

*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*  
*Phone (317) 776-8495*  
*Fax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

April 16, 2013

TO: Hamilton County Drainage Board

**RE: Masthead Drain**  
**Windermere "Area A" Reconstruction**

Attached are Construction Plans and a 52.0 Petition for the relocation/reconstruction of the Masthead Drain. The relocation/reconstruction is petitioned by the Town of Fishers. The proposed relocation/reconstruction of the Masthead Drain is within existing platted easements of Masthead Sec. 12, Windermere Point Sec. 3 and existing right-of-way of Geist Road.

The relocation/reconstruction is being proposed as part of the Town of Fishers Windermere "Area A" drainage improvements project in the Windermere Point subdivision in Section 9, Township 17 North, Range 5 East, in Fall Creek Township, per plans submitted by the Town of Fishers and their Engineer, GRW Engineers Inc., Dated March 11, 2013, GRW Project No. 4030-04.

The proposed project relocates/reconstructs the portion of the Masthead Sec. 12 Drain between Structures 505-504 and 504-506. The Town of Fishers is proposing to upsize the existing 130 feet of regulated drain between these structures from a 24 inch corrugated metal pipe to a 36 inch RCP as part of their Windermere "Area A" drainage improvement project. This portion of regulated drain was outlined in my report dated December 26, 1984 and approved at a hearing on February 11, 1985 (See Hamilton County Drainage Board Minute Book 2, Page 38)

Also, as part of this relocation/reconstruction the Town of Fishers has requested that Hamilton County extend the existing regulated drain from Structure 20731A (Structure 506) Station 1+41 on the west side of Geist Road to Structure 3611A (Station

2+89). The request to extend the regulated drain by the Town of Fishers will add an additional 148 feet of 36 inch RCP drain to the Masthead regulated drain system.

During the preliminary design work for this project the Town's Engineer, GRW Engineers Inc., discovered the existing 24 inch pipe and metal end section on Lot 387 (Jabaai) in Masthead was located outside the platted easement for Masthead Sec. 12 (See Hamilton County Recorder's Office, Plat Cabinet 1, Slide 116). In order for the proposed new 36 inch pipe to remain where the existing pipe exists today the Town of Fishers and GRW was able to obtain an additional 5 feet of permanent easement from Lawrence D. & Loretta N. Jabaai on Parcel Number 13-15-09-02-01-043.000.

The remaining relocation/reconstruction will be in existing platted easement and right-of-way including the new drain between Stations 1+41 and 2+89 on the west side of Geist Road which is located within a platted 20 feet Drainage Easement within the Windermere Point Subdivision on the Fritts, David A. and Winebrenner, Matthew J. & Maya K. properties. The proposed relocation/reconstruction will add additional regulated drain easement to the following lots in Windermere Point Sec.3.

19-15-09-00-16-016.000	Windermere Point Sec. 3, Lot 44
19-15-09-00-16-015.000	Windermere Point Sec. 3, Lot 45

I recommend the Jabaai Easement Document for the additional 5 feet of permanent easement on Lot 387 (Jabaai) in Masthead Sec. 12 be accepted by the Board at this time.

The cost of the relocation/reconstruction is to be paid by the Town of Fishers. Therefore, a performance bond is not required for the relocation/reconstruction.

I recommend that the Board set a hearing for this relocation/reconstruction for June 24, 2013.

Sincerely



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/jll





HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: Windermere Area A Stormwater Improvements )  
Hamilton County, Indiana )

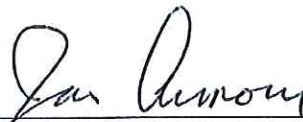
PETITION FOR RELOCATION AND RECONSTRUCTION

Town of Fishers (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Masthead Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Masthead Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Masthead Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Masthead Drain, without cost to other property owners on the watershed of the Masthead Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Masthead Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

  
\_\_\_\_\_  
Signed  
Jason Armour  
\_\_\_\_\_  
Printed

HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: Windermere Area A Stormwater Improvements )  
Hamilton County, Indiana )

PETITION FOR RELOCATION AND RECONSTRUCTION

\_\_\_\_\_ Town of Fishers \_\_\_\_\_ (hereinafter "Petitioner"),

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Signed

Printed

  
\_\_\_\_\_  
Jason Armour  
\_\_\_\_\_

STATE OF INDIANA     )  
                              ) ss:  
COUNTY OF HAMILTON )

BEFORE THE HAMILTON COUNTY  
DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN THE MATTER OF THE  
RECONSTRUCTION OF THE  
***Masthead Drain, Windermere "Area A" Reconstruction***

**FINDINGS AND ORDER FOR RECONSTRUCTION**

The matter of the proposed Reconstruction of the ***Masthead Drain, Windermere "Area A" Reconstruction*** came before the Hamilton County Drainage Board for hearing *on June 24', 2013*, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the ***Masthead Drain, Windermere "Area A" Reconstruction*** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD

  
PRESIDENT

  
Member

  
Member

ATTEST:

  
Executive Secretary

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

***Masthead Drain, Windermere "Area A" Reconstruction***

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Masthead Drain, Windermere "Area A" Reconstruction** on **June 24, 2013** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



STATE OF INDIANA     )  
                              ) SS                 BEFORE THE HAMILTON  
                              )  
COUNTY OF HAMILTON )                 DRAINAGE BOARD

**IN THE MATTER OF Masthead Drain, Windermere "Area A"  
Reconstruction**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **June 24, 2013** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

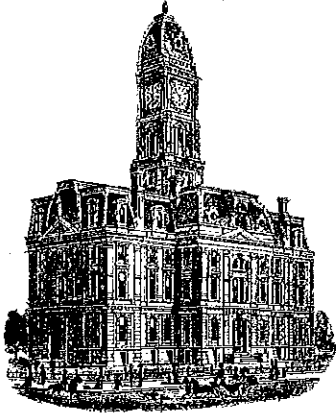
If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Christine Altman  
PRESIDENT

ATTEST: Lynette Mosbaugh  
SECRETARY





Kenton C. Ward, CFM  
Surveyor of Hamilton County  
Phone (317) 776-8495  
Fax (317) 776-9628

Suite 188  
One Hamilton County Square  
Noblesville, Indiana 46060-2230

**Map Correction-Field Verification**

**Drain Number:** 203

**Drain Length:** 278

**Drain Name:** Windermere "Area A" Reconstruction Change +/- : 11

**Date:** 1-9-2015

**New Length:** 289

**Verified By:** JLL & SLM

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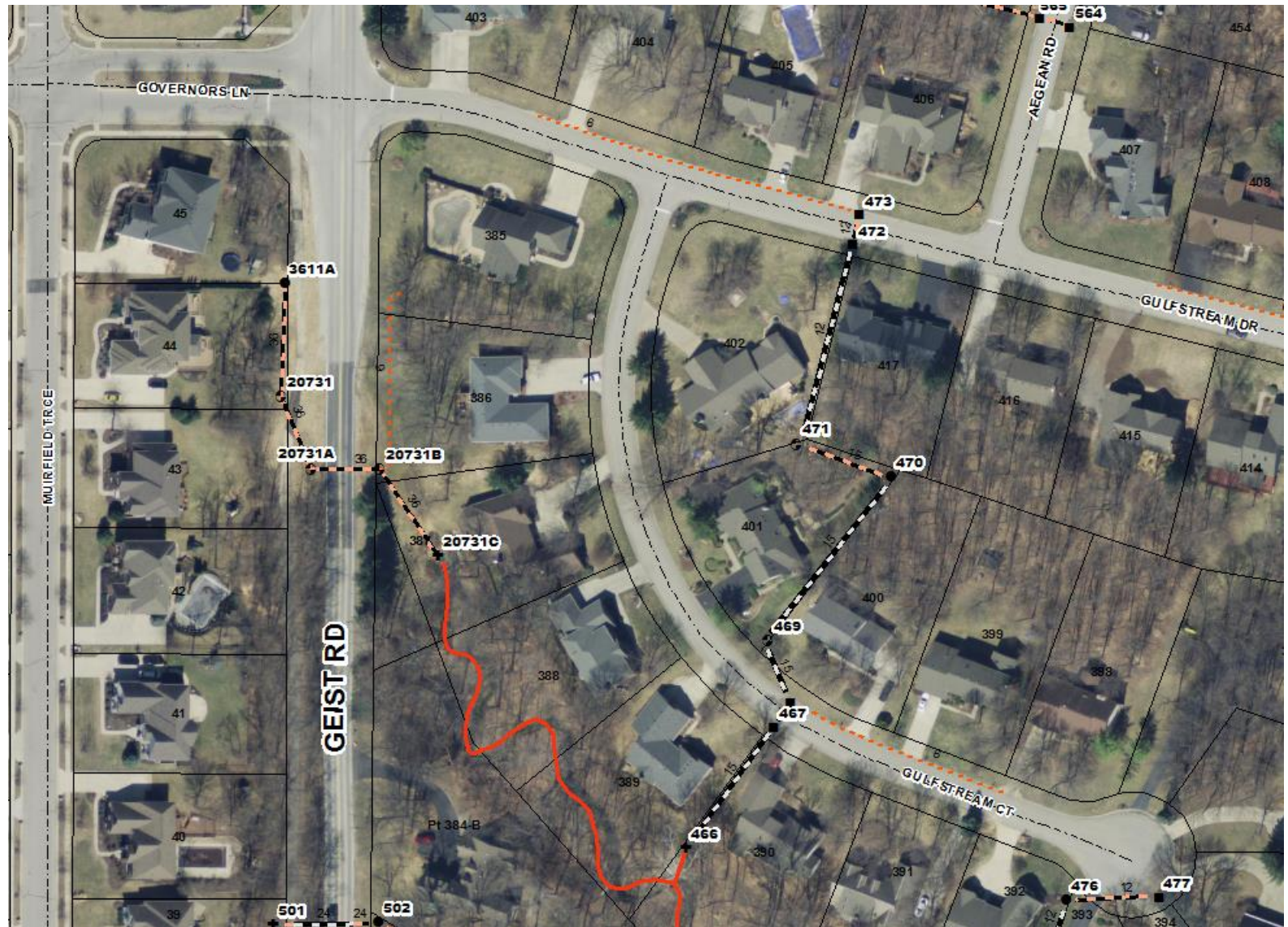
**Notes & Sketch:** See Attached As-built

Drain was constructed with the Windermere "Area A" Reconstruction. Project was approved by the Drainage Board on June 24, 2013 (DRB 15, PGS. 48-50)

The project Removed 130' of existing 24" RCP constructed with Masthead Section 12 (Str. 506-504, 504-505). Installed with this project was 289 feet of 36" RCP between new structures 3611A, 20731, 20731A, 20731B, 20731C)

This new drain is profiled on the attached as-built completed by GRW Engineering; dated April 2013; Sheet C-01. The project was installed by the Town of Fishers and Inspected by Jerry Liston of the Surveyor's Office (See Final Inspection Report Dated November 3, 2014).

Suzanne L. Mills  
GIS Specialist



This map was compiled by the Hamilton County Surveyor's Office. Although strict accuracy standards have been employed in the compilation of this map, Hamilton County does not warrant or guarantee the accuracy of the information contained herein and disclaims any and all liability resulting from any error or omission in this map.

## MASTHEAD DRAIN WINDEMERE "AREA A" RECONSTRUCTION

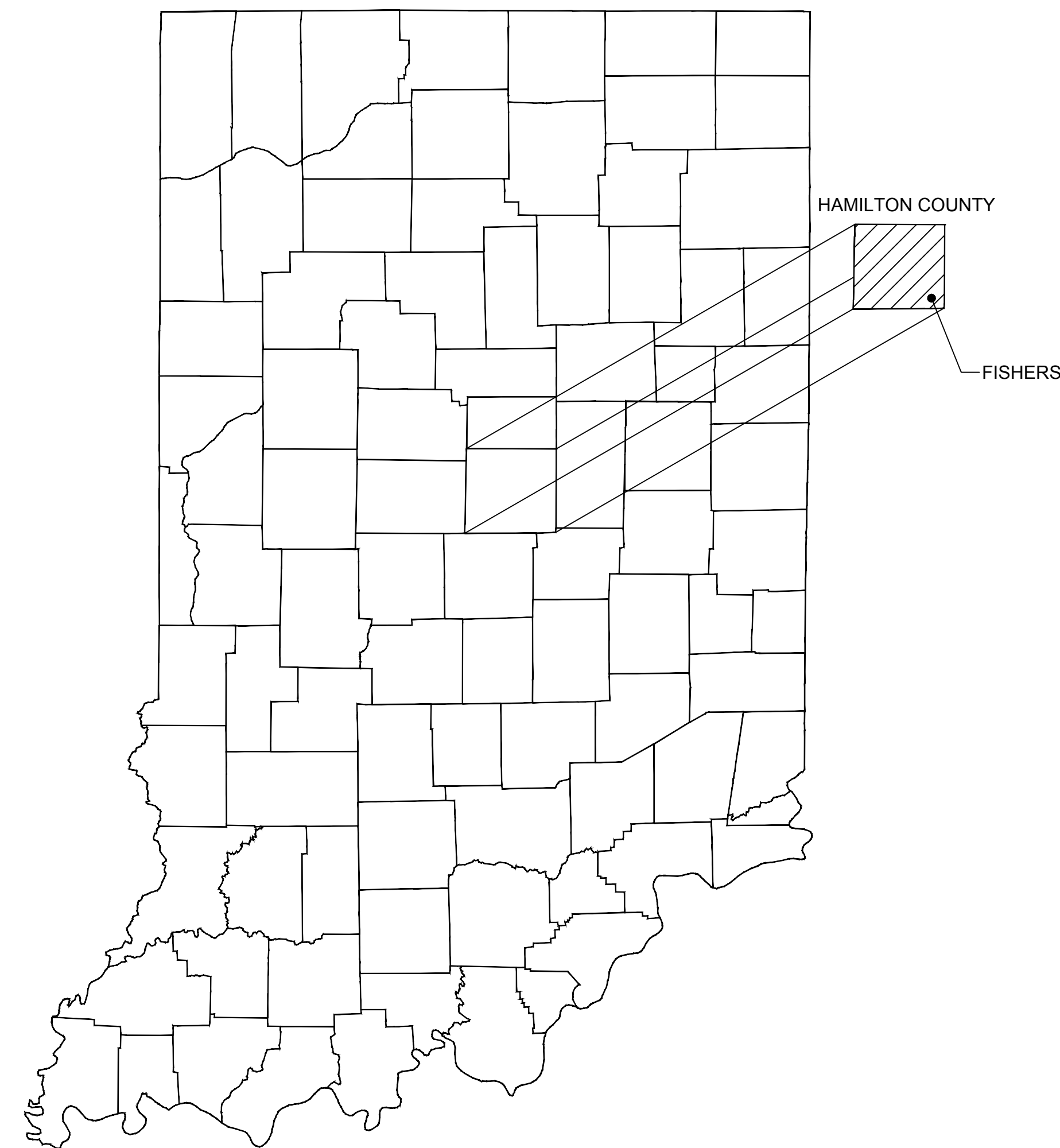
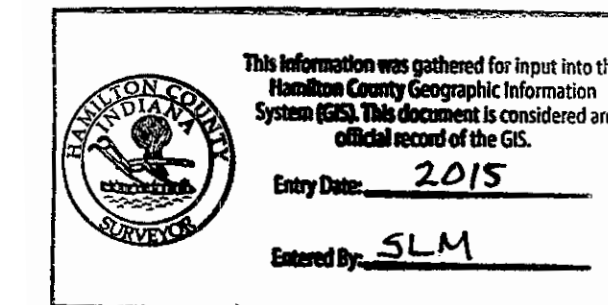
Printing Date: 1/9/2015  
 Prepared By: Suzanne Mills, GISP  
 Hamilton County Surveyor's Office  
 One Hamilton County Square, Ste 18E  
 Noblesville, IN 46060  
 317-776-8495





