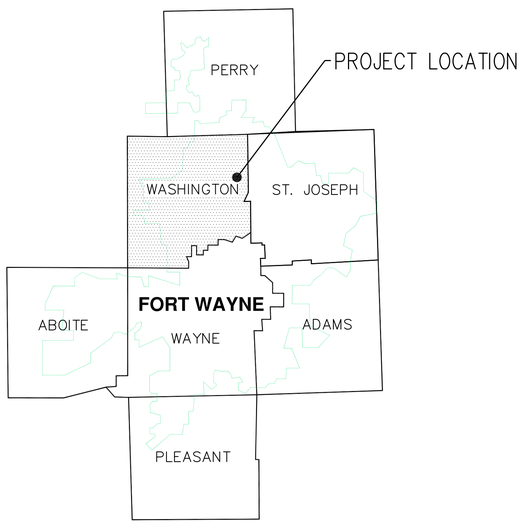
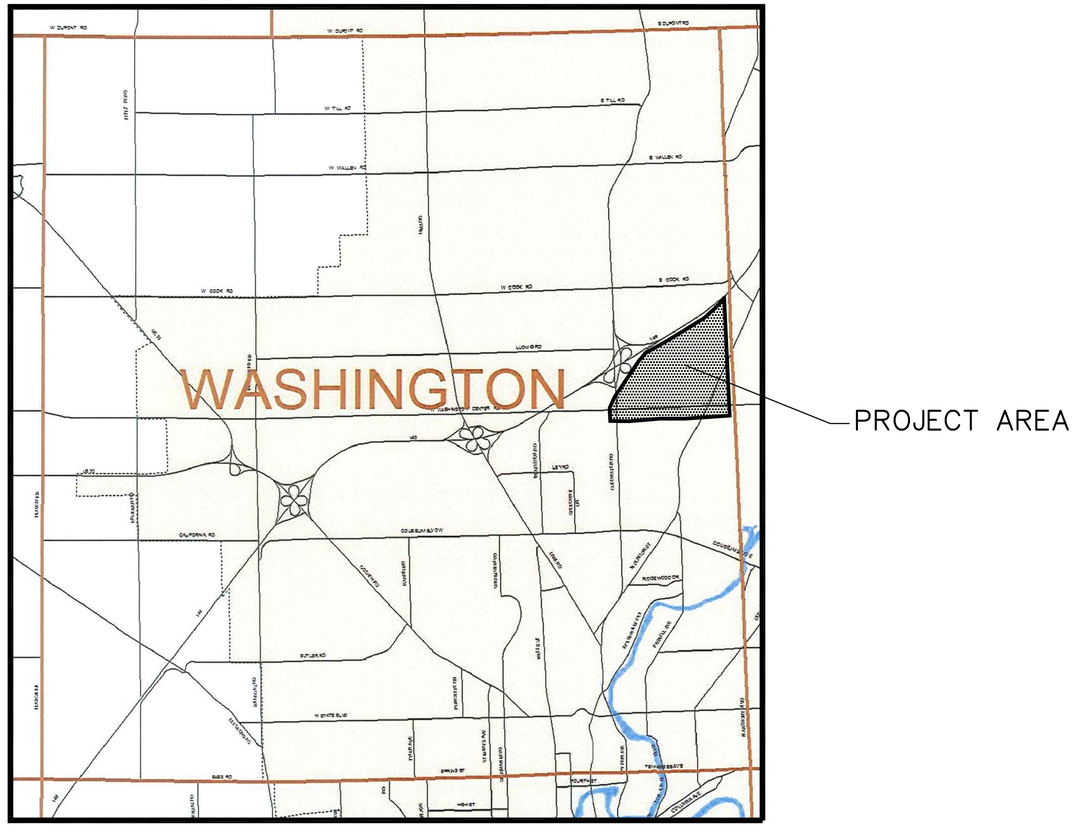
CRESTWOOD COLONY / NORTH SHERWOOD TERRACE AND SILVER MAPLES / SUMMERFIELD

CONCRETE STREET AND SIDEWALK REPAIRS
WASHINGTON TOWNSHIP



CITY OF FORT WAYNE



PROJECT LOCATION

MAYOR

HONORABLE THOMAS C. HENRY

THE BOARD OF PUBLIC WORKS

ROBERT P. KENNEDY
CHAIR

JOHN URBAHNS
MEMBER

KUMAR MENON
MEMBER

COMMON COUNCIL REPRESENTATIVE

TOM DIDIER
DISTRICT 3

PREPARED BY:

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

PHONE: 317-546-1599 ** FAX: 317-546-2599
E-MAIL: CERTIFIED@CERTIFIEDENGINEERING.COM

INDEX OF DRAWINGS	SHEET NO.
TITLE SHEET	1
PROJECT AREA & STREET INDEX	2
VARIOUS STREET DETAILS	3–21
GENERAL DETAILS	22

PLANS CERTIFIED BY:

JASON R. HESLER, P.E., L.S.

This 25th Day Of April 2014

JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

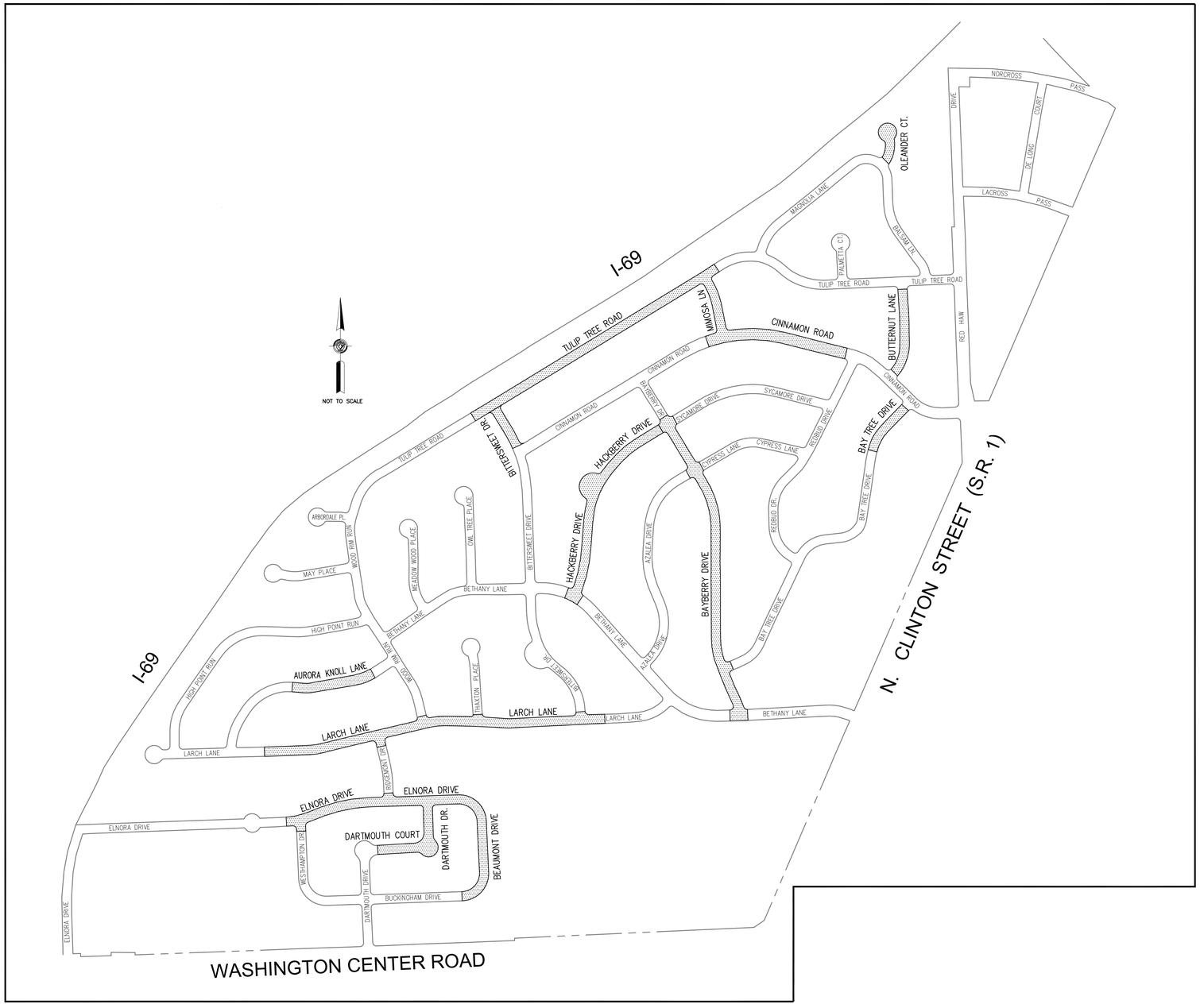
CRESTWOOD COLONY / NORTH SHERWOOD TERRACE AND SILVER MAPLES / SUMMERFIELD
CONCRETE STREET AND SIDEWALK REPAIRS

		RES.	W.O.	S.T.
Designed by:	JRH			
Drawn by:	FG		12383	
Checked by:	JRH			

Sheet 1 of 24

13307\dwg\PLANS\13307_CRESTWOOD_COLONY_TITLE\1:1\04-16-2014

STREET INDEX	SHEET NO.
Elnora Drive/Westhampton Drive to Dartmouth Drive/ Dartmouth Court/Beaumont Drive	3–5
Larch Lane/Aurora Knoll Lane to Bethany Lane	6–8
Aurora Knoll Lane/Larch Lane to Wood Rim Run	9
Bittersweet Drive/Cinnamon Road to Tulip Tree Road	10
Cinnamon Road/Mimosa Lane to Redbud Drive	11
Hackberry Drive/Bethany Lane to Bayberry Drive	12
Tulip Tree Road/Bittersweet Drive to Mimosa Lane	13–14
Bayberry Drive/Bethany Lane to Cinnamon Road	15–17
Bay Tree Drive to Cinnamon Road	18
Mimosa Lane/Cinnamon Road to Tulip Tree Road	19
Butternut Lane/Cinnamon Road to Tulip Tree Road	20
Oleander Court/Magnolia Lane	21



PROJECT AREA – WASHINGTON TOWNSHIP

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

13307\dwg\PLANS\13307_CRESTWOOD_COLONY Proj Area\1:1\04-16-2014

JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

CRESTWOOD COLONY / NORTH SHERWOOD TERRACE AND SILVER MAPLES / SUMMERFIELD
PROJECT AREA
WASHINGTON TOWNSHIP

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG		12383	
Checked by: JRH			

Sheet 2 of 22

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (M4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

