

## PROPOSED SITE

FIRST MERCHANTS BANK BUILDING SITE TOTAL ACREAGE: 1.49  
 SITE ZONING = LB-PD  
 ADJACENT ZONING  
 NORTH = LB-PD SOUTH = PUD  
 EAST = LB-PD WEST = LB

### STATEMENT of USE

First Merchants Bank is a proposed bank construction project that will include construction of a proposed 2,659 square foot building that will entail new construction of new pavement, curbing and all site development work.

### PROPOSED STARTING & COMPLETION of CONSTRUCTION

ESTIMATED START DATE: 06/2015  
 ESTIMATED COMPLETION DATE: 06/2016

# FIRST MERCHANTS BANK

S.R. 32 WESTFIELD, HAMILTON COUNTY, INDIANA

## CONSTRUCTION PLANS

### BENCHMARK

INDIANA STATE HIGHWAY COMMISSION DISK 02, MILES EAST OF WESTFIELD ON STATE ROAD 32 AT THE ONE SPAN BRIDGE OVER COOL CREEK, SET IN TOP OF THE NORTHEAST WINGWALL OF THE BRIDGE, 24 FEET NORTH OF THE CENTERLINE OF S.R. 32, 0.5 FEET NORTH OF THE GROUND, ABOUT LEVEL WITH THE ROAD.  
 ELEVATION : 865.01

### BENCHMARK

MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.  
 ELEVATION : 868.47

HOLEY MOLEY SAYS,

"DON'T DIG BLIND"



1-800-382-5544  
 CALL TOLL FREE  
 1-800-428-5200  
 FOR CALLS OUTSIDE OF INDIANA

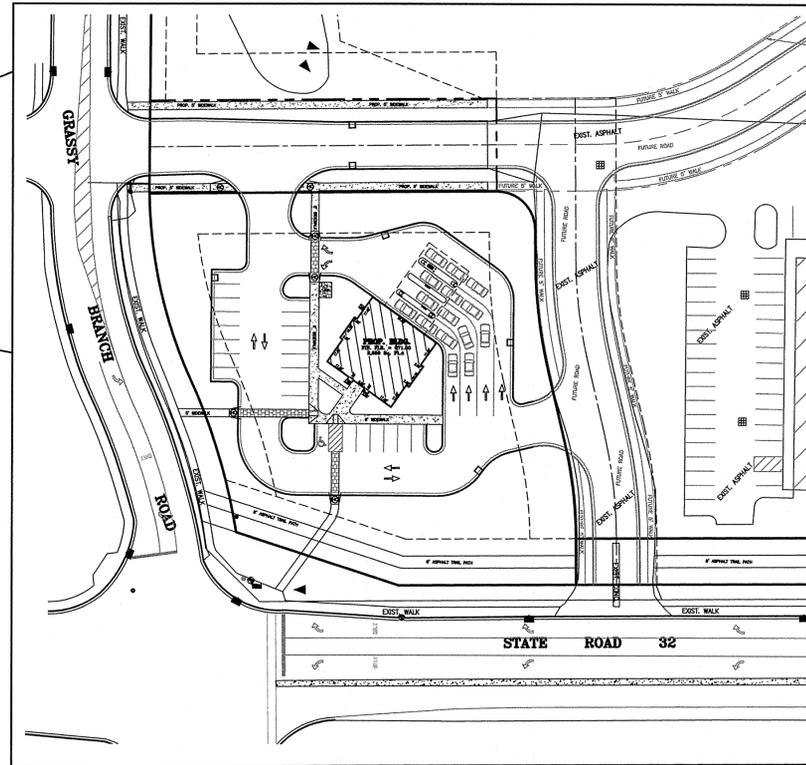
### LEGAL DESCRIPTION

A part of the Southwest Quarter of Section 32, Township 19 North, Range 4 East of the Second Principal Meridian, Hamilton County, Indiana, being more particularly described as follows:

COMMENCING at the Southwest corner of said Southwest Quarter Section; thence North 00 degrees 23 minutes 32 seconds East (Basis of Bearings are State Plane Coordinate System - IN East) along the West line of said Quarter Section 315.45 feet; thence North 89 degrees 35 minutes 36 seconds East 34.33 feet to the POINT OF BEGINNING of the herein described parcel; thence continuing North 89 degrees 35 minutes 36 seconds East 232.42 feet to a Point of Curvature of a curve concave Southwesterly with a Radius Point that bears South 00 degrees 24 minutes 24 seconds East 25.00 feet; thence Southeasterly along said curve through a Central Angle of 90 degrees 00 minutes 04 seconds a distance of 39.27 feet; thence South 00 degrees 24 minutes 20 seconds East 22.47 feet to a Point of Curvature of a curve concave Easterly with a Radius Point that bears North 89 degrees 35 minutes 40 seconds East 325.00 feet; thence Southerly along said curve through a Central Angle of 12 degrees 50 minutes 38 seconds a distance of 72.86 feet; thence South 15 degrees 14 minutes 59 seconds East 48.21 feet to a Point of Curvature of curve concave Westerly with a Radius Point that bears South 76 degrees 45 minutes 01 seconds West 275.00 feet; thence Southerly along said curve through a Central Angle of 12 degrees 50 minutes 38 seconds a distance of 61.65 feet; thence South 00 degrees 24 minutes 20 seconds East 30.47 feet to the North line of the land of the State of Indiana, as recorded in Instrument Number 2007047399, in the Office of the Hamilton County Recorder; thence the next two (2) courses being along the North lines of said State of Indiana; (1) South 89 degrees 38 minutes 53 seconds West 115.98 feet; (2) North 72 degrees 02 minutes 07 seconds West 135.31 feet to the West line of an Existing Right-of-Way Deeded Back to Grantor, as recorded in Instrument Number 20030060947, in the Office of the Hamilton County Recorder, said point also being a Point of Non-curvature of a curve concave Westerly with a Radius Point that bears South 79 degrees 11 minutes 35 seconds West 359.00 feet; thence the next two (2) courses being along said West line; (1) Northerly along said curve through a Central Angle of 13 degrees 50 minutes 29 seconds a distance of 86.73 feet to a Point of Reverse Curvature of a curve concave Easterly with a Radius Point that bears North 65 degrees 21 minutes 06 seconds East 321.00 feet; (2) Northerly along said curve through a Central Angle of 21 degrees 39 minutes 13 seconds a distance of 121.31 feet to a Point of Curvature of a curve concave Southeasterly with a Radius Point that bears North 87 degrees 00 minute 19 seconds East 15.00 feet; thence Northeasterly along said curve through a Central Angle of 92 degrees 35 minutes 17 seconds a distance of 24.24 feet to the Point of Beginning, containing 1.458 acres, more or less.

Subject to all Right-of-Way, easements, and restrictions.

## PROPOSED SITE



## VICINITY MAP



OWNER & DEVELOPER  
**FIRST MERCHANTS BANK**  
 10333 N. MERIDIAN STREET  
 INDIANAPOLIS, IN 46290

Email: kscharnowske@firstmerchants.com

### REVISIONS

DATE	SHEET NUMBER
2/20/15	C.1, C.3-C.8

### INDEX OF DRAWINGS

SHEET NO.	SHEET TITLE
C.1	TITLE SHEET
C.2	EXISTING CONDITIONS
C.3	GRADING PLAN
C.4	DIMENSIONAL PLAN
C.5	UTILITY PLAN
C.6-C.7	EROSION CONTROL
C.8	LANDSCAPE PLAN
C.9	SPECIFICATIONS
C.10-12	GENERAL DETAILS

### UTILITIES

#### TELEPHONE

SBC Ameritech  
 5858 North College Ave.  
 Indianapolis, IN 46220  
 (317) 265-6801  
 Steve Robinson

#### GAS

Vectron Energy Distribution  
 P.O. BOX 1700  
 Noblesville, IN 46061  
 (317) 776-5550  
 Resa Glover / Charlotte May

#### WATER

Citizens Westfield  
 2728 East 171st Street  
 Westfield, IN 46074  
 (317) 927-4338  
 Harry Nikides

#### ELECTRIC

Duke Energy  
 16475 Southpark Drive  
 Westfield, IN 46074  
 Shirley Hunter  
 (317) 896-6711

#### CABLE TV

Comcast Cable  
 533 East 65th Street  
 Indianapolis, IN 46202  
 Matt Stringer  
 (317) 927-4744

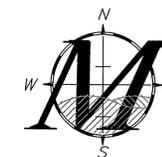
#### SANITARY SEWER

Citizens Westfield  
 2728 E. 171st Street  
 Westfield, IN 46074  
 (317) 927-4338  
 Harry Nikides

### UTILITY STATEMENT:

THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND/OR EXISTING DRAWINGS. MAURER SURVEYING, INC. (M) MAKES NO GUARANTEES THAT THE UTILITY INFORMATION SHOWN COMPRISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. (M) FURTHER STATES THAT THE UNDERGROUND UTILITY DATA SHOWN DOES NOT INDICATE PRECISE LOCATIONS.

ISSUED FOR REVIEW AND COMMENT JANUARY 29, 2015  
 ISSUED FOR CONSTRUCTION



PREPARED BY:

**MAURER SURVEYING, INC.**

4800 W. Smith Valley Road, Ste. P, Greenwood, Indiana 46142  
 Office - 317-881-3898 Fax - 317-881-4099  
 www.MaurerSurveying.com

LAND SURVEYING, LAND DEVELOPMENT & BUILDERS SERVICES

CERTIFIED BY:

*Paul Maurer* 2/20/2015

Paul Maurer, P.L.S. #880006  
 paul@maurersurveying.com

**NOTICE, PERMITS, and NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH THE RESPECTIVE UTILITY COMPANIES, PRIOR TO STARTING ANY CONSTRUCTION.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT INFORMATION TO THE ENGINEERING/SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

**BENCHMARK**

INDIANA STATE HIGHWAY COMMISSION DISK 02, MILES EAST OF WESTFIELD ON STATE ROAD 32 AT THE ONE SPAN BRIDGE OVER COOL CREEK, SET IN TOP OF THE NORTHEAST WINGWALL OF THE BRIDGE, 24 FEET NORTH OF THE CENTERLINE OF S.R. 32, 0.5 FEET NORTH OF THE GAUGE RAIL, ABOUT LEVEL WITH THE ROAD.

ELEVATION : 865.01



**BENCHMARK**

MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.

