



Mayor
Andy Cook

City Council
Jim Ake
Steven Hoover
Robert L. Horkay
Chuck Lehman
Robert J. Smith
Cindy L. Spoljaric
Robert W. Stokes

Clerk Treasurer
Cindy J. Gossard

161st Street and Carey Road Roundabout Vectren Gas Utility Reimbursement Agreement

The agreement is for reimbursement to Vectren Gas to relocate their gas facilities for the upcoming 161st Street and Carey Road Roundabout project slated to start this spring. Vectren is currently located within an exclusive easement.

The estimated cost of relocation of the gas lines per this agreement is \$39,701. Construction is expected to take two to three weeks and will begin in early April.

The attached agreement is under review. The Westfield Public Works Department recommends that the Board of Public Works and Safety authorize the Director of Public Works to enter into this agreement once the final version has been agreed to by both parties in the amount of not to exceed \$39,701.

Public Works Department

(317) 804-3100 office
(317) 804-3190 fax

2706 East 171st Street
Westfield, IN 46074
westfield.in.gov

VECTREN REIMBURSEMENT AGREEMENT

THIS AGREEMENT made and entered into this _____ day of _____, 2014, by and between THE CITY OF WESTFIELD, Party of the First Part, hereinafter referred to THE CITY OF WESTFIELD, and Vectren Energy Delivery of Indiana, Inc. of the Second Part, hereinafter referred to as VECTREN.

WITNESSETH:

WHEREAS, THE CITY OF WESTFIELD desires to make certain changes, improvements and/or adjustments to their property or facilities located at or near, **the intersection of Carey Road and 161st Street** hereinafter referred to as the "Project".

WHEREAS, said changes, improvements and/or adjustments will adversely affect VECTREN'S operation and maintenance capabilities to its natural gas distribution system.

WHEREAS, due to said construction, certain adjustments, removals, alterations and/or relocations of existing VECTREN facilities will have to be made as shown on Exhibit "A" attached hereto and by this reference made a part of this agreement.

WHEREAS, it is in the best interests of both VECTREN and THE CITY OF WESTFIELD for VECTREN to make these adjustments, removals, alterations and/or relocations of its existing facilities with the their regular construction and maintenance forces, or by a contractor(s) paid under a contract let by VECTREN.

NOW THEREFORE, for and in consideration of the mutual covenant herein recited, both VECTREN and THE CITY OF WESTFIELD do herein agree as follows:

SECTION I VECTREN agrees and covenants to the following:

To provide a complete and detailed drawing of the work that will be required by VECTREN to adjust, remove, alter and/or relocate its facilities in a manner that will allow VECTREN to maintain and operate its facility in an approved and acceptable manner, said drawing is referenced above and attached to this agreement as Exhibit "A".

To complete with its regular construction or maintenance crew and personnel at its standard schedule of wages and working hours, or by a VECTREN approved contractor(s), the necessary adjustments, removals, alterations and/or relocations to its existing facilities as shown in Exhibit "A". The preliminary cost estimate thereof being **\$39,701.00** as shown on the estimate attached hereto and marked Exhibit "B" which said Exhibit "B" is hereby made a part of this agreement.

To keep accurate and complete records of all the work and charges required to complete the work detailed in Exhibit "A" and to make these documents accessible to or their auditors for a period of (3) three years from the date final payment is received by VECTREN.

Should these records be audited and discrepancies found that resulted in an overpayment by THE CITY OF WESTFIELD, such over payment refund shall be authorized for repayment to THE CITY OF WESTFIELD within 60 calendar days from the day the discrepancy is discovered, provided that both VECTREN and THE CITY OF WESTFEILD concur that an over payment has been made.

To provide to THE CITY OF WESTFIELD a written explanation if the total project charges exceed the estimated project estimate shown in Exhibit "B" said written explanation will be provided to THE CITY OF WESTFIELD in a timely manner though it is to be understood that some project discrepancies may not be identified until the time of final billing.

SECTION II THE CITY OF WESTFIELD agrees and covenants to the following:

To reimburse to VECTREN the actual cost incurred by VECTREN to complete its work which is estimated to be **\$39,701.00**; the amount shown in exhibit "B" of this Agreement, within 60 calendar days from the date the payment is requested in writing by VECTREN, in one lump sum payment, said Exhibit "B" total being only the estimated dollar amount for VECTREN to complete the work described in Exhibit "A" and presented at the time of the final billing.

SECTION III Neither THE CITY OF WESTFIELD nor its contractor(s) or subcontractors, if any, shall discriminate against any employee or applicant for employment, to be employed in the performance of this contract, with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment because of his race, color, religion, national origin or ancestry. Breach of this convening may be regarded as a material breach of the contract.

SECTION IV THE CITY OF WESTFIELD, its employees, agents and representatives, shall indemnify, protect and hold harmless VECTREN from and against any and all legal liabilities and other expenses, claims, costs, losses, suits or judgments for damages, or injuries to or death of persons or damage to or destruction of property (hereinafter "Claim"), arising out of intentional, tortuous or sole negligence of CITY OF WESTFIELD, its employees or agents or contractors, in relation to or in connection with any work performed or to be performed pursuant to this Agreement, provided, however, that where VECTREN is guilty of negligence with respect to the occurrence or occurrences giving rise to the Claim, the CITY OF WESTFIELD shall have no duty to indemnify, protect, or hold harmless VECTREN.

SECTION V CITY OF WESTFIELD, its contractor(s) and subcontractors, if any, shall abide by all terms and conditions of VECTREN, and/or other jurisdictional agencies for the Project including, but not limited to, State, County and Municipal authorities, the United States Army Corps of Engineers, Indiana Department of Environmental Management, and Indiana Department of Natural Resources.

SECTION VI No portion of this Agreement shall become legally binding until said Agreement is fully signed and executed by both parties.

IN WITNESS WHEREOF, the parties hereto separately and severally have caused this instrument to be executed in their respective names by and through their duly authorized company officials and/or property owners.

ACKNOWLEDGMENT

Vectren Energy Delivery of Indiana, Inc.

Jon Luttrell, Vice President – Energy Delivery
(Signature of Company Official)

Jon Luttrell
(Company Officials Name Printed or Typed)

ATTEST:

State of Indiana County of _____ SS:

Before me, the undersigned Notary Public in and for said County, personally appeared

Jon Luttrell, Vice President – Energy Delivery
(Name and Offices of Company Official)

Such Official being a duly authorized representative of Vectren Energy Delivery and acknowledged the execution of the foregoing contract on this ____ day of _____, 2014.

Witness my hand and seal the said last day.

(Notary Public)

(Notary Public, Printed or Typed)

County of Residence

My Commission Expires:

ACKNOWLEDGMENT

_____.

(Signature of Company Official)

(Company Officials Name Printed or Typed)

(Company Officials Position or Title)

ATTEST:

On this _____ day of _____, 20__ there appeared before me, a Notary

Public, _____
(Name and Office of Company Official)

Such Official being a duly authorized representative of _____ and acknowledged
the execution of the foregoing contract on this ____ day of _____, 2014 .

Witness my hand and seal the said last day.

(Notary Public)

(Name Printed or Typed)

(County of Residence)

My Commission Expires: _____



**CAREY ROAD AND
EAST 161ST STREET
ROUND A BOUT
PROJECT**

EXHIBIT "A"

**VECTREN ENERGY
RELOCATION DRAWING**

5 PAGES



**CAREY ROAD AND
EAST 161ST STREET
ROUND A BOUT
PROJECT**

EXHIBIT "B"

