CONTRACT	PROJECT	DESIGNATION	DESCRIPTION
R-32947	0900002	0900002	HAPPY HOLLOW ROAD
		1382200	HAPPY HOLLOW ROAD & RIVER ROAD INTERSECTION

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

HAPPY HOLLOW ROAD

PROJECT NO. 0900002 P.E.

PROJECT NO. 0900002/1382200 R/W

PROJECT NO. 0900002/1382200 CONST.

GROSS LENGTH: 1.38 Miles
NET LENGTH: 1.38 Miles
MAXIMUM GRADES: 7.88%

Reconstruction of Happy Hollow Road (SR 443) from River Road (SR 43) to Soldiers Home Road, and the Intersection of Happy Hollow Road and River Road in West Lafayette, Tippecanoe County, Indiana Sections 17 & 8, T23N, R4W

Latitude: 40°26'38" N
Longitude: 86°53'59" W

TRAFFIC DATA	HAPPY HOLLOW ROAD
A.A.D.T. (2010)	8,189 V.P.D.
A.A.D.T. (2034)	10,189 V.P.D.
D.H.V. (2034)	480 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	3% D.H.V.
DESIGN DATA	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	ARTERIAL
RURAL/URBAN	URBAN
TERRAIN	ROLLING
ACCESS CONTROL	NONE

TRAFFIC DATA	RIVER ROAD
A.A.D.T. (2010)	6440 V.P.D.
A.A.D.T. (2034)	6596 V.P.D.
D.H.V. (2034)	974 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	3% D.H.V.
DESIGN DATA	
DESIGN SPEED	40 M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	ARTERIAL
RURAL/URBAN	URBAN
TERRAIN	ROLLING
ACCESS CONTROL	NONE

Scale: 1" = 20,000'

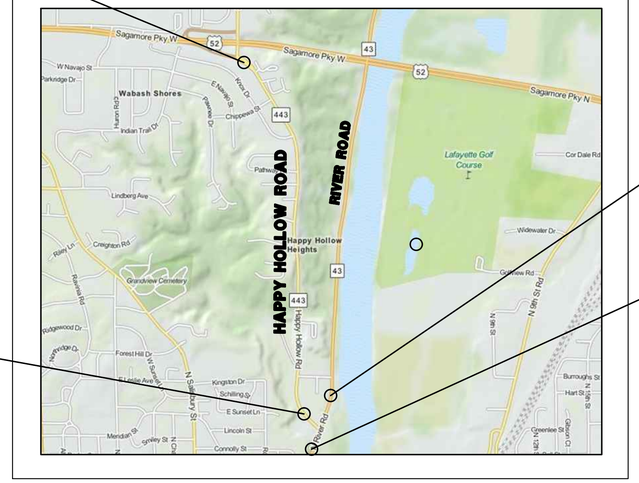
PROJECT LOCATION SHOWN BY

END PROJECT (0900002)
Sta. 78+85.81 Line "C-PR"

END PROJECT (1382200)
Sta. 54+19.44 Line "PR-A"

BEGIN PROJECT (1382200)
Sta. 49+95.98 Line "PR-A"

BEGIN PROJECT (0900002)
END PROJECT (1382200)
Sta. 11+75.00 Line "C-PR"



LOCATION MAP
TIPPECANOE COUNTY

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

UNITED Consulting
1625 N. Post Road
Indianapolis, Indiana 46219
Phone: 317-895-2585
Fax: 317-895-2596 Web: www.ucindy.com

PLANS
PREPARED BY: *UNITED CONSULTING* *317-895-2585*
PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED
FOR LETTING: _____
INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	
DESIGNATION	
0900002/1382200	
SHEETS	
01 of *174*	
CONTRACT	PROJECT
R-32947	*0900002/1382200*

R-32947

File Name: P:\C30\10-401\Road\Dwg\Plans\Title.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

UTILITIES

GAS:	VECTREN – LAFFAYETTE 1 NORTH MAIN STREET EVANSVILLE, IN 47702 (812) 491-4765	COMMUNICATIONS FIBER OPTIC:	QWEST COMMUNICATIONS 1801 CALIFORNIA STREET, 26TH FLOOR DENVER, CO 80202 (303) 992-9931
TELEPHONE:	FRONTIER NORTH, INC. 8001 W. JEFFERSON BOULEVARD FORT WAYNE, IN 46804 (260) 461-3324	ELECTRIC:	DUKE ENERGY 1619 WEST DEFFENBAUGH STREET KOKOMO, IN 46902 (317) 776-5341
WATER:	INDIANA AMERICAN WATER-WEST LAFAYETTE 1007 HAPPY HOLLOW ROAD WEST LAFAYETTE, IN 47906 (317) 807-2462	SANITARY AND STORM SEWER:	CITY OF WEST LAFAYETTE 500 SOUTH RIVER ROAD WEST LAFAYETTE, IN 47906 (765) 775-5145
CABLE TV:	COMCAST CABLEVISION OF FORT WAYNE 720 TAYLOR STREET FORT WAYNE, IN 46802 (260) 458-5107		

REVISIONS

SHEET NO.	DATE	REVISION

R/W INDEX

SHEET NO.	REVISION

GENERAL NOTES

**	All earth shoulders, median areas, cut and fill slopes shall be plain or mulched seeded except where sodding is specified.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside construction limits, between Sta. _____ and Sta. _____, shall be removed as directed.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3-5	TYPICAL CROSS SECTIONS
6-8	PLAT NO. 1
9-13	GEOMETRIC TIE-IN DETAILS
14-15	ROUTE DETOUR
16-18	MOT PHASE I
19-22	MOT PHASE II
23-25	MOT PHASE IIIA
26-28	MOT PHASE IIIB
29-31	MOT PHASE IV
32-34	MOT PHASE V
35-48	MOT PHASE VI
49-62	MOT PHASE VII
63-72	PLAN & PROFILES
73-74	PLAN & PROFILES – MULTI USE TRAIL
75-76	SUPERELEVATION
77-91	CONSTRUCTION DETAILS
92-104	DRAINAGE DETAILS
105	STRUCTURE 1 DETAIL
106-119	EROSION CONTROL DETAILS
120-123	WALL DETAILS
124-137	EXISTING SIGN DETAILS
138-139	EXISTING SIGN TABLE
140-153	PROPOSED SIGN DETAILS & PAVEMENT MARKINGS
154	PROPOSED SIGNS SHOP DRAWINGS
155-159	PROPOSED SIGN TABLE
160	MISCELLANEOUS TABLES
161	APPROACH TABLE
162-167	UNDERDRAIN TABLES
168	GUARDRAIL SUMMARY TABLE
169-172	STRUCTURE DATA TABLES
173-174	PIPE MATERIAL TABLES
1-33	CROSS SECTIONS, LINE "C-PR"
34-38	CROSS SECTIONS, LINE "C-PR"
39-51	CROSS SECTIONS, LINE "C-PR" DRIVES

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BWS | DRAWN: MAC

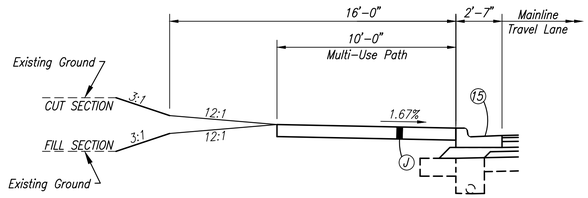
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

INDEX AND GENERAL NOTES

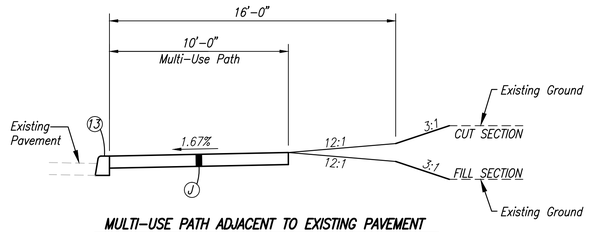
HORIZONTAL SCALE	BRIDGE FILE
NONE	–
VERTICAL SCALE	DESIGNATION
NONE	0900002
SURVEY BOOK	SHEETS
–	02 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Index.dwg Plot Date: 12/16/2013 Plotted By: Zale, David



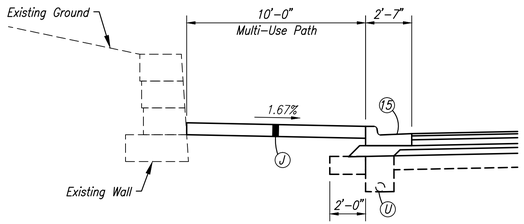
MULTI-USE PATH ADJACENT TO CURB & GUTTER

Sta. 69+35.25 to Sta. 73+16.92 "C-PR" Lt.
Sta. 69+28.00 to Sta. 75+85.81 "C-PR" Rt.



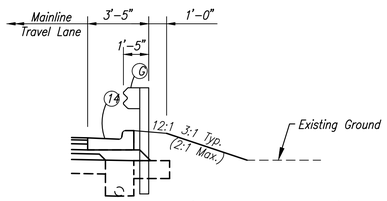
MULTI-USE PATH ADJACENT TO EXISTING PAVEMENT

Sta. 75+85.81 to SR 52 Bridge Tie-In - Rt.



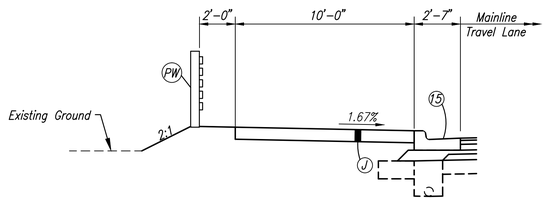
MULTI-USE PATH ADJACENT TO EXISTING BLOCK WALL

Sta. 10+08.16 to Sta. 11+87.07 Lt.



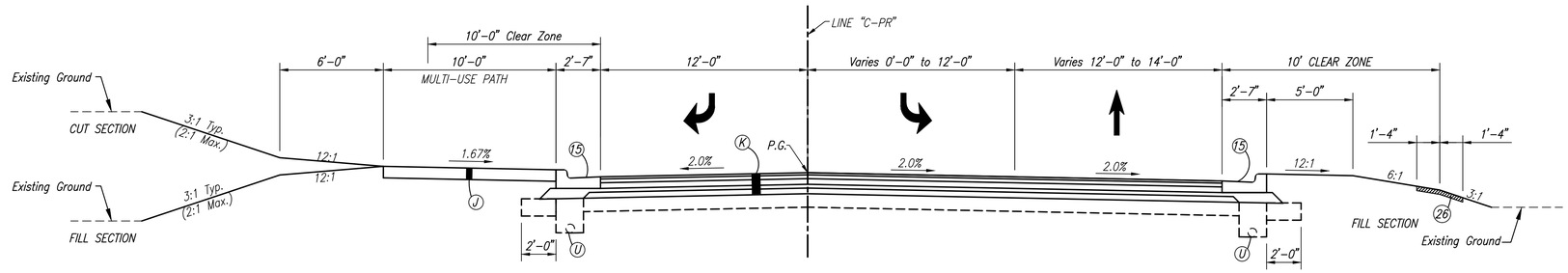
GUARDRAIL BEHIND CURB (NO SIDEWALK OR PATH)

Sta. 17+66.78 to Sta. 20+29.28 "C-PR" Rt.
Sta. 23+20.92 to Sta. 25+83.42 "C-PR" Rt.
Sta. 30+18.75 to Sta. 32+74.84 "C-PR" Rt.
Sta. 35+53.41 to Sta. 36+97.39 "C-PR" Rt.
Sta. 38+42.32 to Sta. 42+54.82 "C-PR" Rt.
Sta. 43+00.05 to Sta. 44+10.40 "C-PR" Rt.
Sta. 46+60.89 to Sta. 49+80.41 "C-PR" Rt.
Sta. 54+74.58 to Sta. 56+29.51 "C-PR" Rt.
Sta. 56+63.30 to Sta. 59+58.84 "C-PR" Rt.



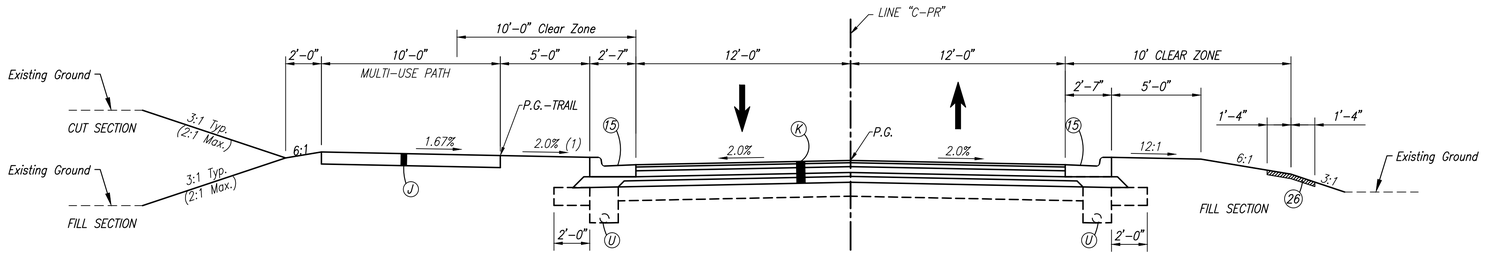
MULTI-USE PATH ADJACENT TO CURB & GUTTER WITH PEDESTRIAN RAIL

Sta. 19+14.58 to Sta. 20+60.00



HAPPY HOLLOW ROAD, LINE "C-PR"

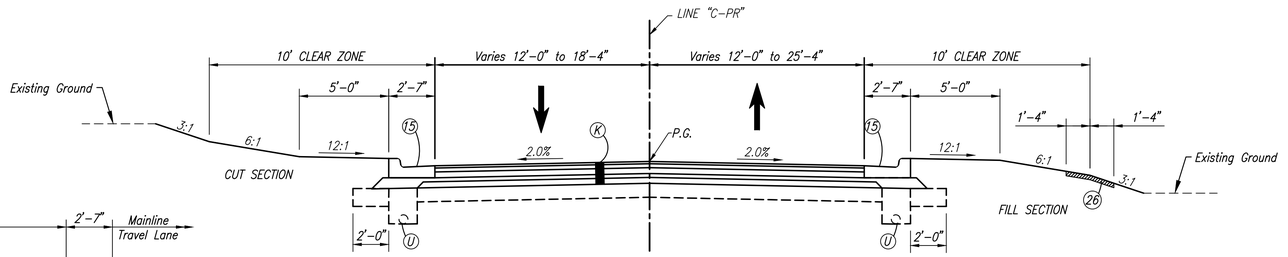
Sta. 10+04.99 to Sta. 12+37.36



HAPPY HOLLOW ROAD, LINE "C-PR"

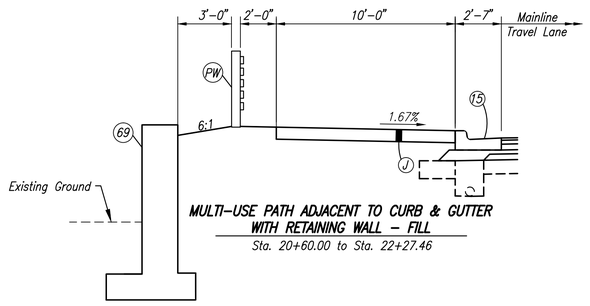
Sta. 12+37.36 to Sta. 13+10.60
Sta. 22+27.46 to Sta. 64+25.40

(1) 2% Typical where roadway grade ≤ 5.0%
Varies from 6:1 down to 6:1 up per
trail profile where roadway grade > 5.0%



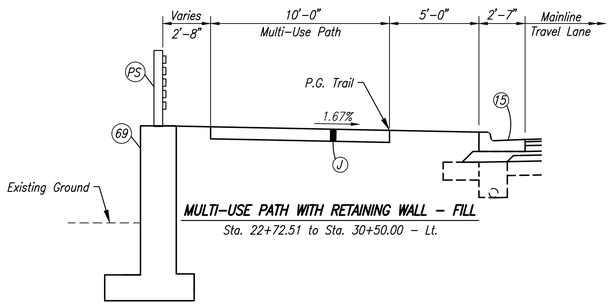
HAPPY HOLLOW ROAD, LINE "C-PR"

Sta. 13+10.60 to Sta. 19+14.58
Sta. 73+16.92 to Sta. 75+85.81



MULTI-USE PATH ADJACENT TO CURB & GUTTER WITH RETAINING WALL - FILL

Sta. 20+60.00 to Sta. 22+27.46



MULTI-USE PATH WITH RETAINING WALL - FILL

Sta. 22+72.51 to Sta. 30+50.00 - Lt.

LEGEND

- (K) 165#/sys QC/QA-HMA, 2, 64, Surface 9.5mm, on 275#/sys QC/QA-HMA, 2, 64, Intermediate 19.0mm, on 660# sys QC/QA-HMA, 2, 64, Base 19.0mm (2 lifts), on Subgrade Treatment, Type IA
- (J) HMA for Sidewalks, Type A 165#/sys HMA Surface, Type A, on 275#/sys HMA Intermediate, Type A, on 6" of Compacted Aggregate, No. 53, Base
- (G) W-Beam Guardrail
- (PS) Pedestrian Fence, Steel
- (PW) Pedestrian Fence, Wood
- (U) Underdrain
- (13) Curb, Concrete
- (14) Curb & Gutter, B, Concrete, Modified
- (15) Curb & Gutter, Concrete, Modified
- (26) Sodding
- (69) Retaining Wall, Fill

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Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

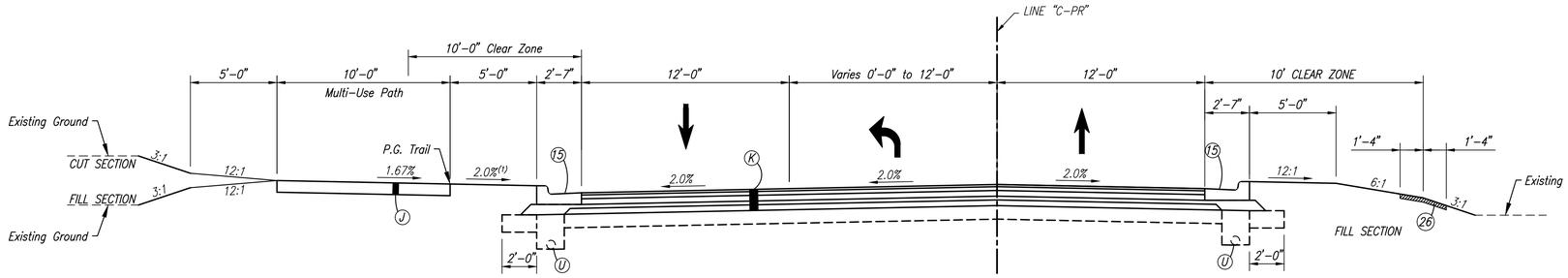
DESIGNED: BWS | DRAWN: DJZ | CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

TYPICAL CROSS SECTIONS
HAPPY HOLLOW ROAD

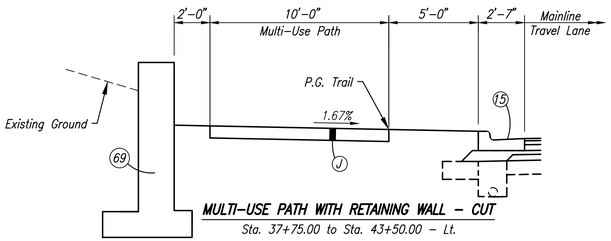
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	-
VERTICAL SCALE	DESIGNATION
3/16" = 1'-0"	0900002
SURVEY BOOK	SHEETS
-	03 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301\10-4011\Road\Dwg\Plans\TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zatz, David

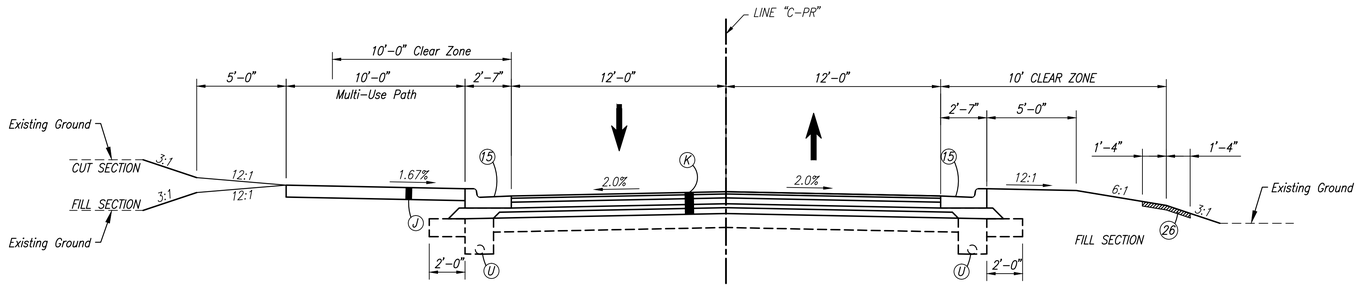


HAPPY HOLLOW ROAD, LINE "C-PR"
Sta. 64+25.40 to Sta. 71+65.97

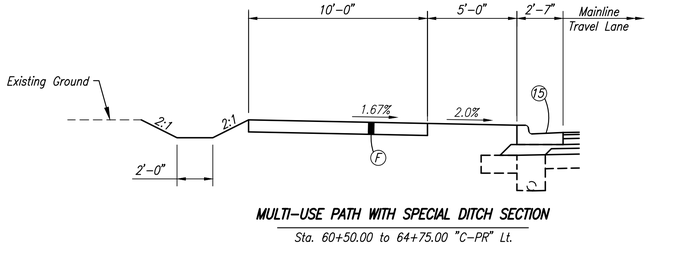
(1) 2% Typ where roadway grade ≤ 5.0%
Varies from 6:1 down to 6:1 up per trail profile where roadway grade > 5.0%



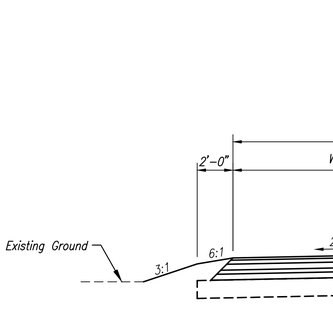
MULTI-USE PATH WITH RETAINING WALL - CUT
Sta. 37+75.00 to Sta. 43+50.00 - Lt.



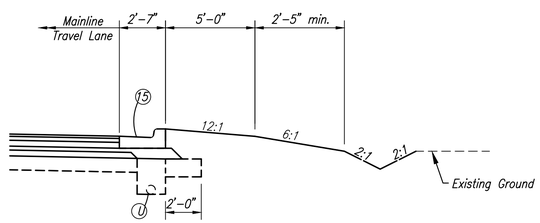
HAPPY HOLLOW ROAD, LINE "C-PR"
Sta. 19+14.58 to Sta. 22+27.46
Sta. 71+65.97 to Sta. 73+16.92



MULTI-USE PATH WITH SPECIAL DITCH SECTION
Sta. 60+50.00 to 64+75.00 "C-PR" Lt.



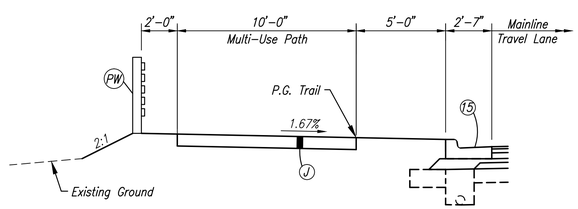
TYPICAL SECTION FOR "S" LINES



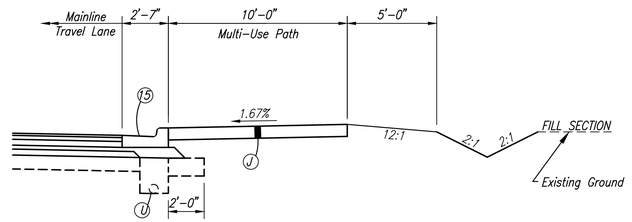
SPECIAL DITCH SECTION
Sta. 62+50.00to Sta. 68+60.00 "C-PR" Rt.

LEGEND

- (D) HMA for Approaches, Type B
  165#/sys HMA Surface, Type B, on
  275#/sys HMA Intermediate, Type B, on
  660# sys HMA Base, Type B (2 lifts), on
  Subgrade Treatment, Type IIIA
- (K) 165#/sys QC/QA-HMA, 2, 64, Surface 9.5mm, on
  275#/sys QC/QA-HMA, 2, 64, Intermediate 19.0mm, on
  660# sys QC/QA-HMA, 2, 64, Base 19.0mm (2 lifts), on
  Subgrade Treatment, Type IA
- (J) HMA for Sidewalks, Type A
  165#/sys HMA Surface, Type A, on
  275#/sys HMA Intermediate, Type A, on
  6" of Compacted Aggregate, No. 53, Base
- (G) W-Beam Guardrail
- (PW) Pedestrian Fence, Wood
- (U) Underdrain
- (13) Curb, Concrete
- (14) Curb & Gutter, B, Concrete, Modified
- (15) Curb & Gutter, Concrete, Modified
- (26) Sodding



MULTI-USE PATH WITH PEDESTRIAN RAIL
Sta. 37+75.00 to Sta. 43+50.00 - Lt.



MULTI-USE PATH ADJACENT TO CURB & GUTTER WITH SPECIAL DITCH SECTION
Sta. 68+60.00 to Sta. 69+28.00 "C-PR" Rt.

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

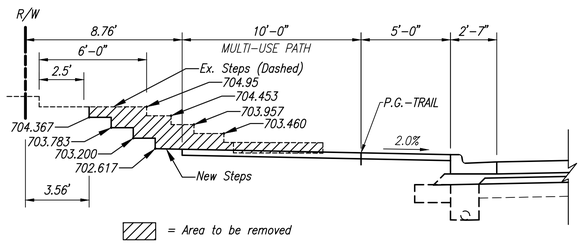
DESIGNED: BWS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

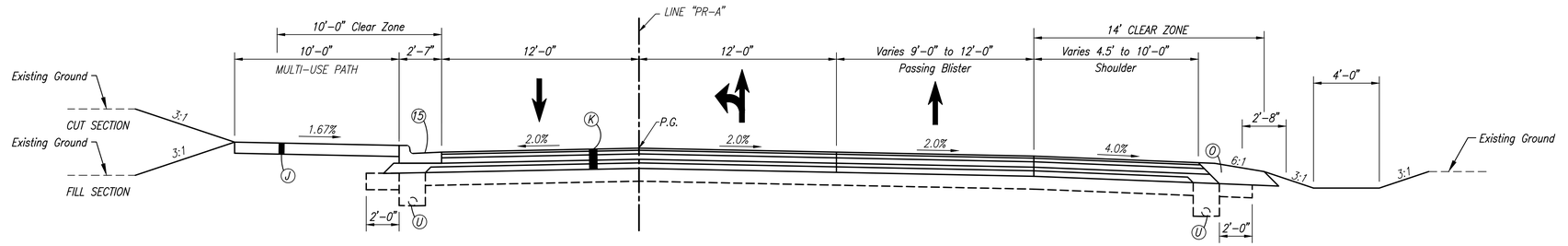
TYPICAL SECTIONS
HAPPY HOLLOW ROAD

HORIZONTAL SCALE	BRIDGE FILE
3/16" = 1'-0"	-
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
-	04 of 174
CONTRACT	PROJECT
R-32947	1382200

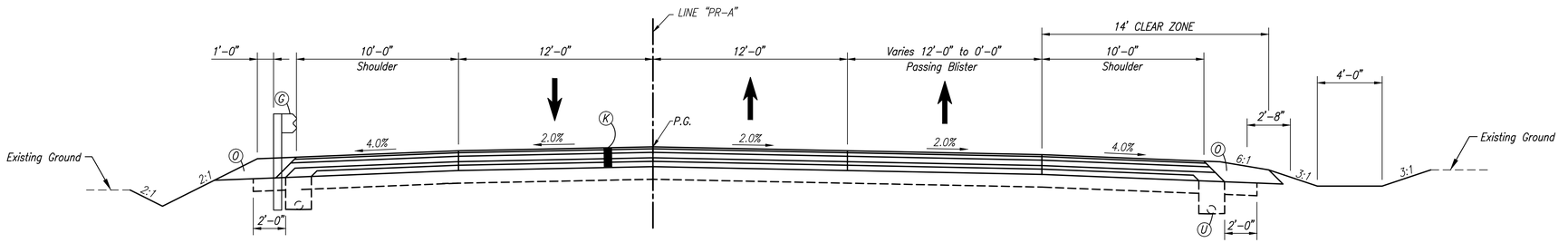
File Name: P:\C3D\10-401\Road\Dwg\Plates\TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zale, David



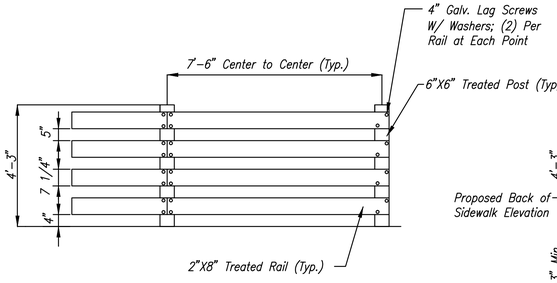
STEP PROFILE DETAIL A-A
Sta. 48+20.40

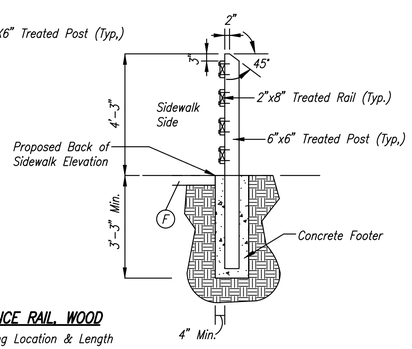


RIVER ROAD, LINE "PR-A"
Sta. 49+95.98 to 52+54.13

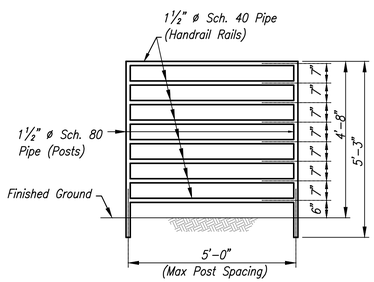


RIVER ROAD 43, LINE "PR-A"
Sta. 52+54.13 to 54+19.44

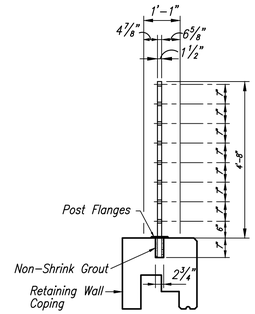


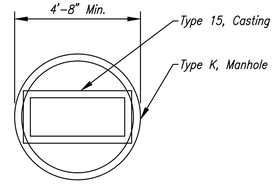


PEDESTRIAN FENCE RAIL, WOOD
NOTE: See Plans for Railing Location & Length



PEDESTRIAN FENCE RAIL, STEEL
NOTE: See Plans for Railing Location & Length



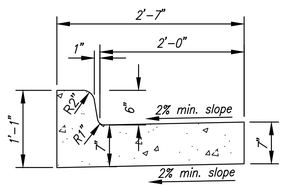


MANHOLE K-15, MODIFIED

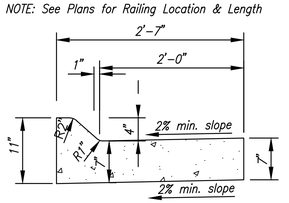
PLAN VIEW
Not to Scale

LEGEND

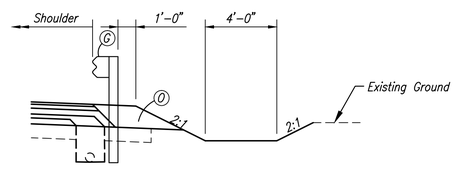
- (K) 165#/sys QC/QA-HMA, 2, 64, Surface 9.5mm, on 275#/sys QC/QA-HMA, 2, 64, Intermediate 19.0mm, on 660# sys QC/QA-HMA, 2, 64, Base 19.0mm (2 lifts), on Subgrade Treatment, Type IA
- (J) HMA for Sidewalks, Type A 165#/sys HMA Surface, Type A, on 275#/sys HMA Intermediate, Type A, on 6" of Compacted Aggregate, No. 53, Base
- (G) W-Beam Guardrail
- (PS) Pedestrian Fence, Steel
- (PW) Pedestrian Fence, Wood
- (O) Compacted Aggregate, No. 53
- (U) Underdrain
- (13) Curb, Concrete
- (14) Curb & Gutter, B, Concrete, Modified
- (15) Curb & Gutter, Concrete, Modified
- (26) Sodding
- (69) Retaining Wall, Fill



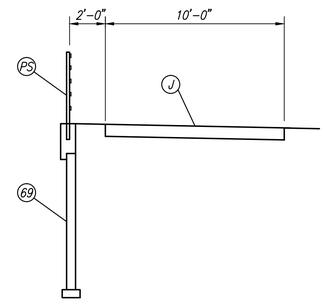
CURB AND GUTTER, CONCRETE, MODIFIED



CURB AND GUTTER, B, CONCRETE, MODIFIED



GUARDRAIL WITH 4' FLAT BOTTOM DITCH
Sta. 53+47.60 to Sta. 54+19.44



MULTI-USE PATH WITH RETAINING WALL

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Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

TYPICAL SECTIONS RIVER ROAD & MISC. DETAILS

HORIZONTAL SCALE	BRIDGE FILE
3/16" = 1'-0"	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	05 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301\10-4011\Road\Dwg\Plans\TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zelz, David

OWNER INFO

1 – INDIANA–AMERICAN WATER COMPANY, INC.
WARRANTY DEED
INST. #00–7150

2 – ZERO 7, L.L.C.
CORPORATE DEED
INST. #05–10543

3 – ERIK J. & ANGELA B. HALVORSON
WARRANTY DEED
INST. #07–9501

4 – ZERO 7, L.L.C.
CORPORATE DEED
INST. #05–10543

5 – DAMIAN J. & ALISON ALLEN
COMPANY WARRANTY DEED
INST. #200909005919

6 – YI–JEN LEE & JIU–KANG YU
COMPANY WARRANTY DEED
INST. #201010001257

7 – ZERO 7, L.L.C.
CORPORATE DEED
INST. #05–17222

8 – CRAIG L. & SUSAN L. WARDRIP
WARRANTY DEED
INST. #07–10354

9 – C. DAVID BRIDGES & VICKI L. BURCH
QUITCLAIM DEED
INST. #92–3374

10 – JOHN J. O'BRIEN & ELLEN GRUENBAUM
WARRANTY DEED
INST. #200808014312

11 – RODRIGO SALGADO & MONICA PREZZI
TRUSTEE'S DEED
INST. #04–8362

LEGEND

■ – CONCRETE RIGHT–OF–WAY MARKER
● ○ ◉ – MONUMENT FOUND (SEE DESCRIPTION)
——— ——— – APPARENT PROPERTY LINE
——— ——— – LOT LINE
— — — — – EASEMENT LINE
— — — — – SECTION LINE
NVA ——— – NO VEHICULAR ACCESS
T.C.S. – TIPPECANOE COUNTY SURVEYOR
U.E. – UTILITY EASEMENT
D.&U.E. – DRAINAGE & UTILITY EASEMENT
I.E.E. – INGRESS/EGRESS EASEMENT
S.E. – SEWER EASEMENT
L.D.&U.E. – LANDSCAPE, DRAINAGE, & UTILITY EASEMENT

0 50 100 200
GRID NORTH
1" = 100'

Section 17, T23N, R4W
Wabash Township
Tippecanoe County, IN

Begin Project (0900002)
End Project (1382200)
Sta. 11+75.00 "C–PR"

RIVERSIDE HEIGHTS SUBDIVISION
P.B. 3, PG. 30

TAYLOR–FONDREN SUBDIVISION
P.C. A, SLIDE A–172

LINCOLN STREET (UNOPENED)

PC Sta. 13+02.55 Line "C–PR"

(+59.89 "C")
N 89°41'58" W

APPROXIMATE LOCATION OF QTR.–QTR. SEC. LINE PER HIGHWAY PLANS

P. RAGHANDRA RAU & CHAPPAN KAUR WARRANTY DEED INST. #01–2032

THE WEST LAFAYETTE WATER WORKS COMPANY BK. 165, PG. 213

12' ESMT. FOR CABLE LINE

WL CORP.

UTILITY EASEMENT INST. #89–13610

Temp. R/W for Drive Constr.

Exist R/W

47+00 RIVER ROAD (S.R. 43)

50+00

55' R/W

Begin Project (1382200)
Sta. 49+95.98 Line "PR–A"

CITY OF WEST LAFAYETTE & WEST LAFAYETTE BOARD OF PARK COMMISSIONERS SPECIAL WARRANTY DEED DEED RECORD #83–598

APPROXIMATE LOCATION OF QTR.–QTR. SEC. LINE PER HIGHWAY PLANS

Section 17, T23N, R4W
Wabash Township
Tippecanoe County, IN

(+93.41 "PRA")
N 89°41'58" W

CITY OF WEST LAFAYETTE
WARRANTY DEED
BK. 238, PG. 483

APPROXIMATE LOCATION OF THE NW. CORNER OF LOT "1" DEPICTED IN T.C.S. REC. BK. "B", PG. 332

PT Sta. 18+67.14 Line "C–PR"

Temp. R/W for Drive Constr.

AREA OF UNKNOWN TITLE

CITY OF WEST LAFAYETTE
QUITCLAIM DEED
BK. 286, PG. 106

15+00

20+00

HAPPY HOLLOW ROAD (S.R. 443)

25+00

30+00

35+00

Exist R/W

15' D.&U.E.

30' D.&U.E.

NVA

CATHERWOOD GARDENS PLANNED DEVELOPMENT, PHASE ONE
P.C. 11, PG. 286, INST. #05–7731

RICHARD L. & AARON D. SMITH WARRANTY DEED INST. #07–10355

CATHERWOOD DRIVE

CATHERWOOD COURT

CATHERWOOD GARDENS, PLANNED DEVELOPMENT, PHASE TWO
P.C. 11, PG. 292 INST. #05–15292

60+00

61+75

CITY OF WEST LAFAYETTE & WEST LAFAYETTE BOARD OF PARK COMMISSIONERS SPECIAL WARRANTY DEED INST. #05–18019

End Project (1382200)
Sta. 54+19.44 Line "PR–A"

Section 17, T23N, R4W
Wabash Township
Tippecanoe County, IN

CITY OF WEST LAFAYETTE
WARRANTY DEED
BK. 238, PG. 483

20' WATERLINE EASEMENT INST. #92–10029

CITY OF WEST LAFAYETTE
QUITCLAIM DEED
BK. 286, PG. 391

25+00

PC Sta. 34+32.58 Line "C–PR"

PI Sta. 32+95.28 Line "C–PR"

Exist R/W

PC Sta. 21+70.24 Line "C–PR"

C.A. & I.E.E. & D.&U.E. AREA (OUTSIDE OF TOWNHOME STRUCTURES)

ZERO 7, L.L.C.
CORPORATE DEED
INST. #05–17222

PT Sta. 25+95.88 Line "C–PR"

HUNTER NOBB HILL PROPERTIES, L.L.C.
CORPORATE WARRANTY DEED
INST. #200808011915

APPROXIMATE LOCATION OF THE NORTH LINE OF LOT "1" DEPICTED IN T.C.S. REC. BK. "B", PG. 332

10' S.E.

20' I.E.E. & D.&U.E. EASEMENT

25' I.E.E.

MARK M. CASTELL
WARRANTY DEED
INST. #06–13189

CHARDONNAY SUBDIVISION
P.C. C, SLIDE C–166, INST. #87–16039

MATCHLINE "A"
P.O.T. 27+50 "C"

MATCHLINE "A"
P.O.T. 27+50 "C"

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Phone 317-895-2585
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002/138220
SURVEY BOOK	SHEETS
–	06 of 174
CONTRACT	PROJECT
R–32947	0900002/1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\Plat 1.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

OWNER INFO

12 – RABINDRA N. & PHULLARA MUKERJEA
WARRANTY DEED
INST. #01-3099

13 – MARY A. WEBB
WARRANTY DEED
INST. #07-17186

14 – TERANI NADADOOR VIJAYKUMAR &
PRIYA KRISHNAN BHARADWAJ
WARRANTY DEED
INST. #04-15780

15 – THOMAS G. KING
WARRANTY DEED
INST. #95-0690

16 – BENJAMIN J. & JESSICA A. HINMAN
WARRANTY DEED
INST. #200808019039

17 – ROBERT T. WEBB, SUCCESSOR TRUSTEE
QUITCLAIM DEED
INST. #200808000743

18 – RAYMOND E. GRIERSON &
MARTHA M. GRIERSON, TRUSTEES
QUITCLAIM DEED
INST. #06-24632
(SUBJECT TO A LIFE ESTATE)

19 – KYLE OMHOLT & THOMAS OMHOLT
WARRANTY DEED
INST. #200808003892

20 – JOSHUA M. & PATRICIA A. KAPLAN
QUITCLAIM DEED
INST. #02-17375

21 – CHARLES T., JR. & MARY ANN DYE
WARRANTY DEED
BK. 243, PG. 279

22 – ROBERT A. MOLTER
WARRANTY DEED
INST. #05-27142

23 – CARL R. JR., & SARAH WASSGREN
WARRANTY DEED
INST. #98-31992

24 – LINDA K. HOUTZ
WARRANTY DEED
INST. #05-11146

25 – MARY T. CACCAVO & THOMAS J. KENT
QUITCLAIM DEED
INST. #98-5405

26 – HSIU PU & CHUNG KEE LEE
WARRANTY DEED
INST. #88-17379

27 – ANNE KOIVO
WARRANTY DEED
INST. #04-31069

28 – ANNE KOIVO
WARRANTY DEED
INST. #02-25430

29 – PHILLIP C. & DOROTHY R. WANKAT
WARRANTY DEED
INST. #84-3414

30 – RICKY V. ROSWARSKI & VIRGINIA T. MEYER
WARRANTY DEED
INST. #200808021040

31 – KAREN S. GRIGGS
WARRANTY DEED
INST. #200909017970

32 – RANDALL H. & JEANANNE FORGEY
WARRANTY DEED
INST. #05-29614

33 – CHARLES A. & JOAN E. WILLIAMS
GENERAL WARRANTY DEED
INST. #96-8116

34 – GAIL F. MELSON, TRUSTEE
WARRANTY DEED
INST. #200808012874

35 – JOSEPH N. UHL &
NATALIYA SEMCHYNSKA-UHL
QUITCLAIM DEED
INST. #05-19697

36 – JANET C. HEM
QUITCLAIM DEED
INST. #02-21837

37 – JOHN T. & MYRNA J. COWGER
WARRANTY DEED
BK. 243, PG. 68

38 – HOWARD D. &
CONSTANCE E. HENSLEY, TRUSTEES
WARRANTY DEED
INST. #92-11539

39 – GEORGE C. MARIA G. XIOUFARIDES
TRUSTEES' DEED
INST. #99-25555

40 – COVENANT PRESBYTERIAN CHURCH
OF WEST LAFAYETTE, INDIANA
CORPORATE QUITCLAIM DEED
INST. #200909007823

41 – LOUIE D. & HEE SUK MCALISTER
PERSONAL REPRESENTATIVE DEED
INST. #01-28811

42 – MAURICE P. LORD II & VICKI LORD
QUITCLAIM DEED
INST. #94-7258

43 – THE REVOCABLE LIVING TRUST
OF ANNETTE L. RODKEY
QUITCLAIM DEED
INST. #01-4122

44 – AYGEN E. & ELEANOR A. DOGAR
WARRANTY DEED
INST. #200909023042

45 – MEROU GROTTO, INC.
WARRANTY DEED
BK. 265, PG. 439

46 – EDWARD A. & KATHLEEN C. HOWELL
WARRANTY DEED
INST. #92-27097

47 – W. NICHOLAS & ELIZABETH H. DELGASS
WARRANTY DEED
INST. #99-260

48 – RIVER VALLEY, L.L.C.
WARRANTY DEED
INST. #98-11274

49 – RONALD G. ULRICH
WARRANTY DEED
INST. #88-08738

50 – THOMAS L. RYAN, TRUSTEE (1/2 INTEREST)
MARY B. RYAN, TRUSTEE (1/2 INTEREST)
WARRANTY DEED
INST. #04-28878

51 – HARSHVARDHAN & SUMAN HARSHVARDHAN
TRUSTEE'S DEED
INST. #01-32894

52 – KEN & MARGO BALDWIN
WARRANTY DEED
INST. #00-11626

53 – ROME E. NKOSI
WARRANTY DEED
INST. #06-8990

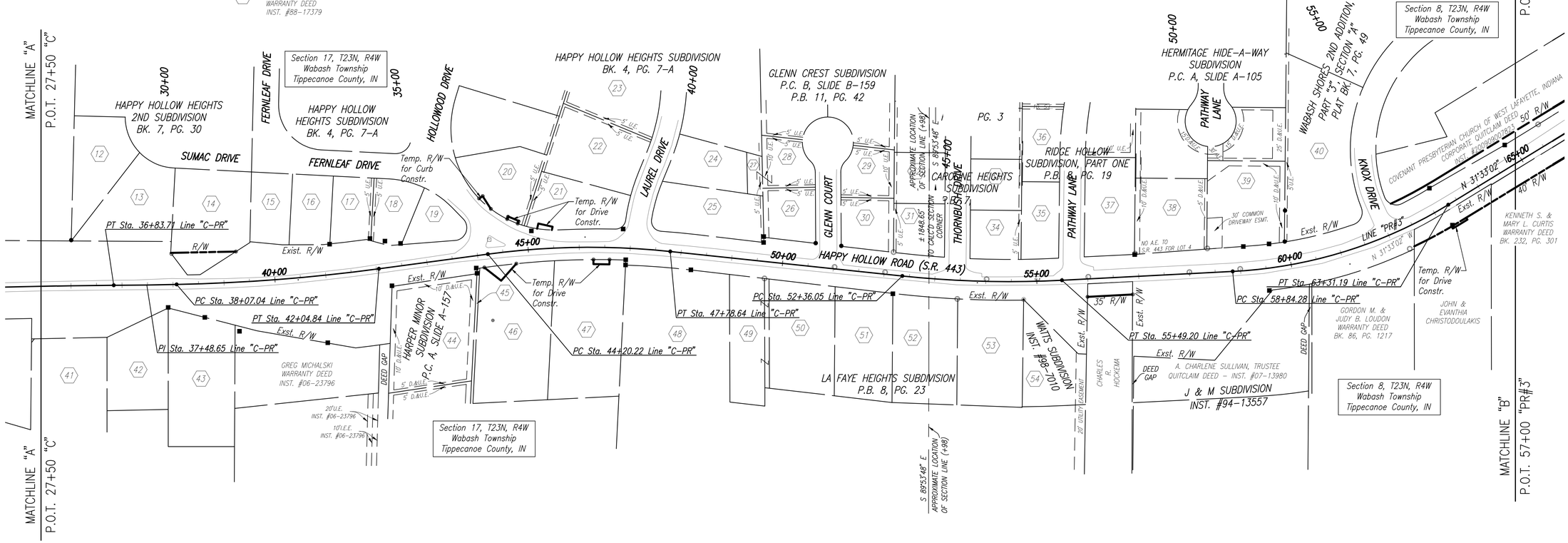
54 – MARIE ANNE SWOVERLAND
QUITCLAIM DEED
INST. #03-6510

LEGEND

■ – CONCRETE RIGHT-OF-WAY MARKER
● ○ ◉ – MONUMENT FOUND (SEE DESCRIPTION)
———— ———— – APPARENT PROPERTY LINE
———— ———— – LOT LINE
— — — — – EASEMENT LINE
— – — – — – SECTION LINE
A.E. – ACCESS EASEMENT
U.E. – UTILITY EASEMENT
D.&U.E. – DRAINAGE & UTILITY EASEMENT
I.E.E. – INGRESS/EGRESS EASEMENT
S.E. – SEWER EASEMENT

0 50 100 200

GRID NORTH
1" = 100'



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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

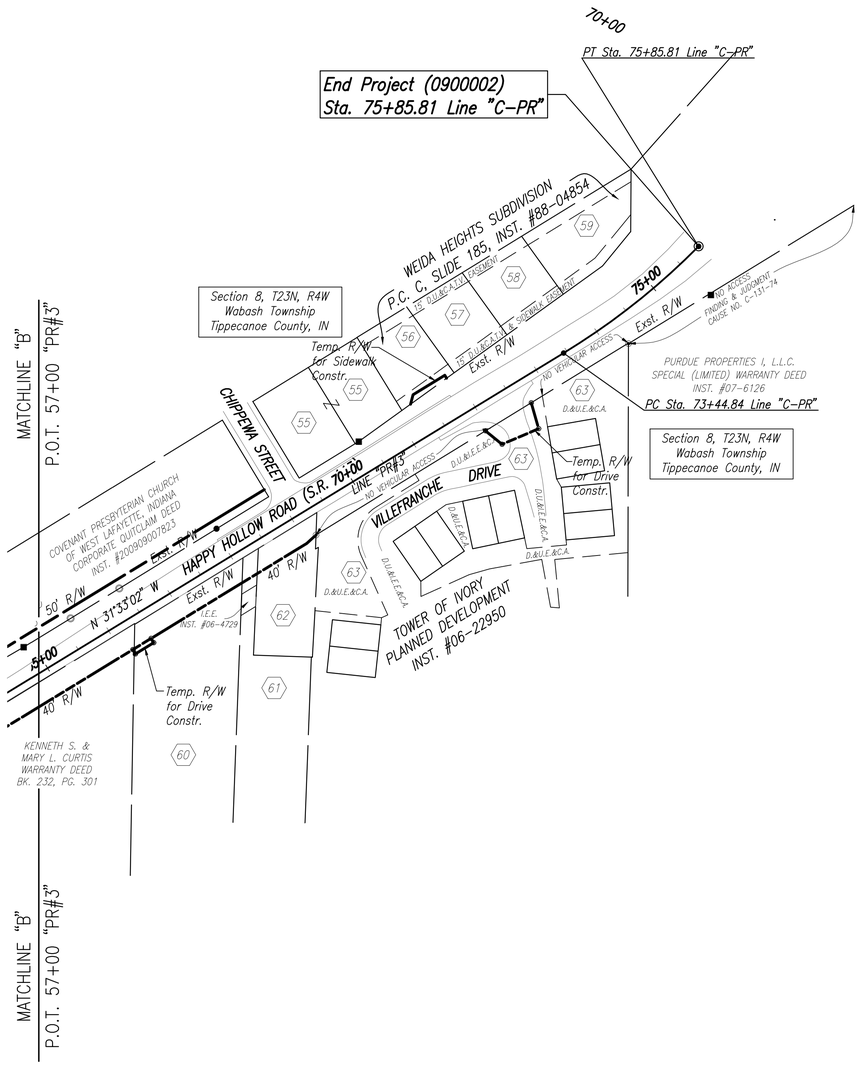
PLAT NO. 1

.

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	07 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C330\10-401\Road\Dwg\Plans\Plat 1.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



OWNER INFO

55 – RONALD A. & SHIRLEY E.F. SIOVAILA
WARRANTY DEED
INST. #96-19193

56 – DANIEL H. ST. JOHN
WARRANTY DEED
INST. #92-27988

57 – ERIC N. ERB
QUITCLAIM DEED
INST. #200909025751

58 – DIANE & RALPH B. JOHNSON
QUITCLAIM DEED
INST. #05-26877

59 – JERRY WEIDA II
WARRANTY DEED
INST. #93-25938

60 – WILLIAM M. WORK REVOCABLE TRUST (1/2 INTEREST)
MARY-FRANCES WORK REVOCABLE TRUST (1/2 INTEREST)
QUITCLAIM DEED
INST. #93-24222

61 – BRUCE E. CARPENTER
EXECUTRIX DEED
INST. #06-4729

62 – ELIZABETH K. COMBS, ET AL.

63 – TOWER OF IVORY PLANNED DEVELOPMENT
HOMEOWNERS ASSOCIATION, INC.
QUITCLAIM DEED
INST. #06-23293

LEGEND

- CONCRETE RIGHT-OF-WAY MARKER
- MONUMENT FOUND (SEE DESCRIPTION)
- APPARENT PROPERTY LINE
- EASEMENT LINE
- SECTION LINE
- U.E. – UTILITY EASEMENT
- D.E. – DRAINAGE EASEMENT
- D.&U.E. – DRAINAGE & UTILITY EASEMENT
- I.E.E. – INGRESS/EGRESS EASEMENT
- C.A. – COMMON AREA
- N.A. R/W – NO ACCESS RIGHT-OF-WAY
- L.A. R/W – LIMITED ACCESS RIGHT-OF-WAY

0 50 100 200

GRID NORTH
1" = 100'

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CHECKED: BJP | CHECKED: BJP

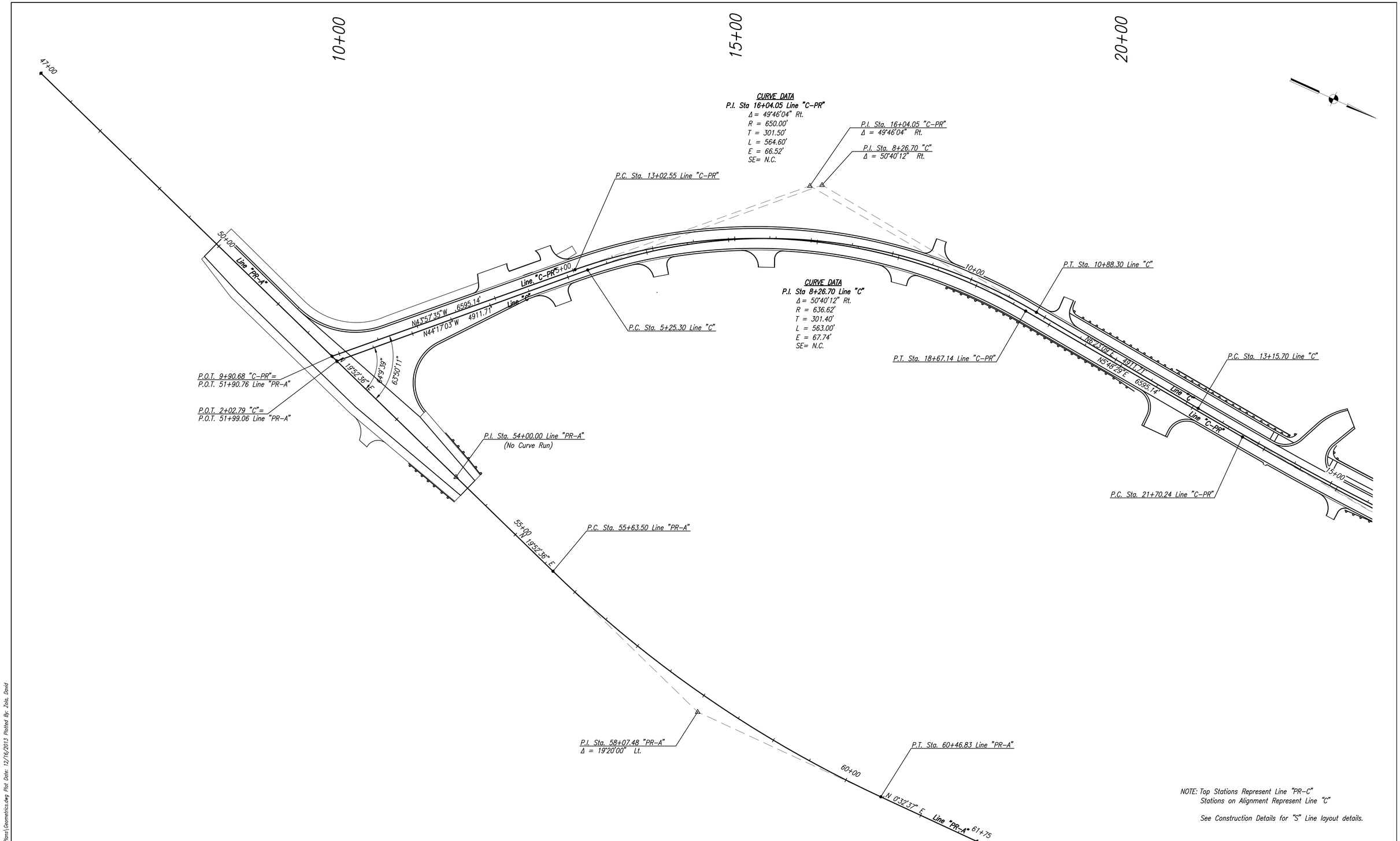
CITY OF WEST LAFAYETTE

PLAT NO. 1

.

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	08 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Plat 1.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: Top Stations Represent Line "PR-C"
Stations on Alignment Represent Line "C"

See Construction Details for "S" Line layout details.

File Name: P:\C3D\10-401\Road\Dwg\Plans\Geometrics.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE
DESIGNED: BWS	DRAWN: MAC
CHECKED: BJP	CHECKED: BJP

CITY OF WEST LAFAYETTE

GEOMETRIC DETAILS
Sta. 10+00.00 to Sta. 23+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	09 of 174
CONTRACT	PROJECT
R-32947	0900002

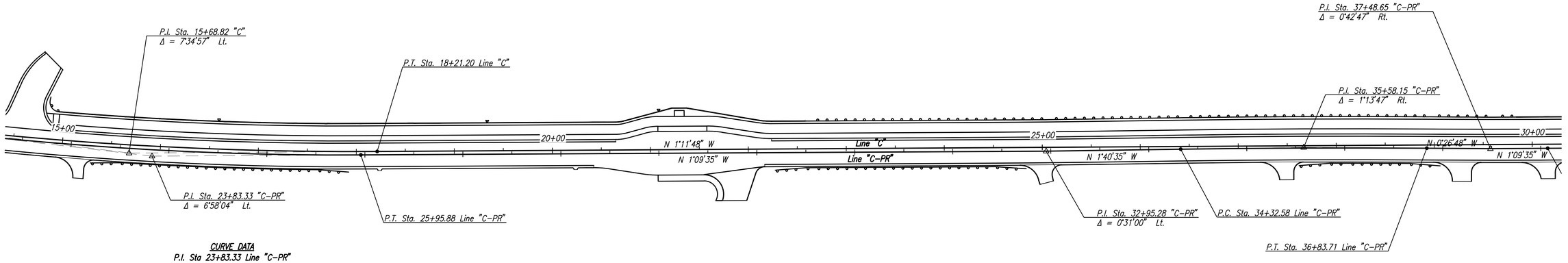
25+00

30+00

35+00

CURVE DATA
P.I. Sta 15+68.82 Line "C"
Δ = 7°34'57" Lt.
R = 3819.72'
T = 253.12'
L = 505.50'
E = 8.38'
SE= N.C.

CURVE DATA
P.I. Sta 35+58.15 Line "C-PR"
Δ = 1°13'47" Rt.
R = 11700.00'
T = 125.57'
L = 251.13'
E = 0.67'
SE= N.C.



CURVE DATA
P.I. Sta 23+83.33 Line "C-PR"
Δ = 6°58'04" Lt.
R = 3500.00'
T = 213.08'
L = 425.64'
E = 6.48'
SE= N.C.

NOTE: Top Stations Represent Line "PR-C"
Stations on Alignment Represent Line "C"

See Construction Details for "S" Line layout details.

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Fax 317-895-2596
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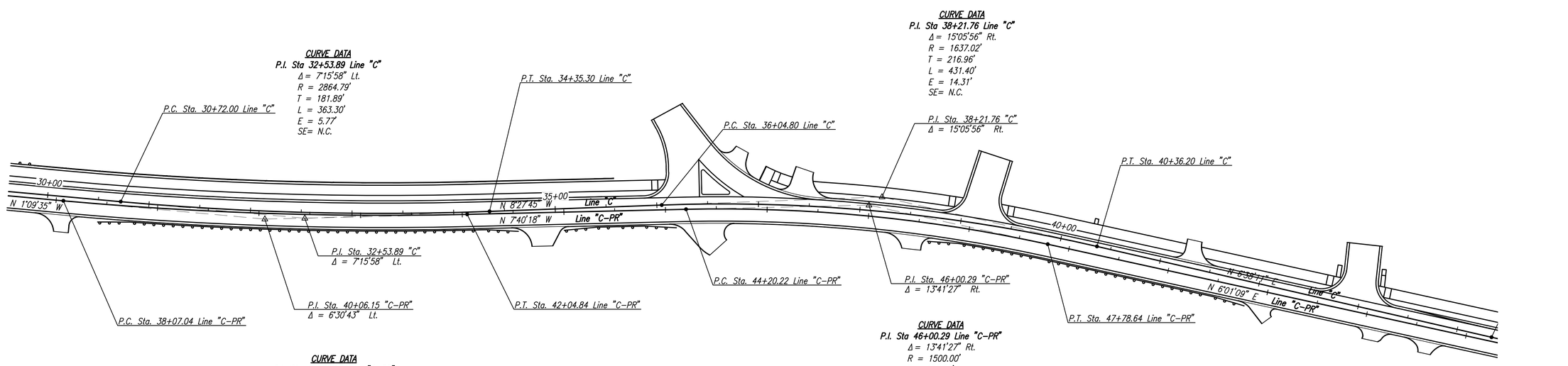
DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

GEOMETRIC DETAILS
Sta. 23+00.00 to Sta. 38+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	10 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Geometrics.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



CURVE DATA
P.I. Sta 32+53.89 Line "C"
Δ = 7°15'58" Lt.
R = 2864.79'
T = 181.89'
L = 363.30'
E = 5.77'
SE= N.C.

CURVE DATA
P.I. Sta 38+21.76 Line "C"
Δ = 15°05'56" Rt.
R = 1637.02'
T = 216.96'
L = 431.40'
E = 14.31'
SE= N.C.

CURVE DATA
P.I. Sta 40+06.15 Line "C-PR"
Δ = 6°30'43" Lt.
R = 3500.00'
T = 199.11'
L = 397.79'
E = 5.66'
SE= N.C.

CURVE DATA
P.I. Sta 46+00.29 Line "C-PR"
Δ = 13°41'27" Rt.
R = 1500.00'
T = 180.07'
L = 358.43'
E = 10.77'
SE= N.C.

NOTE: Top Stations Represent Line "PR-C"
Stations on Alignment Represent Line "C"

See Construction Details for "S" Line layout details.

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DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

GEOMETRIC DETAILS
Sta. 38+00.00 to Sta. 52+00.00

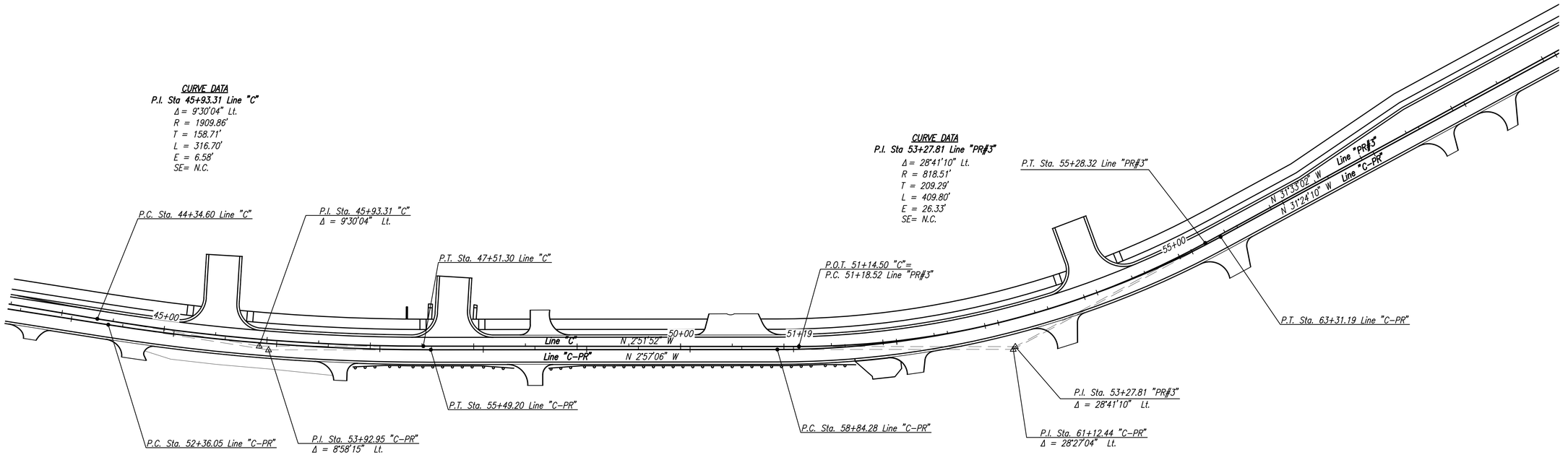
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	11 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-40\Road\Dwg\Plans\Geometrics.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

55+00

60+00

65+00



CURVE DATA
P.I. Sta 45+93.31 Line "C"
Δ = 9°30'04" Lt.
R = 1909.86'
T = 158.71'
L = 316.70'
E = 6.58'
SE= N.C.

CURVE DATA
P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" Lt
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

CURVE DATA
P.I. Sta 53+27.81 Line "PR#3"
Δ = 28°41'10" Lt.
R = 818.51'
T = 209.29'
L = 409.80'
E = 26.33'
SE= N.C.

CURVE DATA
P.I. Sta 61+12.44 Line "C-PR"
Δ = 28°27'04" Lt.
R = 900.00'
T = 228.16'
L = 446.91'
E = 28.47'
SE= N.C.

NOTE: Top Stations Represent Line "PR-C"
Stations on Alignment Represent Line "C" / Line "PR #3"

See Construction Details for "S" Line layout details.

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

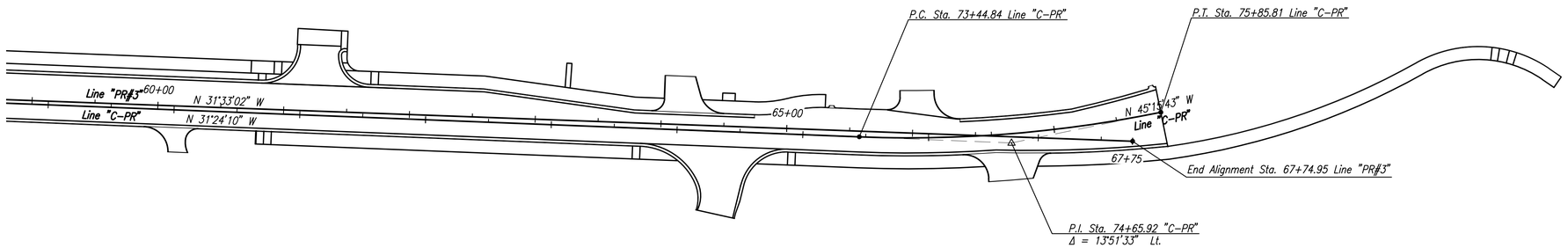
GEOMETRIC DETAILS
Sta. 52+00.00 to Sta. 66+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	12 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301\10-401\Road\Dwg\Plans\Geometrics.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

70+00

75+00



CURVE DATA
P.I. Sta 74+65.92 Line "C-PR"
Δ = 13°51'33" Lt.
R = 996.23'
T = 121.08'
L = 240.97'
E = 7.33'
SE= N.C.

NOTE: Top Stations Represent Line "PR-C"
Stations on Alignment Represent Line "C"/ Line "PR #3"

See Construction Details for "S" Line layout details.

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1625 N. Post Road
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Phone 317-895-2585
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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

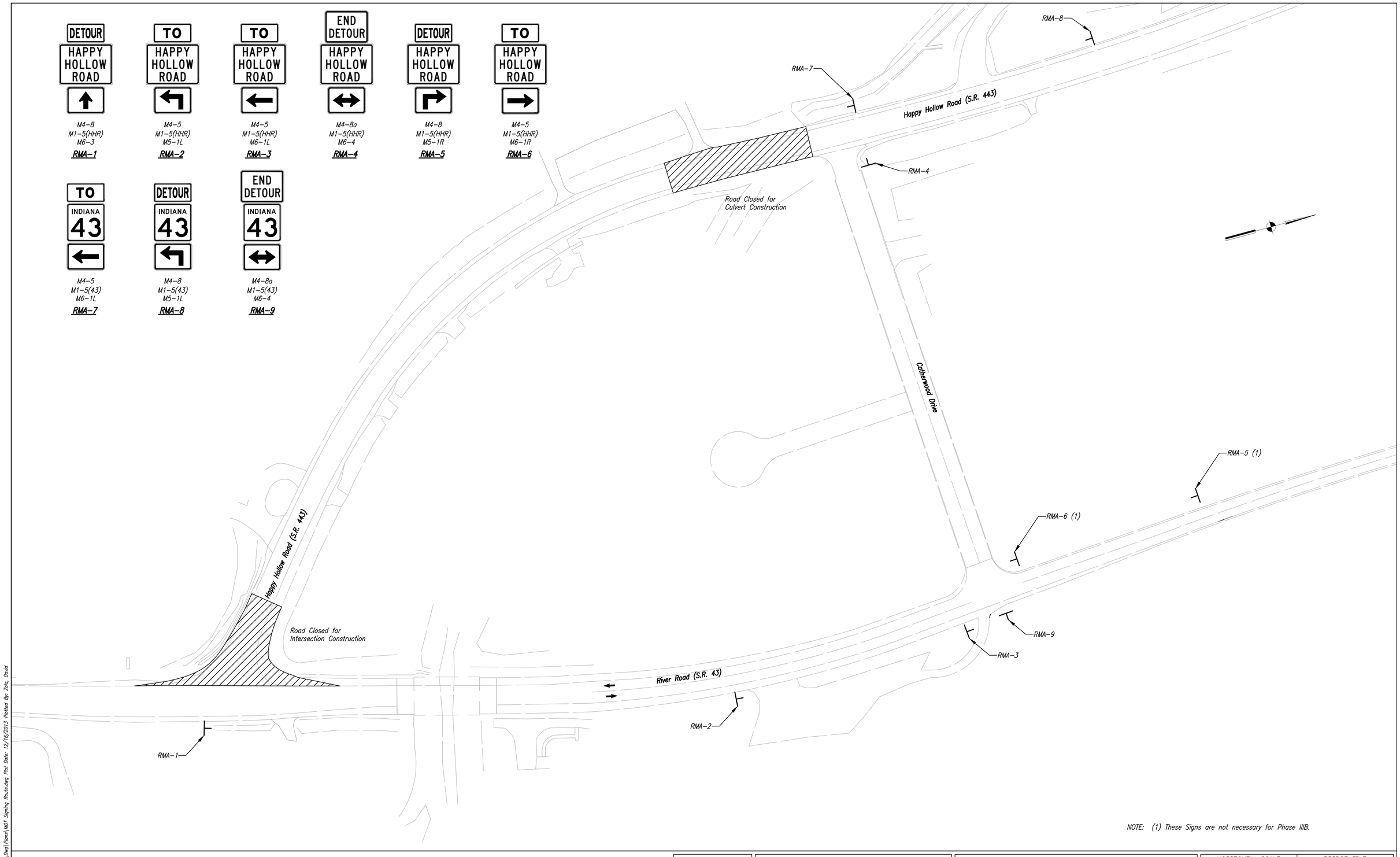
DESIGNED: BWS | DRAWN: MAC
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

GEOMETRIC DETAILS
Sta. 66+00.00 to Sta. 75+85.81

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	13 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Geometrics.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: (1) These Signs are not necessary for Phase IIIB.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

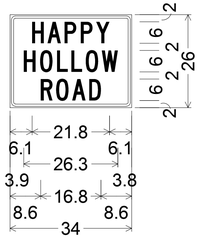
DESIGNED: SRS
DRAWN: DJZ
CHECKED: BJP
CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC ROUTE DETOUR, PHASES II, IIIA, IIIB

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	14 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C&S\10-401\Road\Dwg\Plans\MOT Signing Route.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



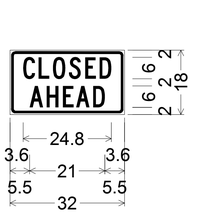
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[HAPPY] C;
[HOLLOW] C;
[ROAD] C;
Table of letter and object lefts.

H 6.1	A 10.5	P 15.3	P 19.8	Y 24.1

H 3.9	O 8.4	L 13.1	L 17.1	O 21.1	W 25.6

R 8.6	O 12.9	A 17.4	D 22.1

M1-5(HHR) – SHOP DRAWING

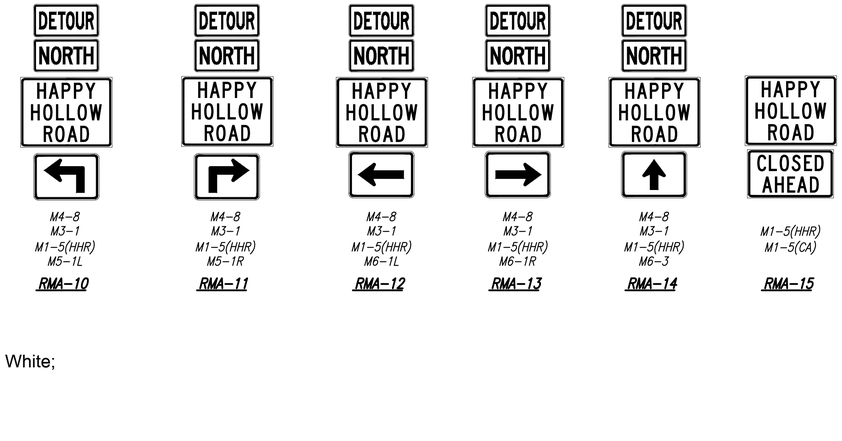


1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[CLOSED] C;
[AHEAD] C;
Table of letter and object lefts.