ELEVATION : 868.47



**EXISTING LEGEND**

- - - - - EXISTING SANITARY SEWER
- ⊙ EXISTING SANITARY MANHOLE
- - - - - EXISTING STORM SEWER
- ⊕ EXISTING STORM (BEEHIVE) INLET
- ⊕ EXISTING STORM (CURB) INLET
- ⊕ EXISTING UTILITY POLE
- ⊕ EXISTING GAS VALVE
- - - - - EXISTING GAS LINE
- ⊕ EXISTING TELEPHONE PEDESTAL
- ⊕ EXISTING CABLE PEDESTAL
- ⊕ EXISTING WATERLINE
- ⊕ EXISTING WATER METER
- ⊕ EXISTING WATER VALVE
- - - - - EXISTING CONTOUR LINE
- - - - - EXISTING UNDERGROUND ELECTRIC
- ⊕ EXISTING ELECTRIC TRANSFORMER
- ⊕ EXISTING STREET SIGN
- ⊕ EXISTING LIGHT



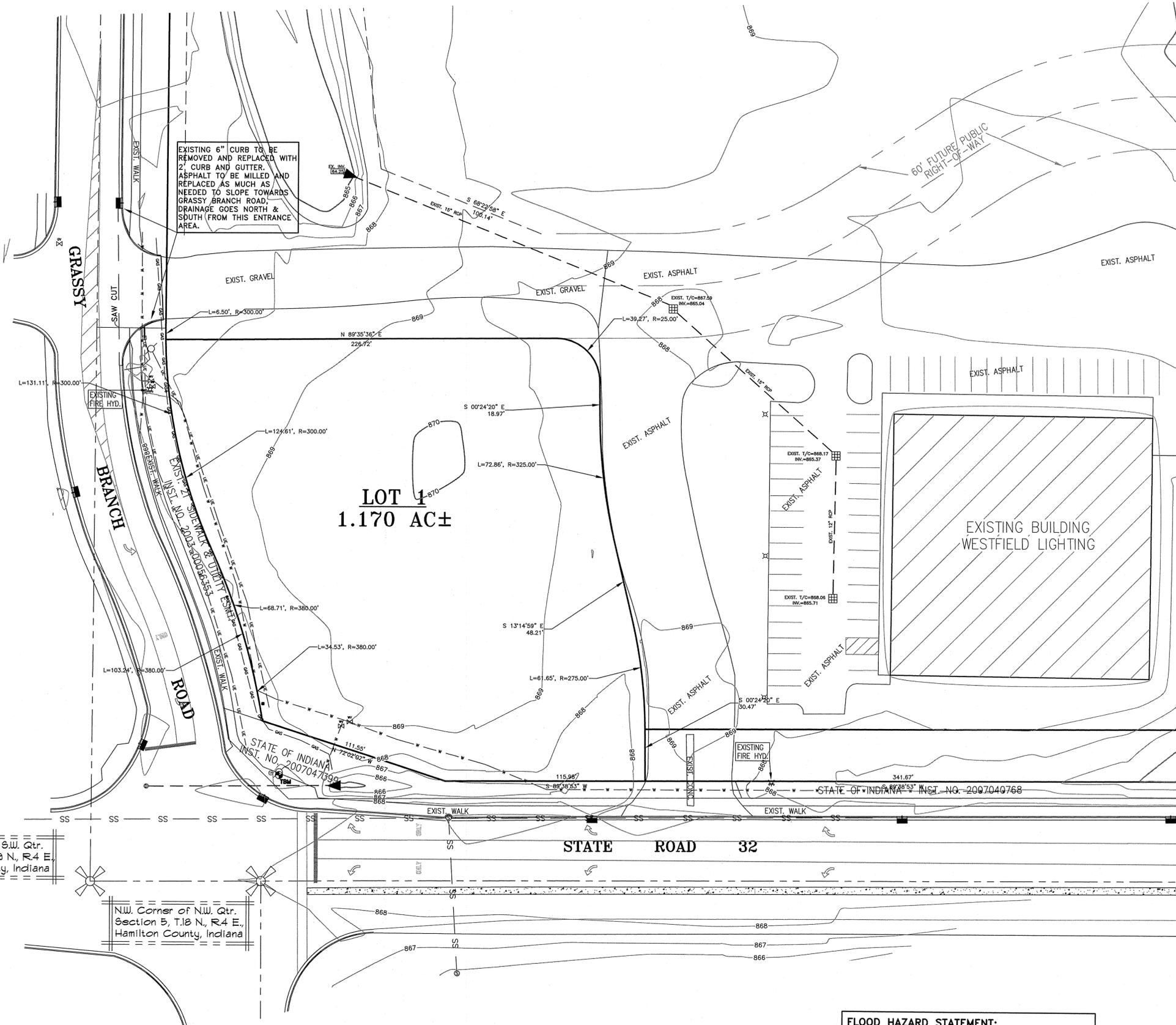
**GRAPHIC SCALE**



( IN FEET )  
1 inch = 30 ft.

E.W. Corner of E.W. Qtr.  
Section 32, T19 N, R4 E,  
Hamilton County, Indiana

N.W. Corner of N.W. Qtr.  
Section 5, T18 N, R4 E,  
Hamilton County, Indiana



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THIS DRAWING/COMPUTER FILE IS THE PROPERTY OF MAURER SURVEYING, INC. (M). ANY REPRODUCTION OR REUSE OF THIS DOCUMENT FOR ANY PURPOSE OTHER THAN THE PROJECT FOR WHICH IT WAS ORIGINALLY INTENDED, WITH OR WITHOUT PERMISSION FROM (M), BY ITS USE AGREES TO INDEMNIFY AND HOLD HARMLESS (M) FROM ANY LOSS, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES, OCCURRING FROM THEIR USE.

**FLOOD HAZARD STATEMENT:**  
The accuracy of any flood hazard data shown on this report is subject to map scale uncertainty and to any other uncertainty in location or elevation on the referenced flood insurance rate map. The surveyed parcel lies within Zone X as said land plots by scale on Community Panel 18057C0136 G of the Flood Insurance Rate Maps for Hamilton County, Indiana dated November 19, 2014.

HOLEY MOLEY SAYS,  
"DON'T  
DIG  
BLIND"  
1-800-382-5544  
CALL TOLL FREE  
1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA

SCALE: 1" = 30'  
DRAWN BY: AB  
CHECKED BY: PM  
CREATED BY: MAURER  
No. 880006  
STATE OF INDIANA  
MAURER SURVEYING, INC.  
2/20/15

DATE	REVISION
2/20/15	LOT 1 51 215

PROJECT NAME:  
**FIRST MERCHANTS BANK  
STATE ROAD 32, WESTFIELD**

SHEET NAME:  
**EXISTING CONDITIONS**

**MAURER SURVEYING, INC.**  
4800 W. SMITH VALLEY ROAD, STE P, GREENWOOD, INDIANA 46142  
OFFICE - 317-881-3808  
LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES

**FIRST MERCHANTS BANK**  
10383 N. MERIDIAN STREET  
INDIANAPOLIS, IN 46290

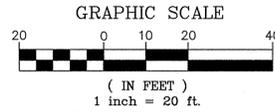
SHEET  
**C.2**  
DATE  
JANUARY 29, 2015  
JOB NO.  
1817-C.2

**NOTICE, PERMITS, and NOTES**

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**EXISTING LEGEND**

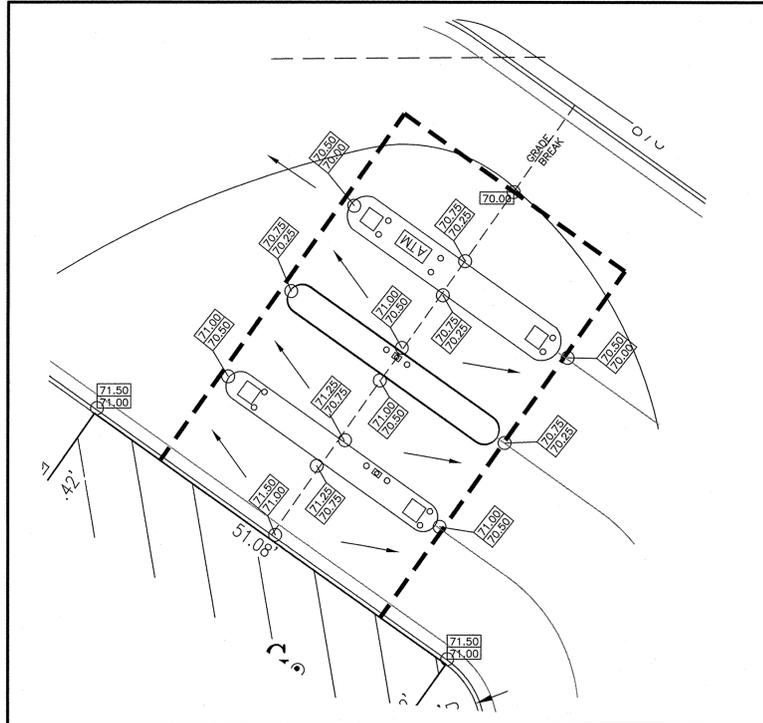
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- ⊕ EXISTING UNDERGROUND ELECTRIC
- ⊕ EXISTING ELECTRIC TRANSFORMER
- ⊕ EXISTING STREET SIGN
- ⊕ EXISTING LIFE



EXISTING 6" CURB TO BE REMOVED AND REPLACED WITH 2" CURB AND GUTTER. ASPHALT TO BE MILLED AND REPLACED AS MUCH AS NEEDED TO SLOPE TOWARDS GRASSY BRANCH ROAD, DRAINAGE GOES NORTH & SOUTH FROM THIS ENTRANCE AREA.

**DRIVE THROUGH GRADING DETAIL**

SCALE: 1"=10'



**GENERAL DEVELOPMENT NOTES:**

- 1) ALL WORK SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
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- 3) CONTRACTOR SHALL NOTIFY ANY AND ALL UTILITY COMPANIES WITH UTILITIES PRESENT ON SITE 72 HOURS BEFORE STARTING CONSTRUCTION. CONTRACTOR SHALL HAVE UTILITY COMPANIES VERIFY (i.e. LOCATION, DEPTH AND SIZE) ALL UTILITIES WITHIN LIMITS OF CONSTRUCTION.
- 4) ALL STORM SEWER AND SANITARY SEWER LINES SHALL BE BACKFILLED COMPLETELY WITH ENGINEERED GRANULAR MATERIALS WITHIN 5' OF PAVEMENT.
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- 8) SANITARY SEWER SERVICE INTO PROPOSED BUILDING TO BE COORDINATED WITH ARCHITECT.
- 9) ALL WATERLINE CONSTRUCTION, RELOCATION AND SERVICE INTO THE PROPOSED BUILDING SHALL BE DONE IN ACCORDANCE WITH INDIANA AMERICAN COMPANY STANDARDS AND SPECIFICATIONS.
- 10) DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SPECIFICATIONS OF THE UTILITY COMPANY AT NO ADDITIONAL EXPENSE TO THE OWNER.