# WINDERMERE "AREA A" STORMWATER IMPROVEMENTS

## TOWN OF FISHERS, INDIANA




ENGINEERS - ARCHITECTS - PLANNERS

[www.grwinc.com](http://www.grwinc.com)

This document, originally issued, sealed, and signed by Joseph P. Tierney, Indiana Professional Engineer, No. 19300407, on April 19, 2013, shall not be used in lieu of a certified document.

THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR. GRW ENGINEERS, INC. HAS ATTEMPTED TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.



ENGINEER/ARCHITECT: Joseph P. Tierney  
CONSTRUCTION COMPANY: Calumet Civil Contractor, Inc.  
DATE: MARCH 21, 2014



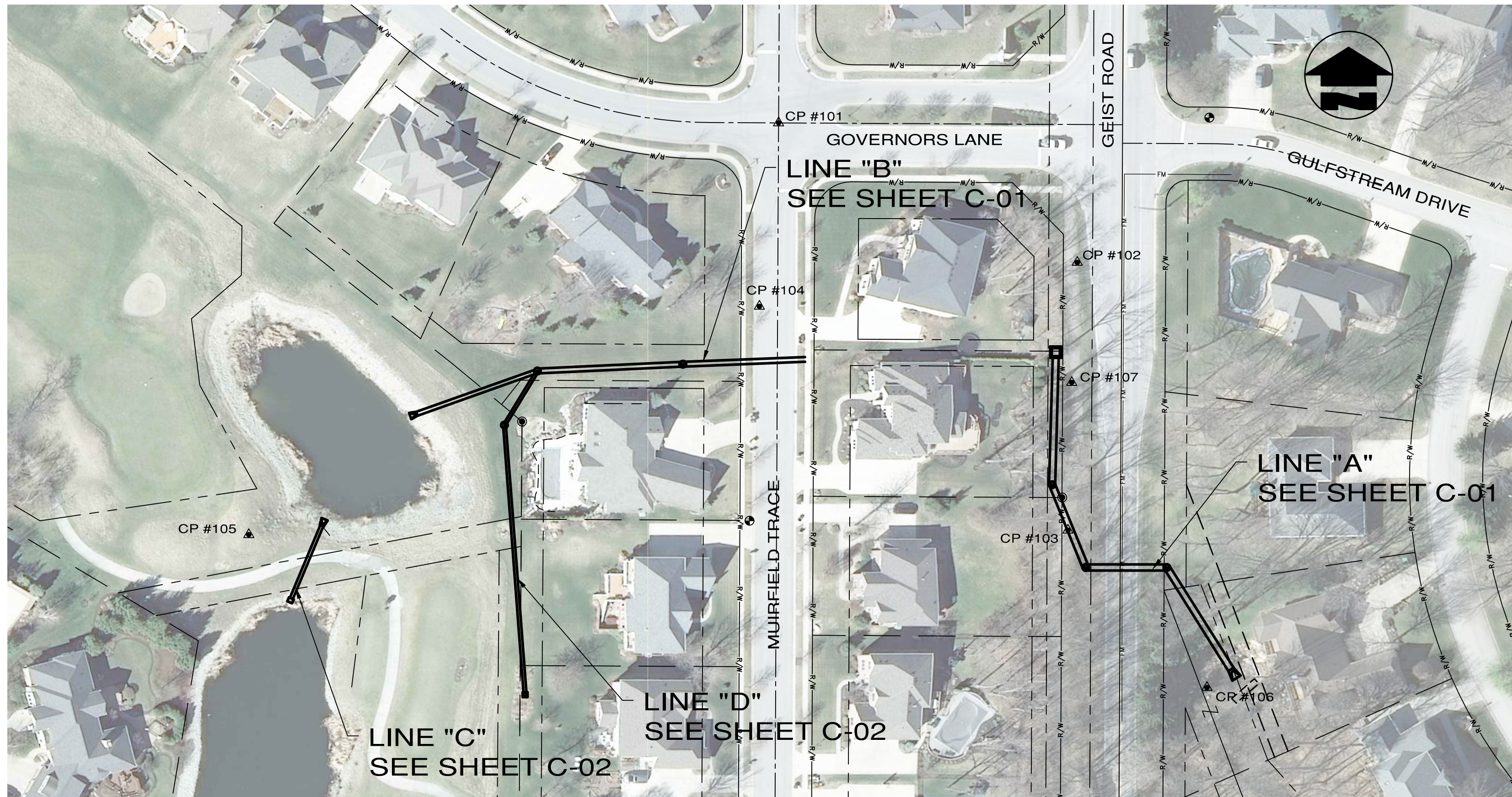
SCALE: 1" = 2000'

PLAN SET IS FULL SCALE ON 24"X36"  
AND HALF SCALE ON 12"X18"

APRIL, 2013

GRW PROJECT NO. 4030-04





**DRAWING INDEX**

NOT TO SCALE

**GENERAL NOTES:**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO AVOID EXISTING UTILITIES AND PERFORM ANY REQUIRED REPAIRS. IN ADDITION TO ALL UTILITY LINES, THE CONTRACTOR SHALL AVOID AND REPAIR ANY DAMAGE TO BURIED FIBER OPTIC CABLE, FIELD DRAINAGE TILES, AND PRIVATE IRRIGATION SYSTEMS. INDIANA UNDERGROUND UTILITIES PROTECTION SERVICE (811) SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BEGINNING ANY WORK.
- UTILITY POLES ARE SHOWN ON THE PLANS, BUT OVERHEAD LINES HAVE BEEN OMITTED FOR CLARITY. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF OVERHEAD OBSTRUCTIONS, ESPECIALLY OVERHEAD ELECTRIC LINES.
- THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING, ADJUSTING, AND/OR HOLDING ANY UTILITY LINE AND/OR ASSOCIATED SERVICE POLE, OR DOWN GUY AT HIS OWN EXPENSE, WITH THE EXCEPTION OF WATER AND GAS MAINS. HE SHALL ALSO BE RESPONSIBLE TO CONTACT ANY UTILITY OWNER AS NECESSARY TO RESOLVE ALL UTILITY CONFLICTS INCURRED DURING THE COMPLETION OF HIS CONSTRUCTION OPERATIONS
- ALL TREES AND SHRUBS IN THE VICINITY OF THE PROPOSED SEWER SHALL BE PROTECTED. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL FROM THE OWNER OR ENGINEER'S REPRESENTATIVE.
- ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH TOPSOIL, SEED MIX AND STRAW AS PER SPECIFICATIONS SECTION 02920 UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS SHALL BE RESTORED TO EQUAL TO OR BETTER THAN ORIGINAL CONDITIONS. RESTORATION SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER, COUNTY HIGHWAY SUPERINTENDENT, THE ENGINEER, OR THEIR REPRESENTATIVES.
- CONTRACTOR SHALL REESTABLISH ALL PROPERTY CORNERS WITH STEEL REBAR PINS PER COUNTY STANDARDS, UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
- THE CONTRACTOR SHALL OBTAIN PERMITS AND PAY ALL FEES REQUIRED TO CONSTRUCT THE PROJECT. OTHER PERMITS OBTAINED BY ENGINEER AND/OR OWNER
- ROAD CLOSURES ARE PERMITTED ONLY WITH APPROVAL FROM THE OWNER AND COUNTY.
- ALL DISTURBED AREAS, INCLUDING BUT NOT LIMITED TO, STREETS, DRIVES, WALKS, FENCES, LAWNS, ETC. SHALL BE RESTORED TO CONDITIONS EQUAL TO OR BETTER THAN THOSE PRIOR TO CONSTRUCTION.
- DURING CONSTRUCTION IT MAY BE NECESSARY TO TRIM, TRANSPLANT OR REMOVE A TREE WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ANY AFFECTED PROPERTY OWNER PRIOR TO ANY REQUIRED TREE REMOVAL. FLAG TREES FOR REMOVAL TWO WEEKS PRIOR TO DISTURBANCE AND TREE REMOVAL. TREE TRIMMING AS REQUIRED WITHIN THE RIGHT-OF-WAY SHALL BE MINIMIZED.
- STREET LINES AND PROPERTY LINES SHOWN ON THIS PLAN ARE NOT THE RESULT OF DEED RESEARCH AND ARE TO BE CONSIDERED APPROXIMATE AND FOR REFERENCE ONLY.
- EXISTING CONNECTIONS OF ROOF DRAINS, FOUNDATION DRAINS, FIELD TILES, AND ANY OTHER CLEAN WATER DISCHARGES SHALL BE CONNECTED TO NEAREST PROPOSED STRUCTURE, OR AS DIRECTED BY THE ENGINEER.
- LIMITS OF CONSTRUCTION SHALL BE MAINTAINED WITHIN RIGHT-OF-WAY OR EASEMENTS. THE CONTRACTOR SHALL INSURE THAT CONSTRUCTION DOES NOT DAMAGE ADJACENT PUBLIC OR PRIVATE PROPERTY.
- THE ENGINEER SHALL BE NOTIFIED OF ANY FIELD TILES FOUND DURING CONSTRUCTION OPERATIONS. IF DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL, AT HIS EXPENSE, REPAIR THE DAMAGED PORTION AND SHALL, IF NECESSARY, EXTEND THE TILE TO THE NEAREST STORM INLET, MANHOLE, OR POINT OF POSSIBLE OUTLET IN ACCORDANCE WITH LOCAL/STATE REQUIREMENTS, AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WATER NEEDED FOR ANY TESTING, CLEANING, ETC.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION FROM EXISTING WATER WELLS AND A 10' SEPARATION FROM WATER LINES WHERE POSSIBLE. CROSSINGS SHALL MAINTAIN A MINIMUM OF 18" VERTICAL CLEARANCE FROM SANITARY SEWER AND WATER LINE CROSSING. WHERE 18" VERTICAL CLEARANCE CANNOT BE MAINTAINED, CONTRACTOR SHALL SET CONCRETE CRADLES AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TO INLETS FOR ALL DISTURBED AREAS.
- PIPE APPURTENANCES ARE NOT SPECIFICALLY CALLED OUT ON THE PLANS. THE CONTRACTOR'S BID SHALL INCLUDE ALL APPURTENANCES NECESSARY FOR CONSTRUCTION.
- VERTICAL DATUM=NAD 1983 INDIANA STATE PLANE COORDINATE SYSTEM U.S. SURVEY FEET; HORIZONTAL DATUM=NAD 1988 INDIANA STATE PLANE COORDINATE SYSTEM U.S. SURVEY FEET.
- CONTRACTOR SHALL EXCAVATE ALL EXISTING STORM SEWER AT PROPOSED CONNECTION POINTS TO VERIFY LOCATION, DEPTH AND SIZE PRIOR TO ANY CONSTRUCTION INCLUDING MATERIAL ORDERS. ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES FOUND THAT WOULD IMPAIR CONTRACTOR'S ABILITY TO INSTALL STORM SEWER AS SHOWN IN PLANS.
- STORM SEWERS WHICH ARE DESIGNATED TO BE ABANDONED SHALL BE BULKHEADED WITH MORTAR AND AN EIGHT (8) INCH THICK SOLID CONCRETE BRICK WALL. THE STORMWATER CONDUITS WHICH ARE TO BE ABANDONED IN PLACE SHALL BE FILLED WITH SAND OR FLOWABLE FILL AND PLUGGED.

