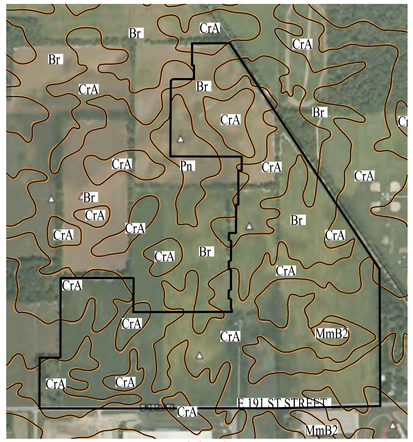
CONSTRUCTION PLANS FOR

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET
WESTFIELD, IN 46074



SOILS MAP

NO SCALE

SOIL SERIES	MOVE
Br	BROOKSTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
CrA	CROSBY SILT LOAM, FINE-LOAMY SUBSOIL, 0 TO 2 PERCENT SLOPES
Pn	PATTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES

GENERAL NOTES:

1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.

2) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION

3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.

4) ALL QUANTITIES ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.

5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.

6) EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE A TRENCH SAFETY SYSTEM DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.

8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.

9) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.

10) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.

11) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONFIRM THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.

12) THE SITE LIES WITHIN UNSHADED ZONE "X" ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #18057C0109G, DATED NOVEMBER 19, 2014.

13) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.

14) THIS SITE DOES NOT CONTAIN WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE; WESTFIELD, INDIANA, NATIONAL WETLANDS INVENTORY MAP. NO WETLANDS ARE IMPACTED BY THIS DEVELOPMENT.

15) ALL WATER MAINS, HYDRANTS, AND WATER VALVES SHALL BE INSPECTED AND SHALL COMPLY WITH BACKFILL, BEDDING, AND THRUST BLOCK REQUIREMENTS PER CITIZENS WESTFIELD DETAIL SHEETS.

OPERATING AUTHORITIES

CITY OF WESTFIELD
COMMUNITY DEVELOPMENT
ATTENTION: DAINE CRABTREE
2728 E. 171ST STREET
WESTFIELD, IN 46074
(317)416-2586

HAMILTON COUNTY HEALTH DEPT.
ATTENTION: LARRY BEARD
18030 FOUNDATION DRIVE, SUITE A
NOBLESVILLE, IN 46060-2229
(317)776-8500

WESTFIELD DEPT. OF PUBLIC WORKS
ATTENTION: JOHN RANKIN
2706 EAST 171ST STREET
WESTFIELD, IN 46074
(317)804-3100

WESTFIELD FIRE DEPARTMENT
ATTENTION: JIM ROBERTS
17535 DARTOWN ROAD
WESTFIELD, IN 46074
(317)804-3307

HAMILTON COUNTY SURVEY0R'S OFFICE
ATTENTION: SAMUEL CLARK
1 HAMILTON COUNTY SQUARE, SUITE 188
NOBLESVILLE, IN 46060
(317)776-8495

DUKE ENERGY (ELECTRIC)
ATTENTION: MARC DILLER
100 S. MILL CREEK ROAD
NOBLESVILLE, IN 46062
(317)349-1144

METRONET
ATTENTION: MARK HILL
12415 OLD MERIDIAN ST.
CARMEL, IN 46032
(317)670-7995

SPECTRUM
ATTENTION: KYLE MILLER
3030 ROOSEVELT AVE
INDIANAPOLIS, IN 46218
(317)473-8738

CITIZENS ENERGY GROUP
ATTENTION: MITCH HOUSE/RICHARD MILLER, JR.
2150 DR. MARTIN LUTHER KING JR. STREET
INDIANAPOLIS, IN 46202
(317)917-5294

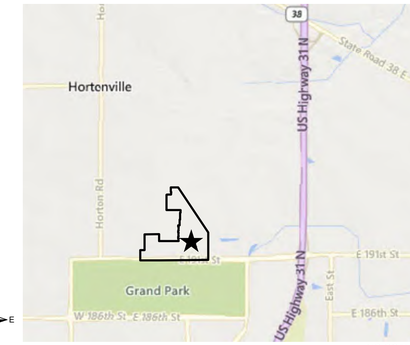
CENTERPOINT ENERGY
ATTENTION: CHAD MILLER
16000 ALLISONVILLE ROAD
NOBLESVILLE, IN 46060
(317)776-5590

COMCAST CABLE
ATTENTION: EARL SMALL JR.
533 EAST 65TH STREET
INDIANAPOLIS, IN 46204
(317) 982-1161

AT&T (TELEPHONE)
ATTENTION: BRIAN WENTE
240 NORTH MERIDIAN STR.
INDIANAPOLIS, IN 46204
(317)610-5440

LATITUDE: 40°04'21" N, LONGITUDE: 86°08'54" W

SITE MAP



NO SCALE

SITE LOCATION MAP

SHEET INDEX	
SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C100-C106	EXISTING CONDITIONS
C200-C207	STORMWATER POLLUTION PREVENTION PLAN PHASE I
C207-C215	STORMWATER POLLUTION PREVENTION PLAN PHASE II
C216-C218	STORMWATER POLLUTION PREVENTION SPECIFICATIONS AND DETAILS
C300-C307	DEVELOPMENT PLAN
C308-C313	EMERGENCY FLOOD ROUTING PLAN
C400-C412	STREET PLAN AND PROFILE
C413-C417	INTERSECTION DETAILS
C418-C419	ENTRANCE DETAIL
C420-C422	STREET DETAILS AND SPECIFICATIONS
C423-C426	TRAFFIC CONTROL, SIGNAGE AND SSD PLAN
C427	MAINTENANCE OF TRAFFIC PLAN
C500	SANITARY SEWER MAP
C501-C512	SANITARY SEWER PLAN & PROFILE
C513-C519	SANITARY SEWER DETAILS AND SPECIFICATIONS
C600	STORM SEWER MAP
C601-C618	STORM SEWER PLAN & PROFILE
C619-C622	STORM SEWER DETAILS
C700-C702	WATER MAIN PLAN
C703-C705	WATER PLAN DETAILS
C800-C801	GENERAL SPECIFICATIONS
L100-108	LANDSCAPE PLAN
L109	LANDSCAPE DETAILS & SPECIFICATIONS

SCALE: 1"=300'

DESIGN DATA	
PROJECT AREA	118.75 AC
PROPOSED LOTS	141
PROPOSED DENSITY	1.19 LOTS/ACRE

PLANS PREPARED FOR

CND-WOOD ROBINSON, LLC
9310 MERIDIAN STREET, SUITE 100
INDIANAPOLIS, INDIANA 46260
TELEPHONE: (317) 582-2431
CONTACT PERSON: ED FREEMAN

PLANS PREPARED BY

WEIHE ENGINEERS
10505 N. COLLEGE AVE.
INDIANAPOLIS, INDIANA 46280
TELEPHONE: (317) 846-6611
CONTACT PERSON: JIM PENCE
EMAIL: PENCEJ@WEIHE.NET

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317 | 846 - 6611
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317 | 843 - 0546 fax
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PROJECT NO:	W20.0155-1
DWG NAME:	C001 Title Sheet
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	06-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

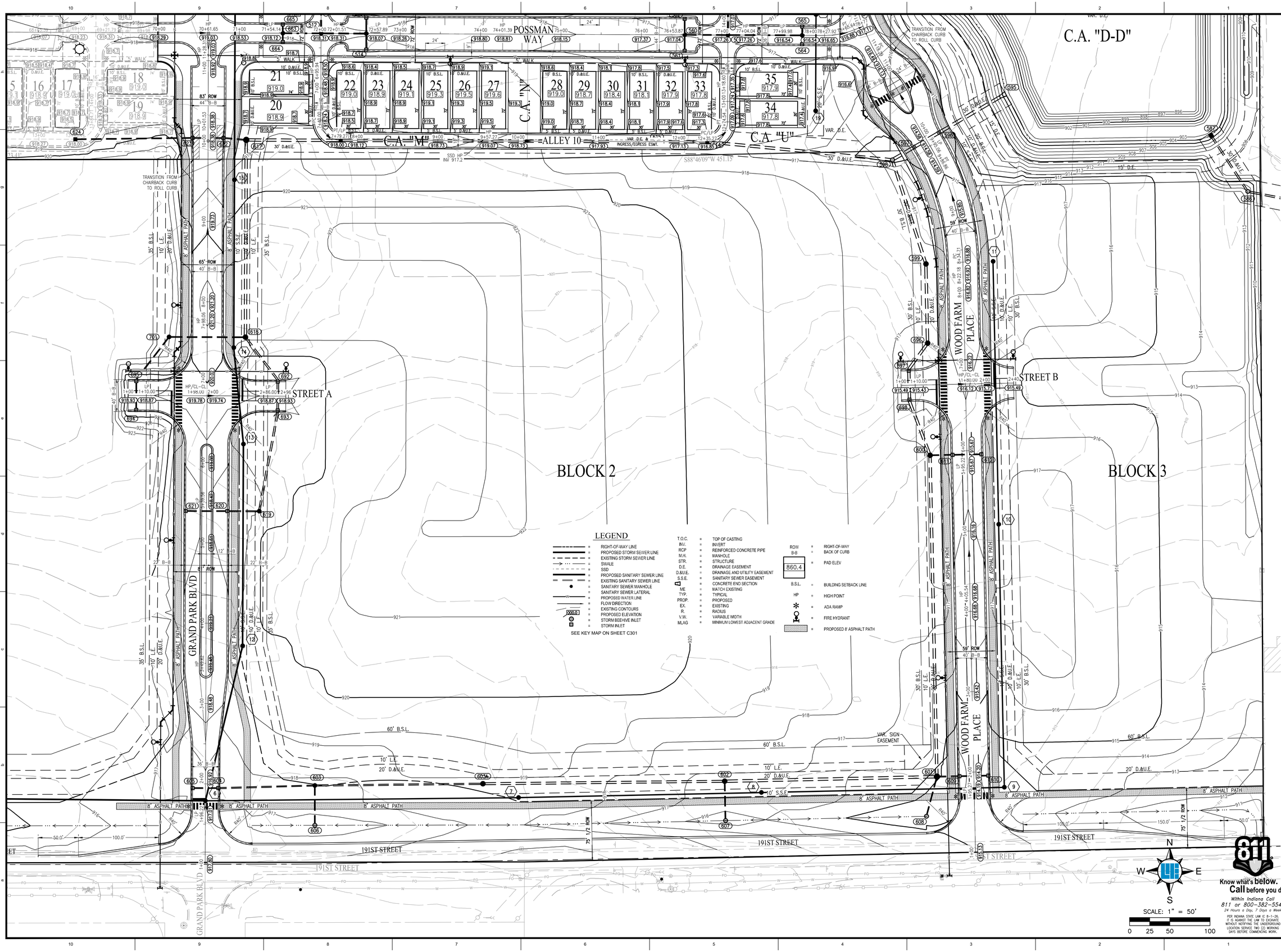
TITLE SHEET

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C001

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W0201555\Section 1\Engineering\Engineering\Construct\C001 Title Sheet.dwg
LAYOUT: C001
DATE/TIME: August 26, 2022 - 11:22am
PLOTTED BY: Melissa



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Indianapolis, Indiana 46280
weihe.net

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800 | 452 - 6408
317 | 843 - 0546 *fax*

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PROJECT NO.	W20.0155-1
DWG NAME:	C300 Development Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES

DATE	BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022
DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

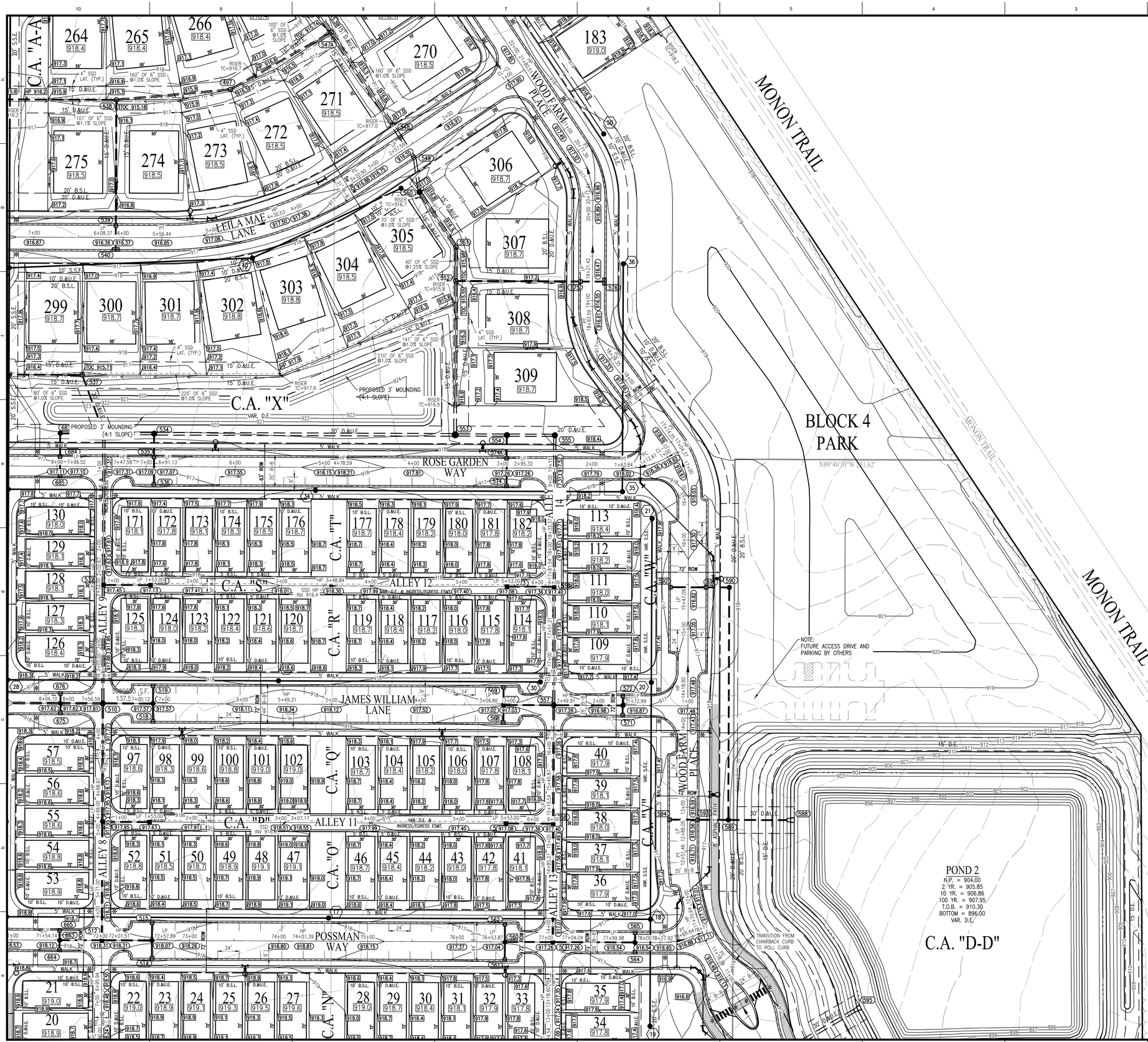
DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C300

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2001555\Section 16\Engineering\engineering\cross\C300 Development Plan.dwg
LAYOUT: C300
DATETIME: August 26, 2022 - 11:33am
PLOTTED BY: Melissa



GENERAL GRADING NOTES

1. REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION, FOR BASIC MATERIALS AND CONSTRUCTION METHODS.
2. FILL MATERIAL SHALL CONSIST OF SOIL OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. SOIL SHALL BE FREE FROM ORGANIC MATTER, LARGE ROCKS AND OTHER DELETERIOUS SUBSTANCES. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION, PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TESTS SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS. THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH INDOT SECTION 211.
3. MAXIMUM LAWN SLOPE IS 3:1.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES AND OTHER FACILITIES IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
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6. COMPACTED "B" BORROW BACK FILL REQ'D. OVER ALL UTILITIES IN PAVED AREAS.
7. ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
8. ANY PART OF SANITARY / STORM SEWER AND WATER MAIN TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
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11. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
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LEGEND

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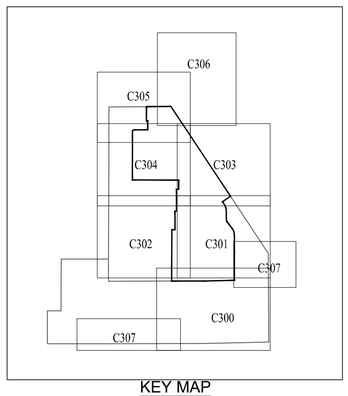

KEY MAP

SCALE: 1" = 50'

0 25 50 100

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REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

PROJECT NO. W20.0155-1
DWG NAME: C300 Development Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. C301

PROJECT NO. W20.0155-1

LOCATION: H:\2020\W2001155\Section 1\Engineering\design\consist\C300 Development Plan.dwg
LAYOUT: C301
DATE/TIME: August 26, 2022 - 11:32am
REGISTERED BY: mbess

GENERAL GRADING NOTES

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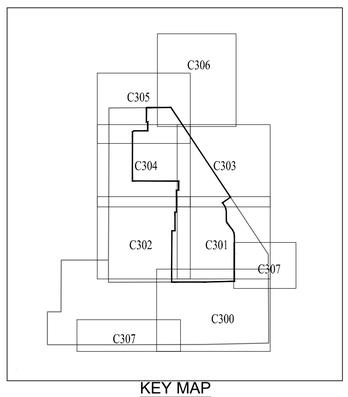

KEY MAP

N
W E
S

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PROJECT NO: W20.0155-1	
DWG NAME: C300 Development Plan	
DESIGNED BY: MEN	
DRAWN BY: MEN	
CHECKED BY: JP	
DATE: 04-14-2022	

REVISIONS AND ISSUES	DATE	BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022
DUANE A. SHARRER
REGISTERED No. 890258
STATE OF INDIANA
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DUANE A. SHARRER P.E. 890258

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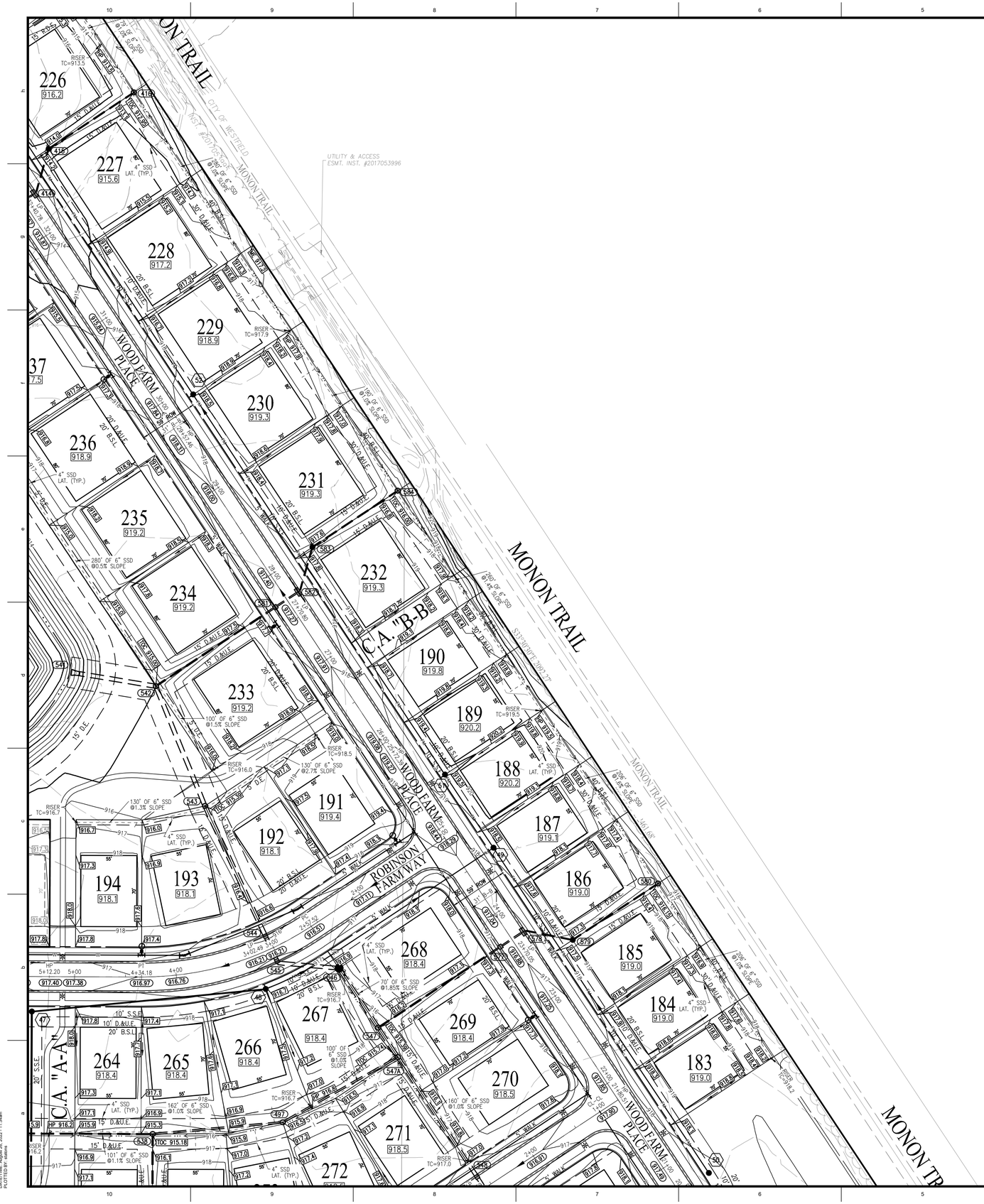
DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C302

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2001055\Section 1\Engineering\design\cross\C300 Development Plan.dwg
LAYOUT: C302
DATE/TIME: August 26, 2022 - 11:33am
PLOTTED BY: mbarna



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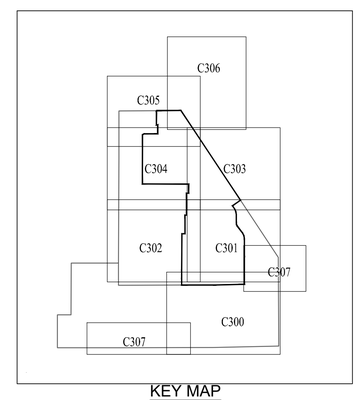
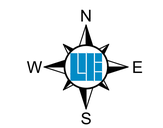


KEY MAP



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0 25 50 100

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317 | 843 - 0546 *fax*

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PROJECT NO.	W20.0155-1
DWG NAME:	C300 Development Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES		
	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

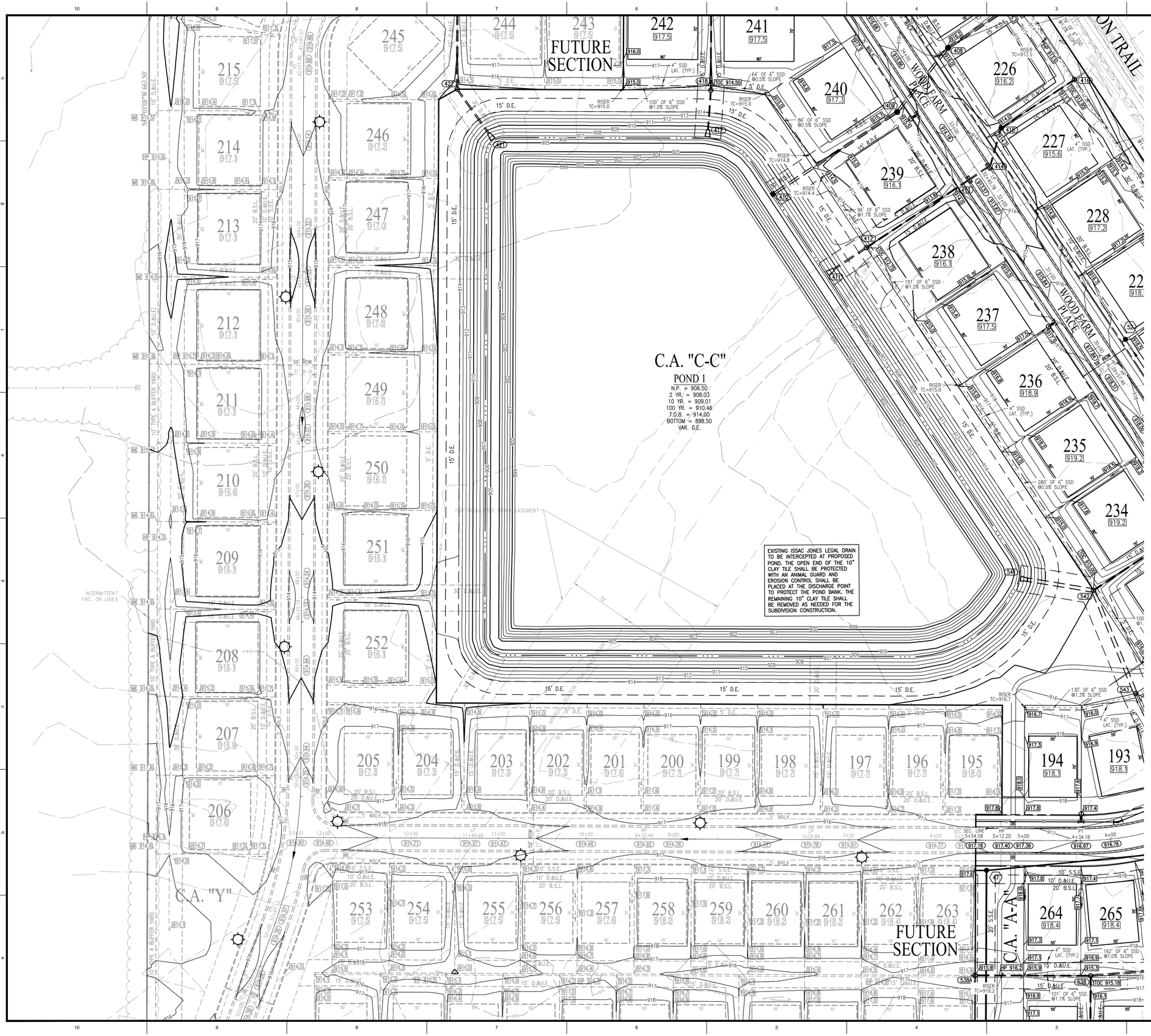
DEVELOPMENT PLAN

Part of the SE¼ of Section 22, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C303

PROJECT NO.
W20.0155-1

LOCATION: H:\W20\W20155\Section 1\Engineering\dwg\nonsset\C300 Development Plan.dwg
LAYOUT: C303 - Plan
DATE/TIME: August 26, 2022 - 11:34am
PLOTTED BY: Andrew