- New Construction
- Removal
- Underdrain, 6"
- Fiber Optic

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

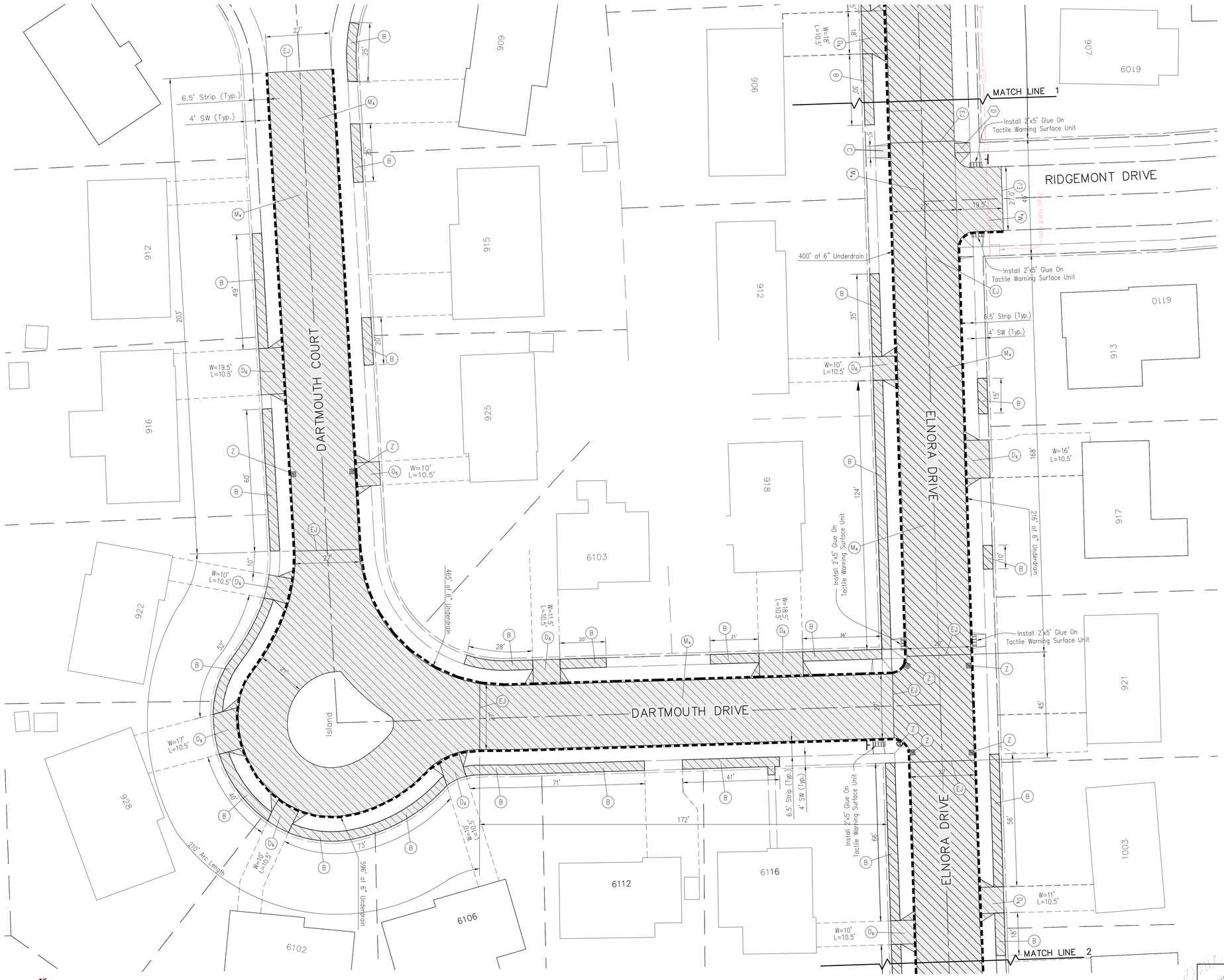
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Elnora Drive / Westhampton Drive to Ridgemont Drive

Designed by:	JRH	RES.	W.O.	S.T.
Drawn by:	FG	12383		
Checked by:	JRH			

Sheet 3 of 22

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Elnora Dr (1).1:1\04\11\2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

- New Construction
- Removal
- Underdrain, 6"
- Fiber Optic

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

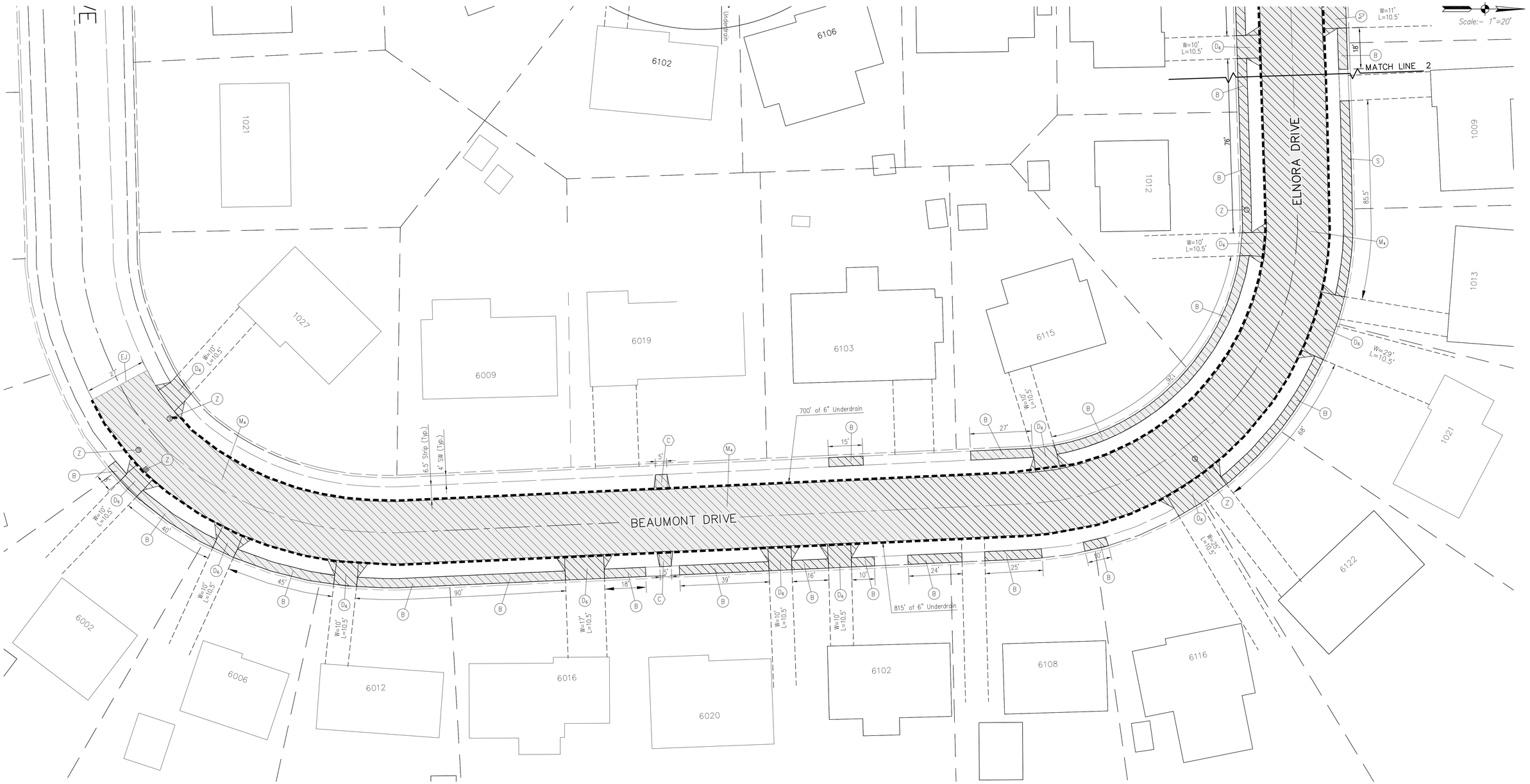
13307\dwg\PLANS\13307 CRESTWOOD_COLONY Elnora Dr (1)\1:1\04\11\2014

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Elnora Drive / Dartmouth Drive to Ridgemont Drive

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG	12383		
Checked by: JRH			

Sheet 4 of 22



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casing to Grade
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

- New Construction
- Removal
- Underdrain, 6"

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

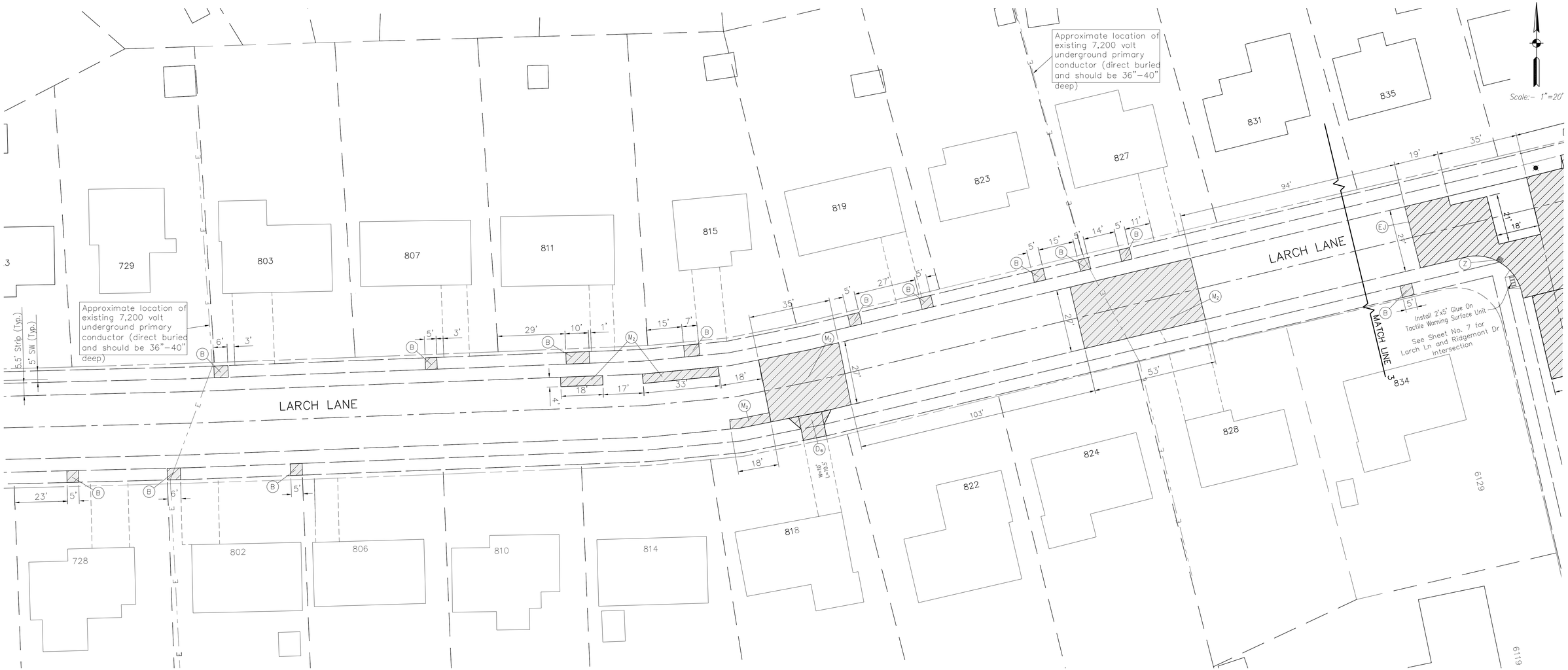
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Elnora Drive / Beaumont Drive

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG		12383	
Checked by: JRH			

Sheet 5 of 22

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Elnora Dr (1)\1:1\04-11-2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

