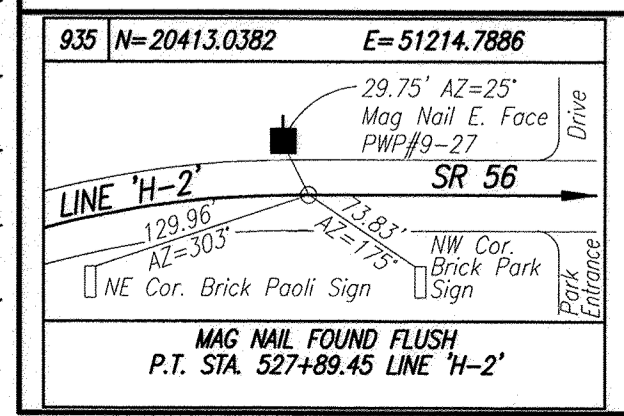
- NOTES**
- Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.
  - For Transverse Transition Milling Detail, See Sheet No. 3

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED

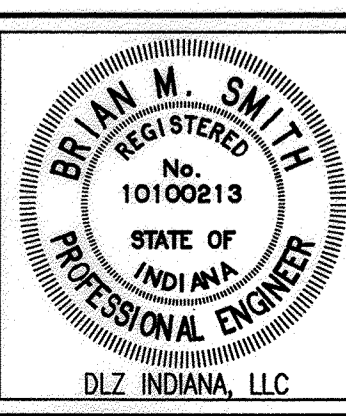
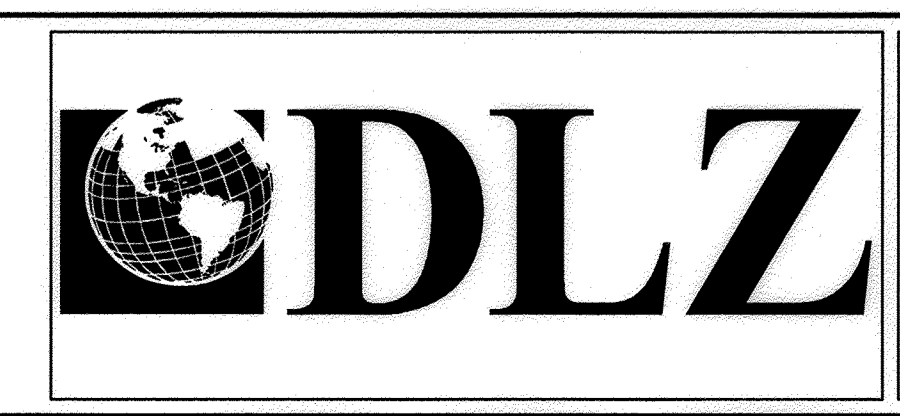


LEGEND	
(1)	Sawcut
(26)	Sodding, Nursery
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(BT)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B2)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Variable Depth QC/QA-HMA, 3, 64, Base, 19.0 mm
(D)	HMA For Approaches, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B, On 880#/SYD HMA Base, Type B, On Subgrade Treatment, Type II
(M)	Milling, Scarification/Profile
(T)	Milling, Transition

Date: Apr. 28, 2015, 7:48am User: JD - wootyview  
 File: I:\Projects\08512\25015\5\Civil\Utility\Plan\Map\03001.dwg Model Tab: Plan Set



835	N=20413.0382	E=51214.7886
29.75' A2=25' Mag Nail E. Face PWP#2-27		
LINE 'H-2' SR 56 NE Cor. Brick Paoli Sign NW Cor. Brick Paoli Sign SW Cor. Brick Paoli Sign SE Cor. Brick Paoli Sign		
MAC NAIL FOUND FLUSH P.T. STA. 527+89.45 LINE 'H-2'		



RECOMMENDED FOR APPROVAL	<i>R mde</i>	4-28-15
DESIGNED:	BBL	DATE
DRAWN:	DPH	
CHECKED:	PDF	
CHECKED:	BBL	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
	1" = 5'
SURVEY BOOK	SHEETS
ELECTRONIC	29 OF 158
CONTRACT	PROJECT
R-31710	0710(980)

532

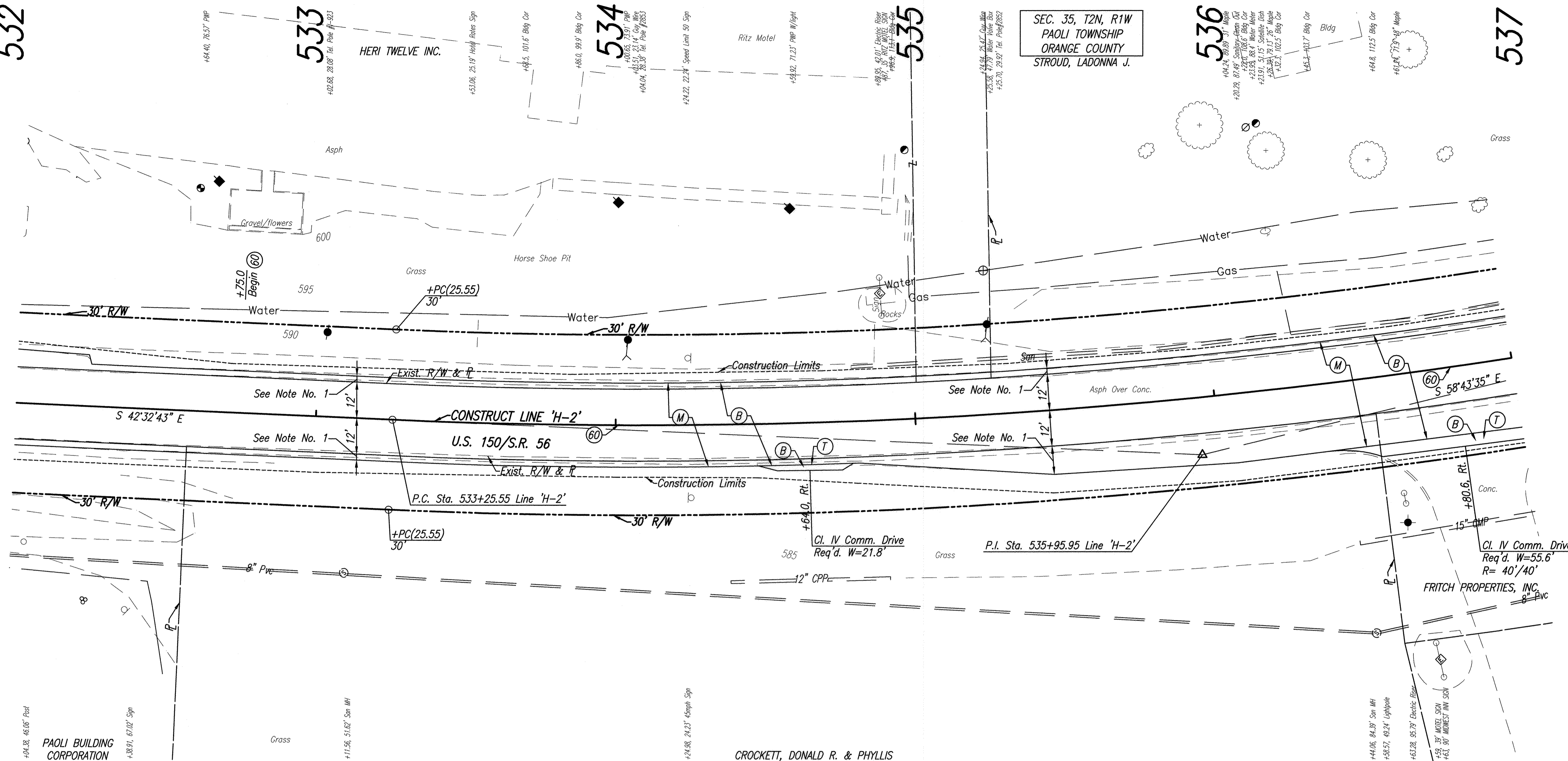
533

534

535

536

537



**CURVE DATA**

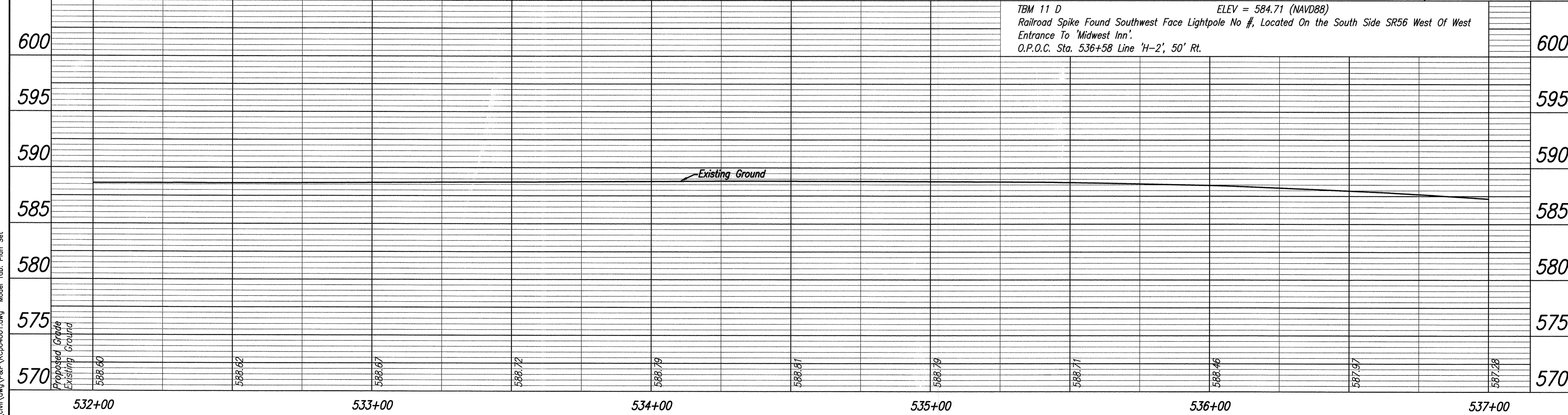
P.I. Sta. 535+95.95 Line 'H-2'

Δ	= 16° 10' 52" Lt.
R	= 1902.17'
T	= 270.40'
L	= 537.20'
E	= 19.12'
SE	= 0.6%

**NOTES**

1. Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED

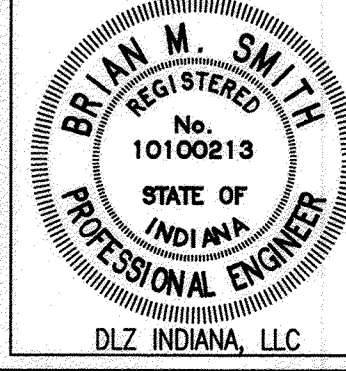


TBM 11 D ELEV = 584.71 (NAVD88)  
 Railroad Spike Found Southwest Face Lightpole No #, Located On the South Side SR56 West Of West Entrance To 'Midwest Inn'.  
 O.P.O.C. Sta. 536+58 Line 'H-2', 50' Rt.

**LEGEND**

(60)	Milled Corrugations (For Locations, See Table, Sheet No. 3)
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(M)	Milling, Scarification/Profile
(T)	Milling, Transition

<p>243 N=19774.7170 E=51800.2320</p> <p>1.58° A2=97°          Y' Cut on Top of Curb          13.71' A2=193°          E. Cor. Sign Post "Motel"          21.74' A2=204°          Mag Nail W. Face LP No #</p> <p>REBAR FOUND 0.2' DEEP          O.P.O.C. STA. 536+52.29 LINE 'H-2', 28.71' RT.</p>	<p>836 N=20018.0703 E=51577.2850</p> <p>Mag Nail W. Face          PWP#9 23          LINE 'H-2'          SR 56</p> <p>NW Cor. Sign Post "Speed Limit 45"          MAG NAIL FOUND FLUSH          P.C. STA. 533+25.55 LINE 'H-2'</p>	<p>837 N=19818.8553 E=51760.1220</p> <p>Mag Nail W. Face          PWP#9 21          LINE 'H-2'          SR 56</p> <p>71.73° A2=155°          Mag Nail W. Face          LP No #</p> <p>MAG NAIL FOUND FLUSH          P.I. STA. 535+94.15 LINE 'H-2'</p>
---	---	--



RECOMMENDED FOR APPROVAL	<i>Bmk</i>	DATE	3-12-15
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
SURVEY BOOK	0710980
ELECTRONIC	30 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Mar 13, 2015, 10:52am User ID: dhoover  
 File: M:\PROJ\0861\2730\2015\civil\dwg\2&P\VC04001.dwg Model Tab: Plan Set

537

STROUD, LADONNA J.

538

APPLE, TIMOTHY R. & JULIE R.

539

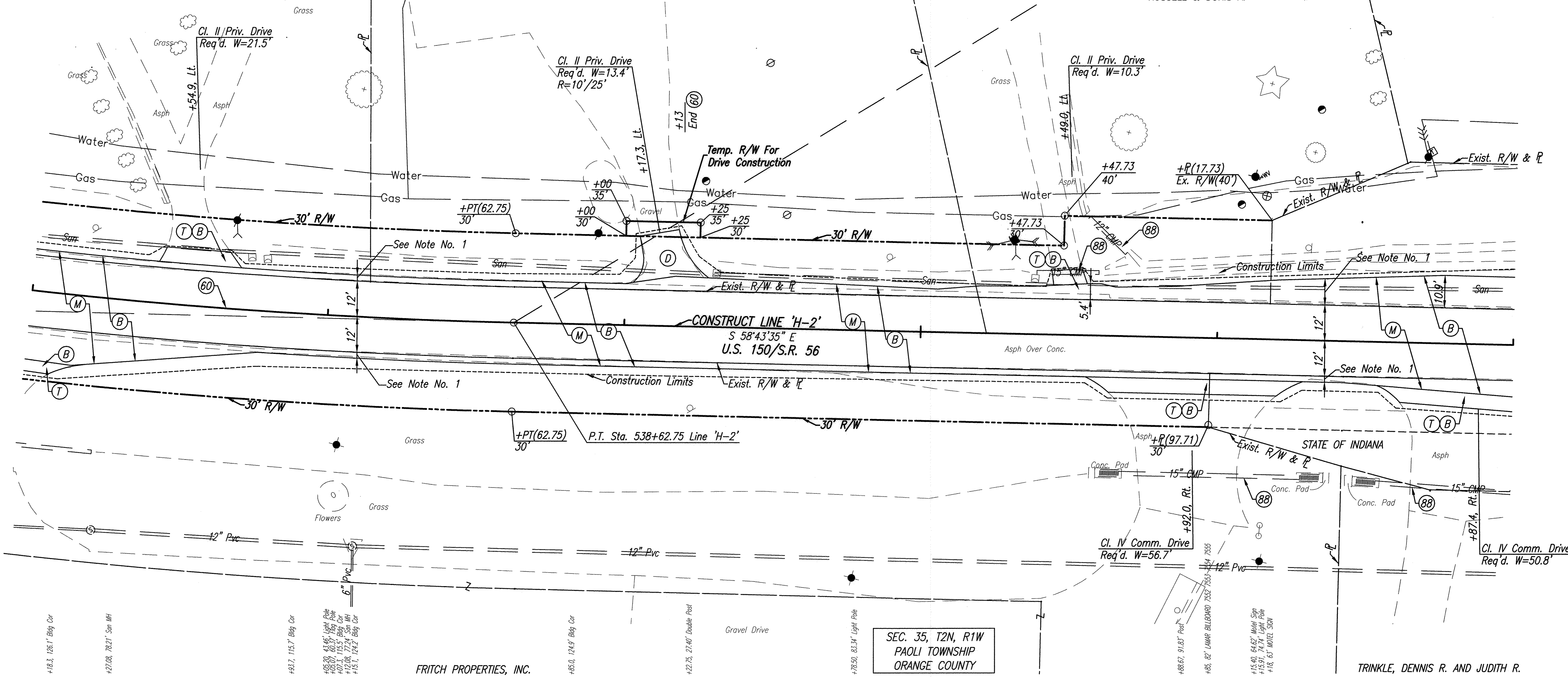
540

541

FANCHER, FLOYD RUSSELL & DORIS A.

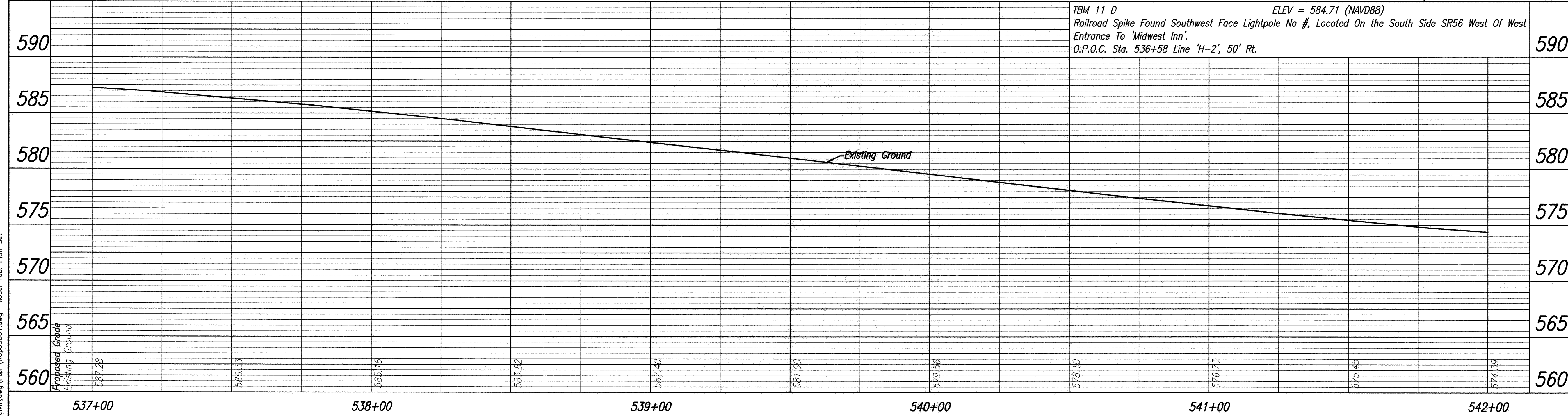
542

WELLMAN, WILLIAM R. & VIRGINIA LEE



**NOTES**  
 1. Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.

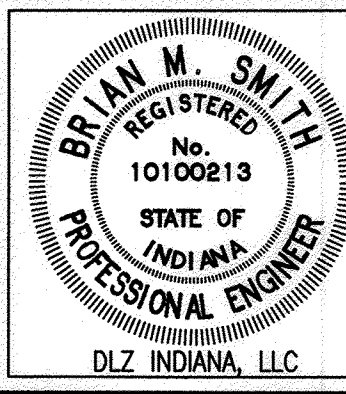
ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(60)	Milled Corrugations (For Locations, See Table, Sheet No. 3) Use In Place
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(D)	HMA For Approaches, Type B, To Be: (165#/SYD HMA Surface, Type B, On Subgrade Treatment, Type II
(M)	Milling, Scarification/Profile
(T)	Milling, Transition

Date: Mar 13, 2015, 10:52am User: ID: dhoover File: M:\PROJ\0861\2730\2015\Civil\dwg\2&P\PCP05001.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL: *BML* 3-12-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAN AND PROFILE LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
1" = 5'	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 158
CONTRACT	PROJECT
R-31710	0710(980)

542

WELLMAN, WILLIAM R. & VIRGINIA LEE

543

SEC. 35, T2N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

544

HOSPITAL ROAD

545

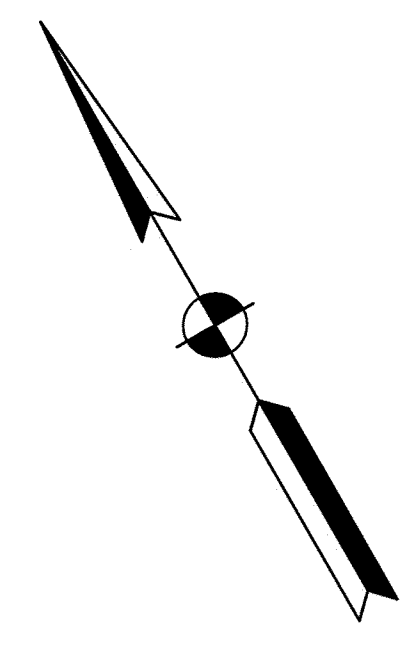
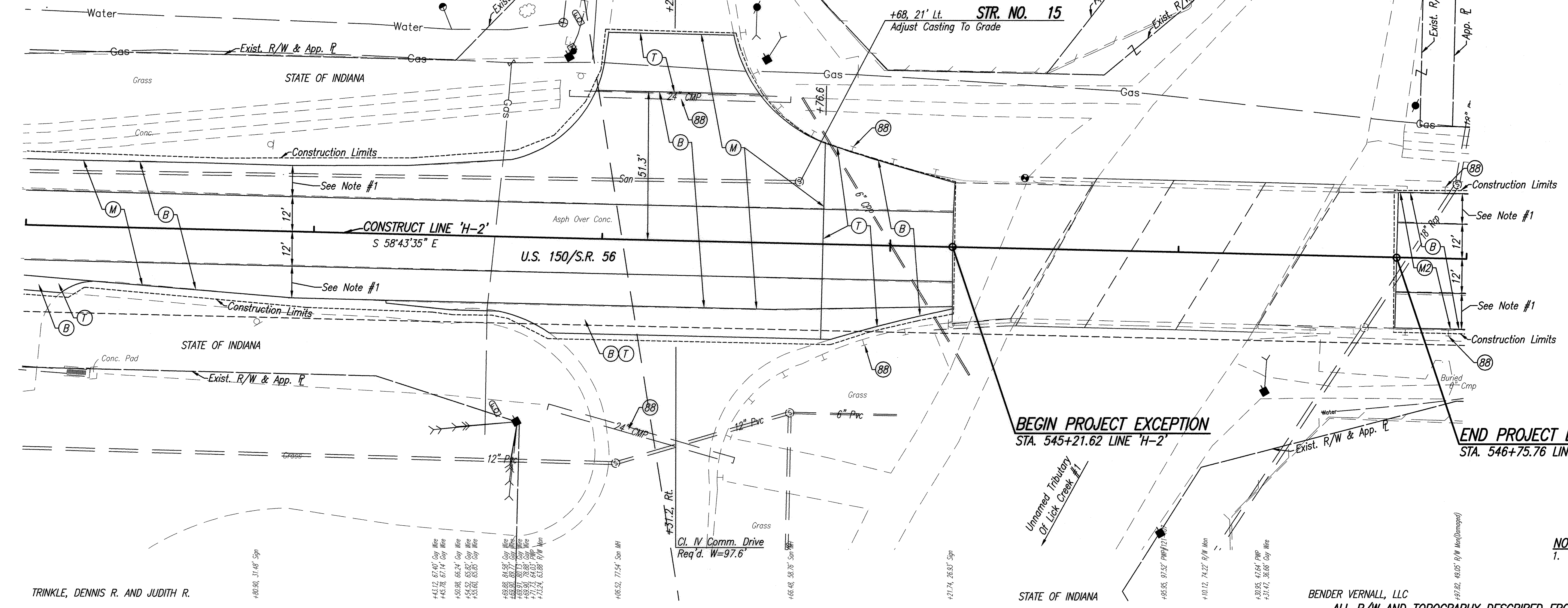
PEARCE FAMILY LIMITED PARTNERSHIP  
30000 Gallon Propane Tank  
Pump  
Motor

546

STATE OF INDIANA

547

STARKER, MARILYN M.



BEGIN PROJECT EXCEPTION  
STA. 545+21.62 LINE 'H-2'

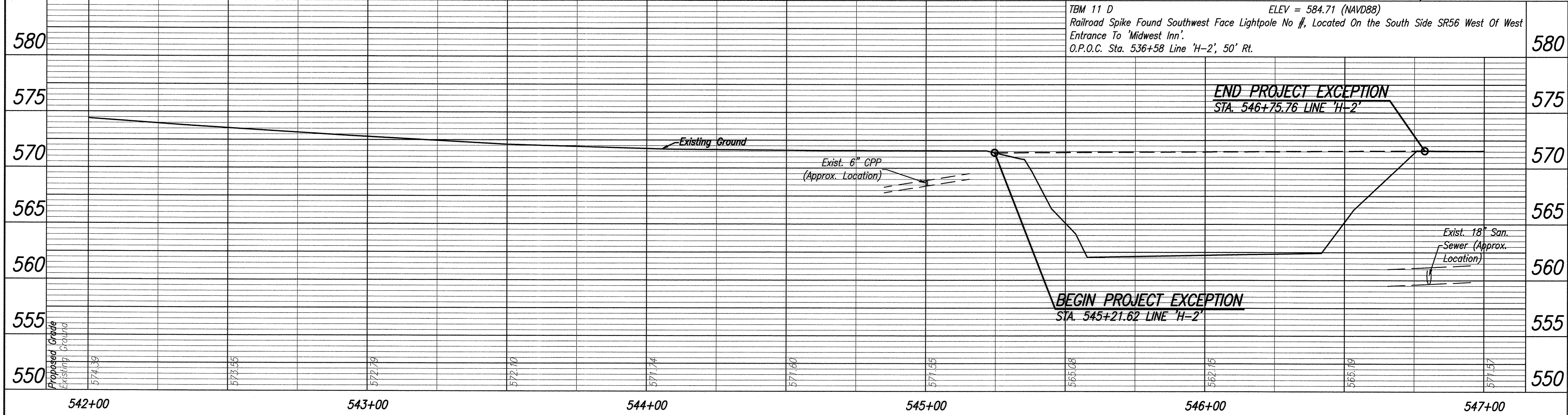
END PROJECT EXCEPTION  
STA. 546+75.76 LINE 'H-2'

NOTES  
1. Milling/Scarification And Resurfacing Limits  
Shall Match Existing Shoulder Widths.

TRINKLE, DENNIS R. AND JUDITH R.

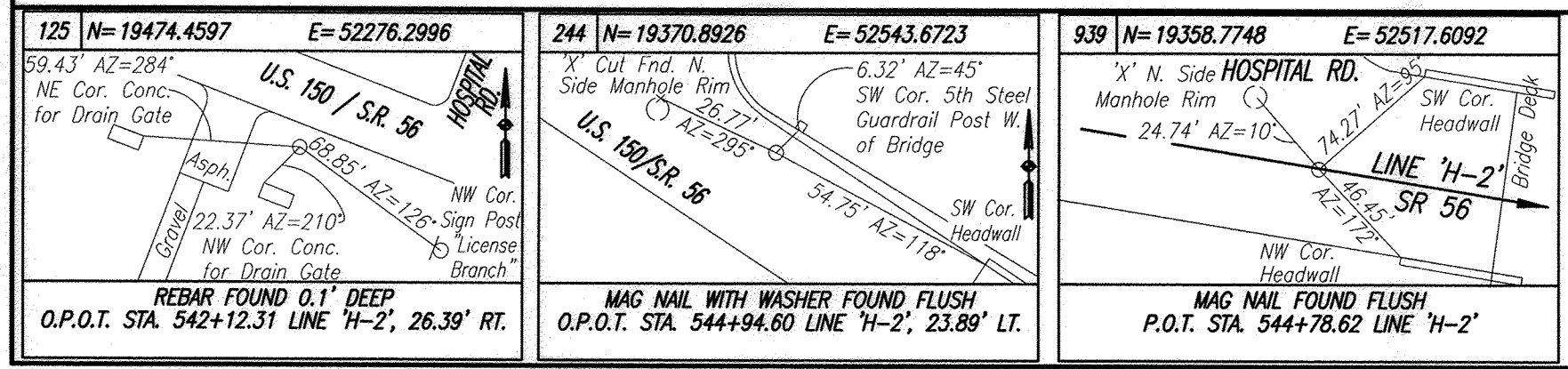
BENDER VERNALL, LLC

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



LEGEND

- (BB) Use In Place
- (B) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (M) Milling, Scarification/Profile
- (M2) Milling, Asphalt, 1.5"
- (T) Milling, Transition



RECOMMENDED FOR APPROVAL	<i>R. M. Smith</i>	DATE	4-20-15
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	32 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr 08, 2015, 7:49:08 AM User: J. Smith File: M:\PROJECTS\0811272015\0811272015.dwg Model: Tab: Plan Set





552

553

554

555

556

557

SEC. 35, T2N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

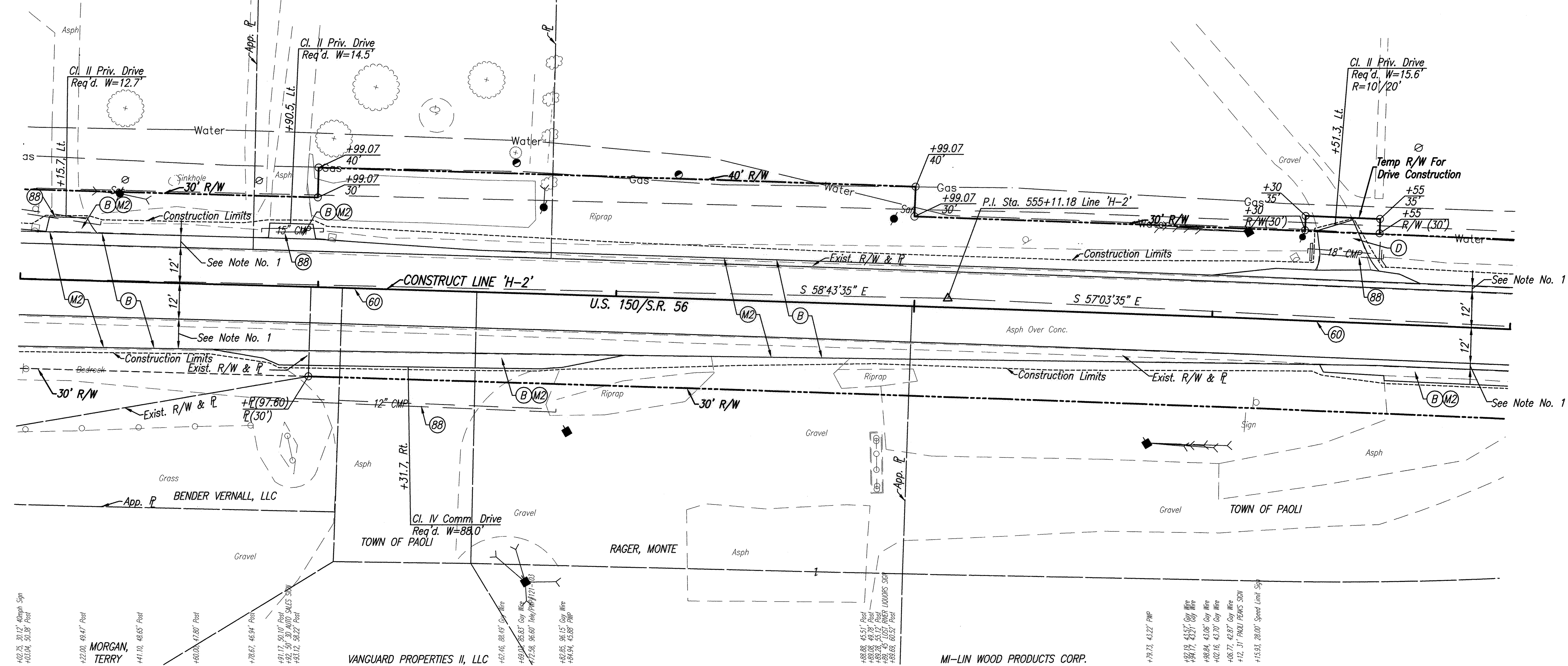
WELLMAN, KENNETH J.  
& MARGARET

SHIPMAN,  
BRIAN E. & DIANA

CALZADA, FRANCISCO S. & SILVIA

WELLMAN, KENNETH J.  
& MARGARET

SHIPMAN,  
BRIAN E. & DIANA

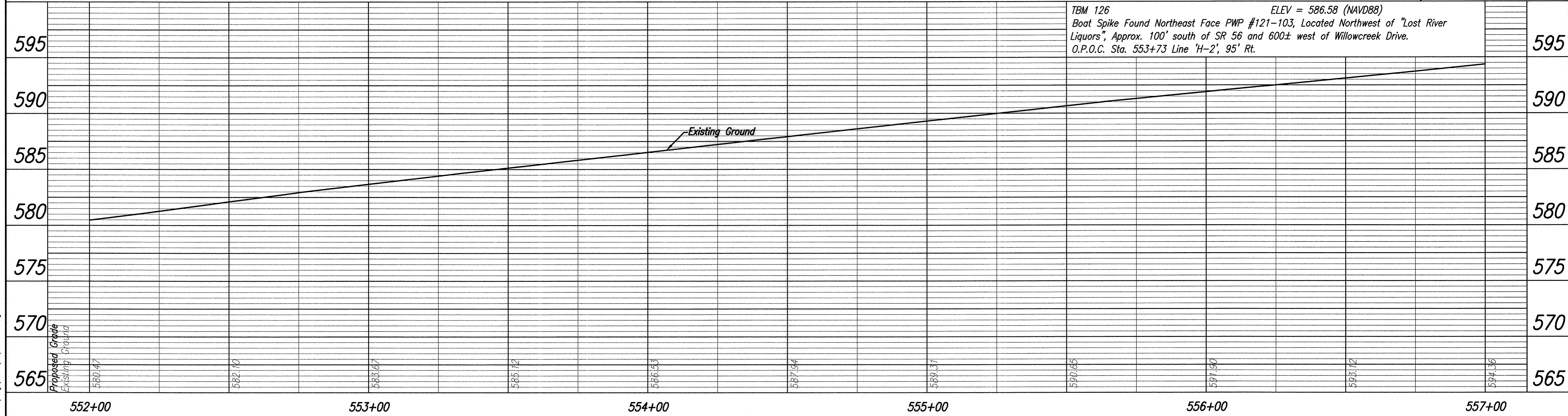


**CURVE DATA**  
P.I. Sta. 555+11.18 Line 'H-2'

Δ =	1° 40' 00" Rt.
R =	28648.07'
T =	416.70'
L =	833.34'
E =	3.03'
SE =	NC

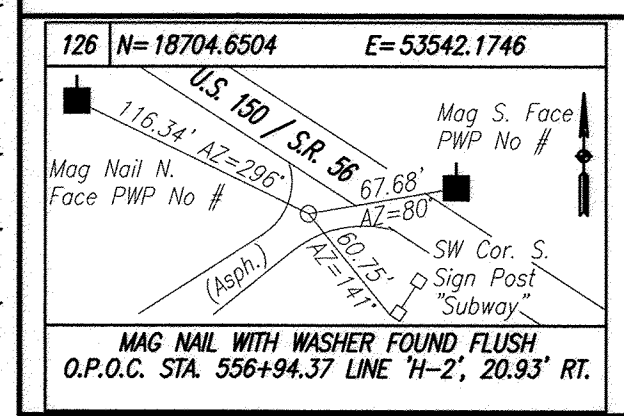
**NOTES**  
1. Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(60)	Milled Corrugations (For Locations, See Table, Sheet No. 3)
(88)	Use In Place
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(D)	HMA For Approaches, Type B, To Be: (165#/SYD HMA Surface, Type B, On 385#/SYD HMA Intermediate, Type B), On Subgrade Treatment, Type II
(M2)	Milling, Asphalt, 1.5"



RECOMMENDED FOR APPROVAL: *Rmk* 4-28-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
PLAN AND PROFILE  
LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
1" = 5'	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	34 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr. 28, 2015, 7:50am User: ID: vcastylew File: \\P:\03\0861\2\15012015\Plan\Plan\0710980.dwg Model: Tab: Plan Set

557

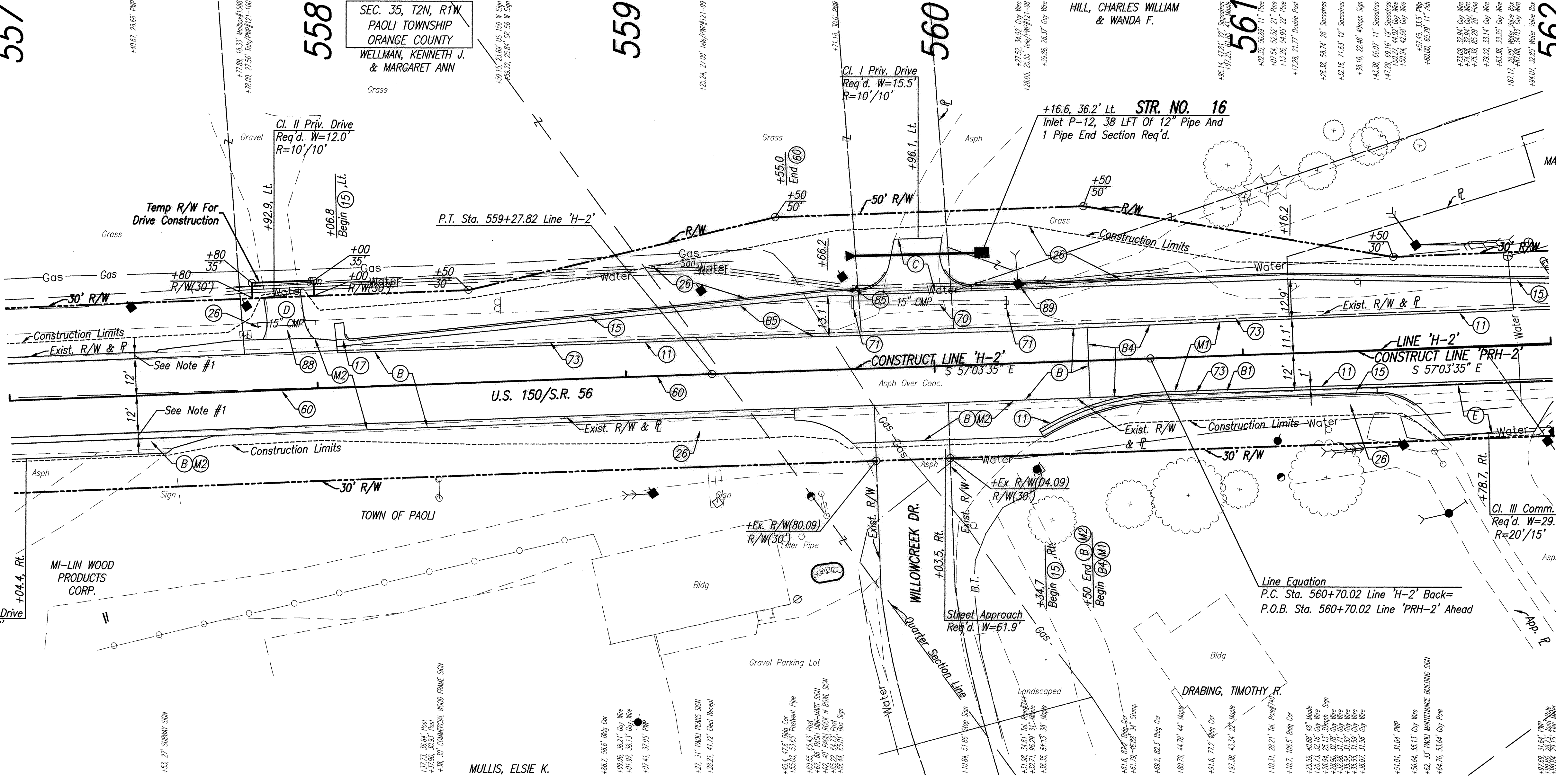
558

559

560

561

562

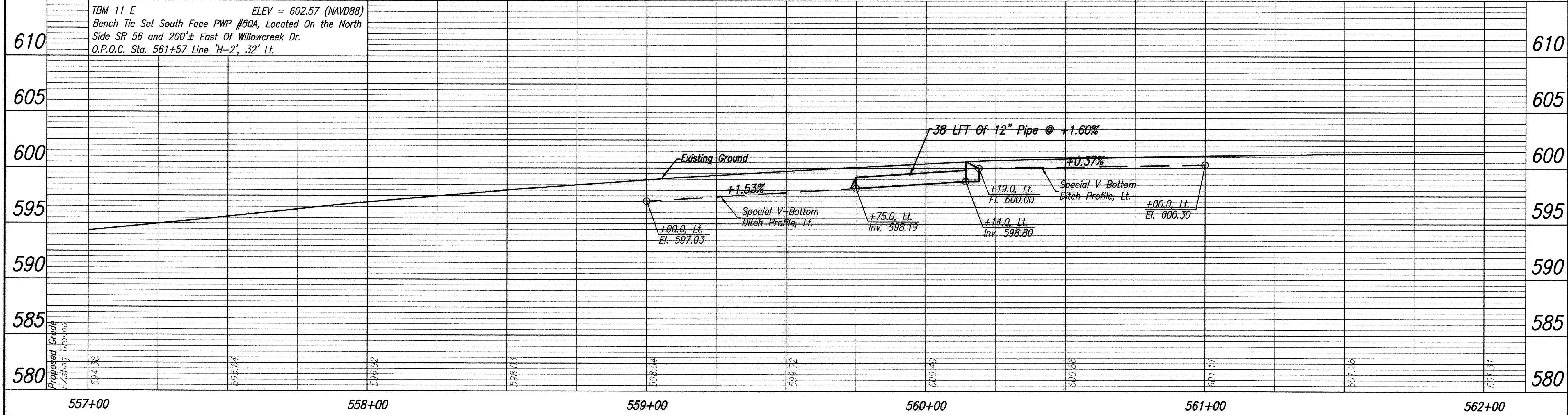


CRESTWOOD MANUFACTURING, INC.

TOWN OF PAOLI

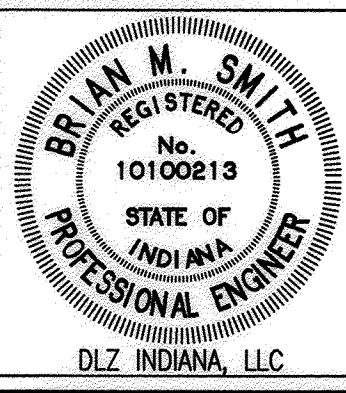
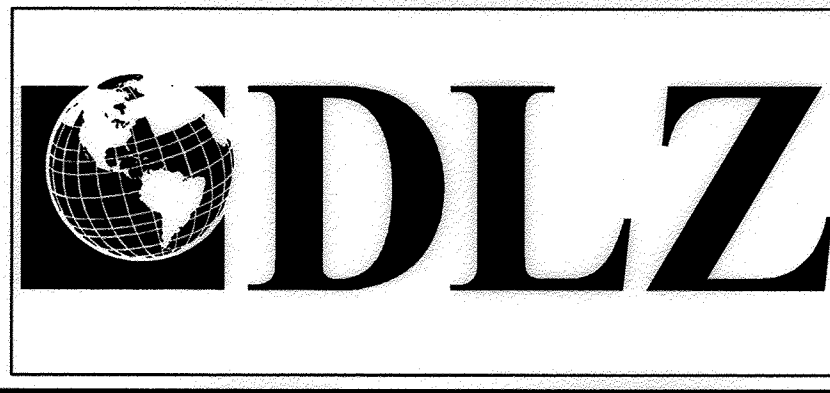
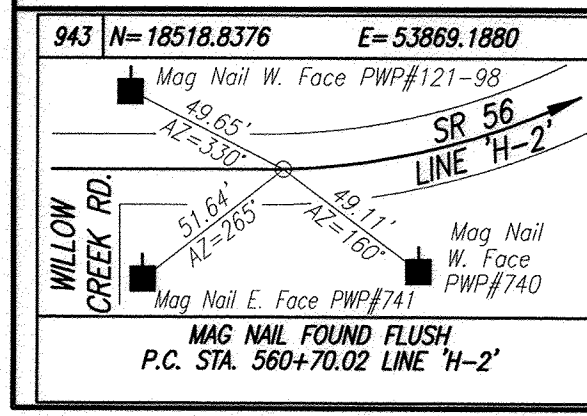
- NOTES**
- Milling/Scarification And Resurfacing Limits Shall Match Existing Shoulder Widths.
  - Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(17)	Combined Concrete Curb And Gutter Turnout, Modified
(26)	Sodding, Nursery
(60)	Milled Corrugations (For Locations, See Table, Sheet No. 3)
(70)	Remove
(71)	Headwall, Remove
(73)	Pavement, Remove
(85)	Water Valve, Adjust Casting To Grade
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(B5)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Min. 770#/SYD QC/QA-HMA, 3, 64, Base, 19.0 mm, On Subgrade Treatment, Type IC
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(D)	HMA For Approaches, Type B, To Be: (165#/SYD HMA Surface, Type B, On 385#/SYD HMA Intermediate, Type B), On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(M)	Milling, Asphalt (See Note Above)
(M2)	Milling, Asphalt, 1.5"
(T)	Milling, Transition



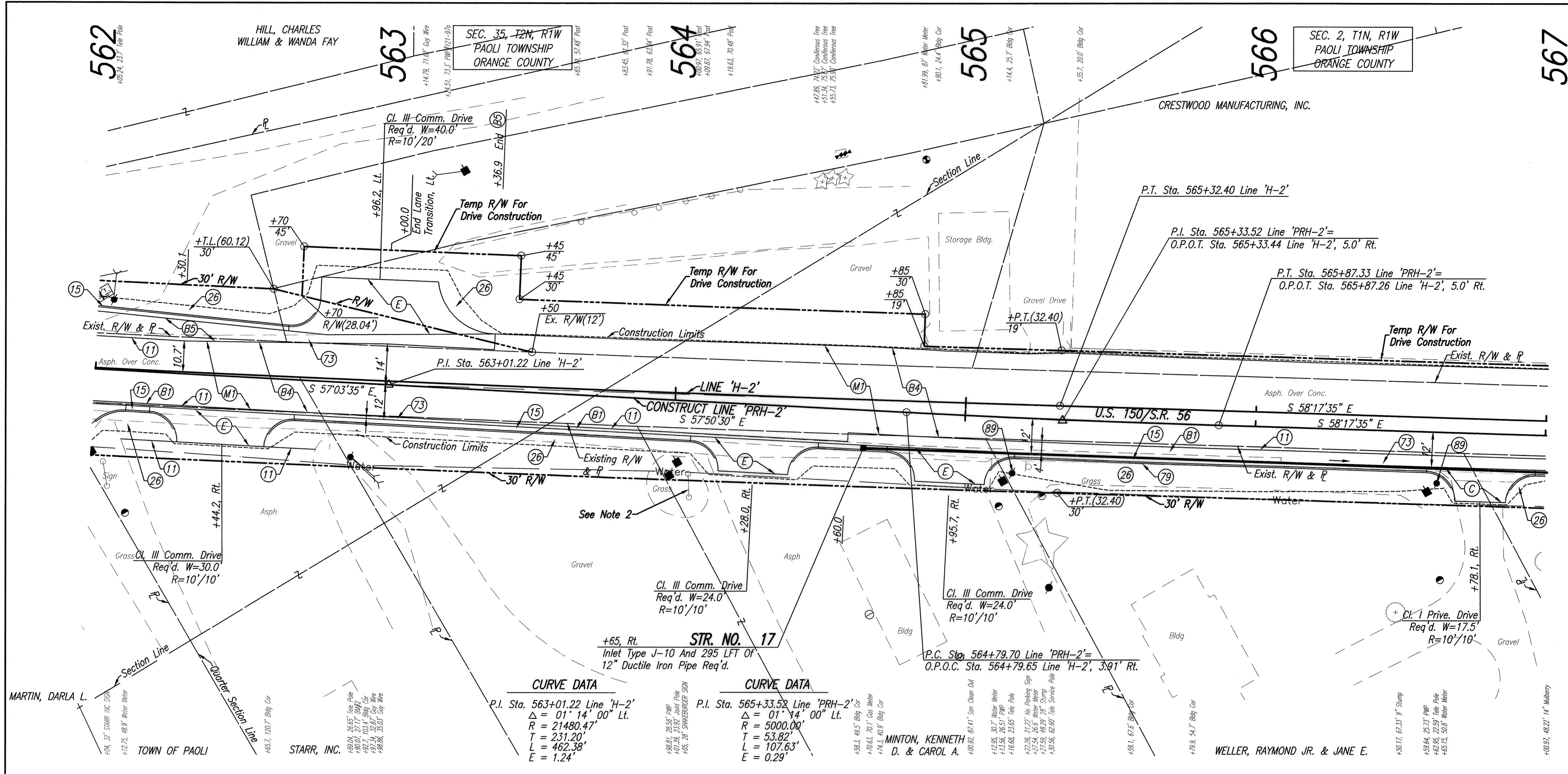
RECOMMENDED FOR APPROVAL: *B.M.S.* 4-28-15  
DESIGN ENGINEER DATE

DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
PLAN AND PROFILE  
LINE 'H-2' AND LINE 'PRH-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	35 of 158
CONTRACT	PROJECT
R-31710	0710(980)

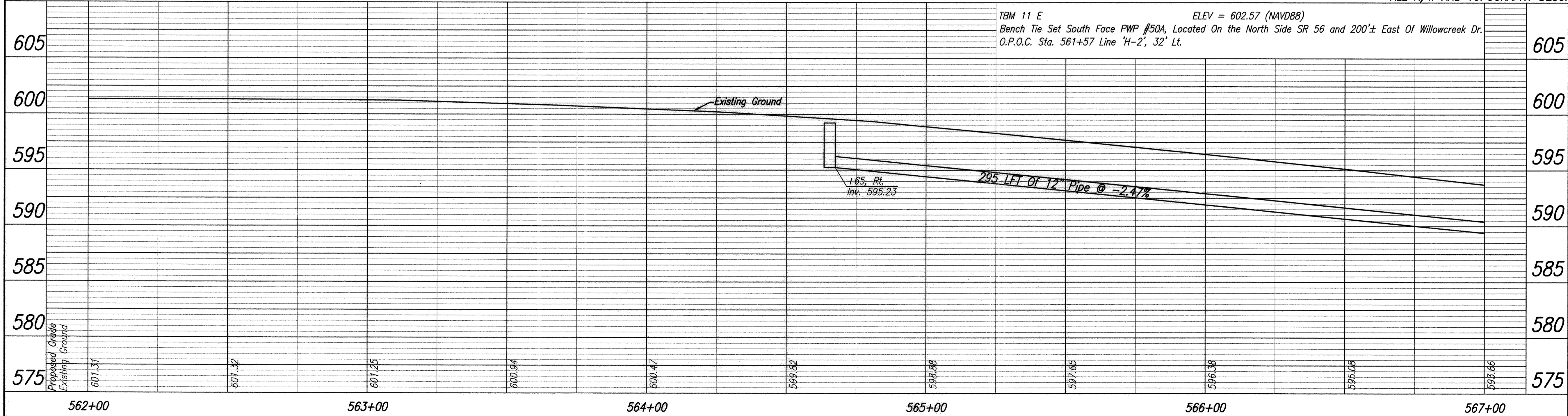
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NICHOLSON, SHANE E.

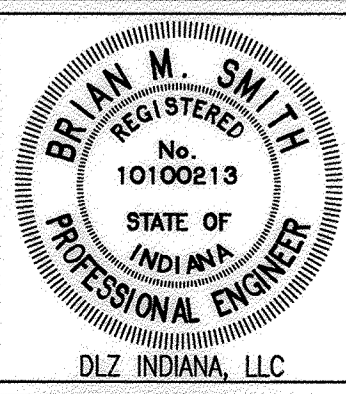
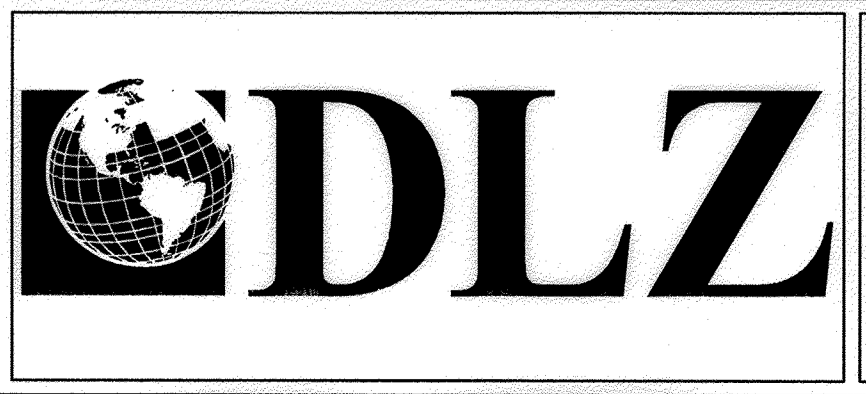
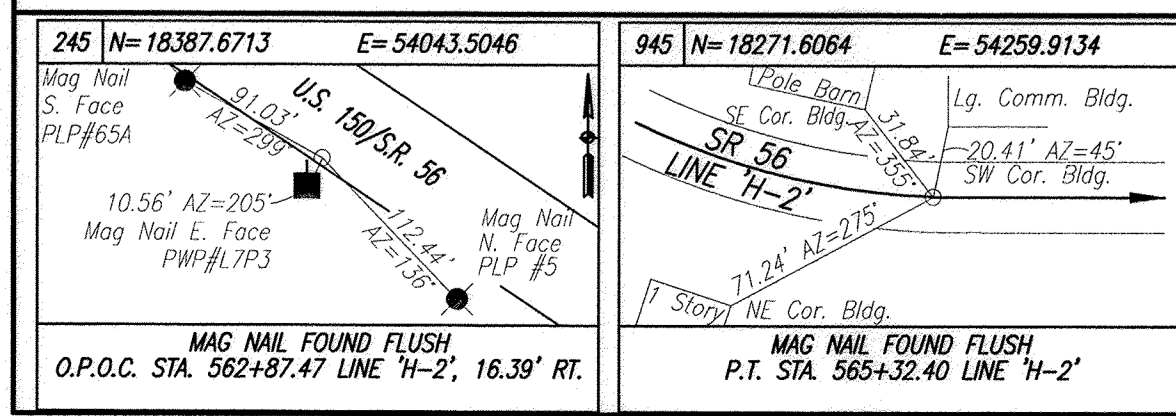
- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Remove Sign, Taking Care To Not Damage It, And Place It Next To Shakeburger Building.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(73)	Pavement, Remove
(79)	Curb, Remove
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(B5)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Min. 770#/SYD QC/QA-HMA, 3, 64, Base, 19.0 mm, On Subgrade Treatment, Type IC
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(J)	6" Compacted Aggregate, No. 53, Base
(M)	Milling, Asphalt (See Note Above)



RECOMMENDED FOR APPROVAL: *B. Smith* 5-4-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'H-2' AND LINE 'PRH-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
	1" = 5'
SURVEY BOOK	SHEETS
ELECTRONIC	36 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: May 04, 2015, 3:14 PM, User: ID: akshayk, File: I:\PROJECTS\0681\27200\_2015\civil\Utility\SR56\_Rop10001.dwg Model Tab: Plan Set

567

CRESTWOOD MANUFACTURING, INC.

