Drain: W. R. Fertig Drain

Improvement-Arm: Old Meridian Road Improvements

Date Approved: June 9, 2008

Drain Input Checklist

- Create Regulated Drain Record in Posse _____

  - Drain Type ☐
  - Outlet (Tab) ☐
  - Outlet Attached ☐
  - Location ☐
  - Twp ☐
  - Certification ☐
  - Drain Number ☐

- Enter Improvement Arm in Posse _____
  (Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)

- Scan Documents _____

  - Surveyor's Report ☐
  - Engineer's Estimate ☐
  - Notices ☐
  - Findings and Order ☐
  - Petition ☐

- Create Posse Inspection Job _____
- Enter into Watershed Summary Spreadsheet _____
- Check for Vacation of Drain & Map Changes _____
- Check Drainage Easement Classification _____
- Sum drain length & Validate in GIS _____
- Enter New Watershed Length into Posse _____
- Create Boundary of Improvement in GIS _____

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SURVEYOR'S OFFICE

Hamilton County

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

June 5, 2008

Re: W.R. Fertig Drain Reconstruction, Old Meridian Road Improvements

Attached are petition, plans, and other information for the Old Meridian Road Improvement project. The reconstruction was submitted by the City of Carmel. An inspection of the drainage facilities for this project has been made and the facilities were found to be complete and acceptable.

This report will serve as an initial and final report for this reconstruction. This road project began just south of the 126th St. and Old Meridian intersection. During this reconstruction the W.R. Fertig regulated drain was affected. The changes are as follows:

W.R. Fertig Drain

Meijer Extension: The plans for these improvements were prepared by Butler, Fairman & Seufert Consulting Engineers, Job No. 3743-07 dated file stamped March 26, 2004 of the original plan prepared by United Surveying Inc. dated June 21, 1994. The project removed the existing drain from Structures 11.4A to 11.1. This resulted in 503 feet of 60" x 38" ERCP being removed as shown on Sheet 28 of the above referenced plans. The road improvement project added drain between the headway at Sta. 12 + 695 and between Structures 27, 30, 32, 36, 39 and existing Structure 40 which is the same location as existing Structure 11.1. Structure 26 was installed under Old Meridian to replace an existing culvert. Thus the project added 595 of 48" RCP. Therefore, the project added 92 feet to the drain's overall length.

Upon approval of the reconstruction I recommend the Board approve the drain's construction as complete and acceptable.

The work was completed within the right of way owned by the City of Carmel and paid for by the City. Therefore, the project falls under the requirements as set out in IC 36-9-27-52.5. I recommend the Board approve the project at this time.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

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= EXISTING REGRADED

= PROPOSED TO BE REGRADED

= R/W

ALL R/W ON THIS SHEET TO BE AS SHOWN. ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS NOTED.

12+700 — 12+800

20.5m Sodding Req'd.

STRUCTURE No. 26
29m(95.1') of 1.2m (48") RCP Req'd

STRUCTURE No. 23
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

Temp. R/W for Ret. Wall Const.

Constr. Limits

Modular Block Wall #1

STRUCTURE No. 30
Manhole Type K-4 & 35m(114.8') of 1200mm (48") Pipe Req'd

STRUCTURE No. 27
Manhole Type K-4 & 27m(88.6') of 1200mm (48") Pipe Req'd

STRUCTURE No. 29
Inlet Type C-15 & 0.8m(2.6') of 375mm (15") Pipe Req'd

STRUCTURE No. 32
Manhole Type K-4 & 15m(49.2') of 1200mm (48") Pipe Req'd

STRUCTURE No. 31
Inlet Type C-15 & 0.6m(2') of 375mm (15") Pipe Req'd

App. Ex. R/W

App. Ex. R/W(15.240)

3.3m Cl. I Dr. Req'd

JOYCE PATRICIA CORNWELL SPANNAN
SEC. 35, T. 18N., R. 3E.
CLAY TOWNSHIP
HAMILTON COUNTY

Temp. R/W for Drive Construction

15m Sidewalk Taper Lt.