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**PROPOSED LEGEND**

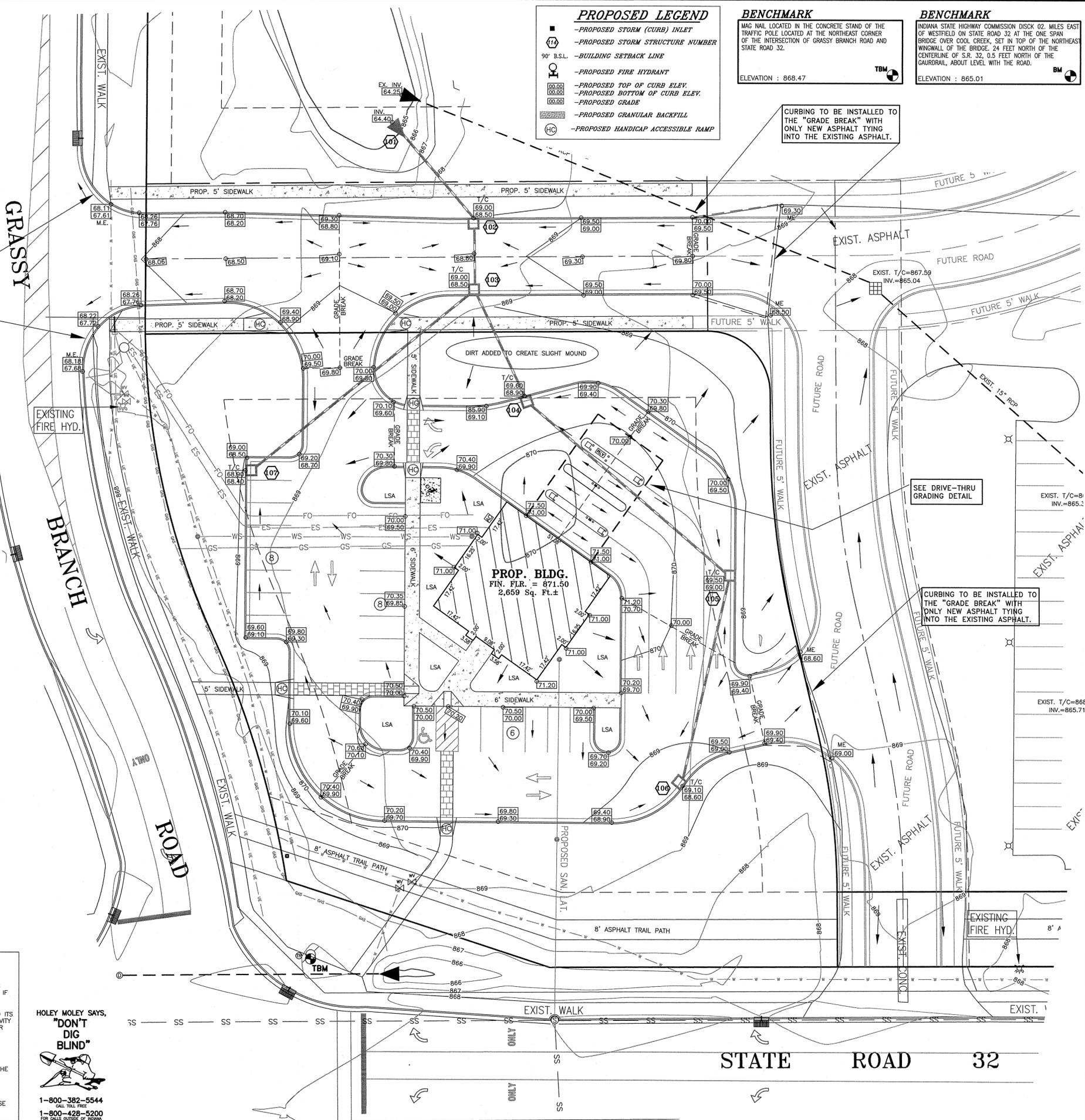
- PROPOSED STORM (CURB) INLET
- ⊕ PROPOSED STORM STRUCTURE NUMBER
- 90° B.S.L. BUILDING SETBACK LINE
- ⊕ PROPOSED FIRE HYDRANT
- ⊕ PROPOSED TOP OF CURB ELEV.
- ⊕ PROPOSED BOTTOM OF CURB ELEV.
- ⊕ PROPOSED GRADE
- ⊕ PROPOSED GRANULAR BACKFILL
- ⊕ PROPOSED HANDICAP ACCESSIBLE RAMP

**BENCHMARK**

MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.  
ELEVATION : 868.47

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ELEVATION : 865.01



SCALE: AS SHOWN  
DATE: 2/20/15  
PROJECT NAME: FIRST MERCHANTS BANK STATE ROAD 32, WESTFIELD  
SHEET NO.: 1817-C.3

DATE:	2/20/15
REVISION:	PER COMMENTS

**FIRST MERCHANTS BANK**  
STATE ROAD 32, WESTFIELD  
GRADING PLAN

**MAURER SURVEYING, INC.**  
4800 WEST SMITH VALLEY ROAD, STE P, GREENWOOD, IN 46142  
OFFICE - 317-881-3098 www.MaurerSurveying.com  
LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES

**MAURER SURVEYING, INC.**  
10333 N. MERIDIAN STREET  
INDIANAPOLIS, IN 46290

SHEET  
**C.3**  
DATE  
JANUARY 29, 2015  
JOB NO.  
1817-C.3

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FOR CALLS OUTSIDE OF INDIANA

**PROPOSED LEGEND**

- - PROPOSED STORM (CURB) INLET
- 114 - PROPOSED STORM STRUCTURE NUMBER
- 90° B.S.L. - BUILDING SETBACK LINE
- ⊕ - PROPOSED FIRE HYDRANT
- ▭ - PROPOSED GRADE
- ▨ - PROPOSED GRANULAR BACKFILL
- HC - PROPOSED HANDICAP ACCESSIBLE RAMP

**EXISTING LEGEND**

- - EXISTING SANITARY SEWER
- ⊙ - EXISTING SANITARY MANHOLE
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- - EXISTING CONTOUR LINE
- - EXISTING UNDERGROUND ELECTRIC
- ⊕ - EXISTING ELECTRIC TRANSFORMER
- - EXISTING STREET SIGN
- - EXISTING LITE

**PARKING NOTES**

**GENERAL DEVELOPMENT NOTES:**

PARKING PROVIDED: 22 SPACES  
9' X 18' STALLS  
HANDICAP SPACES: 1 SPACES  
TOTAL SPACES PROVIDED: 23 SPACES

**KEYNOTE LEGEND ( \*\* = SEE DETAIL)**

- A --- MONOLITHIC CURB & WALK \*\*
- B --- HEAVY DUTY PAVEMENT \*\*
- C --- 2' COMBINED CURB & GUTTER
- D --- HANDICAP & OTHER PAINT MARKINGS
- E --- LAWN
- F --- 4" PAINTED WHITE PARKING STRIPE
- G --- HANDICAP RAMP \*\* HC
- H --- RIGHT-OF-WAY PAVEMENT \*\*

**GRAPHIC SCALE**



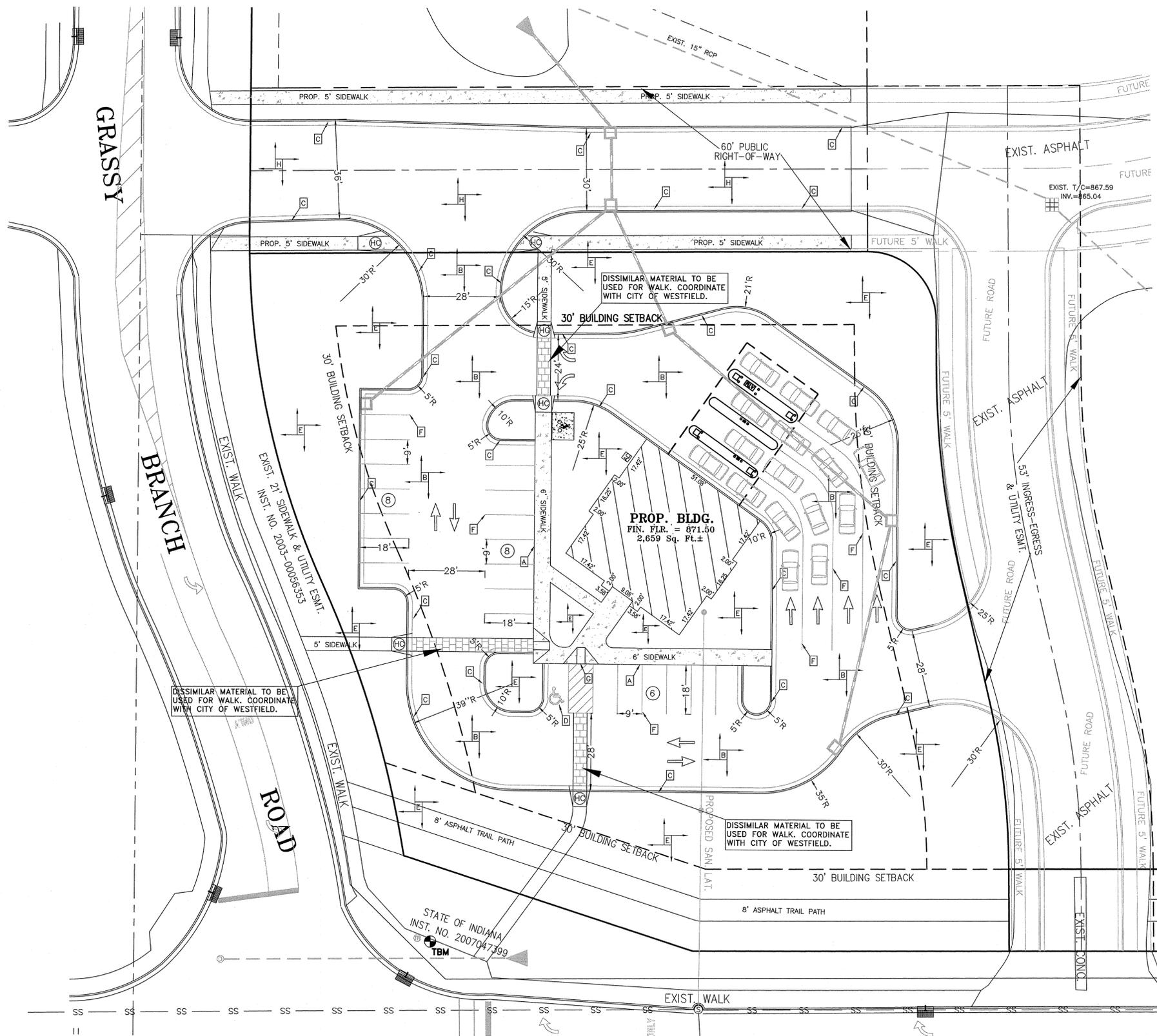
( IN FEET )  
1 inch = 20 ft.

**DIMENSION NOTES**

- ALL INTERIOR DIMENSIONS ARE TO "FACE OF CURB"
- ALL RADII DIMENSIONS ARE TO "FACE OF CURB"

**GENERAL DEVELOPMENT NOTES:**

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- 6) CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS (GRASS/LANDSCAPE AND CONCRETE/PAVEMENT) WHEN SITE WORK IS COMPLETE. TESTS SHALL BE PERFORMED TO INSURE AND CORRECT, IF NECESSARY, ANY PONDING, "BIRD BATH" CONDITIONS.
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SCALE: 1" = 20'  
DATE: 2/20/15  
PROJECT NAME: FIRST MERCHANTS BANK STATE ROAD 32, WESTFIELD  
SHEET NAME: DIMENSIONAL PLAN  
NO. 88006  
DATE OF ISSUE: 2/20/15  
MAURER SURVEYING, INC.