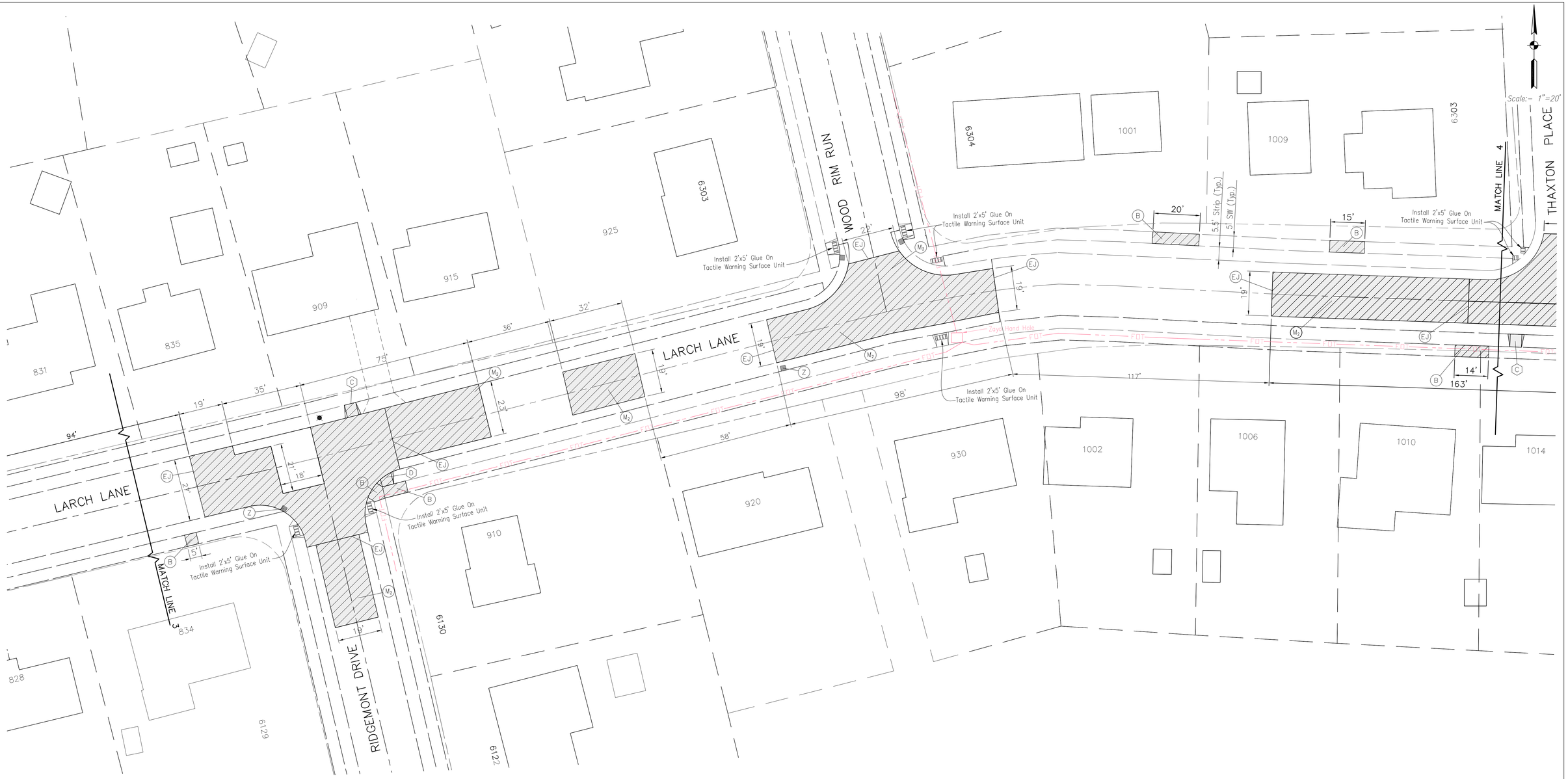
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Larch Lane / Aurora Knoll Lane to Ridgemont Drive

Designed by: JRH	RES.	W.O.	S.T.	Sheet 6 of 22
Drawn by: FG	12383			
Checked by: JRH				

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Elnora Dr (1)\t:1\04-11-2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

Fiber Optic

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

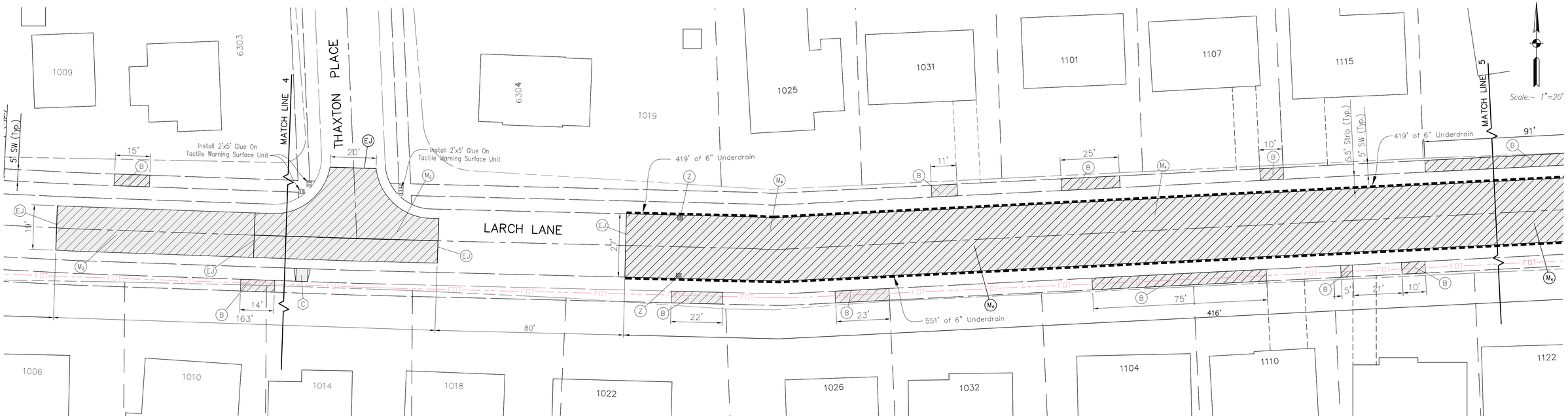
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

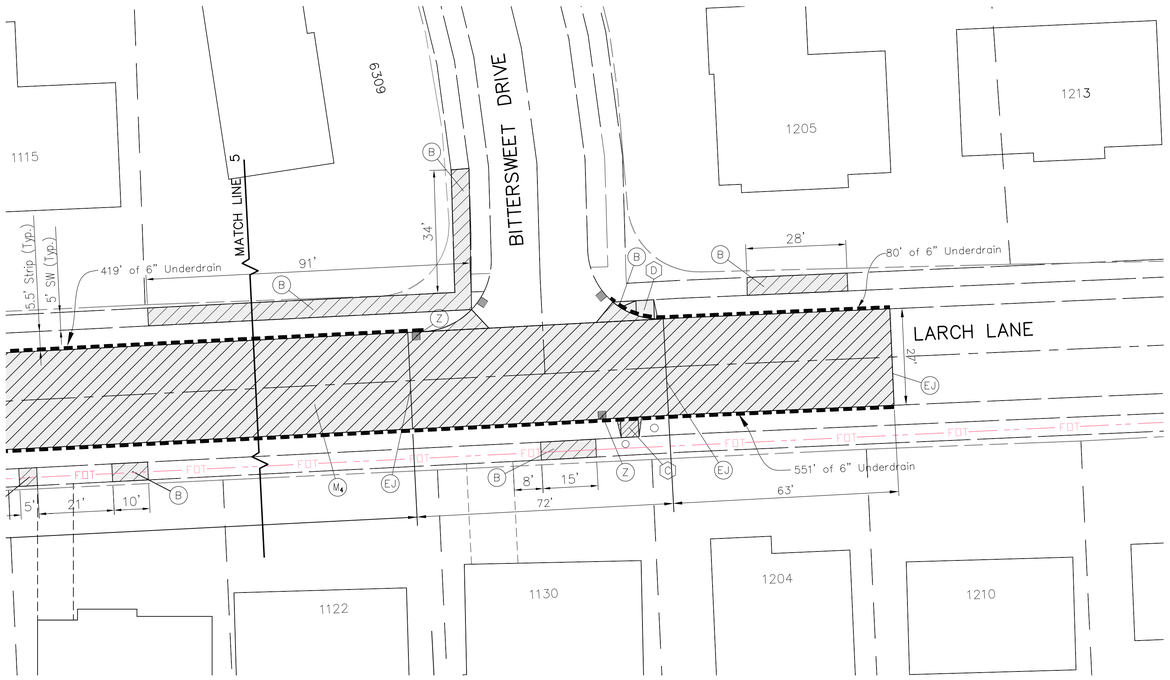
Larch Lane / Ridgemont Drive to Thaxton Place

Designed by:	JRH	RES.	W.O.	S.T.
Drawn by:	FG	12383		
Checked by:	JRH			

Sheet 7 of 22

13307\dwg\PLANS\13307_CRESTWOOD_COLONY_Elnora Dr (1)\1:1\04-11-2014





LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)
- (Z) Adjust Casting to Grade

- New Construction
- Removal
- Underdrain, 6"
- Fiber Optic

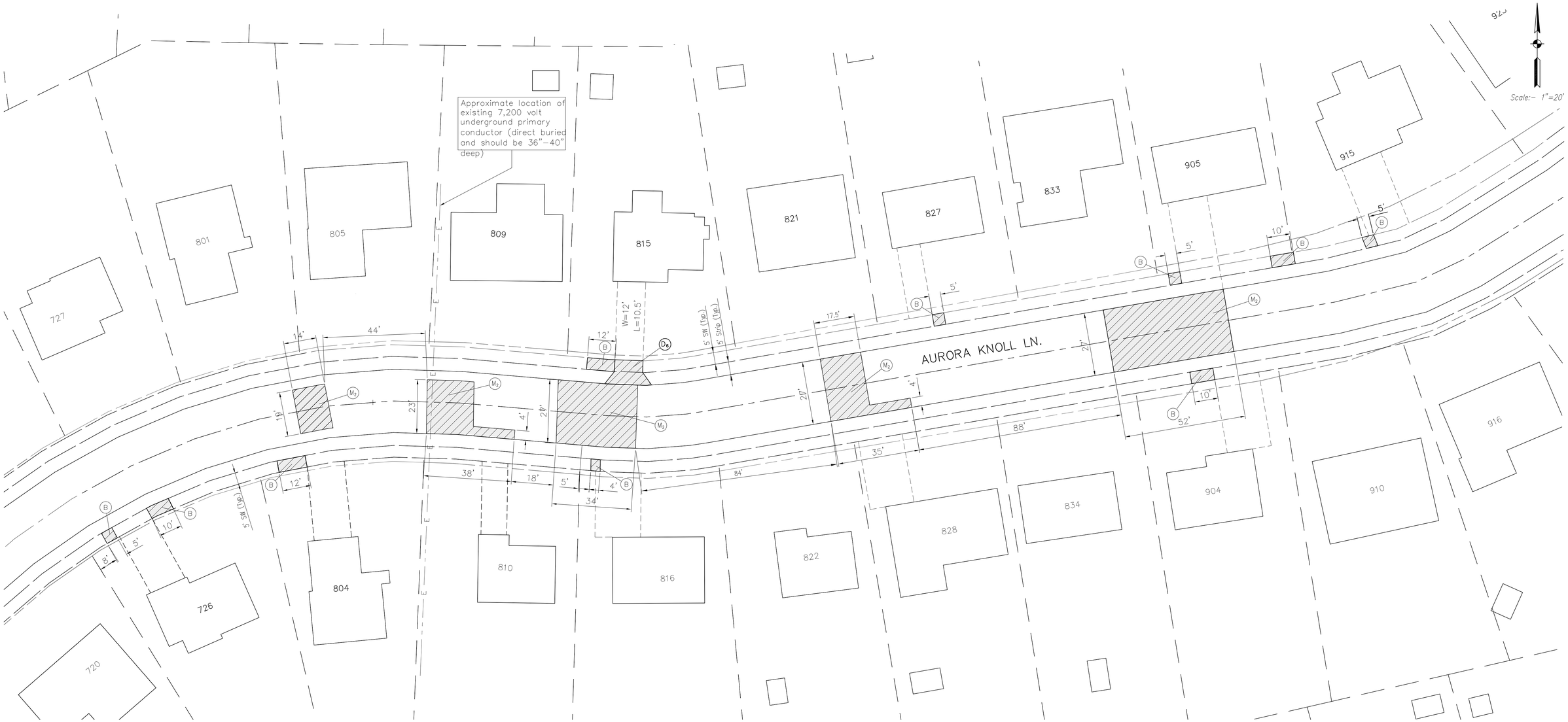
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

13307\dwg\PLANS\13307_CRESTWOOD_COLONY_Elnora Dr (1).1:1\04-11-2014

JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

Larch Lane / Thaxton Place to Bethany Lane

Designed by: JRH	RES.	W.O.	S.T.	Sheet 8 of 22
Drawn by: FG		12383		
Checked by: JRH				



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53

New Construction

Removal

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Aurora Knoll Ln.\1:1\04-11-2014

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Aurora Knoll Lane/Larch Lane to Wood Rim Run

Designed by:	JRH	RES.	W.O.	S.T.
Drawn by:	FG	12383		
Checked by:	JRH			

Sheet 9 of 22

Scale:- 1"=20'

TULIP TREE ROAD

BITTERSWEET DRIVE

CINNAMON ROAD

See Sheet No. 13 for Tulip Tree Road and Bittersweet Drive Intersection

Install 2.45' Glue On Tactile Warning Surface Unit

Approximate location of existing 200 volt underground primary conductor (direct buried and should be 36"-40" deep)

198' of 6" Underdrain

257' of 6" Underdrain

43'

198'

250'

5' SW (Typ.)