**VECTREN ENERGY
COST ESTIMATE**

3 PAGES

VECTREN PROJECT COST ESTIMATE

Exhibit "B"

| PROJECT LOCATION: | | | |
|--|-----------------------|-------------------|----------------|
| 161st Street @ Carey Rd., Westfield, In. | | | |
| OSA | Noblesville | DATE: | 2-17-2014 |
| PROJECT ESTIMATED BY: | | Brian Harger | |
| PHONE: | | 317 776-5534 | |
| MAXIMO PROJECT NUMBER: | | 10518458 | |
| POWER PLANT PROJECT NUMBER: | | 14583002061213 | |
| PROJECT TASK NUMBER: | | 001 | |
| PROJECT OWNER: | | City of Westfield | |
| PROJECT CONTACT: | | Neil VanTrees | |
| PHONE: | | 896-5570 | |
| OWNERS PROJECT NUMBER: | | | |
| DES# OR ID NUMBER: | | | |
| MATERIAL: | | | |
| ITEM ID NUMBER | ITEM DESCRIPTION | QUANTITY | COST |
| 086000 | Pipe, 6" Plastic | 250 | \$1,227 |
| 614643 | Wire, #12 Tracer | 500 | \$79 |
| 179500 | Tape, Warning | 1 | \$41 |
| 228680 | Clamp, 6" Support | 12 | \$447 |
| 229344 | Coupling, 6" E Fuse | 12 | \$1,280 |
| 221950 | Ell, 6" Plastic | 20 | \$693 |
| 604500 | Post, Pipeline Marker | 9 | \$288 |
| 600325 | Anode, 3# | 5 | \$92 |
| 225405 | Tee, 6" Plastic | 1 | \$169 |
| 220270 | Caps, 6" Plastic | 4 | \$111 |
| 142650 | Valve, 6" Plastic | 1 | \$521 |
| 151700 | Box, Valve | 1 | \$36 |
| TOTAL MATERIAL ESTIMATE | | | \$4,982 |

VECTREN PROJECT COST ESTIMATE

| VECTREN LABOR: | | |
|--------------------------------------|----------|-----------------|
| ITEM DESCRIPTION | QUANTITY | COST |
| INSPECTOR | 100 | \$4,983 |
| FITTER | | |
| TAPPING OPERATOR | | |
| OPERATOR | | |
| WELDER | | |
| SERVICE TECH | | |
| MISC | | |
| MISC | | |
| MISC | | |
| TOTAL COMPANY LABOR ESTIMATE | | \$4,983 |
| VECTREN TRANS: | | |
| ITEM DESCRIPTION | QUANTITY | COST |
| CL 1 (LIGHT DUTY) | 100 | \$895 |
| CL 2 (MEDIUM DUTY) | | |
| CL 3 (HEAVY DUTY) | | |
| TOTAL TRANSPORTATION ESTIMATE | | \$895 |
| PRIMARY CONTRACTOR LABOR: | | |
| ITEM DESCRIPTION | QUANTITY | COST |
| MILLER PIPELINE | 112 | \$27,166 |
| TOTAL CONTRACT LABOR ESTIMATE | | \$27,166 |

VECTREN PROJECT COST ESTIMATE

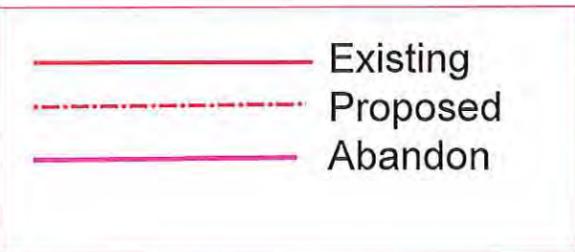
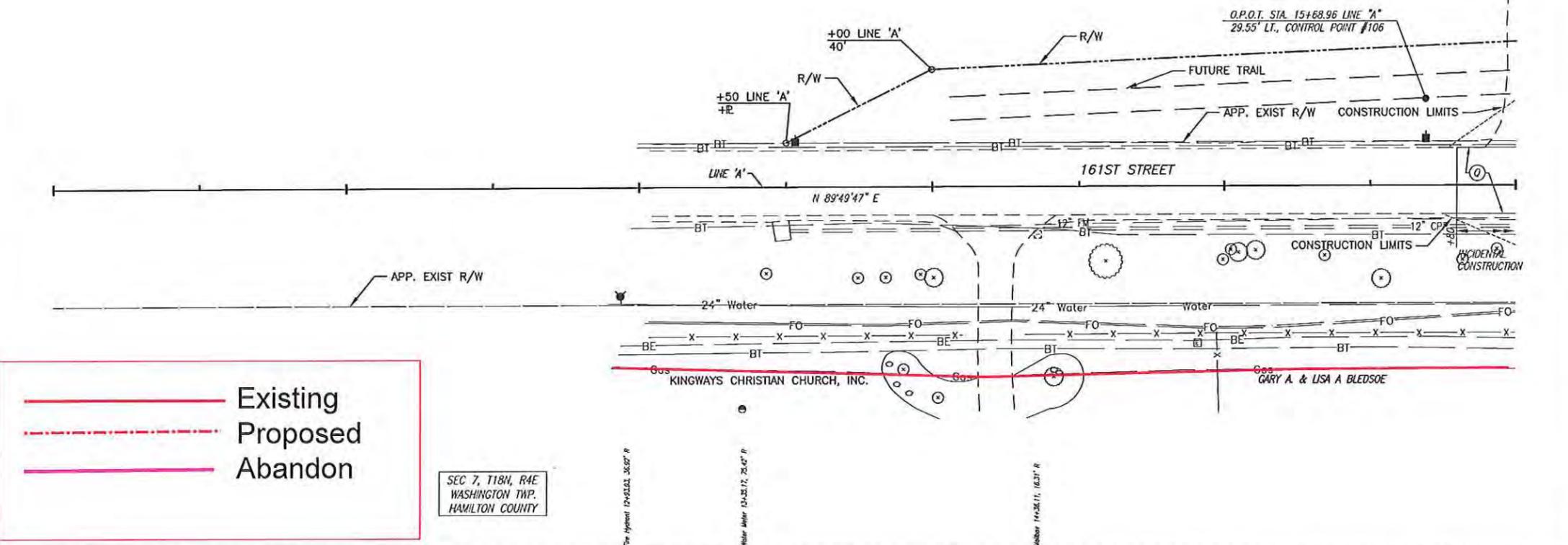
| MISC COST: | | |
|--|----------|-----------------|
| ITEM DESCRIPTION | QUANTITY | COST |
| Flowable Fill | 10 | \$1,155 |
| Sand, Stone, etc | 1 | \$231 |
| Permits, etc | 1 | \$289 |
| TOTAL MISC COSTS ESTIMATE | | \$1,675 |
| SUMMARY OF ALL CHARGES: | | |
| TOTAL MATERIAL ESTIMATE | | \$4,982 |
| TOTAL VECTREN LABOR ESTIMATE | | \$4,983 |
| TOTAL CO. TRANS. ESTIMATE | | \$895 |
| TOTAL CONTRACTOR ESTIMATE | | \$27,166 |
| TOTAL MISC. ESTIMATE | | \$1,675 |
| TOTAL PROJECT ESTIMATE | | \$39,701 |
| Credits | | |
| Non Reimb. Items | | \$0 |
| D I Credit | | \$0 |
| Revenue Credit | | \$0 |
| Lump Sum | | \$0 |
| Percentage | | 0% |
| NET PROJECT COST | | \$39,701 |
| PLEASE NOTE: DOLLARS ARE ROUNDED TO THE NEAREST WHOLE DOLLAR | | |