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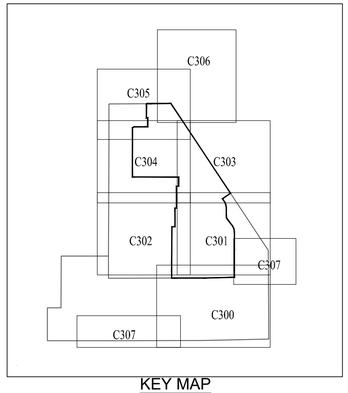

KEY MAP

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PROJECT NO.	W20.0155-1
DWG NAME:	C300 Development Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

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612 EAST 191ST STREET, WESTFIELD, IN 46074

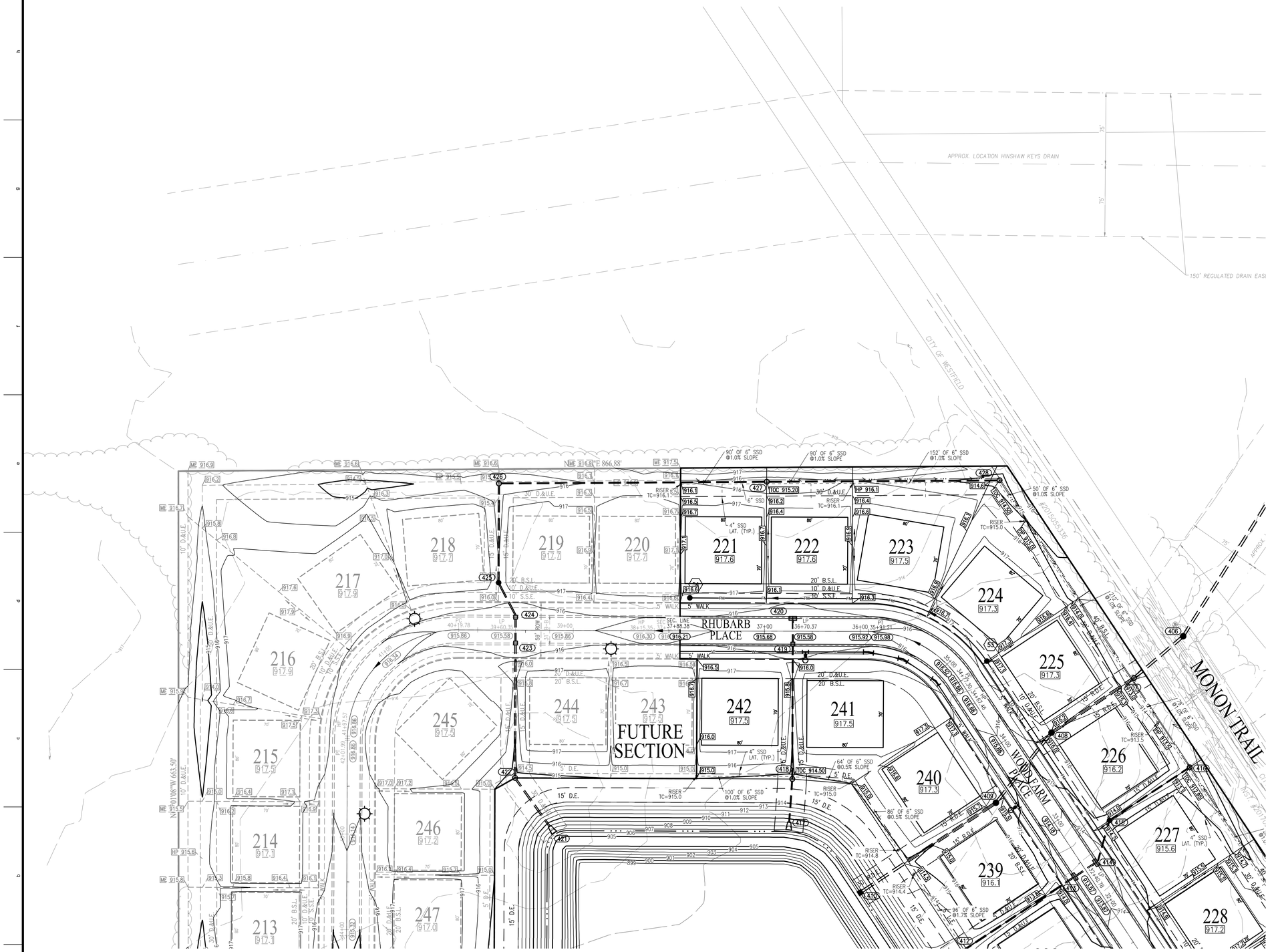
DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C304

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W20155\Section 1\Engineering\plans\cons\C300 Development Plan.dwg
USER: Allan Weihe
DATE/TIME: August 26, 2022 - 11:35am
PLOTTER BY: Allan Weihe



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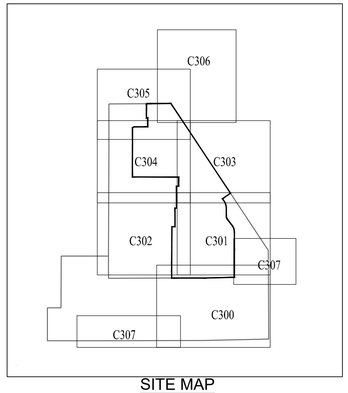

SITE MAP

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PROJECT NO:	W20.0155-1
DWG NAME:	C300 Development Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION		

08/26/2022
DUANE A. SHARRER
REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

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612 EAST 191ST STREET, WESTFIELD, IN 46074

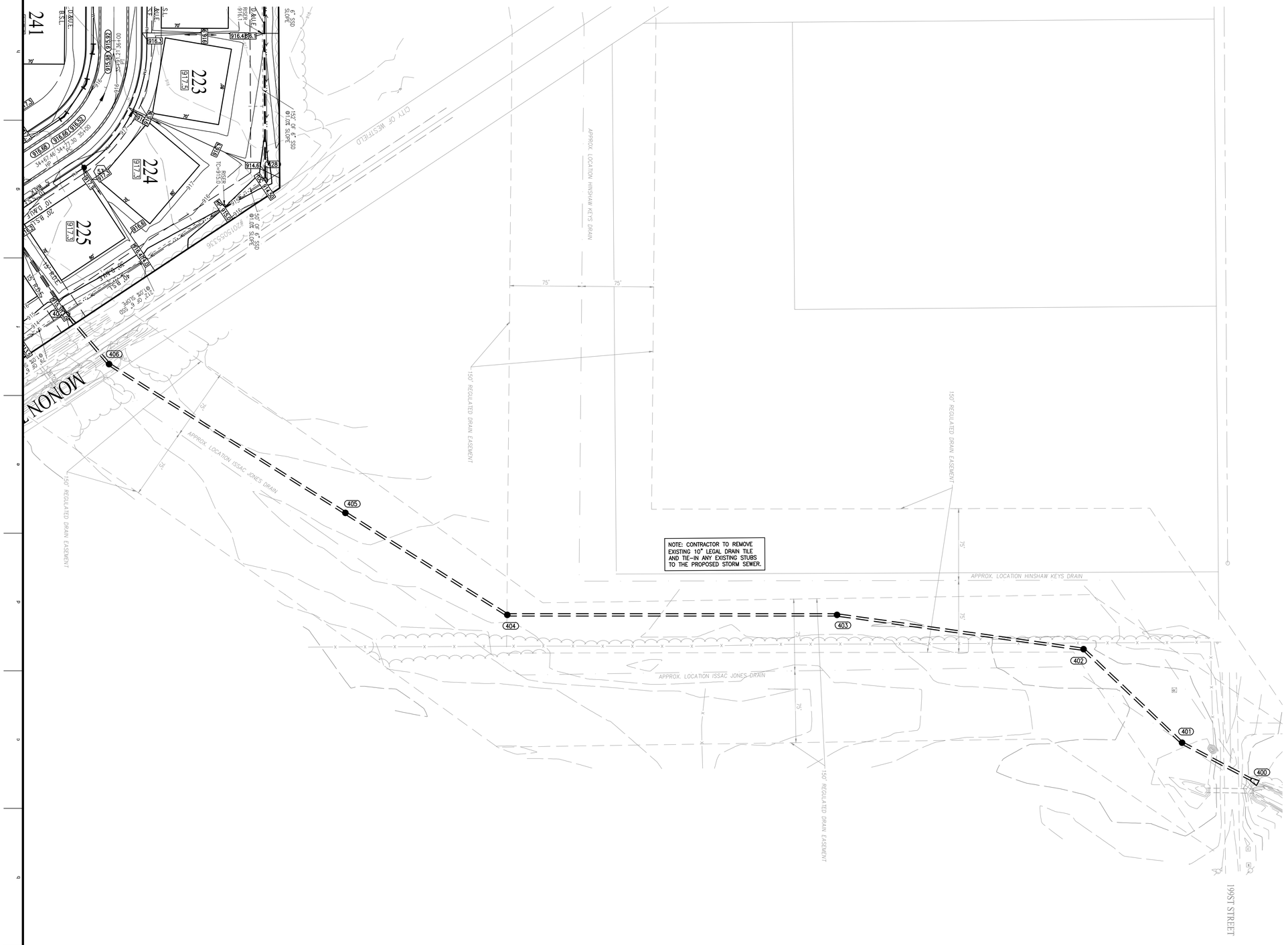
DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C305

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2001055\Section 1\Engineering\design\consef\C300 Development Plan.dwg
LAYOUT: C305
DATE/TIME: August 26, 2022 - 11:38am
PLOTTED BY: Allisha



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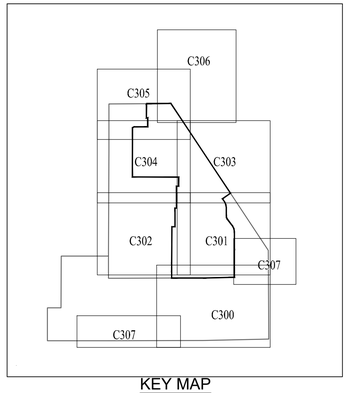
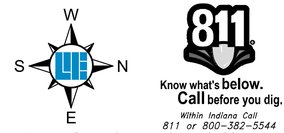


KEY MAP



SCALE: 1" = 50'

0 25 50 100

811

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317 | 843 - 0546 *fax*

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PROJECT NO:	W20.0155-1
DWG NAME:	C300 Development Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

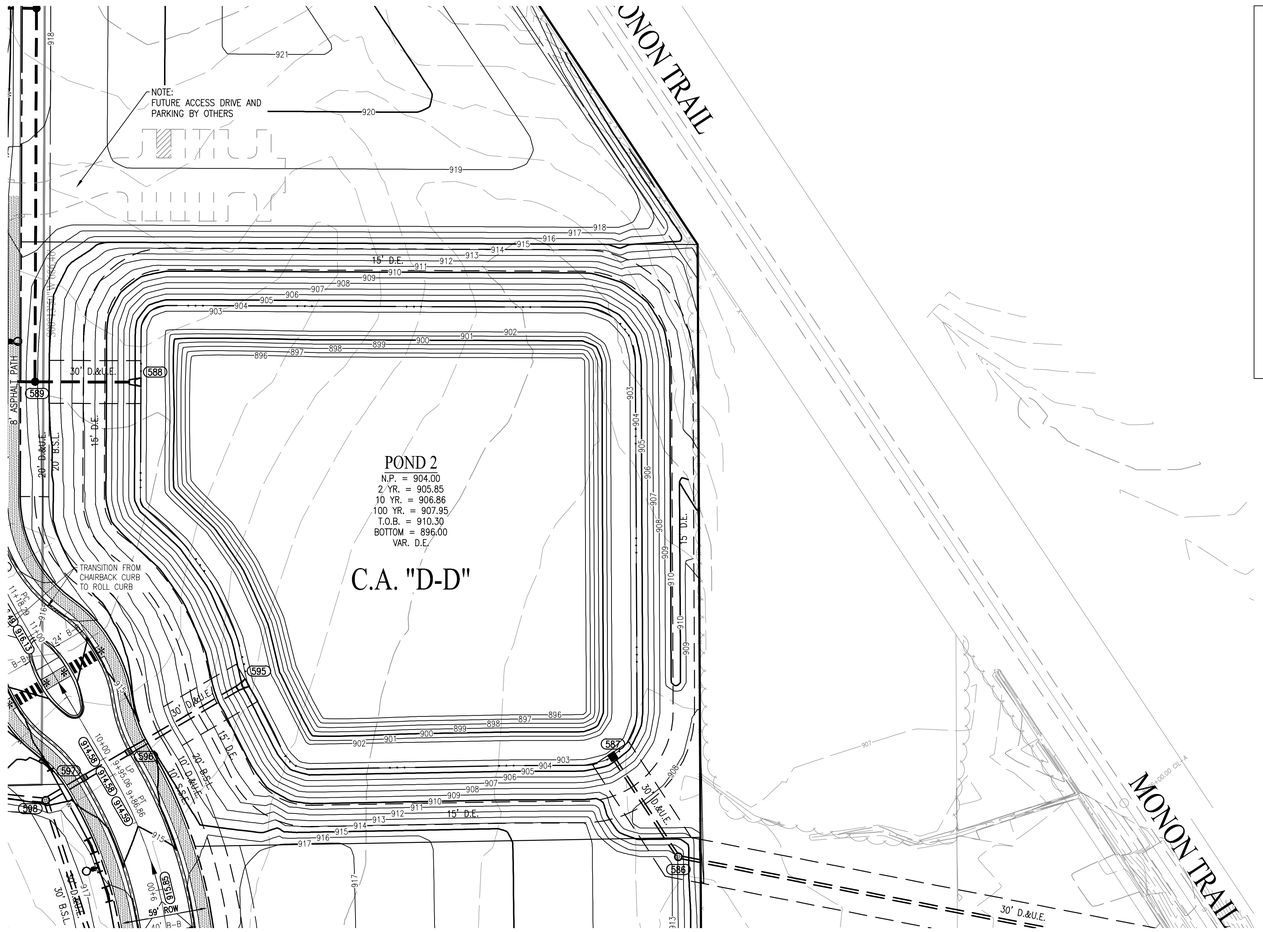
REGULATED DRAIN RECONSTRUCTION

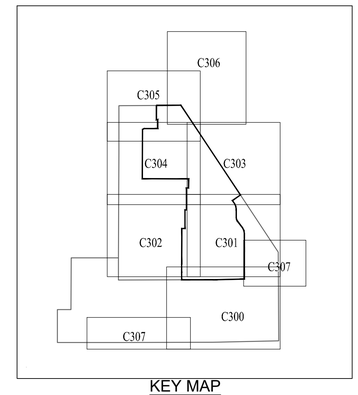
Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C306

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2001055\Section 1\Engineering\designcomset\C300 Development Plan.dwg
LAYOUT: C306
DATE/TIME: August 26, 2022 - 11:37am
PLOTTED BY: Allen Weihe





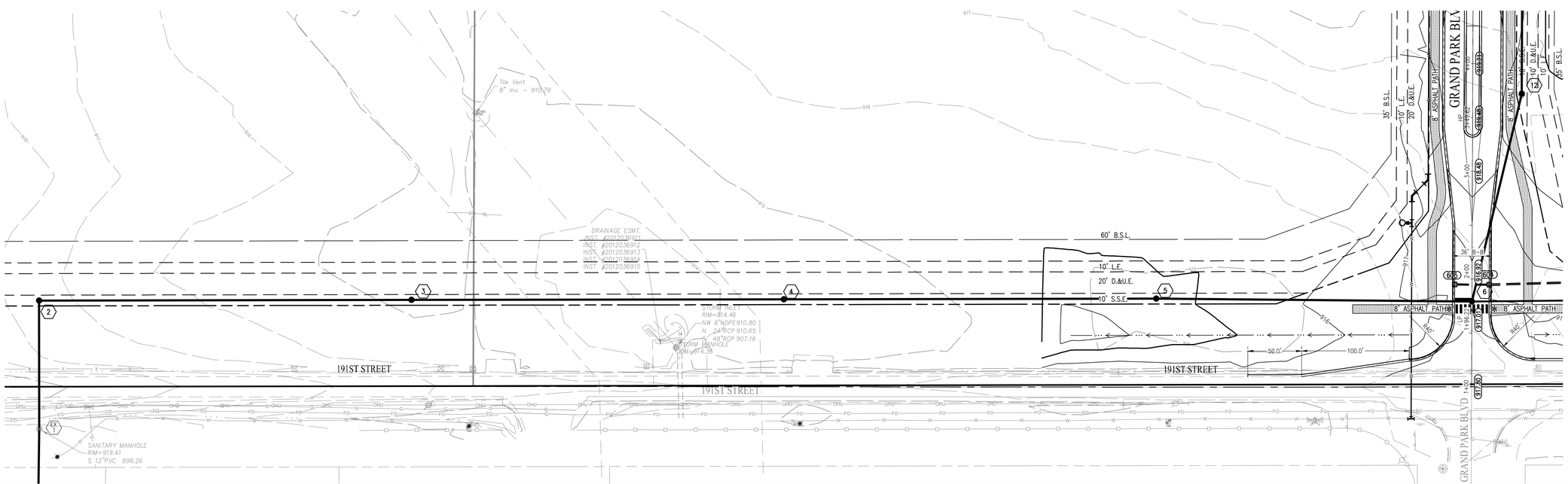
KEY MAP

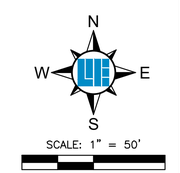
GENERAL GRADING NOTES

1. REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION, FOR BASIC MATERIALS AND CONSTRUCTION METHODS.
2. FILL MATERIAL SHALL CONSIST OF SOIL OBTAINED FROM CUT AREAS. BORROW PITS OR OTHER APPROVED SOURCES. SOIL SHALL BE FREE FROM ORGANIC MATTER, LARGE ROCKS AND OTHER DELETERIOUS SUBSTANCES. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION, PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TESTS SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS. THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH INDOT SECTION 211.
3. MAXIMUM LAWN SLOPE IS 3:1.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES AND OTHER FACILITIES IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
5. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
6. COMPACTED "B" BORROW BACK FILL REQ'D. OVER ALL UTILITIES IN PAVED AREAS.
7. ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
8. ANY PART OF SANITARY / STORM SEWER AND WATER MAIN TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
9. ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
10. THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF SOIL IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVING OR IMPORTING OF SOIL.
11. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
12. CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES, WATER MAIN, AND STORM SEWERS IS 18" OR LESS.
13. GRANULAR BACKFILL TO BE USED FOR ALL UTILITY AND SEWER - STREET CROSSINGS.
14. ALL PROPOSED CURB TO BE ROLL CURB UNLESS NOTED OTHERWISE.
15. ALL 6" SSD TO BE DOUBLE WALL, GASKETED SMOOTH BORE, DRAIN TILE.

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	SANITARY SEWER LATERAL
W	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
000.0	=	PROPOSED ELEVATION
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
860.4	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
*	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH





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REVISIONS AND ISSUES	DATE	BY

PROJECT NO: W20.0155-1
DWG NAME: C300 Development Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022
DUANE A. SHARRER
REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

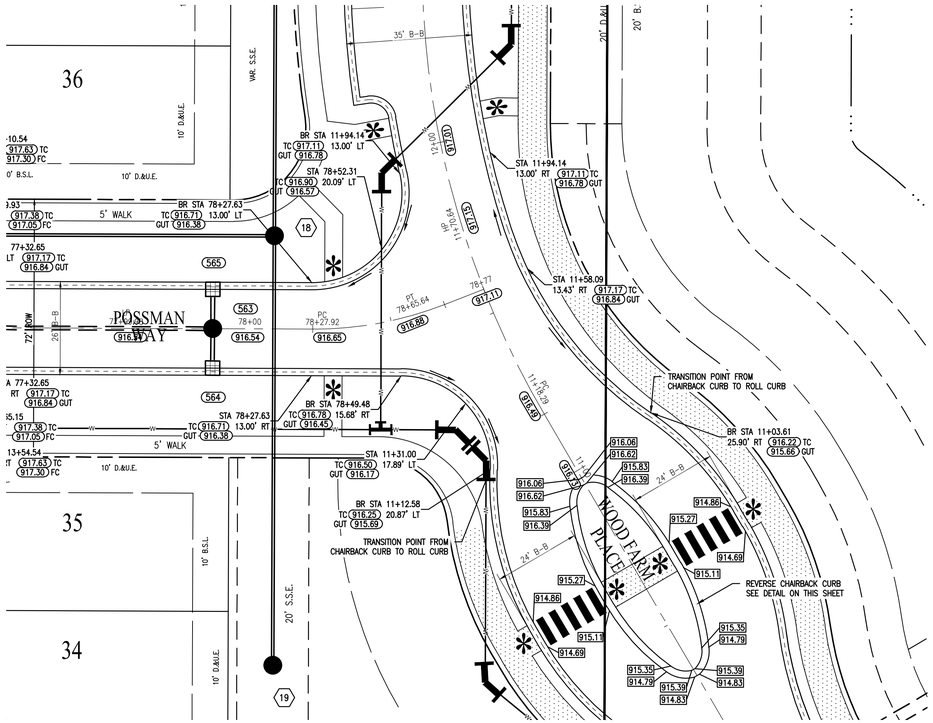
DEVELOPMENT PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

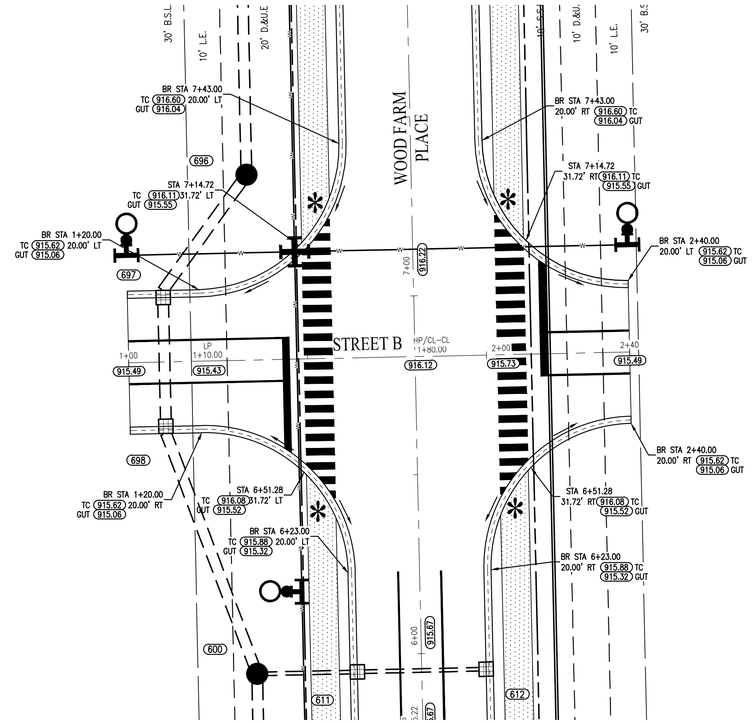
SHEET NO.
C307

PROJECT NO.
W20.0155-1

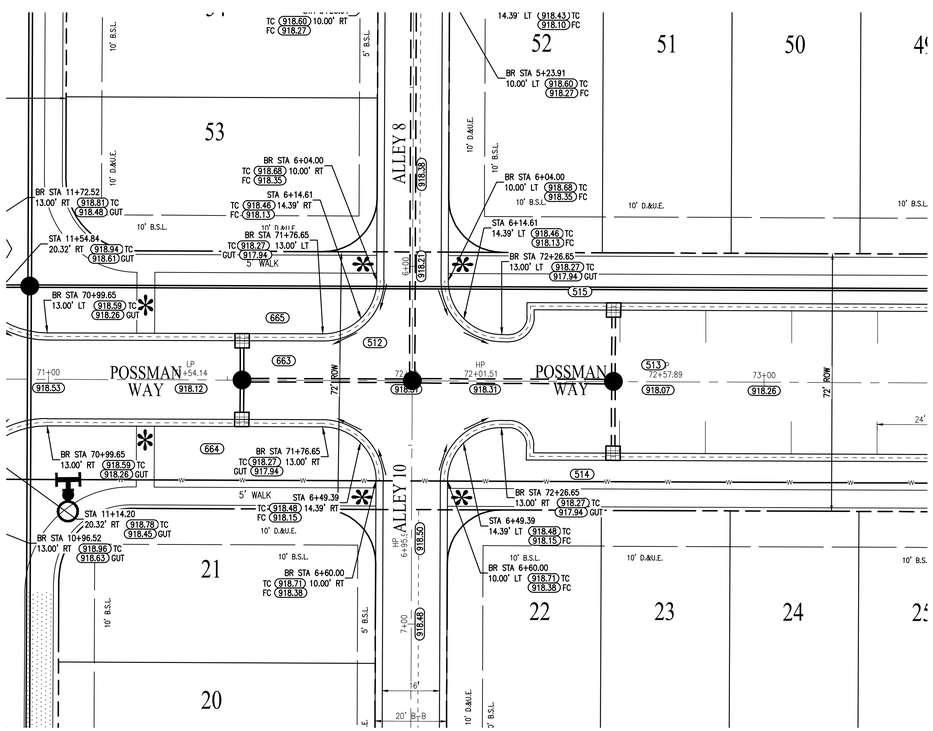
LOCATION: H:\2020\W20155\Section 16\Engineering\design\cross\C300 Development Plan.dwg
LAYOUT: C307
DATE/TIME: August 26, 2022 - 11:38am
PLOTTED BY: Melissa



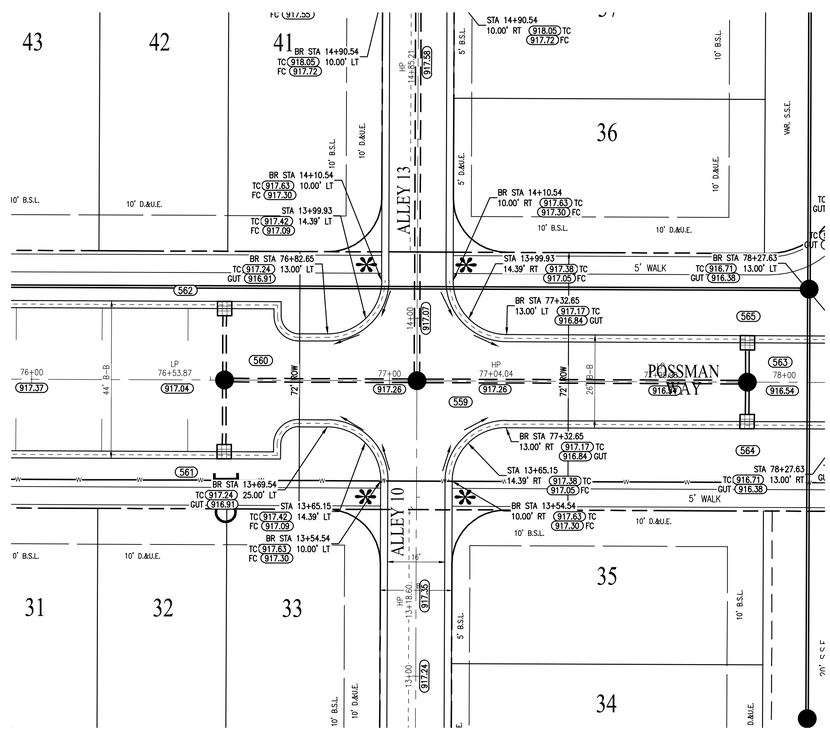
INTERSECTION DETAIL
WOOD FARM PLACE & POSSMAN WAY



INTERSECTION DETAIL
WOOD FARM PLACE & STREET B



INTERSECTION DETAIL
POSSMAN WAY & ALLEY 10 & ALLEY 8



INTERSECTION DETAIL
POSSMAN WAY & ALLEY 10 & ALLEY 13

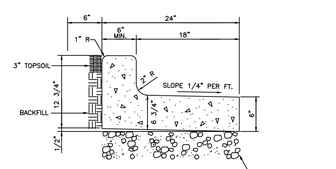
LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH
FC	=	FACE OF CURB

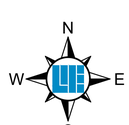
NOTES

1. STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.
2. ALL STREETS TO BE 31' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.
3. ALL RIGHTS-OF-WAY TO BE 59' IN WIDTH UNLESS OTHERWISE NOTED.
4. ALL CURB RADII AT INTERSECTIONS ARE 25' TO BACK OF CURB UNLESS OTHERWISE NOTED. ALLEY CURB RADII AT INTERSECTIONS TO BE 15' TO BACK OF CURB.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.
9. ALLEY TO BE 20' IN WIDTH MEASURED FROM B-B OF CURB.
10. ALLEY INGRESS/EGRESS EASEMENTS SHALL BE 20' IN WIDTH.