C 3.6	L 8.0	O 12.0	S 16.5	E 21.0	D 25.0

A 5.5	H 10.3	E 14.8	A 18.5	D 23.3

M1-5(CA) – SHOP DRAWING



M4-8
M3-1
M1-5(HHR)
M5-1L

RMA-10

M4-8
M3-1
M1-5(HHR)
M5-1R

RMA-11

M4-8
M3-1
M1-5(HHR)
M6-1L

RMA-12

M4-8
M3-1
M1-5(HHR)
M6-1R

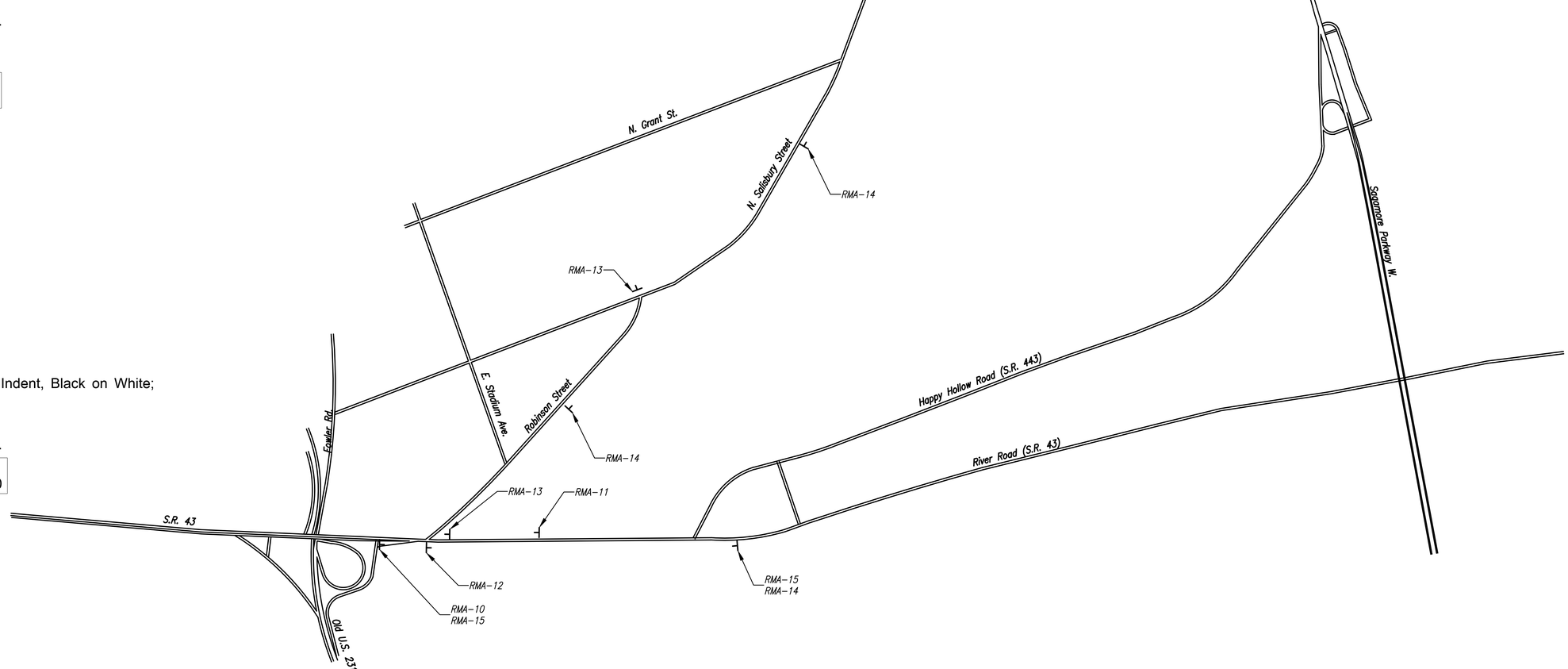
RMA-13

M4-8
M3-1
M1-5(HHR)
M6-3

RMA-14

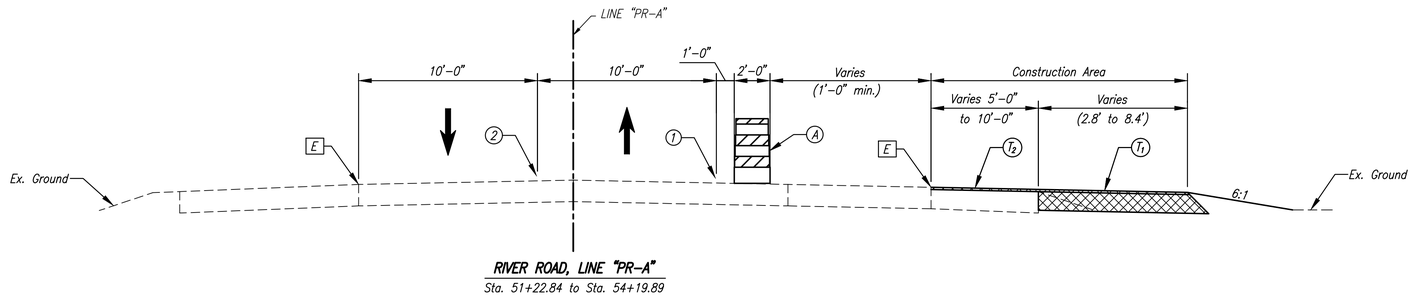
M1-5(HHR)
M1-5(CA)

RMA-15



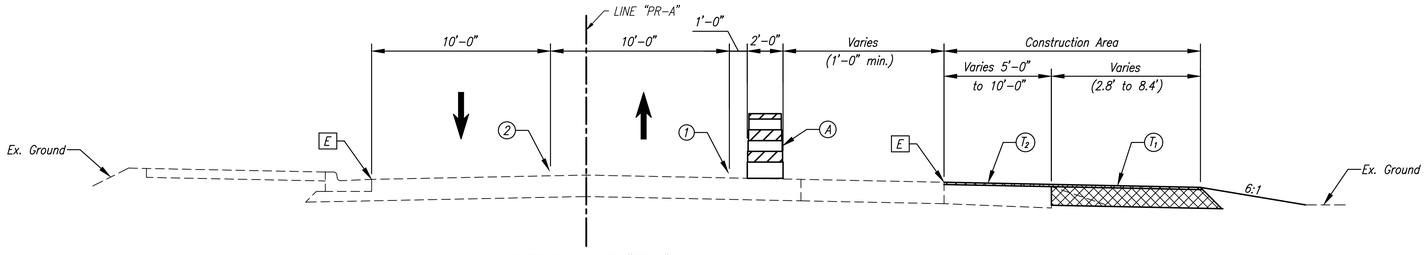
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	CITY OF WEST LAFAYETTE	HORIZONTAL SCALE 1" = 20' / BRIDGE FILE –
			VERTICAL SCALE N/A / DESIGNATION 1382200
	DESIGNED: BWS / DRAWN: DJZ	MAINTENANCE OF TRAFFIC ROUTE DETOUR, PHASE VI & VII	SURVEY BOOK – / SHEETS 15 of 174
	CHECKED: BJP / CHECKED: BJP		CONTRACT R-32947 / PROJECT 1382200

File Name: P:\CSD\10-401\Road\Dwg\Plans\SignRouteDetour_MH-North.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"

Sta. 51+22.84 to Sta. 54+19.89



RIVER ROAD, LINE "PR-A"

Sta. 47+79.83 to Sta. 51+22.84

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

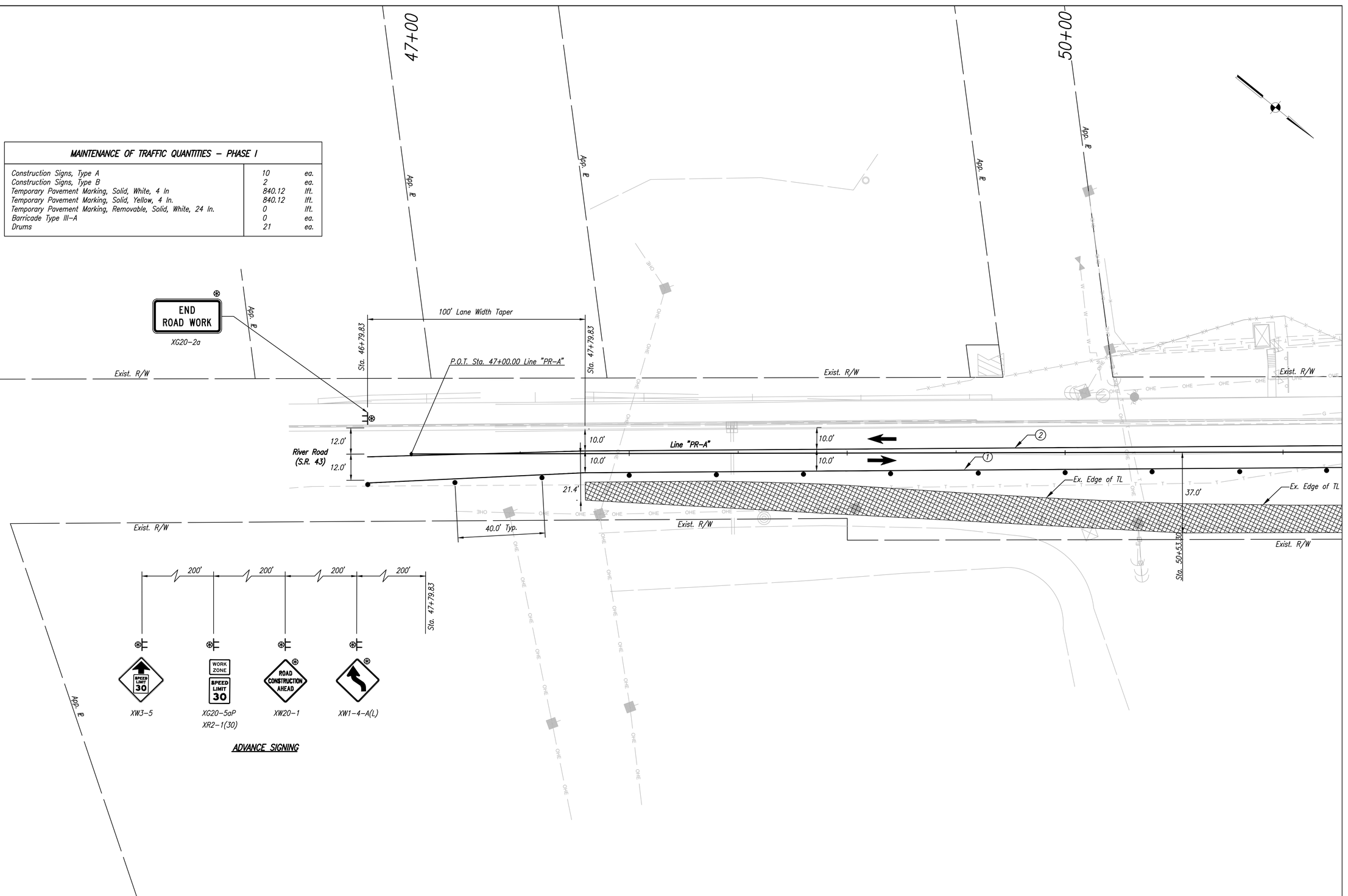
MAINTENANCE OF TRAFFIC TYPICALS PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	16 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-4011\Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE I

Construction Signs, Type A	10	ea.
Construction Signs, Type B	2	ea.
Temporary Pavement Marking, Solid, White, 4 In	840.12	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	840.12	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	0	lft.
Barricade Type III–A	0	ea.
Drums	21	ea.



ADVANCE SIGNING

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801–TCDV–01)
- ■ Vertical Panel, 3'–0" min. Height (STD 801–TCDV–01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

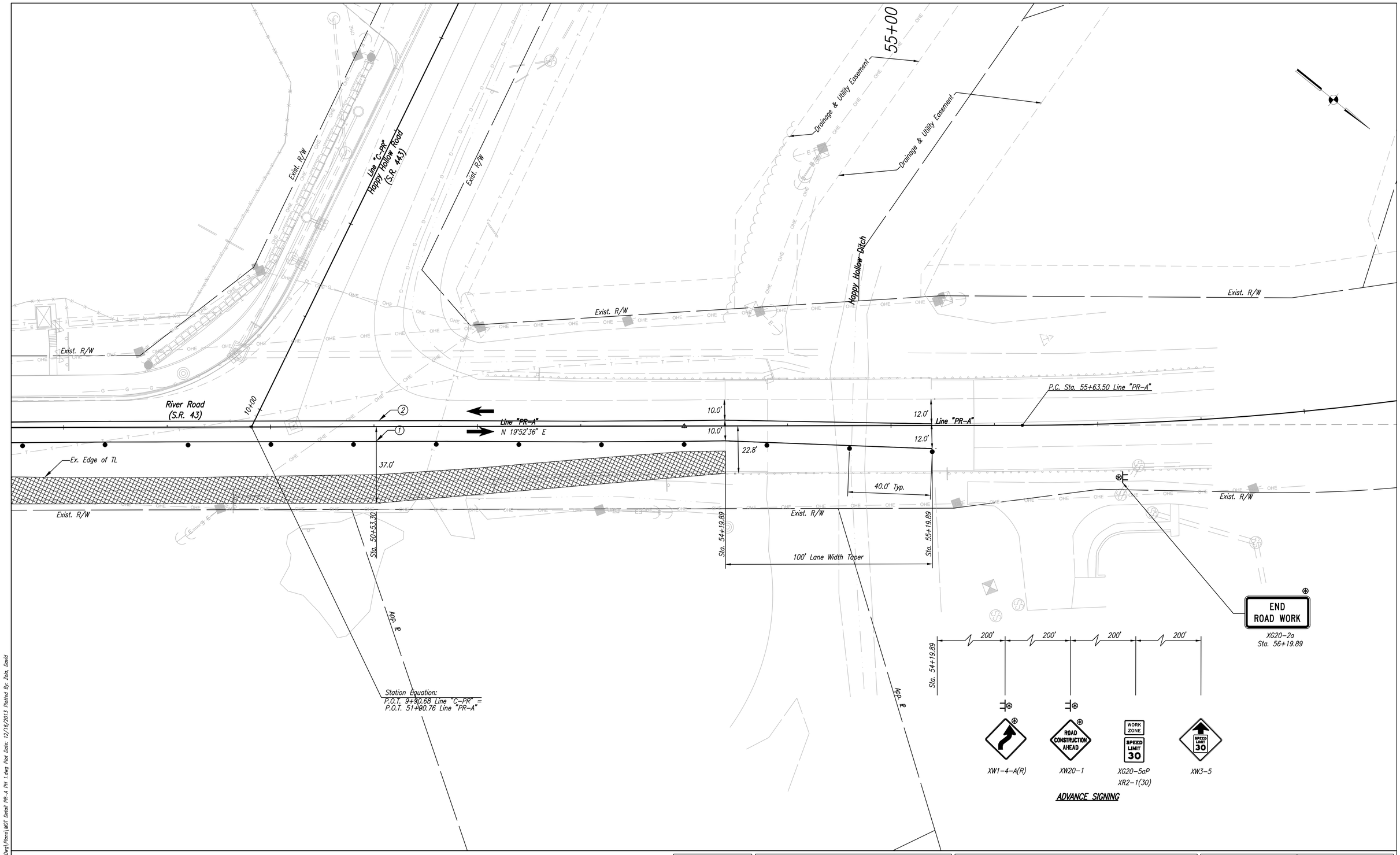
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE I – LINE "PR–A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	17 of 174
CONTRACT	PROJECT
R–32947	1382200

File Name: P:\C3D\ 10–401\Road\Dwg\Plans\MOT Detail PR–A PH 1.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801-TCDV-01)
- ■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

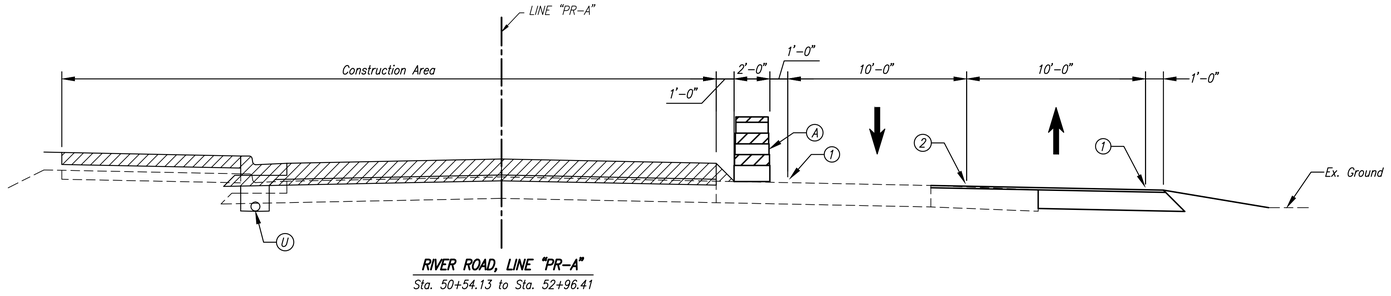
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

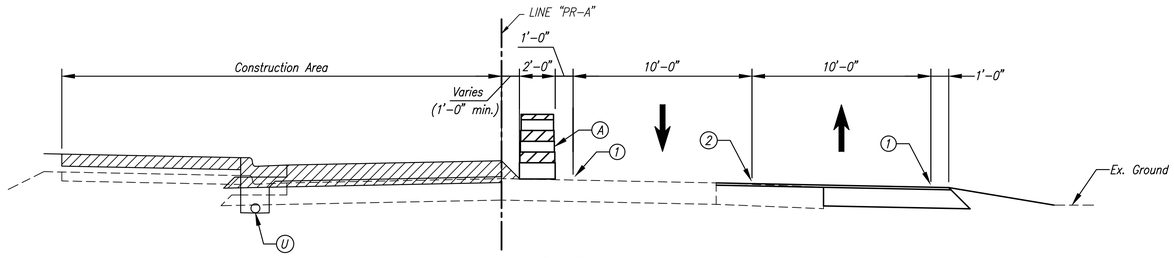
MAINTENANCE OF TRAFFIC DETAILS PHASE I - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	18 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C&S\10-401\Road\Dwg\Plans\MOT Detail PR-A PH 1.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"
Sta. 50+54.13 to Sta. 52+96.41



RIVER ROAD, LINE "PR-A"
Sta. 49+95.98 to Sta. 50+54.13
Sta. 52+96.41 to Sta. 53+95.03

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC TYPICALS PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	19 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zale, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE II		
Construction Signs, Type A	10	ea.
Construction Signs, Type B	2	ea.
Temporary Pavement Marking, Solid, White, 4 In	2,025	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	1,013	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	0	lft.
Barricade Type III–A	4	ea.
Drums	26	ea.

47+00

50+00

App. ℄

END ROAD WORK

XG20–2a

Begin Project
Sta. 49+95.98 Line "PR–A"

Exist. R/W

P.O.T. Sta. 47+00.00 Line "PR–A"

100'

12.0'

12.0'

40.0' Typ.

Line "PR–A"

River Road (SR 43)

Sta. 50+54.24

10.0'

10.0'

River Road (S.R. 43)

Sta. 46+32.30

421' Lane Width/ Lane Shift Taper (15:1)

Sta. 50+53.30

200' 200' 200' 200'

SPEED LIMIT 30

XW3–5

WORK ZONE SPEED LIMIT 30

XG20–5aP
XR2–1(30)

ROAD CONSTRUCTION AHEAD

XW20–1

XW24–1(R)

ADVANCE SIGNING

NOTES:
Work may be done concurrently at the intersection and culvert if access is maintained to all properties on Happy Hollow Road. Otherwise, the intersection and culvert road closures shall not be done concurrently.

NOTES:
Construction Zone Design Speed = 40 mph
Work Zone Speed Limit = 40 mph

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801–TCDV–01)
- ■ Vertical Panel, 3'–0" min. Height (STD 801–TCDV–01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE II – LINE "PR–A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	20 of 174
CONTRACT	PROJECT
R–32947	1382200

File Name: P:\C&S\ 10–401\Road\Dwg\Plans\MOT Detail PR–A Plt. 2.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

Line "C-PR"
Happy Hollow Road
(S.R. 43)

11+75.00 "C-PR"

55+00

Drainage & Utility Easement

Drainage & Utility Easement

Happy Hollow Ditch

Exist. R/W

Exist. R/W

Exist. R/W

Sta. 53+93.56

10+00

N 19°52'36" E

P.C. Sta. 55+63.50 Line "PR-A"

40.0' Typ.

12.0'

12.0'

Line "PR-A"

END
ROAD WORK

XG20-2a

River Road
(S.R. 43)

River Road
(S.R. 43)

10.0'

10.0'

10.0'

4.1'

Exist. R/W

Exist. R/W

Exist. R/W

Sta. 52+50.67

Sta. 52+96.41

Sta. 54+20.67

Sta. 56+46.67

170' Lane Shift Taper (15:1)

226' Lane Width/Lane Shift Taper (15:1)

100'

App. ℄

App. ℄

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

Sta. 54+19.89

200' 200' 200' 200'

XW24-1(L)

XW20-1

XG20-5aP
XR2-1(30)

XW3-5

ADVANCE SIGNING

NOTES:
Work may be done concurrently at the intersection and culvert if access is maintained to all properties on Happy Hollow Road. Otherwise, the intersection and culvert road closures shall not be done concurrently.

LEGEND

(1) Full Depth HMA for Temporary Pavement
(2) 1.5" Surface Milling &
Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Solid, White, 24"
● Standard Drum (STF 801-TCDV-01)
■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
X Line, Remove
Direction of Traffic
Temp. Widening
Construction Area
Temp. Construction Sign with Warning Light

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE II - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	21 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\CSD\10-401\Road\Dwg\Plans\MOT Detail PR-A PH 2.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

16+00 17+00 18+00 19+00 20+00 21+00 22+00

Exist. R/W
P.T. Sta. 18+67.14 Line "C-PR"
Happy Hollow Road (SR 443)
N 5°48'29" E
Exist. R/W
Exist. R/W
App. ℄ & Exist. R/W
XW1-6
Exist. R/W
P.O.T. 20+71.07 "C-PR"= P.O.T. 10+00.00 Line "S-1-A"
P.C. Sta. 21+70.24 Line "C-PR"
R3-2
±40.0
"S-3-4" N 66°19'00" W
±87.14
±33.96
R3-2
S 88°25'57" E
"S-1-A"
CATHERWOOD DRIVE
Exist. R/W
GAS METER
Exist. R/W
App. ℄
App. ℄
App. ℄
App. ℄
App. ℄
18"RCP
24"RCP
8"PVC
8"PVC
UNKNOWN
18"CMP
8"STEEL
12"CPP
12"CPP
24"RCP

NOTES:
Work may be done concurrently at the intersection and culvert if access is maintained to all properties on Happy Hollow Road. Otherwise, the intersection and culvert road closures shall not be done concurrently.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

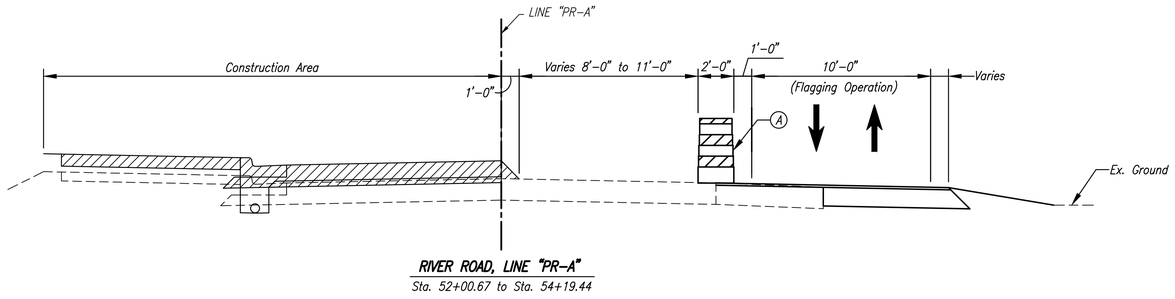
CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAIL PHASE II – LINE "C-PR"

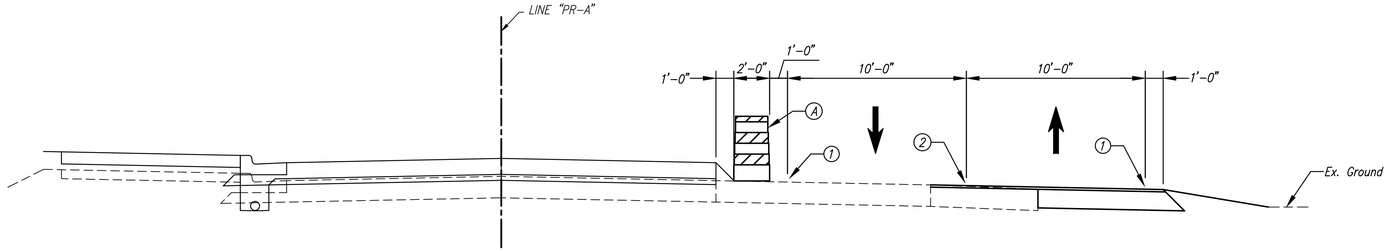
HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	22 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\MOT Detail C-PR PH II.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"
Sta. 52+00.67 to Sta. 54+19.44



RIVER ROAD, LINE "PR-A"
Sta. 49+96.00 to Sta. 52+00.67

LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

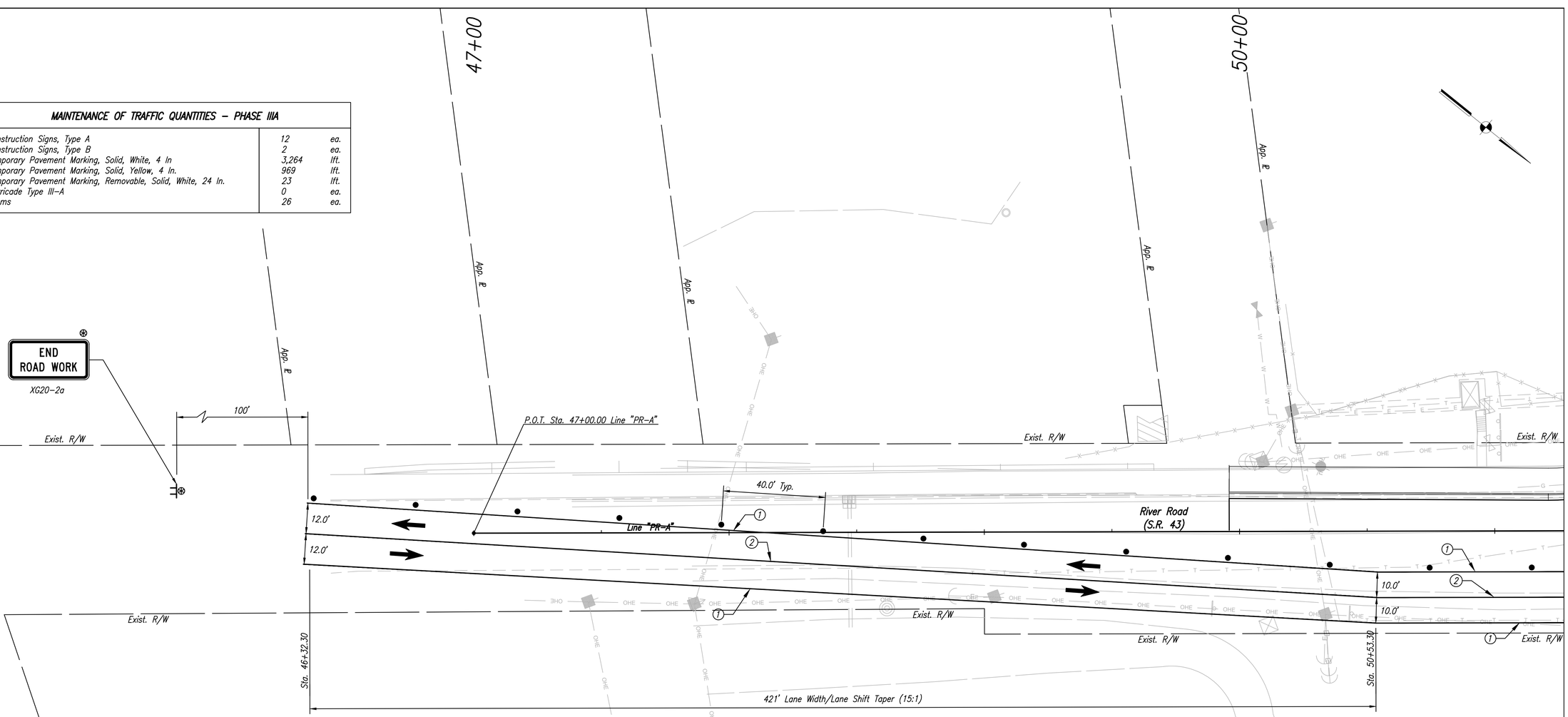
MAINTENANCE OF TRAFFIC TYPICALS PHASE IIIA

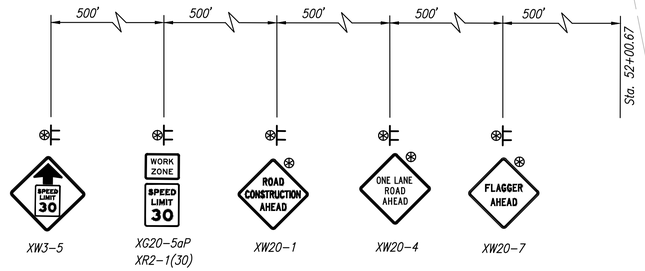
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	-
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
-	23 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C301_10-4011 Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE IIIA

Construction Signs, Type A	12	ea.
Construction Signs, Type B	2	ea.
Temporary Pavement Marking, Solid, White, 4 In	3,264	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	969	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	23	lft.
Barricade Type III-A	0	ea.
Drums	26	ea.





XW3-5 | XG20-5aP XR2-1(30) | XW20-1 | XW20-4 | XW20-7

ADVANCE SIGNING

NOTES:
Construction Zone Design Speed = 40 mph
Work Zone Speed Limit = 40 mph
Work in this phase to be done under a flagger operation.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801-TCDV-01)
- ■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ | CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE IIIA – LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	24 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\CAD\10-401\Road\Dwg\Plans\MOT Detail PR-A PH. 3A.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

Line "C-PR"
Happy Hollow Road
(S.R. 443)

Drainage & Utility Easement

55+00

Drainage & Utility Easement

Happy Hollow Ditch

END
ROAD WORK
XG20-2a

Exist. R/W

P.C. Sta. 55+63.50 Line "PR-A"

Exist. R/W

Exist. R/W

Sta. 53+93.56

Sta. 54+19.44

50' Taper

Sta. 55+99.26

Sta. 56+49.03

Sta. 56+58.78

10+00

Line "PR-A"

40.0' Typ.

10.0'

10.0'

10.0'

Exist. R/W

Exist. R/W

Exist. R/W

Sta. 51+80.67

Sta. 52+00.67

Sta. 52+50.67

Sta. 54+20.67

Sta. 56+46.67

50.0' Taper

170.0' Lane Shift Taper (15:1)

226.0' Lane Width/Lane Shift Taper (15:1)

100'

App. ℄

App. ℄

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

Sta. 56+58.78

500' 500' 500' 500' 500'

FLAGGER AHEAD
XW20-7

ONE LANE ROAD AHEAD
XW20-4

ROAD CONSTRUCTION AHEAD
XW20-1

WORK ZONE
SPEED LIMIT 30
XG20-5aP
XR2-1(30)

SPEED LIMIT 30
XW3-5

ADVANCE SIGNING

LEGEND

(1) Full Depth HMA for Temporary Pavement
(2) 1.5" Surface Milling &
Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Solid, White, 24"
● Standard Drum (STF 801-TCDV-01)
■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
X Line, Remove
Direction of Traffic
Temp. Widening
Construction Area
Temporary Construction Sign with Warning Light

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER DATE

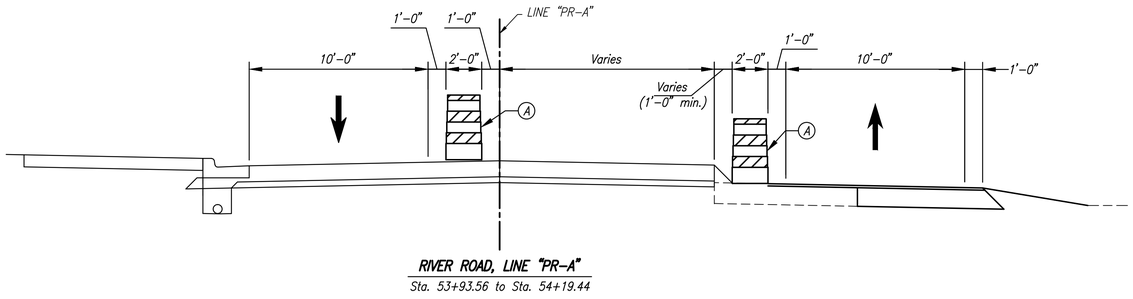
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE IIIA - LINE "PR-A"

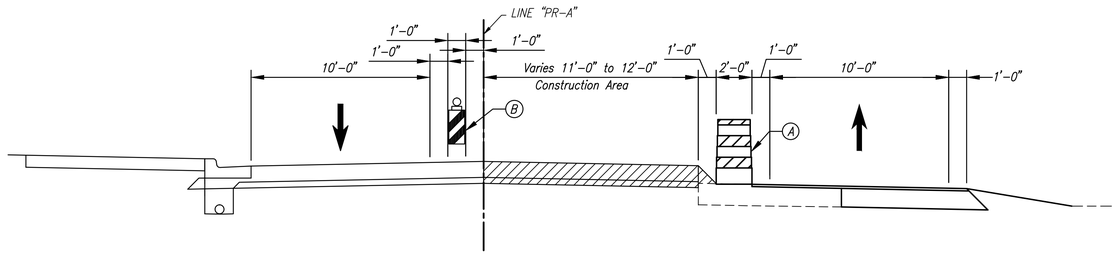
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	25 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail PR-A PH 3A.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"

Sta. 53+93.56 to Sta. 54+19.44



RIVER ROAD, LINE "PR-A"

Sta. 49+95.98 to Sta. 50+54.13

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

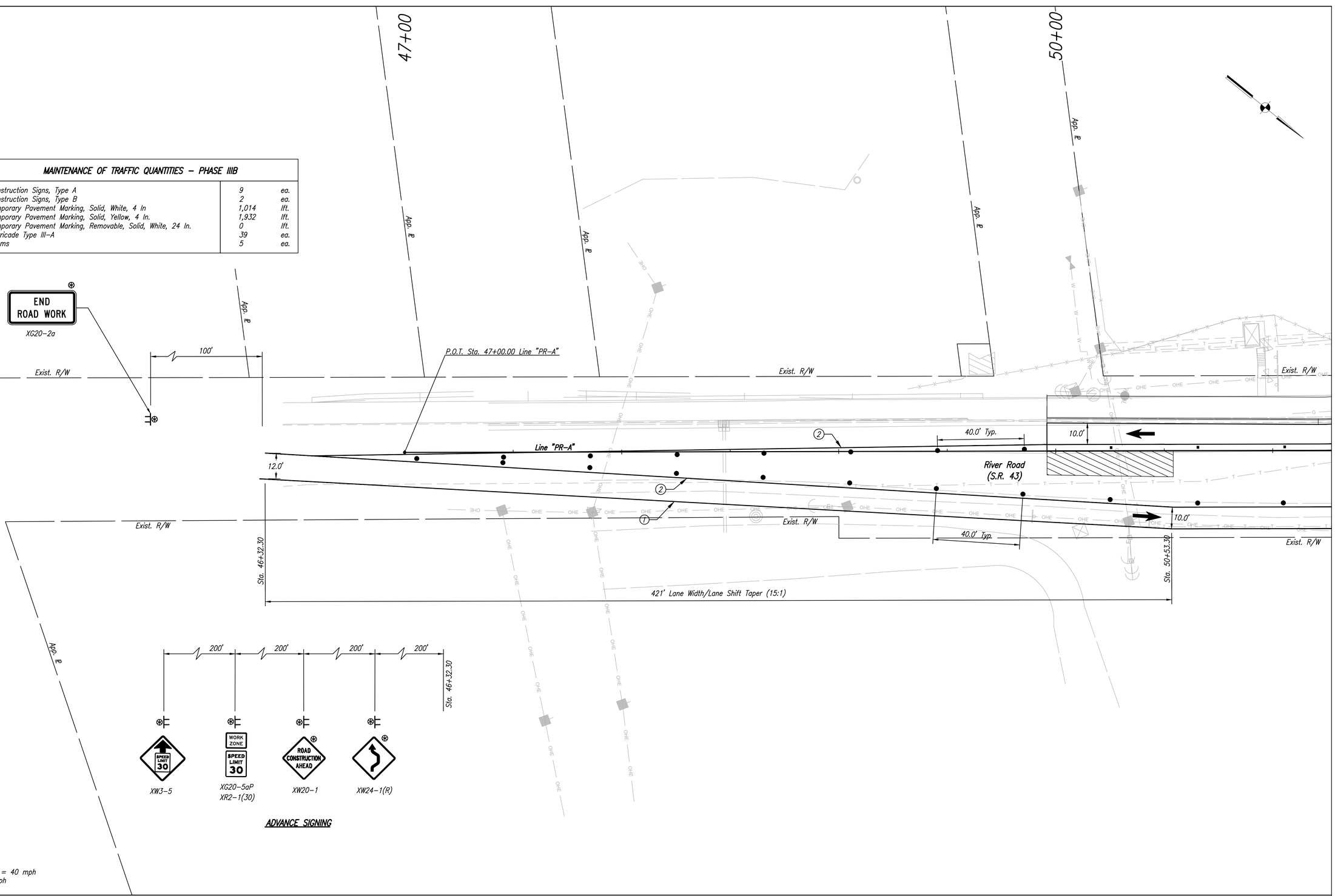
MAINTENANCE OF TRAFFIC TYPICALS PHASE IIIB

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	-
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
-	26 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:_CSD_10-4011 Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE IIIB

Construction Signs, Type A	9	ea.
Construction Signs, Type B	2	ea.
Temporary Pavement Marking, Solid, White, 4 In	1,014	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	1,932	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	0	lft.
Barricade Type III–A	39	ea.
Drums	5	ea.



NOTES:
Construction Zone Design Speed = 40 mph
Work Zone Speed Limit = 40 mph

LEGEND

- (1) Full Depth HMA for Temporary Pavement
- (2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801–TCDV–01)
- ■ Vertical Panel, 3'–0" min. Height (STD 801–TCDV–01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE IIIB – LINE "PR–A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	27 of 174
CONTRACT	PROJECT
R–32947	1382200

File Name: P:\C351\10–401\Road\Dwg\Plans\MOT Detail PR–A PH. 3B.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

END ROAD WORK
XG20-2a

Line "C-PR" Happy Hollow Road (S.R. 443)

Drainage & Utility Easement

Drainage & Utility Easement

55+00

Happy Hollow Ditch

END ROAD WORK
XG20-2a

Exist. R/W

Exist. R/W

Exist. R/W

P.C. Sta. 55+63.50 Line "PR-A"

10+00

River Road (S.R. 43)

Line "PR-A"

40.0' Typ.

40.0' Typ.

Exist. R/W

Exist. R/W

Exist. R/W

Sta. 52+50.67

Sta. 54+20.67

Sta. 56+46.67

170.0' Lane Shift Taper (15:1)

226.0' Lane Width/Lane Shift Taper (15:1)

100'

App. ℄

App. ℄

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

200' 200' 200'

Sta. 56+46.67

ROAD CONSTRUCTION AHEAD
XW20-1

WORK ZONE SPEED LIMIT 30
XG20-5aP
XR2-1(30)

SPEED LIMIT 30
XW3-5

ADVANCE SIGNING

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801-TCDV-01)
- ■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

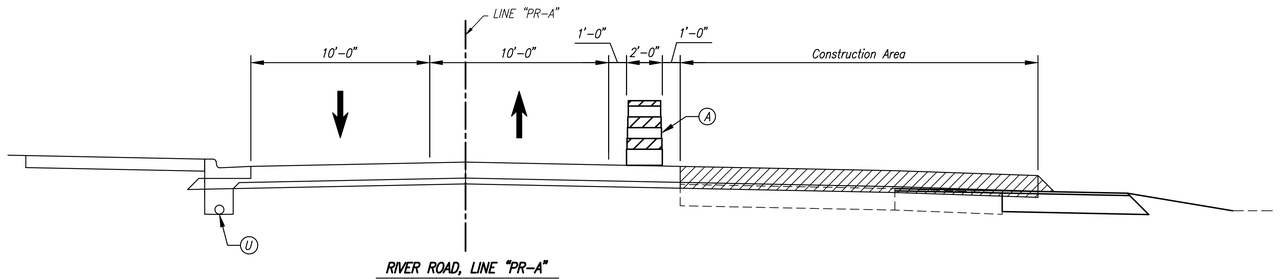
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE IIIB - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
-	28 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\CSD\10-4011\Road\Dwg\Plans\MOT Detail PR-A PH 3B.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"

Sta. 47+79.83 to Sta. 54+19.89

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

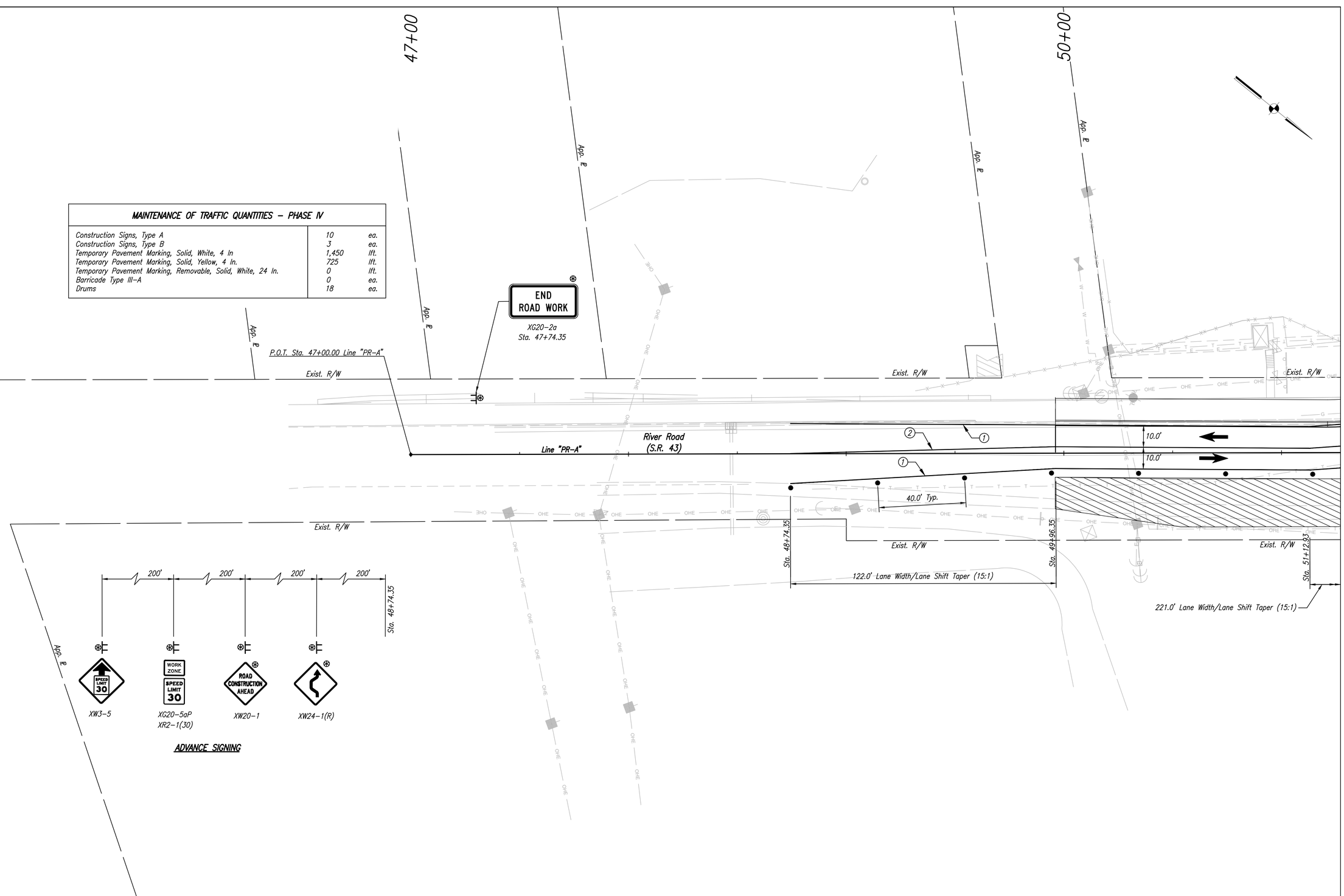
MAINTENANCE OF TRAFFIC TYPICALS PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	29 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zale, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE IV

Construction Signs, Type A	10	ea.
Construction Signs, Type B	3	ea.
Temporary Pavement Marking, Solid, White, 4 In	1,450	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	725	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	0	lft.
Barricade Type III–A	0	ea.
Drums	18	ea.



ADVANCE SIGNING

LEGEND

- (1) Full Depth HMA for Temporary Pavement
- (t_2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801–TCDV–01)
- ■ Vertical Panel, 3'–0" min. Height (STD 801–TCDV–01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE IV – LINE "PR–A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	30 of 174
CONTRACT	PROJECT
R–32947	1382200

File Name: P:\CSTI\ 10–401\Road\Dwg\Plans\MOT Detail PR–A PH 4.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

END ROAD WORK
XG20-2a

Drainage & Utility Easement

Drainage & Utility Easement

55+00

Line "C-PR"
Happy Hollow Road
(S.R. 43)

Happy Hollow Ditch

Exist. R/W

Exist. R/W

Exist. R/W

END ROAD WORK
XG20-2a

P.C. Sta. 55+63.50 Line "PR-A"

10.0'

10.0'

10+00

River Road
(S.R. 43)

Line "PR-A"

40.0' Typ.

Exist. R/W

Sta. 51+12.93

181.0' Lane Shift Taper (15:1)

Sta. 52+93.43

Exist. R/W

Sta. 53+78.25

221.0' Lane Width/Lane Shift Taper (15:1)

Sta. 55+99.25

100'

Exist. R/W

App. ℄

App. ℄

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

Sta. 55+99.25

200' 200' 200' 200'

XW24-1(R)

XW20-1

ROAD CONSTRUCTION AHEAD

XG20-5aP
XR2-1(30)

WORK ZONE
SPEED LIMIT 30

XW3-5

SPEED LIMIT 30

ADVANCE SIGNING

LEGEND

(1) Full Depth HMA for Temporary Pavement

(2) 1.5" Surface Milling &
Variable Depth HMA Surface, Type D (Min 165#/Syd)

(1) Temp. Pavement Marking, Removable, Solid, White, 4"

(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"

(3) Temp. Pavement Marking, Removable, Solid, White, 24"

● Standard Drum (STF 801-TCDV-01)

■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)

X Line, Remove

Direction of Traffic

Temp. Widening

Construction Area

Temporary Construction Sign with Warning Light

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

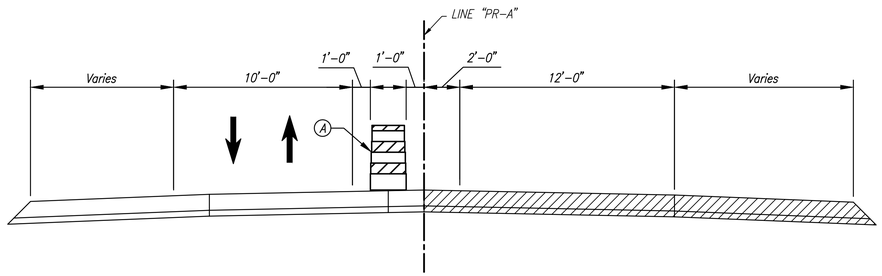
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

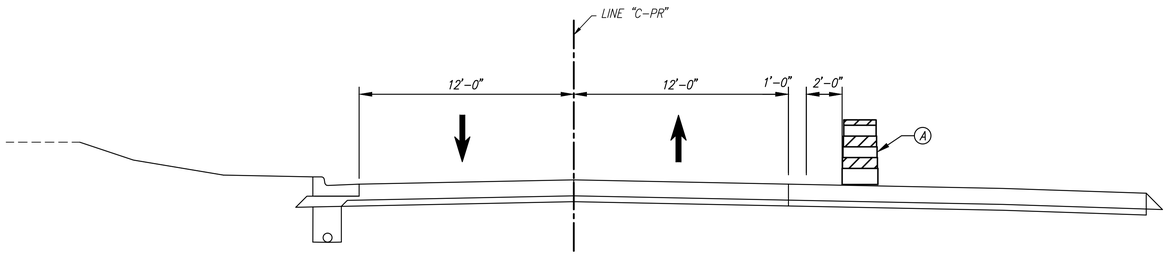
MAINTENANCE OF TRAFFIC DETAILS
PHASE IV - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	31 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C&S\10-401\Road Dwg\Plans\MOT Details PR-A PH 4.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



RIVER ROAD, LINE "PR-A"
Sta. 53+78.13 to Sta. 54+19.44



RIVER ROAD, LINE "PR-A"
Sta. 50+00.00 to 55+69.48

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- [E] Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

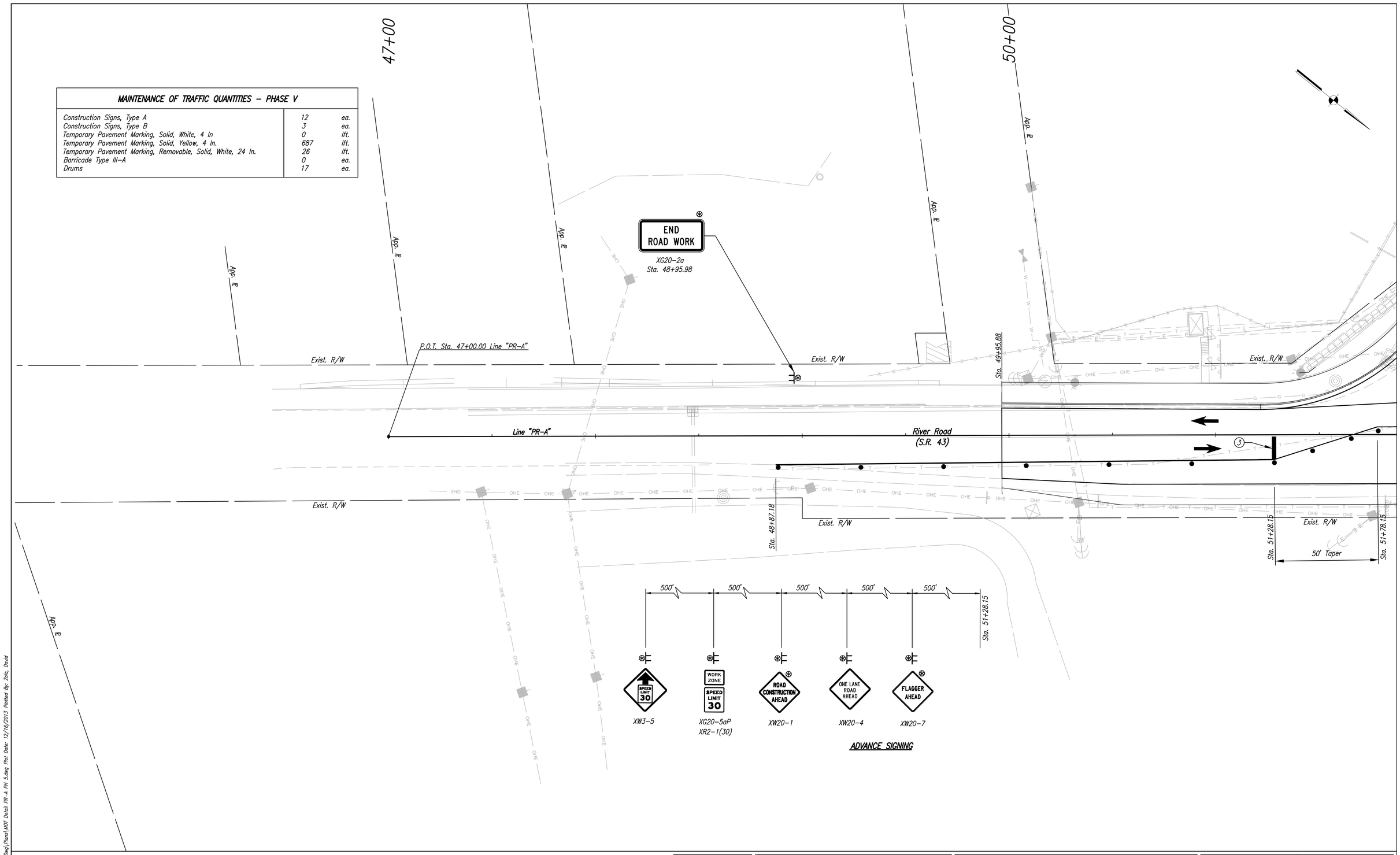
CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC TYPICALS PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	32 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zale, David

MAINTENANCE OF TRAFFIC QUANTITIES – PHASE V		
Construction Signs, Type A	12	ea.
Construction Signs, Type B	3	ea.
Temporary Pavement Marking, Solid, White, 4 In	0	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	687	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	26	lft.
Barricade Type III-A	0	ea.
Drums	17	ea.



LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801-TCDV-01)
- ■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE V – LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	33 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail PR-A PH 5.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

END ROAD WORK
XG20-2a

Line "C-PR" Happy Hollow Road (S.R. 43)

Drainage & Utility Easement

Drainage & Utility Easement

55+00

Happy Hollow Ditch

Exist. R/W

Exist. R/W

Exist. R/W

P.C. Sta. 55+63.50 Line "PR-A"

Sta. 55+89.69

10+00

River Road (S.R. 43)

Line "PR-A"

4.0'

Exist. R/W

Sta. 51+28.15

50' Taper

Sta. 51+78.15

Exist. R/W

Sta. 53+78.13

Sta. 54+20.00

Sta. 55+19.43

50' Taper

Sta. 54+69.41

100'

Exist. R/W

END ROAD WORK
XG20-2a

App. ℄

App. ℄

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

Sta. 56+58.78

500' 500' 500' 500' 500'

FLAGGER AHEAD — XW20-7

ONE LANE ROAD AHEAD — XW20-4

ROAD CONSTRUCTION AHEAD — XW20-1

WORK ZONE / SPEED LIMIT 30 — XG20-5aP, XR2-1(30)

SPEED LIMIT 30 — XW3-5

ADVANCE SIGNING

LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- ● Standard Drum (STF 801-TCDV-01)
- ■ Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- X Line, Remove
- ↑ Direction of Traffic
- Temp. Widening
- Construction Area
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

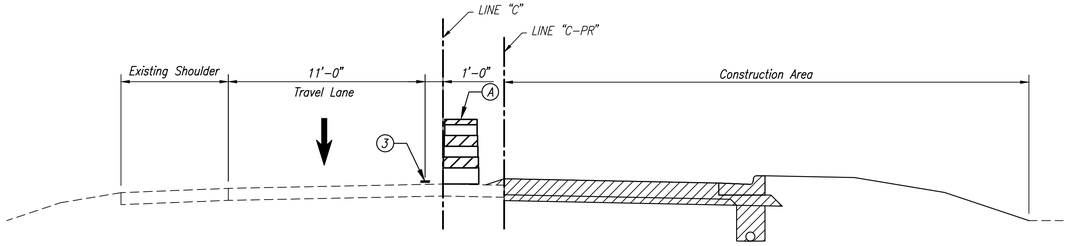
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

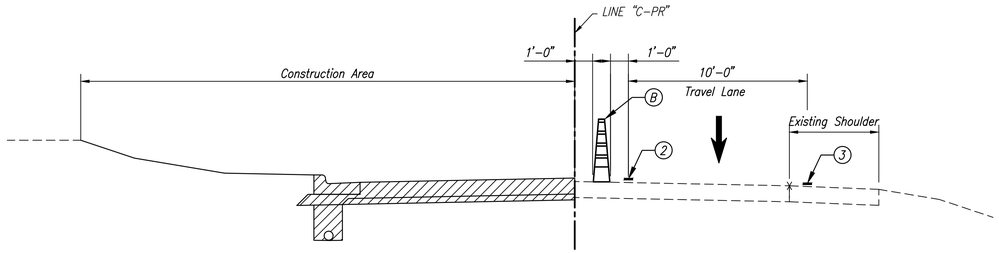
MAINTENANCE OF TRAFFIC DETAILS PHASE V - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	34 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail PR-A PH. 5.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



PHASE 6, LINE "C-PR"
Sta. 20+33.96 to 75+85.51



Phase 6, LINE "C-PR"
Sta. 11+75.00 to 18+87.14

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Vertical Panel, 3'-0" min. Height (STD 801-TCDV-01)
- (E) Existing Edge of Travel Lane
- Direction of Traffic
- X Line, Remove
- Construction Area
- Temp. Widening
- Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

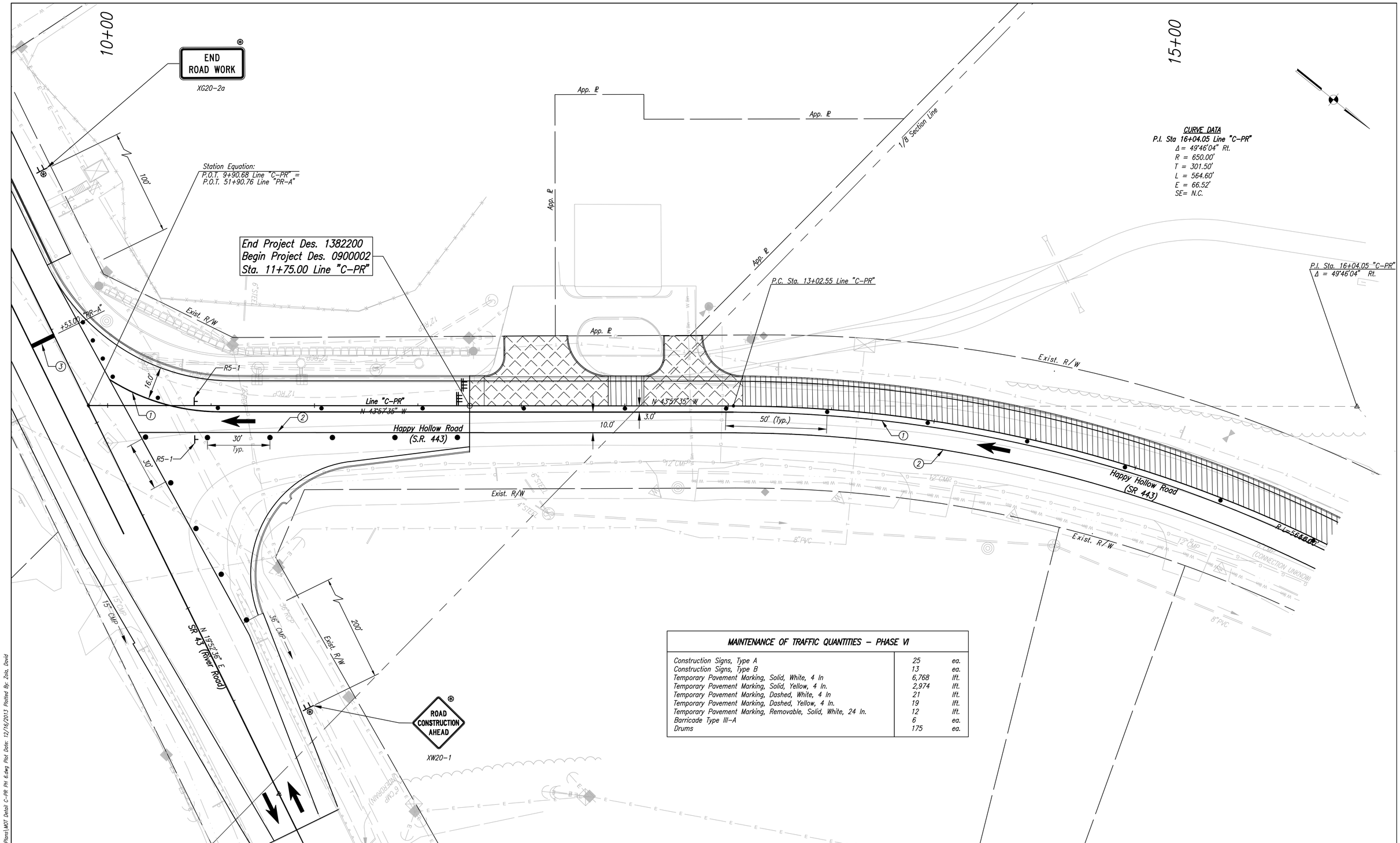
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC TYPICALS PHASE VI

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
-	35 of 174
CONTRACT	PROJECT
R-32947	1382200

File Name: P:\C3D\10-4011 Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



MAINTENANCE OF TRAFFIC QUANTITIES – PHASE VI		
Construction Signs, Type A	25	ea.
Construction Signs, Type B	13	ea.
Temporary Pavement Marking, Solid, White, 4 In	6,768	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	2,974	lft.
Temporary Pavement Marking, Dashed, White, 4 In	21	lft.
Temporary Pavement Marking, Dashed, Yellow, 4 In.	19	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	12	lft.
Barricade Type III-A	6	ea.
Drums	175	ea.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

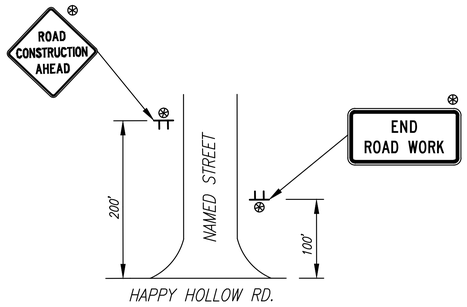
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	36 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Intersection Sight Detail

Typical for all Named Streets

** Distances measured from back of Approach work if Street approach Constructed in this Phase.*

20+00

WORK ZONE
SPEED LIMIT 25

XG20-5aP
XR2-1(25)

P.T. Sta. 18+67.14 Line "C-PR"

197.2' Lane Shift

Exist. R/W

+87.14

+84.38

P.O.T. 20+71.07 "C-PR"≡
P.O.T. 10+00.00 Line "S-1-A"

Ex. ETL

P.I. Sta. 16+04.05 "C-PR"
Δ = 49°46'04" Rt.

N 5°48'29" E

Happy Hollow Road
(SR 443)

Line "C-PR"

11.0'

5.8'

50'
(Typ.)

+33.96

15" CMP

3.0'

10.0'

R/W

Exist. R/W

12" CMP

8" PVC

24" RCP

18" RCP

8" STEEL

GAS METER

"S-1-A"

CATHERWOOD DRIVE

App. ℓ

(CONNECTION UNKNOWN)

LEGEND

- (1) *Full Depth HMA for Temporary Pavement*
- (2) *1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)*
- (1) *Temp. Pavement Marking, Removable, Solid, White, 4"*
- (2) *Temp. Pavement Marking, Removable, Solid, Yellow, 4"*
- (3) *Temp. Pavement Marking, Removable, Solid, White, 24"*
- (A) *Standard Drum (STF 801-TCDV-01)*
- (B) *Standard Cone, 3'-6" Height (STD 801-TCDV-01)*
- X *Line, Remove*
- *Drums*
- *Vertical Panels*
- *Barricade, Type IIIA*
- *Direction of Traffic*
- *Temp. Widening*
- *Construction Area*
- *Construct Under Traffic*
- *Temporary Construction Sign with Warning Light*

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

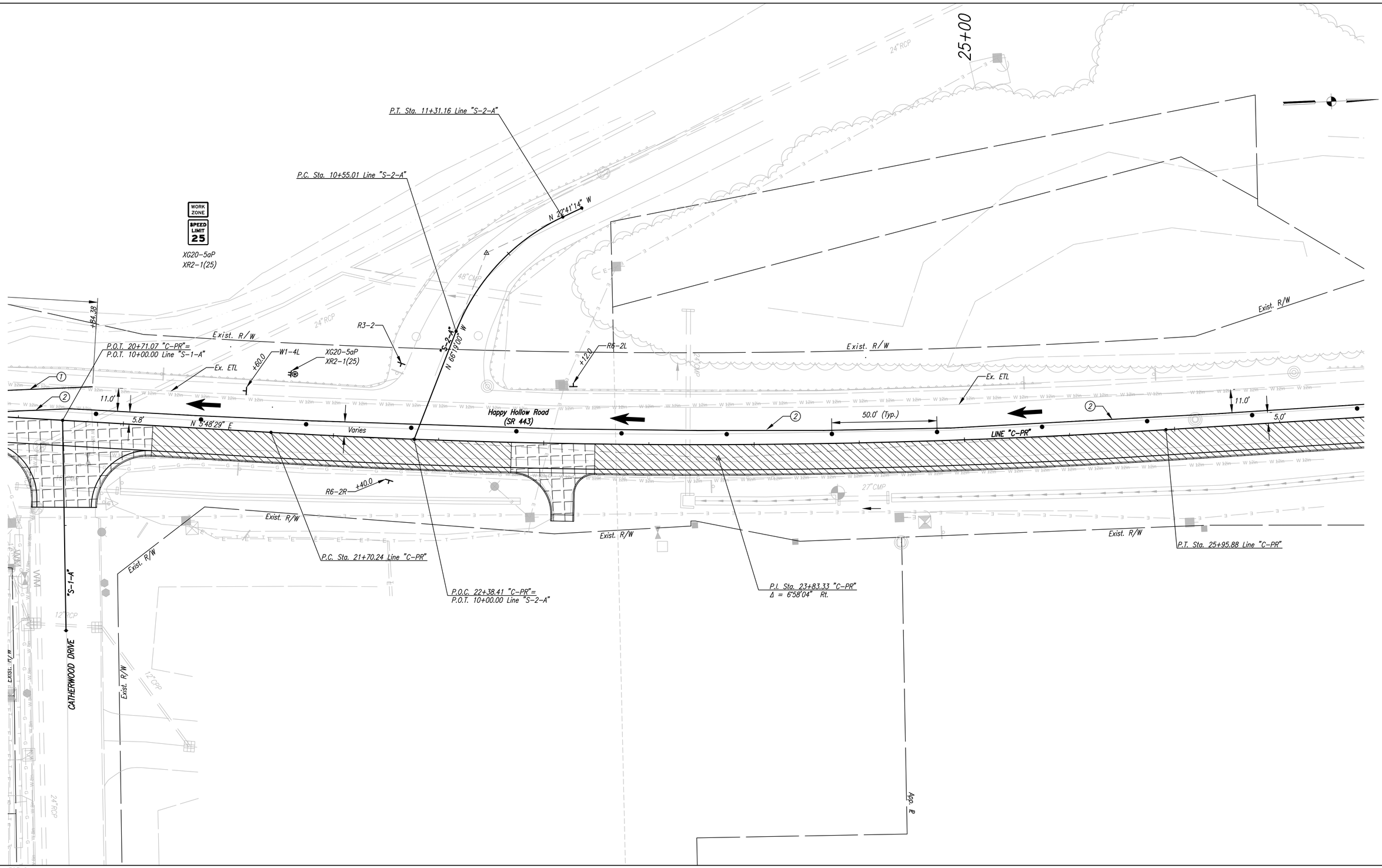
CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	37 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zale, David



LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	38 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDS\10-4011\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

30+00

App. ℄

Exist. R/W

Exist. R/W

Exist. R/W

R6-2L

±175.0

Exst. ETL

50.0'

Happy Hollow Road
(SR 443)

11.0'

11.0'

11.0'

Line "C-PR"

Varies

Varies

N 1°09'35" W

12"RCP

6"RCP

R3-2

P.T. Sta. 25+95.88 Line "C-PR"

Exist. R/W

Exist. R/W

8"CLAY

App. ℄

App. ℄

App. ℄

LEGEND

(T1) Full Depth HMA for Temporary Pavement

(T2) 1.5" Surface Milling &
Variable Depth HMA Surface, Type D (Min 165#/Syd)

(1) Temp. Pavement Marking, Removable, Solid, White, 4"

(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"

(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)

(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)

X Line, Remove

Drums

Vertical Panels

Barricade, Type IIIA

Direction of Traffic

Temp. Widening

Construction Area

Construct Under Traffic

Temporary Construction Sign with Warning Light

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

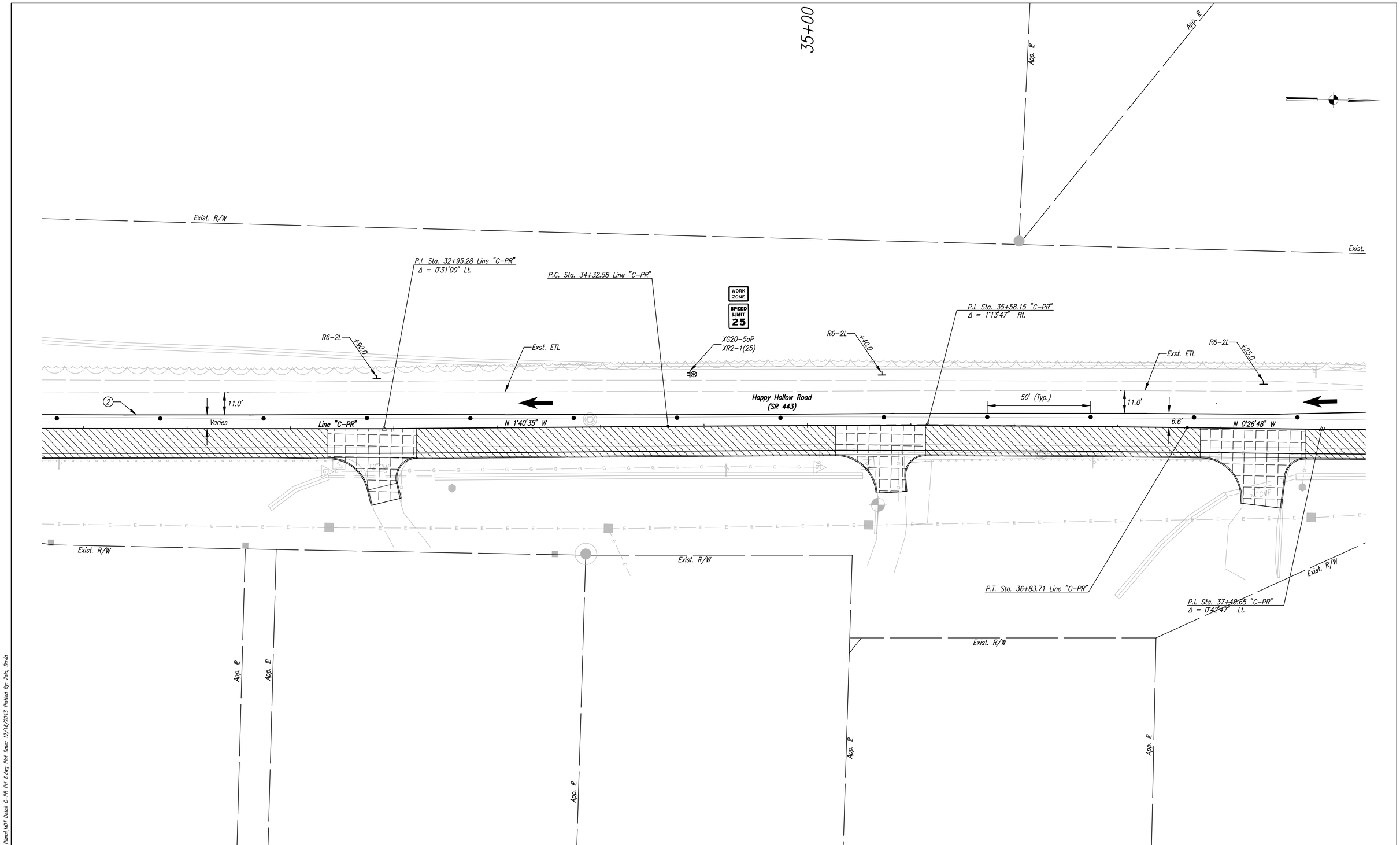
CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
-	39 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- 1 Temp. Pavement Marking, Removable, Solid, White, 4"
- 2 Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- 3 Temp. Pavement Marking, Removable, Solid, White, 24"
- A Standard Drum (STF 801-TCDV-01)
- B Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

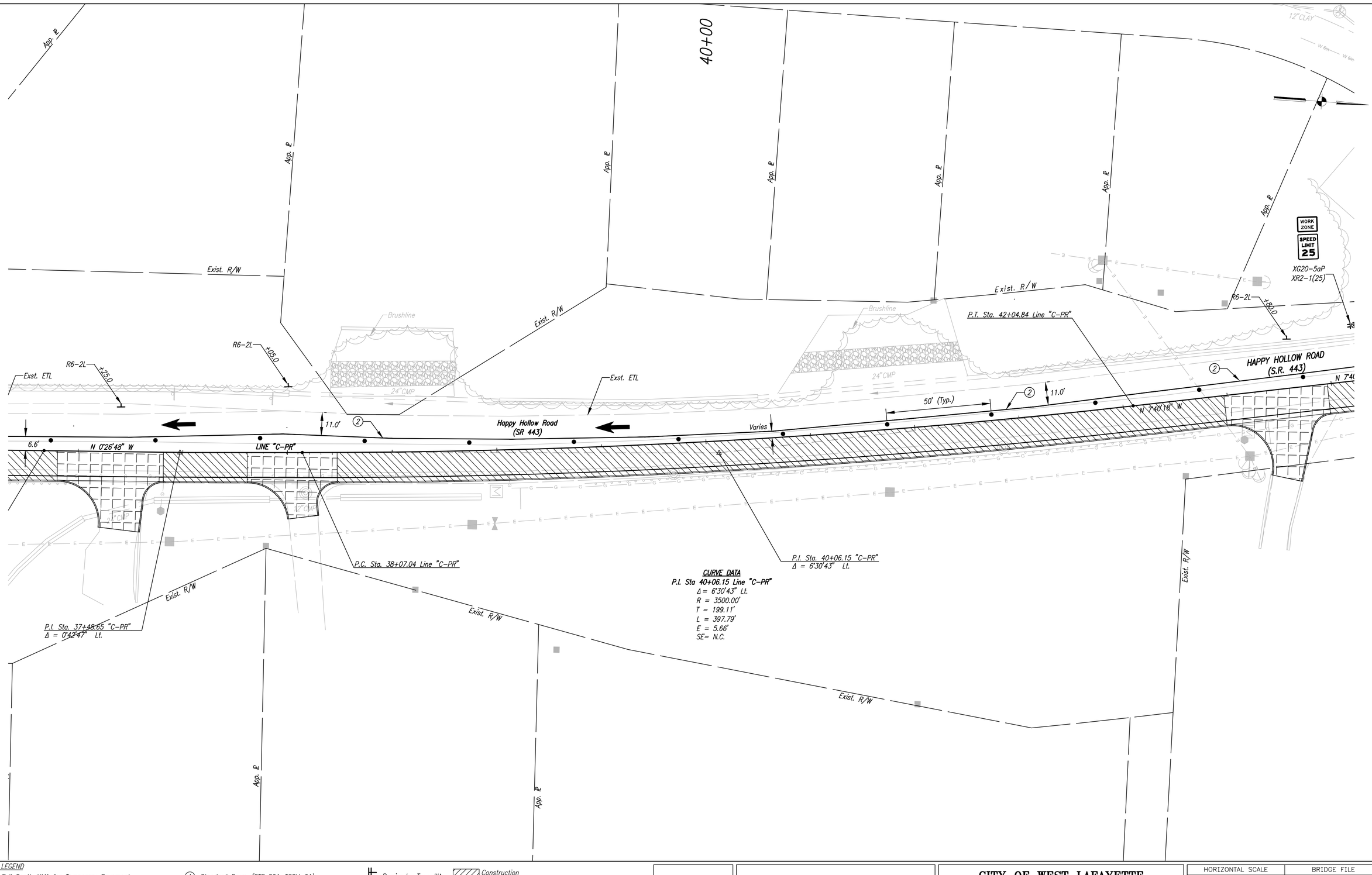
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	40 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	41 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C351 10-4011\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

45+00

App. ℄

Hollowood Drive

P.T. Sta. 11+00.23 Line "S-3-A"

P.C. Sta. 10+43.34 Line "S-3-A"

P.T. Sta. 11+37.39 Line "S-4-A"

P.C. Sta. 10+90.75 Line "S-4-A"

P.O.C. 47+02.32 "C-PR"=
P.O.T. 10+00.00 Line "S-4-A"

Laurel Drive

"S-4-A"
N 78°09'58" W

"S-3-A"
S 82°19'42" W

WORK ZONE
SPEED LIMIT 25

XG20-5aP
XR2-1(25)

R6-2L +80.0

R6-2L +48.0

R6-2L +50.0

R3-2

Exist. R/W

Exst. ETL

14.0'

12.0'

11.0'

50' (Typ.)