15.5' Strip (Typ.)

13.5'

6621 6629 6701 6707 6710 6716 6724 6622 1106 1024 1029 1101 1107 1113 1116 1119 1122 1125

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade

New Construction

Removal

Underdrain, 6"

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

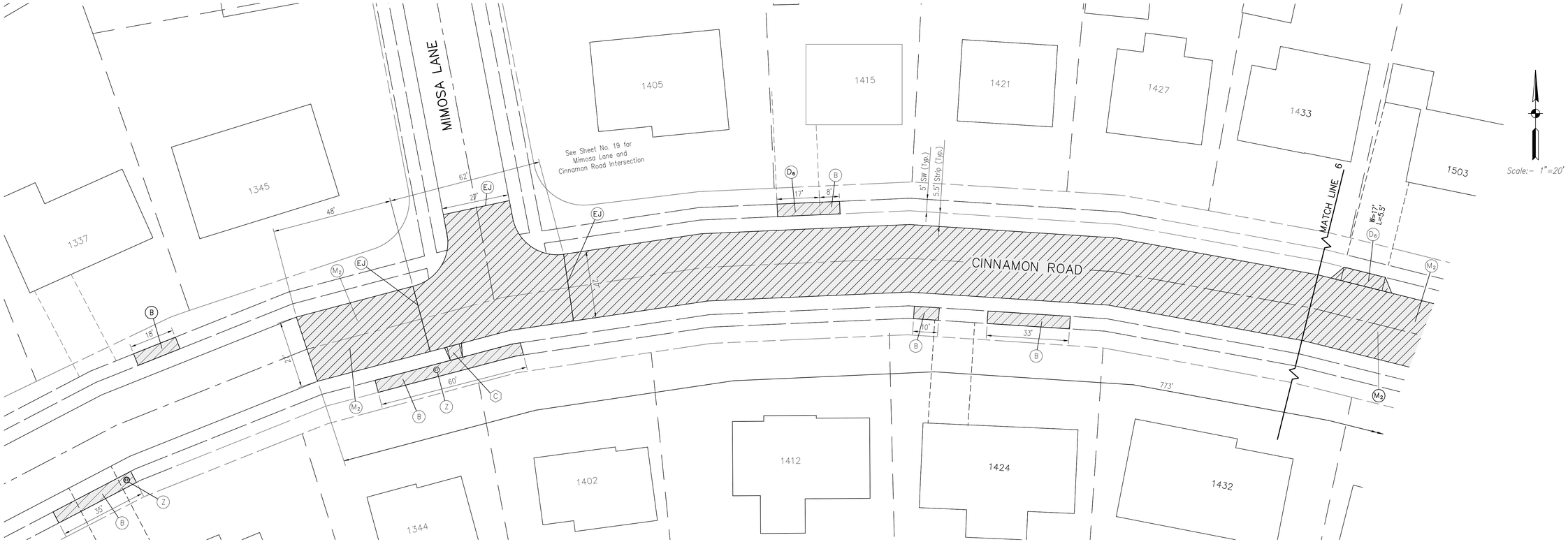
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

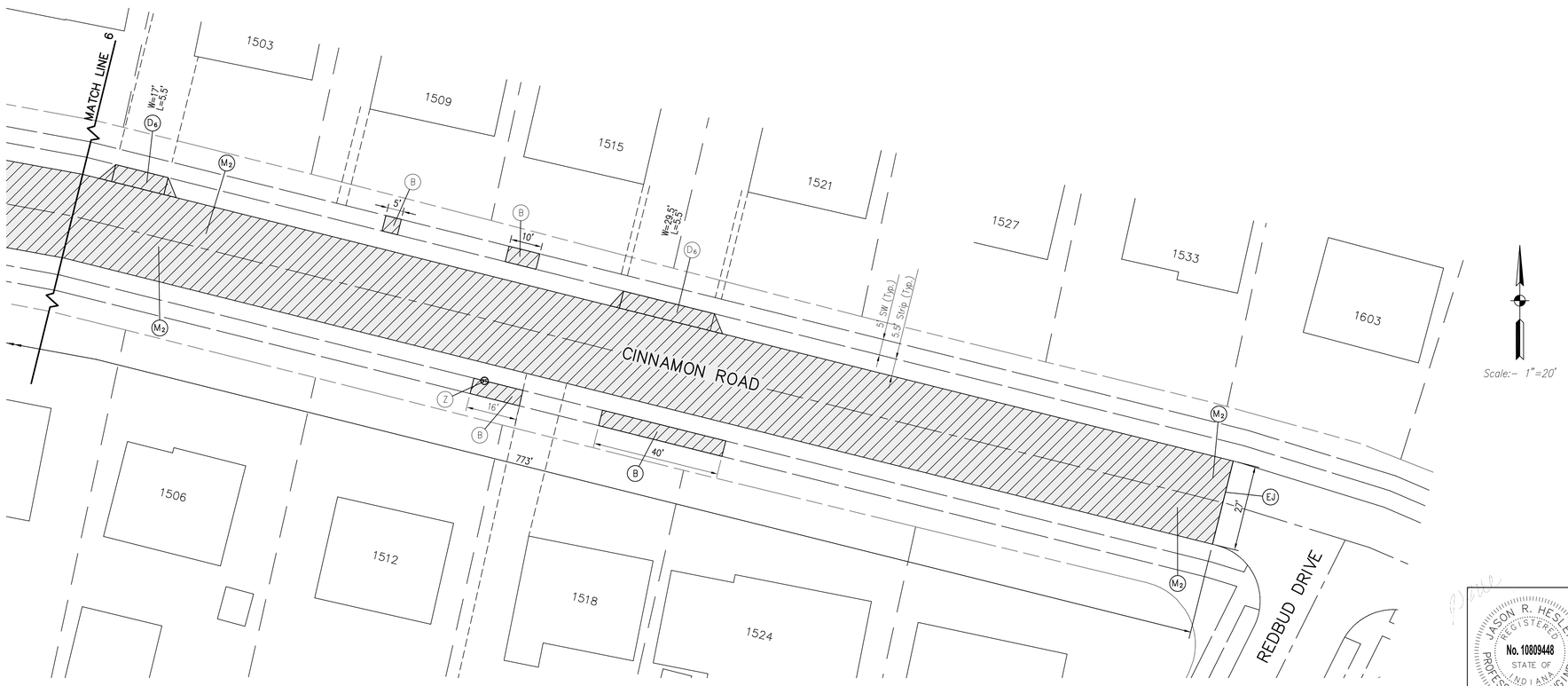
Bittersweet Drive / Cinnamon Road to Tulip Tree Road

Designed by:	JRH	RES.	W.O.	S.T.
Drawn by:	FG	12383		
Checked by:	JRH			

Sheet 10 of 22

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Bittersweet Dr (1)\1:1\04-11-2014





LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

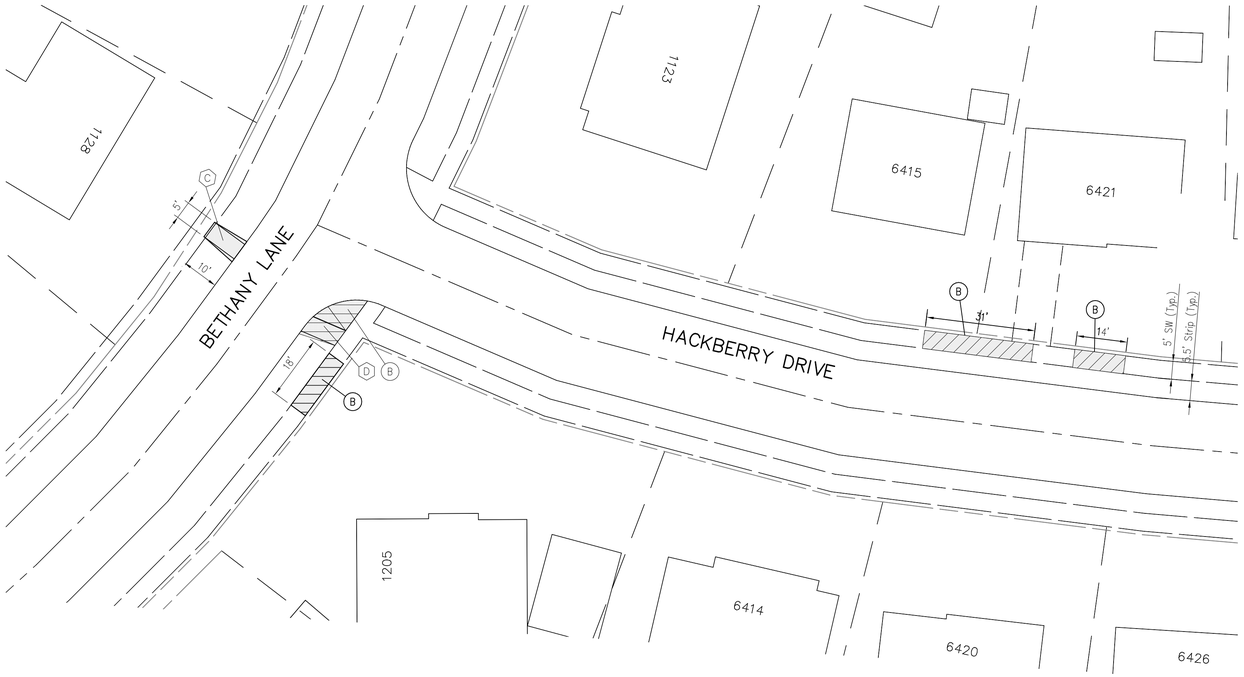
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Cinnamon Rd (1)\1:1\04-11-2014

JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

Cinnamon Road / Mimosa Lane to Redbud Drive

Designed by: JRH	RES.	W.O.	S.T.	Sheet 11 of 22
Drawn by: FG	12383			
Checked by: JRH				