568

569

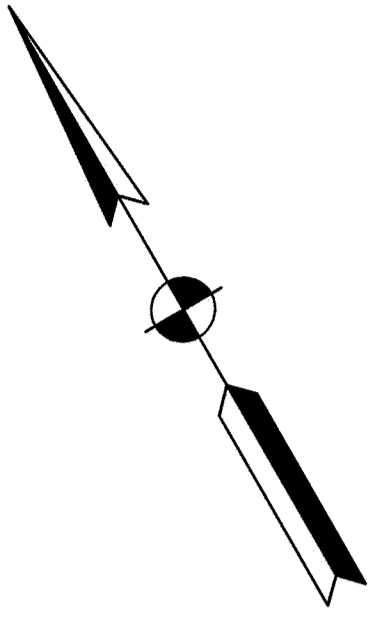
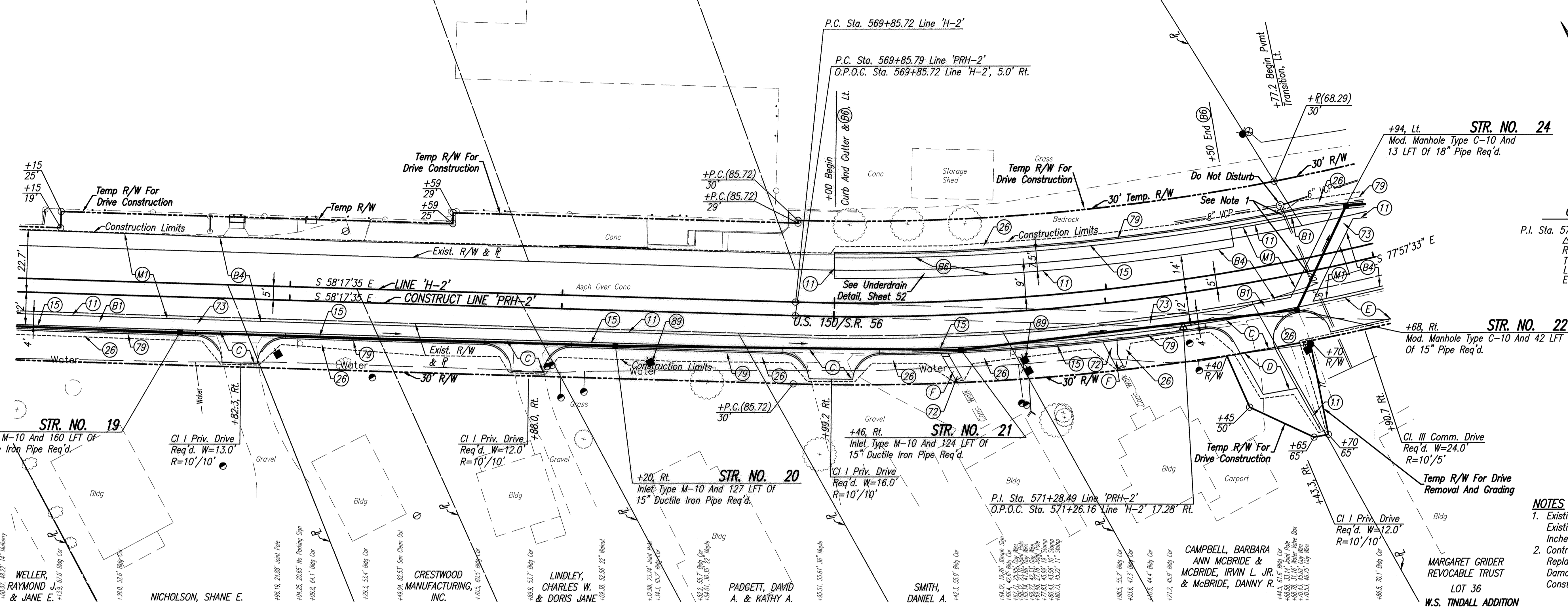
570

571

572

SEC. 2, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

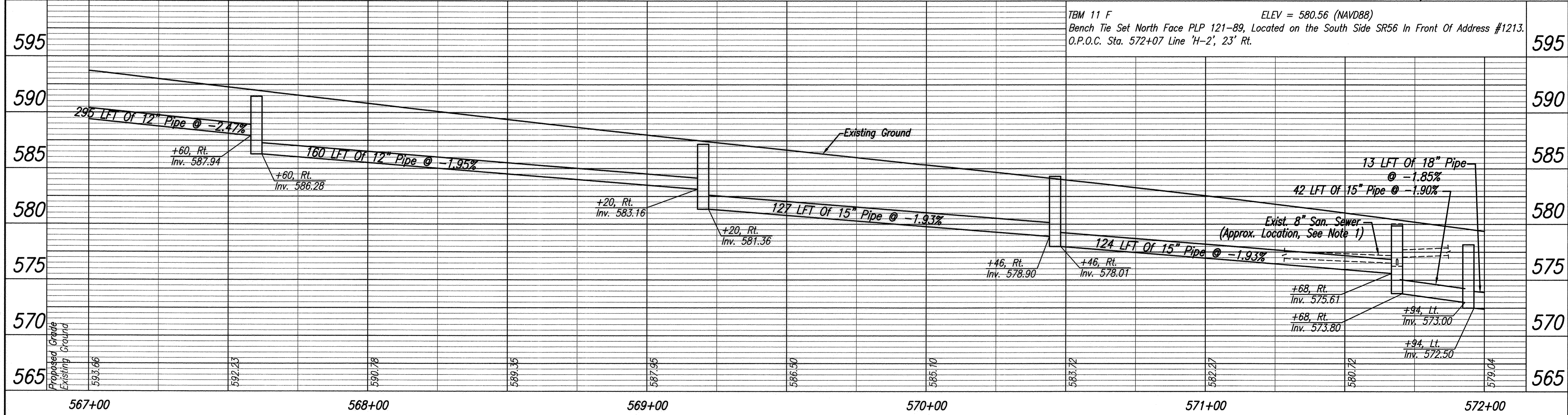
TOWN OF PAOLI



**CURVE DATA**  
 P.I. Sta. 571+28.49 Line 'PRH-2'  
 $\Delta = 19^\circ 39' 58''$  Lt.  
 $R = 823.34'$   
 $T = 142.70'$   
 $L = 282.60'$   
 $E = 12.28'$

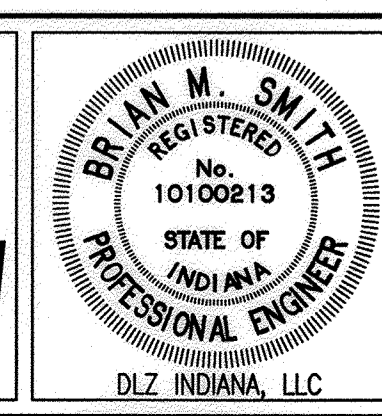
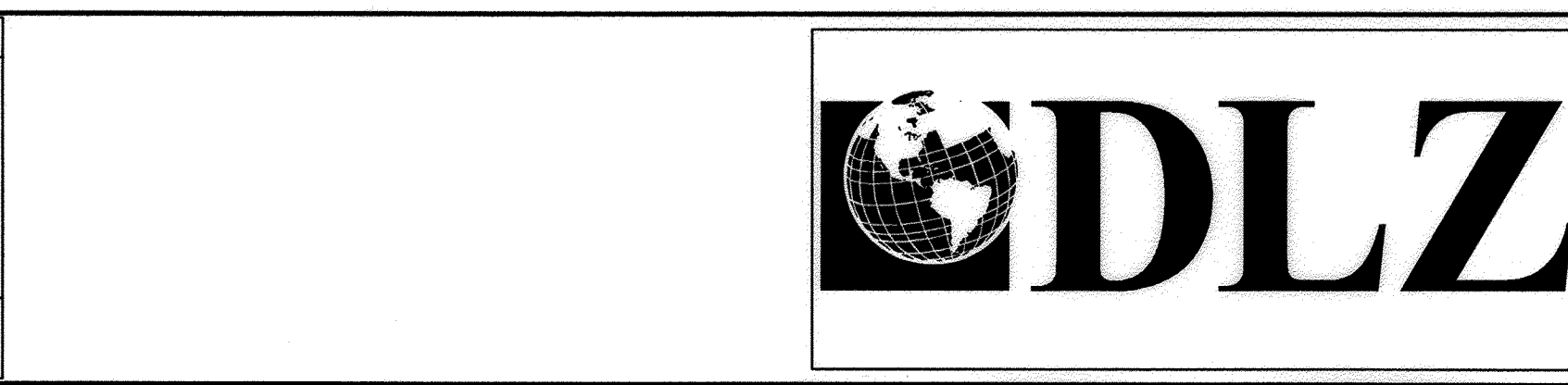
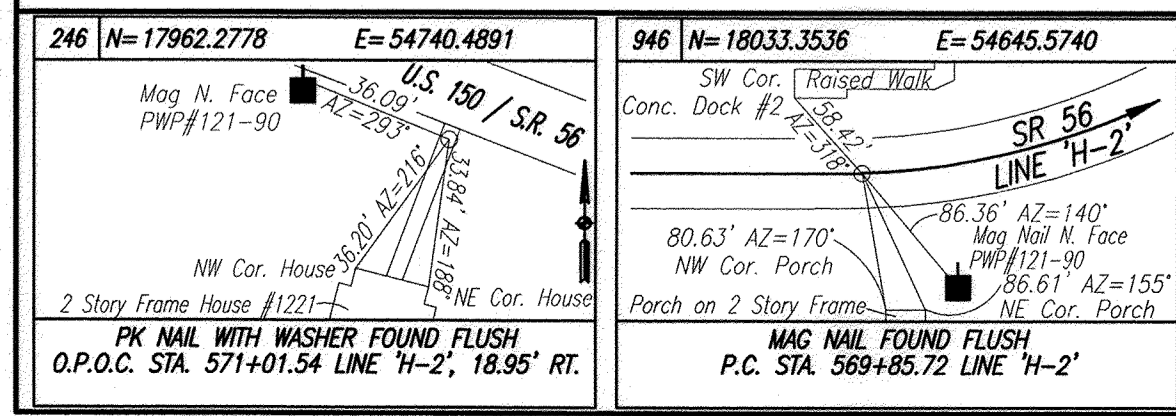
- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(1) Sawcut	(79) Curb, Remove
(15) Combined Concrete Curb And Gutter, Modified	(88) Use In Place
(26) Sodding, Nursery	
(72) Sidewalk, Remove	
(73) Pavement, Remove	
(B) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm	
(B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC	
(B4) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm	
(B6) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Min. 770#/SYD QC/QA-HMA, 3, 64, Base, 19.0 mm, On 6" Compacted Aggregate, No. 53, Base, On 6" Aggregate For Underdrains	
(C) PCCP For Approaches, 6", On Subgrade Treatment, Type II	
(D) HMA For Approaches, Type B, To Be: (165#/SYD HMA Surface, Type B, On 385#/SYD HMA Intermediate, Type B), On Subgrade Treatment, Type II	
(E) PCCP For Approaches, 9", On Subgrade Treatment, Type II	
(F) Concrete Sidewalk, 4"	
(M) Milling, Asphalt (See Note Above)	



RECOMMENDED FOR APPROVAL: *BML* 4-28-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAN AND PROFILE  
 LINE 'PRH-2' AND LINE 'H-2'

HORIZONTAL SCALE 1" = 20'	DESIGNATION 0710980
VERTICAL SCALE 1" = 5'	SURVEY BOOK R-31710
SURVEY BOOK R-31710	SHEETS 37 of 158
CONTRACT R-31710	PROJECT 0710(980)

Date: Apr 08, 2015, 7:51 PM User: ID: wscvsh File: I:\P201\0815\2750\2015\CON\Wscvsh.dwg Model Tab: Plan Set

572

**CURVE DATA**  
 P.I. Sta. 572+22.92 Line 'H-2'  
 $\Delta = 32^\circ 19' 45''$  Lt.  
 $R = 818.34'$   
 $L = 237.20'$   
 $T = 461.75'$   
 $E = 33.68'$

573

TOWN OF PAOLI  
**CURVE DATA**  
 P.I. Sta. 573+46.06 Line 'PRH-2'  
 $\Delta = 12^\circ 39' 47''$  Lt.  
 $R = 700.00'$   
 $L = 77.67'$   
 $T = 154.71'$   
 $E = 4.30'$

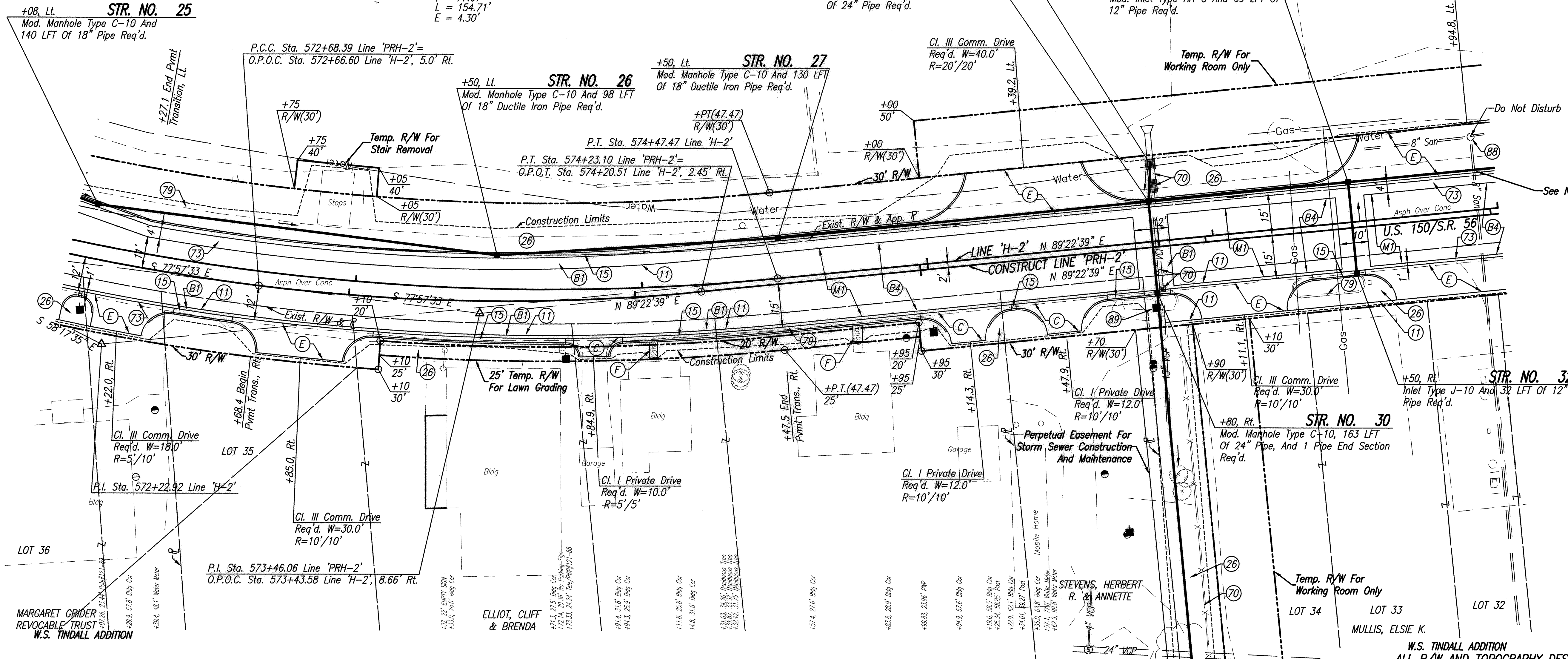
574

575

576

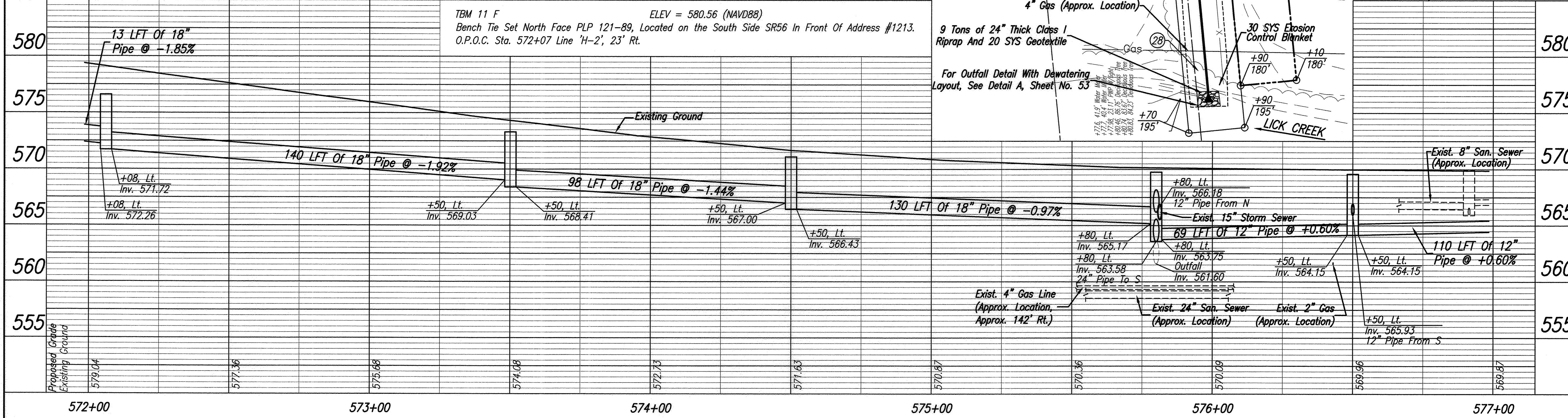
577

SEC. 2, T1N, R1W  
 PAOLI TOWNSHIP  
 ORANGE COUNTY



- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

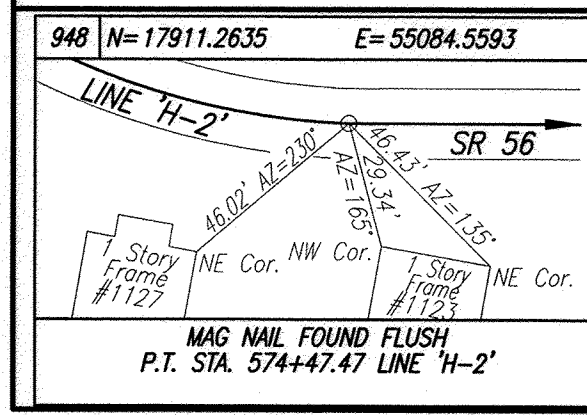
W.S. TINDALL ADDITION  
 ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(28)	Mulched Seeding, B
(70)	Remove
(73)	Pavement, Remove
(79)	Curb, Remove
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(F)	Concrete Sidewalk, 4"
(M)	Milling, Asphalt (See Note Above)

Date: Apr 28, 2015, 7:55pm User: D:\csh\kyle Files: M:\PROJ\0861\7230\2015\civil\dwg\948\948.dwg Model: Top: Plan Set



948	N=17911.2635	E=55084.5593

**DLZ**

BRIAN M. SMITH  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF INDIANA  
 No. 10100213  
 DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	<i>Kmb</i>	4-20-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 LINE 'PRH-2' AND LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	38 OF 158
ELECTRONIC	PROJECT
CONTRACT	0710(980)
R-31710	

577

TOWN OF PAOLI

578

579

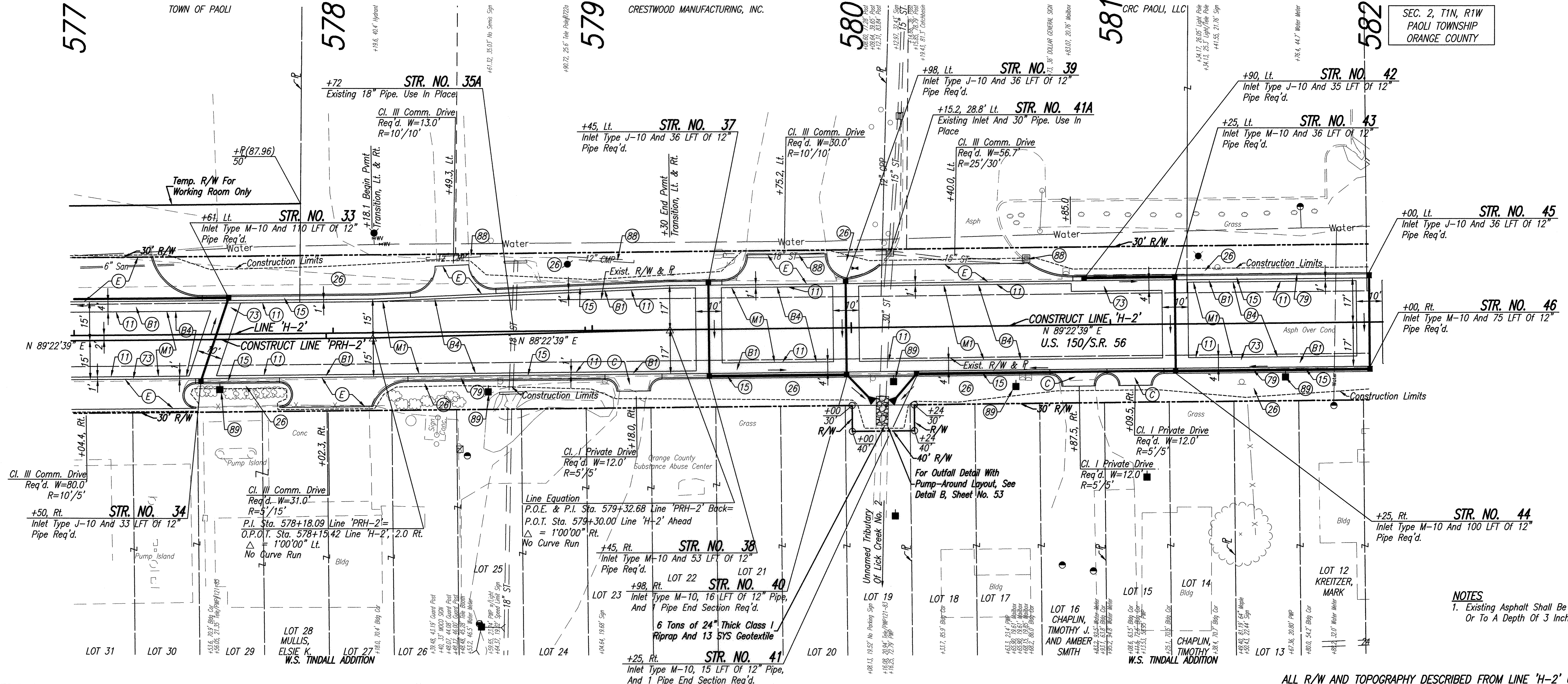
CRESTWOOD MANUFACTURING, INC.

580

581

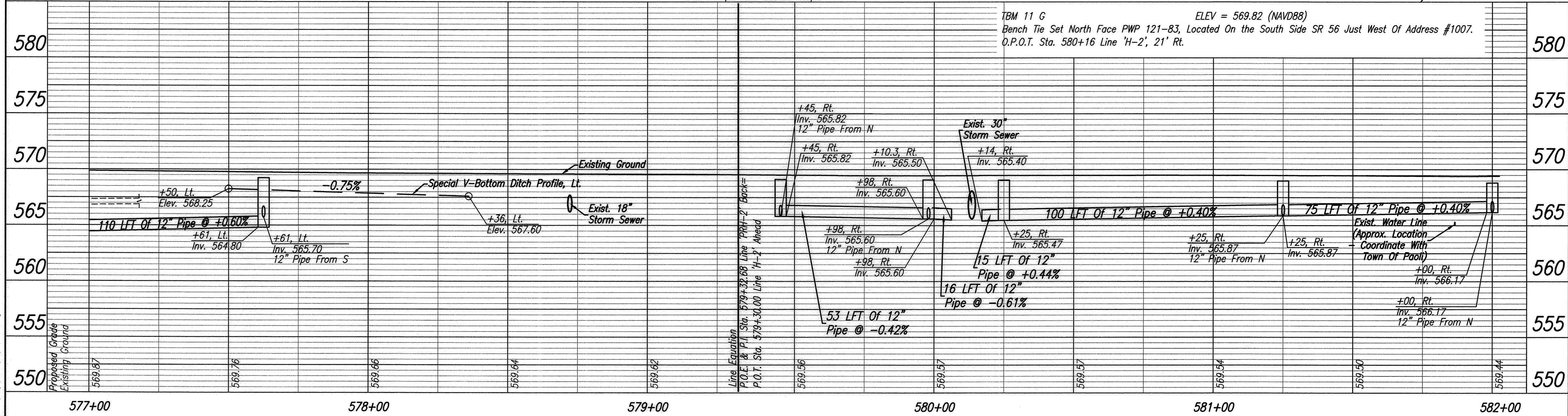
582

SEC. 2, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY



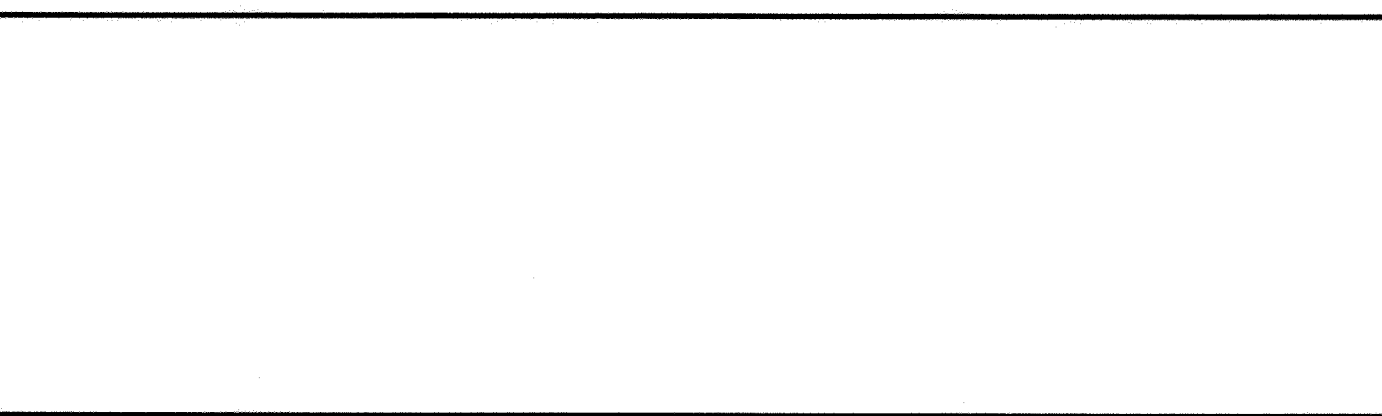
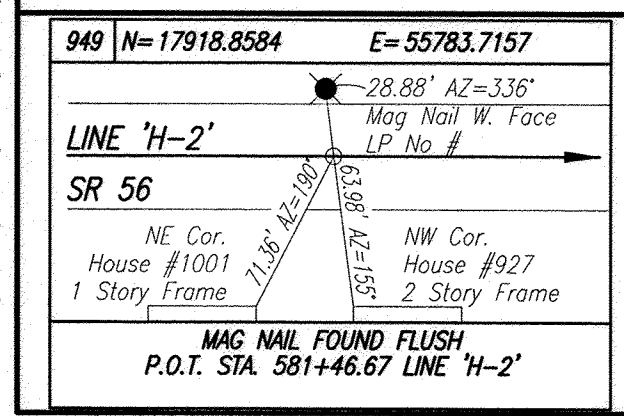
- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



**LEGEND**

(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(73)	Pavement, Remove
(79)	Curb, Remove
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(M)	Milling, Asphalt (See Note Above)



RECOMMENDED FOR APPROVAL *Bml* 4-28-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

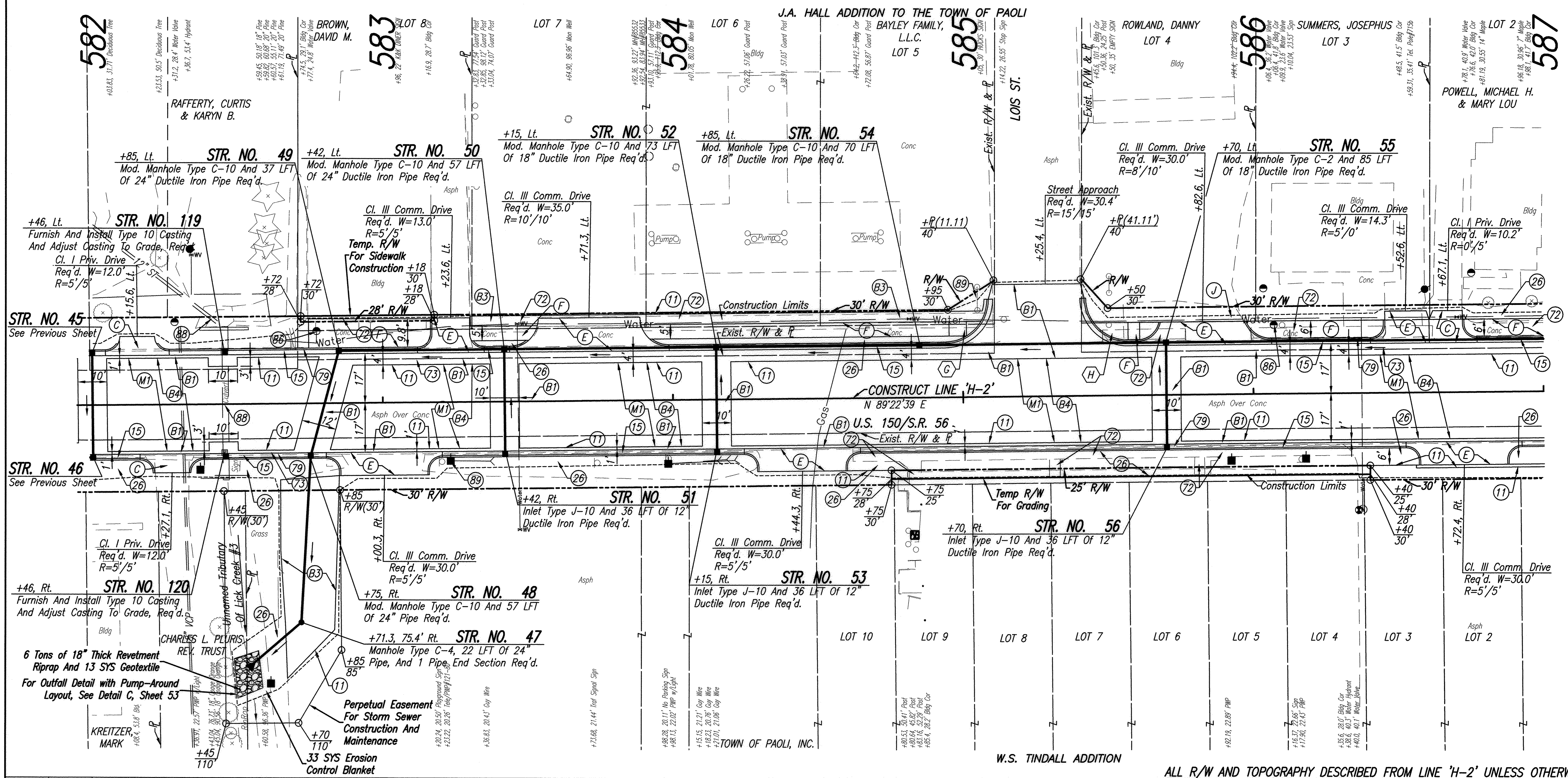
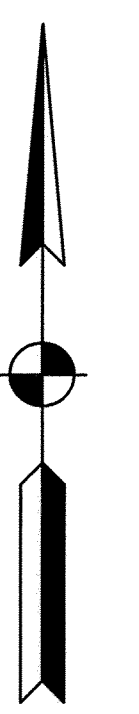
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'PRH-2' AND LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	39 OF 158
ELECTRONIC	PROJECT
CONTRACT	R-31710
SHEETS	0710(980)

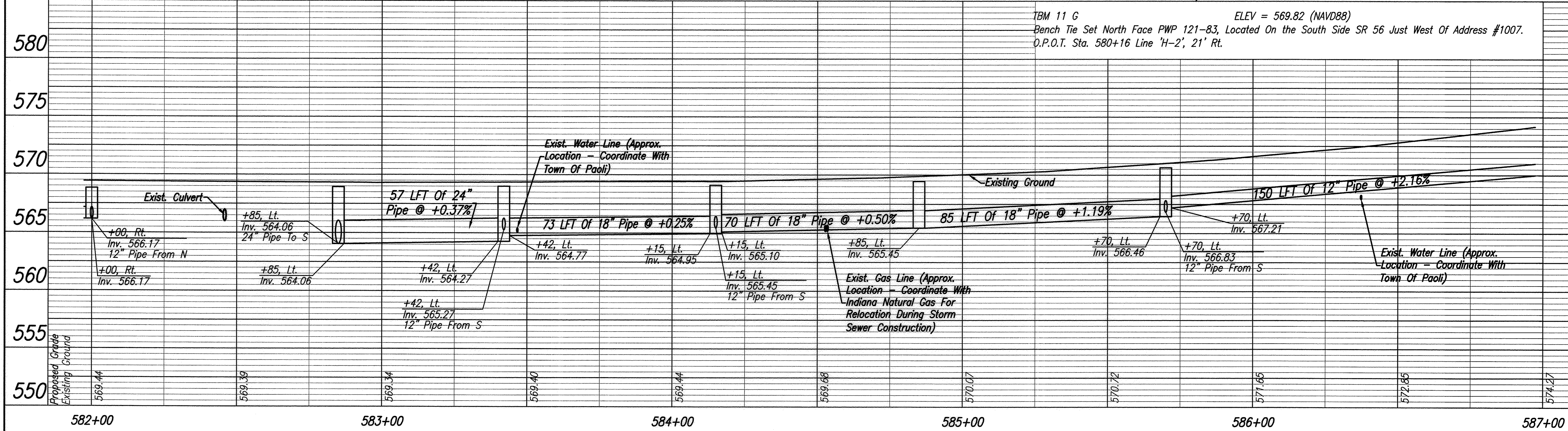
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 Plot No. #  
 NE Cor. House #1001 1 Story Frame  
 NW Cor. House #927 2 Story Frame  
 MAG NAIL FOUND FLUSH  
 P.O.T. STA. 581+46.67 LINE 'H-2'

SEC. 2, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

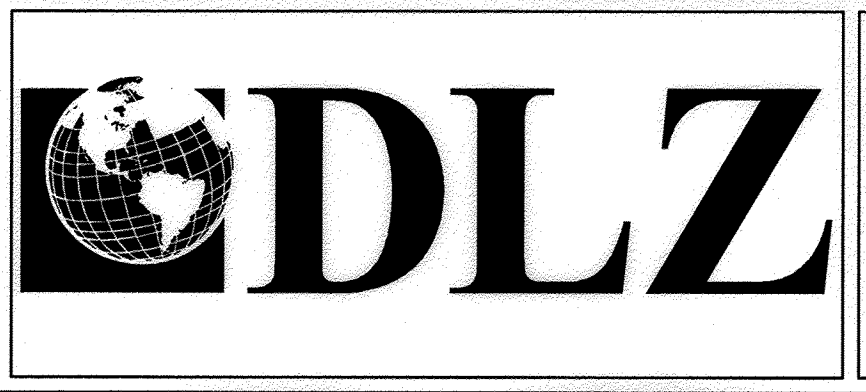


**NOTES**  
1. Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.

LEGEND	
(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(72)	Sidewalk, Remove
(73)	Pavement, Remove
(79)	Curb, Remove
(86)	Adjust Casting To Grade (By Others)
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B3)	HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B), On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(F)	Concrete Sidewalk, 4"
(J)	6" Compacted Aggregate, No. 53, Base
(M)	Milling, Asphalt (See Note Above)
(G)	Concrete Curb Ramp, Type 'G'
(H)	Concrete Curb Ramp, Type 'H'



Date: Apr 28, 2015, 7:57am, User: D:\work\dlz\15042015\15042015.dwg, Model: Tab: Plan Set

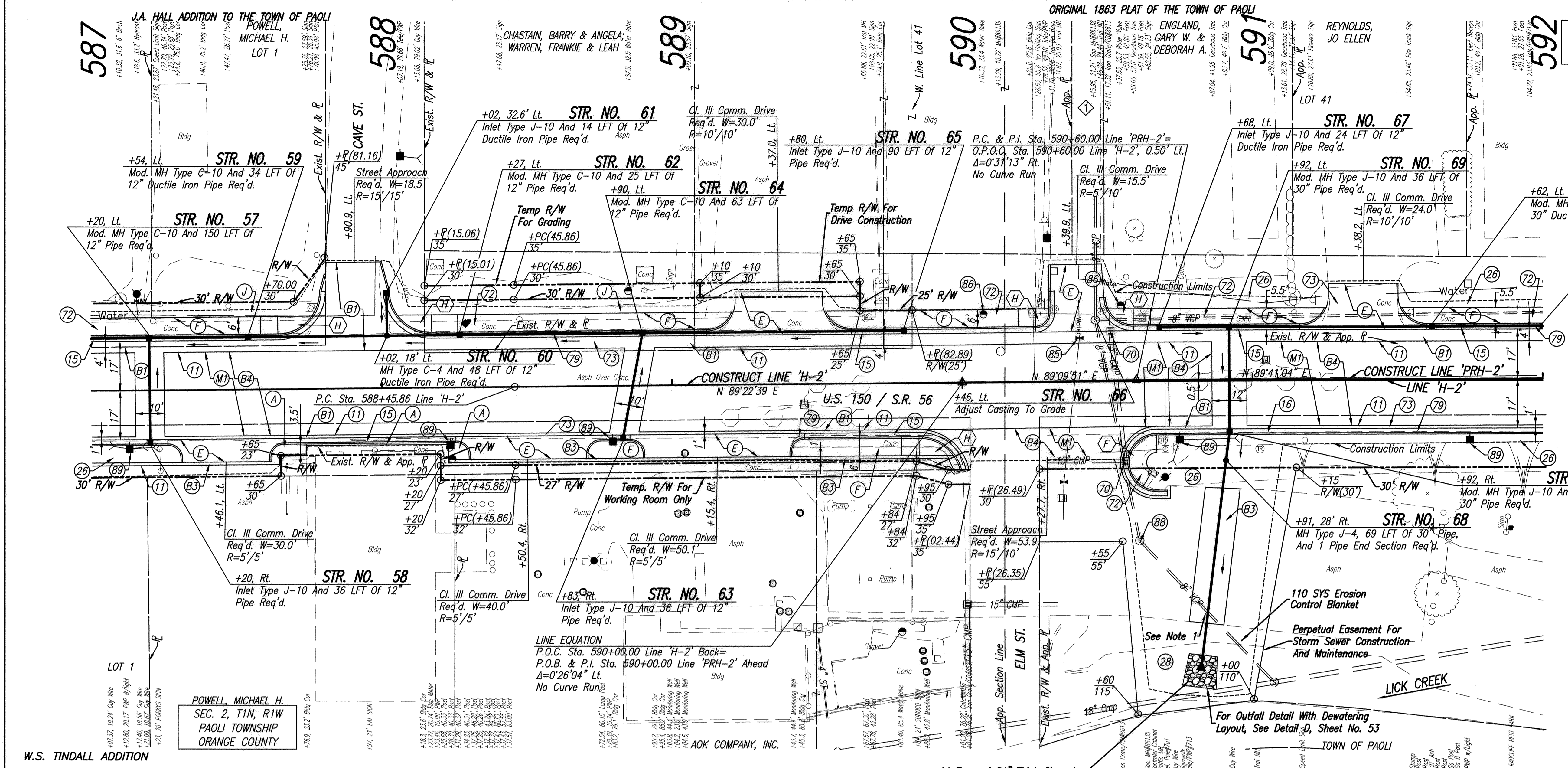
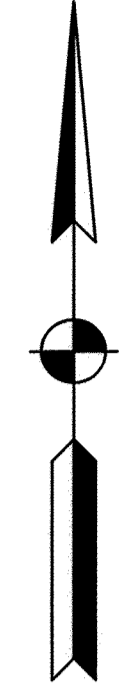


RECOMMENDED FOR APPROVAL	<i>B. Smith</i>	DATE	4-28-15
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
PLAN AND PROFILE  
LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	40 of 158
ELECTRONIC	PROJECT
CONTRACT	0710(980)



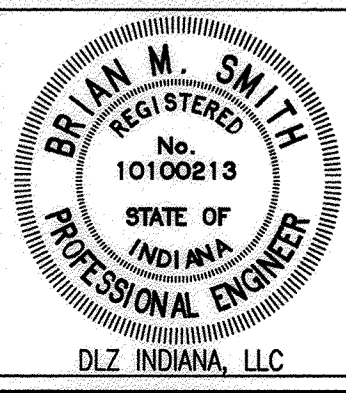
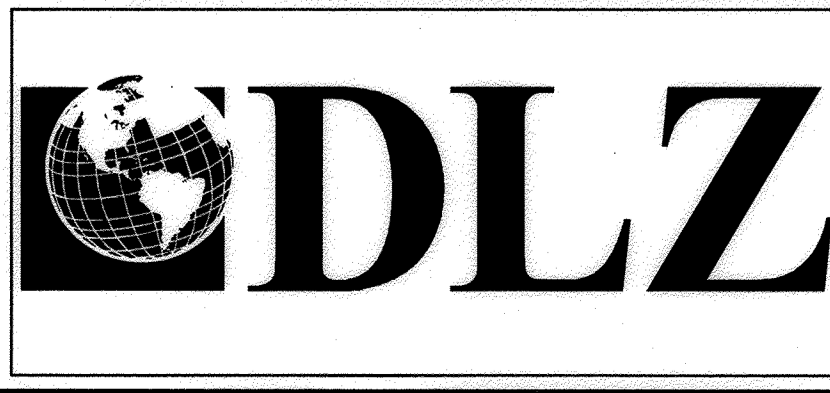
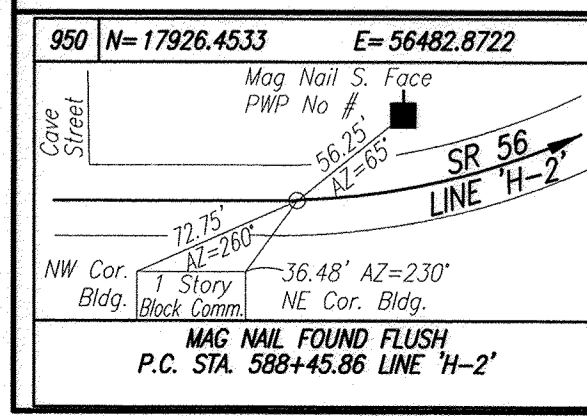
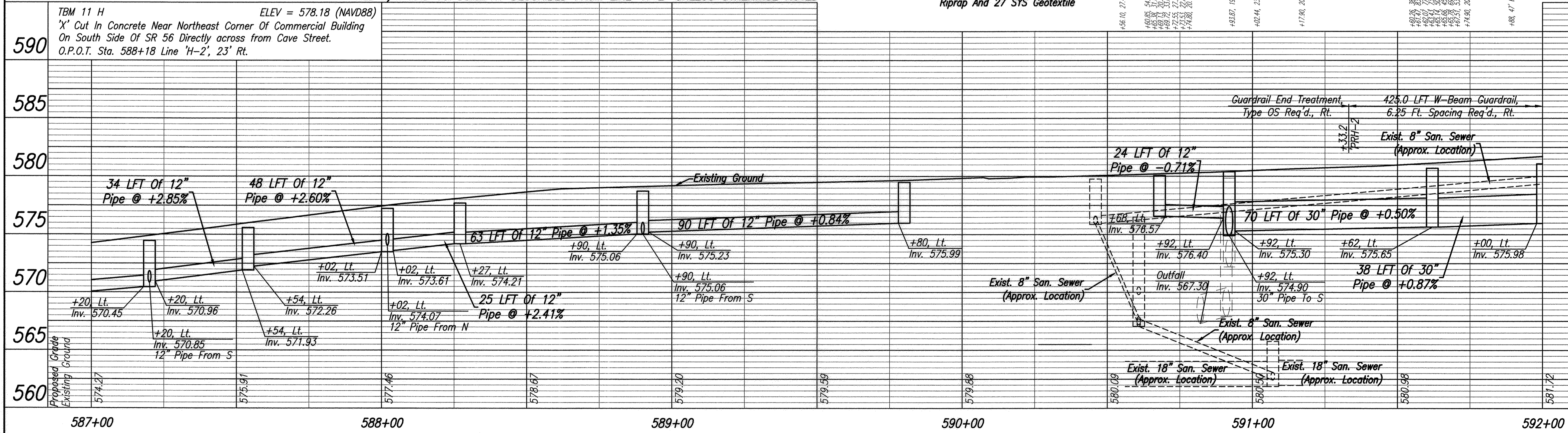


- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

**LEGEND**

(1)	Sawcut
(2)	Concrete Curb
(3)	Combined Concrete Curb And Gutter, Modified
(4)	Combined Concrete Curb And Gutter, Type B, Modified
(5)	Sodding, Nursery
(6)	Mulched Seeding, B
(7)	Remove
(8)	Sidewalk, Remove
(9)	Pavement, Remove
(10)	Curb, Remove
(11)	Water Valve, Adjust Casting To Grade
(12)	Adjust Casting To Grade (By Others)
(13)	Use In Place
(14)	Relocate (By Others)
(A)	PCCP, 4"
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(C)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Subgrade Treatment, Type IC
(D)	HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B), On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
(E)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(F)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(G)	6" Compacted Aggregate, No. 53, Base
(H)	Milling, Asphalt (See Note Above)
(I)	Concrete Curb Ramp, Type 'H'
(J)	UNDIV. 1/2 INTEREST TO BARRY & ANGELA CHASTAIN AND FRANKIE & LEAH WARREN

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



RECOMMENDED FOR APPROVAL *B. Smith* 4-28-15  
DESIGN ENGINEER DATE

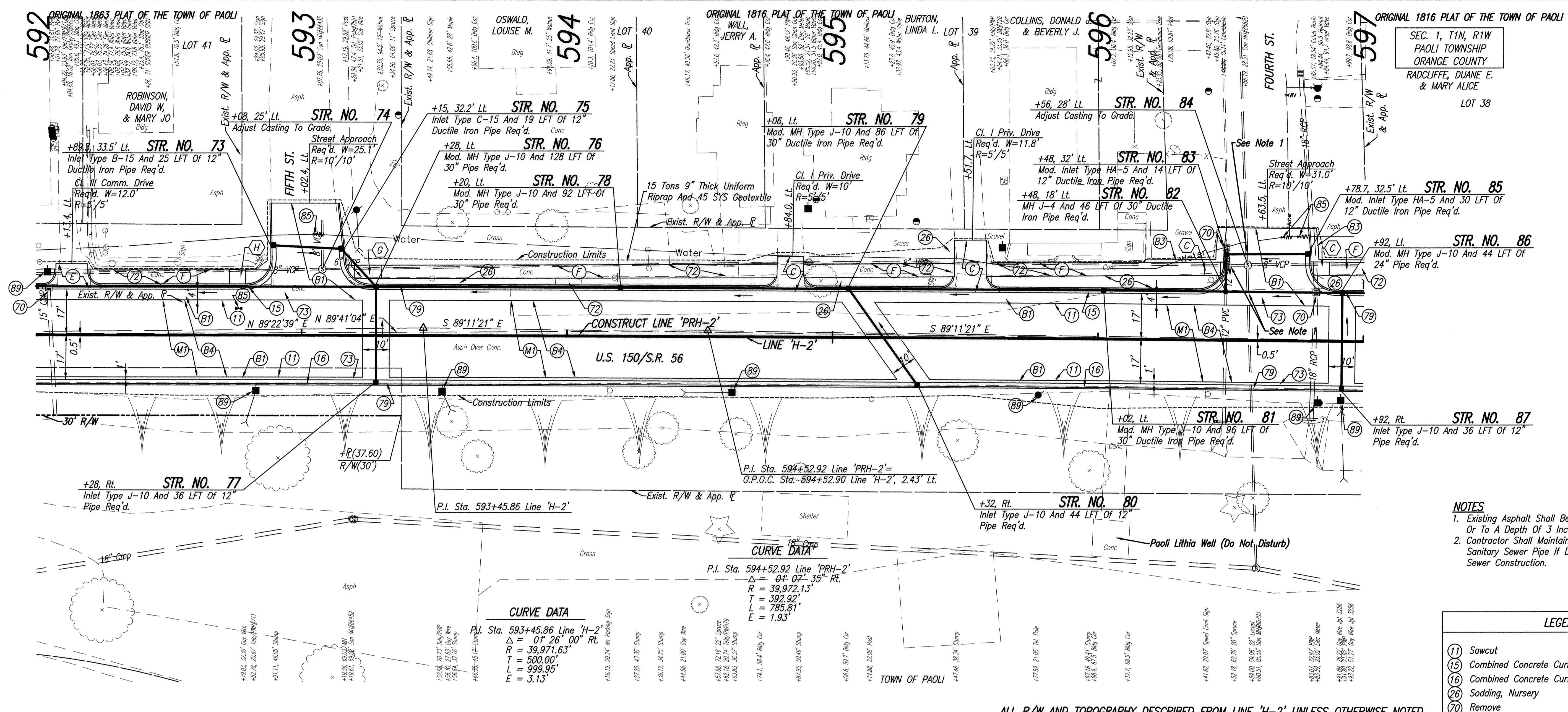
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CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'H-2' AND LINE 'PRH-2'

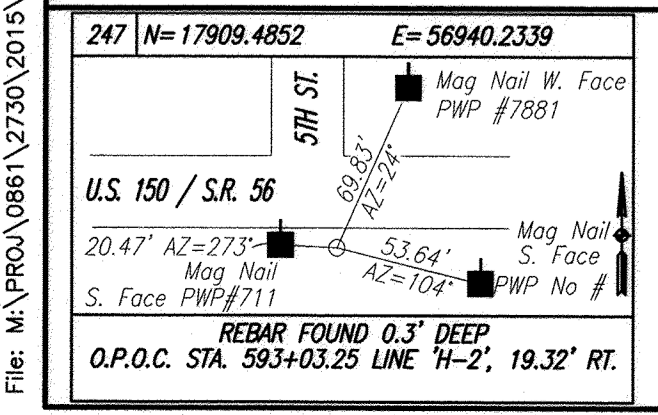
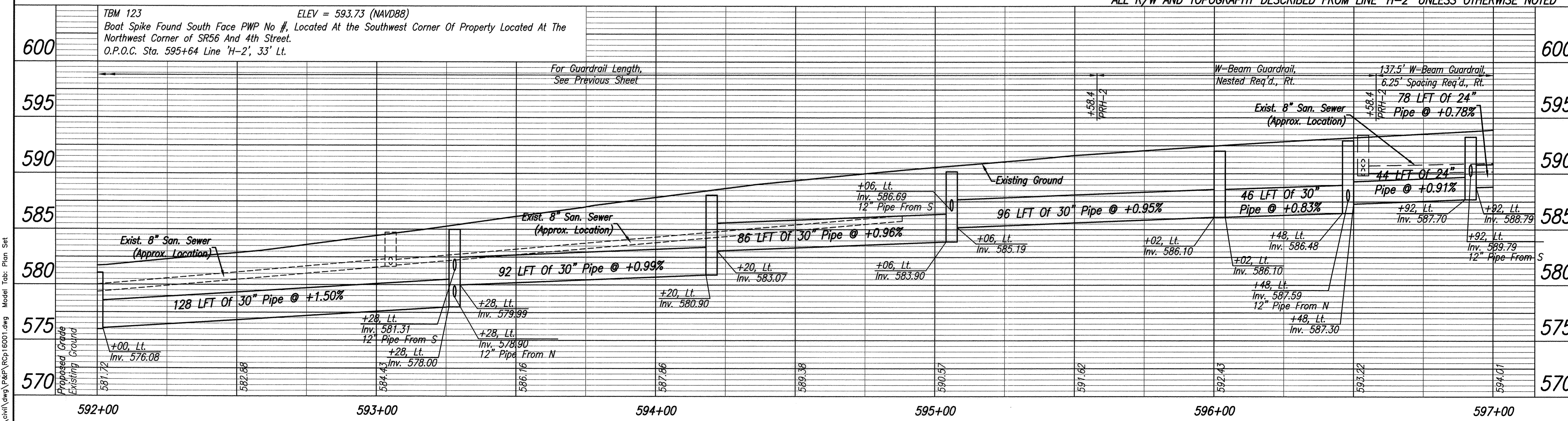
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VERTICAL SCALE	DESIGNATION
	1" = 5'
SURVEY BOOK	SHEETS
ELECTRONIC	41 of 158
CONTRACT	PROJECT
R-31710	0710(980)

DATE: APR 28, 2015, 7:58 AM. USER: B. SMITH. LIBRARY: I:\Projects\2015\PAOLI\DWG\20150428\20150428.dwg Model Tab: Plan Set

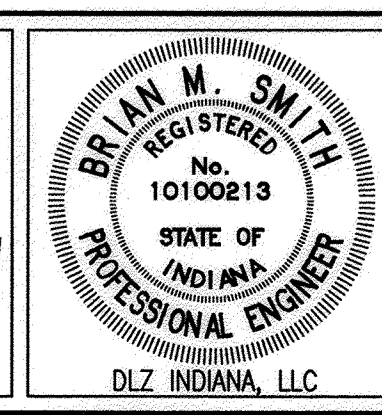
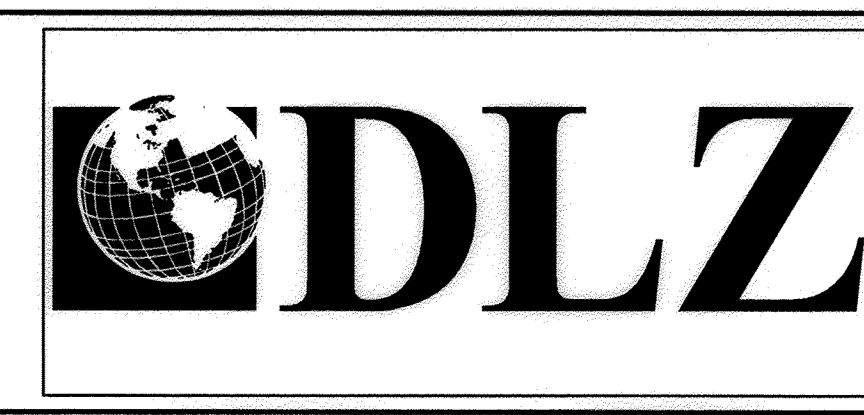


- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

LEGEND	
(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(16)	Combined Concrete Curb And Gutter, Type B, Modified
(26)	Sodding, Nursery
(70)	Remove
(72)	Sidewalk, Remove
(73)	Pavement, Remove
(79)	Curb, Remove
(85)	Water Valve, Adjust Casting To Grade
(88)	Use In Place
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
(B3)	HMA Patching, Type B, To Be: 165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B, On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(F)	Concrete Sidewalk, 4"
(M)	Milling, Asphalt (See Note Above)
(C)	Concrete Curb Ramp, Type 'C'
(G)	Concrete Curb Ramp, Type 'G'
(H)	Concrete Curb Ramp, Type 'H'



247	N= 17909.4852	E= 56940.2339
Mag Nail W. Face PWP #7881		
Mag Nail S. Face PWP #7881		
Mag Nail N. Face PWP #7881		
Mag Nail E. Face PWP #7881		
REBAR FOUND 0.3" DEEP		
O.P.O.C. STA. 593+03.25 LINE 'H-2', 19.32' RT.		