HAPPY HOLLOW ROAD
(S.R. 443)

N 74°40'18" W

Varies

R6-2R +80.00

P.I. Sta. 46+00.29 "C-PR"
Δ = 13°41'27" Rt.

P.C. Sta. 44+20.22 Line "C-PR"

P.O.T. 44+18.85 "C-PR"=
P.O.T. 10+00.00 Line "S-3-A"

P.T. Sta. 47+78.64 Line "C-PR"

12"CLAY

6"CLAY

(CONNECTION UNKNOWN)

Concrete

LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	42 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-40\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

50+00

App. ℄

Glenn Court

"S-5-A"
S 89°54'39" W

"S-6-A"
N 89°28'16" W

Thornbush Drive

6" CLAY

12" CLAY

8" CLAY

P.O.T. 50+90.53 "C-PR"=
P.O.T. 10+00.00 Line "S-5-A"

P.C. Sta. 52+36.05 Line "C-PR"

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

WORK ZONE
SPEED LIMIT 25

XG20-5aP
XR2-1(25)

R3-2

R6-2L

+47.0

+39.0

+65.0

Exist. R/W

Exst. ETL

11.0'

50' (Typ.)

Varies

LINE "C-PR"

N 6°01'09" E

5.9'

+19.0

+77.0

R6-2R

P.T. Sta. 47+78.64 Line "C-PR"

Section Line

(CONNECTIO

CURVE DATA

P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" LT.
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS
DRAWN: DJZ
CHECKED: BJP
CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	43 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

55+00

App. ℄

Thornbush Drive

"S-6-A"
N 89°28'46" W

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

R3-2

Exist. R/W

Pathway Lane

"S-7-A"
N 89°21'17" W

6"CLAY

8"CMP

24"CMP

12"CMP

Exst. ETL

R6-2L +60.0

11.0'

5.9'

50.0' (Typ.)

N 2°57'06" W
335.09

Varies

R6-2R +65.0

R6-2R +55.0

R6-2R +50.0

R6-2R +40.0

12"CLAY
(CONNECTION UNKNOWN)

P.O.T. 55+67.82 "C-PR"=
P.O.T. 10+00.00 Line "S-7-A"

P.C. Sta. 58+84.28 Line "C-PR"

P.I. Sta. 55+49.20 Line "C-PR"

P.I. Sta. 53+92.95 "C-PR"
Δ = 8°58'15" XX.

CURVE DATA
P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" LT.
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	44 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\(CSD) 10-4011\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

60+00

App. ℄

App. ℄

8"CLAY

Exist. R/W

WORK ZONE
SPEED LIMIT 25

R6-2L

+45.0

XG20-5aP
XR2-1(25)

R3-2

R6-2L

+60.0

18"CMP

24"CMP

Knox Drive

S 80°35'09" W

S 63°41'44" W

"S-8-A"

Exist. R/W

8"PVC

12"CLAY

12"RCP

P.T. Sta. 11+24.25 Line "S-8-A"

P.C. Sta. 10+70.91 Line "S-8-A"

P.O.C. 61+98.98 "C-PR"=
P.O.T. 10+00.00 Line "S-8-A"

R6-2L

+65.0

R6-2L

+75.0

Exist. R/W

Ex. ETL

11.0'

2

N 31°24'10" W

Exist. R/W

Exist. R/W

+40.0

R6-2R

Varies

11.0'

Ex. ETL

2

50.0' (Typ.)

R = 1900.00'

P.C. Sta. 58+84.28 Line "C-PR"

+60.0

R6-2R

8"PVC

6"PVC

Exist. R/W

Exist. R/W

P.T. Sta. 63+31.19 Line "C-PR"

App. ℄

App. ℄

App. ℄

App. ℄

P.I. Sta. 61+12.44 "C-PR"
Δ = 28°27'04" Lt.

CURVE DATA
P.I. Sta 61+12.44 Line "C-PR"
Δ = 28°27'04" Lt.
R = 900.00'
T = 228.16'
L = 446.91'
E = 28.47'
SE= N.C.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	45 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-4011\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

65+00

70+00

App. ℄

12"CLAY

12"RCP

Exist. R/W

R6-2L

+95.0

Exst. ETL

50.0' (Typ.)

11.0'

Varies

Line "C-PR"

N 31°24'10" W

WORK ZONE

SPEED LIMIT 25

XC20-5aP

XR2-1(25)

R6-2L

+10.10

R3-2

1.5"CPP

R6-2R

+00.0

11+69

Chippewa Street

Line "S-9-A"

S 58°35'50" W

11+00

10+00

8"CLAY

8"CPP

8"PVC

Exist. R/W

P.O.T. 69+13.38 Line "C-PR" =
P.O.T. 10+00.00 Line "S-9-A"

App. ℄

LEGEND

(T1) Full Depth HMA for Temporary Pavement

(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)

(1) Temp. Pavement Marking, Removable, Solid, White, 4"

(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"

(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)

(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)

X Line, Remove

Drums

Vertical Panels

Barricade, Type IIIA

Direction of Traffic

Temp. Widening

Construction Area

Construct Under Traffic

Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	46 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\(CSD) 10-4011\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

CURVE DATA
P.I. Sta 74+65.92 Line "C-PR"
Δ = 13°51'33" Lt.
R = 996.23'
T = 121.08'
L = 240.97'
E = 7.33'
SE= N.C.

LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	47 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

75+00

App. ℄

Exist. R/W

+62.0 — R6–2L

End Project
P.T. Sta. 75+85.81 Line "C–PR"

WORK ZONE
SPEED LIMIT 25

XG20–5aP
XR2–1(25)

SPEED LIMIT 25

XW3–5

ROAD CONSTRUCTION AHEAD

XW20–1

END ROAD WORK

XG20–2a

ROAD CONSTRUCTION AHEAD

XW20–1

Happy Hollow Road
(S.R. 443)

N 45°15'43" W

N 45°15'43" W

Soldiers Home Road

12" CMP

8" CLAY
(CONDITION UNKNOWN)

Exist. R/W

END ROAD WORK

XG20–2a

P.I. Sta. 74+65.92 "C–PR"
Δ = 13°51'33" Lt.

CURVE DATA
P.I. Sta 74+65.92 Line "C–PR"
Δ = 13°51'33" Lt.
R = 996.23'
T = 121.08'
L = 240.97'
E = 7.33'
SE= N.C.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (4) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801–TCDV–01)
- (B) Standard Cone, 3'–6" Height (STD 801–TCDV–01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

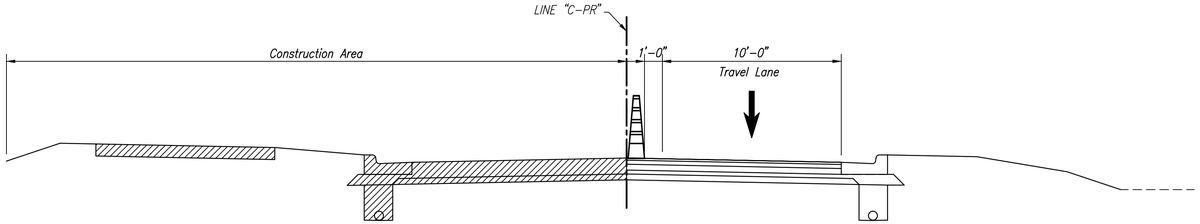
DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

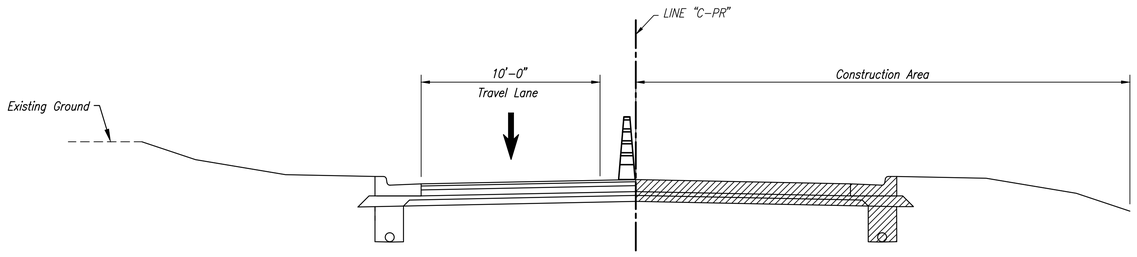
MAINTENANCE OF TRAFFIC DETAILS PHASE VI – LINE "C–PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	48 of 174
CONTRACT	PROJECT
R–32947	0900002

File Name: P:\C3D\ 10–401\Road\Dwg\Plans\MOT Detail C–PR PH 6.dwg Plot Date: 12/16/2013 Plotted By: Zeb, David



PHASE 7, LINE "C–PR"
Sta. 20+33.96 to 75+85.51



PHASE 7, LINE "C–PR"
Sta. 11+75.00 to 18+87.14

LEGEND

(T1) Full Depth HMA for Temporary Pavement
(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Broken, White, 4"
(A) Standard Drum (STF 801–TCDV–01)
(B) Vertical Panel, 3'–0" min. Height (STD 801–TCDV–01)
(E) Existing Edge of Travel Lane
Direction of Traffic
X Line, Remove
Construction Area
Temp. Widening
Temp. Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

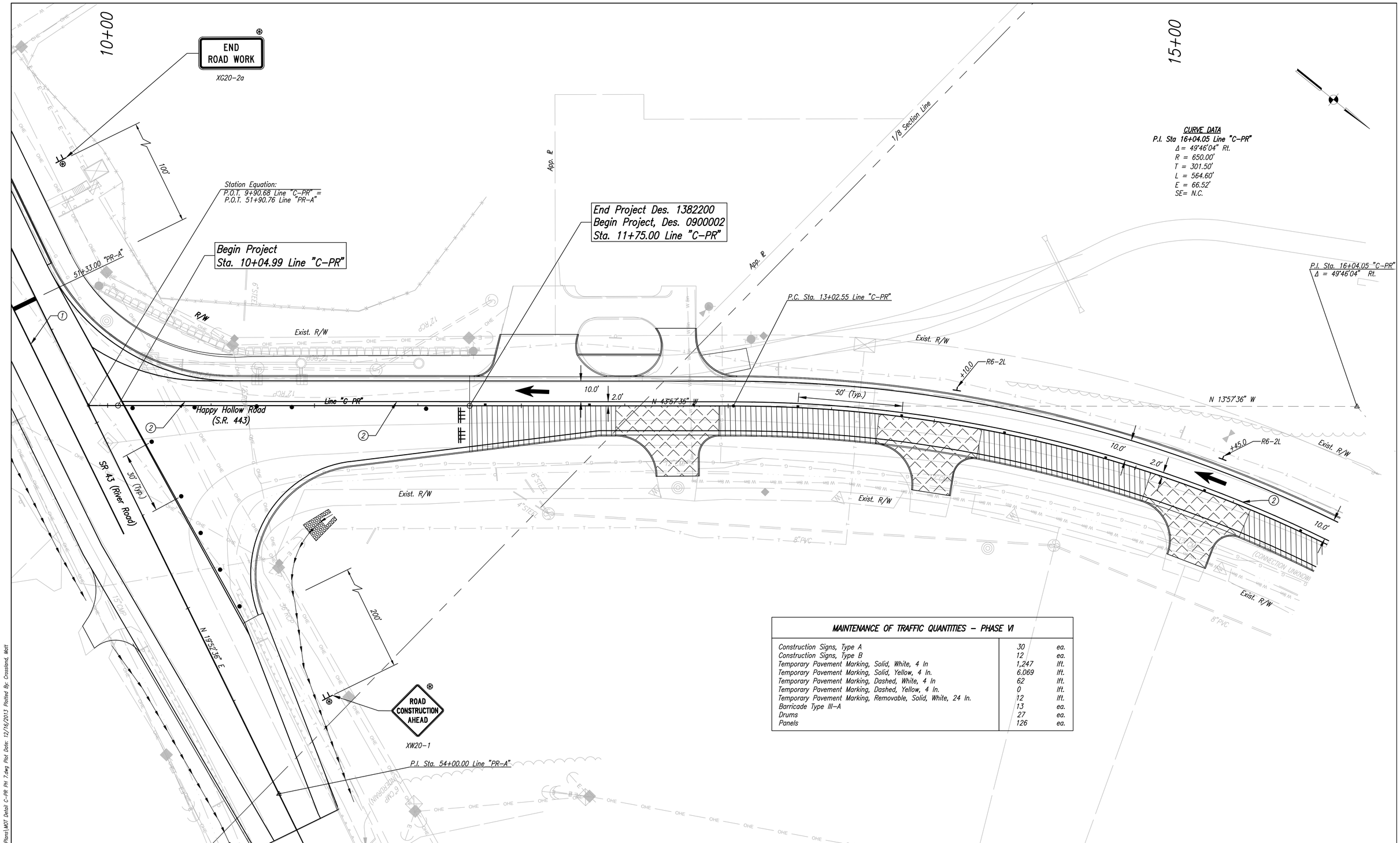
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC TYPICALS PHASE VII

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	1382200
SURVEY BOOK	SHEETS
–	49 of 174
CONTRACT	PROJECT
R–32947	1382200

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT TypSect.dwg Plot Date: 12/16/2013 Plotted By: Zale, David



MAINTENANCE OF TRAFFIC QUANTITIES – PHASE VI		
Construction Signs, Type A	30	ea.
Construction Signs, Type B	12	ea.
Temporary Pavement Marking, Solid, White, 4 In	1,247	lft.
Temporary Pavement Marking, Solid, Yellow, 4 In.	6.069	lft.
Temporary Pavement Marking, Dashed, White, 4 In	62	lft.
Temporary Pavement Marking, Dashed, Yellow, 4 In.	0	lft.
Temporary Pavement Marking, Removable, Solid, White, 24 In.	12	lft.
Barricade Type III-A	13	ea.
Drums	27	ea.
Panels	126	ea.

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- ● Drums
- ■ Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

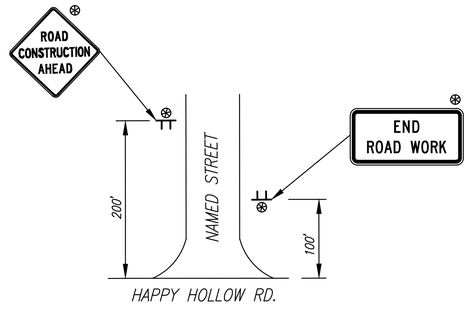
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	50 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



Intersection Sight Detail

Typical for all Named Streets

* *Distances measured from back of Approach work if Street approach Constructed in this Phase.*

20+00

P.I. Sta. 16+04.05 "C-PR"
Δ = 49°46'04" Rt.

N 5°48'29" E

P.T. Sta. 18+67.14 Line "C-PR"

P.O.T. 20+71.07 "C-PR"=
P.O.T. 10+00.00 Line "S-1-A"

Happy Hollow Road
(SR 443)

R6-2L

R3-1

50.0' (Typ.)

10.0'

2.0'

14' Lane Shift

38.0'

"S-1-A"
S 88°25'57" E

CATHERWOOD DRIVE

(CONNECTION UNKNOWN)

GAS METER

Exist. R/W

App. R/W

18"RCP

24"RCP

8"PVC

8"STEEL

15"CMP

12"RCP

WM

OHE

G

E

W

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- ● Drums
- ■ Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

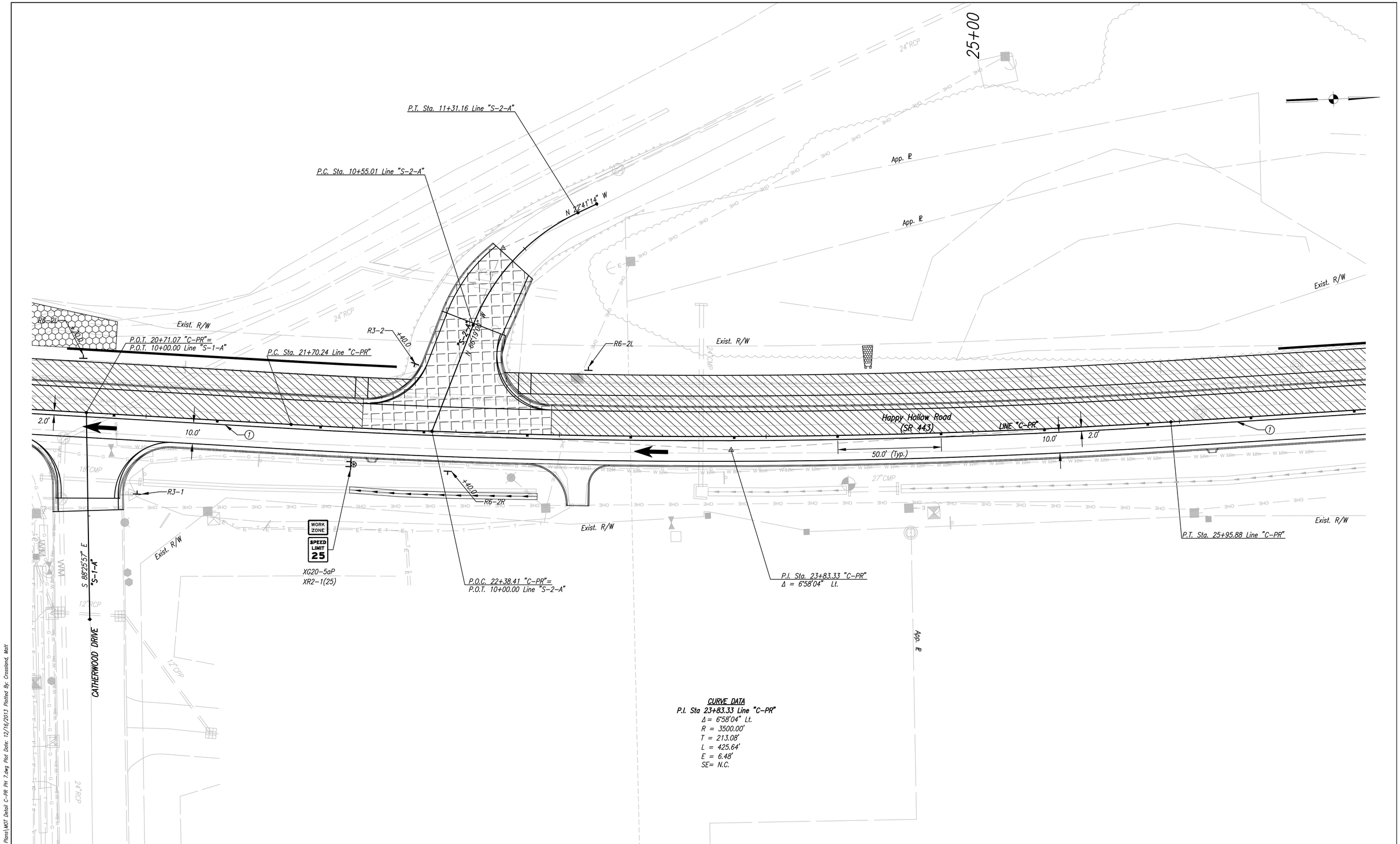
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	51 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- ● Drums
- ■ Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

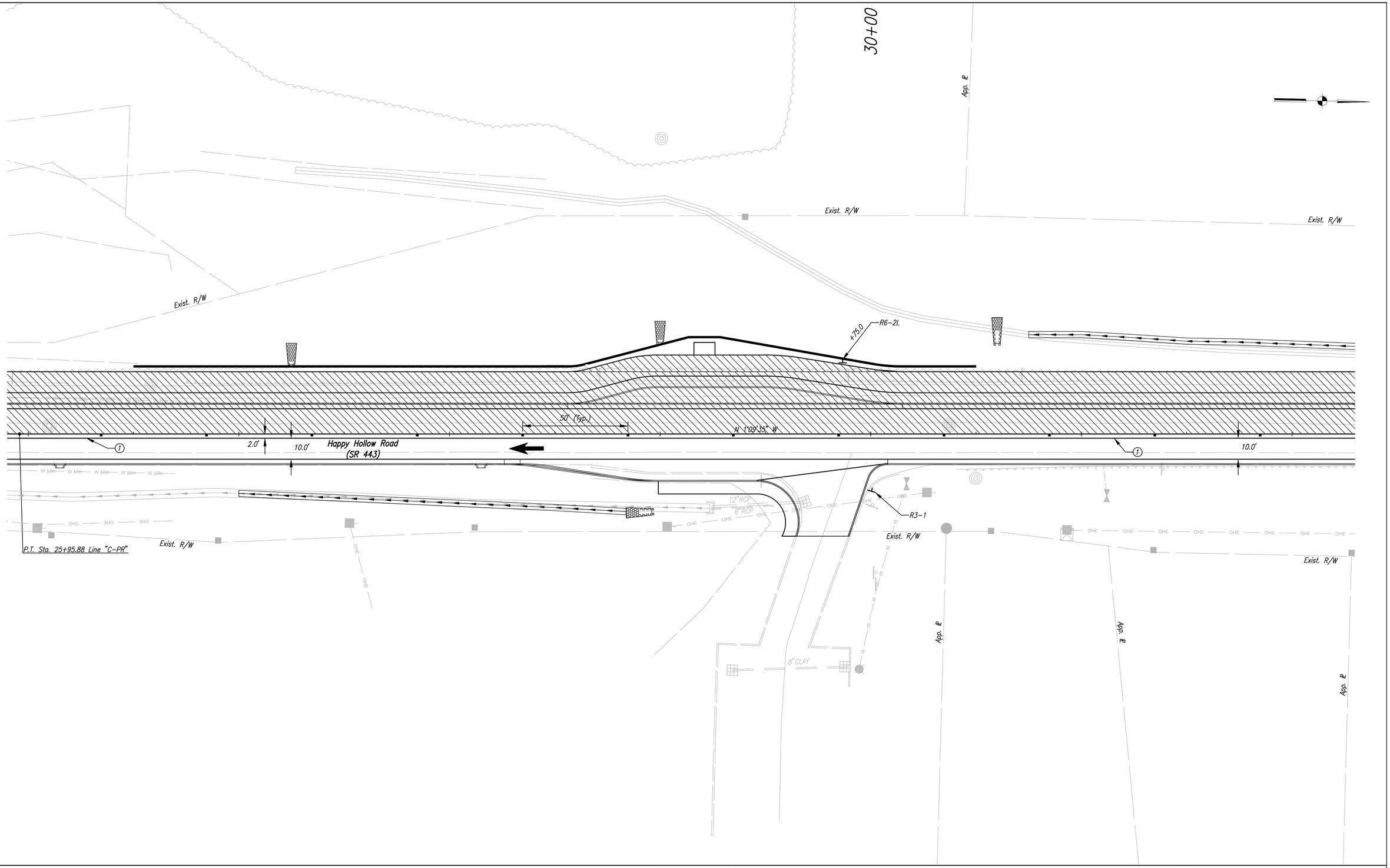
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	52 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



LEGEND

- T_1 Full Depth HMA for Temporary Pavement
- T_2 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- 1 Temp. Pavement Marking, Removable, Solid, White, 4"
- 2 Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- 3 Temp. Pavement Marking, Removable, Solid, White, 24"
- A Standard Drum (STF 801-TCDV-01)
- B Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	53 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

35+00

App. ℄

App. ℄

Exist. R/W

Exist. R/W

Exist. R/W

P.I. Sta. 32+95.28 Line "C-PR"
Δ = 0°31'00" Lt.

P.C. Sta. 34+32.58 Line "C-PR"

P.I. Sta. 35+58.15 "C-PR"
Δ = 1°13'47" Rt.

R6-2L

+90.0

R6-2L

+40.0

R6-2L

+20.0

50' (Typ.)

Line "C-PR"

N 1°40'33" W

N 0°26'48" W

10.0'

2.0'

2.0'

10.0'

10.0'

Happy Hollow Road
(S.R. 443)

12" CMP

24" CMP

P.T. Sta. 36+83.71 Line "C-PR"

OHE

WORK ZONE

SPEED LIMIT 25

XG20-5aP
XR2-1(25)

P.I. Sta. 37+48.65 "C-PR"
Δ = 0°42'47" Lt.

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- ● Drums
- ■ Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

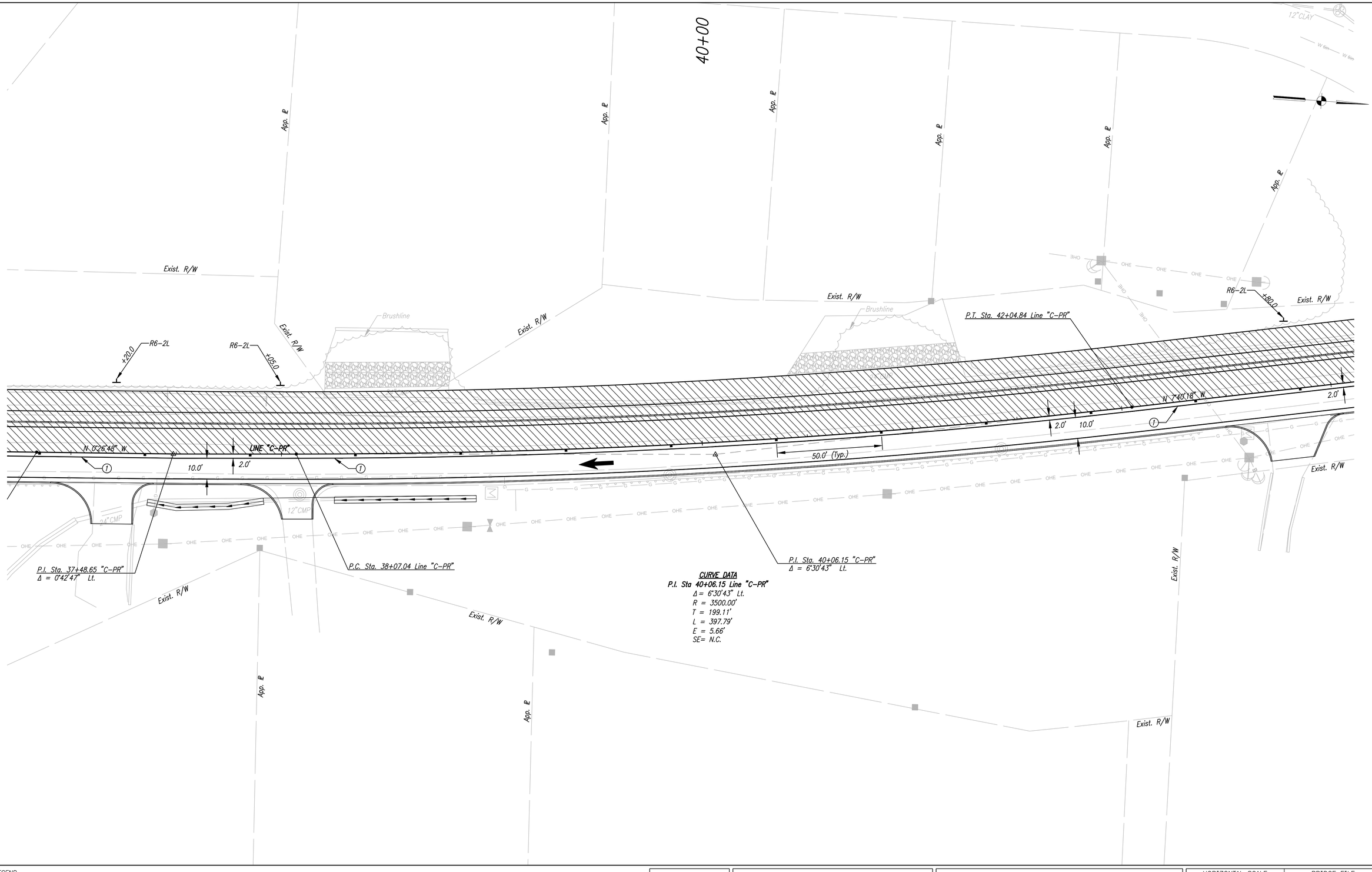
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	54 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Construction Area
- Construct Under Traffic
- Temporary Construction Sign with Warning Light

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	55 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

45+00

P.T. Sta. 11+00.23 Line "S-3-A"

P.C. Sta. 10+43.34 Line "S-3-A"

P.T. Sta. 11+37.39 Line "S-4-A"

P.C. Sta. 10+90.75 Line "S-4-A"

P.O.C. 47+02.32 "C-PR"=
P.O.T. 10+00.00 Line "S-4-A"

P.I. Sta. 46+00.29 "C-PR"
Δ = 13°41'27" XX.

P.C. Sta. 44+20.22 Line "C-PR"

P.O.T. 44+18.85 "C-PR"=
P.O.T. 10+00.00 Line "S-3-A"

P.T. Sta. 47+78.64 Line "C-PR"

Hollowood Drive

Laurel Drive

HAPPY HOLLOW ROAD
(S.R. 443)

12"CLAY

12"CLAY
(CONNECTION UNKNOWN)

Exist. R/W

App. ℄

R6-2L ±80.0

R6-2R ±80.0

R3-2

S 82°19'42" W 45.0'

N 7°40'18" W

N 12°09'58" W

50.0' (Typ.)

10.0'

2.0'

WORK ZONE
SPEED LIMIT 25

XG20-5aP
XR2-1(25)

LEGEND

(T1) Full Depth HMA for Temporary Pavement

(T2) 1.5" Surface Milling &
Variable Depth HMA Surface, Type D (Min 165#/Syd)

(1) Temp. Pavement Marking, Removable, Solid, White, 4"

(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"

(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)

(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)

X Line, Remove

● Drums

■ Vertical Panels

Barricade, Type IIIA

Direction of Traffic

Temp. Widening

Temporary Construction Sign with Warning Light

Construction Area

Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS
PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	56 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\ 10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

50+00

Exist. R/W

App. ℄

Glenn Court

8" CLAY

6" CLAY

S 89°54'39" W

P.O.T. 50+90.53 "C-PR"=
P.O.T. 10+00.00 Line "S-5-A"

P.C. Sta. 52+36.05 Line "C-PR"

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

"S-5-A"

"S-6-A"

R6-2L +47.0

R3-2

R6-2L +39.0

R6-2L +63.0

R3-2

LINE "C-PR"

N 6°01'09" E

2.0'

10.0'

1

P.T. Sta. 47+78.64 Line "C-PR"

R6-2R +19.0

R6-2R +36.0

(CONNECTO...

WORK ZONE
SPEED LIMIT 25

XG20-5aP
XR2-1(25)

Section Line

CURVE DATA
P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" LT.
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

LEGEND

(T1) Full Depth HMA for Temporary Pavement
(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)
(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
X Line, Remove
● Drums
■ Vertical Panels

Barricade, Type IIIA
Direction of Traffic
Temp. Widening
Temporary Construction Sign with Warning Light
Construction Area
Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	57 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

55+00

Exist. R/W

Exist. R/W

Exist. R/W

Pathway Lane

Exist. R/W

App. ℄

App. ℄

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

R3-2

S-6-A

Exist. R/W

R3-2

N 89°21'17" W

Exist. R/W

Exist. R/W

S-7-A

LINE "C-PR"

N 2°57'06" W

N 2°57'06" W

2.0'

10.0'

2.0'

10.0'

2.0'

1

Exist. R/W

+36.0

R6-2R

Exist. R/W

12"CLAY
(CONNECTION UNKNOWN)

+55.0

P.T. Sta. 55+49.20 Line "C-PR"

R6-2R

+50.0

R6-2R

P.O.T. 55+67.82 "C-PR"=
P.O.T. 10+00.00 Line "S-7-A"

+48.0

R6-2R

P.C. Sta. 58+84.28 Line "C-PR"

RBM #5

App. ℄

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

CURVE DATA
P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" LT.
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

P.I. Sta. 53+92.95 "C-PR"
Δ = 8°58'15" XX.

LEGEND

(T1) Full Depth HMA for Temporary Pavement
(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)
(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
X Line, Remove
● Drums
■ Vertical Panels

Barricade, Type IIIA
Direction of Traffic
Temp. Widening
Temporary Construction Sign with Warning Light

Construction Area
Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

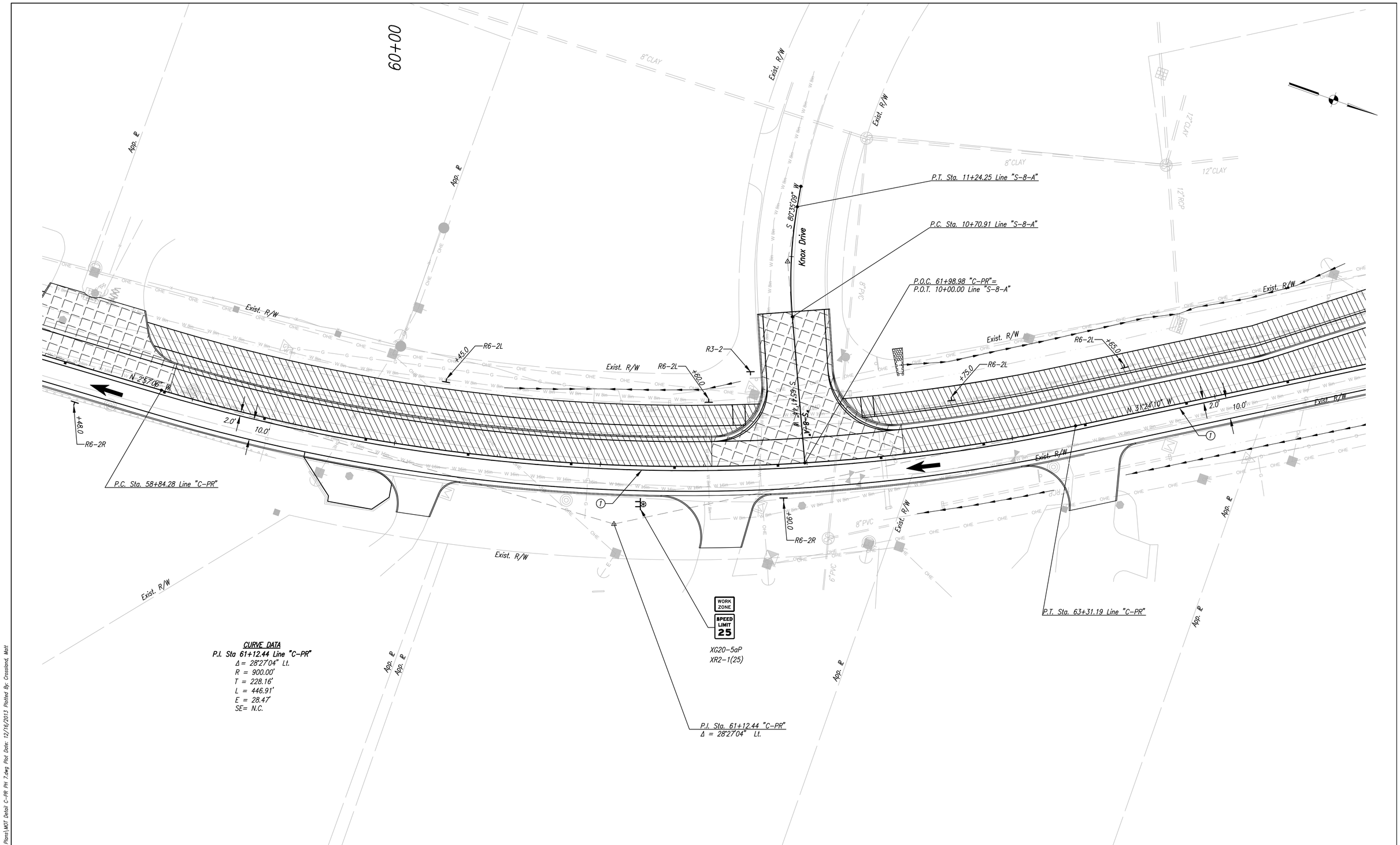
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	58 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Roof\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- Drums
- Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	59 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

65+00

70+00

8"CLAY

12"CLAY

12"RCP

Exist. R/W

Chippewa Street

R6-2L

+95.0

R6-2L

+104.0

R3-2

1.5"CPP

10' W

2.0'

10.0'

Line "C-PR"

N 31°24'10" W

10.0'

2.0'

10.0'

12"CMP

24"CMP

App. ℄

WORK ZONE

SPEED LIMIT 25

XG20-5aP

XR2-1(25)

R6-2R

+00.0

6"CLAY

8"PVC

LEGEND

(T1) Full Depth HMA for Temporary Pavement

(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)

(1) Temp. Pavement Marking, Removable, Solid, White, 4"

(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"

(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801-TCDV-01)

(B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)

X Line, Remove

● Drums

■ Vertical Panels

Barricade, Type IIIA

Direction of Traffic

Temp. Widening

Temporary Construction Sign with Warning Light

Construction Area

Construct Under Traffic

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: SRS

DRAWN: DJZ

CHECKED: BJP

CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	60 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

70+00

75+00

Chippewa Street

Exist. R/W

App. ℄

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

+45.0 R6–2L

R6–2L +62.0

10.0' 2.0'

N 31°24'10" W

10.0'

2.0'

Happy Hollow Road (S.R. 443)

+52.82

Exist. R/W

8"PVC

+78.0 R6–2R

8"PVC

8"PVC

8"PVC

Villefranche Drive

8"CLAY

Exist. R/W

+80.0 R6–2R

12"CMP

Exist. R/W

8"CLAY (CONNECTION UNKNOWN)

P.C. Sta. 73+44.84 Line "C–PR"

P.I. Sta. 74+65.92 "C–PR"
Δ = 13°51'33" Lt.

App. ℄

8"CLAY

CURVE DATA
P.I. Sta 74+65.92 Line "C–PR"
Δ = 13°51'33" Lt.
R = 996.23'
T = 121.08'
L = 240.97'
E = 7.33'
SE= N.C.

LEGEND

(T1) Full Depth HMA for Temporary Pavement
(T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
(1) Temp. Pavement Marking, Removable, Solid, White, 4"
(2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
(3) Temp. Pavement Marking, Removable, Solid, White, 24"

(A) Standard Drum (STF 801–TCDV–01)
(B) Standard Cone, 3'–6" Height (STD 801–TCDV–01)
X Line, Remove
● Drums
■ Vertical Panels

Barricade, Type IIIA
Direction of Traffic
Temp. Widening
Temporary Construction Sign with Warning Light
Construction Area
Construct Under Traffic

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

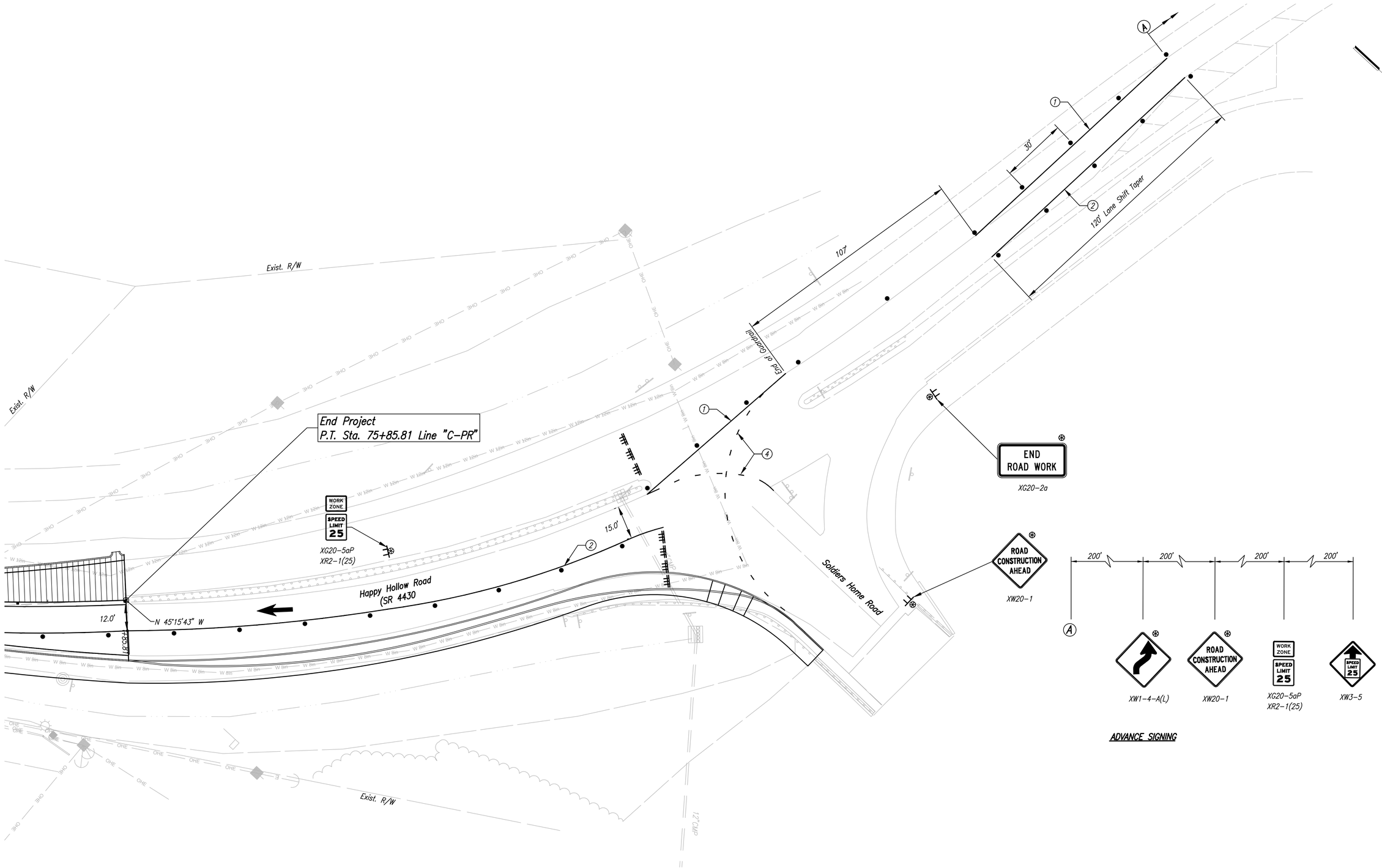
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII – LINE "C–PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	61 of 174
CONTRACT	PROJECT
R–32947	0900002

File Name: P:\C3D\10-4011\Road\Dwg\Plans\MOT Detail C–PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt



ADVANCE SIGNING

LEGEND

- (T1) Full Depth HMA for Temporary Pavement
- (T2) 1.5" Surface Milling & Variable Depth HMA Surface, Type D (Min 165#/Syd)
- (1) Temp. Pavement Marking, Removable, Solid, White, 4"
- (2) Temp. Pavement Marking, Removable, Solid, Yellow, 4"
- (3) Temp. Pavement Marking, Removable, Solid, White, 24"
- (4) Temp. Pavement Marking, Removable, Broken, White, 4"
- (A) Standard Drum (STF 801-TCDV-01)
- (B) Standard Cone, 3'-6" Height (STD 801-TCDV-01)
- X Line, Remove
- ● Drums
- ■ Vertical Panels
- Barricade, Type IIIA
- Direction of Traffic
- Temp. Widening
- Temporary Construction Sign with Warning Light
- Construction Area
- Construct Under Traffic

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

MAINTENANCE OF TRAFFIC DETAILS PHASE VII - LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	62 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\MOT Detail C-PR PH 7.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

Begin Project 090002
End Project 1382200
Sta. 11+75.00 Line "C-PR"

P.O.T. 9+90.68 "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

LINCOLN STREET (UNOPENED)

LOT 6

LOT 1

LOT 2

WL CORP.

+32.61
39.58' Lt.

+32.61
℄ (33.90') Lt.

Temp. R/W for Drive Const.

+84.63
39.58' Lt.

+84.63
℄ (33.63') Lt.

Construction Limits

UTILITY EASEMENT INST. #89-15678

10+00

50+00

RIVER ROAD (S.R. 43)

HAPPY HOLLOW ROAD (S.R. 443)

55' R/W

+55.00 "PR-A"
55.00' Rt.

Construction Limits

+44.21 "PR-A"
55.00' Rt.

CITY OF WEST LAFAYETTE & WEST LAFAYETTE BOARD OF PARK COMMISSIONERS

+00.00 "PR-A"
53.00' Rt.

CITY OF WEST LAFAYETTE & WEST LAFAYETTE BOARD OF PARK COMMISSIONERS

+95.00 "PR-A"
Ex. R/W 40.00' Rt.

Temp. R/W for Drive Const.

+59.83
42.55' Lt.

INDIANA-AMERICAN WATER COMPANY, INC.

+59.83
℄ (34.05') Lt.

+℄ (+89.82)
42.55' Lt.

20' UTILITY EASEMENT

20' U.E.

App. ℄

1/8 Section Line

Temp. R/W for Grading
+89.82
℄ (34.22') Lt.

Ex. R/W

Construction Limits

N43°57'35"W

N5°48'29"E

CITY OF WEST LAFAYETTE, IN
P.I. Sta. 16+04.05 "C-PR"
Δ = 48°46'04" Rt.

15+00

20+00

P.T. Sta. 18+67.14 Line "C-PR"

P.O.T. 20+71.07 "C-PR" =
P.O.T. 10+00.00 Line "S-1-A"

APPROXIMATE LOCATION OF NW. COR. LOT "I" DEPICTED IN T.C.S. REC. BK. "B", PG. 332

Temp. R/W for Drive Const.

P.C. Sta. 21+70.24 Line "C-PR"

+25.00
63.00' Lt.

+25.00
Ex. R/W (43.19')

+80.00
63.00' Lt.

+80.00
Ex. R/W (43.44')

S 22°41'14" W

S 86°13'00" W

S-2-A

S-1-A

Ex. R/W

30' D.&U.E.

35' D.&U.E.

25' U.E.

25' D.&U.E.

30' D.&U.E.

RICHARD L. & KAREN B. SMITH

ZERO 7, LLC.

ERIK J. & ANGELA B. HALVORSON

ZERO 7, LLC.

ZERO 7, LLC.

P.C. Sta. 13+02.55 Line "C-PR"

CATHERWOOD GARDENS PLANNED DEVELOPMENT PHASE ONE

60' EASEMENT FOR DRY RUN (HAPPY HOLLOW DITCH) & PUBLIC UTILITIES

DAMIAN J. & ALISON ALLEN

YI-JEN LEE & JIU-KANG YU

CATHERWOOD DRIVE

P.O.C. 22+38.41 "C-PR" =
P.O.T. 10+00.00 Line "S-2-A"

APPROXIMATE LOCATION OF THE NORTH LINE OF LOT "I" DEPICTED IN T.C.S. REC. BK. "B", PG. 332

Construction Limits

+35.00
Ex. R/W (40.47')
Prop. R/W

+20.00 "PR-A"
67.00' Lt.

+95.00 "PR-A"
Ex. R/W, 54.90' Lt.

P.I. Sta. 54+00.00 Line "PR-A"

15' D.&U.E.

CRAIG L. & SUSAN L. WARDRIP

CATHERWOOD GARDENS PLANNED DEVELOPMENT PHASE TWO
P.C. 11, PG. 292, INST. #05-15292

ZERO 7, LLC.

NOTE: All R/W descriptions from ine "C-PR" unless otherwise noted.

NOTE: For Drive and Street Approach stations and dimensions, see Construction Details
For Existing Alignment "C", see Geometrics Tie-In Sheets

TBM #2 Sta. 16+48.2, 27.3' Rt., Line "C", Elev. 556.67., Cut "□" set in the top southwest corner of a headwall ±27 feet east of the centerline of Happy Hollow Road and ±370 feet north of the centerline of Catherwood Drive.

PVI STA. = 10+59.41
PVI ELEV. = 531.65
V.C. = 95.00'

Storm Sewer Lt.
Plotted 20' Above Datum

31' of 12" Pipe @ 1.86%
23' of 12" Pipe @ 2.00%
31' of 12" Pipe @ 1.02%
70' of 12" Pipe @ 1.96%

+45 529.24
+66 528.82
+70 528.67
+97 528.15
+00 528.00
+28 527.71
+82 527.86
+48 529.17

LOW POINT STA.= 10+98.59
LOW POINT ELEV.= 531.78

-3.43%

52' of 18" Pipe @ 0.48%
27' of 24" Pipe @ 0.40%
130' of 18" Pipe @ 0.25%

+28 526.35
+32 526.47
+82 526.81
+78 526.70

Exist. Ground

54' of 15" Pipe @ 0.30%
59' of 15" Pipe @ 0.31%
54' of 15" Pipe @ 0.30%
83' of 15" Pipe @ 0.31%
+0.30%
Profile Grade

+08 527.14
+12 527.15
+63 527.29
+67 527.31
+23 527.47
+27 527.49
+78 527.63
+82 527.65

Storm Sewer Rt.
Plotted at Datum

Ex. 15" CMp Lt.
526.08
(Plotted 20' Above Datum)

88' of 15" Pipe @ 0.32%
59' of 15" Pipe @ 2.16%
73' of 15" Pipe @ 0.30%

+63 527.89
+67 527.91
+38 528.11
+42 528.13
+28 528.39
+88 529.73

Ex. 15" CMP Rt.
526.08
(Plotted @ Datum)

PVI STA. = 18+25.00
PVI ELEV. = 533.95
V.C. = 200.00'

73' of 12" Pipe @ 1.13%

+92 529.89
+63 530.68

+2.12%

Pr. 16'x6' RCB Rt.
524.85
(Plotted @ Datum)

+76 524.85

+18.71
+28.06

Type 4 CWGS Terminal System

282.50', Lt.

PVI STA. = 21+05.00
PVI ELEV. = 539.88
V.C. = 200.00'

+12 529.88
+18 530.46

185' of 30" Pipe @ 3.71%
31' of 30" Pipe @ 0.80%

+97 537.12
+03 538.33

+15.56
+25.56

Type 2 CWGS Connector System

165' of 12" Pipe @ 4.43%

+98 541.53

Pr. 16'x6' RCB Lt.
527.00
(Plotted 20' Above Datum)

+37 534.38

Storm Sewer Lt.
Plotted 20' Above Datum

Ex. 24" CMP Lt.
534.32
(Plotted 20' Above Datum)

Storm Sewer Rt.
Plotted at Datum

+5.00%

216' of 30" Pipe @ 3.39%

PVI STA. = 24+10.00
PVI ELEV. = 555.13
V.C. = 200.00'

+18 548.78

Ex. 24" CMP Rt.
547.42
(Plotted @ Datum)

Type 1 GRET

+20.92
+52.17

200' Rt.

Type OS GRET

+66.78
+79.28

210.75', Rt.

Type 1 GRET

+98.03
+29.28

Begin Project
Sta. 10+08.49 Line "C-PR"
Elev. 533.24

104 NORTH 89446.096 EAST 3900.725

12"HEADWALL, 15"CMP, CAPPED REBAR SET, 29.3, 28.5, 26" ELM TREE, 15.0, HAPPY HOLLOW ROAD (S.R. 443)

P.I. 8+26.70 "C"

107 NORTH 90223.168 EAST 3987.695

3-3, SW. COR. R/W MARKER, MAG NAIL W/WASHER SET, 31.0, 35.4, 41.5, HAPPY HOLLOW RD. (S.R. 443) CENTER LINE, SW. COR. R/W MARKER, SW. COR. WATER VAULT

P.I. 15+68.82 "C"

LEGEND

(1) Guardrail End Treatment, Type OS

(2) Guardrail, W-Beam, 6'-3" Spacing

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

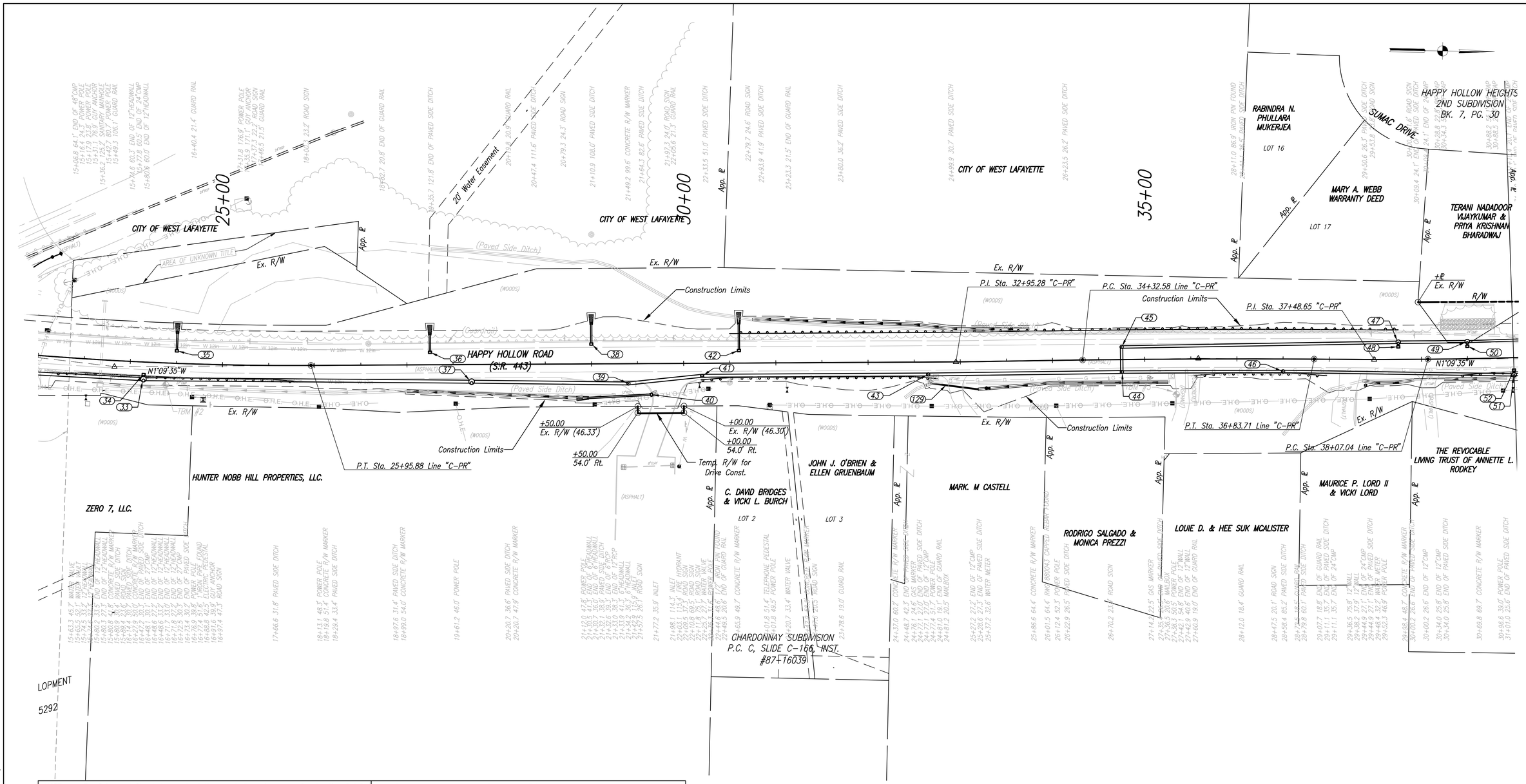
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

PLAN AND PROFILE
LINE "C-PR", 10+04.99 to 23+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	63 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\ 10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: For Drive and Street Approach stations and dimensions, see Construction Details
For Existing Alignment "C", see Geometrics Tie-In Sheets

TBM #3 Sta. 27+42.8, 40.7' Rt., Line "C", Elev. 638.08., Top of the northwest corner of a brick wall along the south side of the drive to 1524 Happy Hollow Road ±42 feet east of the centerline of Happy Hollow Road and ±875 feet south of Fernleaf Drive.

TBM #4 Sta. 36+35.1, 22.9' Lt., Line "C", Elev. 697.96., Indiana State Highway Commission disk in concrete stamped "TIPP C27" ± 5 feet. north of the south end of the island in the intersection of Happy Hollow Raod and Fernleaf Drive.

NOTE: All R/W descriptions from ine "C-PR" unless otherwise noted.

107 NORTH 90223.168 EAST 3987.695
SW. COR. R/W MARKER
MAG NAIL W/WASHER SET
HAPPY HOLLOW RD. (S.R. 443)
SW. COR. R/W MARKER
SW. COR. WATER VAULT
P.I. 15+68.82 "C"

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

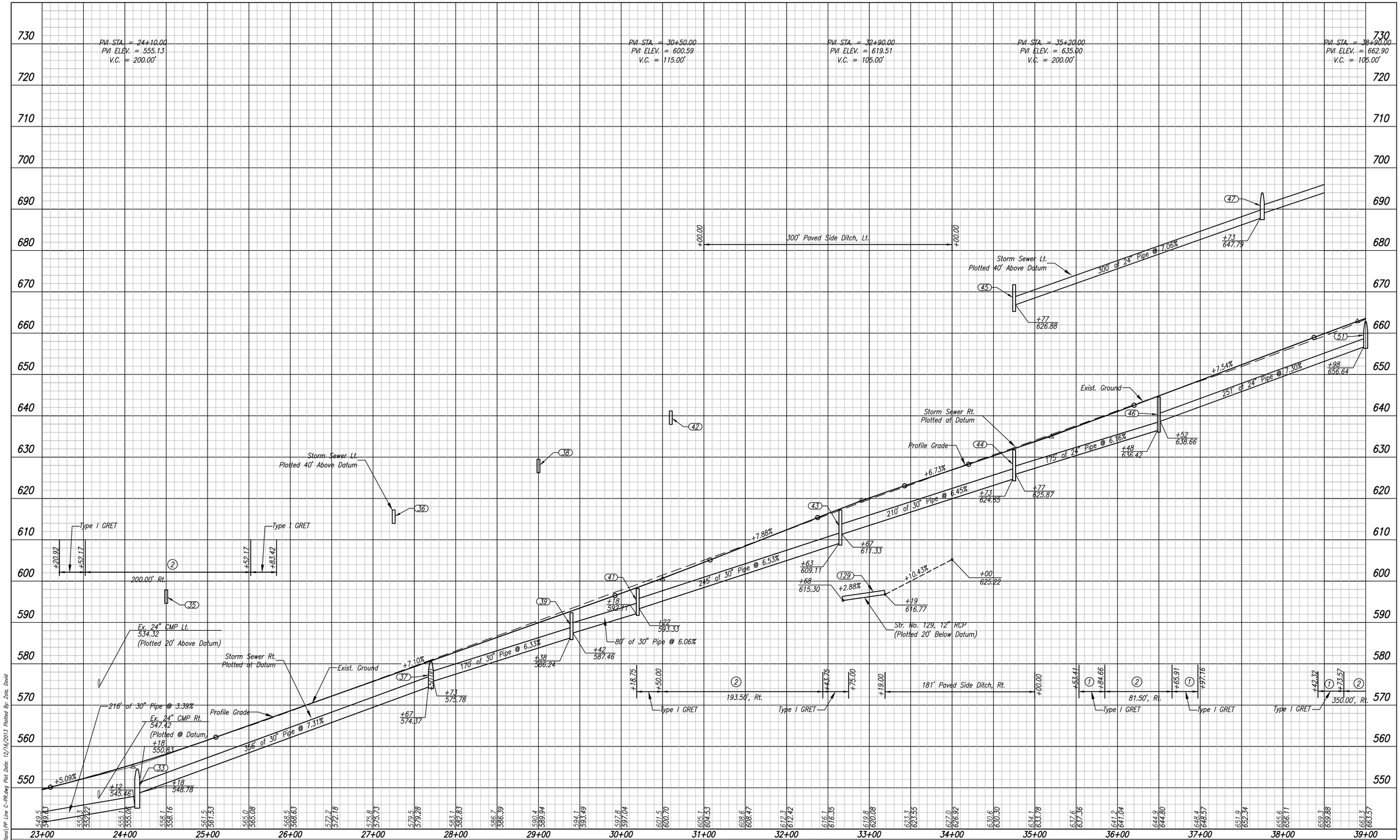
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

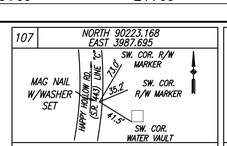
CITY OF WEST LAFAYETTE

PLAN AND PROFILE
LINE "C-PR", 23+50 to 38+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	64 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDD\10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David





LEGEND

1. Guardrail End Treatment, Type OS
2. Guardrail, W-Beam, 6'-3" Spacing

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

PLAN AND PROFILE
LINE "C-PR", 23+50 to 38+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	65 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

LEGEND

1. Guardrail End Treatment, Type OS
2. Guardrail, W-Beam, 6'-3" Spacing

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER ____ DATE

DESIGNED: SRS — DRAWN: DJZ
CHECKED: BJP — CHECKED: BJP

CITY OF WEST LAFAYETTE

PLAN AND PROFILE
LINE "C-PR", 38+50 to 53+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	-
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
-	66 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

NOTE: For Drive and Street Approach stations and dimensions, see Construction Details
For Existing Alignment "C", see Geometrics Tie-In Sheets

TBM #6 Sta. 66+61.7, 37.7' Rt., Line "C", Elev. 728.47., Cut "X" in the west bonnet bolt of a fire hydrant at the south side of the entrance to Whispering Winds ±38 feet northwest of the centerline of Happy Hollow Road and ±200 northwest of the centerline of Villefranche Drive.

NOTE: All R/W descriptions from ine "C-PR" unless otherwise noted.