11+00 12+00 13+00 14+00 15+00 16+00

Vectren Energy
Relocation Plan
Page 1 of 6

SEC 7, T18N, R4E
WASHINGTON TWP.
HAMILTON COUNTY

RADIANT CHRISTIAN LIFE, INC



SEC 7, T18N, R4E
WASHINGTON TWP.
HAMILTON COUNTY



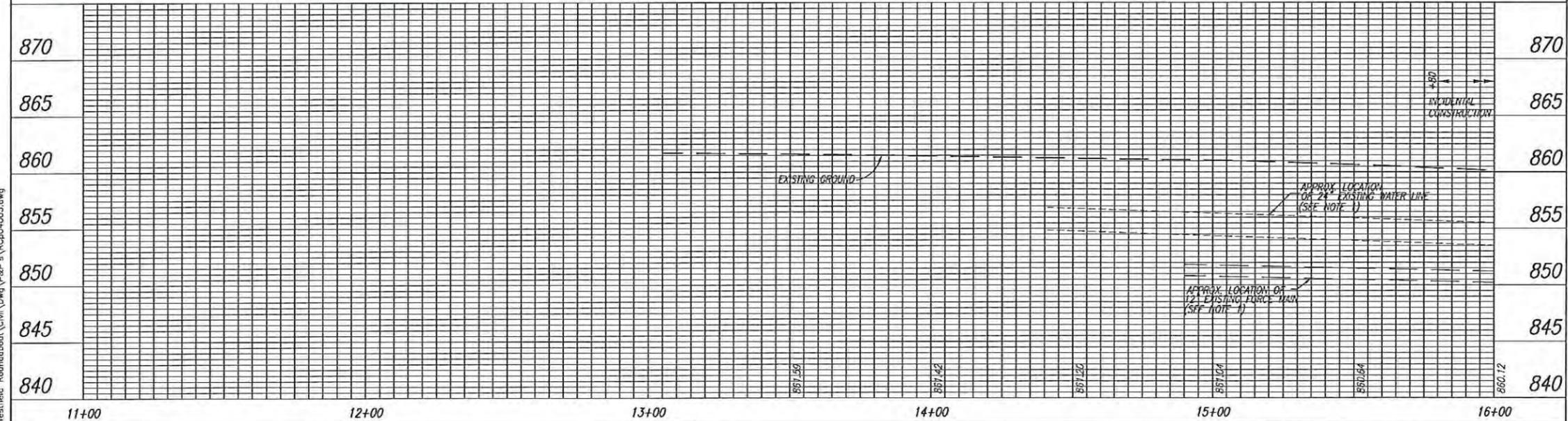
LEGEND

- (13) INDOT CONCRETE CURB TYPE B
- (14) INDOT CONCRETE CURB
- (15) INDOT COMBINED CONCRETE CURB & GUTTER
- (22) BRICK PAVERS ON 6" CONCRETE ON 4" COMPACTED AGGREGATE BASE #53 (SEE GENERAL DETAIL SHEET #25)
- (26) NURSERY SODDING-SEE LANDSCAPING PLANS
- (27) SEEDING, SEE LANDSCAPING PLANS
- (C) 6" PCCP ON SUBGRADE TREATMENT IIIA
- (F) ASPHALT SURFACE
110 #/SYD. HMA SURFACE TYPE A, 9.5 mm ON 220 #/SYD. HMA INTERMEDIATE TYPE A, 19.0 mm ON 4" COMPACTED AGGREGATE BASE, NO 53
- (K) MAINLINE PAVEMENT SECTION
165# /SYD. HMA SURFACE TYPE B ON 275# /SYD. HMA INTERMEDIATE TYPE B ON 440# /SYD. HMA BASE TYPE B ON 300 #/SYD. CC/OA-HMA, 5, 76, INTERMEDIATE, ON 220# /SYD. HMA BASE TYPE B, ON SUBGRADE TREATMENT, TYPE I
- (O) SURFACE MILLING AND OVERLAY
165# /SYD. HMA SURFACE TYPE B ON TRANSITION MILLING UP TO 1.5"
- (-) CURB RAMP (LETTER DENOTES TYPE) AND PAVERS (SEE GENERAL DETAIL SHEET #25)
- (T) SIDEWALK TRANSITION

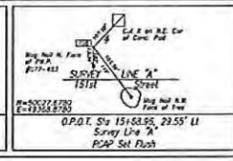
NOTE:

1. LOCATIONS OF THE SANITARY FORCED MAIN AND WATER LINE ARE APPROXIMATE AND ARE PROVIDED BY THE CITY OF WESTFIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS.

ALL TOPOGRAPHY DESCRIBED FROM LINE "A"



Date: Nov 24, 2010, 11:42am User: D:\ncolumbie File: M:\proj\0903\0636-Westfield_Roundabout\Civil\Draw\Plan\RCp04003.dwg

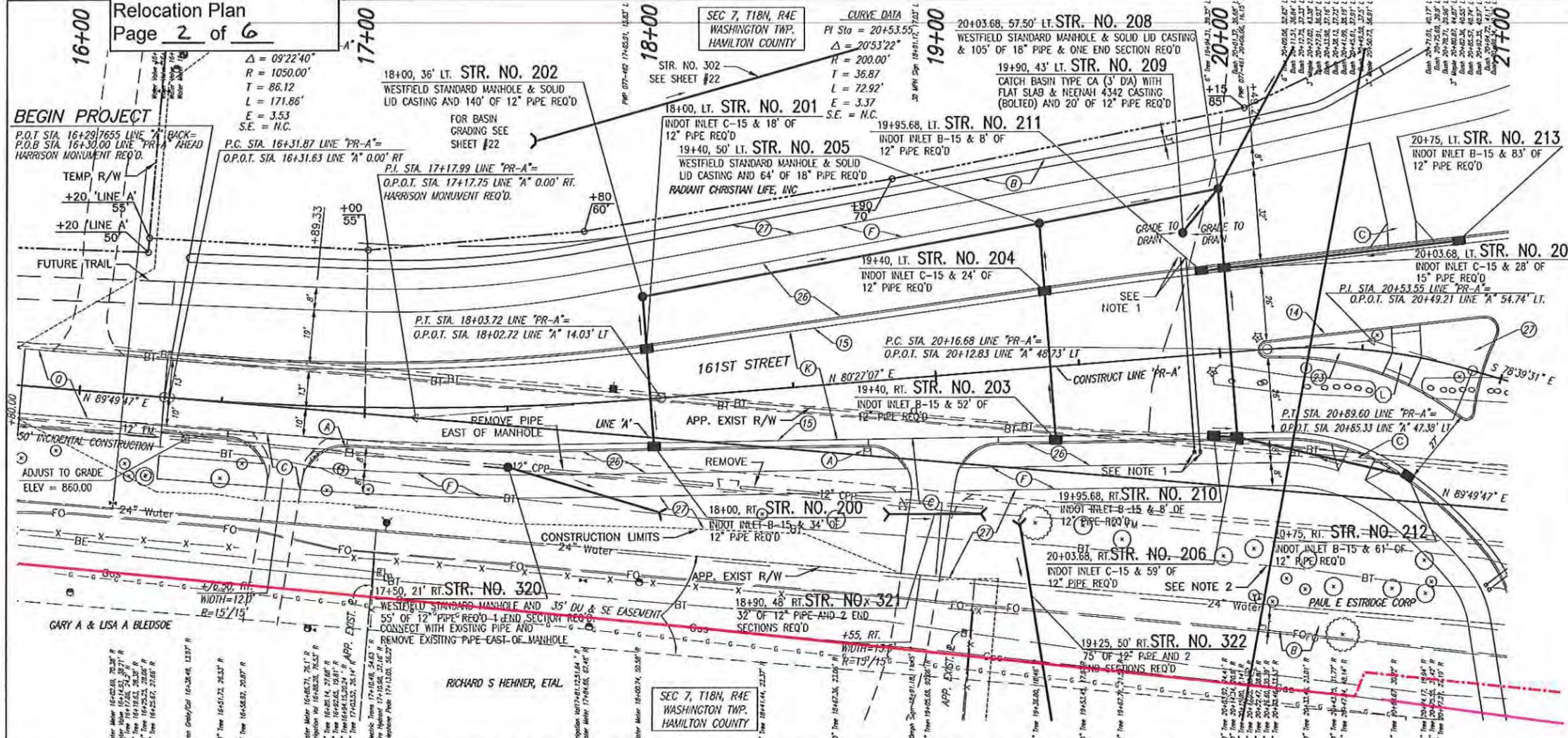


NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

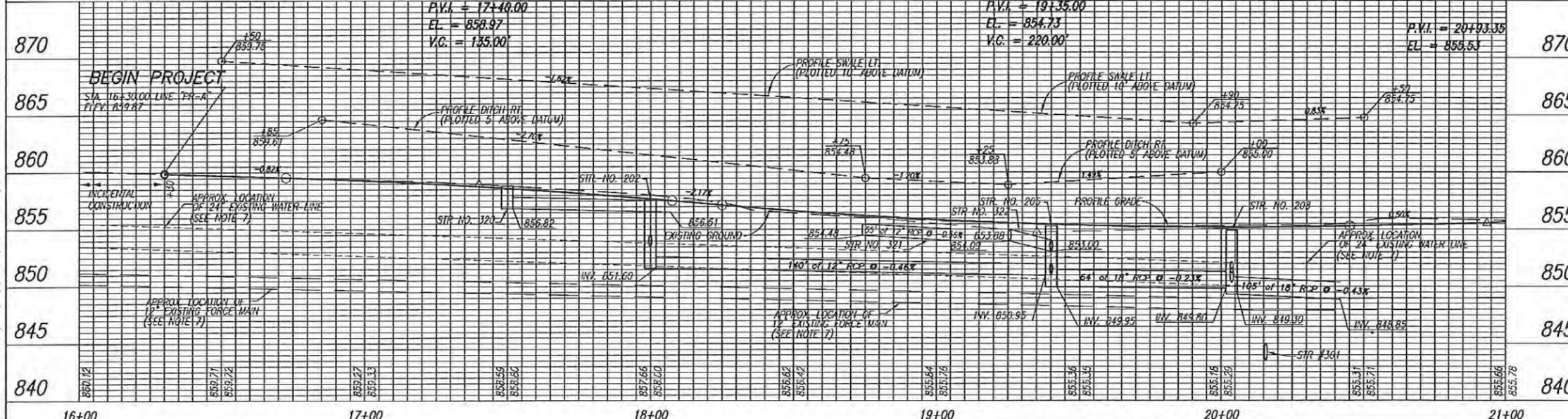
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| DESIGNED: RED | DRAWN: HCC | |
| CHECKED: BF | CHECKED: BF | |