RECOMMENDED FOR APPROVAL	<i>B. M. Smith</i>	4-28-15	
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE 'PRH-2'**

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	R-31710
SHEETS	42 OF 158
PROJECT	0710(980)

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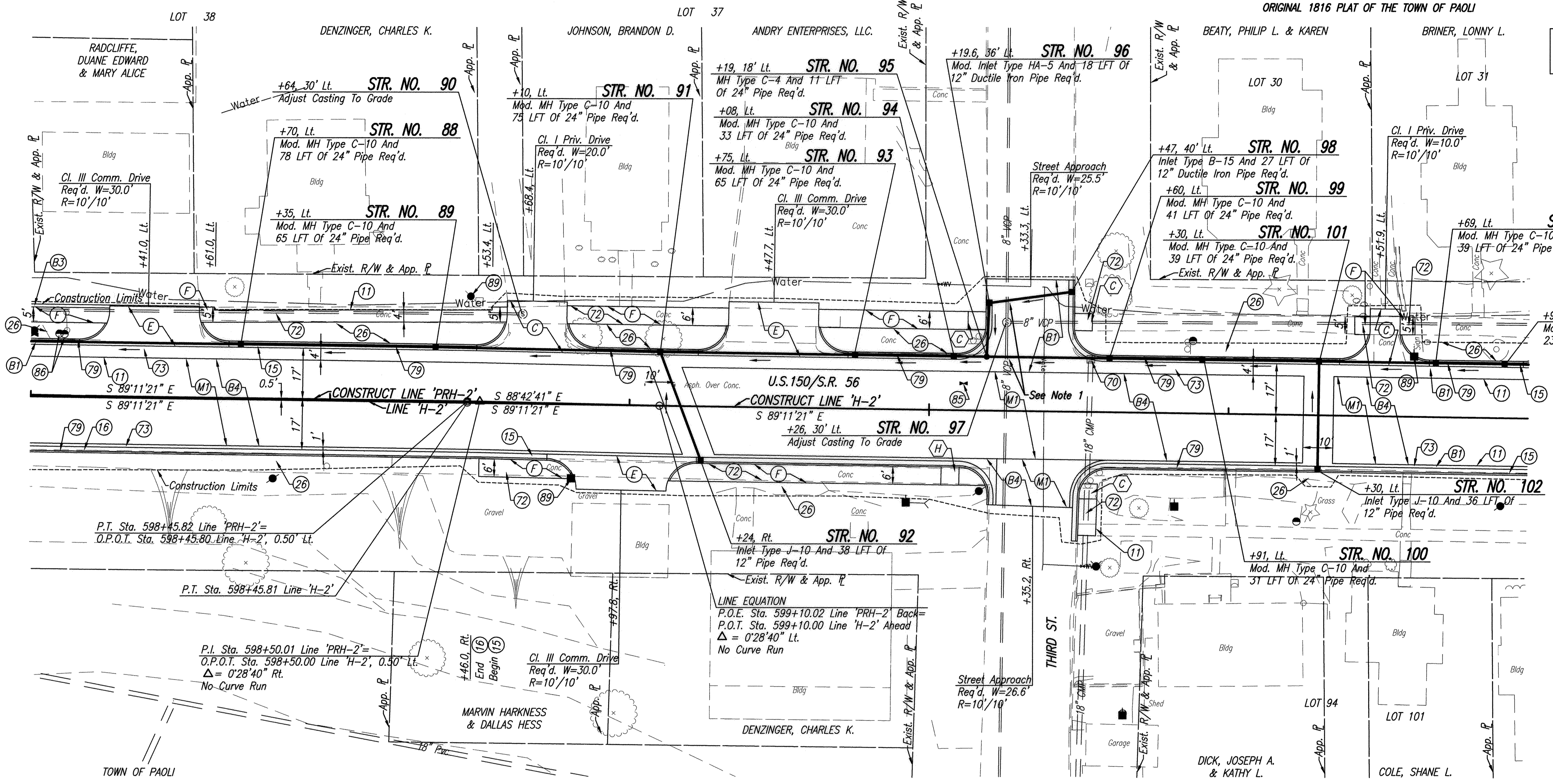
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597  
 +03.1, 61.9' Bldg Cor  
 +03.1, 61.9' Bldg Cor  
 +03.1, 61.9' Bldg Cor  
 +03.1, 61.9' Bldg Cor  
 +11.0, 10.8' Meter Hole  
 598  
 +15.7, 51.8' Road  
 +17.1, 56.8' Bldg Cor  
 +46.4, 42.9' Bldg Cor  
 +176.2, 51.6' Bldg Cor  
 +187.67, 11.87' Deciduous Tree  
 +176.2, 51.6' Bldg Cor  
 +88.4, 42.9' Bldg Cor  
 599  
 +49.41, 22.97' 20' Maple  
 +88.4, 51.6' Bldg Cor  
 +11.0, 10.8' Meter Hole  
 +11.0, 10.8' Meter Hole  
 +11.0, 10.8' Meter Hole  
 +11.0, 10.8' Meter Hole  
 600  
 +14.46, 21.17' Spr  
 +16.30, 24.85' Spr  
 +25.57, 26.67' Spr W/10'10"  
 +53.76, 17.6' Iron Conduit/Conc Box 6  
 +53.76, 17.6' Iron Conduit/Conc Box 6  
 +53.76, 17.6' Iron Conduit/Conc Box 6  
 +53.76, 17.6' Iron Conduit/Conc Box 6  
 601  
 +12.4, 55.4' Bldg Cor  
 +16.34, 11.87' Spr  
 +28.6, 62.1' Bldg Cor  
 +40.25, 48.25' Deciduous Tree  
 +46.52, 41.36' Tree  
 +61.73, 20.08' Red/Pink 7'-8'  
 +65.2, 60.8' Bldg Cor  
 +89.2, 56.8' Bldg Cor  
 602  
 +87.08, 48.97' 30' Red  
 +87.08, 48.97' 30' Red  
 +94.1, 51.4' Bldg Cor

ORIGINAL 1816 PLAT OF THE TOWN OF PAOLI

ORIGINAL 1816 PLAT OF THE TOWN OF PAOLI

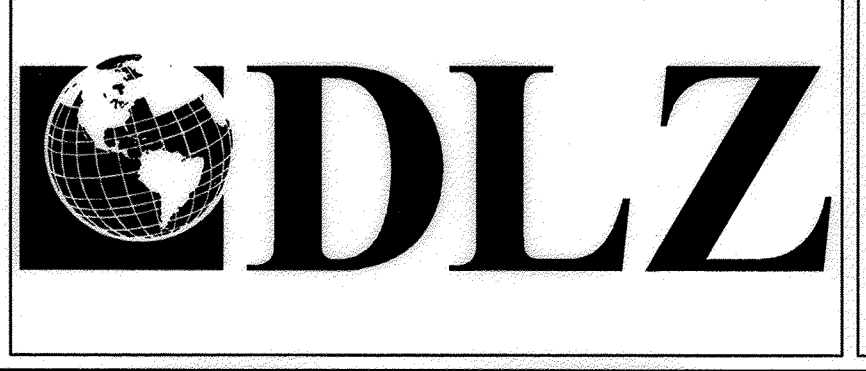
SEC. 1, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY



- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

LEGEND	
(1)	Sawcut
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(70)	Remove
(72)	Sidewalk, Remove
(73)	Pavement, Remove
(79)	Curb, Remove
(85)	Water Valve, Adjust Casting To Grade
(86)	Adjust Casting To Grade (By Others)
(89)	Relocate (By Others)
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Subgrade Treatment, Type IC
(B3)	HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On Subgrade Treatment, Type II 275#/SYD HMA Intermediate, Type B), On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(C)	PCCP For Approaches, 6", On Subgrade Treatment, Type II
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(F)	Concrete Sidewalk, 4"
(M)	Milling, Asphalt (See Note Above)
(C)	Concrete Curb Ramp, Type 'C'
(H)	Concrete Curb Ramp, Type 'H'

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



RECOMMENDED FOR APPROVAL	<i>Bmk</i>	4-28-15	
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN  
LINE 'PRH-2' AND LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	43 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr 28, 2015, 7:59pm User: ID: hachydr File: I:\PROJECTS\0861\23015\Civil\Drawings\23015.dwg Model Tab: Plan Set

602  
#26.8, 26.3 Water Valve  
#41.3, 94.7 Bldg Cor

#26.8, 26.3 Water Valve  
#41.3, 94.7 Bldg Cor

#63.1, 94.8 Bldg Cor  
#72.58, 32.21 San MH  
#82.54, 51.7 41" Manhd

#99.05, 62.2 Water Valve  
#102.36, 80.37 30" Con

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

604  
#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

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#43.17, 58.06 30" Tree

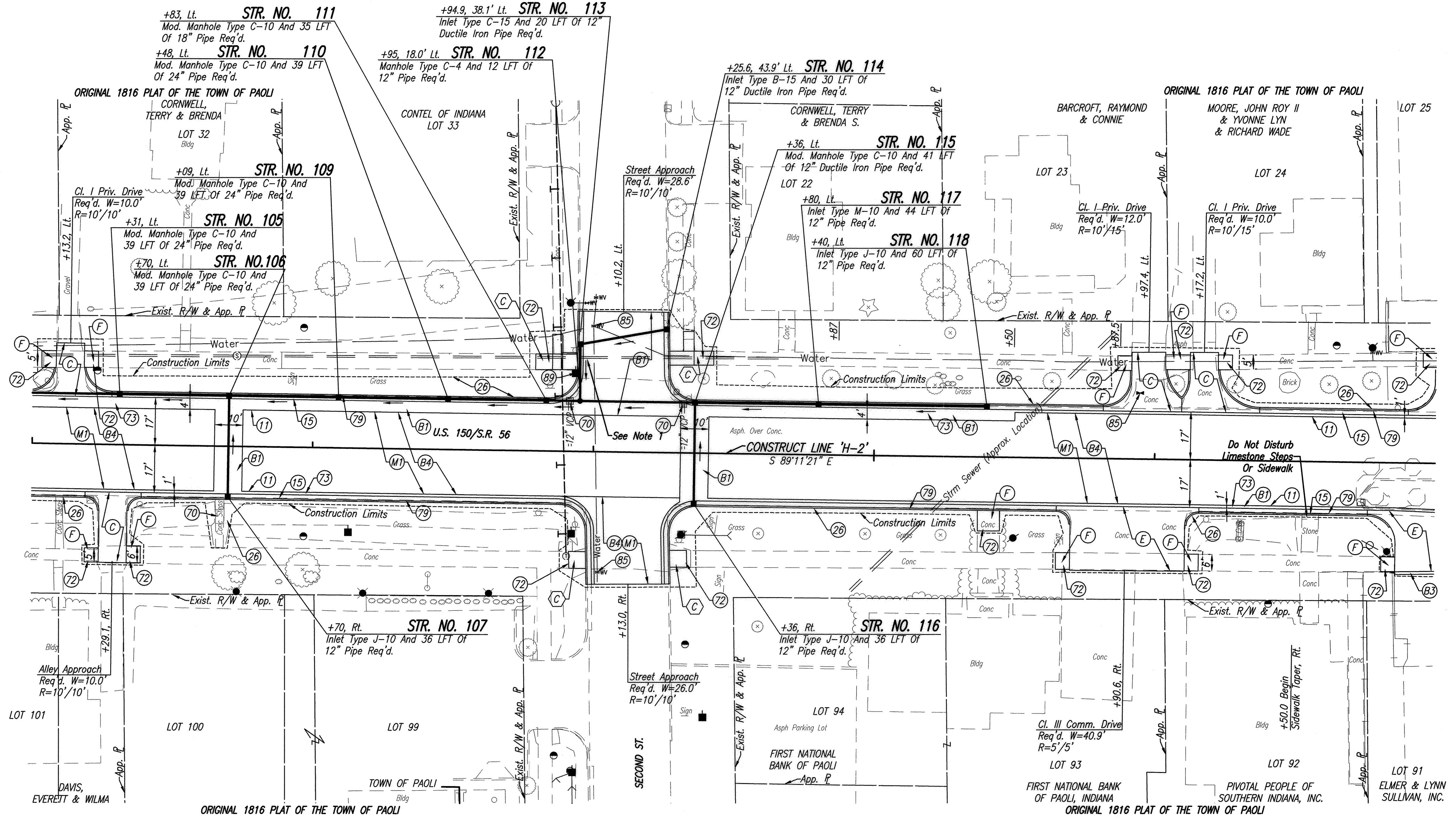
606  
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#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree

607  
#43.17, 58.06 30" Tree  
#43.17, 58.06 30" Tree



SEC. 1, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

- NOTES**
- Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.
  - Contractor Shall Maintain And Repair Or Replace Sanitary Sewer Pipe If Damaged During Storm Sewer Construction.

- LEGEND**
- (1) Sawcut
  - (15) Combined Concrete Curb And Gutter, Modified
  - (26) Sodding, Nursery
  - (70) Remove
  - (72) Sidewalk, Remove
  - (73) Pavement, Remove
  - (79) Curb, Remove
  - (85) Water Valve, Adjust Casting To Grade
  - (89) Relocate (By Others)
  - (B) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
  - (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC
  - (B3) HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B, On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
  - (B4) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
  - (C) PCCP For Approaches, 6", On Subgrade Treatment, Type II
  - (E) PCCP For Approaches, 9", On Subgrade Treatment, Type II
  - (F) Concrete Sidewalk, 4"
  - (M) Milling, Asphalt (See Note Above)
  - (C) Concrete Curb Ramp, Type 'C'

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED

#91.23, 29.36 10" Pole-72

#101.01, 101.01 40" Storm-2  
#125.6, 30.12 Bldg Cor

#38.67, 21.05 Sp

#70.81, 44.97 30" Manhd  
#125.6, 30.12 Bldg Cor

#97.05, 43.37 30" Manhd  
#98.85, 31.7 Water Valve

#110.0, 29.97 PMP  
#145.0, 122.0 Bldg Cor  
#182.6, 31.01 Comp Foot

#52.5, 121.2 Bldg Cor

#61.40, 51.07 Comp Foot

#77.2, 156.5 Bldg Cor  
#77.2, 156.5 Bldg Cor  
#80.7, 22.05 Sp

#90.18, 108.3 Water Valve  
#93.87, 25.39 Sp

#40.21, 94.07 PMP/G-41  
#46.16, 29.27 Coy Wire

#50.11, 39.37 14" Conspire  
#50.11, 39.37 14" Conspire

#97.29, 77.87 14" Conspire  
#97.29, 77.87 14" Conspire

#41.4, 71.97 14" Conspire  
#41.4, 71.97 14" Conspire

#43.1, 45.12 Bldg Cor  
#48.89, 29.37 24" Pole  
#50.7, 46.32 Bldg Cor

#63.62, 29.07 24" Pole  
#67.1, 56.17 Bldg Cor

#122.6, 55.07 Bldg Cor  
#150.8, 21.10 Sp

#43.96, 50.9 Water Valve  
#50.0, 55.17 Bldg Cor

#63.2, 51.9 Bldg Cor  
#69.7, 70.9 Bldg Cor

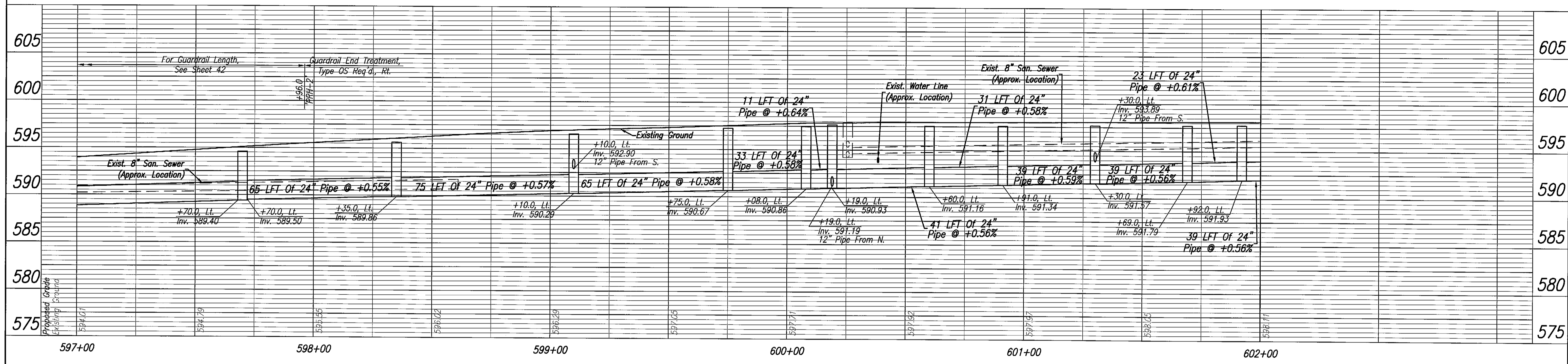
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#85.11, 39.40 30" Manhd  
#87.1, 57.17 Bldg Cor



RECOMMENDED FOR APPROVAL	<i>B. M. Smith</i>	4-28-15
DESIGNED:	BBL	DPH
CHECKED:	PDF	CHECKED: BBL

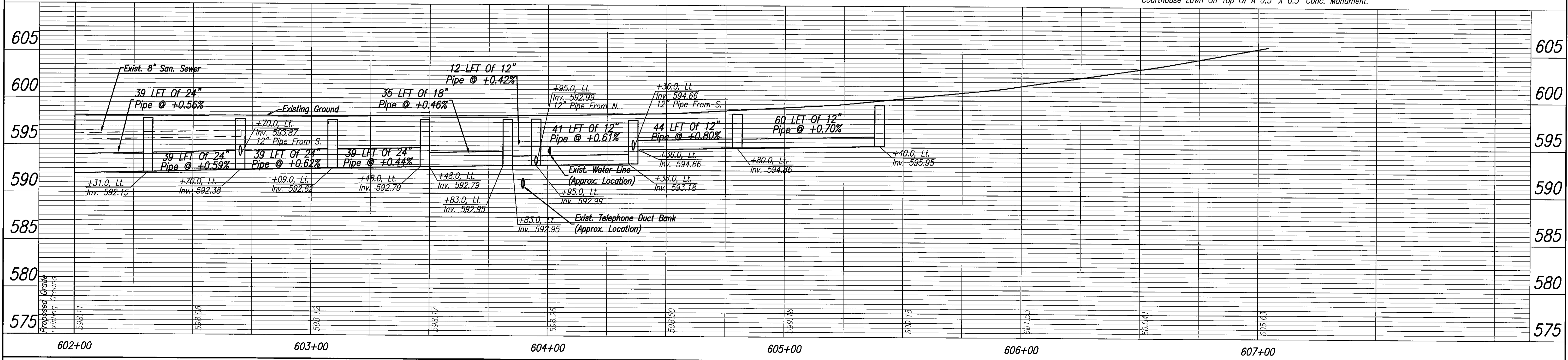
INDIANA DEPARTMENT OF TRANSPORTATION  
PLAN LINE 'H-2'

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	R-31710
SHEETS	44 of 158
PROJECT	0710(980)

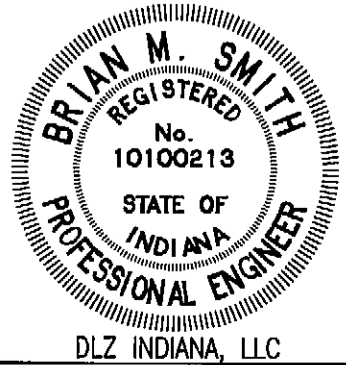


TBM 11 I ELEV = 598.06 (NAVD88)  
 Bench Tie Set North Face PLP #121-59-4, Located At the Southwest Corner Of SR 56 And Second Street.  
 O.P.O.T. Sta. 603+93 Line 'H-2', 28' Rt.

TBM USGS BM Z54 ELEV = 615.08 (NAVD88)  
 A Standard USGS Benchmark Disc Stamped 'Z54 1934', Found On The Southwest Side Of The Orange County Courthouse Lawn On Top Of A 0.5' X 0.5' Conc. Monument.



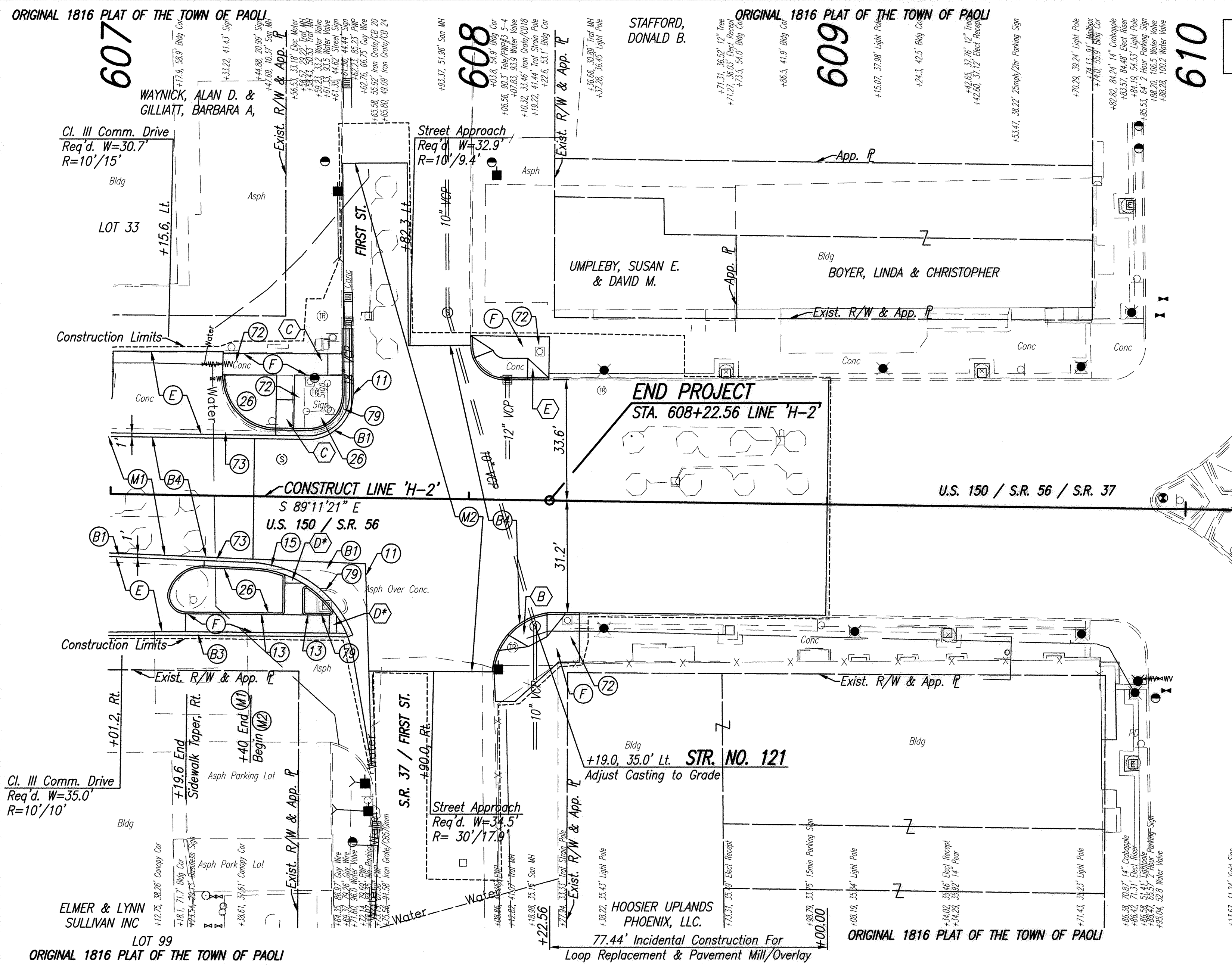
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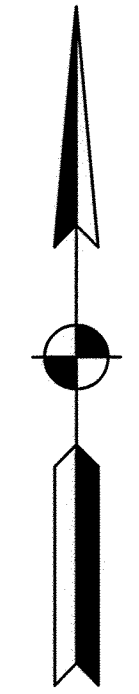
RECOMMENDED FOR APPROVAL *B. M. Smith* 4-14-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PROFILE  
 LINE 'PRH-2' AND LINE 'H-2'

HORIZONTAL SCALE 1" = 20'	DESIGNATION 0710980
VERTICAL SCALE 1" = 5'	SURVEY BOOK ELECTRONIC CONTRACT R-31710
	SHEETS 45 of 158 PROJECT 0710(980)

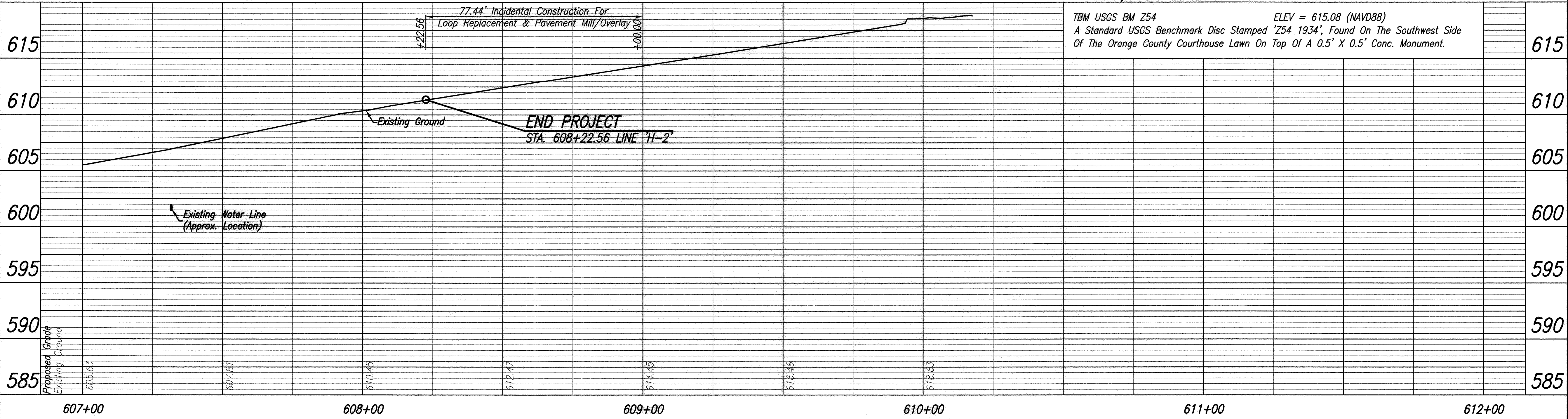


SEC. 1, T1N, R1W  
PAOLI TOWNSHIP  
ORANGE COUNTY

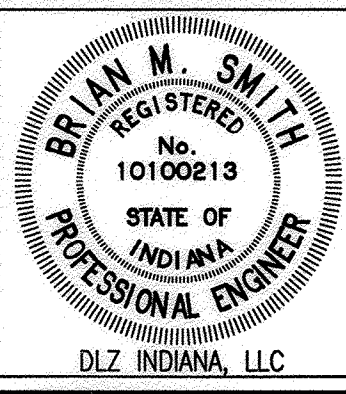
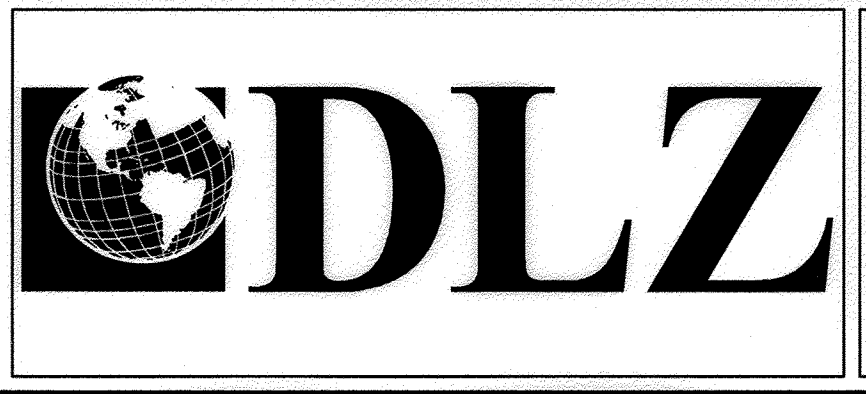
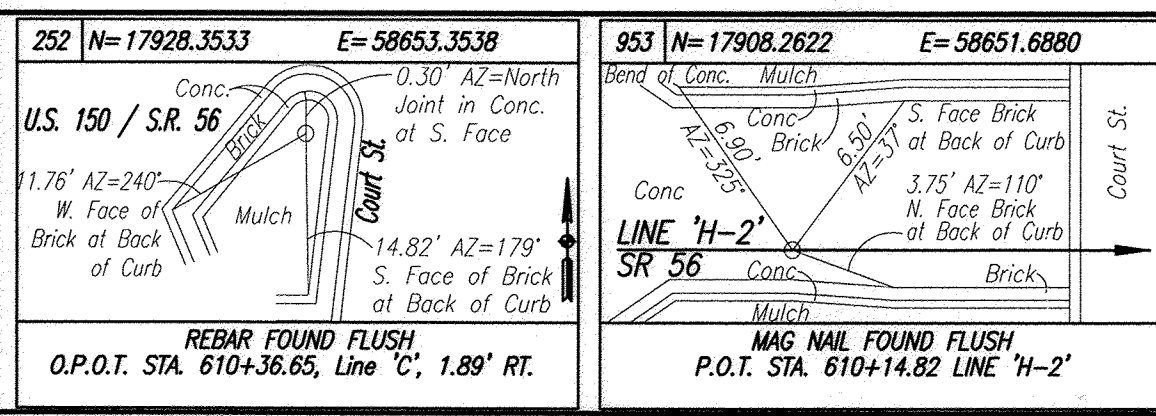


**NOTES**  
1. Existing Asphalt Shall Be Milled To Existing Concrete Or To A Depth Of 3 Inches, Whichever Is Less.

ALL R/W AND TOPOGRAPHY DESCRIBED FROM LINE 'H-2' UNLESS OTHERWISE NOTED



LEGEND	
(11)	Sawcut
(13)	Concrete Curb
(15)	Combined Concrete Curb And Gutter, Modified
(26)	Sodding, Nursery
(72)	Sidewalk, Remove
(73)	Pavement, Remove
(79)	Curb, Remove
(B)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm
(B1)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C), On Subgrade Treatment, Type IC
(B3)	HMA Patching, Type B, To Be: (165#/SYD HMA Surface, Type B, On 275#/SYD HMA Intermediate, Type B), On 6" Compacted Aggregate, No. 53, Base, On Subgrade Treatment, Type II
(B4)	165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm
(E)	PCCP For Approaches, 9", On Subgrade Treatment, Type II
(F)	Concrete Sidewalk, 4"
(M)	Milling, Asphalt (See Note Above)
(M2)	Milling, Asphalt, 1.5"
(B)	Concrete Curb Ramp, Type 'B'
(C)	Concrete Curb Ramp, Type 'C'
(D)	Concrete Curb Ramp, Type 'D', Modified
(E)	Concrete Curb Ramp, Type 'E'



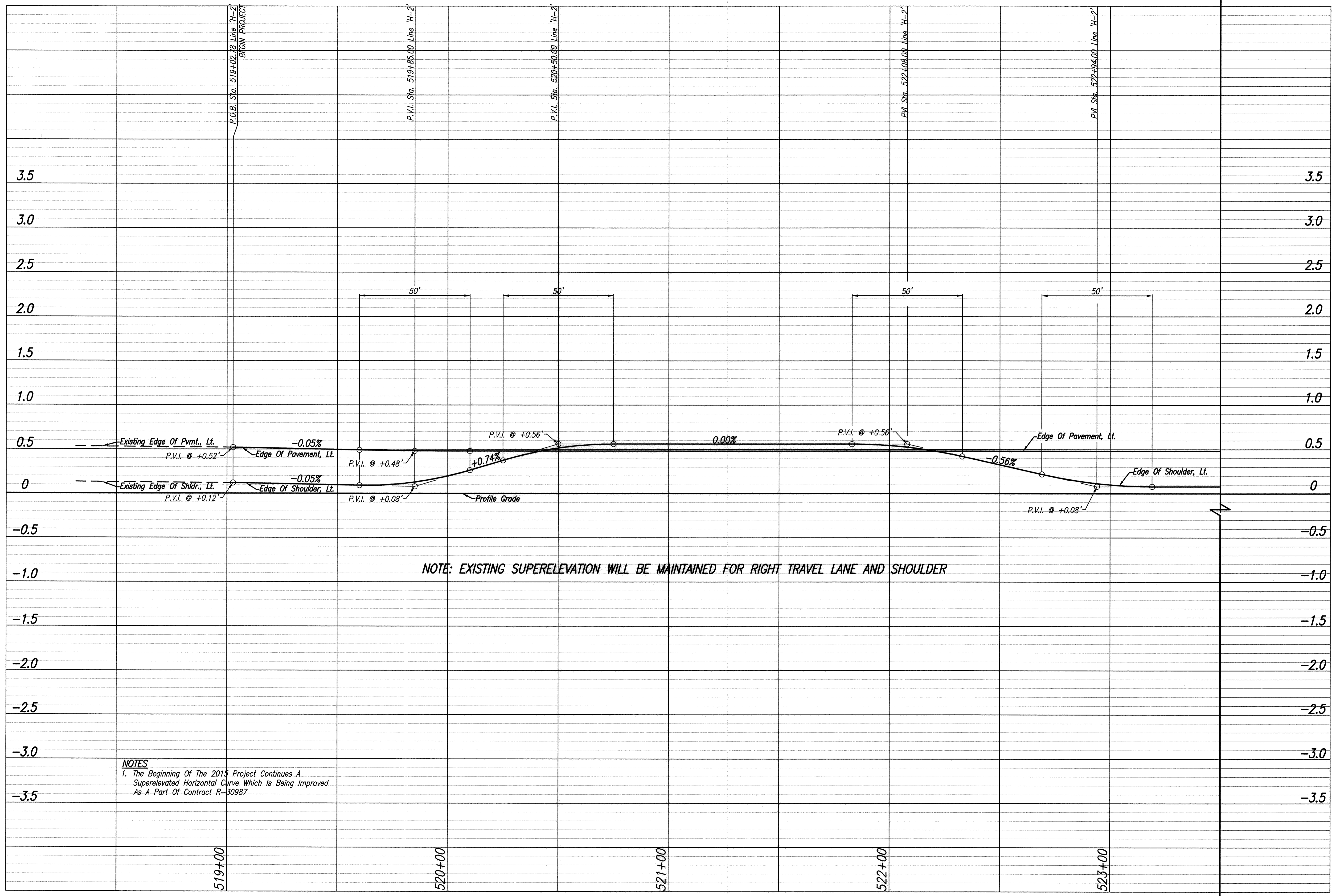
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DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE 'H-2'

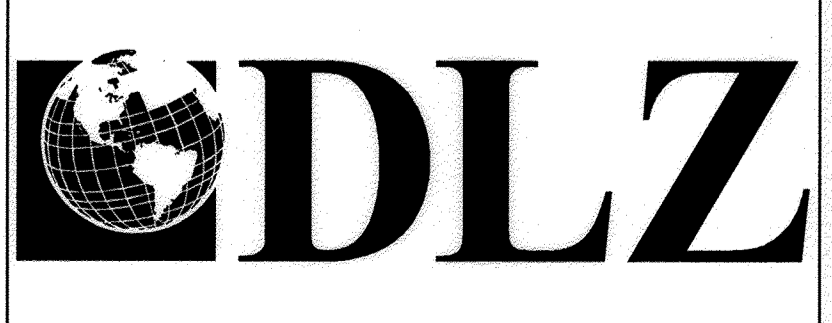
HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0710980
SURVEY BOOK	R-31710
ELECTRONIC	
CONTRACT	
SHEETS	46 of 158
PROJECT	0710(980)

Date: Apr 28, 2015, 8:00am, User: ID: vshahar, File: M:\PROJECTS\0710\0710(980)\0710(980)R01.dwg Model Tab: Plan Set



**NOTES**  
 1. The Beginning Of The 2015 Project Continues A  
 Superelevated Horizontal Curve Which Is Being Improved  
 As A Part Of Contract R-30987

Date: Mar 13, 2015, 10:57 am User: bhoover File: M:\PROJ\0881\17130\1015 Civil\Long Misc\1015SES0.dwg Model: Tab: Plan Set



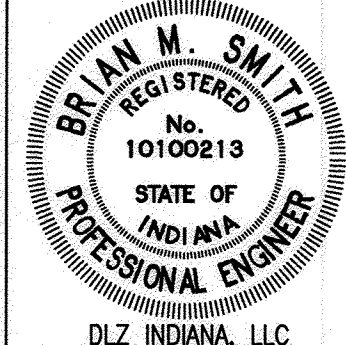
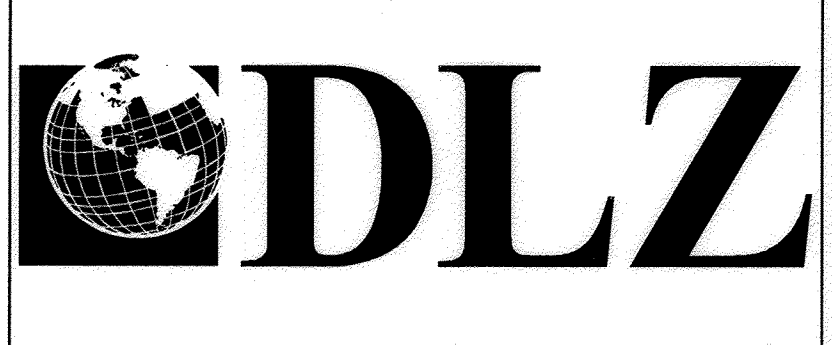
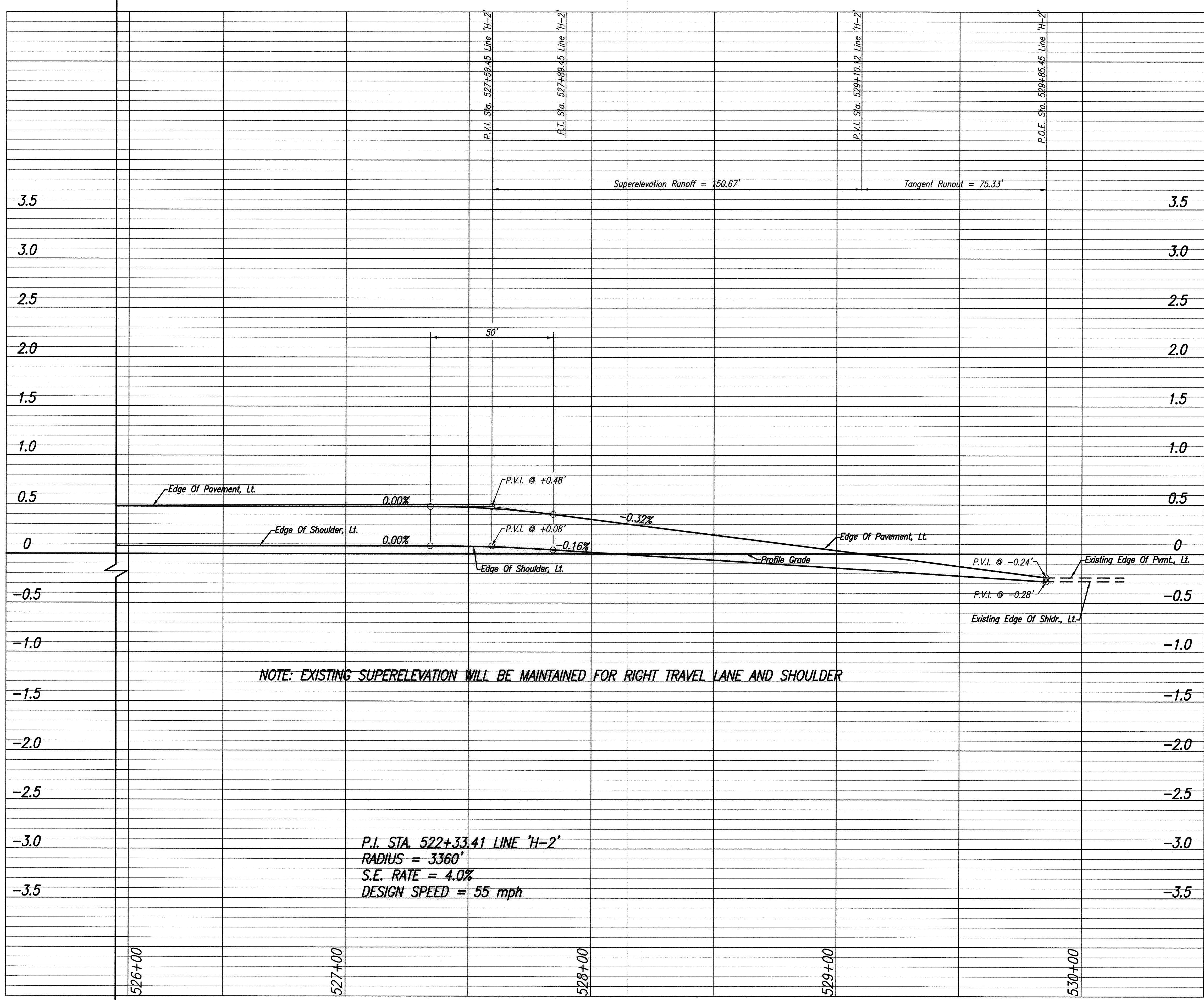
RECOMMENDED FOR APPROVAL	<i>RMS</i>	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN:	TH
CHECKED:	PDF	CHECKED:	BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION DIAGRAM**

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 0.50'
DESIGNATION	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	47 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Mar 13, 2015, 10:57am User: dr\_dhoover  
 File: M:\Procs\0881\220\2015\Civil\Orig\Main\2015SES1.dwg Model: Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>BMR</i>	3-12-15
DESIGNED:	BBL	DRAWN: TH
CHECKED:	PDF	CHECKED: BBL

INDIANA  
 DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAM

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 0.50'
DESIGNATION	0710980
SURVEY BOOK	R-31710
SHEETS	48 of 158
PROJECT	0710(980)

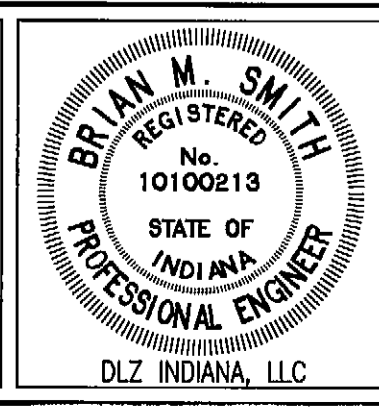


Date: Apr 14, 2015, 12:50pm User: ID: vcoahlyler  
 File: M:\PROJ\0861\2750\2015\civil\dwg\Tables\2015Sp10.DWG Model Tab: Plan Set

CONST. LINE	Sta.	Proposed Elevation (ft)	
		Lt. EOP	Rt. EOP
LINE 'H-2'	558+06.71	M.E.	
	558+25.00	597.26	
	558+50.00	597.85	
	558+75.00	598.31	
	559+00.00	598.76	
	559+25.00	599.15	
	559+50.00	599.52	
	559+75.00	599.87	
	560+00.00	600.20	
	560+25.00	600.42	
	560+50.00	600.59	
	560+75.00	600.71	600.63
	561+00.00	600.76	600.75
	561+25.00	600.81	600.87
561+50.00	600.86	600.94	
561+75.00	600.92	600.96	
562+00.00	600.96	600.98	
562+25.00	600.99	600.98	
562+50.00	601.03	600.99	
562+65.75	M.E.		
562+75.00		600.94	
563+00.00		600.89	
563+25.00		600.77	
563+50.00		600.58	
563+75.00		600.39	
564+00.00		600.17	
564+25.00		599.94	
564+50.00		599.58	
564+75.00		599.22	
565+00.00		598.62	
565+25.00		597.92	
565+50.00		597.25	
565+75.00		596.61	
566+00.00		595.99	
566+25.00		595.36	
566+50.00		594.73	
566+75.00		594.05	
567+00.00		593.32	
567+25.00		592.59	
567+50.00		591.86	
567+75.00		591.16	
568+00.00		590.46	
568+25.00		589.74	
568+50.00		589.09	
568+75.00		588.45	
569+00.00		587.80	
569+25.00		587.19	
569+50.00		586.62	
569+75.00		586.11	
570+00.00		585.55	
570+25.00		584.95	
570+50.00		584.34	
570+75.00		583.64	
571+00.00		582.90	
571+25.00		582.22	
571+50.00		581.52	
571+75.00		580.68	
572+00.00		579.81	
572+25.00		577.55	
572+50.00		576.72	
572+75.00		575.89	
573+00.00		575.06	
573+25.00		574.25	
573+50.00		573.44	
573+75.00		572.76	
574+00.00		572.08	
574+25.00		571.63	
574+50.00		571.18	
574+75.00		570.83	
575+00.00		570.46	
575+25.00		570.16	
575+50.00		569.94	
575+75.00		569.79	
576+00.00		569.71	
576+25.00		569.68	
576+50.00		569.64	
576+75.00		569.56	
577+00.00		569.44	
577+25.00		569.38	
577+50.00		569.40	
577+75.00		569.32	
578+00.00		569.23	
578+25.00		569.18	
578+50.00		569.10	
578+75.00		569.03	
579+00.00		569.03	
579+25.00		569.04	

CONST. LINE	Sta.	Proposed Elevation (ft)	
		Lt. EOP	Rt. EOP
LINE 'H-2'	579+32.68	569.03	569.22
	579+50.00	569.04	569.20
	579+75.00	568.91	569.17
	580+00.00	568.92	569.16
	580+25.00	568.89	569.15
	580+50.00	568.90	569.18
	580+75.00	568.95	569.20
	581+00.00	569.01	569.13
	581+25.00	568.98	569.06
	581+50.00	568.97	568.99
	581+75.00	569.03	568.92
	582+00.00	569.03	568.90
	582+25.00	569.07	568.90
	582+50.00	569.12	568.86
	582+75.00	569.00	568.86
	583+00.00	569.02	568.83
	583+25.00	569.03	568.92
	583+50.00	569.09	568.97
	583+75.00	569.16	569.00
	584+00.00	569.20	569.02
	584+25.00	569.22	569.09
	584+50.00	569.34	569.20
	584+75.00	569.46	569.40
	585+00.00	569.69	569.63
	585+25.00	569.98	569.87
	585+50.00	570.28	570.28
	585+75.00	570.73	570.69
	586+00.00	571.24	571.24
	586+25.00	571.76	571.84
	586+50.00	572.37	572.48
	586+75.00	573.03	573.18
	587+00.00	573.85	573.90
	587+25.00	574.70	574.70
	587+50.00	575.58	575.51
	587+75.00	576.44	576.41
	588+00.00	577.18	577.15
	588+25.00	577.74	577.61
	588+50.00	578.26	578.22
	588+75.00	578.63	578.62
	589+00.00	578.90	578.79
	589+25.00	579.07	579.00
	589+50.00	579.10	579.03
	589+75.00	579.45	579.45
	590+00.00	579.82	579.24
590+25.00	580.00	579.41	
590+50.00	579.81	579.61	
590+75.00	580.22	579.80	
591+00.00	580.49	579.97	
591+25.00	580.64	580.15	
591+50.00	580.82	580.38	
591+75.00	580.91	580.72	
592+00.00	581.16	581.05	
592+25.00	581.76	581.71	
592+50.00	582.52	582.40	
592+75.00	583.34	583.17	
593+00.00	584.24	584.03	
593+25.00	584.96	584.89	
593+50.00	585.87	585.78	
593+75.00	586.75	586.66	
594+00.00	587.58	587.45	
594+25.00	588.29	588.23	
594+50.00	588.98	588.92	
594+75.00	589.69	589.54	
595+00.00	590.15	590.14	
595+25.00	590.71	590.62	
595+50.00	591.29	591.11	
595+75.00	591.73	591.54	
596+00.00	592.07	591.97	
596+25.00	592.49	592.37	
596+50.00	593.00	592.76	
596+75.00	593.21	593.16	
597+00.00	593.51	593.56	
597+25.00	593.99	593.96	
597+50.00	594.36	594.37	
597+75.00	594.75	594.78	
598+00.00	595.12	595.16	
598+25.00	595.52	595.54	
598+50.00	595.96	595.94	
598+75.00	596.27	596.26	
599+00.00	596.54	596.51	
599+10.02	596.64	596.59	
599+25.00	596.79	596.69	
599+50.00	597.03	596.88	
599+75.00	597.32	597.05	
600+00.00	597.49	597.26	
600+25.00	597.66	597.40	
600+50.00	597.64	597.38	
600+75.00	597.64	597.48	

CONST. LINE	Sta.	Proposed Elevation (ft)	
		Lt. EOP	Rt. EOP
LINE 'H-2' (CONT.)	601+00.00	597.66	597.48
	601+25.00	597.72	597.56
	601+50.00	597.82	597.63
	601+75.00	597.79	597.60
	602+00.00	597.85	597.63
	602+25.00	597.88	597.67
	602+50.00	597.86	597.68
	602+75.00	597.82	597.65
	603+00.00	597.78	597.62
	603+25.00	597.79	597.62
	603+50.00	597.85	597.65
	603+75.00	597.88	597.68
	604+00.00	597.99	597.69
	604+25.00	598.07	597.88
	604+50.00	598.10	598.05
	604+75.00	598.50	598.29
	605+00.00	598.86	598.62
	605+25.00	599.21	599.09
	605+50.00	599.79	599.62
	605+75.00	600.43	600.26
606+00.00	601.15	601.09	
606+25.00	602.09	602.04	
606+50.00	603.18	602.99	
606+75.00	604.32	604.03	
607+00.00	605.45	605.28	
607+25.00	606.58	606.50	
607+50.00	607.92	607.62	



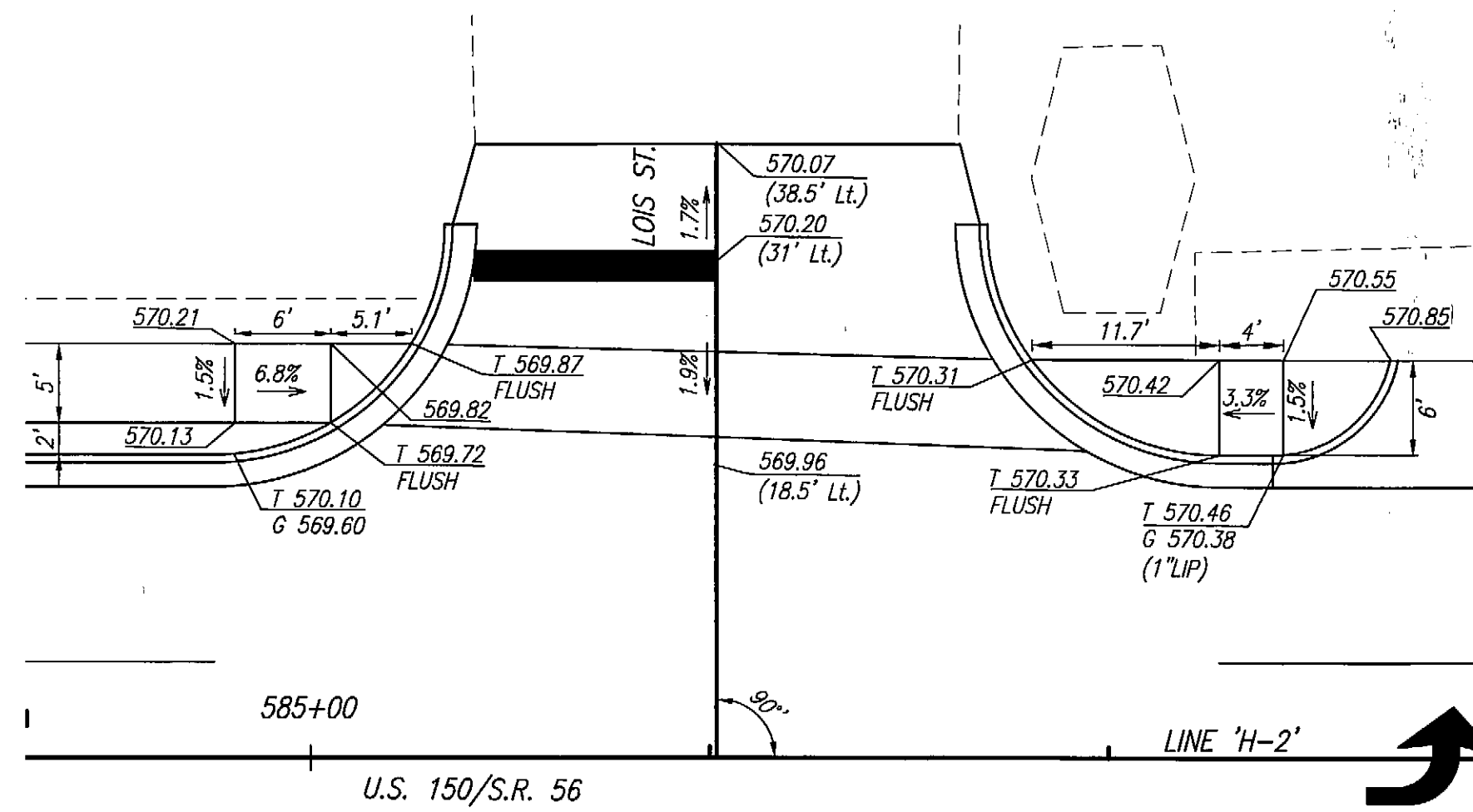
RECOMMENDED FOR APPROVAL: *B. R. D.* 4-14-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

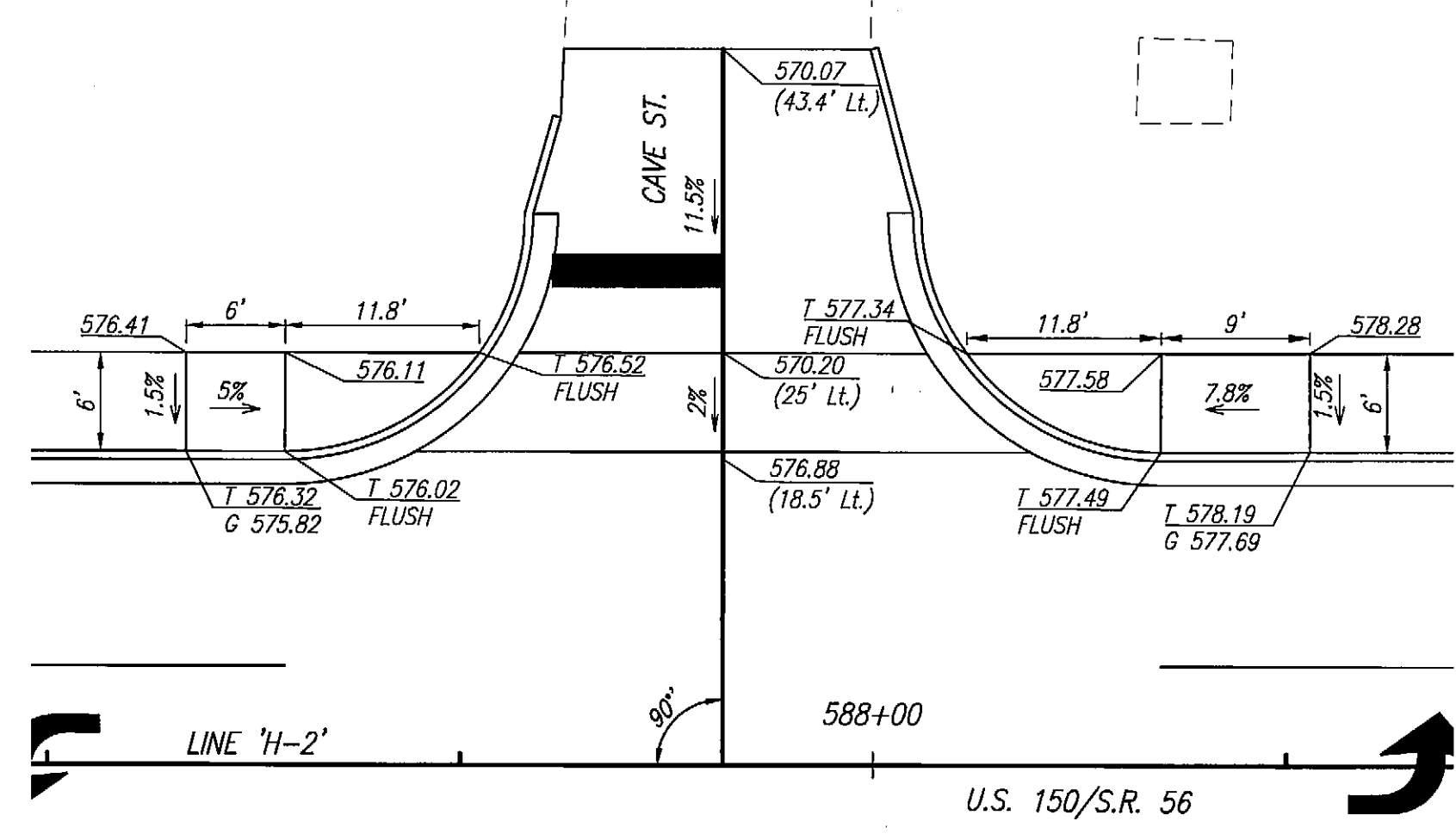
INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION TABLE

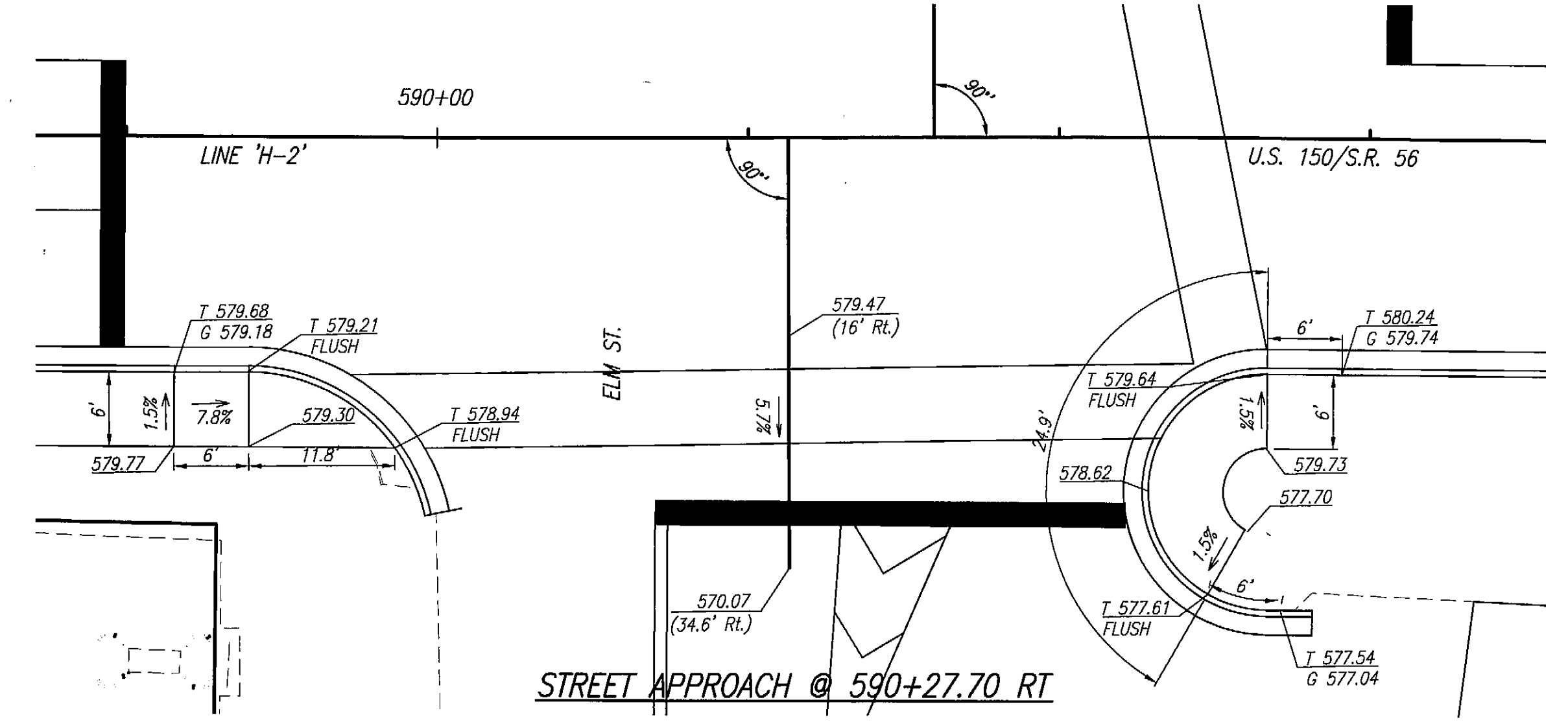
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VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	49 of 158
CONTRACT	PROJECT
R-31710	0710(980)