**EXISTING LEGEND**

- EXISTING BENCHMARK
- EXISTING CATCH BASIN
- ▤ EXISTING INLET
- ⊕ EXISTING INLET
- ⊞ EXISTING CABLE BOX
- ▲ EXISTING CONTROL POINT
- △ EXISTING SECTION CORNER
- EXISTING DECIDUOUS TREE
- ⊞ EXISTING ELECTRICAL BOX
- EM EXISTING ELECTRIC METER
- ET EXISTING ELECTRIC TRANSFORMER
- EXISTING FIRE HYDRANT
- EXISTING FLAG POLE
- FG EXISTING FIBER OPTIC BOX
- GM EXISTING GAS METER
- ⊞ EXISTING GAS MARKER
- ⊞ EXISTING GAS PRESSURE VALVE
- GS EXISTING GAS STOP
- ⊞ EXISTING GAS VALVE
- EXISTING GUY WIRE
- ⊞ EXISTING GRAVE STONE
- ☀ EXISTING LIGHT POLE
- M EXISTING MAILBOX
- SV EXISTING SEWER VALVE
- CV EXISTING SEWER CORP STOP
- ⊞ EXISTING TELEPHONE MANHOLE
- ▲ EXISTING PKNAIL FOUND
- EXISTING PINE TREE
- ⊞ EXISTING POWER POLE
- EXISTING SIGN
- EXISTING SHRUB
- ⊞ EXISTING TEMP BENCHMARK
- ⊞ EXISTING TELEPHONE BOX
- ⊞ EXISTING TELEPHONE MARKER
- ⊞ EXISTING TELEPHONE MARKER
- ⊞ EXISTING TRAFFIC POLE
- ⊞ EXISTING VALVE VAULT
- ⊞ EXISTING WATER METER
- ⊞ EXISTING WATER VALVE
- MH EXISTING MANHOLE
- ⊞ EXISTING WATER WELL
- E EXISTING ELECTRIC MANHOLE
- FO EXISTING FIBER OPTIC MANHOLE
- SS EXISTING SANITARY MANHOLE
- ⊞ EXISTING CLEANOUT
- LS EXISTING LIFT STATION
- SM EXISTING STEAM MANHOLE
- S EXISTING STORM MANHOLE
- C EXISTING CISTERN
- EXISTING BOLLARD
- EXISTING POST
- LF EXISTING LEACH FIELD
- DI DUCTILE IRON
- RJDI RESTRAINED JOINT DUCTILE IRON
- R/W EXISTING RIGHT-OF-WAY
- ===== EXISTING SANITARY SEWER
- ===== EXISTING STORM SEWER
- cv— EXISTING CABLE TV
- fo— EXISTING FIBER OPTIC LINE
- T— EXISTING TELEPHONE LINE
- EXISTING WATER'S EDGE
- 550--- EXISTING CONTOUR
- GRA. EXISTING GRAVEL DRIVE
- CONC. EXISTING CONCRETE DRIVE
- ASPH. EXISTING ASPHALT DRIVE
- ⊞ EXISTING RIP-RAP

**PROPOSED LEGEND**

- ⊞ PROPOSED STORM SEWER MANHOLE
- ===== PROPOSED STORM SEWER
- ▨ SURFACE RESTORATION
- ▨ GRANULAR BACKFILL
- ▨ FLOWABLE BACKFILL
- ▨ BORE AND JACK
- ▨ DIRECTIONAL DRILL
- ⊞ RIP-RAP
- ===== LIMITS OF CONSTRUCTION
- ===== PROPOSED EASEMENT

THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR. GRW ENGINEERS, INC. HAS ATTEMPTED TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

ENGINEER/ARCHITECT: Joseph P. Tierney  
 CONSTRUCTION COMPANY: Calumet Civil Contractor, Inc.  
 DATE: MARCH 21, 2014

Indiana Underground Plant Protection Service  
 CALL TWO WORKING DAYS BEFORE YOU DIG IT'S THE LAW 811

**UTILITY SERVICE CONTACTS**

- SANITARY SEWER SERVICE**  
 JIM HART  
 HAMILTON SOUTHEASTERN UTILITIES, INC.  
 11901 LAKESIDE DRIVE  
 FISHERS, INDIANA 46038  
 (317) 577-2300
- WATER SERVICE**  
 CHRIS BRUMFIELD  
 CITIZENS WATER  
 1220 WATERWAY BOULEVARD  
 INDIANAPOLIS, IN 46206  
 (317)263-6882
- GAS SERVICE**  
 JOANIE CLARK  
 VECTREN  
 16000 ALLISONVILLE ROAD  
 P.O. BOX 1700  
 NOBLESVILLE, IN 46061  
 (317)776-5532
- ELECTRIC SERVICE**  
 TRACY GRADY  
 DUKE ENERGY  
 100 SOUTH MILL CREEK ROAD  
 NOBLESVILLE, IN 46060  
 (317)776-5352  
 (800)521-2232
- TELEPHONE SERVICE**  
 ROBERT REYNOLDS  
 AT&T  
 5858 NORTH COLLEGE AVENUE  
 INDIANAPOLIS, IN 46220  
 (317)252-4148
- CABLE SERVICE**  
 MATTHEW STRINGER  
 COMCAST  
 9750 E 150th STREET  
 NOBLESVILLE, IN 46060  
 (317)774-3384

INDEX OF DRAWINGS	
NO.	DRAWING TITLE
<b>CIVIL/SITE WORK</b>	
G-00	COVER SHEET
G-01	DRAWING INDEX
C-01	LINE "A" AND LINE "B" PLAN AND PROFILE
C-02	LINE "C" AND LINE "D" PLAN AND PROFILE
C-03	STANDARD DETAILS
C-04	STORMWATER POLLUTION PREVENTION PLAN
C-05	STORMWATER POLLUTION PREVENTION PLAN INDEX AND MEASURES
C-06	STORMWATER POLLUTION PREVENTION PLAN DETAILS
C-07	STORMWATER POLLUTION PREVENTION PLAN DETAILS
C-08	MAINTENANCE OF TRAFFIC
C-09	MAINTENANCE OF TRAFFIC
--	TOWN OF FISHERS STANDARD CONSTRUCTION DETAILS

This document, originally issued, sealed, and signed by Joseph P. Tierney, Indiana Professional Engineer, No. 19300407, on April 19, 2013, shall not be used in lieu of a certified document.

GRW PROJECT NO. 4030-04  
 CLIENT PROJECT NO. --  
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GRW ENGINEERS, INC.

ENGINEERS - ARCHITECTS - PLANNERS  
 www.grwinc.com

**DRAWING INDEX AND GENERAL NOTES**  
**WINDERMERE "AREA A" STORMWATER IMPROVEMENTS**  
 TOWN OF FISHERS, INDIANA

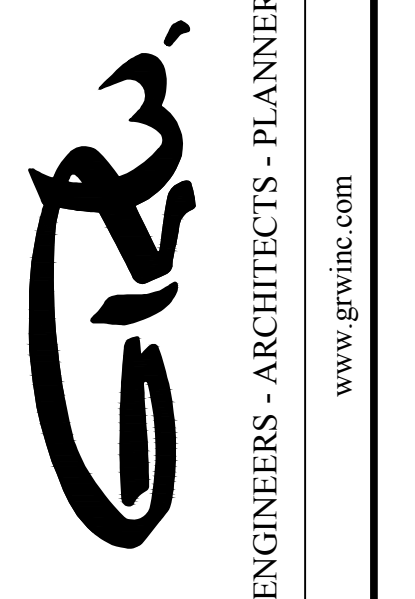
NO.	DESCRIPTION	DESIGNED		DRAWN		REVIEWED		APPROVED	
		DATE	BY	DATE	BY	DATE	BY	DATE	BY

DATE: APRIL 2013  
 SCALE: N.T.S.  
 SHEET NO. **G-01**



This document, originally issued, sealed, and signed by Joseph P. Tierney, Indiana Professional Engineer, No. 19300407, on April 19, 2013, shall not be used in lieu of a certified document.

