HANNA STREET DRAINAGE IMPROVEMENTS

TOWN OF MCCORDSVILLE, IN

DRAWING INDEX	
NUMBER	DESCRIPTION
01	TITLE SHEET
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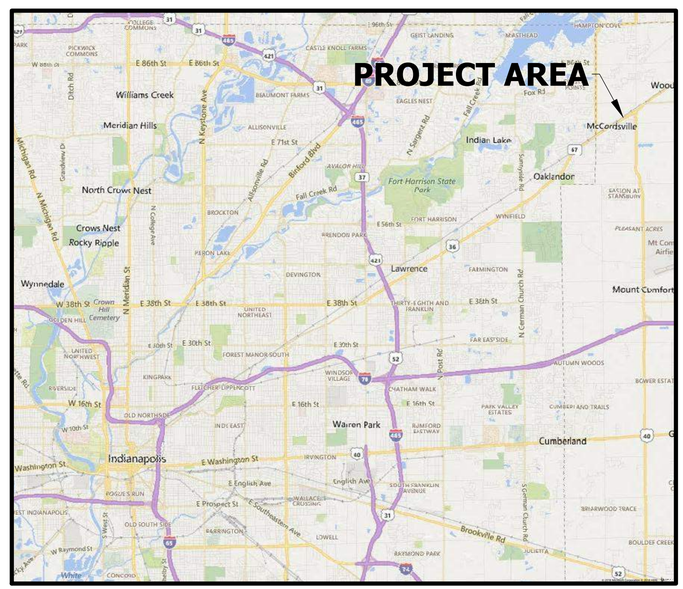
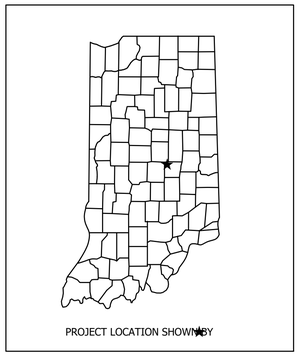
03	OVERALL LAYOUT
04 - 11	PLAN AND PROFILE SHEETS
12 - 15	MCCORDSVILLE TOWN STANDARD DETAIL SHEETS
APPENDIX A	TOWN OF MCCOORDSVILLE TOPOGRAPHIC SURVEY



LOCATION MAP

MCCORDSVILLE, INDIANA

LAT. 39°56'29.80" N
LONG. 86°02'34.10" W



PROJECT CONTACT INFORMATION

PROJECT MANAGER
MARK WITSMAN
TOWN OF MCCORDSVILLE - TOWN ENGINEER
ADDRESS: 6280 W. 800 N.
MCCORDSVILLE, IN 46005
PHONE: 317-335-3604
EMAIL: MWITSMAN@MCCORDSVILLE.ORG

UTILITIES

SEE SHEET 2

Know what's below. Call before you dig.

VS ENGINEERING, INC.
4275 North High School Road Indianapolis, Indiana 46254
vsei@vsengineering.com www.vsengineering.com
Phone: (317) 293-3542 Fax: (317) 293-4737

PLANS PREPARED BY: VS ENGINEERING, INC. FAX: (317) 293-4737 TEL: (317) 293-3542

CERTIFIED BY: AMY R. MOORE P.E. INDIANA REG. NO. 9800378 PHONE NUMBER 12/03/2020 DATE

AMY R. MOORE REGISTERED No. 9800378 STATE OF INDIANA PROFESSIONAL ENGINEER

BRIDGE FILE		
N/A		
DESIGNATION		
N/A		
SHEETS		
01	of	15
CONTRACT	PROJECT	
	14-3215	

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\01-General Sheets\ LTSCALE....1
FILE.....14-3215 Titlesheet.dwg DIMSCALE..10
PLOTTED BY...JMowery
DATE.....Dec 04,2020 - 3:07pm

GENERAL NOTES

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

2. THESE DRAWINGS COVER THE REQUIREMENTS FOR CONSTRUCTION OF THE MCCORDSVILLE HANNA STREET DRAINAGE IMPROVEMENT PROJECT. THE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO: STORM SEWER INSTALLATION, PAVEMENT PATCHING, RESURFACING, EROSION CONTROL, RESTORATION WORK AND ALL ITEMS AS SHOWN ON THE PLANS.

3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF A COMPLETE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

   CLEARING, GRUBBING AND GRADING

   STORM SEWER AND STRUCTURE INSTALLATION

   PAVEMENT PATCHING AND RESURFACING

   ALL OTHER MISCELLANEOUS ITEMS SHOWN ON THE PLANS AND SPECIFICATIONS

4. THE CONTRACTOR SHALL GIVE CONSTANT ATTENTION TO THE WORK TO FACILITATE THE PROGRESS THEREOF AND SHALL COOPERATE WITH THE INSPECTOR/ENGINEER IN EVERY WAY POSSIBLE.

5. PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK REQUIRED FOR CONSTRUCTION OF EACH ITEM AS SHOWN ON THESE PLANS. ALL INCIDENTAL WORK TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE INSPECTOR/ENGINEER SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.

6. ALL RUBBISH AND DEBRIS RESULTING FROM WORK SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR ON A CONTINUAL BASIS.

7. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT AND MATERIAL FOR THE WORK INTENDED AND FOR THE FUNCTIONS TO BE PERFORMED AS INDICATED ON THE DRAWINGS (DIAGRAMMATIC OR OTHERWISE). EVEN THOUGH SOME MINOR DETAILS MAY NOT BE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE NECESSARY ACTIONS TO ENSURE THAT ALL EQUIPMENT, MATERIALS AND INSTALLATION WORK ARE COORDINATED WITH, AND ARE COMPATIBLE WITH TOWN OF MCCORDSVILLE INFRASTRUCTURE.

8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING INDIANA UNDERGROUND PLANT PROTECTION SERVICE (1-800-382-5544) AT LEAST 48 HOURS PRIOR TO STARTING WORK. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING IN AREAS OF EXISTING UTILITIES. EXISTING UTILITIES SHALL BE LOCATED AND MARKED IN ADVANCE OF EXCAVATION AREA. ANY DAMAGE DONE TO FUNCTIONING UTILITIES SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR UTILITY.

9. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES AND PIPING WITHIN THE CONSTRUCTION SITE LIMITS WHETHER ABOVE OR BELOW GROUND. THE CONTRACTOR SHALL NOTIFY AND COORDINATE, IN WRITING, ALL CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITY COMPANIES OR OWNERS AND SHALL OBTAIN NECESSARY PERMITS.

10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING UTILITIES AND PIPING ENCOUNTERED DURING CONSTRUCTION.

11. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF, OR HERSELF, WITH THE AREA AND NO EXTRA COMPENSATION CONNECTED WITH OVERHEAD FACILITIES WILL BE ALLOWED.

12. THE CONTRACTOR SHALL PROVIDE PROTECTION OF ALL EXISTING UTILITIES AND PIPING, IF NECESSARY, AND COORDINATE THE UTILITY PROTECTION WITH RESPECTIVE UTILITY.

13. NOT ALL UTILITY CROSSINGS ARE SHOWN ON THE PROFILES.

14. COORDINATES SHOWN ON THE DRAWINGS ARE NOT BASED ON THE STATE PLANE COORDINATE SYSTEM. SEE SURVEY SHEETS, APPENDIX "A" AT BACK OF PLAN SET FOR REFERENCES AND DETAILS.

15. ALL SURVEY LINES SHOWN ON THE DRAWINGS ARE PAPER-LOCATED LINES, ESTABLISHED USING CONTROL POINT COORDINATES. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY HORIZONTAL ALIGNMENTS AND COORDINATES OF ALL POINTS PRIOR TO STAKING SURVEY LINES IN FIELD AND PRIOR TO BEGINNING ANY CONSTRUCTION..

16. EXISTING GRADE ELEVATIONS AND CASTING ELEVATIONS AT PROPOSED STRUCTURES HAVE BEEN FIELD LOCATED OR CALCULATED FROM FIELD SURVEY CROSS SECTIONS. CONTRACTOR SHALL VERIFY ACTUAL ELEVATIONS PRIOR TO ORDERING ANY PRECAST STRUCTURES AND BEGINNING ANY CONSTRUCTION.

17. ALL TREES OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PROTECTED UNLESS OTHERWISE SHOWN, SPECIFIED OR DIRECTED. THOSE TREES TO BE REMOVED SHALL BE FLAGGED BY CONTRACTOR. AN INSPECTION OF ALL TREES TO BE REMOVED SHALL BE MADE BY THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO REMOVAL. THERE WILL BE NO UNDERGROWTH REMOVED UNLESS DESIGNATED BY OWNER/ENGINEER.

18. ANY FENCE INTERFERING WITH THE NORMAL CONSTRUCTION OF THE PROPOSED SEWER ARE TO BE REMOVED AND REPLACED BY THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR THE PAY ITEM SHALL INCLUDE THE SALVAGING AND NEW MATERIAL REQUIRED TO REPLACE ALL EXISTING FENCE TO A CONDITION AS GOOD AS OR BETTER THAN EXISTING PRIOR TO THE CONSTRUCTION.

19. WHERE IT IS NECESSARY TO REMOVE AND RESET EXISTING MAILBOXES AND ASSEMBLIES, THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 611 OF THE INDOT STANDARD SPECIFICATIONS AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST FOR ALL LABOR, MATERIALS AND EQUIPMENT FOR SUCH WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEM.

20. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED AS SHOWN, SPECIFIED OR DIRECTED BY THE ENGINEER. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.

21. ALL LAWN AND OTHER GRASS AREAS DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE MULCH SEEDED IN ACCORDANCE WITH SECTION 621 OF THE INDOT STANDARD SPECIFICATIONS. ANY AREAS DISTURBED BEYOND THE RIGHT-OF-WAY LINE SHALL BE SODDED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE PROPERTY OWNER.

22. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED OR DIRECTED BY THE ENGINEER.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ALL DAMAGE TO ROADWAYS AND PRIVATE PROPERTY CAUSED BY HIS, OR HER, SUBCONTRACTOR FORCES.

24. IF SOILS ENCOUNTERED DURING ANY SOIL EXCAVATION OPERATIONS ARE SUSPECTED OF CONTAINING CONTAMINATION, THE CONTRACTOR SHALL STOP ALL WORK ACTIVITIES AND SHALL NOTIFY THE OWNER AND ENGINEER FOR FURTHER EVALUATION AND, IF NECESSARY, PROPER REMEDIATION AND DISPOSAL.

25. THE TOPOGRAPHIC SURVEY FOR THIS PROJECT WAS COMPLETED IN 2018.

UTILITIES

CITIZENS ENERGY GROUP - WATER
CONTACT: SCOTT RITTER
PHONE: (317) 927-4434
ADDRESS: 2150 DR. MARTIN LUTHER KING JR ST
INDIANAPOLIS, IN 46200
EMAIL: SRITTER@CITIZENSENERGYGROUP.COM

NINE STAR CONNECT - TELEPHONE
CONTACT: JASON WARRICK
PHONE: (317) 694-9305
ADDRESS: 2487 E. MAIN ST.
GREENFIELD, IN 46140
EMAIL: JWARRICK@NINESTARCONNECT.COM
EMERGENCY CONTACT: DAVE MCCORD
PHONE: (317) 498-4423

VECTREN (GREENFIELD)
CONTACT: SHAWN WILLIAMS
PHONE: (317) 790-8475
ADDRESS: 16000 ALLISONVILLE RD.
NOBLESVILLE, IN 46060
EMAIL: SHAWN.WILLIAMS@CENTERPOINTENERGY.COM
EMERGENCY CONTACT: (800) 227-1376

IP&L (ELECTRIC)
CONTACT: JIM DUVALL
PHONE: (317) 261-8694
ADDRESS: 1230 W. MORRIS ST.
INDIANAPOLIS, IN 46221
EMAIL: JIM.DUVALL@AES.COM
EMERGENCY CONTACT: (317) 261-8111

McCORDSVILLE UTILITES (SEWER)
CONTACT: RON CRIDER
PHONE: (317) 538-4408
ADDRESS: 6280 W. 800 N.
McCORDSVILLE, IN 46055
EMAIL: RCRIDER@MCCORDSVILLE.ORG

SYMBOL LEGEND

WATER MANHOLE
WATER VALVE
GAS MANHOLE
GAS VALVE
ELECTRIC MANHOLE
ELECTRIC POLE
GUY WIRE
COMMUNICATIONS HANDHOLE
COMMUNICATIONS MANHOLE
COMMUNICATIONS MARKER
FIBER OPTIC MARKER
STREET SIGN
MAIL BOX
MAG NAIL/REBAR
TREE
BUSH
SHRUB

NOTE: SEE SURVEY SHEETS, APPENDIX "A" FOR LAYOUT INFORMATION.