LEGEND

(1) Guardrail End Treatment, Type OS

(2) Guardrail, W-Beam, 6'-3" Spacing

119 NORTH 93969.949 EAST 3921.768
CONC. DRIVE
CORNER OF CONC. DRIVE TO 2140 HAPPY HOLLOW ROAD
CAPPED REBAR SET
HAPPY HOLLOW ROAD (S.R. 443)
MAG NAIL IN SW. FACE OF PWP.
UNITED CAPPED REBAR
P.I. 53+27.81 "PR#3"

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DESIGN ENGINEER DATE

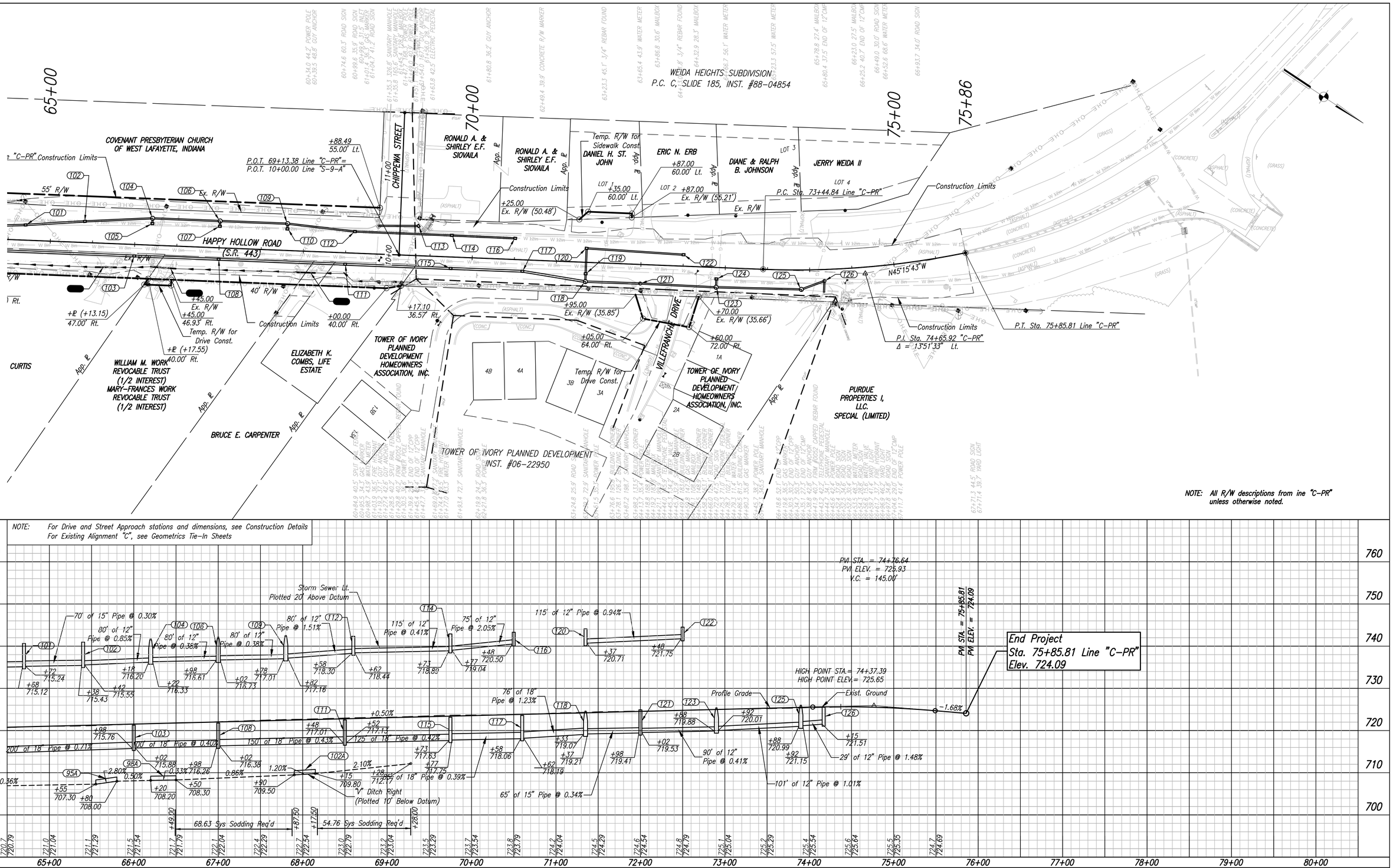
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

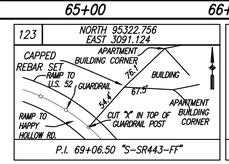
CITY OF WEST LAFAYETTE

PLAN AND PROFILE
LINE "C-PR", 53+50 to 68+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	67 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David





LEGEND

1. Guardrail End Treatment, Type OS
2. Guardrail, W-Beam, 6'-3" Spacing

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: SRS | DRAWN: DJZ

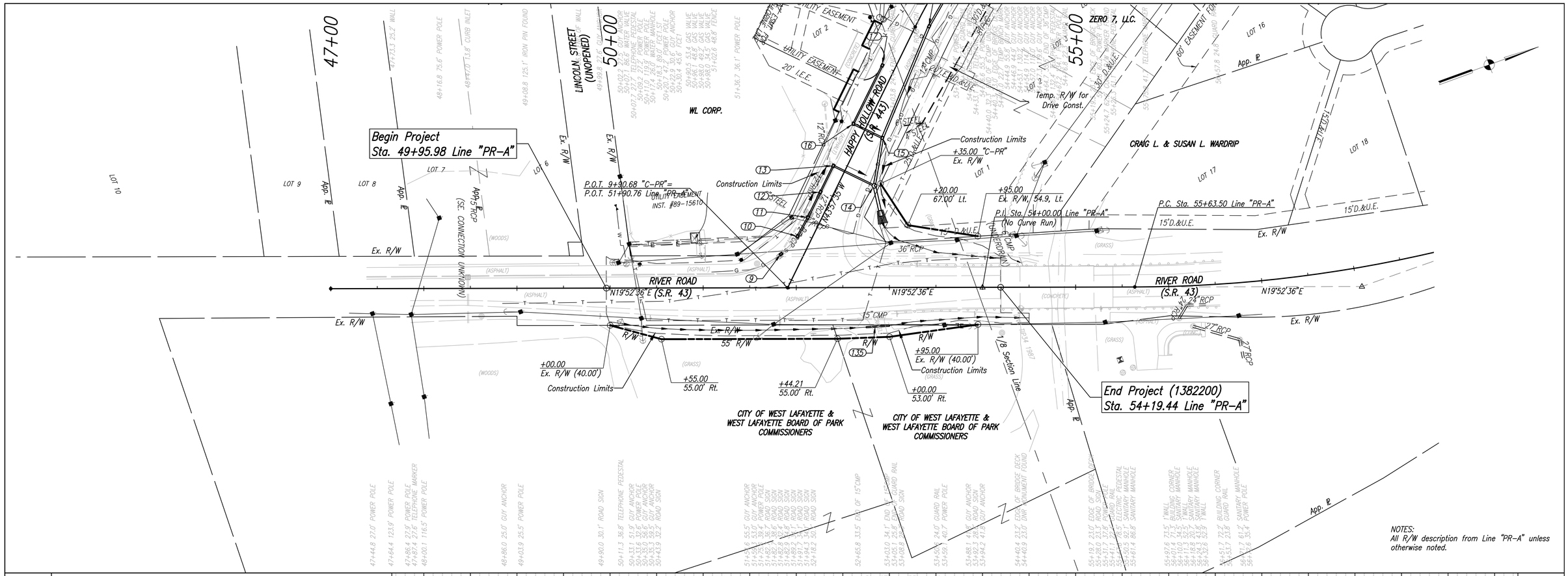
CHECKED: BJP | CHECKED: BJP

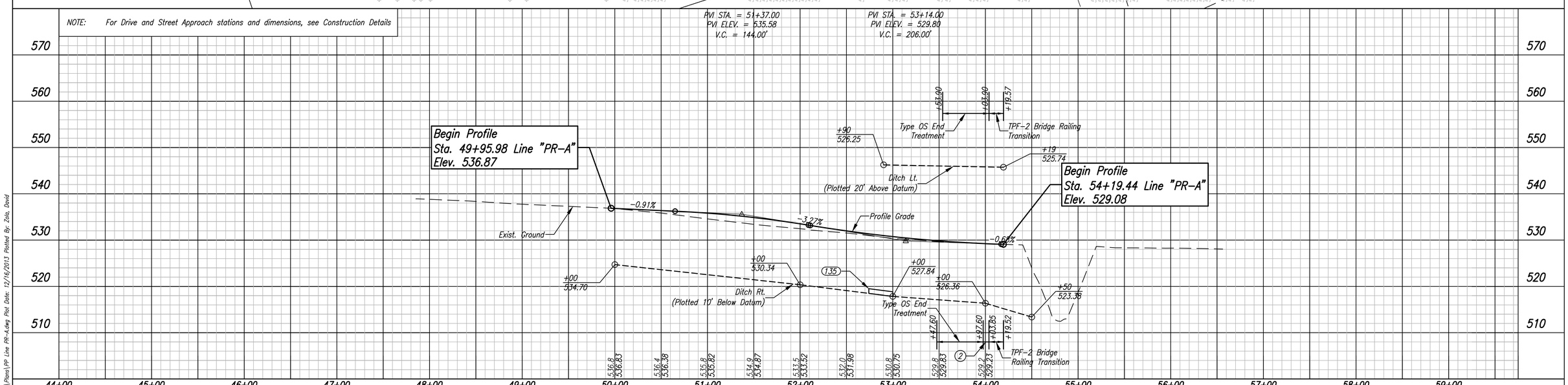
CITY OF WEST LAFAYETTE

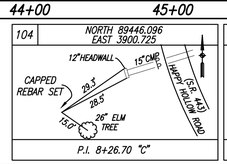
PLAN AND PROFILE
LINE "C-PR", 68+50 to 75+85.81

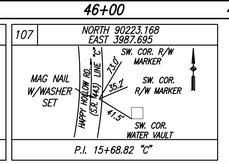
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	68 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\PP Line C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David









LEGEND

1. Guardrail End Treatment, Type OS
2. Guardrail, W-Beam, 6'-3" Spacing

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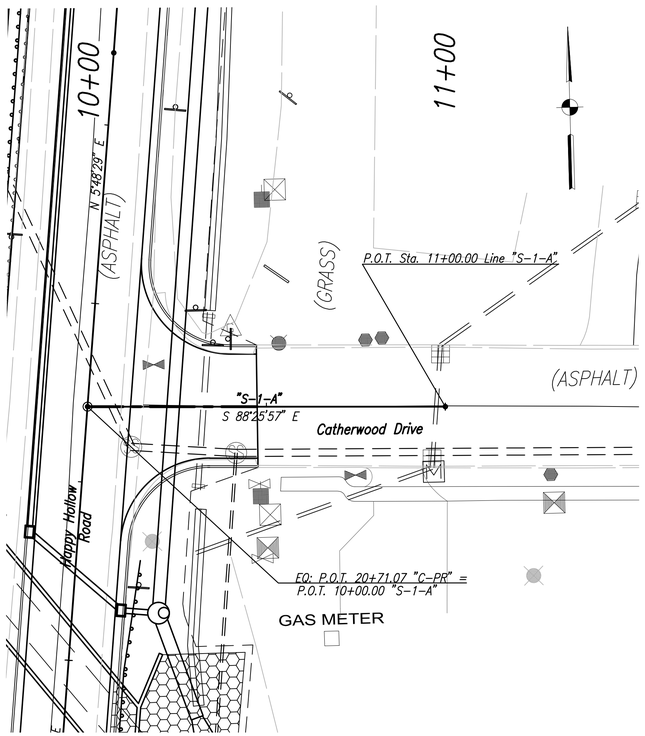
CHECKED: BJP	CHECKED: BJP

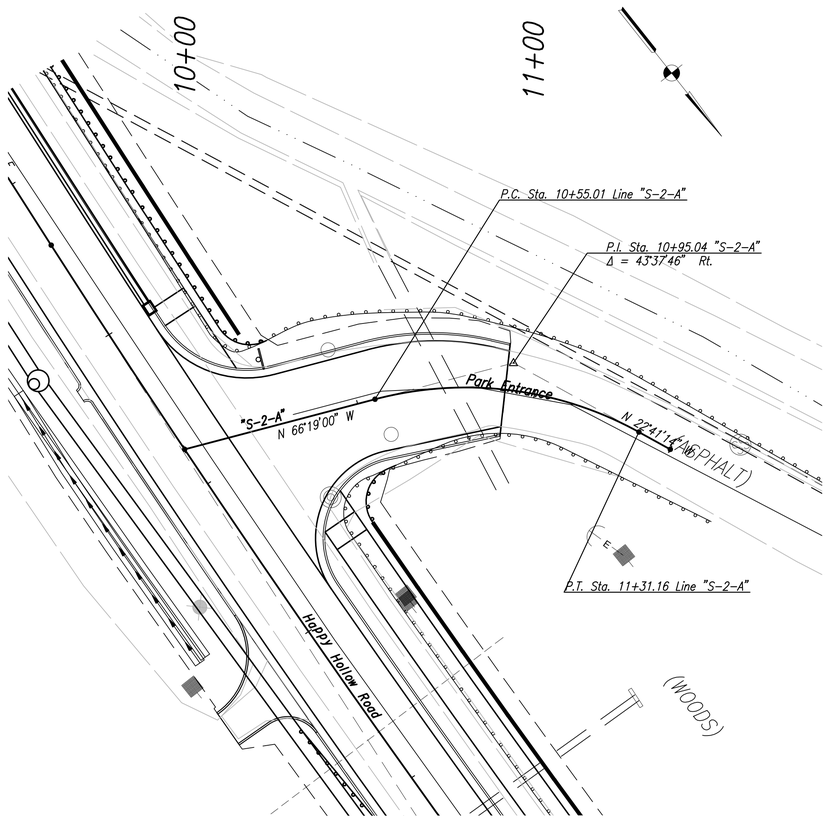
CITY OF WEST LAFAYETTE

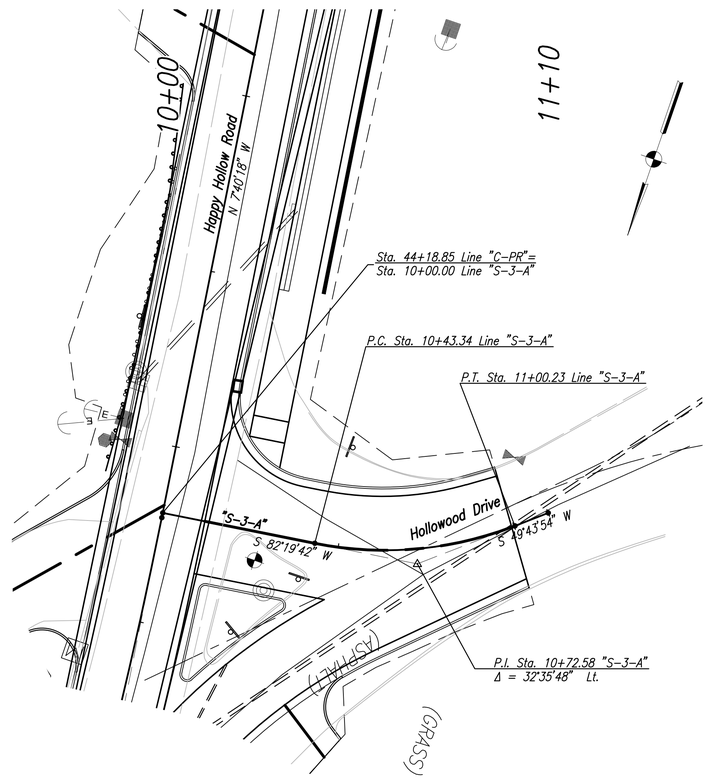
PLAN & PROFILE LINE "PR-A"

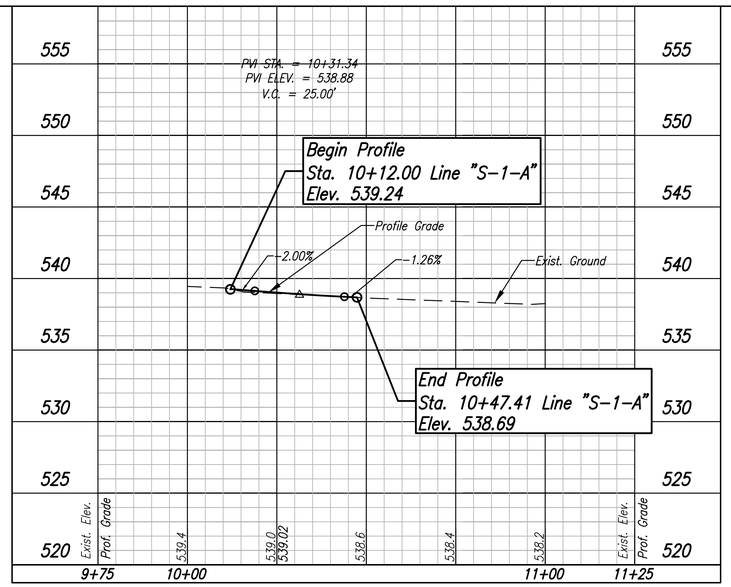
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002/1382200
SURVEY BOOK	SHEETS
–	69 of 174
CONTRACT	PROJECT
R-32947	0900002/1382200

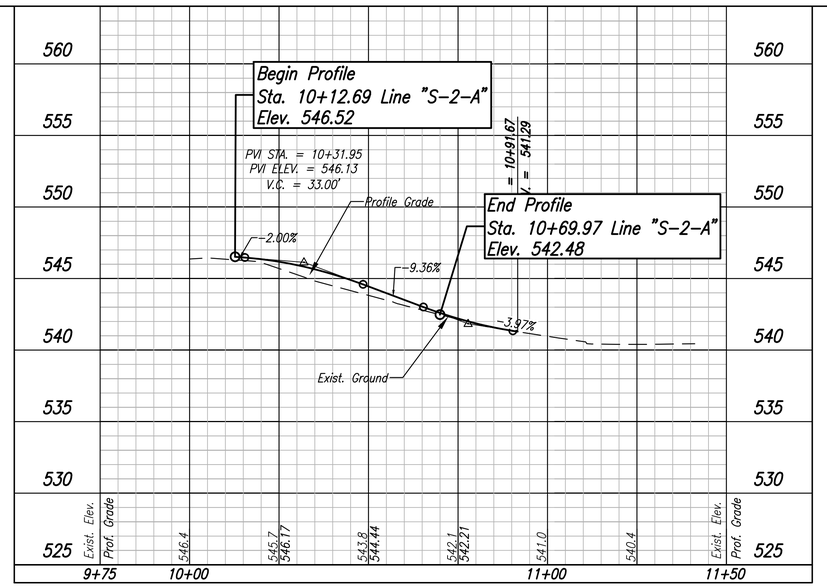
File Name: P:\C3D\10-401\Road\Dwg\Plans\PP Line PR-A.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

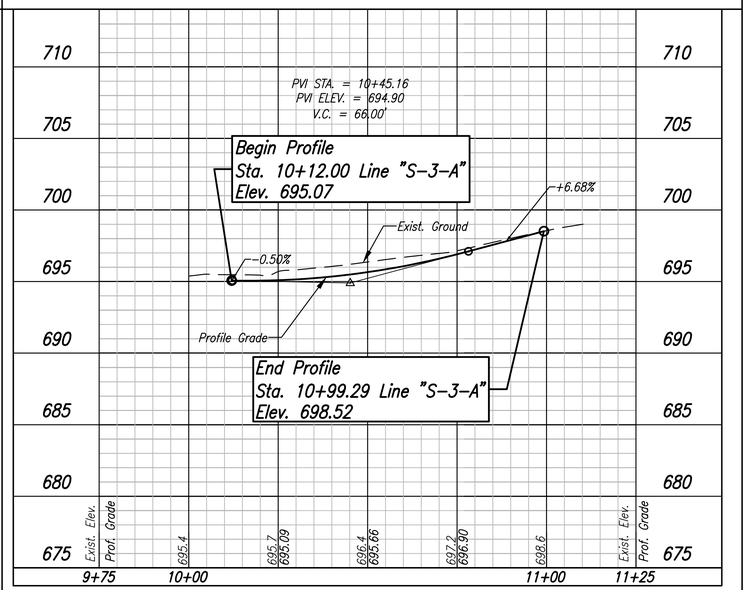












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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

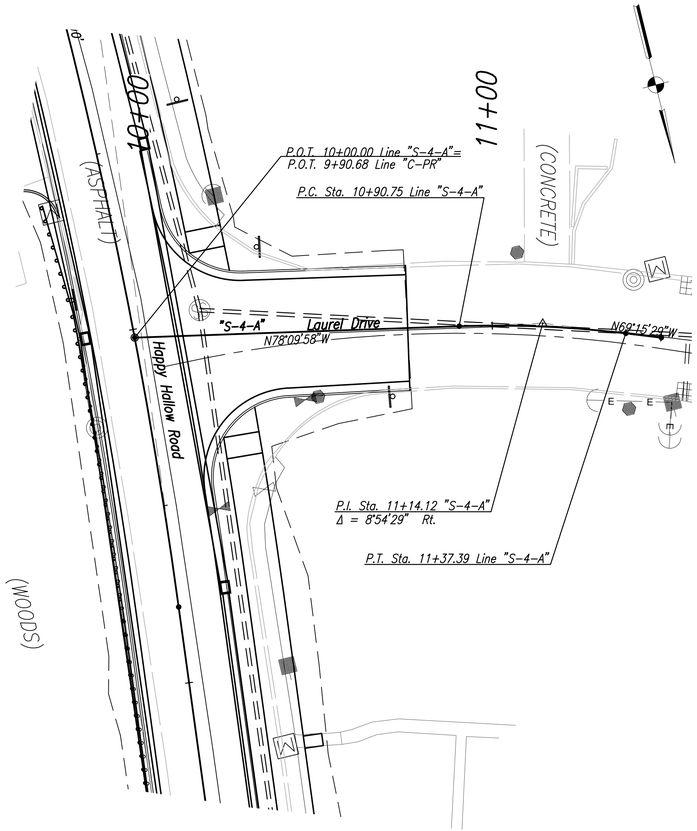
DESIGNED: BWC DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

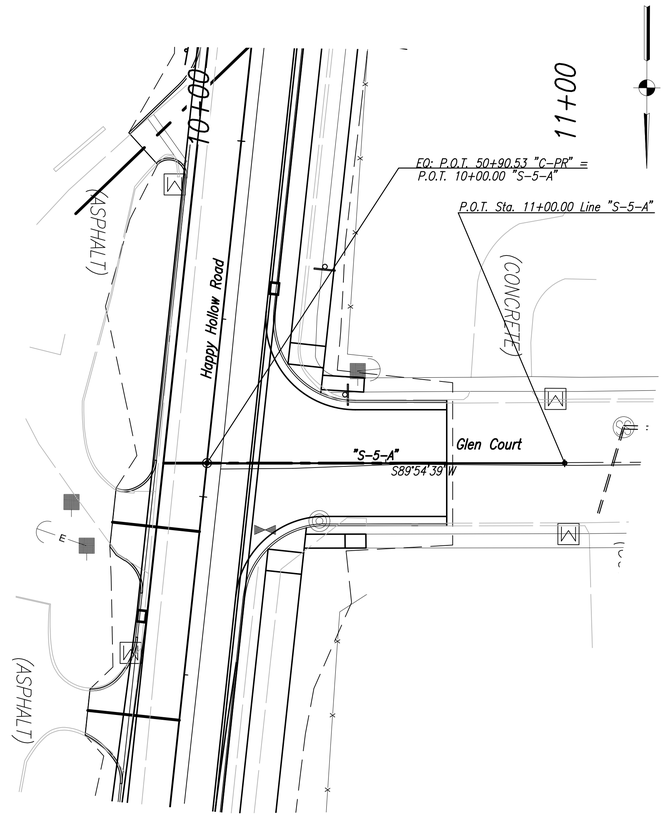
CITY OF WEST LAFAYETTE

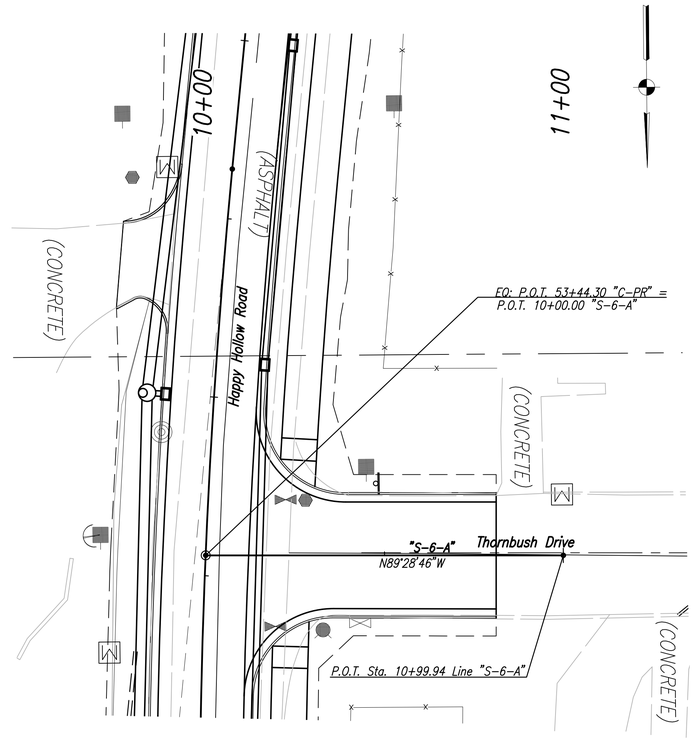
PLAN & PROFILE
LINE "S-1-A", "S-2-A", "S-3-A"

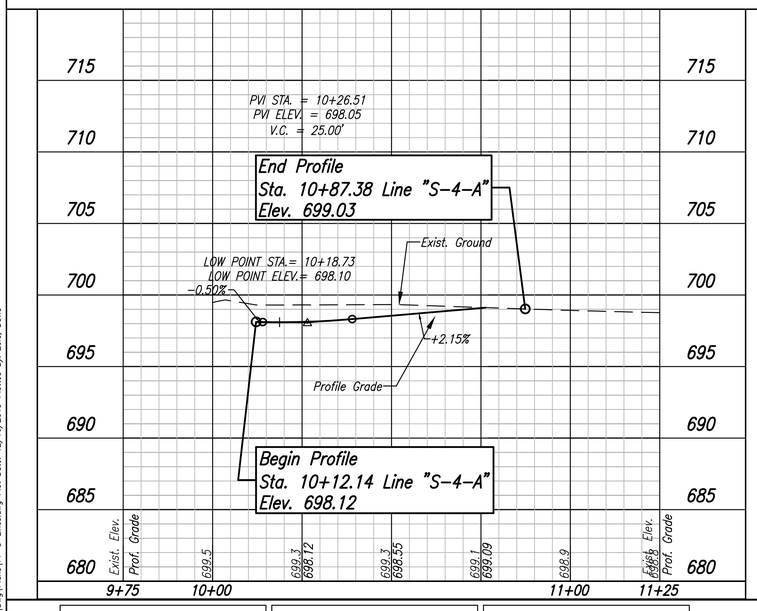
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 5'	0900002
SURVEY BOOK	SHEETS
–	70 of 174
CONTRACT	PROJECT
R-32947	0900002

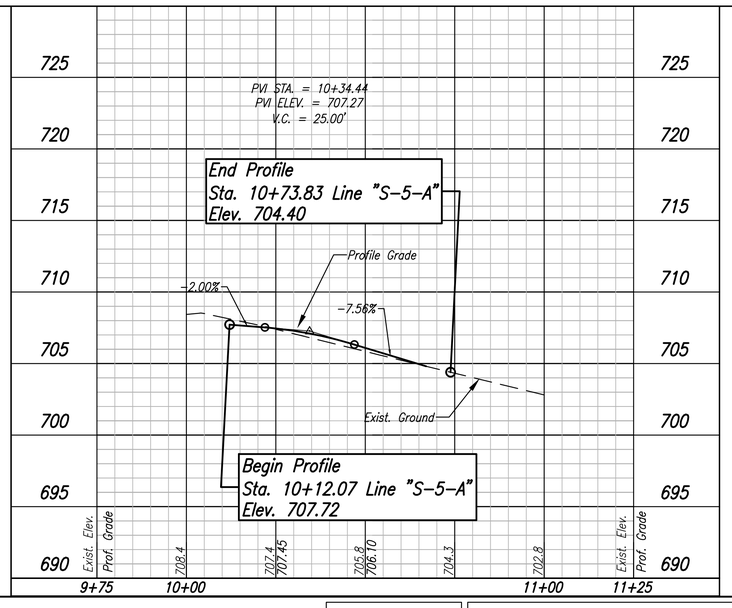
File Name: P:\C3D\10-401\Road\Dwg\Plans\PP S-Lines.dwg Plot Date: 12/16/2013 Plotted By: Zaks, David

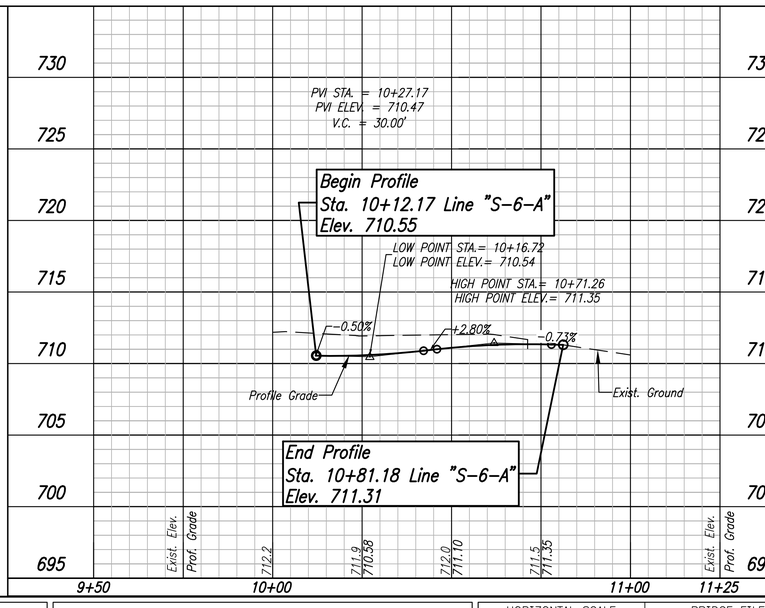












File Name: P:\CSD\10-401\Road\Dwg\Plans\PP S-Lines.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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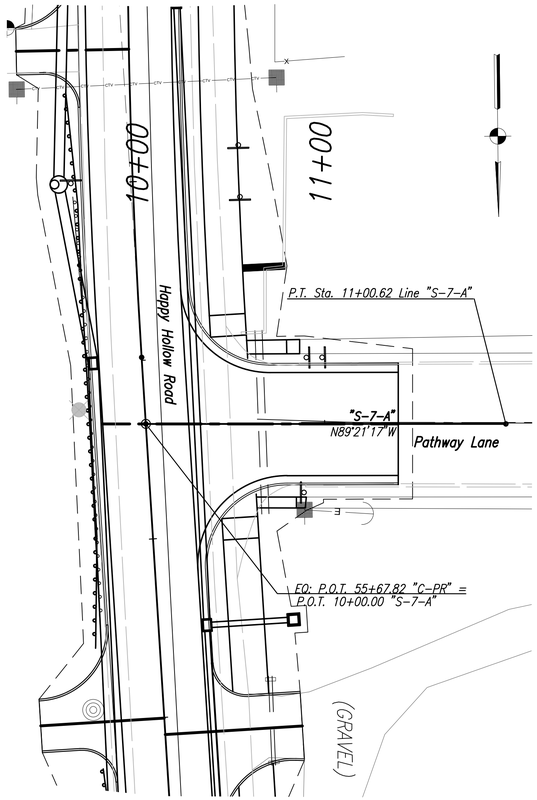
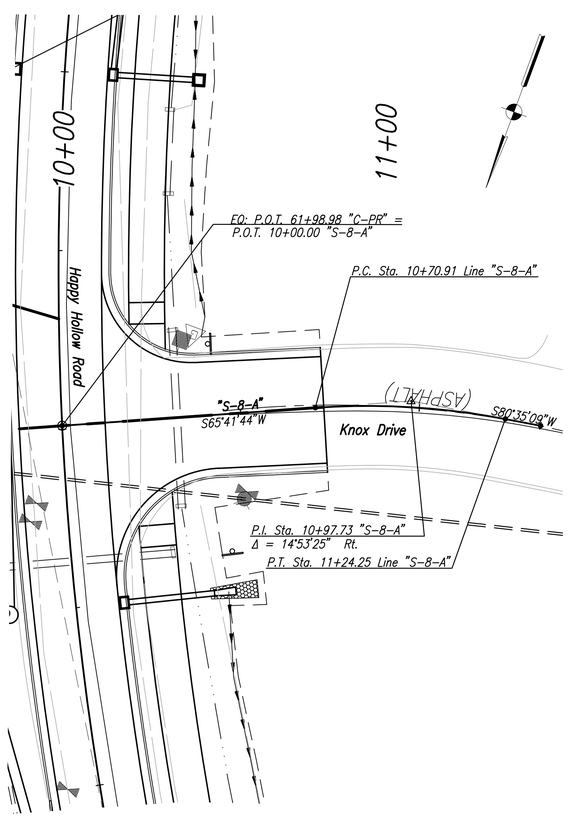
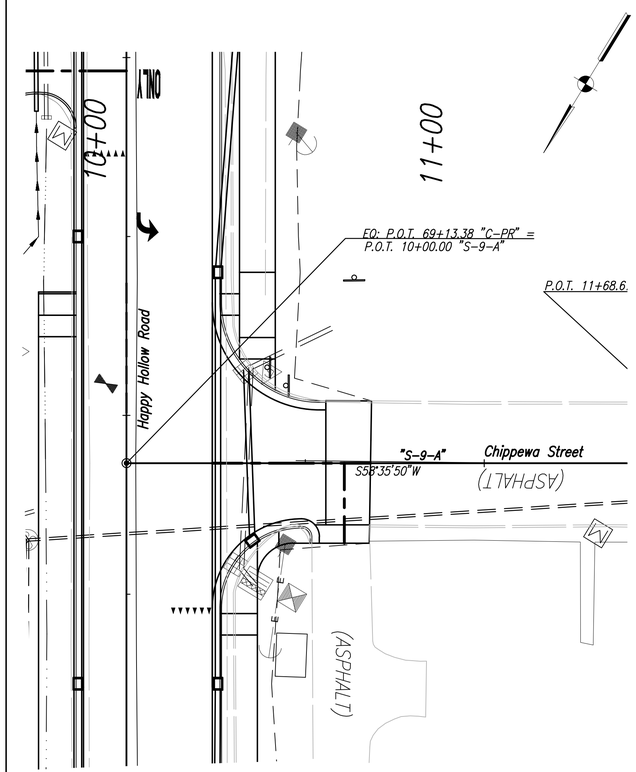
CITY OF WEST LAFAYETTE

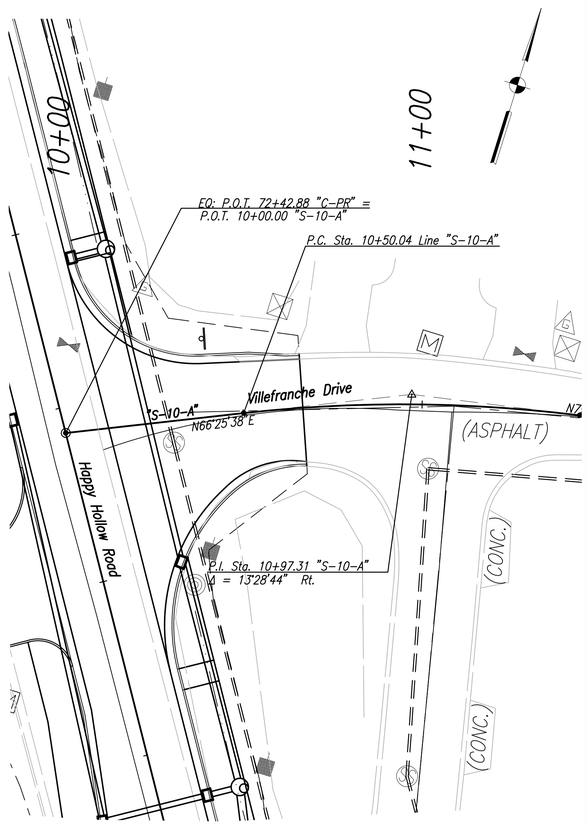
PLAN & PROFILE
LINE "S-4-A", "S-5-A", "S-6-A"

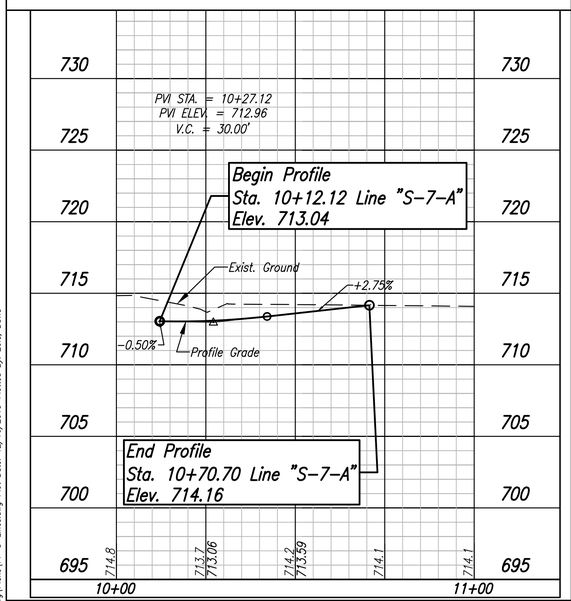
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 5'	0900002
SURVEY BOOK	SHEETS
–	71 of 174
CONTRACT	PROJECT
R-32947	0900002

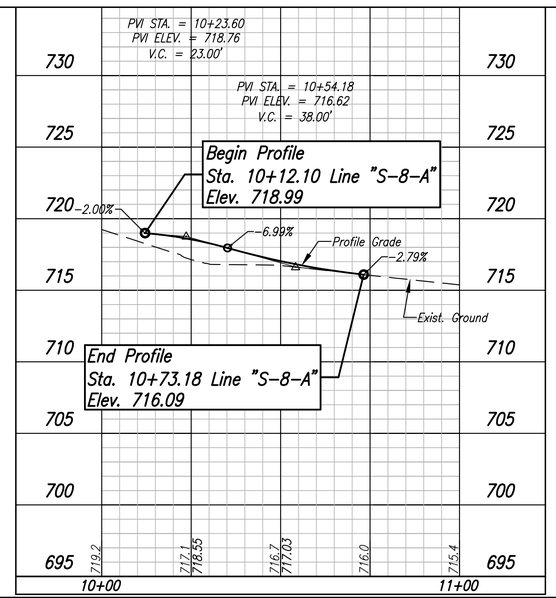


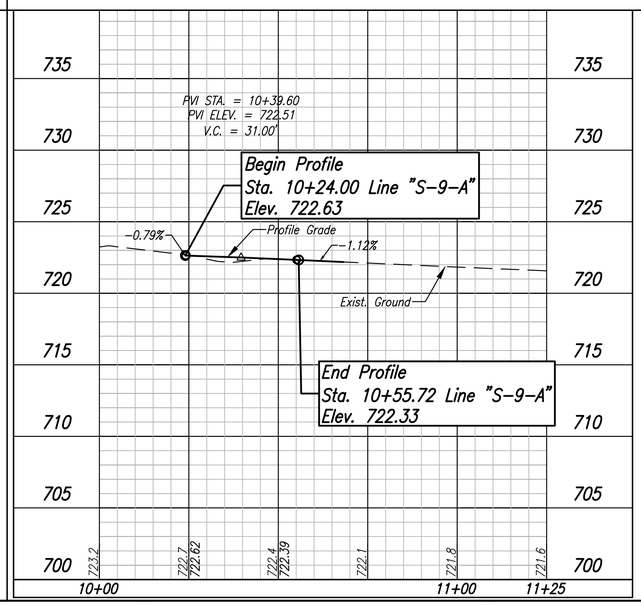


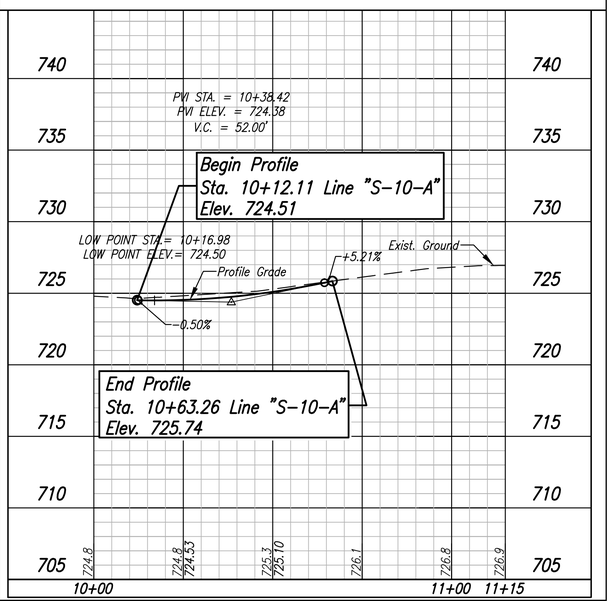












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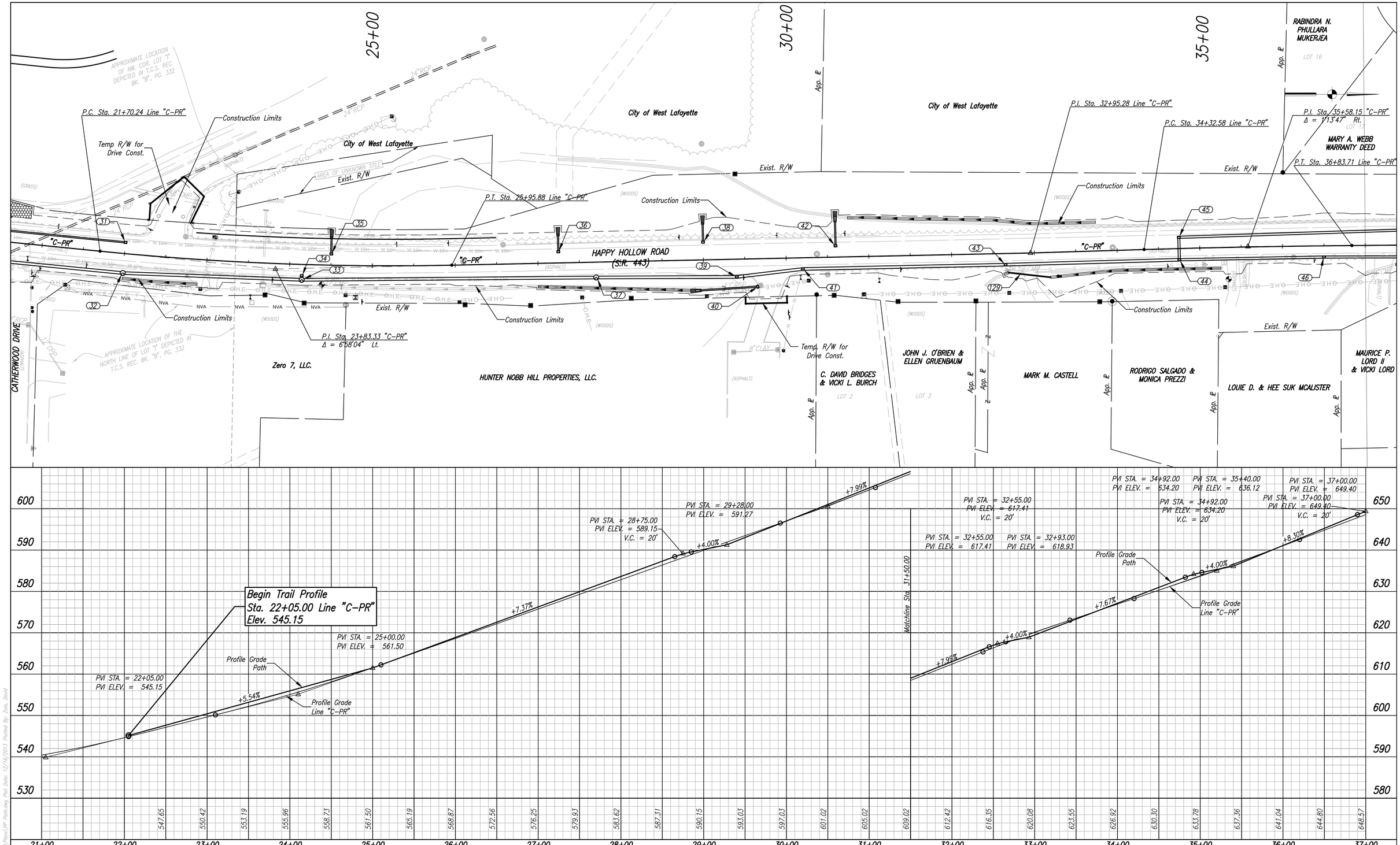
CITY OF WEST LAFAYETTE

PLAN & PROFILE
LINE "S-7-A", S-8-A", "S-9-A", "S-10-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 5'	0900002
SURVEY BOOK	SHEETS
–	72 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\PP S-Lines.dwg Plot Date: 12/16/2013 Plotted By: Zolo, David



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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

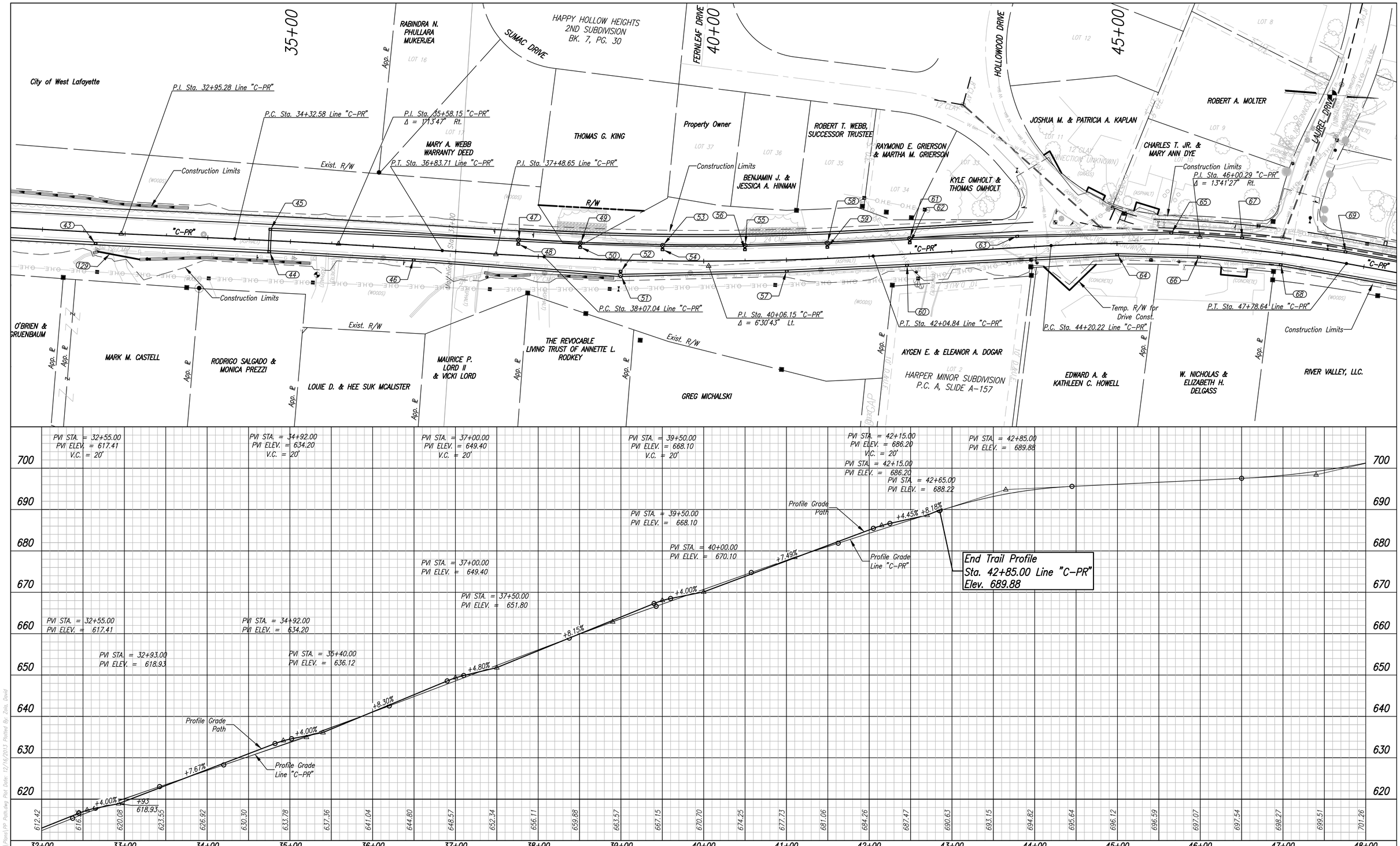
DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PLAN & PROFILE MULTI-USE PATH

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
1" = 10'	0900002
SURVEY BOOK	SHEETS
–	73 of 174
CONTRACT	PROJECT
R-32947	0900002



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CITY OF WEST LAFAYETTE

PLAN & PROFILE MULTI-USE PATH

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	74 of 174
CONTRACT	PROJECT
R-32947	0900002

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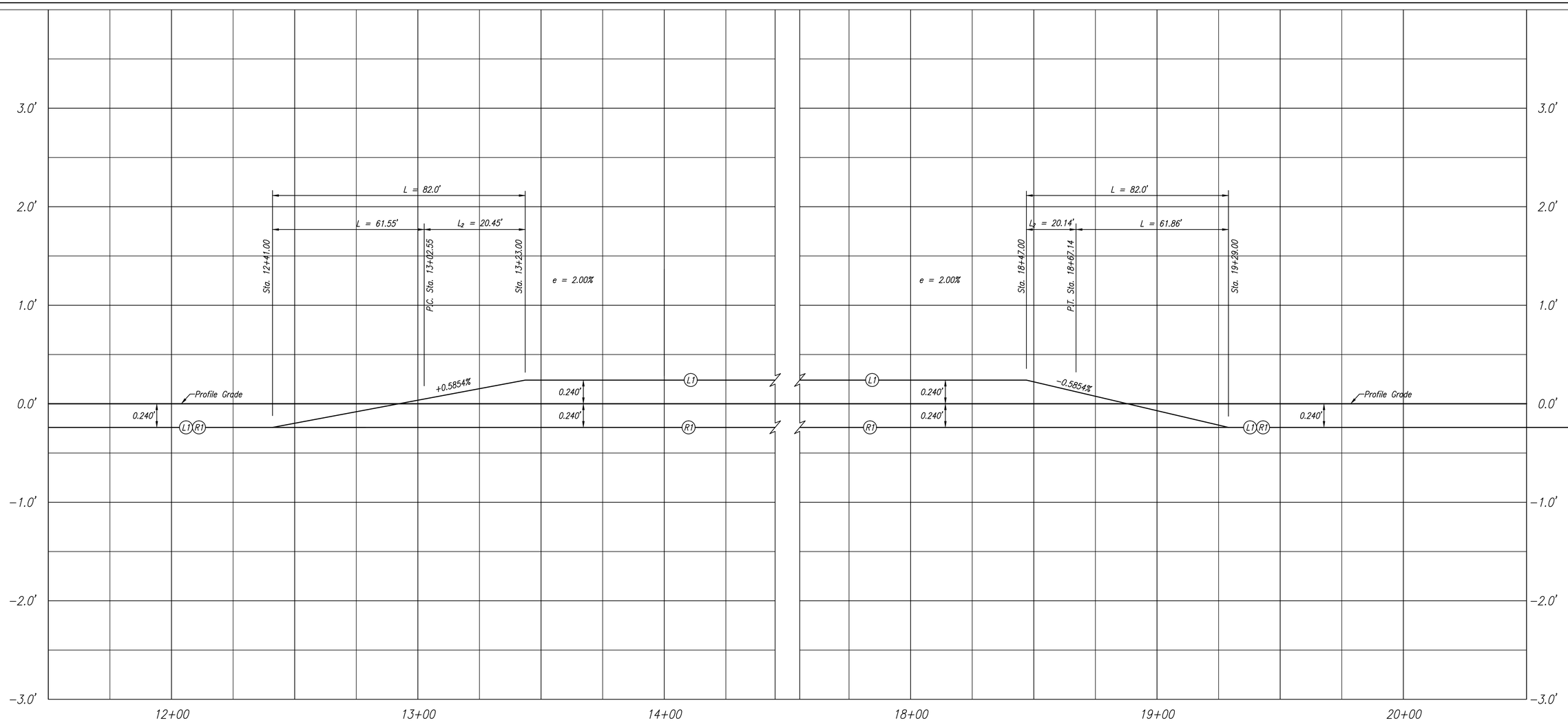
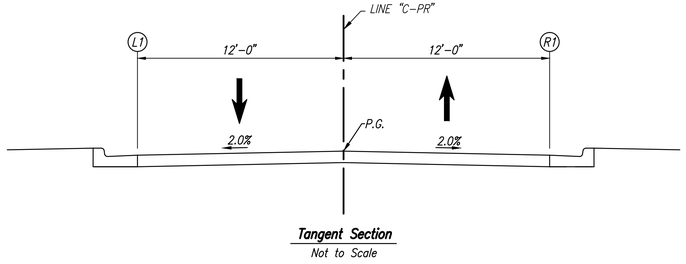
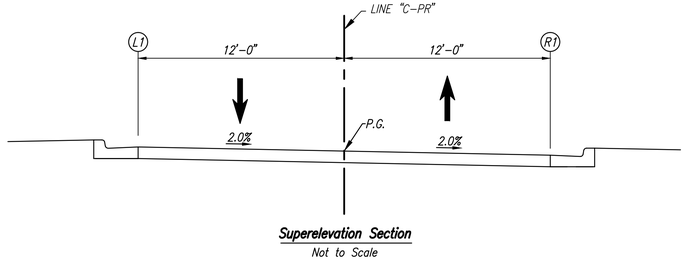




Tangent Section
Not to Scale



Superelevation Section
Not to Scale

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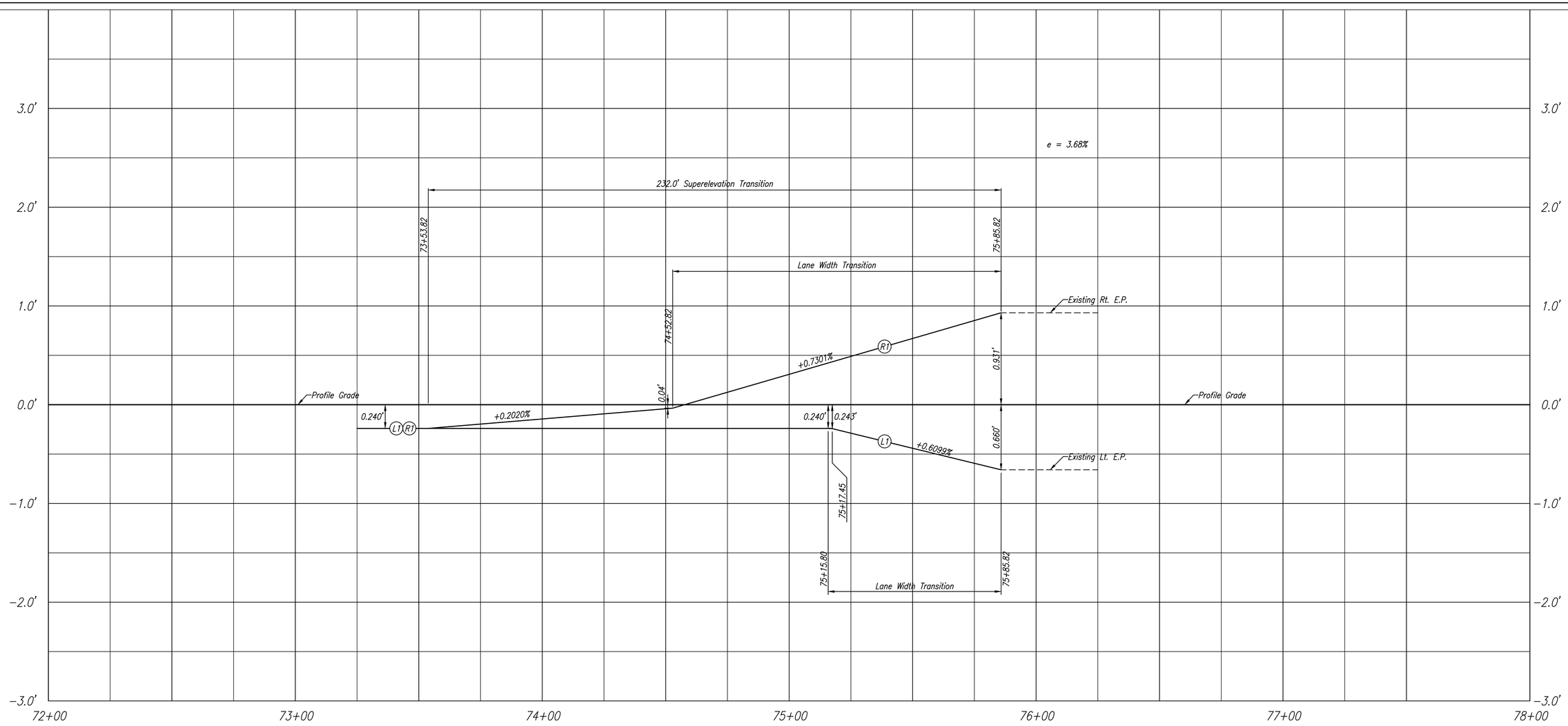
DRAWN: MAC
CHECKED: BJP
CHECKED: BJP

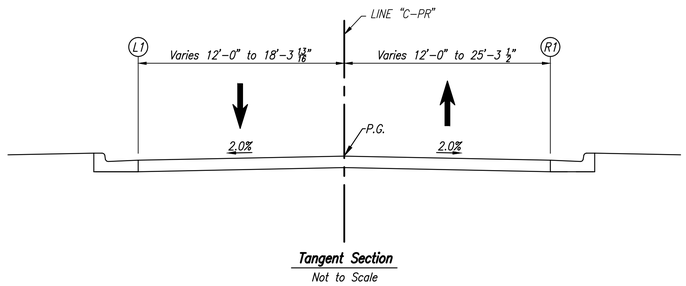
CITY OF WEST LAFAYETTE

SUPERELEVATION DIAGRAM 13+02.55 LINE "C-PR"

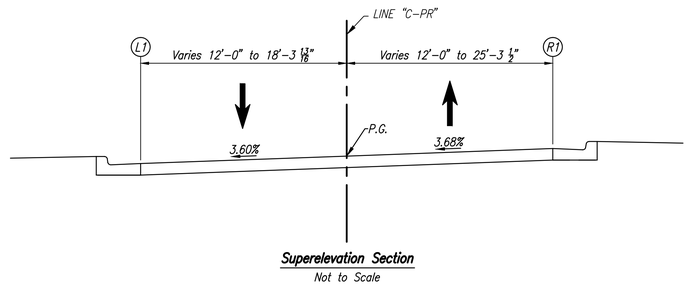
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 0.5'	0900002
SURVEY BOOK	SHEETS
–	75 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\(c30\ 10-401\Road\Dwg\Plans\Superelevation.dwg Plot Date: 12/16/2013 Plotted By: Zolo, David





Tangent Section
Not to Scale



Superelevation Section
Not to Scale

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DESIGNED: SRS | DRAWN: DJZ

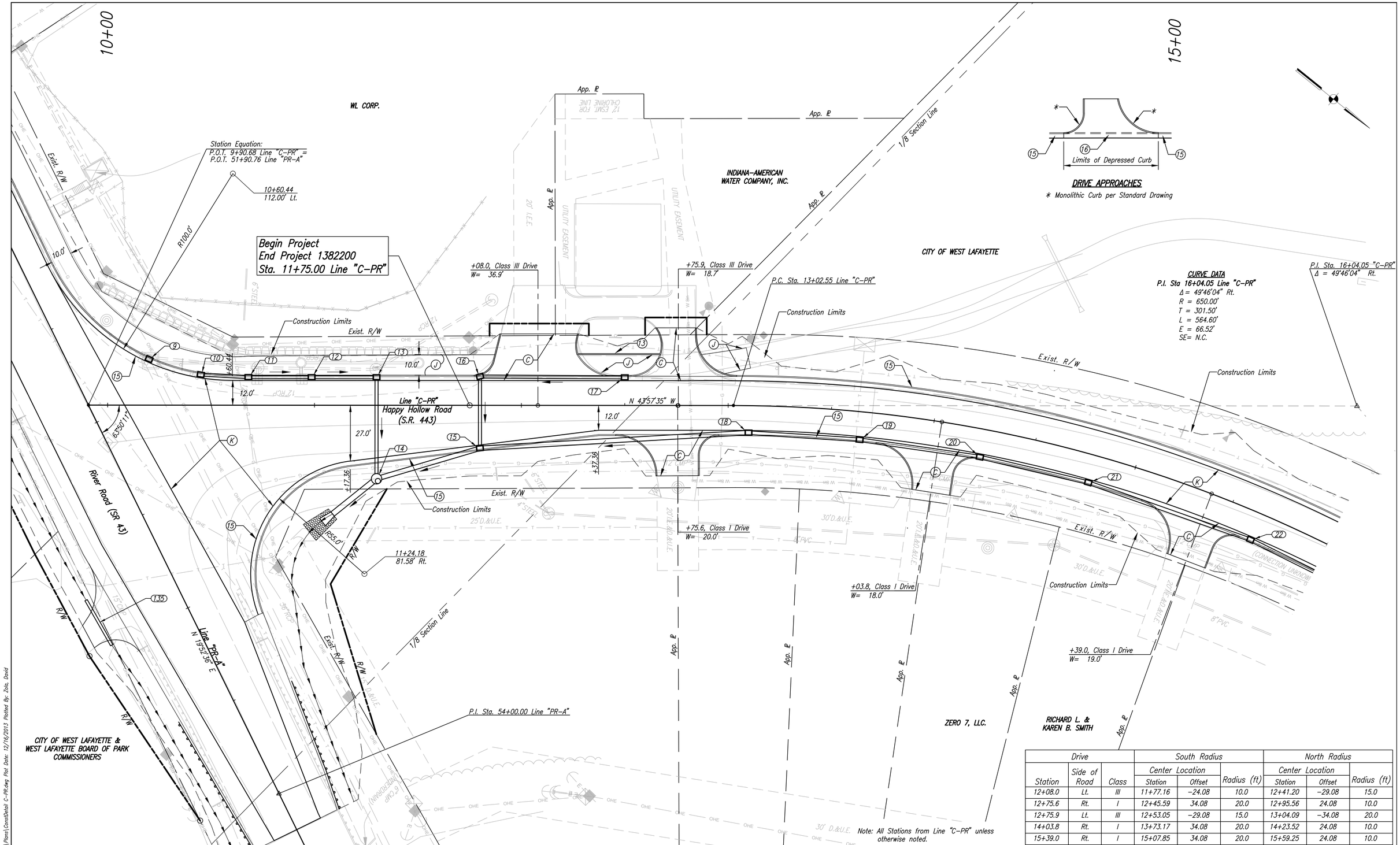
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

SUPERELEVATION DIAGRAM
74+65.93 LINE "C–PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 0.5'	0900002
SURVEY BOOK	SHEETS
–	76 of 174
CONTRACT	PROJECT
R–32947	0900002

File Name: P:\(CSD)\10-401\Road\Dwg\Plans\Superelevation.dwg Plot Date: 12/16/2013 Plotted By: Zatlo, David



Drive			South Radius			North Radius		
			Center Location			Center Location		
Station	Side of Road	Class	Station	Offset	Radius (ft)	Station	Offset	Radius (ft)
12+08.0	Lt.	III	11+77.16	-24.08	10.0	12+41.20	-29.08	15.0
12+75.6	Rt.	I	12+45.59	34.08	20.0	12+95.56	24.08	10.0
12+75.9	Lt.	III	12+53.05	-29.08	15.0	13+04.09	-34.08	20.0
14+03.8	Rt.	I	13+73.17	34.08	20.0	14+23.52	24.08	10.0
15+39.0	Rt.	I	15+07.85	34.08	20.0	15+59.25	24.08	10.0

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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DESIGNED: WDN DRAWN: MAC
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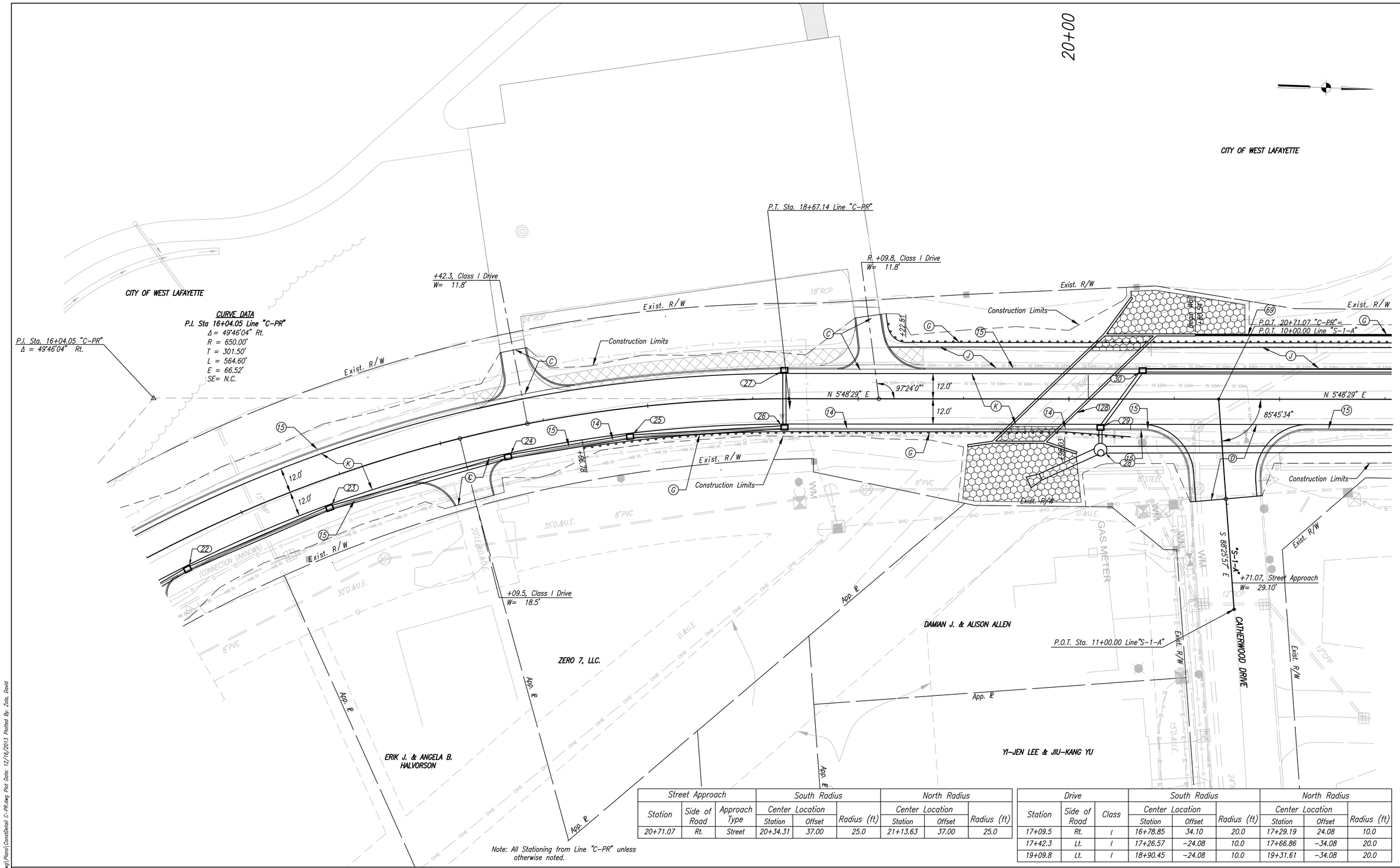
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 10+04.99 to 15+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	77 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
20+71.07	Rt.	Street	20+34.31	37.00	25.0	21+13.63	37.00	25.0

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
17+09.5	Rt.	I	16+78.85	34.10	20.0	17+29.19	24.08	10.0
17+42.3	Lt.	I	17+26.57	−24.08	10.0	17+66.86	−34.08	20.0
19+09.8	Lt.	I	18+90.45	−24.08	10.0	19+31.61	−34.08	20.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
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- (16) Curb & Gutter, Depressed
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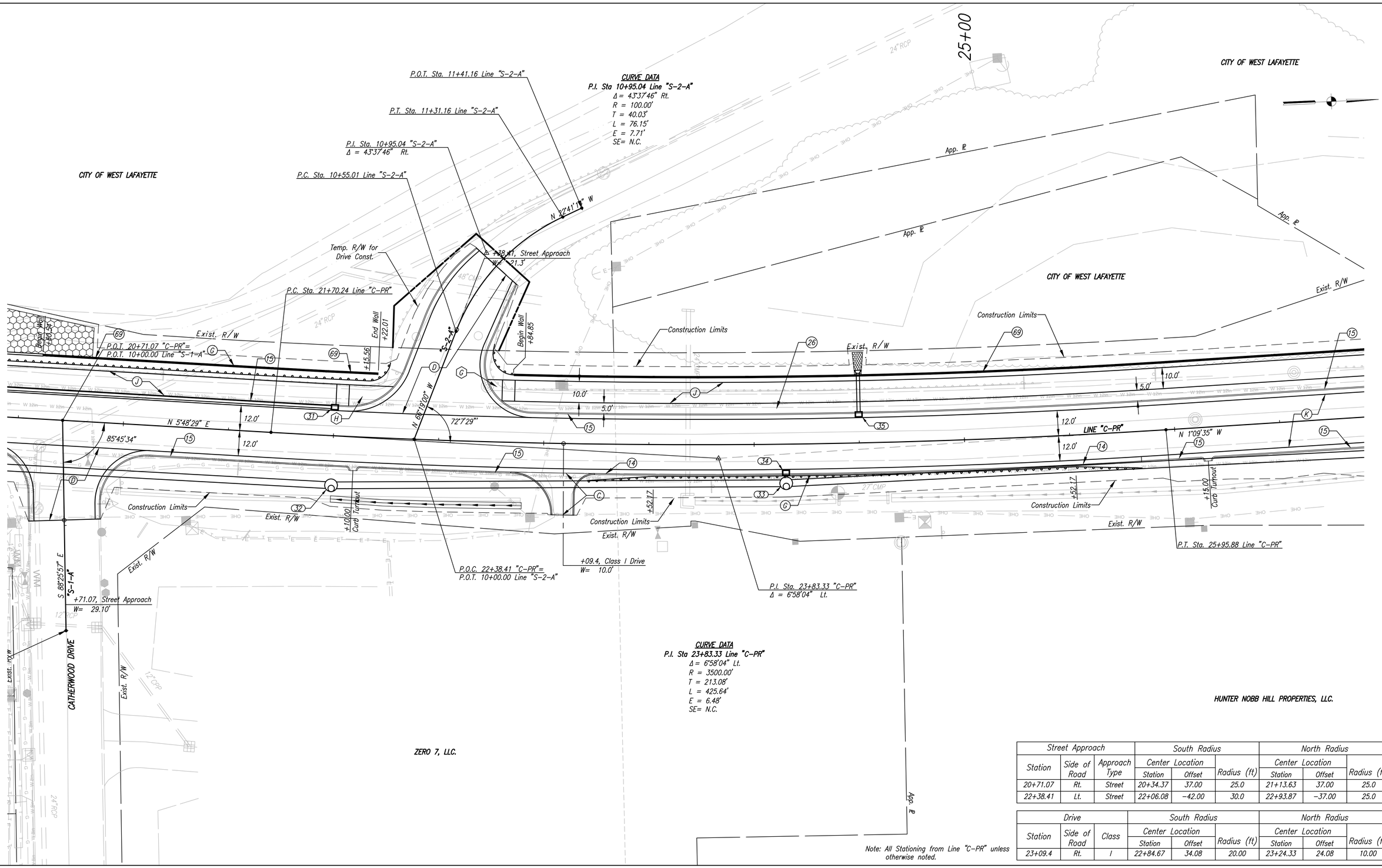
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 15+50 to 21+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	78 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Construction C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
20+71.07	Rt.	Street	20+34.37	37.00	25.0	21+13.63	37.00	25.0
22+38.41	Lt.	Street	22+06.08	-42.00	30.0	22+93.87	-37.00	25.0

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
23+09.4	Rt.	I	22+84.67	34.08	20.00	23+24.33	24.08	10.00

Note: All Stationing from Line "C-PR" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
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- (X) Structure Number

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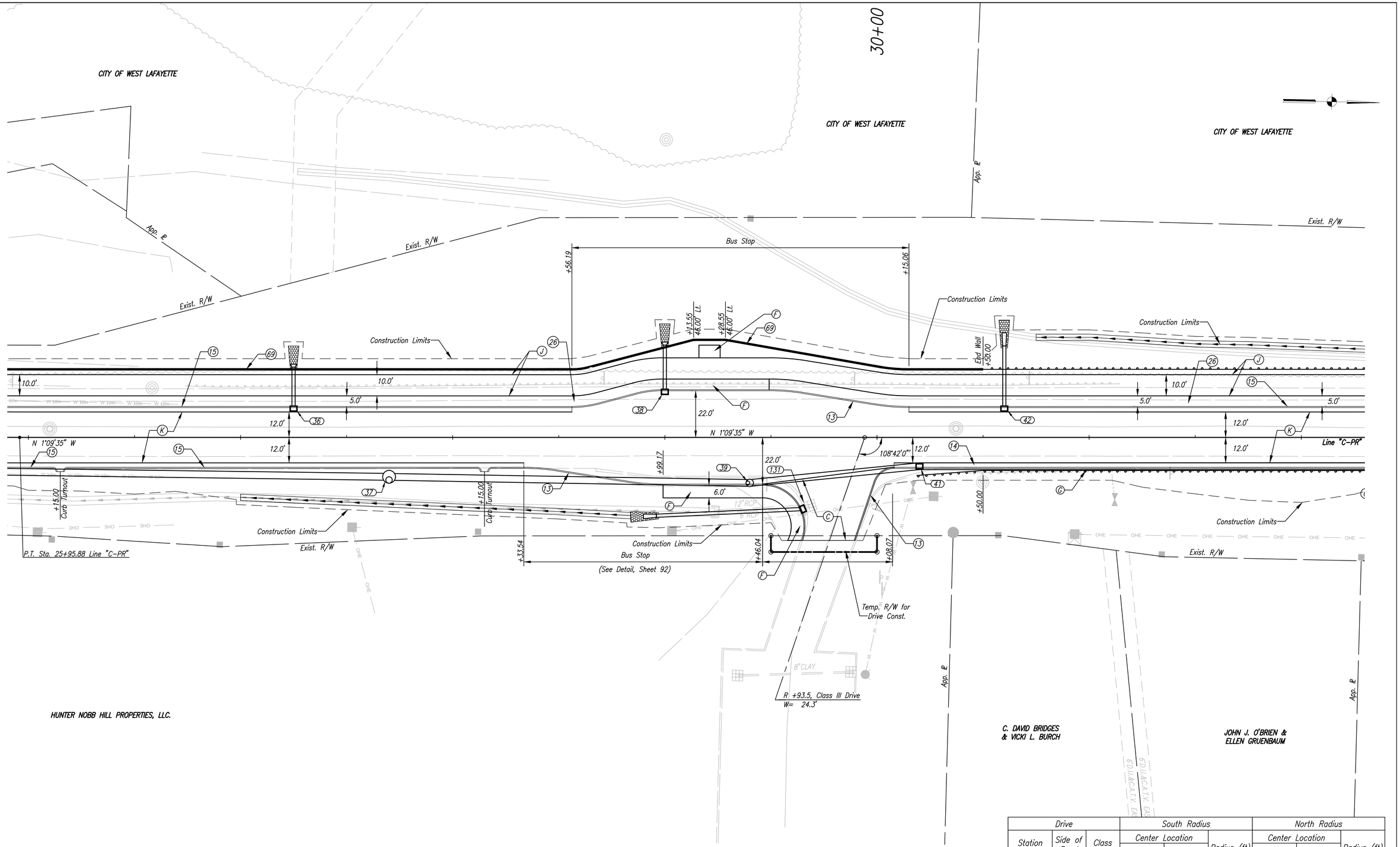
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 21+00 to 26+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	79 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDS\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Note: All Stationing from Line "C-PR" unless otherwise noted.

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
29+93.5	Rt.	III	29+46.04	42.00	20.0	30+08.07	24.08	10.0

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
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- (17) Concrete Steps
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- (X) Structure Number

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CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 26+50 to 32+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	80 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

35+00

CITY OF WEST LAFAYETTE

CITY OF WEST LAFAYETTE

RABINDRA N. PHULLARA MUKERJEA

MARY A. WEBB

App. ℄

App. ℄

Exist. R/W

Exist. R/W

Exist. R/W

P.I. Sta. 32+95.28 Line "C-PR"
Δ = 0°31'00" Lt.
No Curve Run

P.C. Sta. 34+32.58 Line "C-PR"

CURVE DATA
P.I. Sta 35+58.15 Line "C-PR"
Δ = 1°13'47" Rt.
R = 11700.00'
T = 125.57'
L = 251.13'
E = 0.67'
SE= N.C.

P.I. Sta. 35+58.15 "C-PR"
Δ = 1°13'47" Rt.