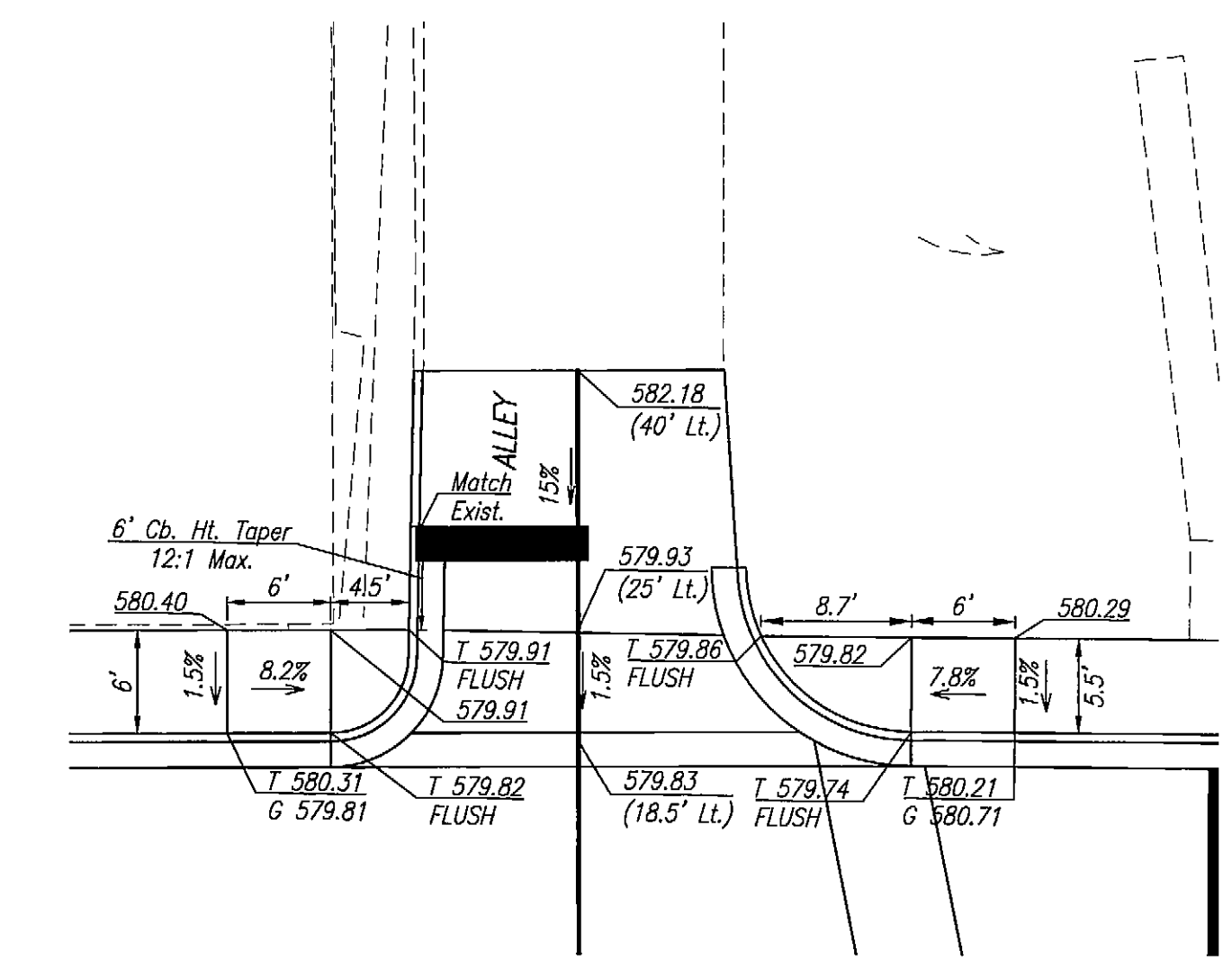
STREET APPROACH @ 585+25.40 LT



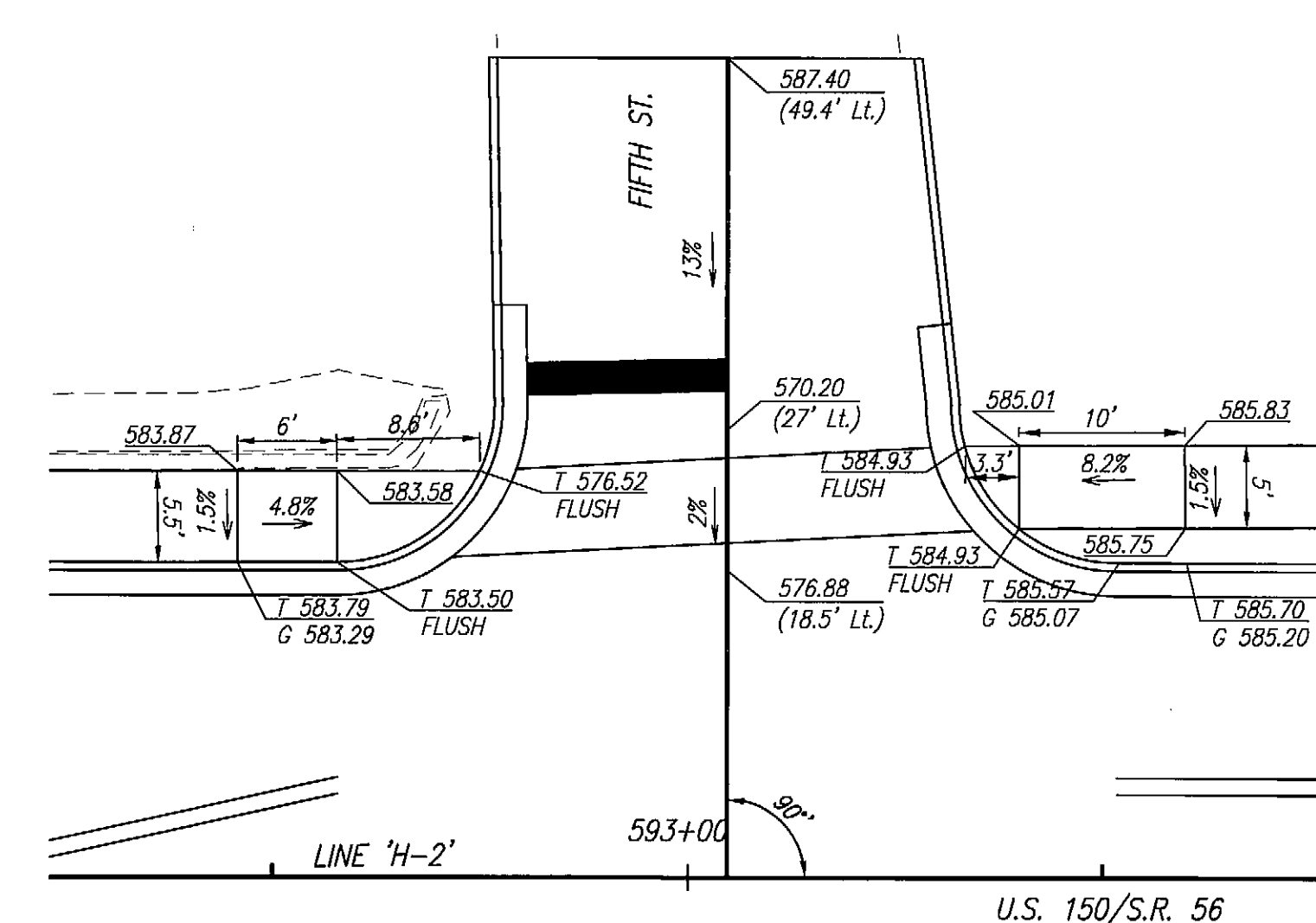
STREET APPROACH @ 587+90.90 LT



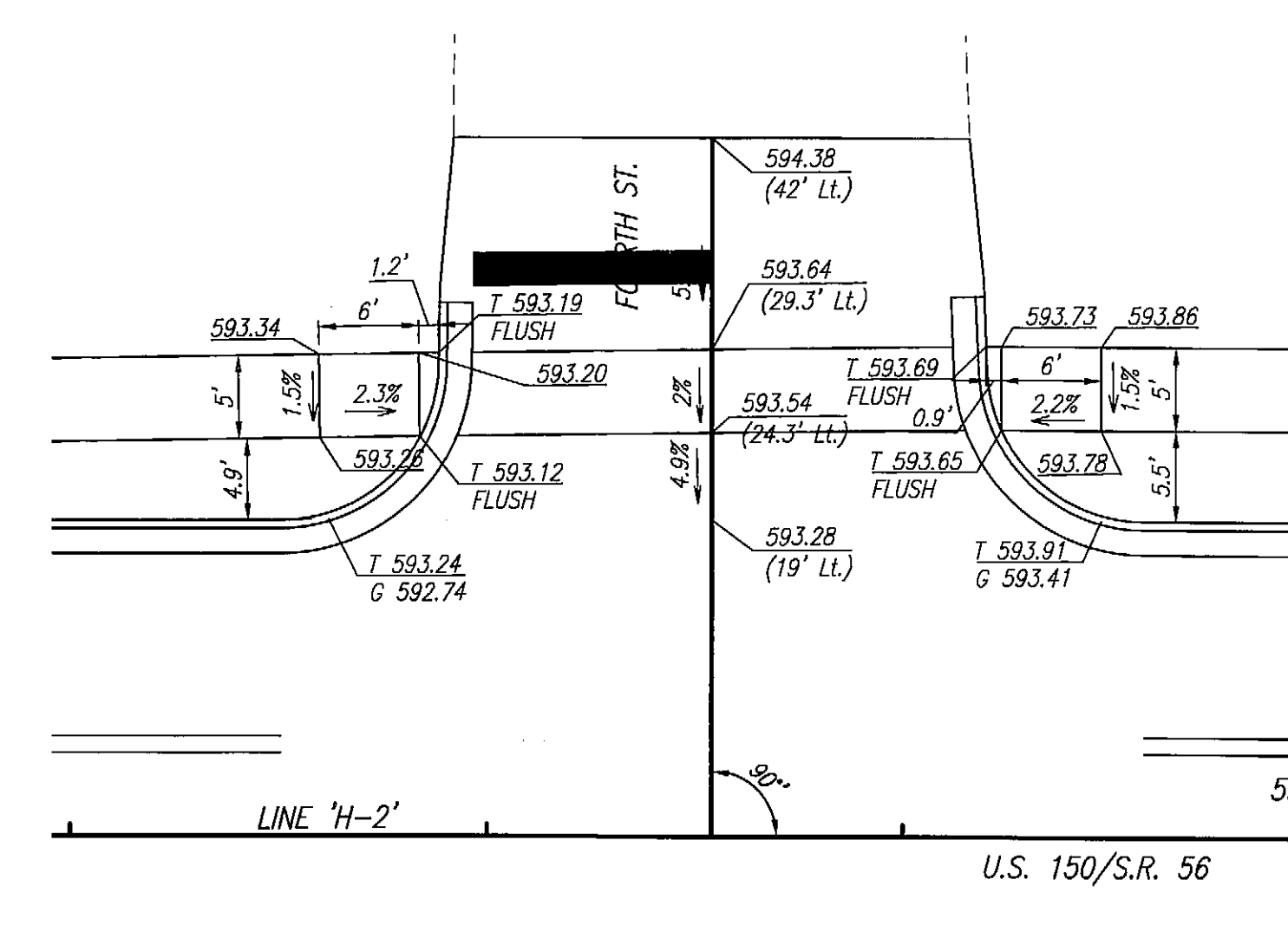
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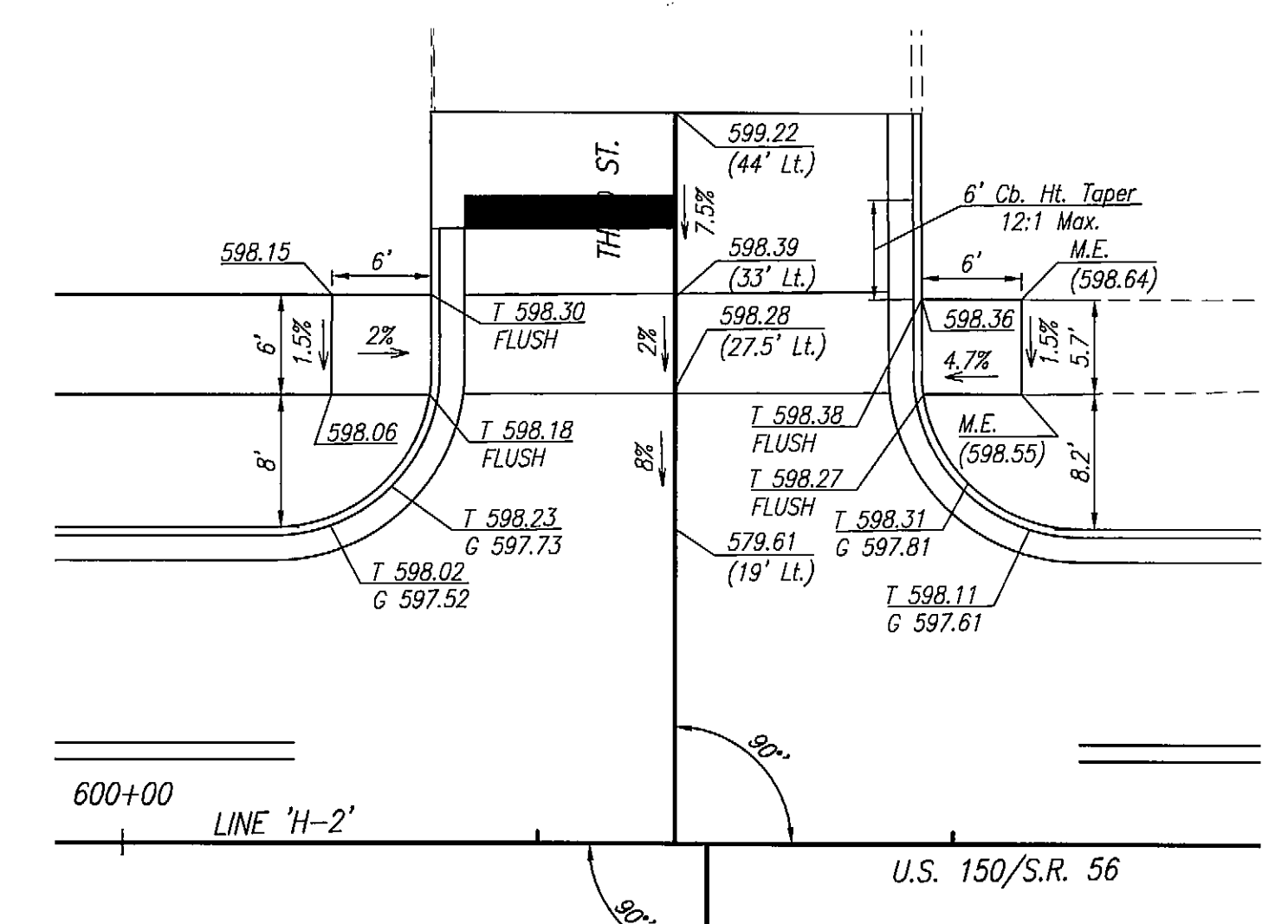
CL III COMM. DRIVE @ 590+39.90 LT



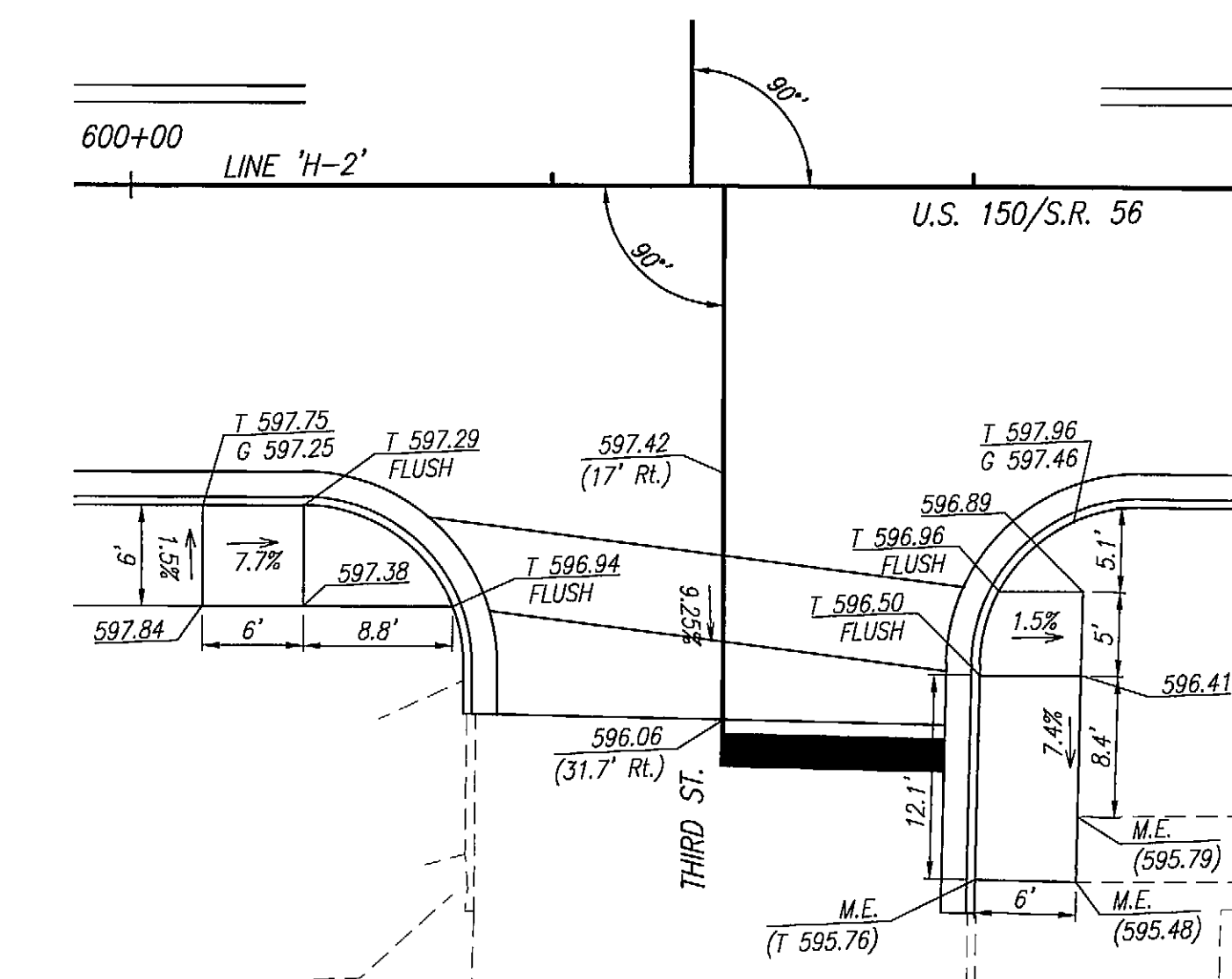
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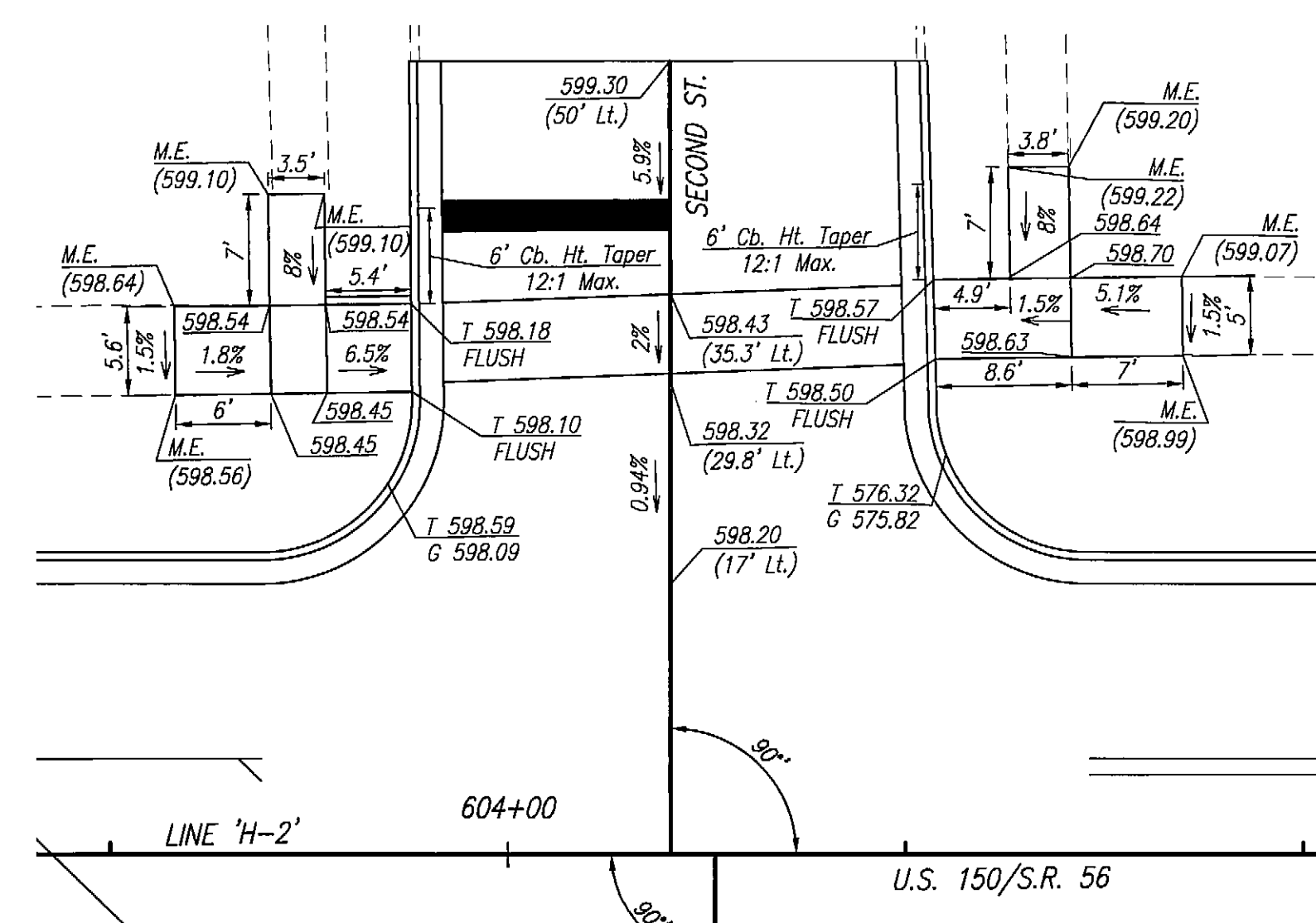
STREET APPROACH @ 596+63.50 LT



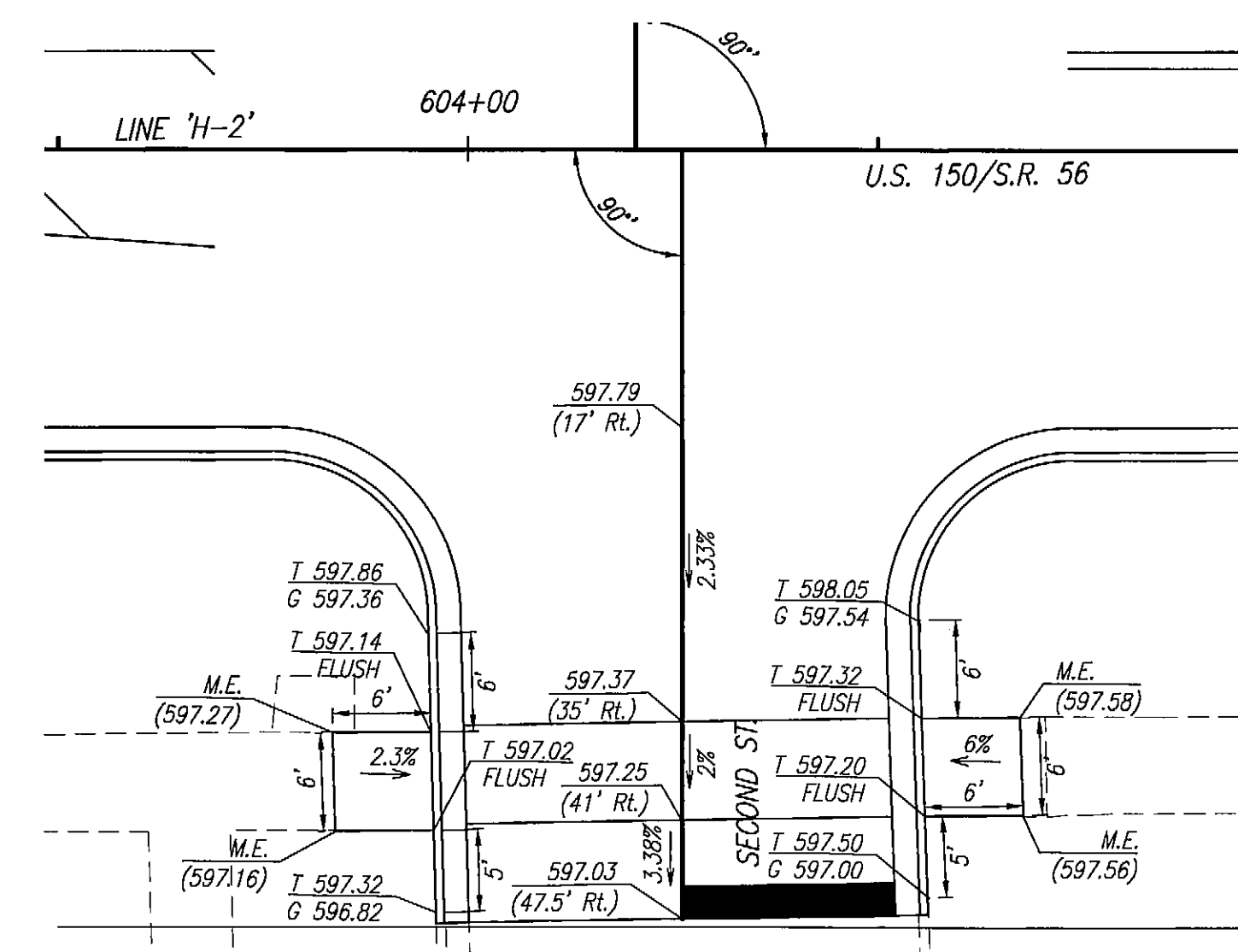
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STREET APPROACH @ 600+35.20 RT



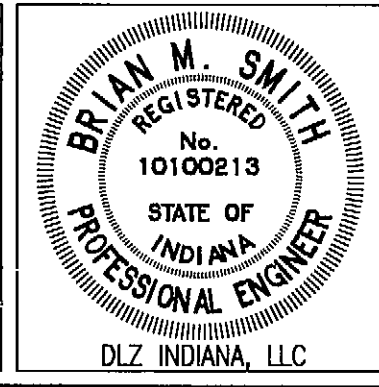
STREET APPROACH @ 604+10.20 LT



STREET APPROACH @ 604+13.00 RT

NOTE: M.E. = Match Existing

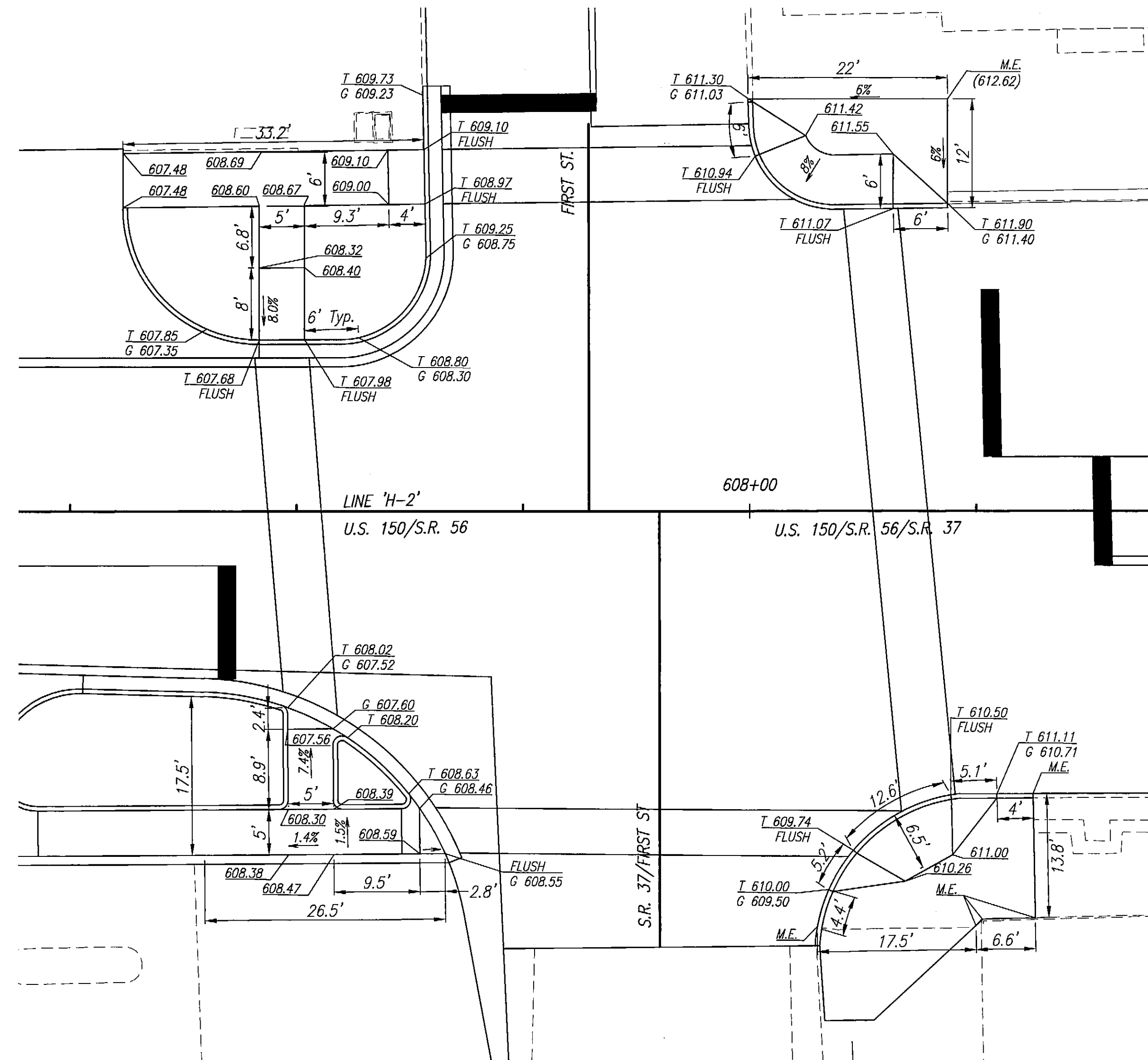
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RECOMMENDED FOR APPROVAL	<i>Rmk</i>	4-14-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
SPOT ELEVATION DETAIL

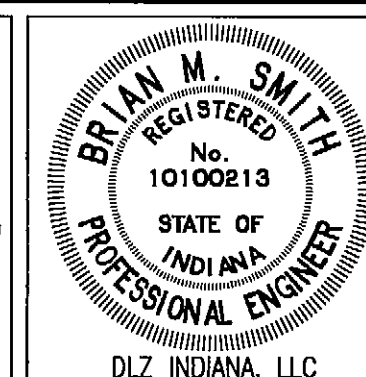
HORIZONTAL SCALE	1:10
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 50 of 158
ELECTRONIC CONTRACT	PROJECT 0710(980)



STREET APPROACHES @ 607+82.30 LT & 607+90.00 RT

M.E. = Match Existing

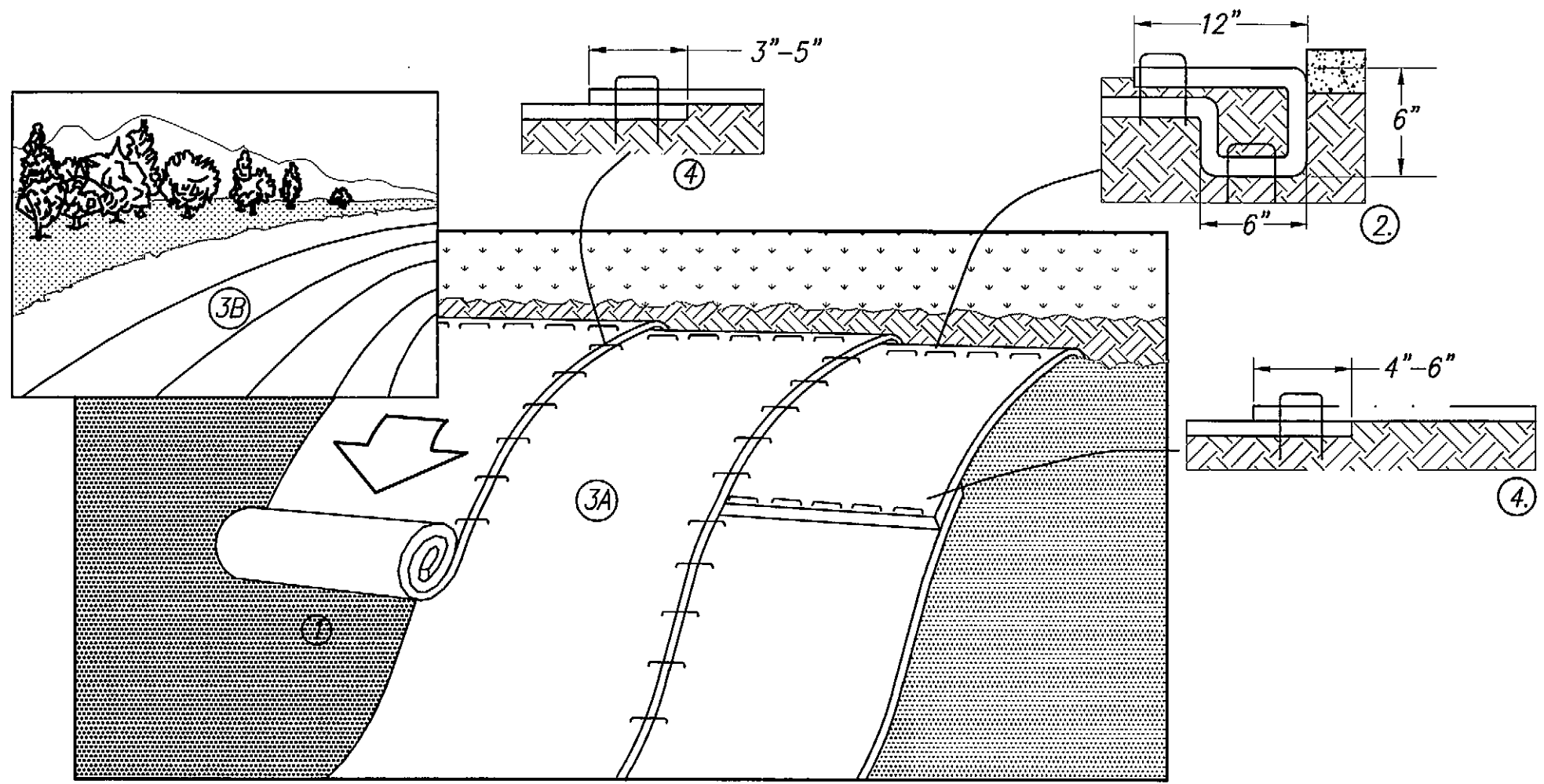
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RECOMMENDED FOR APPROVAL	<i>B M S</i>	4-14-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION	
SPOT ELEVATION DETAIL	

HORIZONTAL SCALE	1:10
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	51 of 158
CONTRACT	PROJECT
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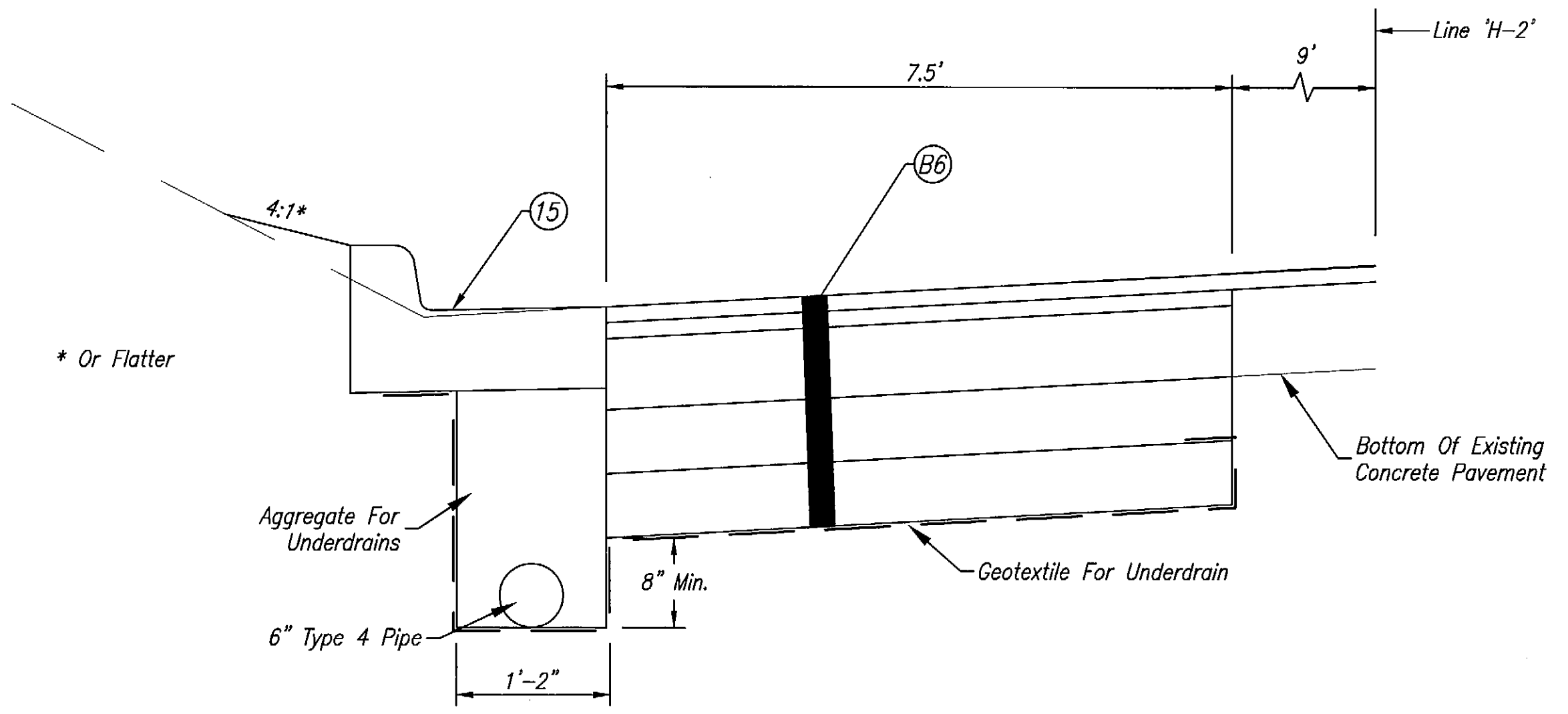
**SLOPE INSTALLATION**

1. Prepare Soil Before Installing Blankets, Including Any Necessary Application Of Lime, Fertilizer, And Seed.
2. Begin At The Top Of The Slope By Anchoring The Blanket In A 6" Deep x 6" Wide Trench With Approximately 12" Of Blanket Extended Beyond The Up-Slope Portion Of The Trench. Anchor The Blanket With A Row Of Staples/Stakes Approximately 12" Apart In The Bottom Of The Trench. Backfill And Compact The Trench After Stapling. Apply Seed To Compacted Soil And Fold Remaining 12" Portion Of Blanket Back Over Seed And Compacted Soil. Secure Blanket Over Compacted Soil With A Row Of Staples/Stakes Spaced Approximately 12" Apart Across The Width Of The Blanket.
3. Roll The Blankets (A.) Down Or (B.) Horizontally Across The Slope. Blankets Will Unroll With Appropriate Side Against The Soil Surface. All Blankets Must Be Securely Fastened To Soil Surface By Placing Staples/Stakes In Appropriate Locations As Per By Manufacturer's Recommendation.
4. The Edges Of Parallel Blankets Must Be Stapled With Approximately 3"-5" Overlap Depending On Blanket Type. To Ensure Proper Seam Alignment, Place The Edge Of The Overlapping Blanket (Blanket Being Installed On Top) Even With The Colored Seam Stitch On The Previously Installed Blanket.
5. Splicing Consecutive Blankets Down The Slope Shall Be Done In A Shingle Style With The Up-Slope Blanket Overlapping The Down-Slope Blanket 3" Minimum. Staple Through Overlapped Area, Approximately 12" Apart Across Entire Blanket Width.

**NOTES:**

1. Installation To Be Completed In Accordance With Manufacturer's Specifications.
2. Do Not Scale Drawings.
3. In Loose Soil Conditions The Use Of Staple Or Stake Lengths Greater Than 6" (15 cm) May Be Necessary To Properly Secure The Blankets.

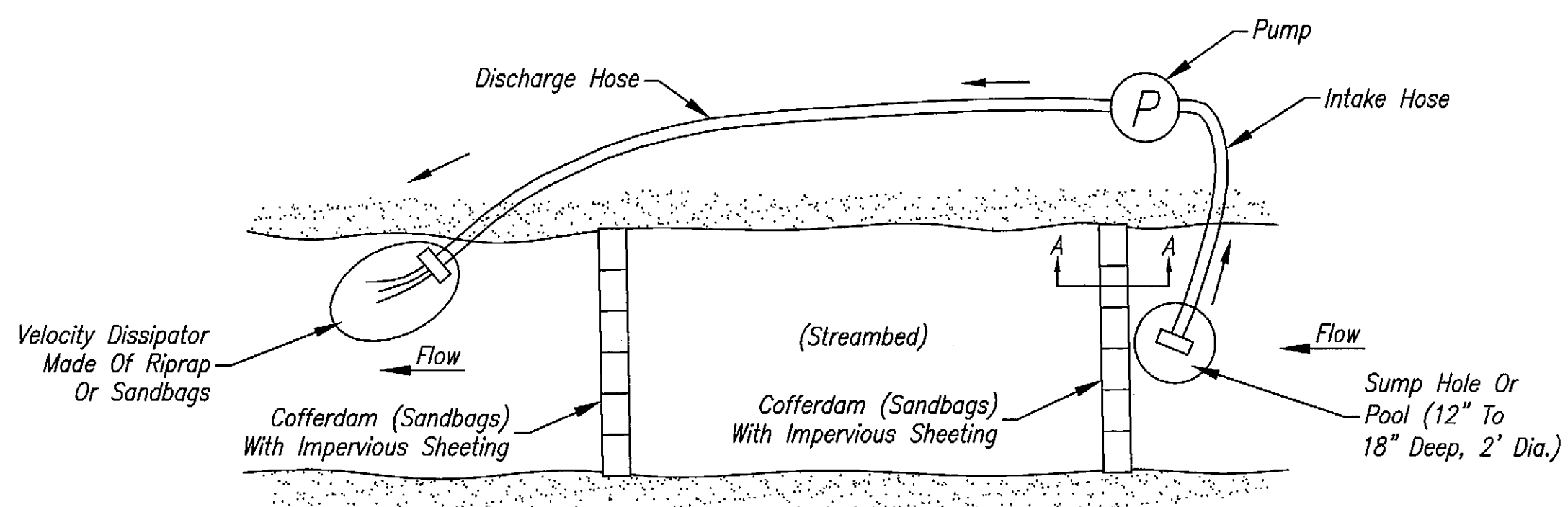
**EROSION CONTROL BLANKET DETAIL**  
Not To Scale



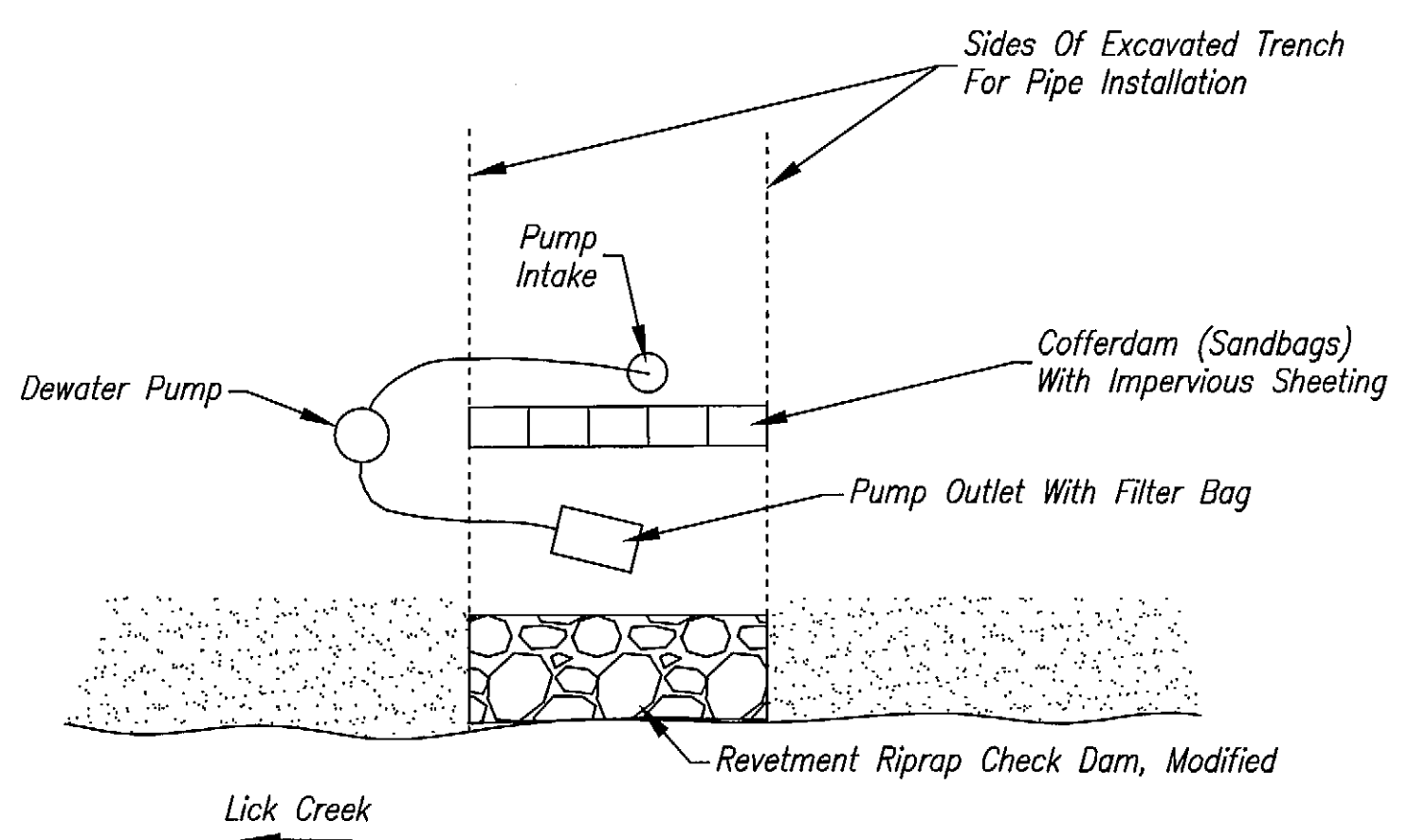
**UNDERDRAIN DETAIL**

Not To Scale  
Sta. 570+00.00 to Sta. 571+50.00, Line 'PRH-2'

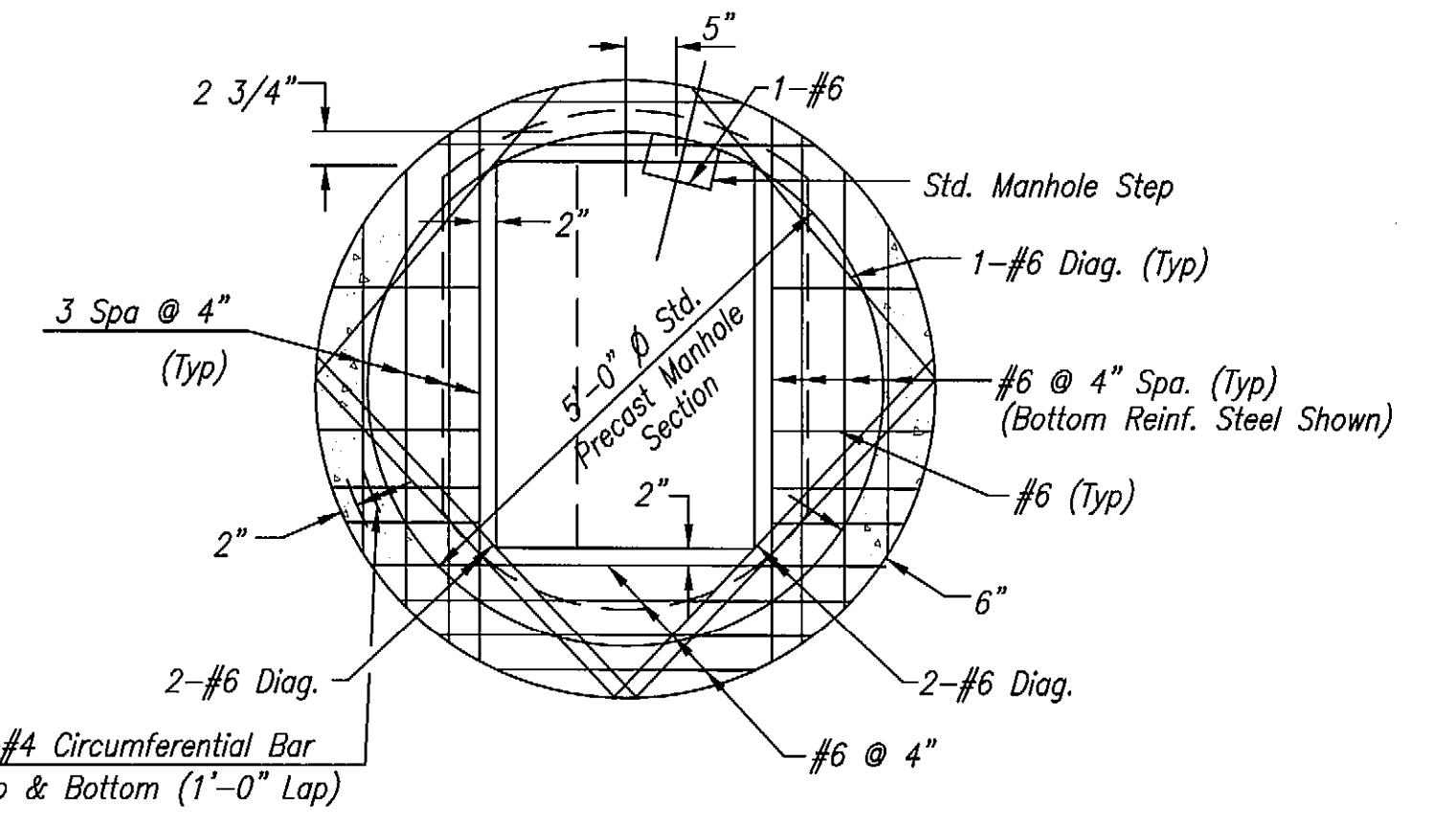
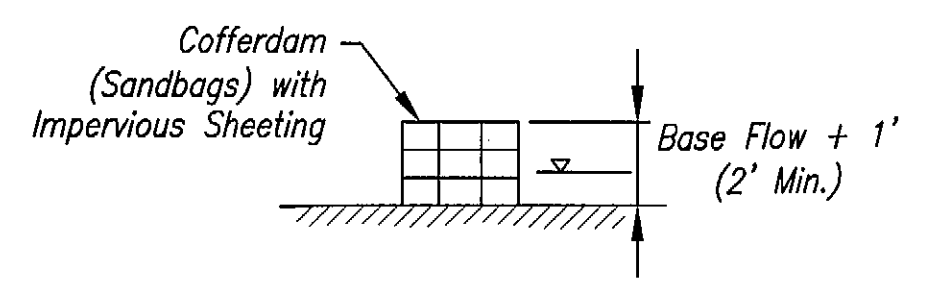
- (15) Combined Concrete Curb And Gutter, Modified
- (B6) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On 165#/SYD QC/QA-HMA, 3, 70, Intermediate, 9.5 mm, On Min. 770#/SYD QC/QA-HMA, 3, 64, Base, 19.0 mm, On 6" Compacted Aggregate, No. 53, Base, On 6" Aggregate For Underdrains



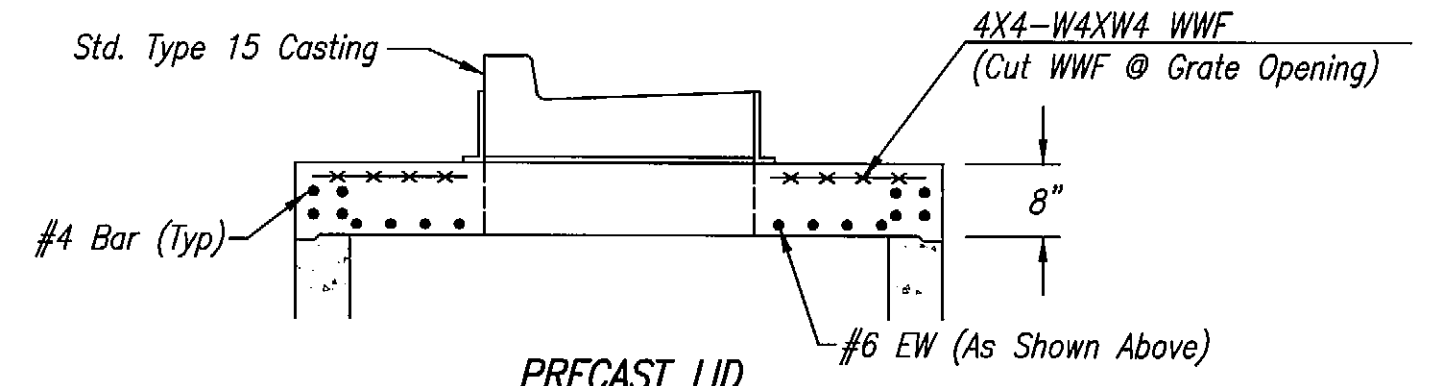
**PUMP-AROUND DETAIL**  
Not To Scale



**DEWATERING DETAIL**  
Not To Scale

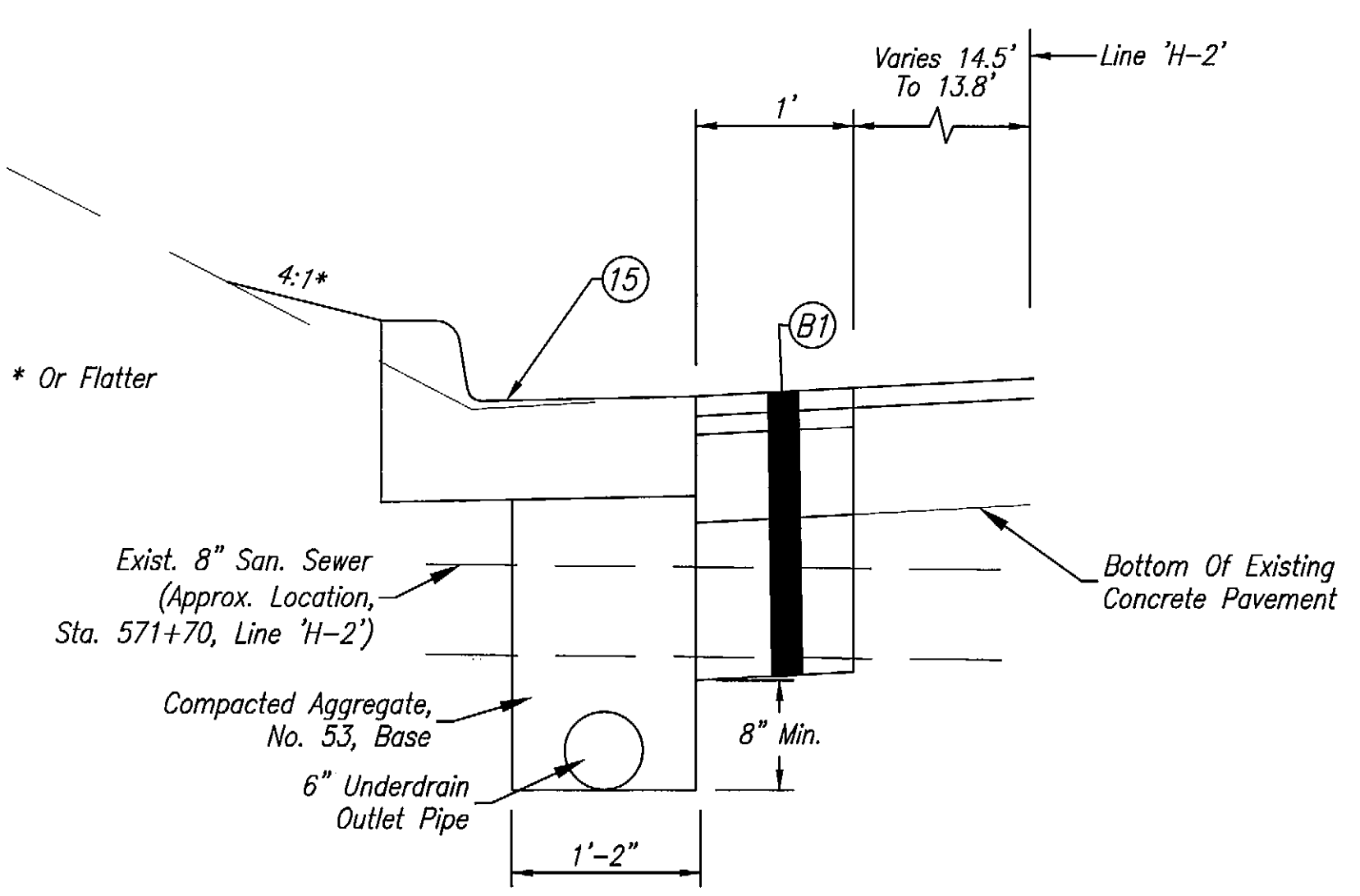


**PLAN**



**PRECAST LID 5\"/>**

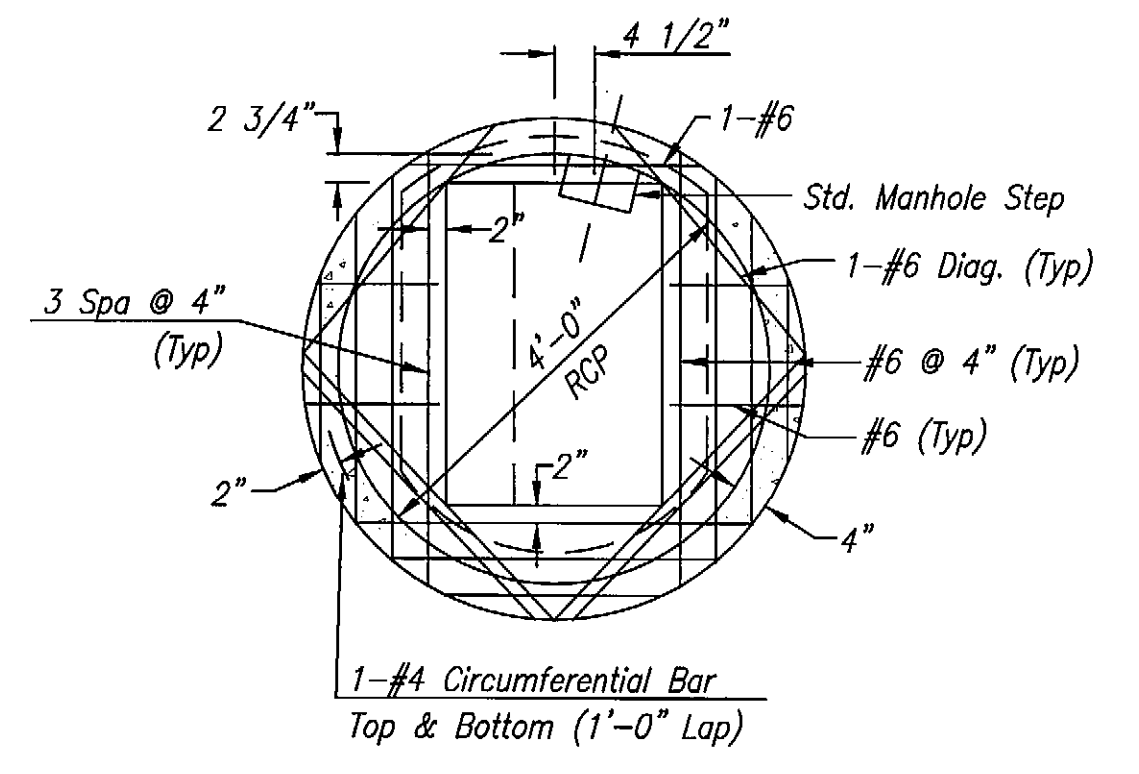
**MODIFIED MANHOLE, TYPE J-15**  
N.T.S.