CITY OF WESTFIELD
161ST AND CAREY RD
PLAN AND PROFILE
LINE "A" STA. 11+00 TO 16+00

| | |
|------------------|-------------|
| HORIZONTAL SCALE | ROAD FILE |
| 1"=20' | N/A |
| VERTICAL SCALE | DESIGNATION |
| 1"=5' | - |
| SURVEY BOOK | SHEETS |
| CONTRACT | 14 of 60 |
| | PROJECT |
| | - |



- LEGEND**
- 13 INDOT CONCRETE CURB TYPE B
 - 14 INDOT CONCRETE CURB
 - 15 INDOT COMBINED CONCRETE CURB & GUTTER
 - 22 BRICK PAVERS ON 6" CONCRETE ON 4" COMPACTED AGGREGATE BASE #53 (SEE GENERAL DETAIL SHEET #25)
 - 23 BRICK PAVERS ON 4" CONCRETE (SEE LANDSCAPING PLANS)
 - 26 NURSERY SOODING-SEE LANDSCAPING PLANS
 - 27 SEEDING, SEE LANDSCAPING PLANS
 - (B) TOP OF BERM
 - (C) 6" PCCP ON SUBGRADE TREATMENT IIA
 - (F) ASPHALT SURFACE
110 #/SYD. HMA SURFACE TYPE A, 9.5 mm ON 220 #/SYD. HMA INTERMEDIATE TYPE A, 19.0 mm ON 4" COMPACTED AGGREGATE BASE, NO 53
 - (K) MAINLINE PAVEMENT SECTION
165#/SYD. HMA SURFACE TYPE B ON 275#/SYD. HMA INTERMEDIATE TYPE B ON 440#/SYD. HMA BASE TYPE B ON 300 #/SYD CC/QA-HMA, 5, 76, INTERMEDIATE, ON 220#/SYD. HMA BASE TYPE B, ON SUBGRADE TREATMENT, TYPE I
 - (D) SURFACE MILLING AND OVERLAY
165#/SYD. HMA SURFACE TYPE B ON TRANSITION MILLING UP TO 1.5"
 - (-) CURB RAMP (LETTER DENOTES TYPE) AND PAVERS (SEE GENERAL DETAIL SHEET #25)
 - (T) SIDEWALK TRANSITION
 - (A) SINGLE MAILBOX ASSEMBLY, RESET
- ALL TOPOGRAPHY DESCRIBED FROM LINE "A"
ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN.
- BENCHMARKS:**
TBM#2 CUT "X" N.E. CORNER OF CONCRETE PAD FOR WATER MAIN VAULT, N. SIDE OF 161ST STREET +/- 600' W. OF CAREY ROAD AND 120.08 FEET LEFT OF STA. 16+26.16 LINE "A". ELEV.=859.48
N=50118.372 E=49425.6070
- NOTES:**
- CONTRACTOR TO PROVIDE A 2" PVC CONDUIT AND A 4" PVC CONDUIT WITH PULL BOXES AS SHOWN ON THE PLANS FOR FUTURE IRRIGATION AND ELECTRICAL NEEDS. 2" CONDUIT SHALL BE FOR IRRIGATION AND 4" CONDUIT FOR ELECTRICAL. THE PULL BOX COVERS SHALL BE LABELED ACCORDINGLY FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
 - SEE SHEET #22 FOR DRAINAGE BASIN AND STRUCTURE DETAILS
 - ALL STORM MANHOLE COVERS SHALL BE LABELED FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
 - BLUE REFLECTORS SHALL BE INSTALLED IN PAVEMENT TO MARK FIRE HYDRANTS (PRIVATE AND PUBLIC) PER THE CITY OF WESTFIELD'S UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS.
 - ALL OPEN ENDED INLETS MUST HAVE DEBRIS GUARD INSTALLED
 - NEW CURB SHALL HAVE "V" MARKED IN IT AT VALVE LOCATIONS FOR WATER
 - LOCATIONS OF THE SANITARY FORCED MAIN AND WATER LINE ARE APPROXIMATE AND ARE PROVIDED BY THE CITY OF WESTFIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS.



- NOTES:**
- CONTRACTOR TO PROVIDE A 2" PVC CONDUIT AND A 4" PVC CONDUIT WITH PULL BOXES AS SHOWN ON THE PLANS FOR FUTURE IRRIGATION AND ELECTRICAL NEEDS. 2" CONDUIT SHALL BE FOR IRRIGATION AND 4" CONDUIT FOR ELECTRICAL. THE PULL BOX COVERS SHALL BE LABELED ACCORDINGLY FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE
DESIGNED: RED DRAWN: HCC
CHECKED: BF CHECKED: BF

CITY OF WESTFIELD
161ST AND CAREY RD
PLAN AND PROFILE
LINE "PR-A" STA. 16+00 TO 21+00

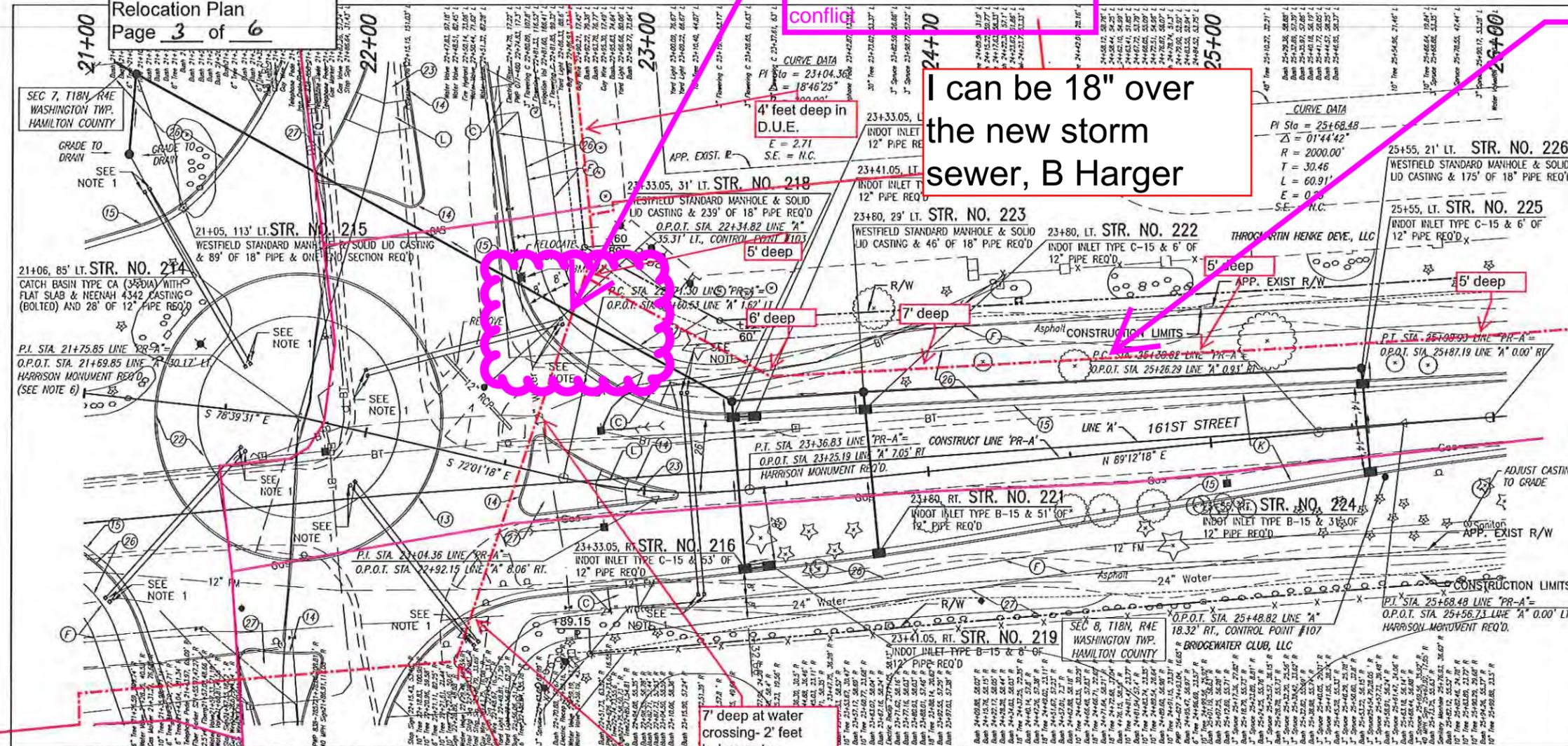
| | |
|----------------------------|--------------------|
| HORIZONTAL SCALE 1"=20' | ROAD FILE N/A |
| VERTICAL SCALE 1"=5' | DESIGNATION - |
| SURVEY BOOK | SHEETS 15 of 60 |
| CONTRACT | PROJECT |