P.T. Sta. 36+83.71 Line "C-PR"

P.I. Sta. 37+48.65 "C-PR"
Δ = 0°42'47" Lt.
No Curve Run

Begin Wall +75.00

Construction Limits

Construction Limits

Construction Limits

Construction Limits

10.0'

5.0'

12.0'

12.0'

10.0'

12.0'

12.0'

Line "C-PR"

N 1°40'35" W

76°12'0"

Happy Hollow Road
(S.R. 443)

N 0°26'48" W

±43.59

±84.66

±66.14

26 J 15 K 14 43 C G 15 44 45 C 14 G 46 K 15 47 48 C 15

129

Construction Limits

Construction Limits

Construction Limits

Construction Limits

+87.6, Class I Drive
W= 14.0'

+40.6, Class I Drive
W= 14.0'

+19.8, Class I Drive
W= 19.0'

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

App. ℄

App. ℄

App. ℄

App. ℄

JOHN J. O'BRIEN & ELLEN GRUENBAUM

MARK. M CASTELL

RODRIGO SALGADO & MONICA PREZZI

LOUIE D. & HEE SUK MCALISTER

MAURICE P. LORD II & VICKI LORD

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
32+87.6	Rt.	I	32+68.20	34.05	20.0	33+10.79	24.02	10.0
35+40.6	Rt.	I	35+13.61	34.12	20.0	35+57.68	24.08	10.0
37+19.8	Rt.	I	36+90.80	33.58	19.5	37+39.30	23.98	10.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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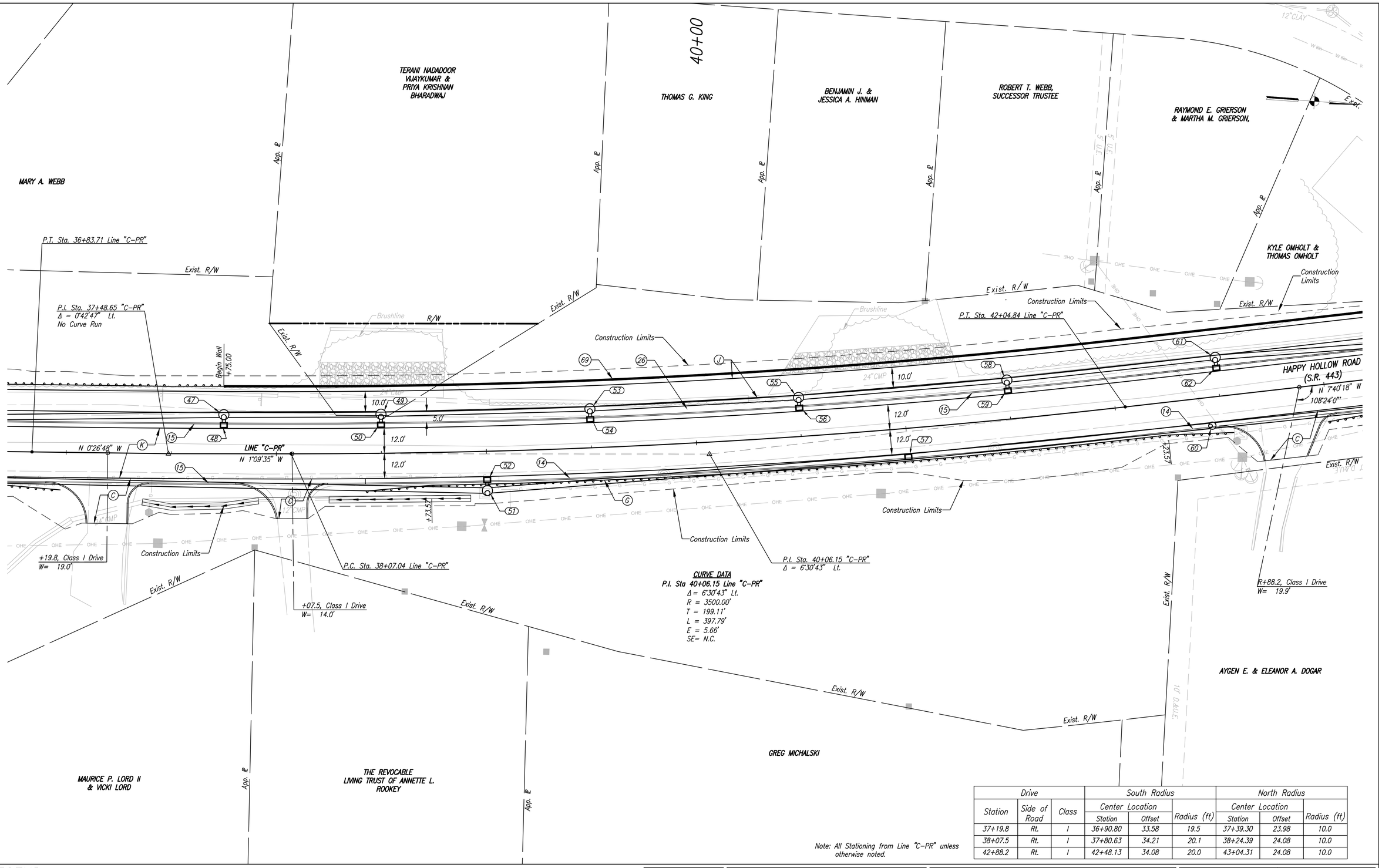
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 32+00 to 37+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	81 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
37+19.8	Rt.	I	36+90.80	33.58	19.5	37+39.30	23.98	10.0
38+07.5	Rt.	I	37+80.63	34.21	20.1	38+24.39	24.08	10.0
42+88.2	Rt.	I	42+48.13	34.08	20.0	43+04.31	24.08	10.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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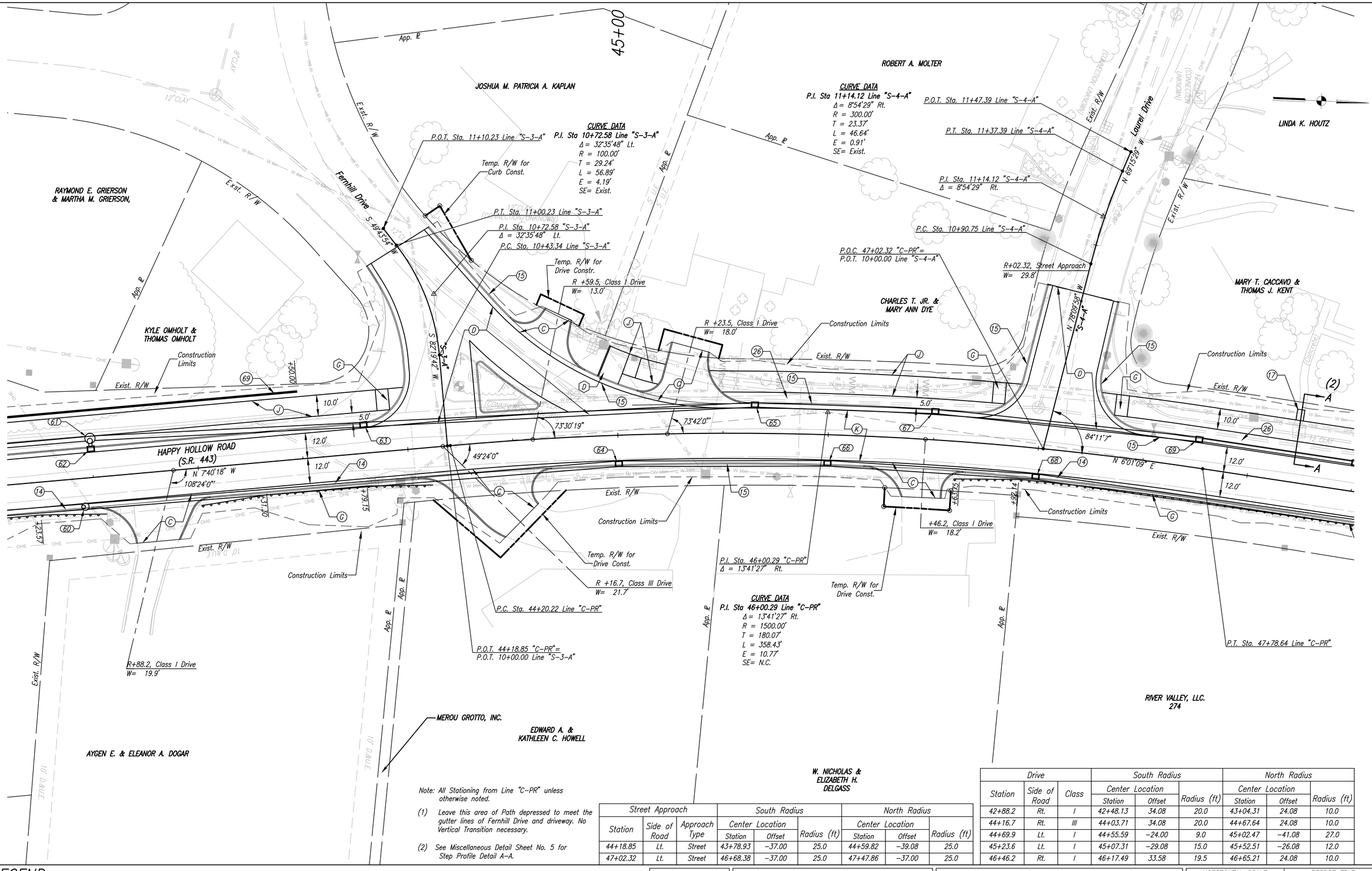
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 37+50 to 42+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	82 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Construction C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Note: All Stationing from Line "C-PR" unless otherwise noted.

(1) Leave this area of Path depressed to meet the gutter lines of Fernhill Drive and driveway. No Vertical Transition necessary.

(2) See Miscellaneous Detail Sheet No. 5 for Step Profile Detail A-A.

Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
44+18.85	Lt.	Street	43+78.93	−37.00	25.0	44+59.82	−39.08	25.0
47+02.32	Lt.	Street	46+68.38	−37.00	25.0	47+47.86	−37.00	25.0

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
42+88.2	Rt.	I	42+48.13	34.08	20.0	43+04.31	24.08	10.0
44+16.7	Rt.	III	44+03.71	34.08	20.0	44+67.64	24.08	10.0
44+69.9	Lt.	I	44+55.59	−24.00	9.0	45+02.47	−41.08	27.0
45+23.6	Lt.	I	45+07.31	−29.08	15.0	45+52.51	−26.08	12.0
46+46.2	Rt.	I	46+17.49	33.58	19.5	46+65.21	24.08	10.0

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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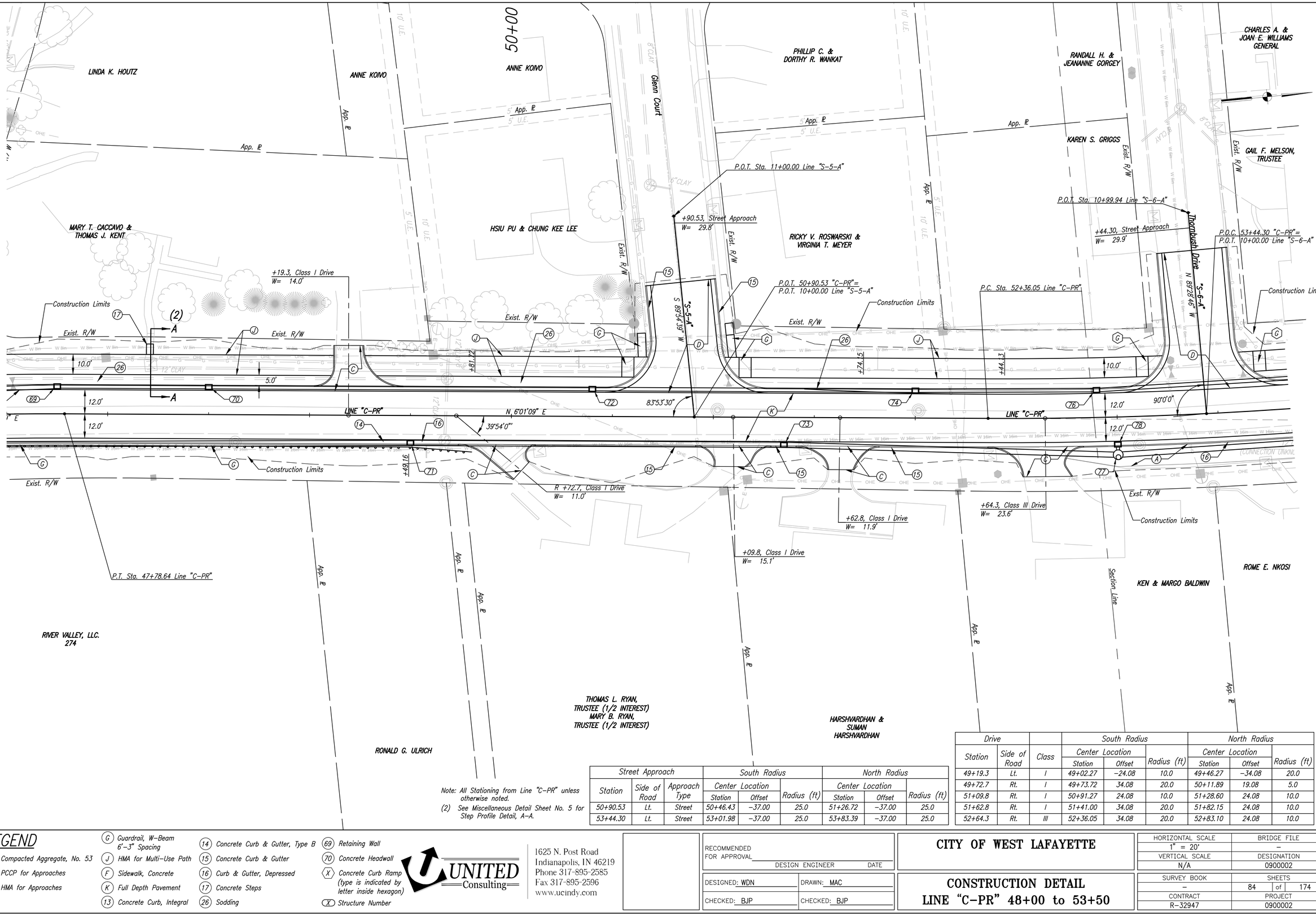
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL LINE "C-PR" 42+50 to 48+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	83 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301.10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
50+90.53	Lt.	Street	50+46.43	−37.00	25.0	51+26.72	−37.00	25.0
53+44.30	Lt.	Street	53+01.98	−37.00	25.0	53+83.39	−37.00	25.0

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
49+19.3	Lt.	I	49+02.27	−24.08	10.0	49+46.27	−34.08	20.0
49+72.7	Rt.	I	49+73.72	34.08	20.0	50+11.89	19.08	5.0
51+09.8	Rt.	I	50+91.27	24.08	10.0	51+28.60	24.08	10.0
51+62.8	Rt.	I	51+41.00	34.08	20.0	51+82.15	24.08	10.0
52+64.3	Rt.	III	52+36.05	34.08	20.0	52+83.10	24.08	10.0

Note: All Stationing from Line "C-PR" unless otherwise noted.
(2) See Miscellaneous Detail Sheet No. 5 for Step Profile Detail, A-A.

LEGEND

- (A) Compacted Aggregate, No. 53
- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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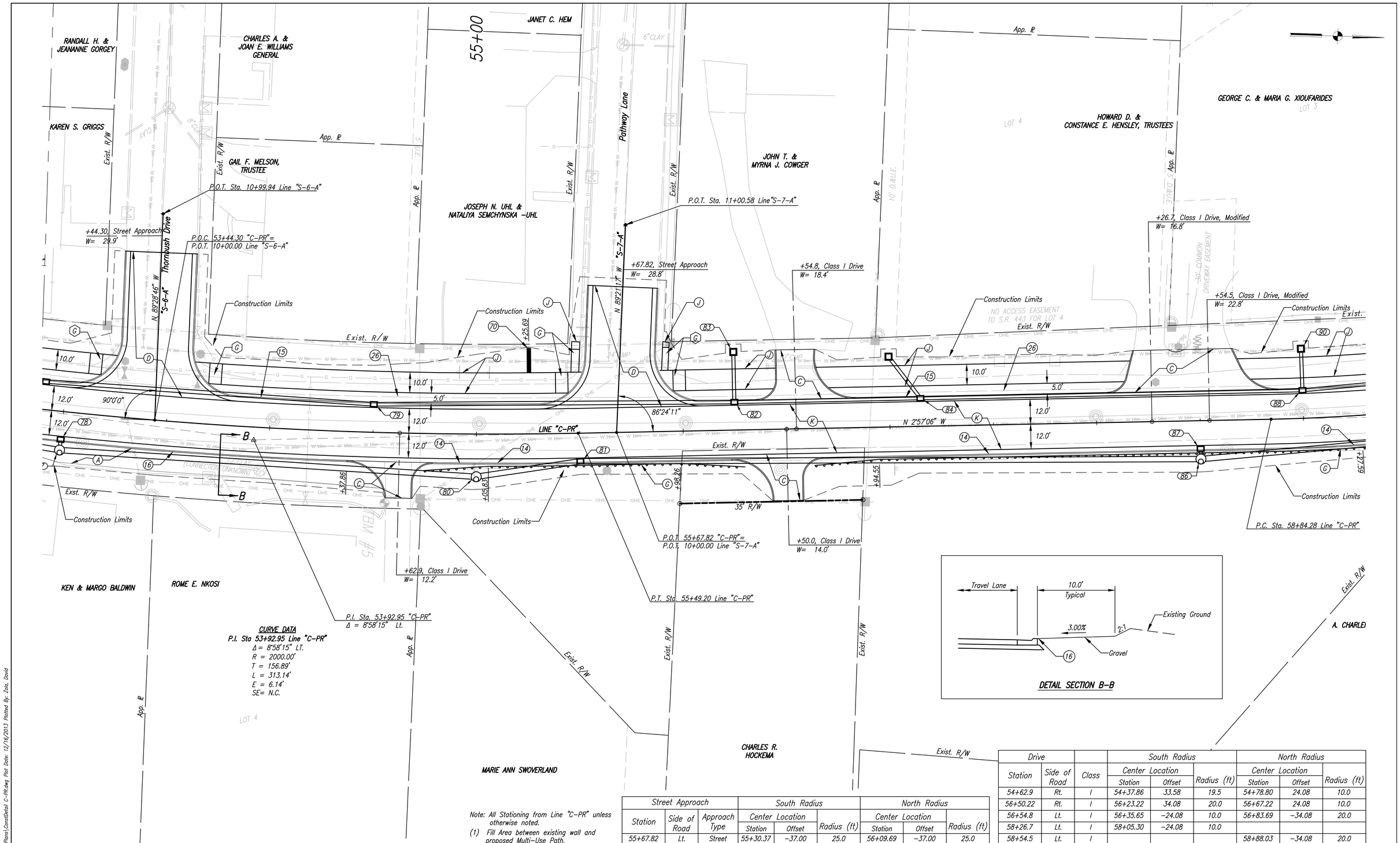
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 48+00 to 53+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	84 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\LCSO\ 10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zeto, David



CURVE DATA
P.I. Sta 53+92.95 Line "C-PR"
Δ = 8°58'15" LT.
R = 2000.00'
T = 156.89'
L = 313.14'
E = 6.14'
SE= N.C.

Note: All Stationing from Line "C-PR" unless otherwise noted.
(1) Fill Area between existing wall and proposed Multi-Use Path.

Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location Station	Center Location Offset	Radius (ft)	Center Location Station	Center Location Offset	Radius (ft)
55+67.82	Lt.	Street	55+30.37	-37.00	25.0	56+09.69	-37.00	25.0

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location Station	Center Location Offset	Radius (ft)	Center Location Station	Center Location Offset	Radius (ft)
54+62.9	Rt.	I	54+37.86	33.58	19.5	54+78.80	24.08	10.0
56+50.22	Rt.	I	56+23.22	34.08	20.0	56+67.22	24.08	10.0
56+54.8	Lt.	I	56+35.65	-24.08	10.0	56+83.69	-34.08	20.0
58+26.7	Lt.	I	58+05.30	-24.08	10.0			
58+54.5	Lt.	I				58+88.03	-34.08	20.0

LEGEND

- (A) Compacted Aggregate, No. 53
- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
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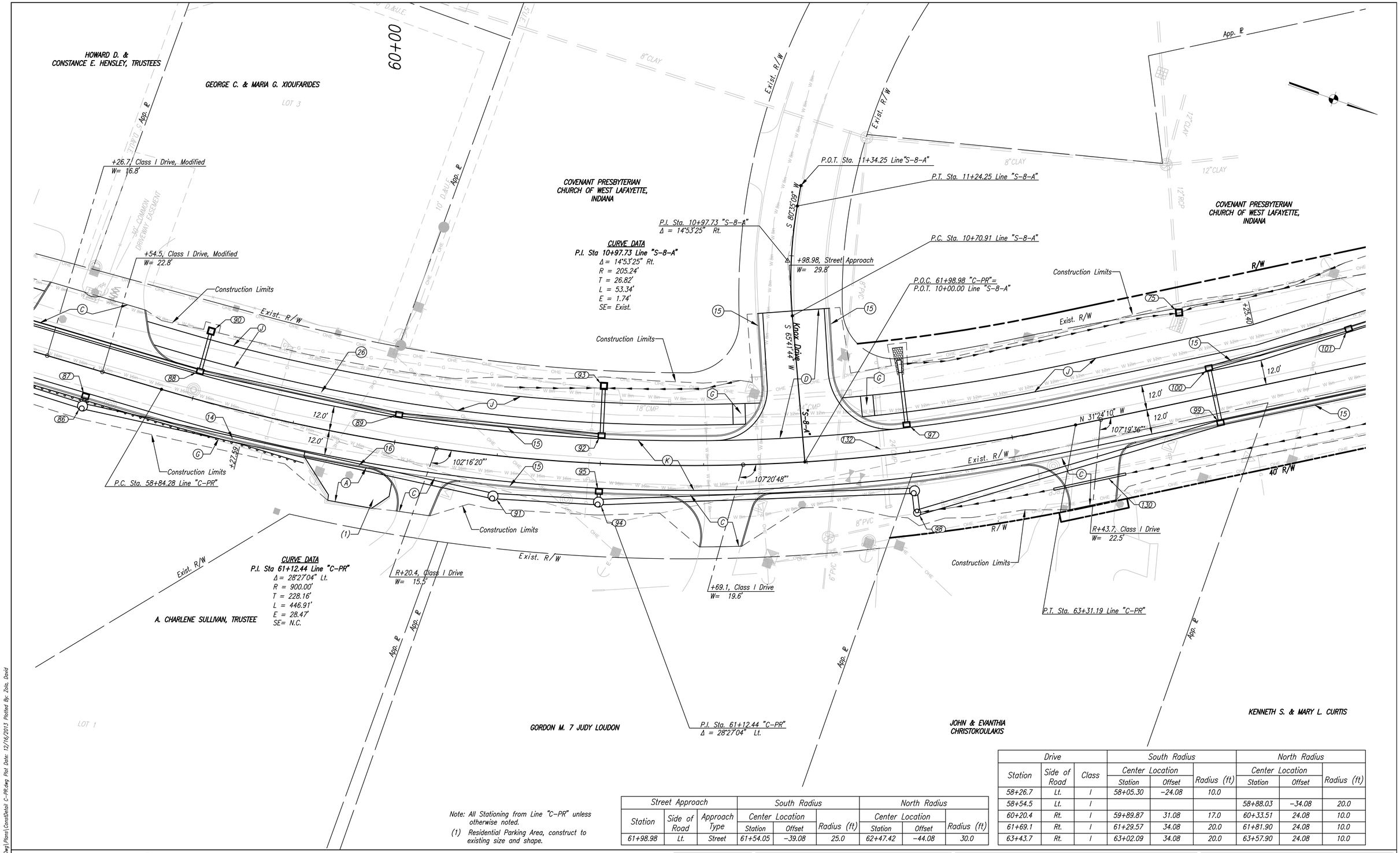
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL LINE "C-PR" 53+50 to 59+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	85 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
58+26.7	Lt.	I	58+05.30	-24.08	10.0			
58+54.5	Lt.	I				58+88.03	-34.08	20.0
60+20.4	Rt.	I	59+89.87	31.08	17.0	60+33.51	24.08	10.0
61+69.1	Rt.	I	61+29.57	34.08	20.0	61+81.90	24.08	10.0
63+43.7	Rt.	I	63+02.09	34.08	20.0	63+57.90	24.08	10.0

Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
61+98.98	Lt.	Street	61+54.05	-39.08	25.0	62+47.42	-44.08	30.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

(1) Residential Parking Area, construct to existing size and shape.

LEGEND

- (A) Compacted Aggregate, No. 53
- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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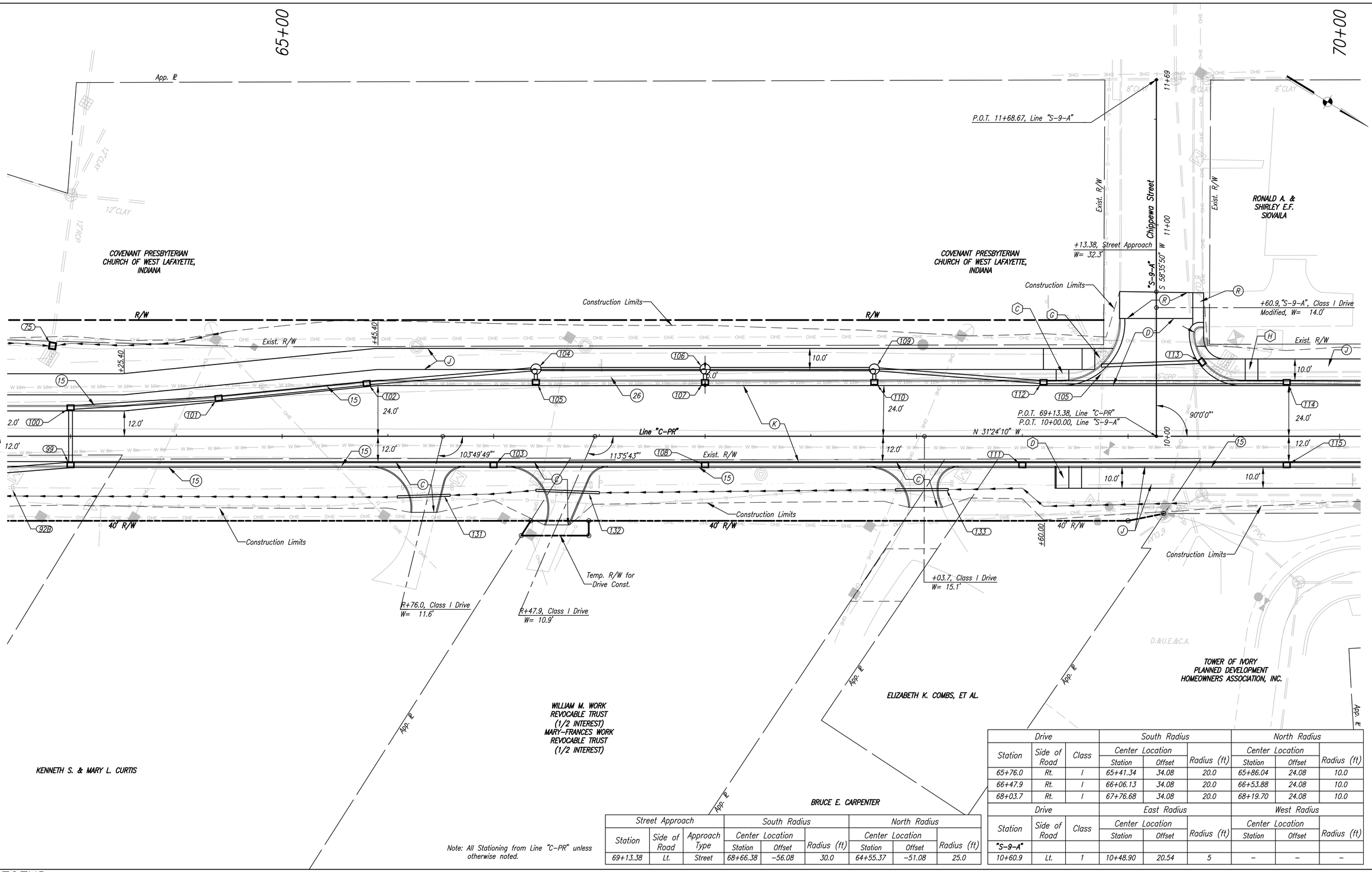
DESIGNED: WDN DRAWN: MAC
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 59+00 to 64+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	86 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location Station	Center Location Offset	Radius (ft)	Center Location Station	Center Location Offset	Radius (ft)
65+76.0	Rt.	I	65+41.34	34.08	20.0	65+86.04	24.08	10.0
66+47.9	Rt.	I	66+06.13	34.08	20.0	66+53.88	24.08	10.0
68+03.7	Rt.	I	67+76.68	34.08	20.0	68+19.70	24.08	10.0

Drive			East Radius			West Radius		
Station	Side of Road	Class	Center Location Station	Center Location Offset	Radius (ft)	Center Location Station	Center Location Offset	Radius (ft)
"S-9-A"								
10+60.9	Lt.	1	10+48.90	20.54	5	–	–	–

Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location Station	Center Location Offset	Radius (ft)	Center Location Station	Center Location Offset	Radius (ft)
69+13.38	Lt.	Street	68+66.38	-56.08	30.0	64+55.37	-51.08	25.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (PR) Pedestrian Rail
- (R) 1.5" Approach Milling & 165 lbs/sy HMA Surface, Type A
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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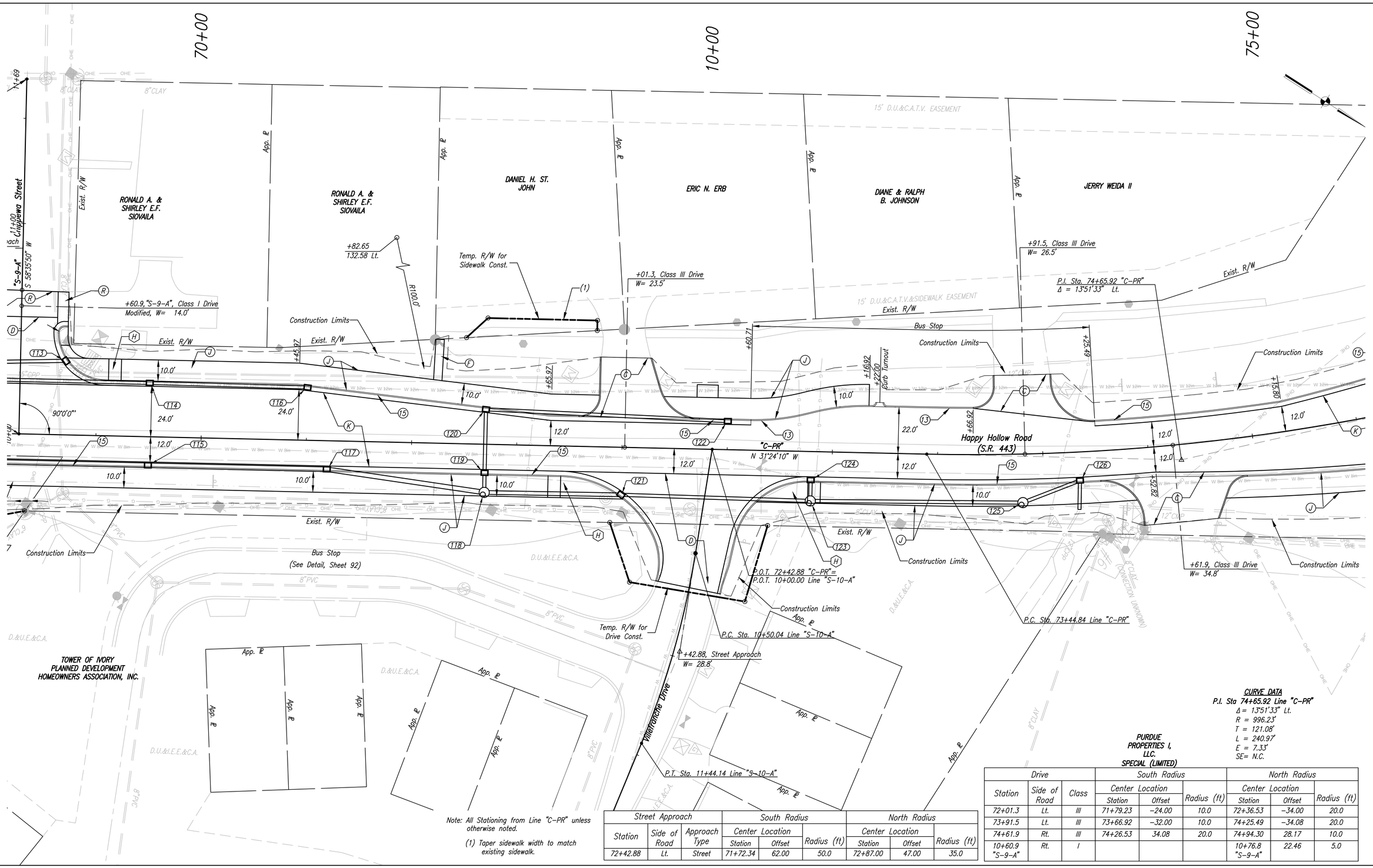
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL LINE "C-PR" 64+50 to 69+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	87 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



CURVE DATA
P.I. Sta 74+65.92 Line "C-PR"
Δ = 13°51'33" Lt.
R = 996.23'
T = 121.08'
L = 240.97'
E = 7.33'
SE= N.C.

Drive			South Radius			North Radius		
Station	Side of Road	Class	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
72+01.3	Lt.	III	71+79.23	−24.00	10.0	72+36.53	−34.00	20.0
73+91.5	Lt.	III	73+66.92	−32.00	10.0	74+25.49	−34.08	20.0
74+61.9	Rt.	III	74+26.53	34.08	20.0	74+94.30	28.17	10.0
10+60.9 "S-9-A"	Rt.	I				10+76.8 "S-9-A"	22.46	5.0

Street Approach			South Radius			North Radius		
Station	Side of Road	Approach Type	Center Location		Radius (ft)	Center Location		Radius (ft)
			Station	Offset		Station	Offset	
72+42.88	Lt.	Street	71+72.34	62.00	50.0	72+87.00	47.00	35.0

Note: All Stationing from Line "C-PR" unless otherwise noted.

(1) Taper sidewalk width to match existing sidewalk.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (16) Curb & Gutter, Depressed
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
- (X) Concrete Curb Ramp (type is indicated by letter inside hexagon)
- (X) Structure Number

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CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 69+50 to 74+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	88 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\UCSD\10-4011\Road\Dwg\Plans\Const\Detail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

75+00

App. ℄

Exist. R/W

End Project
P.T. Sta. 75+85.81 Line "C-PR"

Construction Limits

Curb Turnout
1+82.00

±15.80

12.0'

Line "C-PR"
N 45°13'43" W

18.3'

25.3'

10.0'

10.0'

Happy Hollow Road

12" CMP

10.0'

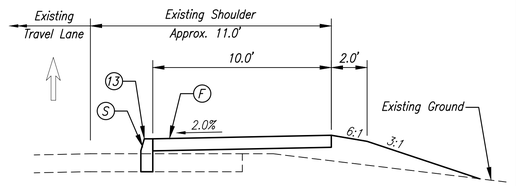
Soldiers Home Road

Match existing outside edge of pavement

Construction Limits

Exist. R/W

12" CMP



DETAIL SECTION C-C

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (S) Saw Cut, Full Depth
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (17) Concrete Steps
- (26) Sodding
- (69) Retaining Wall
- (70) Concrete Headwall
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- (X) Structure Number

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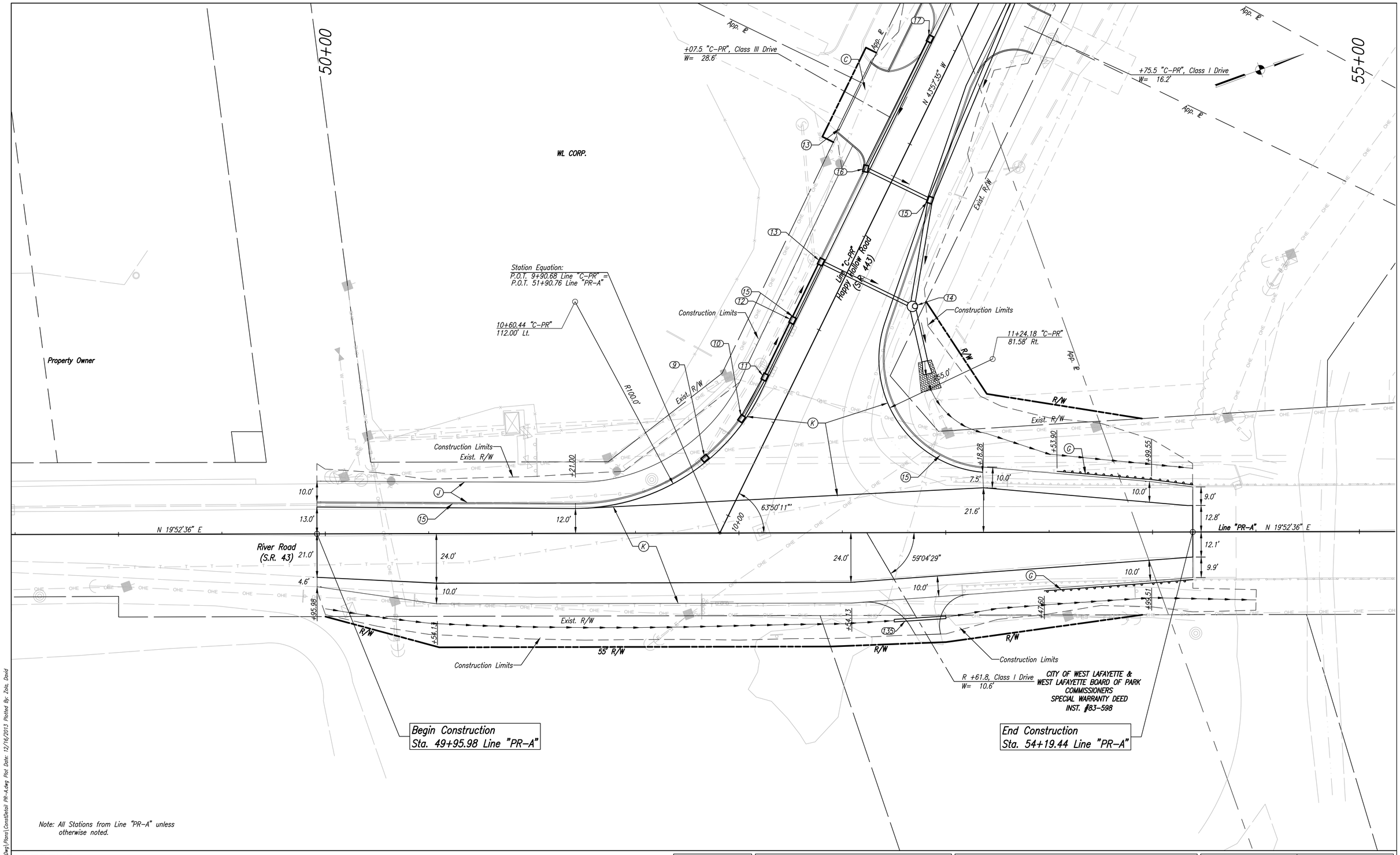
CITY OF WEST LAFAYETTE

CONSTRUCTION DETAIL
LINE "C-PR" 74+00 to 75+85.81

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	89 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\LCSTI\ 10-401\Road\Dwg\Plans\ConstDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Note: All Stations from Line "PR–A" unless otherwise noted.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W–Beam 6'–3" Spacing
- (J) HMA for Multi–Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (17) Concrete Steps
- (26) Sodding
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- (X) Structure Number

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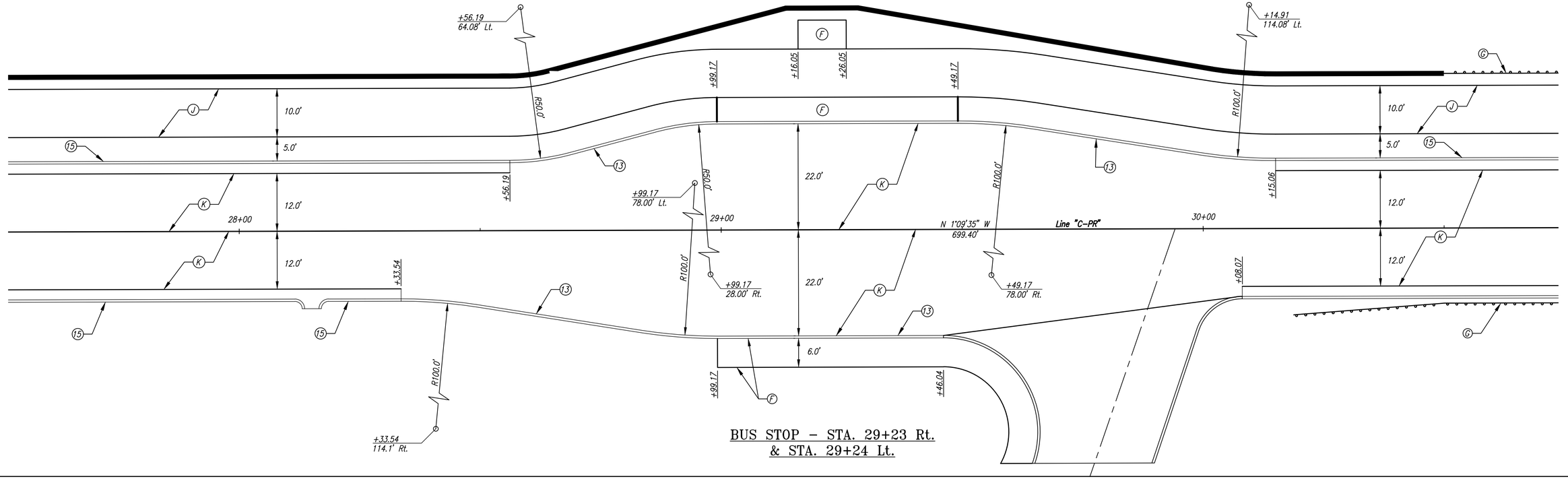
CITY OF WEST LAFAYETTE

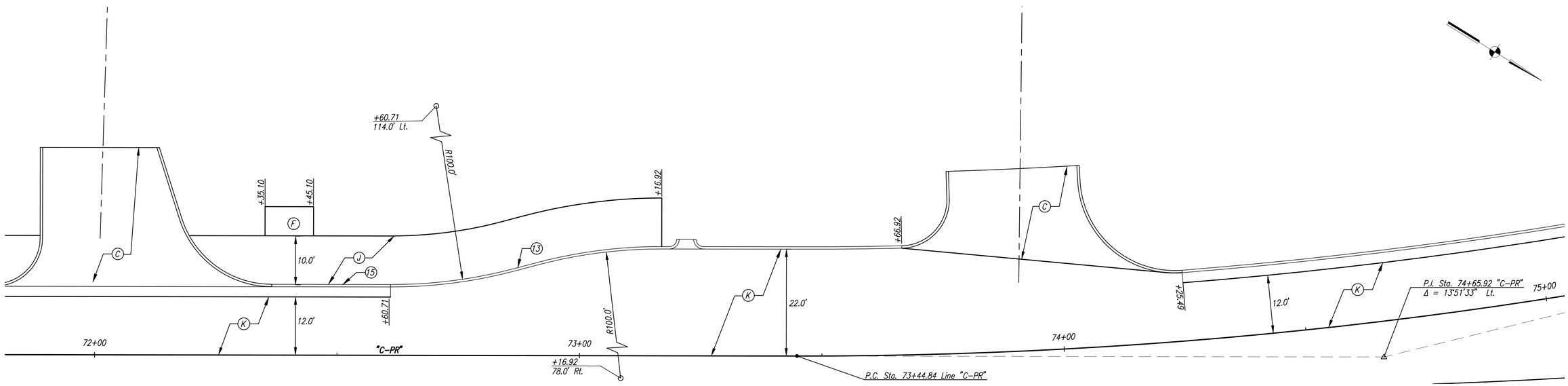
CONSTRUCTION DETAILS LINE "PR–A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	90 of 174
CONTRACT	PROJECT
R–32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Construction PR-A.dwg Plot Date: 12/16/2013 Plotted By: Zolo, David



BUS STOP - STA. 29+23 Rt.
& STA. 29+24 Lt.



BUS STOP - STA. 73+31 Lt.

LEGEND

- (C) PCCP for Approaches
- (D) HMA for Approaches
- (G) Guardrail, W-Beam 6'-3" Spacing
- (J) HMA for Multi-Use Path
- (F) Sidewalk, Concrete
- (K) Full Depth Pavement
- (13) Concrete Curb, Integral
- (14) Concrete Curb & Gutter, Type B
- (15) Concrete Curb & Gutter
- (17) Concrete Steps
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DESIGN ENGINEER DATE

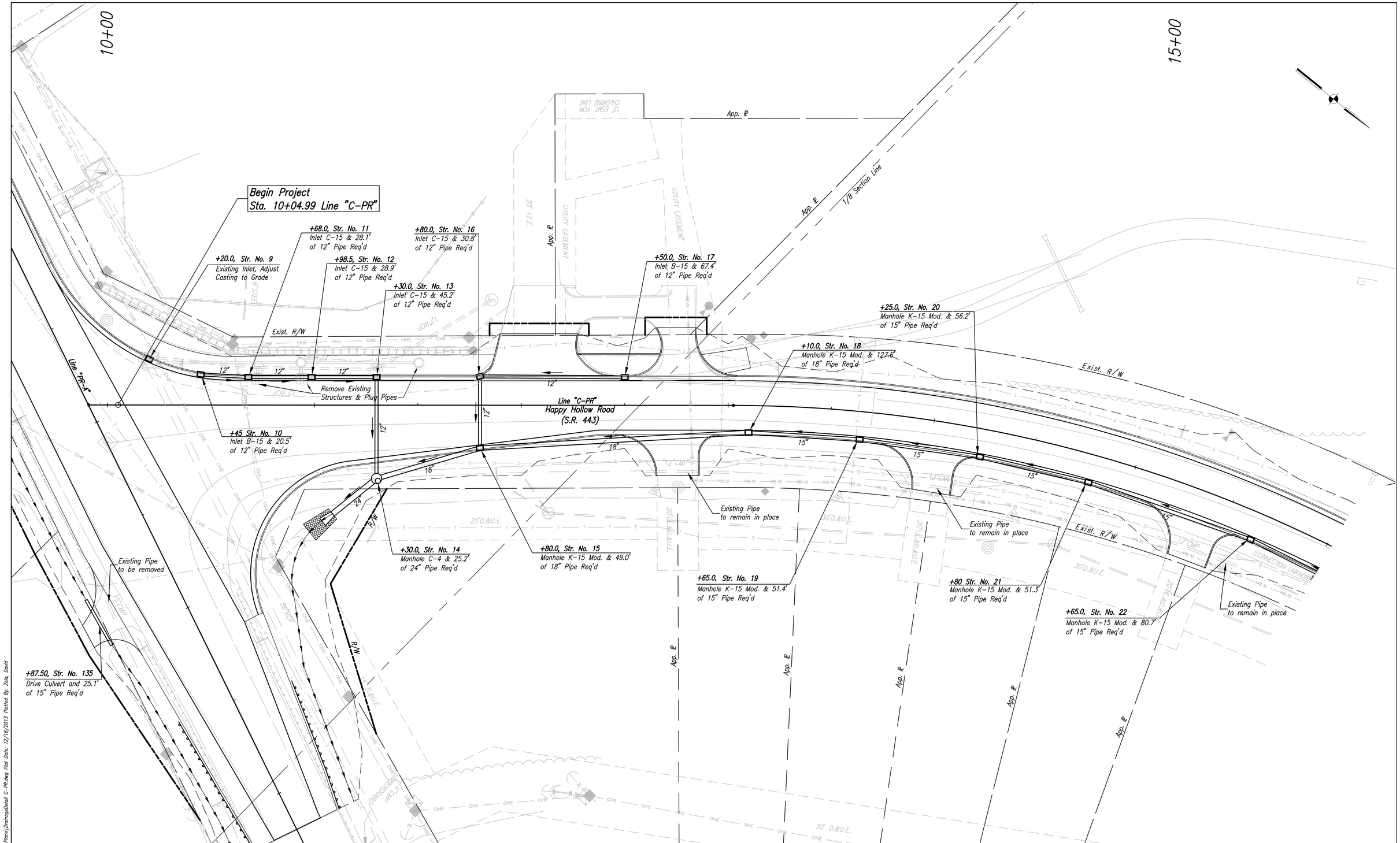
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

BUS STOP DETAIL
LINE "C-PR", STA. 28+96 & STA. 69+75

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	91 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\LCSTI\10-401\Road\Dwg\Plans\Const\Detail Bus_Stop.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



File Name: P:\C3D\10-401\Road\Dwg\Plans\DrainageDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 10+04.99 to 15+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	92 of 174
CONTRACT	PROJECT
R-32947	0900002

20+00

+98.12, Str. No. 128
16'x6' Box Culvert
(Sumped 12")

+35.0, Str. No. 30
Inlet C-15 & 28.8'
of 12" Pipe Req'd

+65.0, Str. No. 27
Inlet B-15 & 23.3'
of 12" Pipe Req'd

Exist. Pipe to
remian in place

+90.0, Str. No. 25
Inlet C-15 & 56.2'
of 15" Pipe Req'd

+30.0, Str. No. 24
Manhole K-15 Mod. & 85.5'
of 15" Pipe Req'd

+65.0, Str. No. 26
Inlet C-15 & 70.9'
of 12" Pipe Req'd

Existing Pipe
to remain in place

+40.0, Str. No. 23
Manhole K-15 Mod. & 70.9'
of 15" Pipe Req'd

Existing Pipe
to remain in place

+65.0, Str. No. 22
Manhole K-15 Mod. & 80.7'
of 15" Pipe Req'd

+15.0, Str. No. 29
Inlet C-15 & 6.3'
of 12" Pipe Req'd

+15.0, Str. No. 28
Manhole H-4 & 28.7'
of 30" Pipe Req'd

"S-1-A"
CATHERWOOD DRIVE

Existing Pipe to
remain in place

18"RCP
24"RCP
12"
15"
30"
15" CMP
12" CPP
CONNECTION UNKNOWN
GAS METER
35'D.&U.E.
30'D.&U.E.
20'D.&U.E.
15'D.&U.E.
D.&U.E.

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DESIGNED: BWC | DRAWN: MAC
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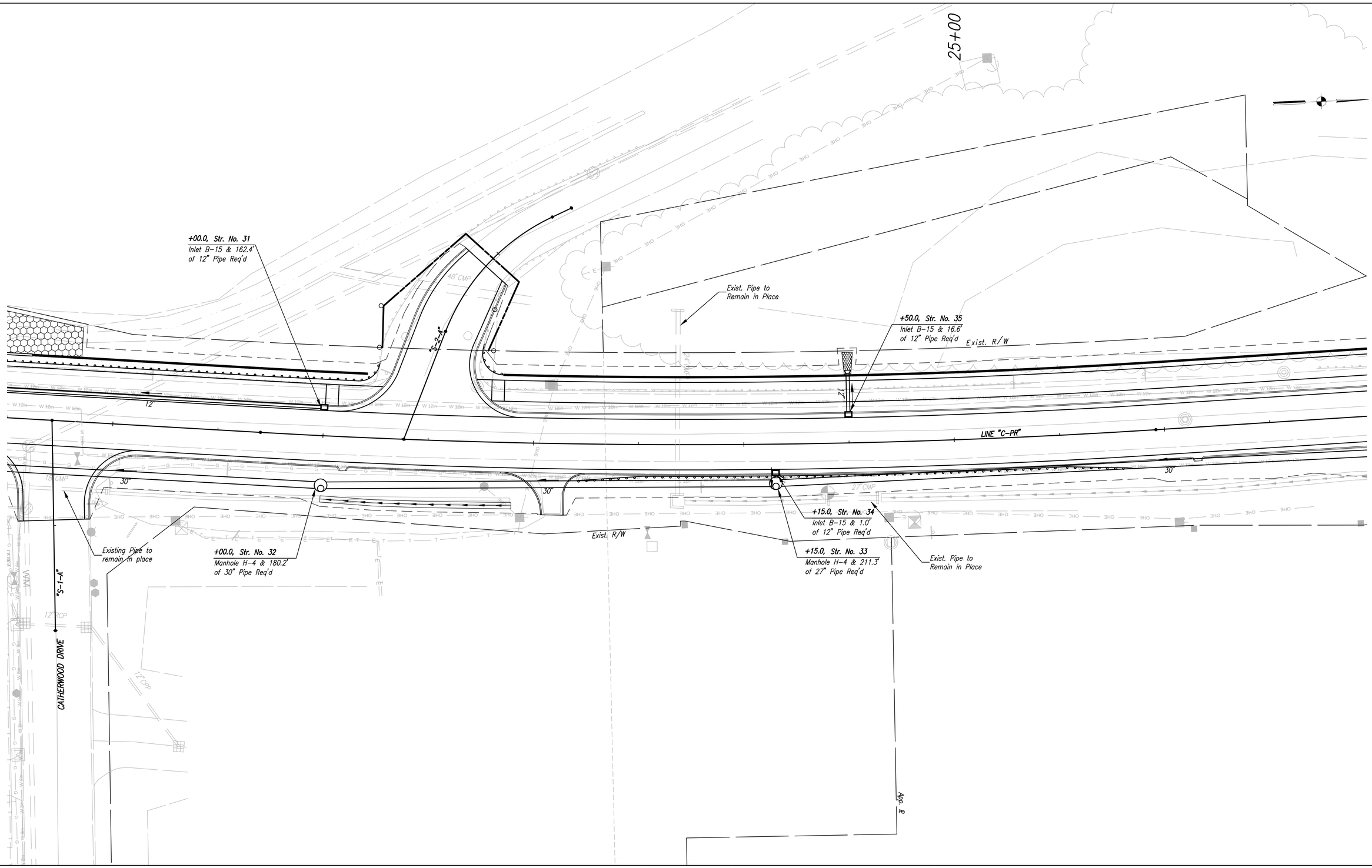
CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 15+50 to 21+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	93 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Drainage\detail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



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CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 21+00 to 26+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	94 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Drainage\Detail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

30+00

App. ℄

Exist. R/W

Exist. R/W

+25.0, Str. No. 36
Inlet B-15 & 16.6'
of 12" Pipe Req'd

+00 Str. No. 38
Inlet B-15 & 19.9'
of 12" Pipe Req'd

+60.0, Str. No. 42
Inlet B-15 & 27.6'
of 12" Pipe Req'd

12"

12"

12"

W 12in W 12in W 12in W 12in W 12in

Line "C-PR"

Existing Inlet and
Pipe to be Removed

30"

30"

30"

30"

12" RCP

OHE

+70.0, Str. No. 37
Manhole H-4 & 352.1'
of 30" Pipe Req'd

+40.0, Str. No. 39
Manhole K-15 Mod. & 166.3'
of 30" Pipe Req'd

+65.0, Str. No. 40
Inlet B-15 & 66.7'
of 12" Pipe Req'd

+20.0, Str. No. 41
Manhole K-15 Mod. & 77.9'
of 30" Pipe Req'd

Exist. R/W

8" CLAY

6' D.U.&C.A.T.V. EASEMENT

6' D.U.&C.A.T.V. EASEMENT

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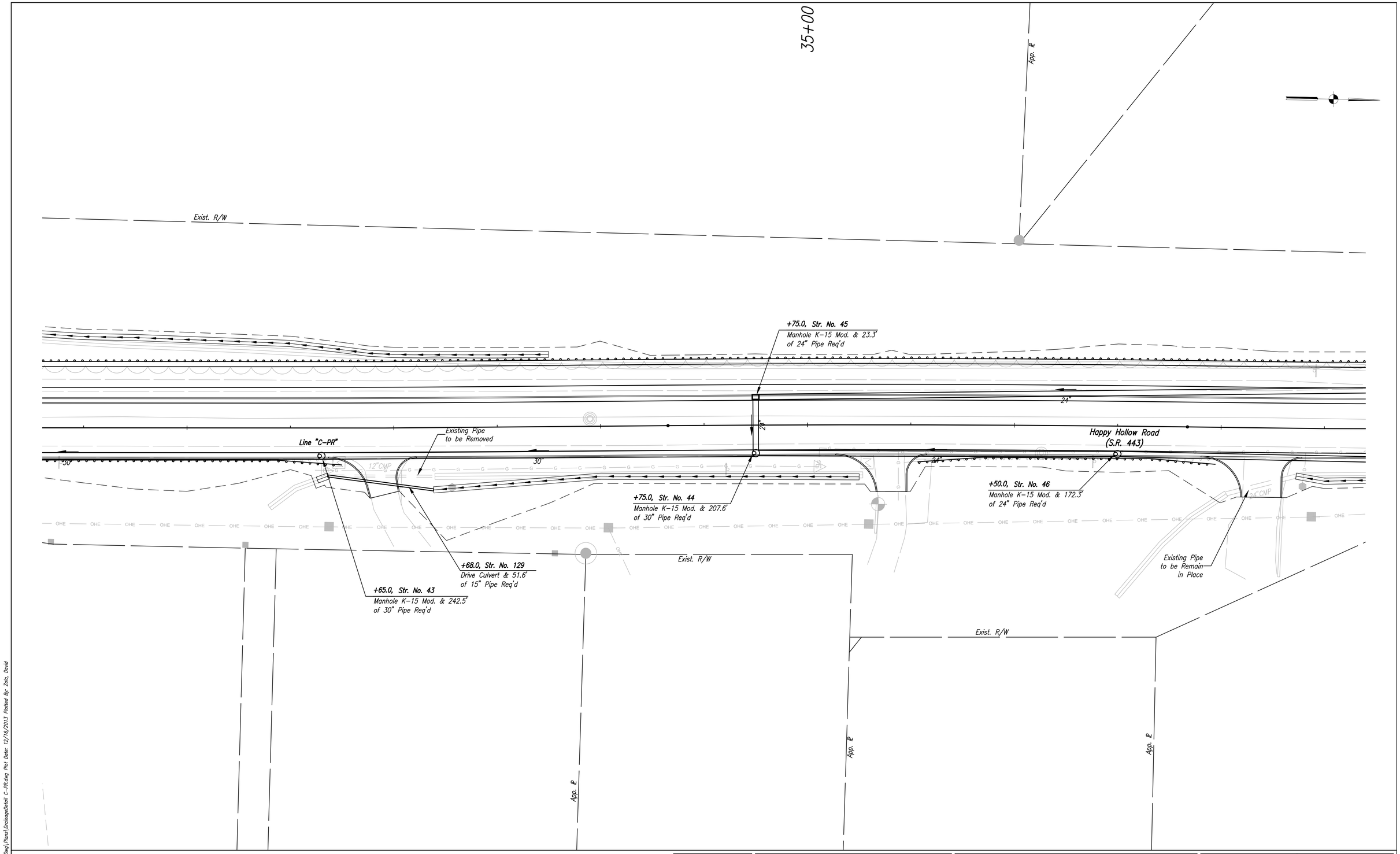
CHECKED: BJP

CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 26+50 to 32+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	95 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CIS\10-401\Road\Dwg\Plans\Drainage\Detail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



File Name: P:\C3D\10-401\Road\Dwg\Plans\DrainageDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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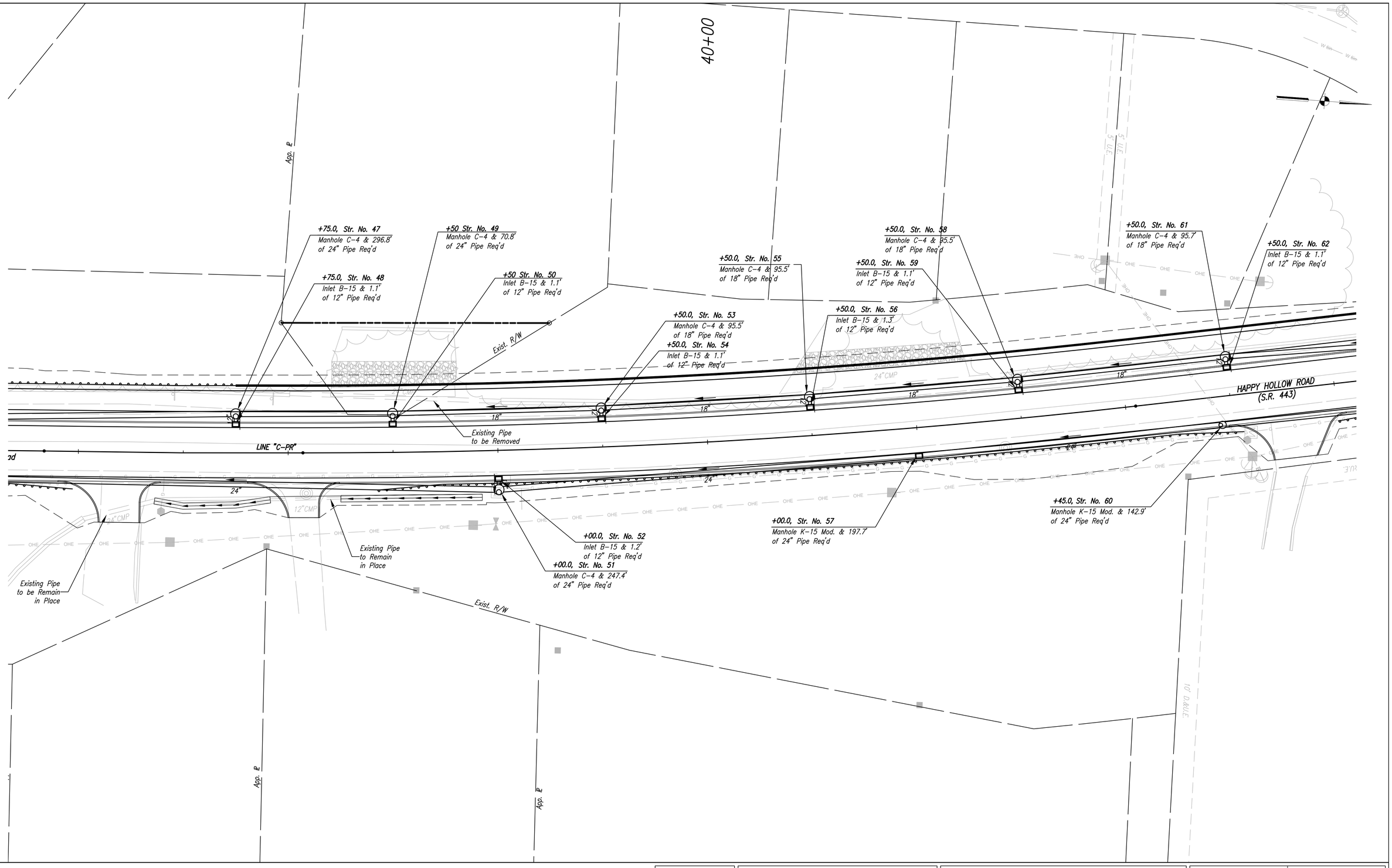
CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 32+00 to 37+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	96 of 174
CONTRACT	PROJECT
R-32947	0900002



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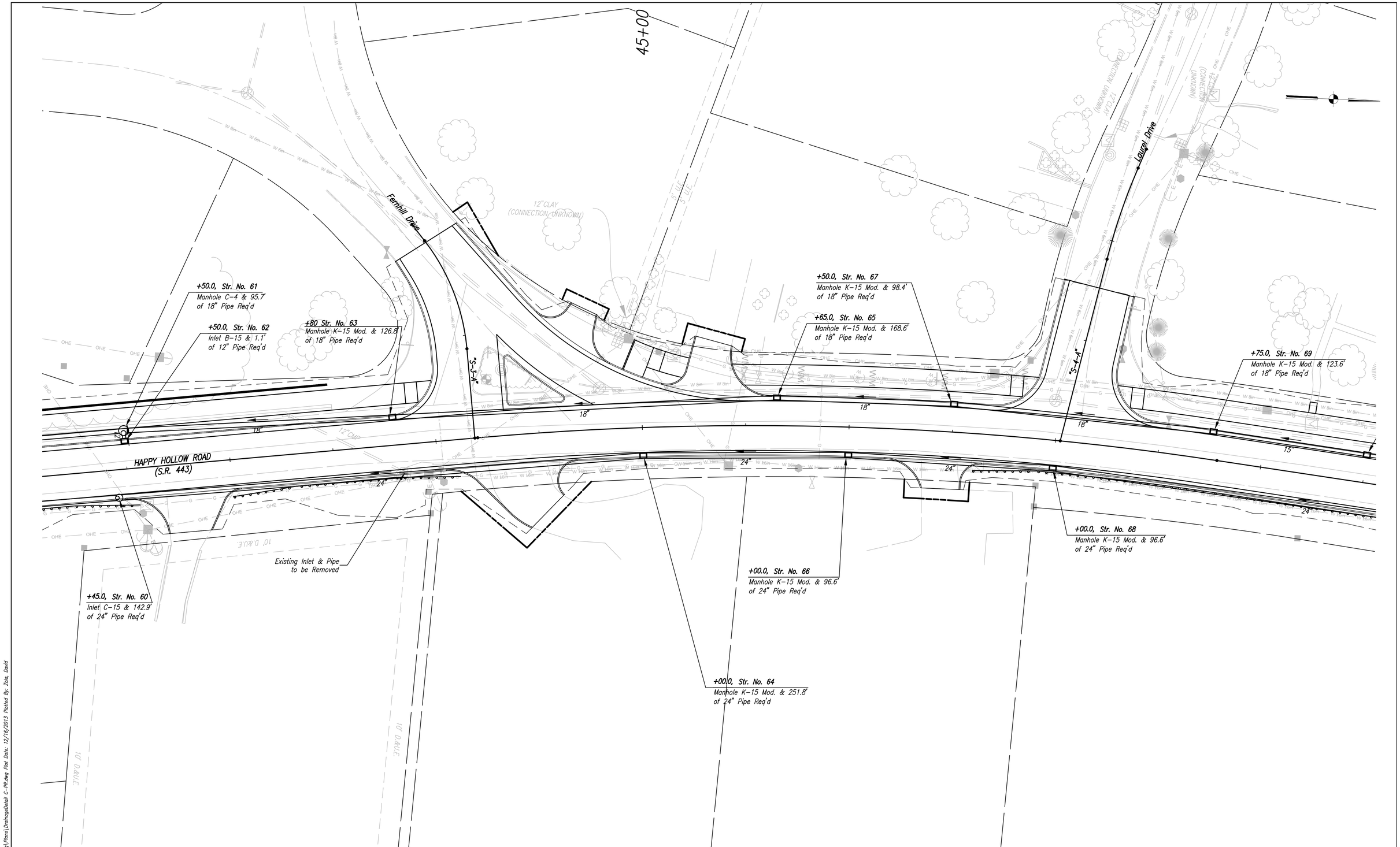
CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 37+50 to 42+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	97 of 174
CONTRACT	PROJECT
R-32947	0900002



File Name: P:\C3D\10-401\Road\Dwg\Plans\DrainageDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 42+50 to 48+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	98 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\DrainageDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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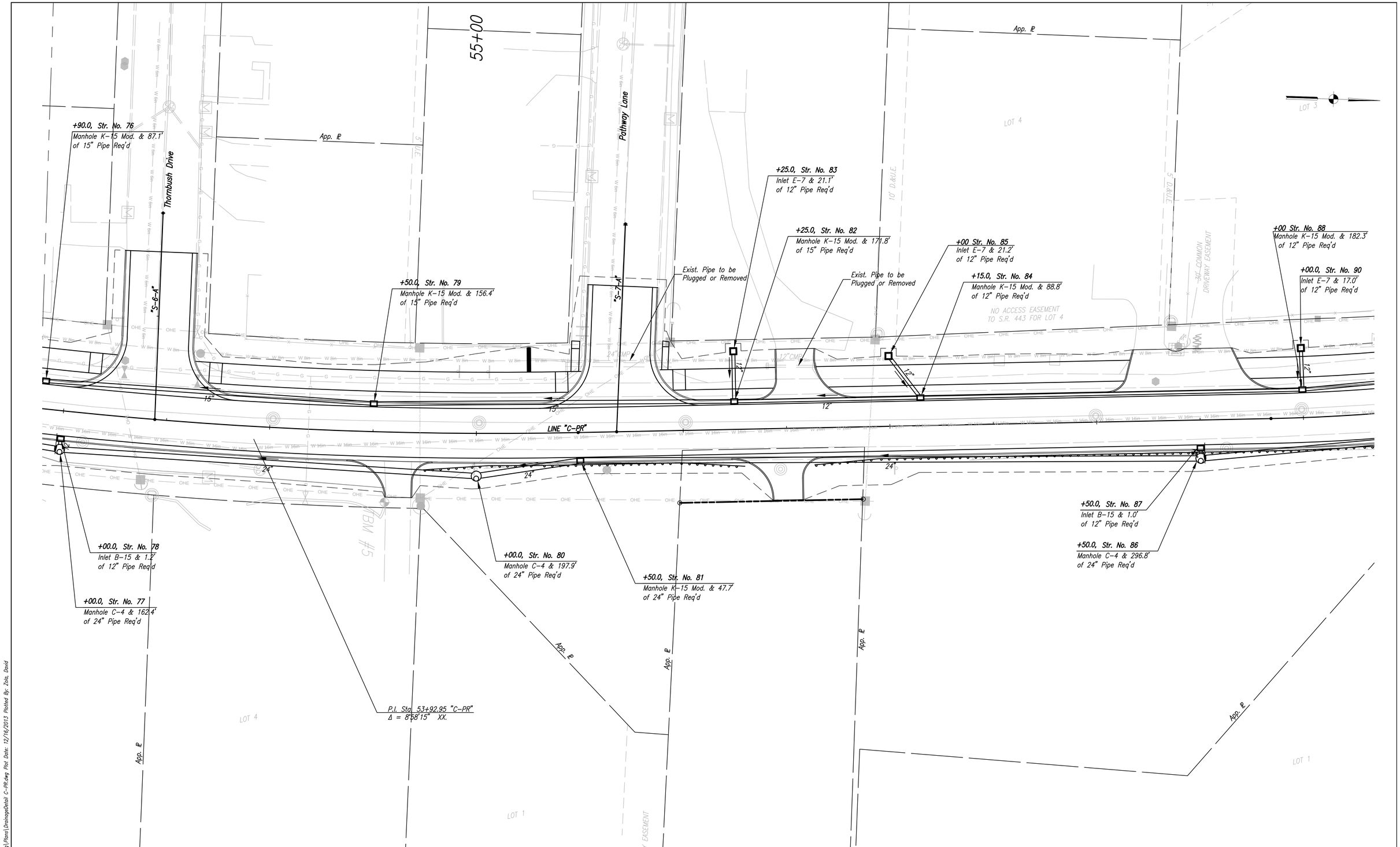
CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 48+00 to 53+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	99 of 174
CONTRACT	PROJECT
R-32947	0900002



File Name: P:\C3D\10-401\Road\Dwg\Plans\DrainageDetail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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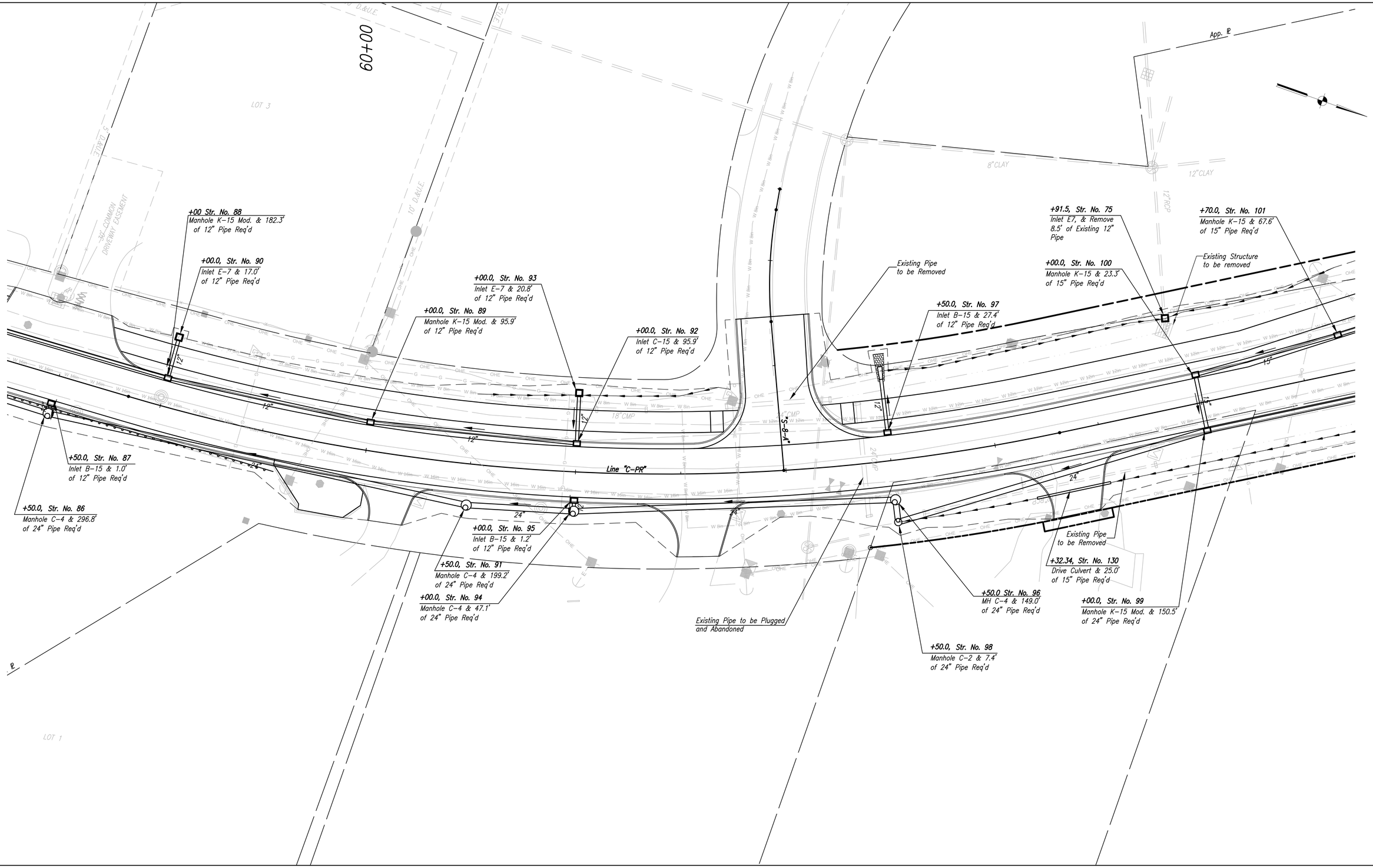
DRAINAGE DETAILS
LINE "C-PR" 53+50 to 59+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	100 of 174
CONTRACT	PROJECT
R-32947	0900002



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DRAINAGE DETAILS
LINE "C-PR" 59+00 to 64+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	101 of 174
CONTRACT	PROJECT
R-32947	0900002

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65+00

70+00

App. ℄

+91.5, Str. No. 75
Inlet E7, Remove 8.5' of Existing 12" Pipe

Existing Structure to be removed

+00.0, Str. No. 100
Manhole K-15 & 23.3' of 15" Pipe Req'd

+70.0, Str. No. 101
Manhole K-15 & 67.6' of 15" Pipe Req'd

+40.0, Str. No. 102
Manhole K-15 Mod. & 67.9' of 15" Pipe Req'd

+20.0, Str. No. 104
Manhole C-4 & 77.0' of 12" Pipe Req'd

+20.0, Str. No. 105
Inlet B-15 & 2.3' of 12" Pipe Req'd

+00.0, Str. No. 106
Manhole C-4 & 76.0' of 12" Pipe Req'd

+00.0, Str. No. 107
Inlet B-15 & 2.3' of 12" Pipe Req'd

+80.0, Str. No. 109
Manhole C-4 & 76.0' of 12" Pipe Req'd

+80.0, Str. No. 110
Inlet B-15 & 2.3' of 12" Pipe Req'd

+87.50, Str. No. 134
Existing Inlet to Remian
Adjust Casting to Grade

+60.0, Str. No. 112
Inlet C-15 & 77.0' of 12" Pipe Req'd

Chippewa Street

+35.0, Str. No. 113
Inlet B-15 & 45.2' of 12" Pipe Req'd

+75.0, Str. No. 114
Inlet C-15 & 112.5' of 12" Pipe Req'd

+47.33, Str. No. 140
Remove Existing Inlet and Pipe

+00.0, Str. No. 103
Manhole K-15 Mod. & 197.5' of 18" Pipe Req'd

Line "C-PR"

+00.0, Str. No. 99
Manhole K-15 Mod. & 154.3' of 24" Pipe Req'd

Existing Pipe to be Removed

+66.98, Str. No. 131
Drive Culvert & 29.9' of 15" Pipe Req'd

+35.00 Str. No. 132
Drive Culvert & 33.3' of 15" Pipe Req'd

Existing Pipe to be Removed

+00 Str. No. 108
Manhole K-15 Mod. & 97.5' of 18" Pipe Req'd

+02.50, Str. No. 133
Drive Culvert & 30.0' of 15" Pipe Req'd

Existing Pipe to be removed

+50.0, Str. No. 111
Manhole K-15 Mod. & 147.5' of 18" Pipe Req'd

+27.59, Str. No. 139
Remove 3.2' of Existing 12" CPP & Tie-In to Proposed Ditch

+75 Str. No. 115
Manhole K-15 Mod. & 122.5' of 18" Pipe Req'd

D.&U.E.&C.A.

D.U.&I.E.E.&C.A.