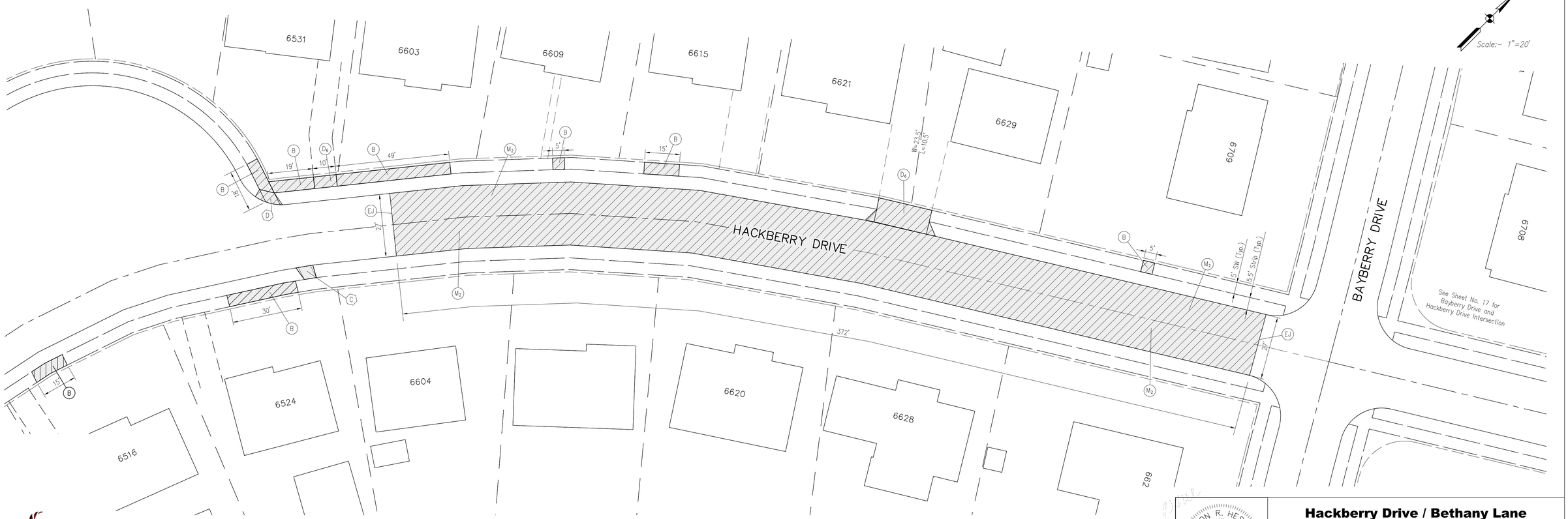
Scale:- 1"=20'

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal



Scale:- 1"=20'

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

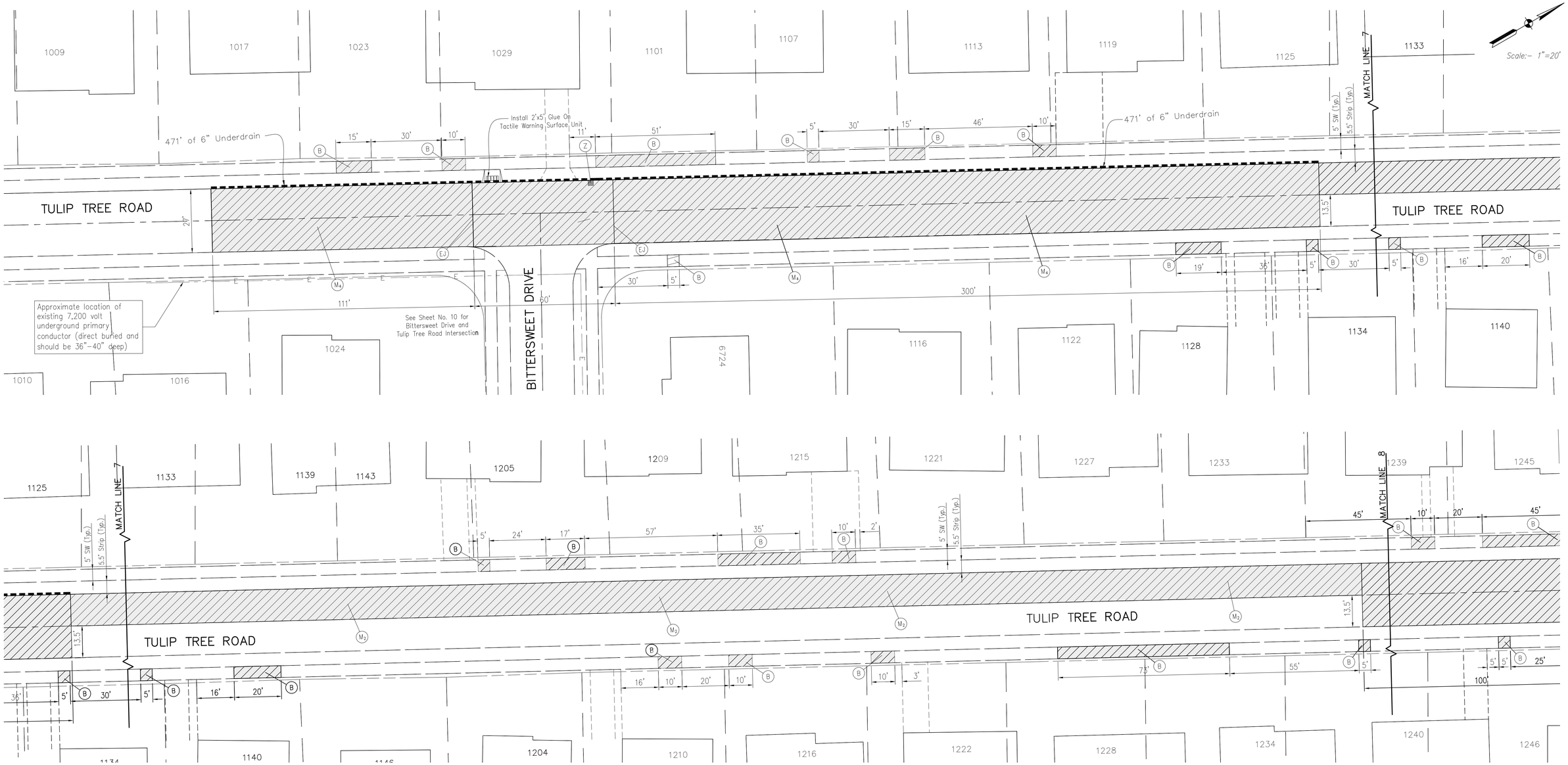
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Hackberry Drive / Bethany Lane to Bayberry Drive

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG	12383		
Checked by: JRH			

Sheet 12 of 22

13307\dwg\PLANS\13307 CRESTWOOD COLONY Hackberry Dr (1)\1:1\03\07\2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade

- New Construction
- Removal
- Underdrain, 6"

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Tulip Tree Road / Bittersweet Drive to Mimosa Lane

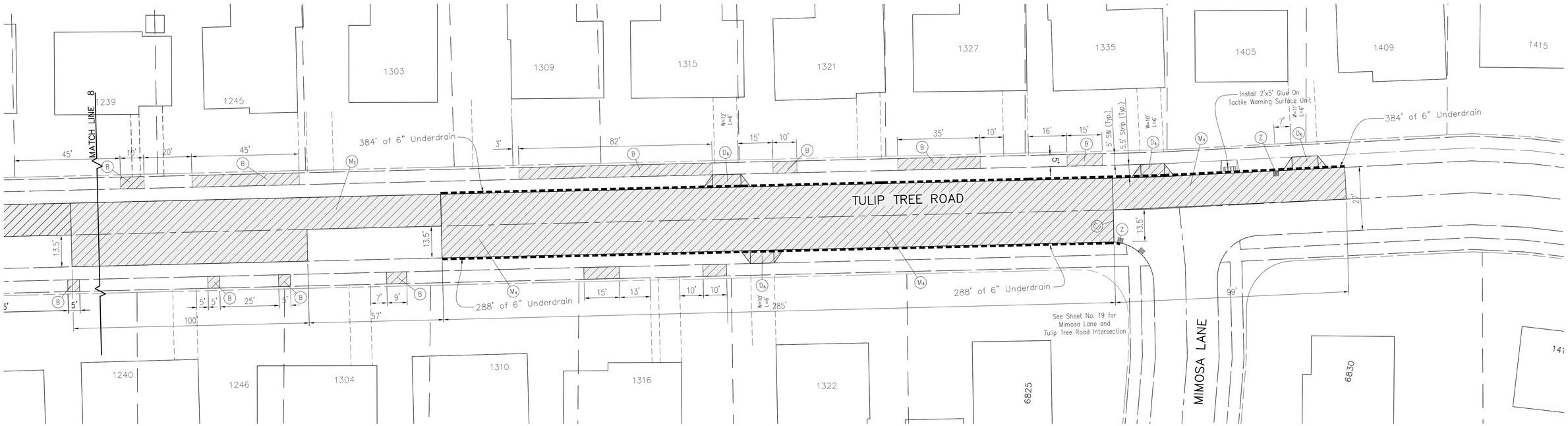
Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG	12383		
Checked by: JRH			

Sheet 13 of 22

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

P:\13307\dwg\PLANS\13307 CREST WOOD_CONLONY_07\1:1\04-11-2014

Scale:- 1"=20'



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade

- New Construction
- Removal
- Underdrain, 6"

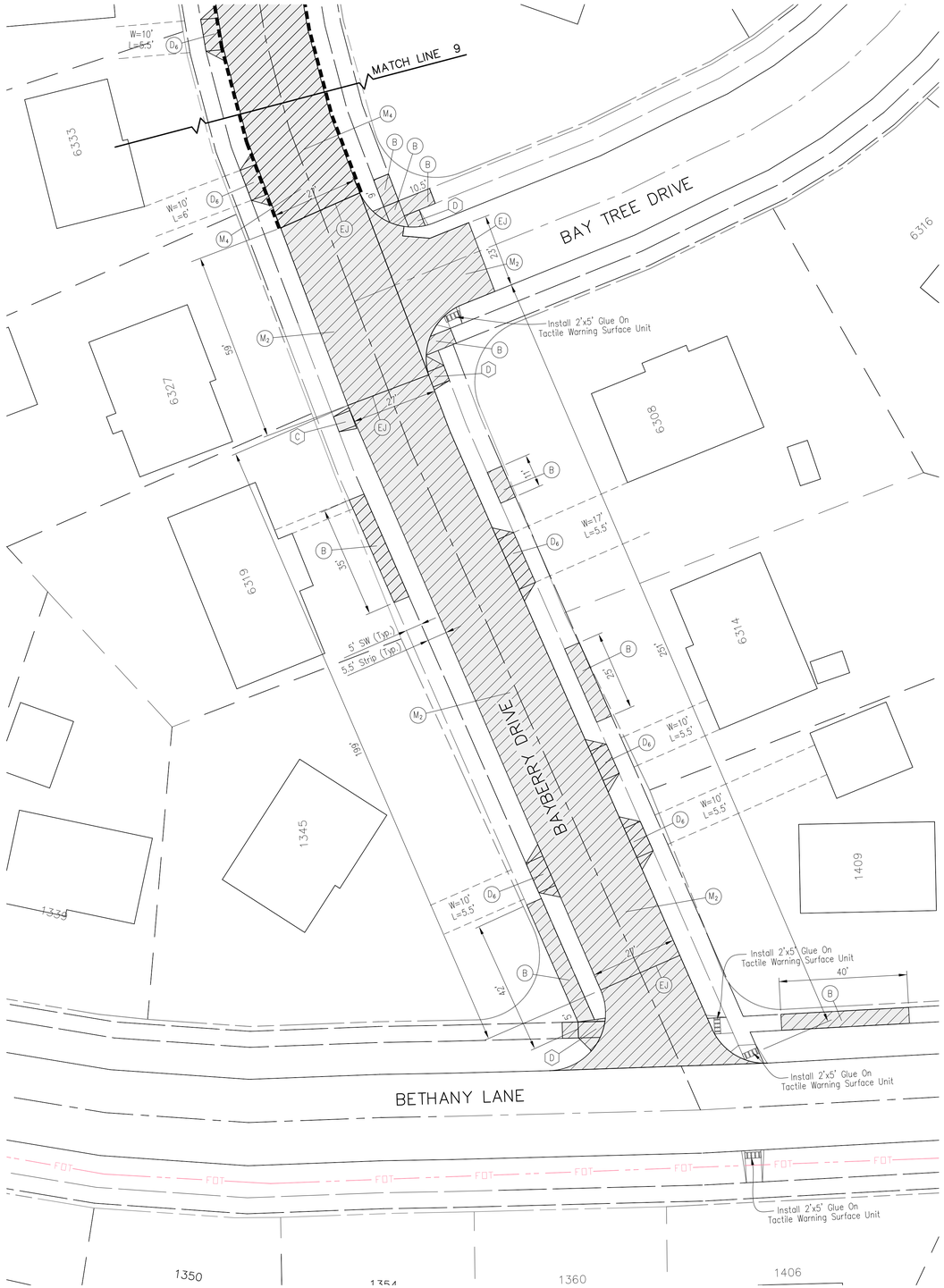
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