Proposed Storm
Elevation=848.50-Check
conflict

Gas line needs to be at 35'
offset from existing center
of the road to avoid new
Storm

I can be 18" over
the new storm
sewer, B Harger

35' will be okay-
B Harger

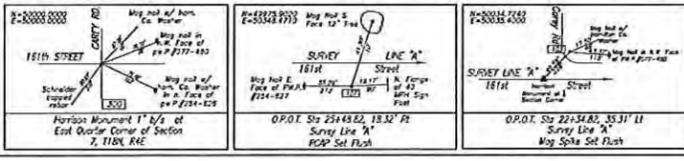


- 15 INDOT COMBINED CONCRETE CURB & GUTTER
 - 22 BRICK PAVERS ON 6" CONCRETE ON 4" COMPACTED AGGREGATE BASE #53 (SEE GENERAL DETAIL SHEET #25)
 - 23 BRICK PAVERS ON 4" CONCRETE (SEE LANDSCAPING PLANS)
 - 26 NURSERY SODDING-SEE LANDSCAPING PLANS
 - 27 SEEDING, SEE LANDSCAPING PLANS
 - F ASPHALT SURFACE
110 #/SYD. HVA SURFACE TYPE A, 9.5 mm ON 220 #/SYD. HMA INTERMEDIATE TYPE A, 19.0 mm ON 4" COMPACTED AGGREGATE BASE, NO 53
 - R MAINLINE PAVEMENT SECTION
165#/SYD. HMA SURFACE TYPE B ON 275#/SYD. HMA INTERMEDIATE TYPE B ON 440#/SYD. HMA BASE TYPE B ON 300 #/SYD. CC/OA-HMA, 5, 76, INTERMEDIATE, ON 220#/SYD. HMA BASE TYPE B, ON SUBGRADE TREATMENT, TYPE 1
 - o 12" X 12" PULLBOX
 - CURB RAMP (LETTER DENOTES TYPE) AND PAVERS (SEE GENERAL DETAIL SHEET #25)
 - T SIDEWALK TRANSITION
- ALL TOPOGRAPHY DESCRIBED FROM LINE "A"
- ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN.
- BENCHMARKS:**
TBM#2 CUT "X" N.E. BOLT TOP FLANGE OF F. HYDRANT N.E. QUAD. OF 161ST AND CAREY AT 35.43 FEET RIGHT OF STA. 32+34.69 LINE "B".
ELEV.=857.903

| | | | | | | | | |
|-----|---|---|---|---|---|---|---|-----|
| 865 | P.V.I. = 21+25.35 EL = 856.17 NO V.C. | P.V.I. = 21+26.02 EL = 856.50 NO V.C. | P.V.I. = 21+27.85 EL = 857.50 NO V.C. | P.V.I. = 22+25.68 EL = 858.50 NO V.C. | P.V.I. = 22+26.35 EL = 858.16 NO V.C. | P.V.I. = 23+35.00 EL = 857.52 V.C. = 110.00 | P.V.I. = 25+35.00 EL = 858.16 V.C. = 290.00 | 865 |
| 860 | | | | | | | | 860 |
| 855 | | | | | | | | 855 |
| 850 | | | | | | | | 850 |
| 845 | | | | | | | | 845 |
| 840 | | | | | | | | 840 |
| 835 | | | | | | | | 835 |

- NOTES:**
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 - ALL STORM MANHOLE COVERS SHALL BE LABELED FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
 - BLUE REFLECTORS SHALL BE INSTALLED IN PAVEMENT TO MARK FIRE HYDRANTS (PRIVATE AND PUBLIC) PER THE CITY OF WESTFIELD'S UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS.
 - ALL OPEN ENDED INLETS MUST HAVE DEBRIS GUARD INSTALLED
 - NEW CURB SHALL HAVE "V" MARKED IN IT AT VALVE LOCATIONS FOR WATER
 - CONTRACTOR SHALL CONTACT HAMILTON COUNTY SURVEYOR'S OFFICE FOR PLACEMENT OF THIS SECTION CORNER BEFORE START OF THE PROJECT.
 - LOCATIONS OF THE SANITARY FORCED MAIN AND WATER LINE ARE APPROXIMATE AND ARE PROVIDED BY THE CITY OF WESTFIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS.

Date: Nov 24, 2010, 11:43am User ID: heolumba
File: M:\proj\0163\0639-Westfield Roundabout\Civil\DWG\PRP's\RC0202003.dwg

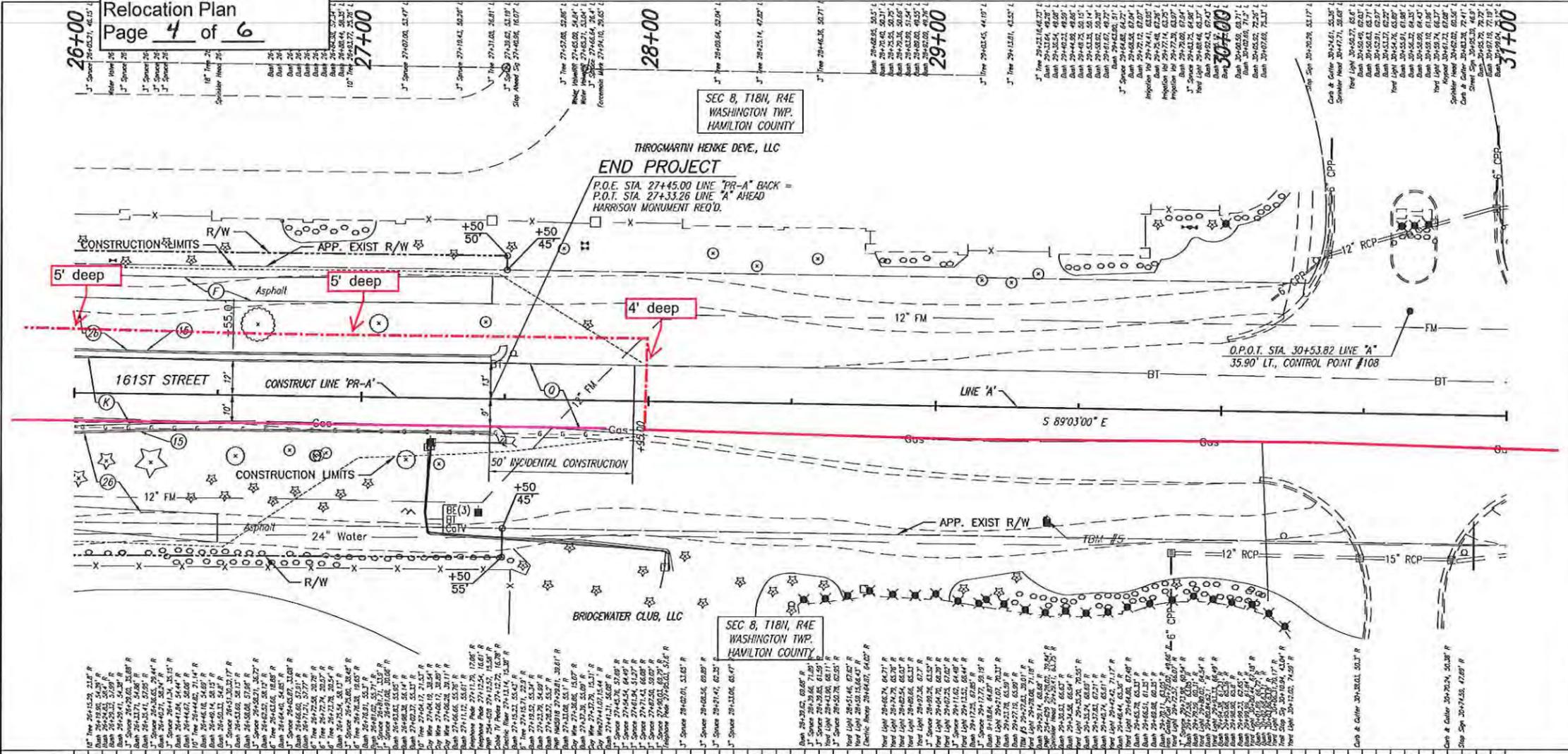


| | | |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: RED | DRAWN: HCC | |
| CHECKED: BF | CHECKED: BF | |