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CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 64+50 to 69+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	102 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301\10-401\Road\Dwg\Plans\Drainage Details\ C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

70+00

75+00

Chippewa Street

+35.0, Str. No. 113
Inlet B-15 & 45.2'
of 12" Pipe Req'd

+75.0, Str. No. 114
Inlet C-15 & 112.5'
of 12" Pipe Req'd

+50.0, Str. No. 116
Inlet B-15 & 72.5'
of 12" Pipe Req'd

+50.0, Str. No. 122
Inlet B-15 & 112.5'
of 12" Pipe Req'd

+47.33, Str. No. 140
Remove Existing Inlet
and Pipe

+35.0, Str. No. 120
Inlet C-15 & 26.3'
of 12" Pipe Req'd

+75 Str. No. 115
Manhole K-15 Mod. & 122.5'
of 18" Pipe Req'd

+60.0, Str. No. 117
Manhole K-15 Mod. & 82.5'
of 18" Pipe Req'd

+35.0, Str. No. 119
Inlet C-15 & 5.4'
of 12" Pipe Req'd

+35.0, Str. No. 118
Manhole C-4 & 72.3'
of 18" Pipe Req'd

+90.0, Str. No. 124
Inlet B-15 & 6.0'
of 12" Pipe Req'd

+90.0, Str. No. 123
Manhole C-4 & 86.4'
of 12" Pipe Req'd

+90.0, Str. No. 125
MH C-4 & 97.0'
of 12" Pipe Req'd

Existing Pipe to be
Plugged or Removed

+00.0, Str. No. 121
Manhole K-15 Mod. & 61.4'
of 15" Pipe Req'd

+17.0, Str. No. 126
Inlet C-15 & 25.8'
of 12" Pipe Req'd

+15.71, Str. No. 127
11.8' of 12" Pipe Req'd
(Connect to Existing Pipe)

15' D.U.&C.A.T.V. EASEMENT

15' D.U.&C.A.T.V.&SIDEWALK EASEMENT

App. ℄

D.U.&U.E.&C.A.

D.U.&U.E.E.&C.A.

Villefranche Drive

Happy Hollow Road
(S.R. 443)

12"CMP

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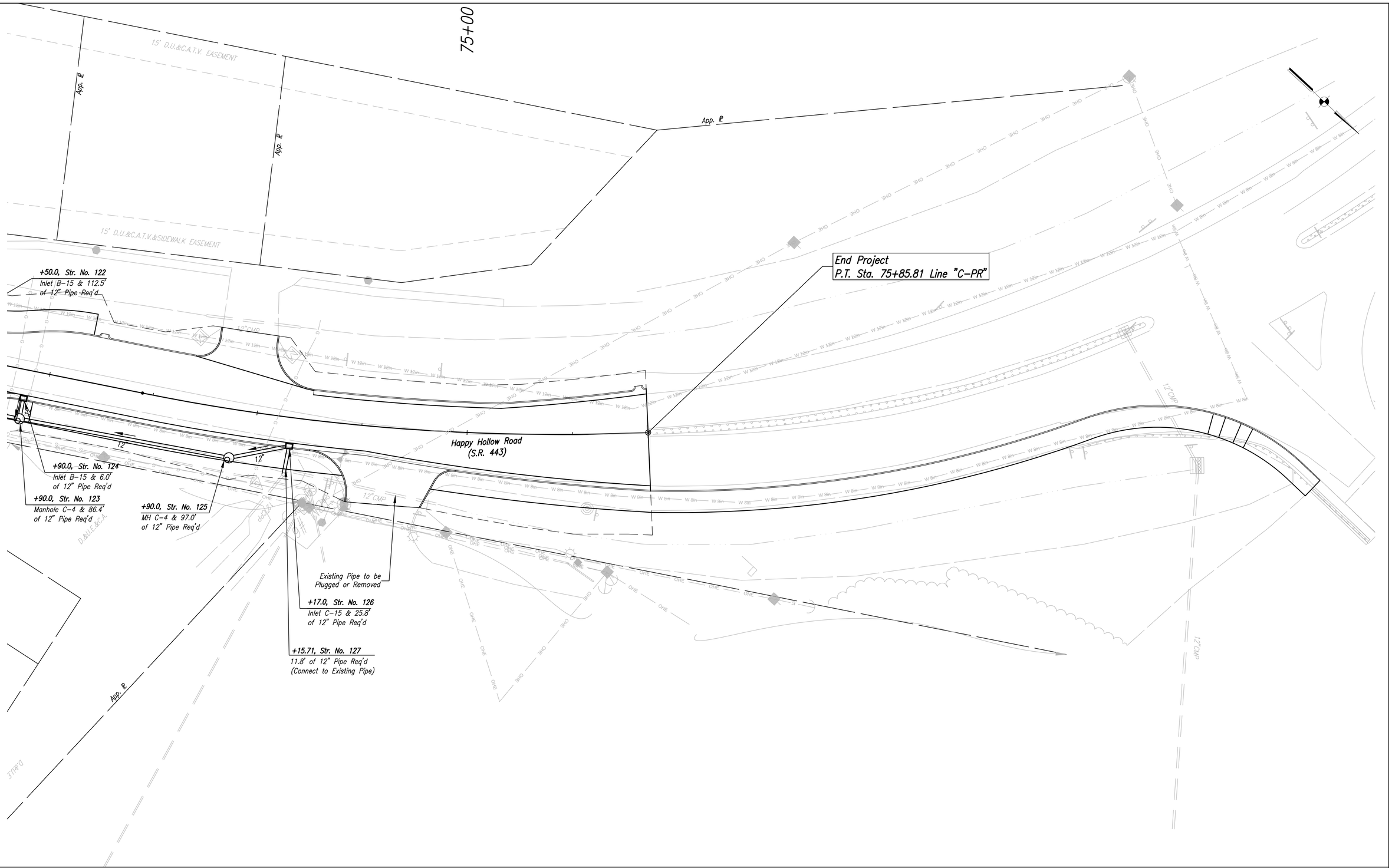
CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 69+50 to 74+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	103 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\LC3D\ 10-4011\Road\Dwg\Plans\Drainage\Detail C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



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CITY OF WEST LAFAYETTE

DRAINAGE DETAILS
LINE "C-PR" 74+00 to 75+85.81

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
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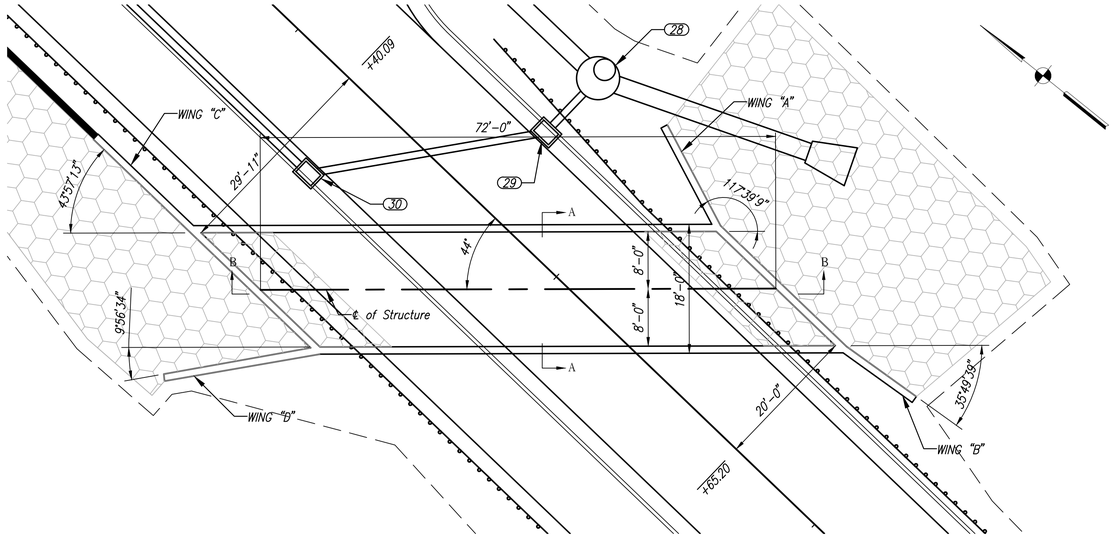
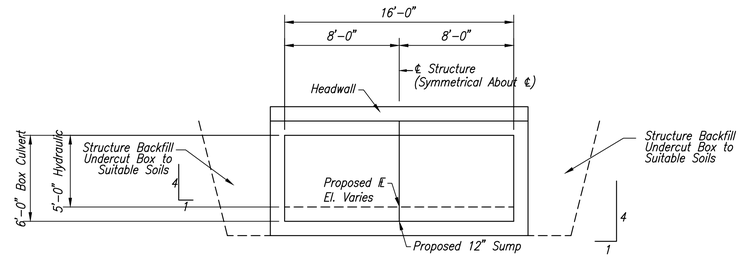
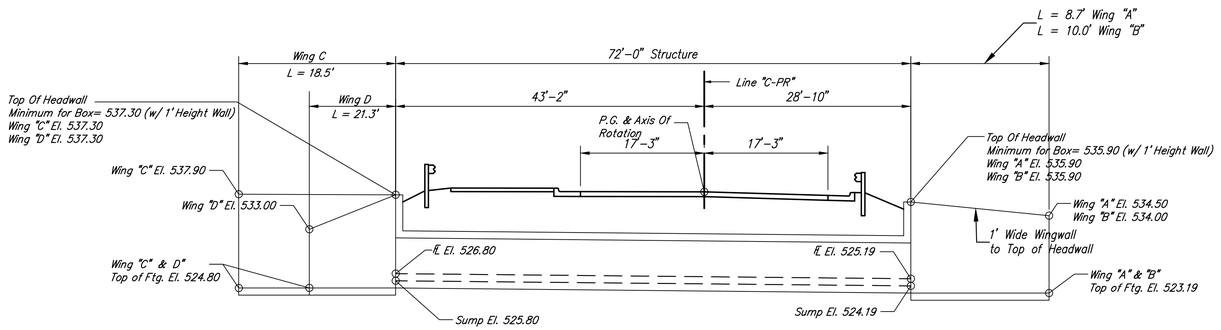
CONTRACT	PROJECT
R-32947	0900002



PLAN VIEW



SECTION A-A
Scale 1:5



SECTION B-B

WINGWALL SOIL PARAMETERS

Angle of friction between wingwall footing and foundation soil	(δ)	= 32°
Angle of internal friction of the foundation soil	(ϕ)	= 32°
Ultimate cohesion of foundation soil	(C_u)	= 0 psf
Ultimate adhesion between foundation soil and concrete	(C_A)	= 0 psf

DESIGN DATA

LIVE LOAD : HL-93 loading with impact and distribution of loads in accordance with 2007 AASHTO LRFD and Bridge Design Specifications and 2008 Interim Revisions.

FOUNDATIONS: Spread footing sizing is to be designed in accordance with AASHTO LRFD Specifications.

NOTES:

Cross-Hatched Areas Indicate Limits Of Class I Riprap And Geotextiles (For Quantities, See Sheet No. 155.)

Allowable soil bearing pressure = 2000 lbs./sft.

PRECAST MEGA BOX STRUCTURE

HAPPY HOLLOW ROAD OVER HAPPY HOLLOW DITCH

1 SPAN: 16'-0" RISE: 6' SKEW: 43.9° LT.

Precast Box Culvert 16' x 6'	72.0'
Structure Backfill, Type 2	465.5 cys.

ESTIMATED QUANTITIES
PRECAST BOX CULVERT

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STRUCTURE NO. 1
GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 10' (unless noted)	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	105 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-4011\Road\Dwg\Plans\Structure7.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

10+00

15+00

P.C. Sta. 13+02.55 Line "C–PR"

Line "C–PR"
Happy Hollow Road
(S.R. 443)

N 43°57'35" W

R/W

R/W

R/W

R/W

N 19°52'36" E

P.I. Sta. 54+00.00 Line "PR–A"

EROSION CONTROL LEGEND

- Curb Inlet Protection
- Silt Fence
- Temporary Ditch Inlet Protection
- Temporary Check Dam, Modified

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EROSION CONTROL DETAILS
LINE "C–PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

20+00

P.T. Sta. 18+67.14 Line "C-PR"

N 5°48'29" E

N 5°48'29" E

"S-1-A"
S 88°25'57" E

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	107 of 174
CONTRACT	PROJECT
R-32947	0900002

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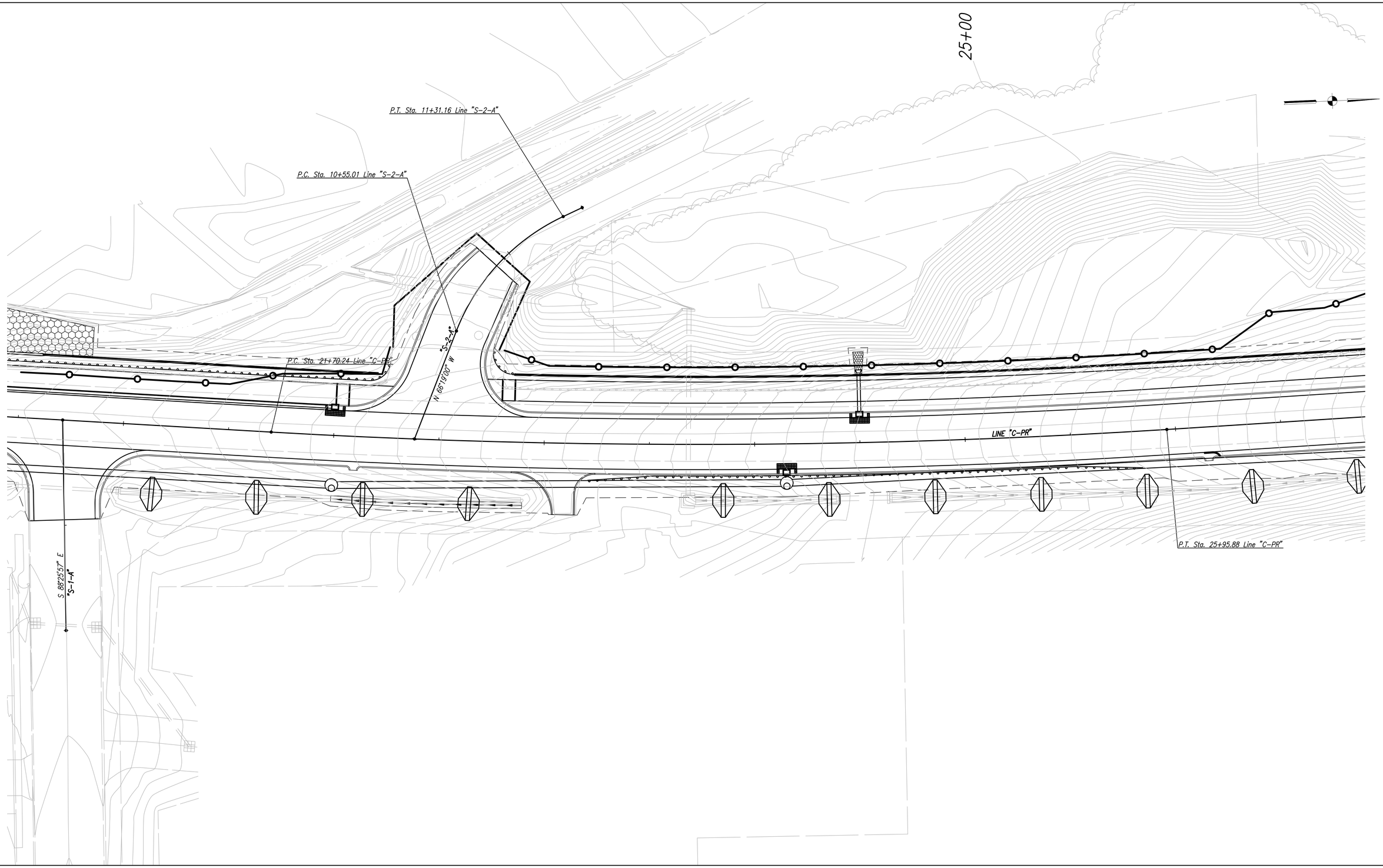

EROSION CONTROL LEGEND

- Curb Inlet Protection
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CITY OF WEST LAFAYETTE

EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

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File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

30+00

N 1°09'35" W

P.T. Sta. 25+95.88 Line "C-PR"

Drive		South Radius			North Radius		
		Center Location			Center Location		
Station	Side of Road	Station	Offset	Radius (ft)	Station	Offset	Radius (ft)
29+94.2	Rt.	29+46.06	42.00	20.0	30+08.07	24.08	10.0

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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File Name: P:\CSD\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

35+00

P.I. Sta. 32+95.28 Line "C-PR"

P.C. Sta. 34+32.58 Line "C-PR"

P.T. Sta. 36+83.71 Line "C-PR"

N 1°40'35" W

N 0°26'48" W

N 1°09'35" W

Line "C-PR"

Happy Hollow Road
(S.R. 443)

N

N

EROSION CONTROL LEGEND

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CITY OF WEST LAFAYETTE

EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntrl-Ditls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zeis, David

40+00

P.T. Sta. 36+83.71 Line "C-PR"

Brushline

Brushline

P.T. Sta. 42+04.84 Line "C-PR"

N 7°40'18" W

N 0°26'48" W

N 1°09'35" W

LINE "C-PR"

P.C. Sta. 38+07.04 Line "C-PR"

EROSION CONTROL LEGEND

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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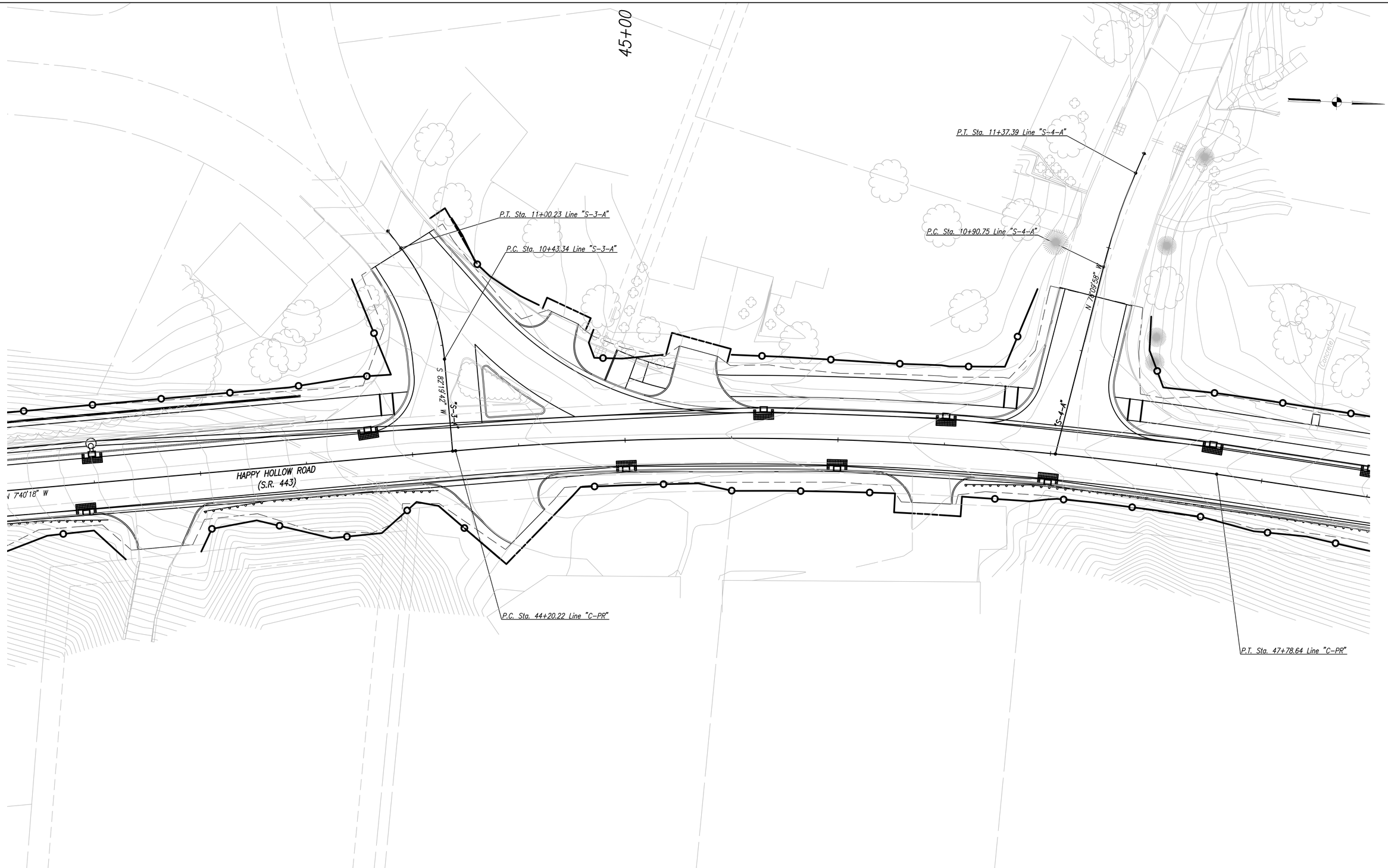
File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntr-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



EROSION CONTROL LEGEND

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
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50+00

S 89°54'39" W

"S-5-A"

P.C. Sta. 52+36.05 Line "C-PR"

"S-6-A"

LINE "C-PR"

N 6°01'09" E

LINE "C-PR"

P.T. Sta. 47+78.64 Line "C-PR"

* See Detail A, Miscellaneous Details.

EROSION CONTROL LEGEND

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

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File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

55+00

"S-6-A"

N 89°21'17" W

"S-7-A"

N 2°57'06" W

LINE "C-PR"

P.C. Sta. 58+84.28 Line "C-PR"

P.T. Sta. 55+49.20 Line "C-PR"

EROSION CONTROL LEGEND

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EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

60+00

P.T. Sta. 11+24.25 Line "S-8-A"

P.C. Sta. 10+70.91 Line "S-8-A"

S 80°35'09" W

S 65°41'44" W

"S-8-A"

N 31°24'10" W

R/W

P.C. Sta. 58+84.28 Line "C-PR"

P.T. Sta. 63+31.19 Line "C-PR"

EROSION CONTROL LEGEND

- Curb Inlet Protection
- Silt Fence
- Temporary Ditch Inlet Protection
- Temporary Check Dam, Modified

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EROSION CONTROL DETAILS
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	115 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Erosc_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

65+00

70+00

Sidewalk Taper

10" W

Line "C-PR"

N 31°24'10" W

R/W

R/W

R/W

EROSION CONTROL LEGEND

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CITY OF WEST LAFAYETTE

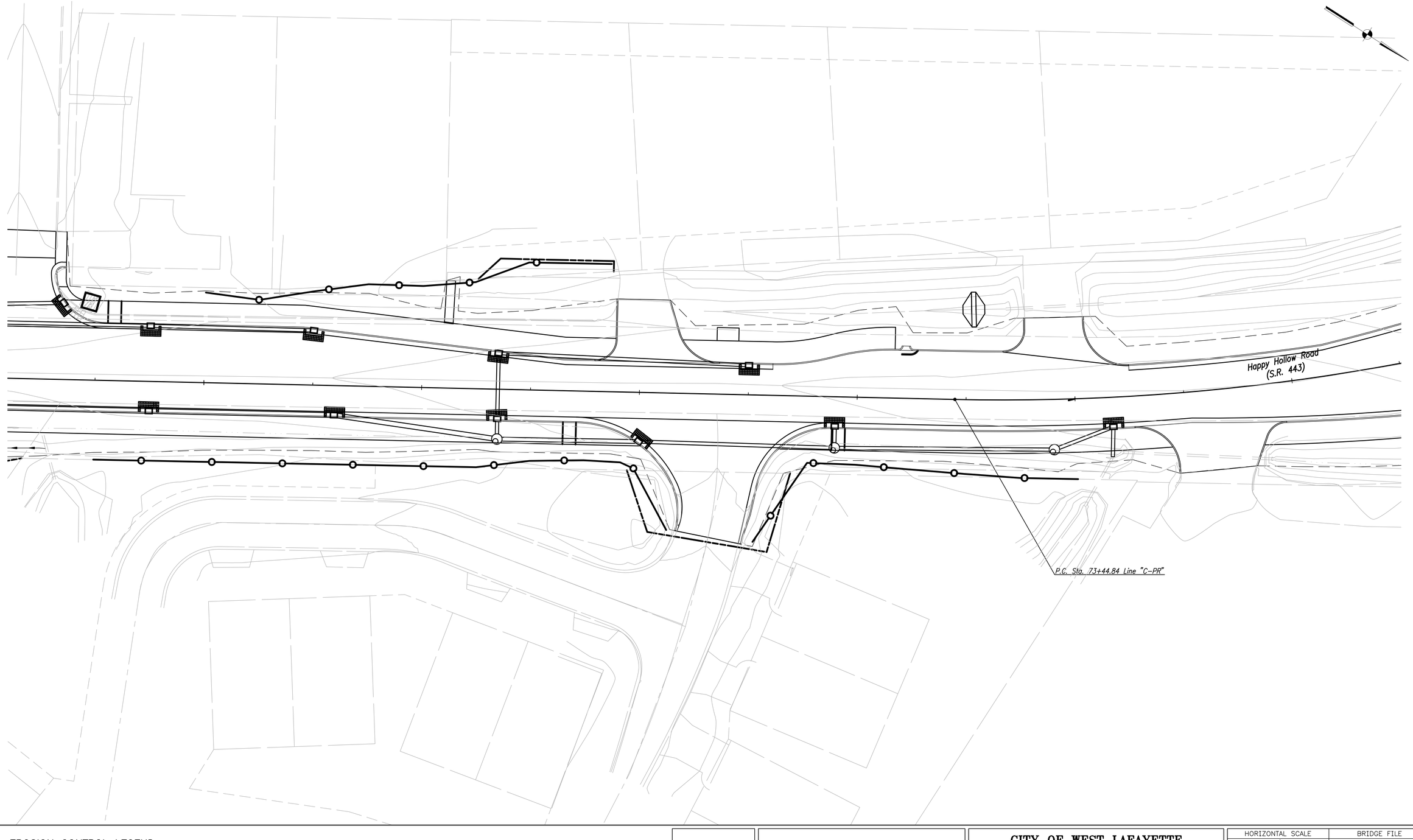
EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	116 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CBD\10-401\Road\Dwg\Plans\Erosc_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

70+00

75+00



EROSION CONTROL LEGEND

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- Silt Fence
- Temporary Ditch Inlet Protection
- Temporary Check Dam, Modified

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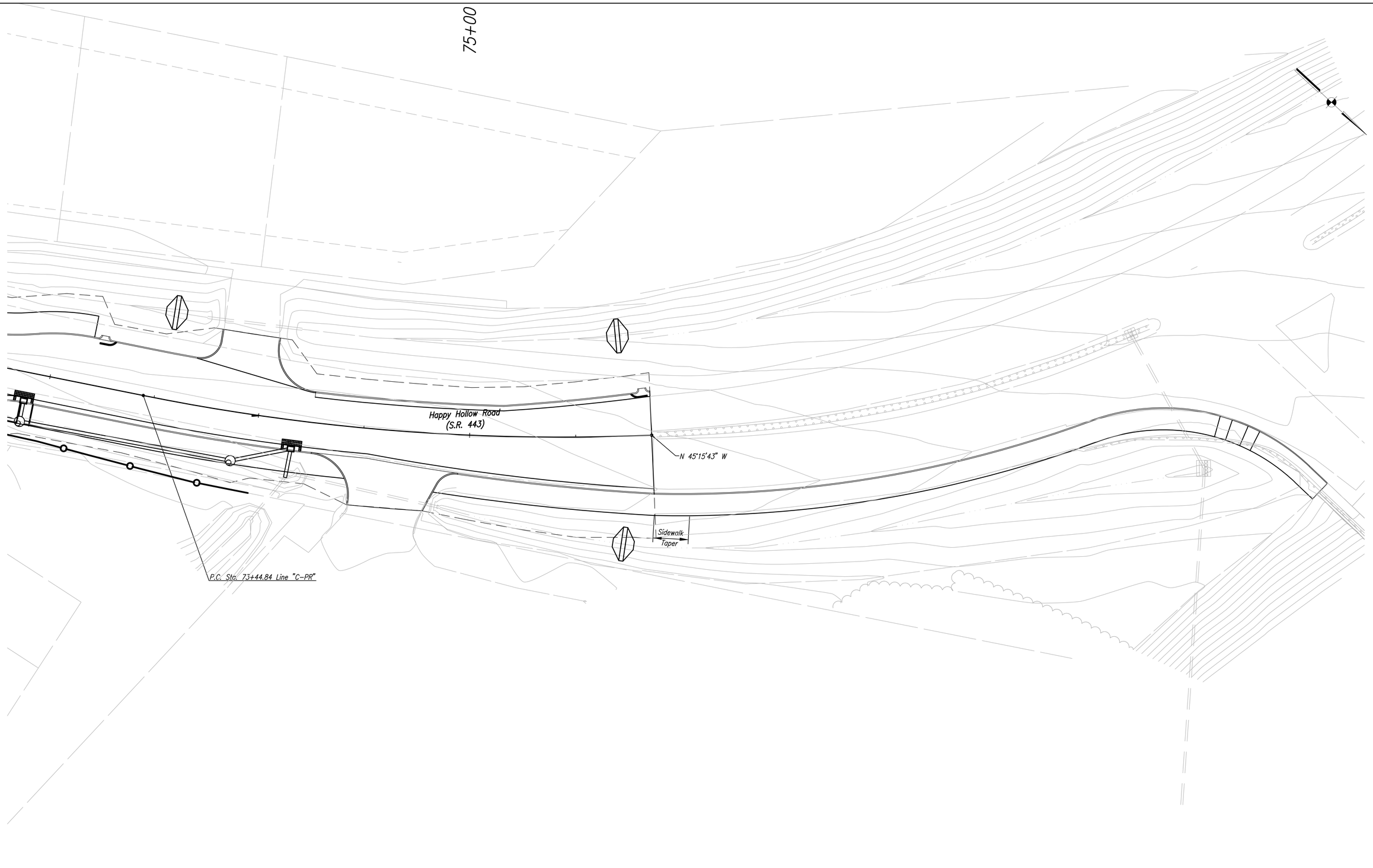
CITY OF WEST LAFAYETTE

EROSION CONTROL DETAILS LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	117 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



EROSION CONTROL LEGEND

- Curb Inlet Protection
- Silt Fence
- Temporary Ditch Inlet Protection
- Temporary Check Dam, Modified

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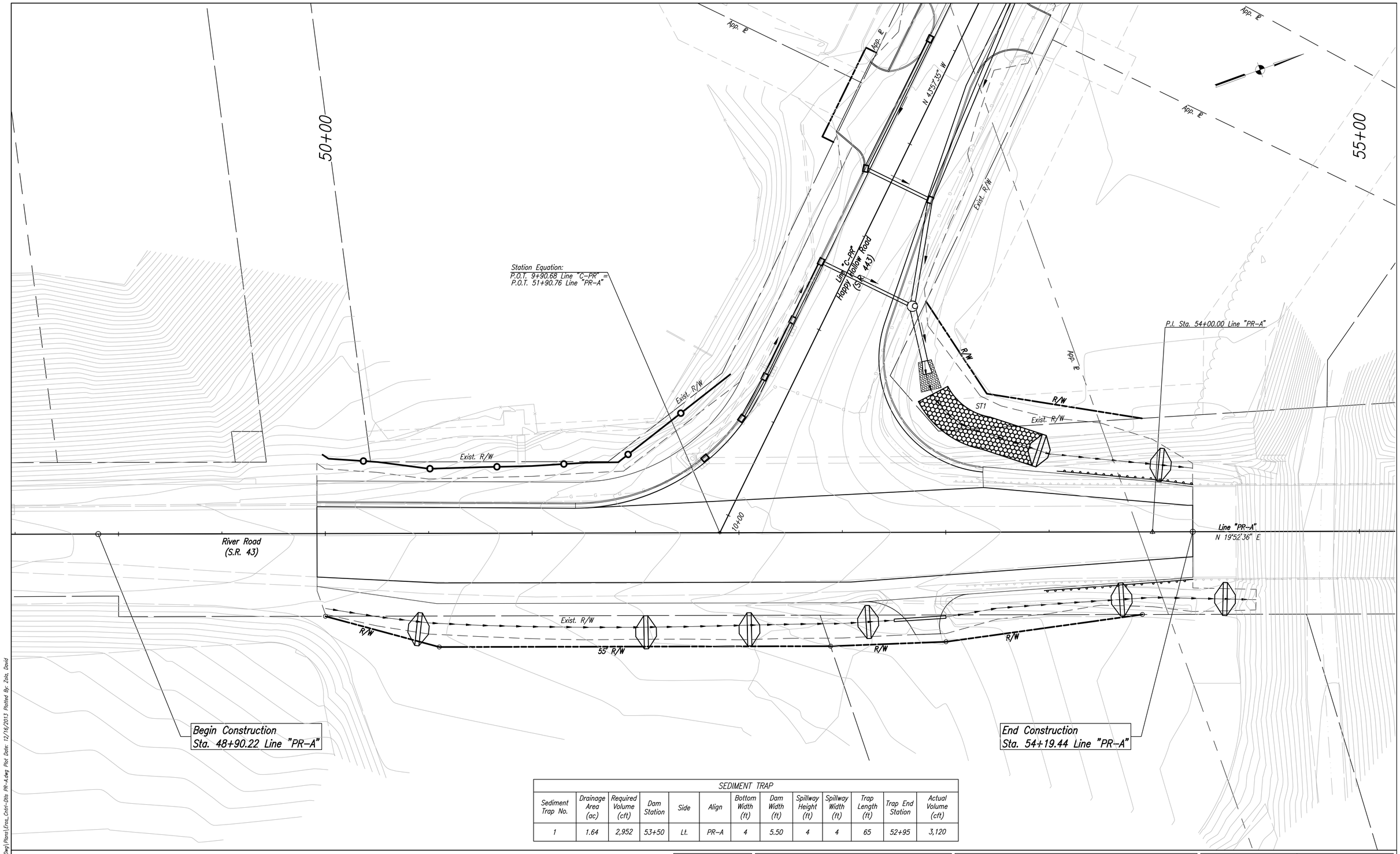
CITY OF WEST LAFAYETTE

EROSION CONTROL DETAILS
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	118 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntr-Ditls C-PR.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SEDIMENT TRAP												
Sediment Trap No.	Drainage Area (ac)	Required Volume (cft)	Dam Station	Side	Align	Bottom Width (ft)	Dam Width (ft)	Spillway Height (ft)	Spillway Width (ft)	Trap Length (ft)	Trap End Station	Actual Volume (cft)
1	1.64	2,952	53+50	Lt.	PR-A	4	5.50	4	4	65	52+95	3,120

EROSION CONTROL LEGEND

- Curb Inlet Protection
- Silt Fence
- Temporary Ditch Inlet Protection
- Temporary Check Dam, Modified
- Sediment Trap

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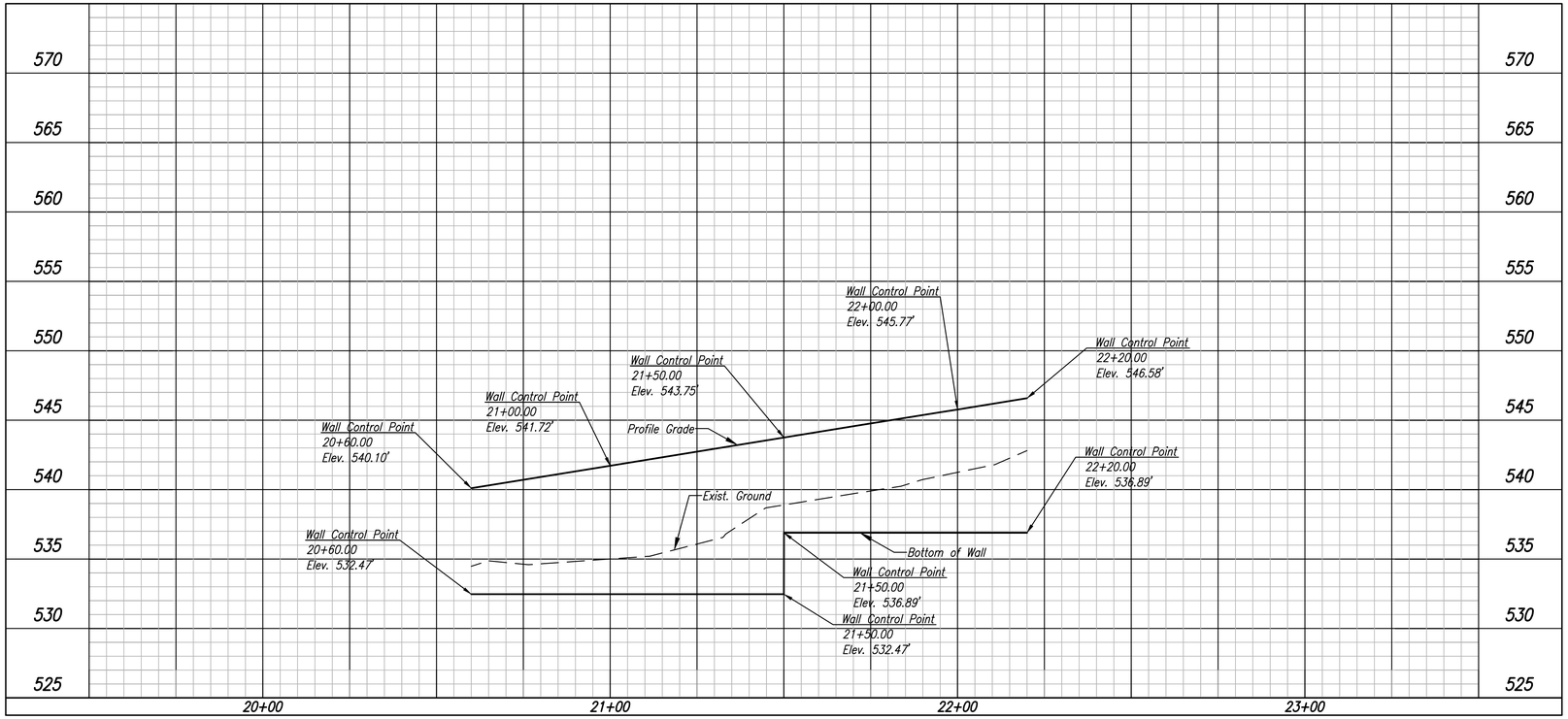
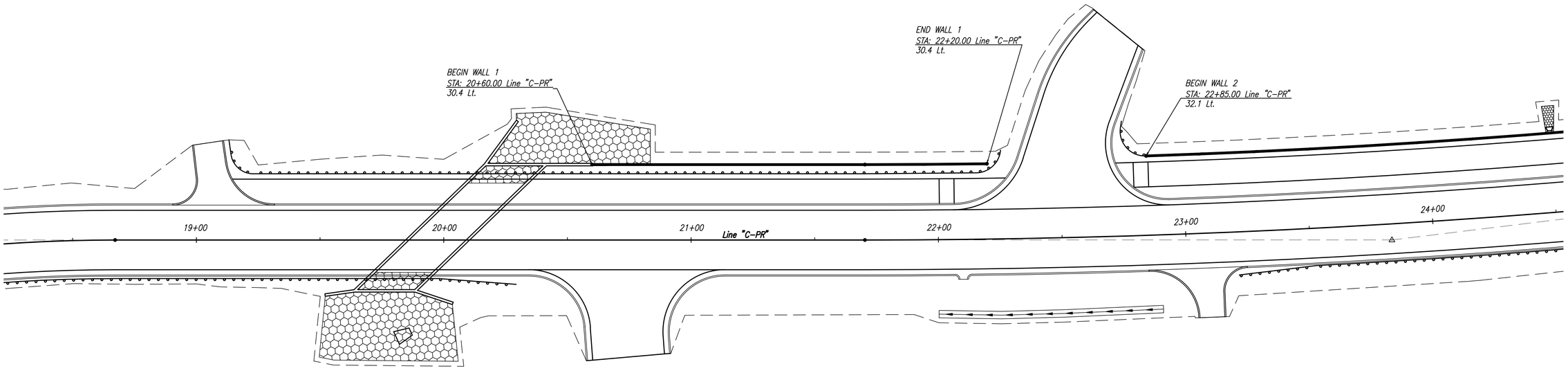
CITY OF WEST LAFAYETTE

EROSION CONTROL LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	119 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Eros_Cntrl-Dtls PR-A.dwg Plot Date: 12/16/2013 Plotted By: Zola, David





SOIL PARAMETERS

Angle of friction between wingwall footing and foundation soil	(δ)	= 32°
Angle of internal friction of the foundation soil	(ϕ)	= 32°
Ultimate cohesion of foundation soil	(C)	= 0 psf
Ultimate adhesion between foundation soil and concrete	(C_A)	= 0 psf

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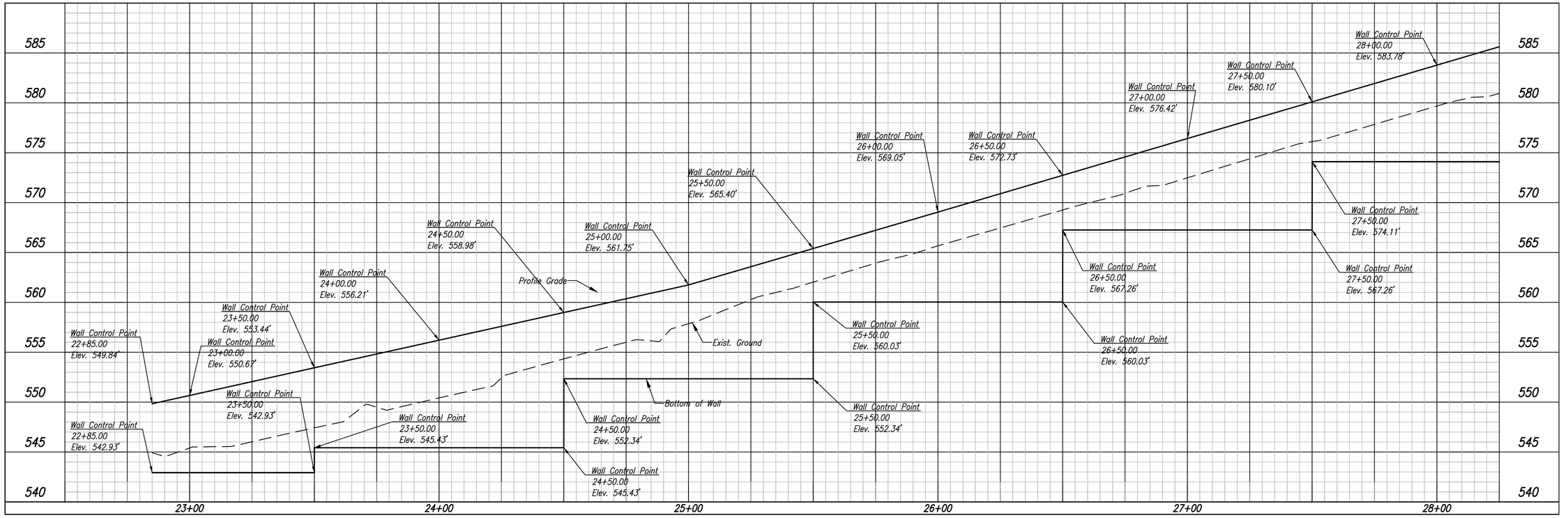
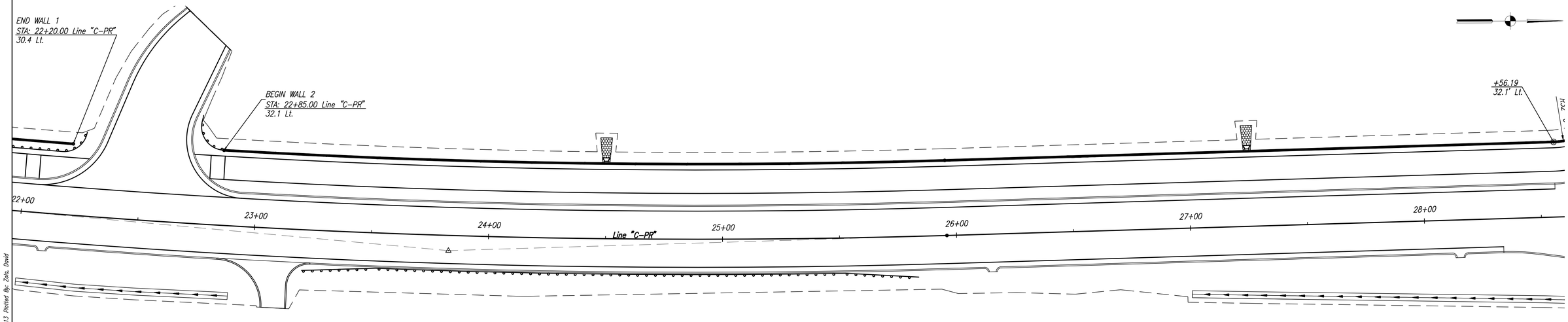
CITY OF WEST LAFAYETTE

RETAINING WALL NO. 1
LINE "C-PR", PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1" = 5'	0900002
SURVEY BOOK	SHEETS
–	120 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Wall Details.dwg Plot Date: 12/16/2013 Plotted By: Zola, David





SOIL PARAMETERS

Angle of friction between wingwall footing and foundation soil	(δ)	= 32°
Angle of internal friction of the foundation soil	(ϕ)	= 32°
Ultimate cohesion of foundation soil	(c)	= 0 psf
Ultimate adhesion between foundation soil and concrete	(C_A)	= 0 psf

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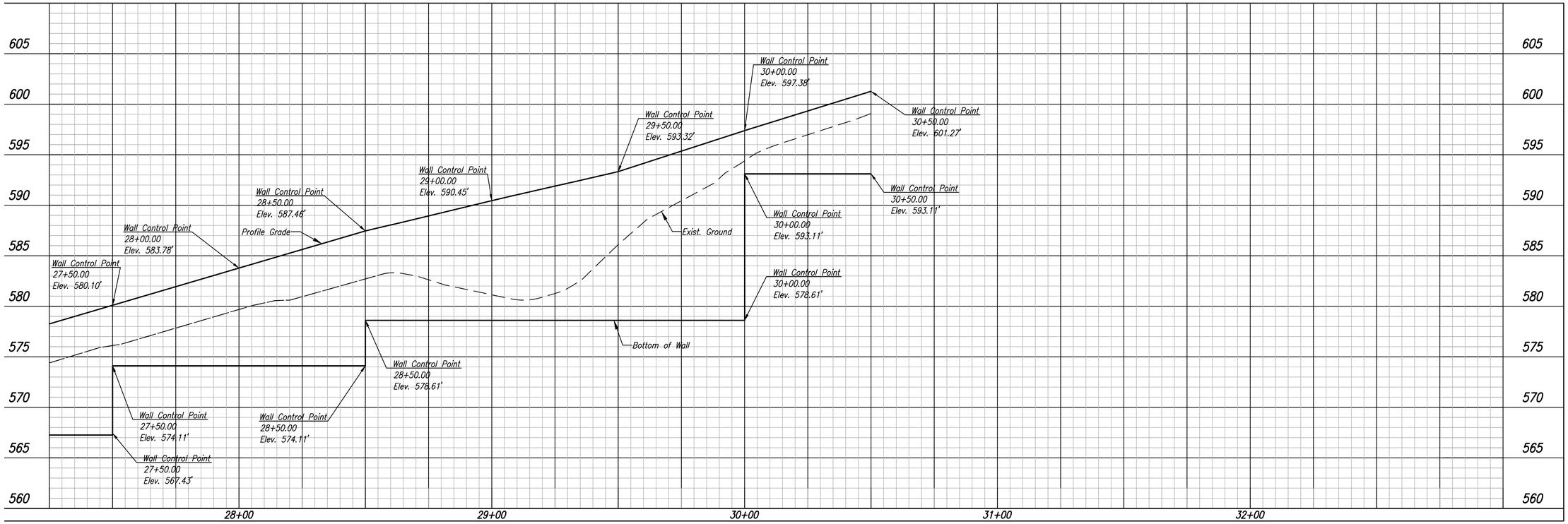
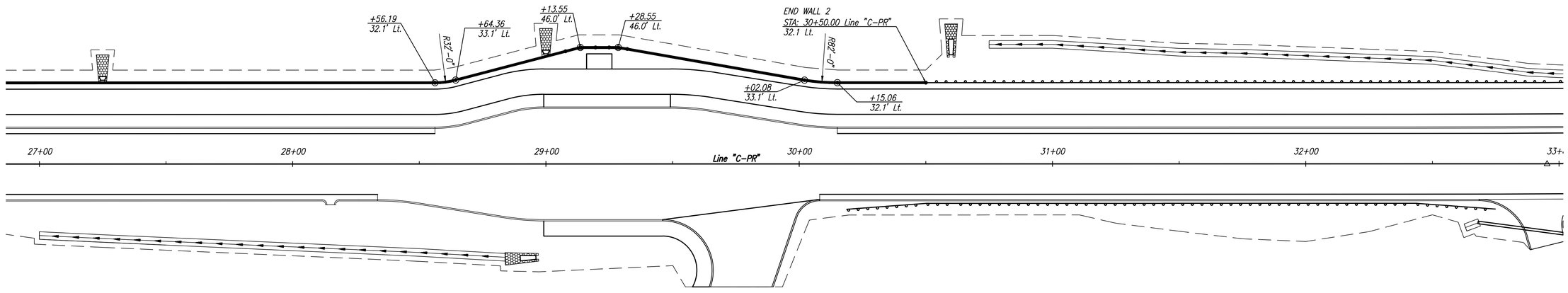
CITY OF WEST LAFAYETTE

RETAINING WALL NO.2
LINE "C-PR", PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	121 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C&S\10-401\Road\Dwg\Plans\Wall Details.dwg Plot Date: 12/16/2013 Plotted By: Zola, David





SOIL PARAMETERS

Angle of friction between wingwall footing and foundation soil (δ) = 32°
Angle of internal friction of the foundation soil (ϕ) = 32°
Ultimate cohesion of foundation soil (C) = 0 psf
Ultimate adhesion between foundation soil and concrete (C_A) = 0 psf

File Name: P:\C30\10-401\Road\Dwg\Plans\Wall Details.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

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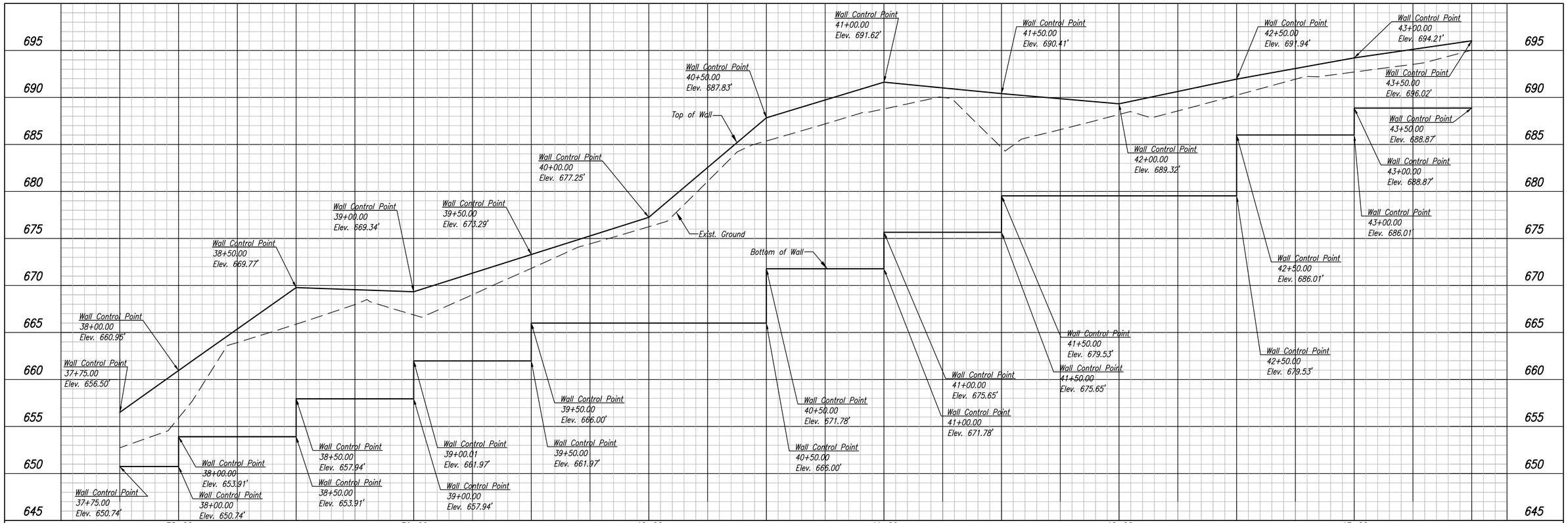
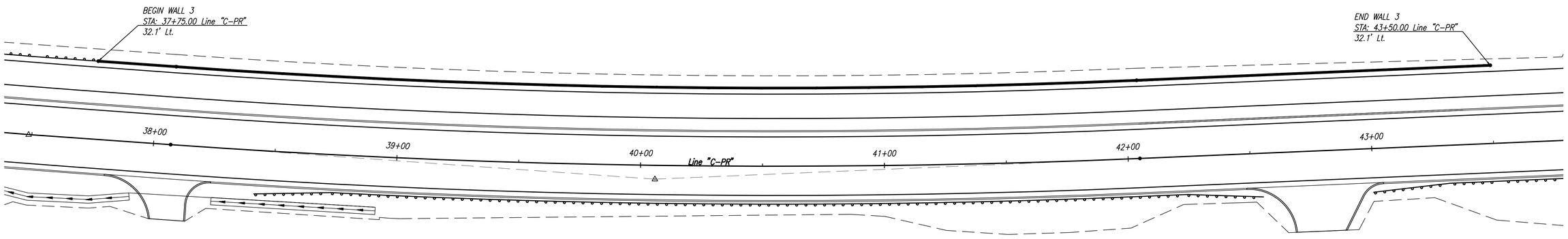
CITY OF WEST LAFAYETTE

RETAINING WALL NO. 2
LINE "C-PR", PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
1"=5'	0900002
SURVEY BOOK	SHEETS
–	122 of 174
CONTRACT	PROJECT
R-32947	0900002





SOIL PARAMETERS

Angle of friction between wingwall footing and foundation soil	(δ)	= 32°
Angle of internal friction of the foundation soil	(ϕ)	= 32°
Ultimate cohesion of foundation soil	(C)	= 0 psf
Ultimate adhesion between foundation soil and concrete	(C_A)	= 0 psf

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CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

RETAINING WALL NO. 3
LINE "C-PR", PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
1"=5'	0900002
SURVEY BOOK	SHEETS
–	123 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Wall Details.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

10+00

15+00

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

Exist. R/W

Begin Project
End Project 1382200
Sta. 11+75.00 Line "C-PR"

STOP

Sta. 10+34.70, Line "C-PR"
R1-1 (STOP) 30x30, 16.5' Lt. (7)

Exist. R/W

App. ℄

App. ℄

App. ℄

1/8 Section Line

Sta. 12+45.52, Line "C-PR"
(BUSINESS SIGN), 33.7' Lt. (1)

← N RIVER Rd
WEST LAFAYETTE →

(8) Sta. 15+15.30, Line "PR-C"
DE-1, 54x30, 23.6' Lt.

Exist. R/W

Line "C-PR"
Happy Hollow Road
(S.R. 443)

N 43°57'35" W

Line "PR-A"
S.R. 43

N 19°52'36" E

SPEED LIMIT 35

(7) Sta. 11+87.27, Line "C-PR"
R2-1 (35) 24x30, 33' Rt.

Exist. R/W

Exist. R/W

1/8 Section Line

P.I. Sta. 54+00.00 Line "PR-A"

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

Exist. R/W

SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 10+04.99 to 15+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	124 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

20+00

JCT
INDIANA 43
M2-1 (21X15)
M1-5 (24X24)

⑦ Sta. 20+38.29, Line "C-PR"
RMA-1 (JNCT), 24x24, 23.3' Lt.

NO LITTERING

⑦ Sta. 21+16.79, Line "C-PR"
H4-5 (NO LITTERING) 12x18
24.8' Lt.

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

Exist. R/W

P.O.T. 20+71.07 "C-PR"=
P.O.T. 10+00.00 Line "S-1-A"

N 5°48'29" E

Line "C-PR"
Happy Hollow Road

N 5°48'29" E

HAPPY HOLLOW PARK

⑦ Sta. 20+22.50, Line "C-PR"
(PARK SIGN) 27x27, 37.7' Rt.

⑦ Sta. 20+91.61, Line "C-PR"
D3-1 (CATHERWOOD DR.) 30x8, 33.5' Rt.
D3-1 (HAPPY HOLLOW RD.) 30x8, 33.5' Rt

STOP

⑦ Sta. 20+92.85, Line "C-PR"
R1-1 (STOP) 30x30, 37.7' Rt.

GAS METER

S 88°25'57" E

"S-1-A"

CATHERWOOD DRIVE

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

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CHECKED: BJP | CHECKED: BJP

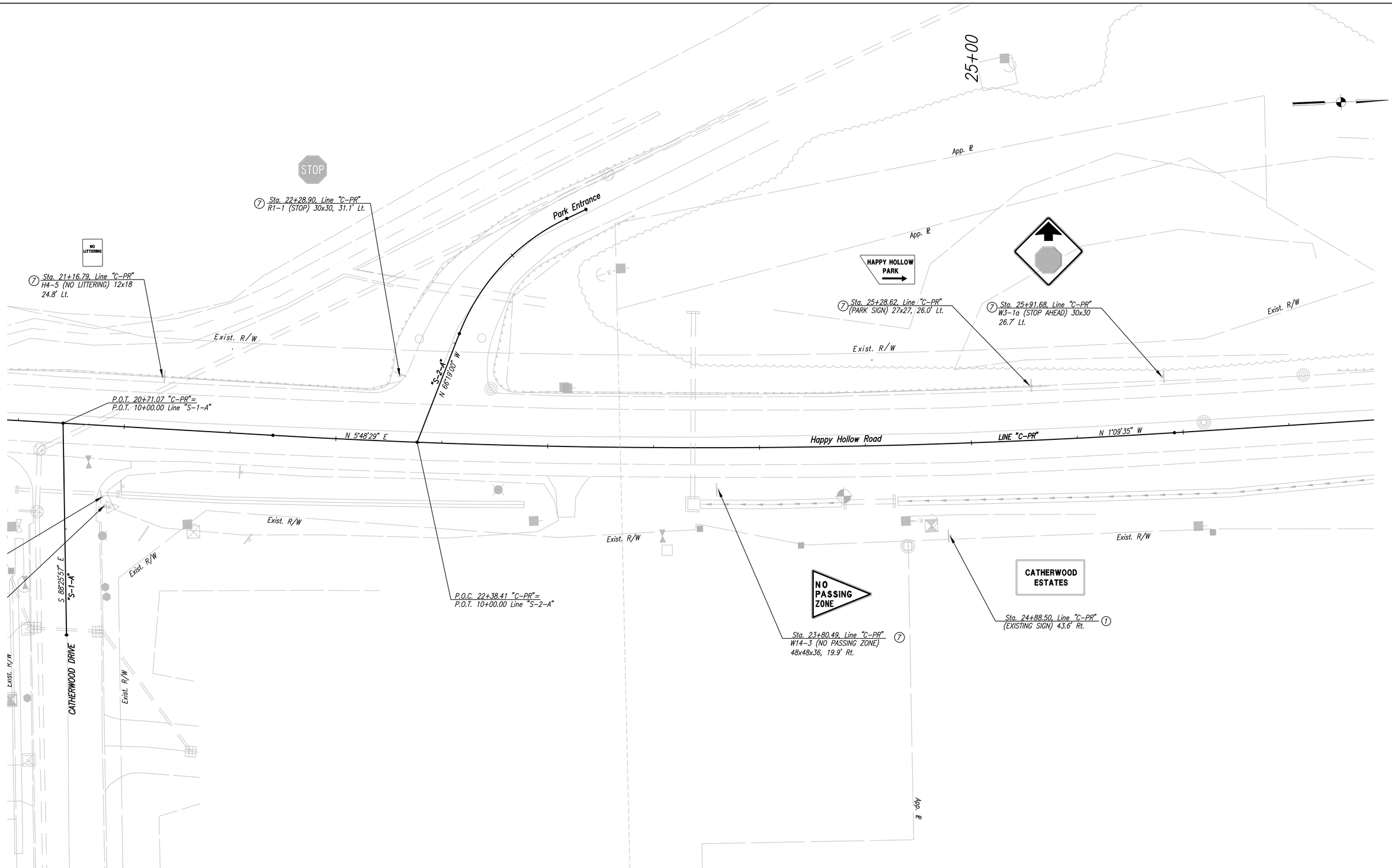
CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 15+50 to 21+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	125 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\EX_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SIGN LEGEND

① No Change Required to Existing Sign and Supports
⑦ Remove Existing Sheet Sign and Supports
⑧ Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

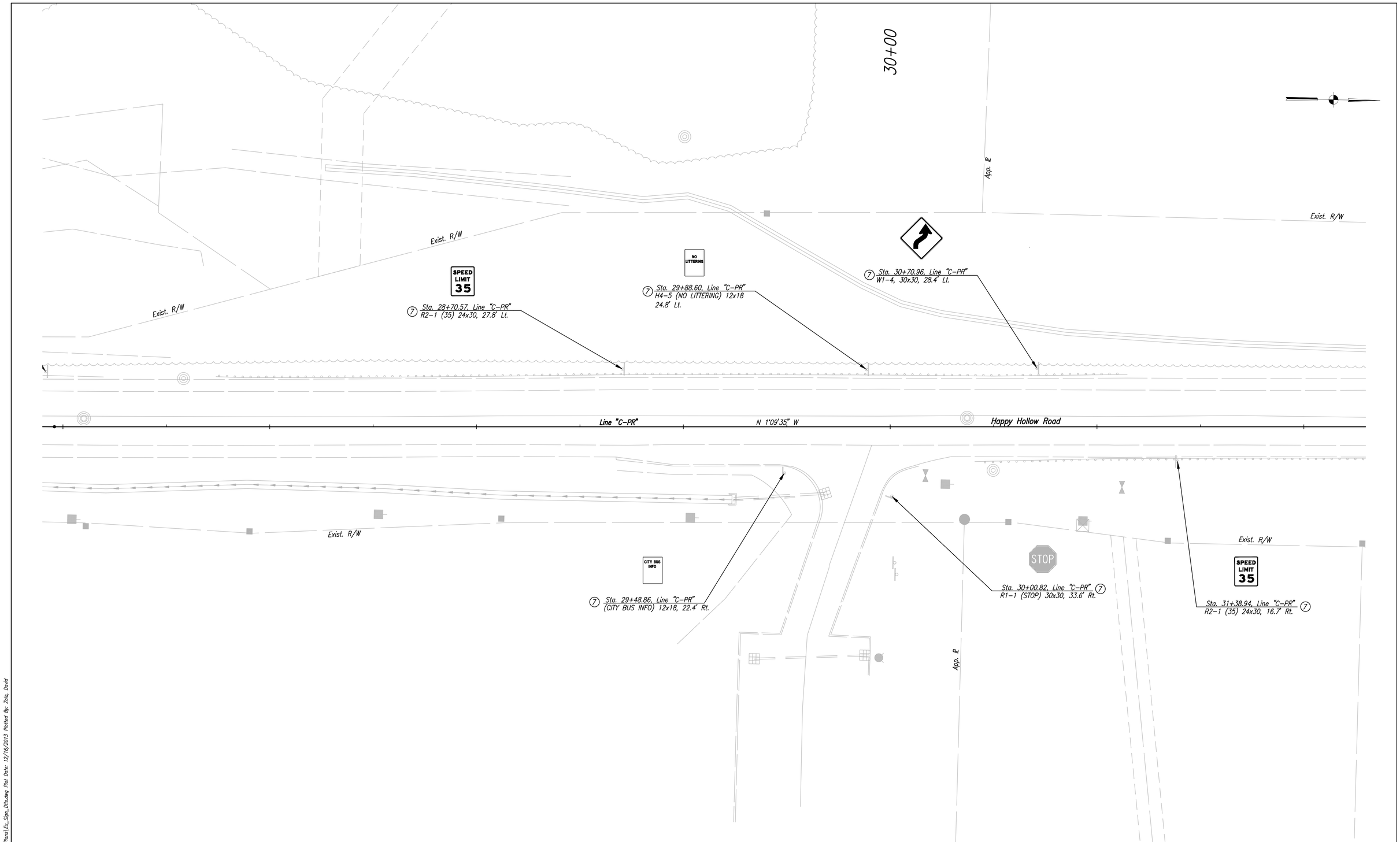
DESIGNED: BWS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 21+00 to 26+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	126 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SIGN LEGEND

1. No Change Required to Existing Sign and Supports
7. Remove Existing Sheet Sign and Supports
8. Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

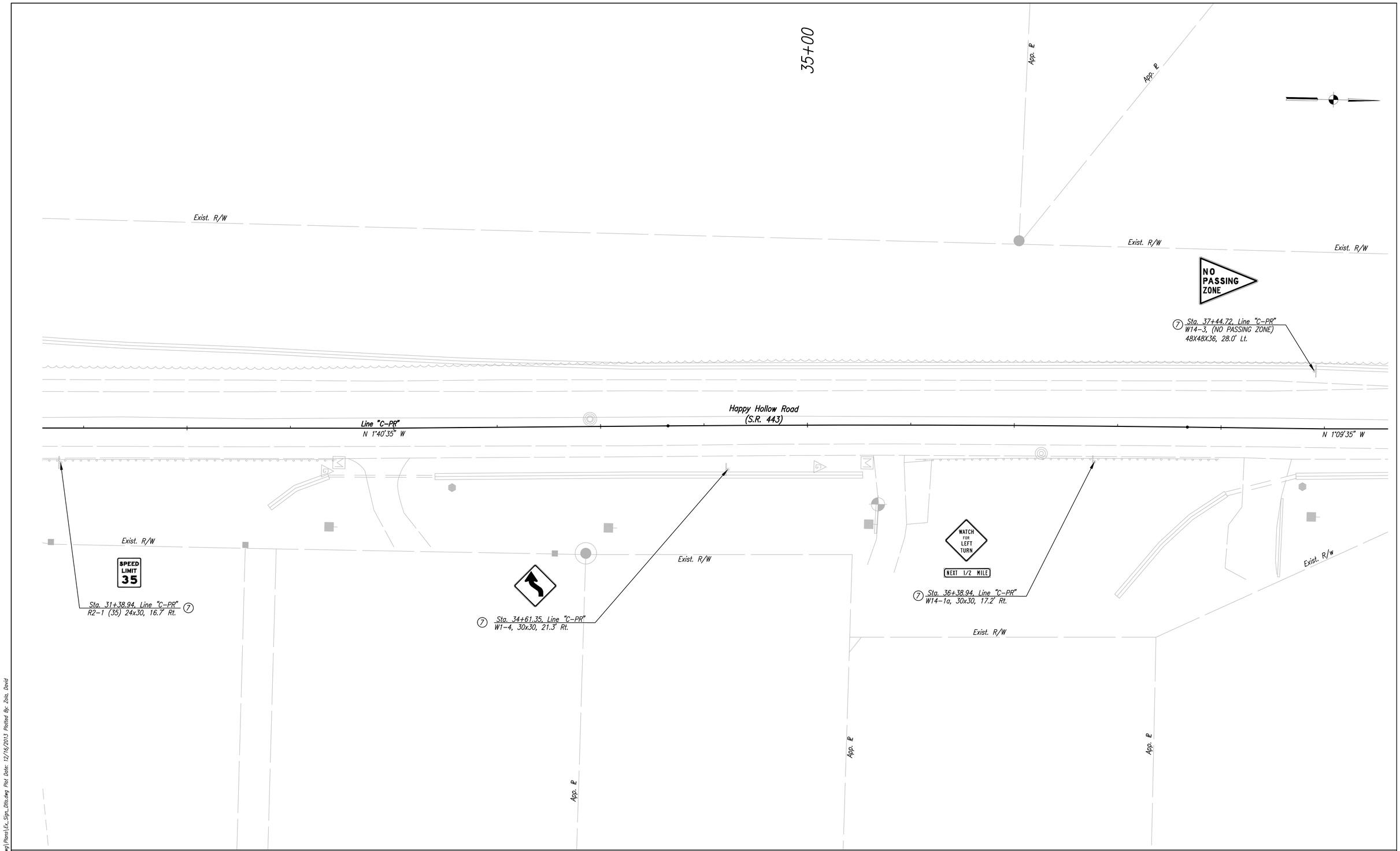
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 26+50 to 32+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	127 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SIGN LEGEND

1. No Change Required to Existing Sign and Supports
7. Remove Existing Sheet Sign and Supports
8. Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 32+00 to 37+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	128 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

40+00

App. ℄

SPEED LIMIT 35

NO PASSING ZONE

Exist. R/W

Brushline

⑦ Sta. 37+44.72, Line "C-PR"
W14-3, (NO PASSING ZONE)
48X48X36, 28.0' Lt.

⑦ Sta. 37+92.06, Line "C-PR"
R2-1 (35) 24x30, 16.7' Rt.

LINE "C-PR"
N 1°09'35" W

Line "C-PR"
N 7°40'18" W

HAPPY HOLLOW ROAD
(S.R. 443)

SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

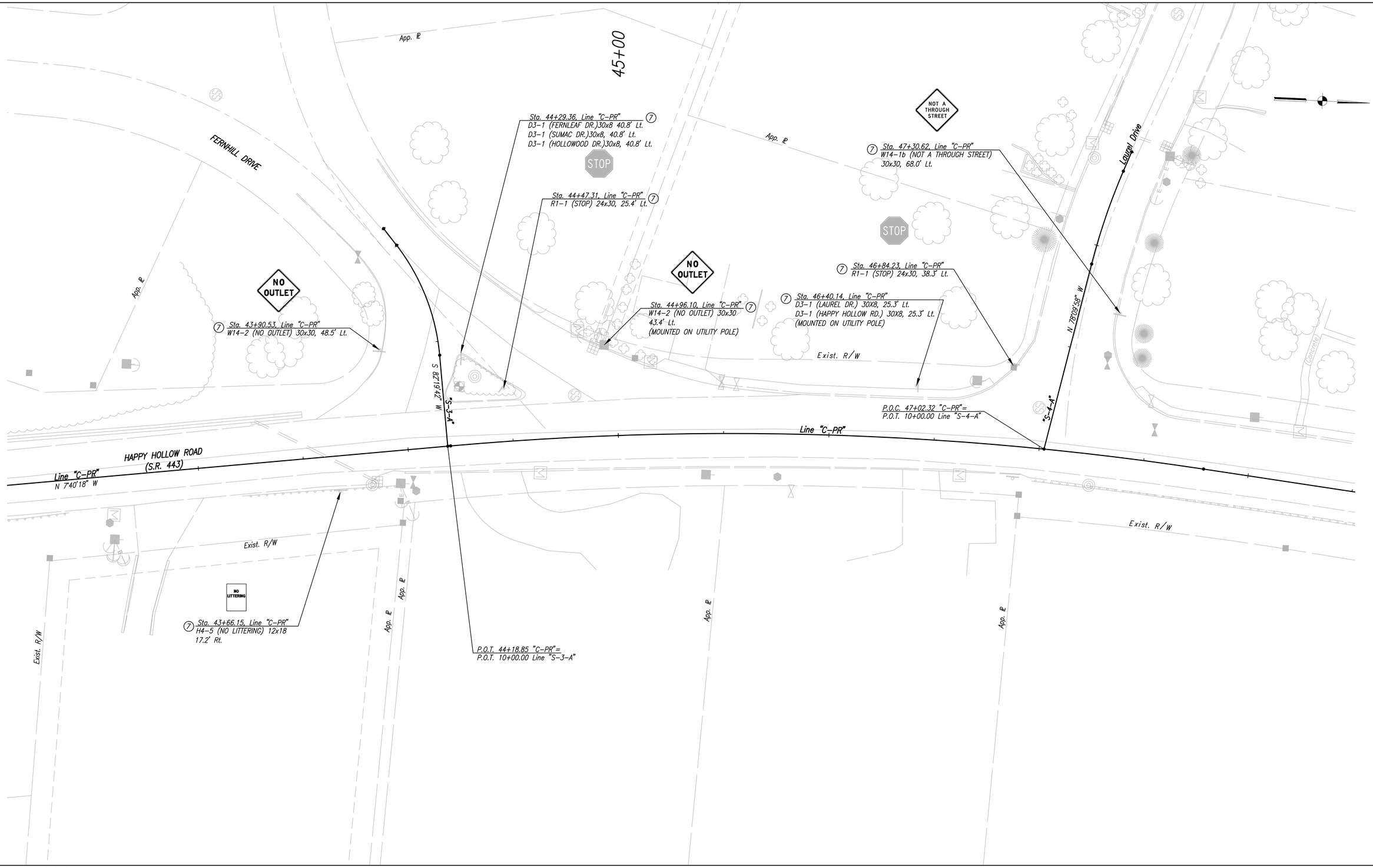
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 37+50 to 42+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	129 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C&S\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 42+50 to 48+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	130 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

50+00

Glenn Court

App. ℄

STOP

⑦ Sta. 53+21.73, Line "C-PR"
R1-1 (STOP) 30x30, 36.4' Lt.