STRUCTURE No. 36
Manhole Type K-4 & 30m(98.4') of 1200mm (48") Pipe Req'd

STRUCTURE No. 35
Inlet Type C-15 & 1.8m(5.9') of 375mm (15") Pipe Req'd (Wooded)

Temp. R/W for Lawn Grading

Mailbox Assembly

STRUCTURE No. 39
Manhole Type K-4 & 40m(131.2') of 1200mm (48") Pipe Req'd

STRUCTURE No. 38
Inlet Type C-15 & 1.8m(5.9') of 375mm (15") Pipe Req'd

MEIJER, INC.

STRUCTURE No. 40
Manhole Type K-4 & 5.4m(17.7') of 1200mm (48") Pipe Req'd

App. Ex. R/W(+31.002)

Fertig Reg. Drain

Remove 300mm RCP

WEST CARMEL DR. (Bit. Mat.)

P.O.T. STA. 12+861.202 "A"

STRUCTURE No. 43
Manhole Type C-4 & 34.6m(113.5') of 375mm (15") Pipe Req'd

STRUCTURE No. 42
Inlet Type C-15 & 1.8m(5.9') of 375mm (15") Pipe Req'd

MEIJER, INC.

(Wooded)

OLD MERIDIAN ST. (Bit. Mat.)

N33°45'37"E LINE "A" (Survey Line)

Approx. Loc From Record Plans

Fertig Reg. Drain

Remove

950x1500 RCBC

30m Taper Rt.

29m Sdwk. Taper Rt.

Modular Block Wall #2

Temp. R/W for Ret. Wall Const.

20' Sewage, Drainage, & Util. Esmt.

Regulated Drainage Esmt.

STRUCTURE No. 24
Inlet Type C-15 & 0.6m(2') of 375mm (15") Pipe Req'd

STRUCTURE No. 25
Manhole Type C-4 & 3.0m(9.8') of 600mm (24") Pipe Req'd

LOT 2
RELISTAR LIFE INSURANCE CO.

90Mg Cl. I Riprap & 105m² Geotextile

STRUCTURE No. 28
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

20' Sewage, Drainage, & Util. Esmt.

CARMEL SCIENCE & TECH PARK
6.2m Mod. Cl. III Dr. Req'd

STRUCTURE No. 33
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

LOT 1
MERIDIAN INVESTMENTS INC.
30' Shared Access Esmt.

Under Construction

Temp. R/W for Drive Construction

Comm. Bldg.

SEC. 35, T. 18N., R. 3E.
CLAY TOWNSHIP
HAMILTON COUNTY

STRUCTURE No. 34
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

25' Sewage, Drainage, & Util. Esmt.

Temp. R/W for Lawn Grading

STRUCTURE No. 37
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

STRUCTURE No. 41
Inlet Type B-15 & 19.8m(64.9') of 300mm (12") Pipe Req'd

PROVIDENCE COMMERCIAL PARTNERS, LLC
SEC. 26, T. 18N., R. 3E.
CLAY TOWNSHIP
HAMILTON COUNTY

EQN:
P.O.T. STA. 12+845.778 "A"
P.O.T. STA. 5+000.000 "PR-3"

BM#3 El. 258.848m Chisled "X" in Conc. Curb Approx. 76.2m East of Old Meridian St. on Carmel Dr. (Northside) Sta. 12+853.122 "A", 76.836m Rt.