AMY R. MOORE REGISTERED No. 9800378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	12/03/2020 DATE
DESIGNED: BASH	DRAWN: JFM	
CHECKED: ARM	CHECKED: BASH	

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

GENERAL NOTES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	02 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\01-General Sheets\
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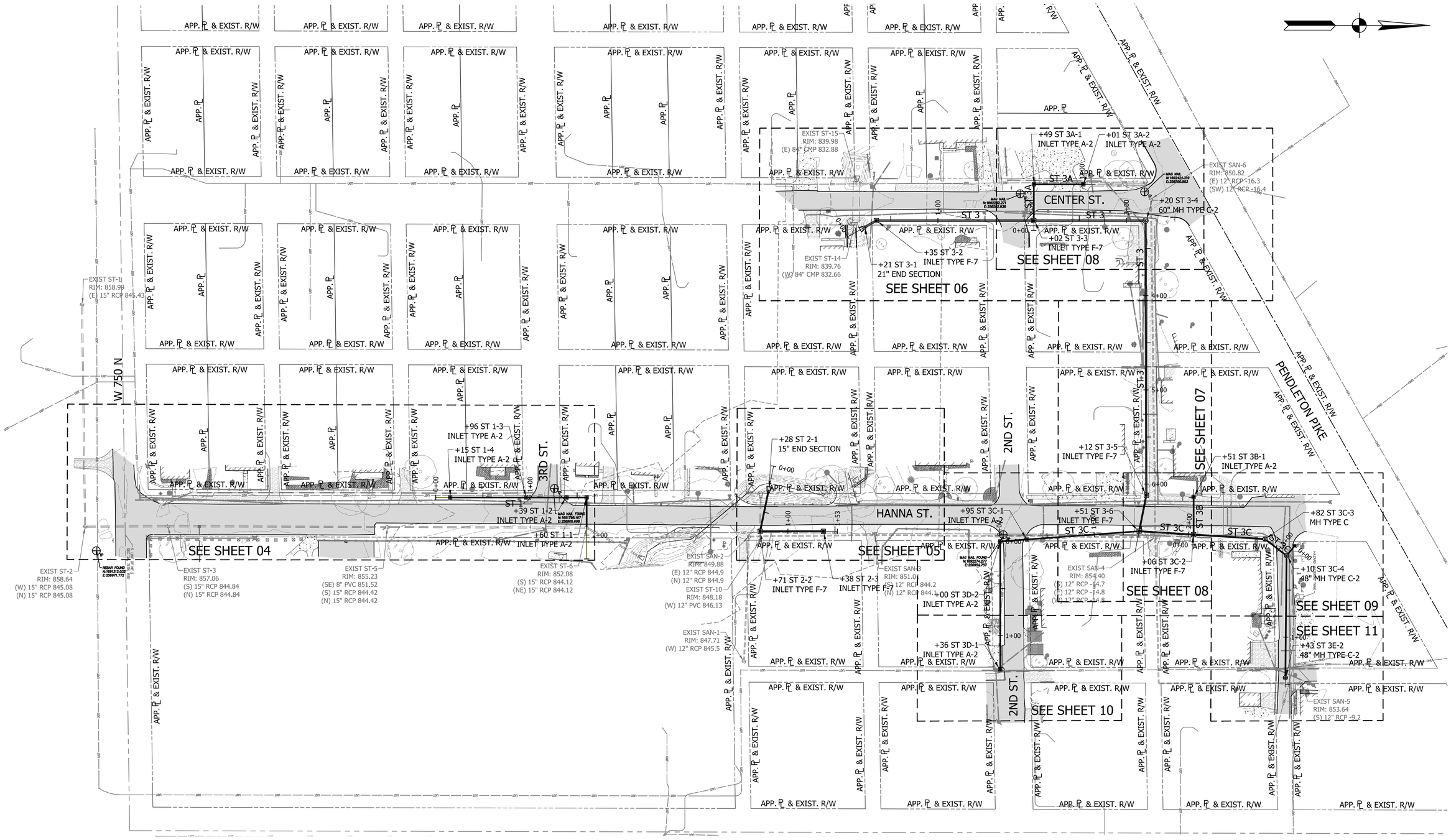
PLOTTED BY...JMowery
DATE.....Dec 04,2020 - 3:07pm



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AMY R. MOORE
REGISTERED
No. 9800378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	Amy R. Moore — DESIGN ENGINEER	12/03/2020 — DATE
DESIGNED: BASH	DRAWN: JFM	
CHECKED: ARM	CHECKED: BASH	

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

OVERALL LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	03 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\01-General Sheets\
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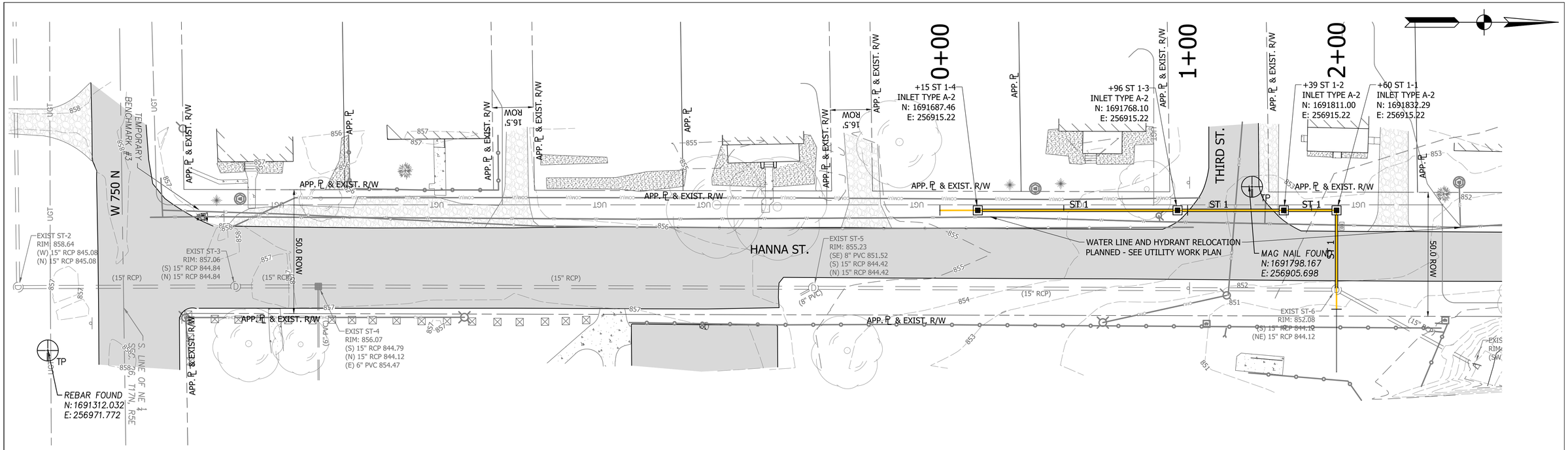

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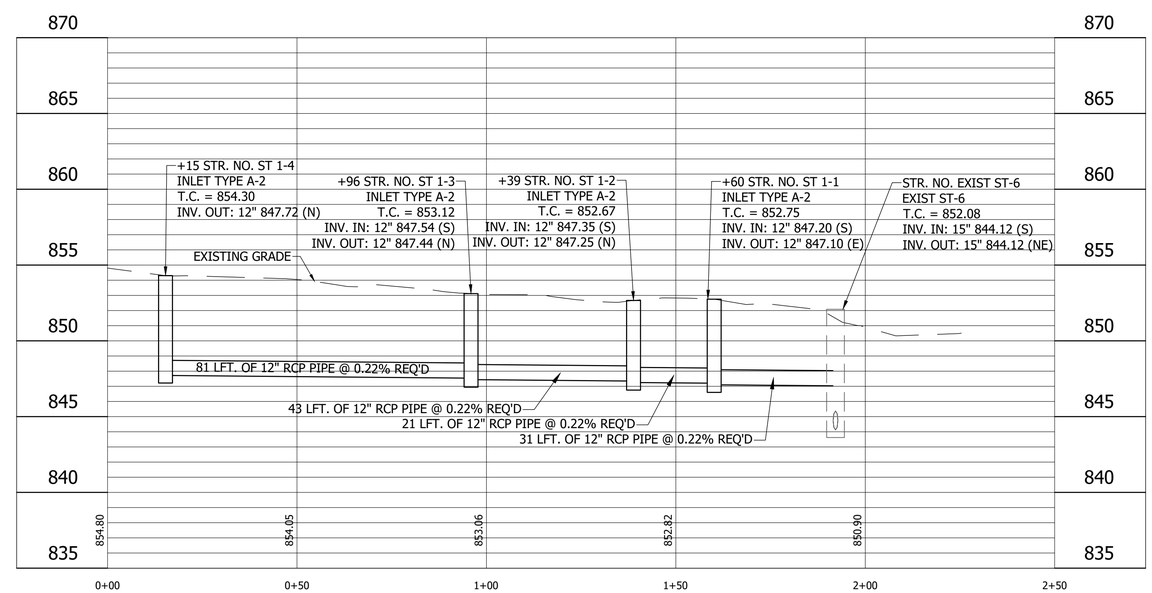

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CHECKED: ARM	CHECKED: BASH	

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 1
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	04 of 15
CONTRACT	PROJECT
	14-3215

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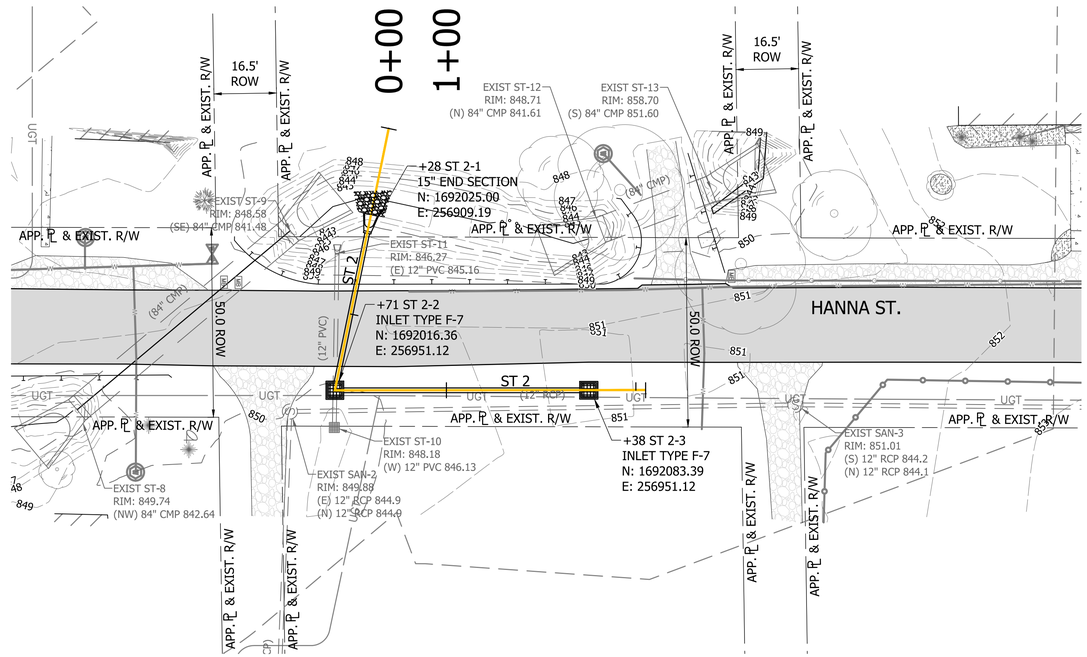

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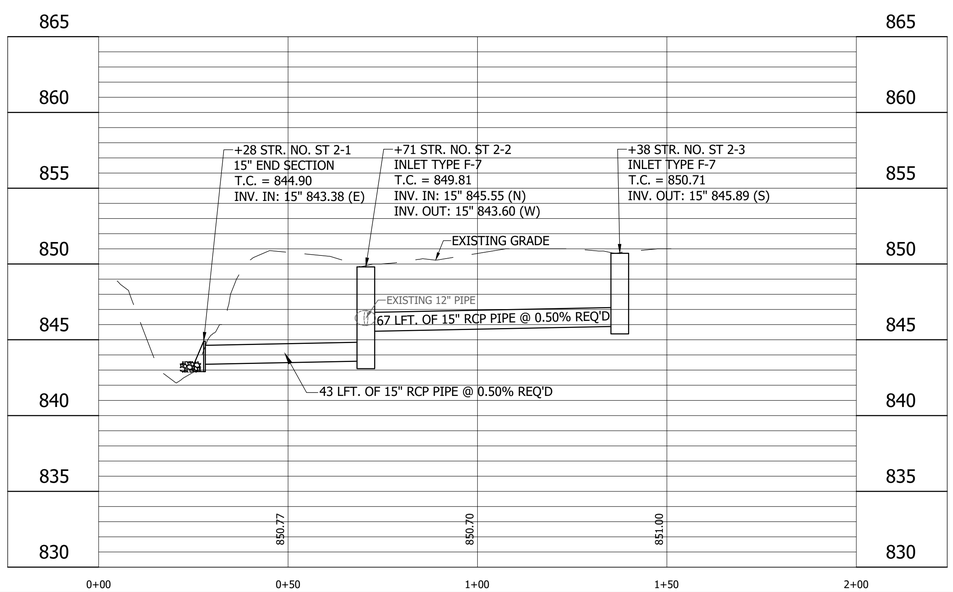