GRW PROJECT NO. 4039-04  
CLIENT PROJECT NO. --

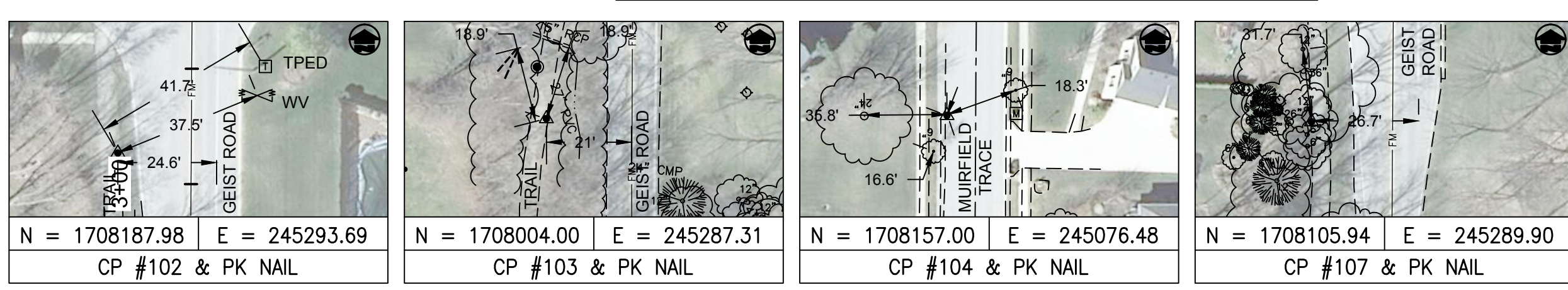
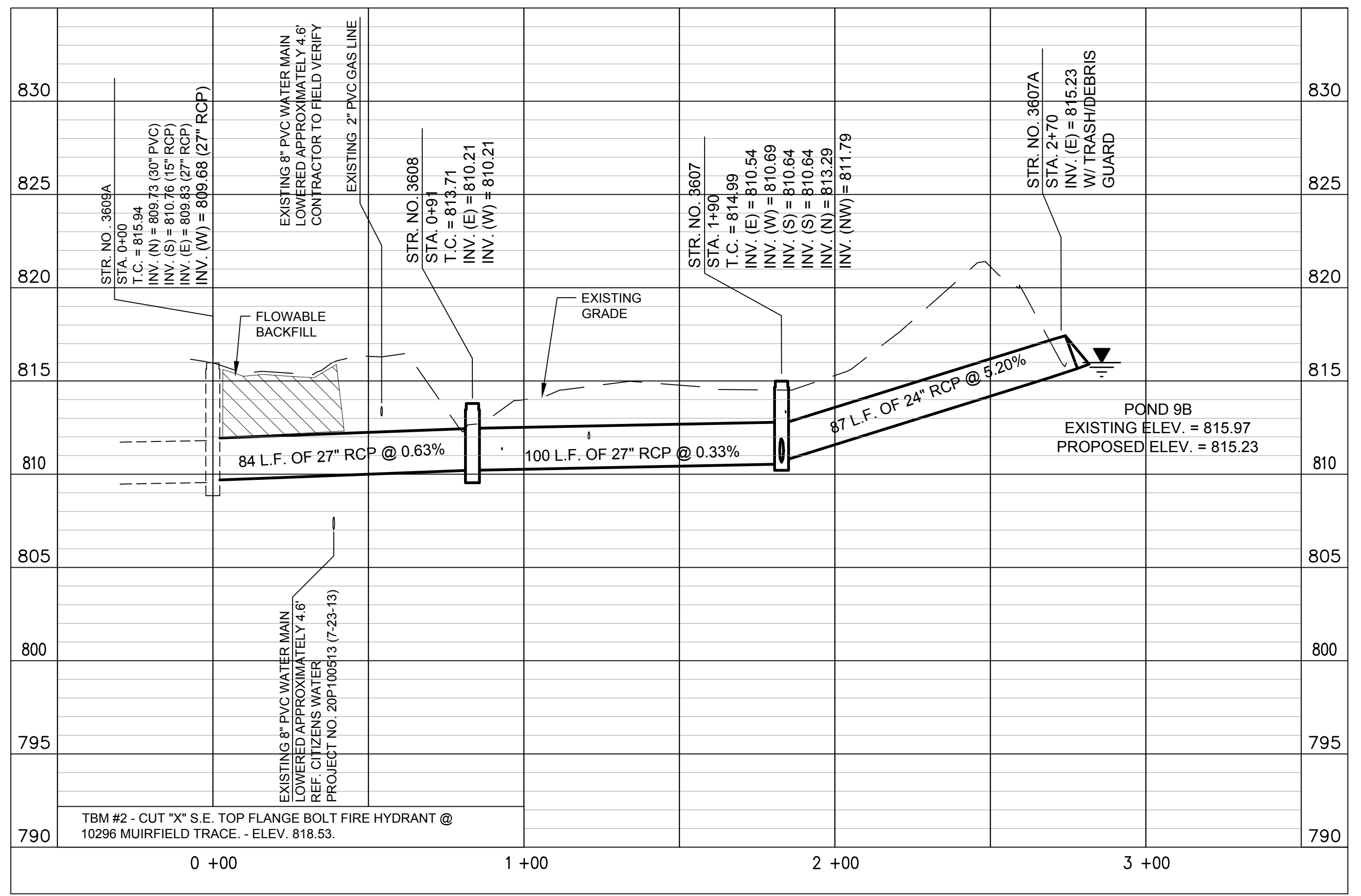
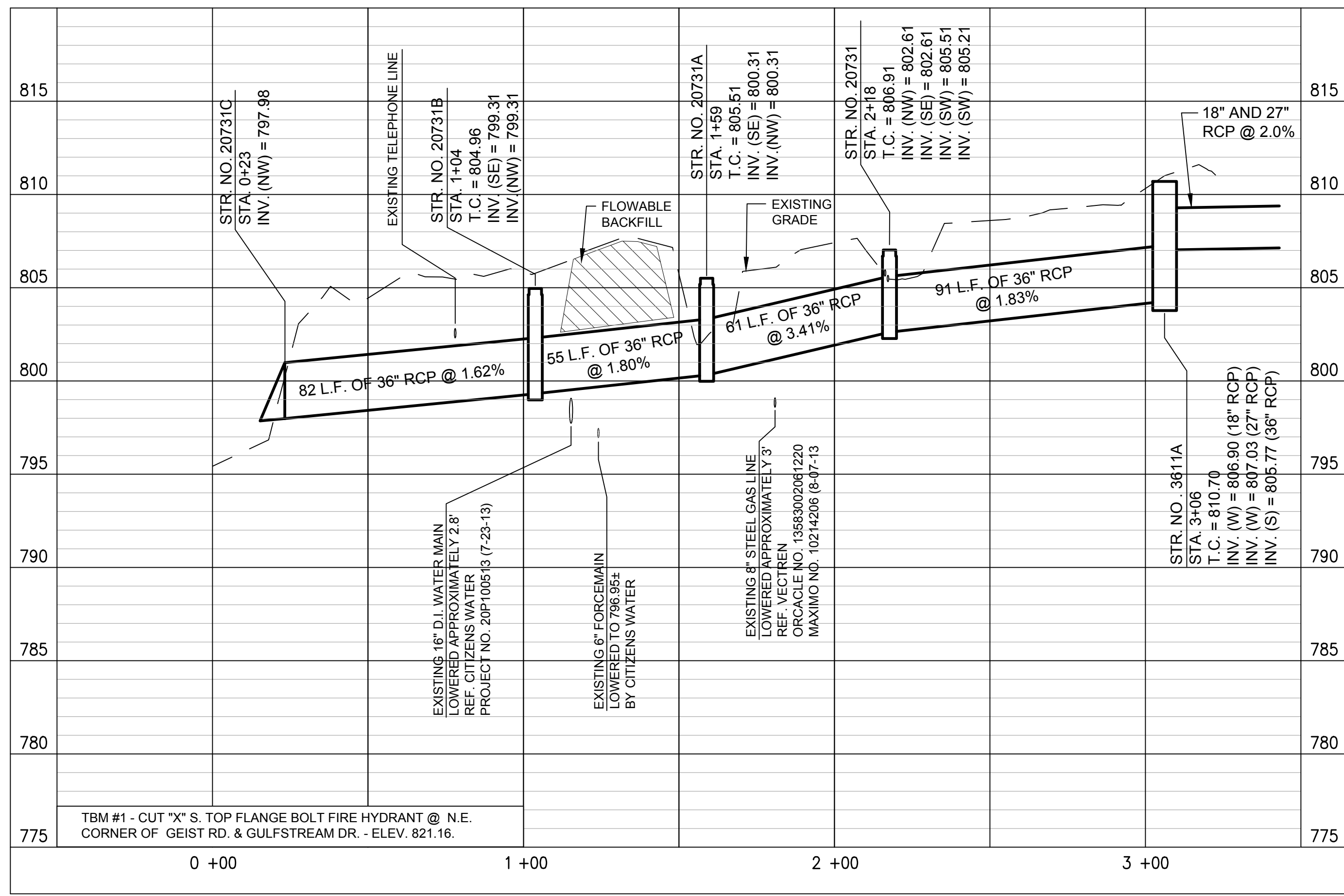
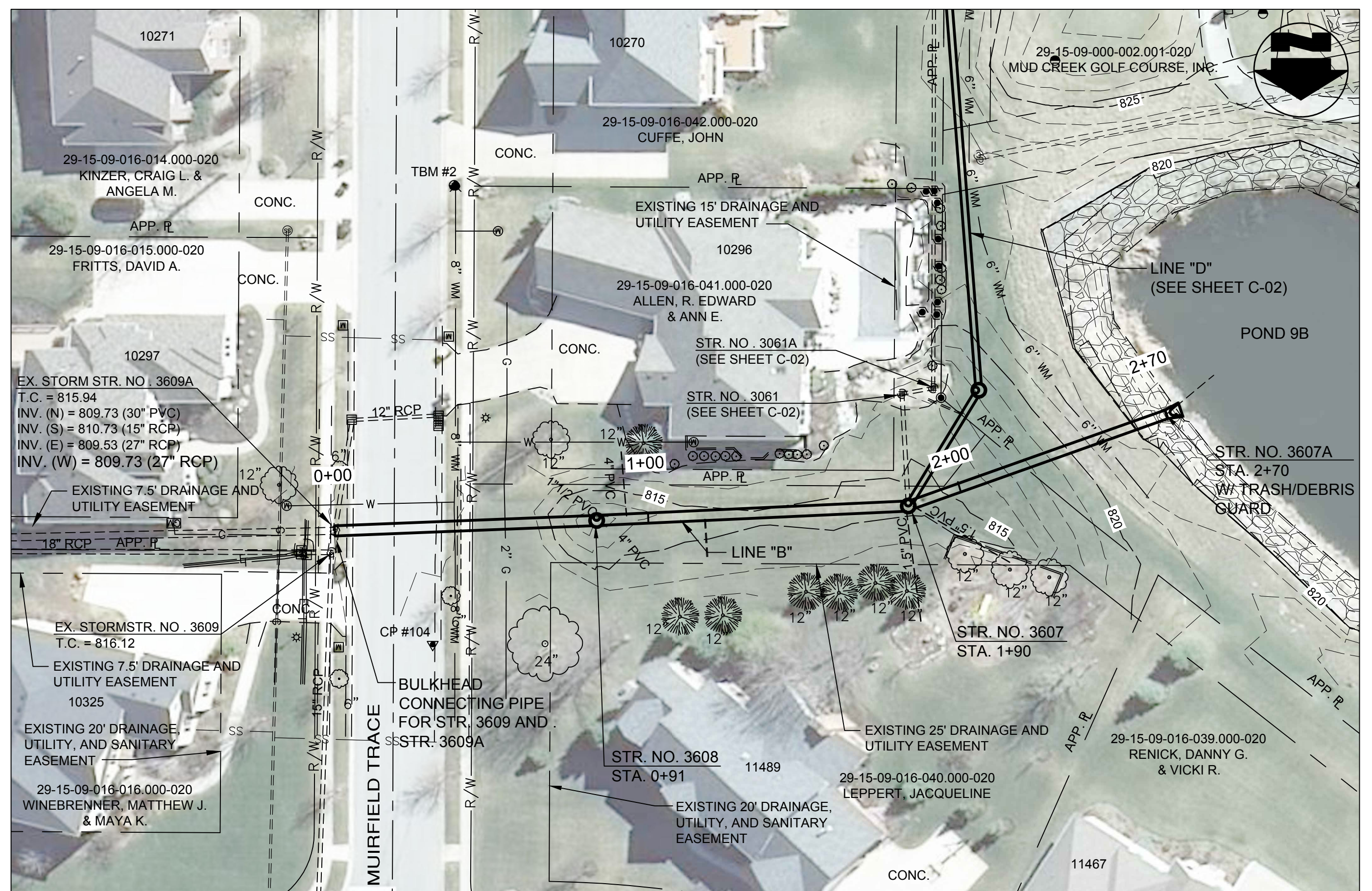
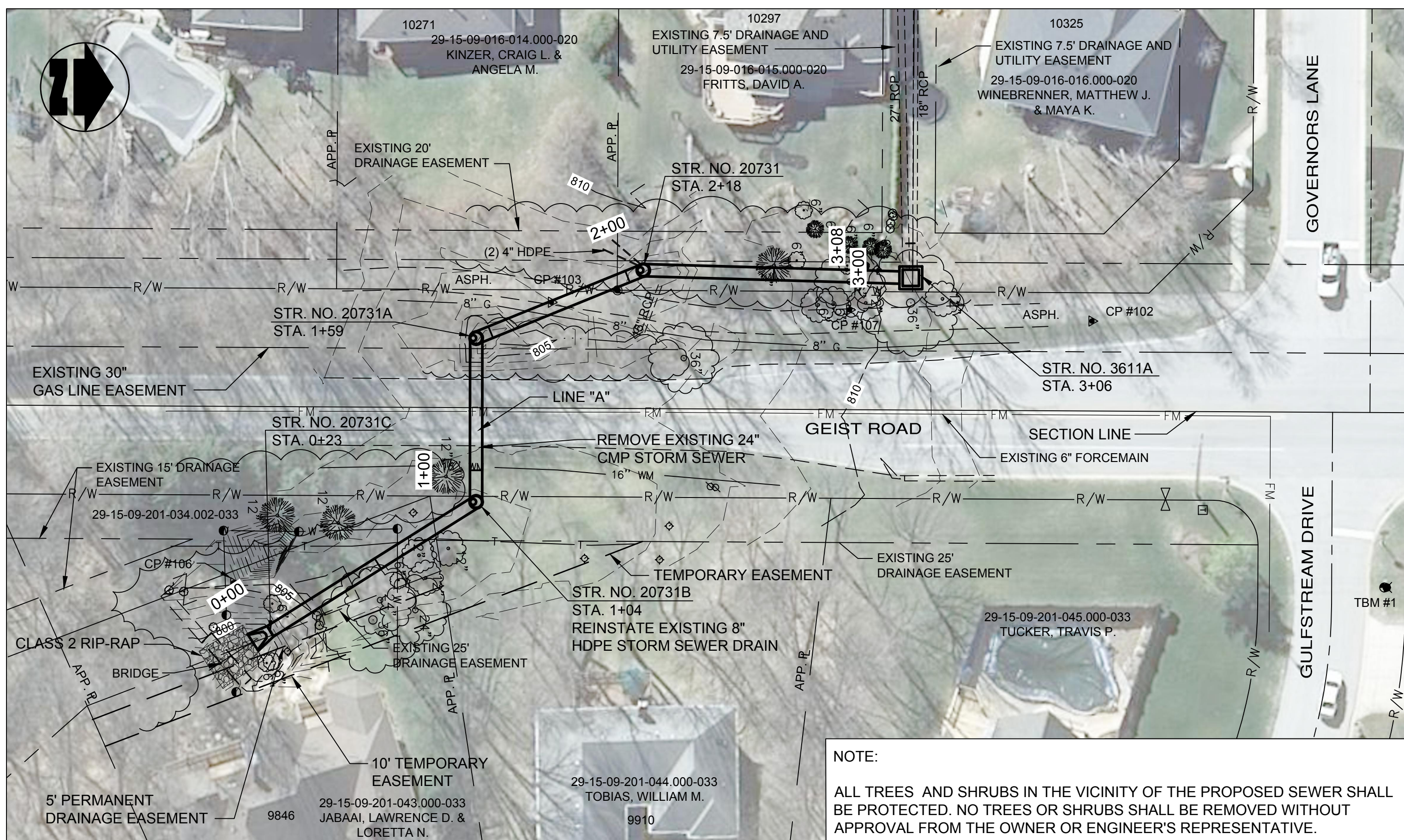


LINE "A" AND LINE "B"  
PLAN AND PROFILE  
WINDERMERE "AREA A" STORMWATER IMPROVEMENTS  
TOWN OF FISHERS, INDIANA

NO.	REVISIONS	DATE	BY	DESIGNED	CMM	DRAWN	GCR	REVIEWED	LAN	APPROVED	JPT
1	INVERTS UPDATE LINE "A" & "B"	9-13	GCR								

SCALE: 1"=30'  
SCALE: 1"=5' VERTICAL

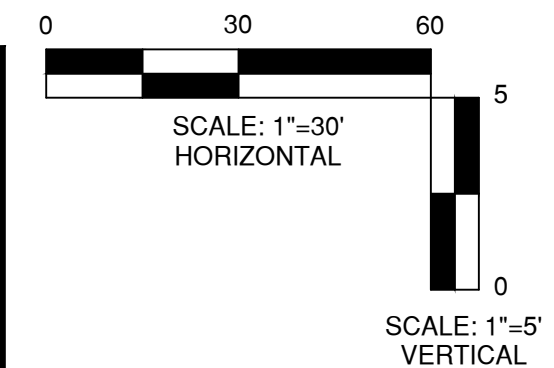
DATE: APRIL 2013  
SHEET NO. C-01



- NOTE:
- PIPE INVERTS SHOWN AT CENTER OF STRUCTURE AND PIPE LENGTHS MEASURED FROM CENTER TO CENTER OF STRUCTURES AND NOT TO THE INSIDE FACE OF STRUCTURE.
  - DURING SITE RESTORATION, CONTRACTOR SHALL GRADE AREAS SURROUNDING INSTALLED SEWER SYSTEM TO DIRECT FLOW TO CATCH BASINS/INLETS TO SATISFACTION OF OWN AND ENGINEER.