LEGEND

- (13) CONCRETE CURB
- (15) CONCRETE CURB & GUTTER
- (22) CONCRETE CENTER CURB TYPE D
- (26) NURSERY SODDING
- (27) SEED MIXTURE, TYPE 'U'
- (C) P.C.C.P. FOR DRIVES, 150mm
- (D) HMA FOR APPROACHES: SEE. APPR. TABLE
- (E) HMA SIDEWALK: SEE TYPICALS
- (F) SIDEWALK, CONCRETE, 100mm
- (K) HMA PAVEMENT: SEE TYPICALS
- (K1) STAMPED HMA PAVEMENT, TRUCK APRON
- (N) COMP. AGG. FOR SURF., TYPE 'O', SIZE 73
- CONC. CURB RAMP – TYPE AS INDICATED

PVI Sta. = 12+730
PVI Elev. = 260.030
V.C. = 50m

PVI Sta. = 12+850
PVI Elev. = 260.500
V.C. = 50m

Upstr. 258.139 (846.63)
Dwstr. 257.922 (845.38)

0.790%

Profile Grade

Existing Grade

El. 258.837(848.98)
El. 258.097(846.55)
El. 258.072(846.48)
See Prev. Sht.

El. 258.063(846.50)

El. 258.180(846.93)

El. 258.306(847.24)

El. 258.360(847.42)

0.470%

El. 258.468(847.77)

El. 258.611(848.244)

El. 258.629(848.30)

El. 258.819(848.93)

El. 259.011(849.56)

0.207%

3m (9.8') of 600mm (24") Pipe @ 0.75% Req'd.

35m (114.8') of 1200mm (48") Pipe @ 0.36% Req'd.

27m (88.6') of 1200mm (48") Pipe @ 0.36%

15m (49.2') of 1200mm (48") Pipe @ 0.36% Req'd.

30m (98.4') of 1200mm (48") Pipe @ 0.36% Req'd.

40m (131.2') of 1200mm (48") Pipe @ 0.36% Req'd.

34.6m (113.5') of 375mm (15") Pipe @ 0.55% Req'd.

35m (114.8') of 375mm (15") Pipe @ 0.55% Req'd.

See Next Sht.

12+675 12+700 12+725 12+750 12+775 12+800 12+825 12+850 12+875 12+900

TSS NE Cor. Conc. Base
TSS NE Cor. Conc. Base
Line "A"
P.O.T. Sta. 12+861.204 "A"
PKN (Fnd.)

BF&S
Butler Fairman Seufert
CONSULTING ENGINEERS
INDIANAPOLIS, IN. 46240
317 713-4615
FAX 317 713-4616
509 WEST 84TH DRIVE, SUITE G
MERRILLVILLE, IN. 46410
219 769-2333
FAX 219 769-2377

RECOMMENDED FOR APPROVAL: _____ DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: BZ CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

OLD MERIDIAN STREET
LINE "A"

HORIZONTAL SCALE	FILE
1:300	3743
VERTICAL SCALE	DESIGNATION
1:100	9980500
SURVEY BOOK	SHEET
290	28 OF
CONTRACT	PROJECT
	STP-IN50(001),IN48(032)