P:\13307\dwg\PLANS\13307 CREST WOOD_CONLONY_07\1:1\04-11-2014

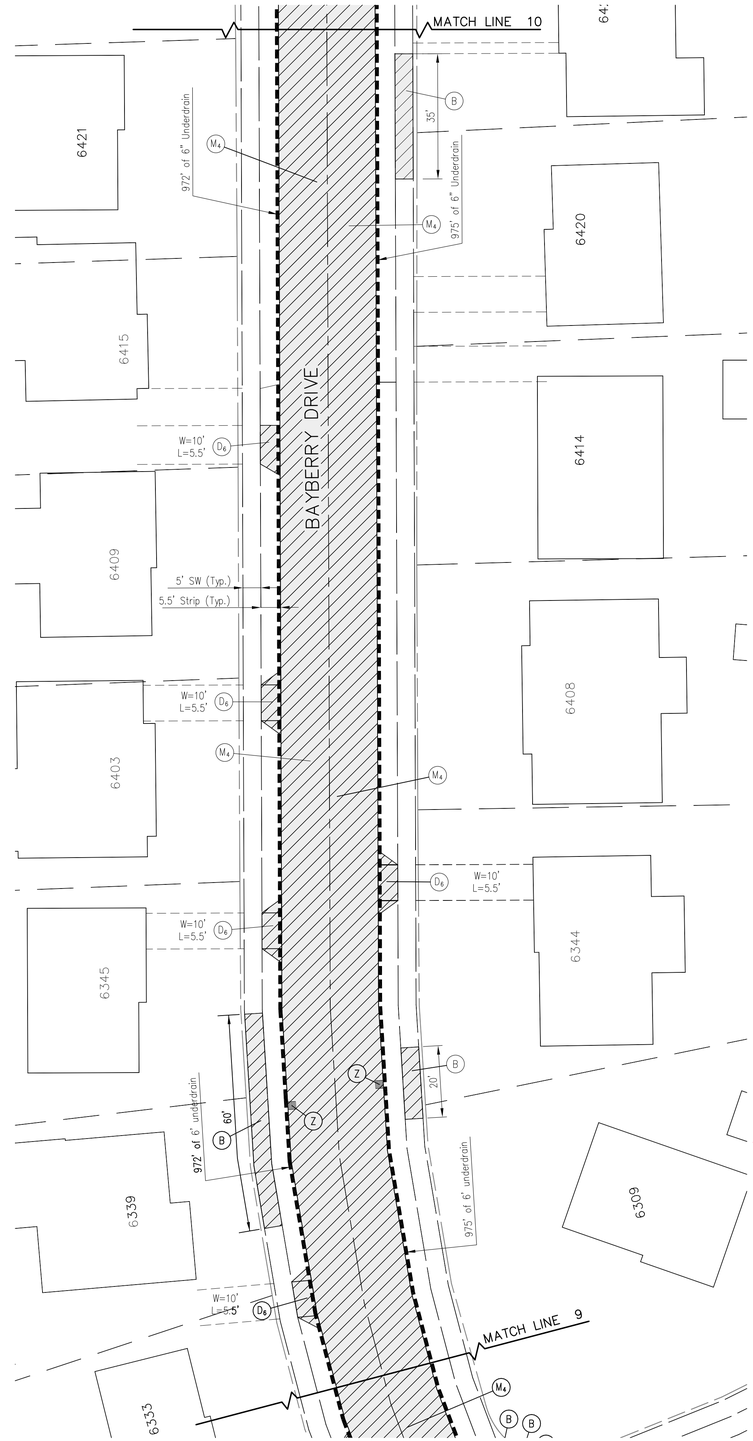
JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

Tulip Tree Road / Bittersweet Drive to Mimosa Lane

Designed by: JRH	RES.	W.O.	S.T.	Sheet 14 of 22
Drawn by: FG		12383		
Checked by: JRH				



Scale: – 1"=20'



Scale: – 1"=20'

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

- New Construction
- Removal
- Underdrain, 6"
- Fiber Optic

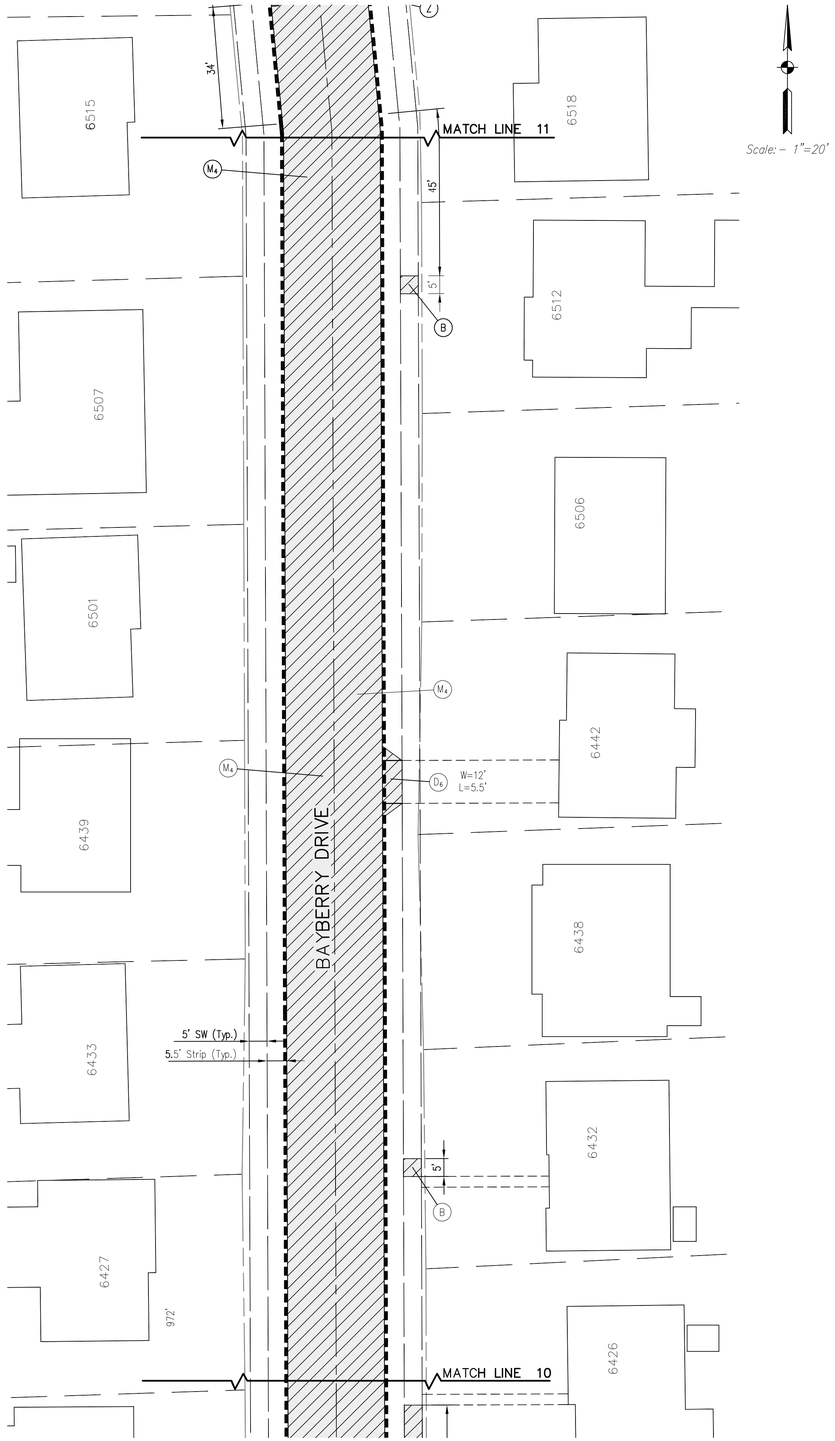
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

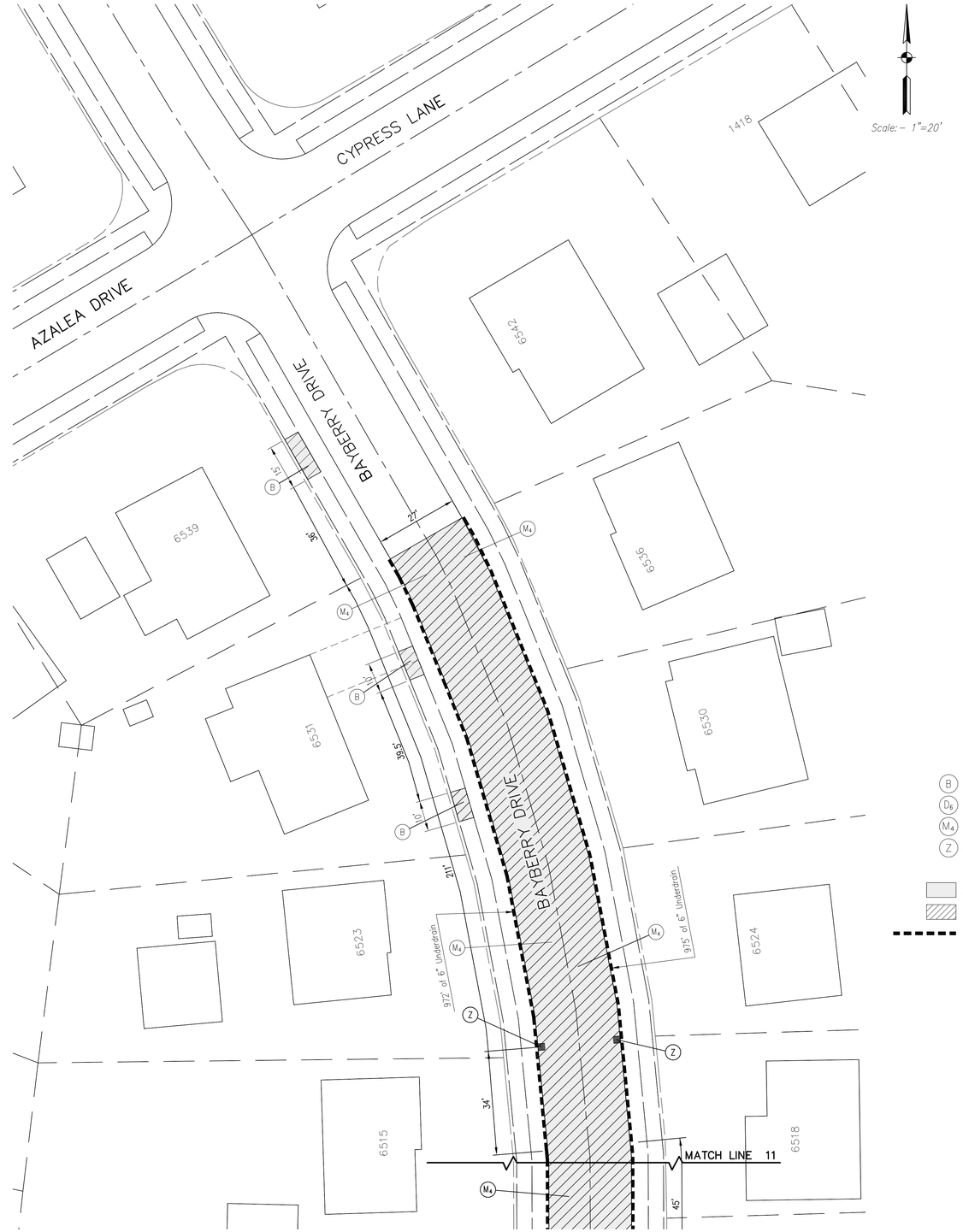
JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