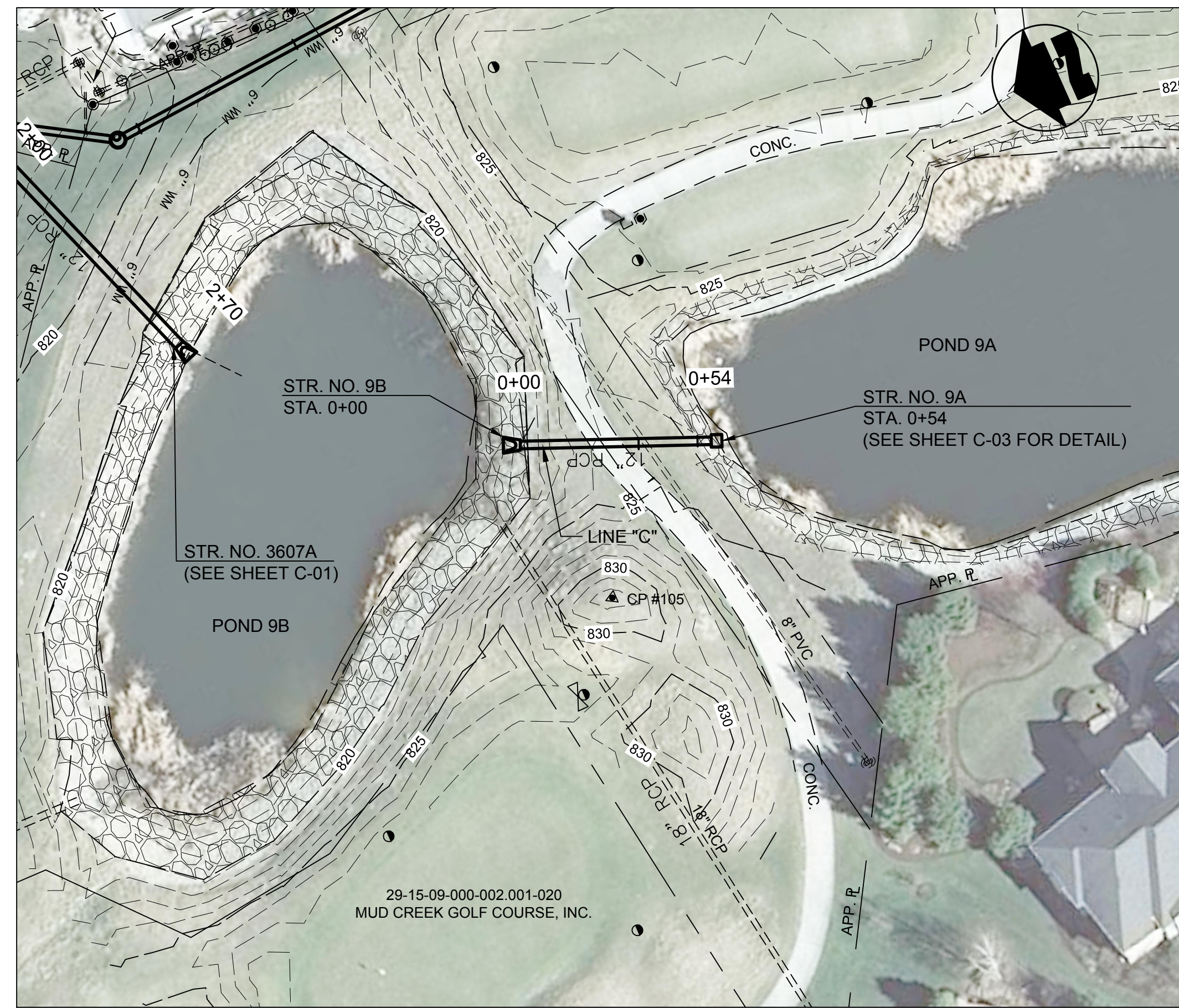
THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR. GRW ENGINEERS, INC. HAS ATTEMPTED TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

ENGINEER/ARCHITECT: Joseph P. Tierney  
CONSTRUCTION COMPANY: Calumet Civil Contractor, Inc.  
DATE: MARCH 21, 2014

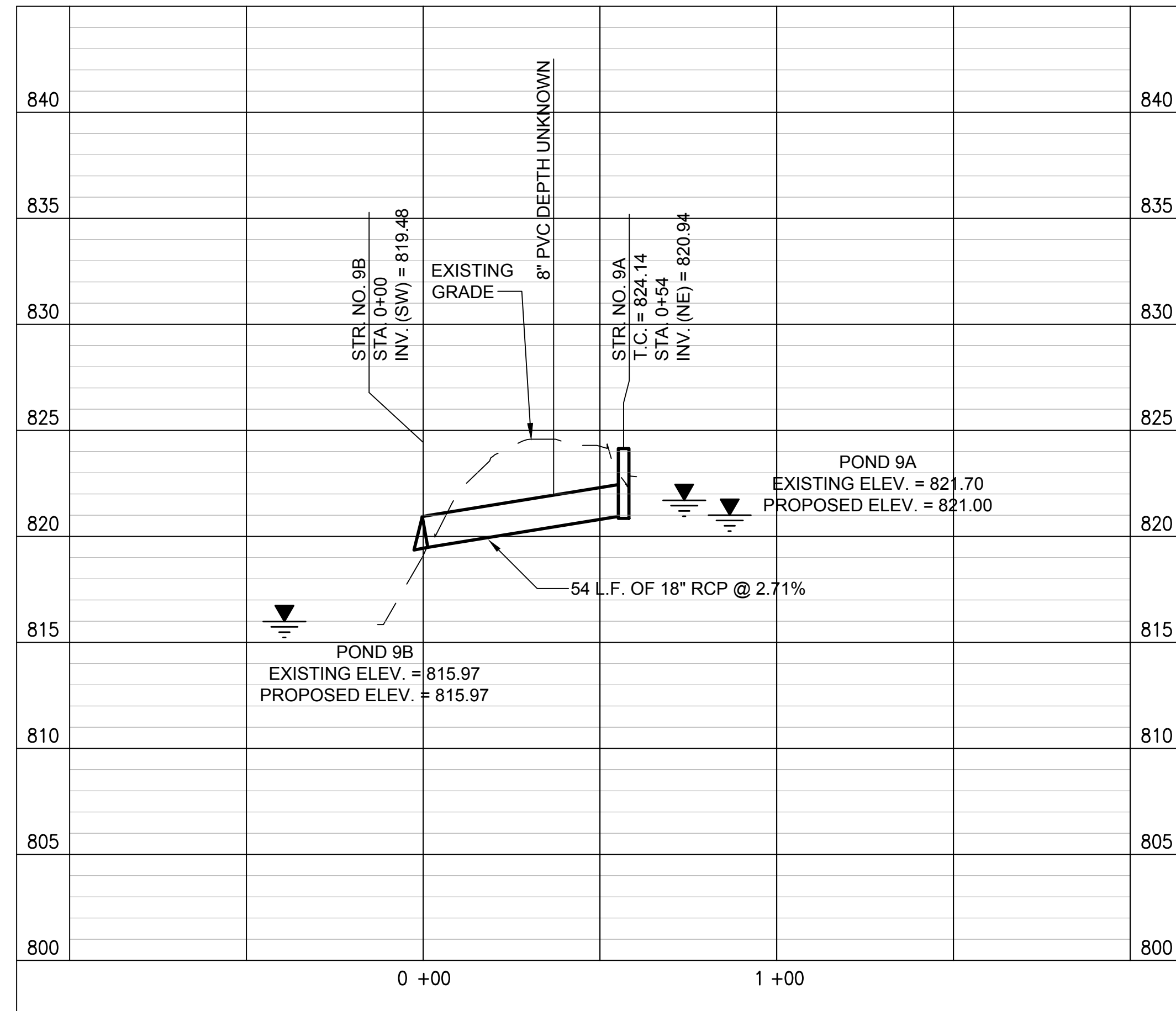


FILE NAME: I:\4039-Windermere\Working Drawings\Civil\3D\Area A Design\4039-C-01.dwg  
PRINTED: 3/27/2014 @ 10:57AM

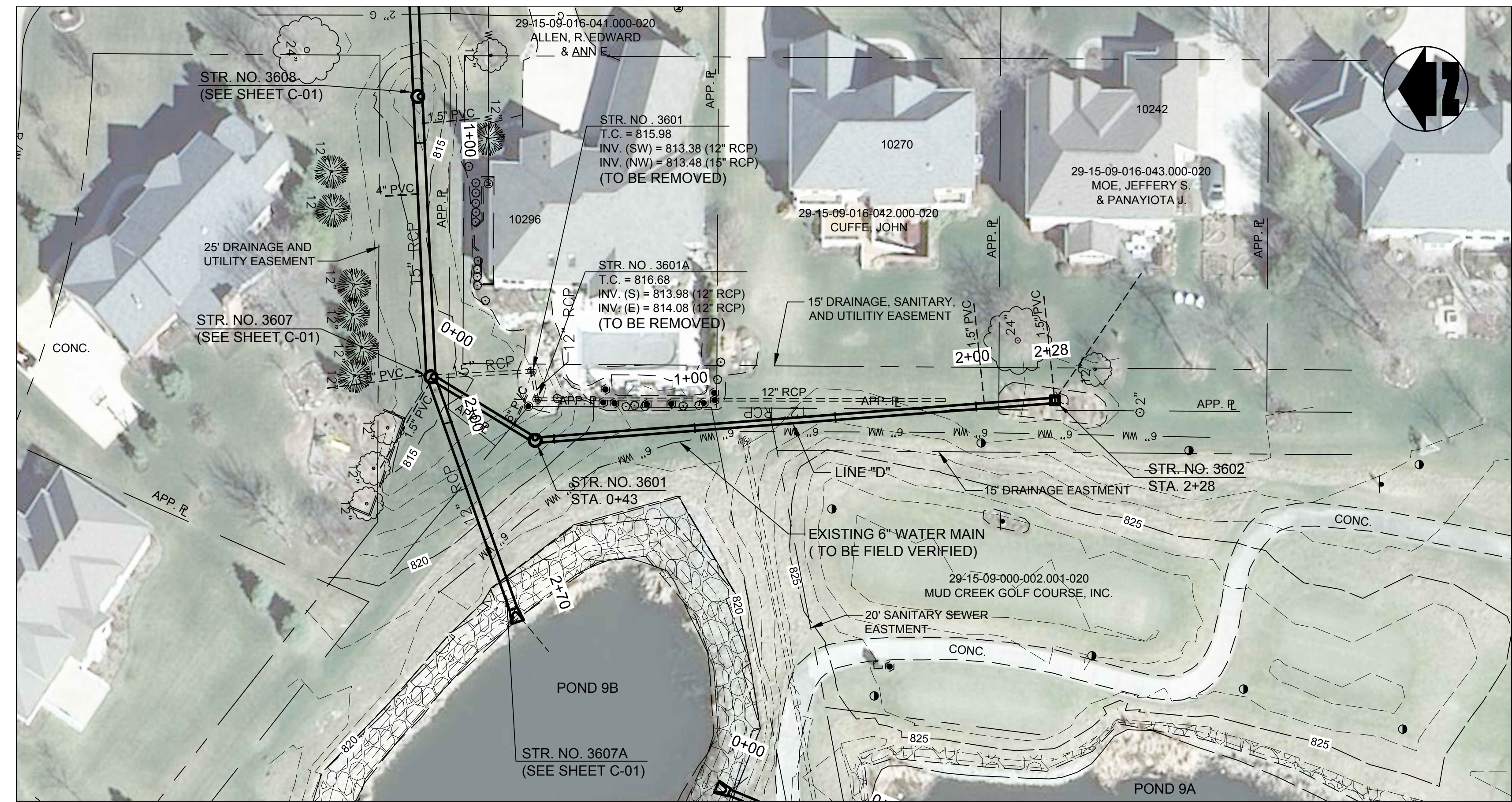




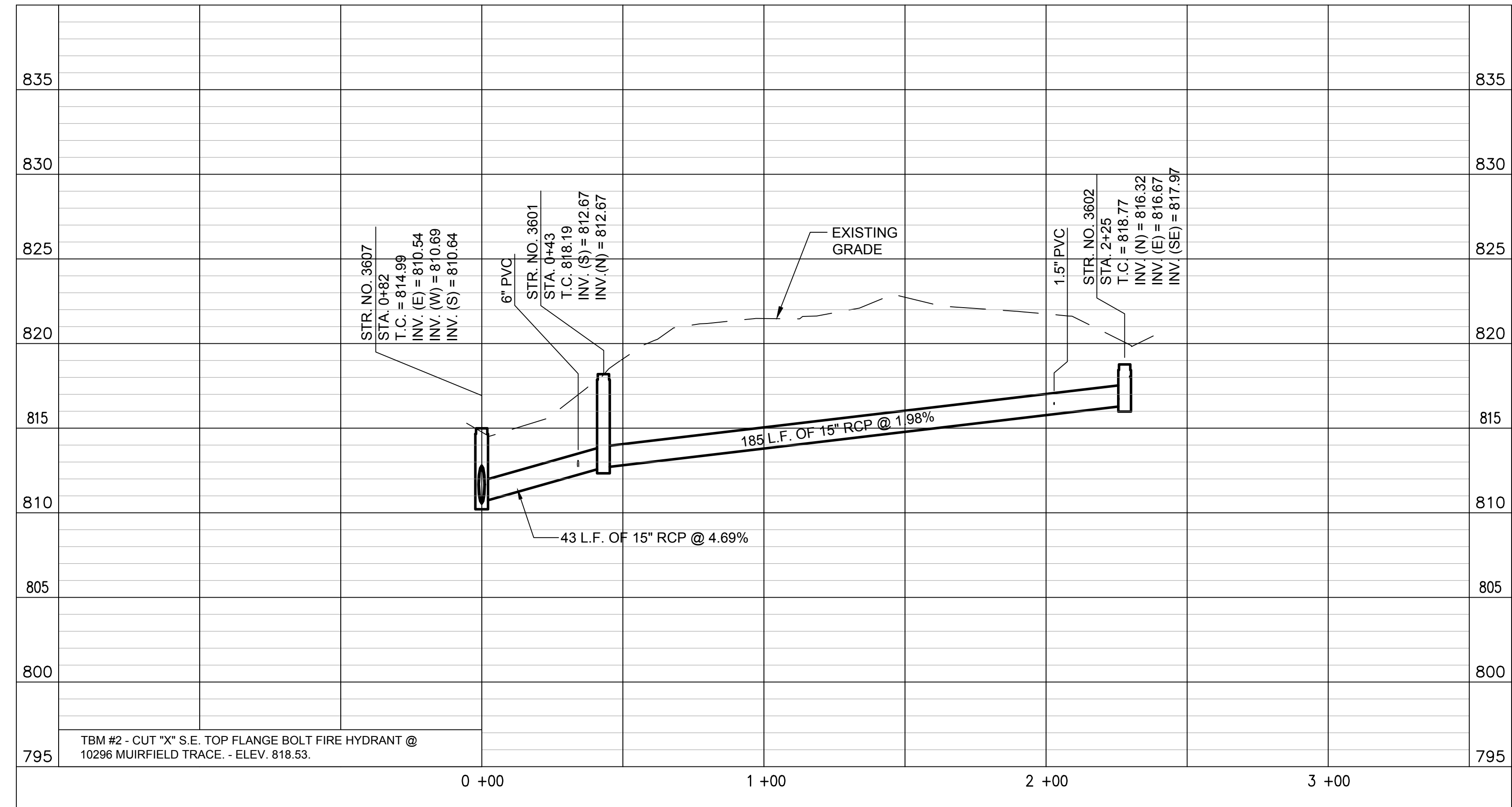
PLAN VIEW - STA. 0+00 TO STA. 0+54 LINE "C"