DATE:	2/20/15
REVISION:	PER COMMENTS

**FIRST MERCHANTS BANK**  
**STATE ROAD 32, WESTFIELD**  
**DIMENSIONAL PLAN**

**MAURER SURVEYING, INC.**  
4800 WEST SMITH VALLEY ROAD, STE P, GREENWOOD, IN 46142  
OFFICE - 317-861-3888  
www.MaurerSurveying.com  
LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES  
REGISTERED ENGINEER  
**FIRST MERCHANTS BANK**  
10833 N. MERIDIAN STREET  
INDIANAPOLIS, IN 46290

SHEET  
**C.4**  
DATE  
JANUARY 29, 2015  
JOB NO.  
1817-C.4

**UTILITY STATEMENT:**  
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**NOTICE, PERMITS, and NOTES**

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2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH THE RESPECTIVE UTILITY COMPANIES, PRIOR TO STARTING ANY CONSTRUCTION.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT INFORMATION TO THE ENGINEERING/SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

HOLEY MOLEY SAYS,

**"DON'T DIG BLIND"**



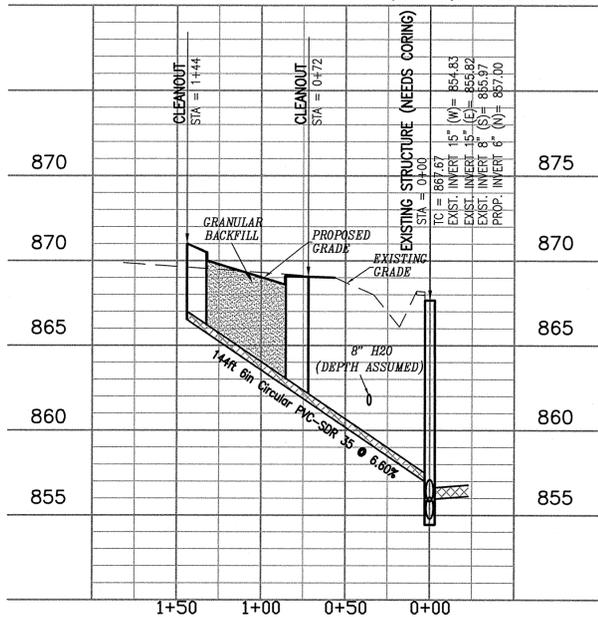
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**GENERAL DEVELOPMENT NOTES:**

- 1) ALL WORK SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
- 2) THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS SHOWN ON THIS PLAN PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEERS/SURVEYORS IMMEDIATELY.
- 3) CONTRACTOR SHALL NOTIFY ANY AND ALL UTILITY COMPANIES WITH UTILITIES PRESENT ON SITE 72 HOURS BEFORE STARTING CONSTRUCTION. CONTRACTOR SHALL HAVE UTILITY COMPANIES VERIFY (I.E. LOCATION, DEPTH AND SIZE) ALL UTILITIES WITHIN LIMITS OF CONSTRUCTION.
- 4) ALL STORM SEWER AND SANITARY SEWER LINES SHALL BE BACKFILLED COMPLETELY WITH ENGINEERED GRANULAR MATERIALS WHEN WITHIN 5' OF PAVEMENT.
- 5) ALL UTILITY SERVICES INTO THE PROPOSED BUILDING SHALL BE COORDINATED BETWEEN CONTRACTOR, DEVELOPER, ARCHITECT AND THE RESPECTIVE UTILITY COMPANY.
- 6) CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS (GRASS/LANDSCAPE AND CONCRETE/PAVEMENT) WHEN SITE WORK IS COMPLETE. TESTS SHALL BE PERFORMED TO INSURE AND CORRECT, IF NECESSARY, ANY PONDING, "BIRD BATH" CONDITIONS
- 7) CONTRACTOR SHALL RESURFACE AND/OR RECONSTRUCT BACK TO ITS ORIGINAL CONDITION, ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITY AS WELL AS TRAFFIC FROM SUPPLIERS AND SUBCONTRACTORS AFTER CONSTRUCTION WORK IS COMPLETE.
- 8) SANITARY SEWER SERVICE INTO PROPOSED BUILDING TO BE COORDINATED WITH ARCHITECT.
- 9) ALL WATERLINE CONSTRUCTION, RELOCATION AND SERVICE INTO THE PROPOSED BUILDING SHALL BE DONE IN ACCORDANCE WITH INDIANA AMERICAN COMPANY STANDARDS AND SPECIFICATIONS.
- 10) DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SPECIFICATIONS OF THE UTILITY COMPANY AT NO ADDITIONAL EXPENSE TO THE OWNER.

**PROFILE of SANITARY SEWER LATERAL "A" (SSA)**

**SCALES:**  
HORIZ.: 1"=50'  
VERT.: 1"=5'



**BENCHMARK**

INDIANA STATE HIGHWAY COMMISSION DISK 02, MILES EAST OF WESTFIELD ON STATE ROAD 32 AT THE ONE SPAN BRIDGE OVER COOL CREEK, SET IN TOP OF THE NORTHEAST WINGWALL OF THE BRIDGE, 24 FEET NORTH OF THE CENTERLINE OF S.R. 32, 0.5 FEET NORTH OF THE GAUGE/RAIL, ABOUT LEVEL WITH THE ROAD.  
ELEVATION: 865.01

**BENCHMARK**

MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.  
ELEVATION: 868.47

**PROPOSED LEGEND**

- PROPOSED STORM (CURB) INLET
- PROPOSED STORM STRUCTURE NUMBER
- 90° B.S.L. - BUILDING SETBACK LINE
- PROPOSED FIRE HYDRANT
- PROPOSED GRADE
- PROPOSED GRANULAR BACKFILL
- PROPOSED HANDICAP ACCESSIBLE RAMP
- ES - PROPOSED ELECTRIC SERVICE
- GS - PROPOSED GAS SERVICE
- FO - PROPOSED FIBER OPTIC

**EXISTING LEGEND**

- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM (BEEHIVE) INLET
- EXISTING STORM (CURB) INLET
- EXISTING UTILITY POLE
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING TELEPHONE PEDESTAL
- EXISTING CABLE PEDESTAL
- EXIST - EXISTING WATERLINE
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING CONTOUR LINE
- UE - EXISTING UNDERGROUND ELECTRIC
- EXISTING ELECTRIC TRANSFORMER
- EXISTING STREET SIGN
- EXISTING LITE

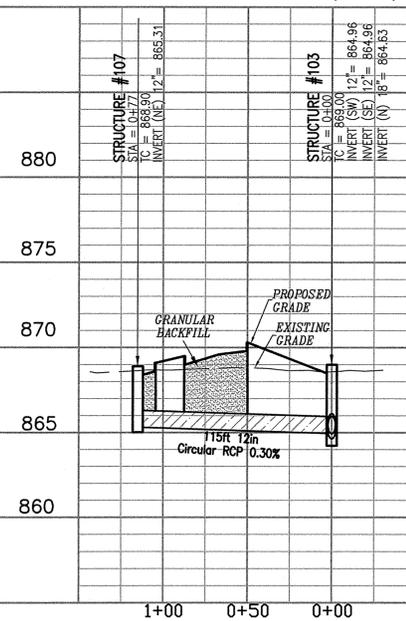
**STR. NO. 107**

Sta. 1+15 "STB"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

NOTE:

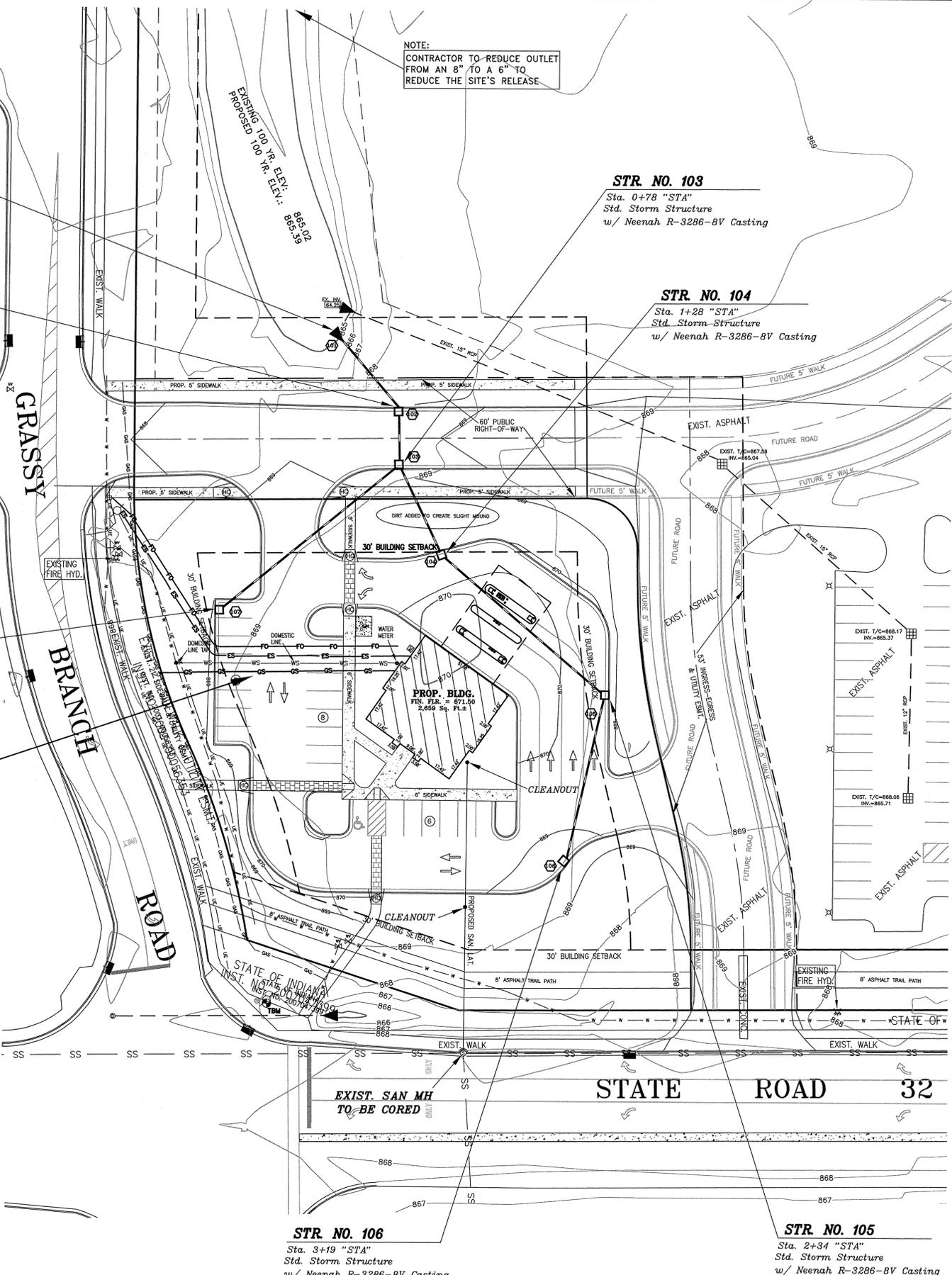
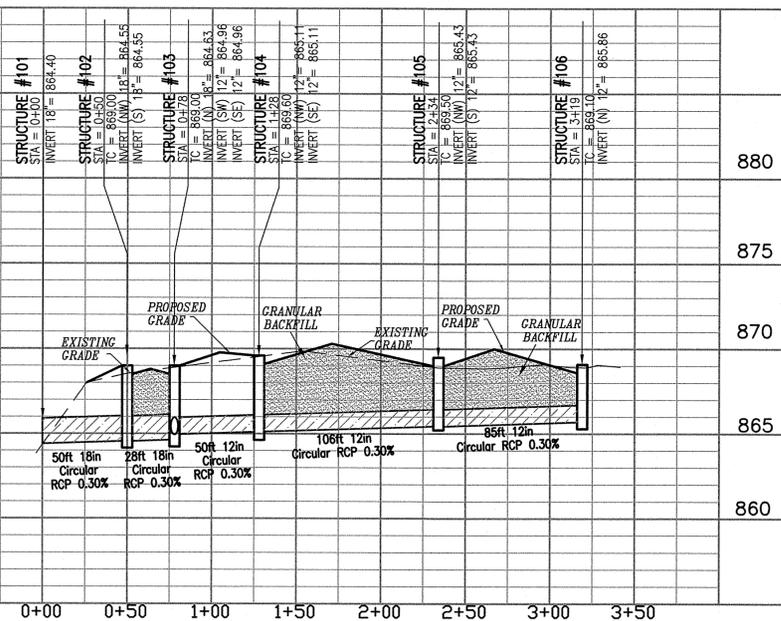
CONTRACTOR TO INSTALL 4" CONDUITS FOR ALL UTILITY SERVICE LINES UNDER THE PARKING AND DRIVE AREAS.

**PROFILE of STORM SEWER LINE "B" (STB)**



**PROFILE of STORM SEWER LINE "A" (STA)**

**SCALES:**  
HORIZ.: 1"=50'  
VERT.: 1"=5'



NOTE:  
CONTRACTOR TO REDUCE OUTLET FROM AN 8" TO A 6" TO REDUCE THE SITE'S RELEASE.