Bayberry Drive / Bethany Lane
Azalea Drive and Cypress Lane

Designed by: JRH	RES.	W.O.	S.T.	Sheet 15 of 22
Drawn by: FG	12383			
Checked by: JRH				

13307\dwg\PLANS\13307 CRESTWOOD COLONY Bittersweet Dr (1)\1:1\04-11-2014





LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade

New Construction
Removal
Underdrain, 6"

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Bayberry Drive / Bethany Lane
Azalea Drive and Cypress Lane

Designed by: JRH	RES.	W.O.	S.T.	Sheet 16 of 22
Drawn by: FG	12383			
Checked by: JRH				

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Bittersweet Dr (1)\1:1\04-11-2014

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_3) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

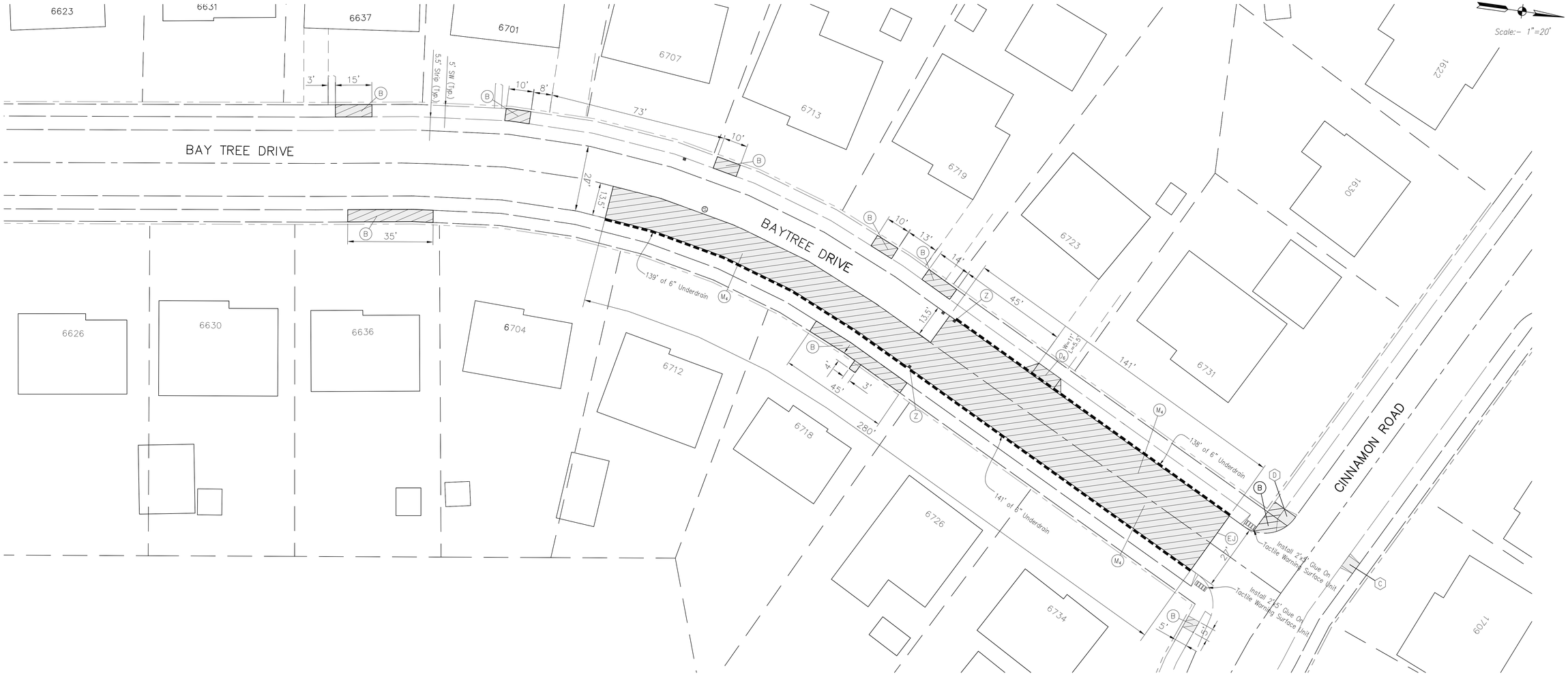
CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Bayberry Drive / Azalea Drive and Cypress Lane to Hackberry Drive and Sycamore Drive

Designed by: JRH	RES.	W.O.	S.T.	Sheet 17 of 22
Drawn by: FG	12383			
Checked by: JRH				

13307\dwg\PLANS\13307 CRESTWOOD COLONY Bittersweet Dr (1)\1:1\04-11-2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_4) Concrete Pavement, 7 IN. on 4 IN. Compacted Aggregate No. 53
- (Z) Adjust Casting to Grade

New Construction

Removal

Underdrain, 6"

issued

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Baytree Drive to Cinnamon Road

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG		12383	
Checked by: JRH			

Sheet 18 of 22

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

P:\13307\dwg\PLANS\13307 CREST WOOD_CONLONY_08-Baytree\1:1\04-14-2014

Scale:- 1"=20'

MIMOSA LANE

CINNAMON ROAD

TULIP TREE ROAD

See Sheet No. 11 for Cinnamon Road and Mimosa Lane Intersection

See Sheet No. 14 for Tulip Tree Road and Mimosa Lane Intersection

Install 2.45' Glue On Tactile Warning Surface Unit

5.5' Strip (Typ.)

5' SW (Typ.)

88'

50'

45'

280'

36'

15'

10'

26'

5'

9'

2'

1331 1322 1327 1337 1335 1345 6825 6817 1405 6830 6814 6816 1402 1405 1418 1412 1415 1428

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

Underdrain, 6"

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

JASON R. HESLER REGISTERED No. 10809448 STATE OF INDIANA PROFESSIONAL ENGINEER

Mimosa Lane Cinnamon Road to Tulip Tree Road

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG	12383		
Checked by: JRH			

Sheet 19 of 22

13307\dwg\PLANS\13307 CRESTWOOD_COLONY Mimosa Ln (1)\ t:\04-14-2014

Scale:- 1"=20'

CINNAMON ROAD

BUTTERNUT LANE

TULIP TREE ROAD

496'

Install 2'x5' Glue On Tactile Warning Surface Unit

Adjust Water Valve

5.5' Strip (Typ.)
5' SW (Typ.)

1615 1622 1625 1633 1705 1701 1710 1630 6807 6812 6818 6819 6824 6827 6830 6833 6836 6842

LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53
- (X) ADA Sidewalk Curb Ramp (Letter Indicates Type)

New Construction

Removal

Underdrain, 6"

CERTIFIED engineering

3939 Millersville Road
Indianapolis, IN 46205

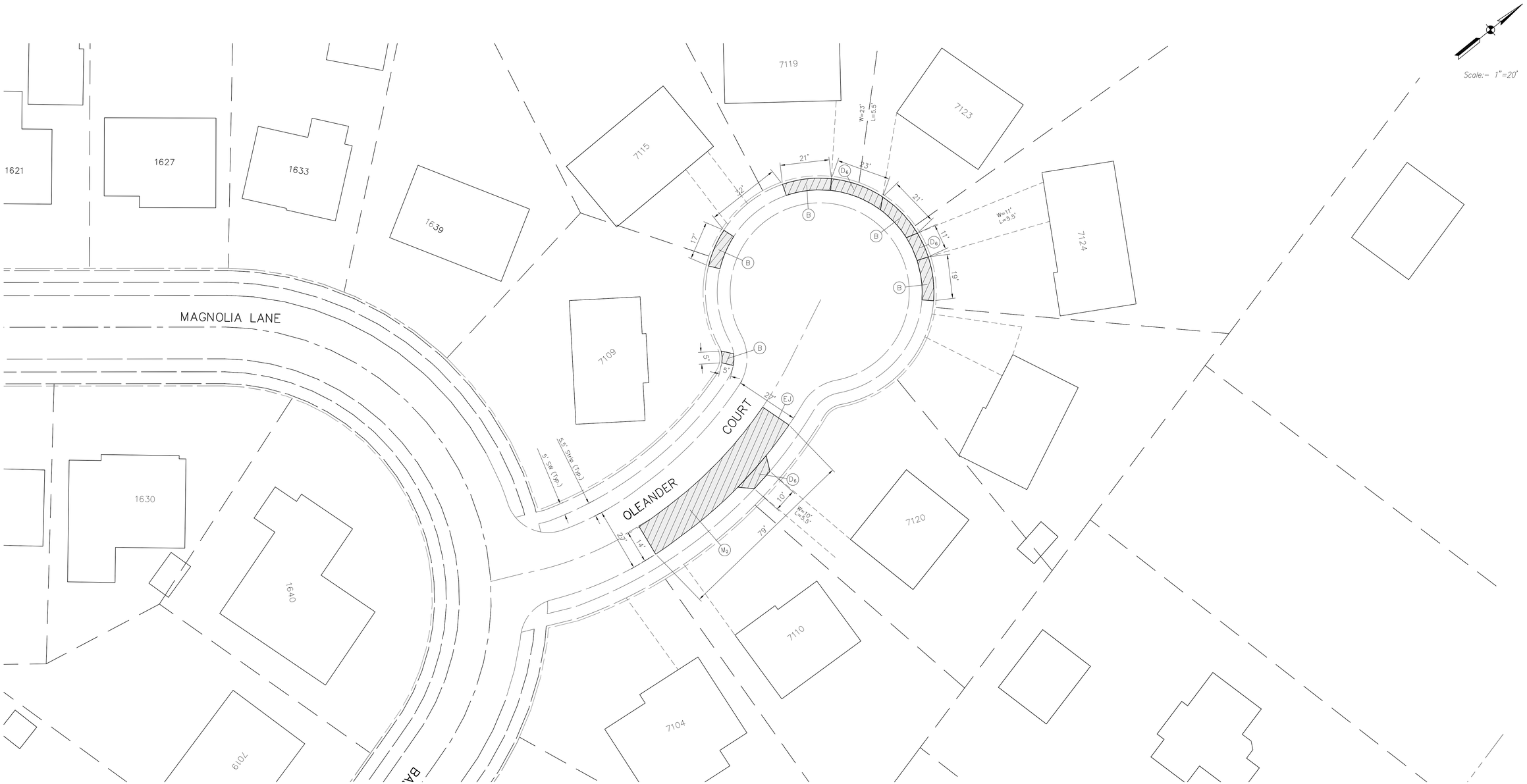
JASON R. HESLER
REGISTERED
No. 10809448
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Butternut Lane Cinnamon Road to Tulip Tree Road