PROFILE - STA. 0+00 TO STA. 0+54 LINE "C"



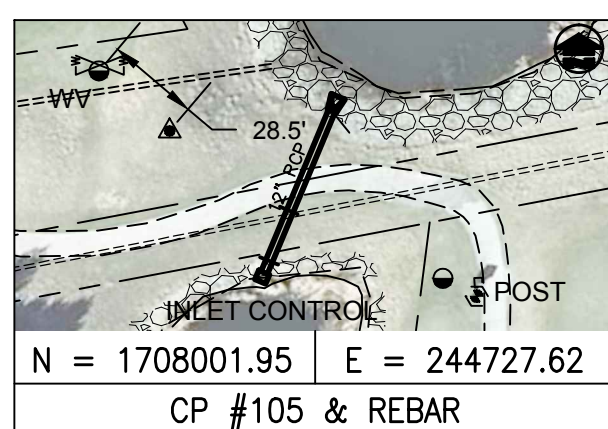
PLAN VIEW - STA. 0+00 TO STA. 2+25 LINE "D"



PROFILE - STA. 0+00 TO STA. 2+25 LINE "D"

NOTE:

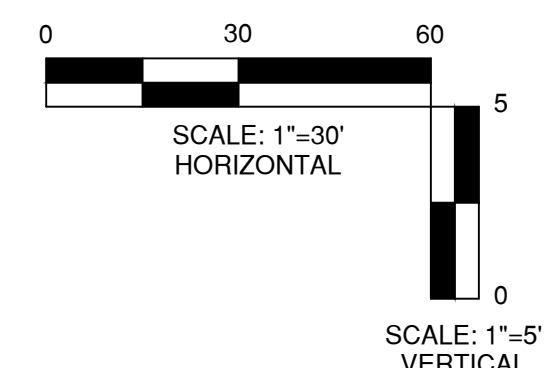
- PIPE INVERTS SHOWN AT CENTER OF STRUCTURE AND PIPE LENGTHS MEASURED FROM CENTER TO CENTER OF STRUCTURES AND NOT TO THE INSIDE FACE OF STRUCTURE.
- DURING SITE RESTORATION, CONTRACTOR SHALL GRADE AREAS SURROUNDING INSTALLED SEWER SYSTEM TO DIRECT FLOW TO CATCH BASINS/INLETS TO SATISFACTION OF OWN AND ENGINEER.



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**GRW**  
ENGINEERS - ARCHITECTS - PLANNERS  
www.grwinc.com

ENGINEER/ARCHITECT: Joseph P. Tierney  
CONSTRUCTION COMPANY: Calumet Civil Contractor, Inc.  
DATE: MARCH 21, 2014



This document, originally issued, sealed, and signed by Joseph P. Tierney, Indiana Professional Engineer, No. 19300407, on April 19, 2013, shall not be used in lieu of a certified document.

GRW PROJECT NO. 4030-04  
CLIENT PROJECT NO. --



LINE "C" AND LINE "D"  
PLAN AND PROFILE  
WINDERMERE "AREA A" STORMWATER IMPROVEMENTS  
TOWN OF FISHERS, INDIANA

DESIGNED	CMM
DRAWN	GCR
REVIEWED	LAN
APPROVED	JPT

NO.	REVISIONS	DATE	BY
1	LINE 'D' ALIGNMENT CHANGE	9-13	GCR

DATE: APRIL 2013  
SCALE: 1"=30'  
SHEET NO. C-02

PRINTED: 3/27/2014 @ 10:58AM  
FILE NAME: I:\4030-Windermere\Working Drawings\Civil\3DArea A Design\4030-C-02.dwg

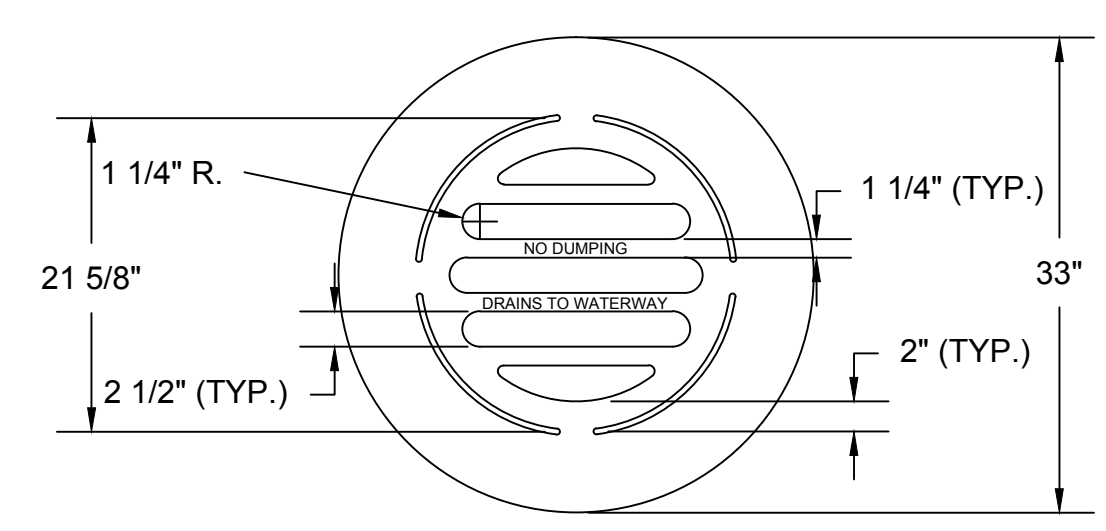
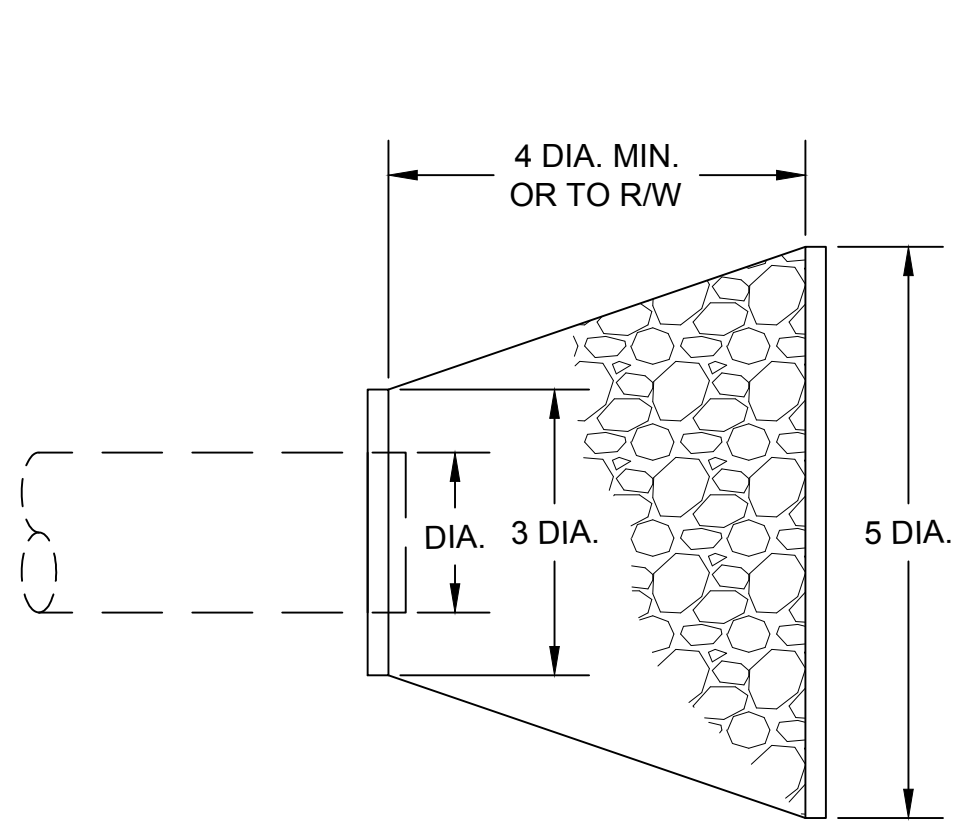


STR. No.	LOCATION		STR. TYPE	PIPE TYPE	PIPE SIZE		SLOPE	TOP OF CASTING	OUTLET PIPE		CONNECT TO STR. No.	CASTING TYPE	REMARKS
	NORTHING	EASTING			IN.	FT.			UP STREAM	DOWN STREAM			
9A	1707957.09	244756.10	INLET CONTROL STRUCTURE	RCP	18	54	2.71	828.14	820.94	819.48	9B		
9B	1708008.16	244777.53	CONCRETE END SECTION	-	-	-	-	-	-	-	9A		
3601	1708076.86	244902.28	MANHOLE TYPE "C"	RCP	15	43	4.69	818.19	812.67	810.64	3607	II	
3601	1708078.00	244926.78	EX. MANHOLE	-	-	-	-	818.9	-	-	3601A		STRUCTURE TO BE REMOVED
3601A	1708076.19	244916.82	EX. MANHOLE	-	-	-	-	816.68	-	-	3602		STRUCTURE TO BE REMOVED
3602	1707892.66	244916.44	INLET TYPE "A"	RCP	15	185	1.98	818.77	816.32	812.67	3601	II	
3607	1708113.81	244924.75	MANHOLE TYPE "L"	RCP	27	100	0.33	814.99	810.54	810.21	3608	I	
3607A	1708084.57	244842.46	CONCRETE END SECTION	RCP	24	87	5.2	-	815.23	810.69	3607		
3608	1708118.44	245024.19	MANHOLE TYPE "J"	RCP	27	84	0.63	813.71	810.21	809.68	3609A	I	CONNECT TO EXISTING STR. 3609A
3609	1708128.60	245108.70	EX. MANHOLE	-	-	-	-	816.12	809.73	807.03	3611		BULKHEAD BETWEEN STR. 3609 AND STR. 3609A
3609A	1708120.85	245106.66	EX. MANHOLE	-	-	-	-	815.94	809.63	807.03	3611		
3611	1708125.54	245267.40	EX. 4'X6' PRECAST BOX	-	-	-	-	811.60	-	-	-		STRUCTURE TO BE REMOVED
3611A	1708126.88	245279.06	6'X6' PRECAST BOX	RCP	36	91	1.83	810.70	805.77	802.61	20731		RE-USE FRAME AND COVER FROM 3611
20731	1708036.14	245276.47	MANHOLE TYPE "J"	RCP	36	61	3.77	806.91	802.61	800.31	20731A	I	
20731A	1707979.57	245299.46	MANHOLE TYPE "K"	RCP	36	82	1.80	805.51	800.31	799.31	20731B	I	
20731B	1707979.54	245354.40	MANHOLE TYPE "J"	RCP	36	82	1.62	804.96	799.31	798.00	20731C	I	
20731C	1707909.91	245398.68	CONCRETE END SECTION	RCP	36	-	-	-	-	-	-		

THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR. GRW ENGINEERS, INC. HAS ATTEMPTED TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

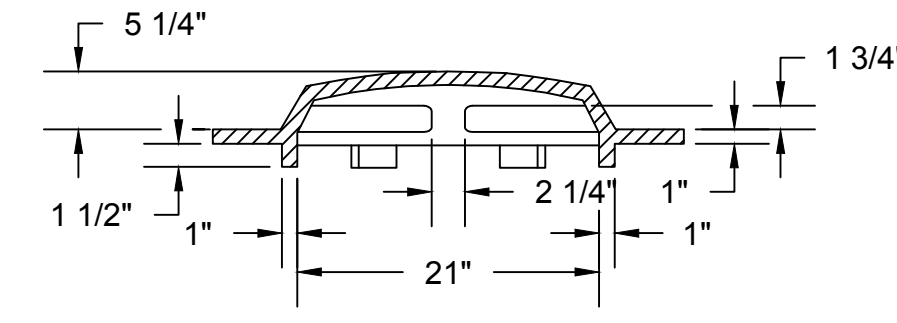
**GRW**  
ENGINEERS - ARCHITECTS - PLANNERS  
www.grwinc.com

ENGINEER/ARCHITECT: Joseph P. Tierney  
CONSTRUCTION COMPANY: Calumet Civil Contractor, Inc.  
DATE: MARCH 21, 2014