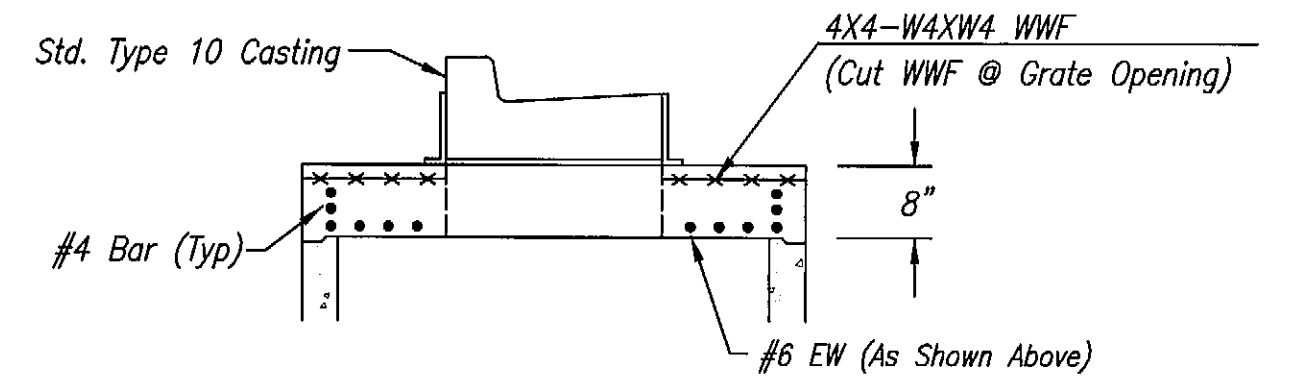
**UNDERDRAIN OUTLET DETAIL**

Not To Scale  
Sta. 571+50.00 to Sta. 571+94.00, Line 'PRH-2'

- (15) Combined Concrete Curb And Gutter, Modified
- (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of: 165#/SYD HMA Intermediate, Type C, On Minimum 770#/SYD HMA Base, Type C, On Subgrade Treatment, Type IC



**PLAN**

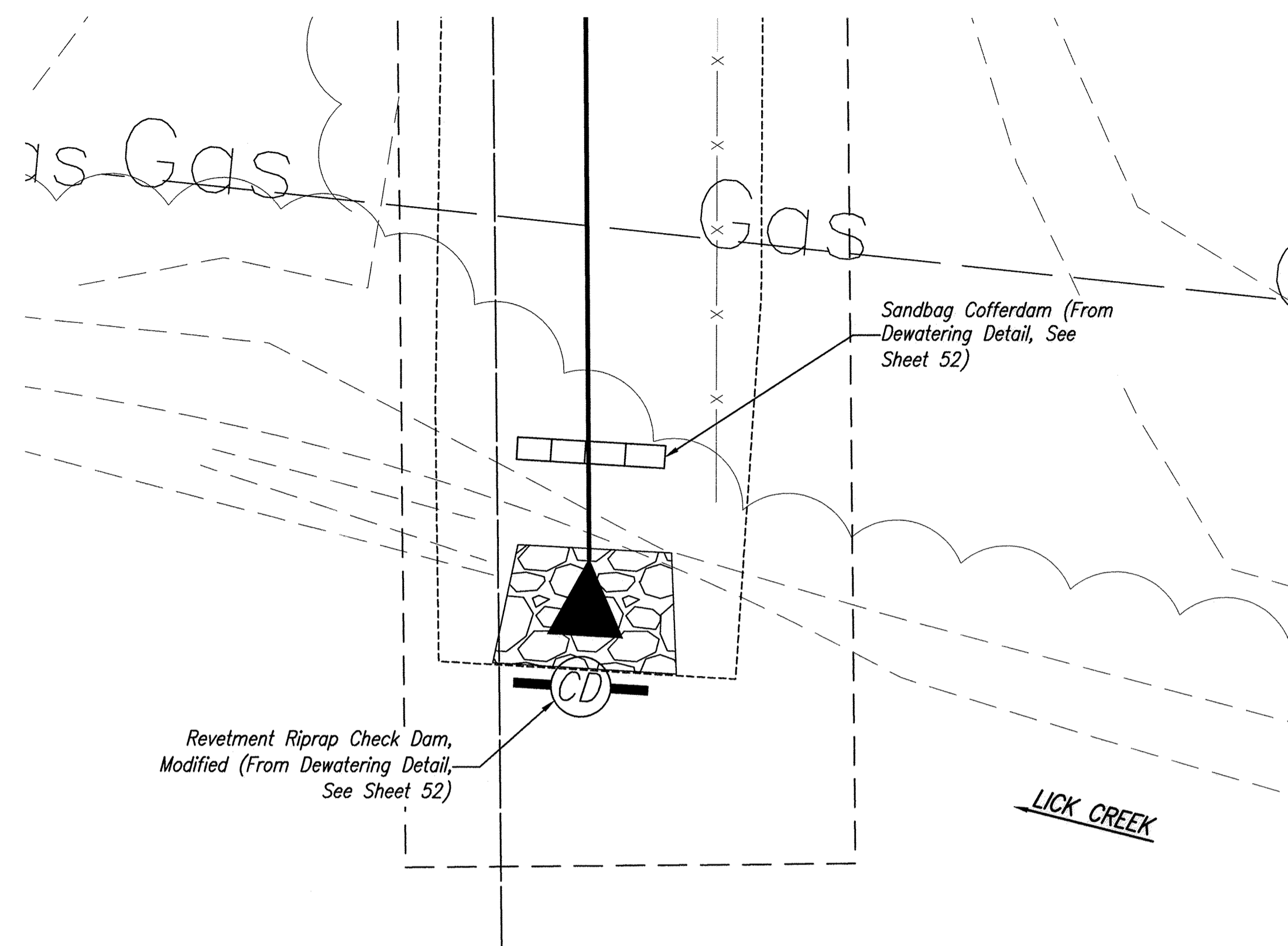


**PRECAST LID**

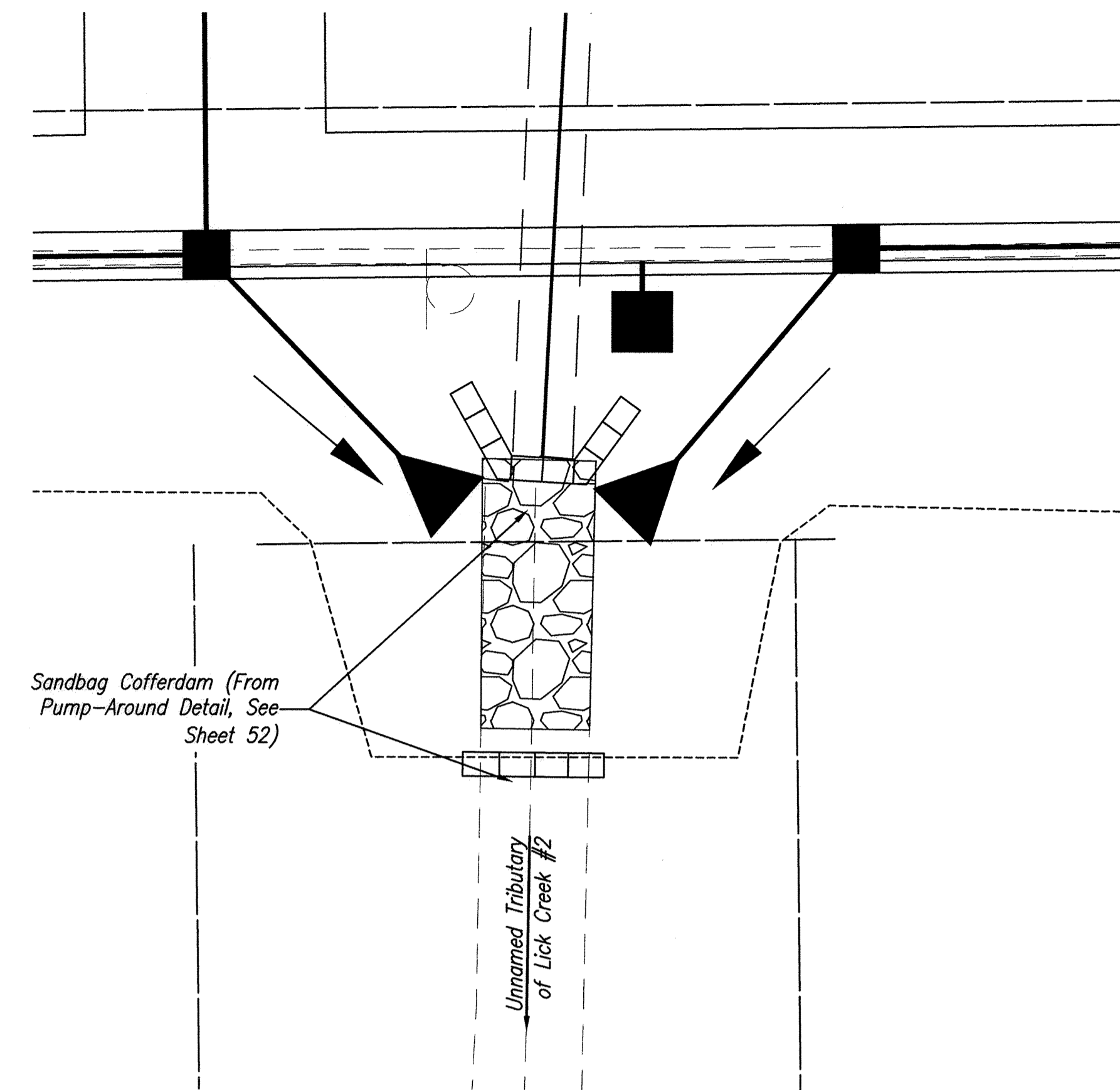
**MODIFIED MANHOLE, TYPE C-10, J-10**  
N.T.S.

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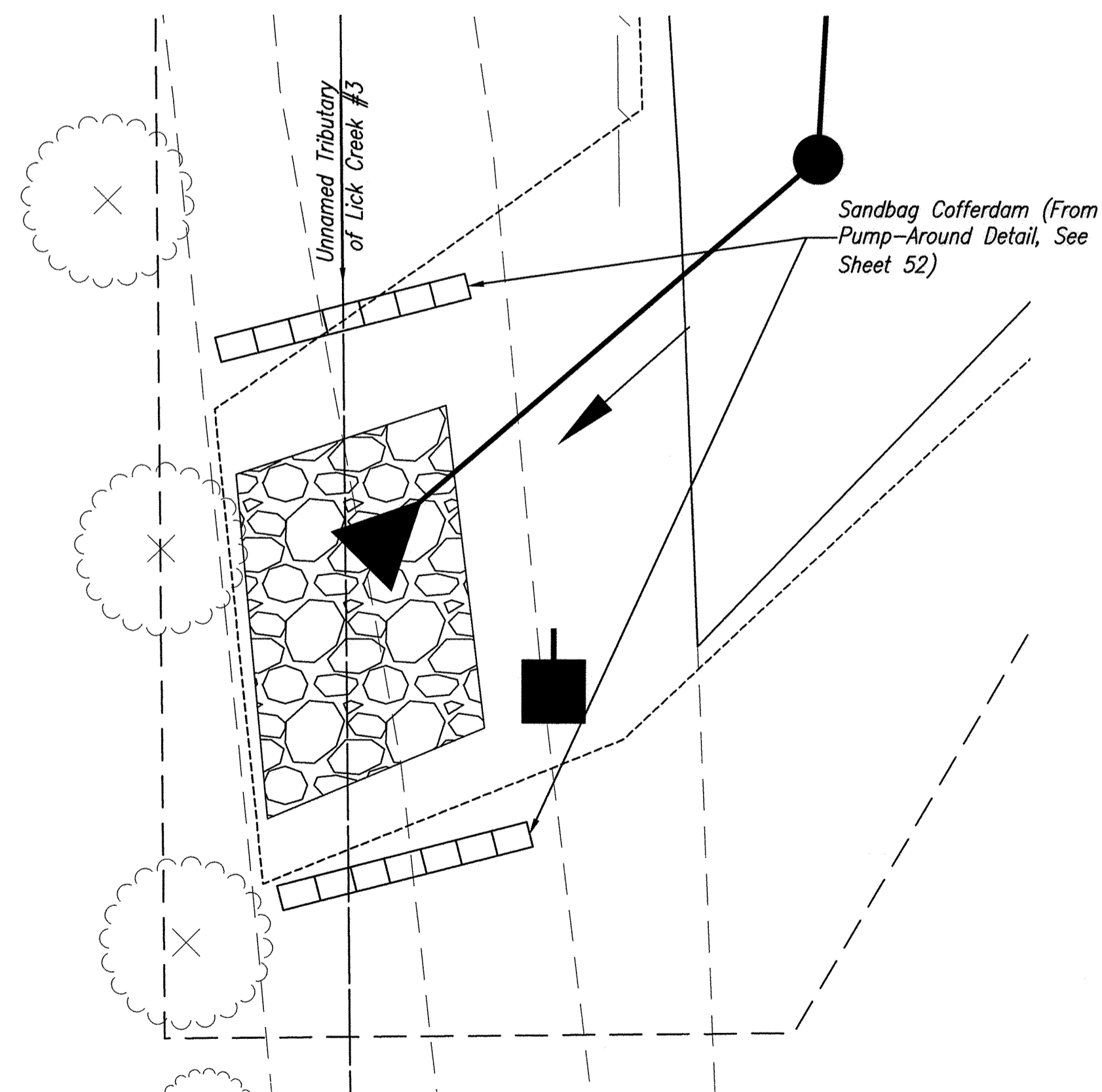
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		DESIGNED: BBL DRAWN: DPH CHECKED: PDF CHECKED: BBL		VERTICAL SCALE DESIGNATION 0710980	
				SURVEY BOOK	SHEETS
				ELECTRONIC	52 of 158
				CONTRACT	PROJECT
				R-31710	0710(980)



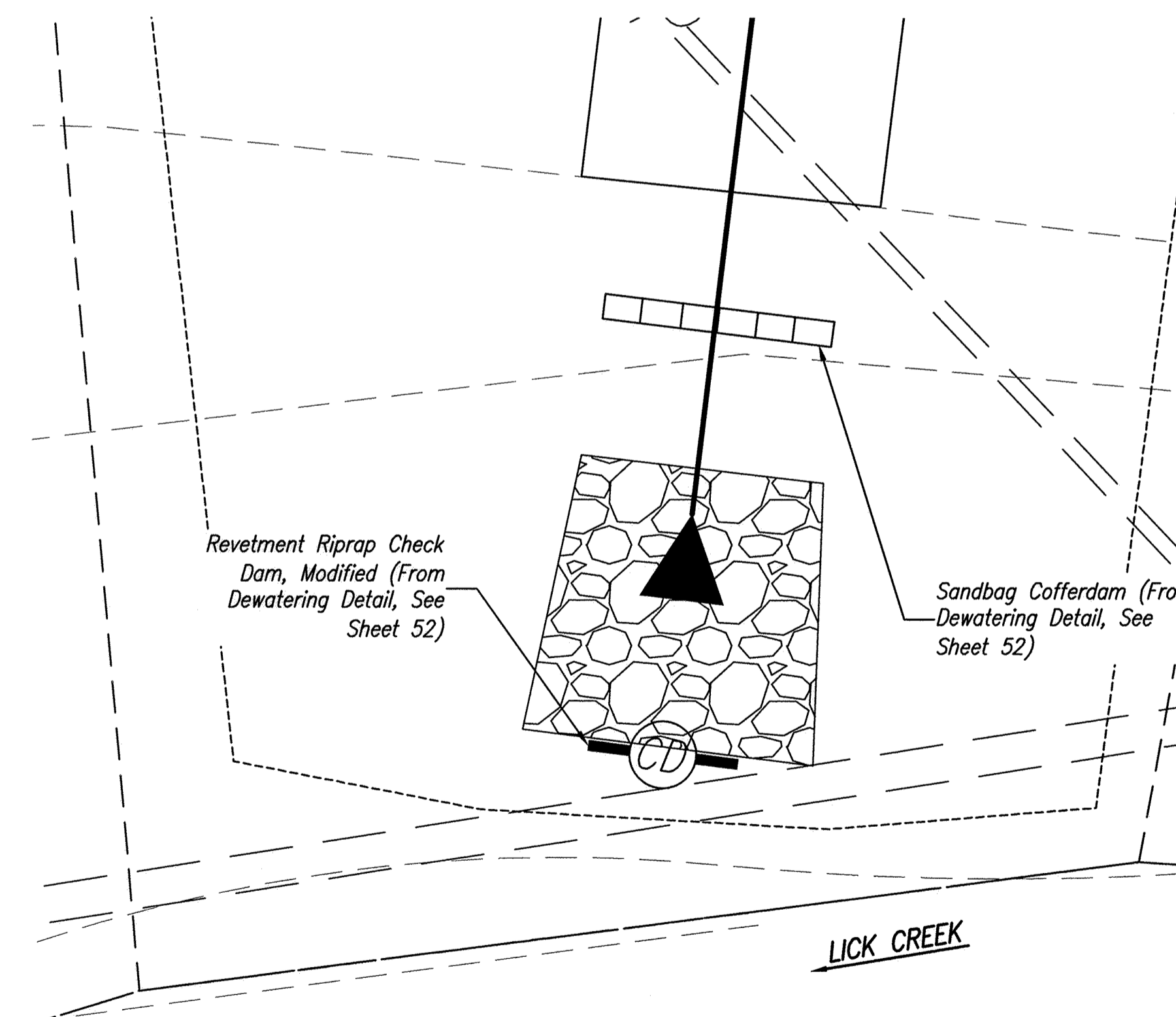
DETAIL 'A' - STR. NO. 30 OUTFALL



DETAIL 'B' - STR. NO. 40 & 41 OUTFALLS

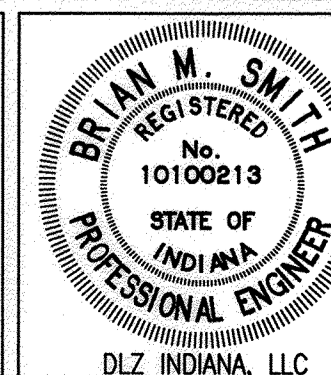
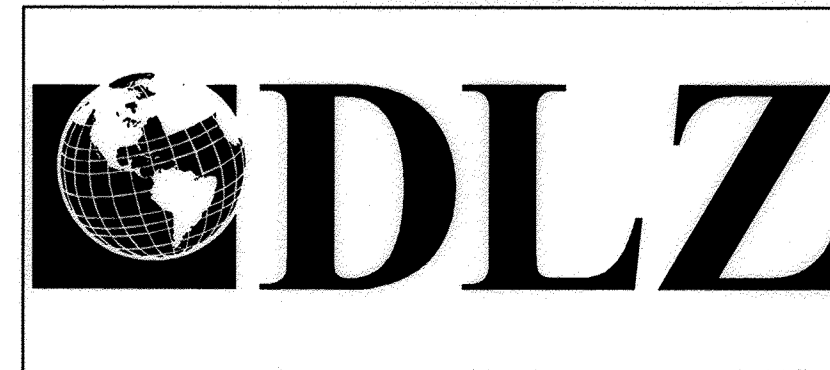


DETAIL 'C' - STR. NO. 47 OUTFALL



DETAIL 'D' - STR. NO. 68 OUTFALL

Date: Mar 13, 2015, 11:02am User: dr\_dhoover  
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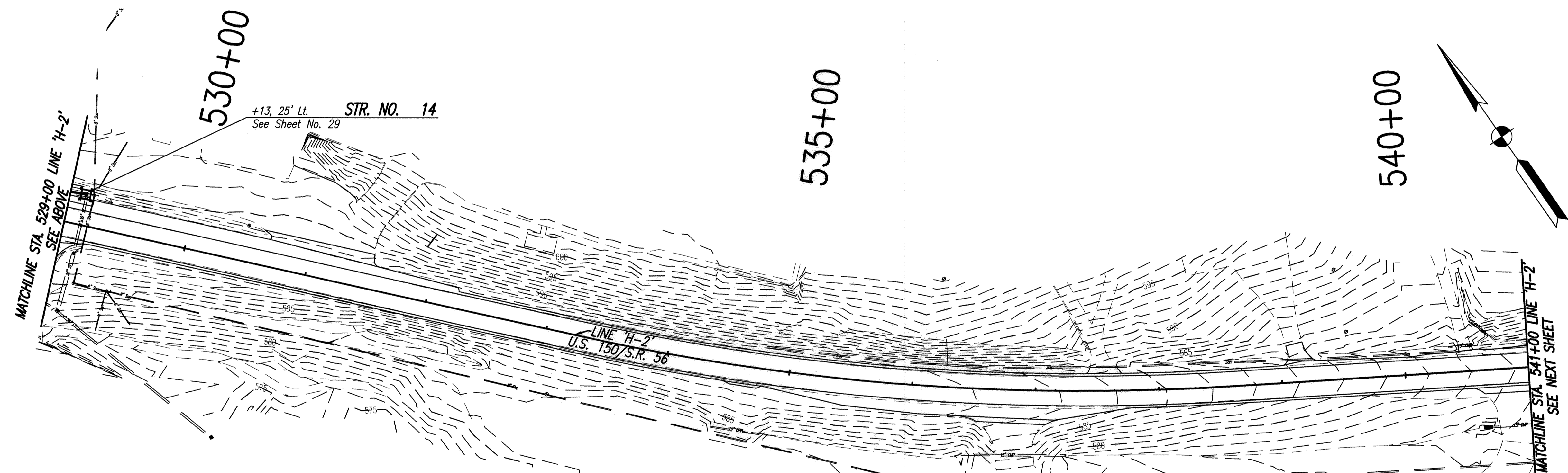
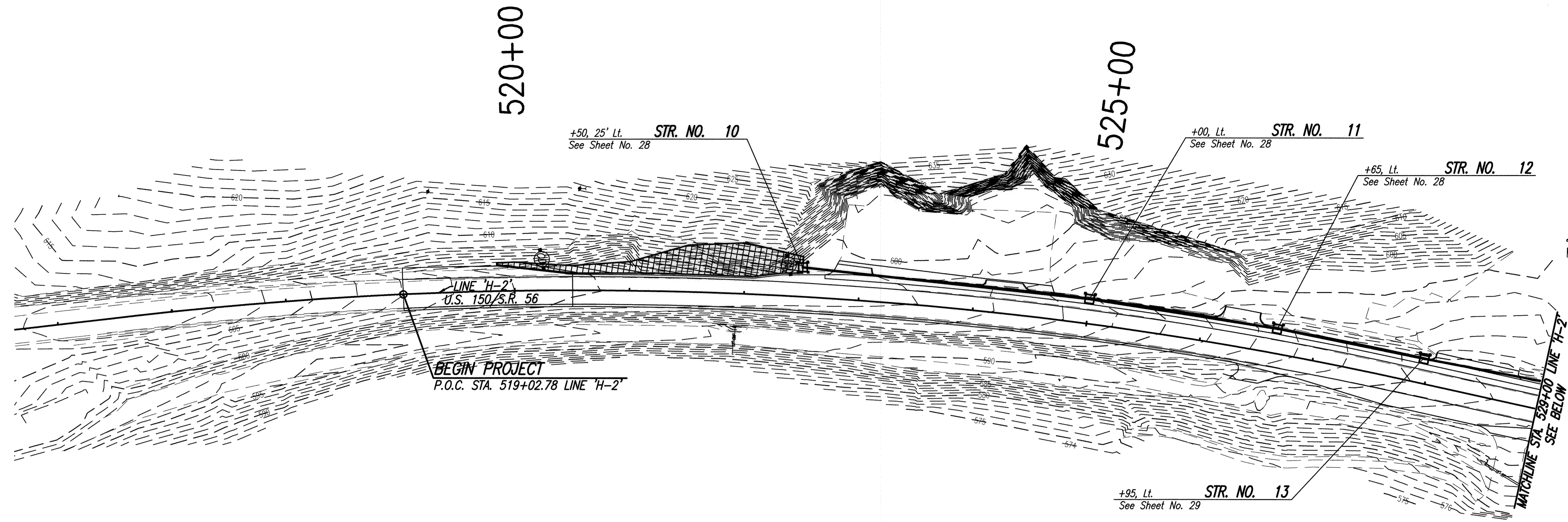
RECOMMENDED FOR APPROVAL *B.M.S.* 3-12-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA  
 DEPARTMENT OF TRANSPORTATION

DETAILS  
 STORM SEWER OUTFALLS

HORIZONTAL SCALE	1" = 5'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	53 of 158
CONTRACT	PROJECT
R-31710	0710(980)



**LEGEND**

	Temporary Check Dam, Revetment Riprap, Modified (See Standard Drawing 205-TECD-01)
	Temporary Curb Inlet Protection (See Standard Drawing No. 205-TECI-04)
	Temporary Ditch Inlet Protection, Geotextile Box (See Standard Drawing 205-TECI-02)
	Erosion Control Blanket (See Detail, Sheet No. 52)

- NOTES**
1. This Erosion Control Plan Shall Be Considered A Minimum Application. The Contractor Shall Be Responsible For Promptly And Properly Addressing Unforeseen Erosion In Accordance With The Indiana Storm Water Quality Manual And The INDOT Standard Specifications.
  2. The Contractor Shall Keep An Up-To-Date Record Onsite Of Any Alterations To The Storm Water Pollution Prevention Plan Per The INDOT Standard Specifications.
  3. The Contractor Has Full Responsibility Of Inspecting And Maintaining The Erosion Control Measures On a Daily Basis. At Minimum, Practices Shall Be Inspected Weekly, Within 24 Hours After Each Storm Event Over 1/2 Inch And Daily During Prolonged Storm Events. Failing Practices Shall Be Repaired Or Replaced Immediately.
  4. The Contractor Shall Control Dust Onsite Using Methods That Comply With The Indiana Storm Water Quality Manual And The INDOT Standard Specifications.
  5. Any Sediment Tracked Out of Project Area Onto Public Streets Shall Be Cleaned Up The Same Day It Occurs.
  6. Silt Fence Shall Be Set In Place Before Any Of The Soil Contained By The Fence Is Disturbed.
  7. Erosion Control Blankets Shall Be Installed Immediately After Final Grade Is Achieved.
  8. All Erosion Control Measures Shall Remain And Be Maintained Until The Contributing Portion Of Site Is Stabilized With Final Ground Cover.
  9. Temporary Seeding Shall Be Installed On Any Cleared Area That Will Be Undisturbed For 7 Days Or More. See This Sheet For Quantities.
  10. For Temporary And Permanent Seeding, A Total Of 6 Mobilization And Demobilization For Seeding Have Been Included In The Contract.
  11. For Temporary Seeding, A Total Of 80 Lb. Of Seed Mixture, T And 6 Tons Of Temporary Mulching Material Have Been Included In The Contract.
  12. For Permanent Seeding, A Total Of 620 SYS Of Mulched Seeding, R, 160 SYS Of Mulched Seeding, B, And 4920 SYS Of Sodding Have Been Included In The Contract.

Date: Mar 13, 2015, 11:02am User: dlz\dlz User: dlz\dlz  
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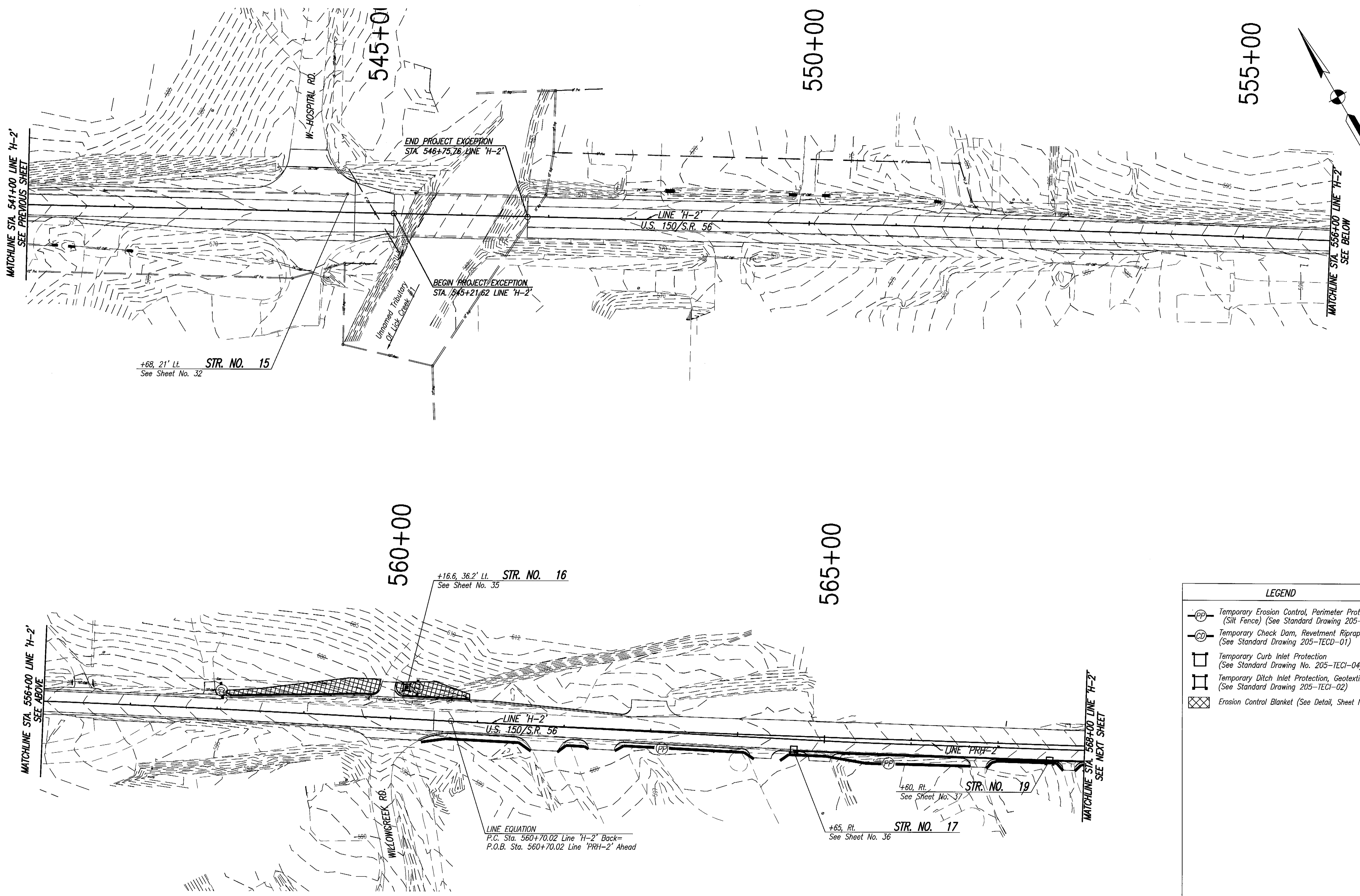


RECOMMENDED FOR APPROVAL	<i>BML</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**EROSION CONTROL PLAN**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	54 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Apr 14, 2015, 12:01pm User: ID: vso5tylew  
 File: M:\PROJECTS\0861\2730\2015\civil\dwg\Main\2015EC11.dwg Modif: Tab: Plan Set



+68, 21' Lt. STR. NO. 15  
 See Sheet No. 32

+16.6, 36.2' Lt. STR. NO. 16  
 See Sheet No. 35

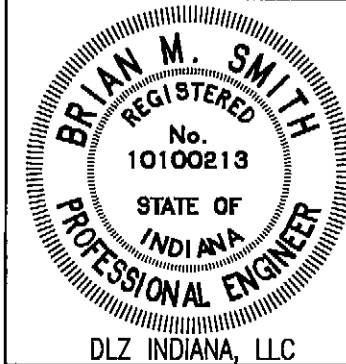
+60, Rt. STR. NO. 19  
 See Sheet No. 37

+65, Rt. STR. NO. 17  
 See Sheet No. 36

LINE EQUATION  
 P.C. Sta. 560+70.02 Line 'H-2' Back=  
 P.O.B. Sta. 560+70.02 Line 'PRH-2' Ahead

**LEGEND**

- Temporary Erosion Control, Perimeter Protection (Silt Fence) (See Standard Drawing 205-TECP-02)
- Temporary Check Dam, Revetment Riprap, Modified (See Standard Drawing 205-TECD-01)
- Temporary Curb Inlet Protection (See Standard Drawing No. 205-TECI-04)
- Temporary Ditch Inlet Protection, Geotextile Box (See Standard Drawing 205-TECI-02)
- Erosion Control Blanket (See Detail, Sheet No. 52)



RECOMMENDED FOR APPROVAL	<i>Rmk</i>	4-14-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

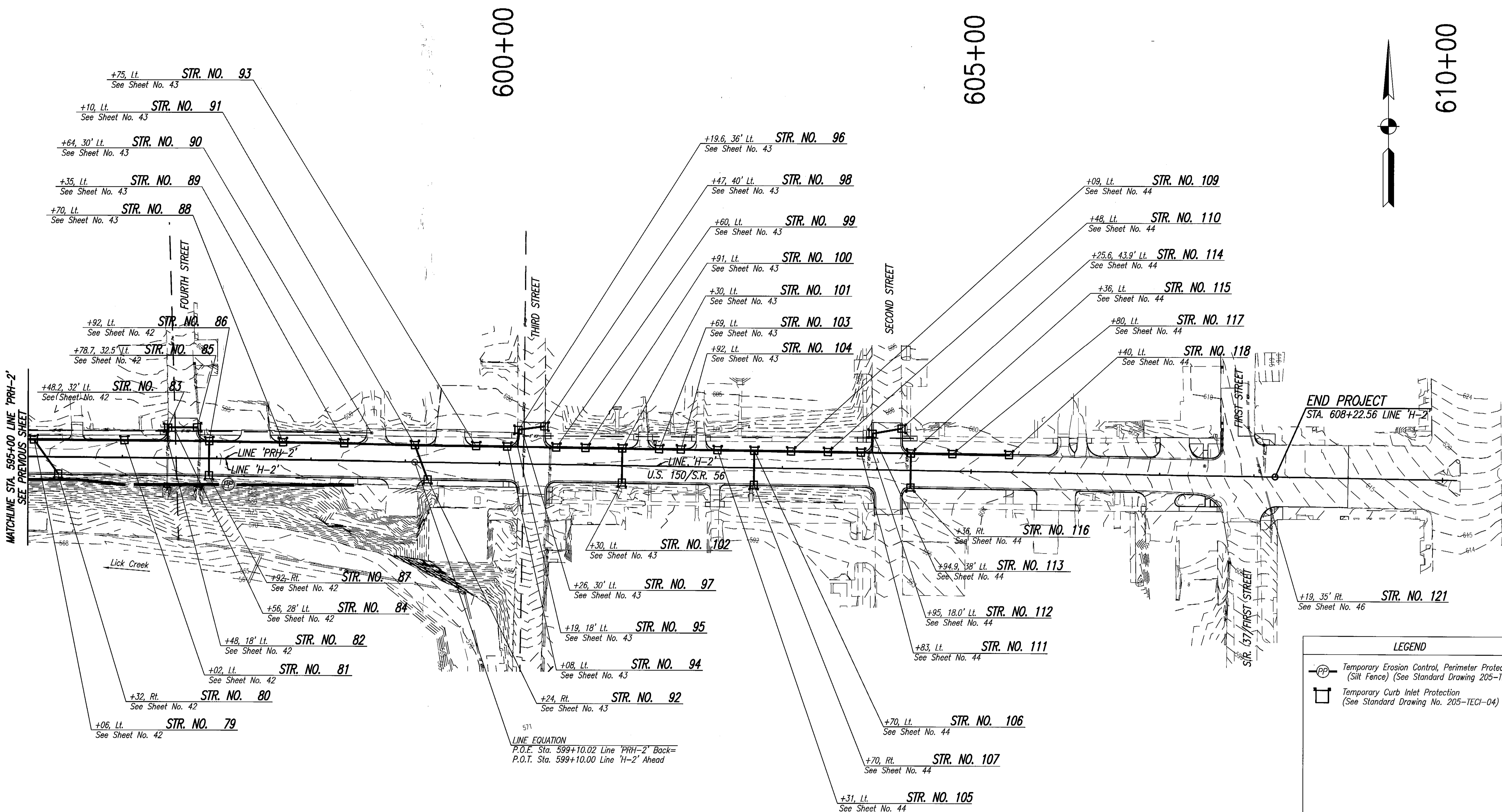
**EROSION CONTROL PLAN**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	55 of 158
CONTRACT	PROJECT
R-31710	0710(980)



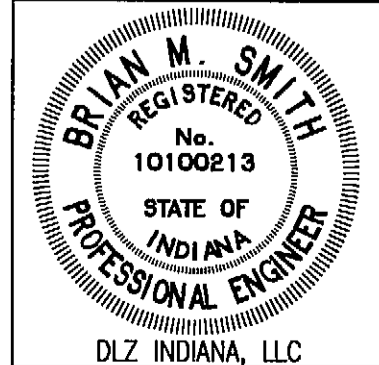


Date: Apr 14, 2015, 12:00 pm User: ID: vstaylor  
 File: M:\PROJECTS\0861\2730\2015\civil\dwg\Main\2015ECT13.dwg Model Tab: Plan Set



**LINE EQUATION**  
 P.O.E. Sta. 599+10.02 Line 'PRH-2' Back=  
 P.O.T. Sta. 599+10.00 Line 'H-2' Ahead

LEGEND	
	Temporary Erosion Control, Perimeter Protection (Silt Fence) (See Standard Drawing 205-TECP-02)
	Temporary Curb Inlet Protection (See Standard Drawing No. 205-TECI-04)



RECOMMENDED FOR APPROVAL	<i>RML</i> 4-14-15	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**EROSION CONTROL PLAN**

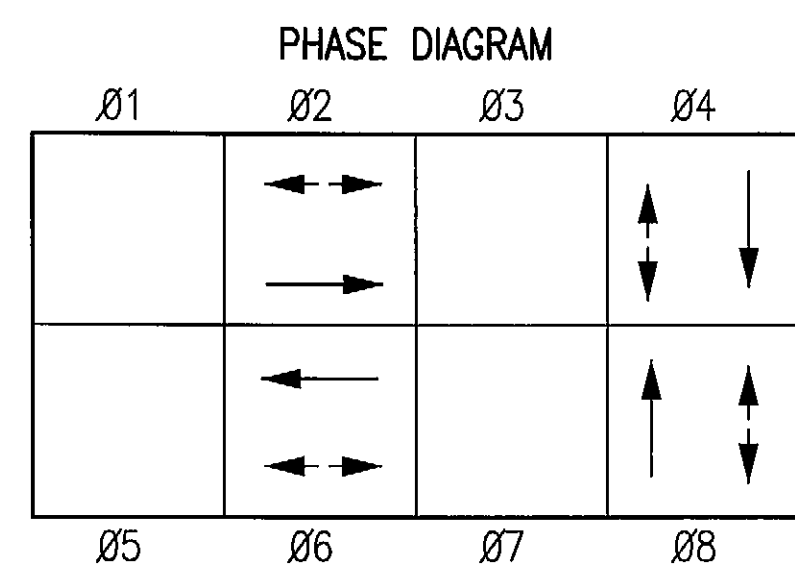
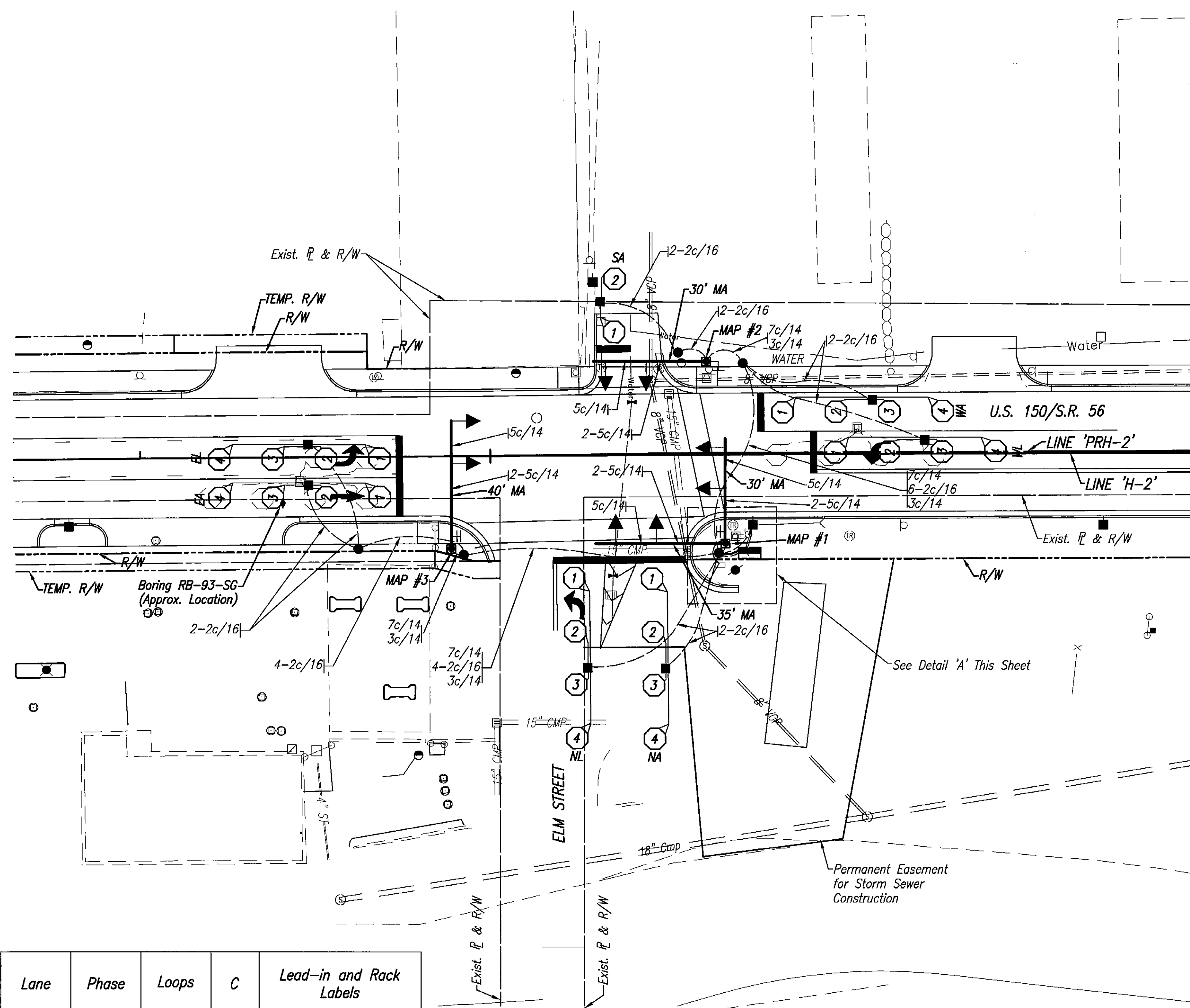
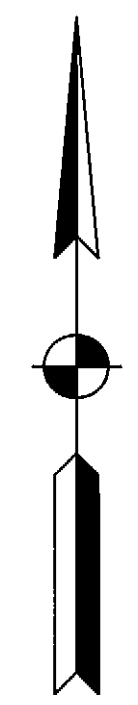
HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	57 of 158
CONTRACT	PROJECT
R-31710	0710(980)

589

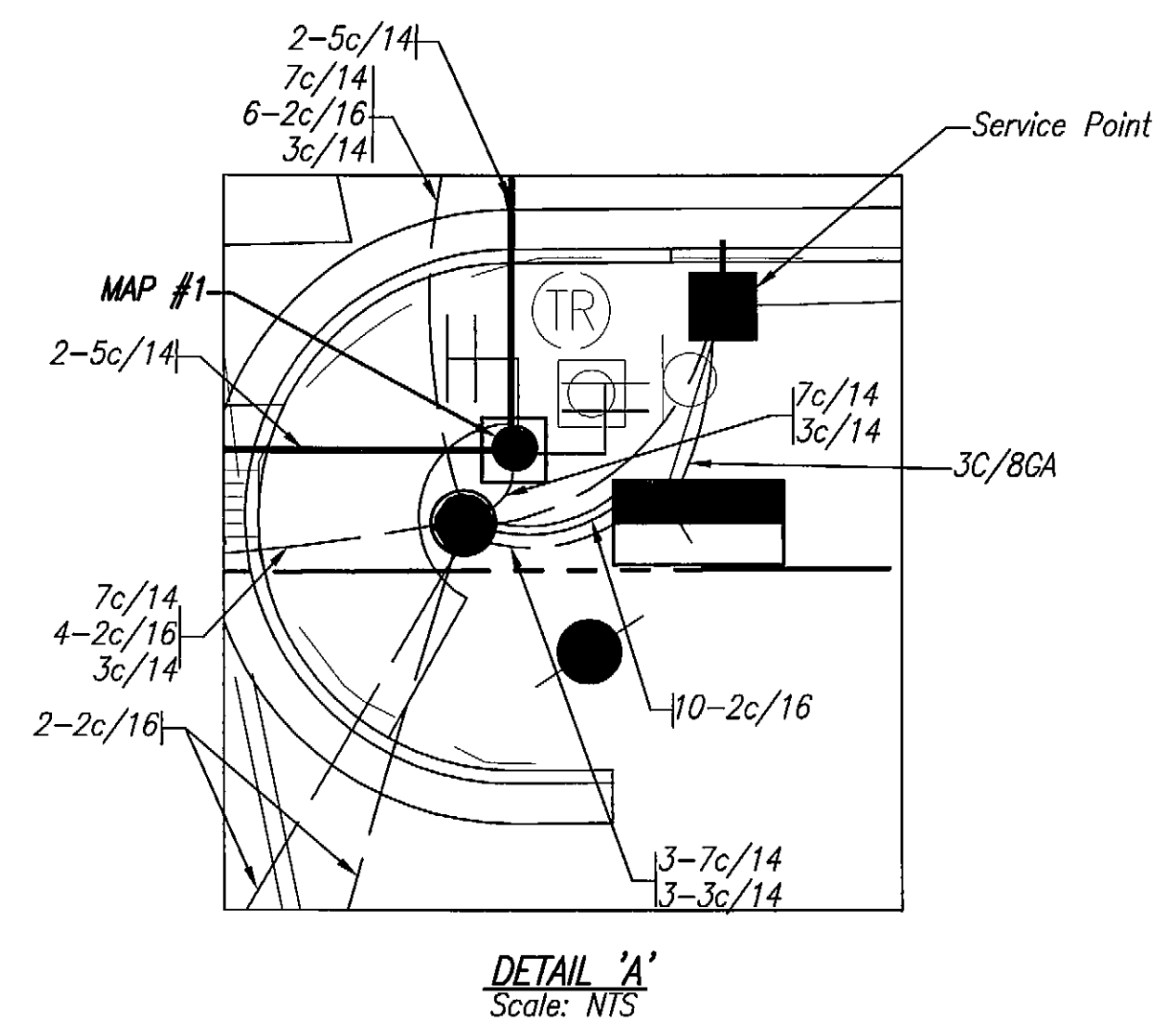
590

591

592



NO PREFERENCE  
ELM STREET FLASHES RED  
US 150/SR 56 FLASHES RED



- NOTES:**
1. For Sheet Signs Mounted on Traffic Signal, See Sheet No. 64.
  2. Coordinate With Town Of Paoli Water Department Prior To Mast Arm Pole Installation.

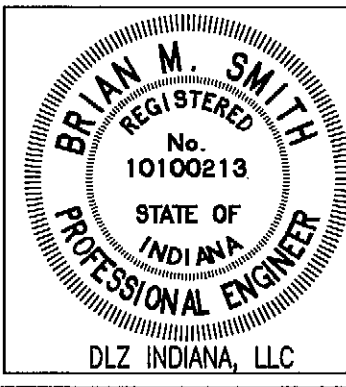
- LEGEND**
- 2" Galvanized Steel Conduit
  - Signal Handhole
  - Existing Power Pole
  - Mast Arm Pole
  - ⊥ 18" LED Pedestrian Signal Indicator With Countdown Timer, Pushbutton, And R10-4 (9"x15") Sign
  - ← 1-Way, 3-Section (12" Red LED, 12" Amber LED, 12" Green LED) Signal Indication, With Backplate
  - 8 Phase Fully Actuated Menu Driven Secondary Controller And Cabinet On 'P-1' Foundation
  - Detector Housing

Direction	Lane	Phase	Loops	C	Lead-in and Rack Labels
N	L	8	4	*	-NL8-4*
N	A	8	4	*	-NA8-4*
E	L	2	4	*	-EL2-4*
E	A	2	4	*	-EA2-4*
S	A	4	2	*	-SA4-2*
W	L	5	4	*	-WL5-4*
W	A	5	4	*	-WA5-4*
N	L	8	1, 2, 3		-NL8-1,2,3
N	A	8	1, 2, 3		-NA8-1,2,3
E	L	2	1, 2, 3		-EL2-1,2,3
E	A	2	1, 2, 3		-EA2-1,2,3
S	A	4	1		-SA4-1
W	L	5	1, 2, 3		-WL5-1,2,3
W	A	5	1, 2, 3		-WA5-1,2,3

FOUNDATION	LINE	STATION	OFFSET
MAP #1	'PRH-2'	590+66	26' RT.
MAP #2	'PRH-2'	590+62	27' LT.
MAP #3	'PRH-2'	589+89	27' RT.
CONTROLLER	'PRH-2'	590+70	32' RT.