NOTES:
EXPANSION JOINTS ARE REQUIRED AT STORM INLETS.
CONTRACTION JOINTS SHOULD BE INSTALLED AT 10' SPACINGS.
SPACING SHALL BE 5' ON CURVE RADII.
CONTRACTION JOINTS SHALL BE TOOLED OR SAWN IN CONTINUOUSLY POURED CURBS TO A DEPTH OF 1/2" MIN.



COMBINED CONCRETE CURB & GUTTER TYPE II
FOR CURBING IN ENTRANCE ISLAND
DRY TYPE (NO SCALE)



SCALE: 1" = 20'
0 10 20 40

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PROJECT NO:	W20.0155-1
DWG NAME:	C413 Intersection Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER
REGISTERED No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

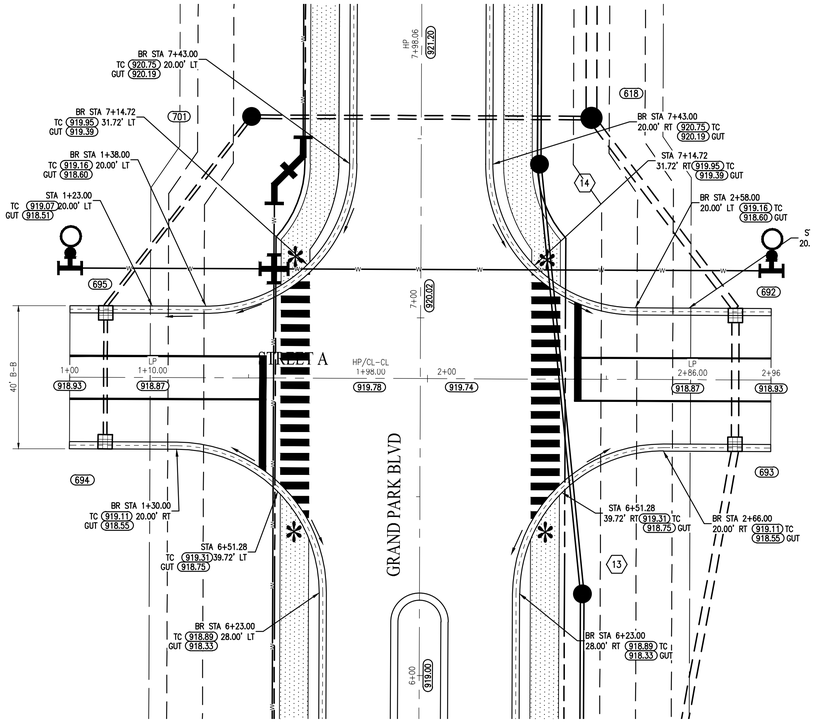
INTERSECTION DETAILS

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

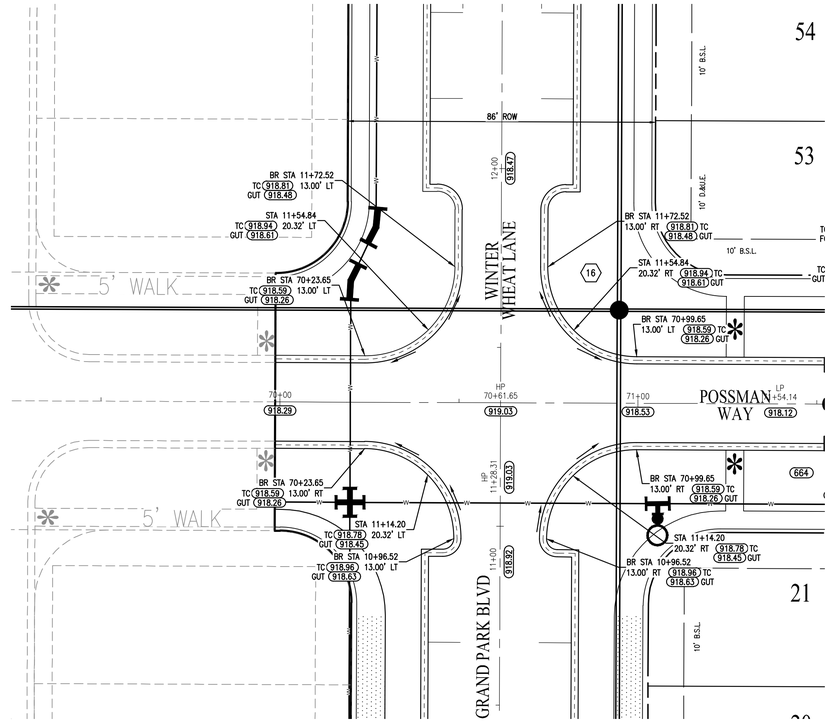
SHEET NO.
C413

PROJECT NO.
W20.0155-1

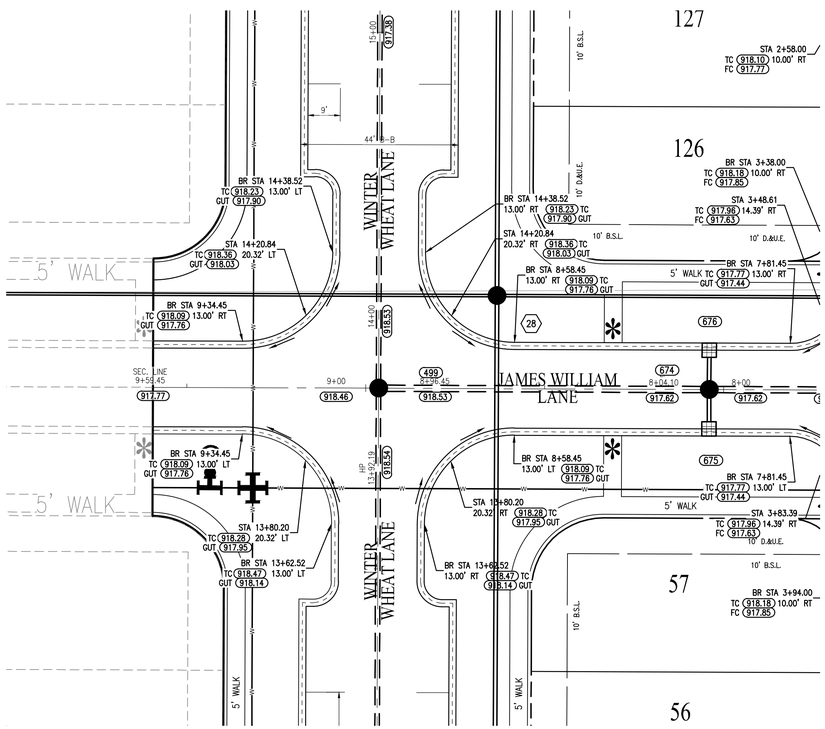
LOCATION: H:\2020\W2001155\Section 1\Engineering\design\consent\C413 Intersection Detail.dwg
LAYOUT: C413
DATETIME: August 26, 2022 - 12:01pm
PLOTTED BY: Mike Men



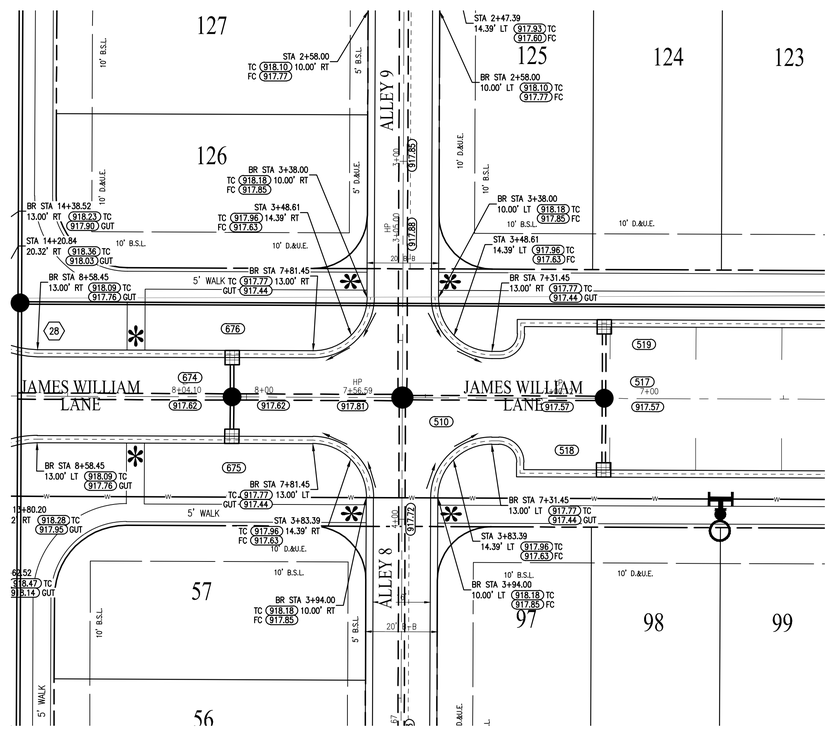
INTERSECTION DETAIL
GRAND PARK BLVD & STREET A



INTERSECTION DETAIL
POSSMAN WAY & GRAND PARK BLVD & WINTER WHEAT LANE



INTERSECTION DETAIL
WINTER WHEAT LANE & JAMES WILLIAM LANE



INTERSECTION DETAIL
JAMES WILLIAM LANE & ALLEY 8 & ALLEY 9

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH
FC	=	FACE OF CURB

NOTES

1. STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.
2. ALL STREETS TO BE 31' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.
3. ALL RIGHTS-OF-WAY TO BE 59' IN WIDTH UNLESS OTHERWISE NOTED.
4. ALL CURB RADII AT INTERSECTIONS ARE 25' TO BACK OF CURB UNLESS OTHERWISE NOTED. ALLEY CURB RADII AT INTERSECTIONS TO BE 15' TO BACK OF CURB.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.
9. ALLEY TO BE 20' IN WIDTH MEASURED FROM B-B OF CURB.
10. ALLEY INGRESS/EGRESS EASEMENTS SHALL BE 20' IN WIDTH.

N
W E
S
SCALE: 1" = 20'
0 10 20 40

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PROJECT NO.	W20.0155-1
DWG NAME:	C413 Intersection Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

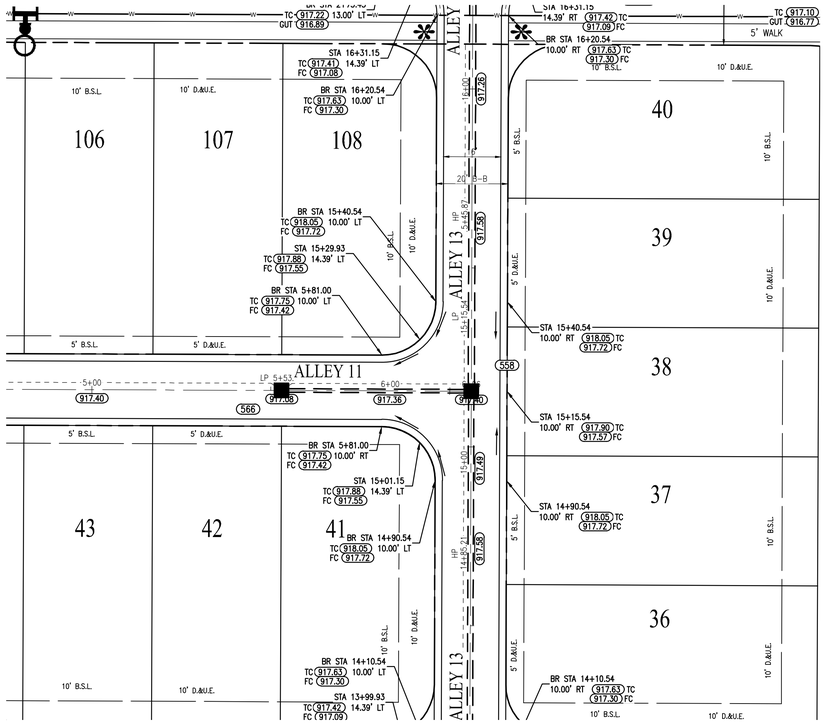
INTERSECTION DETAILS

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

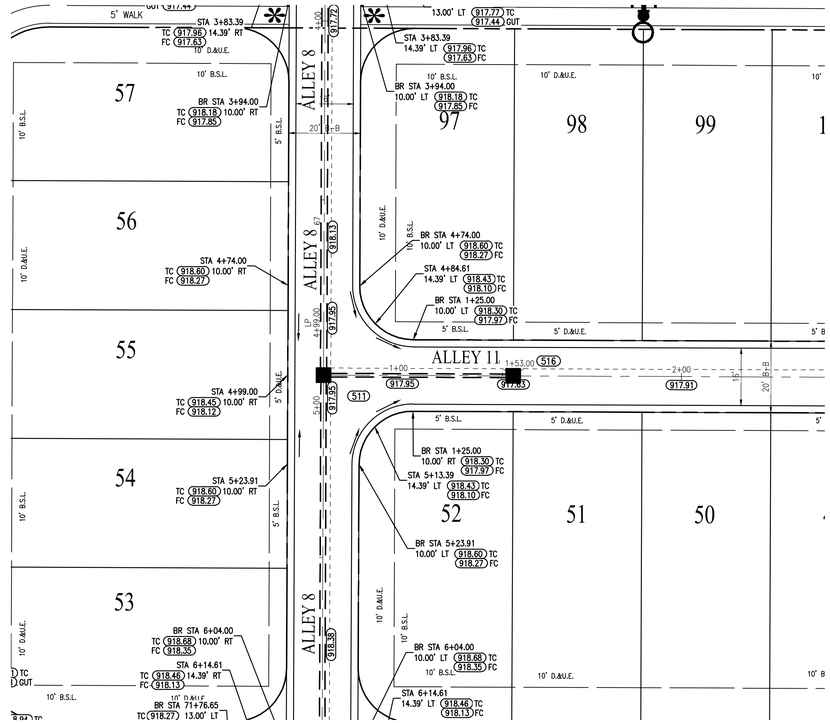
SHEET NO.
C414

PROJECT NO.
W20.0155-1

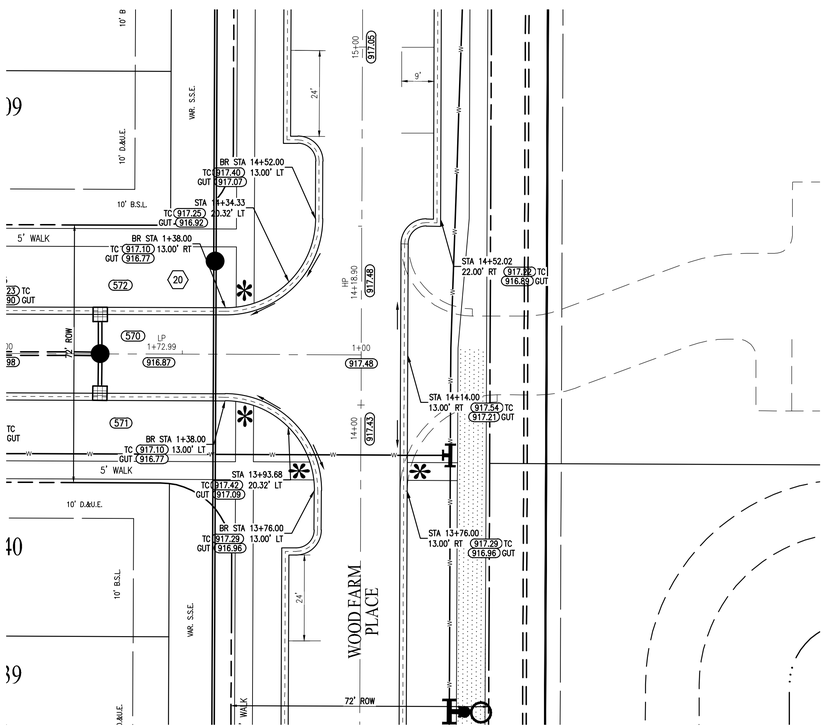
LOCATION: H:\2020\W2001155\Section 1\Engineering\design\consent\C413 Intersection Detail.dwg
LAYOUT: C414 - 1 - August 26, 2022 - 12:03pm
DATETIME: August 26, 2022 - 12:03pm
PLOTTED BY: Matthew



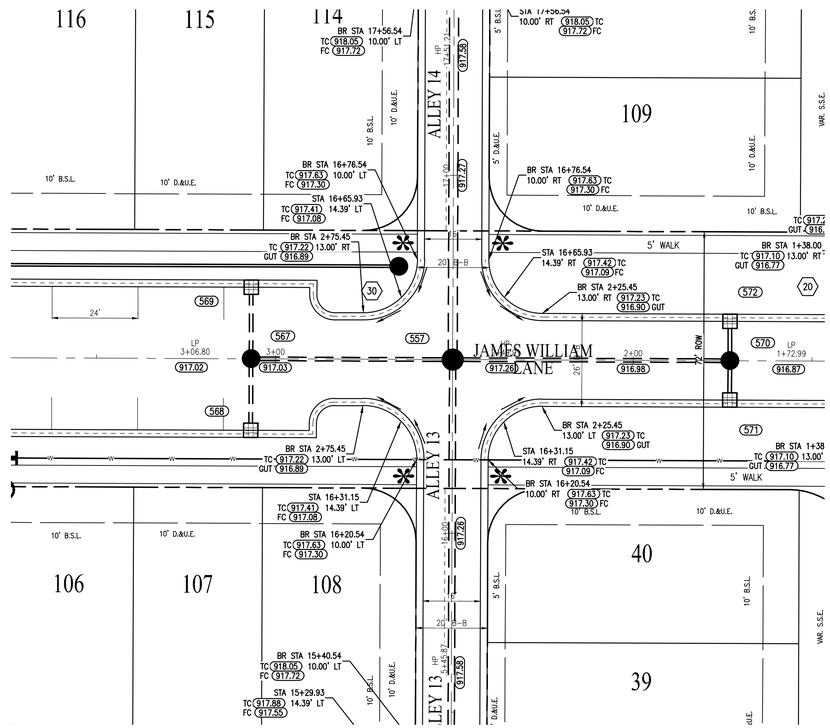
INTERSECTION DETAIL
ALLEY 11 & ALLEY 13



INTERSECTION DETAIL
ALLEY 8 & ALLEY 11



INTERSECTION DETAIL
JAMES WILLIAM LANE & WOOD FARM PLACE



INTERSECTION DETAIL
JAMES WILLIAM LANE & ALLEY 13 & ALLEY 14

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH
FC	=	FACE OF CURB

NOTES

1. STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.
2. ALL STREETS TO BE 31' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.
3. ALL RIGHTS-OF-WAY TO BE 59' IN WIDTH UNLESS OTHERWISE NOTED.
4. ALL CURB RADII AT INTERSECTIONS ARE 25' TO BACK OF CURB UNLESS OTHERWISE NOTED. ALLEY CURB RADII AT INTERSECTIONS TO BE 15' TO BACK OF CURB.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.
9. ALLEY TO BE 20' IN WIDTH MEASURED FROM B-B OF CURB.
10. ALLEY INGRESS/EGRESS EASEMENTS SHALL BE 20' IN WIDTH.

N
W E
S

SCALE: 1" = 20'
0 10 20 40

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317 | 843 - 0546 *fax*
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PROJECT NO.	W20.0155-1
DWG NAME:	C413 Intersection Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

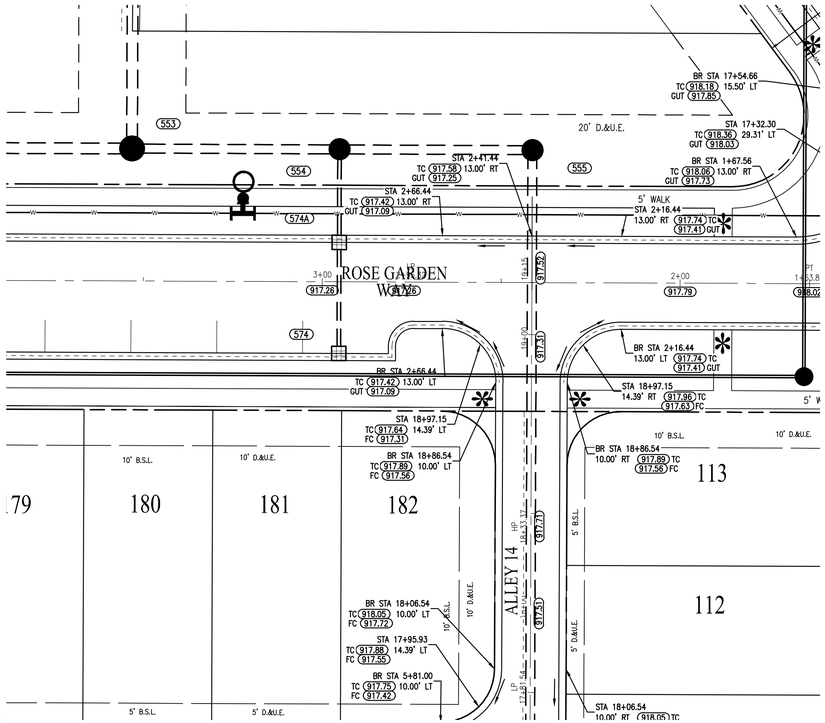
INTERSECTION DETAILS

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

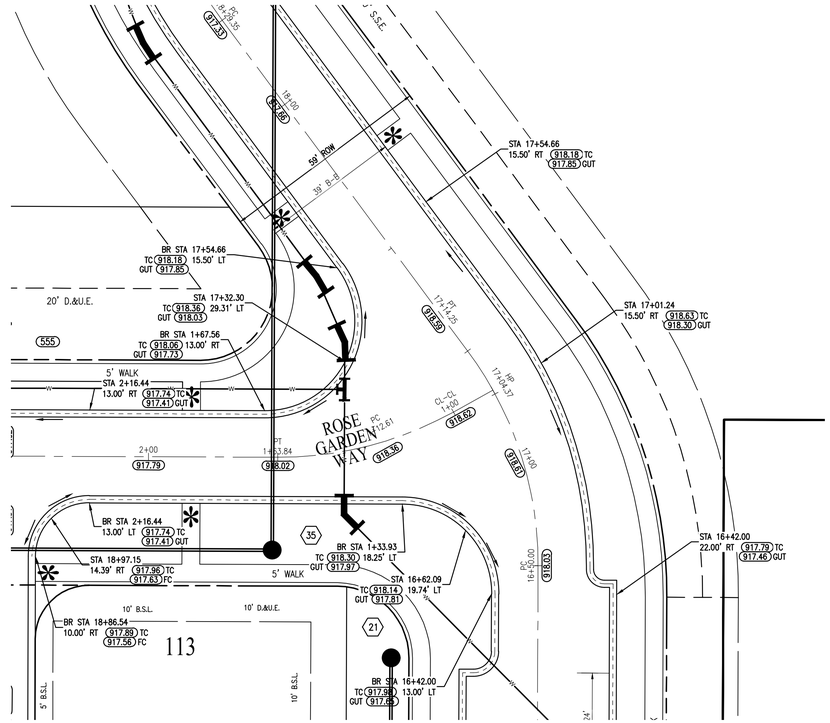
SHEET NO.
C415

PROJECT NO.
W20.0155-1

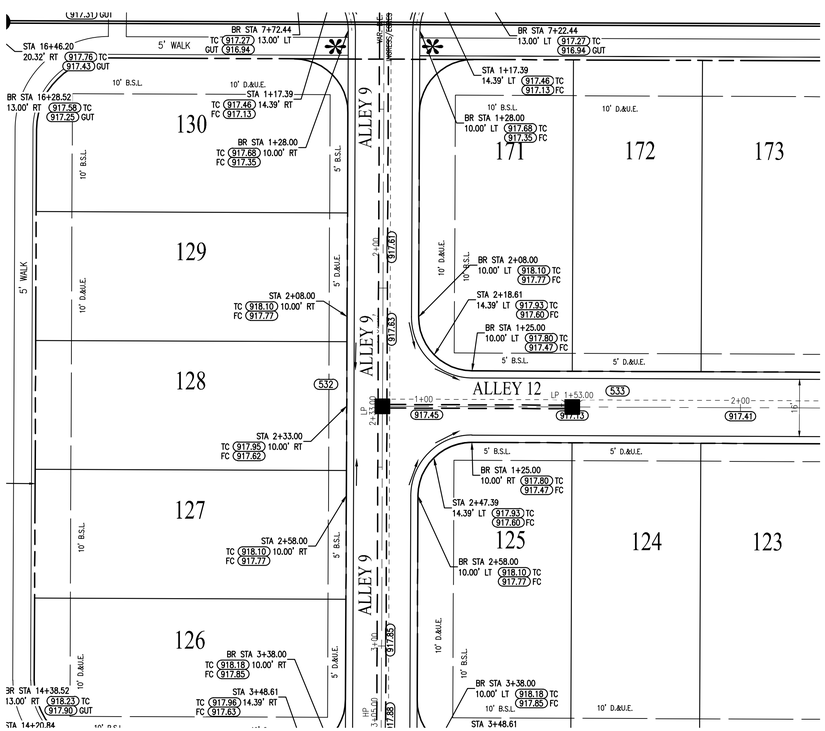
LOCATION: H:\2020\W2001155\Section 1\Engineering\design\consent\C413 Intersection Detail.dwg
LAYOUT: C415 - August 26, 2022 - 12:04pm
DATETIME: August 26, 2022 - 12:04pm
PLOTTED BY: Allen Weihe



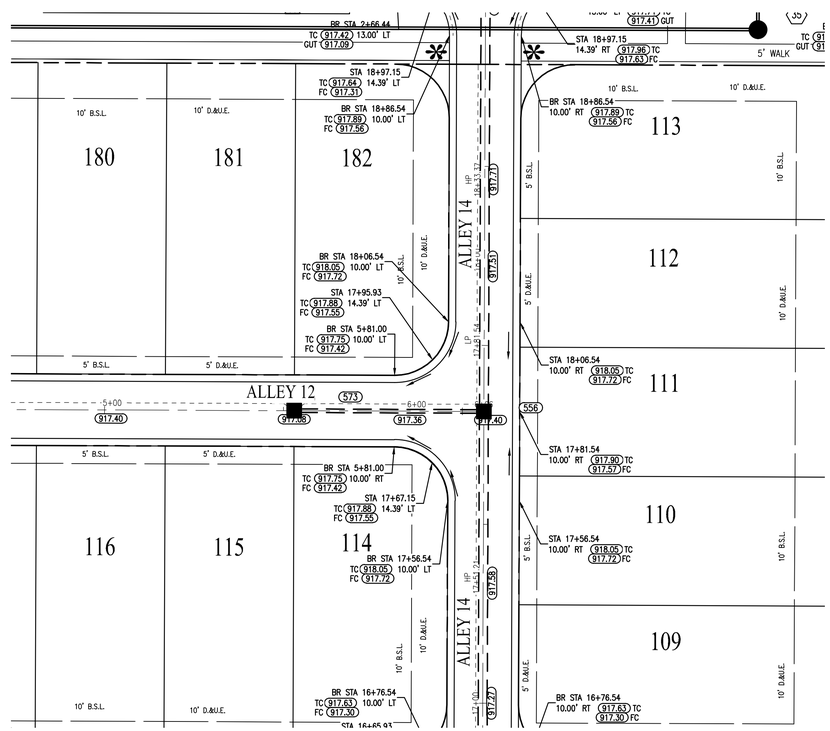
INTERSECTION DETAIL
ROSE GARDEN WAY & ALLEY 14



INTERSECTION DETAIL
WOOD FARM PLACE & ROSE GARDEN WAY



INTERSECTION DETAIL
ALLEY 9 & ALLEY 12



INTERSECTION DETAIL
ALLEY 12 & ALLEY 14

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH
FC	=	FACE OF CURB

NOTES

1. STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.
2. ALL STREETS TO BE 31' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.
3. ALL RIGHTS-OF-WAY TO BE 59' IN WIDTH UNLESS OTHERWISE NOTED.
4. ALL CURB RADII AT INTERSECTIONS ARE 25' TO BACK OF CURB UNLESS OTHERWISE NOTED. ALLEY CURB RADII AT INTERSECTIONS TO BE 15' TO BACK OF CURB.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
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7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.
9. ALLEY TO BE 20' IN WIDTH MEASURED FROM B-B OF CURB.
10. ALLEY INGRESS/EGRESS EASEMENTS SHALL BE 20' IN WIDTH.