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HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 2
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	05 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
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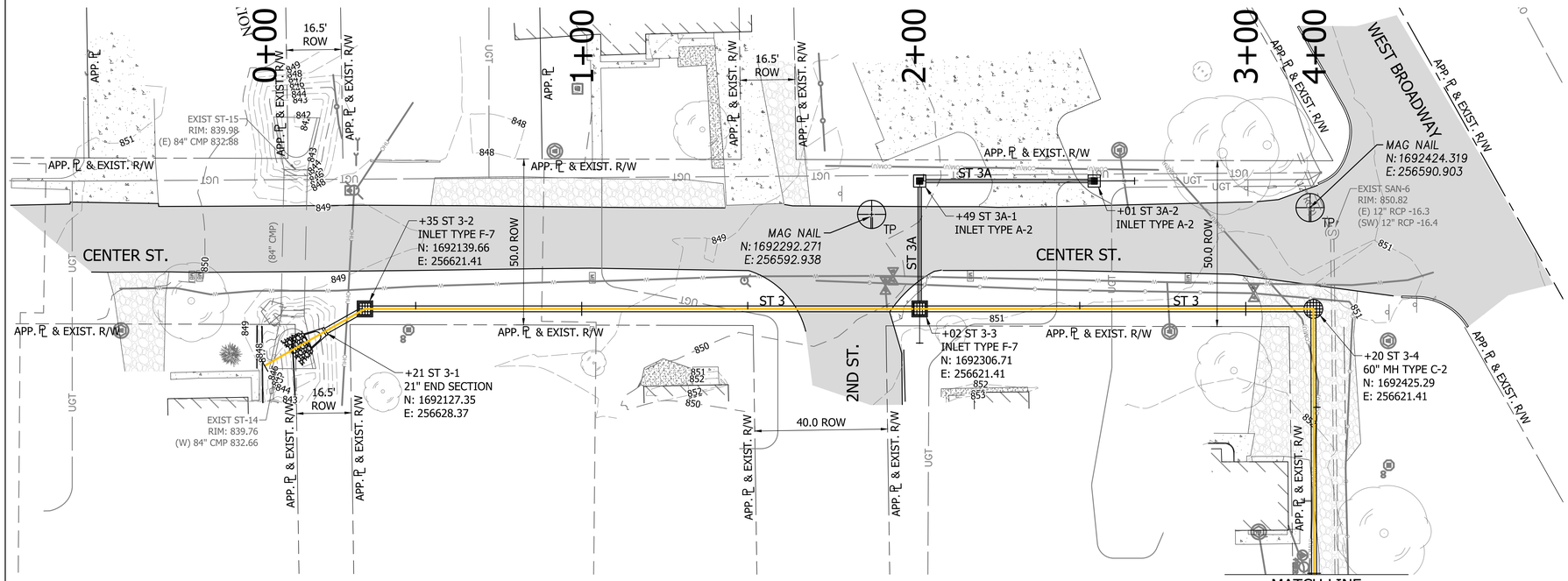

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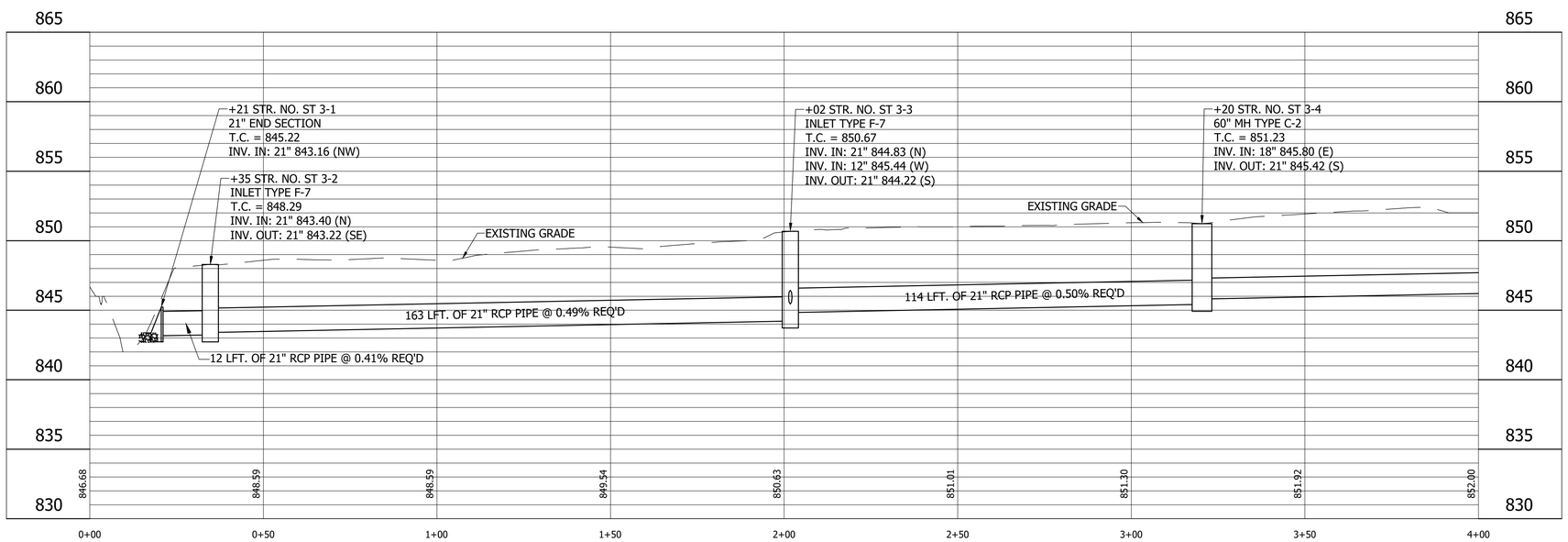

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HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 3
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	06 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
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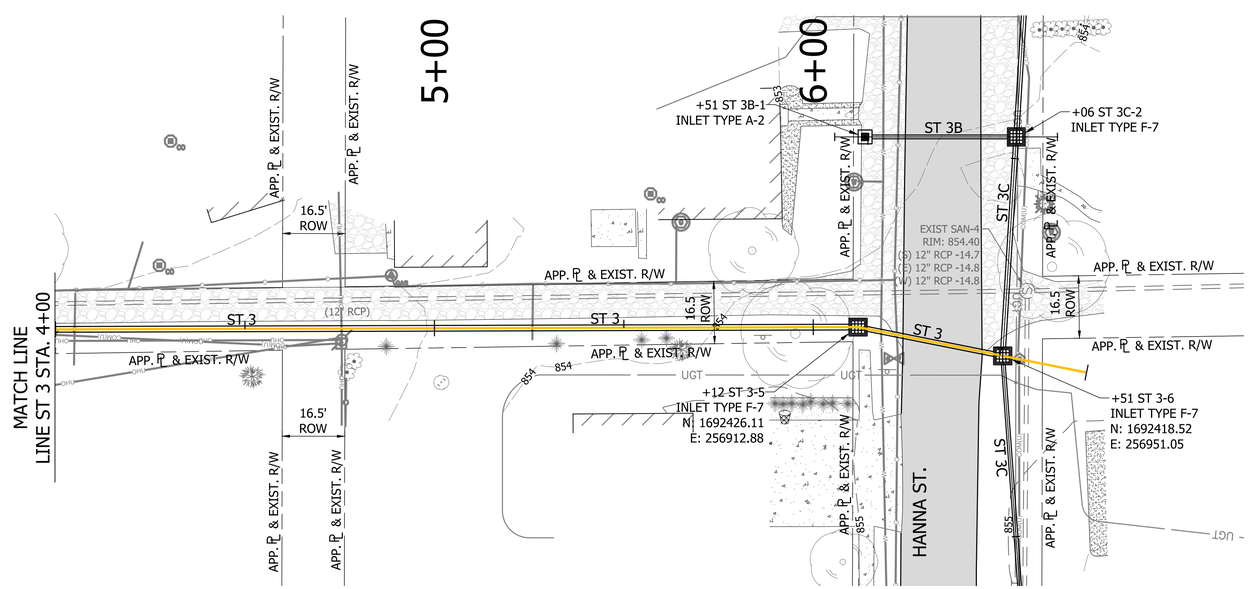

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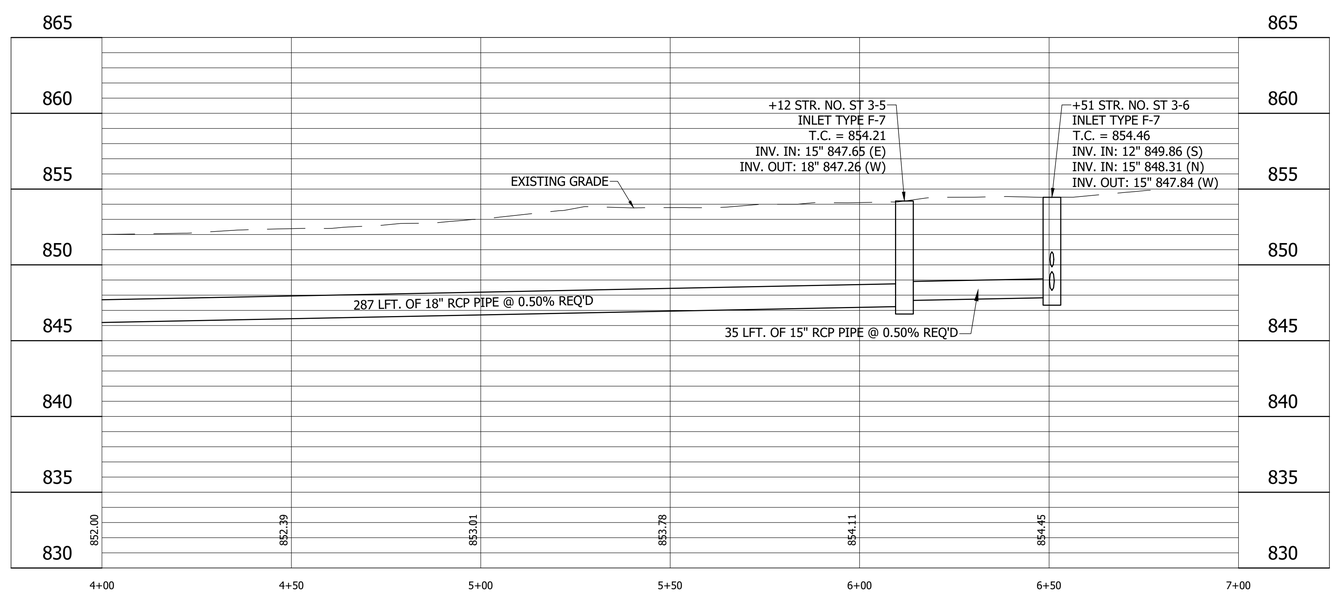

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CHECKED: ARM	CHECKED: BASH		

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 3
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	07 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
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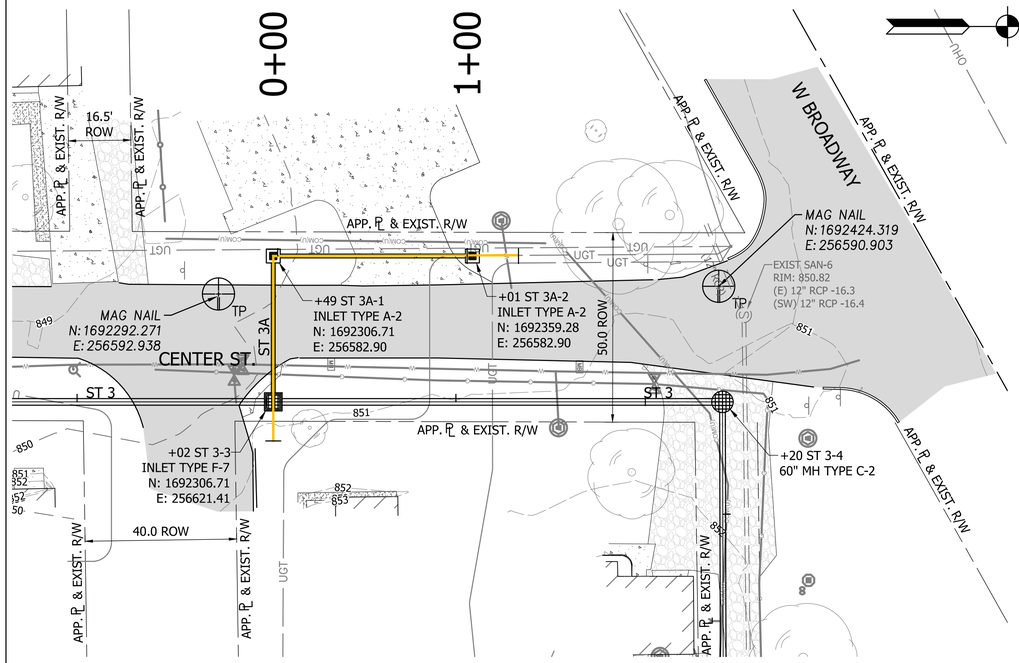