**STR. NO. 101**  
Sta. 0+00 "STA"  
END SECTION

**STR. NO. 102**  
Sta. 0+50 "STA"  
Sta. 0+00 "STB"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

**STR. NO. 103**  
Sta. 0+78 "STA"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

**STR. NO. 104**  
Sta. 1+28 "STA"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

**STR. NO. 107**  
Sta. 1+15 "STB"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

**STR. NO. 106**  
Sta. 3+19 "STA"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

**STR. NO. 105**  
Sta. 2+34 "STA"  
Std. Storm Structure  
w/ Neenah R-3286-BV Casting

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SCALE: AS SHOWN  
DRAWN BY: AB  
CHECKED BY: FM  
DATE: 2/20/15

MAURER SURVEYING, INC.  
No. 880006  
DATE: 2/20/15

DATE:	REVISION:
2/20/15	PER COMMENTS

PROJECT NAME:  
**FIRST MERCHANTS BANK**  
**STATE ROAD 32, WESTFIELD**

SHEET NAME:  
**UTILITY PLAN**

**MAURER SURVEYING, INC.**  
4600 W. SMITH VALLEY ROAD, STE F, GREENWOOD INDIANA 46142  
OFFICE - 317-861-3996 www.MaurerSurveying.com  
LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES

**FIRST MERCHANTS BANK**  
10833 N. MERIDIAN STREET  
INDIANAPOLIS, IN 46290

SHEET  
**C.5**

DATE  
JANUARY 29, 2015

JOB NO.  
1817-C.5

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**NOTE:**

TRENCHES SHALL BE SHEETED AND BRACED AS NECESSARY TO PROTECT WORKMEN AND ADJACENT STRUCTURES. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH O.S.H.A. STANDARDS TO PROTECT WORKMEN.

THE CONTRACTOR SHALL FIELD LOCATE AND MEASURE ALL SEWER LATERALS ON EACH LOT AND PROVIDE THE ENGINEER WITH MEASUREMENTS AND LOCATIONS FOR AS-BUILT DRAWING.

WHEREVER ANY SANITARY SEWERS CONSTRUCTED IN THIS SECTION CONNECT TO ANY EXISTING SANITARY SEWER OR SANITARY MANHOLE, THE EXISTING MANHOLE OR SEWER SHALL BE PLUGGED TO PREVENT ANY, DEBRIS OR SURFACE WATER FROM ENTERING THE EXISTING SYSTEM.

ALL MANHOLES INDICATED ON THE CONSTRUCTION PLANS FOR THIS SECTION ARE TO BE COMPLETED IMMEDIATELY UPON COMMENCING CONSTRUCTION OF THE MANHOLE. ALL MATERIAL TO FINISH THE MANHOLE MUST BE ON SITE READY TO FINISH THE STRUCTURE ONCE THE BASE IS SET.

THE STORM WATER QUALITY UNIT SHOWN ON THESE PLANS SHALL BE THE UNIT INSTALLED DURING THE DEVELOPMENT OF THIS PROPERTY. NO SUBSTITUTIONS SHALL BE PERMITTED.

ALL CASTINGS SHALL HAVE STANDARD "ENVIRONMENTALLY FRIENDLY LOGOS" EMBOSSED INTO THE INLET.

CITY ENGINEER HAS THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IN THE FIELD AS CONDITIONS WARRANT.

**\*THIS SHEET FOR EROSION CONTROL PURPOSES ONLY\***  
**\*SEE DETAIL SHEETS FOR EROSION CONTROL DETAILS\***  
**\*SEE SHEET C.7 FOR SUMMARY & ADDITIONAL INFORMATION\*\***

ALL EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE INDIANA STORM WATER QUALITY MANUAL - PLANNING AND SPECIFICATION GUIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL AND POST-CONSTRUCTION WATER QUALITY.

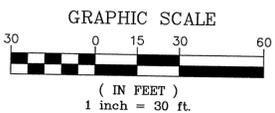
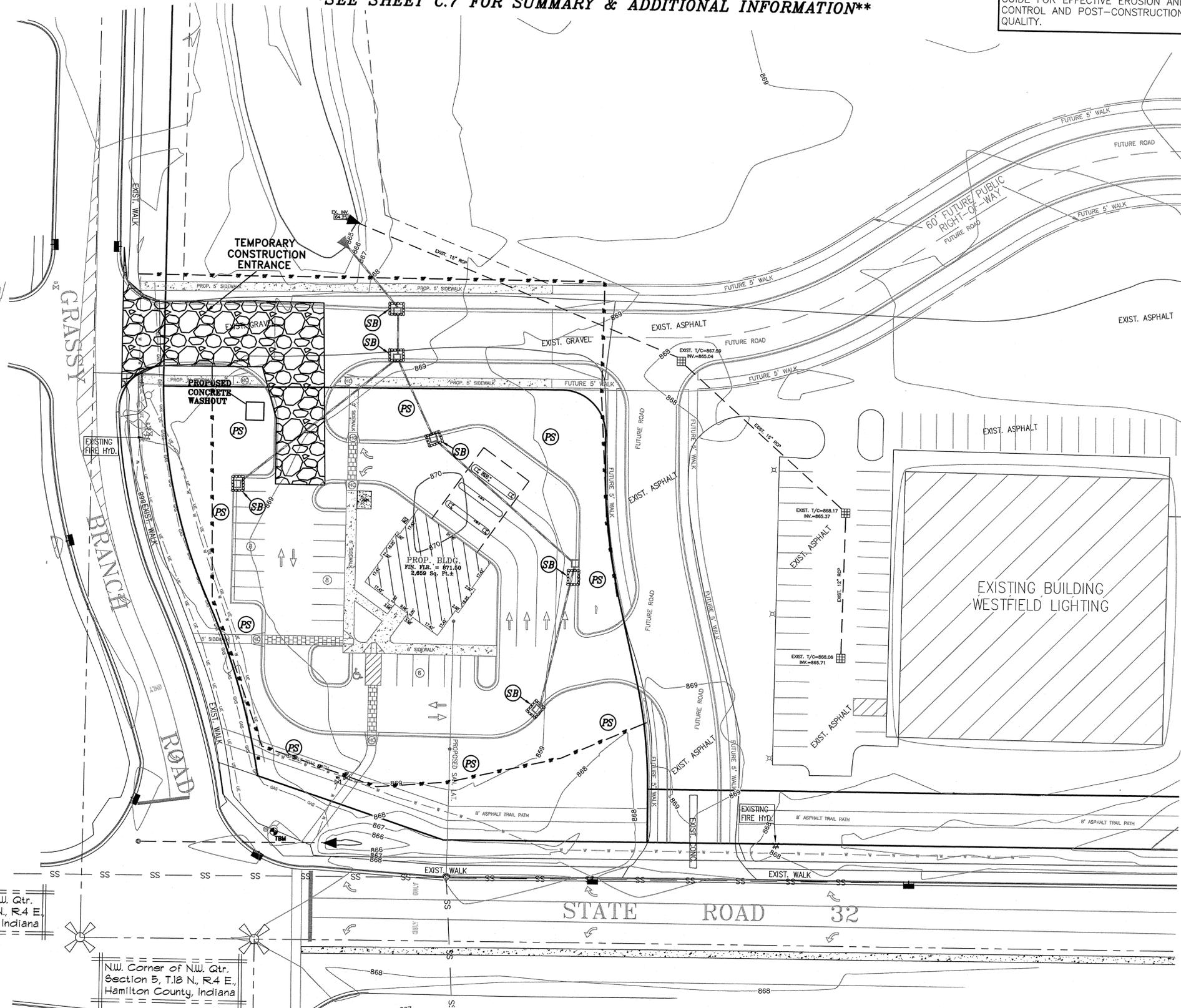
SCALE: 1" = 30'	DATE: 2/20/15
DRAWN BY: AB	CHECKED BY: FM
PROJECT NO. 80006	STATE OF INDIANA
PROJECT NAME: STATE ROAD 32, WESTFIELD	PROJECT LOCATION: WESTFIELD, INDIANA
PROJECT OWNER: FIRST MERCHANTS BANK	PROJECT ADDRESS: STATE ROAD 32, WESTFIELD, INDIANA
PROJECT TYPE: EROSION CONTROL PLAN	PROJECT SHEET: C.6

**PROPOSED LEGEND**

- - PROPOSED STORM (CURB) INLET
- ⊕ - PROPOSED STORM STRUCTURE NUMBER
- 90° B.S.L. - BUILDING SETBACK LINE
- ⊕ - PROPOSED FIRE HYDRANT
- ▭ - PROPOSED GRADE
- ▨ - PROPOSED GRANULAR BACKFILL
- HC - PROPOSED HANDICAP ACCESSIBLE RAMP

**EXISTING LEGEND**

- - EXISTING SANITARY SEWER
- ⊕ - EXISTING SANITARY MANHOLE
- - EXISTING STORM SEWER
- ⊕ - EXISTING STORM (BEEHIVE) INLET
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- ⊕ - EXISTING WATER VALVE
- - EXISTING CONTOUR LINE
- ⊕ - EXISTING UNDERGROUND ELECTRIC
- ⊕ - EXISTING ELECTRIC TRANSFORMER
- ⊕ - EXISTING STREET SIGN
- ⊕ - EXISTING LIFE



S.W. Corner of S.W. Qtr.  
 Section 32, T.19 N., R.4 E.  
 Hamilton County, Indiana

N.W. Corner of N.W. Qtr.  
 Section 5, T.18 N., R.4 E.  
 Hamilton County, Indiana

**BENCHMARK**  
 MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.  
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 ELEVATION : 865.01

**LEGEND**

- ⊕ - PERMANENT SEED
- ⊕ - SILT FENCE
- ⊕ - TEMPORARY SEED
- ⊕ - EROSION CONTROL BLANKET

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**FIRST MERCHANTS BANK**  
 10383 N. MERIDIAN STREET  
 INDIANAPOLIS, IN 46290