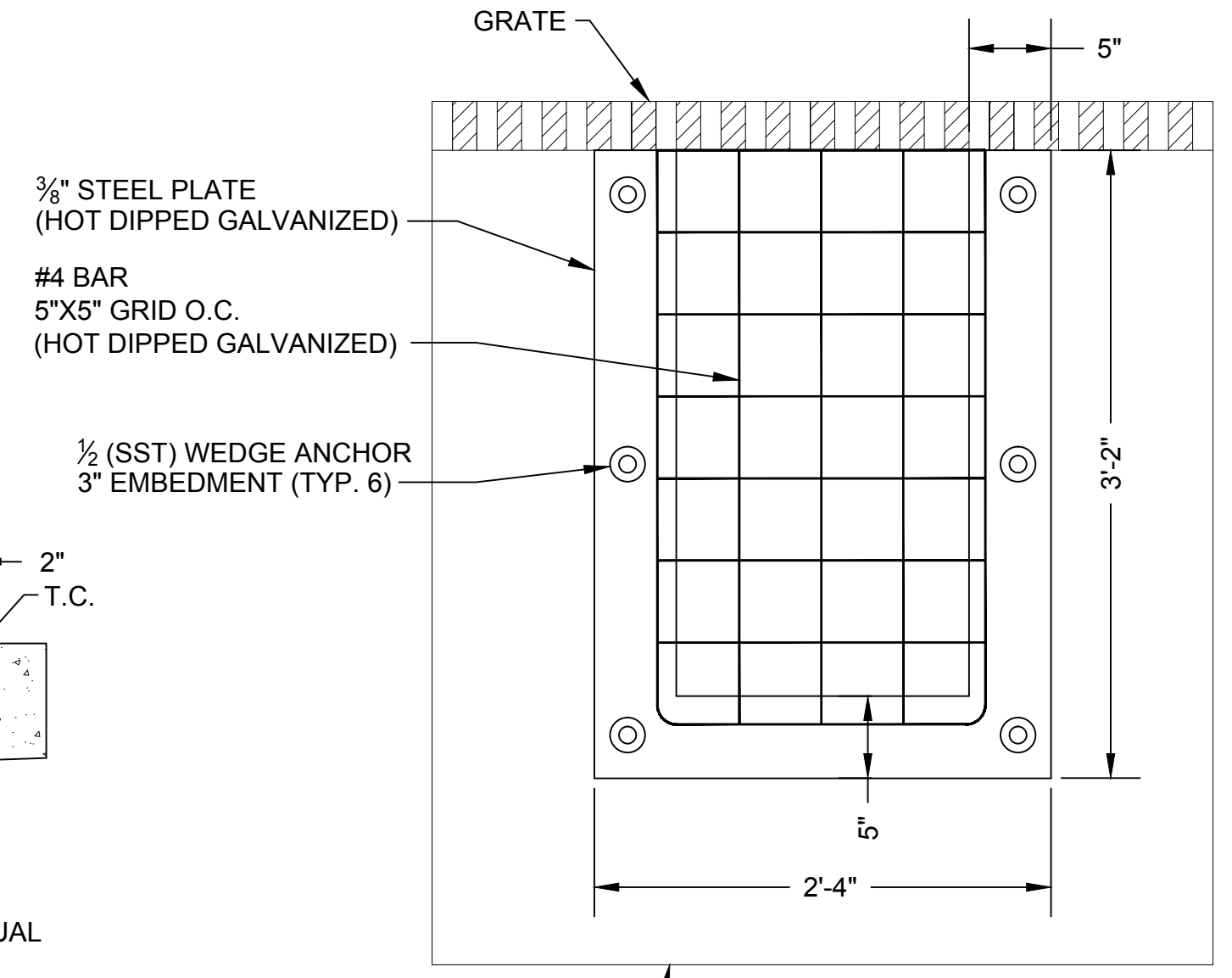
NOTES:  
1. NEENAH R-4342 OR APPROVED EQUAL

**TYPE I CASTING-DETAIL**  
NOT TO SCALE



NOTES:  
1. NEENAH R-4215-C OR APPROVED EQUAL

**TYPE II CASTING-DETAIL**  
NOT TO SCALE

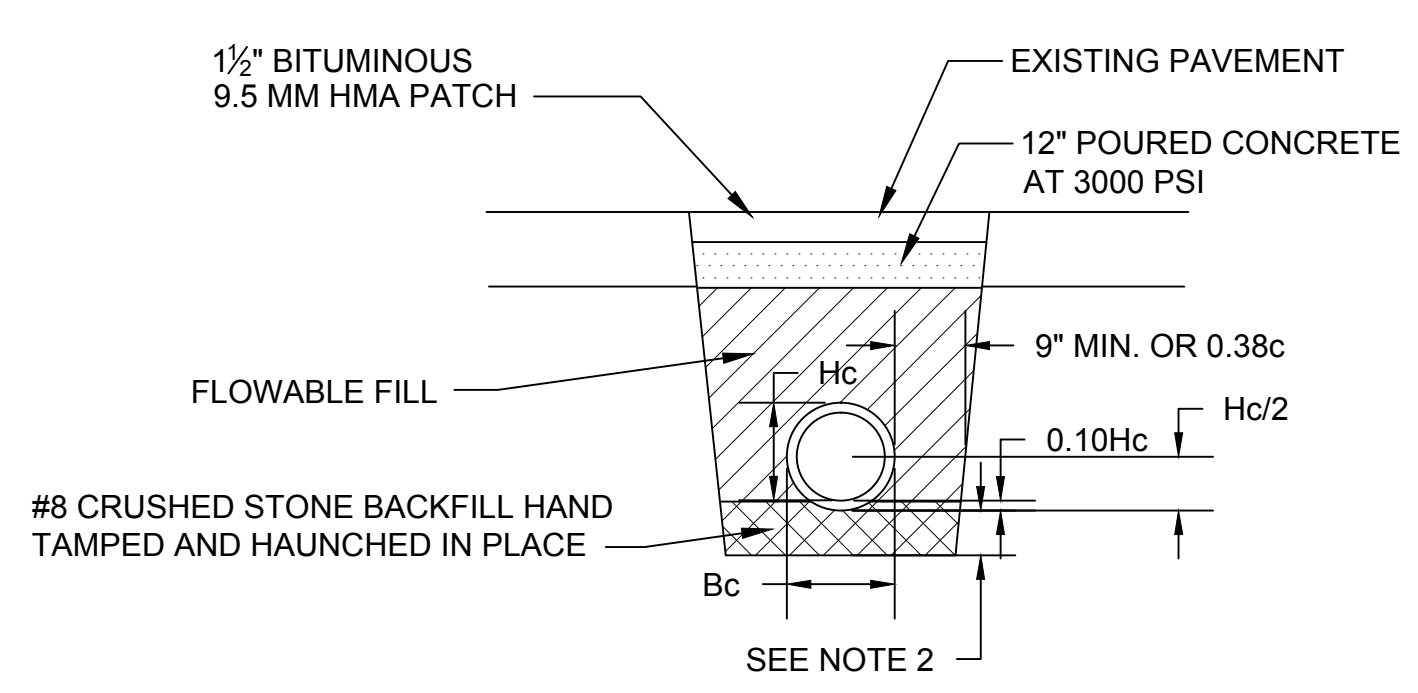


**INLET CONTROL DEBRIS GUARD - DETAIL**  
NOT TO SCALE

**MINIMUM RIPRAP APRON - DETAIL**  
NOT TO SCALE

**OPEN CUT DETAIL NOTES:**

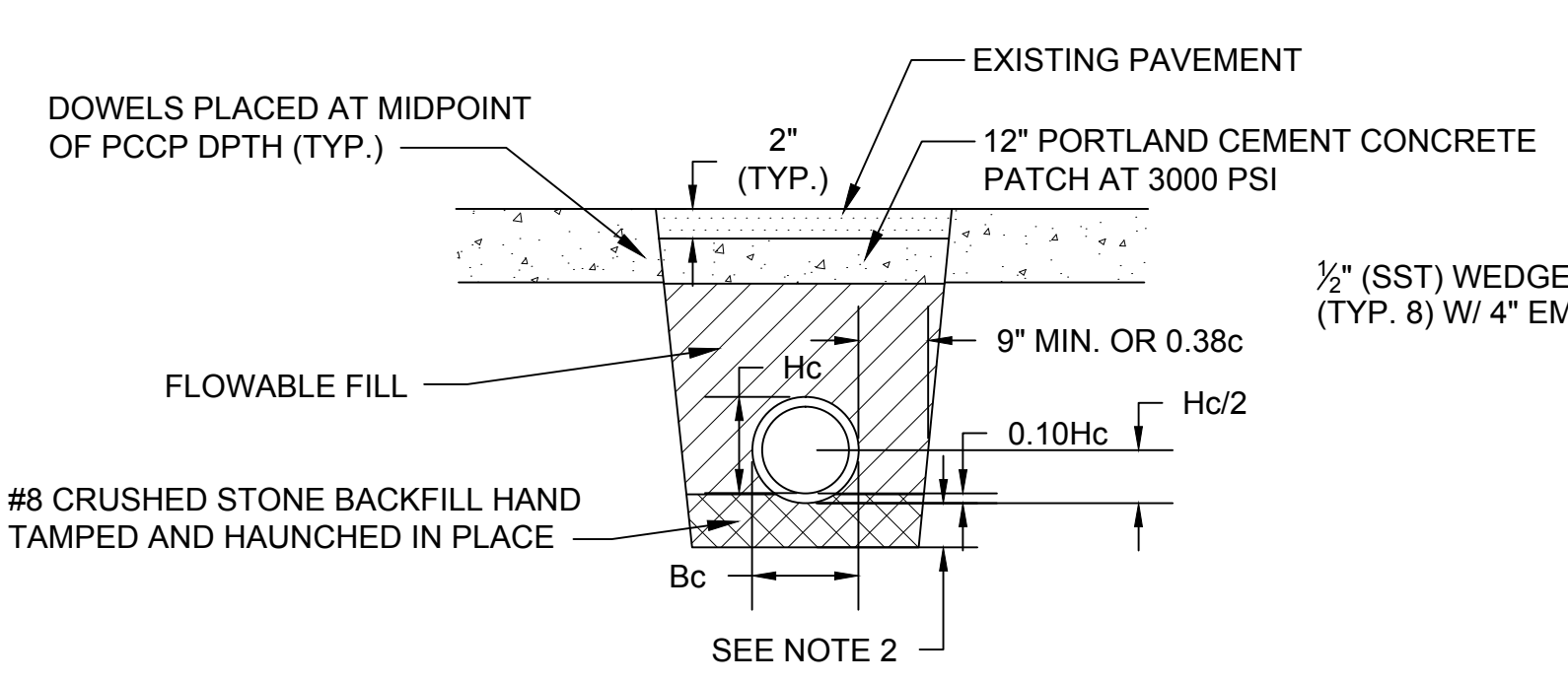
- EXISTING PAVEMENT TO BE SAWCUT TO PROVIDE A CLEAN BREAK.
- EXCAVATED MATERIAL TO BE REMOVED FROM WORK SITE.
- FLOWABLE FILL SHALL BE POURED INTO TRENCH AND SERVE AS BACKFILL ABOVE STRUCTURE BACKFILL REQUIREMENTS.
- ON ASPHALT ROADS 1.5" OF BITUMINOUS SURFACE SHALL BE INSTALLED ON TOP OF THE 12" CONCRETE CAP
- EXISTING PAVEMENT TO BE TACK COATED PRIOR TO PLACEMENT OF NE ASPHALT. TACK COAT SHALL CONFORM TO LATEST INDOT STANDARD SECTION 409 AND 402.



NOTE:  
BORE PIT OR RECIEVEING PIT EXCAVATION MADE IN ROW SHALL BE BACKFILLED WITH FLOWABLE FILL

**STANDARD DETAIL FOR ASPHALT ROAD OPEN CUT REPAIR**  
NOT TO SCALE

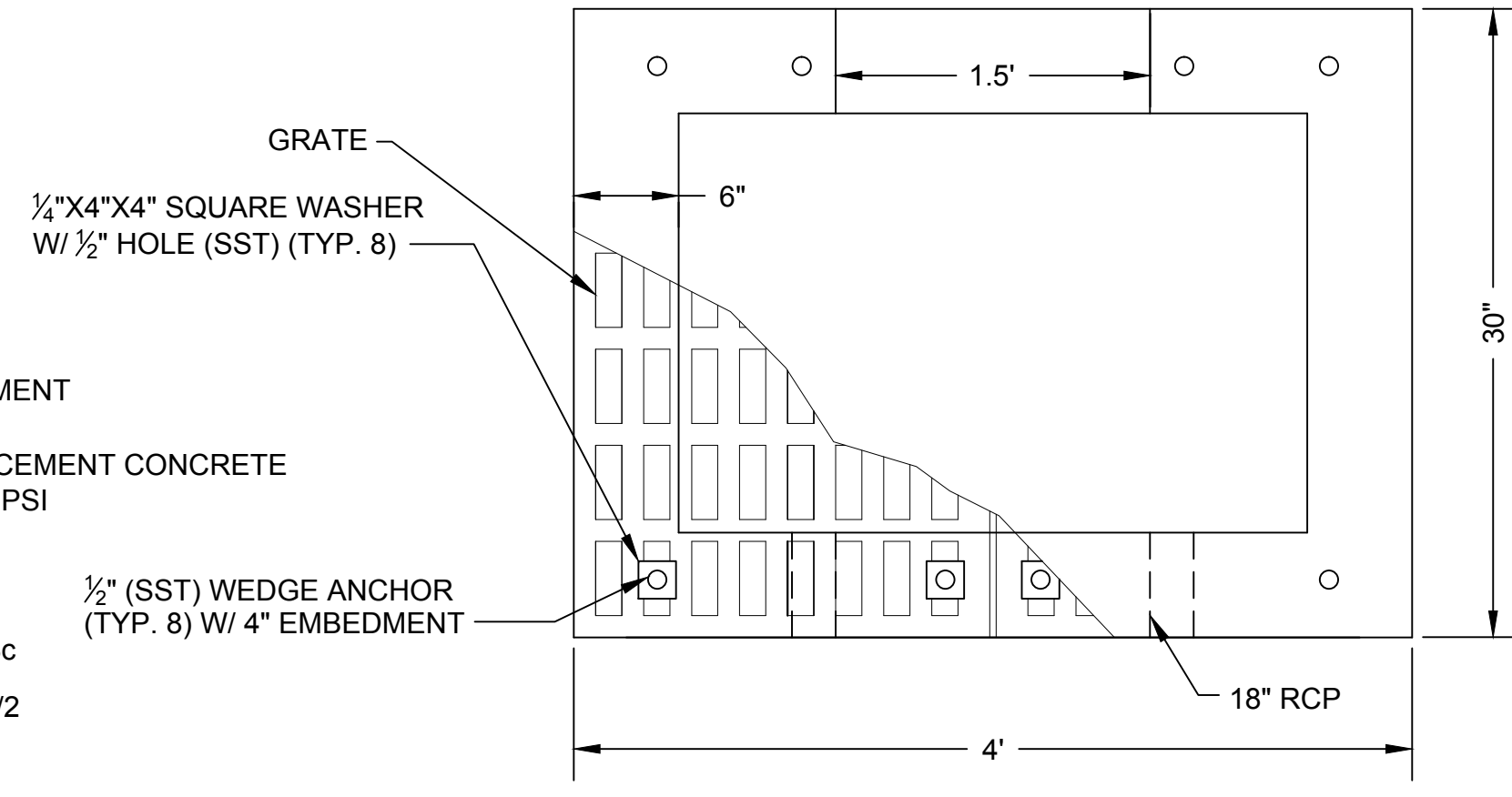
- ASPHALT PATCH SHALL BE PLACED TO MATCH THE GRADE OF EXISTING ASPHALT.
- A TWO (2) INCH BAND OF CRACK SEALANT TO BE APPLIED ALONG JOINT OF NEW/EXISTING ASPHALT. ACCORDANCE TO INDOT SPECS SECTION 305.
- ON ROADWAYS WHERE CONCRETE IS TO BE REMOVED (116TH, ALLISONVILLE, AND ALL OTHER CONCRETE ROADS) NO PARTIAL PANELS SHALL BE REMOVED. ONLY COMPLETE PANELS WILL BE REMOVED AND DONE SO WITH PERMISSION FROM FISHER TOWN COUNCIL.