⑦ Sta. 50+32.43, Line "C-PR"
W1-4, 30x30, 26.' Lt.

⑦ Sta. 53+21.73, Line "C-PR"
D3-1 (GLENN CT.) 30x8, 36.4' Lt.
D3-1 (HAPPY HOLLOW RD.) 30x8, 36.4' Lt.

S 89°54'39" W

"S-5-A"

P.O.T. 50+90.53 "C-PR"=
P.O.T. 10+00.00 Line "S-5-A"

HAPPY HOLLOW ROAD
(S.R. 443)

N 6°01'09" E

LINE "C-PR"

STOP NO OUTLET

⑦ Sta. 53+21.73, Line "C-PR"
(R1-1,W14-2) 30x30, 46.5' Lt.

⑦ Sta. 53+14.00, Line "C-PR"
D3-1 (THORNBUSH DR.) 30x8, 46.5' Lt.
D3-1 (HAPPY HOLLOW RD.) 30x8, 46.5' Lt
(LOCATION ON UTILITY POLE)

Thornbush Dr.

"S-6-A"

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

xist. R/W

Sta. 49+58.78, Line "C-PR" ⑦
W1-2L, 30x30, 17.9' Rt.

Section Line

SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BWS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 48+00 to 53+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	131 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

55+00

Thornbush Dr.

Pathway Lane

App. ℄

Exist. R/W

STOP

NOT A THROUGH STREET

SPEED LIMIT 35

"S-6-A"

"S-7-A"

P.O.C. 53+44.30 "C-PR"=
P.O.T. 10+00.00 Line "S-6-A"

⑦ Sta. 54+90.74, Line "C-PR"
W1-2L (35), 30x30, 17.9' Rt.

⑦ Sta. 55+52.35, Line "C-PR"
R1-1 (STOP), 30x30, 50.4' Lt.

⑦ Sta. 55+52.11, Line "C-PR"
D3-1 (PATHWAY LN.) 30X8, 46.0' Lt.
D3-1 (HAPPY HOLLOW RD.) 30X8, 46.0' Lt.

⑦ Sta. 55+89.71, Line "C-PR"
W14-1b, 30x30, 43.0' Lt.

N 89°21'17" W

HAPPY HOLLOW ROAD
(S.R. 433)

LINE "C-PR"

N 2°57'06" W

P.O.T. 55+67.82 "C-PR"=
P.O.T. 10+00.00 Line "S-7-A"

⑦ Sta. 57+02.71, Line "C-PR"
W1-2L (35), 30x30, 20.3' Rt.

SBM #5

SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 53+50 to 59+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	132 of 174
CONTRACT	PROJECT
R-32947	0900002

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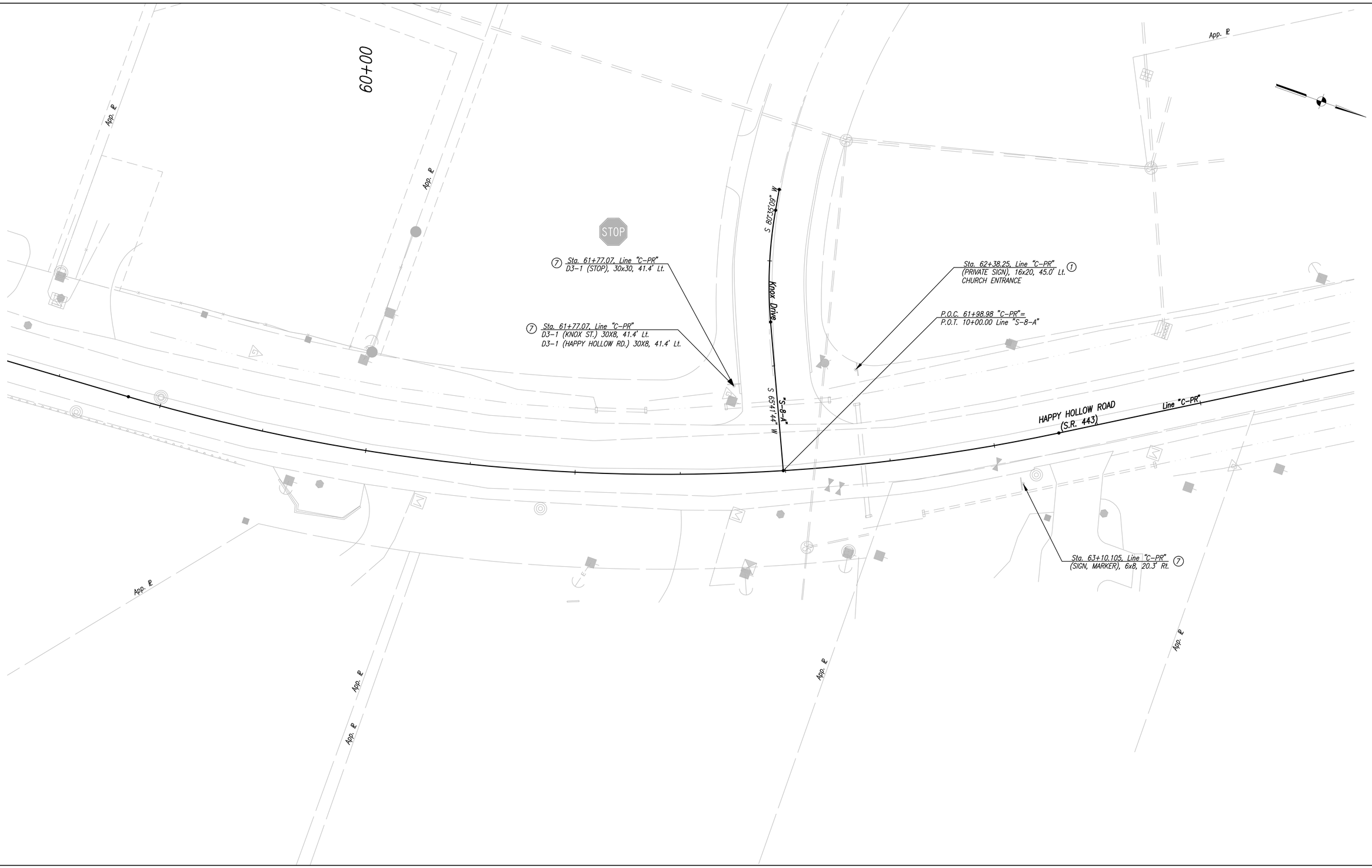


SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

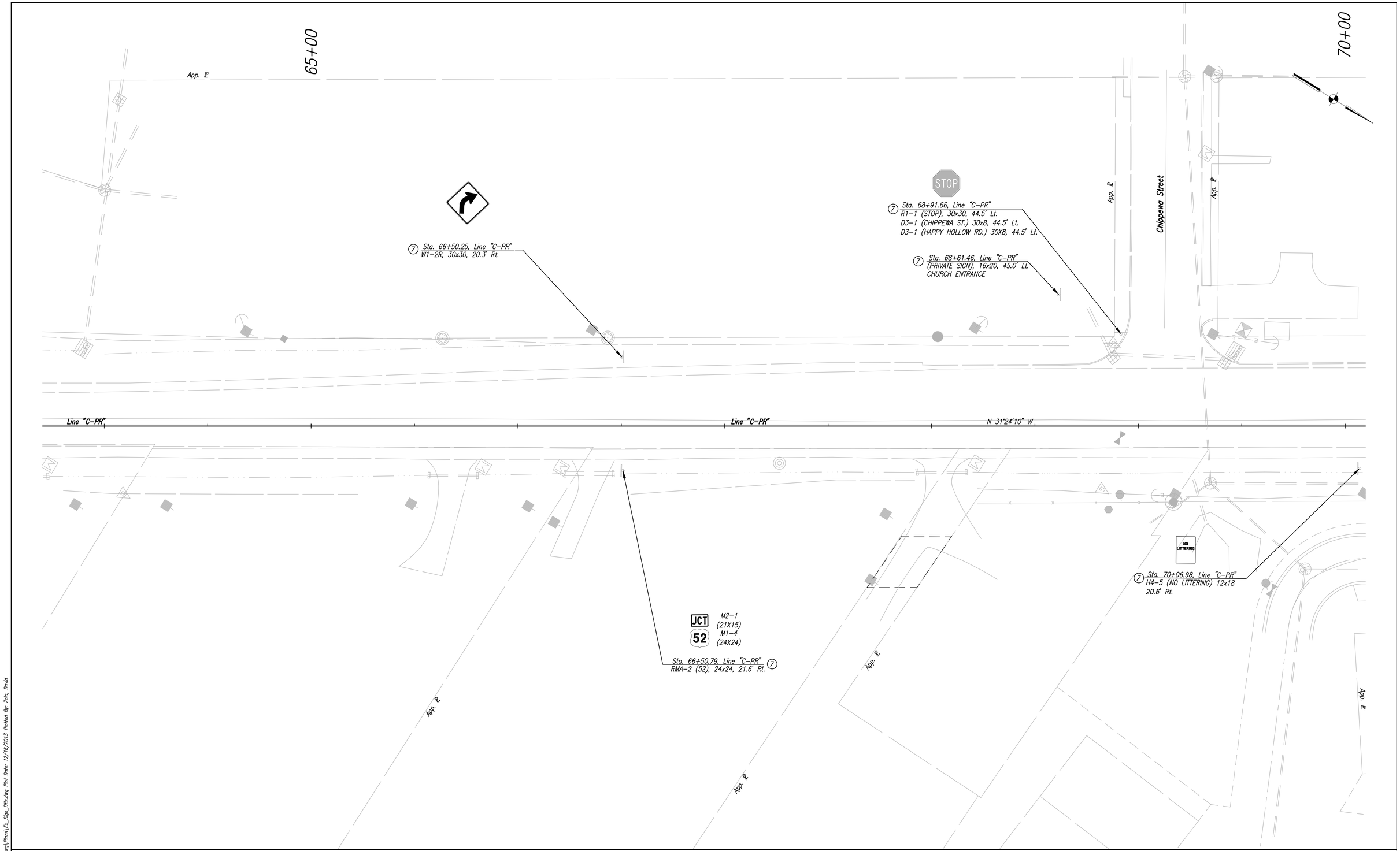
CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 59+00 to 64+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	133 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\ 10-401\Road\Dwg\Plans\EX_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zolo, David



SIGN LEGEND

1. No Change Required to Existing Sign and Supports
7. Remove Existing Sheet Sign and Supports
8. Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 64+50 to 69+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	134 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Ex_Sign_Dlts.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

70+00

75+00

Chippewa Street

App. ℄

Exist. R/W

TO M4-5 (24X12)
INDIANA 43 M1-5 (24X24)

1 Sta. 74+38.98, Line "C-PR"
RMA-6, 30.5' Lt.

SPEED LIMIT 35

Sta. 74+85.25, Line "C-PR" 7
R2-1 (35), 24x30, 29.3' Lt.

Happy Hollow Road (S.R. 443)

Villefranche Drive

NO LITTERING

Sta. 70+06.98, Line "C-PR" 7
H4-5 (NO LITTERING) 12x18
20.6' Rt.

Sta.71+11.87, Line "C-PR" 7
W1-2L, 30x30, 22.0' Rt.

STOP

Sta. 72+49.11, Line "C-PR" 7
R1-1 (STOP), 30x30, 43.3' Rt.

END M4-6 (21X15)
INDIANA 443 M1-5 (30X24)
EAST M1-5 (21X15)
INDIANA 52 M1-4 (24X24)
M6-3 (21X15)
WEST M3-4 (21X15)
INDIANA 52 M1-4 (24X24)
M6-3 (21X15)

7 Sta. 74+36.60, Line "C-PR"
(RMA-3, RMA-4, RMA-5) 34.1' Rt.

CITY BUS INFO

Sta. 74+80.00, Line "C-PR" 7
R1-1 (STOP), 30x30, 28.6' Rt.
7

Sta. 74+40.00, Line "C-PR" 7
(CITY BUS INFO), 12x18, 28.6' Rt.

SIGN LEGEND

1 No Change Required to Existing Sign and Supports
7 Remove Existing Sheet Sign and Supports
8 Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

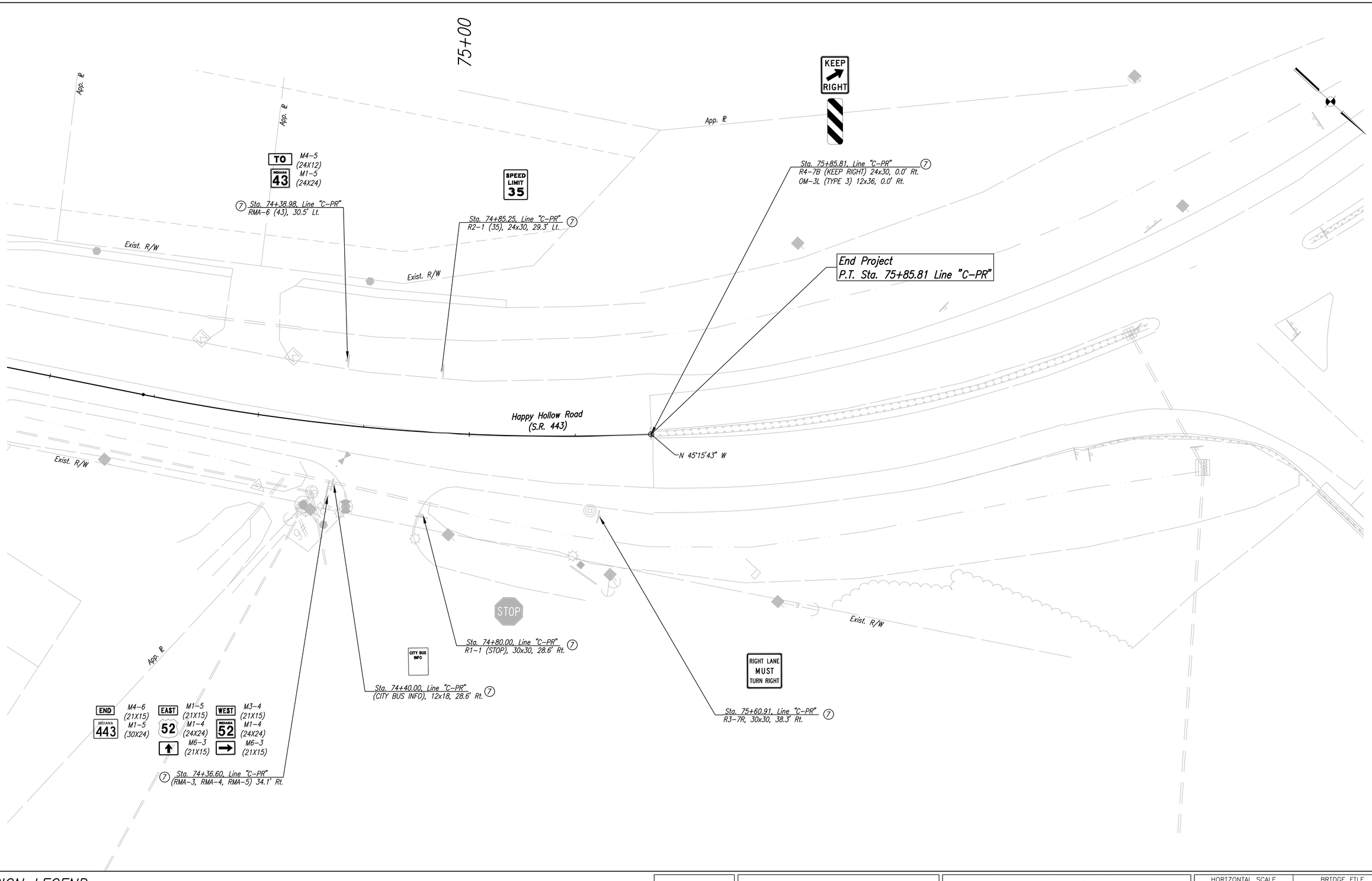
DESIGNED: SRS DRAWN: DJZ
CHECKED: BWC CHECKED: BWC

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 69+50 to 74+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	135 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



SIGN LEGEND

(1) No Change Required to Existing Sign and Supports
(7) Remove Existing Sheet Sign and Supports
(8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

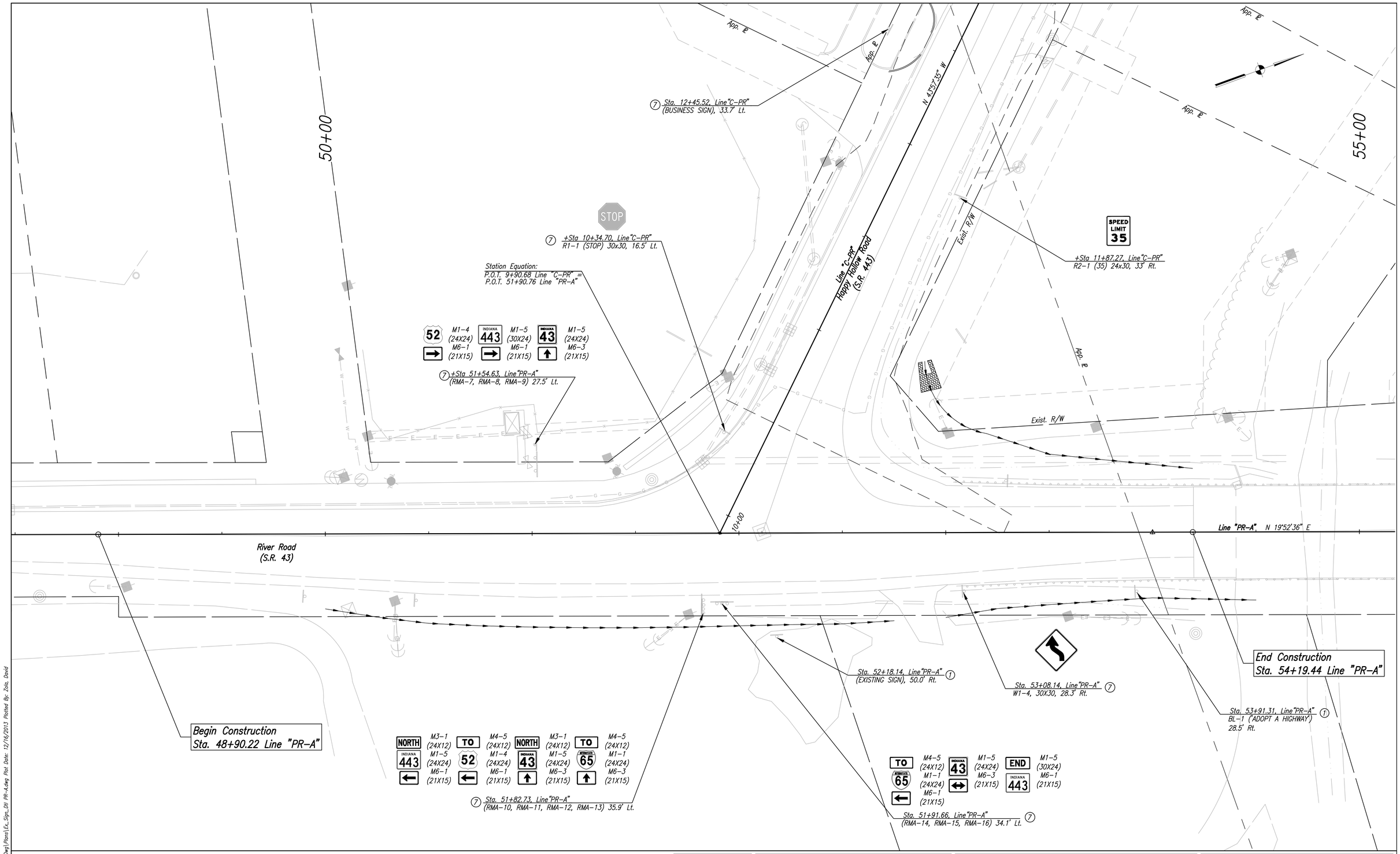
DESIGNED: BWS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS
LINE "C-PR" 74+00 TO 75+85.81

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	136 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSTI\10-401\Road\Dwg\Plans\Ex_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



Sign Legend

① No Change Required
⑦ Remove Existing Sheet Sign and Support
⑧ Remove Existing Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

EXISTING SIGNS LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	137 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\Fc_Sign_Dtl PR-A.dwg Plot Date: 12/16/2013 Plotted By: Zale, David

EXISTING SHEET SIGN INVENTORY

SIGN

LINE	SIGN LOCATION (STA.)		SIGN CODE	SIGN SIZE (in x in)	ERECTION DATE	REMARKS
LINE "C-PR"						
	10+34.70	LT	R1-1	30 X 30	X	STOP SIGN
	11+87.27	RT	R2-1-35	24 X 30	X	SPEED LIMIT (35)
	12+45.52	LT	EXISTING	-	X	BUSINESS SIGN
	15+15.30	LT	D1-2	54 X 30	X	DESTINATION SIGN
	20+22.50	RT	X	27 X 27	X	HAPPY HOLLOW PARK SIGN
	20+38.29	LT	M2-1	21 X 15	X	JUNCTION
	20+38.29	LT	M1-5	24 X 24	X	STATE ROUTE (43)
	20+91.61	RT	D3-1	xx X 8	X	CATHERWOOD DR
	20+91.61	RT	D3-1	xx X 8	X	HAPPY HOLLOW RD
	20+92.85	RT	R1-1	30 X 30	X	STOP SIGN
	21+16.79	LT	H4-5	12 X 18	X	NO LITTERING
	22+28.90	LT	R1-1-B	30 X 30	X	STOP SIGN
	23+80.49	RT	W14-3	48 X 48 X 36	X	NO PASSING ZONE
	24+88.50	RT	EXISTING	-	X	"CATHERWOOD ESTATES"
	25+28.62	LT	X	27 X 27	X	HAPPY HOLLOW PARK SIGN
	25+91.68	LT	W3-1a	30 X 30	X	STOP AHEAD
	28+70.57	LT	R2-1-35	24 X 30	X	SPEED LIMIT (35)
	29+48.86	RT	X	12 X 18	X	CITY BUS/ RIDE INFO SIGN
	29+88.60	LT	H4-5	12 X 18	X	NO LITTERING
	30+00.82	RT	R1-1	30 X 30	X	STOP
	30+70.96	LT	W1-4	30 X 30	X	
	31+38.94	RT	R2-1-35	24 X 30	X	SPEED LIMIT (35)
	34+61.35	RT	W1-4	30 X 30	X	X
	36+38.94	RT	W14-1a	30 X 30	X	WATCH FOR LEFT TURN
	36+38.94	RT	W16-	8 X ?	X	NEXT 1/2 MILE
	37+44.72	LT	W14-3	48 X 48 X 36	X	NO PASSING ZONE
	37+92.06	LT	R2-1-35	24 X 30	X	SPEED LIMIT (35)
	43+66.15	RT	X	12 X 18	X	DO NOT THROW LITTER
	43+90.53	LT	W14-2	30 X 30	X	NO OUTLET
	44+29.36	LT	D3-1	30 X 8	X	FERN LEAF DR.
	44+29.36	LT	D3-1	30 X 8	X	HOLLOWOOD DR.
	44+29.36	LT	D3-1	30 X 8	X	SUMAC DR.

EXISTING SHEET SIGN INVENTORY

SIGN

LINE	SIGN LOCATION (STA.)		SIGN CODE	SIGN SIZE (in x in)	ERECTION DATE	REMARKS
LINE "C-PR" (Cont'd)						
	44+47.31	LT	R1-1	30 X 30	X	STOP SIGN
	44+96.10	LT	W14-2	30 X 30	X	NO OUTLET
	46+40.14	LT	D3-1	xx X 8	X	LAUREL DR
	46+40.14	LT	D3-1	xx X 8	X	HAPPY HOLLOW RD
	46+84.23	LT	R1-1	30 X 30	X	STOP SIGN
	47+30.62	LT	W14-1b	30 X 30	x	NOT A THROUGH STREET
	49+58.78	RT	W1-2L	30 X 30	x	
	50+32.43	LT	W1-4	30 X 30	x	
	50+54.23	LT	D3-1	8 X ?	x	GLENN CT
	50+54.23	LT	D3-1	8 X ?	x	HAPPY HOLLOW RD
	50+67.41	LT	R1-1	30 X 30	x	STOP SIGN
	53+14.00	LT	D3-1	30 X 30	x	THORNBUSH DR./ HAPPY HOLLOW RD.
	53+21.73	LT	R1-1	30 X 30	x	STOP SIGN (LOCATION, SAME POLE AS BELOW)
	53+21.73	LT	W14-2	30 X 30	x	NO OUTLET
	54+90.74	LT	R2-1-35	24 X 30	X	SPEED LIMIT (35) - CITY BUS INFO (742-RIDE)
	55+52.11	LT	D3-1	8 X ?	x	PATHWAY LN
	55+52.11	LT	D3-1	8 X ?	x	HAPPY HOLLOW RD
	55+52.35	LT	R1-1	30 X 30	x	STOP
	55+89.74	x	W14-1b	30 X 30	x	NOT A THROUGH STREET
	57+02.71	x	R2-1-35	24 X 30	x	SPEED LIMIT (35)
	61+77.07	LT	R1-1	30 X 30	x	STOP
	61+77.07	LT	D3-1	30 x 8	x	KNOX ST
	61+77.07	LT	D3-1	30 x 8	x	HAPPY HOLLOW RD
	62+38.25	LT	EXISTING	16 X 20	x	COVENANT CHURCH (SIGN)
	63+10.10	RT	MARKER	6" x 8"	x	MILE MARKER
	66+50.25	LT	W1-2R	30 X 30	x	RIGHT CURVE
	66+50.79	RT	M2-1	21 X 15	x	JUNCTION
	66+50.79	RT	M1-4	24 X 24	x	US ROUTE 52
	68+61.46	LT	EXISTING	16 X 20	x	COVENANT CHURCH (SIGN)
	68+91.66	LT	D3-1	8 X ?	X	CHIPPEWA ST
	68+91.66	LT	D3-1	8 X ?	x	HAPPY HOLOOW RD
	68+91.66	LT	R1-1	30 X 30	x	STOP

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BWC | CHECKED: BWC

CITY OF WEST LAFAYETTE

EXISTING SIGNING TABLE

HORIZONTAL SCALE	BRIDGE FILE
----	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	138 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-4011Road\Dwg\Plans\Exst_Sign_Tbl.dwg Plot Date: 12/16/2013 Plotted By: Zate, David

EXISTING SHEET SIGN INVENTORY

SIGN

LINE	SIGN LOCATION (STA.)		SIGN CODE	SIGN SIZE (in x in)	ERECTION DATE	REMARKS
LINE "C–PR" (Cont'd)						
	70+06.98	RT	H4–5	12 X 18	X	DO NOT THROW LITTER
	71+11.87	RT	W1–2L	30 X 30	X	
	72+49.11	RT	R1–1	30 X 30	X	STOP
	74+36.60	RT	M4–6	21 X 15	X	END
	74+36.60	RT	M1–5	30 X 24	X	STATE ROUTE 443
	74+36.60	RT	M3–2	21 X 15	X	EAST
	74+36.60	RT	M1–4	24 X 24	X	US ROUTE 52
	74+36.60	RT	M6–3	21 X 15	X	
	74+36.60	RT	M3–4	21 X 15	X	WEST
	74+36.60	RT	M1–4	24 X 24	X	US ROUTE 52
	74+36.60	RT	M5–2R	21 X 15	X	
	74+38.98	LT	M4–5	24 X 12	X	TO
	74+38.98	LT	M1–5	24 X 24	X	STATE ROUTE 43
	74+40.00	RT	X	12 X 18	X	CITY BUS INFO SIGN
	74+80.00	RT	R1–1	30 X 30	X	STOP
	74+85.25	LT	R2–1–35	24 X 30	X	SPEED LIMIT (35)
	75+60.91	RT	R3–7R	30 X 30	X	RIGHT LANE MUST TURN RIGHT
	75+85.81	LT	R4–7B	24 X 30	X	KEEP RIGHT
	75+85.81	LT	OM–3L	12 X 36	X	TYPE 3

EXISTING SHEET SIGN INVENTORY

SIGN

LINE	SIGN LOCATION (STA.)		SIGN CODE	SIGN SIZE (in x in)	ERECTION DATE	REMARKS
LINE "PR–A"						
	51+54.63	LT	M1–4	24 X 24	X	US ROUTE 52
	51+54.63	LT	M6–1	21 X 15	X	ARROW DIRECTION
	51+54.63	LT	M1–5	30 X 24	X	STATE ROUTE 443
	51+54.63	LT	M6–1	21 X 15	X	ARROW DIRECTION
	51+54.63	LT	M1–5	24 X 24	X	STATE ROUTE 43
	51+54.63	LT	M6–3	21 X 15	X	ARROW DIRECTION
	51+75.61	RT	D3–1	50 X 8	X	STREET NAME (HAPPY HOLLOW RD.)
	51+75.61	RT	D3–1	34 X 8	X	STREET NAME (N. RIVER RD.)
	51+82.73	RT	M3–1	24 X 12	X	DIRECTION
	51+82.73	RT	M1–5	30 X 24	X	STATE ROUTE 443
	51+82.73	RT	M6–1	21 X 15	X	ARROW DIRECTION
	51+82.73	RT	M4–5	24 X 12	X	DIRECTION
	51+82.73	RT	M1–4	24 X 24	X	US ROUTE 52
	51+82.73	RT	M6–1	21 X 15	X	ARROW DIRECTION
	51+82.73	RT	M3–1	24 X 12	X	DIRECTION
	51+82.73	RT	M1–5	24 X 24	X	STATE ROUTE 43
	51+82.73	RT	M6–3	21 X 15	X	ARROW DIRECTION
	51+82.73	RT	M4–5	24 X 12	X	DIRECTION
	51+82.73	RT	M1–1	24 X 24	X	INTERSTATE 65
	51+82.73	RT	M6–3	21 X 15	X	ARROW DIRECTION
	51+91.64	RT	M4–6	24 X 12	X	END
	51+91.64	RT	M1–5	30 X 24	X	STATE ROUTE 443
	51+91.64	RT	M1–5	24 X 24	X	STATE ROUTE 43
	51+91.64	RT	M6–4	21 X 15	X	DIRECTION
	51+91.64	RT	M4–5	24 X 12	X	TO
	51+91.64	RT	M1–1	24 X 24	X	INTERSTATE 65
	51+91.64	RT	M6–1	21 X 15	X	DIRECTION
	52+18.14	RT	EXISTING	36 X 24	–	EXISTING INFORMATION SIGN
	53+08.14	RT	W1–4	30 X 30	X	
	53+91.31	RT	EXISTING	–	X	STATE INFO SIGN

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
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Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BWC | CHECKED: BWC

CITY OF WEST LAFAYETTE

EXISTING SIGNING TABLE

HORIZONTAL SCALE	BRIDGE FILE
----	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	139 of 174
CONTRACT	PROJECT
R-32947	0900002

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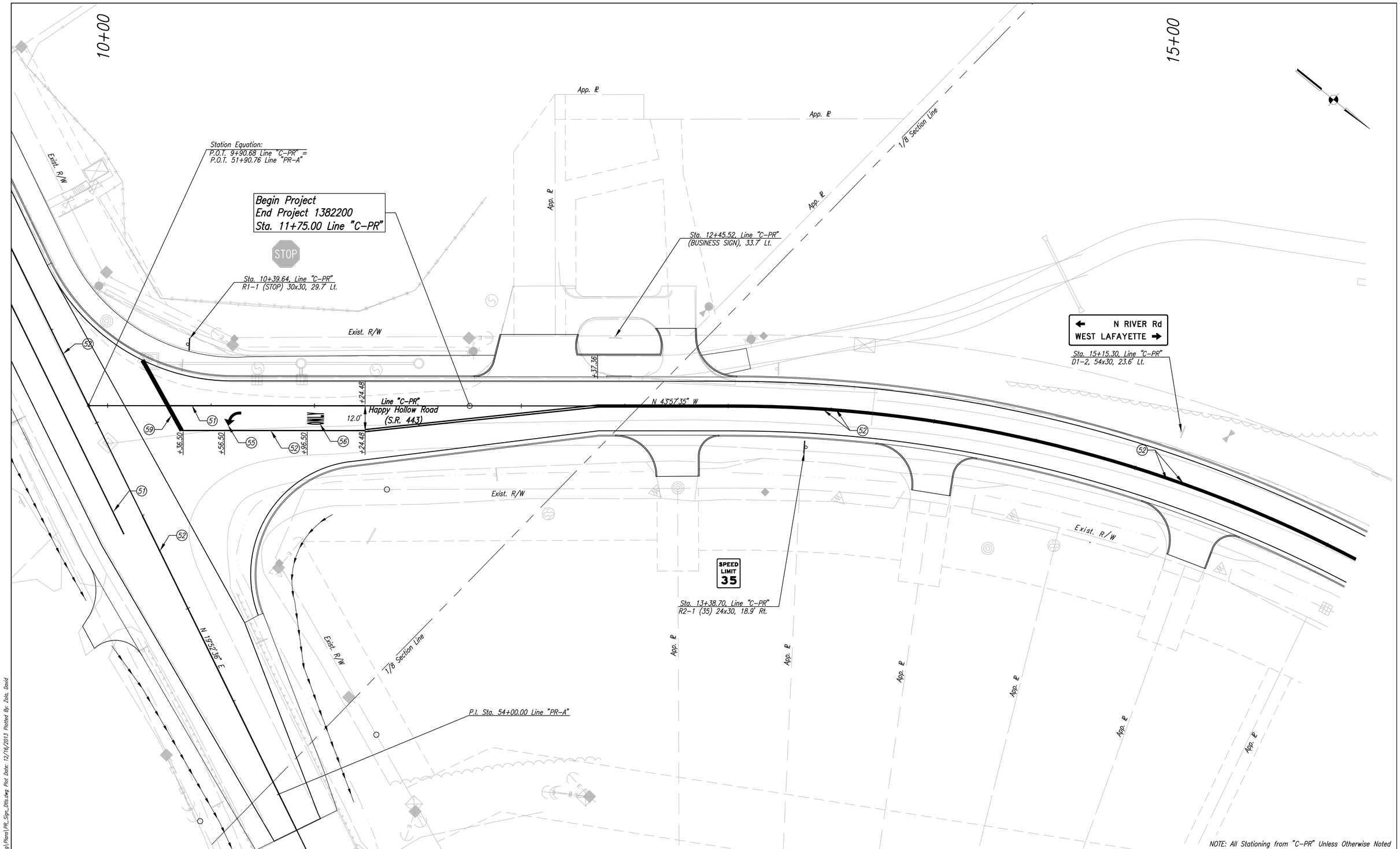


NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

- (50) Line, Thermoplastic, Solid, White, 6 inch
- (51) Line, Thermoplastic, Solid, White, 4 inch
- (52) Line, Thermoplastic, Solid, Yellow, 4 inch
- (53) Line, Thermoplastic, Broken, White, 4 inch
- (54) Line, Thermoplastic, Broken, Yellow, 4 inch
- (55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (56) Pavement Message Marking, Thermoplastic, ONLY
- (57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
- (58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
- (59) Transverse Marking, Thermoplastic, Stopline, 24 inch
- (60) Line, Thermoplastic, Solid, Yellow, 8 inch
- (61) Line, Thermoplastic, Solid, Yellow, 12 inch
- (62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS

Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 10+04.99 to 15+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	140 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

20+00

+Sta 16+85.60, Line "C-PR"
W3-1a (STOP AHEAD) 30x30
18.0' Lt.

Sta. 21+10.20, Line "C-PR"
H4-5 (NO LITTERING) 12x18
27.9' Lt.

NO LITTERING

Exist. R/W

N 5°48'29" E

12.0'

12.0'

±47.59

±88.91

P.O.T. 20+71.07 "C-PR" =
P.O.T. 10+00.00 Line "S-1-A"

10.0'

HAPPY HOLLOW PARK

Sta. 20+26.20, Line "C-PR"
(PARK SIGN) 27x27, 37.7' Rt.

Sta. 20+93.70, Line "C-PR"
D3-1(C) 44x8, 33.7' Rt.
D3-1(A) 50x8, 33.7' Rt.

STOP

Sta. 20+94.25, Line "C-PR"
R1-1 (STOP) 30x30, 37.5' Rt.

GAS METER

"S-1-A"
S 88°25'57" E

CATHERWOOD DRIVE

App. ℓ

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing

Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

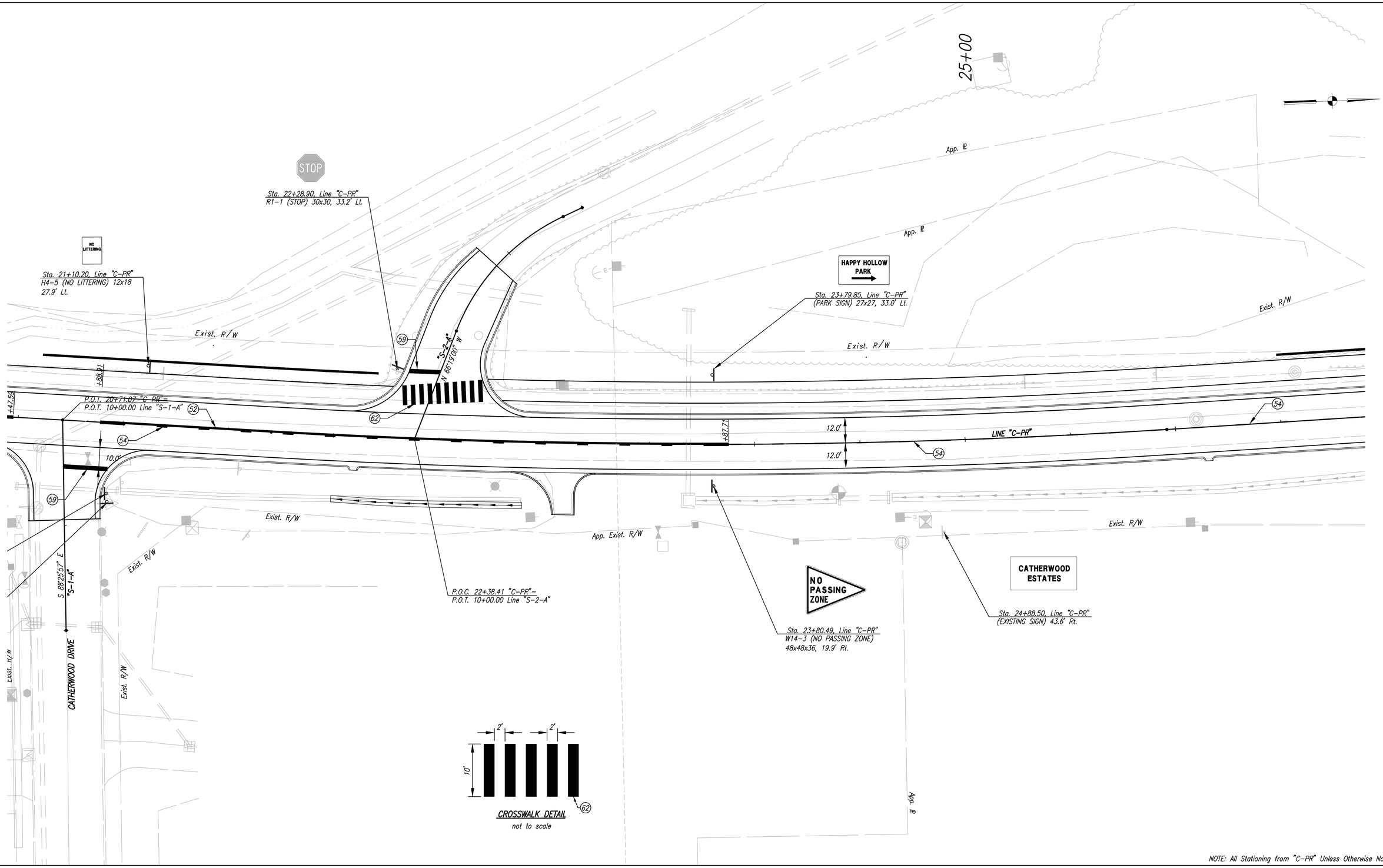
CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING
LINE "C-PR" 15+50 to 21+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	141 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lane Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 21+00 to 26+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	142 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDS\10-401\Road\Dwg\Plans\PR_Sign_Ofts.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

30+00

App. ℄

Exist. R/W

App. Exist. R/W

Exist. R/W

SPEED LIMIT 35

NO LITTERING

Sta. 28+00.00, Line "C-PR"
R2-1 (35) 24x30, 16.8' Lt.

Sta. 30+21.80, Line "C-PR"
H4-5 (NO LITTERING) 12x18
16.8' Lt.

Sta. 31+21.80, Line "C-PR"
W1-4, 30x30, 16.8' Lt.

(54)

12.0'

12.0'

Line "C-PR"

N 1°09'35" W

(54)

12.0'

12.0'

App. Exist. R/W

CITY BUS INFO

Sta. 29+32.30, Line "C-PR"
(CITY BUS INFO) 12x18, 31.4' Rt.

STOP

Sta. 30+03.80, Line "C-PR"
R1-1 (STOP) 30x30, 18.8' Rt.

Exist. R/W

SPEED LIMIT 35

Sta. 31+46.50, Line "C-PR"
R2-1 (35) 24x30, 19.7' Rt.

App. ℄

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch

(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch

(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lane Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing

Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 26+50 to 32+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	143 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

35+00

App. ℄

App. ℄

Exist. R/W

Exist. R/W

App. ℄

NO PASSING ZONE

Sta. 37+61.20, Line "C-PR"
W14-3, (NO PASSING ZONE)
48X48X36, 17.0' Lt.

±62.25

54

Line "C-PR"

Happy Hollow Road
(S.R. 443)

54

Exist. R/W

SPEED LIMIT 35

Sta. 31+46.50, Line "C-PR"
R2-1 (35) 24x30, 19.7' Rt.

Sta. 34+62.60, Line "C-PR"
W1-4, 30x30, 18.1' Rt.

Exist. R/W

WATCH FOR LEFT TURN

NEXT 1/2 MILE

Sta. 36+41.00, Line "C-PR"
W14-1a, 30x30, 18.8' Rt.
W16-9, 40x8, 18.8' Rt.

App. ℄

Exist. R/W

App. ℄

App. ℄

App. ℄

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing

Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 32+00 to 37+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	144 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

40+00

App. ℄

NO PASSING ZONE

SPEED LIMIT 35

Sta. 37+61.20, Line "C-PR"
W14-3, (NO PASSING ZONE)
48X48X36, 17.0' Lt.

Sta. 38+61.20, Line "C-PR"
R2-1 (35) 24x30, 17.0' Lt.

Exist. R/W

Brushline

+62.28

LINE "C-PR"

12.0'

12.0'

54

52

W 6mm

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

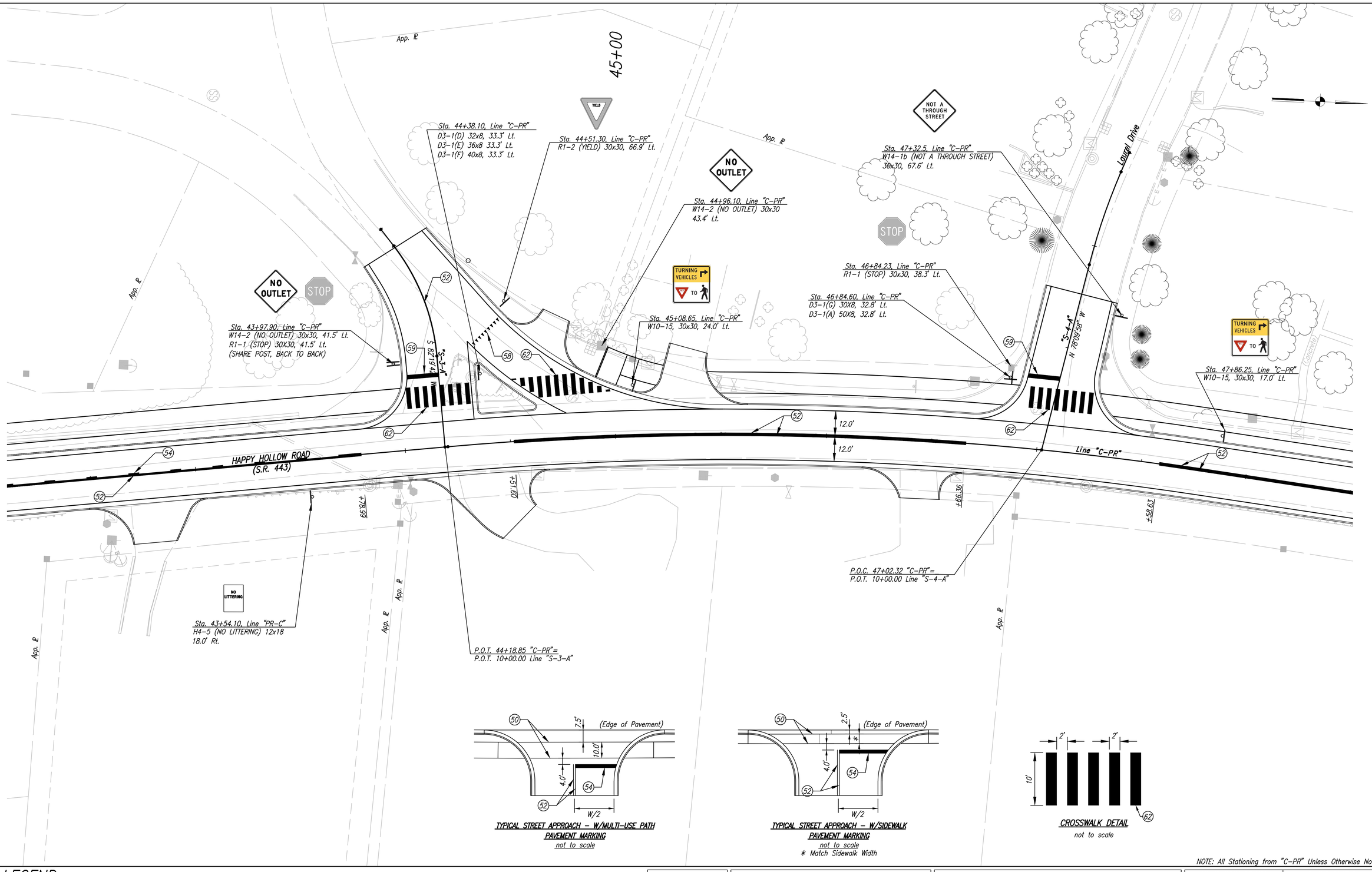
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 37+50 to 42+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	145 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



TYPICAL STREET APPROACH – W/MULTI-USE PATH
PAVEMENT MARKING
not to scale

TYPICAL STREET APPROACH – W/SIDEWALK
PAVEMENT MARKING
not to scale
* Match Sidewalk Width

CROSSWALK DETAIL
not to scale

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

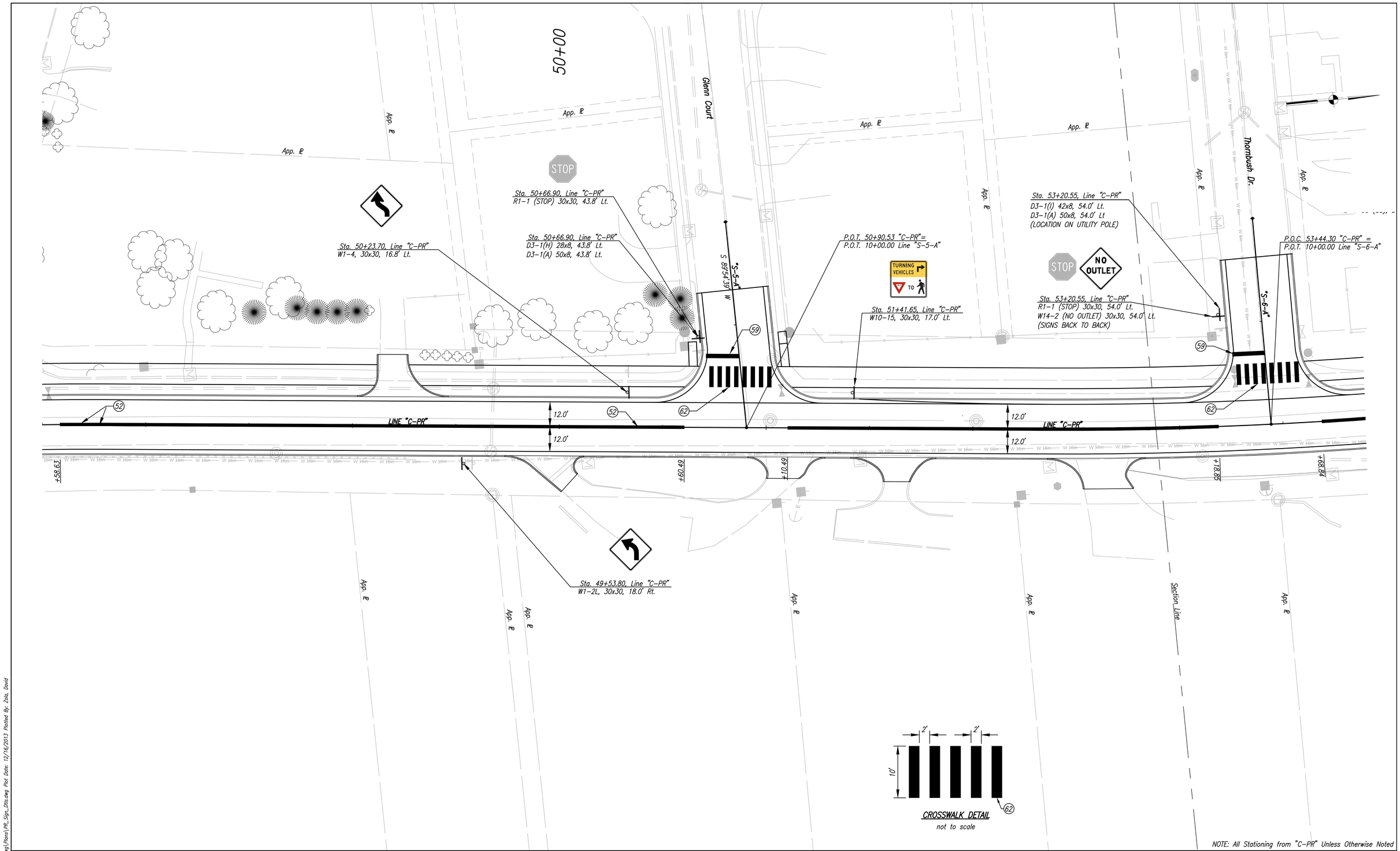
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 42+50 to 48+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	146 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-4011\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

- (50) Line, Thermoplastic, Solid, White, 6 inch
- (51) Line, Thermoplastic, Solid, White, 4 inch
- (52) Line, Thermoplastic, Solid, Yellow, 4 inch
- (53) Line, Thermoplastic, Broken, White, 4 inch
- (54) Line, Thermoplastic, Broken, Yellow, 4 inch
- (55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (56) Pavement Message Marking, Thermoplastic, ONLY
- (57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
- (58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
- (59) Transverse Marking, Thermoplastic, Stopline, 24 inch
- (60) Line, Thermoplastic, Solid, Yellow, 8 inch
- (61) Line, Thermoplastic, Solid, Yellow, 12 inch
- (62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS

Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

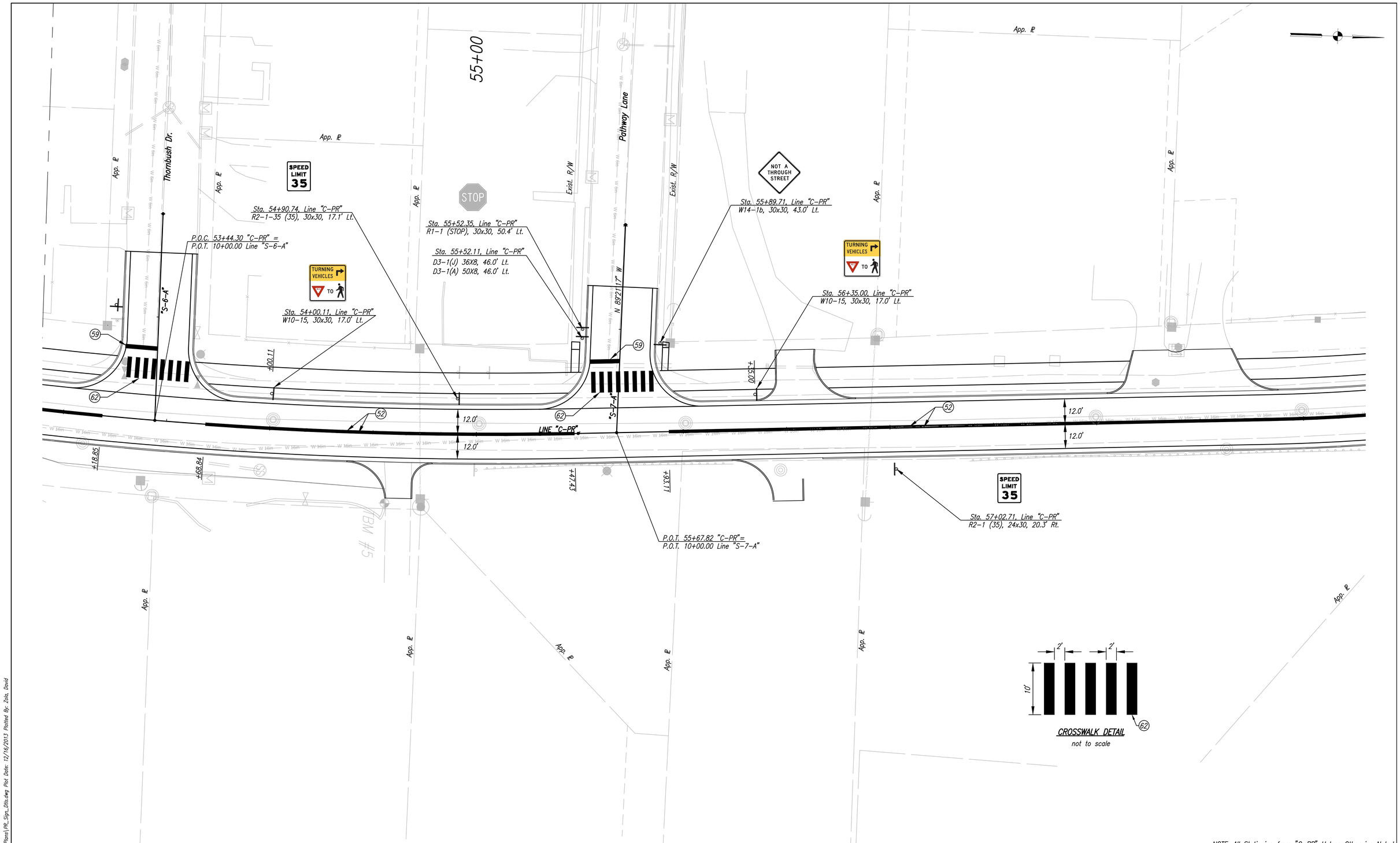
DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 48+00 to 53+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	147 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dlls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

- (50) Line, Thermoplastic, Solid, White, 6 inch
- (51) Line, Thermoplastic, Solid, White, 4 inch
- (52) Line, Thermoplastic, Solid, Yellow, 4 inch
- (53) Line, Thermoplastic, Broken, White, 4 inch
- (54) Line, Thermoplastic, Broken, Yellow, 4 inch
- (55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (56) Pavement Message Marking, Thermoplastic, ONLY
- (57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
- (58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
- (59) Transverse Marking, Thermoplastic, Stopline, 24 inch
- (60) Line, Thermoplastic, Solid, Yellow, 8 inch
- (61) Line, Thermoplastic, Solid, Yellow, 12 inch
- (62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS

Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 53+50 to 59+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	148 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

60+00

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

App. ℄

STOP

Sta. 61+76.00, Line "C-PR"
R1-1 (STOP), 30x30, 41.4' Lt.

Sta. 61+76.00, Line "C-PR"
D3-1(K) 26X8, 41.4' Lt.
D3-1(A) 50X8, 41.4' Lt.

S 80°35'09" W

S 63°41'41" W

"S-8-A"

P.O.C. 61+98.98 "C-PR" =
P.O.T. 10+00.00 Line "S-8-A"

N 31°24'10" W

12.0'

12.0'

12.0'

12.0'

+72.09

+25.04

+26.00

52

59

62

Sta. 63+05.45, Line "C-PR"
(MILE MARKER), 6x8, 18.5' Rt.

2'

2'

10'

CROSSWALK DETAIL
not to scale

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lane Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

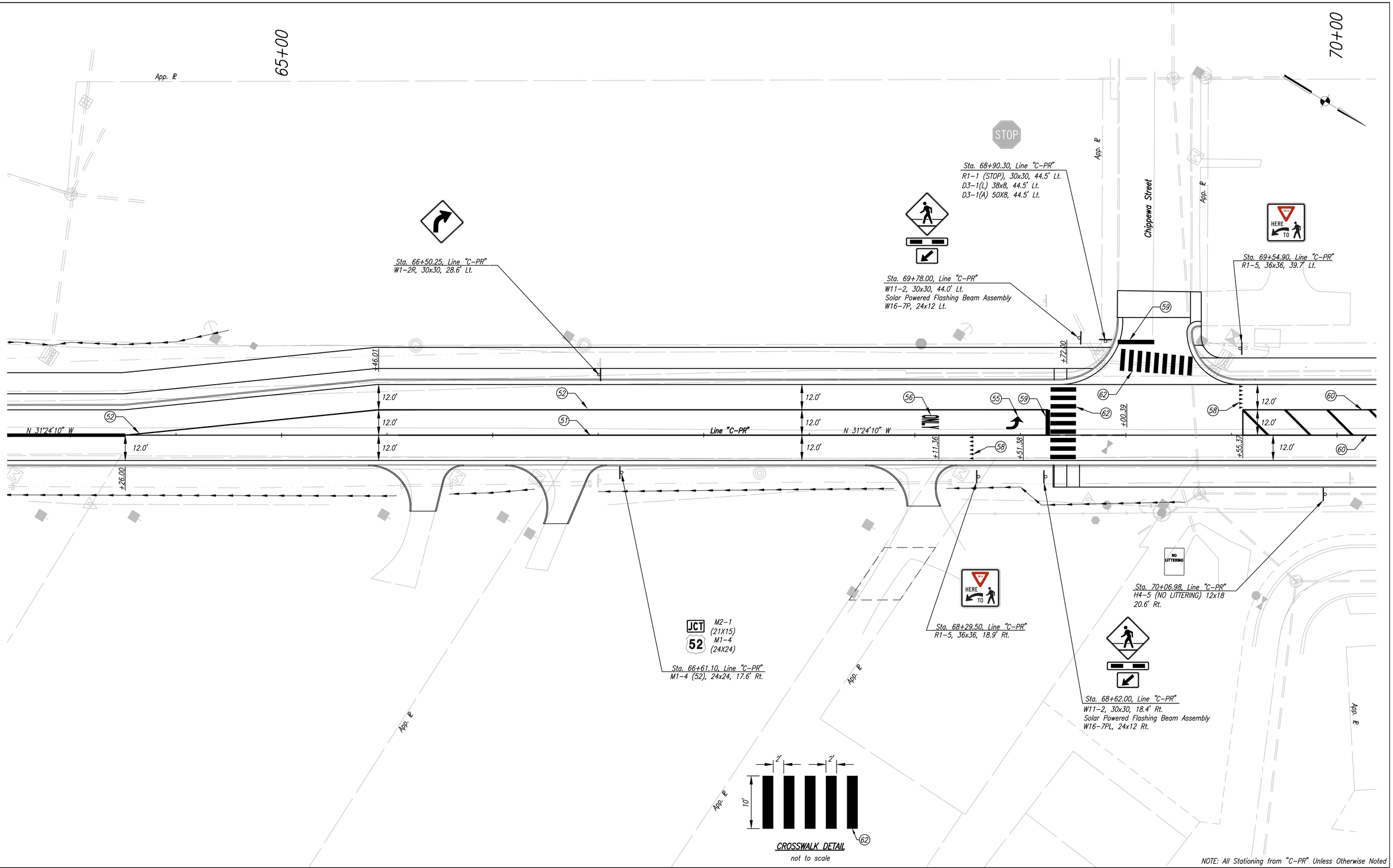
CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING
LINE "C-PR" 59+00 to 64+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	149 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

- (50) Line, Thermoplastic, Solid, White, 6 inch
- (51) Line, Thermoplastic, Solid, White, 4 inch
- (52) Line, Thermoplastic, Solid, Yellow, 4 inch
- (53) Line, Thermoplastic, Broken, White, 4 inch
- (54) Line, Thermoplastic, Broken, Yellow, 4 inch
- (55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (56) Pavement Message Marking, Thermoplastic, ONLY
- (57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
- (58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
- (59) Transverse Marking, Thermoplastic, Stopline, 24 inch
- (60) Line, Thermoplastic, Solid, Yellow, 8 inch
- (61) Line, Thermoplastic, Solid, Yellow, 12 inch
- (62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS

Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 64+50 to 69+50

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	150 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\PR_Sign_Dlts.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

70+00

75+00

Chippewa Street

App. ℄

HERE TO

Sta.69+86.65, Line "C-PR"
R1-5, 36x36, 39.7' Lt.

Exist. R/W

59

62

58

12.0'

12.0'

12.0'

60

+45.37

51

+55.37

60

20.0'

61

+65.37

+71.20

+36.54

+53.10

CITY BUS INFO

Sta. 73+31.20, Line "C-PR"
(CITY BUS INFO), 12x18, 28.3' Lt.

22.0'

+67.00

52

SPEED LIMIT 35

Sta. 74+44.40, Line "C-PR"
R2-1 (35), 24x30, 18.6' Lt.

Exist. R/W

+80.51

Happy Hollow Road
(S.R. 443)

+71.94

62

12.0'

+44.85

Exist. R/W

Sta. 71+11.80, Line "C-PR"
W1-2L, 30x30, 27.7' Rt.

Sta. 72+01.00, Line "C-PR"
D3-1(M) 46x8, 27.2' Rt.
D3-1(A) 50x8, 27.2' Rt.

NO LITTERING

Sta. 69+94.35, Line "C-PR"
H4-5 (NO LITTERING) 12x18
28.0' Rt.

Exist. R/W

59

STOP

Sta. 72+62.53, Line "C-PR"
R1-1 (STOP), 30x30, 31.2' Rt.

EAST
52
M3-2
(21X15)
M1-4
(24X24)
M6-3
(21X15)

Sta. 74+36.60, Line "C-PR"
(M3-2,M1-4,M6-3) 30.7' Rt.

WEST
INDIANA
52
M3-4
(21X15)
M1-4
(24X24)
M6-1
(21X15)

Sta. 74+36.60, Line "C-PR"
(M3-4,M1-4,M6-1) 37.5' Rt.

STOP

Sta. 74+86.55, Line "C-PR"
R1-1 (STOP), 30x30, 30.1' Rt.

App. ℄

Villefranche Drive

2'

2'

10'

62

CROSSWALK DETAIL
not to scale

NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

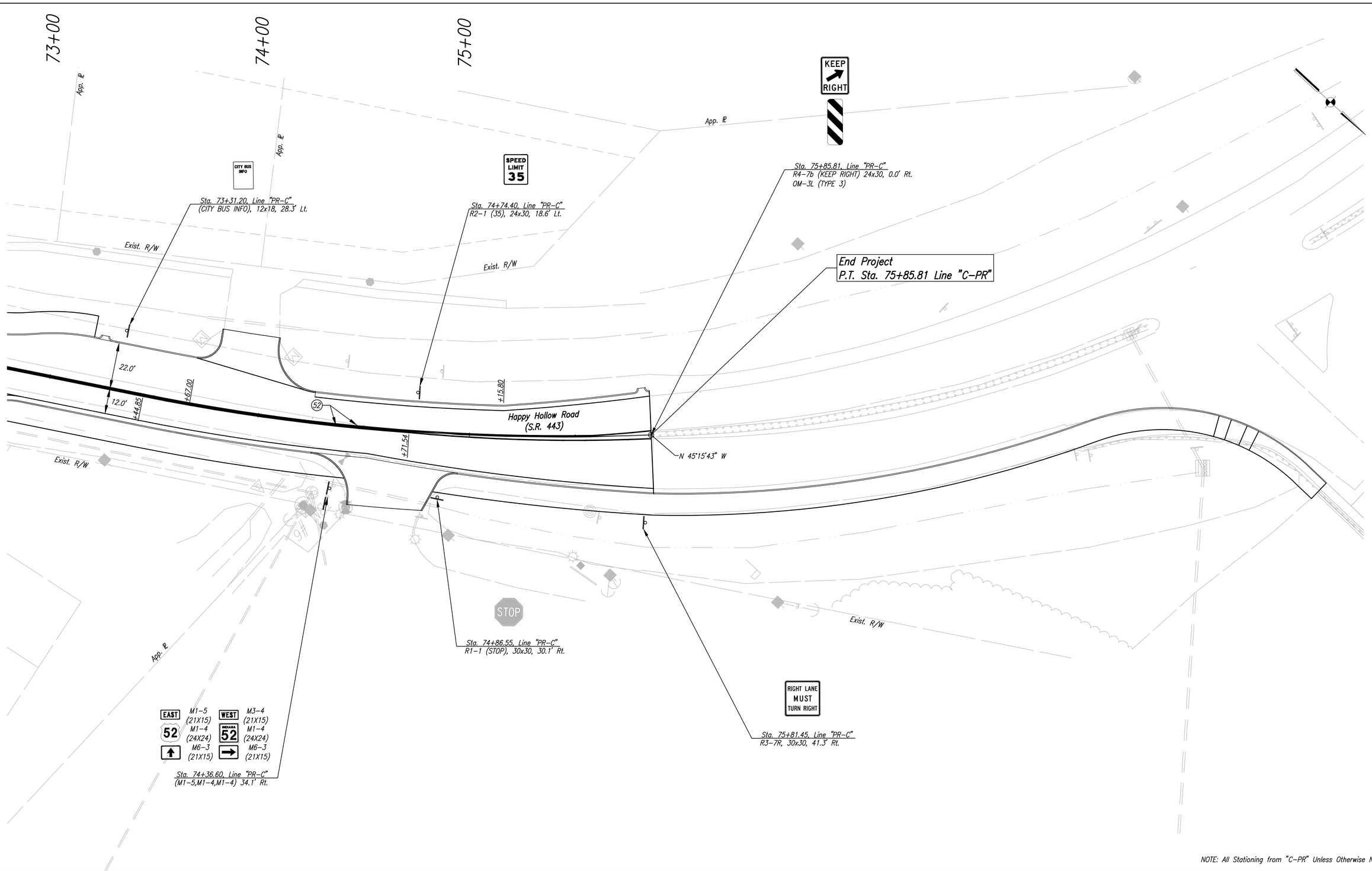
DESIGNED: BWS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 69+50 to 74+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	151 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-40\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



NOTE: All Stationing from "C-PR" Unless Otherwise Noted

LEGEND

(50) Line, Thermoplastic, Solid, White, 6 inch
(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Line, Thermoplastic, Broken, Yellow, 4 inch
(55) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(56) Pavement Message Marking, Thermoplastic, ONLY
(57) Transverse Marking, Thermoplastic, Crosswalk, 12 inch
(58) Transverse Marking, Thermoplastic, Yield Line, 18 inch
(59) Transverse Marking, Thermoplastic, Stopline, 24 inch
(60) Line, Thermoplastic, Solid, Yellow, 8 inch
(61) Line, Thermoplastic, Solid, Yellow, 12 inch
(62) Transverse Marking, Thermoplastic, Crosswalk, 24 inch

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing
Proposed Sheet Sign

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: BWS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING LINE "C-PR" 74+00 to 75+85.81

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	152 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\ 10-401\Road\Dwg\Plans\PR_Sign_Dtls.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

50+00

55+00

App. ℄

App. ℄

App. ℄

App. ℄

Sta. 12+45.52, Line"C-PR"
(BUSINESS SIGN), 33.7' Lt.

N 43°57'15" W

Line "C-PR"
Happy Hollow Road
(S.R. 443)

Exist. R/W

SPEED LIMIT 35

+Sta 11+87.27, Line"C-PR"
R2-1 (35) 24x30, 33' Rt.

STOP

+Sta 10+34.70, Line"C-PR"
R1-1 (STOP) 30x30, 16.5' Lt.

Station Equation:
P.O.T. 9+90.68 Line "C-PR" =
P.O.T. 51+90.76 Line "PR-A"

TO 52 — M4-5 (24X12), M1-4 (24X24), M6-1 (21X15)

+Sta 51+01.40, Line"PR-A"
43.0' Lt.

50

52

54

10+00

Exist. R/W

Line "PR-A"
N 19°52'36" E

River Road
(S.R. 43)

51

Begin Construction
Sta. 49+95.98 Line "PR-A"

Sta. 51+75.61, Line"PR-A"
D3-1(A), 50x8, 39.4' Rt.
D3-1(B), 34x8 39.4' Rt.
(Mounted on Power Pole)

TO 52 — M4-5 (24X12), M1-4 (24X24), M6-1 (21X15)

TO 65 — M4-5 (24X12), M1-1 (24X24), M6-3 (21X15)

Sta. 51+82.73, Line"PR-A"
27.5' Lt., 30.0' Lt.

TO 65 — M4-5 (24X12), M1-1 (24X24), M6-1 (21X15)

Sta. 51+91.66, Line"PR-A"
34.1' Lt.

Sta. 52+18.14, Line"PR-A"
(EXISTING SIGN), 50.0' Rt.

Sta. 53+08.14, Line"PR-A"
W1-4, 30X30, 28.3' Rt.

Sta. 53+91.31, Line"PR-A"
SIGN ("ADOPT A HIGHWAY")
28.5' Rt.

End Construction
Sta. 54+19.44 Line "PR-A"

LEGEND

(51) Line, Thermoplastic, Solid, White, 4 inch
(52) Line, Thermoplastic, Solid, Yellow, 4 inch
(53) Line, Thermoplastic, Broken, White, 4 inch
(54) Transverse Marking, Thermoplastic, Stopline, 24 inch
Proposed Sheet Sign

SNOWPLOWABLE RAISED PAVEMENT MARKERS
Broken White Lines: 80' Spacing
Solid White Lane Lines: 40' Spacing
Solid Yellow Lane Lines: 40' Spacing

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

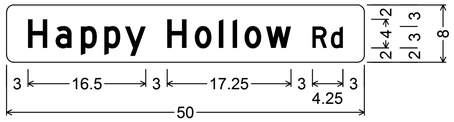
DESIGNED: SRS
DRAWN: DJZ
CHECKED: BJP
CHECKED: BJP

CITY OF WEST LAFAYETTE

SIGNING & PAVEMENT MARKING
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	153 of 174
CONTRACT	PROJECT
R-32947	0900002

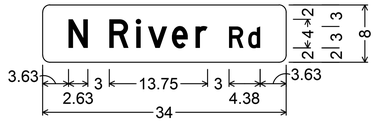
File Name: P:\C301\10-401\Road\Dwg\Plans\PR_Sign_DU PR-A.dwg Plot Date: 12/16/2013 Plotted By: Zola, David



1.00" Radius, No border, White on Green;
[Happy] D; [Hollow] D;
[Rd] D specified length;
Table of letter and object lefts.

H	a	p	p	y							
3.00	6.88	10.38	13.63	16.50							
	H	o	l	l	o	w					
	22.50	26.25	29.63	31.63	33.25	36.25					
	R	d									
	42.75	45.38									

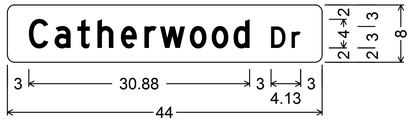
D3-1(A)



1.00" Radius, No border, White on Green;
[N] D; [River] D; [Rd] D;
Table of letter and object lefts.

N											
3.63											
	R	i	v	e	r						
	9.38	13.13	14.75	18.00	21.38						
	R	d									
	26.00	28.75									

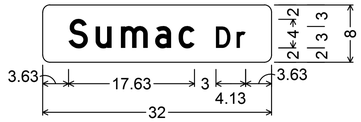
D3-1(B)



1.000" Radius, No border, White on Green;
[Catherwood] D; [Dr] D;
Table of letter and object lefts.

C	a	t	h	e	r	w	o	o	d		
3.000	6.625	9.750	12.625	15.875	19.125	21.375	25.500	28.500	31.625		
	D	r									
	36.875	39.750									

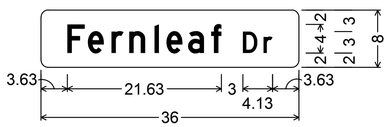
D3-1(C)



1.00" Radius, No border, White on Green;
[Sumac] D; [Dr] D;
Table of letter and object lefts.

S	u	m	a	c							
3.63	7.38	10.88	15.75	19.00							
	D	r									
	24.25	27.13									

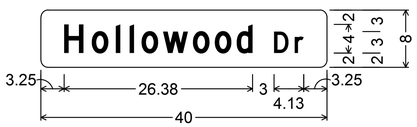
D3-1(D)



1.00" Radius, No border, White on Green;
[Fernleaf] D; [Dr] D;
Table of letter and object lefts.

F	e	r	n	l	e	a	f				
3.63	6.50	9.88	12.38	15.88	17.50	20.50	23.75				
	D	r									
	28.25	31.13									

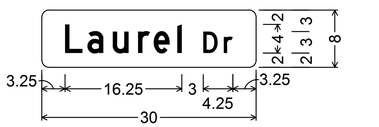
D3-1(E)



1.00" Radius, No border, White on Green;
[Hollowood] D; [Dr] D;
Table of letter and object lefts.