**FIRST MERCHANTS BANK**  
 STATE ROAD 32, WESTFIELD  
**EROSION CONTROL PLAN**

SHEET  
**C.6**  
 DATE  
 JANUARY 29, 2015  
 JOB NO.  
 1817-C.6

**\*THIS SHEET FOR EROSION CONTROL PURPOSES ONLY\***  
**\*SEE DETAIL SHEET FOR EROSION CONTROL DETAILS\***

**PROJECT INDEX**

- Assessment of Construction Plan Elements (Section A)**
- A1 - Index showing locations of required Plan Elements
  - A2 - 11 by 17 Inch Site Plan
  - A3 - Narrative describing the nature and purpose of the project
    - FIRST MERCHANTS BANK is a 1.49 Acre Commercial Use Parcel. This project will include a new 2,695 square foot building with associated parking and the reconstruction of a drive.
  - A4 - Vicinity map showing project location
    - A Vicinity Map is shown on the Title Sheet for this set of plans.
  - A5 - Legal Description of the Project Site
    - The legal description for this site is shown on the Existing Site Conditions (Sheet # C.2), and this sheet.
  - A6 - Location of all lots and proposed site improvements (roads, utilities, structures, etc.)
    - The location of all proposed site improvements are as shown on the Dimensional Plan, Sheet C.4 of this set of plans.
  - A7 - Hydrologic unit code (14 digit)
    - The Hydrologic unit code for this site is 05120201140010
  - A8 - Notation of any State or Federal water quality permits.
    - NONE REQUIRED.
  - A9 - Specific points where stormwater discharge will leave the site
    - The majority of the stormwater runoff from this proposed site will flow Northerly through a new storm system and outlet into an existing dry detention pond. The existing dry detention outlets Northerly into a storm system associated with the neighborhood to the North. The rest of the site will continue flowing Southerly and Westerly in and along the swale along S.R. 32.
  - A10 - Location and name of all wetlands, lakes, and watercourses on and adjacent to the site
    - This proposed development lies within the Cool Creek Watershed. No wetlands or lakes are on site or adjacent to the site.
  - A11 - Identification of all receiving waters
    - This site lies within the Cool Creek Watershed.
  - A12 - Identification of potential discharges to ground water (abandoned wells, sinkholes, etc.)
    - No discharge to ground water will occur. Runoff from the site will be sheet drained to an existing detention area with its overflow running Northerly into an existing storm system which eventually outlets into Cool Creek.
  - A13 - 100-year floodplains, floodways, and floodway fringes
    - The 100 yr floodway, floodplains, and flood fringe will lie within the banks of the proposed pond.
  - A14 - Pre-construction and post construction estimate of Peak Discharge (10-year storm event)
    - The pre-development peak discharge for the 10-year storm event for the overall site = n/a cfs
    - The post-development peak discharge for the 10-year storm event for the overall site = n/a cfs
  - A15 - Adjacent land use, including upstream watershed
    - Major Highway to the West, Commercial to the East South and North.
  - A16 - Locations and approximate boundaries of all disturbed areas (Construction Limits)
    - See detail this sheet, which depicts the total disturbed area for the site
  - A17 - Identification of existing vegetation cover
    - The existing vegetation for this site is pavement and grass.
  - A18 - Soils map including soil descriptions and limitations Per Indiana Erosion Control Manual
    - See Soils Map this sheet
    - Br = Brookston Silty Clay Loam, 0 to 2 percent slopes.
    - CrA = Crosby Silt Loam, 0 to 2 percent slopes.
  - A19 - Locations, size and dimensions of proposed stormwater systems (e.g pipes, swales and channels)
    - The location of the proposed stormwater system as shown on this plan. The size of all stormwater systems are as shown on sheet C.5 of these construction plans.
  - A20 - Plans for any off-site construction activities associated with this project (sewer/water tie-ins)
    - None
  - A21 - Locations of proposed soil stockpiles and/or borrow/disposal areas
    - No Temporary stockpile areas are anticipated for this project. The contractor shall be responsible for removing all excess from project site.
  - A22 - Existing site topography at an interval appropriate to indicate drainage patterns
    - See the Existing Site Conditions sheet being sheet C.2 of these plans
  - A23 - Proposed final topography at an interval appropriate to indicate drainage patterns
    - See the Grading Plan being sheet C.3 of these plans
- Assessment of Stormwater Pollution Prevention Plan (Section B)**
- B1 - Description of Potential pollutant sources associated with construction activities
    - The potential pollutant sources associated with construction activities for this site would be material used for construction of the site, fuel storage areas, fueling locations, leaking vehicles and equipment, which could be exposed to the soils within the development. The contractor is urged to protect the site and maintain a single storage and fueling area on site. Although fuel leakage will happen, the contractor is urged to maintain this area so that pollutants to the soil is kept to a minimum.
  - B2 - Sequence describing stormwater quality measure implementation relative to land disturbing activities:
    - Install perimeter sediment control measures (e.g. silt fence)
    - Silt fence and appropriate erosion control measures shall be installed prior to any construction.
    - Silt fence to be "NOTEC 3 NWS-6" or approved equal.
    - Install stone for construction entrance and employee parking and vehicle maintenance area.
    - As areas are brought of rough grade, permanent seed fertilizer & mulch
    - Construct basin and stabilize side slopes with permanent seed and mulch or blanket
    - Construct forebays and set sediment marker as shown in detail on sheet 5.
    - Protect storm inlets immediately after installation
    - All installed erosion and sediment control practices must be monitored at least weekly and again after each rain event. Any noted deficiencies must be corrected immediately.
    - Any area of disturbed soil, which will remain inactive for 15 days or more must be seeded with the appropriate temporary vegetative covers. (see temp. seeding dates)
    - The contractor/developer has full responsibility of inspecting the erosion control measures on a daily basis. At a minimum, practices need to be inspected weekly, after each storm event, and daily during prolonged storm events. Inspection of practices during a storm event is advantageous because the inspector can easily identify where measures need to be repaired or replaced. Failing practices should be repaired or replaced immediately.
    - Builders are to coordinate staging of erosion control as per detail labeled "Construction Sequence of Building Site Erosion Control Practices"
    - Developers and Contractors must meet the design criteria, standards and specifications outlined in the Indiana Handbook for Erosion Control in Developing Areas.
    - Developer to place permanent seed on all side and rear easement areas and temporary seed in all other areas, at appropriate time during construction
    - Marion County and the State has the right to require additional erosion control measures in the field as conditions warrant.
    - See Details sheets of these plans for installation, Application and methods for erosion control devices and practices.
    - All slopes exposed during construction shall have SC-150 Erosion Control Blankets installed on them.
  - B3 - Stable construction entrance locations and specifications (at all points of Ingress and egress)
    - Construction entrance are proposed as shown on sheet C.6.
  - B4 - Sediment control measures for sheet flow areas
    - The majority of this site is sheet flow.
  - B5 - Sediment control measures for concentrated flow areas
    - All swale and street areas will maintain a concentrated flow. This plan shows the proposed seeding and sequence for these areas along the proposed inlet protection.
  - B6 - Storm sewer inlet protection measures, locations and specifications
    - Inlet protection is shown on this plan. See Details sheets for details and specifications.
  - B7 - Runoff control measures (e.g. diversions, rock check dams, stone drains, etc.)
    - Sediment in run-off water shall be trapped by the use of such methods as debris basins and silt traps until the disturbed area is stabilized.
  - B8 - Storm water outlet protection specifications
    - 20 square yards of 12" hand laid rip rap to be installed at the upstream side of the outlet structure and 15 square yards of 12" hand laid rip rap to be installed on the downstream side of the outlet pipe.
  - B9 - Grade stabilization structures, locations and specifications
    - These items are not proposed within this development
  - B10 - Location, dimensions, specifications, and construction details of each stormwater quality measure
    - All proposed measures are as shown on sheet C.4, details of each measure are shown on sheet C.5.
  - B11 - Temporary surface stabilization methods appropriate for each season (including sequencing)
    - No Temporary seeding is needed.
  - B12 - Permanent surface stabilization specifications (include sequencing)
    - Permanent surface stabilization is as shown on sheet C.6.

- B13 - Material handling and spill prevention plan
  - The potential pollutant sources associated with construction activities for this site would be material used for construction of the site, fuel storage areas, fueling locations, leaking vehicles and equipment, which could be exposed to the soils within the development. The contractor is urged to protect the site and maintain a single storage and fueling area on site. Although fuel leakage will happen, the contractor is urged to maintain this area so that pollutants to the soil is kept to a minimum. All pollutants that could enter the stormwater during construction would be routed through proposed water quality structures.
  - Contractor to clean any spills immediately to protect the soils from pollutants.
- B14 - Monitoring and maintaining guidelines for each proposed stormwater quality measure
  - The contractor/developer has full responsibility of inspecting the erosion control measures on a daily basis. At a minimum, practices need to be inspected weekly, after each storm event, and daily during prolonged storm events. Inspection of practices during a storm event is advantageous because the inspector can easily identify where measures need to be repaired or replaced. Failing practices should be repaired or replaced immediately. See this sheet C.5 and sheet C.9 for details.
- B15 - Erosion & sediment control specifications for individual building lots
  - Builders are to coordinate staging of erosion control as per detail labeled "Construction Sequence of Building Site Erosion Control Practices"
  - Developers and Contractors must meet the design criteria, standards and specifications outlined in the Indiana Handbook for Erosion Control in Developing Areas.

- Stormwater Pollution Prevention Plan - Post Construction Component (Section C)**
- C1 - Description of pollutants and their sources associated with the proposed land use
    - The potential pollutants for this proposed land use are grease, oil, fertilizers, etc.
  - C2 - Sequence describing stormwater quality measure implementation
    - Permanent stabilization (i.e. seeding, erosion control blankets) shall be implemented as construction advances so that pollutants are eliminated. The existing wetlands located in the existing dry detention pond.
  - C3 - Description of proposed post construction stormwater quality measures
    - The wetlands in the existing dry detention will act as the stormwater quality.
  - C4 - Location, dimensions, specifications, and construction details of each stormwater quality measure.
    - All proposed measures are as shown on Sheet C.2
  - C5 - Description of maintenance guidelines for post construction stormwater quality measures
    - Proposed storm water inlets shall be monitored to ensure sediment accumulation does not disrupt proper flow/function. All grass areas to be monitored to ensure a vigorous vegetative growth. All BMP maintenance should be as stated in the BMP Operation and Maintenance Manual.

**NOTE:**

- A SELF-MONITORING PROGRAM THAT INCLUDES THE FOLLOWING MUST BE IMPLEMENTED:
- A) A TRAINED INDIVIDUAL SHALL PERFORM A WRITTEN EVALUATION OF THE PROJECT SITE:
    1. BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH MEASURABLE STORM EVENT; AND
    2. AT A MINIMUM OF ONE (1) TIME PER WEEK.
  - B) THE EVALUATION MUST ADDRESS:
    1. THE MAINTENANCE OF EXISTING STORM WATER QUALITY MEASURES TO ENSURE THEY ARE FUNCTIONING PROPERLY; AND
    2. IDENTIFY ADDITIONAL MEASURES NECESSARY TO REMAIN IN COMPLIANCE WITH ALL APPLICABLE STATUTES AND RULES.
  - C) WRITTEN EVALUATION REPORTS MUST INCLUDE:
    1. THE NAME OF THE INDIVIDUAL PERFORMING THE ACTION;
    2. THE DATE OF THE EVALUATION;
    3. PROBLEMS IDENTIFIED AT THE PROJECT SITE; AND
    4. DETAILS OF CORRECTIVE ACTIONS RECOMMENDED AND COMPLETED.

**TEMPORARY SEEDING DATES**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS												

**PERMANENT SEEDING DATES**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NON-IRRIGATED*												
IRRIGATED												
DORMANT SEEDING**												

IRRIGATION NEEDED DURING THIS PERIOD, TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADDED AREAS, USE MULCH.  
 \* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED.  
 \*\* INCREASE SEEDING RATE BY 50 PERCENT.