BFS NO. 3743.07

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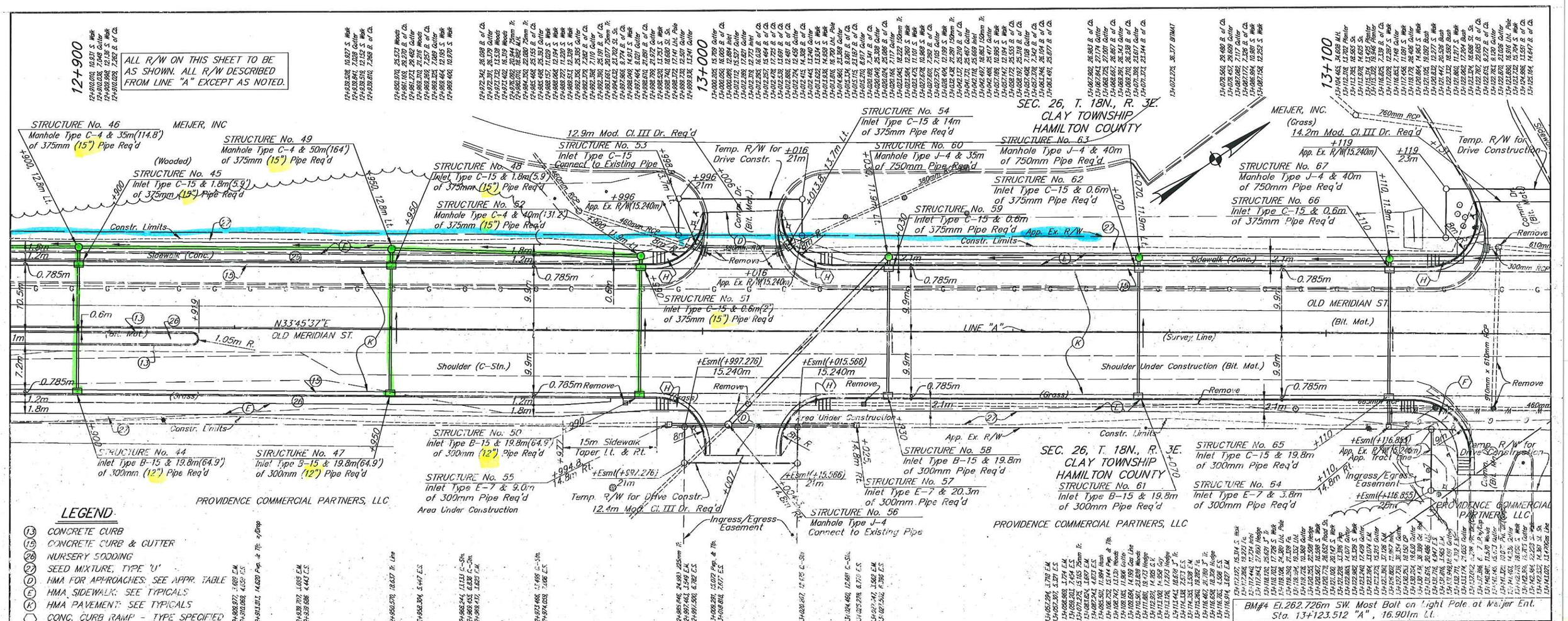

PROPOSED TO BE REGULATED

R/W

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BF&S Butler Fairman Seufert CONSULTING ENGINEERS
INDIANAPOLIS OFFICE: 509 WEST 84TH DRIVE, SUITE G, MERRILLVILLE, IN. 46410, 219 769-2333, FAX 219 769-2377
INDIANAPOLIS, IN. 46240, 317 713-4615, FAX 317 713-4616

RECOMMENDED FOR APPROVAL: _____ DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: BZ CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

OLD MERIDIAN STREET
LINE "A"

HORIZONTAL SCALE	FILE
1:300	3743
VERTICAL SCALE	DESIGNATION
1:100	9980500
SURVEY BOOK	SHEET
290	29 OF
CONTRACT	PROJECT
	STP-IN50(001),IN48(032)