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Indianapolis, Indiana 46280
weihe.net

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317 | 843 - 0546 *fax*

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REVISIONS AND ISSUES	BY	DATE
APPROVAL PENDING NOT FOR CONSTRUCTION		08/26/2022

PROJECT NO: W20.0155-1
DWG NAME: C413 Intersection Detail
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

INTERSECTION DETAILS

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SCALE: 1" = 20'

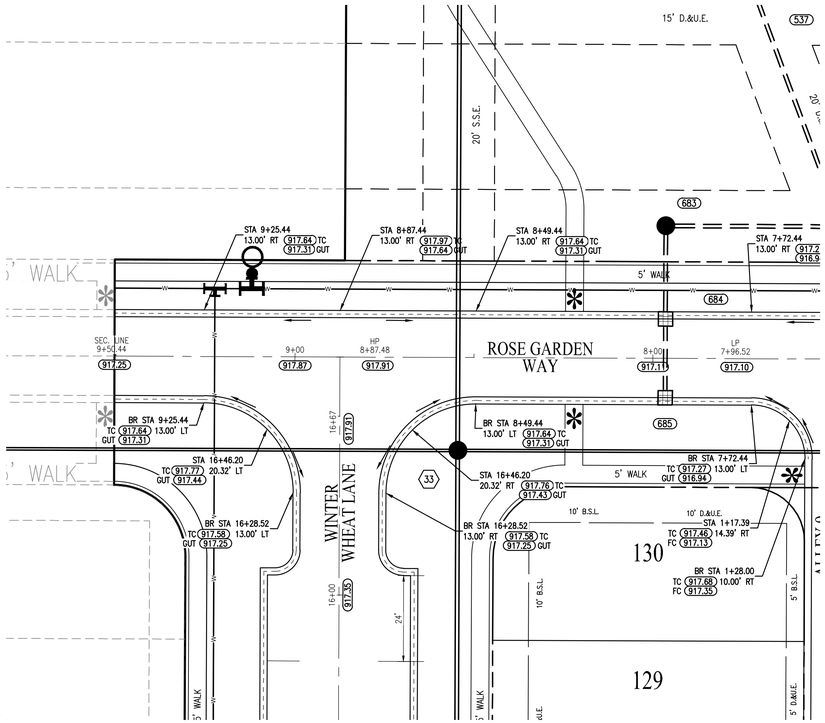
0 10 20 40

Know what's **below.** **Call** before you dig.
Within Indiana Call 811 or 800-382-5544
24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE, TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

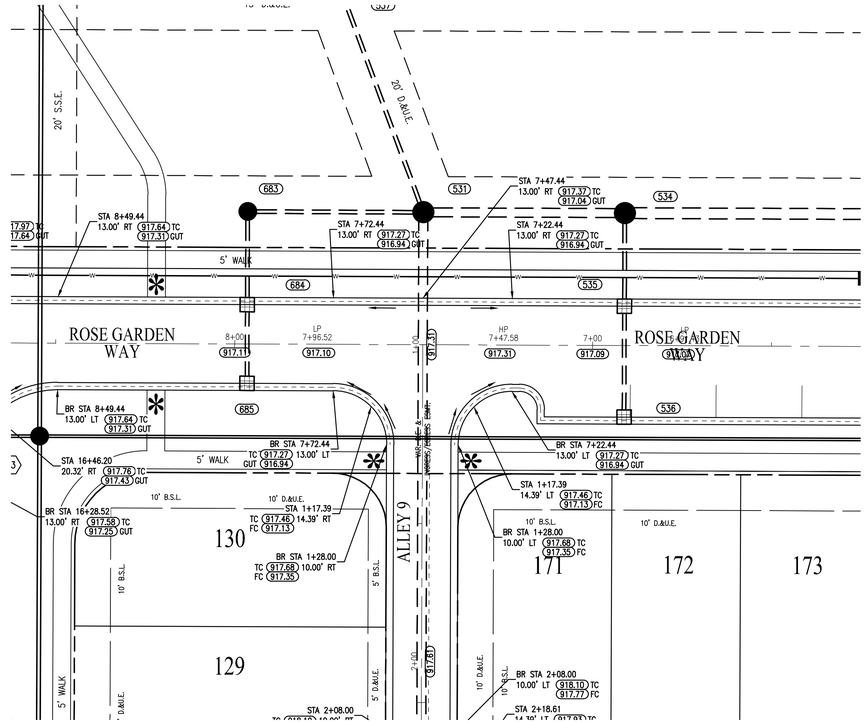
SHEET NO.
C416

PROJECT NO.
W20.0155-1

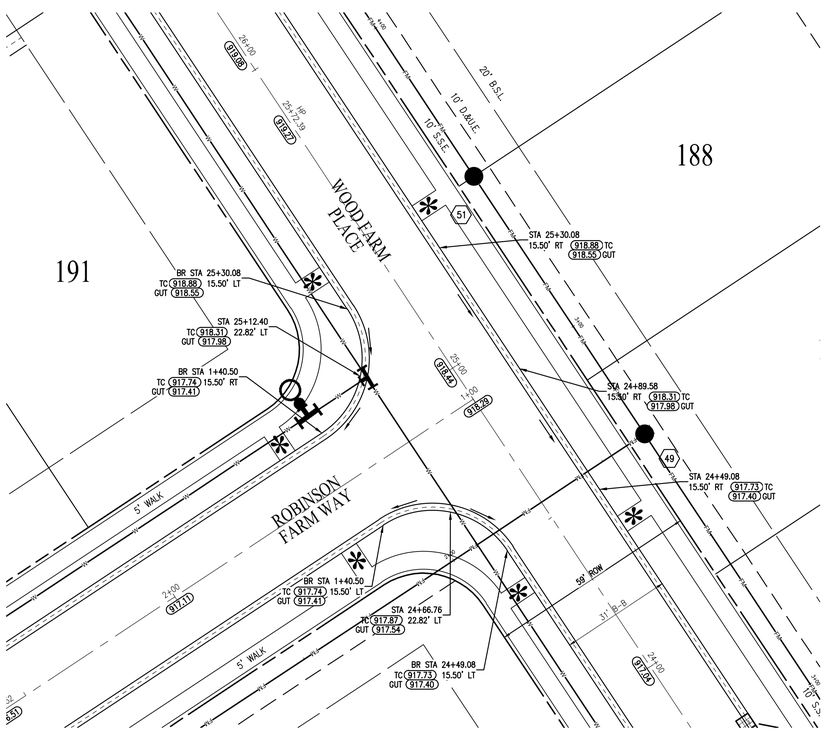
LOCATION: H:\2020\W20\0155\Section 1\Engineering\design\construct\C413 Intersection Detail.dwg
LAYOUT: C416 - Details
DATETIME: August 26, 2022 - 12:06pm
PLOTTED BY: Matthew



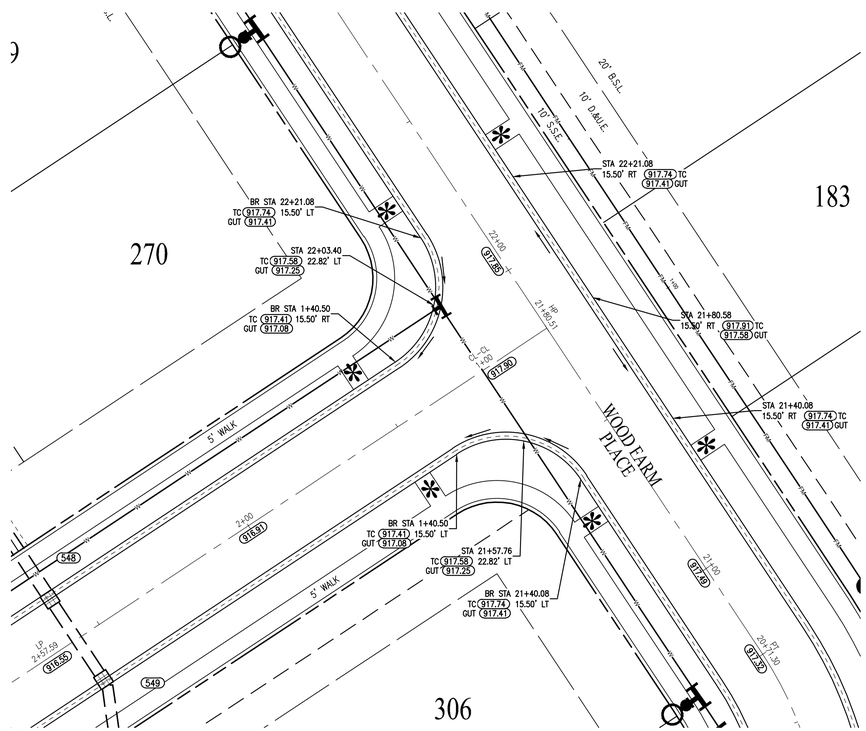
INTERSECTION DETAIL
ROSE GARDEN WAY & WINTER WHEAT LANE



INTERSECTION DETAIL
ROSE GARDEN WAY & ALLEY 9



INTERSECTION DETAIL
WOOD FARM PLACE & ROBINSON FARM WAY



INTERSECTION DETAIL
WOOD FARM PLACE & LEILA MAE LANE

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SW/ALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV.
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH
FC	=	FACE OF CURB

NOTES

1. STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.
2. ALL STREETS TO BE 31' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.
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7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.
9. ALLEY TO BE 20' IN WIDTH MEASURED FROM B-B OF CURB.
10. ALLEY INGRESS/EGRESS EASEMENTS SHALL BE 20' IN WIDTH.

N
W E
S

SCALE: 1" = 20'

0 10 20 40

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PER INDIANA STATE LAW IC 8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE, TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

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PROJECT NO:	W20-155-1
DWG NAME:	C413 Intersection Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	BY	DATE
APPROVAL PENDING NOT FOR CONSTRUCTION		

08/26/2022
DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

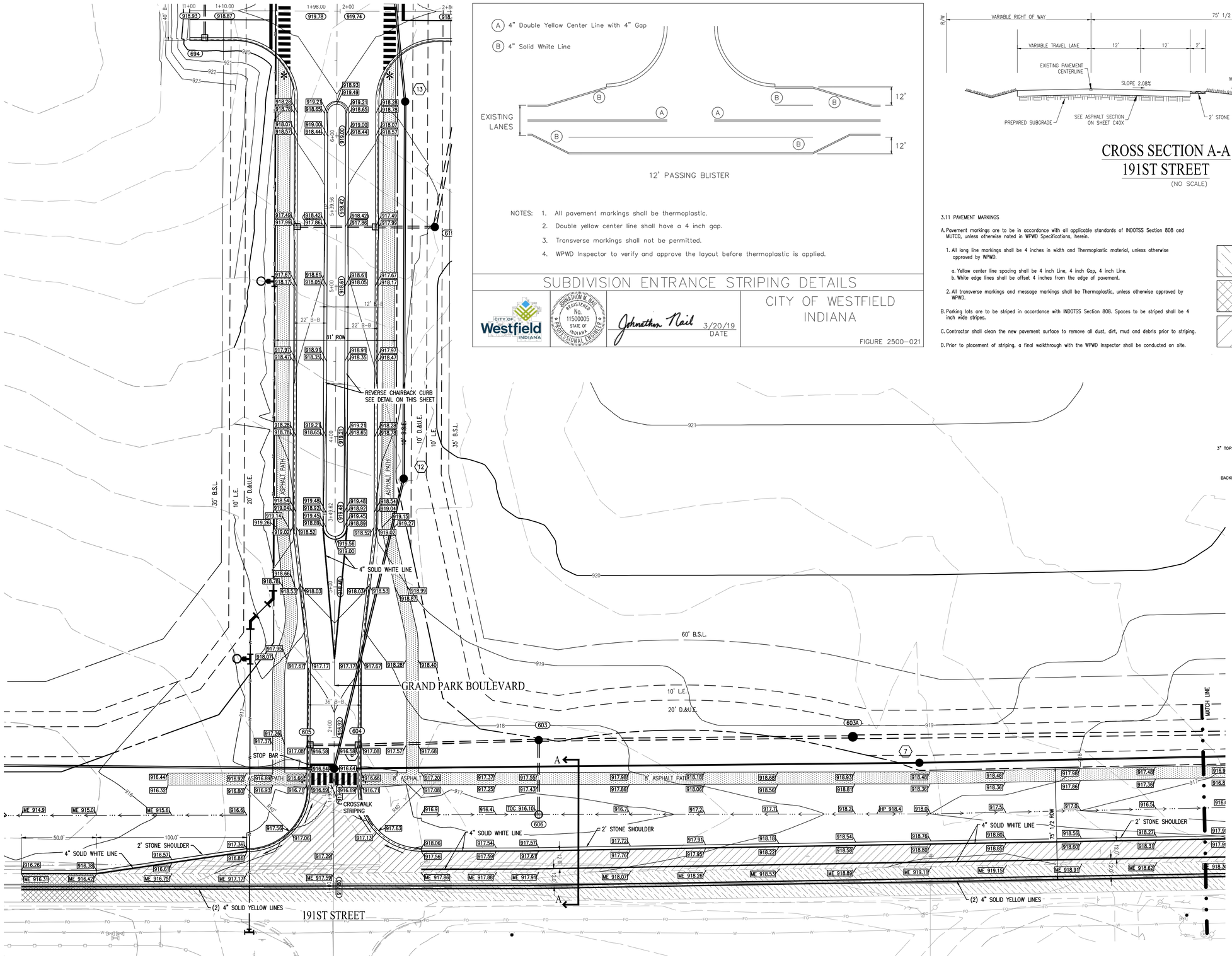
INTERSECTION DETAILS

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C417

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2015\Section 1\Engineering\design\consent\C413 Intersection Detail.dwg
LAYOUT: C417
DATETIME: August 26, 2022 - 12:07pm
PLOTTED BY: Mike Men



ENTRANCE PLAN
191ST STREET & GRAND PARK BOULEVARD

12' PASSING BLISTER

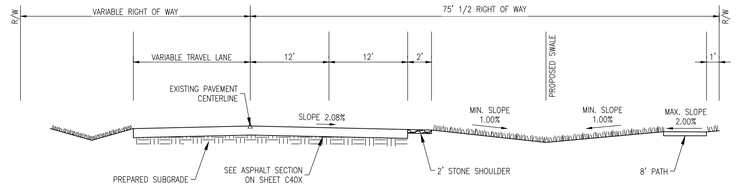
NOTES:
1. All pavement markings shall be thermoplastic.
2. Double yellow center line shall have a 4 inch gap.
3. Transverse markings shall not be permitted.
4. WPWD Inspector to verify and approve the layout before thermoplastic is applied.

SUBDIVISION ENTRANCE STRIPING DETAILS

CITY OF WESTFIELD INDIANA

Johnathon M. Nail 3/20/19
DATE

FIGURE 2500-021



CROSS SECTION A-A
191ST STREET
(NO SCALE)

3.11 PAVEMENT MARKINGS

A. Pavement markings are to be in accordance with all applicable standards of INDOTSS Section 808 and MUTCD, unless otherwise noted in WPWD Specifications, herein.

1. All long line markings shall be 4 inches in width and Thermoplastic material, unless otherwise approved by WPWD.

a. Yellow center line spacing shall be 4 inch Line, 4 inch Gap, 4 inch Line.
b. White edge lines shall be offset 4 inches from the edge of pavement.

2. All transverse markings and message markings shall be Thermoplastic, unless otherwise approved by WPWD.

B. Parking lots are to be striped in accordance with INDOTSS Section 808. Spaces to be striped shall be 4 inch wide stripes.

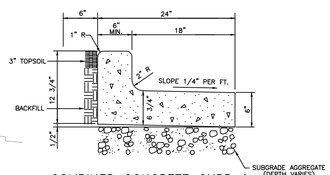
C. Contractor shall clean the new pavement surface to remove all dust, dirt, mud and debris prior to striping.

D. Prior to placement of striping, a final walkthrough with the WPWD Inspector shall be conducted on site.

LEGEND

- MILL AND RESURFACE PER CITY REQUIREMENTS
- TRANSITION MILL AND RESURFACE (50' MIN.) PER CITY REQUIREMENTS
- NEW PAVEMENT TO BE INSTALLED PER CITY REQUIREMENTS. SEE DETAIL "TYPICAL PAVEMENT SECTION – ARTERIAL" ON SHEET C40X.

NOTES:
EXPANSION JOINTS ARE REQUIRED AT STORM INLETS.
CONTRACTION JOINTS SHOULD BE INSTALLED AT 10' SPACINGS.
SPACING SHALL BE 5' ON CURVE RADII.
CONTRACTION JOINTS SHALL BE TOOLED OR SAWN IN CONTINUOUSLY POURED CURBS TO A DEPTH OF 1/2" MIN.



COMBINED CONCRETE CURB & GUTTER TYPE II
FOR CURBING IN ENTRANCE ISLAND
DRY TYPE (NO SCALE)

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	SANITARY SEWER LATERAL
W	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
000.0	=	PROPOSED ELEVATION
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
	=	PAD ELEV
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH

N W E S

SCALE: 1" = 30'
0 15 30 60

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PROJECT NO.	W20.0155-1
DWG NAME:	C418 Entrance Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	06-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

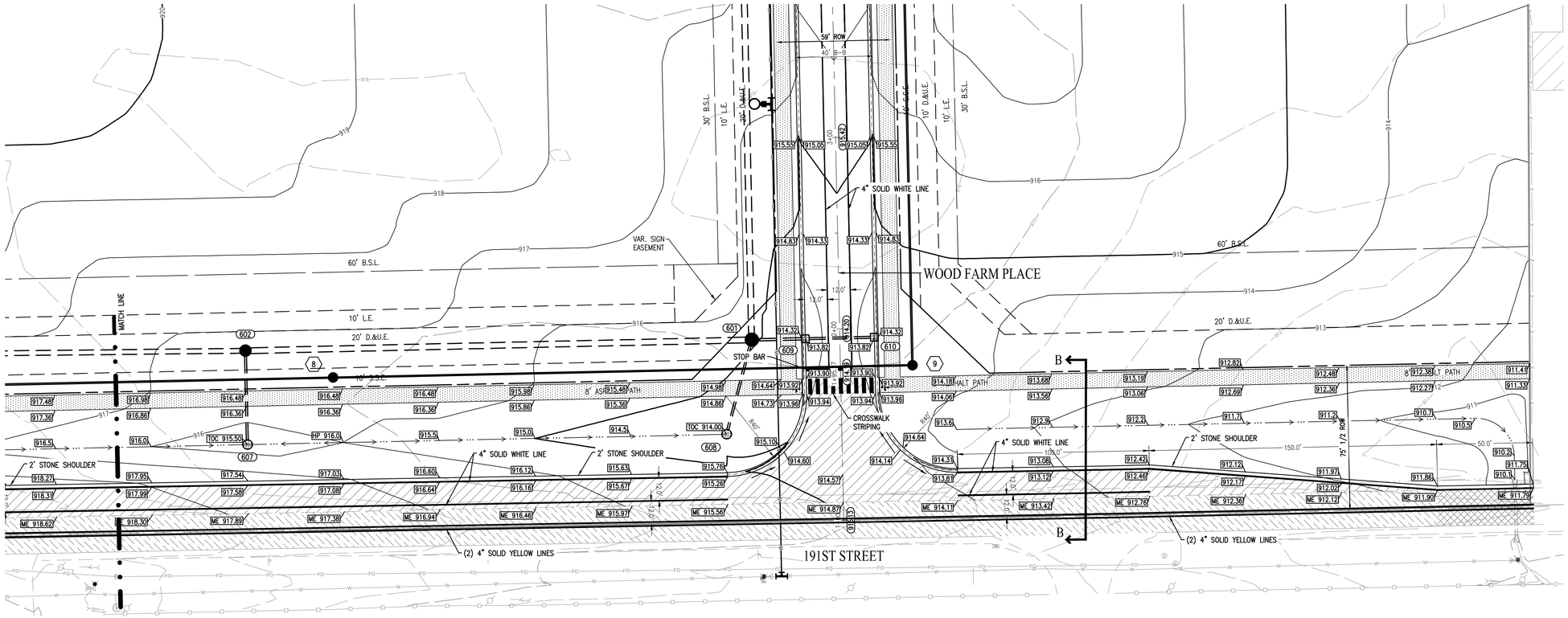
ENTRANCE DETAIL

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C418

PROJECT NO.
W20.0155-1

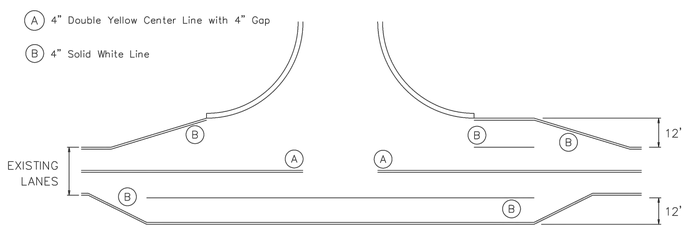
LOCATION: H:\2020\W2001955\Section 1\Engineering\design\consent\C418 Entrance Detail.dwg
LAYOUT: C418
DATE/TIME: August 26, 2022 - 12:15pm
PLOTTED BY: Melissa



ENTRANCE PLAN
191ST STREET & WOOD FARM PLACE

LEGEND

- RIGHT-OF-WAY LINE
- PROPOSED STORM SEWER LINE
- EXISTING STORM SEWER LINE
- SWALE
- SSD
- PROPOSED SANITARY SEWER LINE
- EXISTING SANITARY SEWER LINE
- SANITARY SEWER MANHOLE
- SANITARY SEWER LATERAL
- PROPOSED WATER LINE
- FLOW DIRECTION
- EXISTING CONTOURS
- PROPOSED ELEVATION
- STORM BEEHIVE INLET
- STORM INLET
- T.O.C. = TOP OF CASTING
- INV. = INVERT
- RCP = REINFORCED CONCRETE PIPE
- M.H. = MANHOLE
- STR. = STRUCTURE
- D.E. = DRAINAGE EASEMENT
- D.&U.E. = DRAINAGE AND UTILITY EASEMENT
- S.S.E. = SANITARY SEWER EASEMENT
- CONCRETE END SECTION
- ME = MATCH EXISTING
- TYP. = TYPICAL
- PROP. = PROPOSED
- EX. = EXISTING
- R. = RADIUS
- V.W. = VARIABLE WIDTH
- M.L.G = MINIMUM LOWEST ADJACENT GRADE
- ROW = RIGHT-OF-WAY
- B-B = BACK OF CURB
- PAD ELEV
- B.S.L. = BUILDING SETBACK LINE
- HP = HIGH POINT
- ADA RAMP
- FIRE HYDRANT
- PROPOSED 8' ASPHALT PATH



12' PASSING BLISTER

NOTES:
1. All pavement markings shall be thermoplastic.
2. Double yellow center line shall have a 4 inch gap.
3. Transverse markings shall not be permitted.
4. WPWD Inspector to verify and approve the layout before thermoplastic is applied.

SUBDIVISION ENTRANCE STRIPING DETAILS

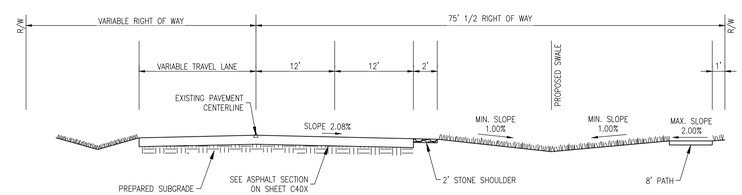
CITY OF Westfield INDIANA

JOHNATHON M. NEIL REGISTERED No. 11500005 STATE OF INDIANA PROFESSIONAL ENGINEER

Johnathon Neil 3/20/19 DATE

CITY OF WESTFIELD INDIANA

FIGURE 2500-021



CROSS SECTION B-B
191ST STREET
(NO SCALE)

3.11 PAVEMENT MARKINGS

A. Pavement markings are to be in accordance with all applicable standards of INDOTSS Section 808 and MUTCD, unless otherwise noted in WPWD Specifications, herein.