**SEEDING LEGEND**

- TEMPORARY SEED: SEE NOTE BELOW FOR AREAS TO BE SEEDED  
 ALL BARE AREAS SCHEDULED TO BE LEFT IDLE FOR 15 DAYS OR MORE MUST BE STABILIZED WITH TEMPORARY SEEDING AND/OR MULCHING  
 ANNUAL RYEGRASS AT 1 LB. PER 1000 SQ. FT.  
 STRAW MULCH AT 2 TONS PER ACRE
- PERMANENT SEED:  
 KENTUCKY BLUEGRASS AT 40 LBS. PER ACRE  
 CREeping RED FESCUE AT 40 LBS. PER ACRE  
 STRAW MULCH AT 2 TONS PER ACRE
- TEMPORARY SEED:  
 ANNUAL RYEGRASS AT 40 LB. PER ACRE  
 SPRING OATS AT 100 LBS. PER ACRE

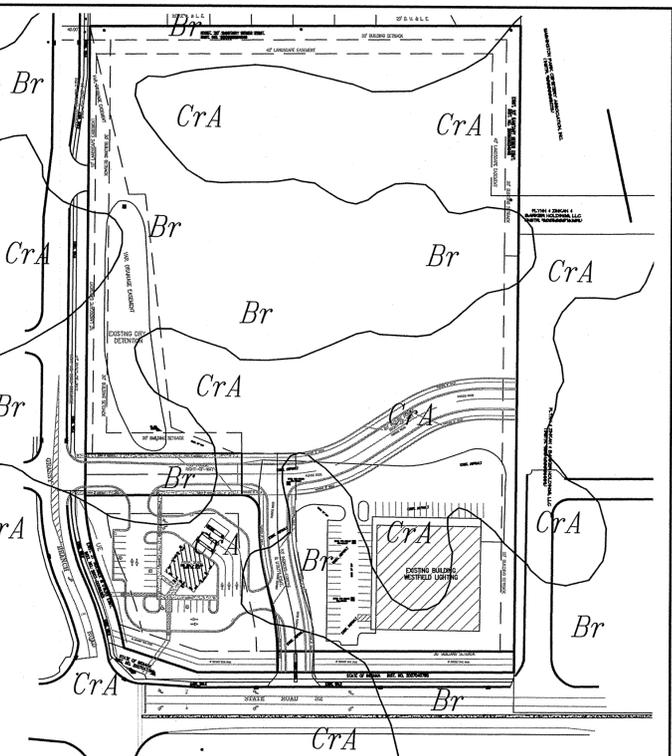
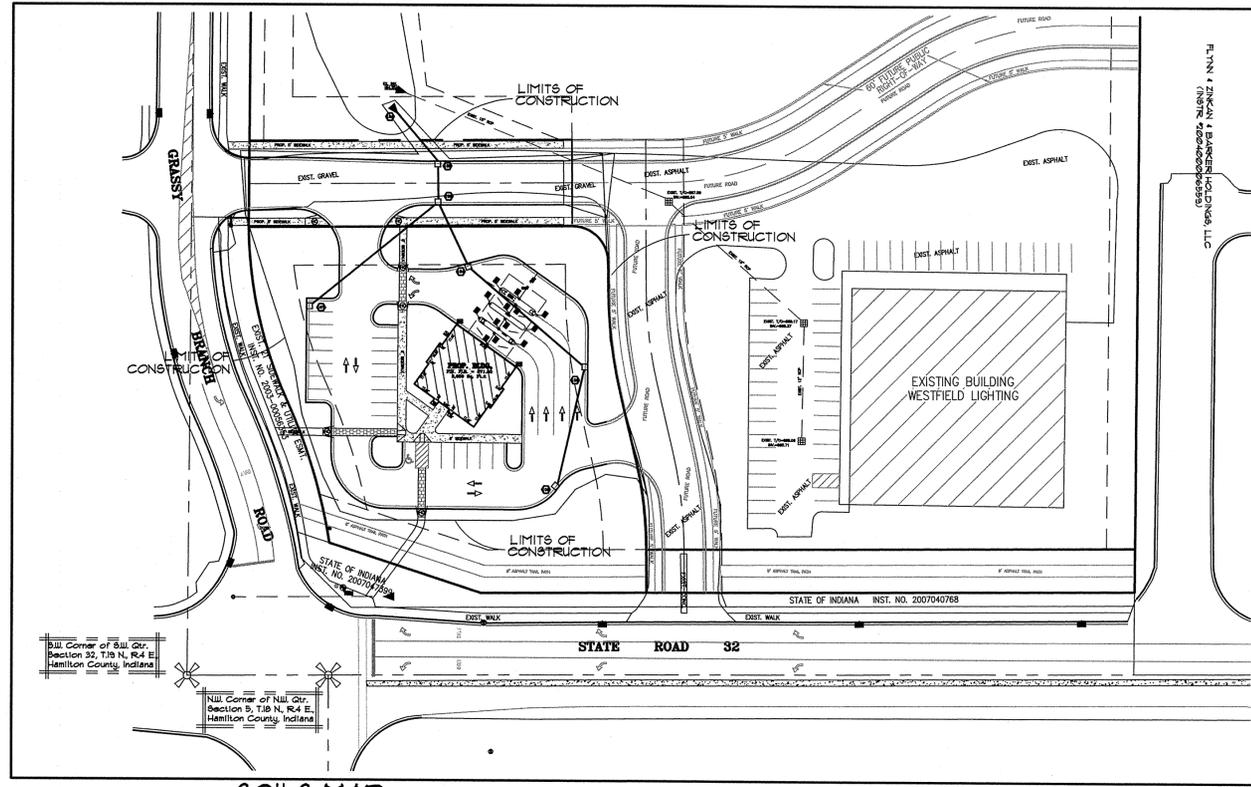
**SEEDING NOTE:**

ALL TEMPORARY SEEDING SHALL BE DONE IN ACCORDANCE WITH SECTION 3.11 OF THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS.  
 ALL PERMANENT SEEDING SHALL BE DONE IN ACCORDANCE WITH SECTION 3.12 OF THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS.

**ADDITIONAL NOTES:**

- THE SILT FENCE AND APPROPRIATE EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION.
- ALL SLOPES EXPOSED DURING CONSTRUCTION SHALL HAVE SC-150 EROSION CONTROL BLANKETS INSTALLED ON THEM.
- ALL SILT FENCE MATERIAL SHALL BE "NOTEC 3 NWS-6 OR APPROVED EQUAL."

ALL EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE INDIANA STORM WATER QUALITY MANUAL - PLANNING AND SPECIFICATION GUIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL AND POST-CONSTRUCTION WATER QUALITY.



**BENCHMARK**  
 INDIANA STATE HIGHWAY COMMISSION DISK 02, MILES EAST OF WESTFIELD ON STATE ROAD 32 AT THE ONE SPAN BRIDGE OVER COOL CREEK, SET IN TOP OF THE NORTHEAST WINGWALL OF THE BRIDGE, 24 FEET NORTH OF THE CENTERLINE OF S.R. 32, 0.5 FEET NORTH OF THE GAUGERAIL, ABOUT LEVEL WITH THE ROAD.  
 ELEVATION : 865.01

**BENCHMARK**  
 MAG NAIL LOCATED IN THE CONCRETE STAND OF THE TRAFFIC POLE LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF GRASSY BRANCH ROAD AND STATE ROAD 32.  
 ELEVATION : 868.47

SCALE: N/A  
 DRAWN BY: AB  
 CHECKED BY: PM  
 COUNTER BY: PAUL MAURER  
 No. 880006  
 STATE OF INDIANA  
 2/20/15

DATE:	REVISION:
2/20/15	PER COMMENTS

PROJECT NAME: **FIRST MERCHANTS BANK**  
 STATE ROAD 32, WESTFIELD  
 SHEET NAME: **EROSION CONTROL PLAN**

**MAURER SURVEYING, INC.**  
 4800 WEST SOUTH VALLEY ROAD, SUITE P, GREENWOOD, IN 46142  
 OFFICE - 317-881-8888 www.maurersurveying.com  
 LAND SURVEYING, LAND DEVELOPMENT & BUILDERS SERVICES

**FIRST MERCHANTS BANK**  
 10833 N. MERIDIAN STREET  
 INDIANAPOLIS, IN 46290

HOLEY MOLEY SAYS, "DON'T DIG BLIND"

**C.7**

DATE: JANUARY 29, 2015

JOB NO.: 1817-C.7

1-800-382-5544  
 1-800-428-5200  
 FOR CALLS OUTSIDE OF INDIANA

**UTILITY STATEMENT:**  
 THE EXISTING UNDERGROUND UTILITIES SHOW HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND/OR EXISTING DRAWINGS. MAURER SURVEYING, INC. (M) MAKES NO GUARANTEE THAT THE UTILITY INFORMATION SHOWN EMPRISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. MAURER SURVEYING, INC. FURTHER STATES THAT THE UNDERGROUND UTILITY DATA SHOWN DOES NOT INDICATE PRECISE LOCATIONS.

THIS DRAWING/COMPUTER FILE IS THE PROPERTY OF MAURER SURVEYING, INC. (M). ANY REPRODUCTION OR REUSE OF THIS DOCUMENT FOR ANY PURPOSE OTHER THAN THE PROJECT FOR WHICH IT WAS ORIGINALLY INTENDED, WITHOUT PERMISSION FROM (M), BY ITS USE AGREES TO INDEMNIFY AND HOLD HARMLESS (M) FROM ANY LOSS, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES, OCCURRING FROM THIS USE.



**SITE WORK GENERAL NOTES AND SPECIFICATIONS**

GENERAL: WHEREVER A CONFLICT OR DEFICIENCY OCCURS BETWEEN THE CONSTRUCTION STANDARDS AND SPECIFICATIONS ADOPTED BY THE CITY OF WESTFIELD, THE HIGHER OR MORE RESTRICTIVE STANDARD OR SPECIFICATION SHALL APPLY.

**A. NOTICES AND PERMITS**

- The contractor shall be responsible for obtaining or verifying that all permits and approvals are obtained from the respective city, county and state agencies prior to starting construction.
- It shall be the Contractor's responsibility to determine the exact location of all existing utilities in the vicinity of the construction area prior to starting construction.
- It shall be the Contractor's responsibility for notification and coordination of all construction with the respective utility companies.
- It shall be the responsibility of the Developer and Contractor to maintain quality control throughout the project; failure to do so may result in removal and replacement of the defective work. It is recommended that the Developer have a qualified inspector on the job site at all times during construction.
- It is essential that the work to be done in conjunction with this project shall be installed according to these specifications. The Engineer will be required to certify to certain portions of this project upon completion. Therefore, it is necessary to obtain approval and acceptance by the City of Westfield that construction was done in compliance with these plans and specifications.

**B. CLEARING AND GRUBBING**

- Clearing and grubbing shall consist of cutting, removal and satisfactory disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated) and other material on the project site and within the boundary as shown on the Construction Documents and/or as designated by "Construction Limits".
- Special care shall be taken to insure that the trees to be left remaining in the project area shall not receive limb, bark or root injuries. When such injuries occur, all rough edges of scarred areas shall be removed in accordance with accepted horticultural practice and the scars coated thoroughly with an asphaltum base tree paint.
- All "unsuitable material" from clearing operations stated in Item B-1 shall be removed to disposal area(s) off of the project site; unless a "Bury Pit" shall be utilized in an area where the pit will be beneath building areas and/or pavement areas and shall not be located in an area where storm drainage structures shall be located or where impoundment of surface drainage may occur.
- Materials shall not be disposed of by burning unless approved by the local Fire Marshal.

**C. TREE REMOVAL AND PROTECTION**

- Trees shall be removed from the project site only where the area is to be occupied by road and surface areas in accordance with specifications of City of Westfield.
- Trees shall be removed from the project site as directed by the Developer and so designated.
- Trees shall be removed from the project site where they interfere directly with the placement of storm or sanitary sewers and that such excavation is or will be fatal to such adjacent trees.
- The Contractor shall endeavor to save and protect trees of value and worth which do not impair construction of improvements as designated. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measures to be taken, if any, to preserve such trees.
- The Contractor shall be responsible for determining the method for protection of tops, trunks and roots of existing trees on the project site that are to remain. Existing trees subject to construction damage shall be boxed, fenced or otherwise protected before any adjacent work is started. Earth or material and equipment shall not be stockpiled or stored within the spread of branches. Branches which need to be removed or are broken shall be neatly trimmed and scars shall be covered with tree paint.