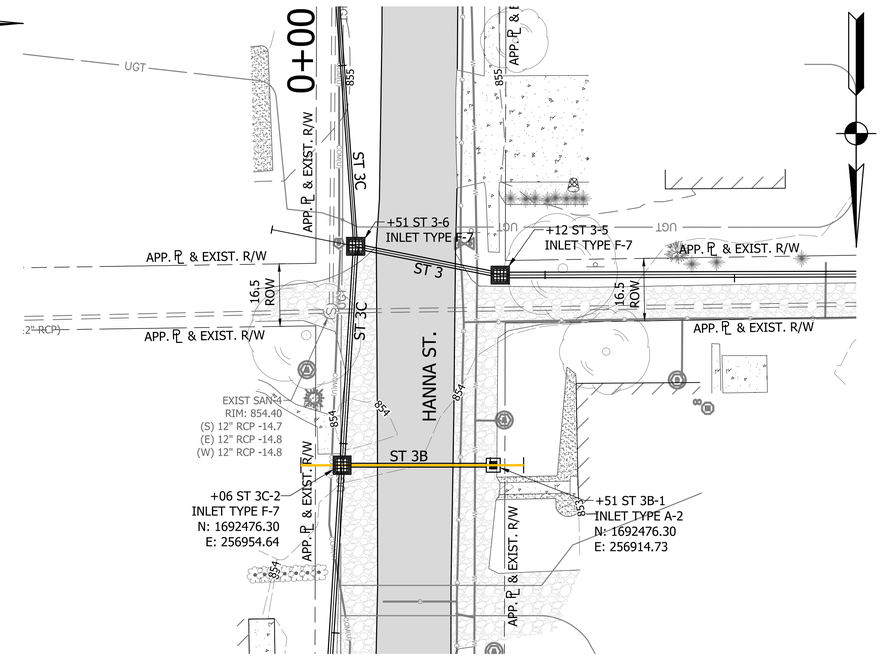

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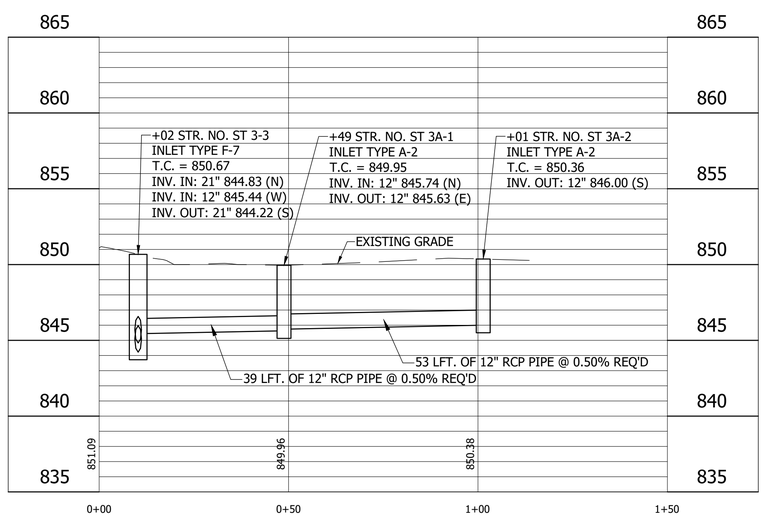

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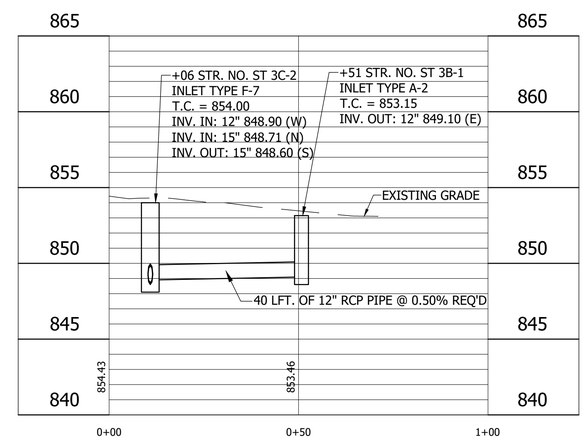

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CHECKED: ARM	CHECKED: BASH		

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 3A AND LINE ST 3B
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	08 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
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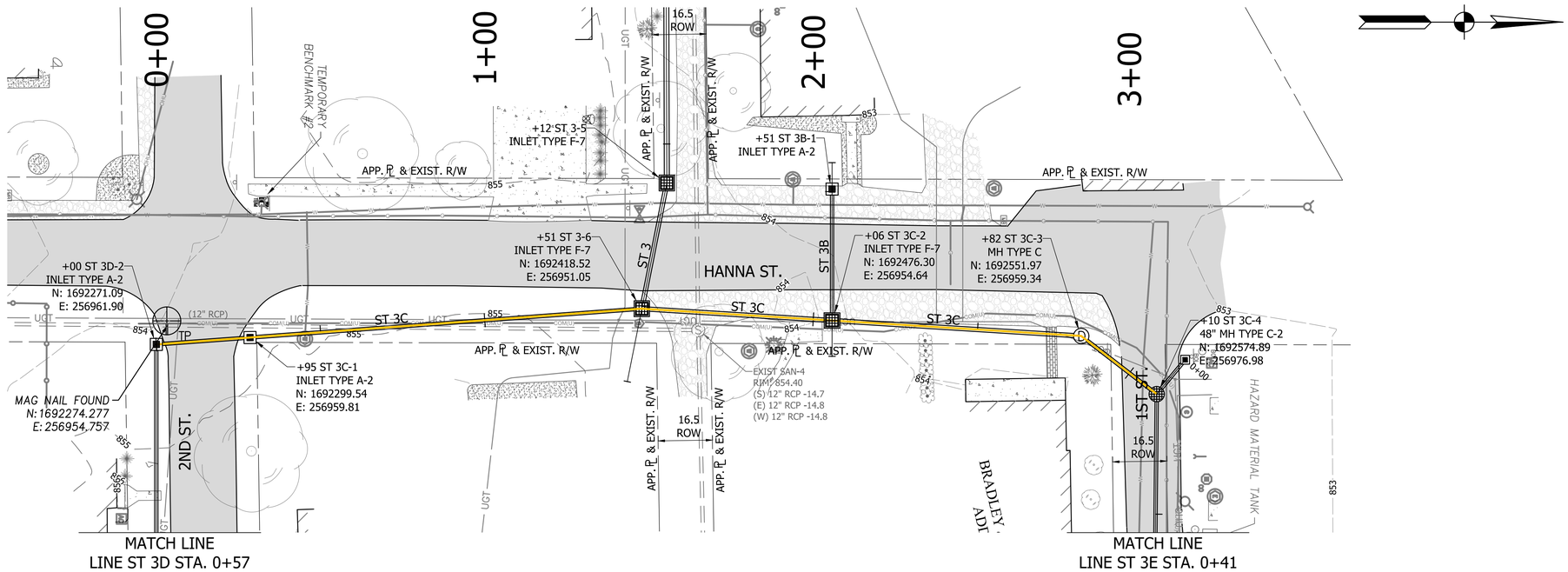

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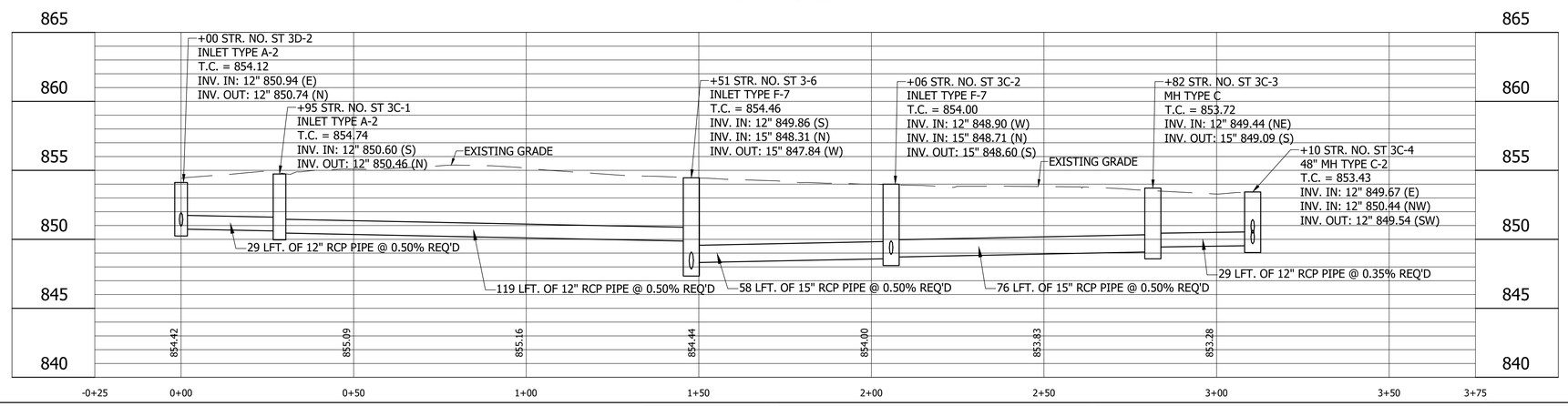

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HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 3C
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	09 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
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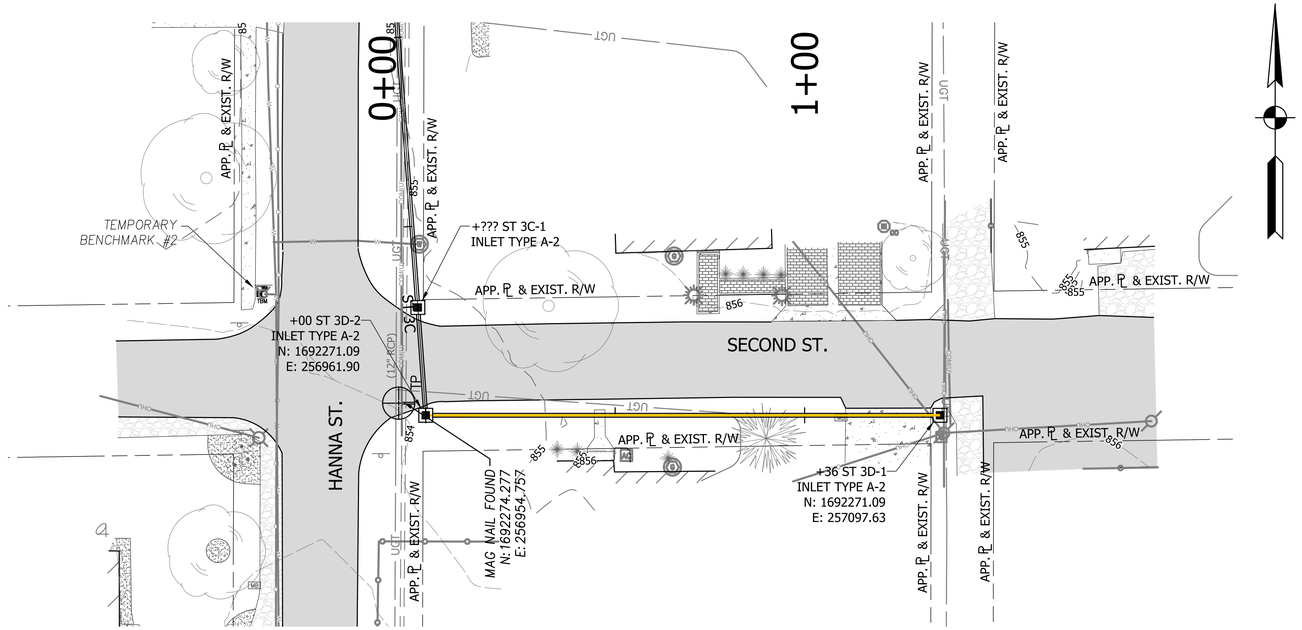
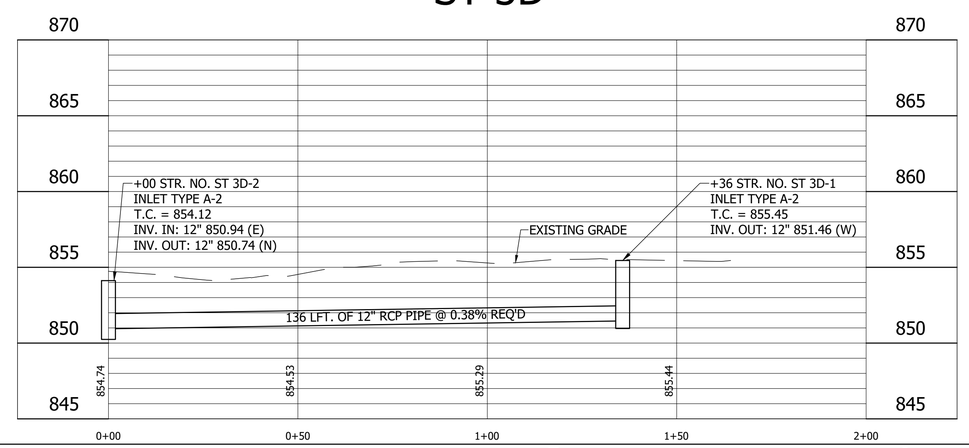
PLOTTED BY..JMowery
DATE.....Dec 04,2020 - 3:08pm



ST 3D



NOTE: SEE SURVEY SHEETS, APPENDIX "A" FOR LAYOUT INFORMATION.