H	o	l	l	o	w	o	o	d			
3.25	7.13	10.50	12.38	14.00	17.13	21.25	24.25	27.38			
	D	r									
	32.63	35.50									

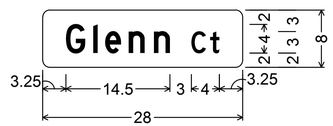
D3-1(F)



1.000" Radius, No border, White on Green;
[Laurel] D; [Dr] D;
Table of letter and object lefts.

L	a	u	r	e	l						
3.250	6.375	9.875	13.500	15.625	18.875						
	D	r									
	22.500	25.375									

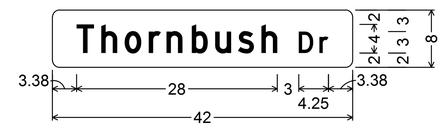
D3-1(G)



1.00" Radius, No border, White on Green;
[Glenn] D; [Ct] D;
Table of letter and object lefts.

G	l	e	n	n							
3.25	7.00	8.75	12.00	15.50							
	C	t									
	20.75	23.38									

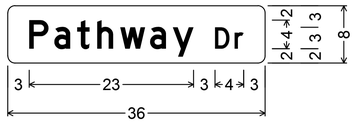
D3-1(H)



1.00" Radius, No border, White on Green;
[Thornbush] D; [Dr] D;
Table of letter and object lefts.

T	h	o	r	n	b	u	s	h			
3.38	6.88	10.13	13.50	16.00	19.50	22.75	25.88	29.25			
	D	r									
	34.38	37.25									

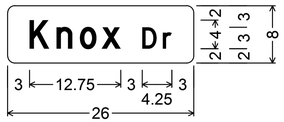
D3-1(I)



1.00" Radius, No border, White on Green;
[Pathway] D;
[Dr] D specified length;
Table of letter and object lefts.

P	a	t	h	w	a	y					
3.00	6.50	9.63	12.50	15.75	19.88	23.13					
	D	r									
	29.00	31.75									

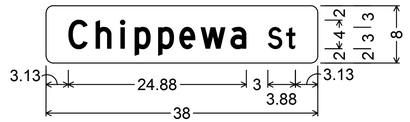
D3-1(J)



1.00" Radius, No border, White on Green;
[Knox] D; [Dr] D;
Table of letter and object lefts.

K	n	o	x								
3.00	6.88	10.13	13.13								
	D	r									
	18.75	21.63									

D3-1(K)



1.00" Radius, No border, White on Green;
[Chippewa] D; [St] D;
Table of letter and object lefts.

C	h	i	p	p	e	w	a				
3.13	6.88	10.50	12.38	15.63	18.63	21.63	25.75				
	S	t									
	31.00	33.50									

D3-1(L)

1.00" Radius, No border, White on Green;
[Villefranche] D; [Dr] D;
Table of letter and object lefts.

V	i	l	l	e	f	r	a	n	c	h	e		
3.00	7.00	9.00	10.88	12.50	15.50	18.00	20.25	23.75	27.00	30.25	33.63		
	D	r											
	38.75	41.63											

D3-1(M)

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: ATW DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHOP DRAWINGS

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	154 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C301\10-401\Road\Dwg\Plans\Prop_Shop_Signs.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

SHEET SIGN & POST SUMMARY

SIGN

POST

PLAN SHEET NO. /LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (in x in)	SIGN, SHEET WITH LEGEND AND SIGN AREA (ft^2)			SIGN, DOUBLE FACED SHEET, WITH LEGEND AND SIGN AREA (ft^2)			$2\frac{1}{4}$ x $2\frac{1}{4}$ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2).						$2\frac{1}{2}$ x $2\frac{1}{2}$ x 12 Ga (Type 3).					
										REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED		
										POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)		
				0.080	0.100	0.125	0.080	0.100	0.125	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE "C-PR"																										
	10+34.70 LT	R1-1	30 x 30	6.25						10.50		10.50														
	12+45.52 LT	EXISTING	–																							
	13+38.70 RT	R2-1-35	24 x 30	5.0						10.50		10.50														
	15+15.30 LT	D1-2	54 x 30		11.25											10.50	10.50	21.00								
	16+85.60 LT	W3-1a	30 x 30	6.25						10.50		10.50														
	20+26.20 RT	PARK SIGN	27 x 27	5.06						10.25		10.25														
	20+93.70 RT	D3-1	44 x 8					2.44		9.34		9.34														
	20+93.70 RT	D3-1	50 x 8					2.77																		
	20+94.25 RT	R1-1	30 x 30	6.25						10.50		10.50														
	21+10.20 LT	H4-5	12 x 18	1.50						9.50		9.50														
	22+28.90 LT	R1-1	30 x 30	6.25						10.50		10.50														
	23+79.85 LT	PARK SIGN	27 x 27	5.06						10.25		10.25														
	23+80.49 RT	W14-3	48 x 36		12.00											11.00	11.00	22.00								
	24+88.50 RT	EXISTING	–																							
	28+00.00 LT	R2-1-35	24 x 30	5.00						10.50		10.50														
	29+32.30 RT	BUS SIGN	12 x 18	1.50						9.50		9.50														
	30+21.80 LT	H4-5	12 x 18	1.50						9.50		9.50														
	30+03.80 RT	R1-1	30 x 30	6.25						10.50		10.50														
	31+21.80 LT	W1-4	30 x 30	6.25						10.50		10.50														
	31+46.50 RT	R2-1-35	24 x 30	5.00						10.50		10.50														
	34+62.60 RT	W1-4	30 x 30	6.25						10.50		10.50														
	36+41.00 RT	W14-1a	30 x 30	6.25						11.17		11.17														
	36+41.00 RT	W16-9	40 x 8	2.22																						
	37+61.20 LT	W14-3	48 x 36		12.00											11.00	11.00	22.00								
	38+61.20 LT	R2-1-35	24 x 30	5.00						10.50		10.50														
	43+54.10 RT	H4-5	12 x 18	1.50						9.50		9.50														
	SHEET SUBTOTAL			88.34	35.25			5.21				194.51						65.00								

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHEET SIGN & POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	155 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-4011\Road\Dwg\Plans\Prop_Sign_Tbl.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

SHEET SIGN & POST SUMMARY

SIGN

POST

PLAN SHEET NO. /LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (in x in)	SIGN, SHEET WITH LEGEND AND SIGN AREA (ft^2)			SIGN, DOUBLE FACED SHEET, WITH LEGEND AND SIGN AREA (ft^2)			$2\frac{1}{4}$ x $2\frac{1}{4}$ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2).						$2\frac{1}{2}$ x $2\frac{1}{2}$ x 12 Ga (Type 3).					
										REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)		
				0.080	0.100	0.125	0.080	0.100	0.125	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE "C-PR" (Cont'd)																										
	43+97.90 LT	W14-2	30 x 30	6.25						10.50		10.50														
	43+97.90 LT	R1-1	30 x 30	6.25																						
	44+38.10 LT	D3-1(D)	32 x 8				1.77			10.01		10.01														
	44+38.10 LT	D3-1(E)	36 x 8				2.00																			
	44+38.10 LT	D3-1(F)	40 x 8				2.22																			
	44+51.30 LT	R1-1	30 x 30	6.25						10.50		10.50														
	44+96.10 LT	W14-2	30 x 30	6.25						10.50		10.50														
	45+08.65 LT	W10-15	30 x 30	6.25						10.50		10.50														
	46+84.60 LT	D3-1(G)	30 x 8				1.66			9.34		9.34														
	46+84.60 LT	D3-1(A)	50 x 8				2.77																			
	46+84.23 LT	R1-1	30 x 30	6.25						10.50		10.50														
	47+32.50 LT	W14-1b	30 x 30	6.25						10.50		10.50														
	47+86.25 LT	W10-15	30 x 30	6.25						10.50		10.50														
	49+53.80 RT	W1-2L	30 x 30	6.25						10.50		10.50														
	50+23.70 LT	W1-4	30 x 30	6.25						10.50		10.50														
	50+66.90 LT	D3-1(H)	28 x 8				1.55			11.84		11.84														
	50+66.90 LT	D3-1(A)	50 x 8				2.77																			
	50+66.90 LT	R1-1	30 x 30	6.25																						
	51+41.65 LT	W10-15	30 x 30	6.25						10.50		10.50														
	53+20.55 LT	D3-1(I)	42 x 8				2.33			11.84		11.84														
	53+20.55 LT	D3-1(A)	50 x 8				2.77																			
	53+20.55 LT	R1-1	30 x 30	6.25																						
	53+20.55 LT	W14-2	30 x 30	6.25						10.50		10.50														
	54+00.11 LT	W10-15	30 x 30	6.25						10.50		10.50														
	54+90.74 LT	R2-1-35	24 x 30	5.00						10.50		10.50														
	SHEET SUBTOTALS			98.75			19.84					179.53														

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-895-2585
Fax 317-895-2596
www.ucindy.com

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHEET SIGN & POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	156 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Prop_Sign_Tb.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

SHEET SIGN & POST SUMMARY

SIGN

POST

PLAN SHEET NO. /LINE	SIGN LOCATION		SIGN CODE	SIGN SIZE (in x in)	SIGN, SHEET WITH LEGEND AND SIGN AREA (ft²)			SIGN, DOUBLE FACED SHEET, WITH LEGEND AND SIGN AREA (ft²)			2¼ x 2¼ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2).						2½ x 2½ x 12 Ga (Type 3).					
											REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)		
					0.080	0.100	0.125	0.080	0.100	0.125	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE "C-PR" (Cont'd)																												
	55+52.11	LT	D3-1(J)	36 x 8					2.00		9.34		9.34															
	55+52.11	LT	D3-1(A)	50 x 8					2.77																			
	55+52.35	LT	R1-1	30 x 30	6.25						10.50		10.50															
	55+89.74	Lt	W14-1b	30 x 30	6.25						10.50		10.50															
	56+35.00	LT	W10-15	30 x 30	6.25						10.50		10.50															
	57+02.71	RT	R2-1-35	24 x 30	5.00						10.50		10.50															
	61+76.00	LT	R1-1	30 x 30	6.25						10.50		10.50															
	61+76.00	LT	D3-1(K)	26 x 8				1.44			9.34		9.34															
	61+76.00	LT	D3-1(A)	50 x 8					2.77																			
	63+05.45	RT	MARKER	6 x 8	0.33						8.67		8.67															
	66+50.25	LT	W1-2R	30 x 30	6.25						10.50		10.50															
	66+61.10	RT	M2-1	21 x 15	2.19						9.25		9.25															
	66+61.10	RT	M1-4	24 x 24	4.00						10.00		10.00															
	68+90.30	LT	D3-1(L)	38 x 8					2.11		9.34		9.34															
	68+90.30	LT	D3-1(A)	50 x 8					2.77																			
	68+29.50	RT	R1-5	36 x 36		9.00					11.00		11.00															
	68+62.00	RT	W11-2	30 x 30	6.25						Mounted on Pedestal																	
	68+62.00	RT	W16-7PL	24 x 12	2.00																							
	68+90.30	LT	R1-1	30 x 30	6.25						10.50		10.50															
	69+78.00	LT	W11-2	30 x 30	6.25						Mounted on Pedestal																	
	69+78.00	LT	W16-7PL	24 x 12	2.00																							
	69+54.90	LT	R1-5	36 x 36		9.00					11.00		11.00															
	71+11.80	RT	W1-2L	30 x 30	6.25						10.50		10.50															
	72+01.00	RT	D3-1(M)	46 x 8					2.55		9.34		9.34															
	72+01.00	RT	D3-1(A)	50 x 8					2.77																			
	72+62.53	RT	R1-1	30 x 30	6.25						10.50		10.50															
	73+31.20	LT	BUS STOP	12 x 18	1.50						9.50		9.50															
	SHEET SUBTOTALS				79.52	18.00		1.44	17.74				181.28															

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DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHEET SIGN & POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002

SURVEY BOOK	SHEETS
–	157 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Prop_Sign_Tbl.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

SHEET SIGN & POST SUMMARY

SIGN

PLAN SHEET NO. /LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (in x in)	SIGN, SHEET WITH LEGEND AND SIGN AREA (ft^2)			SIGN, DOUBLE FACED SHEET, WITH LEGEND AND SIGN AREA (ft^2)		
				0.080	0.100	0.125	0.080	0.100	0.125
LINE "C-PR" (Cont'd)									
	74+36.00 RT	M3-2	21 x 15	2.19					
	74+36.00 RT	M1-4	24 x 24	4.0					
	74+36.00 RT	M6-3	21 x 15	2.19					
	74+36.00 RT	M3-4	21 x 15	2.19					
	74+36.00 RT	M1-4	24 x 24	4.00					
	74+36.00 RT	M6-1	21 x 15	2.19					
	74+86.55 RT	R1-1	30 x 30	6.25					
	74+74.40 LT	R2-1(35)	24 x 30	5.0					
	75+81.45 RT	R3-7R	30 x 30	6.25					
	75+85.81 LT	R4-7B	24 x 30	5.0					
	75+85.81 LT	OM-3L	12 x 36	3.0					
LINE "PR-A"									
	51+01.50 LT	M4-5	24 x 12	2.0					
	51+01.50 LT	M1-4	24 x 24	4.0					
	51+01.50 LT	M6-1	21 x 15	2.19					
	51+75.61 RT	D3-1(A)	50 x 8				2.77		
	51+75.61 RT	D3-1(B)	34 x 8				1.88		
	SHEET SUBTOTALS			50.45			4.65		

POST

PLAN SHEET NO. /LINE	SIGN LOCATION	$2\frac{1}{4}$ x $2\frac{1}{4}$ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2).						$2\frac{1}{2}$ x $2\frac{1}{2}$ x 12 Ga (Type 3).					
		REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED			REINFORCED			UNREINFORCED		
		POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)		
		1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE "C-PR" (Cont'd)																			
	74+36.00 RT	12.50		12.50															
	74+36.00 RT																		
	74+36.00 RT																		
	74+36.00 RT	12.50		12.50															
	74+36.00 RT																		
	74+36.00 RT																		
	74+36.00 RT																		
	74+86.55 RT	10.50		10.50															
	74+74.40 LT	10.50		10.50															
	75+81.45 RT	10.50		10.50															
	75+85.81 LT	13.50		13.50															
	75+85.81 LT																		
LINE "PR-A"																			
	51+01.50 LT	12.25		12.25															
	51+01.50 LT																		
	51+01.50 LT																		
	51+75.61 RT	Mounted on Power Pole																	
	51+75.61 RT																		
	SHEET SUBTOTALS			82.25															

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CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHEET SIGN & POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	158 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C351\10-401\Road\Dwg\Plans\Prop_Sign_Tbl.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

SHEET SIGN & POST SUMMARY

SIGN

POST

PLAN SHEET NO. /LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (in x in)	SIGN, SHEET WITH LEGEND AND SIGN AREA (ft²)			SIGN, DOUBLE FACED SHEET, WITH LEGEND AND SIGN AREA (ft²)			2¼ x 2¼ x 12 Ga (Type 1)						2 x 2 x 12 Ga (Type 2).						2½ x 2½ x 12 Ga (Type 3).					
										REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)		
				0.080	0.100	0.125	0.080	0.100	0.125	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL
LINE "PR-A" (Cont'd)																											
	51+82.73 RT	M4-5	24 x 12	2.00						12.25		12.25															
	51+82.73 RT	M1-4	24 x 24	4.00																							
	51+82.73 RT	M6-1	21 x 15	2.19																							
	51+82.73 RT	M4-5	24 x 12	2.00						12.25		12.25															
	51+82.73 RT	M1-1	24 x 24	4.00																							
	51+82.73 RT	M6-3	21 x 15	2.19																							
	51+91.66 RT	M4-5	24 x 12	2.00						12.25		12.25															
	51+91.66 RT	M1-1	24 x 24	4.00																							
	51+91.66 RT	M6-1	21 x 15	2.19																							
	52+18.14 RT	EXISTING	–																								
	53+13.26 RT	W1-4	30 x 30	6.25						10.50		10.50															
	53+91.31 RT	EXISTING	–																								
	SHEET SUBTOTAL			30.82								47.25															
	TOTALS			347.88	53.25		21.28	27.60				684.82						65.00									

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CITY OF WEST LAFAYETTE

PROPOSED SIGNS
SHEET SIGN & POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	159 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Prop_Sign_Tb.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

RIPRAP & PSD SUMMARY TABLE

FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	CLASS I RIPRAP	REVETMENT RIPRAP	GEOTEXTILES	PAVED SIDE DITCH, A
LOCATION					Tons	Tons	Sys	Lft
LINE "C-PR"								
20+09.22 – CULVERT			X		270.0		323.2	
Other Structures (See Str Date Table)						23.0	41.0	
DITCHES								
22+00.00	22+90.00			X				90.0
30+75.00	33+75.00	X						300.0
32+63.07	32+68.47			X				5.8
33+19.00	35+25.00			X				206.0
37+36.55	37+91.50			X				55.0
38+25.00	38+92.04			X				67.0
LINE "PR-A"								
53+75.00	54+50.00			X		64.4	85.8	
	TOTALS				270.0	87.4	450.0	723.8

SODDING SUMMARY TABLE

FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	FOR DITCHES	FOR CLEAR ZONE	FOR PAVED SIDE DITCH
					sys.	sys.	sys.
LINE "C-PR"							
60+50.00	61+00.00	X			92.4		
62+25.00	63+15.00			X	44.6		
62+50.00	63+50.00	X			55.3		
63+91.46	64+50.00	X			71.6		
LINE "PR-A"							
50+00.00	52+75.00			X	508.4		
53+00.00	53+75.00			X	138.7		
	TOTALS				911.0		

MONUMENTS

ALIGNMENTS		TYPE				
STATION	DESIGNATION	A	B	C	D	SEC. COR.
LINE "C-PR"						
9+90.68	BEGIN PROJECT		1			
13+02.55	PC		1			
18+67.14	PT		1			
21+70.24	PC		1			
23+83.06	PI		1			
25+95.88	PT		1			
32+95.28	PI		1			
34+32.58	PC		1			
35+58.15	PI		1			
36+83.71	PT		1			
37+48.65	PI		1			
38+07.04	PC		1			
40+05.94	PI		1			
42+04.84	PT		1			
44+20.22	PC		1			
45+99.43	PI		1			
47+78.64	PT		1			
52+36.05	PC		1			
53+92.63	PI		1			
55+49.20	PT		1			
58+84.28	PC		1			
61+07.74	PI			1		
63+31.19	PT		1			
73+44.84	PC		1			
74+65.33	PI		1			
75+85.82	PT		1			
LINE "PR-A"						
47+00.00	BEGIN PROJECT		1			
54+00.00	PI		1			
55+63.50	PC		1			
58+05.17	PI		1			
60+46.83	PT		1			
61+75.10	END PROJECT		1			
	TOTALS:		31	1		

R/W MARKERS

STATION	OFFSET (ft)		STATION	OFFSET (ft)		STATION	OFFSET (ft)	
	LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT
LINE "C-PR"			LINE "PR-A"					
11+07.80		86.5	50+00.00		40.0			
11+35.00		40.5	50+55.00		55.0			
			52+44.21		55.0			
22+26.46	43.2		53+00.00		53.0			
22+26.22	63.0		53+95.00		40.0			
22+64.87	98.7							
22+91.44	76.4		53+20.00	67.0				
22+77.50	43.5		53+95.00	54.9				
29+50.00		46.3						
29+50.00		54.0						
30+00.00		54.0						
30+00.00		46.3						
37+96.65	62.0							
39+26.51	60.0							
44+18.00	109.9							
44+25.00	114.0							
44+37.00	86.9							
55+97.64		35.0						
56+86.12		35.0						
62+29.83	55.0							
63+31.19	55.0							
68+88.49	55.0							
62+36.03		40.0						
64+05.51		40.0						
66+17.55		40.0						
67+93.98		40.0						
68+18.71		40.0						
69+00.00		40.0						
69+17.00		36.6						
71+25.00	50.5							
71+35.00	60.0							
71+87.00	60.0							
71+87.00	55.2							
			TOTALS:	39				

MAILBOXES

STATION	OFFSET (ft)		MAILBOX ASSEMBLY	
	LEFT	RIGHT	SINGLE	DOUBLE
32+72.51		X	1	
35+25.33		X	1	
38+96.24		X	1	
42+54.79		X	1	
44+64.69		X	1	
44+79.86	X		1	
45+13.08	X		1	
46+63.28		X	1	
48+21.54	X		1	
50+14.35		X	1	
51+45.85		X	1	
52+37.52		X	1	
53+72.32		X	1	
58+38.33	X		1	
58+39.90	X		1	
60+27.38		X	1	
61+75.24		X	1	
63+72.09		X	1	
65+81.73		X	1	
66+16.96		X	1	
68+20.28		X	1	
71+73.03	X		1	
72+19.16	X		1	
73+65.66	X		1	
74+11.11	X		1	
TOTALS			25	

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DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

MISCELLANEOUS TABLE

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	160 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\(CSD\10-4011\Road\Dwg\Plans\MISC. TABLE.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

SUMMARY OF QUANTITIES & APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH "W"	LENGTH "L"	DISTANCE BEYOND R/W LINE	RADII "R"	GRADE (LESS THAN 10% NOT SHOWN)		EXCAVATION		MILLING, APPROACH	SUBBASE FOR PCCP	COARSE AGGREGATE NO. 8	D-1 CONTRACTION JOINT	SUBGRADE TREATMENT TYPE I	SUBGRADE TREATMENT TYPE IIA	SUBGRADE TREATMENT TYPE IIIA	RETROFIT TIE-BARS	QC/QA PCCP			JOINT ADHESIVE SURF.	JOINT ADHESIVE INT.	ASPHALT FOR TACK COAT	SIDEWALK CONCRETE		QC/QA HMA					COMPACTED AGGREGATE NO. 53		COMPACTED AGGREGATE, NO. 53, Base		HMA FOR SIDEWALK	HMA FOR APPROACHES	PCCP FOR APPROACHES		CURB CONCRETE	CURB & GUTTER CONCRETE MODIFIED	CURB & GUTTER B, CONCRETE, MODIFIED	SURFACE BEYOND R/W LINE		
						1	2	CUTS	FILL									14"	15"	10.5"					9.5mm SURFACE	19.0mm INTER	QC 25.0mm INTER	25.0mm BASE	25.0mm BASE												TYPE "P" COMP. AGG. BASE	BITUMINOUS	CONCRETE
																									LBS. PER SYD.																	
		FEET	FEET	FEET	FEET	%	%	CYS.		SYS.	CYS.	TONS	LFT.	SYS	SYS	SYS	EACH	SYS.	SYS.	SYS.	LFT.	LFT.	TONS	SYS.		TONS	TONS	TONS	TONS	TONS	TONS			TONS			TONS								
Line "C-PR"															26103.0						8392.9	8392.9	19.88	100.5		1608.9	2681.4	6805.7			87.3			6272.1					355.7	2104.3	1729.0			
12+08.00, LT.	Class III	36.9	22.6		10/15											94.9																							94.9					
12+75.90, Lt.	Class III	18.7	22.6		15/20											69.5																							69.5					
12+75.60, Rt.	Class I	20.0	22.0		20/10											67.7																							67.7					
14+03.80, Rt.	Class I	18.0	22.4		20/10											63.7																							63.7					
15+39.00, Rt.	Class I	19.0	22.7		20/10											66.8																							66.8					
17+09.50, Rt.	Class I	18.5	18.2		20/10											56.3																							56.3					
17+42.30, Lt.	Class I	11.8	23.5		10/20											49.7																							49.7					
19+09.80. Lt.	Class I	11.8	25.4		10/20											52.2																							52.2					
20+71.07, Rt.	Street Approach	29.1	35.4		25/25										195.0																						79.5							
22+38.41, Lt.	Street Approach	21.3	79.0		30/25										378.7																						156.1							
23+09.40, Rt.	Class I	10.0	22.0		20/10											43.3																							43.3					
29+93.50, Rt.	Class III	24.3	40.6		20/10											112.7																							112.7					
32+87.60, Rt.	Class I	14.0	16.5		20/10											41.6																							41.6					
35+40.60, Rt.	Class I	14.0	20.3		20/10											50.4																							50.4					
37+19.80, Rt.	Class I	19.0	21.6		20/10											64.5																							64.5					
38+07.50, Rt.	Class I	14.0	18.9		20/10											48.3																							48.3					
42+88.20, Rt.	Class I	19.9	22.2		20/10											76.5																							76.5					
44+16.70, Rt.	Class III	21.7	35.7		20/10											114.9																							114.9					
44+18.85, Lt.	Street Approach	29.9	88.2		25/150										737.2																						291.4							
44+74.90, Lt.	Class I	13.0	20.1		10/15											46.4																							46.4					
45+23.50, Lt.	Class I	18.0	28.0		10/20											74.9																							74.9					
46+46.20, Rt.	Class I	18.2	15.8		20/10											50.8																							50.8					
47+02.32, Lt.	Street Approach	29.8	64.2		25/25										325.6																						135.4							
49+19.30, Lt.	Class I	14.0	22.5		10/20											53.9																							53.9					
49+72.70, Rt.	Class I	11.0	23.4		20/5											38.4																							38.4					
50+90.53, Lt.	Street Approach	29.8	55.0		25/25										283.2																						117.1							
51+09.80, Rt.	Class I	15.1	12.5		10/10											33.0																							33.0					
51+62.80, Rt.	Class I	11.9	13.7		20/10											34.7																							34.7					
52+64.30, Rt.	Class I	23.6	16.9		20/10											53.8																								53.8					
53+44.30, Lt.	Street Approach	29.9	69.2		25/25										345.4																						143.2							
54+62.90, Rt.	Class I	12.2	19.5		20/10											45.3																							45.3					
55+67.82, Lt.	Street Approach	28.8	58.5		25/25										292.0																						119.7							
56+50.00, Rt.	Class I	14.0	22.6		20/10											54.0																							54.0					
56+54.80, Lt.	Class I	18.4	26.4		10/20											72.8																							72.8					
58+26.70, Lt.	Class I, Mod.	16.8	22.6		10/											61.9																							61.9					
58+54.50, Lt.	Class I, Mod.	22.8	22.6		/20											85.5																							85.5					
60+20.40, Rt.	Class I	15.5	21.2		17/10											54.9																							54.9					
61+69.10, Rt.	Class I	19.6	28.6		20/10											86.2																							86.2					
61+98.98, Lt.	Street Approach	29.8	61.3		25/30										321.4																						133.5							
63+43.70, Rt.	Class I	22.5	28.8		20/10											90.9																							90.9					
65+76.00, Rt.	Class I	11.6	24.7		20/10											55.7																							55.7					
66+47.90, Rt.	Class I	10.9	32.5		20/10											68.9																							68.9					
68+03.70, Rt.	Class I	15.1	21.6		20/10											50.7																							50.7					
69+13.38, Lt.	Street Approach	32.3	31.7		30/25										193.0										3.9										79.5							
		32.3	12.8							45.9													0.01			3.8																	
72+01.30, Lt.	Class III	23.5	30.7		10/20											99.0																							99.0					
72+42.88, Rt.	Street Approach	28.8	54.5		52/37										348.1																						147.0							
73+91.50, Lt.	Class III	26.5	18.7		10/20											65.1																								65.1					
74+61.90, Rt.	Class III	34.8	23.8		20/10											120.3																								120.3					
Line "S-9-A"																																												
10+60.90, Rt.	Class I, Mod.	14.0	5.0		5/					9.5																0.8																		
Line "PR-A"															2540.9								1.73			191.0	319.7	780.2			70.4			280.6	58.3								
52+61.80, Rt.	Class I	10.6	20.1		25/15											53.2										0.8											53.2							
TOTAL										55.4					32063.5	2523.3					9239.8	9239.8	21.62	104.4		1804.5	3001.1	7585.9			157.7			6552.7	1436.8	1402.4	1793.1	730.2	355.7	2104.3	1729.0			

UNITED Consulting
1625 N. Post Road
Indianapolis, IN 46219
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

SUMMARY OF QUANTITIES & APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
none	–
VERTICAL SCALE	DESIGNATION
NONE	0900002
SURVEY BOOK	SHEETS
–	161 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plates\Approach Table.dwg Plot Date: 12/16/2015 Plotted By: Crossland, Matt

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE									OUTLET PIPE								OUTLET PROTECTOR						REMARKS
	TYPE 4 PIPE		AGGREGATE FOR UNDERDRAINS	GEOTEXTILES FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE	45 DEGREE ELBOWS REQUIRED	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION				
	4 INCH	6 INCH																		OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	
	LFT	LFT	CYS	SYS	TONS	%						LFT	EACH			CYS	TONS							
Line "C-PR" – Left																								
49+95.98 "PR-A", Lt.		194	12.6	111.4			534.28																	
10+20							530.35	9	D.I.F.				2											
10+20		25	1.6	14.4			530.35	9	D.I.F.				2											
10+45							529.72	10	529.24				2											
10+45		23	1.5	13.2			529.72	10	529.24				2											
10+68							529.38	11	528.68				2											
10+68		24	1.6	13.8			529.38	11	528.68				2											
10+92		7	0.5	4.0		–0.20%	529.22																	
10+99							529.20	12	528.01				2											
10+99		5	0.3	2.9		+0.22%	529.20	12	528.01				2											
11+04		26	1.7	14.9			529.21																	
11+30							529.29	13	527.59				2											
10+30		50	3.2	28.7			529.29	13	527.59															
11+80							529.44	16	527.73															
11+80		70	4.5	40.2			529.44	16	527.73				2											
12+50							529.70	17	529.20				2											
12+50		615	39.9	353.1			529.70	17	529.20															
18+65							532.76	27	532.23															
18+65		170	11.0	97.6			532.76	27	532.23															
20+35							535.89	30	534.20															
20+35		165	10.7	94.7			535.89	30	534.20				2											
22+00							542.06	31	534.61				2											
22+00		250	16.2	143.5			542.06	31	534.61															
24+50							555.59	35	555.14															
24+50		275	17.8	157.9			555.59	35	555.14															
27+25							574.93	36	574.49															
27+25		175	11.3	100.5			574.93	36	574.49															
29+00							587.16	38	586.76															
29+00		160	10.4	91.9			587.16	38	586.76															
30+60							598.88	42	598.44															
30+60		415	26.9	238.2			598.88	42	598.44															
34+75							629.46	45	625.76															
30+60		300	19.4	172.2			629.46	45	625.76															
34+75							651.66	48	651.21															
34+75		75	4.9	43.1			651.66	48	651.21															
38+50							657.31	50	656.86															
38+50		100	6.5	57.4			657.31	50	656.86															
39+50							664.58	54	664.13															
39+50		100	6.5	57.4			664.58	54	664.13															
40+50							671.67	56	671.22															
SHEET SUBTOTAL		**3224**	**209.0**	**1851.0**								**52.0**												

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER ______ DATE

DESIGNED: ATW | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
–	162 of 174
CONTRACT	PROJECT
IR–30143	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

UNDERDRAIN TABLE

UNDERDRAIN PIPE										OUTLET PIPE								OUTLET PROTECTOR						
UNDERDRAIN PIPE LIMITS	TYPE 4 PIPE 4 INCH	TYPE 4 PIPE 6 INCH	AGGREGATE FOR UNDERDRAINS	GEOTEXTILES FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE	45 DEGREE ELBOWS REQUIRED	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION OUTSIDE LEFT	LOCATION MEDIAN LEFT	LOCATION MEDIAN RIGHT	LOCATION OUTSIDE RIGHT	REMARKS
	LFT	LFT	CYS	SYS	TONS	%						LFT	EACH			CYS	TONS							
Line "C-PR" – Left																								
64+70		70	4.5	40.2			718.23	101	715.13				2											
65+40							718.44	102	715.44				2											
65+40		80	5.2	45.9			718.44	102	715.44				2											
66+20							718.83	105	718.38															
66+20		80	5.2	45.9			718.83	105	718.38															
67+00							719.23	107	718.78															
67+00		80	5.2	45.9			719.23	107	718.78															
67+80							719.63	110	719.18															
67+80		80	5.2	45.9			719.63	110	719.18															
68+60							720.03	112	718.33				2											
68+60		115	7.5	66.0			720.03	112	718.33				2											
69+75							720.60	114	718.90				2											
69+75		75	4.9	43.1			720.60	114	718.90				2											
70+50							720.99	116	720.54				2											
70+50		85	5.5	48.8			720.99	116	720.54															
71+35							721.58	120	720.59															
71+35		115	7.5	66.0			721.58	120	720.59				2											
72+50							722.22	122	721.77				2											
72+50		67	4.3	38.5		+0.20%	722.22	122	721.77															
73+17		121	7.8	69.5			722.36																	
74+38							723.09																	
74+38		13	0.6	6.0			723.59																	1' Deep Underdrain Trench
74+51		134.81	5.8	62.4		-0.20%	723.56																	
75+85.81							721.60			75+85.81	721.52	27	2	721.02				1	3	X				
SHEET SUBTOTAL		**1115.81**	**69.2**	**624.1**								**71**							**3**					

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER DATE

DESIGNED: ATW DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
–	163 of 174
CONTRACT	PROJECT
IR-30143	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE: TYPE 4 PIPE 4 INCH	TYPE 4 PIPE 6 INCH	AGGREGATE FOR UNDERDRAINS	GEOTEXTILES FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	OUTLET PIPE: OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE	45 DEGREE ELBOWS REQUIRED	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR: OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION: OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	REMARKS
	LFT	LFT	CYS	SYS	TONS	%						LFT	EACH			CYS	TONS							
Line "C-PR" - Left																								
40+50		100	6.5	57.4			671.67	56	671.22															
41+50							678.48	59	678.04															
41+50		100	6.5	57.4			678.48	59	678.04															
42+50							684.89	62	684.44															
42+50		130	8.4	74.6			684.89	62	684.44															
43+80							691.68	63	686.96				2											
43+80		185	12.0	106.2			691.68	63	686.96				2											
45+65							694.16	65	689.32				2											
45+65		85	5.5	48.8			694.16	65	689.32				2											
46+50							694.97	67	691.27				2											
46+50		125	8.1	71.8			694.97	67	691.27				2											
47+75							697.75	69	694.05				2											
47+75		75	4.9	43.1			697.75	69	694.05				2											
48+50							700.90	70	697.20				2											
48+50		190	12.3	109.1			700.90	70	697.20				2											
50+40							704.84	72	701.14				2											
50+40		160	10.4	91.9			704.84	72	701.14				2											
52+00							706.62	74	702.92				2											
52+00		90	5.8	51.7			706.62	74	702.92				2											
52+90							707.62	76	704.42				2											
52+90		160	10.4	91.9			707.62	76	704.42				2											
54+50							709.39	79	706.19				2											
54+50		175	11.3	100.5			709.39	79	706.19				2											
56+25							711.34	82	707.64				2											
56+25		90	5.8	51.7			711.34	82	707.64				2											
57+15							712.33	84	708.64				2											
57+15		185	12.0	106.2			712.33	84	708.64				2											
59+00							714.12	88	710.43				2											
59+00		100	6.5	57.4			714.12	88	710.43				2											
60+00							714.97	89	711.27				2											
60+00		100	6.5	57.4			714.97	89	711.27				2											
61+00							715.82	92	712.12				2											
61+00		150	9.7	86.1			715.82	92	712.12				2											
62+50							717.05	97	716.61															
62+50		150	9.7	86.1			717.05	97	716.61															
64+00							717.96	100	714.76															
64+00		70	4.5	40.2			717.96	100	714.76				2											
64+70							718.23	101	715.13				2											
SHEET SUBTOTAL		**2420**	**156.8**	**1389.5**								**120**												

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE

DESIGNED: ATW DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	-
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
-	164 of 174
CONTRACT	PROJECT
IR-30143	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE: TYPE 4 PIPE 4 INCH (LFT)	TYPE 4 PIPE 6 INCH (LFT)	AGGREGATE FOR UNDERDRAINS (CYS)	GEOTEXTILES FOR UNDERDRAINS (SYS)	HMA FOR UNDERDRAINS (TONS)	SPECIAL GRADE (%)	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	OUTLET PIPE: OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE (LFT)	45 DEGREE ELBOWS REQUIRED (EACH)	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL (CYS)	HMA FOR UNDERDRAINS (TONS)
Line "C-PR" – Right																	
10+72.86		113	7.3	64.9			527.62										
11+30							529.02			11+30	528.94	10	2		14		
11+30		50	3.2	28.7			529.02										
11+80							529.30	15	526.71				2				
11+80		130	8.4	74.6			529.30	15	526.71				2				
13+10							529.83	18	527.14				2				
13+10		55	3.6	31.6			529.83	18	527.14				2				
13+65							530.00	19	527.30				2				
13+65		60	3.9	34.4			530.00	19	527.30				2				
14+25							530.18	20	527.48				2				
14+25		55	3.6	31.6			530.18	20	527.48				2				
14+80							530.34	21	527.64				2				
14+80		85	5.5	48.8			530.34	21	527.64				2				
15+65							530.60	22	527.90				2				
15+65		75	4.9	43.1			530.60	22	527.90				2				
16+40							530.82	23	528.12				2				
16+40		90	5.8	51.7			530.82	23	528.12				2				
17+30							531.09	24	528.40				2				
17+30		60	3.9	34.4			531.09	24	528.40				2				
17+90							531.46	25	529.77				2				
17+90		75	4.9	43.1			531.46	25	529.77				2				
18+65							532.39	26	530.70				2				
18+65		150	9.7	86.1			532.39	26	530.70								
20+15							535.41	29	533.72								
20+15		400	25.9	229.6			535.41	29	533.72								
24+15							553.39	34	552.45								
24+15		525	34.0	301.4			553.39	34	552.45								
29+40							590.00	39	586.35				2				
29+40		80	5.2	45.9			590.00	39	586.35				2				
30+20							595.91	41	592.22				2				
30+20		245	15.9	140.6			595.91	41	592.22				2				
32+65							614.93	43	609.22				2				
32+65		210	13.6	120.6			614.93	43	609.22				2				
34+75							629.46	44	624.76				2				
34+75		175	11.3	100.5			629.46	44	624.76				2				
36+50							642.23	46	636.53				2				
36+50		250	16.2	143.5			642.23	46	636.53				2				
39+00							661.00	52	660.55				2				
SHEET SUBTOTAL		**2883**	**186.8**	**1655.1**								**134**					

OUTLET PROTECTOR: OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION: OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	REMARKS

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER DATE

DESIGNED: ATW | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
–	165 of 174
CONTRACT	PROJECT
IR-30143	0900002

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE: TYPE 4 PIPE 4 INCH	UNDERDRAIN PIPE: TYPE 4 PIPE 6 INCH	AGGREGATE FOR UNDERDRAINS	GEOTEXTILES FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION
Line "C-PR" – Right	LFT	LFT	CYS	SYS	TONS	%			
39+00		200	13.0	114.8			661.00	52	660.55
41+00							675.20	57	670.46
41+00		145	9.4	83.2			675.20	57	670.46
42+45							684.57	60	680.87
42+45		255	16.5	146.4			684.57	60	680.87
45+00							693.54	64	688.84
45+00		100	6.5	57.4			693.54	64	688.84
46+00							694.49	66	690.80
46+00		100	6.5	57.4			694.49	66	690.80
47+00							695.70	68	692.00
47+00		250	16.2	143.5			695.70	68	692.00
49+50							703.84	71	700.14
49+50		185	12.0	106.2			703.84	71	700.14
51+35							705.90	73	702.20
51+35		165	10.7	94.7			705.90	73	702.20
53+00							707.73	78	707.28
53+00		200	13.0	114.8			707.73	78	707.28
55+00							709.95	81	707.80
55+00		350	22.7	200.9			709.95	81	707.80
58+50							713.70	87	713.25
58+50		250	16.2	143.5			713.70	87	713.25
61+00							715.82	95	715.37
61+00		300	19.4	172.2			715.82	95	715.37
64+00							717.96	99	714.26
64+00		200	13.0	114.8			717.96	99	714.26
66+00							718.97	103	715.77
66+00		100	6.5	57.4			718.97	103	715.77
67+00							719.47	108	716.27
67+00		150	9.7	86.1			719.47	108	716.27
68+50							720.22	111	717.02
68+50		125	8.1	71.8			720.22	111	717.02
69+75							720.84	115	717.64
69+75		85	5.5	48.8			720.84	115	717.64
70+60							721.27	117	718.07
70+60		75	4.9	43.1			721.27	117	718.07
71+35							721.65	119	719.94
71+35		155	10.0	89.0			721.65	119	719.94
72+90							722.42	124	721.97
72+90		127	8.2	72.9			722.42	124	721.97
74+17							723.17	126	721.54
SHEET SUBTOTAL		**3517**	**228.0**	**2018.9**					

UNDERDRAIN PIPE LIMITS	OUTLET PIPE: OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE	45 DEGREE ELBOWS REQUIRED	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR: OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION: OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	REMARKS
Line "C-PR" – Right			LFT	EACH			CYS	TONS							
39+00															
41+00				2											
41+00				2											
42+45				2											
42+45				2											
45+00				2											
45+00				2											
46+00				2											
46+00				2											
47+00				2											
47+00				2											
49+50															
49+50															
51+35															
51+35															
53+00															
53+00															
55+00				2											
55+00				2											
58+50															
58+50															
61+00															
61+00															
64+00				2											
64+00				2											
66+00				2											
66+00				2											
67+00				2											
67+00				2											
68+50				2											
68+50				2											
69+75				2											
69+75				2											
70+60				2											
70+60				2											
71+35															
71+35															
72+90															
72+90															
74+17				2											
SHEET SUBTOTAL			**100**												

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER DATE

DESIGNED: ATW | DRAWN: DJZ
CHECKED: BJP | CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
–	166 of 174
CONTRACT	PROJECT
IR-30143	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

UNDERDRAIN TABLE

UNDERDRAIN PIPE									
UNDERDRAIN PIPE LIMITS	TYPE 4 PIPE		AGGREGATE FOR UNDERDRAINS	GEOTEXTILES FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOWLINE ELEVATION @ UNDERDRAIN PIPE LIMIT	CONNECT TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION
	4 INCH	6 INCH							
	LFT	LFT	CYS	SYS	TONS	%			
Line "C–PR" – Right									
74+17		21	1.4	12.1			723.17	126	721.54
74+38		22	1.4	12.6		+0.20%	723.25		
74+60		14	0.9	8.0			723.27		
74+74		13	0.8	7.5		+0.20%	723.33		
74+87							723.36		
74+87		13	0.6	6.0		–0.20%	723.86		
75+00		85.81	3.7	39.7			722.83		
75+86							722.19		
Line "PR–A" – Left									
53+18.28		101.16	4.4	46.8			530.55		
54+19.44							526.59		
Line "PR–A" – Right									
49+95.98		423.46	18.3	196.0			534.43		
54+19.44							526.59		
SHEET SUBTOTAL		693.43	31.5	328.7					
TOTAL		13853.24	881.3	7867.3					

OUTLET PIPE							
OUTLET STATION	OUTLET ELEVATION	6 INCH OUTLET PIPE	45 DEGREE ELBOWS REQUIRED	DITCH FLOW LINE ELEVATION @ OUTLET	CONNECT OUTLET PIPE TO STR. NO.	STRUCTURE BACKFILL	HMA FOR UNDERDRAINS
		LFT	EACH			CYS	TONS
75+86	722.76	22	2	721.73			
54+19.44	526.57	5	2	524.74			
54+19.44	526.57	5	2	524.20			
		44					
		521					

OUTLET PROTECTOR						
OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE	LOCATION				REMARKS
		OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	
2	3				X	
3	3	X				
4	3				X	
	Type 3 – 4ea					

1' deep Underdrain Trench

1' deep Underdrain Trench

1' deep Underdrain Trench

NOTE: 2' of additional outlet pipe added for each 45 degree elbow.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: ATW DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0710784
SURVEY BOOK	SHEETS
–	167 of 174
CONTRACT	PROJECT
IR-30143	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Underdrain.dwg Plot Date: 12/16/2013 Plotted By: Zola, David

GUARDRAIL SUMMARY TABLE

LOCATION						W-BEAM GUARDRAIL LENGTH															CURVED W-BEAM GUARDRAIL SYSTEM						REMARKS
FROM STATION	TO STATION	LEFT	MEDIAN LEFT	MEDIAN RIGHT	RIGHT	W-BEAM GUARDRAIL AT 6'-3" SPA.	STANDARD POST AT 4.0 ft. SPA.	STANDARD POST AT 2.0 ft. SPA.	STANDARD POST AT 1.0 ft. SPA.	LONG POST AT 4.0 ft. SPA.	LONG POST AT 2.0 ft. SPA.	LONG POST AT 1.0 ft. SPA.	SHOP CURVED AT m SPA.	CONC. BRIDGE RAIL TRANSITION TYPE TPF-2	CONC. BRIDGE RAIL TRANSITION TYPE TBT	GUARDRAIL TRANSITION TYPE TGB	GUARDRAIL TRANSITION TYPE GP	GUARDRAIL END TREATMENT MS	GUARDRAIL END TREATMENT OS	TYPE I GRET	IMPACT ATTENUATOR R1, W1, 70 mph	TERMINAL SYSTEM		CONNECTOR SYSTEM		GUARDRAIL REMOVE	BRIDGE RAILING REMOVE	
						ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE	EACH	TYPE	EACH	ft.	ft.	
LINE "C-PR"																											
17+79.28	19+98.03				X	218.75													1	1							
19+28.06	22+15.56	X				287.50																4	1	2	1		
23+52.17	25+52.17				X	200.00														2							
30+50.00	32+43.75				X	193.50														2							
35+84.66	36+65.91				X	81.50														2							
38+73.57	42+23.57				X	350.00														2							
43+31.30	48+81.30				X	50.00														2							
46+92.14	49+54.64				X	262.50														2							
55+05.83	55+99.58				X	93.75														2							
56+94.55	59+32.05				X	237.50														2							
20+36.66	22+15.70	X																								179.0		
22+82.85	25+37.80	X																								255.0		
26+74.02	31+14.60	X																								440.6		
30+40.87	32+72.33				X																					231.5		
35+52.23	36+99.27				X																					147.0		
39+41.40	42+36.92				X																					295.5		
43+19.60	43+93.16				X																					73.6		
46+97.90	49+30.51				X																					232.6		
55+03.58	56+23.88				X																					120.3		
57+38.11	59+45.56				X																					207.5		
LINE "PR-A"																											
53+53.90	54+19.44	X												1					1								
53+97.60	54+03.85				X	6.25								1					1								
55+03.58	56+23.88				X																					114.9	
57+38.11	59+45.56	X																								115.7	
TOTALS						1981.25								2					3	17		4	1	2	1	2182.6	230.6	

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DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

GUARDRAIL SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	168 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CSD\10-401\Road\Dwg\Plans\GR Summary.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE (in.)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL TYPE	STRUCTURE BACKFILL	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT	CROSS							UP STREAM	DOWN STREAM																		
	Line "C-PR"							LFT		LFT	ELEV.	ELEV.	YR.				CYS	TON	TON	TON	SYS	LFT	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
9	10+20.00	X			36		Existing Inlet and CMP																							Adjust Casting to Grade, Existing 36" CMP to Remain in Place
10	10+45.00	X			12	2	Inlet B-15	21.8		0.5	529.24	528.78	75	N.A.	6.5	1	3.2												11	
11	10+68.00	X			12	2	Inlet C-15	28.1		0.7	528.68	528.11	75	N.A.	6.5	1	4.8												12	
12	10+98.59	X			12	2	Inlet C-15	28.9		1.1	528.01	527.69	75	N.A.	6.5	1	6.2												13	
13	11+30.00	X			12	2	Inlet C-15	45.3		1.9	527.59	526.46	75	N.A.	6.5		14.2												14	
14	11+30.00		X		24	2	MH C-4	25.2		1.6	526.36	526.25	75	N.A.	6.5	1	11.7	8.0			11.0		1							Outfall
15	11+80.00		X		18	2	MH K-15, Mod.	48.9		1.3	526.71	526.46	75	N.A.	6.5	1	15.6												14	
16	11+80.00	X			12	2	Inlet C-15	30.8		1.8	527.73	526.81	75	N.A.	6.5	1	9.3												15	
17	12+50.00	X			12	2	Inlet B-15	67.5		1.3	529.20	527.83	75	N.A.	6.5	1	16.2												16	
18	13+10.00		X		18	2	MH K-15, Mod.	127.6		2.0	527.14	526.81	75	N.A.	6.5	1	53.7												15	
19	13+65.00		X		15	2	MH K-15, Mod.	51.4		1.9	527.30	527.14	75	N.A.	6.5	1	18.5												18	
20	14+25.00		X		15	2	MH K-15, Mod.	56.2		2.1	527.48	527.30	75	N.A.	6.5	1	21.7												19	
21	14+80.00		X		15	2	MH K-15, Mod.	51.3		2.0	527.64	527.48	75	N.A.	6.5	1	19.1												20	
22	15+65.00		X		15	2	MH K-15, Mod.	80.7		1.9	527.90	527.64	75	N.A.	6.5	1	29.0												21	
23	16+40.00		X		15	2	MH K-15, Mod.	70.9		1.9	528.12	527.90	75	N.A.	6.5	1	25.5												22	
24	17+30.00		X		15	2	MH K-15, Mod.	85.5		1.9	528.40	528.12	75	N.A.	6.5	1	30.7												23	
25	17+90.00		X		15	2	Inlet C-15	56.3		2.2	529.77	528.50	75	N.A.	6.5	1	22.5												24	
26	18+65.00		X		12	2	Inlet C-15	70.9		1.4	530.70	529.87	75	N.A.	6.5	1	17.9												25	
27	18+65.00	X			12	2	Inlet B-15	23.4		1.0	532.23	530.80	75	N.A.	6.5		4.8												26	
28	20+15.00		X		30	2	MH H-4	28.7		1.0	530.25	530.00	75	N.A.	6.5		14.0						1							Outfall
29	20+15.00		X		12	2	Inlet C-15	6.5		4.0	533.72	532.25	75	N.A.	6.5	1	3.8												28	
30	20+35.00	X			12	2	Inlet C-15	28.8		2.1	534.20	533.82	75	N.A.	6.5	1	9.7												29	
31	22+00.00	X			12	2	Inlet B-15	162.6		1.8	534.61	534.30	75	N.A.	6.5	1	48.9												30	
32	22+00.00		X		30	2	MH H-4	180.4		2.5	537.23	530.35	75	N.A.	6.5	1	143.6												28	
33	24+15.00		X		30	2	MH H-4	211.6		7.9	546.56	538.23	75	N.A.	6.5	1	426.4												32	
34	24+15.00		X		12	2	Inlet B-15	1.4		1.4	552.45	551.66	75	N.A.	6.5	1	0.4												33	
35	24+50.00	X			12	2	Inlet B-15	17.6		2.5	555.14	554.34	75	N.A.	6.5	1	6.8	2.5			5.0		1							Outfall
36	27+25.00	X			12	2	Inlet B-15	17.6		1.0	574.49	574.39	75	N.A.	6.5		3.6	2.5			5.0		1							Outfall
37	27+70.00		X		30	2	MH H-4	352.1		1.9	574.59	548.56	75	N.A.	6.5	1	236.3												33	
38	29+00.00	X			12	2	Inlet B-15	20.9		1.8	586.76	581.13	75	N.A.	6.5	1	6.3	2.5			5.0		1							Outfall
39	29+40.00		X		30	2	MH K-15, Mod.	166.8		2.5	586.35	575.59	75	N.A.	6.5	1	132.8												37	
40	29+65.00		X		12	2	Inlet B-15	67.5		1.7	593.82	585.24	75	N.A.	6.5	1	19.4	2.5			5.0		1							Outfall

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DESIGNED: WDN | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

STRUCTURE DATA TABLE
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	169 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C3D\10-401\Road\Dwg\Plans\Structure Data.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE (in.)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL TYPE	STRUCTURE BACKFILL	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT	CROSS							UP STREAM	DOWN STREAM																		
	Line "C-PR" (Cont'd)							LFT		LFT	ELEV.	ELEV.	YR.				CYS	TON	TON	TON	SYS	LFT	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
41	30+20.00		X		30	2	MH K-15, Mod.	78.2		2.2	592.22	587.35	75	N.A.	6.5	1	57.3													39	
42	30+60.00	X			12	2	Inlet B-15	27.7		2.8	598.44	596.96	75	N.A.	6.5	1	11.8	2.5			5.0		1							Outfall
43	32+65.00		X		30	2	MH K-15, Mod.	243.2		2.5	609.22	593.22	75	N.A.	6.5	1	193.6													41	
44	34+75.00		X		30	2	MH K-15, Mod.	208.2		1.4	624.76	611.22	75	N.A.	6.5	1	118.5													43	
45	34+75.00	X			24	2	MH K-15, Mod.	23.4		0.6	625.76	624.86	75	N.A.	6.5	1	6.9													44	
46	36+50.00		X		24	2	MH K-15, Mod.	172.8		1.5	636.53	625.76	75	N.A.	6.5	1	77.1													44	
47	37+75.00	X			24	2	MH C-4	297.8		1.3	647.96	626.76	75	N.A.	6.5	1	122.7													45	
48	37+75.00	X			12	2	Inlet B-15	1.5		1.3	651.21	649.96	75	N.A.	6.5	1	0.4													47	
49	38+50.00	X			24	2	MH C-4	71.1		0.6	653.98	648.96	75	N.A.	6.5	1	21.0													47	
50	38+50.00	X			12	2	Inlet B-15	1.4		2.0	656.86	655.98	75	N.A.	6.5	1	0.5													49	
51	39+00.00		X		24	2	MH C-4	248.3		1.6	656.82	638.53	75	N.A.	6.5	1	115.0													46	
52	39+00.00		X		12	2	Inlet B-15	1.8		1.5	660.55	658.82	75	N.A.	6.5	1	0.5													51	
53	39+50.00	X			18	2	MH C-4	95.8		2.0	660.87	654.98	75	N.A.	6.5	1	40.3													49	
54	39+50.00	X			12	2	Inlet B-15	1.5		1.6	664.13	662.87	75	N.A.	6.5	1	0.4													53	
55	40+50.00	X			18	2	MH C-4	95.7		1.5	666.97	661.87	75	N.A.	6.5	1	33.3													53	
56	40+50.00	X			12	2	Inlet B-15	2.1		2.0	671.22	668.97	75	N.A.	6.5	1	0.7													55	
57	41+00.00		X		24	2	MH K-15, Mod.	198.3		1.6	670.46	657.82	75	N.A.	6.5	1	91.8													51	
58	41+50.00	X			18	2	MH C-4	95.7		2.5	674.32	668.97	75	N.A.	6.5	1	47.4													55	
59	41+50.00	X			12	2	Inlet B-15	1.7		3.0	678.04	676.32	75	N.A.	6.5	1	0.8													58	
60	42+45.00		X		24	2	MH K-15, Mod.	143.3		2.8	680.87	672.46	75	N.A.	6.5	1	96.2													57	
61	42+50.00	X			18	2	MH C-4	96.0		3.3	681.74	676.32	75	N.A.	6.5	1	59.3													58	
62	42+50.00	X			12	2	Inlet B-15	1.3		2.1	684.44	683.74	75	N.A.	6.5	1	0.4													61	
63	43+80.00	X			18	2	MH K-15, Mod.	127.0		2.6	686.96	682.74	75	N.A.	6.5	1	64.8													61	
64	45+00.00		X		24	2	MH K-15, Mod.	251.9		2.4	688.84	682.87	75	N.A.	6.5	1	151.4													60	
65	45+65.00	X			18	2	MH K-15, Mod.	183.7		1.9	689.32	687.06	75	N.A.	6.5	1	74.6													63	
66	46+00.00		X		24	2	MH K-15, Mod.	96.6		3.2	690.80	688.94	75	N.A.	6.5	1	71.7													64	
67	46+50.00	X			18	2	MH K-15, Mod.	83.3		2.5	691.27	689.42	75	N.A.	6.5	1	41.2													65	
68	47+00.00		X		24	2	MH K-15, Mod.	96.6		3.2	692.00	690.90	75	N.A.	6.5	1	71.7													66	
69	47+75.00	X			18	2	MH K-15, Mod.	123.7		0.3	694.05	691.37	75	N.A.	6.5	1	22.3													67	
70	48+50.00	X			15	2	MH K-15, Mod.	72.6		2.7	697.20	695.05	75	N.A.	6.5	1	34.0													69	
71	49+50.00		X		24	2	MH K-15, Mod.	246.9		1.4	700.14	693.00	75	N.A.	6.5	1	105.9													68	
72	50+40.00	X			15	2	MH K-15, Mod.	187.5		3.1	701.14	698.20	75	N.A.	6.5	1	98.4													70	

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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

STRUCTURE DATA TABLE
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	170 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-4011 Road\Dwg\Plans\Structure Data.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE (in.)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL TYPE	STRUCTURE BACKFILL	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT	CROSS							UP STREAM	DOWN STREAM																		
	Line "C-PR" (Cont'd)							LFT		LFT	ELEV.	ELEV.	YR.				CYS	TON	TON	TON	SYS	LFT	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
73	51+35.00		X		24	2	MH K-15, Mod.	182.5		2.7	702.20	700.24	75	N.A.	6.5	1	119.4													71	
74	52+00.00	X			15	2	MH K-15, Mod.	157.5		3.2	702.92	701.24	75	N.A.	6.5	1	84.9													72	
75	63+91.46	X			Existing RCP	2	Inlet E-7				711.80																				Tie-In to Existing Pipe
76	52+90.00	X			15	2	MH K-15, Mod.	87.2		3.4	704.42	703.02	75	N.A.	6.5	1	49.5													74	
77	53+00.00		X		24	2	MH C-4	162.4		0.9	704.87	702.30	75	N.A.	6.5	1	56.2													73	
78	53+00.00		X		12	2	Inlet B-15	1.4		3.3	707.28	706.87	75	N.A.	6.5	1	0.7													77	
79	54+50.00	X			15	2	MH K-15, Mod.	156.4		0.2	706.19	704.52	75	N.A.	6.5	1	21.7													76	
80	55+00.00		X		24	2	MH C-4	197.9		3.3	707.11	704.97	75	N.A.	6.5	1	150.6													77	
81	55+00.00		X		24	2	MH K-15, Mod.	47.7		2.4	707.80	707.21	75	N.A.	6.5	1	28.7													80	
82	56+25.00	X			15	2	MH K-15, Mod.	171.8		1.0	707.64	706.29	75	N.A.	6.5	1	41.2													79	
83	56+25.00	X			12	2	Inlet E-7	21.1		3.4	709.04	708.64	75	N.A.	6.5	1	10.7													82	
84	57+15.00	X			12	2	MH K-15, Mod.	87.5		0.7	708.64	707.74	75	N.A.	6.5	1	14.9													82	
85	57+00.00	X			12	2	Inlet E-7	21.4		2.5	711.42	709.64	75	N.A.	6.5	1	8.3													84	
86	58+50.00		X		24	2	MH C-4	296.8		3.3	709.37	707.90	75	N.A.	6.5	1	225.9													81	
87	58+50.00		X		12	2	Inlet B-15	1.7		1.1	713.25	711.37	75	N.A.	6.5	1	0.4													86	
88	59+00.00	X			12	2	MH K-15, Mod.	182.3		1.0	710.43	708.74	75	N.A.	6.5	1	37.4													84	
89	60+00.00	X			12	2	MH K-15, Mod.	95.9		1.7	711.27	710.53	75	N.A.	6.5	1	27.6													88	
90	59+00.00	X			12	2	Inlet E-7	17.1		1.0	713.19	711.93	75	N.A.	6.5	1	3.5													88	
91	60+50.00		X		24	2	MH C-4	199.2		1.0	710.74	709.47	75	N.A.	6.5	1	72.1													86	
92	61+00.00	X			12	2	Inlet C-15	96.0		2.5	712.12	711.37	75	N.A.	6.5	1	37.2													89	
93	61+00.00	X			12	2	Inlet E-7	20.8		1.0	712.93	712.62	75	N.A.	6.5	1	4.3													92	
94	61+00.00		X		24	2	MH C-4	47.1		2.0	711.46	710.84	75	N.A.	6.5	1	25.0													91	
95	61+00.00		X		12	2	Inlet B-15	1.4		2.0	715.37	714.96	75	N.A.	6.5	1	0.5													94	
96	62+50.00		X		24	2	MH C-4	149.0		2.4	712.43	711.56	75	N.A.	6.5	1	89.5													94	
97	62+50.00	X			12	2	Inlet B-15	23.4		1.5	716.61	716.08	75	N.A.	6.5	1	6.2	2.5			5.0		1							Outfall
98	62+50.00		X		24	2	Inlet E-7	7.4		2.1	712.57	712.53	75	N.A.	6.5	1	4.1													96	
99	64+00.00		X		24	2	MH K-15, Mod.	150.5		2.5	714.26	712.67	75	N.A.	6.5	1	93.0													98	
100	64+00.00	X			15	2	MH K-15, Mod.	23.3		1.5	714.76	714.36	75	N.A.	6.5	1	7.1													99	
101	64+70.00	X			15	2	MH K-15, Mod.	67.6		2.7	715.13	714.86	75	N.A.	6.5	1	31.7													100	
102	65+40.00	X			15	2	MH K-15, Mod.	67.9		1.1	715.44	715.23	75	N.A.	6.5	1	17.2													101	
103	66+00.00		X		18	2	MH K-15, Mod.	197.5		2.2	715.77	714.36	75	N.A.	6.5	1	89.1													99	
104	66+20.00	X			12	2	MH C-4	77.0		2.3	716.22	715.54	75	N.A.	6.5	1	28.0													102	

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DESIGNED: WDN | DRAWN: DJZ

CHECKED: BJP | CHECKED: BJP

CITY OF WEST LAFAYETTE

STRUCTURE DATA TABLE
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	171 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-401\Road\Dwg\Plans\Structure Data.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE (in.)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL TYPE	STRUCTURE BACKFILL	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT	CROSS							UP STREAM	DOWN STREAM																		
	Line "C-PR" (Cont'd)							LFT		LFT	ELEV.	ELEV.	YR.				CYS	TON	TON	TON	SYS	LFT	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
105	66+20.00	X			12	2	Inlet B-15	2.6		1.3	718.38	717.22	75	N.A.	6.5	1	0.6													104	
106	67+00.00	X			12	2	MH C-4	76.0		2.1	716.62	716.32	75	N.A.	6.5	1	25.7													104	
107	67+00.00	X			12	2	Inlet B-15	2.6		1.9	718.78	717.62	75	N.A.	6.5	1	0.8													106	
108	67+00.00		X		18	2	MH K-15, Mod.	97.5		2.8	716.27	715.87	75	N.A.	6.5	1	52.7													103	
109	67+80.00	X			12	2	MH C-4	76.0		1.6	717.02	716.72	75	N.A.	6.5	1	21.0													106	
110	67+80.00	X			12	2	Inlet B-15	2.6		0.8	719.18	718.02	75	N.A.	6.5	1	0.5													109	
111	68+50.00		X		18	2	MH K-15, Mod.	147.5		2.5	717.02	716.37	75	N.A.	6.5	1	73.0													108	
112	68+60.00	X			12	2	Inlet C-15	77.0		2.4	718.33	717.12	75	N.A.	6.5	1	28.9													109	
113	69+35.00	X			12	2	Inlet B-15	45.2		2.2	719.60	719.24	75	N.A.	6.5	1	15.8														Tie-In to Existing Structure
114	69+75.00	X			12	2	Inlet C-15	112.5		1.5	718.90	718.43	75	N.A.	6.5	1	29.7													112	
115	69+75.00		X		18	2	MH K-15, Mod.	122.5		2.8	717.64	717.12	75	N.A.	6.5	1	66.3													111	
116	70+50.00	X			12	2	Inlet B-15	72.5		1.6	720.54	719.00	75	N.A.	6.5	1	20.0													114	
117	70+60.00		X		18	2	MH K-15, Mod.	82.5		2.7	718.07	717.74	75	N.A.	6.5	1	43.4													115	
118	71+35.00		X		18	2	MH C-4	72.3		1.2	719.10	718.17	75	N.A.	6.5	1	22.1													117	
119	71+35.00		X		12	2	Inlet C-15	5.5		2.9	719.94	719.60	75	N.A.	6.5	1	2.4													118	
120	71+35.00	X			12	2	Inlet C-15	26.4		1.2	720.59	720.04	75	N.A.	6.5	1	6.0													119	
121	72+00.00		X		15	2	MH K-15, Mod.	61.4		2.8	719.42	719.20	75	N.A.	6.5	1	29.7													118	
122	72+50.00	X			12	2	Inlet B-15	112.6		2.5	721.77	720.69	75	N.A.	6.5	1	43.7													120	
123	75+08.00		X		12	2	MH C-4	86.4		0.3	719.89	719.52	75	N.A.	6.5	1	10.7													121	
124	72+90.00		X		12	2	Inlet B-15	6.2		1.0	721.97	720.89	75	N.A.	6.5	1	1.3													123	
125	73+90.00		X		12	2	MH C-4	97.1		2.0	721.01	719.99	75	N.A.	6.5	1	31.6													123	
126	74+17.00		X		12	2	Inlet C-15	25.8		1.0	721.54	721.11	75	N.A.	6.5	1	5.3													125	
127	74+16.08		X		12	2	Existing Pipe	11.9		1.1	722.94	721.64	75	N.A.	6.5	1	2.6													126	Tie-In to Upstream Existing Pipe
128	20+09.22			X	16' x 6'		Box Culvert	72.0		4.3	525.80	524.19	75	N.A.	6.5	1	465.5		270.0		323.2										
129	32+93.58		X		15	3	Drive Culvert	51.7		1.0	616.77	615.30	75	N.A.	6.5	2	5.9														
130	63+32.24		X		15	3	Drive Culvert	35.5		1.1	716.57	716.27	75	N.A.	6.5	2	4.0														
131	65+66.98		X		15	3	Drive Culvert	25.0		1.0	718.00	717.30	75	N.A.	6.5	2	2.9														
132	66+35.00		X		15	3	Drive Culvert	30.0		1.8	718.30	718.20	75	N.A.	6.5	2	3.4														
133	68+02.50		X		15	3	Drive Culvert	25.0		0.7	719.80	719.50	75	N.A.	6.5	2	2.9														
134	68+87.50	X					Existing Inlet																								Adjust Casting to Grade
	Line "PR-A"																														
135	52+87.50		X		15	3	Drive Culvert	25.1		0.9	528.47	527.84	75	N.A.	6.5	2	2.9														

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DESIGN ENGINEER DATE

DESIGNED: WDN DRAWN: DJZ
CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

STRUCTURE DATA TABLE
LINE "C-PR"

HORIZONTAL SCALE	BRIDGE FILE
n/a	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	172 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\C30\10-4011\Road\Dwg\Plans\Structure Data.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

			STRUCTURE NUMBER															
			10, 11, 27, 36, 84, 88, 90, 93, 110, 123, 124, 125	12, 87, 127	120	17, 48, 105	26,34	52, 97, 114	54, 109, 116	40, 89	16, 31, 38	13, 107	50, 56, 95, 125	30, 62, 106	113	104	112	35, 85, 92, 122	42
PIPE TYPE / SHAPE			2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR
SMOOTH PIPE SIZE			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CORRUGATED PIPE SIZE																			
RCP/ RCHEP (S)	CLASS		IV	III	III	III	II	II	II	II	II	II	II	II	II	II	II	II	II
	D0.01 RATING		1500	1250	1250	1250	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)						OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S) *													OK	OK	OK	OK	OK	OK	OK
RIBBED PE PIPE (S) *																			
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR													OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0
PROFILE WALL PVC PIPE (S)													OK	OK	OK	OK	OK	OK	OK
SMOOTH WALL PVC PIPE (S) *													OK	OK	OK	OK	OK	OK	OK
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)					OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	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 (C)	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 W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																	
		THICKNESS **																	
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS **																	

			STRUCTURE NUMBER																
			119	59	78	83	29	79, 82	102	100	19, 22, 23, 24	21	20	25	70, 101	121	72	74	76
PIPE TYPE / SHAPE			2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR
SMOOTH PIPE SIZE			12	12	12	12	12	15	15	15	15	15	15	15	15	15	15	15	15
CORRUGATED PIPE SIZE																			
RCP/ RCHEP (S)	CLASS		II	II	II	II	II	III	III	II	II	II	II	II	II	II	II	II	II
	D0.01 RATING		1000	1000	1000	1000	1000	1250	1250	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			OK	OK	OK	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S) *			OK	OK	OK	OK	OK					OK	OK	OK	OK	OK	OK	OK	OK
RIBBED PE PIPE (S) *																			
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR			OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0					OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0
PROFILE WALL PVC PIPE (S)			OK	OK	OK	OK	OK					OK	OK	OK	OK	OK	OK	OK	OK
SMOOTH WALL PVC PIPE (S) *			OK	OK	OK	OK	OK					OK	OK	OK	OK	OK	OK	OK	OK
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			OK	OK	OK	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (S)	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 (C)	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 W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																	
		THICKNESS **																	
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS **																	

LEGEND

RCP–	REINFORCED CONCRETE PIPE
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
(RIV)–	RIVETED PIPE REQUIRED
*–	REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER
**–	TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABE THICKNESS.

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DESIGNED: ATW DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

PIPE MATERIAL SELECTION SHEET

HORIZONTAL SCALE	BRIDGE FILE
N/A	–
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
–	173 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDD\10-401\Roads\Dwg\Plates\Pipe Material.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt

			STRUCTURE NUMBER																	
			69	118	15	55	65	18, 53	103	58, 67, 111	63	117	108, 115	61	45, 49, 77, 91	47	71	14, 46, 51, 57	60, 64, 66, 68, 73, 80, 81, 86, 96, 94, 98, 99
PIPE TYPE / SHAPE			2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	2/CIRCULAR	
SMOOTH PIPE SIZE			18	18	18	18	18	18	18	18	18	18	18	18	24	24	24	24	24	
CORRUGATED PIPE SIZE																				
RCP/ RCHEP (S)	CLASS		II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	
	D0.01 RATING		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)						OK	OK	OK	OK	OK	OK	OK	OK	OK					OK	
CORRUGATED PE PIPE, TYPE S (S) *								OK	OK	OK	OK	OK	OK	OK					OK	
RIBBED PE PIPE (S) *								OK	OK	OK	OK	OK	OK	OK					OK	
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR								OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0	OK/26.0					OK/26.0	
PROFILE WALL PVC PIPE (S)								OK	OK	OK	OK	OK	OK	OK					OK	
SMOOTH WALL PVC PIPE (S) *								OK	OK	OK	OK	OK	OK	OK			OK	OK	OK	
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)						OK	OK	OK	OK	OK	OK	OK	OK	OK					OK	
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	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 (C)	CORR. PROFILE																		
		THICKNESS																		
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	POLYMER PRECOATED GALVANIZED	CORR. PROFILE	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"	
	CORRUGATED STEEL PIPE TYPE 1A(S)	THICKNESS	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																		
		THICKNESS																		
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																		
		THICKNESS **																		
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																		
		THICKNESS **																		

			STRUCTURE NUMBER																	
			28, 44	37	32, 33, 39, 41, 43				129, 131, 133, 135		130	132								
PIPE TYPE / SHAPE			2/CIRCULAR	2/CIRCULAR	2/CIRCULAR				3/CIRCULAR		3/CIRCULAR	3/CIRCULAR								
SMOOTH PIPE SIZE			30	30	30				15		15	15								
CORRUGATED PIPE SIZE																				
RCP/ RCHEP (S)	CLASS		II	II	II				II		II	II								
	D0.01 RATING		1000	1000	1000				1250		1000	1000								
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)				OK	OK							OK								
CORRUGATED PE PIPE, TYPE S (S) *					OK															
RIBBED PE PIPE (S) *					OK															
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR					OK/26.0															
PROFILE WALL PVC PIPE (S)					OK															
SMOOTH WALL PVC PIPE (S) *																				
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)				OK	OK							OK								
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. COATED & LINED (S)	CORR. PROFILE	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"															
		THICKNESS	0.138	0.138	0.138															
	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 (C)	CORR. PROFILE																		
		THICKNESS																		
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	POLYMER PRECOATED GALVANIZED	CORR. PROFILE	2-2/3"x1/2"	2-2/3"x1/2"	2-2/3"x1/2"															
	CORRUGATED STEEL PIPE TYPE 1A(S)	THICKNESS	0.109	0.109	0.109															
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																		
		THICKNESS																		
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																		
		THICKNESS																		
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																		
		THICKNESS **																		
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																		
		THICKNESS **																		

LEGEND

RCP-	REINFORCED CONCRETE PIPE
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
(RIV)-	RIVETED PIPE REQUIRED
*-	REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER
**-	TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABE THICKNESS.

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ATW DRAWN: DJZ

CHECKED: BJP CHECKED: BJP

CITY OF WEST LAFAYETTE

PIPE MATERIAL SELECTION SHEET

HORIZONTAL SCALE	BRIDGE FILE
N/A	-
VERTICAL SCALE	DESIGNATION
N/A	0900002
SURVEY BOOK	SHEETS
-	174 of 174
CONTRACT	PROJECT
R-32947	0900002

File Name: P:\CDS\10-401\Roads\Dwg\Plates\Pipe Material.dwg Plot Date: 12/16/2013 Plotted By: Crossland, Matt