CITY OF WESTFIELD
161ST AND CAREY RD

PLAN AND PROFILE
LINE "PR-A" STA. 21+00 TO 26+00

| | |
|------------------|-------------|
| HORIZONTAL SCALE | ROAD FILE |
| 1"=20' | N/A |
| VERTICAL SCALE | DESIGNATION |
| 1"=5' | |
| SURVEY BOOK | SHEETS |
| | 16 of 60 |
| CONTRACT | PROJECT |
| | |



- LEGEND**
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 - (14) INDOT CONCRETE CURB
 - (15) INDOT COMBINED CONCRETE CURB & GUTTER
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 - (-) CURB RAMP (LETTER DENOTES TYPE) AND PAVERS (SEE GENERAL DETAIL SHEET #25)
 - (T) SIDEWALK TRANSITION

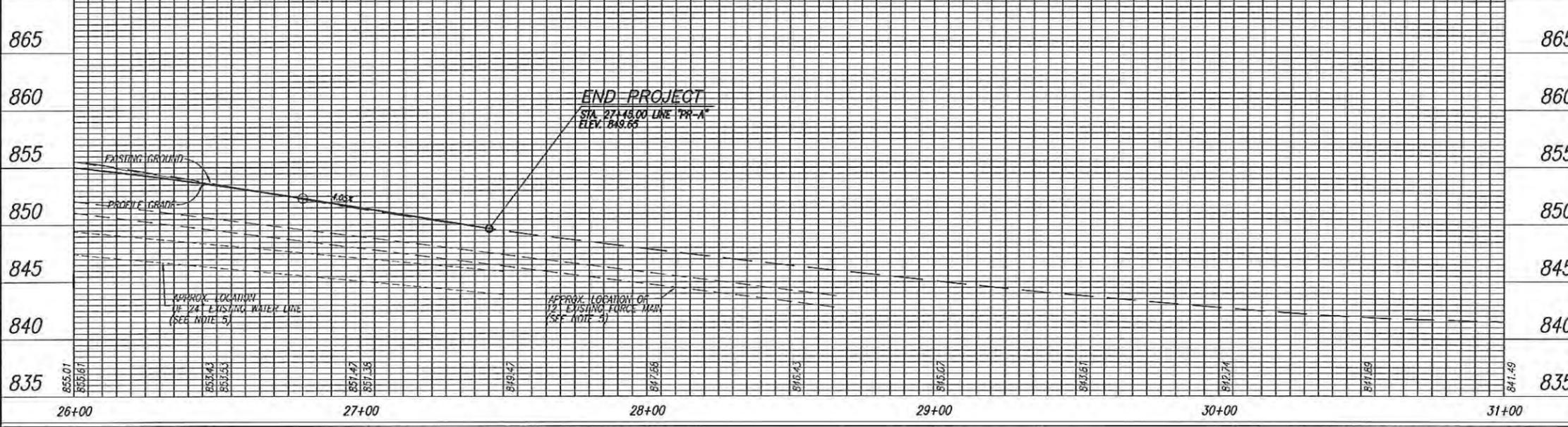
BENCHMARKS:

BM#5 R.R. SPIKE IN N. FACE PAP#254-629 ON S.SIDE OF 161ST STREET, W. OF ENTRANCE TO BRIDGEWATER COUNTRY CLUB AT 39.01 FEET RIGHT OF STA. 29+27.83 LINE "A".
ELEV.=844.17

NOTES:

- ALL STORM MANHOLE COVERS SHALL BE LABELED FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
- BLUE REFLECTORS SHALL BE INSTALLED IN PAVEMENT TO MARK FIRE HYDRANTS (PRIVATE AND PUBLIC) PER THE CITY OF WESTFIELD'S UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS.
- ALL OPEN ENDED INLETS MUST HAVE DEBRIS GUARD INSTALLED
- NEW CURB SHALL HAVE "V" MARKED IN IT AT VALVE LOCATIONS FOR WATER
- LOCATIONS OF THE SANITARY FORCED MAIN AND WATER LINE ARE APPROXIMATE AND ARE PROVIDED BY THE CITY OF WESTFIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS.

ALL TOPOGRAPHY DESCRIBED FROM LINE "A"
ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN.



Date: Nov 24, 2010, 11:44am User ID: hcolombio
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DLZ

NOT FOR CONSTRUCTION

INDIANA, LLC

| | |
|--------------------------|-------------|
| RECOMMENDED FOR APPROVAL | |
| DESIGNED: RED | DATE: _____ |
| CHECKED: BF | CHECKED: BF |

CITY OF WESTFIELD
161ST AND CAREY RD

PLAN AND PROFILE
LINE "PR-A" STA. 26+00 TO 31+00

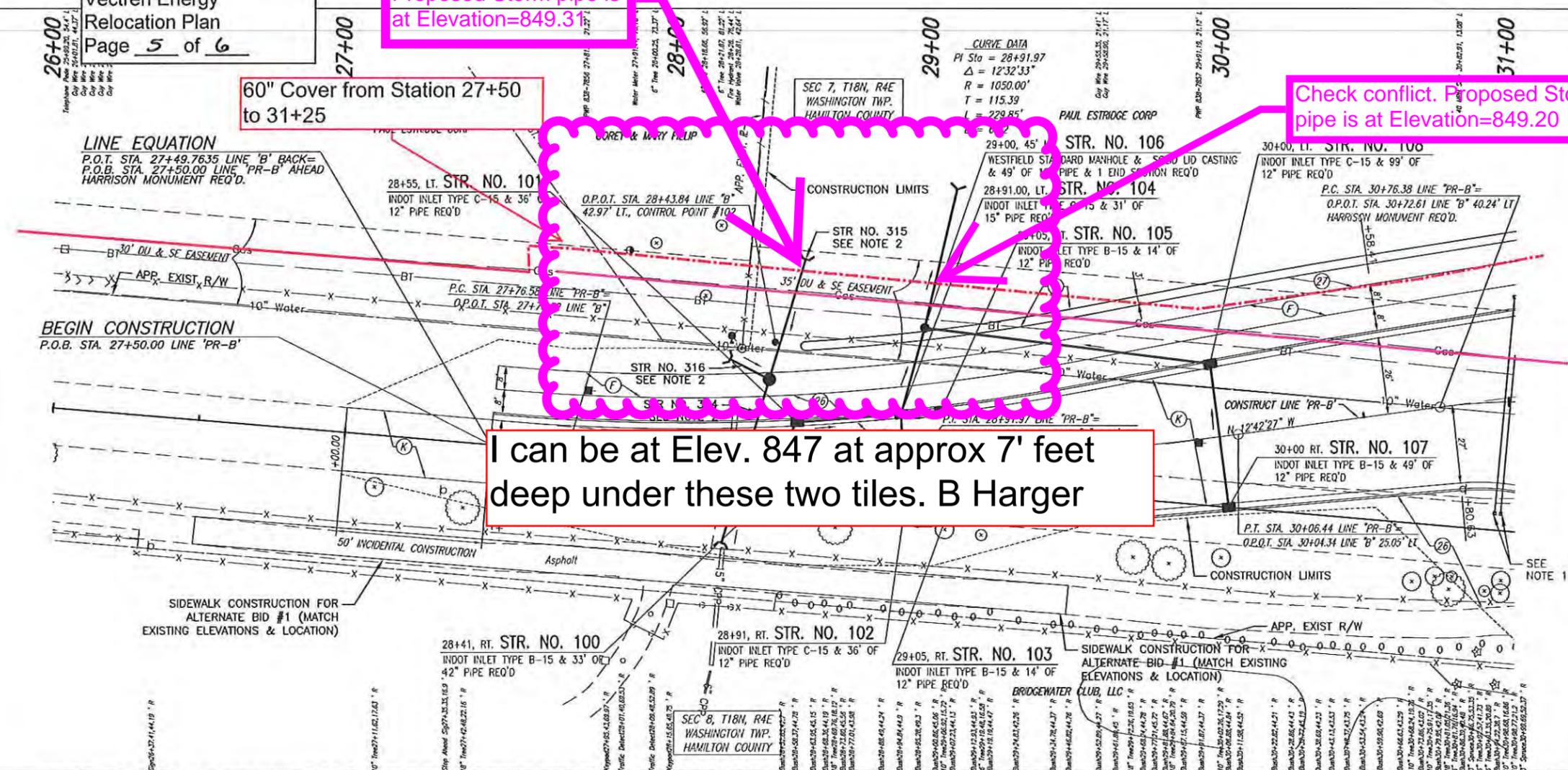
| | |
|------------------|-------------|
| HORIZONTAL SCALE | ROAD FILE |
| 1"=20' | N/A |
| VERTICAL SCALE | DESIGNATION |
| 1"=5' | --- |
| SURVEY BOOK | SHEETS |
| --- | 17 of 60 |
| CONTRACT | PROJECT |
| --- | --- |