COMMISSION NO. 01-059-004

Date: Apr 14, 2015, 12:00pm User: kwooley File: M:\PROJ\0861\2750\2015\plan\Sign\Misc\20150505.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL *Rink* 4-14-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN  
U.S. 150/S.R. 56 AND ELM STREET

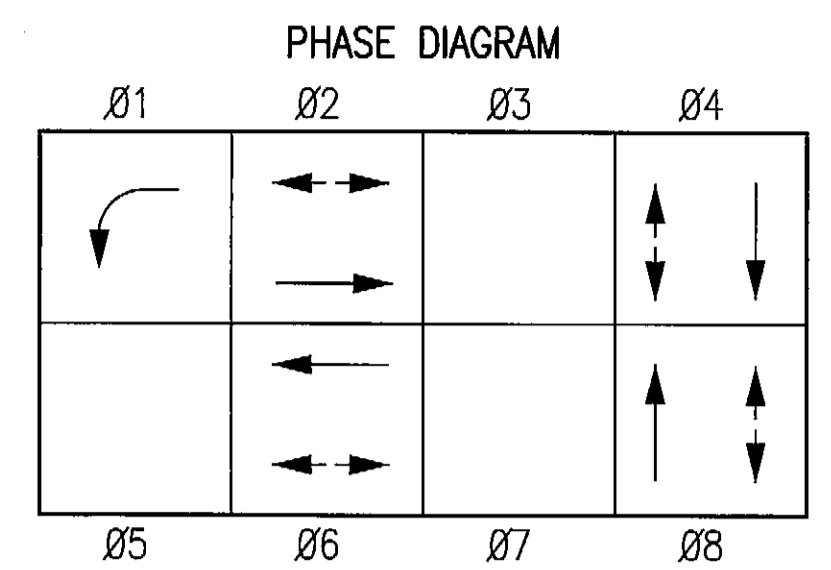
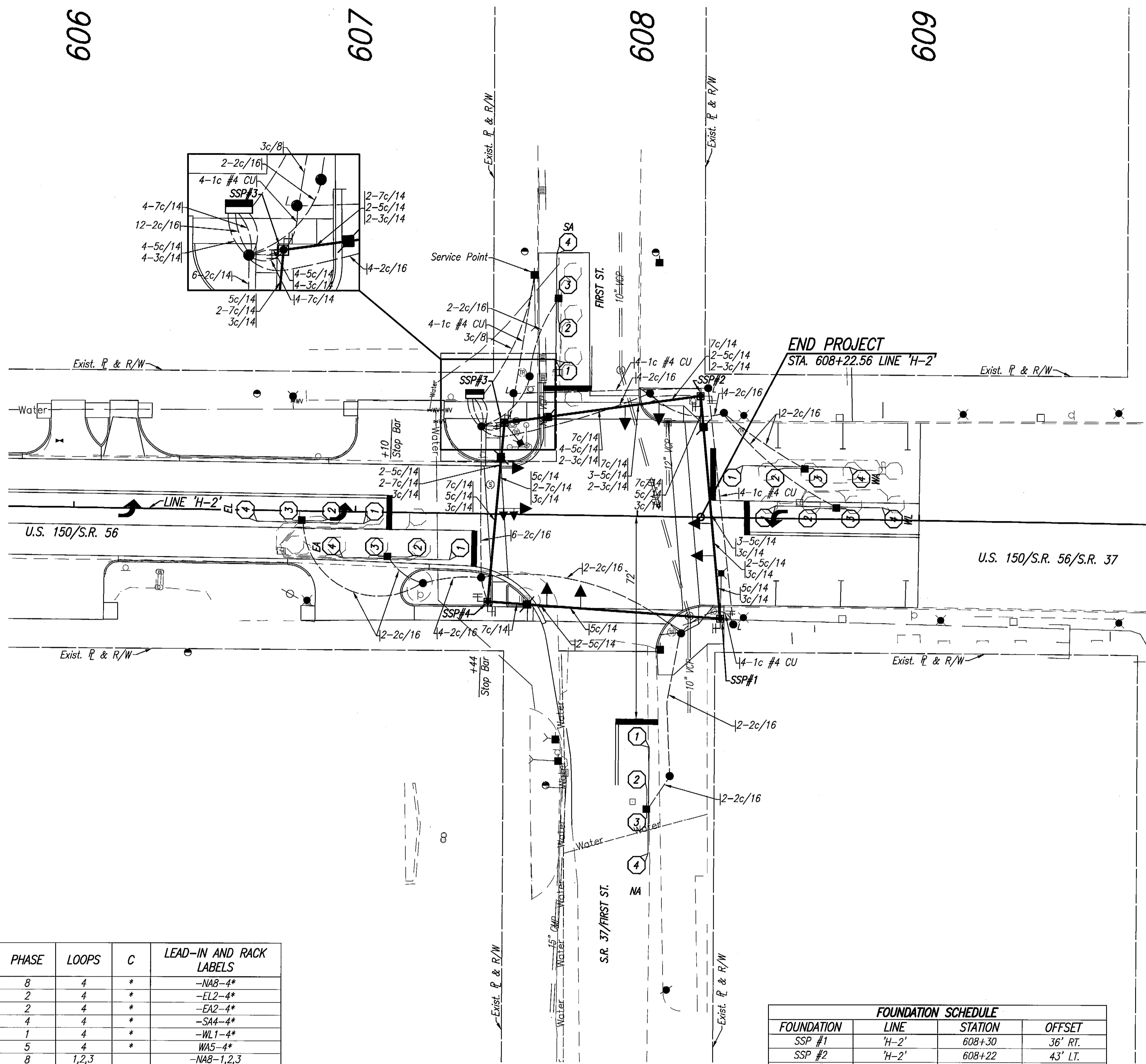
HORIZONTAL SCALE 1" = 20'	DESIGNATION 0710980
SURVEY BOOK ELECTRONIC	SHEETS 58 of 158
CONTRACT R-31710	PROJECT 0710(980)

606

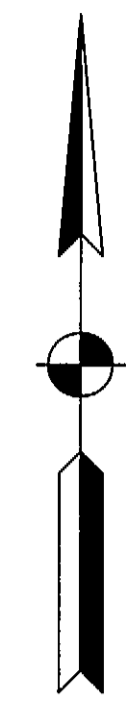
607

608

609



NO PREFERENCE  
 US 150/SR 56 FLASHES RED  
 FIRST STREET FLASHES RED



**NOTES:**

1. For Sheet Signs Mounted On Traffic Signal, See Sheet No. 64.

**LEGEND**

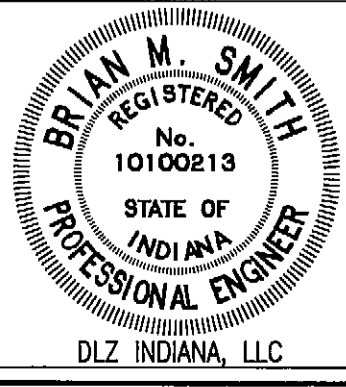
- Span, Catenary, And Tether
- 2" Galvanized Steel Conduit
- Signal Handhole
- Lighting Handhole
- Existing Power Pole
- ⊙ Existing Street Light, Use in Place
- ⊙ 400 Watt High Pressure Sodium Roadway Luminaire Mounted On 25' Mast Arm
- 36' Steel Strain Pole
- Disconnect Hanger
- Detector Housing
- ⊥ 18" LED Pedestrian Signal Indicator With Countdown Timer, Pushbutton, And R10-4 (9"x15") Sign
- ← 1-Way, 3-Section (12" Red LED, 12" Amber LED, 12" Green LED) Signal Indication, With Backplate.
- ← 1-Way, 5-Section (12" Red LED, 12" Amber LED, 12" Green LED, 12" Amber Arrow Lt. LED, 12" Green Arrow Lt. LED) Signal Indication With Backplates
- 8 Phase Fully Actuated Menu Driven Secondary Controller And Cabinet On 'P-1' Foundation

FOUNDATION SCHEDULE			
FOUNDATION	LINE	STATION	OFFSET
SSP #1	'H-2'	608+30	36' RT.
SSP #2	'H-2'	608+22	43' LT.
SSP #3	'H-2'	607+52	33' LT.
SSP #4	'H-2'	607+61	30' RT.
CONTROLLER	'H-2'	607+46	42' LT.

DIRECTION	LANE	PHASE	LOOPS	C	LEAD-IN AND RACK LABELS
N	A	8	4	*	-NAB-4*
E	L	2	4	*	-EL2-4*
E	A	2	4	*	-EA2-4*
S	A	4	4	*	-SA4-4*
W	L	1	4	*	-WL1-4*
W	A	5	4	*	-WA5-4*
N	A	8	1,2,3		-NAB-1,2,3
E	L	2	1,2,3		-EL2-1,2,3
E	A	2	1,2,3		-EA2-1,2,3
S	A	4	1,2,3		-SA4-1,2,3
W	L	1	1,2,3		-WL1-1,2,3
W	A	6	1,2,3		-WA6-1,2,3

COMMISSION NO. 01-059-001

Date: Apr 15, 2015, 8:58am User: ID: usturnak File: I:\PROJECTS\01-059-001\01-059-001.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL *BML* 4-14-15  
 DESIGN ENGINEER DATE

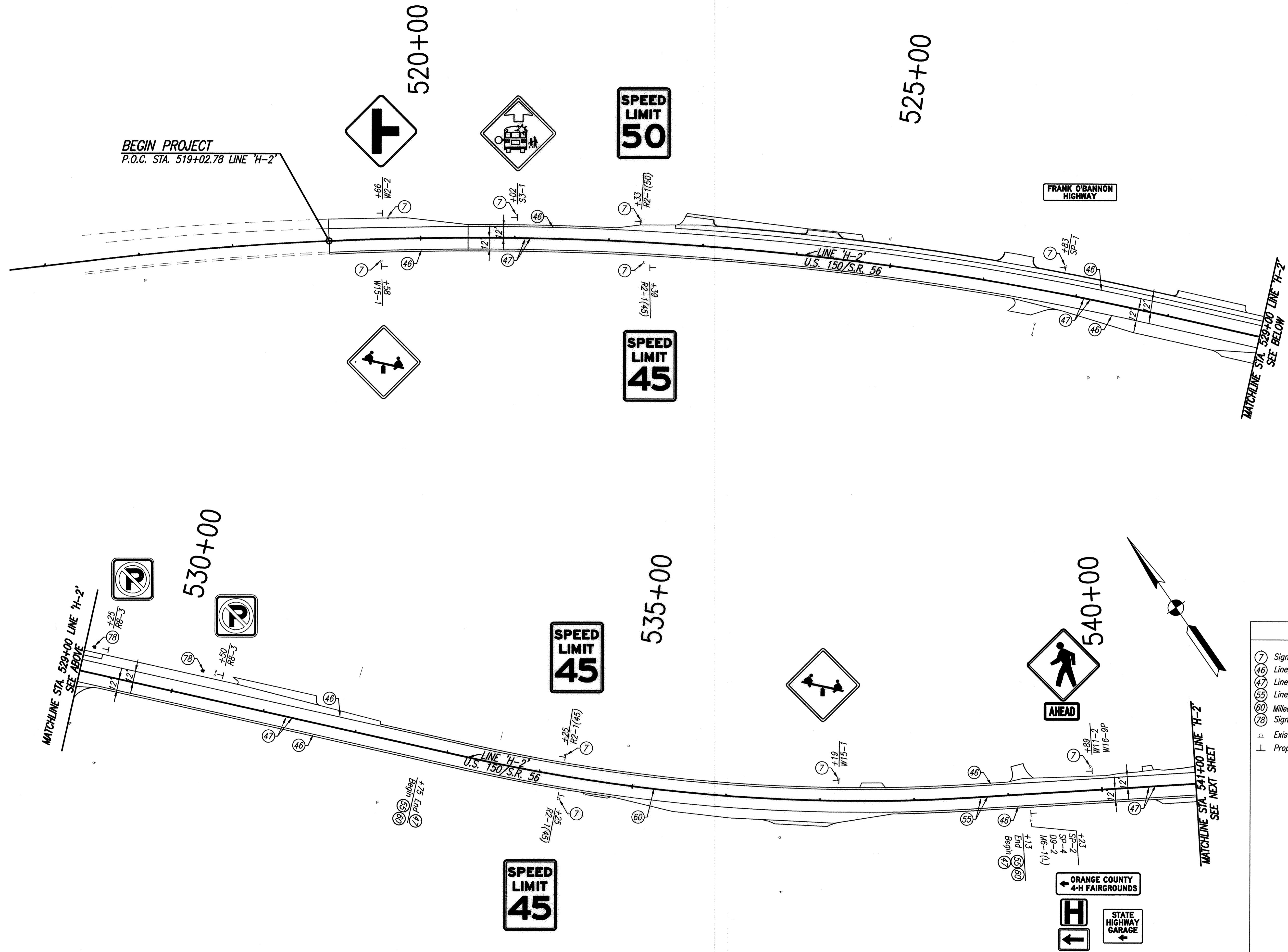
DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

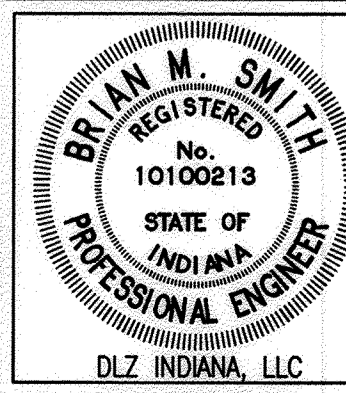
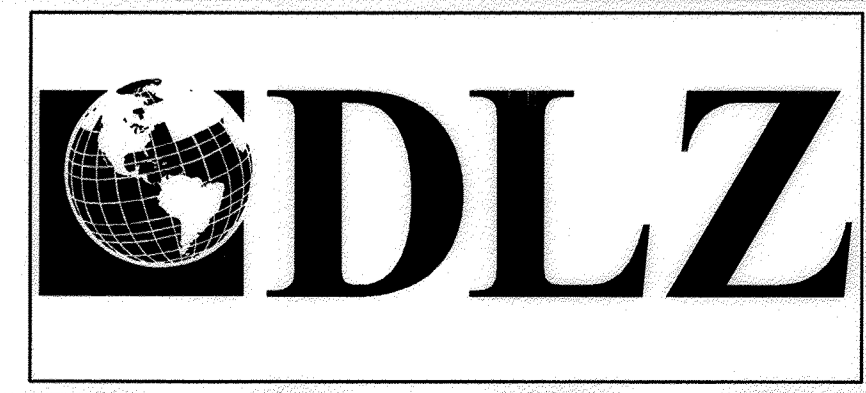
**SIGNAL PLAN**  
 U.S. 150/S.R. 56 AND S.R. 37/FIRST STREET

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	59 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Mar 13, 2015, 11:04am User ID: dhoover  
 File: M:\PROJ\0861\2730\2015\civil\dwg\Misc\2015PM10.dwg Model Tab: Plan Set



LEGEND	
(7)	Sign And Supports, Channel Posts, Remove
(46)	Line, Thermoplastic, Solid, White, 4"
(47)	Line, Thermoplastic, Solid, Yellow, 4"
(55)	Line, Paint, Solid, Yellow, 4"
(60)	Milled Corrugations (For Locations, See Table, Sheet No. 3)
(78)	Sign, Remove (From Existing Utility Pole)
⊥	Existing Ground Mounted Sheet Sign
⊥	Proposed Ground Mounted Sheet Sign

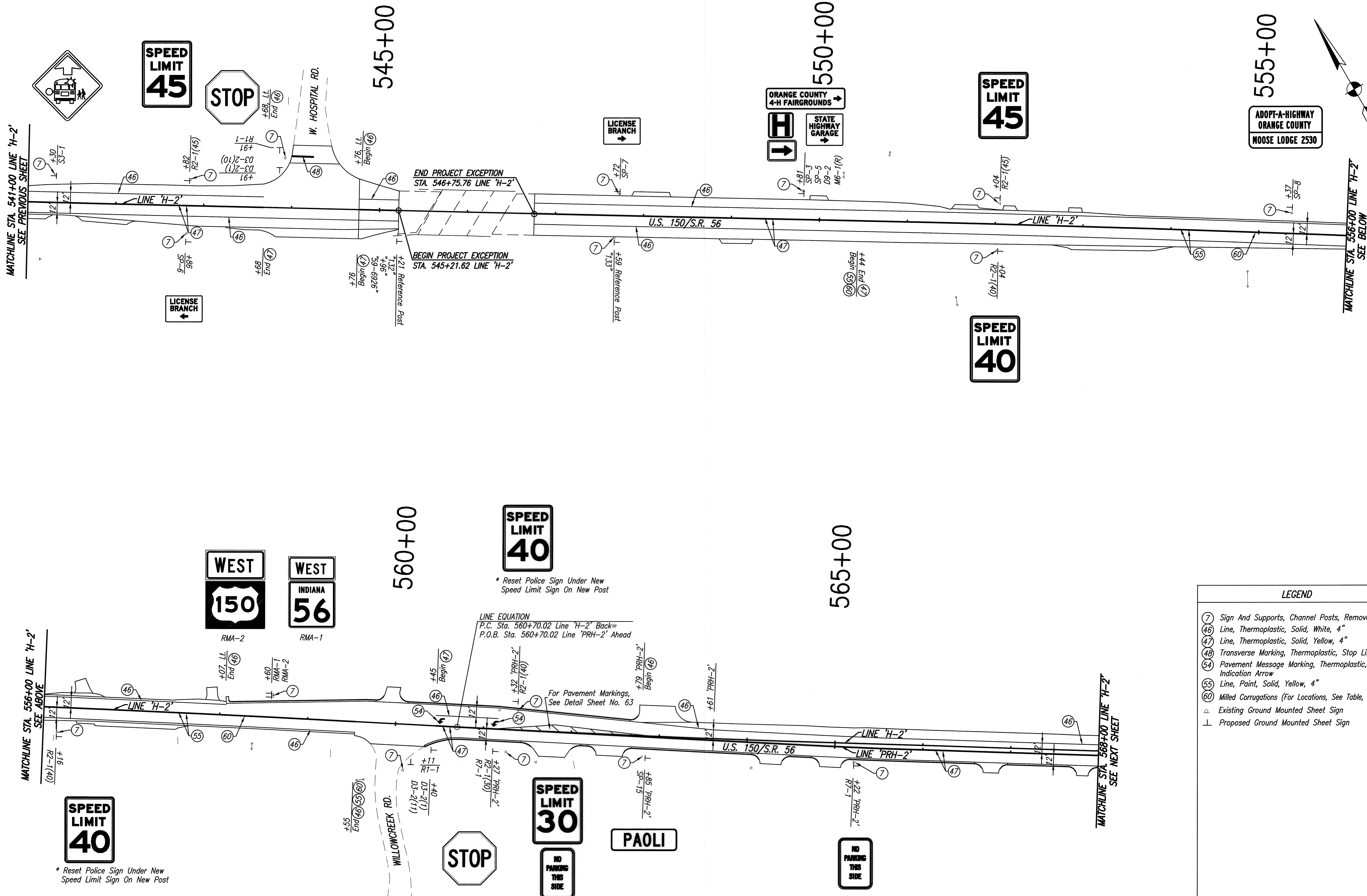


RECOMMENDED FOR APPROVAL	<i>B. Smith</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 60 of 158
ELECTRONIC CONTRACT	PROJECT R-31710 0710(980)



**LEGEND**

- (7) Sign And Supports, Channel Posts, Remove
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Transverse Marking, Thermoplastic, Stop Line, 24"
- (54) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (55) Line, Paint, Solid, Yellow, 4"
- (60) Milled Corrugations (For Locations, See Table, Sheet No. 3)
- △ Existing Ground Mounted Sheet Sign
- └ Proposed Ground Mounted Sheet Sign

**SPEED LIMIT 40**

\* Reset Police Sign Under New Speed Limit Sign On New Post

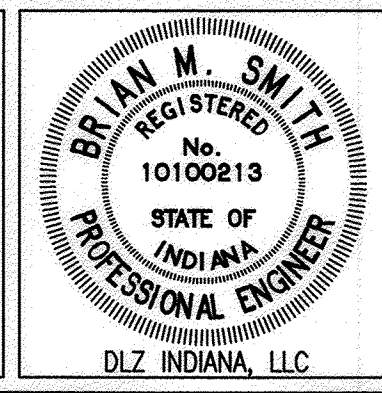
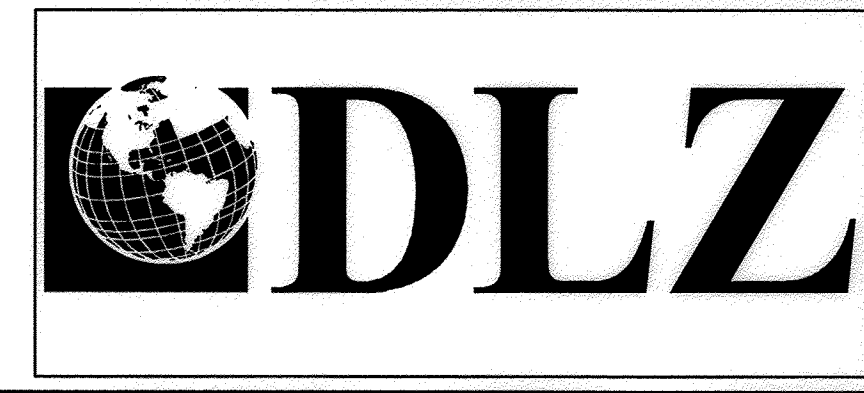
**SPEED LIMIT 40**

\* Reset Police Sign Under New Speed Limit Sign On New Post

**LINE EQUATION**  
 P.C. Sta. 560+70.02 Line 'H-2' Back=  
 P.O.B. Sta. 560+70.02 Line 'PRH-2' Ahead

For Pavement Markings,  
 See Detail Sheet No. 63

Date: Mar 13, 2015, 11:04am User: ID: dhoover  
 File: M:\PROJ\0861\2730\2015\Civil\chgs\Misc\2015PM11.dwg Model Tab: Plan Sst



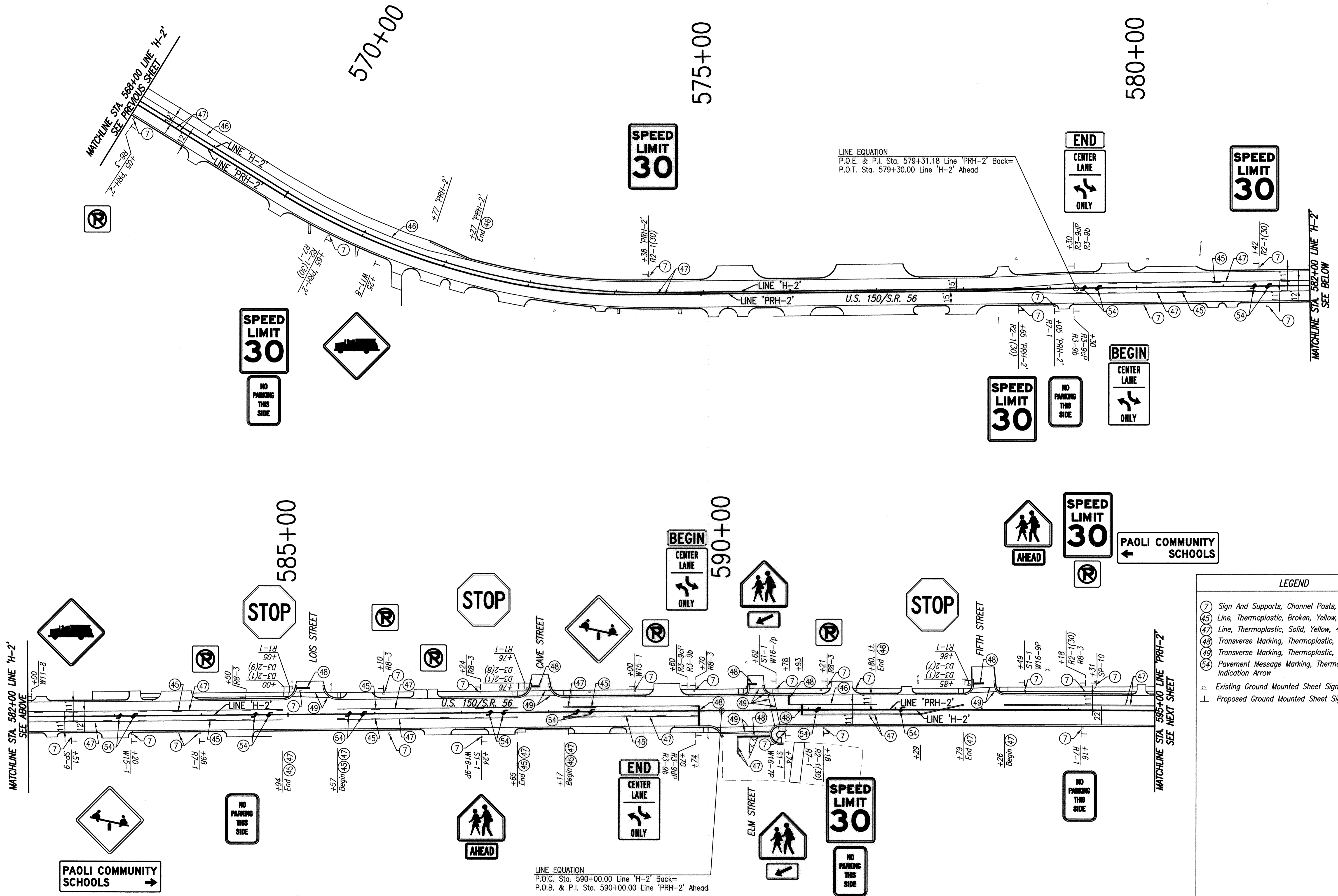
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DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	61 of 158
CONTRACT	PROJECT
R-31710	0710(980)

Date: Mar 13, 2015, 11:04am User: id\_dhopper  
 File: M:\PROJ\0661\2730\2015\dwg\dwg\Main\2015PM12.dwg Model Tab: Plan Set



**LINE EQUATION**  
 P.O.E. & P.I. Sta. 579+31.18 Line 'PRH-2' Back=  
 P.O.T. Sta. 579+30.00 Line 'H-2' Ahead

**LINE EQUATION**  
 P.O.C. Sta. 590+00.00 Line 'H-2' Back=  
 P.O.B. & P.I. Sta. 590+00.00 Line 'PRH-2' Ahead

**LEGEND**

- (7) Sign And Supports, Channel Posts, Remove
- (45) Line, Thermoplastic, Broken, Yellow, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Transverse Marking, Thermoplastic, Stop Line, 24"
- (49) Transverse Marking, Thermoplastic, Crosswalk Line, 6"
- (54) Pavement Message Marking, Thermoplastic, Lane Indication Arrow

▴ Existing Ground Mounted Sheet Sign  
 ▴ Proposed Ground Mounted Sheet Sign

**BRIAN M. SMITH**  
 REGISTERED  
 No. 10100213  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	<i>Kate</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PAVEMENT MARKING AND SIGNING PLAN**

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	62 of 158
CONTRACT	PROJECT
R-31710	0710(980)

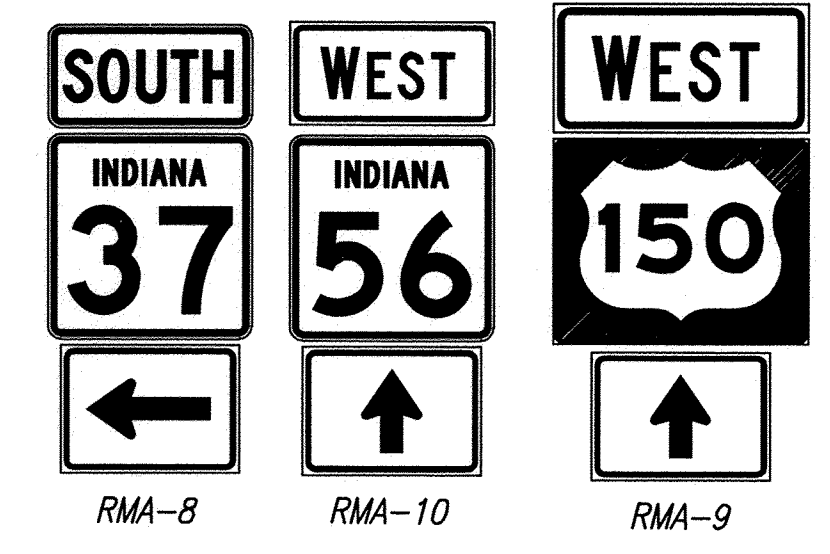
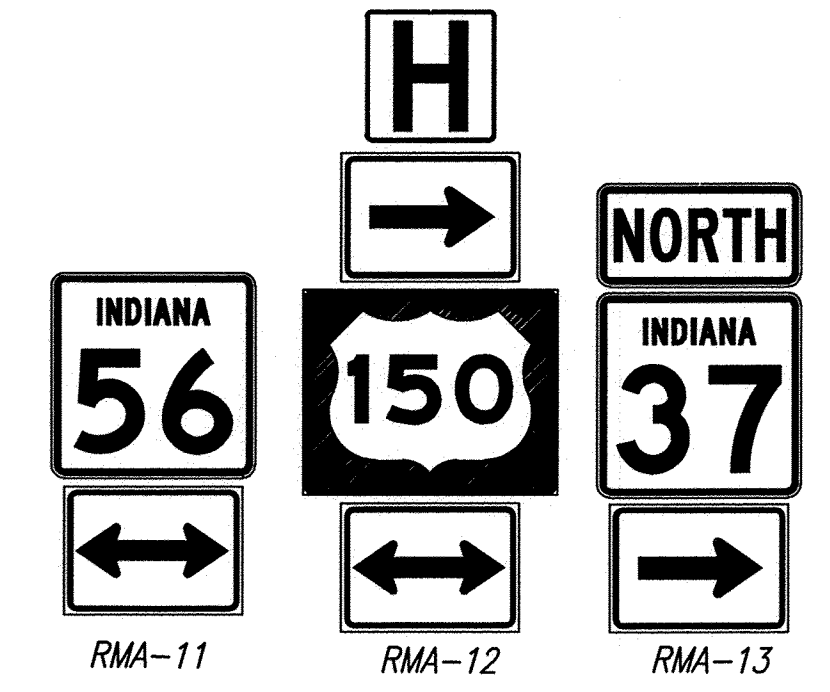
Date: Mar 13, 2015, 2:03pm User ID: dhoover  
 File: M:\PROJ\0661\2730\2015\Civil\dwg\Misc\2015PRM13.dwg Model Tab: Plan Sht

MATCHLINE STA. 595+00 LINE 'PRH-2'  
 SEE PREVIOUS SHEET

610+00

605+00

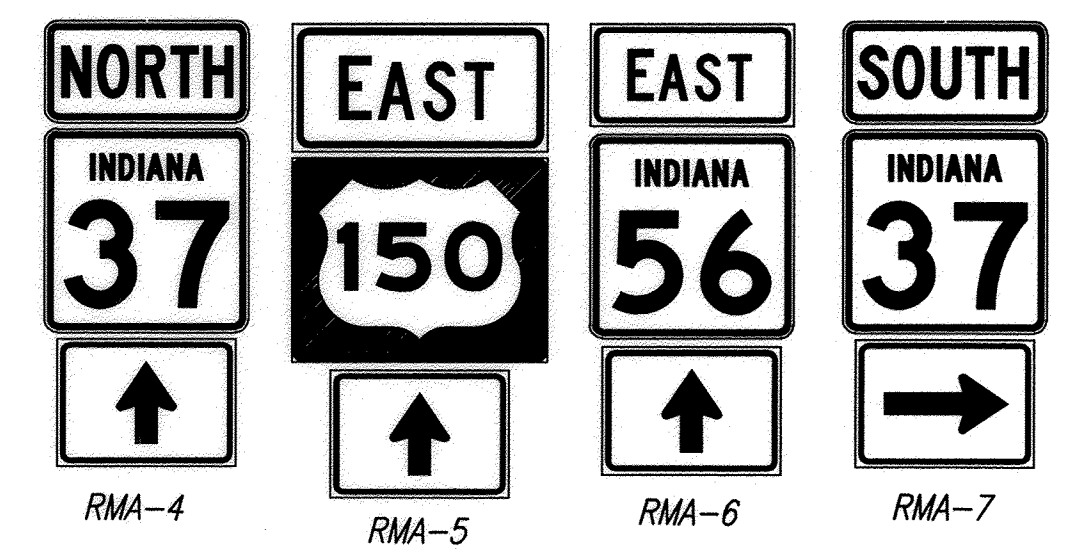
600+00



WEST BADEN 10  
 FRENCH LICK 11

PROSPECT 9  
 SHOALS 22

JCT  
 INDIANA  
 37  
 RMA-3



STOP

SPEED LIMIT 30

STOP

STOP

SPEED LIMIT 30

NO PARKING THIS SIDE

NO PARKING THIS SIDE

STOP

NO PARKING THIS SIDE

STOP

SPEED LIMIT 30

LINE EQUATION  
 P.O.E. Sta. 599+10.02 Line 'PRH-2' Back=  
 P.O.T. Sta. 599+10.00 Line 'H-2' Ahead

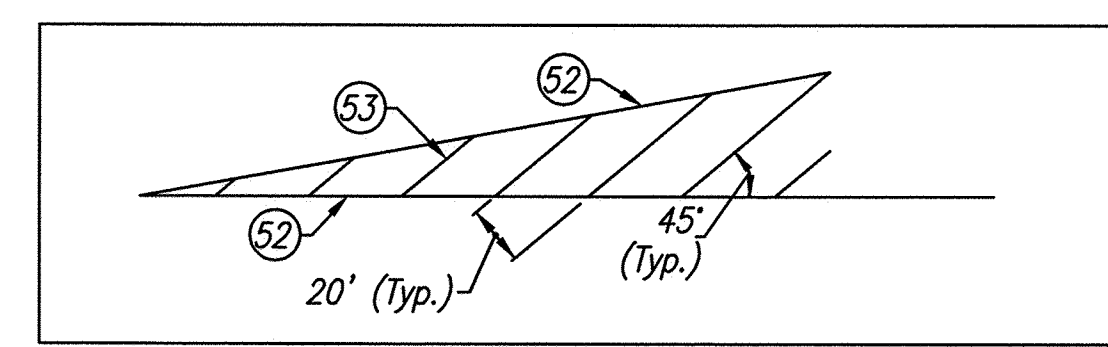
END PROJECT  
 STA. 608+22.56 LINE 'H-2'

Existing Concrete Pad Around Lithia Well

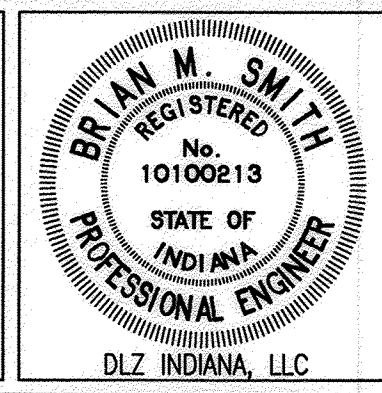
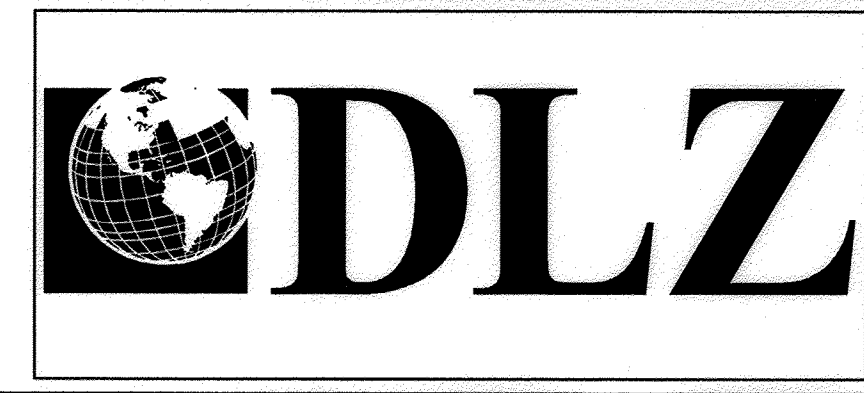
For Pavement Markings, See Detail, This Sheet

LEGEND

- (7) Sign And Supports, Channel Posts, Remove
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"
- (48) Transverse Marking, Thermoplastic, Stop Line, 24"
- (49) Transverse Marking, Thermoplastic, Crosswalk Line, 6"
- (52) Line, Thermoplastic, Solid, Yellow, 8"
- (53) Line, Thermoplastic, Solid, Yellow, 12"
- (54) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- ⊙ Existing Ground Mounted Sheet Sign
- ⊥ Proposed Ground Mounted Sheet Sign



TYPICAL HATCH MARKING DETAIL  
 N.T.S.



RECOMMENDED FOR APPROVAL	<i>K. M. L.</i> 3-12-15	
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PAVEMENT MARKING AND SIGNING PLAN

HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	DESIGNATION
	0710980
SURVEY BOOK	SHEETS
ELECTRONIC	63 of 158
CONTRACT	PROJECT
R-31710	0710(980)

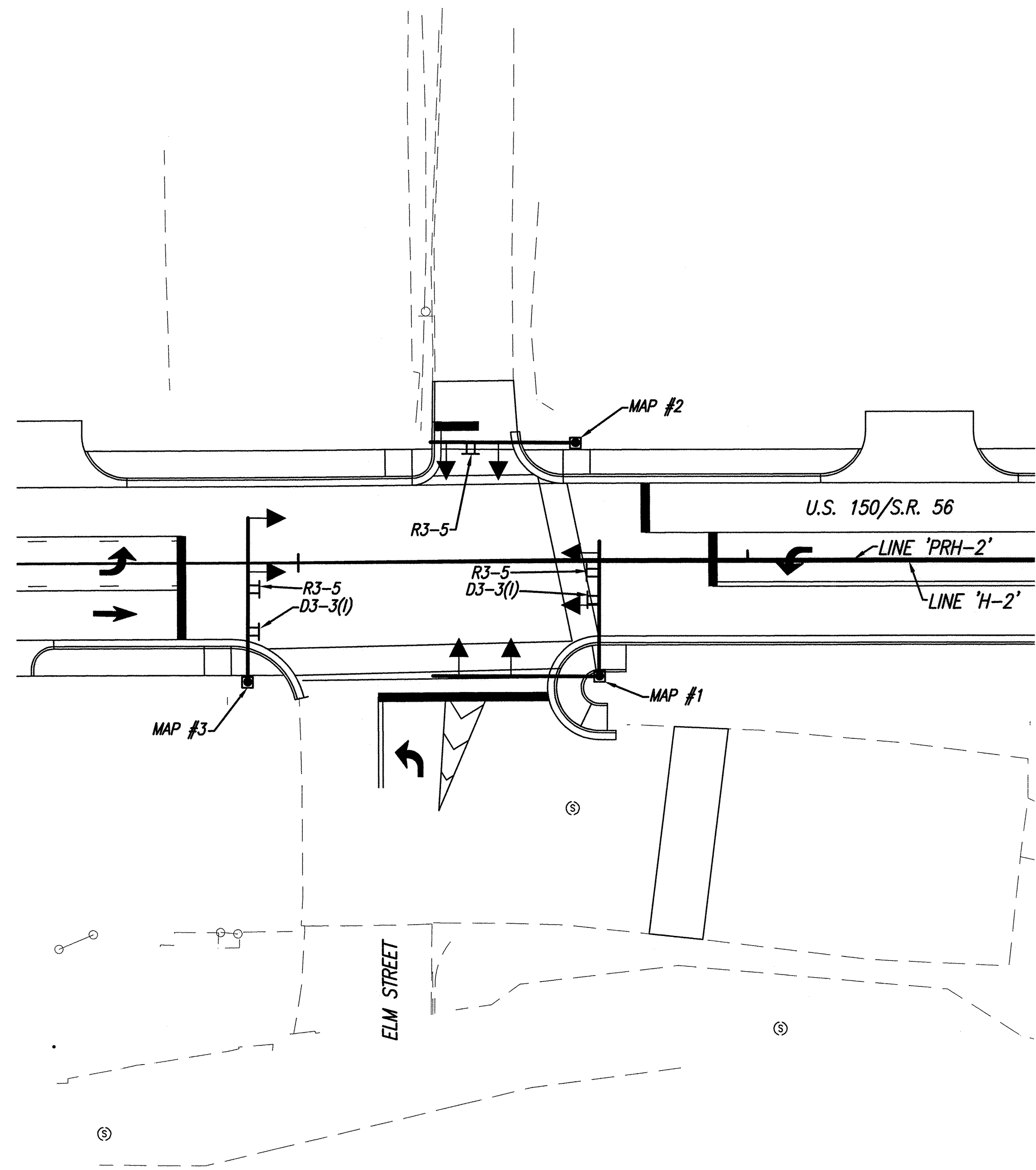
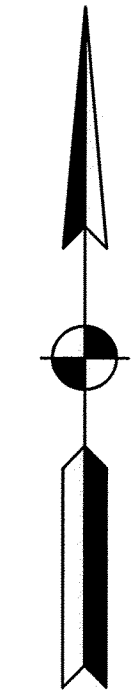
590

591

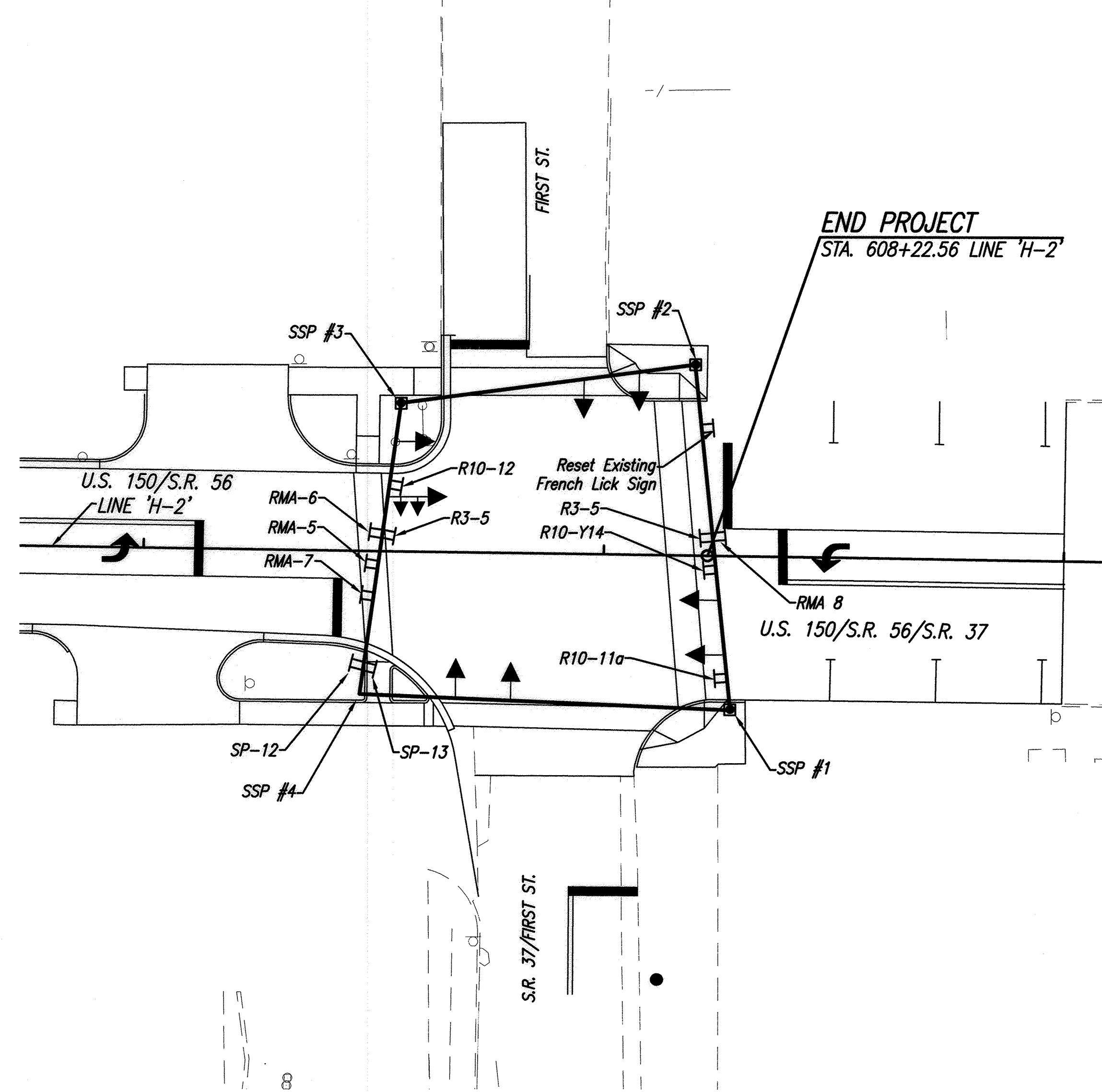
607

608

609



US 150/SR 56 AND ELM ST.



US 150/SR 56 AND SR 37/FIRST STREET



RMA-5



RMA-6



RMA-7



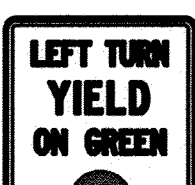
RMA-8



R3-5



R10-11a



R10-12



R10-Y14



SP-12



SP-13



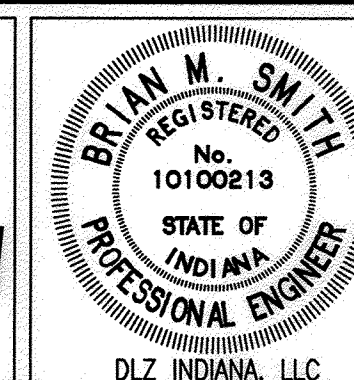
D3-3(I)

LEGEND

TT Sheet Sign Mounted On Span And Catenary/Mast ARM

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in X in)
R3-5	"LEFT TURN ONLY" SIGN	30 X 36
R10-11a	"NO TURN ON RED" SIGN	30 X 36
R10-12	"LEFT TURN YIELD ON GREEN" SIGN	30 X 36
R10-Y14	"WAIT DELAYED SIGNAL" SIGN	30 X 36
RMA-5	"EAST, US150, STRAIGHT" ASSEMBLY	
RMA-6	"EAST, IN56, STRAIGHT" ASSEMBLY	
RMA-7	"SOUTH, IN37, RIGHT" ASSEMBLY	
RMA-8	"SOUTH, IN37, LEFT" ASSEMBLY	
SP-12	DISTANCE SIGN	60 x 24
SP-13	DISTANCE SIGN	60 x 24
D3-3(I)	"S ELM ST" SIGN	66 x 18

Date: Mar 13, 2015, 11:56am User: JD\_48566 File: I:\PROJECTS\0981\2720\2015\03\09\09\01\SPM14.dwg Model: Tab: Plan Set



RECOMMENDED FOR APPROVAL *B. M. Smith* 3.12.15  
DESIGN ENGINEER DATE

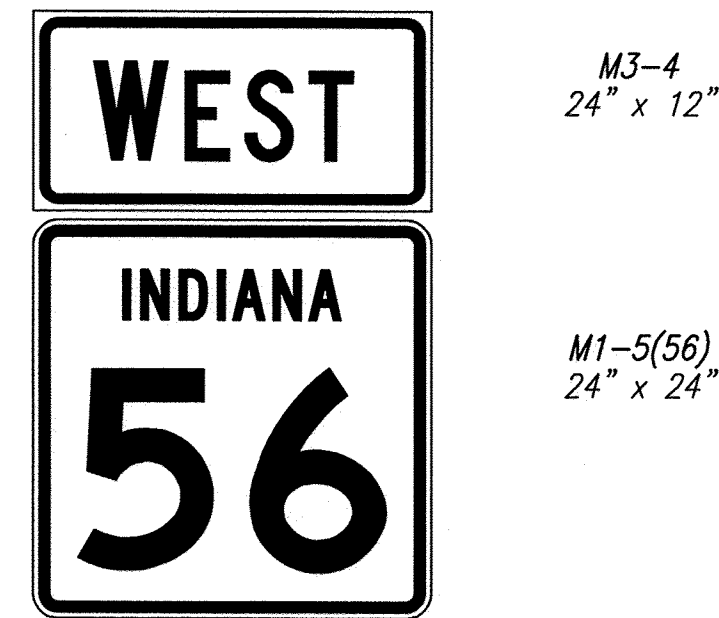
DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION

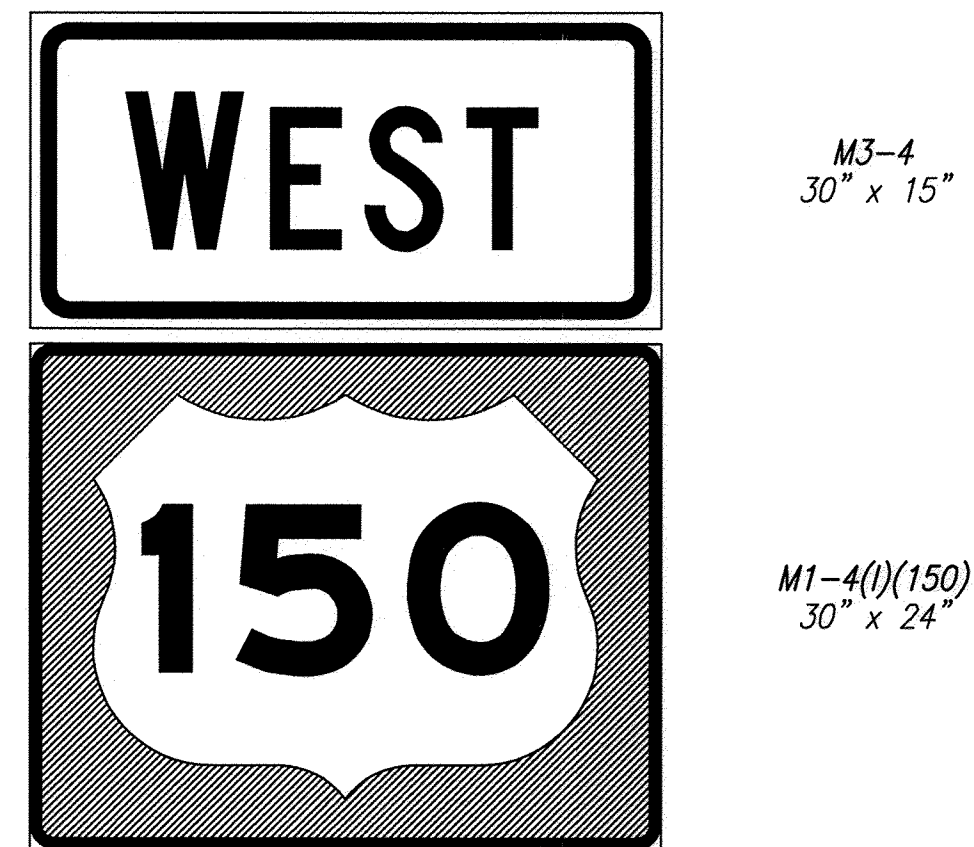
PAVEMENT MARKING AND SIGNING PLAN

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	64 of 158
CONTRACT	PROJECT
R-31710	0710(980)

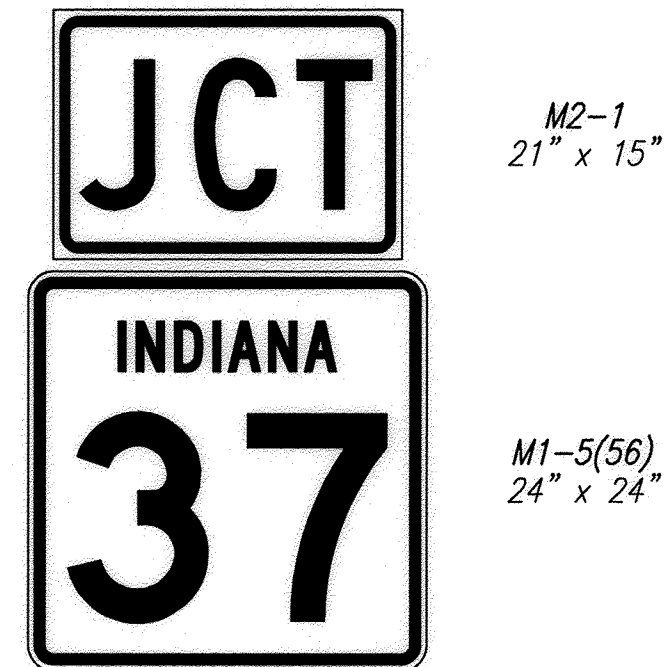




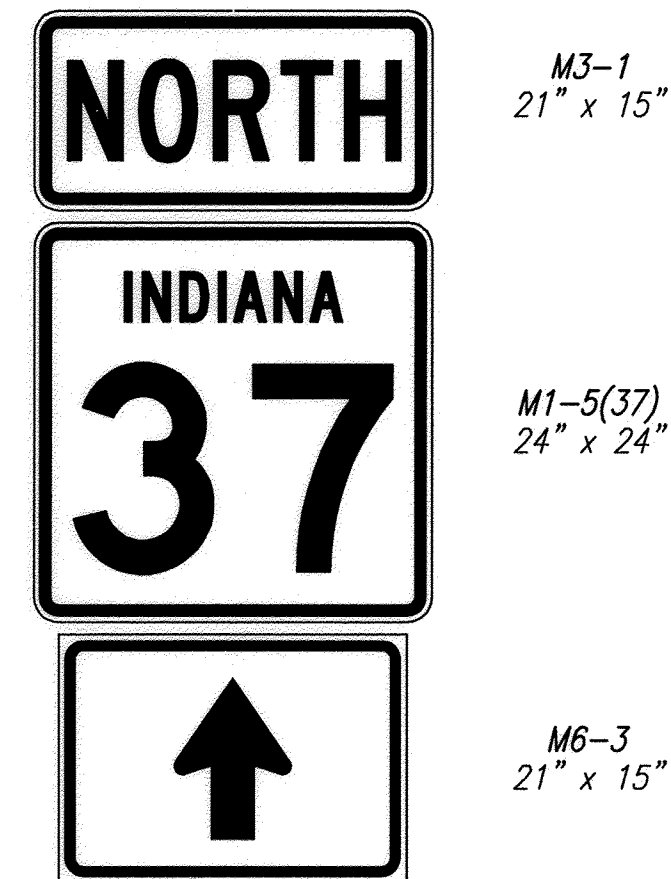
RMA-1



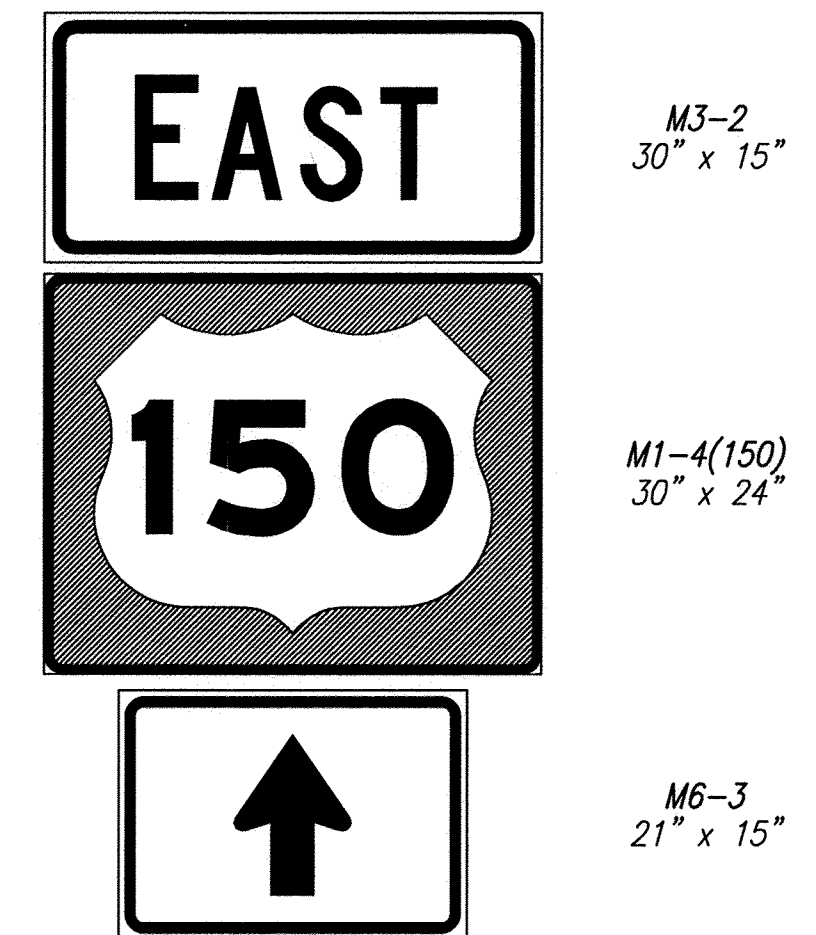
RMA-2



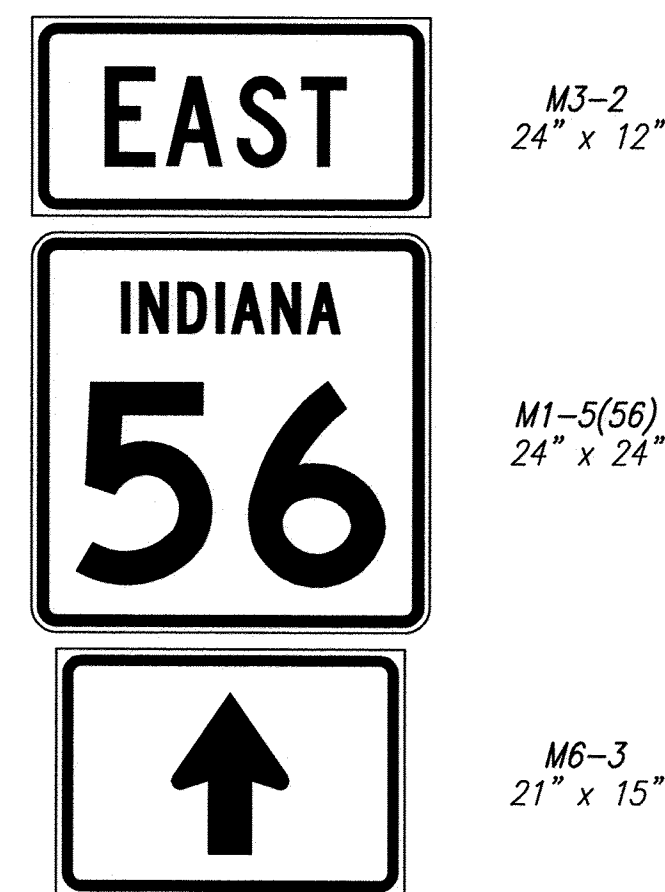
RMA-3



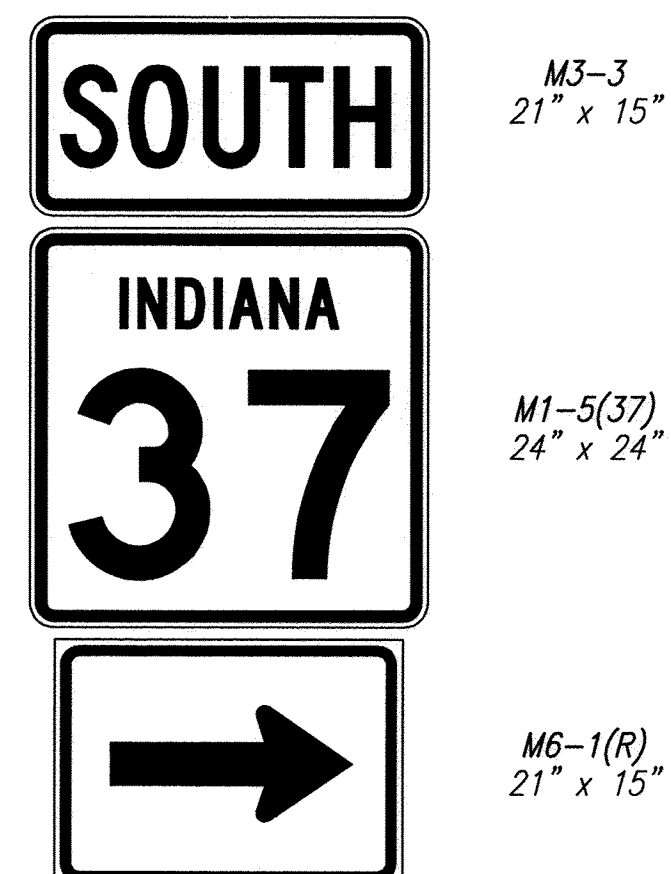
RMA-4



RMA-5



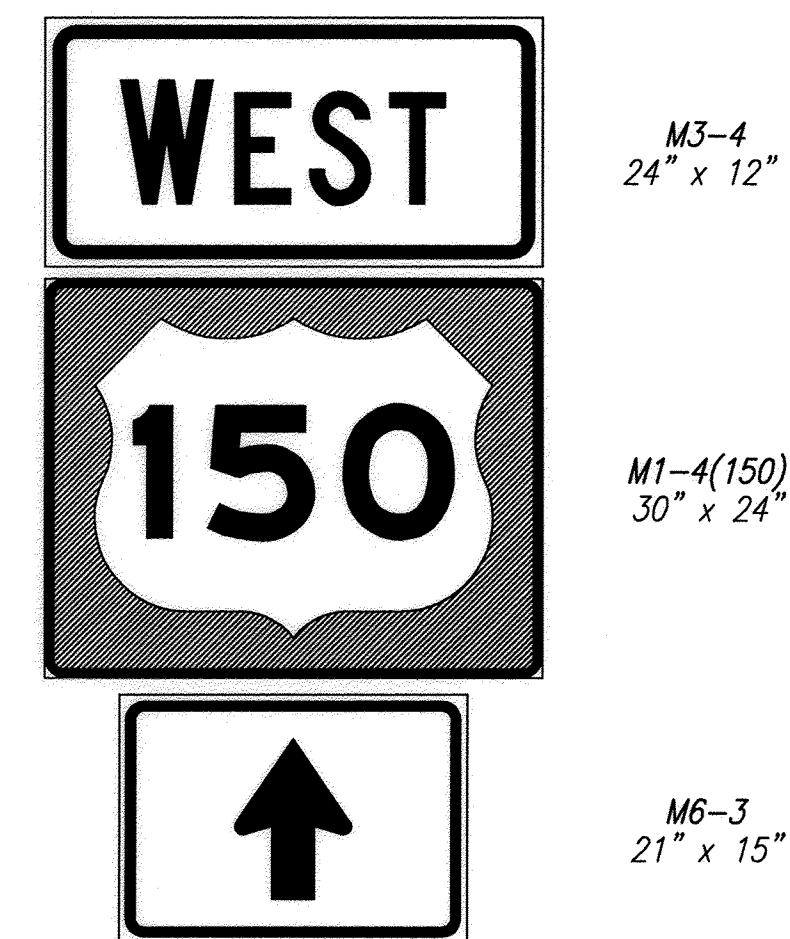
RMA-6



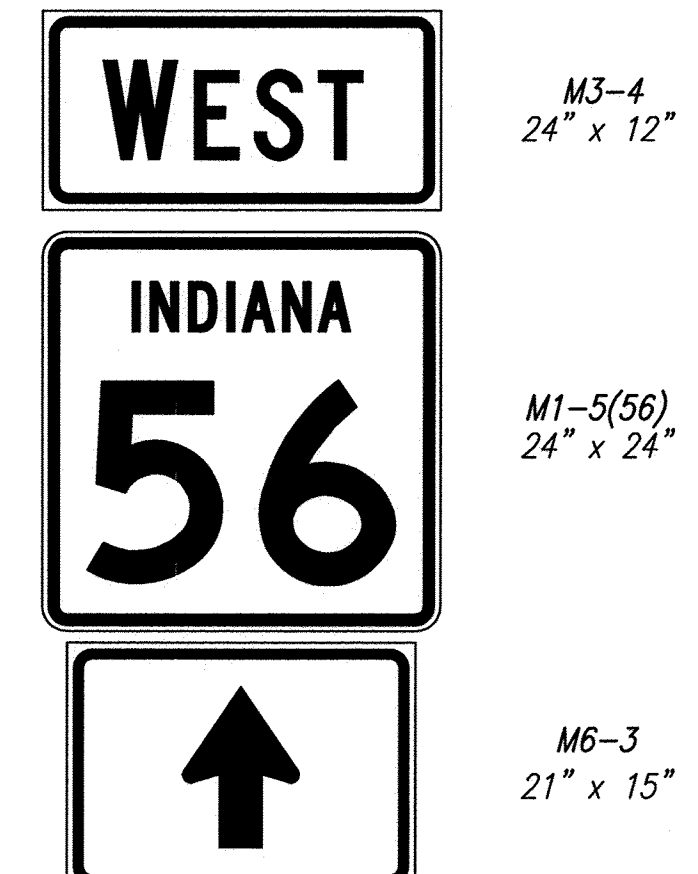
RMA-7



RMA-8



RMA-9

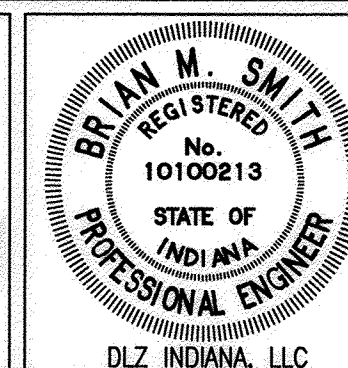


RMA-10

**NOTES**

1. MATERIALS:  
 Letters - Black Reflective  
 Background - White Reflective  
 Border - Black Reflective
2. ALL SIGNS: BORDER  
 Radius = 1.5"  
 Thickness = 0.5"