1. All long line markings shall be 4 inches in width and Thermoplastic material, unless otherwise approved by WPWD.

   a. Yellow center line spacing shall be 4 inch Line, 4 inch Gap, 4 inch Line.
   b. White edge lines shall be offset 4 inches from the edge of pavement.

2. All transverse markings and message markings shall be Thermoplastic, unless otherwise approved by WPWD.

B. Parking lots are to be striped in accordance with INDOTSS Section 808. Spaces to be striped shall be 4 inch wide stripes.

C. Contractor shall clean the new pavement surface to remove all dust, dirt, mud and debris prior to striping.

D. Prior to placement of striping, a final walkthrough with the WPWD Inspector shall be conducted on site.

LEGEND

- MILL AND RESURFACE PER CITY REQUIREMENTS
- TRANSITION MILL AND RESURFACE (50' MIN.) PER CITY REQUIREMENTS
- NEW PAVEMENT TO BE INSTALLED PER CITY REQUIREMENTS. SEE DETAIL "TYPICAL PAVEMENT SECTION – ARTERIAL" ON SHEET C40X.

N W E S

SCALE: 1" = 30'
0 15 30 60

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317 | 843 - 0546 fax
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PROJECT NO:	W20.0155-1
DWG NAME:	C418 Entrance Detail
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

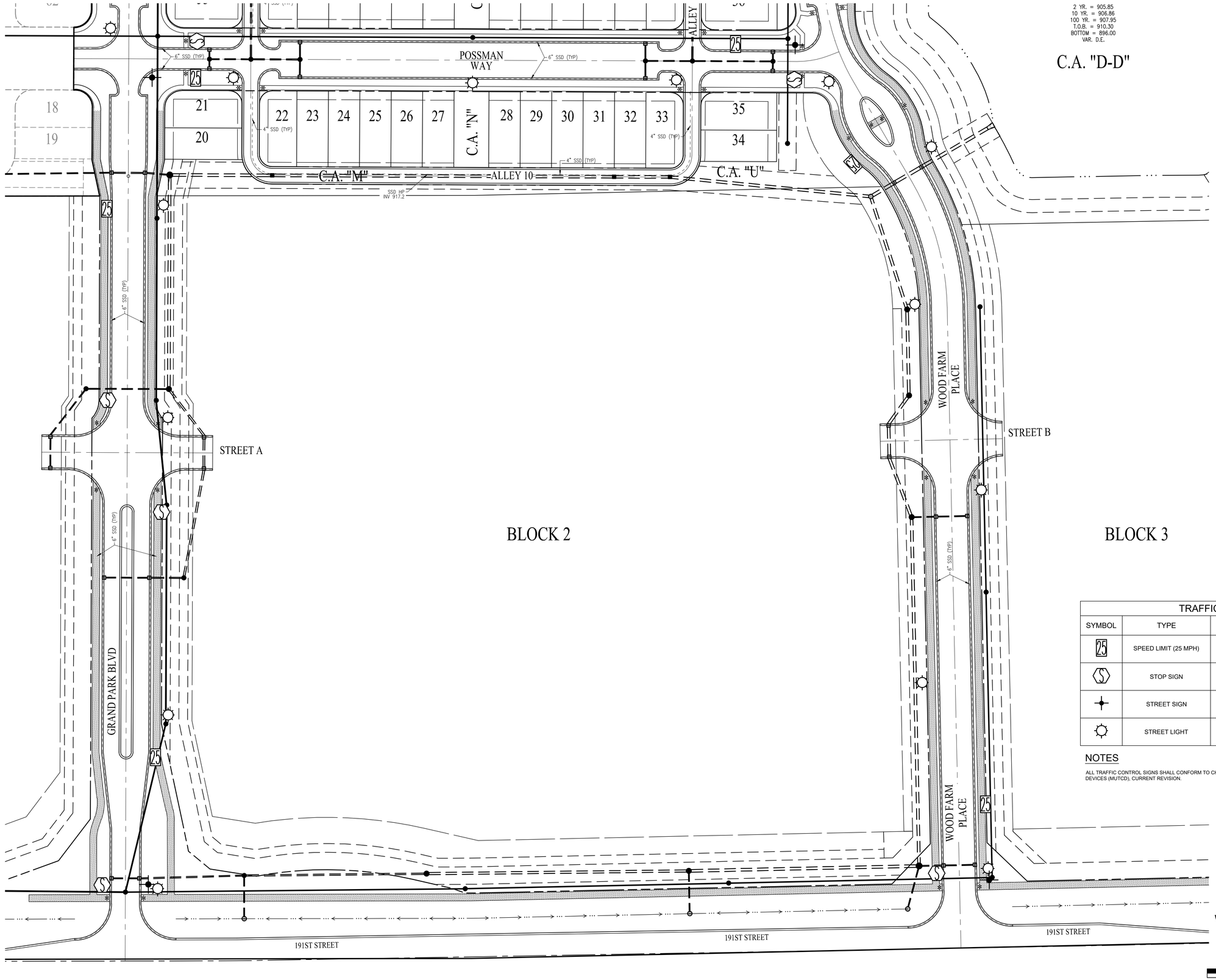
ENTRANCE DETAIL

Part of the SE¼ of Section 22, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. C419

PROJECT NO. W20.0155-1

LOCATION: H:\2020\W2015\55\Section 1\Engineering\design\consent\C418 Entrance Detail.dwg
LAYOUT: C419
DATETIME: August 26, 2022 - 12:11pm
PLOTTED BY: Allen



LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT

TRAFFIC LEGEND

SYMBOL	TYPE	SPECIFICATION	QUANTITY
25	SPEED LIMIT (25 MPH)	FIG, P-15D	18
S	STOP SIGN	R1-1	13
	STREET SIGN	FIG, P-15D	10
	STREET LIGHT	SEE DETAIL	35

NOTES

ALL TRAFFIC CONTROL SIGNS SHALL CONFORM TO CHAPTER 2 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT REVISION.

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PROJECT NO.: W20.0155-1
DWG NAME: C423 Traffic Control and SSD Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES | DATE | BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

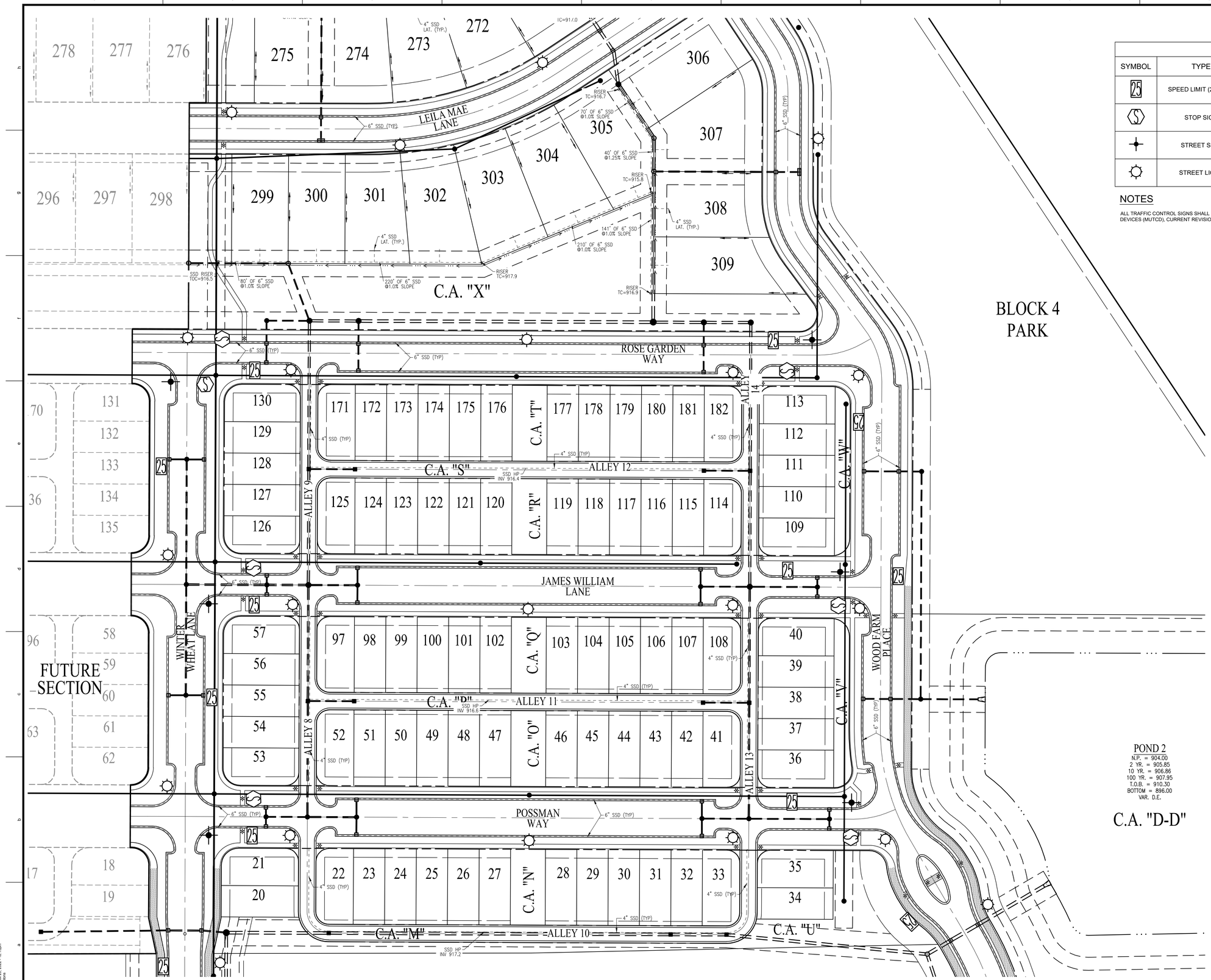
TRAFFIC CONTROL, SIGNAGE AND SSD PLAN

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. C423

PROJECT NO. W20.0155-1

LOCATION: H:\2020\W20.0155\Section 1\Engineering\design\conset\C423 Traffic Control and SSD Plan.dwg
LAYOUT: C423
DATE/TIME: August 26, 2022 - 12:12pm
PLOTTED BY: sfatona



TRAFFIC LEGEND			
SYMBOL	TYPE	SPECIFICATION	QUANTITY
25	SPEED LIMIT (25 MPH)	FIG, P-15D	18
S	STOP SIGN	R1-1	13
	STREET SIGN	FIG, P-15D	10
	STREET LIGHT	SEE DETAIL	35

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LEGEND

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D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT

N
W E
S

SCALE: 1" = 50'

0 25 50 100

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PROJECT NO.: W20.0155-1
DWG NAME: C423 Traffic Control and SSD Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES | DATE | BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022

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DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

TRAFFIC CONTROL, SIGNAGE AND SSD PLAN

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. C424

PROJECT NO. W20.0155-1

LOCATION: H:\2020\W20015\Section 1\Engineering\design\conset\C423 Traffic Control and SSD Plan.dwg
LAYOUT: C424
DATE/TIME: August 26, 2022 - 12:13pm
PLOTTED BY: ddabbs

TRAFFIC LEGEND			
SYMBOL	TYPE	SPECIFICATION	QUANTITY
25	SPEED LIMIT (25 MPH)	FIG, P-15D	18
S	STOP SIGN	R1-1	13
	STREET SIGN	FIG, P-15D	10
	STREET LIGHT	SEE DETAIL	35

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SCALE: 1" = 50'

0 25 50 100

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PROJECT NO.: W20.0155-1
DWG NAME: C423 Traffic Control and SSD Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

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TRAFFIC CONTROL, SIGNAGE AND SSD PLAN

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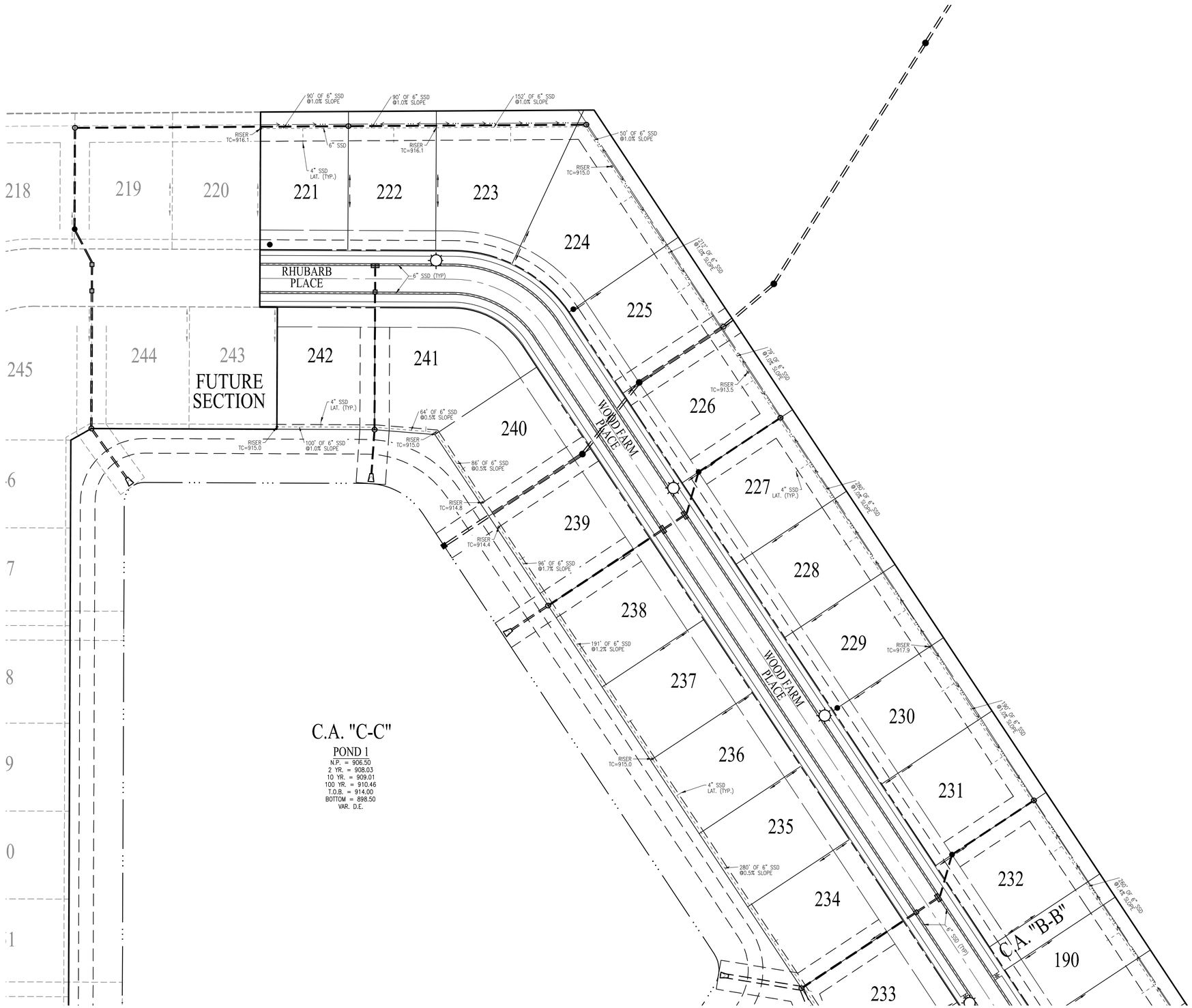
SHEET NO.
C425

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W20015\Section 1\Engineering\design\consent\C423 Traffic Control and SSD Plan.dwg
LAYOUT: C425
DATE/TIME: August 26, 2022 - 12:13pm
PLOTTED BY: sdaiss



TRAFFIC LEGEND			
SYMBOL	TYPE	SPECIFICATION	QUANTITY
25	SPEED LIMIT (25 MPH)	FIG, P-15D	18
S	STOP SIGN	R1-1	13
	STREET SIGN	FIG, P-15D	10
	STREET LIGHT	SEE DETAIL	35

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N
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SCALE: 1" = 50'

0 25 50 100

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PROJECT NO.	W20.0155-1
DWG NAME:	C426 Traffic Control and SSD Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

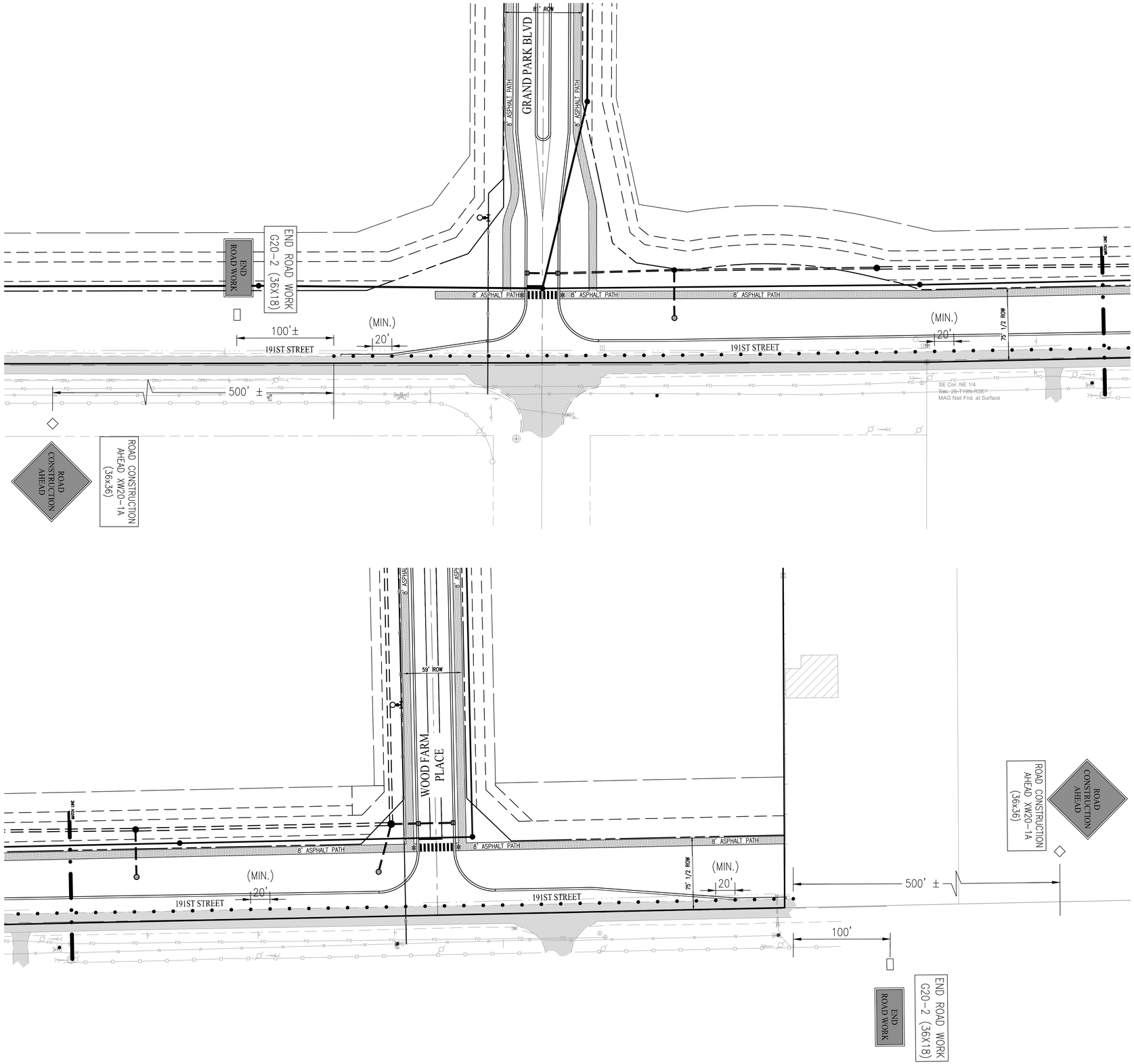
TRAFFIC CONTROL, SIGNAGE AND SSD PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C426

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W2001055\Section 1\Engineering\design\cover\C423 Traffic Control and SSD Plan.dwg
LAYOUT: C426
DATE/TIME: August 26, 2022 - 12:14pm
PLOTTED BY: Allen



NOTES:

1. DURING THE COURSE OF CONSTRUCTION, ONE LANE REDUCTION WILL BE ALLOWED BETWEEN THE HOURS OF 9AM TO 4PM. THE LANE MUST BE REOPENED AT THE END OF EACH DAY THAT IT IS CLOSED.
2. THE BARRICADES SHALL BE MOVED TO THE EDGE OF PAVEMENT AT TIMES OF NO CONSTRUCTION TO ALLOW FOR UNOBSTRUCTED TRAFFIC FLOW THROUGH THE CONSTRUCTION AREA.
3. FENCING AND BARRICADES SHALL BE PLACED SO AS TO ENCOMPASS ANY EXPOSED TRENCH AREA AT TIMES OF NO CONSTRUCTION.
4. THE ROAD WORK AHEAD SIGN SHALL ALSO BE COVERED OR TURNED AWAY FROM THE ROADWAY AT TIMES OF NO CONSTRUCTION.
5. THE MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE CURRENT STANDARD SPECIFICATIONS OF THE INDIANA DEPARTMENT OF TRANSPORTATION STANDARD DETOUR SHEETS AND THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND ALL SUBSEQUENT REVISIONS.
6. ANY DROP OFF ADJACENT TO THE TRAVEL LANE WHICH EXCEEDS 4" MUST HAVE TYPE II DRUMS WITH TYPE 'A' FLASHERS SPACED EVERY 100'
7. DURING THE COURSE OF CONSTRUCTION FOR THIS PROJECT, THE CONTRACTOR SHALL KEEP A 10' WIDE LANE OPEN AT ALL TIMES.
8. THE TRAFFIC MAINTENANCE PLAN SHALL MEET ALL REQUIREMENTS OF THE INDOT WORK ZONE SAFETY MANUAL, CURRENT ADDITION. CONTRACTOR TO FOLLOW GUIDELINES REFERENCED IN THE INDOT WORK ZONE TRAFFIC CONTROL HANDBOOK.

MAINTENANCE OF TRAFFIC LEGEND:

- DRUM (PER INDOT SPEC. 801.09) SPACED AS NOTED WITH TYPE C STEADY BURN LIGHTS.
- ADVANCED WARNING SIGN
- END OF ROAD WORK SIGN

SIGNAGE SCHEDULE:

2	XW20-1A (36X36) ROAD CONSTRUCTION AHEAD
2	G20-2 (36X18) END ROAD WORK
78	DRUM (PER INDOT SPEC 801.09) SPACED AS NOTED

LEGEND

	=	RIGHT-OF-WAY LINE
	=	PROPOSED STORM SEWER LINE
	=	EXISTING STORM SEWER LINE
	=	SWALE
	=	SSD
	=	PROPOSED SANITARY SEWER LINE
	=	EXISTING SANITARY SEWER LINE
	=	SANITARY SEWER MANHOLE
	=	SANITARY SEWER LATERAL
	=	PROPOSED WATER LINE
	=	FLOW DIRECTION
	=	EXISTING CONTOURS
	=	PROPOSED ELEVATION
	=	STORM BEEHIVE INLET
	=	STORM INLET
T.O.C.	=	TOP OF CASTING
INV.	=	INVERT
RCP	=	REINFORCED CONCRETE PIPE
M.H.	=	MANHOLE
STR.	=	STRUCTURE
D.E.	=	DRAINAGE EASEMENT
D.&U.E.	=	DRAINAGE AND UTILITY EASEMENT
S.S.E.	=	SANITARY SEWER EASEMENT
	=	CONCRETE END SECTION
ME	=	MATCH EXISTING
TYP.	=	TYPICAL
PROP.	=	PROPOSED
EX.	=	EXISTING
R.	=	RADIUS
V.W.	=	VARIABLE WIDTH
MLAG	=	MINIMUM LOWEST ADJACENT GRADE
ROW	=	RIGHT-OF-WAY
B-B	=	BACK OF CURB
B.S.L.	=	BUILDING SETBACK LINE
HP	=	HIGH POINT
	=	ADA RAMP
	=	FIRE HYDRANT
	=	PROPOSED 8' ASPHALT PATH

N
W E
S

SCALE: 1" = 50'

0 25 50 100

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PROJECT NO:	W20.0155-1
DWG NAME:	C427 Maintenance of Traffic Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION		

08/26/2022
DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

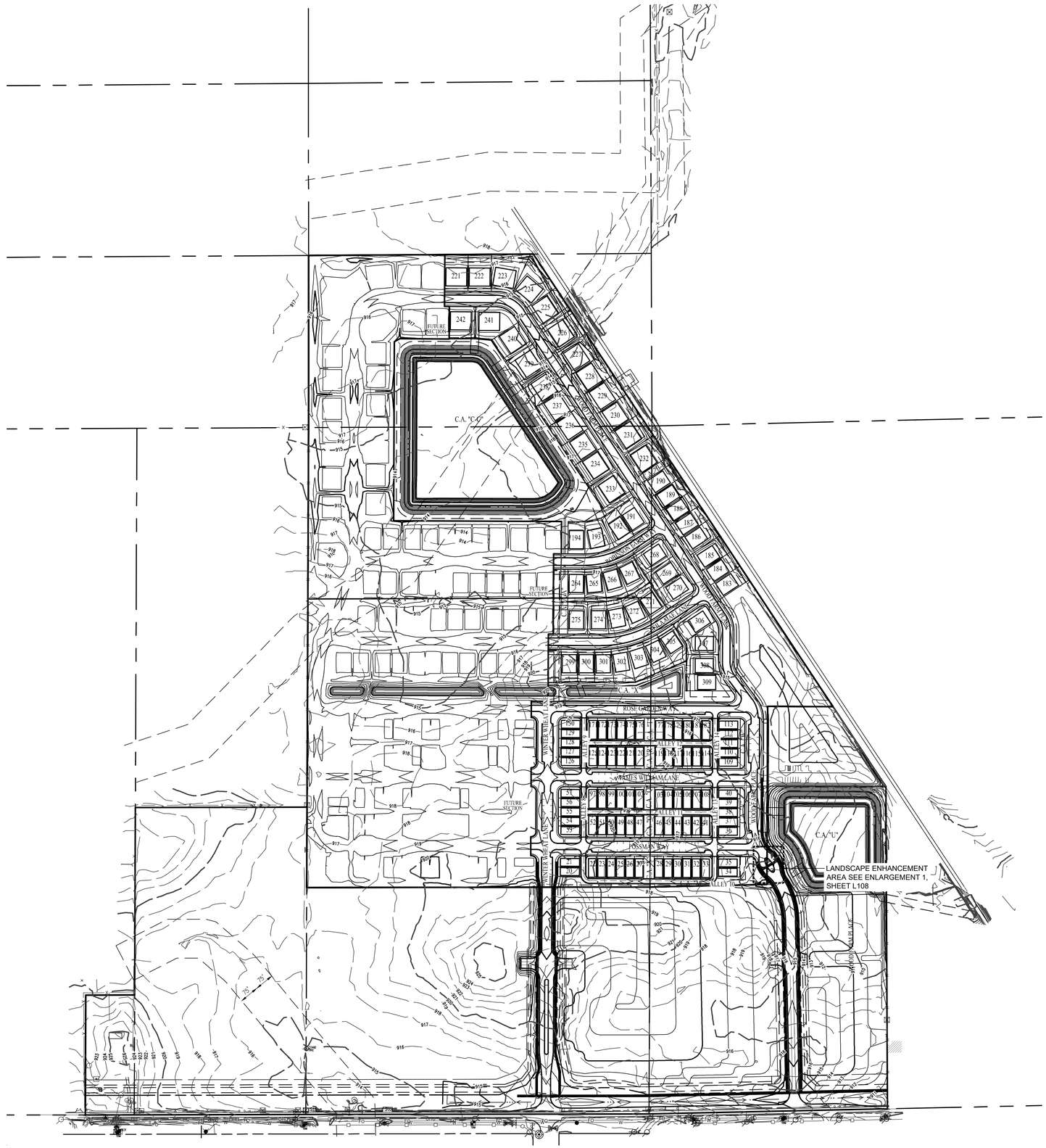
MAINTENANCE OF TRAFFIC PLAN

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
C427

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W20\0155\Section 1\Engineering\engineer\C427 Maintenance of Traffic Plan.dwg
LAYOUT: C427 Maintenance of Traffic Plan
DATE/TIME: August 26, 2022 - 12:16pm
PLOTTED BY: Matthew



LANDSCAPE ORDINANCE REQUIREMENTS

	REQUIREMENT:	REQUIRED:	PROVIDED:
ST	CHAPTER 6.8 - LANDSCAPE STANDARDS - (J) STREET TREES - 1 TREE PER MAXIMUM SPACING BETWEEN STREET TREES SHALL BE FIFTY (50) FEET AND MINIMUM OF TWENTY-FIVE (25) FEET	- 13,247 LF -265 DECIDUOUS TREES	- 265 DECIDUOUS TREES
CA	CHAPTER 6.8 - LANDSCAPE STANDARDS - (K) MINIMUM LOT LANDSCAPING REQUIREMENTS - OPEN SPACE / COMMON AREA (PER ACRE): - 10 SHADE/ORNAMENTAL/EVERGREEN TREES PER ACRE	- 16.93 ACRES - 169.30 SHADE/EVERGREEN/ ORNAMENTAL TREES - PARK COMMON AREA "BY OTHER"	- 131 SHADE/EVERGREEN/ ORNAMENTAL TREES

WESTFIELD-WASHINGTON TOWNSHIP UNIFIED DEVELOPMENT ORDINANCE CHAPTER 6.8 (J) STREET TREES (3) SPACING

THERE SHALL BE NO TREES WITHIN 10 FEET OF ANY STORM SEWER INCLUDING SSD

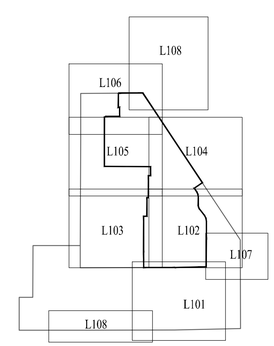
STREET TREES SHALL ALSO BE PLANTED A MINIMUM OF TEN (10) FEET AWAY FROM DRIVEWAYS, ALLEYS, FIRE HYDRANTS, MAILBOXES AND OTHER SIMILAR IMPROVEMENTS.