NOTE:  
BORE PIT OR RECIEVEING PIT EXCAVATION MADE IN ROW SHALL BE BACKFILLED WITH FLOWABLE FILL

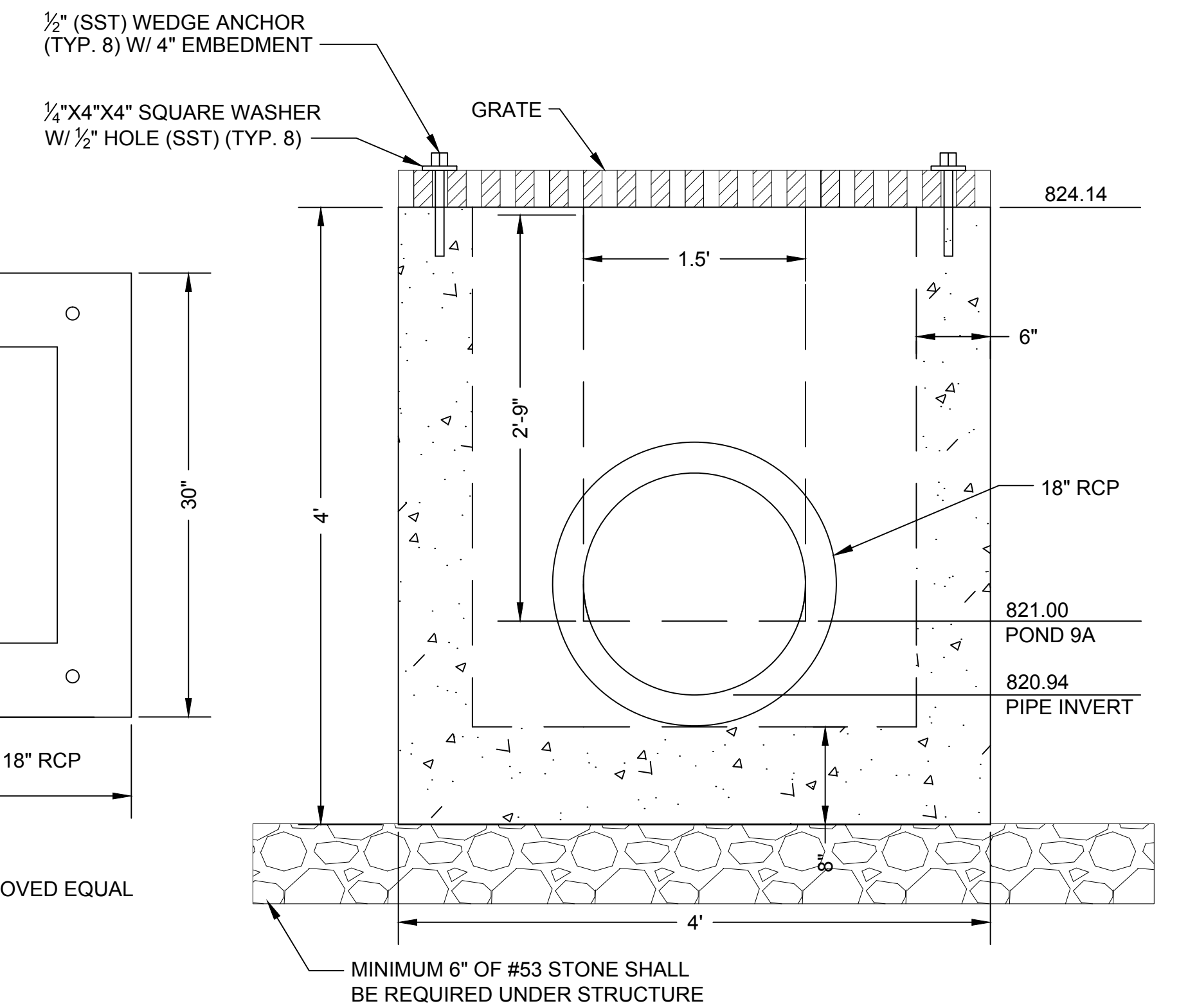
**STANDARD DETAIL FOR CONCRETE ROAD OPEN CUT REPAIR**  
NOT TO SCALE

**PROPOSED CASTING DETAILS**



NOTES:  
1. NEENAH GRATE R-4891 TYPE "A" OR APPROVED EQUAL

**PLAN VIEW**



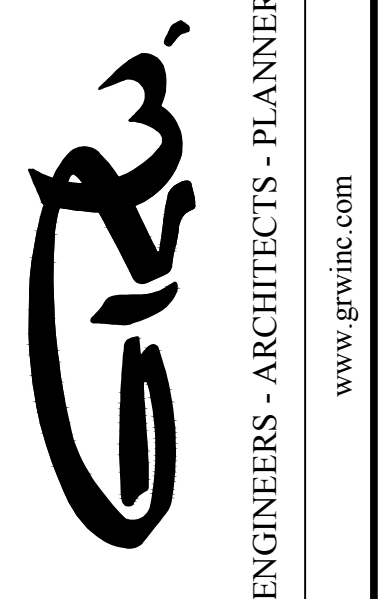
MINIMUM 6" OF #53 STONE SHALL BE REQUIRED UNDER STRUCTURE

**SECTION VIEW**

**INLET CONTROL STRUCTURE - DETAIL**  
NOT TO SCALE

This document, originally issued, sealed, and signed by Joseph P. Tierney, Indiana Professional Engineer, No. 19300407, on April 19, 2013, shall not be used in lieu of a certified document.

GRW PROJECT NO. 4030-04  
CLIENT PROJECT NO. --  
ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GRW ENGINEERS, ARCHITECTS - PLANNERS.



**STANDARD DETAILS**  
**WINDERMERE "AREA A" STORMWATER IMPROVEMENTS**  
**TOWN OF FISHERS, INDIANA**

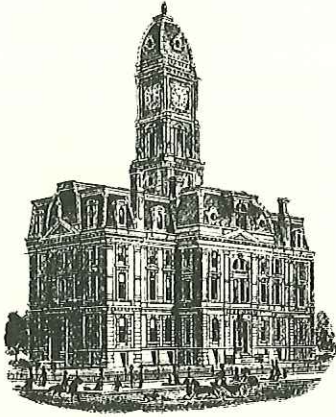
NO.	REVISIONS	DATE	BY	CHK	APP
1	STRUCTURE DATA TABLE REVISED	9-13	GCR		
2	ADDED INLET CONTROL DEBRIS GUARD	9-13	GCR		

DESIGNED: CMM  
DRAWN: GCR  
REVIEWED: LAN  
APPROVED: JPT

SCALE CHECK: THIS MARK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED

DATE: APRIL 2013  
SCALE: N.T.S.  
SHEET NO.

**C-03**



November 3, 2014

*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*  
*Phone (317) 776-8495*  
*Fax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

TO: Hamilton County Drainage Board

**RE: Masthead Drain**  
**Windermere "Area A" Reconstruction**  
**Final Inspection Report**

Please regard this as the Inspector's Final Report on the Masthead Drain, Windermere "Area A" Reconstruction, located in Section 9, Township 17 North, Range 4 East in Fall Creek Township, Hamilton County, Indiana. This was a drainage reconstruction project completed by the Town of Fishers.

The Drainage Board on August 13, 2012 approved paying \$34,898.00 for upsizing of the Masthead Drain with the Windermere Area A reconstruction by the Town of Fishers. The \$34,898.00 amount was based on a preliminary Engineer's estimate from the Towns engineer, GRW, for the upsizing of One Hundred Ten (110') feet of existing Masthead regulated drain. (HCDB Minute Book 14, Page 233)

At the June 24, 2013 meeting of the Hamilton County Drainage Board the hearing for the Masthead Drain, Windermere "Area A" Reconstruction was held, the Surveyor's Report dated April 16, 2013 was approved and the Finding and Order signed. As part of the hearing the Town of Fishers requested the regulated drain be extended between structure 20731A (Structure 506) Station 1+41 on the west side of Geist Road to structure 3611A (Station 2+89) The request to extend the drain by the Town added an additional 148 feet of 36" RCP pipe to the Masthead regulated drain system. (HCDB Minute Book 15, Pages 48-50).

The engineer's estimate for the entire project was \$226,500.00. The bid for the reconstruction was awarded on September 3, 2013 to Calumet Civil Contractors by the Town of Fishers for the amount of \$156,000.00.

The County Surveyor's Office on September 3, 2014 received a new invoice from the Town of Fishers in the amount of \$47,890.21. The new invoice had an additional \$12,992.21 for the



upsizing and extension approved by the Board at hearing of the Masthead Drain for the Windermere Area "A" Reconstruction.

The total construction cost for the Masthead Drain, Area A Reconstruction was \$156,910.86. The Town of Fishers portion was \$109,019.95 (69%) and the County's portion was \$47,890.91 (31%).

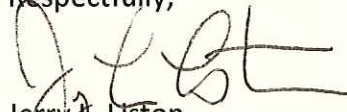
The Board's at its meeting on October 13, 2014 voted to pay the extra \$12,992.21. (HCDB Minute Book 15, Pages as yet to be assigned)

A claim in the amount of \$47,890.91 will be submitted to the Hamilton County Auditor on October 24, 2014 for payment of the County's portion of the project. The check will be mailed to the Town of Fishers on November 12, 2014.

As of the date of this report, I hereby attest to and agree that the reconstruction was completed according to the specified plans and have approved such work under IC-36-9-27-82(a). All inspections have been completed and red line drawings were completed and submitted by the Town of Fishers Engineer, GRW.

I recommend the Board approve the drain's construction as complete and acceptable.

Respectfully,



Jerry L. Liston  
New Construction Inspector  
Hamilton County Surveyor's Office





Town of Fishers		Hamilton County	
Item Description	Cost	Item Description	Cost
Storm Sewer, RCP, 36"	\$13,671.00	Storm Sewer, RCP, 36"	\$13,299.00
Storm Sewer, RCP, 15"	\$9,503.00		
Storm Sewer, RCP, 18"	\$3,500.00	End Section, Concrete, 36"	\$1,095.34
Storm Sewer, RCP, 24"	\$4,400.00	Manhole, Type K	\$4,000.00
Storm Sewer, RCP, 27"	\$15,000.00	Manhole, Type J	\$6,000.00
6X6 precast Box Structure	\$8,000.00	6' x 6' Precast Box Structure	
End Section, Concrete, 24"	\$731.68		
End Section, Concrete, 18"	\$669.35	Asphalt Road Replacement	\$1,080.00
Asphalt Trail Replacement	\$2,480.00	Asphalt Trail Replacement	
End Section, Structure 9A	\$2,000.00		
Manhole, Type J	\$3,000.00	Rip Rap	\$396.60
Manhole, Type L	\$5,000.00	Site Restoration (min. 1%)	\$5,000.00
Inlet, Type A	\$0.00	Mobilization/Demobilization (min. 2%)	\$2,947.60
Asphalt Road Replacement	\$1,800.00	Maintenance of Traffic (min. 1.5%)-Geist Road	\$7,668.47
Concrete Sidewalk Replacement	\$0.00		
Concrete Curb Replacement	\$550.00		
Concrete Drive Replacement	\$0.00		
Concrete Golf Cart Path Replacement	\$1,100.00		
Rip Rap	\$396.60		
Jabaai Landscaping	\$10,000.00		
Preconstruction DVD	\$500.00		
Site Restoration (min. 2%)	\$10,000.00		
Mobilization/Demobilization (min. 3%)	\$4,421.40		
Maintenance of Traffic (min. 0.5%)-Muirfield Trace	\$2,556.16	Note: Percentages for last three items are percentages based on total project cost	
Subtotal:	\$99,279.19	Subtotal:	\$41,487.01
<b>CHANGE ORDER ITEMS</b>		<b>CHANGE ORDER ITEMS</b>	
MH Type "C" - STR # 3601	\$2,724.23	Additional Depth Charge for 36" RCP	\$4,903.90
Pot-Holing for 6" FM Delay	\$4,500.00	Pot-Holing for 6" F.M. & Delay	
30" x 30" Inlet - STR # 3602	\$2,122.91		
Inlet Trash Guard - STR # 9A	\$1,069.62	Additional Flow Fill	\$1,500.00
Possible Re-Mobilization - STR # 9A (If Needed)	\$0.00		
Core for 12" RCP @ Mr. Allen's to 96" MH	\$500.00		
Mill, Pave, & Stripe Geist Rd.	\$7,500.00		
Cold Patch	\$750.00		
Rounded Rip Rap @ Jabaai Propoerty	\$4,245.00		
Subtotal:	\$23,411.76	Subtotal:	\$6,403.90
<b>TOTAL CONSTRUCTION COST:</b>	<b>\$122,690.95</b>	<b>TOTAL CONSTRUCTION COST:</b>	<b>\$47,890.91</b>
<b>TOTAL CONSTRUCTION COST (Town and County):</b>			
\$170,581.86			
Town's Portion:	72%	County's Portion:	28%