Check conflict.
Proposed Storm pipe is
at Elevation=849.31

60" Cover from Station 27+50
to 31+25

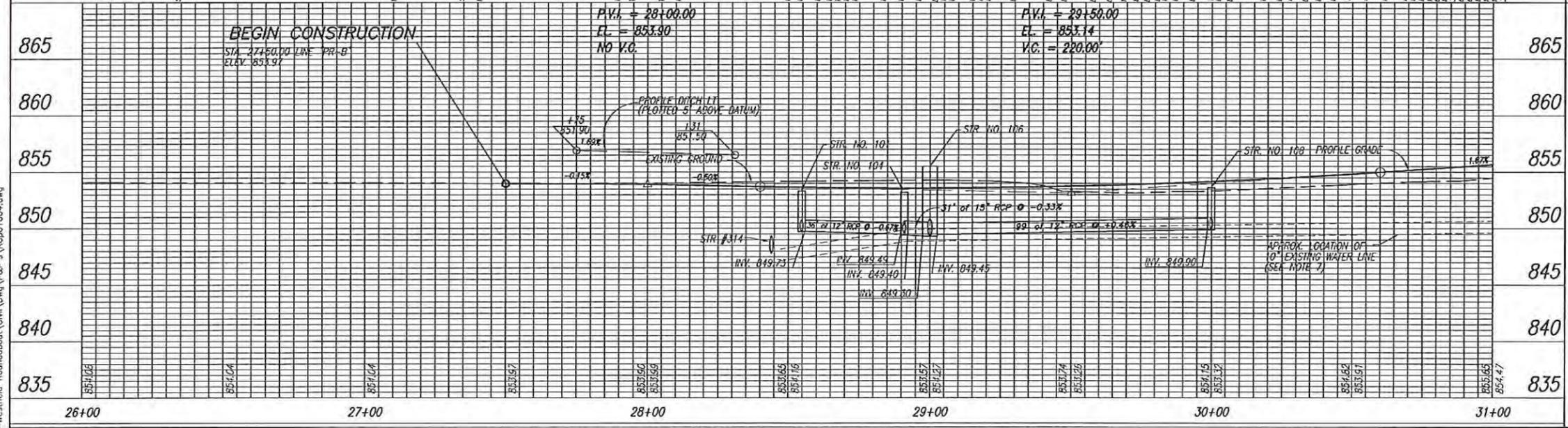
Check conflict. Proposed Storm
pipe is at Elevation=849.20

I can be at Elev. 847 at approx 7' feet
deep under these two tiles. B Harger



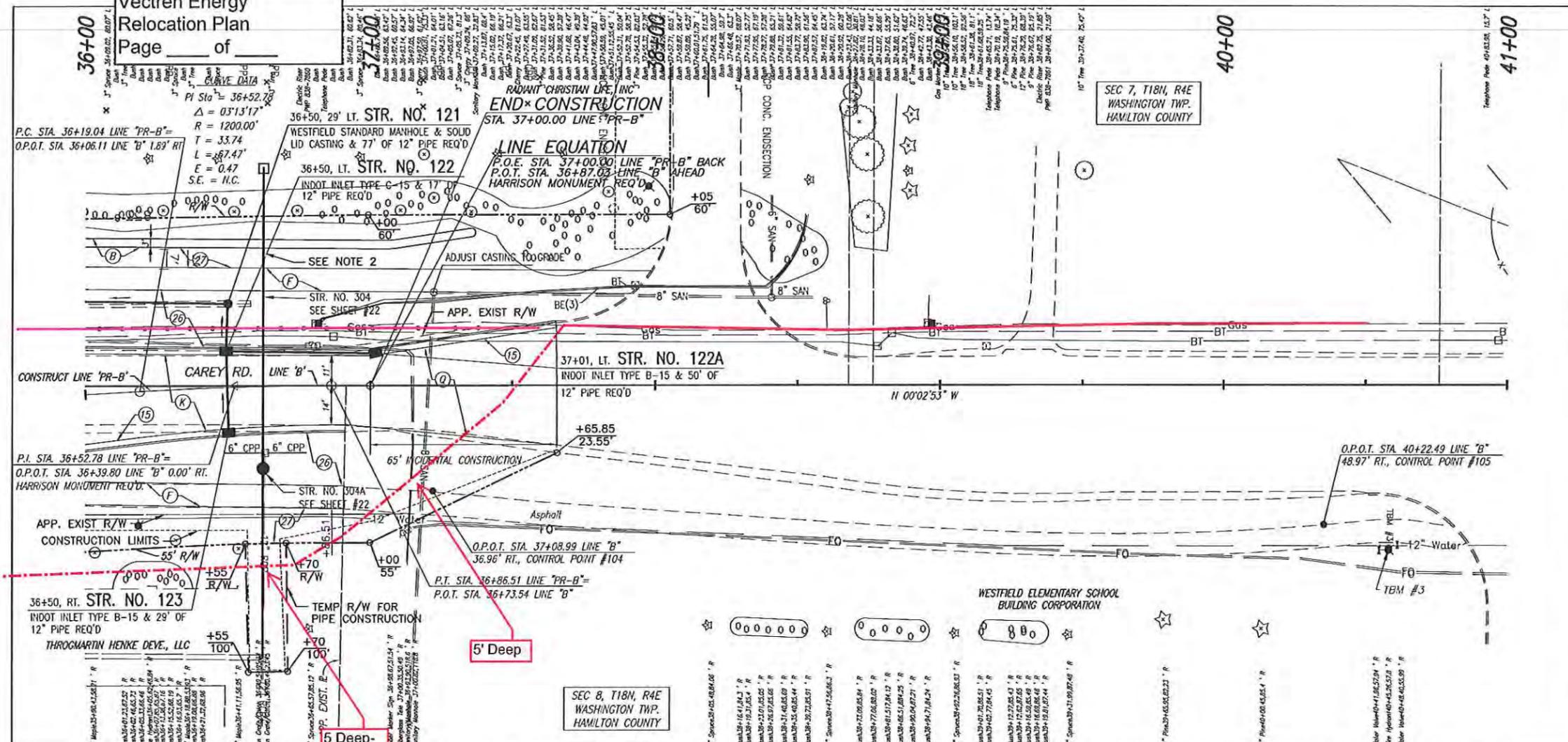
- LEGEND**
- (13) INDOT CONCRETE CURB TYPE B
 - (14) INDOT CONCRETE CURB
 - (15) INDOT COMBINED CONCRETE CURB & GUTTER
 - (22) BRICK PAVERS ON 6" CONCRETE ON 4" COMPACTED AGGREGATE BASE #53 (SEE GENERAL DETAIL SHEET #25)
 - (26) NURSERY SODDING-SEE LANDSCAPING PLANS
 - (27) SEEDING, SEE LANDSCAPING PLAN
 - (B) TOP OF BERM
 - (F) ASPHALT TRAIL
110 #/SYD. HMA SURFACE TYPE A ON 220 #/SYD. HMA INTERMEDIATE TYPE A ON 4" COMPACTED AGGREGATE BASE, NO 53
 - (K) MAINLINE PAVEMENT
165 #/SYD. HMA SURFACE TYPE B ON 275 #/SYD. HMA INTERMEDIATE TYPE B ON 440 #/SYD. HMA BASE TYPE B ON 300 #/SYD. OC/QA-HMA, 5, 76, INTERMEDIATE, ON 220 #/SYD. HMA BASE TYPE B, ON SUBGRADE TREATMENT, TYPE I
 - (D) SURFACE MILLING AND OVERLAY
165 #/SYD. HMA SURFACE TYPE B ON TRANSITION MILLING UP TO 1.5"
 - 12" X 12" PULLBOX
 - (-C) CURB RAMP (LETTER DENOTES TYPE) AND BRICK PAVERS (SEE GENERAL DETAIL SHEET #25)
 - (T) SIDEWALK TRANSITION