Designed by: JRH	RES.	W.O.	S.T.
Drawn by: FG		12383	
Checked by: JRH			

Sheet 20 of 22

13307\dwg\PLANS\13307_CRESTWOOD_COLONY Mimosa Ln (1)\1:1\03\07\2014



LEGEND

- (B) Sidewalk, 4 IN. Concrete
- (D_6) Cement Conc. Pvmt. for Driveways, 6 IN.
- (EJ) 1" Expansion Joint with Thickened Edge
- (M_2) Concrete Pavement, 7 IN. on 2 IN. Compacted Aggregate No. 53

New Construction

Removal

CERTIFIED engineering
3939 Millersville Road
Indianapolis, IN 46205

JASON R. HESLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

Oleander Court/ Magnolia Lane

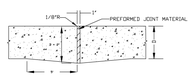
Designed by: JRH	RES.	W.O.	S.T.	Sheet 21 of 22
Drawn by: FG	12383			
Checked by: JRH				

P:\13307\dwg\PLANS\13307 CREST WOOD_CONLONY_10\1:1\04-14-2014

1" EXPANSION JOINT WITH THICKENED EDGE

(APPLICATION FOR LOCAL STREETS)

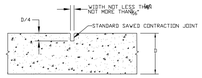
NOT TO SCALE



CONTRACTION JOINT

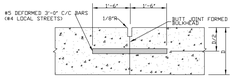
(APPLICATION FOR LOCAL STREETS)

NOT TO SCALE



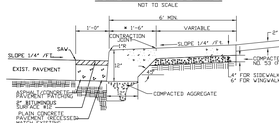
LONGITUDINAL CONSTRUCTION JOINT

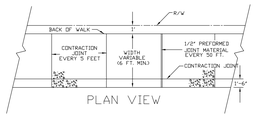
NOT TO SCALE



CURBFACE SIDEWALK

NOT TO SCALE





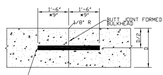
PLAN VIEW

* OR AS DIRECTED BY THE PROJECT COORDINATOR

TRANSVERSE CONSTRUCTION JOINT

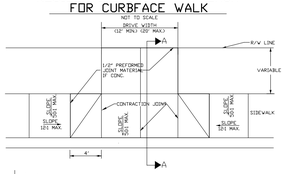
END OF DAYS WORK

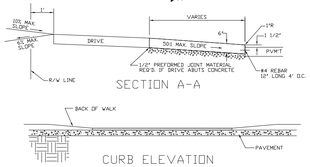
NOT TO SCALE



RESIDENTIAL DRIVE APPROACH FOR CURBFACE WALK

NOT TO SCALE



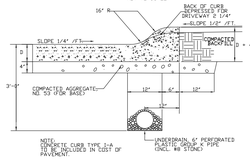


SECTION A-A

CURB ELEVATION

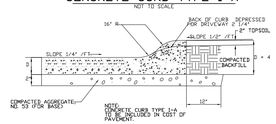
CONCRETE CURB TYPE I-A WITH UNDERDRAIN

NOT TO SCALE



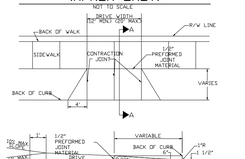
CONCRETE CURB TYPE I-A

NOT TO SCALE



RESIDENTIAL DRIVE APPROACH (APRON ONLY)

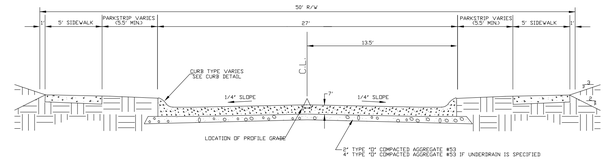
NOT TO SCALE



SECTION A-A

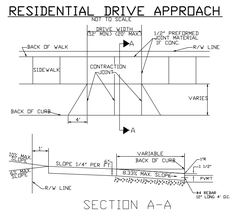
CURB ELEVATION

TYPICAL RESIDENTIAL CONCRETE STREET SECTION



RESIDENTIAL DRIVE APPROACH

NOT TO SCALE

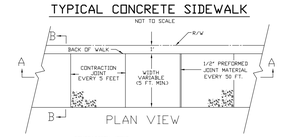


SECTION A-A

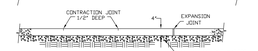
CURB ELEVATION

TYPICAL CONCRETE SIDEWALK

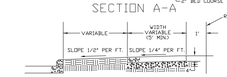
NOT TO SCALE



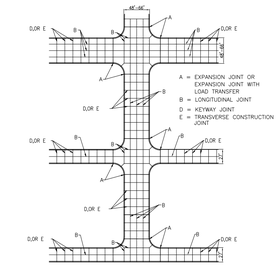
PLAN VIEW



SECTION A-A



SECTION B-B



TYPICAL STREET JOINT DETAIL

A	1" Expansion Joint With Thickened Edge
Pavement Thickness	Thickened Edge
7"	9"

B	Tie-Bar Sizes For Longitudinal Joint		
Pavement Thickness	Tie Bar Size	Length	Placed at 1'-6" From Transverse Joint
7"	#4 (1/2" dia.)	3'-0"	4'-0" c/c

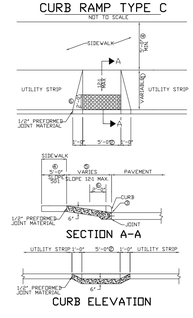
D	Contraction Joint
Pavement Thickness	Joint Spacing
7"	12'-0" to 15'-0"

E	Tie-Bar Sizes For Transverse Construction Joint		
Pavement Thickness	Tie-Bar Size	Length	Placed at 6" From Pavement Edge
7"	#4 (1/2" dia.)	3'-0"	2'-0" c/c

TYPICAL LOCAL STREET JOINT TABLE

CURB RAMP TYPE C

NOT TO SCALE



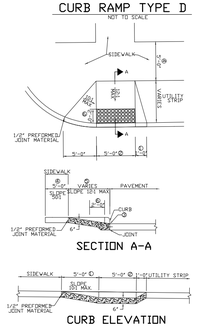
CURB ELEVATION

GENERAL NOTES

1. THESE DIMENSIONS ARE BASED ON A 6" CURB HEIGHT, AND SHALL BE PROPORTIONALLY ADJUSTED FOR OTHER CURB HEIGHTS.
2. A 4'-0" MINIMUM WIDTH RAMP MAY BE USED WHEN EXISTING SPACE PROHIBITS THE CONSTRUCTION OF THE 5'-0" WIDE RAMP.
3. THE BOTTOM EDGE OF THE CURB RAMP SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER LINE.
4. LANDING AREA AT THE TOP OF CURB RAMPS SHALL HAVE MAXIMUM CROSS SLOPE OF 50:1 IN ANY DIRECTION. WHERE SITE INFEASIBILITY PRECLUDES A LANDING SLOPE OF 50:1 IN ANY DIRECTION, THE SLOPE PERPENDICULAR TO THE CURB FACE SHALL NOT EXCEED 50:1. A TURNING SPACE (4.0 FT.) MINIMUM BY (4.0 FT) MINIMUM SHALL BE PROVIDED AT THE TOP OF THE CURB RAMP AND SHALL BE PERMITTED TO OVERLAP OTHER TURNING SPACES AND CLEAR SPACES. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF THE SIDEWALK, THE TURNING SPACE SHALL BE (4.0 FT) MINIMUM BY (5.0 FT) MINIMUM. THE (5.0 FT) DIMENSION SHALL BE PROVIDED IN THE DIRECTION OF THE RAMP RUN.
5. THE RUNNING SLOPE OF THE CURB RAMP SHALL CUT THROUGH OR SHALL BE BUILT UP TO THE CURB AT RIGHT ANGLES OR SHALL MEET THE GUTTER GRADE BREAK AT RIGHT ANGLES WHERE THE CURB IS CURVED. THE RUNNING SLOPE OF THE CURB SHALL BE (12) MIN. AND (20) MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED (30.0 FT). THE RUNNING SLOPE OF THE TURNING SPACE SHALL BE 2% MAXIMUM.
6. DETECTABLE WARNING SURFACE SHALL BE BRICK RED IN COLOR. SEE SPECIAL PROVISIONS FOR ACCEPTED TACTILE WARNING UNITS.

CURB RAMP TYPE D

NOT TO SCALE



CURB ELEVATION

GENERAL NOTES

1. THESE DIMENSIONS ARE BASED ON A 6" CURB HEIGHT, AND SHALL BE PROPORTIONALLY ADJUSTED FOR OTHER CURB HEIGHTS.
2. A 4'-0" MINIMUM WIDTH RAMP MAY BE USED WHEN EXISTING SPACE PROHIBITS THE CONSTRUCTION OF THE 5'-0" WIDE RAMP.
3. THE BOTTOM EDGE OF THE CURB RAMP SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER LINE.
4. LANDING AREA AT THE TOP OF CURB RAMPS SHALL HAVE MAXIMUM CROSS SLOPE OF 50:1 IN ANY DIRECTION. WHERE SITE INFEASIBILITY PRECLUDES A LANDING SLOPE OF 50:1 IN ANY DIRECTION, THE SLOPE PERPENDICULAR TO THE CURB FACE SHALL NOT EXCEED 50:1. A TURNING SPACE (4.0 FT.) MINIMUM BY (4.0 FT) MINIMUM SHALL BE PROVIDED AT THE TOP OF THE CURB RAMP AND SHALL BE PERMITTED TO OVERLAP OTHER TURNING SPACES AND CLEAR SPACES. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF THE SIDEWALK, THE TURNING SPACE SHALL BE (4.0 FT) MINIMUM BY (5.0 FT) MINIMUM. THE (5.0 FT) DIMENSION SHALL BE PROVIDED IN THE DIRECTION OF THE RAMP RUN.
5. THE RUNNING SLOPE OF THE CURB RAMP SHALL CUT THROUGH OR SHALL BE BUILT UP TO THE CURB AT RIGHT ANGLES OR SHALL MEET THE GUTTER GRADE BREAK AT RIGHT ANGLES WHERE THE CURB IS CURVED. THE RUNNING SLOPE OF THE CURB SHALL BE (12) MIN. AND (20) MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED (30.0 FT). THE RUNNING SLOPE OF THE TURNING SPACE SHALL BE 2% MAXIMUM.
6. DETECTABLE WARNING SURFACE SHALL BE BRICK RED IN COLOR. SEE SPECIAL PROVISIONS FOR ACCEPTED TACTILE WARNING UNITS.

JASON R. HELLER
REGISTERED
No. 10809448
STATE OF INDIANA
PROFESSIONAL ENGINEER

CRESTWOOD COLONY / NORTH SHERWOOD TERRACE AND SILVER MAPLES / SUMMERFIELD TYPICAL DETAIL

Designed by: JRH	RES.	W.O.	S.T.	Sheet 22 of 22
Drawn by: FG	12383			
Checked by: JRH				

P:\13307\dwg\PLANS\13307 CREST WOOD_CONLONY Typical Detail\1:1\04-22-2014