AMY R. MOORE
REGISTERED
No. 9800378
STATE OF INDIANA
PROFESSIONAL ENGINEER

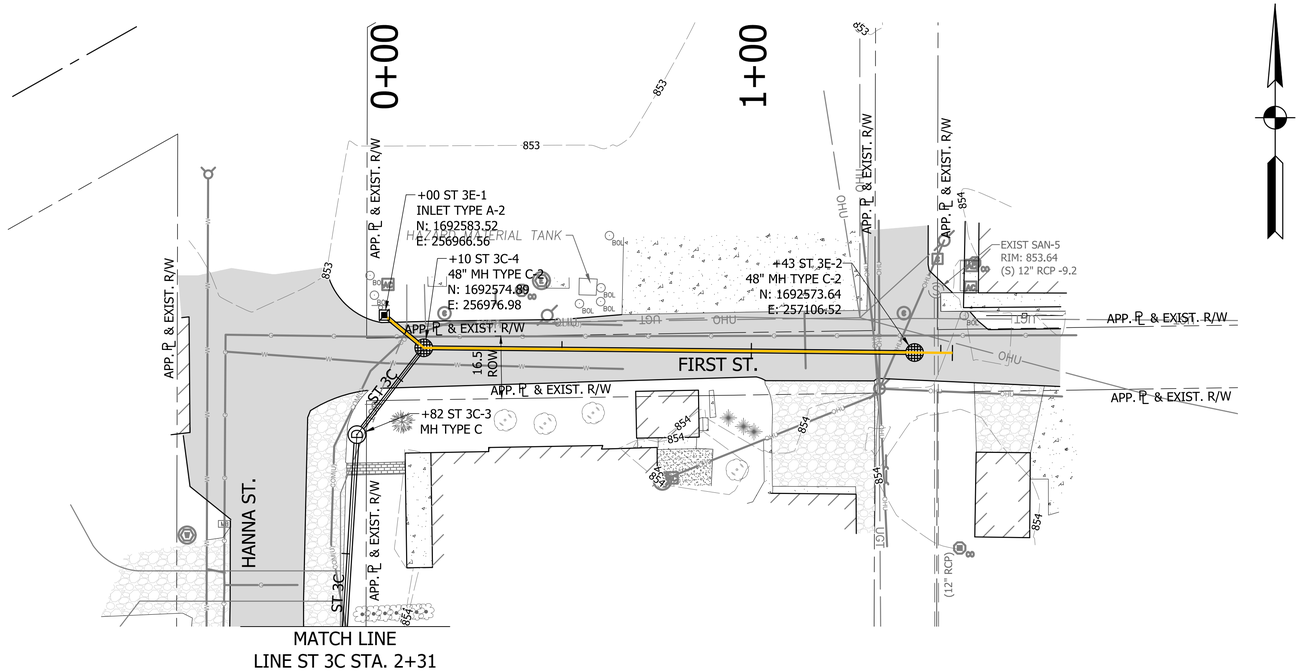
RECOMMENDED FOR APPROVAL	Amy R. Moore — DESIGN ENGINEER	12/03/2020 DATE
DESIGNED: BASH	DRAWN: JFM	
CHECKED: ARM	CHECKED: BASH	

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

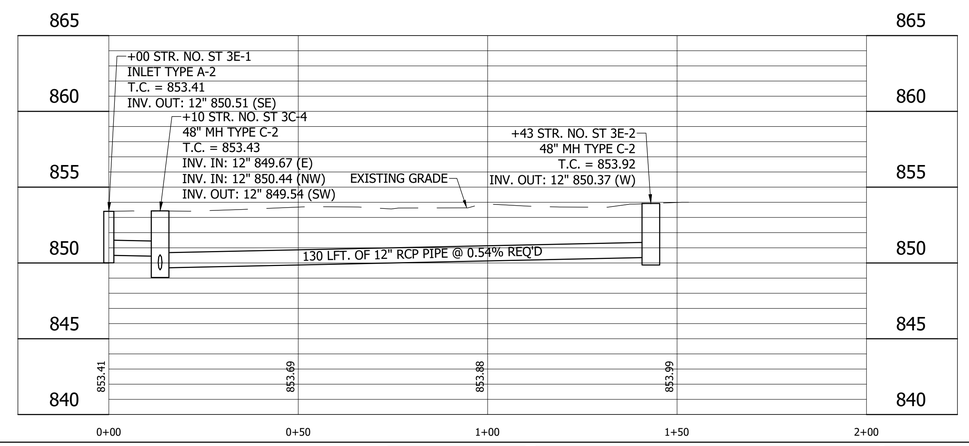
LINE ST 3D
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	10 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
FILE.....14-3215 PP-ST03D.dwg
DIMSCALE..20 LTSCALE....20
PLOTTED BY..JMowery
DATE.....Dec 04,2020 - 3:09pm



ST 3E



NOTE: SEE SURVEY SHEETS, APPENDIX "A" FOR LAYOUT INFORMATION.

AMY R. MOORE
REGISTERED
No. 9800378
STATE OF INDIANA
PROFESSIONAL ENGINEER

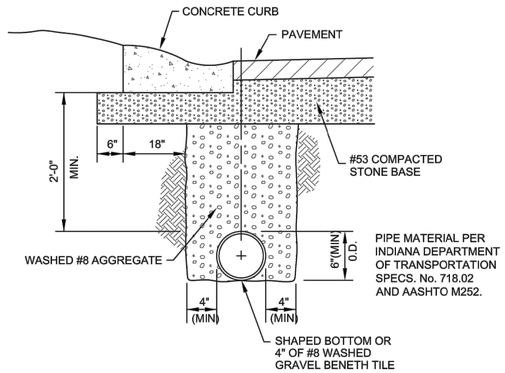
RECOMMENDED FOR APPROVAL	Amy R. Moore DESIGN ENGINEER	12/03/2020 DATE	
DESIGNED: BASH	DRAWN: JFM		
CHECKED: ARM	CHECKED: BASH		

HANNA AVENUE STORM SEWER
HANCOCK COUNTY, INDIANA

LINE ST 3E
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SURVEY BOOK	SHEETS
	11 of 15
CONTRACT	PROJECT
	14-3215

DIRECTORY....F:\2014\14-3215 McCordsville OnCall Engineering\Task Order #5-Hanna Ctr Storm Sewer\30 SheetDrawings\04-Plan and Profiles\
FILE.....14-3215 PP-ST03E.dwg
DIMSCALE..20 LTSCALE....20
PLOTTED BY..JMowery
DATE.....Dec 04,2020 - 3:09pm



UNDERDRAIN DETAIL

SCALE: NONE

1. THE EXISTING PAVEMENT IS TO BE SAW CUT TO PROVIDE A CLEAN JOINT.

2. TRENCH SPOIL IS TO BE REMOVED FROM THE WORK SITE AND DISPOSED OF OUT OF THE RIGHT-OF-WAY AT A PREDESIGNATED APPROVED AREA.

3. FLOWABLE FILL IS TO BE POURED INTO THE TRENCH TO SERVE AS BACKFILL, TO THE DIMENSIONS AND SPECIFICATIONS LISTED IN THIS DETAIL.

4. THE ASPHALT PATCH IS TO CONSIST OF A MINIMUM OF 5 (FIVE) INCHES OF #8 HAC BITUMINOUS BINDER AND 1 (ONE) INCH OF #11 HAC BITUMINOUS SURFACE. IF THE EXISTING PAVEMENT IS THICKER THAN 6 (SIX) INCHES, ADDITIONAL BINDER IS TO BE USED TO MATCH THE EXISTING PAVEMENT THICKNESS. IN NO CASE IS LESS THAT 6 (SIX) INCHES OF ASPHALT TO BE USED.

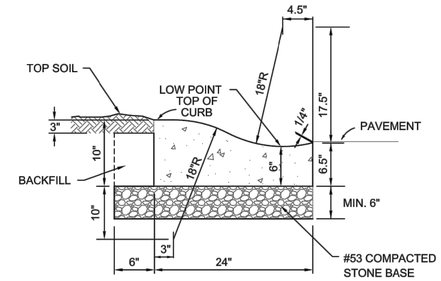
5. THE EXISTING PAVEMENT IS TO BE TACK COATED PRIOR TO THE LAYING OF NEW ASPHALT. TACK COAT IS TO BE APPLIED AS SPECIFIED IN THE LATEST INDOT SPECIFICATIONS, SECTIONS 409 AND 902.

6. THE NEW SURFACE IS TO BE SLOPED AT THE SAME RATE AS THE EXISTING SURFACE.

7. A 2 (TWO) INCH WIDE BAND OF CRACK SEALANT IS TO BE APPLIED ALONG THE JOINT BETWEEN THE EXISTING AND NEW ASPHALT SURFACE. SEALANT IS TO BE APPLIED IN ACCORDANCE WITH INDOT SPECIFICATIONS, SECTION 305.

8. THE FLOWABLE FILL MIX IS TO CONTAIN, FOR EVERY CUBIC YARD OF BATCH MATERIAL, NO MORE THAN 50 LBS OF PORTLAND CEMENT, NO MORE THAN 500 LBS OF WATER.

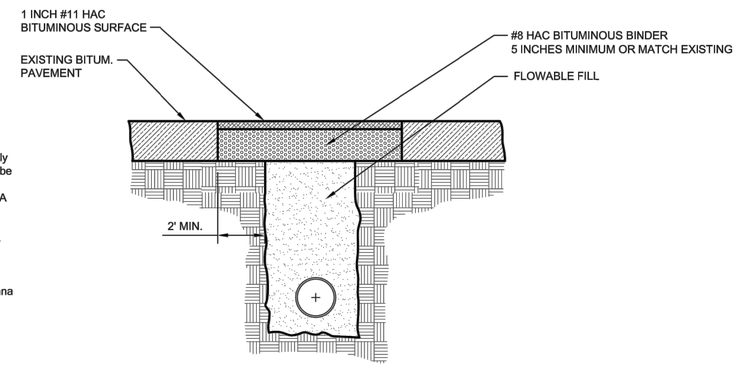
9. THE COMPRESSIVE STRENGTH OF THE FLOWABLE FILL IS NOT TO EXCEED 100 PSI AT 28 DAYS.



(TYPE I)

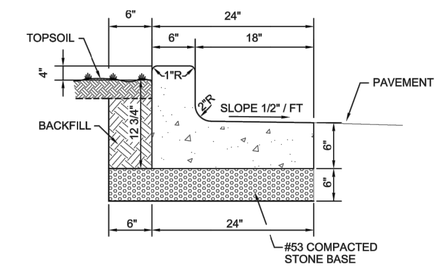
2' CONCRETE ROLL CURB & GUTTER

SCALE: NONE



ROAD CUT PATCH DETAIL

NOT TO SCALE



(TYPE II)

2' COMBINED CONCRETE CURB AND GUTTER

SCALE: NONE

STREET SIGN STANDARDS

All traffic and road name signs in and as a result of a major subdivision or a minor subdivision with newly constructed streets, shall be supplied and installed by the developer. The placement of the signs shall be as shown on the traffic sign plan that is to be submitted with the construction drawings. The traffic sign plan shall show the type of sign, size of sign, location of sign with dimensions and the streets to scale. A five (5) year maintenance bond shall be posted on the signs. The installer or developer shall notify the Town Engineer in writing when the signs are installed, so they can be inspected. Also include the date and time of installation of each sign. The plat shall not be recorded until the signs have been accepted.

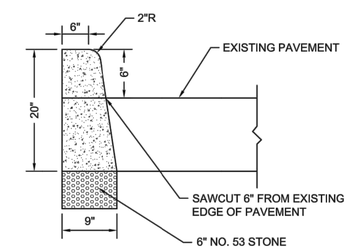
TRAFFIC SIGNS
1.) Traffic signs shall be designed and installed to conform with the applicable requirements of the Indiana Manual of Uniform Traffic Control Devices, latest edition.
2.) No spliced sheeting unless acceptable by the Indiana Department of Transportation standard specifications, latest edition.
3.) Reflective sheeting for traffic signs shall be encapsulated lens (high intensity).
4.) Posts used for traffic signs shall be 3 lb. galvanized channel posts.
5.) Traffic sign height shall comply with the Indiana Manual of Uniform Traffic Control Devices, latest edition.
6.) Posts shall be installed with no less than three (3) feet of post in the ground.
6.) Backing material will be made of sheet aluminum.
7.) Bolts for mounting shall be 5/16" galvanized, stainless steel or plated carriage bolts.
8.) The number of posts for mounting and the minimum thickness or gage of sheet shall be as shown for the appropriate sign width:

WIDTH(inches)	NO. OF POSTS	THICKNESS (inches) ALUMINUM SHEET
Up to 24"	1	0.080
25" to 30"	1	0.080
31" to 60"	2	0.100
61" and over	2	0.125

STREET NAME SIGNS
1.) Intersections shall have one (1) road name sign for each street.
2.) All road name signs shall be made of an aluminum extruded blade.
4.) Reflective sheeting for road name signs shall be inclosed lens (high intensity), green in color.
5.) Letters and numerals for the road name signs shall be high intensity reflective sheeting, series B letters, and white in color.
3.) Posts used for road name signs shall be 2 lb. galvanized channel posts.
6.) Minimum height to bottom of sign for road name signs shall be seven (7) feet.
7.) Posts shall be installed with no less than three (3) feet of post in the ground.
8.) Material for posts shall be galvanized steel.
7.) Bolts for mounting shall be 5/16" galvanized, stainless steel or plated carriage bolts.

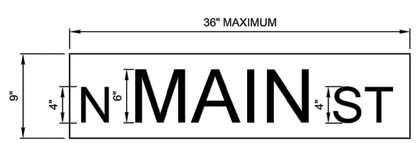
TYPICAL PAVEMENT TIE-IN

SCALE: NONE



CONCRETE CURB (BARRIER)

SCALE: NONE



ROAD NAME SIGN DETAIL

SCALE: NONE

SHEETS		
12	of	15
PROJECT		
14-3215		

REVISIONS		
REV. NO.	DESCRIPTION	DATE

MARK J. WITSMAN REGISTERED No. 10100264 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMEND FOR APPROVAL	DESIGN ENGINEER	7/12/05 DATE
APPROVED	PUBLIC WORKS COMMISIONER	7/12/05 DATE
APPROVED	TOWN COUNCIL PRESIDENT	7/12/05 DATE

TOWN OF McCORDSVILLE

TOWN STANDARDS RIGHT-OF-WAY DETAILS

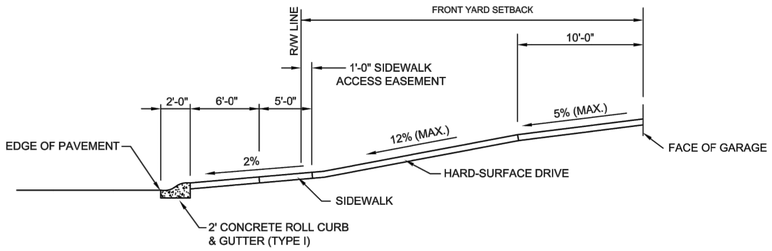
SHEET 3 OF 10

RESIDENTIAL DRIVES

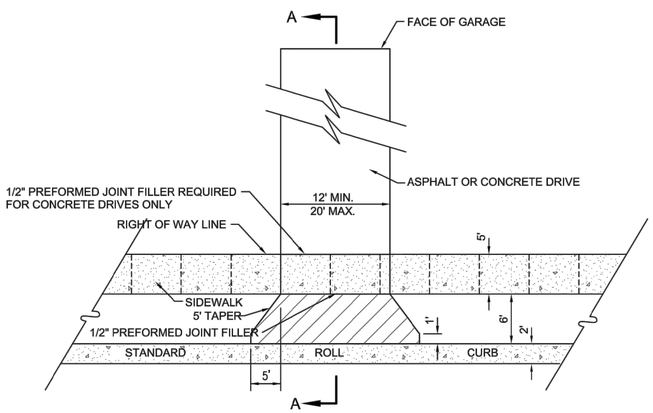
1.) THE MAXIMUM ALGEBRAIC DIFFERENCE IN GRADE FOR ANY 10 FOOT INTERVAL SHALL NOT EXCEED 8% FOR CREST VERTICAL CURVES. NOR 10% FOR SAG VERTICAL CURVES.