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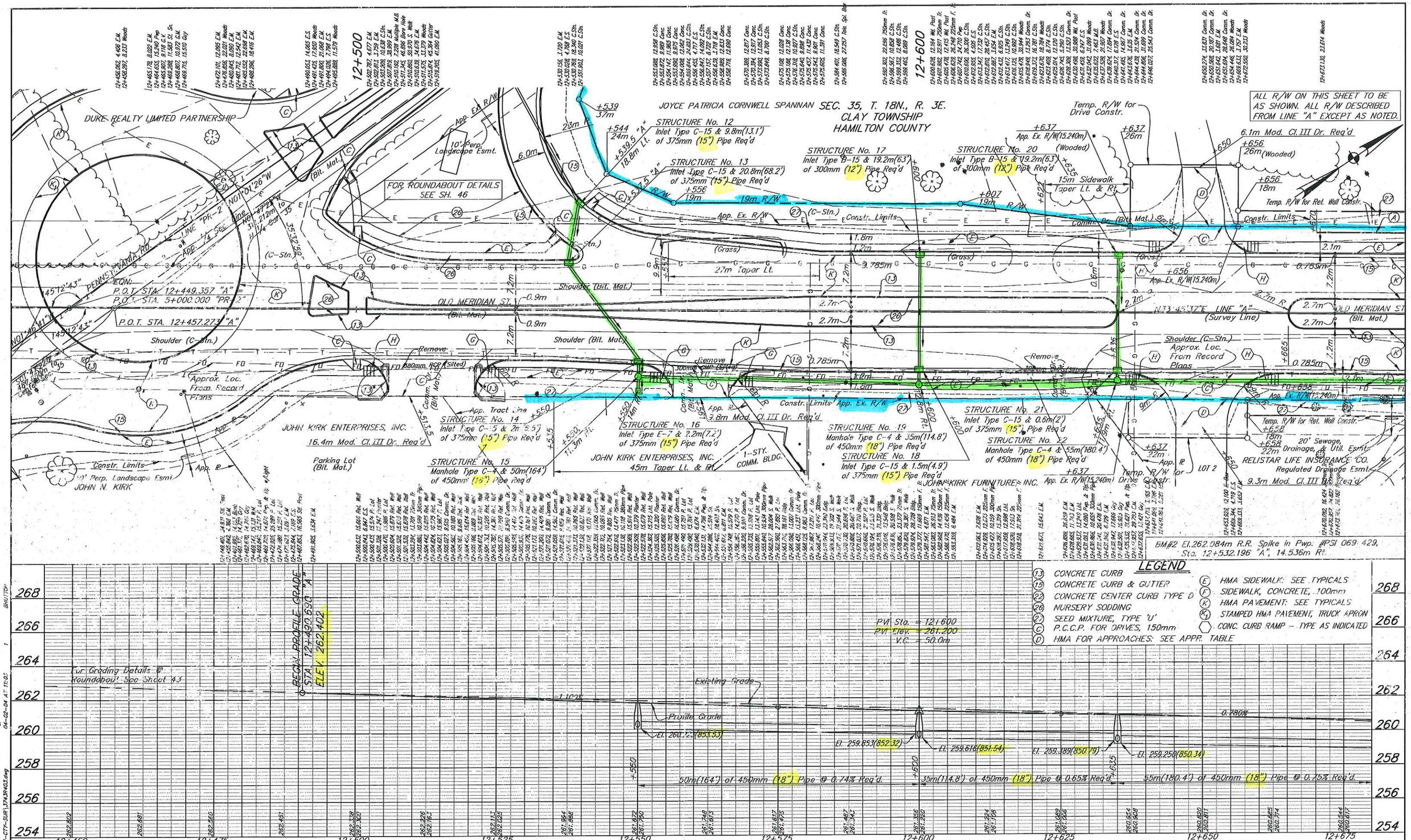

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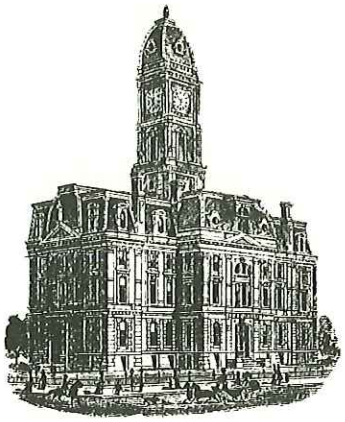

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Noblesville, Indiana 46060-2230

Map Correction-Field Verification

Drain Number: 176 **Drain Length:** 595

Drain Name: WR Fertig – Old Meridian Rd Improv. 2007 **Change + / - :** 14

Date: 7-14-2014 **New Length:** 609

Verified By: SLM, LMC

Notes & Sketch:

It was discovered that the work done for Old Meridian Rd Improvements contained an additional 14 feet of drain. It was originally reported that the project had begun at existing structure 11.1. It has been discovered that the structure was left intact. The project tied into it with 14 feet of 48" RCP. This run of pipe is between existing Structure 11.1 and new Structure 40. This work was done in 2007.