Date: Mar 13, 2015, 11:05am User: DLZ dhoover File: M:\PROJ\0861\2750\2015\civil\dwg\WISa\_V015DT60.dwg Model Tab: Plan Set

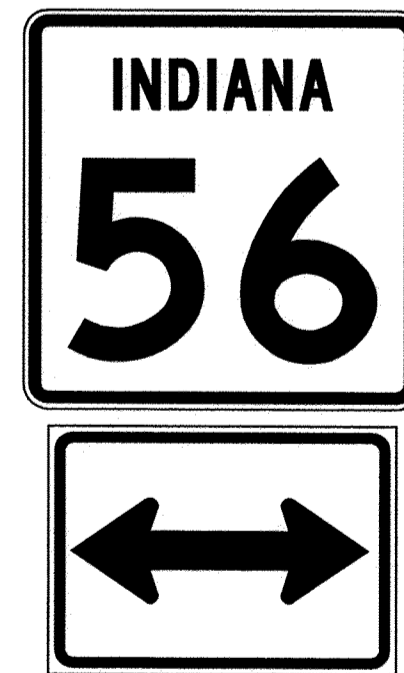


RECOMMENDED FOR APPROVAL	<i>Rmk</i>	3-12-15
DESIGN ENGINEER		DATE
DESIGNED: BBL	DRAWN: DPH	
CHECKED: PDF	CHECKED: BBL	

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN DETAILS	

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 65 of 158
ELECTRONIC CONTRACT	PROJECT R-31710 0710(980)

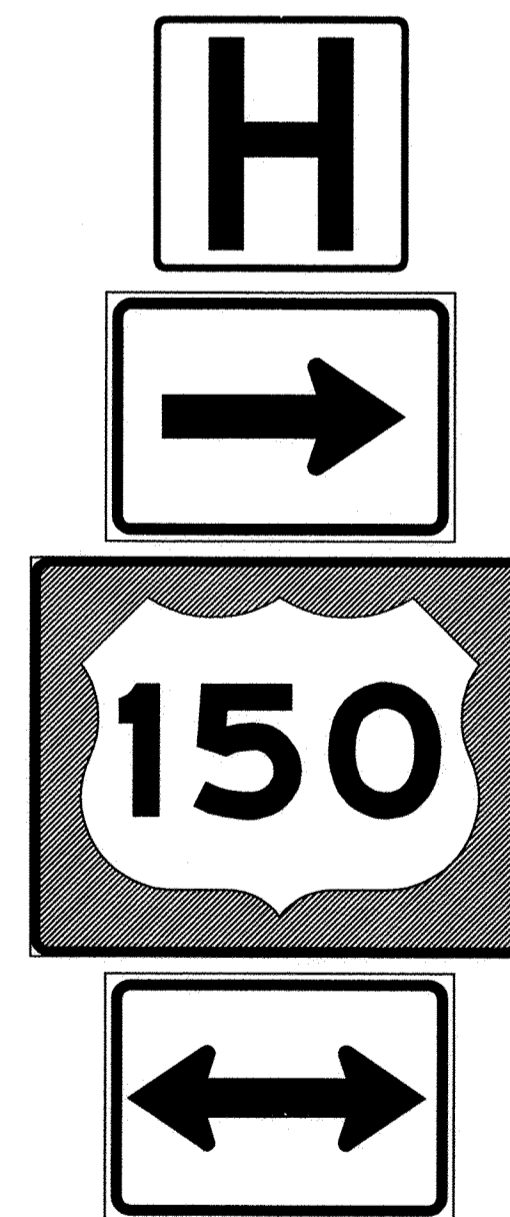
Date: Mar 13, 2015, 11:05am User: D:\bbs\user Files: M:\PROJ\0891\7350\2015\civil\dwg\Misc\201507161.dwg Model Tab: Plan Set



M1-5(56)  
24" x 24"

M6-4  
21" x 15"

RMA-11



D9-2  
24" x 24"

M6-1(R)  
21" x 15"

M1-4(150)  
30" x 24"

M6-4  
21" x 15"

RMA-12

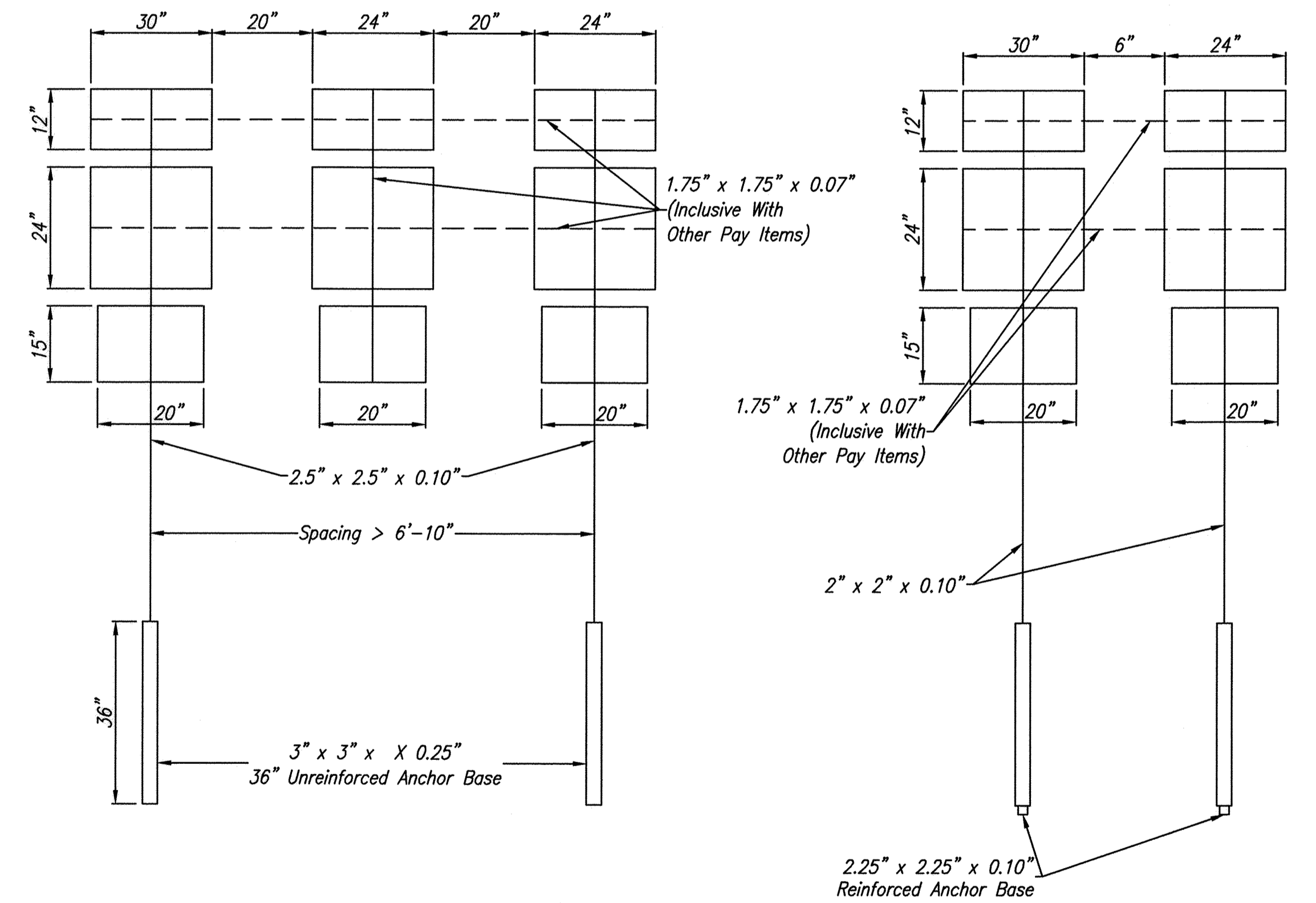


M3-1  
21" x 15"

M1-5(37)  
24" x 24"

M6-1(R)  
21" x 15"

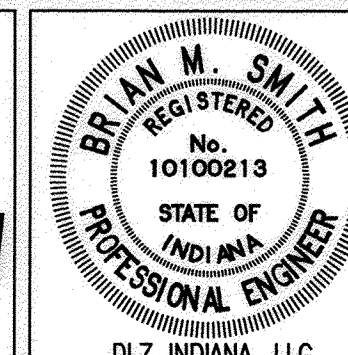
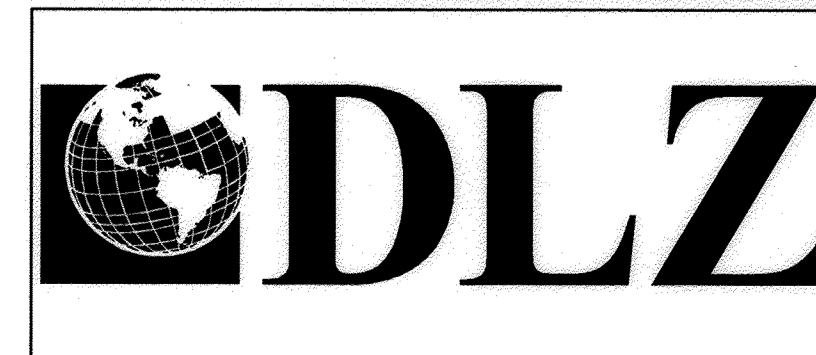
RMA-13



**NOTES**

- MATERIALS:**  
Letters - Black Reflective  
Background - White Reflective  
Border - Black Reflective
- ALL SIGNS: BORDER**  
Radius = 1.5"  
Thickness = 0.5"

ROUTE MARKER POSTS ASSEMBLY DETAILS



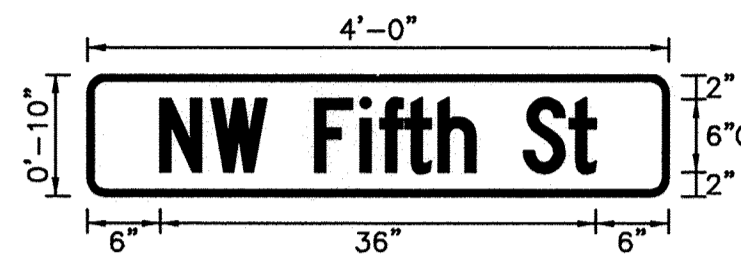
RECOMMENDED FOR APPROVAL	<i>K. R. ...</i>	3-12-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN DETAILS	

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	66 of 158
CONTRACT	PROJECT
R-31710	0710(980)



SIGN DETAIL  
1:15



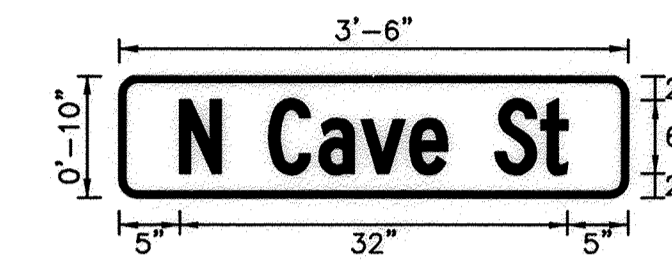
SIGN NUMBER	D3-2(7)
WIDTH x HIGHT.	4'-0" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
N	W	F	i	f	t	h	S	t				C 2000
6	10.2	18.8	22.6	24.2	26.2	29	36	39.8			36	6,6/4,4

SIGN DETAIL  
1:15



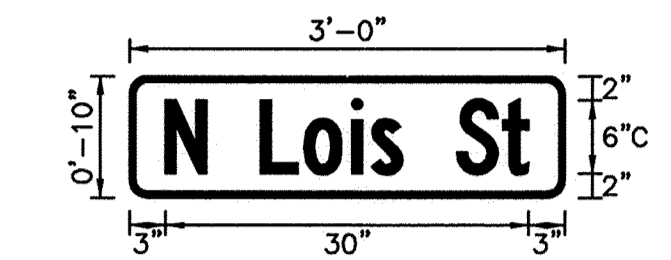
SIGN NUMBER	D3-2(8)
WIDTH x HIGHT.	3'-6" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
N	C	a	v	e	S	t						C 2000
5	12.4	16.5	20	24	31.1	34.8					32	6,6/4,4

SIGN DETAIL  
1:15



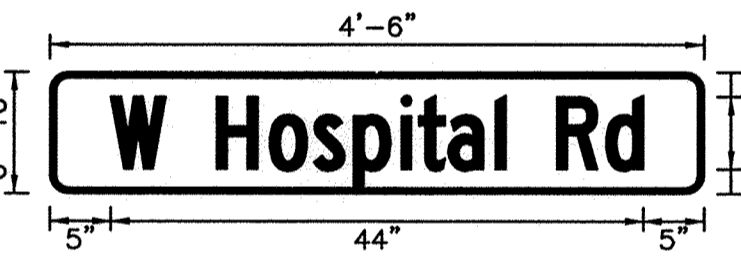
SIGN NUMBER	D3-2(9)
WIDTH x HIGHT.	3'-0" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
N	L	o	i	s	t							C 2000
3	10.9	14.5	18.4	20	27.1	30.8					30	6,6/4,4

SIGN DETAIL  
1:15



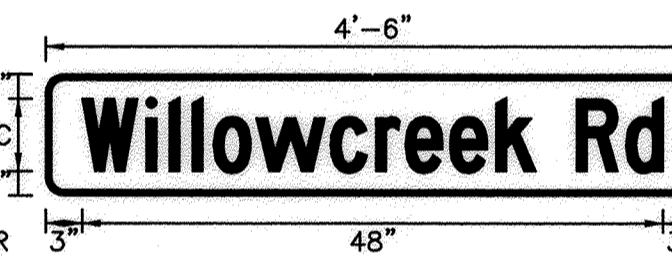
SIGN NUMBER	D3-2(10)
WIDTH x HIGHT.	4'-6" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
W	H	o	s	p	i	t	a	i	R	d		C 2000
5	13.8	18.2	21.8	25.1	29	30.4	32.9	36.8	41.8	45.9	44	6,6/4,4

SIGN DETAIL  
1:15



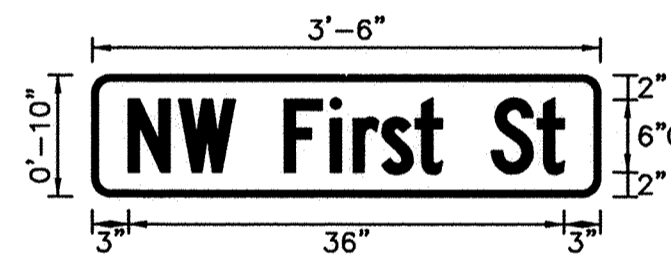
SIGN NUMBER	D3-2(11)
WIDTH x HIGHT.	4'-6" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
M.U.T.C.D.: 2003 Edition  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE	
W	i	l	l	o	w	c	r	e	e	k	R	d				C 2000
3	8.3	10.2	12.1	13.9	17.4	23.5	27.2	29.7	33.4	37.2	43.8	47.9			48	6/4,4

SIGN DETAIL  
1:15



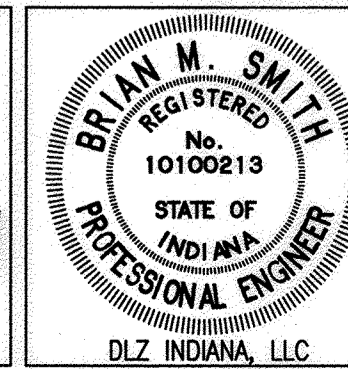
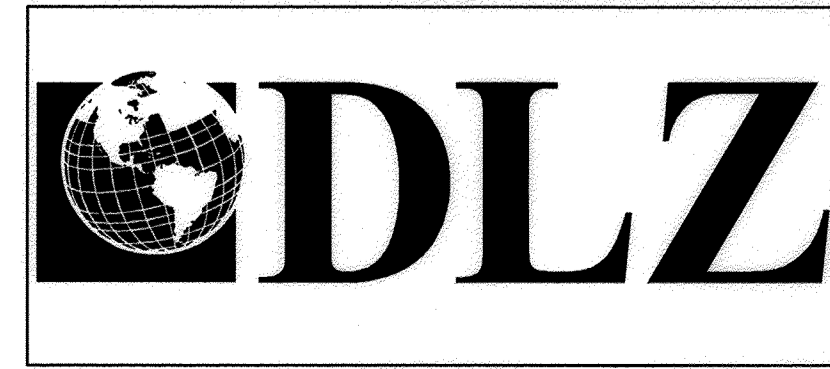
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WIDTH x HIGHT.	3'-6" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches,tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
N	W	F	i	r	s	t	S	t				C 2000
3	7.2	15.9	19.7	21.6	24	26.7	33	36.8			36	6,6/4,4

Date: Mar. 13, 2015, 11:06am User: d...  
File: M:\PROJ\0861\27230\2015\civil\dwg\Misc\201507163.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL *BML* 3-12-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
SIGN DETAILS

HORIZONTAL SCALE	N/A	DESIGNATION	0710980
VERTICAL SCALE	N/A	SHEETS	68 of 158
SURVEY BOOK	R-31710	PROJECT	0710(980)

**SIGN DETAIL**  
1:15

SIGN NUMBER	D3-3(1)
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE
S	E	l	m	S	t		D 2000
5	19.5	27.4	31.3	49.1	56.7	56	12,12/8,8

**SIGN DETAIL**  
1:20

SIGN NUMBER	SP-1
WIDTH x HGHT.	6'-6" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE									
F	R	A	N	K	O		D 2000									
5	9.6	14.2	20.2	25.7	34.7	39.8	41.9	46.4	52.4	57.9	63.3	68.9	68	6		
H	I	G	H	W	A	Y										D 2000
21.8	27.3	29.6	35	39.9	45.6	51.1	34.5	6								6

**SIGN DETAIL**  
1:20

SIGN NUMBER	SP-2
WIDTH x HGHT.	7'-6" x 2'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	4	9	6	9

Panel Style: guide\_fw\_supplemental.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE									
O	R	A	N	G	E		D 2000									
16	21.6	26.1	32.1	37.5	42.9	50.7	55.9	61.5	67	72	76.1	65.3	6			
4	-	H	F	A	I	R	G	R	O	U	N	D	S			D 2000
16	21.4	24.4	32.5	36.6	42.6	45	49.9	55.3	60.3	65.9	71.4	76.9	81.9	70	6	6

**SIGN DETAIL**  
1:20

SIGN NUMBER	SP-3
WIDTH x HGHT.	7'-6" x 2'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	270	77	9	6	9

Panel Style: guide\_fw\_supplemental.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE									
O	R	A	N	G	E		D 2000									
4	9.6	14.1	20.1	25.5	30.9	38.7	43.9	49.5	55	60	64.1	65.3	6			
4	-	H	F	A	I	R	G	R	O	U	N	D	S			D 2000
4	9.4	12.4	20.5	24.6	30.6	33	37.9	43.3	48.3	53.9	59.4	64.9	69.9	70	6	6

**SIGN DETAIL**  
1:20

SIGN NUMBER	SP-4
WIDTH x HGHT.	3'-6" x 3'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	16.5	3	6	9

Panel Style: D-3.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE									
S	T	A	T	E			D 2000									
9.8	14.3	18.4	23.9	28.5			22.4	6								
H	I	G	H	W	A	Y									D 2000	
3.8	9.3	11.6	17	21.9	27.6	33.1	34.5	6							6	
G	A	R	A	G	E											D 2000
5.8	10.6	16.6	21.2	27.1	32.5		30.4	6							6	

**SIGN DETAIL**  
1:20

SIGN NUMBER	SP-5
WIDTH x HGHT.	3'-6" x 3'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

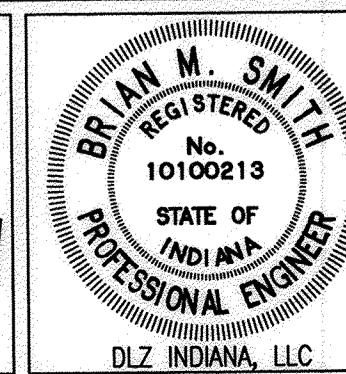
SYMBOL	ROT	X	Y	WID	HT
ARUP	270	16.5	3	6	9

Panel Style: D-3.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE									
S	T	A	T	E			D 2000									
9.8	14.3	18.4	23.9	28.5			22.4	6								
H	I	G	H	W	A	Y									D 2000	
3.8	9.3	11.6	17	21.9	27.6	33.1	34.5	6							6	
G	A	R	A	G	E											D 2000
5.8	10.6	16.6	21.2	27.1	32.5		30.4	6							6	

Date: Mar 13, 2015, 11:07am User ID: dhoover File: M:\PROJ\06861\2720\2015\chill\dwg\fac\2015\SDTE4.dwg Model Tab: Plan Set



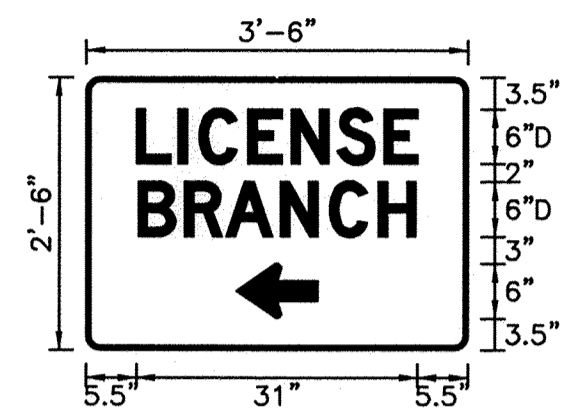
RECOMMENDED FOR APPROVAL *B. Smith* 3-12-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
SIGN DETAILS

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC CONTRACT	69 of 158 PROJECT
R-31710	0710(980)

SIGN DETAIL  
1:20



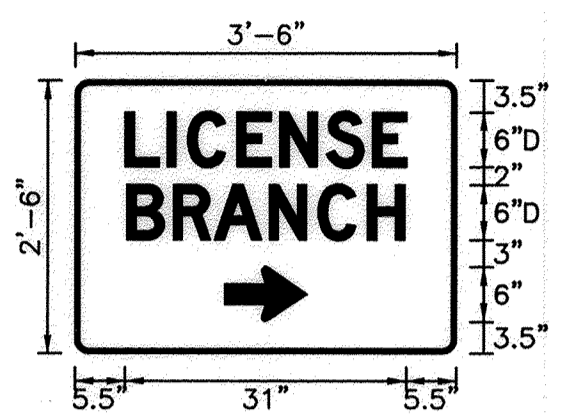
SIGN NUMBER	SP-6
WIDTH x HGHT.	3'-6" x 2'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	16.5	3.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
L	I	C	E	N	S	E						D 2000	
5.5	10.1	12.4	17.8	22.6	27.7	32.8						31	6
B	R	A	N	C	H							D 2000	
5.7	10.8	15.4	21.4	26.8	32.2							30.5	6

SIGN DETAIL  
1:20



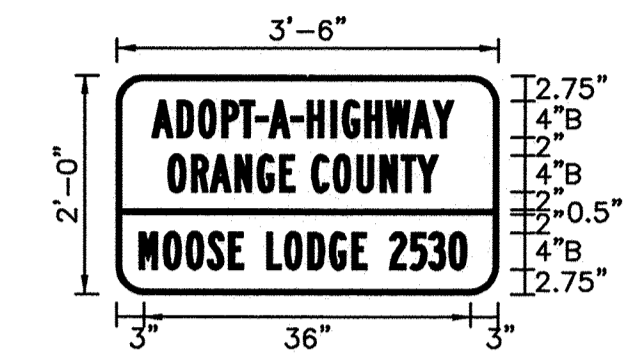
SIGN NUMBER	SP-7
WIDTH x HGHT.	3'-6" x 2'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	270	16.5	3.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
L	I	C	E	N	S	E						D 2000	
5.5	10.1	12.4	17.8	22.6	27.7	32.8						31	6
B	R	A	N	C	H							D 2000	
5.7	10.8	15.4	21.4	26.8	32.2							30.5	6

SIGN DETAIL  
1:20



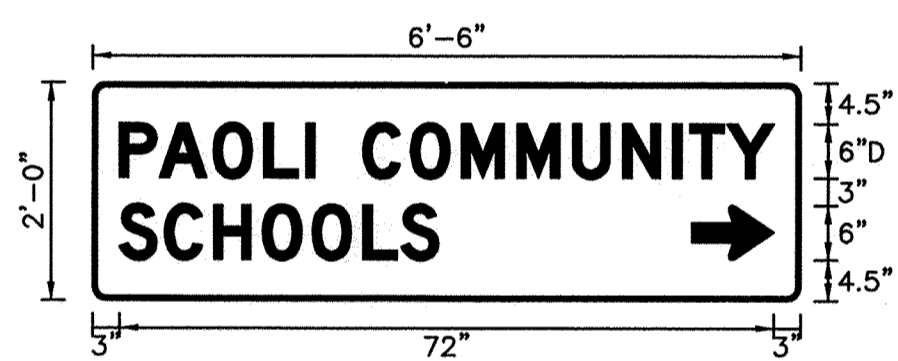
SIGN NUMBER	SP-8
WIDTH x HGHT.	3'-6" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Blue
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide\_exp\_general-services.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIES/SIZE	
A	D	O	P	T	-	A	-	H	I	G	H	W	A	Y			B 2000	
4	6.7	9	11.6	13.6	15.4	16.8	19.2	21	23.6	24.9	27.4	29.7	32.5	34.9			33.1	4
O	R	A	N	G	E	C	O	U	N	T	Y						D 2000	
5.7	8.3	10.3	13.1	15.5	18	21.5	23.9	26.5	29.1	31.4	33.1						29.6	4
M	O	O	S	E	L	O	D	G	E	2	5	3	0				B 2000	
2.5	5.2	7.7	10.1	12.4	16.6	18.5	21.1	23.5	26	30.2	32.4	34.4	36.7				36	4

SIGN DETAIL  
1:20



SIGN NUMBER	SP-9
WIDTH x HGHT.	6'-6" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	270	66	4.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE		
P	A	O	L	I	C	O	M	M	U	N	I	T	Y			D 2000	
3	7.4	13.3	18.9	23.5	29.8	35	40.6	46.8	52.9	58.4	63.9	65.8	69.9			72	6
S	C	H	O	O	L	S										D 2000	
3	8	13.4	18.8	24.2	29.8	34										35.1	6

SIGN DETAIL  
1:20



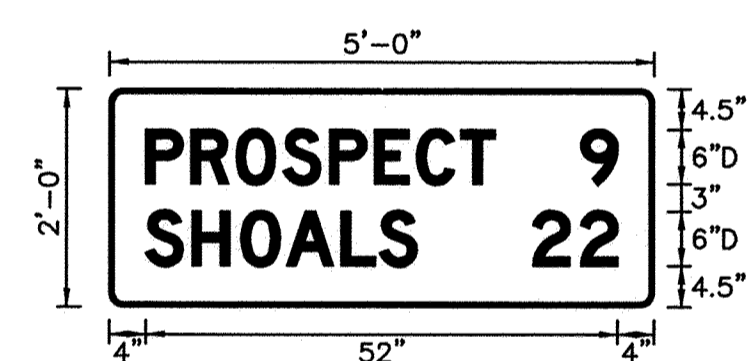
SIGN NUMBER	SP-10
WIDTH x HGHT.	6'-6" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	3	4.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE		
P	A	O	L	I	C	O	M	M	U	N	I	T	Y			D 2000	
3	7.4	13.3	18.9	23.5	29.8	35	40.6	46.8	52.9	58.4	63.9	65.8	69.9			72	6
S	C	H	O	O	L	S										D 2000	
39.9	44.9	50.3	55.7	61.2	66.7	70.9										35.1	6

SIGN DETAIL  
1:20

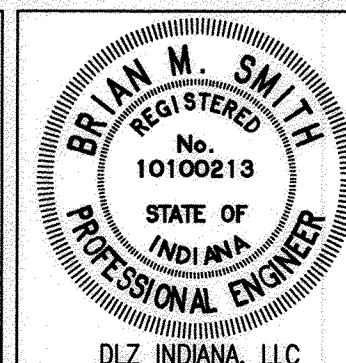


SIGN NUMBER	SP-11
WIDTH x HGHT.	5'-0" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.asi  
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE		
P	R	O	S	P	E	C	T									D 2000	
4	9	14	19.1	24.2	29.2	33.8	38.7									38.4	6
9																D 2000	
51.9																4.1	6
S	H	O	A	L	S											D 2000	
4	9.1	14.5	19.6	25.6	29.8											29.8	6
2	2															D 2000	
46.6	51.9															9.4	6

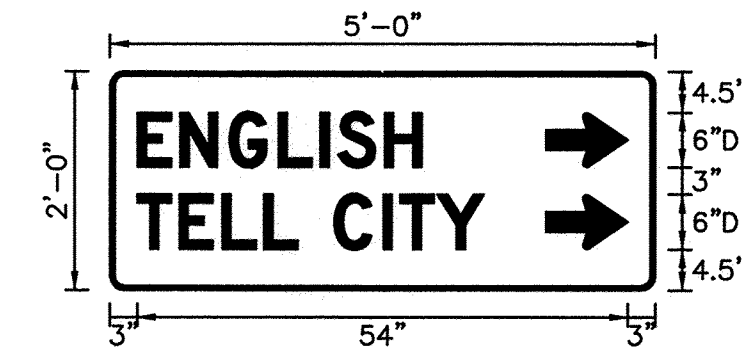


RECOMMENDED FOR APPROVAL	<i>B. Smith</i>	3-12-15	DATE
DESIGNED:	BBL	DRAWN:	DPH
CHECKED:	PDF	CHECKED:	BBL

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN DETAILS	

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 70 of 158
ELECTRONIC CONTRACT	PROJECT 0710(980)

SIGN DETAIL  
1:20



SIGN NUMBER	SP-12
WIDTH x HGT.	5'-0" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

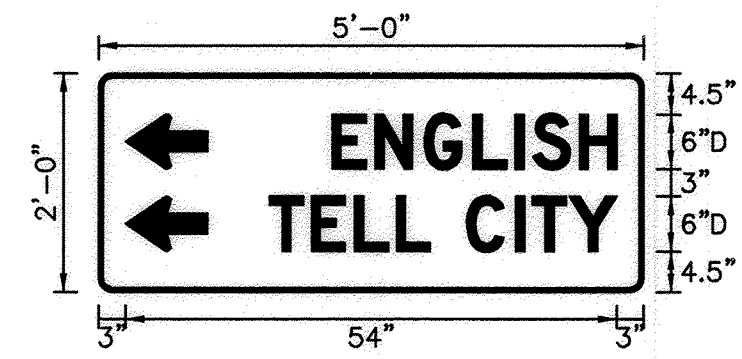
SYMBOL	ROT	X	Y	WID	HT
ARUP	270	48	13.5	6	9
ARUP	270	48	4.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE		
E	N	G	L	I	S	H						D 2000		
3	7.7	13.1	18.5	23.1	25.1	30.2						31.3	6	
T	E	L	L	C	I	T	Y						D 2000	
3	7.6	12.3	17	24.7	30.1	31.9	36						38.2	6

SIGN DETAIL  
1:20



SIGN NUMBER	SP-13
WIDTH x HGT.	5'-0" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

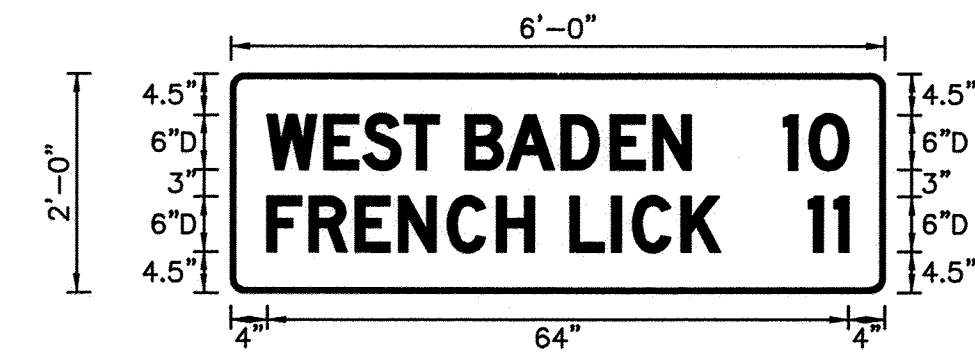
SYMBOL	ROT	X	Y	WID	HT
ARUP	90	3	13.5	6	9
ARUP	90	3	4.5	6	9

Panel Style: D-3.asi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE		
E	N	G	L	I	S	H						D 2000		
25.7	30.4	35.8	41.2	45.9	47.8	52.9						31.3	6	
T	E	L	L	C	I	T	Y						D 2000	
18.8	23.4	28.2	32.8	40.5	45.9	47.8	51.9						38.2	6

SIGN DETAIL  
1:20



SIGN NUMBER	SP-14
WIDTH x HGT.	6'-0" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

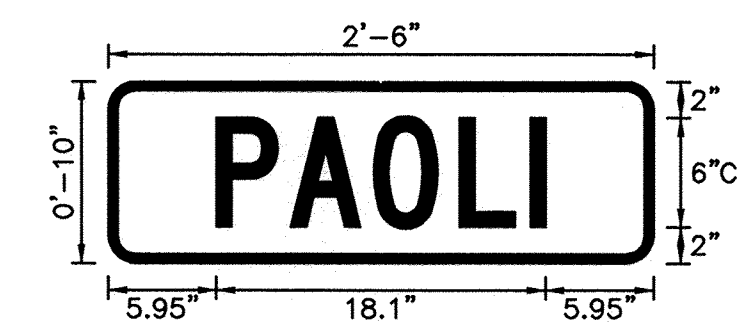
SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.asi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE		
W	E	S	T	B	A	D	E	N					D 2000	
4	10.3	14.6	19.1	22.9	25.9	30.4	36.4	41.8	46.6				46.6	6
I	O												D 2000	
60.9	63.7												7.1	6
F	R	E	N	C	H	L	I	C	K				D 2000	
4	8.6	13.7	18.5	23.9	29.3	37.4	42	44.3	49.7				49.8	6
I	I												D 2000	
63.7	66.5												4.3	6

SIGN DETAIL  
1:10



SIGN NUMBER	SP-15
WIDTH x HGT.	2'-6" x 0'-10"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.asi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE	
P	A	O	L	I			C 2000	
5.9	10	14.6	19.3	23.2			18.1	6

Date: Mar 13, 2015, 11:08am User: dhoover File: M:\PROJ\0661\2730\2015\Civil\dwg\Misc\201507166.dwg Model Tab: Plan Set



RECOMMENDED FOR APPROVAL *B.M.S.* 3-12-15  
DESIGN ENGINEER DATE  
DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

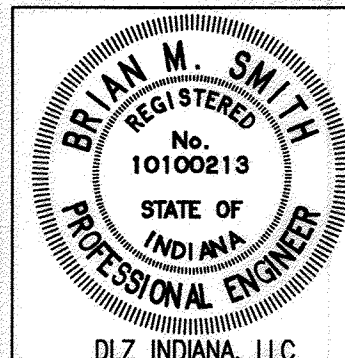
INDIANA DEPARTMENT OF TRANSPORTATION  
SIGN DETAILS

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	71 of 158
CONTRACT	PROJECT
R-31710	0710(980)

# SHEET SIGN AND POST SUMMARY TABLE

PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN						POST														REMARKS			
			SIGN SIZE in x in	HIGH INTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE												
				0.080	0.100	0.125	0.080	0.100	0.125	POST LENGTH		POST TYPE		2" x 2" x 12 GAUGE			2 1/4" x 2 1/4" x 12 GAUGE									
				ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	1	2	TYPE A	TYPE B	REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)									
							ft	ft	ft	ft	1	2	TOTAL	1	2	TOTAL	1	TOTAL	1	TOTAL						
LINE 'H-2'																										
	519+58, Rt.	W15-1	30 x 30	6.25																						
	519+66, Lt.	W2-2	30 x 30	6.25																						
	521+02, Lt.	S3-1	36 x 36		9.00																					
	522+33, Lt.	R2-1(50)	24 x 30	5.00																						
	522+39, Rt.	R2-1(45)	24 x 30	5.00																						
	526+83, Lt.	SP-1	78 x 18			9.75								12.5	12.5	25.0										
	529+25, Lt.	R8-3	24 x 24	4.00																						
	530+50, Lt.	R8-3	24 x 24	4.00																						
	534+25, Lt.	R2-1(45)	24 x 30	5.00																						
	534+25, Rt.	R2-1(45)	24 x 30	5.00																						
	537+19, Lt.	W15-1	30 x 30	6.25																						
	539+23, Rt.	SP-2	90 x 24			15.00								16.3	16.3	32.6										
		D9-2	24 x 24	4.00																						On Sign Above
		M6-1(L)	21 x 15	2.19																						On Sign Above
		SP-4	42 x 36		10.50																					On Sign Above
	539+89, Lt.	W11-2	30 x 30	6.25																						
		W16-9P	24 x 12	2.00																						On Sign Above
	541+30, Lt.	S3-1	36 x 36		9.00																					
	542+82, Lt.	R2-1(45)	24 x 30	5.00																						
	542+82, Rt.	SP-6	42 x 30		8.75																					
	543+91, Lt.	D3-2(1)	42 x 10	2.92										12.7	12.7	25.4										
		D3-2(1)	42 x 10	2.92																						On Sign Above
		D3-2(10)	54 x 10	3.75																						On Sign Above
		D3-2(10)	54 x 10	3.75																						On Sign Above
	543+91, Lt.	R1-1	30 x 30	6.25																						
	545+21, Rt.	"132"	12 x 6																							
		+96	12 x 3	0.25																						On Sign Above
		59-6926	12 x 3	0.25																						On Sign Above
	547+59, Rt.	"133"	12 x 6																							
	547+72, Lt.	SP-7	42 x 30		8.75																					
	549+81, Lt.	SP-3	90 x 24			15.00								16.3	16.3	32.6										
		D9-2	24 x 24	4.00																						On Sign Above
		M6-1(R)	21 x 15	2.19																						On Sign Above
		SP-5	42 x 36		10.50																					On Sign Above
	552+04, Lt.	R2-1(45)	24 x 30	5.00																						
	552+04, Rt.	R2-1(40)	24 x 30	5.00																						
<b>TOTAL THIS SHEET</b>				<b>89.13</b>	<b>69.84</b>	<b>39.75</b>										<b>115.6</b>										

Date: Mar 13, 2015, 11:08am User: d:\hooover File: M:\PROJ\0811\2730\2015\Civil\Orig\Wfile\201555560.DWG Model: Tab: Sign Table 1



RECOMMENDED FOR APPROVAL: *Rmb* 3-12-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**SHEET SIGN AND POST SUMMARY TABLE**

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 72 of 158
ELECTRONIC CONTRACT	PROJECT R-31710 0710(980)

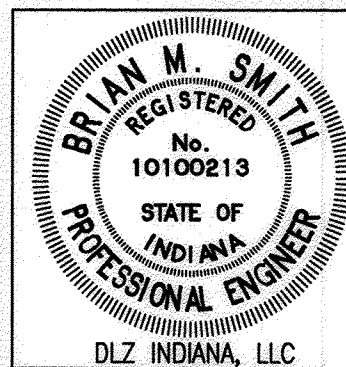




# SHEET SIGN AND POST SUMMARY TABLE

PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN						POST												REMARKS				
			SIGN SIZE in x in	HIGH INTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE											
				0.080			0.100			0.125			POST LENGTH		POST TYPE		2" x 2" x 12 GAUGE					2 1/4" x 2 1/4" x 12 GAUGE			
				ft²			ft²			ft²			1	2	TYPE A	TYPE B	REINFORCED		UNREINFORCED			REINFORCED		UNREINFORCED	
													ft	ft	ft	ft	POST LENGTH (ft)		POST LENGTH (ft)			POST LENGTH (ft)		POST LENGTH (ft)	
													1	2	TOTAL	1	2	TOTAL	1	TOTAL	1	TOTAL			
LINE 'H-2'	585+00, Lt.	D3-2(1) D3-2(1) D3-2(9) D3-2(9)	42 x 10 42 x 10 36 x 10 36 x 10	2.92 2.92 2.50 2.50										12.7	12.7	25.4									On Sign Above On Sign Above On Sign Above
	585+05, Lt.	R1-1	30 x 30	6.25															13.5	13.5					
	586+10, Lt.	R8-3	24 x 24	4.00															13.0	13.0					
	587+24, Lt.	R8-3	24 x 24	4.00															13.0	13.0					
	587+24, Rt.	S1-1 W16-9P	36 x 36 24 x 12	9.00 2.00															15.0	15.0					On Sign Above
	587+76, Lt.	D3-2(1) D3-2(1) D3-2(8) D3-2(8)	42 x 10 42 x 10 42 x 10 42 x 10	2.92 2.92 2.92 2.92										12.7	12.7	25.4									On Sign Above On Sign Above On Sign Above
	587+76, Lt.	R1-1	30 x 30	6.25															13.5	13.5					
	589+00, Lt.	W15-1	30 x 30	6.25															13.5	13.5					
	589+60, Lt.	R3-9cP R3-9b	30 x 12 24 x 36	2.50 7.50															15.0	15.0					On Sign Above
	589+70, Lt.	R8-3	24 x 24	4.00															13.0	13.0					
	589+70, Rt.	R3-9dP R3-9b	30 x 12 24 x 36	2.50 7.50															15.0	15.0					On Sign Above
	590+62, Lt.	S1-1 W16-7P	36 x 36 24 x 12	9.00 2.00															15.0	15.0					On Sign Above
	590+74, Rt.	S1-1 W16-7P	36 x 36 24 x 12	9.00 2.00															15.0	15.0					On Sign Above
	591+18, Rt.	R2-1(30) R7-1	24 x 30 12 x 18	5.00 1.50															15.0	15.0					On Sign Above
	591+21, Rt.	R8-3	24 x 24	4.00															13.0	13.0					
	592+85, Lt.	D3-2(1) D3-2(1) D3-2(7) D3-2(7)	42 x 10 42 x 10 48 x 10 48 x 10	2.92 2.92 3.33 3.33										12.7	12.7	25.4									On Sign Above On Sign Above On Sign Above
	592+86, Lt.	R1-1	30 x 30	6.25															13.5	13.5					
	593+49, Lt.	S1-1 W16-9P	36 x 36 24 x 12	9.00 2.00															15.0	15.0					On Sign Above
	594+16, Rt.	R7-1	12 x 18	1.50															12.5	12.5					
	594+18, Lt.	R2-1(30) R8-3	24 x 30 24 x 24	5.00 4.00															15.5	15.5					On Sign Above
	594+31, Lt.	SP-10	78 x 24			13.00								13.0	13.0	26.0									
	595+95, Rt.	Lithia Well Info. Sign																							
<b>TOTAL THIS SHEET</b>				<b>86.00</b>	<b>71.02</b>	<b>13.00</b>										<b>102.2</b>							<b>239.0</b>		

Date: Mar 13, 2015, 11:08am User: ID: chroover File: M:\PROJ\0681\2730\2015\Civil\dwg\Misc\2015SOB0.DWG Model Tab: Sign Table 3



RECOMMENDED FOR APPROVAL	<i>BMS</i>	3-12-15
DESIGNED:	BBL	DATE
DRAWN:	DPH	
CHECKED:	PDF	CHECKED: BBL

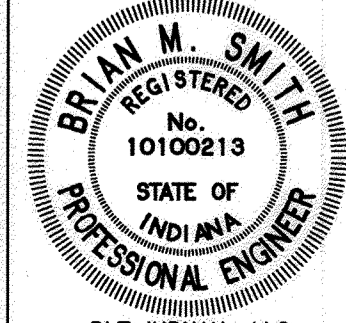
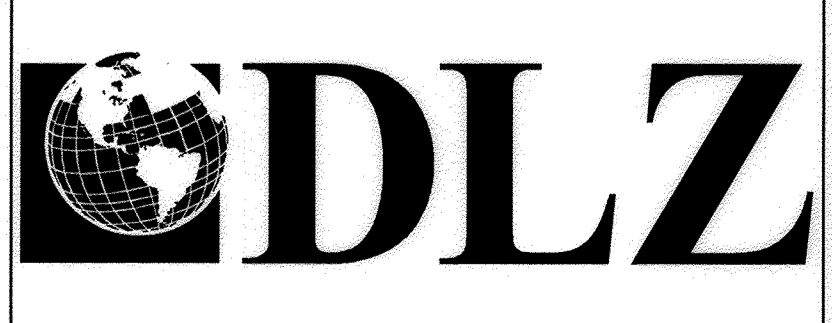
<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>
<b>SHEET SIGN AND POST SUMMARY TABLE</b>

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 74 of 158
ELECTRONIC CONTRACT	PROJECT 0710(980)
R-31710	

# SHEET SIGN AND POST SUMMARY TABLE

PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN						POST														REMARKS			
			SIGN SIZE in x in	HIGH INTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE												
				0.080	0.100	0.125	0.080	0.100	0.125	POST LENGTH		POST TYPE		2" x 2" x 12 GAUGE			2 1/4" x 2 1/4" x 12 GAUGE									
				ft²	ft²	ft²	ft²	ft²	ft²	1	2	TYPE A	TYPE B	REINFORCED			UNREINFORCED									
							ft	ft	ft	ft	POST LENGTH (ft)			POST LENGTH (ft)			REINFORCED		UNREINFORCED							
											1	2	TOTAL	1	2	TOTAL	1	TOTAL	1	TOTAL						
LINE 'H-2'	596+41, Rt.	R2-1(30)	24 x 30	5.00																						
	596+44, Lt.	D3-2(1) D3-2(1) D3-2(6) D3-2(6)	42 x 10 42 x 10 54 x 10 54 x 10		2.92 2.92 3.75 3.75																					On Sign Above On Sign Above On Sign Above
	596+45, Lt.	R1-1	30 x 30	6.25																						
	597+99, Rt.	R7-1	12 x 18	1.50																						
	599+25, Lt.	R2-1(30) R8-3	24 x 30 24 x 24	5.00 4.00																						On Sign Above
	600+17, Lt.	R1-1	30 x 30	6.25																						
	600+17, Lt.	D3-2(1) D3-2(1) D3-2(5) D3-2(5)	42 x 10 42 x 10 48 x 10 48 x 10		2.92 2.92 3.33 3.33																					On Sign Above On Sign Above On Sign Above
	600+53, Rt.	"134"	12 x 6																							
	600+53, Rt.	D3-2(1) D3-2(1) D3-2(4) D3-2(4)	42 x 10 42 x 10 48 x 10 48 x 10		2.92 2.92 3.33 3.33																					On Sign Above On Sign Above On Sign Above
	600+54, Rt.	R1-1	30 x 30	6.25																						
RMA-1	600+86, Lt.	M3-4 M1-5	24 x 12 24 x 24	2.00 4.00																						On Sign Above
RMA-2	600+86, Lt.	M3-4 M1-4	24 x 12 30 x 24	2.00 5.00																						On Sign Above
	601+65, Lt.	SP-14 R8-3	72 x 24 24 x 24		12.00 4.00																					On Sign Above
RMA-3	602+38, Rt.	M2-1 M1-5	21 x 15 24 x 24	2.19 4.00																						On Sign Above
	602+94, Lt.	SP-11	60 x 24		10.0																					
	603+80, Rt.	R2-1(25)	24 x 30	5.00																						
	603+85, Lt.	R2-1(30) R7-1	24 x 30 12 x 18	5.00 1.50																						On Sign Above
	603+94, Lt.	R1-1	30 x 30	6.25																						
	603+96, Rt.	D3-2(1) D3-2(1) D3-2(2) D3-2(2)	42 x 10 42 x 10 54 x 10 54 x 10		2.92 2.92 3.75 3.75																					On Sign Above On Sign Above On Sign Above
	604+30, Rt.	R1-1	30 x 30	6.25																						
TOTAL THIS SHEET					81.44	73.68																				

Date: Mar 13, 2015, 11:08am User: D. Hoover File: M:\PDC\0681\2250\2015\Civil\Gwg\Misc\20150505.DWG Model: Tab: Sign Table 4



RECOMMENDED FOR APPROVAL: *BMS* 3-12-15  
DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

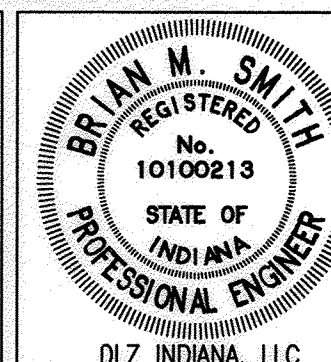
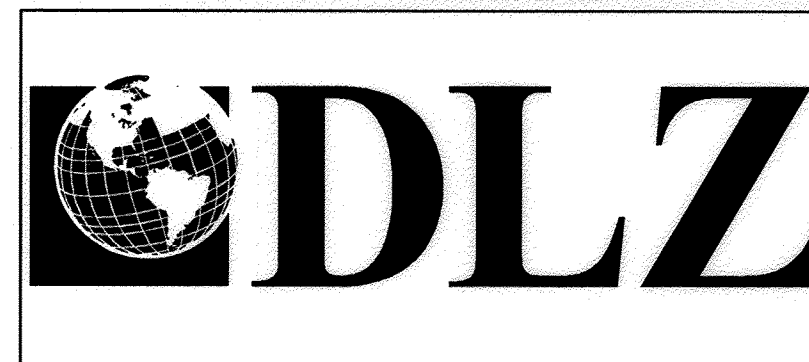
**SHEET SIGN AND POST SUMMARY TABLE**

HORIZONTAL SCALE	N/A	DESIGNATION	0710980
VERTICAL SCALE		SHEETS	75 of 158
SURVEY BOOK		PROJECT	R-31710
ELECTRONIC CONTRACT		PROJECT	0710(980)