2.) ALL LOTS SHALL DRAIN TO ADJACENT STREETS EXCEPT WITH THE PRIOR APPROVAL OF THE PUBLIC WORKS COMMISSIONER.

3.) CONCRETE DRIVES REQUIRE CONTROL JOINTS EVERY 10 FEET EACH WAY.



SECTION "A-A"



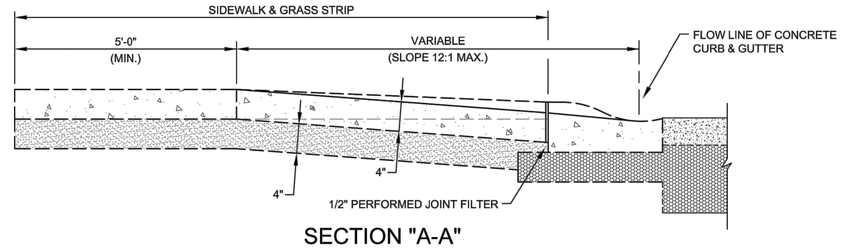
1. CROSS HATCHED AREAS SHALL BE EITHER 6" PLAIN CONCRETE OR 1" SURFACE ON 2" BITUMINOUS BASE ON 4" #53 COMPACTED AGGREGATE BASE, EXTENDING TO THE SIDEWALK OR R/W LINE WHICHEVER IS NEAREST TO THE ROADWAY.

2. SUBGRADE UNDER ALL SIDEWALKS AND DRIVES SHALL BE IN ACCORDANCE WITH SECTION 207.02 OF CURRENT INDOT STANDARD SPECIFICATIONS.

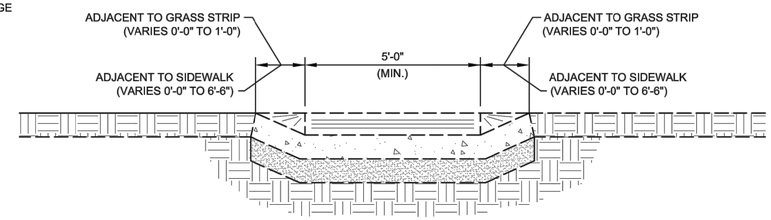
3. SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE STANDARD AND SHALL BE CONTINUOUS ACROSS THE DRIVEWAY. SIDEWALK SECTION ACROSS DRIVEWAY SHALL BE SAME THICKNESS AS DRIVEWAY WITH A 6-INCH MINIMUM.

RESIDENTIAL DRIVEWAY DETAIL

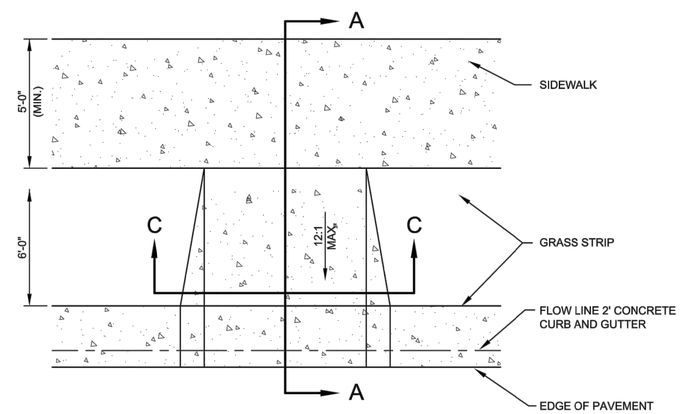
SCALE: NONE



SECTION "A-A"



SECTION "C-C"



HANDICAP RAMP CONSTRUCTION

SCALE: NONE

HANDICAP RAMP CONSTRUCTION

1.) All handicap ramps shall meet the requirements of the American Disabilities Act, the most recent INDOT standard specifications, and the Town of McCordsville's most recent standards. Curb modifications required for handicap ramps shall be provided at time of initial construction.

2.) Minimum width of curb ramp shall be 5 feet not including flares. Maximum slope of ramps and flares shall be 12:1.

3.) Handicap ramps are to be located as shown on the plans or as directed by the Public Works Commissioner.

4.) Ramps shall be provided at the centerline of radius at all corners of every street intersection where there is an existing or proposed sidewalk and curb. Ramps shall also be provided at walk locations at mid-block in vicinity of hospitals, medical centers, or athletic stadiums. The use of details contrary to those shown hereon shall require the prior written approval of the Public Works Commissioner.

5.) Surface texture of the ramp shall be ramp groves located 2" on center and 0.3" deep.

6.) Care shall be taken to assure a uniform grade on all ramps with no breaks in grade.

7.) Drainage structures shall not be placed in line with the ramps except where existing drainage structures are being utilized in the new construction. Location of the ramps shall take precedence over location of drainage structures.

8.) The normal gutter line profile shall not be maintained through the area of the ramp. Drainage inlets should be located uphill from the curb ramps to prevent puddles at the path of travel.

9.) Expansion joint for the ramp shall be a maximum 1/2" wide. The top of the joint filler for all ramp types shall be flush with adjacent concrete.

10.) Crosswalk and stop line marking, if used, shall be so located as to stop traffic short of ramp crossing.

SIDEWALK CONSTRUCTION

1.) Sidewalks shall be constructed of plain concrete four (4) inches thick except where crossing driveways where the sidewalk shall be a minimum of six (6) inches thick.

2.) Sidewalks shall be constructed on 2" of crushed stone or sand.

3.) Control joints shall be placed every 5 feet on center.

4.) Expansion joints shall be placed every 40 feet on center.

5.) Broom finish across the direction of travel and include a 1" steel trowel finish along both sides of the sidewalk and along either side of all expansion and control joints.

SHEETS		
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PROJECT		
14-3215		

REVISIONS		
REV. NO.	DESCRIPTION	DATE

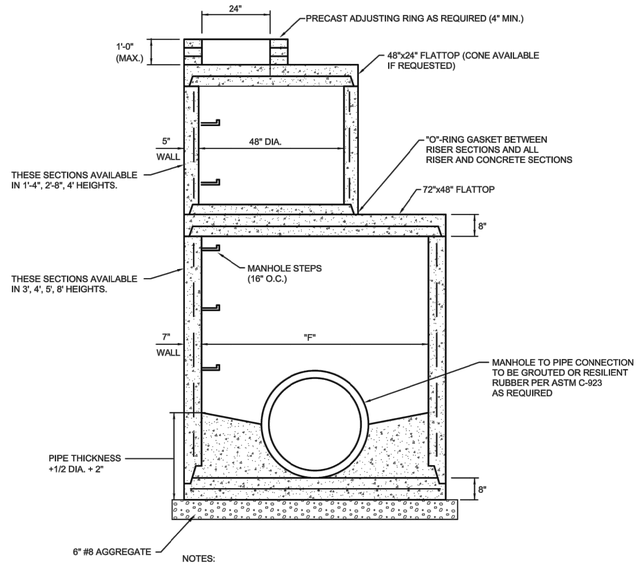
MARK J. WITSMAN REGISTERED No. 10100264 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMEND FOR APPROVAL	DESIGN ENGINEER	7/12/05 DATE
APPROVED	PUBLIC WORKS COMMISIONER	7/12/05 DATE
APPROVED	TOWN COUNCIL PRESIDENT	7/12/05 DATE

TOWN OF McCORDSVILLE

TOWN STANDARDS DRIVE WAY AND HANDICAP RAMP DETAILS

SHEET 5 OF 10



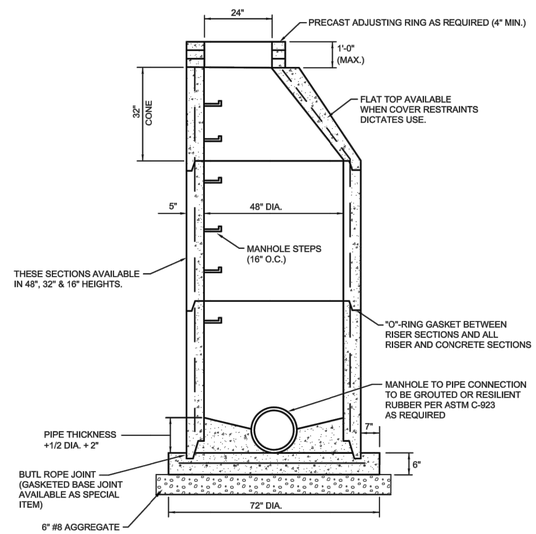
NOTES:

1.) MANHOLE CONFORMS TO A.S.T.M. C-478.

2.) TONGUE AND GROOVE JOINT WITH MASTIC, BUTYL ROPE OR GASKETED PER ASTM C-443 AS REQUIRED.

MANHOLE TYPE	MANHOLE DIAMETER "F"	MAXIMUM PIPE SIZE	
		PIPE ENTERING / PIPE EXITING AT 0°-45° BEND	PIPE ENTERING / PIPE EXITING AT 45°-90° BEND
J	60"	36"	33"
K	72"	48"	36"
L	96"	54"	48"
M	102"	72"	66"
N	108"	84"	72"

STORM MANHOLES TYPE "J - K - L - M & N"
NOT TO SCALE



NOTE:

1.) MANHOLE CONFORMS TO A.S.T.M. C-478.

MAXIMUM PIPE SIZE	
PIPE ENTERING / PIPE EXITING AT 0°-45° BEND	PIPE ENTERING / PIPE EXITING AT 45°-90° BEND
24"	21"

STORM MANHOLES TYPE "C"
NOT TO SCALE

MANHOLE NOTES:

1.) Type "J, K, L, M & N" manholes as detailed hereon require a certain minimum depth. In cases where the depth of the storm sewer is not sufficient to meet the minimum depth as by the detail, "F" diameter manhole section may be used required by the detail, "F" diameter manhole section may be used throughout the depth of the manhole.

2.) Manholes shall conform to ASTM C-478. Joints shall conform to ASTM C-443. The use of cast-in-place concrete structures shall require the prior written approval of the Town Engineer. Regardless of the type of casting used, the casting shall be centered over the manhole steps.

3.) Manhole steps shall be made from a steel reinforcing rod encapsulated in a copolymer polypropylene resin. The manhole steps shall equal or exceed OSHA requirements manhole steps, PS1-PF as manufactured by M.A. Industries, Inc. Peachtree City, Georgia, or approved equal.

CASTING NOTES:

1.) Castings which drain combined curb and gutter, Type II curbing shall be Neenah R-3286-8V or Neenah R-3287-10V or as approved by the Town Engineer. Manholes shall not be used to drain combined curb and gutter, Type II curbing.

2.) Castings which drain roll curb and gutter, Type I curbing shall be Neenah R-3501-TR, or Neenah R-3501-TL or as approved by the Town Engineer. Manholes shall not be used to drain roll curb and gutter, Type I curbing.

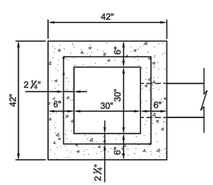
3.) Castings for inlets which drain open pavement areas without curbing shall be Neenah R-3402-E or as approved by the Town Engineer.

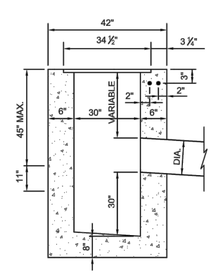
4.) Castings for manholes which drain open pavement areas without curbing shall be Neenah R-2501 or as approved by the Town Engineer.

5.) Castings for use on inlets or manholes which drain swales or dry bottom detention basins shall be Neenah R-2560 or as approved by the Town Engineer.

6.) Castings for manholes which do not collect surface water shall be Neenah R-1772-A or as approved by the Town Engineer.

7.) All castings shall be stamped "DUMP NO WASTE".