Suzanne L. Mills
GIS Specialist

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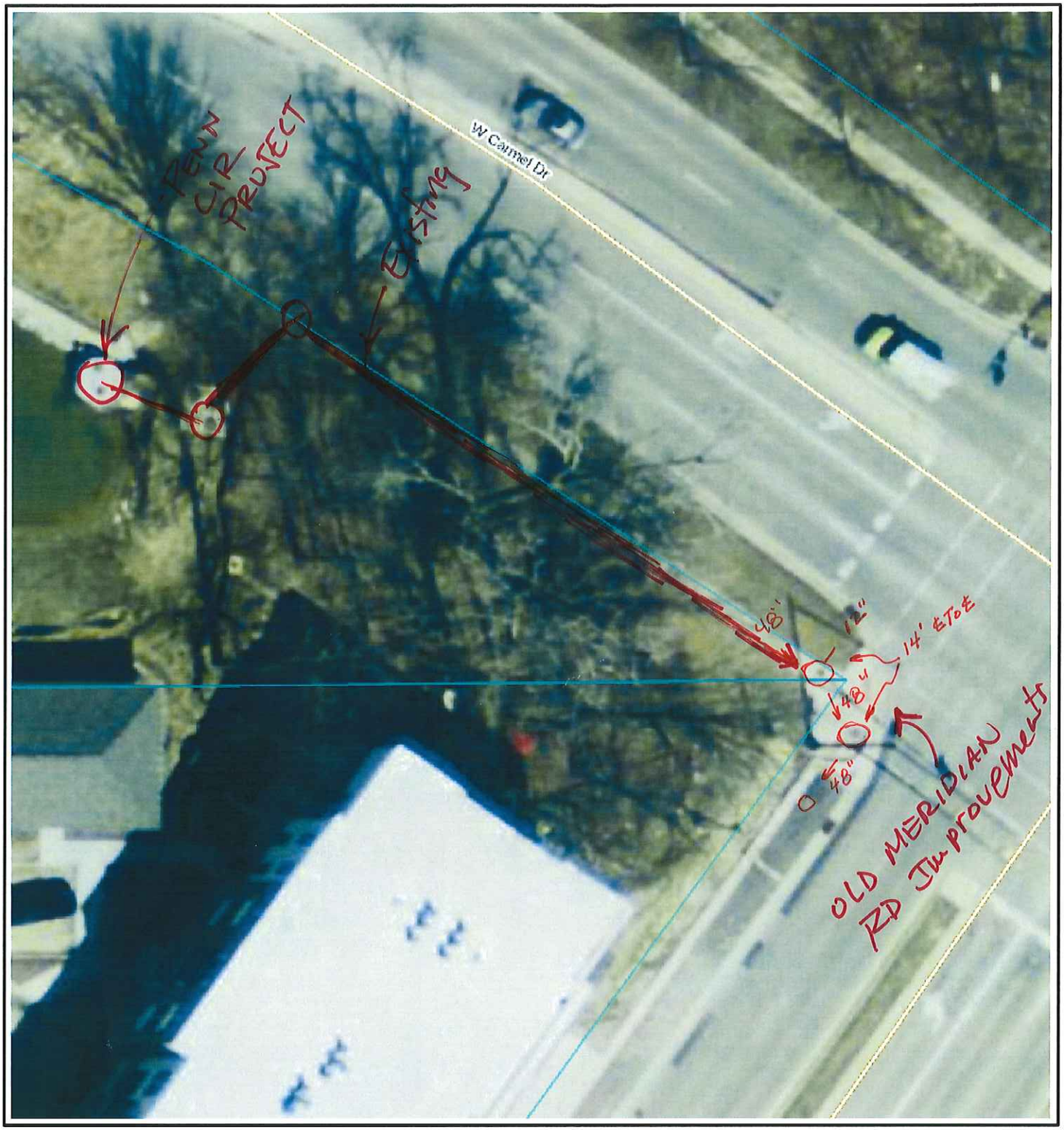

Hamilton County

This is My Map

Printed: Apr 29, 2014

FIELD CK BY LMC

N
W E
S

0 40
Feet

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