WESTFIELD-WASHINGTON TOWNSHIP UNIFIED DEVELOPMENT ORDINANCE CHAPTER

NOTE:
ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST

PLANT SCHEDULE

PLAN KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	B&B	CONT.	MATURE SIZE	SPECIAL INSTRUCTIONS
	CANOPY DECIDUOUS TREES							
AoG	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	2" cal.	38	X		50'T x 40'W	
CoC	CELTIS OCCIDENTALIS 'CHICAGOLAND'	CHICAGOLAND COMMON HACKBERRY	2" cal.	23	X		50'T x 40'W	
GaG	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2" cal.	15	X		45'T x 30'W	
GtS	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE HONEYLOCUST	2" cal.	35	X		45'T x 35'W	
LiS	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2" cal.	31	X		60'T x 45'W	
LiT	LIRIODENDRON TULIPIFERA	TULIP TREE	2" cal.	31	X		90'T x 50'W	
TtO	TILIA TOMENTOSA	SILVER LINDEN	2" cal.	34	X		60'T x 35'W	
QuR	QUERCUS RUBRUM	RED OAK	2" cal.	44	X		60'T x 60'W	
UlM	ULMUS 'MORTON'	ACCOLADE ELM	2" cal.	45	X		50'T x 30'W	
ZeS	ZELKOVA SERRATA	ZELKOVA	2" cal.	39	X		60'T x 60'W	
	EVERGREEN TREES							
AbC	ABIES CONCOLOR	WHITE FIR	6' ht.	26	X		40'T x 15'W	
PgD	PICEA GLAUCA VAR. DENSATA	BLACK HILLS SPRUCE	6' ht.	32	X		40'T x 15'W	
	ORNAMENTAL TREES							
SiS	SYRINGA RETICULATA 'IVORY SILK'	JAPANESE TREE LILAC	6' ht.	10	X		20'T x 15'W	
	DECIDUOUS SHRUBS							
PcG	PHYSOCARPUS OPULIFOLIUS 'CENTER GLOW'	CENTER GLOW COMMON NINEBARK	#3	14		X	2'T x 3'W	
	EVERGREEN SHRUBS							
JhP	JUNIPEROUS HORIZONTALIS 'PLUMOSA'	CREEPING JUNIPER	#3	14	X		1.5'T x 3'W	
	PERENNIALS							
HeM	HEMEROCALLIS MIX (33% EA. EQUAL MIX)							
	HEMEROCALLIS 'CUSTARD CANDY'	CUSTARD CANDY DAYLILLY	#1	20		X	2'T x 1.5'W	18" O.C.
	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO GOLD DAYLILY	#1	20		X	1.5'T x 1.5'W	18" O.C.
	HEMEROCALLIS 'STELLA DE ORO RUBY'	RUBY STELLA RED DAYLILY	#1	20		X	2'T x 1.5'W	18" O.C.



SITE MAP

LANDSCAPE PLAN NOTES

GIS — PLANT NAME
1 — QUANTITY
P1 — PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16

N W E S

SCALE: 1" = 150'
0 75 150 300

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PROJECT NO:	W20.0155-1
DWG NAME:	L100 Landscape Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

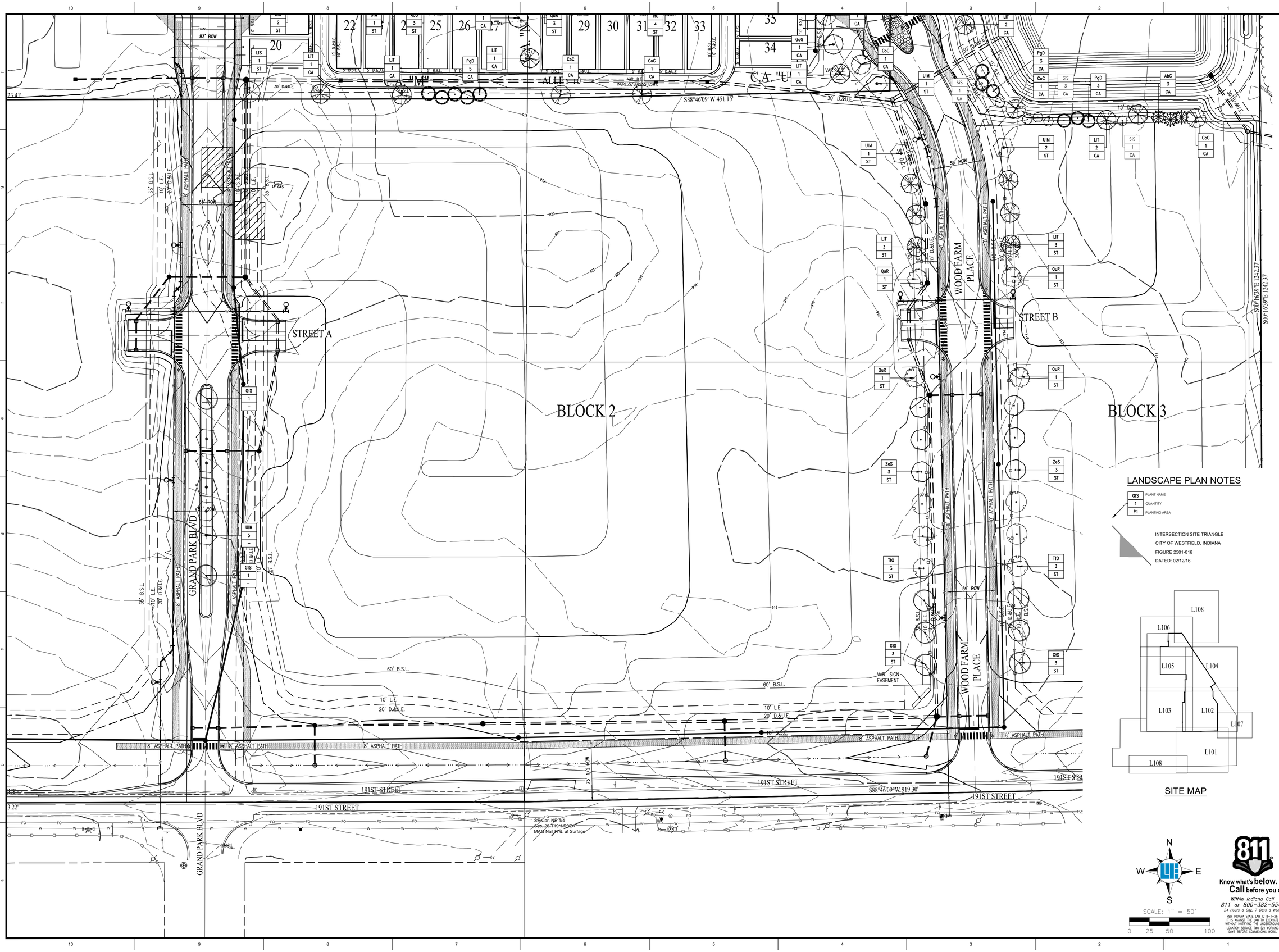
LANDSCAPE PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. L100

PROJECT NO. W20.0155-1

LOCATION: H:\2020\W2001055\Section 1\Engineering\Design\Landscape\L100 Landscape Plan.dwg
LAYOUT: L100
DATE/TIME: August 26, 2022 - 1:05pm
PLOTTED BY: Allen Weihe



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PROJECT NO: W20.0155-1	
DWG NAME: L100 Landscape Plan.	
DESIGNED BY: MEN	
DRAWN BY: MEN	
CHECKED BY: JP	
DATE: 04-14-2022	

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

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DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

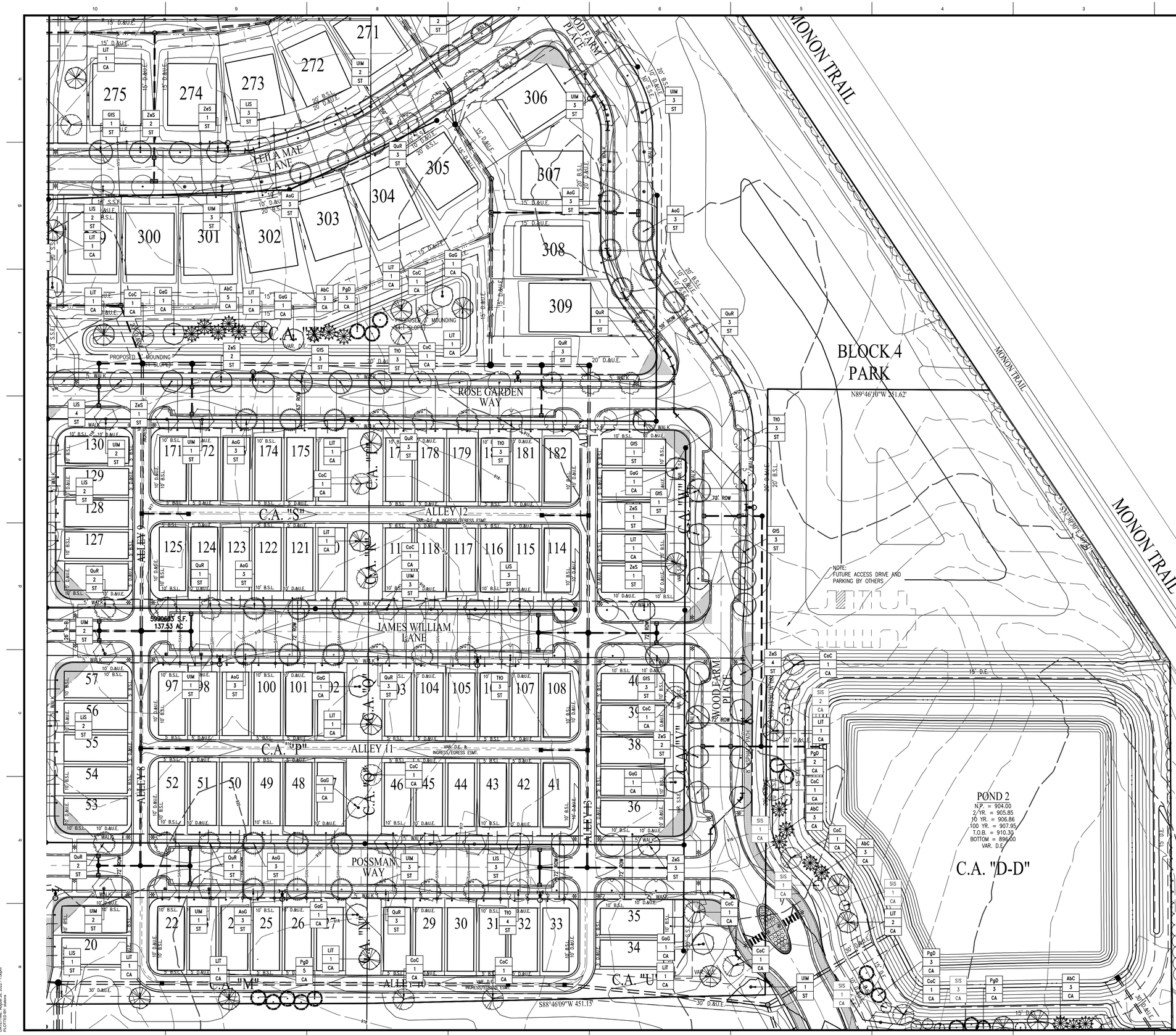
LANDSCAPE PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
L101

PROJECT NO.
W20.0155-1

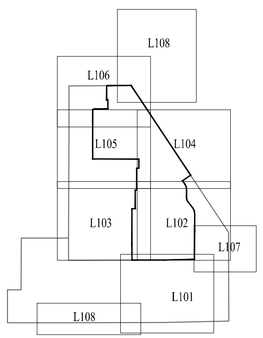
LOCATION: H:\!!!2020\W20155\Section 1\Engineering\design\concept\L100 Landscape Plan.dwg
LAYOUT: L101
DATE/TIME: August 26, 2022 - 1:05pm
PLOTTED BY: Allen



LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP

SCALE: 1" = 50'

0 25 50 100

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REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	08/26/2022	

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DUANE A. SHARRER P.E. 890258

PROJECT NO. W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

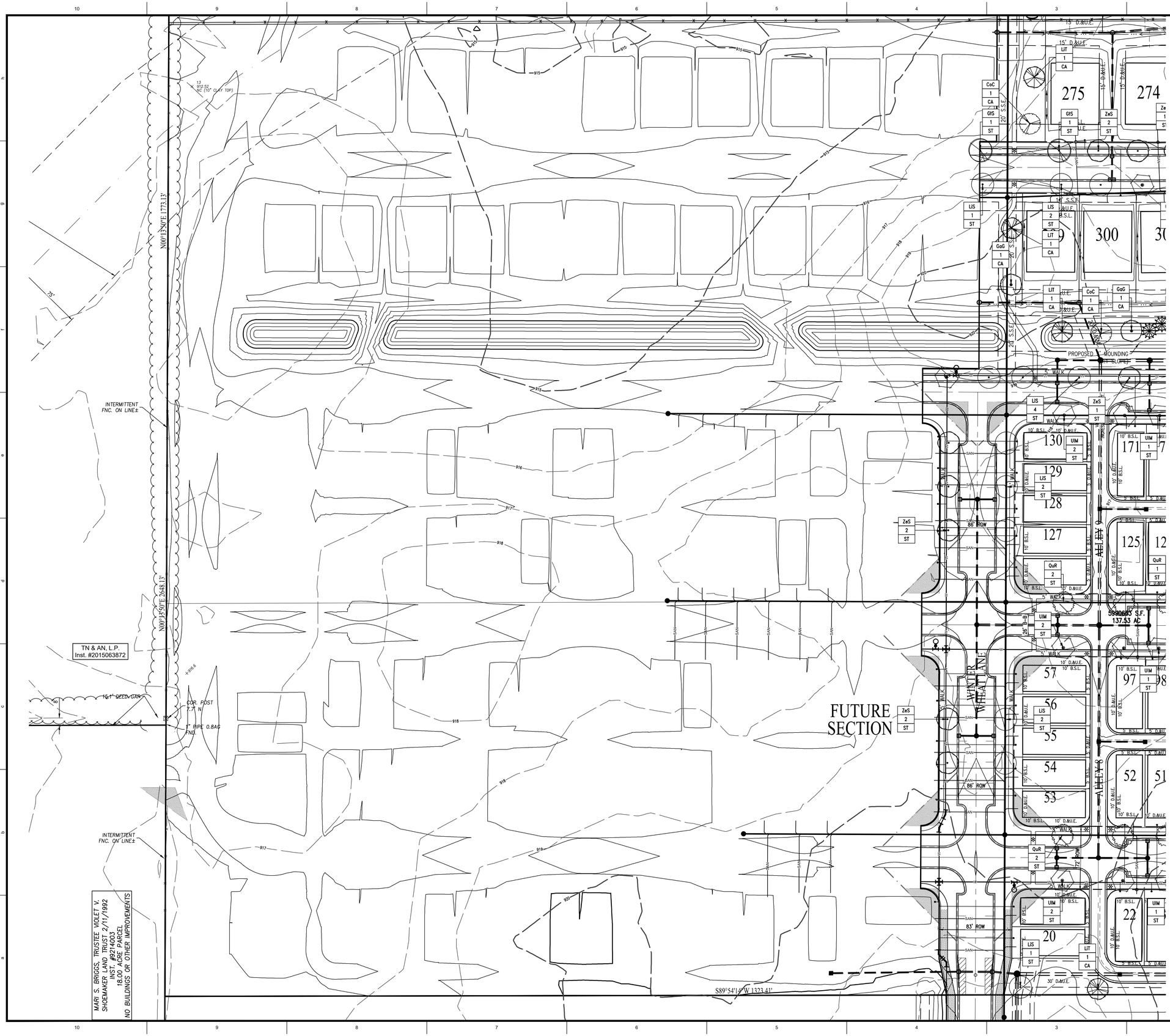
LANDSCAPE PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. L102

PROJECT NO. W20.0155-1

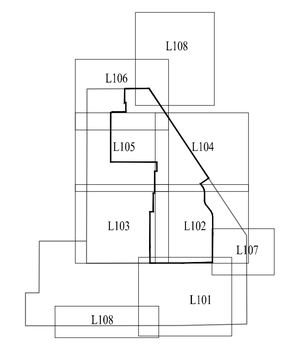
LOCATION: H:\2020\W2001155\Section 1\Engineering\engrcrosset\L100 Landscape Plan.dwg
LAYOUT: L102
DATE/TIME: August 26, 2022 - 1:00pm
PLOTTED BY: mdavis



LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP

SCALE: 1" = 50'

0 25 50 100

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PROJECT NO: W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES	DATE	BY
APPROVAL PENDING NOT FOR CONSTRUCTION	06/28/2022	

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

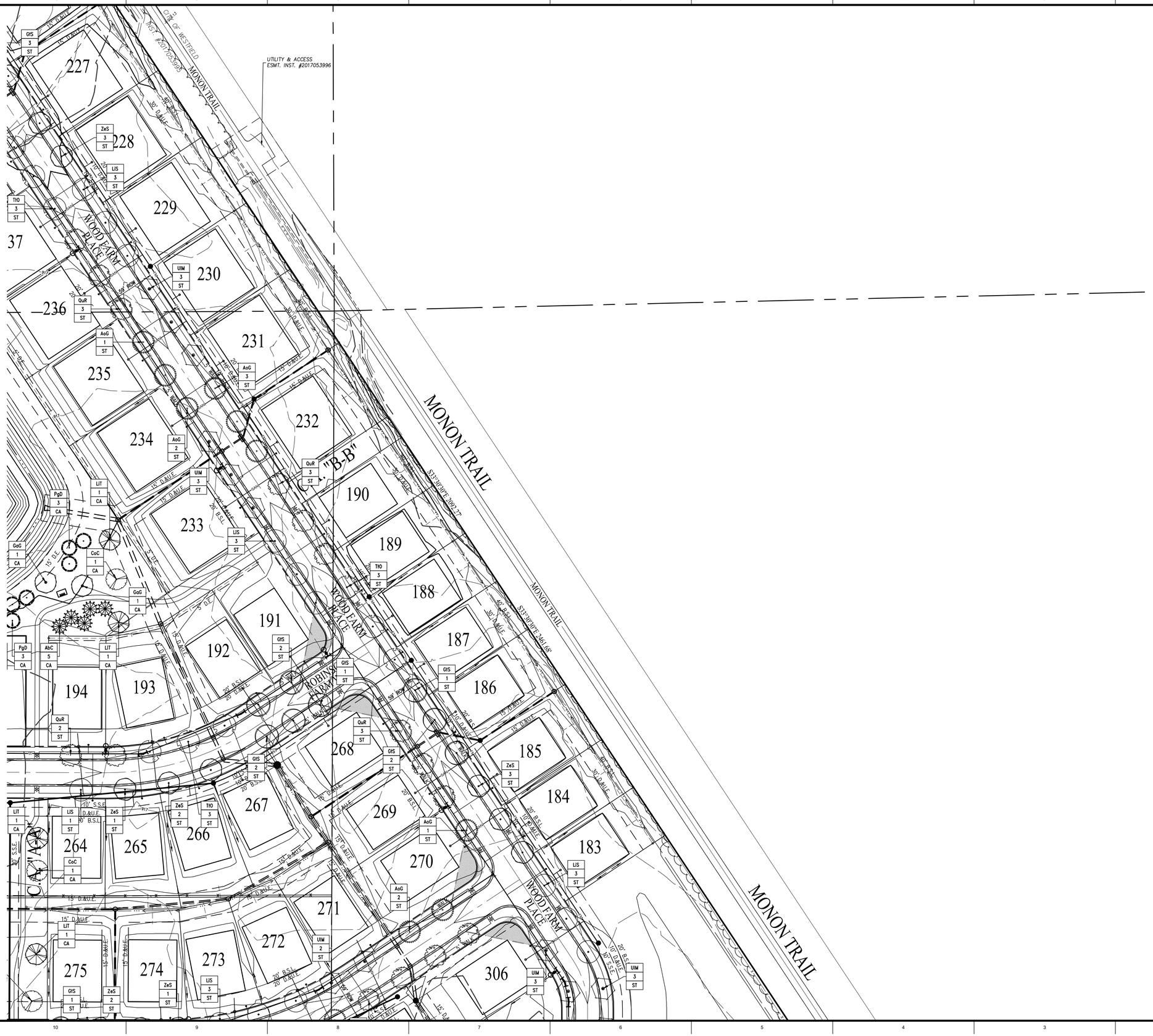
LANDSCAPE PLAN

Part of the SE¼ of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. L103

PROJECT NO. W20.0155-1

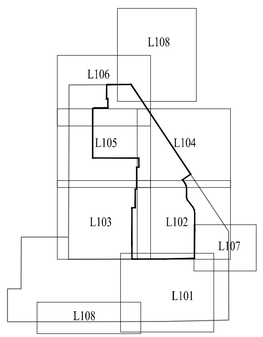
LOCATION: H:\2020\W2001055\Section 1\Engineering\design\concept\L100 Landscape Plan.dwg
LAYOUT: L103
DATE/TIME: August 26, 2022 - 1:06pm
PLOTTED BY: Allana



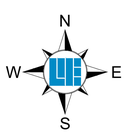
LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP



SCALE: 1" = 50'

0 25 50 100

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PROJECT NO.: W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES | DATE | BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/28/2022

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

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HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

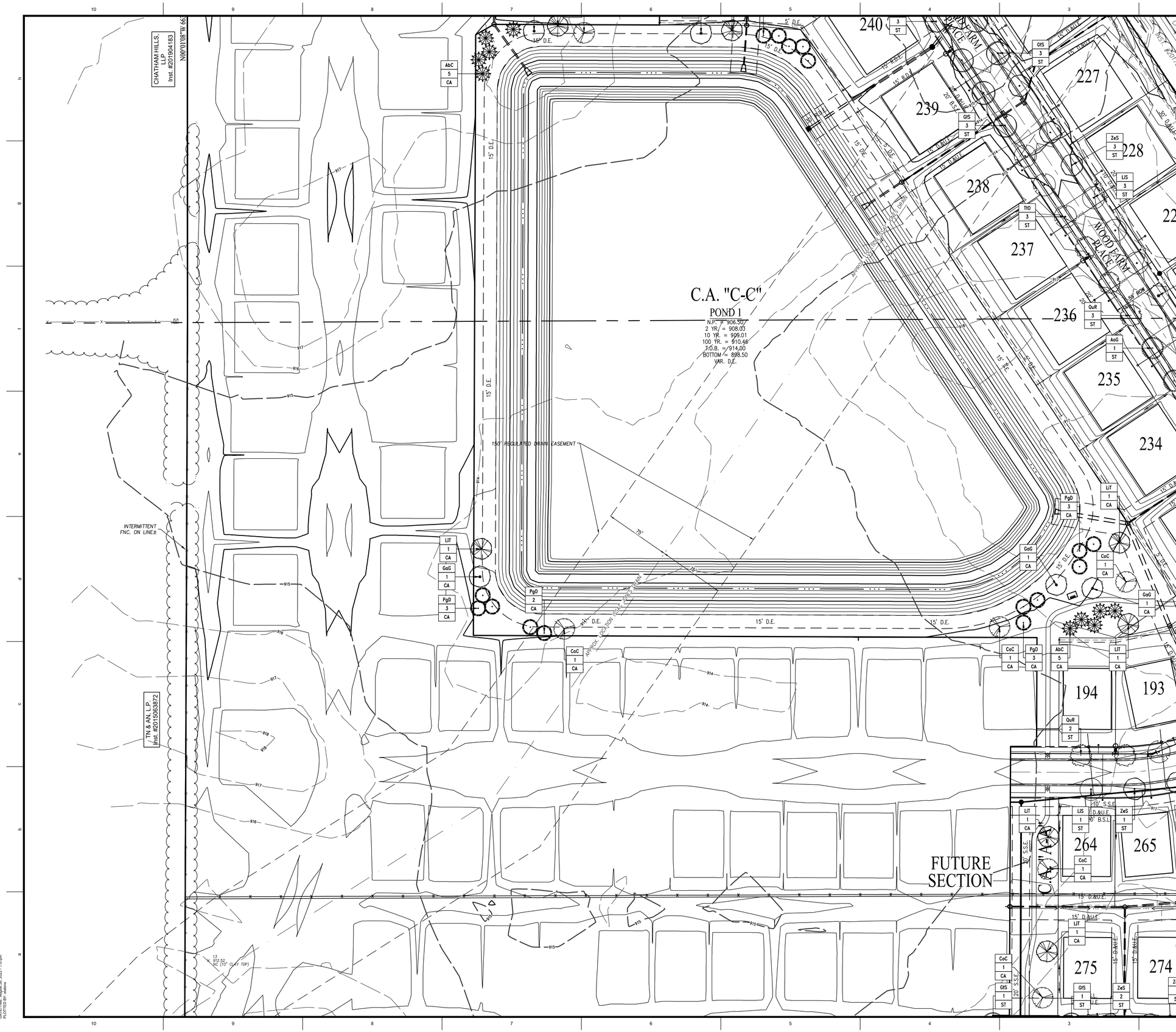
LANDSCAPE PLAN

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
L104

PROJECT NO.
W20.0155-1

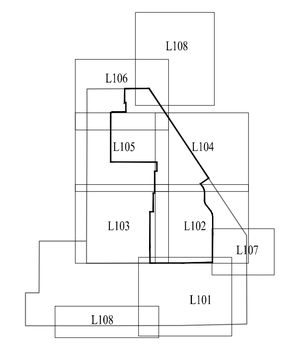
LOCATION: H:\2020\W20015\Section 1\Engineering\design\cornset\L100 Landscape Plan.dwg
LAYOUT: L104
DATE/TIME: August 26, 2022 - 1:06pm
PLOTTED BY: sfalsons



LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP

SCALE: 1" = 50'

0 25 50 100

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PROJECT NO. W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

LANDSCAPE PLAN

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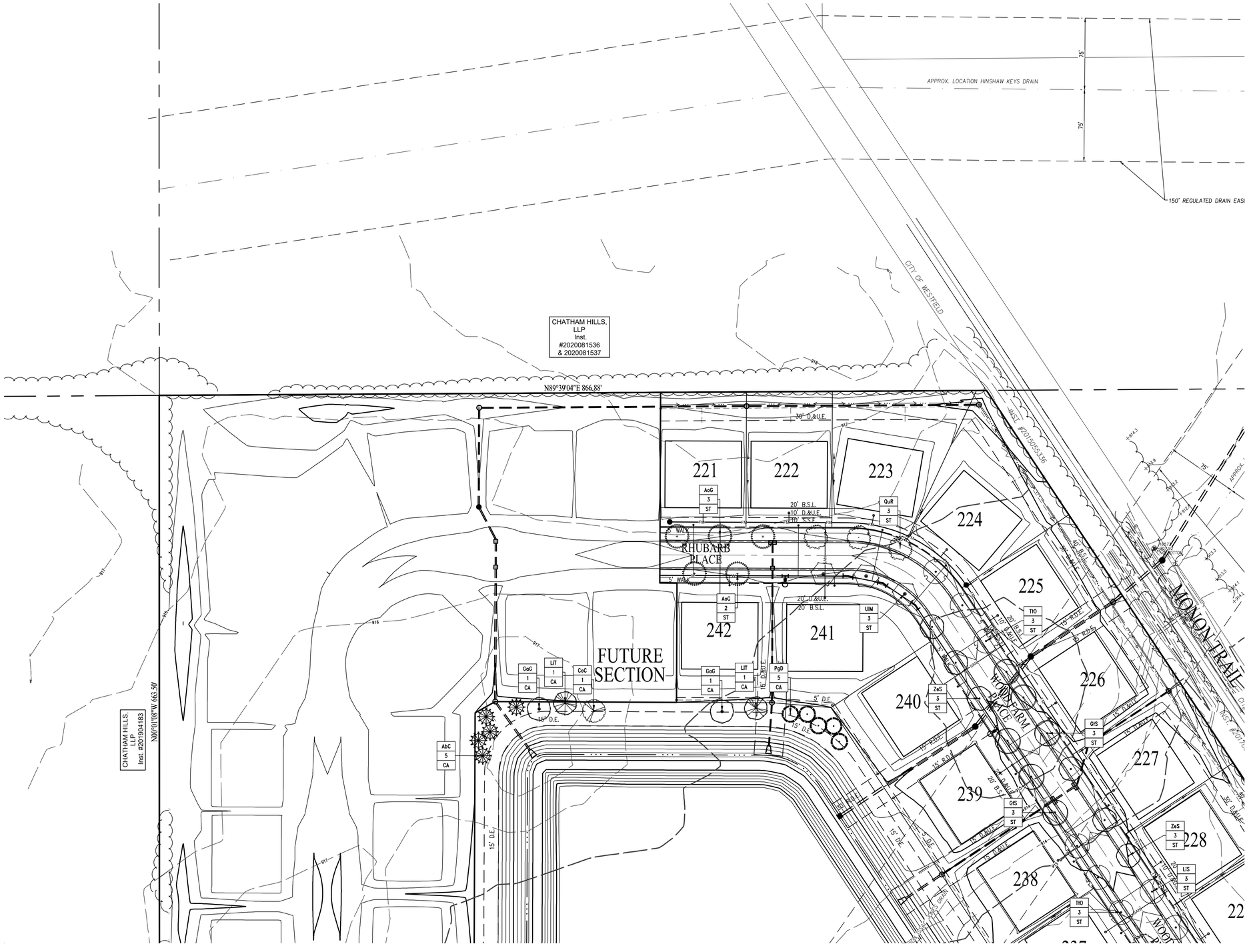
SHEET NO. L105

PROJECT NO. W20.0155-1

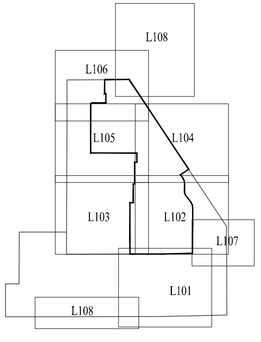
LOCATION: N:\0200\W200155\Section 1\Engineering\design\consent\L100 Landscape Plan.dwg
LAYOUT: L105
DATE/TIME: August 26, 2022 - 1:07pm
PLOTTED BY: Allen



LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP

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SCALE: 1" = 50'

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PROJECT NO.: W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES | DATE | BY

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08/26/2022

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

LANDSCAPE PLAN

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SHEET NO.
L106

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W20015 5\Section 1\Engineering\design\contact\L100 Landscape Plan.dwg
LAYOUT: L106
DATE/TIME: August 26, 2022 - 1:07pm
PLOTTED BY: statlora

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

LANDSCAPE PLAN

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO. **L107**

PROJECT NO. W20.0155-1

DUANE A. SHARRER P.E. 890258

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REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

08/28/2022

REVISIONS AND ISSUES | DATE | BY

APPROVAL PENDING NOT FOR CONSTRUCTION

PROJECT NO.:	W20.0155-1
DWG NAME:	L100 Landscape Plan
DESIGNED BY:	MEN
DRAWN BY:	MEN
CHECKED BY:	JP
DATE:	04-14-2022

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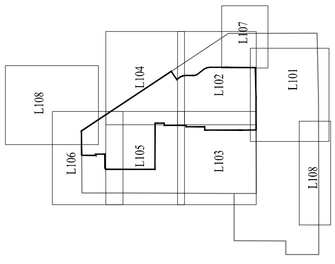
LANDSCAPE PLAN NOTES

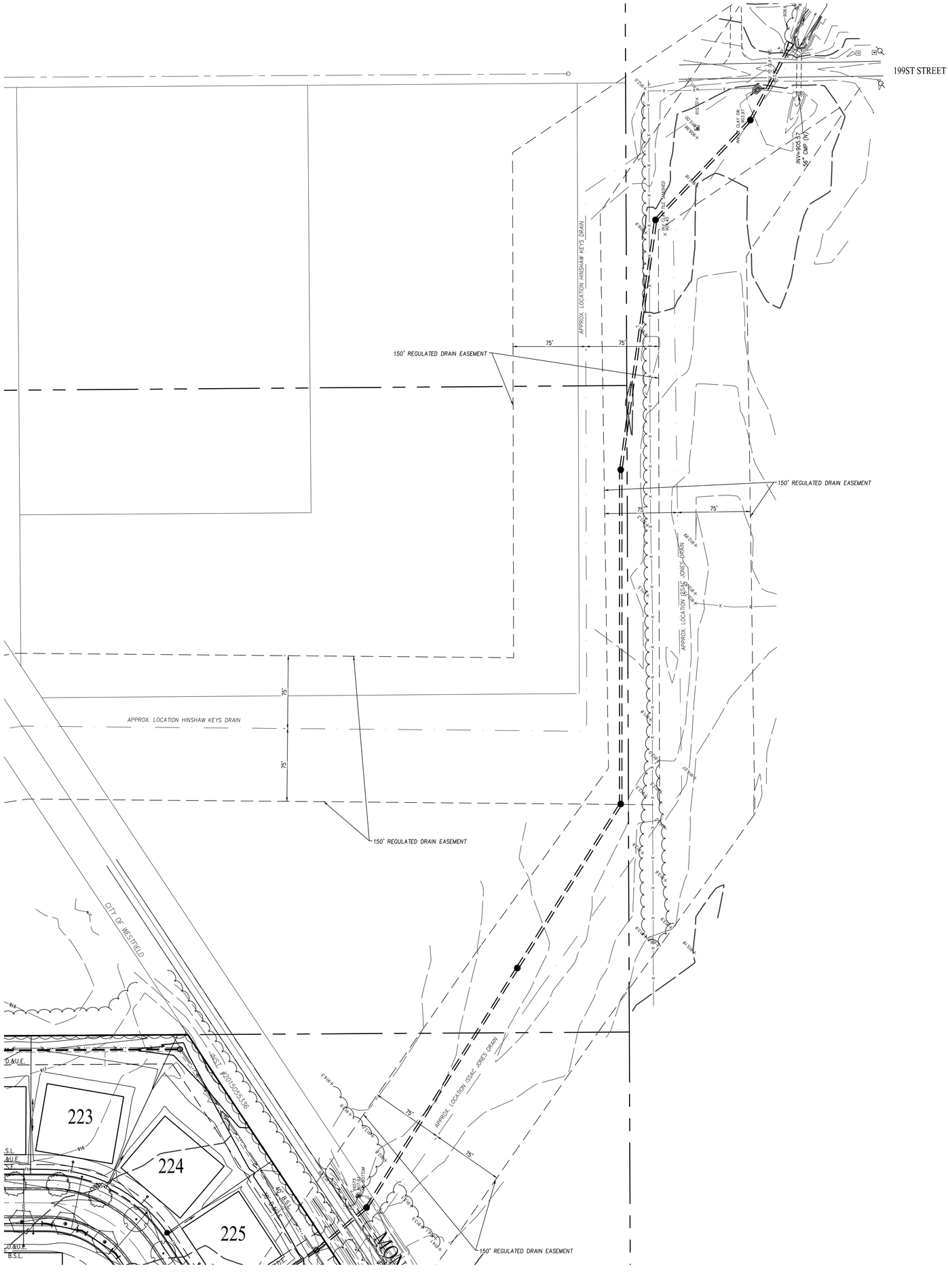
QS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16

SITE MAP



SCALE: 1" = 50'
0 25 50 100



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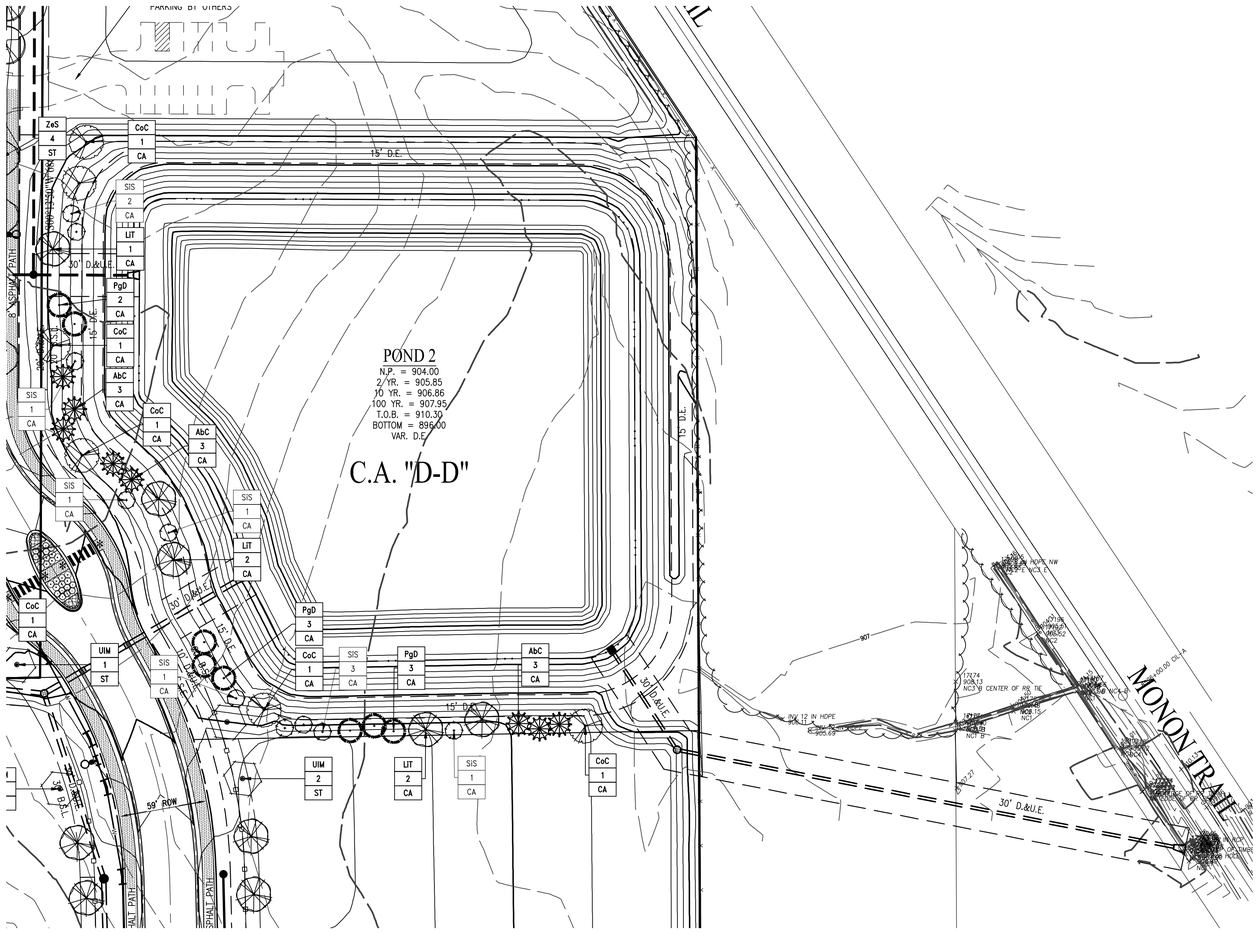
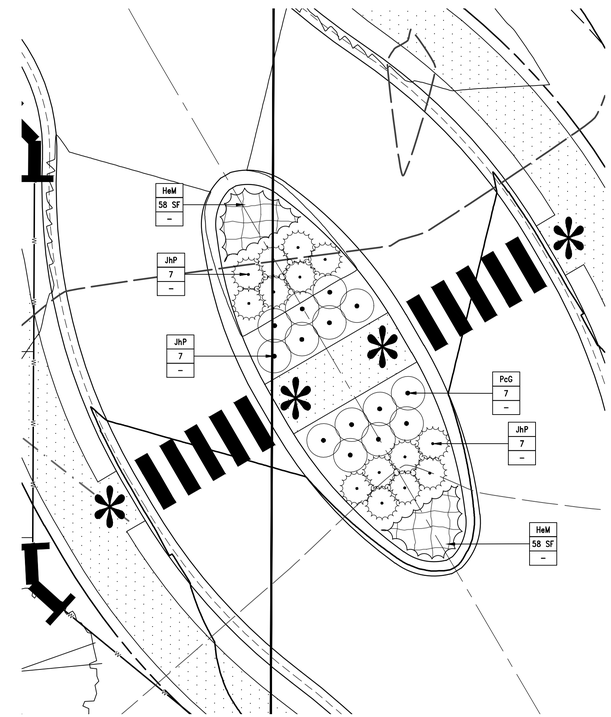
DATE/TIME: August 26, 2022 - 1:07pm
LAYOUT: L107
PLOTTED BY: Hannah





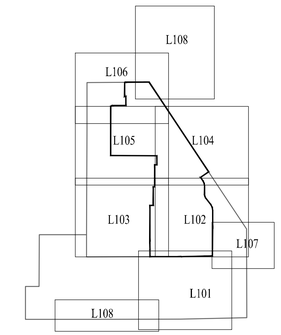
1 ISLAND ENLARGEMENT

Scale: 1:10

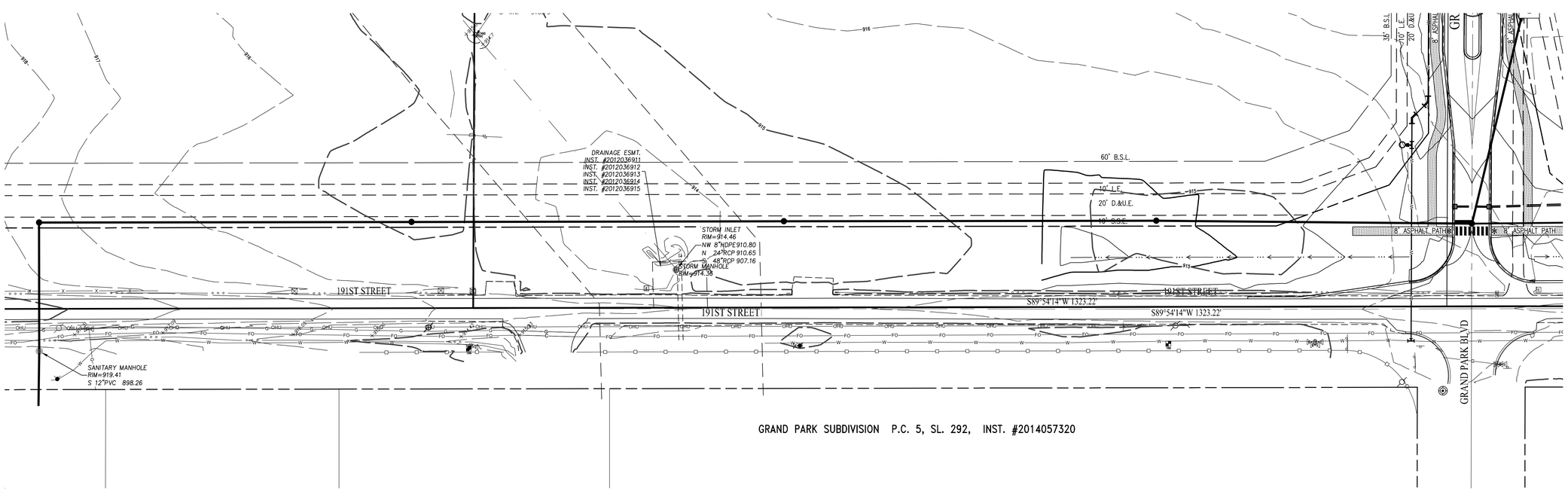
LANDSCAPE PLAN NOTES

GIS	PLANT NAME
1	QUANTITY
P1	PLANTING AREA

INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16



SITE MAP



N
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SCALE: 1" = 50'

0 25 50 100

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PROJECT NO.: W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

REVISIONS AND ISSUES | DATE | BY

APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022

DUANE A. SHARRER
REGISTERED
No. 890258
STATE OF INDIANA
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

LANDSCAPE PLAN

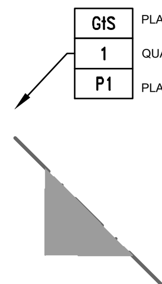
Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
L108

PROJECT NO.
W20.0155-1

LOCATION: H:\2020\W20015\Section 1\Engineering\design\conset\L100 Landscape Plan.dwg
LAYOUT: L108
DATE/TIME: August 26, 2022 - 1:08pm
PLOTTED BY: sdabos

LANDSCAPE PLAN NOTES



INTERSECTION SITE TRIANGLE
CITY OF WESTFIELD, INDIANA
FIGURE 2501-016
DATED: 02/12/16

GENERAL NOTES

1. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PERTAINING TO THEIR PHASE OF WORK. UTILITIES ARE SHOWN TO BE APPROXIMATE. CALL UTILITY LOCATE PRIOR TO ANY PLACEMENT OF PLANT MATERIAL OR OTHER LANDSCAPE MATERIAL.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK.
4. ANY EXISTING TREE(S) AND/OR PLANTINGS THAT MAY REQUIRE REMOVAL BUT ARE NOT SHOWN ON THE PLAN AS BEING REMOVED SHALL BE PROTECTED AND BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT TO DETERMINE IF TREE(S) AND/OR PLANTINGS SHOULD BE 1)REMOVED, 2)SAVED AND INTEGRATED INTO THE LANDSCAPE DESIGN, OR 3) RELOCATED.
5. CONTRACTOR TO REVIEW THE SWPPP SERIES PLANS FOR STABILIZATION (SEEDING/SOD/MULCH) REQUIREMENTS.
6. PLANTING BEDS AND PLANT MATERIAL SHALL BE LOCATED AS INDICATED ON LANDSCAPE PLAN. IN THE EVENT FIELD CHANGES OR CONDITIONS REQUIRE MODIFICATION TO THE LANDSCAPE DESIGN, THE CONTRACTOR SHALL CONSULT LANDSCAPE ARCHITECT AS TO PROPOSED MODIFICATIONS PRIOR TO PLANTING. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANT LOCATIONS ON SITE IF NECESSARY.
7. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
8. PLANTS SHALL BEAR A TAG SHOWING GENUS, SPECIES AND VARIETY. REMOVE AT TIME OF FINAL ACCEPTANCE.
9. PLANTS SHALL BE CERTIFIED BY THE STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES AND FREE FROM DISEASE OR HAZARDOUS INSECTS.
10. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IN WRITING PRIOR TO BID DATE OF ANY PLANTS THAT HE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED.
11. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED WITHOUT APPROVAL OF THE JURISDICTION HAVING AUTHORITY AND THE LANDSCAPE ARCHITECT. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. THE CONTRACTOR SHALL COMPENSATE THE LANDSCAPE ARCHITECT FOR THE TIME REQUIRED FOR REVIEW AND INSPECTION OF PROPOSED PLANT SUBSTITUTIONS AFTER BID IS AWARDED.
12. ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY. SUBMIT COLOR PHOTOGRAPHS OF PROPOSED PLANT MATERIAL TAKEN IN THE NURSERY WHERE THEY ARE GROWING. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT PLANT MATERIALS AT NURSERY OR CONTRACTOR YARD PRIOR TO DELIVERY TO THE SITE. THE LANDSCAPE ARCHITECT MAY ALSO INSPECT AND APPROVED OR REJECTED PLANT MATERIAL ON THE JOB SITE. IN THE EVENT PLANT MATERIAL IS NOT THE SPECIFIED SIZE OR QUALITY, PLANTS WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
13. PLANTS AND OTHER LANDSCAPE MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL BE PROTECTED AND NOT CONFLICT WITH CONSTRUCTION OPERATIONS.
14. COMPOST SHALL BE A WELL DECOMPOSED, STABLE, WEED FREE ORGANIC MATTER SOURCE. IT SHALL BE DERIVED FROM: AGRICULTURAL, FOOD, OR INDUSTRIAL RESIDUALS; BIOSOLIDS (TREATED SEWAGE SLUDGE); YARD TRIMMINGS; SOURCE-SEPARATED OR MIXED SOLID WASTE. THE PRODUCT SHALL CONTAIN NO SUBSTANCES TOXIC TO PLANTS AND SHALL BE REASONABLY FREE (< 1% BY DRY WEIGHT) OF MAN-MADE FOREIGN MATTER. THE COMPOST WILL POSSESS NO OBJECTIONABLE ODORS AND SHALL NOT RESEMBLE THE RAW MATERIAL FROM WHICH IT WAS DERIVED.
15. SHRUB AND PERENNIAL BEDS SHALL BE PREPARED BY PLACING 3" OF APPROVED COMPOST OVER PULVERIZED TOPSOIL AND ROTOTILLING TO A DEPTH OF 6".
15. PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND GROUND COVER BEDS PRIOR TO MULCHING AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT. PRE-EMERGENT HERBICIDE SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO APPLICATION.
16. ALL TREE AND SHRUB PLANTING AREAS TO BE COVERED WITH 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER BEDS SHALL BE COVERED WITH 1" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE FREE OF STICKS, LEAVES, SOIL AND FOREIGN MATERIAL. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
17. CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS AND PLANT MATERIAL UNTIL ALL PUNCH LIST WORK HAS BEEN COMPLETED AND WRITTEN FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT OR OWNER. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS INSTALLED AND SHALL INCLUDE BUT NOT LIMITED TO, WATERING, WEEDING, PRUNING, DISEASE AND INSECT CONTROL, MOWING, RESETTING OF PLANTS TO PROPER GRADES OR UPRIGHT POSITION, AND ANY OTHER PROCEDURE CONSISTENT WITH GOOD HORTICULTURAL PRACTICES.
18. ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL ACCEPTANCE AS DETERMINED BY LANDSCAPE ARCHITECT OR OWNER. AT THE END OF THIS PERIOD, PLANT MATERIAL DETERMINED TO BE DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT OR OWNER SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE CONTRACTOR.

PERMANENT SEED MIX	
APPLICATION RATE: 3-4 lb./1,000 sq. ft.	
TURF-TYPE PERENNIAL RYEGRASS	34%
FINE FESCUE	33%
SHAMROCK KBG	33%
Sun & Shade Park Mix forms a durable turf for general use areas. Sun & Shade Park Mix will do well under a wide range of maintenance levels and can be established in full sun to partially shaded conditions. Sun & Shade Park Mix will provide turf with a fine texture, good mowing quality, and withstand moderate traffic. Sun & Shade Park Mix will establish quickly for maximum competition against annual weeds.	