# SHEET SIGN AND POST SUMMARY TABLE

PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN						POST												REMARKS					
			SIGN SIZE in x in	HIGH INTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE												
				2" x 2" x 12 GAUGE		2 1/4" x 2 1/4" x 12 GAUGE		POST LENGTH		POST TYPE		REINFORCED			UNREINFORCED			REINFORCED				UNREINFORCED				
				0.080	0.100	0.125	0.080	0.100	0.125	1	2	TYPE A	TYPE B	POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			
ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft	ft	ft	ft	1	2	TOTAL	1	2	TOTAL	1	TOTAL	1	TOTAL	1	TOTAL					
LINE 'H-2'	604+37, Lt.	D3-2(1)	42 x 10		2.92												12.7	12.7	25.4					On Sign Above		
		D3-2(1)	42 x 10		2.92																			On Sign Above		
		D3-2(3)	54 x 10		3.75																				On Sign Above	
		D3-2(3)	54 x 10		3.75																				On Sign Above	
RMA-4	604+42, Rt.	M3-1	24 x 12		2.00																15.3	15.3			On Sign Above	
		M1-5	24 x 24		4.00																				On Sign Above	
		M6-3	21 x 15		2.19																				On Sign Above	
RMA-5	604+42, Rt.	M3-2	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-4	30 x 24		5.00																				On Sign Above	
		M6-3	21 x 15		2.19																				On Sign Above	
RMA-6	604+42, Rt.	M3-2	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
		M6-3	21 x 15		2.19																				On Sign Above	
RMA-7	604+42, Rt.	M3-3	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
		M6-1(R)	21 x 15		2.19																				On Sign Above	
RMA-11	606+18, Rt.	R7-1	12 x 18		1.50																	12.5	12.5			On Sign Above
		R7-1	12 x 18		1.50																				On Sign Above	
		R7-1	12 x 18		1.50																				On Sign Above	
RMA-12	606+87, Lt.	RS-048	24 x 24		4.00																	14.3	14.3			On Sign Above
		M6-3	21 x 15		2.19																				On Sign Above	
		M6-3	21 x 15		2.19																				On Sign Above	
RMA-13	607+58, Lt.	M1-5	24 x 24		4.00																	14.3	14.3			On Sign Above
		M6-4	21 x 15		2.19																				On Sign Above	
		M6-4	21 x 15		2.19																				On Sign Above	
RMA-8	607+58, Lt.	D9-2	24 x 24		4.00																	17.5	17.5			On Sign Above
		M6-1(R)	21 x 15		2.19																				On Sign Above	
		M1-4	30 x 24		5.00																				On Sign Above	
RMA-9	607+58, Lt.	M6-4	21 x 15		2.19																					On Sign Above
		M3-1	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
RMA-10	607+58, Lt.	M6-1(R)	21 x 15		2.19																					On Sign Above
		M3-3	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
RMA-8	607+61, Lt.	M6-1(L)	21 x 15		2.19																					On Sign Above
		M3-4	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
RMA-9	607+61, Lt.	M6-3	21 x 15		2.19																					On Sign Above
		M3-4	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-4	30 x 24		5.00																				On Sign Above	
RMA-10	607+61, Lt.	M6-3	21 x 15		2.19																					On Sign Above
		M3-4	24 x 12		2.00																	15.3	15.3			On Sign Above
		M1-5	24 x 24		4.00																				On Sign Above	
TOTAL THIS SHEET	607+61, Rt.	D3-2(1)	42 X 10		2.92												12.7	12.7	25.4						On Sign Above	
		D3-2(1)	42 X 10		2.92																				On Sign Above	
		D3-2(12)	42 X 10		2.92																				On Sign Above	
		D3-2(12)	42 X 10		2.92																				On Sign Above	
TOTAL THIS SHEET				96.28	25.02												50.8					193.5				

Date: Mar-13, 2015, 11:08am User: D:\bhoover File: M:\PDS\0891\17230\2015\Sign\Sign Table 5 Model: Tab: Sign Table 5



RECOMMENDED FOR APPROVAL: *B.M.S.* 3-12-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

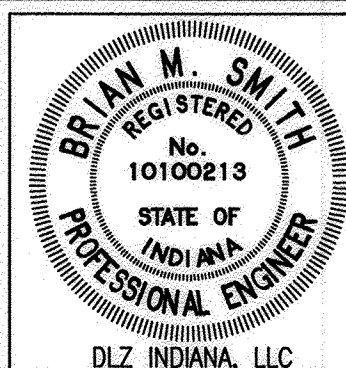
**SHEET SIGN AND POST SUMMARY TABLE**

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC CONTRACT	76 of 158 PROJECT
R-31710	0710(980)

# SHEET SIGN AND POST SUMMARY TABLE

PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN						POST												REMARKS	
			SIGN SIZE in x in	HIGH INTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE								
				0.080 ft <sup>2</sup>	0.100 ft <sup>2</sup>	0.125 ft <sup>2</sup>	0.080 ft <sup>2</sup>	0.100 ft <sup>2</sup>	0.125 ft <sup>2</sup>	POST LENGTH		POST TYPE		2" x 2" x 12 GAUGE			2 1/4" x 2 1/4" x 12 GAUGE					
										1 ft	2 ft	TYPE A ft	TYPE B ft	REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)					
									1			2			TOTAL							
<b>TOTAL THIS SHEET</b>																						
<b>TOTAL SHEET NO. 72</b>																						
<b>TOTAL SHEET NO. 73</b>																						
<b>TOTAL SHEET NO. 74</b>																						
<b>TOTAL SHEET NO. 75</b>																						
<b>TOTAL SHEET NO. 76</b>																						
<b>TOTAL ALL SHEETS</b>																						

Date: Mar 13, 2015, 11:08am User: dhoover File: M:\PROJ\086\1230\15\civil\eng\Misc\10155650.DWG Model: Tab: Sign Table 6



RECOMMENDED FOR APPROVAL: *B. M. Smith* 3-12-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**

**SHEET SIGN AND POST SUMMARY TABLE**

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC CONTRACT	77 of 158 PROJECT
R-31710	0710(980)



# SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	DISTANCE BEYOND R/W LINE	GRADE (LESS THAN 8.33% NOT SHOWN)	EXCAVATION	PCCP FOR APPROACHES, 6"	PCCP FOR APPROACHES, 9"	SURFACE		INTERMEDIATE		BASE		HMA FOR APPROACHES, TYPE B		SUBGRADE TREATMENT		BITUMINOUS MATERIAL FOR TACK COAT	MILLING, TRANSITION	MILLING, SCARIFICATION	MILLING, ASPHALT, 1 1/2"	HMA PATCHING, TYPE C	DENSE GRADED SUBBASE	HMA WIDENING TYPE C	HMA WEDGE AND LEVEL, TYPE D	REMARKS
									QC/QA-HMA, 3, 70, 9.5 mm	HMA, TYPE C	QC/QA-HMA, 3, 70, 9.5 mm	HMA, TYPE C	QC/QA-HMA, 3, 64, 19.0 mm	HMA, TYPE C	550#/SYD	1320#/SYD	IC	II									
									165#/SYD	165#/SYD	165#/SYD	275#/SYD	(VARIES) #/SYD	880#/SYD	550#/SYD	1320#/SYD	TON	TON									
LINE 'H-2'																											
522+94.5 LT.	Cl. III Comm. Drive	29.7	7.6		10/5																						
524+25.1 LT.	Cl. III Comm. Drive	31.8	5.5		5/12																						
526+32.9 LT.	Cl. III Comm. Drive	31.6	10.8		10/8																						
526+79.0 RT.	Cl. V Field Entrance	24.7	19.0		5/28																						
528+41.6 LT.	Cl. IV Comm. Drive	73.1	7.0		5/5											39		59		0.05							
528+82.7 RT.	Cl. IV Comm. Drive	35.3	8.8							3.7										0.02		45					
531+05.9 LT.	Cl. IV Comm. Drive	90.9	7.9							6.3										0.02		76					
534+64.0 RT.	Cl. IV Comm. Drive	21.8	1.9							4.3										0.02		52					
536+80.6 RT.	Cl. IV Comm. Drive	55.6	3.9		40/40					2.8										0.01		34					
537+54.9 LT.	Cl. II Private Drive	21.5	5.0							1.1										0.01		14					
539+17.3 LT.	Cl. II Private Drive	13.4	15.2		10/25											8		28		0.01							
540+49.0 LT.	Cl. II Private Drive	10.3	5.0							0.5										0.01		6					
540+92.0 RT.	Cl. IV Comm. Drive	56.7	5.0							2.9										0.01		36					
541+87.4 RT.	Cl. IV Comm. Drive	50.8	5.0							2.7										0.01		32					
544+22.3 LT.	Pub. Rd. Appr. Type 'B' Mod.	43.5	60.4		41.4/49.9					22.6										0.07		110					
544+31.2 RT.	Cl. IV Comm. Drive	97.6	10.0							12.9										0.04		156					
548+08.7 LT.	Cl. II Private Drive	40.6	5.0							1.9										0.01						24	
549+06.6 RT.	Cl. IV Comm. Drive	33.8	5.0							1.7										0.01						20	
549+98.2 LT.	Cl. II Private Drive	18.3	5.0							0.9										0.01						11	
551+76.4 LT.	Cl. II Private Drive	25.7	5.0							1.5										0.01						19	
552+15.7 LT.	Cl. II Private Drive	12.7	5.0							0.7										0.01						8	
552+90.5 LT.	Cl. II Private Drive	14.5	5.0							0.7										0.01						8	
553+31.7 RT.	Cl. IV Comm. Drive	88.0	5.0							5.2										0.02						63	
556+51.3 LT.	Cl. II Private Drive	15.6	5.6		10/20											7		27		0.01							
557+04.4 RT.	Cl. IV Comm. Drive	91.7	5							5.0										0.02						60	
557+92.9 LT.	Cl. II Private Drive	12.0	14.4		10/10											6		21		0.01							
559+96.1 LT.	Cl. I Private Drive	15.5	18.0		10/10			41												41							
<b>TOTAL THIS SHEET</b>								41	96	77.4						21	39		272	0.40	561						213

Date: Apr 28, 2015, 8:01am User: D:\kshyler File: M:\PROJ\0861\2350\2015\civil\cheg\Tables\2015A150.DWG Model Tab: Plan Set

		RECOMMENDED FOR APPROVAL <i>RML</i> <span style="float: right;">4-28-15</span>	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE N/A	DESIGNATION 0710980
		DESIGNED: BBL DRAWN: DPH	APPROACH TABLE	SURVEY BOOK ELECTRONIC CONTRACT R-31710	SHEETS 79 of 158 PROJECT 0710(980)
		CHECKED: PDF CHECKED: BBL			

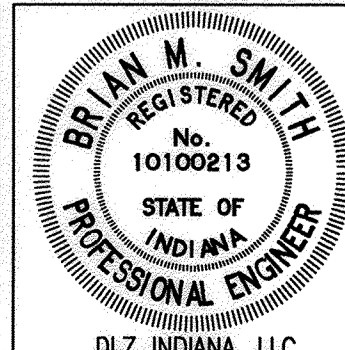
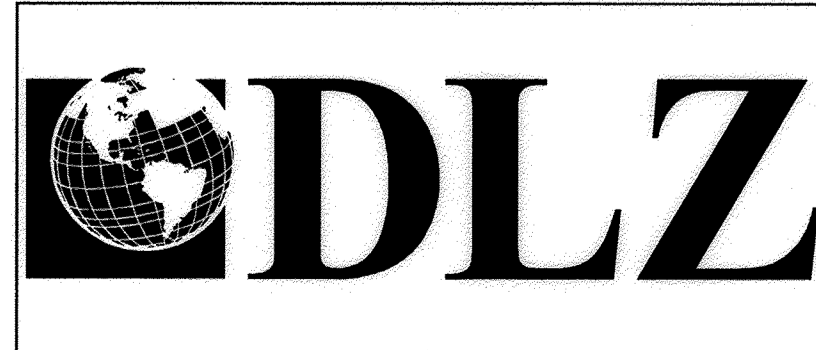




# SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH		DISTANCE BEYOND R/W LINE	RADIUS 'R'	GRADE (LESS THAN 8.33% NOT SHOWN)		EXCAVATION		POCCP FOR APPROACHES, 6"	POCCP FOR APPROACHES, 9"	SURFACE		INTERMEDIATE		BASE		HMA FOR APPROACHES, TYPE B		COMPACTED AGGREGATE FOR BASE NO. 53	SUBGRADE TREATMENT		BITUMINOUS MATERIAL FOR TACK COAT	MILLING, TRANSITION	MILLING, SCARIFICATION	MILLING, ASPHALT, 1 1/2"	SURFACE MILLING, POCCP, 1 1/2"	HMA PATCHING, TYPE C	DENSE GRADED SUBBASE	HMA WIDENING TYPE C	HMA WEDGE AND LEVEL, TYPE D	REMARKS			
		W'	L'			1	2	CYS				QC/QA-HMA, 3, 70, 9.5 mm	HMA, TYPE C	QC/QA-HMA, 3, 70, 9.5 mm	HMA, TYPE C	QC/QA-HMA, 3, 64, 19.0 mm	HMA, TYPE C	550#/SYD	1320#/SYD		IC	II													
		FEET	FEET					FEET	FEET																								%	%	CUT
<b>LINE 'H-2'</b>																																			
582+15.6 LT.	Cl. I Private Drive	12.0	6.5		5/5						13																								
582+27.1 RT.	Cl. I Private Drive	12.0	6.5		5/5						13																								
583+00.3 RT.	Cl. III Comm. Drive	30.0	8.0		5/5						31																								
583+23.6 LT.	Cl. III Comm. Drive	13.0	11.9		5/5						22																								
583+71.3 LT.	Cl. III Comm. Drive	35.0	11.5		10/10						54																								
584+44.3 RT.	Cl. III Comm. Drive	30.0	8.0		5/5						31																								
585+25.4 LT.	Street Approach	30.4	21.5		15/15							8.0									97		0.06			96		45.1							
585+82.6 LT.	Cl. III Comm. Drive	30.0	8.0		8/10						34																								
586+52.6 LT.	Cl. III Comm. Drive	14.3	11.0		5/0						21																								
586+67.1 LT.	Cl. I Private Drive	10.2	11.0		0/5						16																								
586+72.4 RT.	Cl. III Comm. Drive	30.0	8.0		5/5						31																								
587+46.1 RT.	Cl. III Comm. Drive	30.0	8.0		5/5						31																								
587+90.9 LT.	Street Approach	18.5	26.4		15/15							6.9									84		0.06		84		39.2								
588+50.4 RT.	Cl. III Comm. Drive	40.0	8.0		5/5						40																								
589+15.4 RT.	Cl. III Comm. Drive	50.1	8.0		5/5						49																								
589+37.0 LT.	Cl. III Comm. Drive	30.0	14.8	1.8	10/10						60																								
<b>LINE 'PRH-2'</b>																																			
590+27.7 RT.	Street Approach	53.9	16.3		15/10							6.3													0.04		76		35.6						
590+39.9 LT.	Cl. III Comm. Drive	15.5	11.6		5/10						31																								
591+38.2 LT.	Cl. III Comm. Drive	24.0	15.8		10/10						52																								
592+13.4 LT.	Cl. III Comm. Drive	12.0	9.5		5/5						17																								
593+02.4 LT.	Street Approach	25.1	32.4		10/10							8.8									108		0.06		107		50.1								
594+84.0 LT.	Cl. I Private Drive	10.0	13.0		5/5						19																								
595+51.7 LT.	Cl. I Private Drive	11.8	19.5		5/5						18																								
596+63.5 LT.	Street Approach	31.0	25.0		10/10							8.2									100		0.06		99		46.5								
597+41.0 LT.	Cl. III Comm. Drive	30.0	13.2		10/10						54																								
598+68.4 LT.	Cl. I Private Drive	20.0	17.0		10/10						48																								
598+97.8 RT.	Cl. III Comm. Drive	30.0	11.4		10/10						48																								
<b>TOTAL THIS SHEET</b>											127	606	38.2								389	733	0.28		462		216.5								

Date: Apr 28, 2015, 8:01 am User: D:\kshah\user File: I:\PROJ\0861\2750\2015\civil\dwg\Tables\_2015\15152.DWG Model Tab: Plan Set



RECOMMENDED FOR APPROVAL	<i>B. Smith</i>	4-29-15
	DESIGN ENGINEER	DATE
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

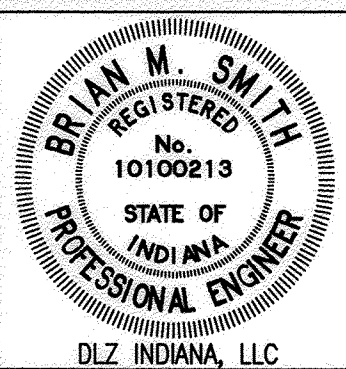
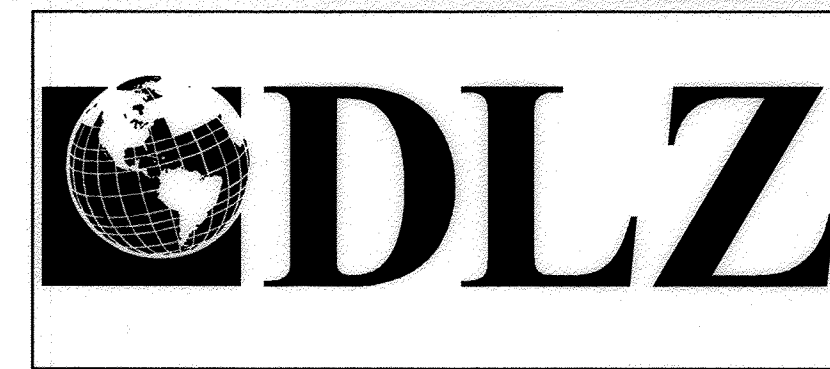
INDIANA DEPARTMENT OF TRANSPORTATION	
APPROACH TABLE	

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS
ELECTRONIC	81 of 158
CONTRACT	PROJECT
R-31710	0710(980)

# SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH  FEET	LENGTH  FEET	DISTANCE BEYOND R/W LINE  FEET	RADII 'R'  FEET	GRADE (LESS THAN 8.33% NOT SHOWN)		EXCAVATION		PCCP FOR APPROACHES, 6" SYS	PCCP FOR APPROACHES, 9" SYS	SURFACE		INTERMEDIATE		BASE		HMA FOR APPROACHES, TYPE B		COMPACTED AGGREGATE FOR BASE, NO. 53 TON	SUBGRADE TREATMENT		BITUMINOUS MATERIAL FOR TACK COAT TON	MILLING, TRANSITION SYS	MILLING, SCARIFICATION SYS	MILLING, ASPHALT, 1 1/2" SYS	HMA FOR TEMP PAVEMENT, TYPE C TON	HMA PATCHING, TYPE C TON	DENSE GRADED SUBBASE CYD	HMA PATCHING, TYPE B TON	HMA WEDGE AND LEVEL, TYPE D TON	REMARKS				
						1 %	2 %	CUT	FILL			CYS	QC/QA-HMA, 3, 70, 9.5 mm 165#/SYD TON	HMA, TYPE C 165#/SYD TON	QC/QA-HMA, 3, 70, 9.5 mm 165#/SYD TON	HMA, TYPE C 275#/SYD TON	QC/QA-HMA, 3, 64, 19.0 mm (VARIES) #/SYD TON	HMA, TYPE C 880#/SYD TON	550#/SYD TON		1320#/SYD TON	IC SYS											II SYS			
LINE 'H-2'																																				
599+47.7 LT.	Cl. III Comm. Drive	30.0	18.1		10/10						71																									
600+33.3 LT	Street Approach	25.5	27.0		10/10							8.0										98		0.06			97		45.4							
600+35.2 RT.	Street Approach	26.6	14.7		10/10							4.2												0.04			50		23.5							
601+51.9 LT.	Cl. I Private Drive	10.0	18.8		10/10						31																									
602+13.2 LT.	Cl. I Private Drive	10.0	18.9		10/10						31																									
602+29.1 RT.	Cl. I Private Drive	10.0	24.7		10/10						32																									
604+10.2 LT.	Street Approach	28.6	33.0		10/10							10.6															129		0.08			129		60.3		
604+13.0 RT.	Street Approach	26.0	30.0		10/10							7.4																0.06			90		42.1			
605+90.6 RT.	Cl. III Comm. Drive	40.9	22.3		5/5						108																									
605+97.4 LT.	Cl. I Private Drive	12.0	21.0		10/15						40																									
606+17.2 LT.	Cl. I Private Drive	10.0	21.3		10/15						36																									
607+01.2 RT.	Cl. III Comm. Drive	35.0	21.0		10/10						83																									
607+15.6 LT.	Cl. III Comm. Drive	30.7	22.7		10/15						93																									
607+82.3 LT.	Street Approach	32.9	17.6		10/9.4							8.3																0.06			101		46.9			
607+90.0 RT.	Street Approach	34.5	22.1		30/17.9																															
<b>MAINLINE</b>												1865.2		1642			851				212	8124	399	13.30	2259	9013	24511		2245			92				
<b>MAINTENANCE OF TRAFFIC</b>																					416		124								34					
<b>PATCHING TABLE</b>																						2222										1467				
<b>SUBTOTAL, THIS SHEET</b>										170	355	1903.7		1642.0			851.0				628	10573	1048	0.30	2259	9013	24978	34	3930			92				
<b>SUBTOTAL, SHEET 79</b>										41	96	77.4								21	39							272	0.40	561		213				
<b>SUBTOTAL, SHEET 80</b>										241	1035	6.9								6								1299	0.04			84				
<b>SUBTOTAL, SHEET 81</b>										127	606	38.2										389	733	0.28						462		216.5				
<b>TOTAL ALL SHEETS</b>										579	2092	2026		1642.0			851.0			27	39	628	10962	3352	14.3	2820	9013	25737	34	4147			92			

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RECOMMENDED FOR APPROVAL: *Bmk* 4-28-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**APPROACH TABLE**

HORIZONTAL SCALE N/A	DESIGNATION 0710980
VERTICAL SCALE	SHEETS 82 of 158
SURVEY BOOK ELECTRONIC CONTRACT R-31710	PROJECT 0710(980)



HMA PATCHING TABLE									
LINE	BEGIN STATION	END STATION	OFFSET		AREA	HMA PATCHING		PAVEMENT REMOVAL	
			FT	FT		SFT	SYS	SYS	SYS
H-2	560+04.00	561+40.00	9	Lt	11.3	Lt	312.80	34.8	34.8
H-2	562+00.00	562+20.00	9	Lt	11.4	Lt	48.00	5.4	5.4
H-2	565+11.00	565+19.00	12.5	Rt	17.5	Lt	240.00	27.0	27.0
H-2	566+13.80	566+43.80	4	Rt	13	Rt	270.00	30.0	30.0
H-2	566+75.00	566+79.00	13	Rt	17.7	Lt	122.80	13.7	13.7
H-2	567+00.00	567+15.00	13	Rt	17.7	Lt	460.50	51.2	51.2
H-2	567+35.00	567+55.00	9	Rt	9	Lt	360.00	40.0	40.0
H-2	567+65.00	567+95.00	13	Rt	9	Lt	660.00	73.4	73.4
H-2	569+25.00	569+35.00	13	Rt	17.7	Lt	307.00	34.2	34.2
H-2	569+60.80	570+05.00	13	Rt	17.7	Lt	1357.00	150.8	150.8
H-2	570+05.00	570+35.00	7	Lt	17.7	Lt	321.00	35.7	35.7
H-2	570+35.00	570+50.00	13	Rt	17.7	Lt	460.50	51.2	51.2
H-2	570+75.00	571+00.00	13	Rt	17.7	Lt	767.50	85.3	85.3
H-2	571+75.00	572+00.00	16	Rt	18	Lt	850.00	94.5	94.5
H-2	574+94.00	574+97.00	16	Rt	9	Lt	75.00	8.4	8.4
H-2	576+53.80	577+25.00	7	Lt	9	Lt	142.40	15.9	15.9
H-2	577+62.00	578+15.00	7	Lt	9	Lt	106.00	11.8	11.8
H-2	578+61.00	578+86.00	16	Rt	14	Lt	750.00	83.4	83.4
H-2	579+88.00	579+93.00	13	Rt	16	Lt	145.00	16.2	16.2
H-2	580+03.00	580+25.00	13	Rt	16	Lt	638.00	70.9	70.9
H-2	581+30.00	581+68.00	13	Rt	16	Lt	1102.00	122.5	122.5
H-2	582+05.00	582+78.00	16	Rt	16	Lt	2336.00	259.6	259.6
H-2	582+82.00	583+49.00	13	Lt	16	Rt	1943.00	215.9	215.9
H-2	583+83.00	583+93.00	16	Rt	13	Lt	290.00	32.3	32.3
H-2	584+50.00	584+75.00	9	Lt	13	Lt	100.00	11.2	11.2
H-2	584+75.00	584+87.30	11	Rt	13	Lt	295.30	32.9	32.9
H-2	584+87.30	585+65.00	9	Lt	13	Lt	310.80	34.6	34.6
H-2	585+75.00	585+80.00	13	Lt	16	Rt	145.00	16.2	16.2
H-2	585+80.00	586+18.00	9	Lt	13	Lt	152.00	16.9	16.9
H-2	588+03.50	588+31.50	9	Lt	13	Lt	112.00	12.5	12.5
H-2	590+13.00	590+60.00	16	Rt	13	Lt	1363.00	151.5	151.5
H-2	590+60.00	590+86.00	9	Rt	9	Lt	468.00	52.0	52.0
H-2	591+16.00	592+25.00	9	Lt	13	Lt	436.00	48.5	48.5
H-2	593+50.00	594+20.00	9	Lt	13	Lt	280.00	31.2	31.2
H-2	594+50.00	595+06.30	9	Lt	13	Lt	225.30	25.1	25.1
H-2	599+42.80	599+52.80	9	Lt	13	Lt	40.00	4.5	4.5
H-2	600+81.00	600+91.00	9	Lt	13	Lt	40.00	4.5	4.5
H-2	601+84.00	601+90.00	9	Lt	13	Lt	24.00	2.7	2.7
H-2	603+20.00	603+32.00	9	Lt	13	Lt	48.00	5.4	5.4
H-2	603+88.50	603+94.70	16	Rt	13	Lt	179.80	20.0	20.0
H-2	603+94.70	604+09.70	9	Lt	13	Lt	60.00	6.7	6.7
H-2	605+00.00	605+06.00	9	Lt	13	Lt	24.00	2.7	2.7
H-2	605+38.00	605+44.00	9	Lt	13	Lt	24.00	2.7	2.7
H-2	606+30.00	606+52.00	9	Lt	16	Lt	154.00	17.2	17.2
H-2	607+25.00	607+33.00	17.2	Rt	16	Lt	265.60	29.6	29.6
H-2	607+33.00	607+71.00	5	Rt	18	Rt	494.00	54.9	54.9
H-2	608+96.30	609+08.30	15.5	Lt	22.5	Lt	84.00	9.4	9.4
						ADDITIONAL 3% =	65.0	65.0	65.0
						TOTAL =	2222.0	2222.0	2222.0

**NOTES**

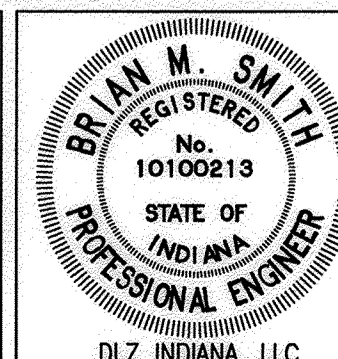
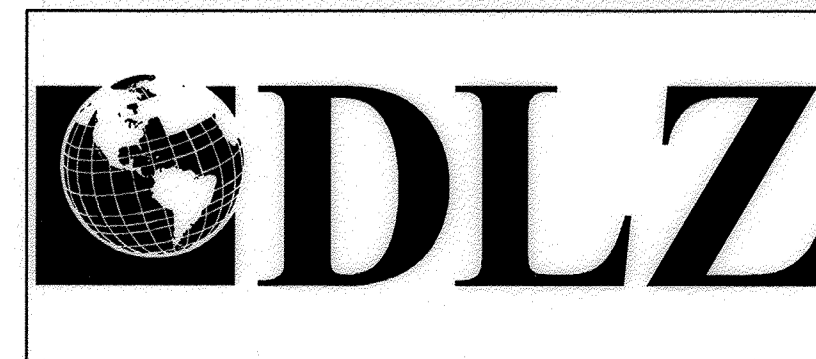
1. HMA Patching To Be Completed Utilizing:

- (B1) 165#/SYD QC/QA-HMA, 3, 70, Surface, 9.5 mm, On HMA For Patching, Type C, Consisting Of:
  - 165#/SYD HMA Intermediate, Type C, On
  - Minimum 770#/SYD HMA Base, Type C), On
  - Subgrade Treatment, Type IC

MONUMENTS						
ALIGNMENT		TYPE				
LINE	STATION	A	B	C	D	SEC. COR.
'H-2'	P.T. Sta. 527+89.42	X				
	P.C. Sta. 533+25.55	X				
	P.I. Sta. 535+95.95		X			
	P.T. Sta. 538+62.75	X				
	P.C. Sta. 550+94.48	X				
	P.I. Sta. 555+11.18	X				
	P.T. Sta. 559+27.82	X				
	P.C. Sta. 560+70.02	X				
	P.I. Sta. 563+01.22	X				
	P.T. Sta. 565+32.40	X				
	P.C. Sta. 569+85.72	X				
	P.T. Sta. 574+47.47	X				
	P.C. Sta. 588+45.86	X				
	P.I. Sta. 593+45.86	X				
	P.T. Sta. 598+45.81	X				
<b>Total</b>		14	1			

R/W MARKERS		
ALIGNMENT	STATION	OFFSET
		ft
Line 'H-2'	520+66.82, Lt.	30
Line 'H-2'	520+66.82, Rt.	30
Line 'H-2'	522+00.00, Lt.	50
Line 'H-2'	522+80.00, Lt.	35
Line 'H-2'	524+00.00, Lt.	30
Line 'H-2'	527+89.45, Lt.	30
Line 'H-2'	527+89.45, Rt.	30
Line 'H-2'	533+25.55, Lt.	30
Line 'H-2'	533+25.55, Rt.	30
Line 'H-2'	538+62.75, Lt.	30
Line 'H-2'	538+62.75, Rt.	30
Line 'H-2'	540+47.73, Lt.	30
Line 'H-2'	540+47.73, Lt.	40
Line 'H-2'	540+47.73, Rt.	30
Line 'H-2'	540+97.71, Lt.	40
Line 'H-2'	541+17.73, Lt.	40
Line 'H-2'	551+29.70, Lt.	30
Line 'H-2'	552+97.60, Rt.	30
Line 'H-2'	552+99.07, Lt.	30
Line 'H-2'	552+99.07, Lt.	40
Line 'H-2'	554+99.07, Lt.	40
Line 'H-2'	554+99.07, Lt.	30
Line 'H-2'	558+50.00, Lt.	30
Line 'H-2'	559+50.00, Lt.	50
Line 'H-2'	560+50.00, Lt.	50
Line 'H-2'	561+50.00, Lt.	30
Line 'H-2'	562+60.12, Lt.	30
Line 'H-2'	563+50.00, Lt.	12
Line 'H-2'	565+32.40, Rt.	30
Line 'H-2'	569+85.72, Rt.	30
Line 'H-2'	571+68.29, Lt.	30
Line 'H-2'	573+10.00, Rt.	30
Line 'H-2'	573+10.00, Rt.	20
Line 'H-2'	574+47.47, Lt.	30
Line 'H-2'	574+47.47, Rt.	20
Line 'H-2'	574+95.00, Rt.	20
Line 'H-2'	574+95.00, Rt.	30
Line 'H-2'	584+75.00, Rt.	30
Line 'H-2'	584+75.00, Rt.	25
Line 'H-2'	584+95.00, Lt.	30
Line 'H-2'	585+11.11, Lt.	40
Line 'H-2'	585+41.11, Lt.	40
Line 'H-2'	585+50.00, Lt.	30
Line 'H-2'	586+40.00, Rt.	25
Line 'H-2'	586+40.00, Rt.	30
Line 'H-2'	587+65.00, Rt.	30
Line 'H-2'	587+65.00, Rt.	23
Line 'H-2'	587+70.00, Lt.	30
Line 'H-2'	587+81.16, Lt.	45
Line 'H-2'	588+15.01, Lt.	30
Line 'H-2'	588+20.00, Rt.	23
Line 'H-2'	588+20.00, Rt.	27
Line 'H-2'	588+45.86, Lt.	30
Line 'H-2'	588+45.86, Rt.	27
Line 'H-2'	589+65.00, Lt.	30
Line 'H-2'	589+65.00, Lt.	25
Line 'H-2'	589+84.00, Rt.	27
Line 'H-2'	589+95.00, Rt.	30
Line 'H-2'	593+37.60, Rt.	30
<b>Total (Each)</b>		58

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RECOMMENDED FOR APPROVAL	<i>B n b</i>	4-28-15
DESIGNED:	BBL	DRAWN: DPH
CHECKED:	PDF	CHECKED: BBL

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**ROAD SUMMARY TABLE**

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 84 of 158
ELECTRONIC CONTRACT	PROJECT 0710(980)

\* TOP OF CASTING ELEVATIONS FOR CONCRETE CURB AND GUTTER ARE CALCULATED 0.13 FT BELOW THE EDGE OF PAVEMENT ELEVATION.

\*\* TOP OF CASTING ELEVATIONS FOR CONCRETE CURB ARE CALCULATED 0.05 FT BELOW EDGE OF PAVEMENT ELEVATION.

# STRUCTURE DATA

NOTES:

- CONTRACTOR TO FIELD VERIFY UPSTREAM INVERT BEFORE PLACING.
- DI= DUCTILE IRON
- TOP OF CASTING ELEVATION FOR THIS INLET STRUCTURE IS LOCATED AT THE LOWER END OF THE INLET GRATE, WHERE THE UPSTREAM DITCH ENDS AT THE INLET.
- CONNECT UNDERDRAIN OUTLET PIPE TO THIS STRUCTURE.

STRUCTURE NUMBER	LOCATION				DESCRIPTION	FLOWLINE		TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL		FLOWABLE BACKFILL	REVEITEMENT RIP-RAP	CONCRETE CLASS A FOR STR.	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION				SAFETY METAL END SECTION	CONNECT TO STR.	NOTES/REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	UPSTREAM INVERT						DOWNSTREAM INVERT	TYPE						CYS	TYPE	CYS	TON			
10	522+50	X			2	INLET TYPE E-7	252	2.3	584.35	592.85	598.10	75	NA	6.5	1	2	92							11		
11	525+00	X			15	INLET TYPE C-15	166	3.8	589.77	588.86	596.65	75	NA	6.5	1	2	94							12		
12	526+65	X			15	INLET TYPE C-15	130	2.6	587.80	586.75	592.61	75	NA	6.5	1	2	53							13		
13	527+95	X			24	MOD. MH TYPE J-15	118	0.9	586.00	585.43	589.93	75	NA	6.5	1	2	35							14	CONNECT TO EXIST. MH	
14	529+13	X				EXIST. MANHOLE																			USE IN PLACE	
15	544+68	X			21	EXIST. SAN. MH																			ADJ. CASTING TO GRADE	
16	560+16.6	X		36.2	12	INLET TYPE P-12 (6.1)	38	0.9	588.80	598.19	600.00	75	NA	6.5	2	2	3								SEE NOTE 3 ABOVE	
17	564+65	X			12	DI INLET TYPE J-10	295	2.5	595.23	587.94	599.23	75	NA	6.5	1	2	102							19		
18						NOT USED																				
19	567+60	X			12	DI INLET TYPE M-10	160	3.4	586.28	583.16	591.44	75	NA	6.5	1	2	73							20		
20	569+20	X			15	DI INLET TYPE M-10	127	4.1	581.36	578.90	587.18	75	NA	6.5	1	2	77							21		
21	570+48	X			15	DI INLET TYPE M-10	124	4.2	578.01	575.61	584.31	75	NA	6.5	1	2	77							22		
22	571+68	X			15	MOD. MH TYPE C-10	42	4.6	573.80	573.00	580.78	75	NA	6.5	1	2	28							24		
23						NOT USED																				
24	571+94	X			18	MOD. MH TYPE C-10	13	3.9	572.50	572.26	578.18	75	NA	6.5	1	2	8							25	SEE NOTE 4 ABOVE	
25	572+08	X			18	MOD. MH TYPE C-10	140	3.5	571.72	569.03	577.83	75	NA	6.5	1	2	83							26		
26	573+50	X			18	DI MOD. MH TYPE C-10	98	2.8	568.41	567.00	573.44	75	NA	6.5	1	2	48							27		
27	574+50	X			18	DI MOD. MH TYPE C-10	130	2.8	566.43	565.17	571.05	75	NA	6.5	1	2	64							29		
28	575+83	X		28	24	DI EXIST. INLET	12	1.1	566.25	566.18	569.60	75	NA	6.5	1	2	4							29	USE IN PLACE	
29	575+80	X			24	MOD. MH TYPE C-10	32	3.9	563.68	563.30		75	NA	6.5	1	2	25							30		
30	575+80	X			24	MOD. MH TYPE C-10	163	2.1	563.24	561.60	569.68	75	NA	6.5	1	2	78						1			
31	576+50	X			12	MOD. INLET TYPE HA-5	69	4.4	564.15	563.75	569.51	75	NA	6.5	1	2	40							29		
32	576+50	X			12	INLET TYPE J-10	32	2.2	566.16	565.93	569.43	75	NA	6.5	1	2	10							31		
33	577+61	X			12	INLET TYPE M-10	110	3.7	564.80	564.14	569.23	75	NA	6.5	1	2	54							31		
34	577+50	X			12	INLET TYPE J-10	33	2.2	566.02	565.70	569.34	75	NA	6.5	1	2	10							33		
35						NOT USED																				
35A	578+70	X				EXIST. 18" PIPE																			USE IN PLACE	
36						NOT USED																				
37	579+45	X			12	INLET TYPE J-10	36	1.9	565.97	565.82	568.90	75	NA	6.5	1	2	10							38		
38	579+45	X			12	INLET TYPE M-10	53	2.1	565.82	565.80	569.07	75	NA	6.5	1	2	16							40		
39	579+98	X			12	INLET TYPE J-10	36	2.0	565.75	565.60	568.74	75	NA	6.5	1	2	10							40		
40	579+98	X			12	INLET TYPE M-10	16	1.1	565.60	565.50	569.03	75	NA	6.5	1	2	3							1		
41	580+25	X			12	INLET TYPE M-10	15	1.2	565.47	565.40	569.02	75	NA	6.5	1	2	3							1		
41A	580+15	X		29		EXIST. INLET																			USE IN PLACE	
42	580+90	X			12	INLET TYPE J-10	35	1.5	566.16	566.02	568.85	75	NA	6.5	1	2	8							43		
43	581+25	X			12	INLET TYPE M-10	36	1.7	566.02	565.87	568.85	75	NA	6.5	1	2	9							44		
44	581+25	X			12	INLET TYPE M-10	100	2.1	565.87	565.47	568.93	75	NA	6.5	1	2	30							41		
45	582+00	X			12	INLET TYPE J-10	36	1.4	566.32	566.17	568.90	75	NA	6.5	1	2	8							46		
46	582+00	X			12	INLET TYPE M-10	75	1.6	566.17	565.87	568.77	75	NA	6.5	1	2	18							44		
47	582+71	X		75.4	24	MANHOLE TYPE C-4	22	1.2	563.78	563.70	568.55	75	NA	6.5	1	2	7							1		
48	582+75	X			24	MOD. MH TYPE C-10	57	2.5	563.95	563.78	568.73	75	NA	6.5	1	2	31							47		
49	582+85	X			24	DI MOD. MH TYPE C-10	37	2.5	564.06	563.95	568.88	75	NA	6.5	1	2	20							48		
50	583+42	X			24	DI MOD. MH TYPE C-10	57	2.4	564.27	564.06	568.93	75	NA	6.5	1	2	30							49		
51	583+42	X			12	INLET TYPE J-10	36	2.3	565.43	565.27	568.84	75	NA	6.5	1	2	12							50		
52	584+15	X			18	DI MOD. MH TYPE C-10	73	2.4	564.95	564.77	569.05	75	NA	6.5	1	2	32							50		
53	584+15	X			12	DI INLET TYPE J-10	36	2.2	565.60	565.45	568.96	75	NA	6.5	1	2	11							52		
54	584+85	X			18	DI MOD. MH TYPE C-10	70	2.2	565.45	565.10	569.40	75	NA	6.5	1	2	29							52		
55	585+70	X			18	DI MOD. MH TYPE C-2	85	2.2	566.48	565.45	570.51	75	NA	6.5	1	2	35							54		
56	585+70	X			12	DI INLET TYPE J-10	36	2.4	566.98	566.83	570.48	75	NA	6.5	1	2	12							55		

STRUCTURE NUMBER	LOCATION				DESCRIPTION	FLOWLINE		TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL		FLOWABLE BACKFILL	REVEITEMENT RIP-RAP	CONCRETE CLASS A FOR STR.	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION				SAFETY METAL END SECTION	CONNECT TO STR.	NOTES/REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	UPSTREAM INVERT						DOWNSTREAM INVERT	TYPE						CYS	TYPE	CYS	TON			
57	587+20	X			12	DI MOD. MH TYPE C-10	150	2.4	570.45	567.21	574.40	75	NA	6.5	1	2	50								55	
58	587+20	X			12	INLET TYPE J-10	36	2.2	571.00	570.85	574.41	75	NA	6.5	1	2	11								57	
59	587+54	X			12	DI MOD. MH TYPE C-10	34	2.3	571.93	570.98	575.59	75	NA	6.5	1	2	11								57	
60	588+02	X			18	DI MANHOLE TYPE C-4	48	2.3	573.51	572.26	577.24	75	NA	6.5	1	2	15								59	
61	588+02	X		32.6	12	DI INLET TYPE J-10	14	2.2	574.46	574.07	578.06	75	NA	6.5	1	2	4								60	
62	588+27	X			12	MOD. MH TYPE C-10	25	2.6	574.21	573.10	577.66	75	NA	6.5	1	2	9								60	
63	588+83	X			12	INLET TYPE J-10	36	2.2	575.21	575.06	578.54	75	NA	6.5	1	2										



Date: Apr 14, 2015, 2:54pm User: ID: cdlumpf  
 File: H:\PROJ\080112735\080112735\enr\img\tablea\018PMSO.DWG Model Tab: Pipe Mat

		STRUCTURE NUMBER																					
		10	11	12	13	16	17	19	20	21	22	24	25	26	27	28	29	30	31	32	33	34	37
PIPE TYPE / SHAPE		2	2	2	2	2	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	2	2	2	Ductile Iron	Ductile Iron	Ductile Iron	2	2	2	2	2	2	2
SMOOTH PIPE SIZE		15	15	15	24	12	12	12	15	15	15	18	18	18	18	24	24	24	12	12	12	12	12
CORRUGATED PIPE SIZE																							
RCP/RCHP (S)	CLASS	II	II	II	II	IV				II	II	II				II	II	II	II	II	II	II	II
	D <sub>0.01</sub> RATING	1000	1000	1000	1000	1500				1000	1000	1000				1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		.	.	.	.	.				.	.	.				.	.	.	.	.	.	.	.
CORRUGATED PE PIPE, TYPE S (S)*		.	.	.	.	.				.	.	.				.	.	.	.	.	.	.	.
RIBBED PE PIPE (S)*		.	.	.	.	.				.	.	.				.	.	.	.	.	.	.	.
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		26.00	26.00	26.00						26.00	26.00	26.00				26.00	26.00	26.00	26.00	26.00	26.00	26.00	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 (LS or R)																						
	ZINC COATED (C)																						
	ZINC COATED W/ BPI (C)																						
	ALUM. COATED TYPE 2 (C)																						
	ALUM. COATED TYPE 2 W/ BPI (C)																						
	POLYMER PRECOATED GALVANIZED (LS or R)																						
	POLYMER PRECOATED GALVANIZED W/ BPI (C)																						
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)				2.67 X 0.5							2.67 X 0.5	2.67 X 0.5				2.67 X 0.5	2.67 X 0.5					
	FIBER BONDED BITUMINOUS COATED (C)				0.109							0.109	0.109				0.109	0.109					
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)																						
	CORRUGATED ALUM. ALLOY PIPE (LS or R)																						
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																						
	STR. PLATE ALUMINUM ALLOY PLATE (C)																						
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)																						
STR. PLATE STEEL PIPE (C)																							
STR. PLATE STEEL PIPE W/ CFP (C)																							

		STRUCTURE NUMBER																
		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
PIPE TYPE / SHAPE		2	2	2	2	2	2	2	2	2	2	2	Ductile Iron	Ductile Iron	2	Ductile Iron	Ductile Iron	Ductile Iron
SMOOTH PIPE SIZE		12	12	12	12	12	12	12	12	12	24	24	24	24	12	18	12	18
CORRUGATED PIPE SIZE																		
RCP/RCHP (S)	CLASS	II	II	III	III	II	II	II	II	II	II	II			II			
	D <sub>0.01</sub> RATING	1000	1000	1250	1250	1000	1000	1000	1000	1000	1000	1000			1000			
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		.	.	.	.	.	.	.	.	.	.	.			.	.	.	.
CORRUGATED PE PIPE, TYPE S (S)*		.	.	.	.	.	.	.	.	.	.	.			.	.	.	.
RIBBED PE PIPE (S)*		.	.	.	.	.	.	.	.	.	.	.			.	.	.	.
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		26.00	26.00			26.00					26.00				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 (LS or R)																	
	ZINC COATED (C)																	
	ZINC COATED W/ BPI (C)																	
	ALUM. COATED TYPE 2 (C)																	
	ALUM. COATED TYPE 2 W/ BPI (C)																	
	POLYMER PRECOATED GALVANIZED (LS or R)																	
	POLYMER PRECOATED GALVANIZED W/ BPI (C)																	
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)											2.67 X 0.5	2.67 X 0.5					
	FIBER BONDED BITUMINOUS COATED (C)											0.109	0.109					
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)																	
	CORRUGATED ALUM. ALLOY PIPE (LS or R)																	
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																	
	STR. PLATE ALUMINUM ALLOY PLATE (C)																	
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)																	
STR. PLATE STEEL PIPE (C)																		
STR. PLATE STEEL PIPE W/ CFP (C)																		

**LEGEND**  
 RCP- Reinforced Concrete Pipe  
 RCHP- Reinforced Concrete Horizontal Elliptical Pipe  
 PE- Polyethylene  
 DR- Dimension Ratio  
 PVC- Polyvinyl Chloride  
 BIT- Bituminous  
 CORR- Corrugation  
 BPI- Bituminous Paved Invert  
 ALUM- Aluminum Paved Invert  
 STR- Structural  
 CFP- Concrete Field Paving  
 CIR- Circular Pipe  
 DEF- Deformed Pipe  
 (S)- Smooth Pipe Material  
 (C)- Corrugated Pipe Material  
 OK- Acceptable for Use  
 (LS)- Lock Seam Pipe Required

\*- Refer to Standard Drawings 715-PHCL-18 and -19 for nominal diameter appropriate for pay item diameter.  
 \*\*- Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.



RECOMMENDED FOR APPROVAL *RAR* 4-14-15  
 DESIGN ENGINEER DATE  
 DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PIPE MATERIAL TABLE

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK ELECTRONIC CONTRACT	SHEETS 87 of 158 PROJECT 0710(980)

		STRUCTURE NUMBER																					
		55	56	57	58	59	60	61	62	63	64	65	67	68	69	70	71	72	73	74	75	76	77
PIPE TYPE / SHAPE		Ductile Iron	Ductile Iron	Ductile Iron	2	Ductile Iron	Ductile Iron	Ductile Iron	2	2	2	2	Ductile Iron	2	2	2	Ductile Iron	Ductile Iron	Ductile Iron		Ductile Iron	2	2
SMOOTH PIPE SIZE		18	12	12	12	12	12	12	12	12	12	12	12	30	30	30		30			12	30	12
CORRUGATED PIPE SIZE																							
RCP/RCHEP (S)					II				II	II	II	II		II	II	II						II	II
CLASS					1000				1000	1000	1000	1000		1000	1000	1000						1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																							
CORRUGATED PE PIPE, TYPE S (S)*																							
RIBBED PE PIPE (S)*																							
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR					26.00				26.00	26.00	26.00	26.00		26.00	26.00	26.00						26.00	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 (LS or R)																						
	CORR. PROFILE THICKNESS																						
	ZINC COATED (C)																						
	CORR. PROFILE THICKNESS																						
	ZINC COATED W/ BPI (C)																						
	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 (C)																						
	CORR. PROFILE THICKNESS																						
	ALUM. COATED TYPE 2 W/ BPI (C)																						
	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED (LS or R)																						
	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED W/ BPI (C)																						
	CORR. PROFILE THICKNESS																						
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)																						
	CORR. PROFILE THICKNESS																						
	FIBER BONDED BITUMINOUS COATED (C)																						
	CORR. PROFILE THICKNESS																						
FIBER BONDED BITUMINOUS COATED W/ BPI (C)																							
CORR. PROFILE THICKNESS																							
CORRUGATED ALUM. ALLOY PIPE (LS or R)																							
CORR. PROFILE THICKNESS																							
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																							
CORR. PROFILE THICKNESS																							
STR. PLATE ALUMINUM ALLOY PLATE (C)																							
CORR. PROFILE THICKNESS																							
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)																							
CORR. PROFILE THICKNESS																							
STR. PLATE STEEL PIPE (C)																							
CORR. PROFILE THICKNESS **																							
STR. PLATE STEEL PIPE W/ CFP (C)																							
CORR. PROFILE THICKNESS **																							

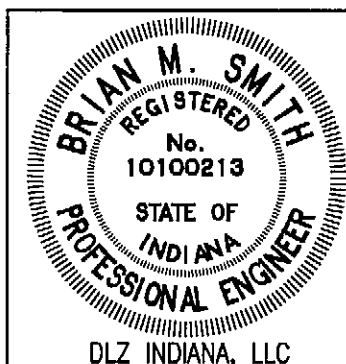
		STRUCTURE NUMBER																
		78	79	80	81	82	83	85	86	87	88	89	91	92	93	94	95	96
PIPE TYPE / SHAPE		2	Ductile Iron	2	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	2	2	2	2	2	2	2	2	2	Ductile Iron
SMOOTH PIPE SIZE		30	30	12	30	30	12	12	24	12	24	24	24	12	24	24	24	12
CORRUGATED PIPE SIZE																		
RCP/RCHEP (S)				II					II	II	II	II	II	II	II	II	II	
CLASS				1000					1000	1000	1000	1000	1000	1000	1000	1000	1000	
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																		
CORRUGATED PE PIPE, TYPE S (S)*																		
RIBBED PE PIPE (S)*																		
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		26.00		26.00					26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	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 (LS or R)																	
	CORR. PROFILE THICKNESS	2.67 X 0.5																
	ZINC COATED (C)																	
	CORR. PROFILE THICKNESS	0.138																
	ZINC COATED W/ BPI (C)																	
	CORR. PROFILE THICKNESS																	
	ALUM. COATED TYPE 2 (C)																	
	CORR. PROFILE THICKNESS																	
	ALUM. COATED TYPE 2 W/ BPI (C)																	
	CORR. PROFILE THICKNESS																	
	POLYMER PRECOATED GALVANIZED (LS or R)																	
	CORR. PROFILE THICKNESS																	
	POLYMER PRECOATED GALVANIZED W/ BPI (C)																	
	CORR. PROFILE THICKNESS																	
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)																	
	CORR. PROFILE THICKNESS	2.67 X 0.5																
	FIBER BONDED BITUMINOUS COATED (C)	0.109																
	CORR. PROFILE THICKNESS																	
FIBER BONDED BITUMINOUS COATED W/ BPI (C)																		
CORR. PROFILE THICKNESS																		
CORRUGATED ALUM. ALLOY PIPE (LS or R)																		
CORR. PROFILE THICKNESS																		
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)																		
CORR. PROFILE THICKNESS																		
STR. PLATE ALUMINUM ALLOY PLATE (C)																		
CORR. PROFILE THICKNESS																		
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)																		
CORR. PROFILE THICKNESS																		
STR. PLATE STEEL PIPE (C)																		
CORR. PROFILE THICKNESS **																		
STR. PLATE STEEL PIPE W/ CFP (C)																		
CORR. PROFILE THICKNESS **																		

**LEGEND**

RCP- Reinforced Concrete Pipe  
 RCHEP- Reinforced Concrete Horizontal Elliptical Pipe  
 PE- Polyethylene  
 DR- Dimension Ratio  
 PVC- Polyvinyl Chloride  
 BIT- Bituminous  
 CORR- Corrugation  
 BPI- Bituminous Paved Invert  
 ALUM- Aluminum  
 STR- Structural  
 CFP- Concrete Field Paving  
 CIR- Circular Pipe  
 DEF- Deformed Pipe  
 (S)- Smooth Pipe Material  
 (C)- Corrugated Pipe Material  
 OK- Acceptable for Use  
 (LS)- Lock Seam Pipe Required

\*- Refer to Standard Drawings 715-PHCL-18 and -19 for nominal diameter appropriate for pay item diameter.

\*\* - Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.



RECOMMENDED FOR APPROVAL: *RmR* 4-14-15  
 DESIGN ENGINEER DATE

DESIGNED: BBL DRAWN: DPH  
 CHECKED: PDF CHECKED: BBL

INDIANA DEPARTMENT OF TRANSPORTATION  
 PIPE MATERIAL TABLE

HORIZONTAL SCALE	N/A
VERTICAL SCALE	DESIGNATION 0710980
SURVEY BOOK	SHEETS 88 of 158
ELECTRONIC CONTRACT	PROJECT R-31710 0710(980)



Date: Apr 14, 2015, 2:54:41 PM User: ID: e431mrf  
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		STRUCTURE NUMBER																			
		98	99	100	101	102	103	104	105	106	107	109	110	111	112	113	114	115	116	117	118
PIPE TYPE / SHAPE		Ductile Iron	2	2	2	2	2	2	2	2	2	2	2	2	2	Ductile Iron	Ductile Iron	Ductile Iron	2	2	2
SMOOTH PIPE SIZE		12	24	24	24	12	24	24	24	24	12	24	24	18	12	12	12	12	12	12	12
CORRUGATED PIPE SIZE																					
RCP/RCHP (S)			II	II	II	II	II	II	II	II	II	II	II	II	II				II	II	II
D <sub>0.01</sub> RATING			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•
CORRUGATED PE PIPE, TYPE S (S)*			•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•
RIBBED PE PIPE (S)*			•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR			26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00				26.00	26.00	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 (LS or R)	CORR. PROFILE THICKNESS																			
	ZINC COATED (C)	CORR. PROFILE THICKNESS																			
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																			
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED (LS or R)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE THICKNESS	2.67 X 0.5	2.67 X 0.5	2.67 X 0.5		2.67 X 0.5	2.67 X 0.5	2.67 X 0.5	2.67 X 0.5		2.67 X 0.5	2.67 X 0.5	2.67 X 0.5							
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS																			
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	CORRUGATED ALUM. ALLOY PIPE (LS or R)	CORR. PROFILE THICKNESS																			
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **																			
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **																			


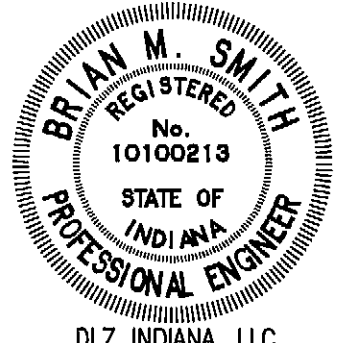
		STRUCTURE NUMBER																			
PIPE TYPE / SHAPE																					
SMOOTH PIPE SIZE																					
CORRUGATED PIPE SIZE																					
RCP/RCHP (S)																					
D <sub>0.01</sub> RATING																					
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																					
CORRUGATED PE PIPE, TYPE S (S)*																					
RIBBED PE PIPE (S)*																					
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR																					
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 (LS or R)	CORR. PROFILE THICKNESS																			
	ZINC COATED (C)	CORR. PROFILE THICKNESS																			
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																			
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED (LS or R)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE THICKNESS																			
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS																			
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE THICKNESS																			
	CORRUGATED ALUM. ALLOY PIPE (LS or R)	CORR. PROFILE THICKNESS																			
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE THICKNESS																			
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **																			
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **																			

**LEGEND**

RCP- Reinforced Concrete Pipe  
 RCHP- Reinforced Concrete Horizontal Elliptical Pipe  
 PE- Polyethylene  
 DR- Dimension Ratio  
 PVC- Polyvinyl Chloride  
 BIT- Bituminous  
 CORR- Corrugation  
 BPI- Bituminous Paved Invert  
 ALUM- Aluminum  
 STR- Structural  
 CFP- Concrete Field Paving  
 CIR- Circular Pipe  
 DEF- Deformed Pipe  
 (S)- Smooth Pipe Material  
 (C)- Corrugated Pipe Material  
 OK- Acceptable for Use  
 (LS)- Lock Seam Pipe Required

\*- Refer to Standard Drawings 715-PHCL-18 and -19 for nominal diameter appropriate for pay item diameter.

\*\* - Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.

		RECOMMENDED FOR APPROVAL: <i>RMS</i> 4-14-15 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION  PIPE MATERIAL TABLE	HORIZONTAL SCALE N/A	DESIGNATION 0710980
		DESIGNED: BBL DRAWN: DPH CHECKED: PDF CHECKED: BBL		SURVEY BOOK ELECTRONIC CONTRACT R-31710	SHEETS 89 of 158 PROJECT 0710(980)