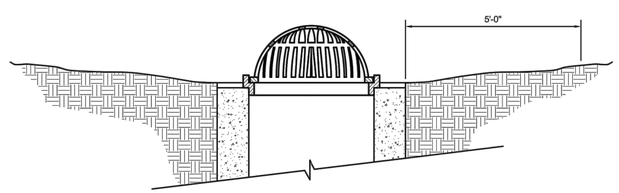
NOTE:

1.) STRUCTURE SHALL COMPLY WITH INDOT SPECIFICATIONS

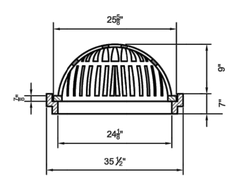
2.) MIMIMUM CONCRETE COMPRESSIVE STRENGHT 4000 PSI

3.) MAXIMUM OF FOUR 2" ADJUSTING SECTIONS, STRIKE CLEAN INSIDE

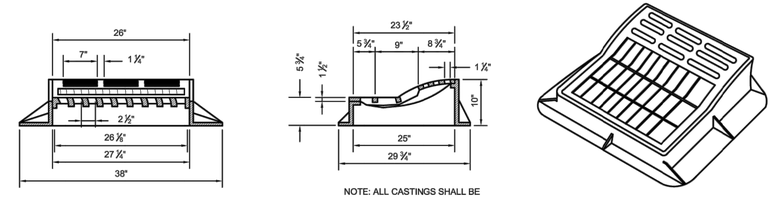
CATCH BASIN
NOT TO SCALE



NOTE: ALL CASTINGS SHALL BE STAMPED "DUMP NO WASTE"



BEEHIVE GRATE CASTING WITH FRAME - NEENAH R-2560-E2
NOT TO SCALE



NOTE: ALL CASTINGS SHALL BE STAMPED "DUMP NO WASTE"

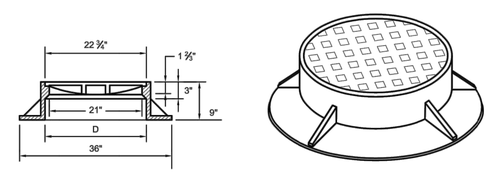
R-3501-T(L&R) NEENAH CURB INLET FRAME, GRATE & CURB BOX DETAIL
NOT TO SCALE

CATALOG NO.	D	Wt. Lbs.
R-1772	25"	250
R-1772-A	25"	285

HEAVY DUTY

FURNISHED WITH PLATEN LID, SIMILAR TO R-1706-1

NOTE: ALL CASTINGS SHALL BE STAMPED "DUMP NO WASTE"



STORM MANHOLE R-1772-A WITH CONCEALED PICK HOLES
NOT TO SCALE

SHEETS		
14	of	15
PROJECT		
14-3215		

REVISIONS		
REV. NO.	DESCRIPTION	DATE

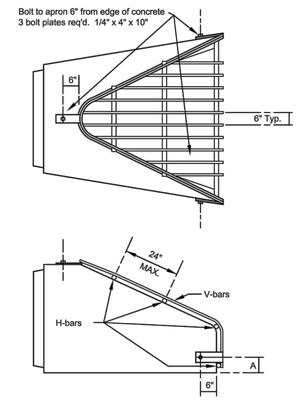
MARK J. WITSMAN REGISTERED No. 10100264 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMEND FOR APPROVAL	DESIGN ENGINEER	7/12/05 DATE
APPROVED	PUBLIC WORKS COMMISIONER	7/12/05 DATE
APPROVED	TOWN COUNCIL PRESIDENT	7/12/05 DATE

TOWN OF McCORDSVILLE

TOWN STANDARDS STORM SEWER STRUCTURE DETAILS

SHEET 6 OF 10

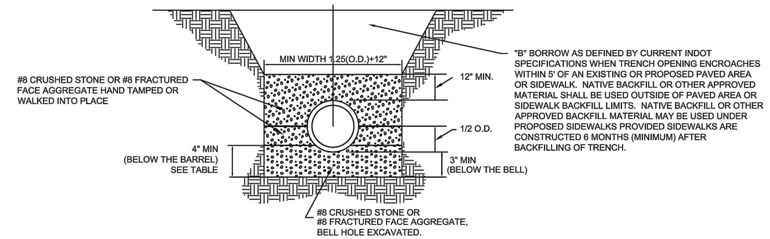


NOTES:

1. BARS & PLATES ARE HOT-ROLLED STEEL.
2. BARS, PLATES & PIPE ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
3. BOLTS ARE GALVANIZED.
4. SEE STD. PLATES A-10 & A-11 FOR APRON DIMENSIONS.
5. TRASH GUARDS WITH DIFFERENT DIAMETER BARS ARE AVAILABLE, SPECIAL ORDER.

TRASH GUARDS FOR CONCRETE APRONS

NOT TO SCALE

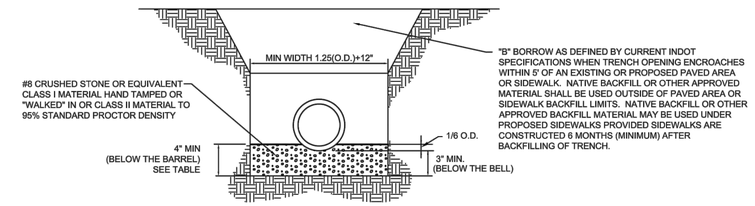


PIPE SIZE	8"-15"	18" & OVER
BEDDING BELOW THE PIPE BARREL	O.D./4 MIN=4"	O.D./4 MAX=8"

NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.

FLEXIBLE PIPE (HDPE & PVC) TRENCH DETAIL

NOT TO SCALE



PIPE SIZE	8"-15"	18" & OVER
BEDDING BELOW THE PIPE BARREL	O.D./4 MIN=4"	O.D./4 MAX=8"

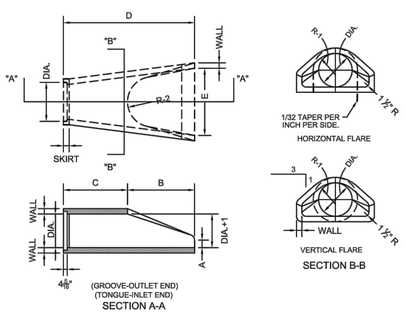
NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.

RIDGID PIPE (RCP) TRENCH DETAIL

NOT TO SCALE

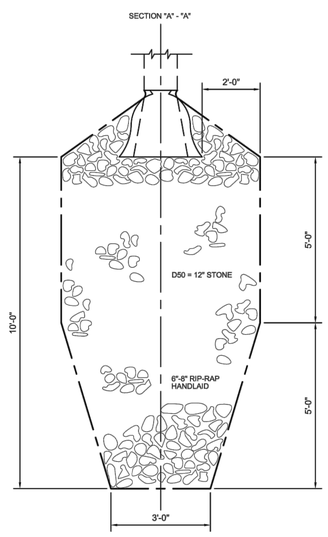
DIA.	WALL	G or T	WT. SEC	A	B	C	D	E	DIA. +1	R-1	R-2	SKIRT
12	2	1 1/2	530	4	24	48 1/8	72 7/8	24	13	10 1/16	9	3 1/2
15	2 1/4	2	740	6	27	46	73	30	16	12 1/2	11	3 1/2
18	2 1/2	2 1/2	990	9	27	46	73	36	19	15 1/2	12	4
21	2 3/4	2 1/4	1280	9	35	38	73	42	22	16 1/8	13	4
24	3	2 1/2	1520	9 1/2	43 1/2	30	73 1/2	48	25	16 11/16	14	4 1/2
27	3 1/4	2 1/2	1930	10 1/2	48	25 1/2	73 1/2	54	28	17 3/4	14 1/2	4 1/2
30	3 1/2	3	2190	12	54	19 3/4	73 3/4	60	31	18 5/16	15	5
33	3 3/4	3 3/8	3150	13 1/3	56 1/2	39 1/4	97 3/4	66	34	23 3/4	17 1/2	5 1/2
36	4	3 1/2	4100	15	63	34 3/4	97 3/4	72	37	24 1/16	20	5 1/2
42	4 1/2	3 3/4	5380	21	63	35	98	78	43	27 1/4	22	5 1/2
48	5	4 1/4	6550	24	72	26	98	84	49	28 1/8	22	5 3/4
54	5 1/2	4 3/4	8040	27	65	35	100	90	55	32 7/8	24	6 1/4
60	6	5	8750	30	60	39	99	96	61	36 3/4	24	6 3/4
66	6 1/2	5 1/2	10630	24	78	21	99	102	67	35 11/16	24	7 1/4
72	7	6	12520	34	78	21	99	108	73	38 5/8	24	7 3/4
78	7 1/2	6 1/2	14430	24	78	21	99	114	79	41 15/16	24	8 1/2
84	8	7	16350	24	78	21	99	120	85	44 13/16	24	9

NOTES: 1. MANUFACTURE OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76.



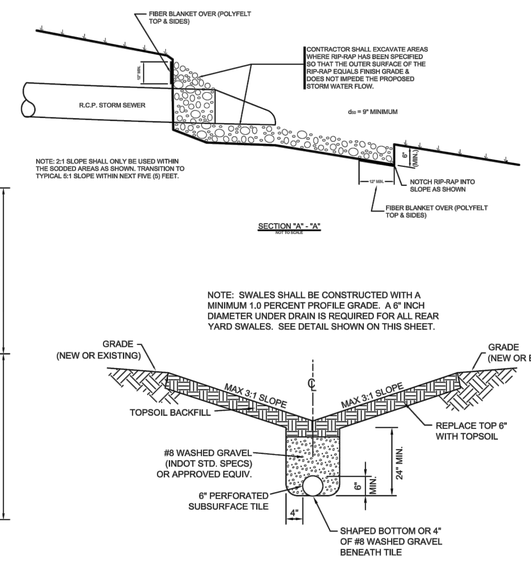
PRECAST CONCRETE END SECTION DETAIL

NOT TO SCALE



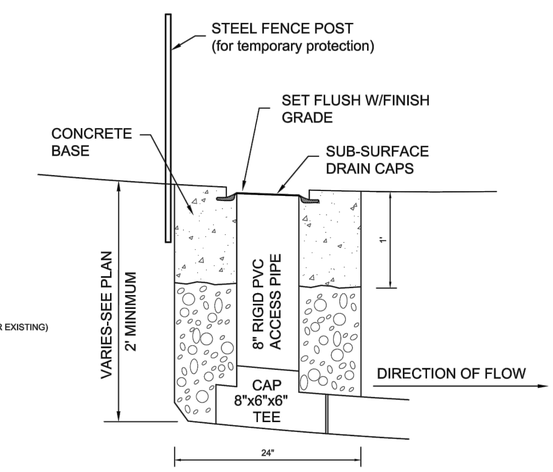
RIP-RAP DETAIL

NOT TO SCALE



SWALE UNDERDRAIN DETAIL

NOT TO SCALE



SUBSURFACE DRAIN (SSD) RISER DETAIL

NOT TO SCALE

SHEETS		
15	of	15
PROJECT		
14-3215		

REVISIONS		
REV. NO.	DESCRIPTION	DATE

MARK J. WITSMAN REGISTERED No. 10100264 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMEND FOR APPROVAL	DESIGN ENGINEER	7/12/05 DATE
APPROVED	PUBLIC WORKS COMMISIONER	7/12/05 DATE
APPROVED	TOWN COUNCIL PRESIDENT	7/12/05 DATE

TOWN OF McCORDSVILLE

TOWN STANDARDS STORM SEWER BEDDING DETAILS AND GENERAL NOTES

SHEET 7 OF 10

GENERAL NOTES

1) THE UNDERGROUND UTILITIES DEPICTED ON THE ATTACHED PLAT OF SURVEY HAVE BEEN LOCATED PER UTILITY LOCATION MARKINGS ON THE GROUND AS PROVIDED BY THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE. THE PATH OF THE UTILITY LINES SHOWN ON SAID PLAT OF SURVEY SHOULD BE CONSIDERED APPROXIMATE UNTIL THEY ARE EITHER RELOCATED, BY CALLING THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE AT 1- 800-382-5544 OR UNTIL THEY ARE EXCAVATED TO VERIFY THE LOCATION AND PATH OF THE UTILITY LINES.

2.) PER HANCOCK COUNTY GIS, THE THOMAS VAILARM OF THE STANSBURY REGULATED DRAIN CROSSES THE SURVEY AREA ALONG HANNA STREET AND CENTER STREET SOUTH OF SECOND STREET.

3.) AS USED IN THIS SURVEY, CERTIFY MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION OF CONDITIONS REGARDING THOSE FACTS OR FINDING WHICH ARE THE SUBJECT OF THE CERTIFICATION AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESS OR IMPLIED. INTERPRETATIONS ARE NOT A PART OF ANY CERTIFICATION.

4.) NO WARRANTY, EITHER EXPRESS OR IMPLIED, IS MADE AS TO THE ACCURACY OR COMPLETENESS OF INFORMATION PROVIDED BY GOVERNMENTAL AUTHORITIES AND / OR THIRD PARTIES, OR AS TO ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE, INCLUDING BUT NOT LIMITED TO INFORMATION PRESENTED ON UNDERGROUND UTILITIES, FLOOD HAZARD ZONES, FLOODWAY ZONES, WETLANDS, RECORDING INFORMATION, ZONING, AND REGULATED DRAINS. IN NO EVENT WILL WEIHE ENGINEERS, INC., ITS EMPLOYEES, AGENTS, AND / OR ASSIGNS BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE FURNISHING AND / OR USE OF SUCH INFORMATION.

5.) ALL MONUMENTS FOUND IN THE PERFORMANCE OF THIS SURVEY WERE FOUND FLUSH WITH THE EXISTING GROUND UNLESS OTHERWISE NOTED, AND THE AGE AND ORIGIN OF SAID FOUND MONUMENTS ARE UNKNOWN UNLESS OTHERWISE NOTED.

NOTE: THE RIGHT-OF WAY LINE HAS A DISCREPANCY OF 6' TO 7' OF UNCERTAINTY IN THE EAST-WEST DIRECTION.