PERMANENT SEEDING NOTES

NOTES
1. AN OAT OR WHEAT COMPANION OR NURSE CROP MAY BE USED WITH ANY OF THE ABOVE PERMANENT SEEDING MIXTURES, AT THE FOLLOWING RATES:
   a. SPRING OATS - ONE-FOURTH TO THREE-FOURTHS BUSHEL PER ACRE
   b. WHEAT - NO MORE THAN ONE-HALF BUSHEL PER ACRE
2. A HIGH POTENTIAL FOR FERTILIZER, SEED, AND MULCH TO WASH EXISTS ON STEEP BANKS, CUTS, AND IN CHANNELS AND AREAS OF CONCENTRATED

GRADOMG
1. GRADE THE SITE TO ACHIEVE PROPOSED GRADES AND POSITIVE DRAINAGE.
ADD TOPSOIL TO ACHIEVE NEEDED DEPTH FOR ESTABLISHMENT OF VEGETATION.

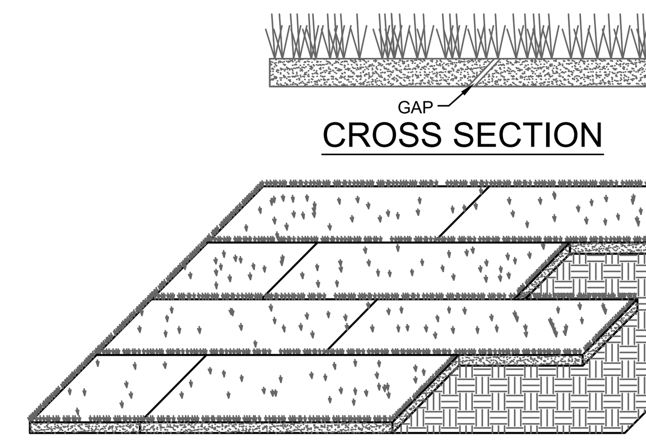
SEEDBED PREPARATION
1. TEST SOIL TO DETERMINE PH AND NUTRIENT LEVELS.
2. APPLY SOIL AMENDMENTS AS RECOMMENDED BY THE SOIL TEST AND WORK INTO THE UPPER TWO TO FOUR INCHES OF SOIL. IF TESTING IS NOT DONE, APPLY 400 TO 600 POUNDS PER ACRE OF 12-12-12 ANALYSIS FERTILIZER, OR EQUIVALENT.
3. TILL THE SOIL TO OBTAIN A UNIFORM SEEDBED. USE A DISK OR RAKE, OPERATED ACROSS THE SLOPE, TO WORK THE SOIL AMENDMENTS INTO THE UPPER TWO TO FOUR INCHES OF THE SOIL.

SEEDING
OPTIMUM SEEDING DATES: **MARCH 1 TO MAY 10 OR AUGUST 10 TO SEPTEMBER 30**

PERMANENT SEEDING DONE BETWEEN **MAY 10 TO AUGUST 10 -** SHALL BE IRRIGATED. SEEDING OUTSIDE OR BEYOND OPTIMUM SEEDING DATES IS STILL POSSIBLE WITH THE UNDERSTANDING THAT RESEEDING OR OVERSEEDING SHALL BE REQUIRED IF ADEQUATE SURFACE COVER IS NOT ACHIEVED. RESEEDING OR OVERSEEDING CAN BE EASILY ACCOMPLISHED IF THE SOIL SURFACE REMAINS WELL PROTECTED WITH MULCH.

1. APPLY SEED UNIFORMLY WITH A DRILL OR CULTIPACKER SEEDER OR BY BROADCASTING. PLANT OR COVER THE SEED TO A DEPTH OF ONE-FOURTH TO ONE-HALF INCH. IF DRILLING OR BROADCASTING THE SEED, ENSURE GOOD SEED-TO-SOIL CONTACT BY FIRMING THE SEEDBED WITH A ROLLER OR CULTIPACKER AFTER COMPLETING SEEDING OPERATIONS. (IF SEEDING IS DONE WITH A HYDROSEEDER, FERTILIZER AND MULCH CAN BE APPLIED WITH THE SEED IN A SLURRY MIXTURE.)
2. MULCH ALL SEEDED AREAS AND USE APPROPRIATE METHODS TO ANCHOR THE MULCH IN PLACE. USE EROSION CONTROL BLANKETS ON SLOPING AREAS AND CONVEYANCE CHANNELS

MAINTENANCE
1. INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS UNTIL THE VEGETATION IS SUCCESSFULLY ESTABLISHED.
2. CHARACTERISTICS OF A SUCCESSFUL STAND INCLUDE VIGOROUS DARK GREEN OR BLUISHGREEN SEEDLINGS WITH A UNIFORM VEGETATIVE COVER DENSITY OF 90 PERCENT OR MORE.
3. CHECK FOR EROSION OR MOVEMENT OF MULCH.
4. REPAIR DAMAGED, BARE, GULLIED, OR SPARSELY VEGETATED AREAS AND THEN FERTILIZE, RESEED, AND APPLY AND ANCHOR MULCH.
5. IF PLANT COVER IS SPARSE OR PATCHY, EVALUATE THE PLANT MATERIALS CHOSEN, SOIL FERTILITY, MOISTURE CONDITION, AND MULCH APPLICATION; REPAIR AFFECTED AREAS EITHER BY OVERSEEDING OR PREPARING A NEW SEEDBED AND RESEEDING. APPLY AND ANCHOR MULCH ON THE NEWLY SEEDED AREAS.
6. IF VEGETATION FAILS TO GROW, TEST SOIL TO DETERMINE SOIL PH OR NUTRIENT DEFICIENCY PROBLEMS. (CONTACT YOUR SOIL AND WATER CONSERVATION DISTRICT OR COOPERATIVE EXTENSION OFFICE FOR ASSISTANCE.)
7. IF ADDITIONAL FERTILIZATION OR SOIL AMENDMENTS ARE NEEDED TO GET A SATISFACTORY STAND, DO SO ACCORDING TO SOIL TEST RECOMMENDATIONS.
8. ADD FERTILIZER THE FOLLOWING GROWING SEASON. FERTILIZE ACCORDING TO SOIL TEST RECOMMENDATIONS.
9. FERTILIZE TURF AREAS ANNUALLY. APPLY FERTILIZER IN A SPLIT APPLICATION. FOR COOL-SEASON GRASSES, APPLY ONE-HALF OF THE FERTILIZER IN LATE SPRING AND ONE HALF IN EARLY FALL. FOR WARM-SEASON GRASSES, APPLY ONE-THIRD IN EARLY SPRING, ONE-THIRD IN LATE SPRING, AND THE REMAINING ONE-THIRD IN MIDDLE SUMMER.



1 SOD APPLICATION DETAIL

SCALE: N.T.S

SOD NOTES

SPECIFICATIONS
SITE PREPARATION
1. GRADE THE SITE TO ACHIEVE POSITIVE DRAINAGE.
2. PREPARE A SMOOTH, FIRM SOIL SURFACE AND APPLY SOIL AMENDMENTS. IRRIGATION IRRIGATE AS NEEDED TO ENSURE ROOTING OF SOD.

MATERIALS
1. SOIL AMENDMENTS - SELECT MATERIALS AND RATES AS DETERMINED BY A SOIL TEST (CONTACT YOUR COUNTY SOIL AND WATER CONSERVATION DISTRICT OR COOPERATIVE EXTENSION OFFICE FOR ASSISTANCE AND SOIL INFORMATION, INCLUDING AVAILABLE SOIL TESTING SERVICES.) OR 400 TO 600 POUNDS OF 12-12-12 ANALYSIS FERTILIZER, OR EQUIVALENT.
2. SOD - SELECT A HIGH QUALITY, HEALTHY, VIGOROUS VARIETY WELL ADAPTED TO THE REGION AND COMPATIBLE WITH THE INTENDED USE.

INSTALLATION
SOD SHOULD NOT BE INSTALLED DURING HOT WEATHER, ON DRY SOIL, FROZEN SOIL, COMPACTED CLAY, LOOSE SAND OR GRAVELLY SUBSTRATE SOILS, AGGREGATE, OR PESTICIDE TREATED SOIL. THE IDEAL TIME TO LAY SOD IS MAY 1 TO JUNE 1 OR SEPTEMBER 1 TO SEPTEMBER 30, ALTHOUGH IT CAN BE INSTALLED AS EARLY AS MARCH 15 IF AVAILABLE OR JUNE 1 TO SEPTEMBER 1 IF IRRIGATED.

SITE PREPARATION
1. APPLY TOPSOIL IF EXISTING SOIL CONDITIONS ARE UNSUITABLE FOR ESTABLISHING VEGETATION.
2. GRADE THE SITE TO ACHIEVE POSITIVE DRAINAGE AND CREATE A SMOOTH, FIRM SOIL SURFACE.
3. WHERE APPLICABLE, USE A CHISEL PLOW, DISK, HARROW, OR RAKE TO BREAK UP COMPACTED SOILS AND CREATE A FAVORABLE ROOTING DEPTH OF SIX TO EIGHT INCHES.

SOD BED PREPARATION
1. TEST SOIL TO DETERMINE PH AND NUTRIENT LEVELS.
2. IF SOIL PH IS TOO ACIDIC FOR THE GRASS SOD TO BE INSTALLED, APPLY LIME ACCORDING TO SOIL TEST RESULTS OR AT THE RATE RECOMMENDED BY THE SOD SUPPLIER.
3. APPLY FERTILIZER AS RECOMMENDED BY THE SOIL TEST. IF TESTING WAS NOT DONE, APPLY 400 TO 600 POUNDS PER ACRE OF 12-12-12 ANALYSIS FERTILIZER, OR EQUIVALENT.
4. WORK THE SOIL AMENDMENTS INTO THE UPPER TWO TO FOUR INCHES OF SOIL WITH A DISK OR RAKE OPERATED ACROSS THE SLOPE.
5. RAKE OR HARROW THE AREA TO ACHIEVE A SMOOTH FINAL GRADE AND THEN ROLL OR CULTIPACK THE SOIL SURFACE TO CREATE A FIRM SURFACE ON WHICH TO LAY THE SOD.

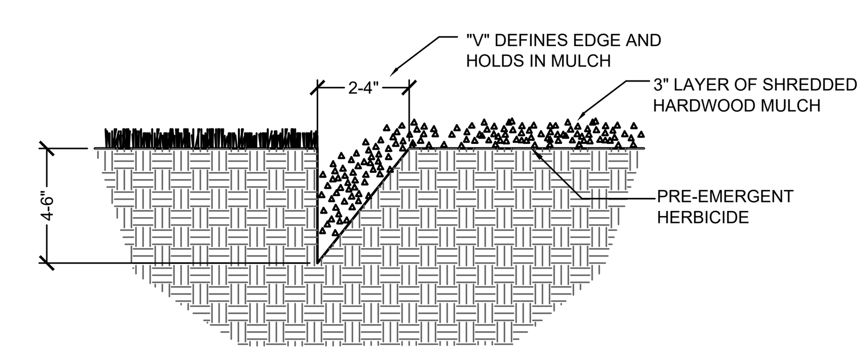
LAYING THE SOD
1. INSTALL SOD WITHIN THIRTY-SIX HOURS OF ITS CUTTING.
2. STORE THE SOD IN A SHADED LOCATION DURING INSTALLATION.
3. IMMEDIATELY BEFORE LAYING THE SOD, RAKE THE SOIL SURFACE TO BREAK ANY CRUST. (IF THE WEATHER IS HOT, LIGHTLY IRRIGATE THE SOIL SURFACE PRIOR TO LAYING THE SOD.)
4. LAY SOD STRIPS IN A BRICK-LIKE PATTERN.
5. BUTT ALL JOINTS TIGHTLY AGAINST EACH OTHER (DO NOT STRETCH OR OVERLAP THEM), USING A KNIFE OR MASON'S TROWEL TO TRIM AND FIT SOD INTO IRREGULARLY SHAPED AREAS.
6. ROLL THE SOD LIGHTLY AFTER INSTALLATION TO ENSURE FIRM CONTACT BETWEEN THE SOD AND SOIL.
7. IRRIGATE NEWLY SODDED AREAS UNTIL THE UNDERLYING SOIL IS WET TO A DEPTH OF FOUR INCHES, AND THEN KEEP MOIST UNTIL THE GRASS TAKES ROOT.

SLOPE APPLICATION
1. INSTALL THE SOD STRIPS WITH THE LONGEST DIMENSION PERPENDICULAR TO THE SLOPE.
2. WHERE SLOPES EXCEED A RATIO OF 3:1, STAPLE OR STAKE EACH STRIP AT THE CORNERS AND IN THE MIDDLE.

CHANNEL APPLICATION
(SODDING PROVIDES QUICKER PROTECTION THAN SEEDING AND MAY REDUCE THE RISK OF EARLY WASHOUT.)
1. EXCAVATE THE CHANNEL, ALLOWING FOR THE FULL THICKNESS OF THE SOD.
2. LAY THE SOD STRIPS WITH THE LONGEST DIMENSION PERPENDICULAR TO CHANNEL FLOW.
3. STAPLE OR STAKE EACH STRIP OF SOD AT THE CORNERS AND IN THE MIDDLE.
4. STAPLE JUTE OR BIODEGRADABLE POLYPROPYLENE NETTING OVER THE SODDED AREA TO MINIMIZE THE POTENTIAL FOR WASHOUT DURING ESTABLISHMENT.

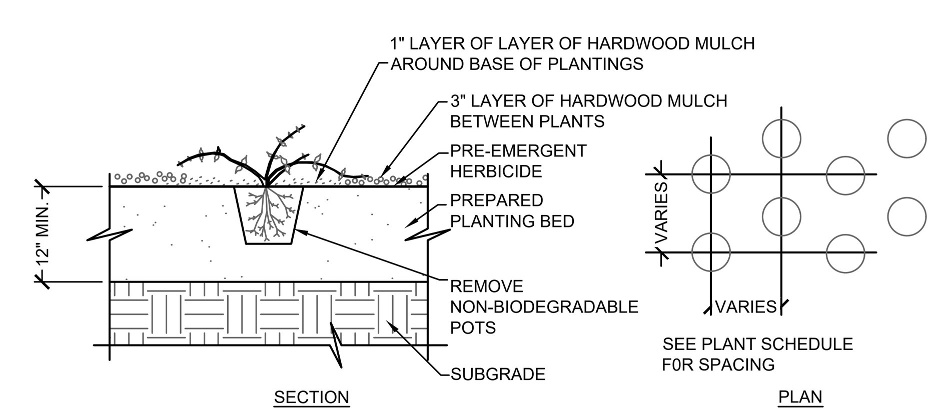
MAINTENANCE
1. INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS UNTIL SOD IS WELL ROOTED.
2. KEEP SOD MOIST UNTIL FULLY ROOTED.
3. AFTER SOD IS WELL-ROOTED (TWO TO THREE WEEKS), MAINTAIN A PLANT HEIGHT OF TWO TO THREE INCHES.
4. TIME MOWING TO AVOID RUTS IN TURF.
5. FERTILIZE TURF AREAS ANNUALLY. APPLY FERTILIZER IN A SPLIT APPLICATION. FOR COOL SEASON GRASSES, APPLY ONE-HALF OF THE FERTILIZER IN LATE SPRING AND ONE-HALF IN EARLY FALL. FOR WARM-SEASON GRASSES, APPLY ONE-THIRD IN EARLY SPRING, ONE-THIRD IN LATE SPRING AND ONE-THIRD IN MID-SUMMER.

REFERENCE IN CHAPTER 7 PAGES 47-50 IN THE INDIANA STORM WATER QUALITY MANUAL



2 V-CUT LANDSCAPE BED EDGE DETAIL

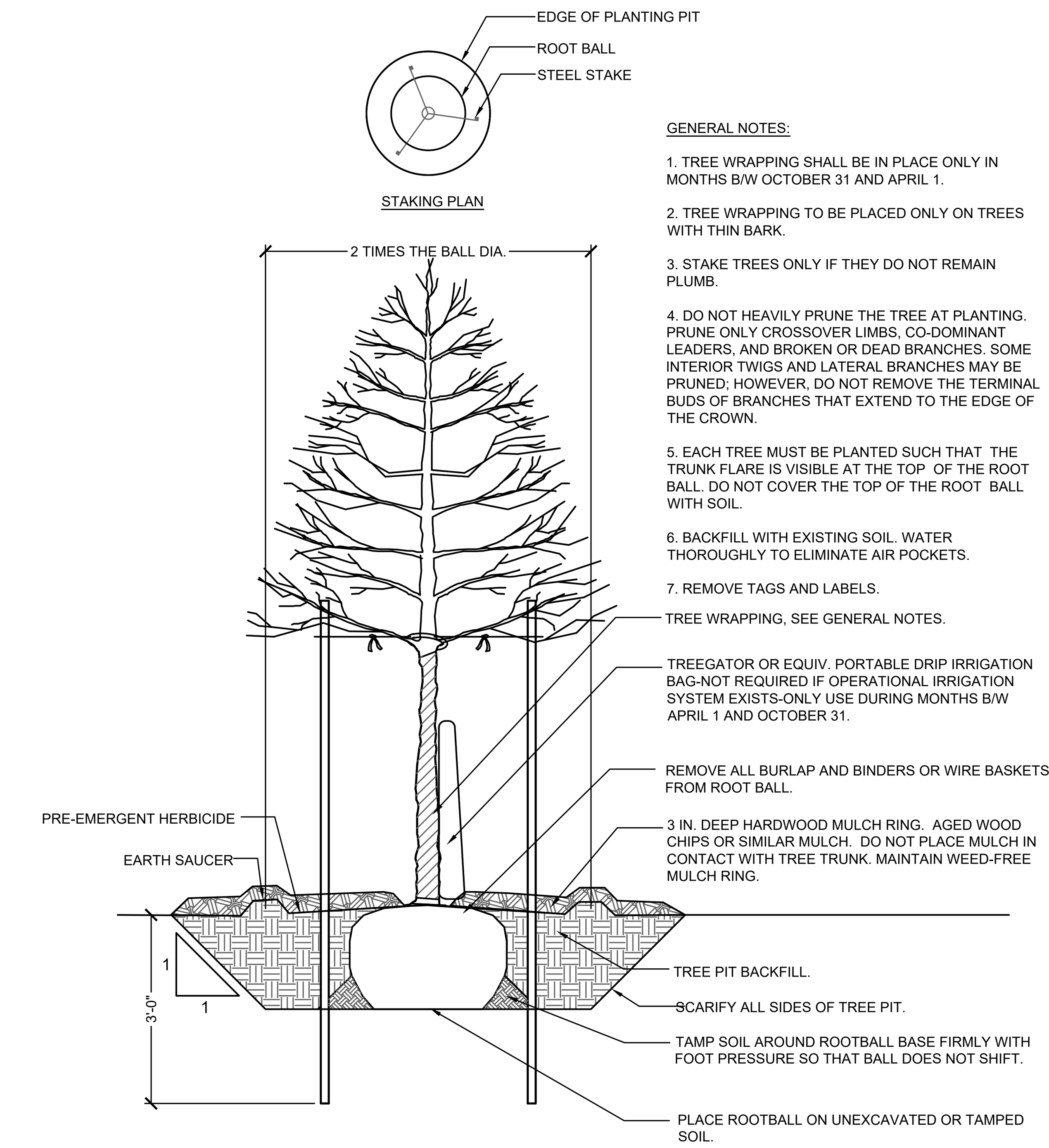
SCALE: N.T.S



SHRUB AND PERENNIAL BEDS SHALL BE PREPARED BY PLACING 3" OF APPROVED COMPOST OVER PULVERIZED TOPSOIL AND ROTOTILLING TO A DEPTH OF 6".

3 GROUNDCOVER PLANTING

SCALE: N.T.S



GENERAL NOTES:

1. TREE WRAPPING SHALL BE IN PLACE ONLY IN MONTHS B/W OCTOBER 31 AND APRIL 1.

2. TREE WRAPPING TO BE PLACED ONLY ON TREES WITH THIN BARK.

3. STAKE TREES ONLY IF THEY DO NOT REMAIN PLUMB.

4. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

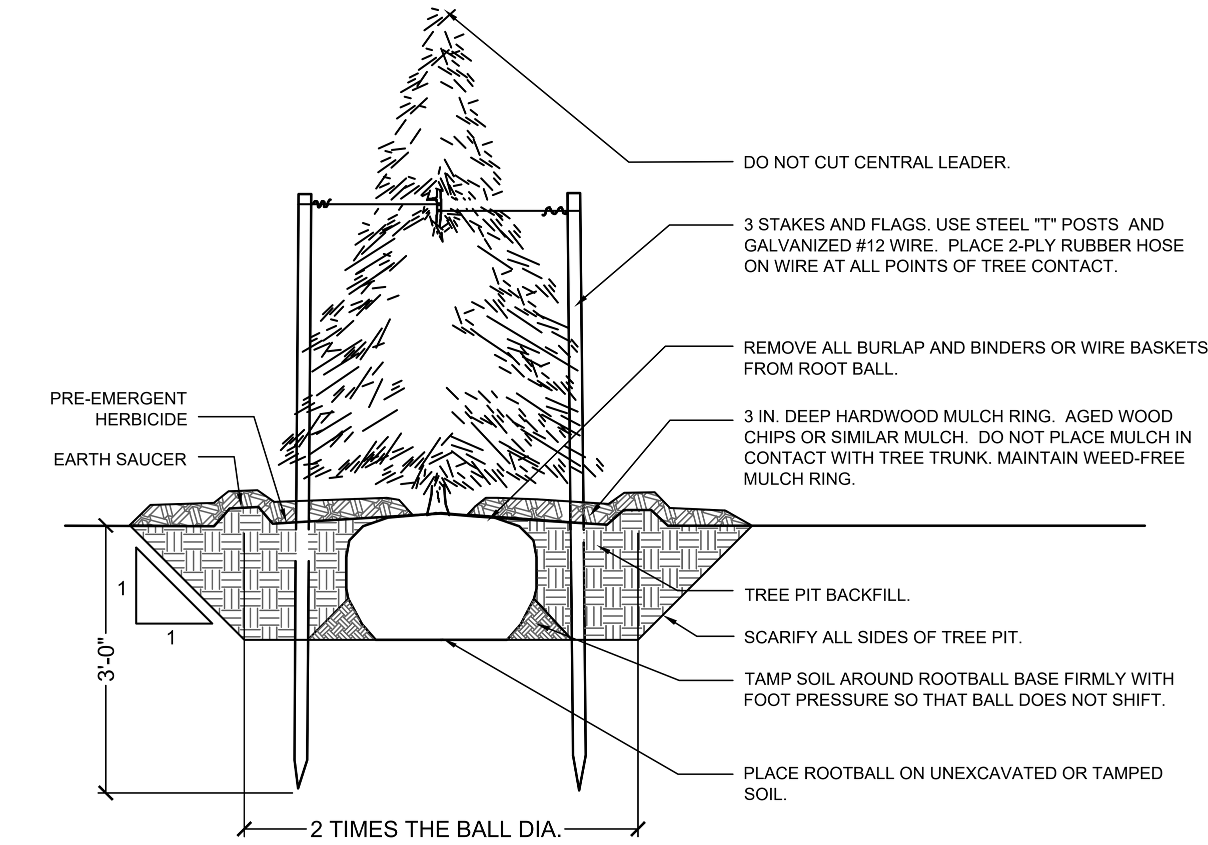
5. EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

6. BACKFILL WITH EXISTING SOIL. WATER THOROUGHLY TO ELIMINATE AIR POCKETS.

7. REMOVE TAGS AND LABELS.

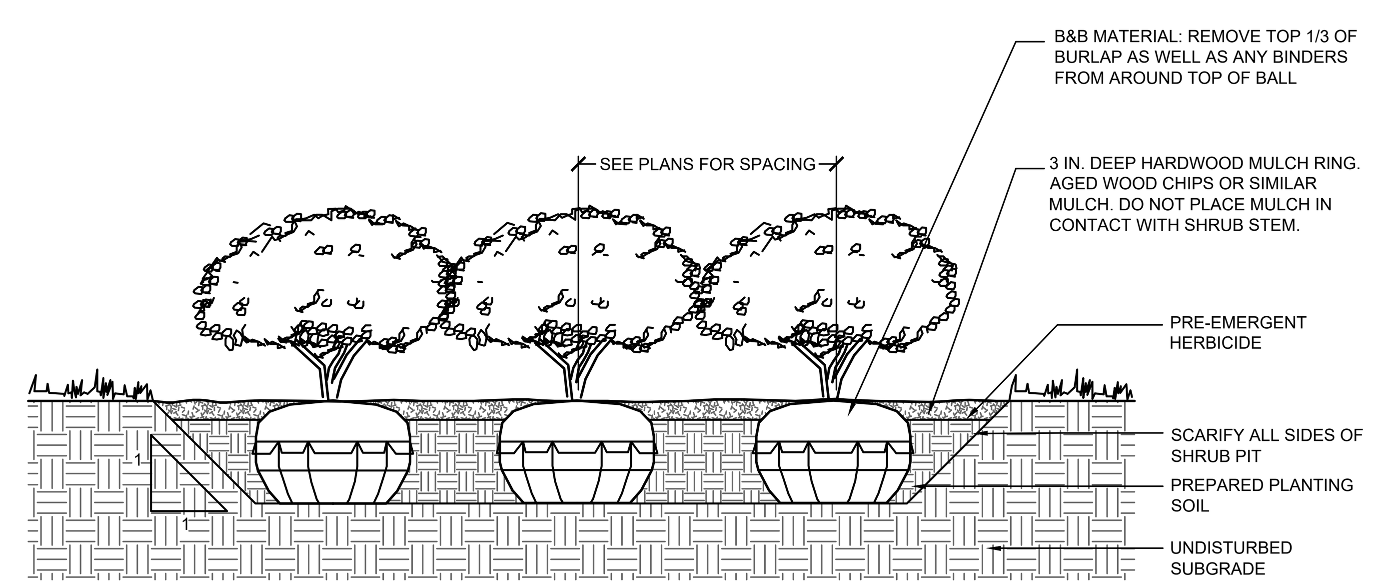
4 TREE PLANTING DETAIL

SCALE: N.T.S



5 EVERGREEN TREE PLANTING DETAIL

SCALE: N.T.S



6 SHRUB PLANTING DETAIL

SCALE: N.T.S

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 *fax*
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture
Build with confidence

PROJECT NO.: W20.0155-1
DWG NAME: L100 Landscape Plan
DESIGNED BY: MEN
DRAWN BY: MEN
CHECKED BY: JP
DATE: 04-14-2022

DATE	BY	REVISIONS AND ISSUES
		APPROVAL PENDING NOT FOR CONSTRUCTION

08/26/2022
DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER
DUANE A. SHARRER P.E. 890258

HARVEST TRAIL OF WESTFIELD SECTION 1

612 EAST 191ST STREET, WESTFIELD, IN 46074

LANDSCAPE DETAILS & SPECS

Part of the SE/4 of Section 23, 25 & 26, Township 19 North, Range 3 East, Washington Township, Hamilton County, Indiana

SHEET NO.
L109
PROJECT NO.
W20.0155-1