- NOTES:**
1. CONTRACTOR TO PROVIDE A 2" PVC CONDUIT AND A 4" PVC CONDUIT WITH PULL BOXES AS SHOWN ON THE PLANS FOR FUTURE IRRIGATION AND ELECTRICAL NEEDS. 2" CONDUIT SHALL BE FOR IRRIGATION AND 4" CONDUIT FOR ELECTRICAL. THE PULL BOX COVERS SHALL BE LABELED ACCORDINGLY FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
 2. SEE SHEET #22 FOR DRAINAGE BASIN AND STRUCTURE DETAILS
 3. ALL STORM MANHOLE COVERS SHALL BE LABELED FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
 4. BLUE REFLECTORS SHALL BE INSTALLED IN PAVEMENT TO MARK FIRE HYDRANTS (PRIVATE AND PUBLIC) PER THE CITY OF WESTFIELD'S UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS.
 5. ALL OPEN ENDED INLETS MUST HAVE DEBRIS GUARD INSTALLED
 6. NEW CURB SHALL HAVE "V" MARKED IN IT AT VALVE LOCATIONS FOR WATER
 7. LOCATIONS OF THE SANITARY FORCED MAIN AND WATER LINE ARE APPROXIMATE AND ARE PROVIDED BY THE CITY OF WESTFIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS
- ALL TOPOGRAPHY DESCRIBED FROM LINE "B"
ALL R/W DESCRIBED FROM LINE "PR-B" EXCEPT AS SHOWN.



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| | | | | | |
|---|---|---|---|---|--------------------------------------|
| | NOT FOR CONSTRUCTION DLZ INDIANA, LLC | RECOMMENDED FOR APPROVAL DESIGN ENGINEER _____ DATE _____ | CITY OF WESTFIELD 161ST AND CAREY RD | HORIZONTAL SCALE 1"=20' VERTICAL SCALE 1"=5' | ROAD FILE N/A DESIGNATION - |
| DESIGNED: RED DRAWN: HCC CHECKED: BF CHECKED: BF | | PLAN AND PROFILE LINE "PR-B" STA. 26+00 TO 31+00 | | SURVEY BOOK - | SHEETS 18 of 60 PROJECT - |



LEGEND

- (13) INDOT CONCRETE CURB TYPE B
- (14) INDOT CONCRETE CURB
- (15) INDOT COMBINED CONCRETE CURB & GUTTER
- (22) BRICK PAVERS ON 6" CONCRETE ON 4" COMPACTED AGGREGATE BASE #53 (SEE GENERAL DETAIL SHEET #25)
- (26) NURSERY SODDING-SEE LANDSCAPING PLANS
- (27) SEEDING, SEE LANDSCAPING PLANS
- (F) ASPHALT SURFACE
110 #/SYD. HMA SURFACE TYPE A, 9.5 mm ON 220 #/SYD. HMA INTERMEDIATE TYPE A, 19.0 mm ON 4" COMPACTED AGGREGATE BASE, NO 53
- (B) TOP OF BERM
- (K) MAINLINE PAVEMENT SECTION
165#/SYD. HMA SURFACE TYPE B ON 275#/SYD. HMA INTERMEDIATE TYPE B ON 440#/SYD. HMA BASE TYPE B ON 300 #/SYD. CC/QA-HMA 5, 76, INTERMEDIATE, ON 220#/SYD. HMA BASE TYPE B, ON SUBGRADE TREATMENT, TYPE I
- (O) SURFACE MILLING AND OVERLAY
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- (T) SIDEWALK TRANSITION

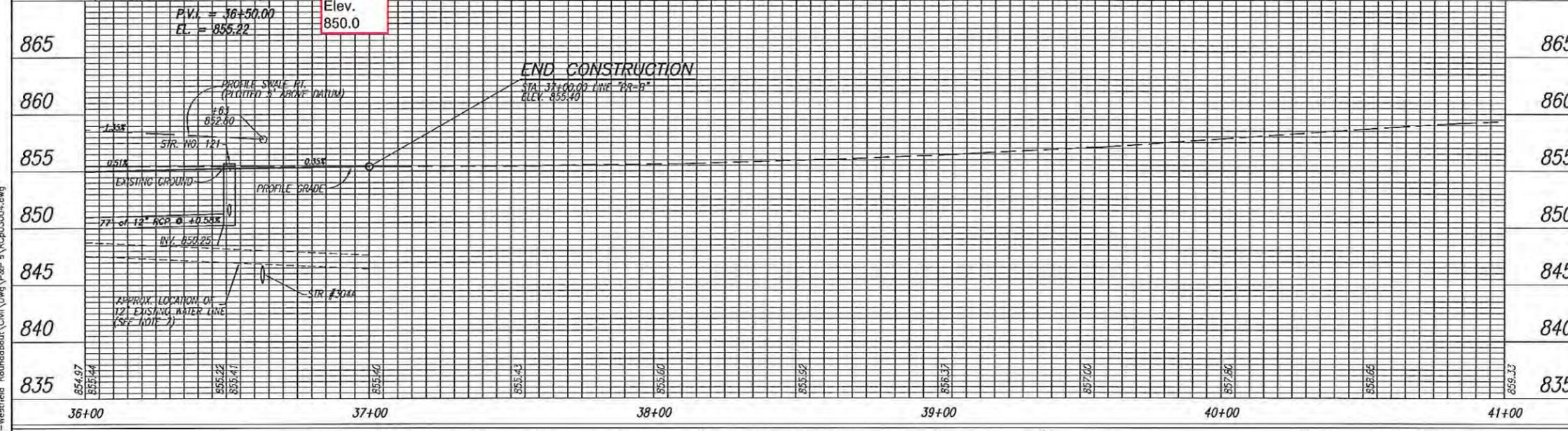
ALL TOPOGRAPHY DESCRIBED FROM LINE "B"
ALL R/W DESCRIBED FROM LINE "PR-B" EXCEPT AS SHOWN.

BENCHMARKS:

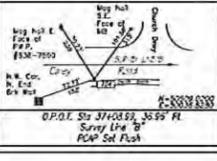
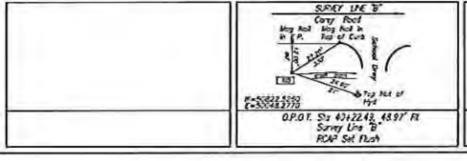
BM#3 CUT "X" W. BOLT TOP FLANGE OF F. HYDRANT S.E. QUAD. OF CAREY ROAD AND ENTRANCE TO CAREY RIDGE ELEM. AT 57.41 FEET RIGHT OF STA. 40+45.28 LINE "B". ELEV.=860.26

NOTES:

1. CONTRACTOR TO PROVIDE A 2" PVC CONDUIT AND A 4" PVC CONDUIT WITH PULL BOXES AS SHOWN ON THE PLANS FOR FUTURE IRRIGATION AND ELECTRICAL NEEDS. 2" CONDUIT SHALL BE FOR IRRIGATION AND 4" CONDUIT FOR ELECTRICAL. THE PULL BOX COVERS SHALL BE LABELED ACCORDINGLY FOR IDENTIFICATION IN ACCORDANCE WITH THE CITY STANDARDS
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Date: Nov 24, 2010, 11:46am User: hcalumbia File: M:\proj\0633-Westfield Roundabout\Civil\DWG\RD&P\RCp03004.dwg



NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

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| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: RED | DRAWN: HCC | |
| CHECKED: BF | CHECKED: BF | |

CITY OF WESTFIELD
161ST AND CAREY RD

PLAN AND PROFILE
LINE "PR-B" STA. 36+00 TO 41+00

| | |
|------------------|-------------|
| HORIZONTAL SCALE | ROAD FILE |
| 1"=20' | N/A |
| VERTICAL SCALE | DESIGNATION |
| 1"=5' | |
| SURVEY BOOK | SHEETS |
| CONTRACT | 20 of 60 |
| | PROJECT |
| | |