NOTE: THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

LEGEND

OTHER

- BASKETBALL GOAL
- FLAG POLE
- MAIL BOX
- SIGN
- POST
- BOLLARD
- AIR CONDITIONER

TREES & BUSHES

- DECIDUOUS TREE
- CONIFEROUS TREE
- DECIDUOUS BUSH
- CONIFEROUS BUSH

HATCHINGS

- ASPHALT
- CONCRETE (CONC)
- STONE
- BRICK
- LANDSCAPING

ABBREVIATIONS

CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE PIPE
VCP	VITRIFIED CLAY PIPE
FFE	FINISH FLOOR ELEVATION
TC	TOP OF CURB
INV	INVERT
+500.0	SPOT ELEVATION

UTILITIES

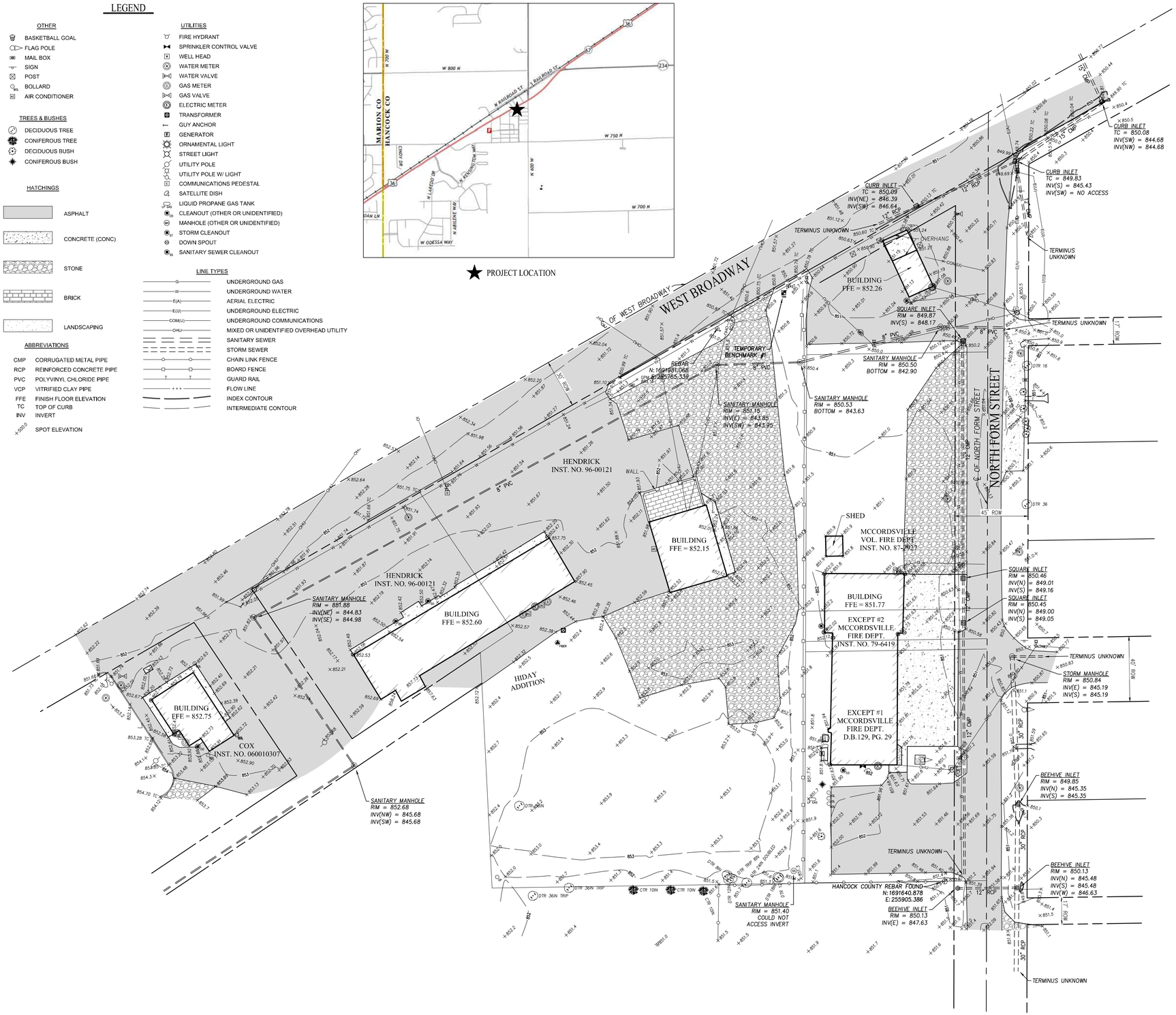
- FIRE HYDRANT
- SPRINKLER CONTROL VALVE
- WELL HEAD
- WATER METER
- WATER VALVE
- GAS METER
- GAS VALVE
- ELECTRIC METER
- TRANSFORMER
- GUY ANCHOR
- GENERATOR
- ORNAMENTAL LIGHT
- STREET LIGHT
- UTILITY POLE
- UTILITY POLE W/ LIGHT
- COMMUNICATIONS PEDESTAL
- SATELLITE DISH
- LIQUID PROPANE GAS TANK
- CLEANOUT (OTHER OR UNIDENTIFIED)
- MANHOLE (OTHER OR UNIDENTIFIED)
- STORM CLEANOUT
- DOWN SPOUT
- SANITARY SEWER CLEANOUT

LINE TYPES

G	UNDERGROUND GAS
W	UNDERGROUND WATER
E(A)	AERIAL ELECTRIC
E(U)	UNDERGROUND ELECTRIC
COM(U)	UNDERGROUND COMMUNICATIONS
OHU	MIXED OR UNIDENTIFIED OVERHEAD UTILITY
	SANITARY SEWER
	STORM SEWER
	CHAIN LINK FENCE
	BOARD FENCE
T T	GUARD RAIL
* * *	FLOW LINE
	INDEX CONTOUR
	INTERMEDIATE CONTOUR

VICINITY MAP

★ PROJECT LOCATION



BENCHMARK INFORMATION

ORIGINATING BENCHMARK - O-2

ABOUT 3.95 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD FROM THE STA., ABOUT 1.0 MILE NORTHEAST OF THE GRAIN ELEVATOR AT MCCORDSVILLE, ABOUT 3.05 MILES NORTHEAST OF THE OAKLANDON STATE BANK OAKLANDON, MARION COUNTY, ABOUT 0.1 MILE SOUTHWEST OF MILE POST 267, 161 FEET SOUTHWEST OF SEMAPHORE SIGNAL NO. 267-2, SET IN THE TOP OF THE THE NORTHEAST END OF THE SOUTHEAST HEAD WALL OF RAILROAD CULVERT NO. 438A, 40 FEET NORTH OF POLE 267/6, 7.5 FEET SOUTHEAST OF THE SOUTHEAST RAIL, AND ABOUT 0.5 FOOT BELOW THE TRACK. NOTE – THE STAMPING ON THE MARK IS AS FOLLOW - 4L4/L 4. THERE IS AN L STAMPED AFTER THE 1943 AND TWO FIGURE FOURS BETWEEN MARK AND U.S. COAST OF THE CASTING ON THE MARK.

ELEVATION: 857.00 NAVD 1988

TEMPORARY BENCHMARK #1 - CHISELED X

CUT "X" IN THE NORTH BOLT OF A HYDRANT ON THE SOUTHEAST SIDE OF WEST BROADWAY.

ELEVATION: 852.91 NAVD 1988

TEMPORARY BENCHMARK #2 - CHISELED X

CUT "X" IN THE NORTH BOLT OF A HYDRANT ON THE NORTHWEST SIDE OF THE INTERSECTION OF SECOND STREET & HANNA STREET.

ELEVATION: 856.38 NAVD 1988

TEMPORARY BENCHMARK #3 - CHISELED X

CUT "X" IN THE NORTH BOLT OF A HYDRANT ON THE NORTHWEST SIDE OF THE INTERSECTION OF W750N & HANNA STREET.

ELEVATION: 858.73 NAVD 1988

N W E S

SCALE: 1" = 30'

0 15 30 60

APPENDIX A

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

REVISIONS AND ISSUES	DATE:	BY
REVISED ELEVATION OF TBM#2 AND ADDED CONTROL RECOVERED ON 10/30/2020	10/30/2020	BK

PROJECT NO.: W150358
DWG. NAME: W150358sv.dwg
FIELD BY: ES, RG, PW
DRAWN BY: BK
CHECKED BY: JDW
DATE: 10/02/2015

PREPARED FOR:

TOWN OF MCCORDSVILLE

MCCORDSVILLE, INDIANA

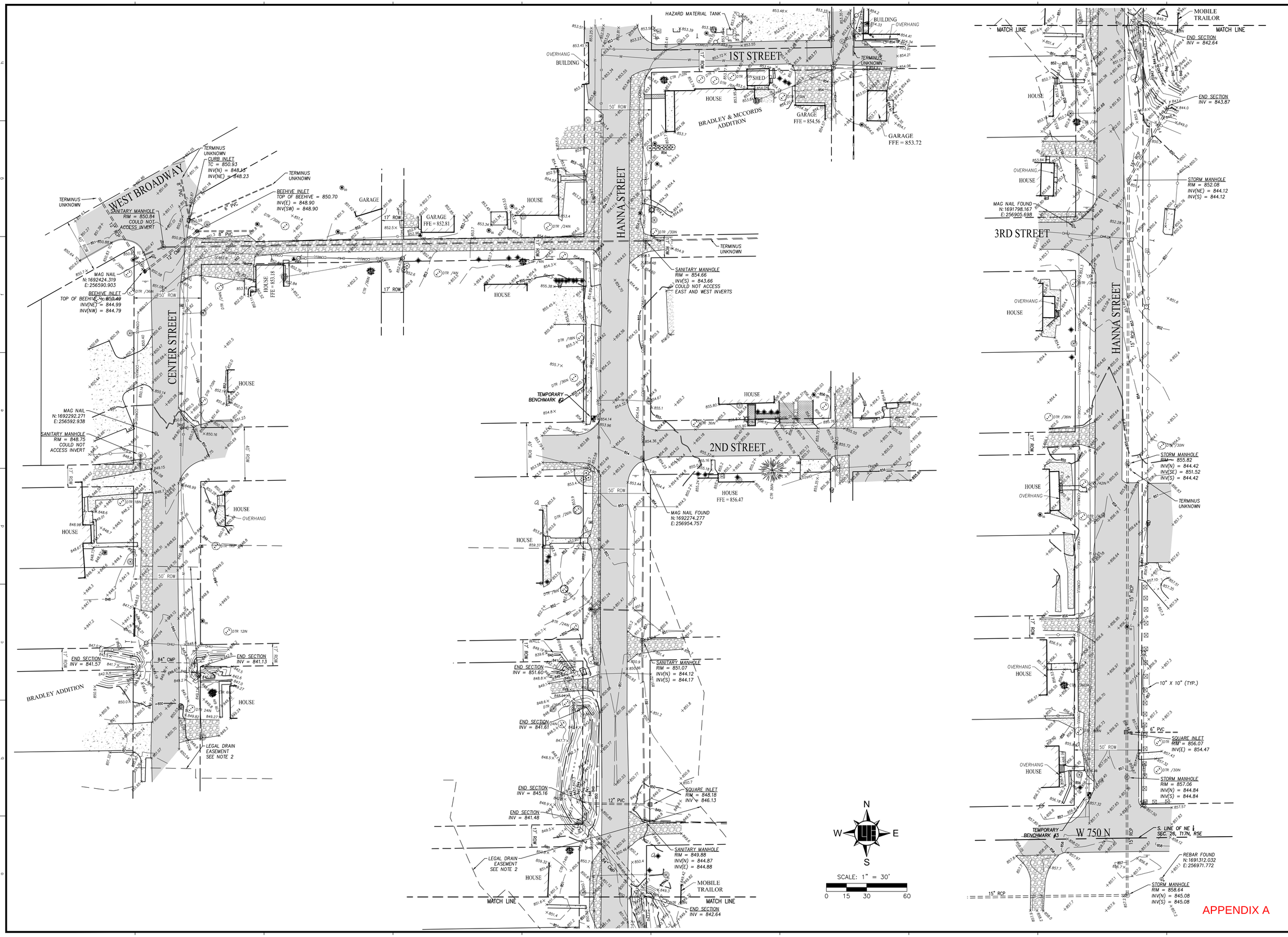
Topographic Survey

SECTION 26, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA.

SHEET NO. 1 OF 2

PROJECT NO. W150358

LOCATION: W:\2015\W150358\Survey\W150358sv.dwg
LAYOUT: Layout1
DATE: October 30, 2020 - 2:21pm
PLOTTED BY: kaleb



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WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

REVISIONS AND ISSUES	DATE	BY
REVISED ELEVATION OF TBM#2 AND ADDED CONTROL RECOVERED ON 10/6/2020	10/30/2020	BK

PROJECT NO.	W150358
DWG. NAME:	W150358sv.dwg
FIELD BY:	ES, RG, PW
DRAWN BY:	BRL
CHECKED BY:	JDW
DATE:	10/02/2015

PREPARED FOR:

TOWN OF MCCORDSVILLE

MCCORDSVILLE, INDIANA

Topographic Survey

SECTION 26, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA.

SHEET NO. 2 OF 2

PROJECT NO. W150358

LOCATION: M:\2015\W150358\Surveying\W150358sv.dwg
LAYOUT: Layout1
DATE/TIME: October 30, 2020 - 2:20pm
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