**D. STRIPPING OF TOPSOIL**

- The Contractor shall verify that all topsoil has been removed in the areas to be occupied by road, walks and designated building areas. Topsoil shall be removed to a depth of six (6) inches or deeper, if necessary, to remove vegetable matter where required.
- Topsoil shall be kept separated from suitable fill materials and shall not be used as fill under pavement and/or building areas.
- Topsoil shall be stored at a location where it does not interfere with construction operations. Excess topsoil shall be used for finish grading on site of drainage swales, yards of new residences, buffer strips, etc.
- Topsoil shall be reasonably free from subsoil debris and stones.

**E. GRADING**

- The Contractor shall perform all grading operations to bring subgrades, after final compaction, to the required grades and sections for site improvement.
- Subgrade shall be proofrolled with suitable equipment and all spongy and otherwise unsuitable material shall be removed and replaced with suitable material.
- Subgrade shall be prepared in compliance with IN D.O.T. standard specifications and as per City of Westfield Subdivision Control and Land Development ordinance.
- See ROAD CONSTRUCTION
- All fill material shall be formed from soil free of deleterious material. Prior to placement of fill a sample of the proposed fill material should be submitted to the Soils Engineer for his approval.
- All fill material in areas outside building and pavement areas shall be compacted lightly and protected from erosion by one or more of the methods of Item G. Areas where building and pavement construction is feasible shall not have unsuitable material placed in that location and fill shall be compacted to 95% Standard Proctor or better. These areas shall be determined by the Developer's representative.
- All embankment construction shall be prepared in compliance with IN D.O.T. Standard Specifications, version 2004 or latest edition.

**F. STANDARD SEWER CONSTRUCTION**

- Current City of Westfield, County and State specifications shall prevail as to materials and methods of construction.
- The Contractor shall be responsible for obtaining or verifying all permits for all or portions of this project to starting construction.
- Sanitary sewers shall be installed in accordance with the Indiana Department of Environmental Management.
- All sanitary sewers deeper than 15 feet shall be classed as A.S.T.M.-2241 S.D.R. 26 heavy wall pipe. All sanitary sewers less than 15 feet deep and 15 inches or less in diameter shall be classed as A.S.T.M.-D3034 S.D.R. 35 poly-vinyl chloride pipe. All sanitary sewers 18 inches or greater in diameter shall conform to A.S.T.M. F-679 requirements. All sanitary fittings shall be classed as heavy wall S.D.R. 26. Contractor shall review plan and profiles and verify depth in order to accurately order the appropriate pipe type for each application. Sanitary sewers located under surface water bodies shall be constructed with DIP or constructed of PVC having a SDR ratio of 21 and in conformance with ASTM D2241.
- Sanitary manholes shall be precast concrete in accordance with A.S.T.M. C-478.
- Castings shall be of type and kind as shown on the detail sheet.
- Plastic sanitary sewers shall be marked for easy identification.
- Water and sewer line crossings and separations shall be in accordance with the Indiana Department of Environmental Management (IDEM) and IAC 327-3-Rule 6.
  - Where water lines and sewer lines cross a minimum of 18" clearance is required, the sewer line shall be constructed of waterworks grade cast iron pipe with mechanical joints.
  - Where water lines and sanitary sewer lines run parallel with one another, a minimum of 10' horizontal separation shall be maintained.
- All future sewer installation, either connected to or extended from this system, shall be constructed in accordance with these specifications.
- No roof drains, footing drains, and/or surface water drains may be connected to the sanitary sewer system, including temporary connections during construction.
- Buildings shall be serviced by a 6" minimum sanitary sewer lateral. The sewer laterals' terminations shall be indicated on the surface with a metal fence post set immediately above said termination point. The ends shall be plugged and sealed with a water tight clay or plastic disc. Wyes are to be filled up to 45 degrees from the horizontal, with suitable fittings for all changes in direction.
- The Contractor shall provide Maurer Surveying, Inc. with "as-built" locations and information for all sanitary sewers and laterals including elevations.
- Manhole sections shall have "O" rings, mastic in bulk, or rubber type gaskets which shall meet A.S.T.M. C-433.
- Manhole waterstops shall be installed at all connections to manholes, where flexible type manhole connections are not used.
- All precast manholes shall be bedded on a granular foundation as shown in the details. All PVC pipe shall be bedded in #5, 7, 8 or 9 granular backfill.
- The Contractor shall remove by pumping or other suitable methods any water which may accumulate in trenches.
- TESTING: The Contractor shall be responsible for all tests for leakage, infiltration and deflection as established by the City of Indianapolis and the Indiana Department of Environmental Management (IDEM) and IAC 327 - 3 Rule 6. Leakage and Deflection Test Limits are 200 GPD/in-mile and 5% maximum deflection. Any portions not passing said tests for acceptance shall be repaired or replaced at the Contractor's expense, including re-excavation and backfill. All testing shall be observed by a Professional Engineer for certification. Manholes shall be air tested in accordance with ASTM C1244-93, Standard Test Method for Concrete Sewer Manholes by Negative Air Pressure (Vacuum) Test.
- Pipe shall be laid in open trenches, except when conditions require and the appropriate approving agencies given written permission for tunneling or jacking of pipe.
- Trench shall be opened sufficiently ahead of pipe laying to reveal obstructions and shall be properly protected and/or barricaded when left unattended.
- Trenches shall be sheeted and braced as necessary to protect workmen and adjacent structures. All trenching shall be done in accordance with O.S.H.A. standards to protect workmen.
- Manhole invert flow channels shall be U-shaped with concrete and smoothly finished with the benchwalls extending to the crown of the incoming and outgoing pipes. Benchwalls shall be sloped at a minimum of 2% upward to the manhole walls. Changes in size and grade shall be made by smooth true curves for all connecting sewers at each manhole.
- Granular backfill shall be required under all pavement areas and within 5' of the edge of pavement. (see Section J).
- The Contractor is responsible for ensuring that safe working conditions exist and safety procedures are being followed at the Work site, and shall maintain a trench safety system in compliance with OSHA Part 1926 of the Code of Federal Regulations. The Utilities Department's, Engineer's or any other inspector is NOT responsible for policing the Contractor's safety program. If, in the course of routine inspection, an unsafe condition is noted, the inspector will notify the Contractor of this condition and report it to the Engineer. If the condition continues to exist, the inspector shall again notify the Engineer, document the unsafe condition in writing and through a photograph, and leave the jobsite. The Engineer will contact OSHA and request that they dispatch an inspector immediately.
- Wherever any Sanitary Sewers constructed in this section connect to any existing Sanitary Sewers, the existing manhole or sewer shall be plugged to prevent any debris, or surface water from entering the existing system. The plug shall remain in place during the entire construction period.
- City of Westfield shall be notified in advance of all sanitary sewer testing.

**G. EROSION PROTECTION DURING CONSTRUCTION**

- The Contractor shall provide adequate erosion protection measure during construction such as, but not limited to:
  - Siltation basins
  - Silt traps
  - Straw bale dams
  - Soil cement
  - Mulch and seeding
  - Soil stabilization fabric
  - Jute netting
- Details and placement specifications for the above items are available on request from the Engineer.
- See "Erosion Control Plan" and Details for more erosion control measures.

**H. STORM SEWER CONNECTION**

- Storm sewer structures shall comply with current specifications of the City, County and all agencies in respect to design and quality of construction.
- All storm sewer construction inside public right-of-way, either existing or to be dedicated, shall be in accordance with IN D.O.T. Standard Specifications, 2004 Edition.
- Where reinforced concrete pipe is shown on the construction plans, it shall be in accordance with A.S.T.M. C-76 Class III Wall "B" unless otherwise specified on the plans. All concrete pipes must have O-Ring joints.
- Where corrugated metal pipe is shown on the construction plans, it shall be 14 gauge unless otherwise specified and shall have the connecting bands and seals as specified by the manufacturer. C.M.P. may be either aluminum pipe or zinc coated steel sheets in accordance with A.S.T.M. A-444.
- Manholes, catchbasins and inlets will be poured in place or precast concrete. If the contractor elects to use precast structures, he shall submit shop drawings to the engineer prior to construction.
- Precast concrete and steel for manholes and inlets shall be in accordance with A.S.T.M. C-478.
- Castings shall be as shown on the detail sheet(s) for manufacturer, type and model number.

**I. UTILITIES**

- Electric and Telephone:
  - Conduit shall be required for all crossings under pavement areas.
  - Granular backfill shall be required for all crossings under pavement areas.
  - Concrete pads for electric and telephone transformers shall be set at the approximate ground grade as shown on the Site Development Grading Plans for the respective locations.
  - The Contractor shall be responsible for coordinating with each utility their installation of any lines or conduits or any other equipment required in the project. The utilities shall be notified prior to the placement of pavement a minimum of 48 hours so that they might install any crossings.

**J. GRANULAR BACKFILL**

Shall be in accordance with IN D.O.T. Standard Specifications. The material shall be Compacted Aggregate No. 53 under or within 5 feet of all pavement per City of Indianapolis.

**K. PAVEMENT CONSTRUCTION**

- All street construction shall be in accordance with the plans and specifications and conform to the minimum standards of IN D.O.T. Standard Specifications, 2004 or latest Edition.
  - Concrete shall be 6 bag, Class "A" (minimum 4000 psi after curing, 5% to 7% air entrainment and curing compound required.
  - See details for bituminous pavement section.
- Subgrade shall be prepared in compliance with IN D.O.T. standard specifications. No traffic shall be permitted on the prepared subgrade prior to paving.
- Backfilling of utility trenches with granular material under pavement areas is required and shall be compacted to 95% Standard Proctor. (See Section J).

**L. CONCRETE CURB AND WALKS**

- See detail sheet for type and details.
- Concrete shall be ready mixed Portland cement conforming to A.S.T.M. C-150 and water. Aggregate shall conform to A.S.T.M. C-33. Concrete shall be 6 bag Class "A" with compressive strength of concrete at 28 days being minimum 4000 p.s.i. Where required, reinforcement shall be welded steel wire fabric conforming to A.S.T.M. A-185. 5% to 7% air entrainment and curing compound required.
- Application
  - Place concrete only on a moist, compacted subgrade or base free from loose material. Place no concrete on muddy or frozen subgrade.
  - Concrete shall be deposited so as to require as little rehandling as practicable. When concrete is to be placed at an atmospheric temperature of 35 degrees F or less, IN D.O.T. Specifications, 2004 or latest Edition shall apply.
  - Except as otherwise specified, cure all concrete by one of the methods described in IN D.O.T. Specifications, 2004 or latest Edition.

**M. FINISH GRADING AND SEEDING**

- Over the approved rough grade (see Section E), spread 4" minimum of topsoil or approved fill to such depth as will finish to the required finish grades and contours after rolling and natural settlement. New grades shall slope uniformly between levels established on the plans and intersections of new grades with existing grades shall be uniform and smooth.
- Fertilizer and agricultural limestone shall be spread uniformly over the area to be seeded. They shall be mixed into the top 2" of soil with a disk harrow, rotary tiller or other approved equipment. Fertilizer shall be spread at the rate of 800 pounds per acre and agricultural limestone at the rate of 1/2 ton per acre unless otherwise specified.

SCALE: N/A  
 DRAWN BY: AB  
 CHECKED BY: PM  
 DESIGNED BY: MAURER  
 MAURER SURVEYING, INC.  
 4600 W. SMITH VALLEY ROAD, STE P, GREENWOOD, INDIANA 46142  
 OFFICE - 317-861-2998  
 LAND SURVEYING, LAND DEVELOPMENT & BUILDERS SERVICES

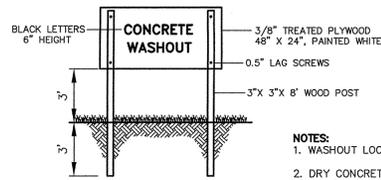
NO.	DATE	REVISION

PROJECT NAME:  
**FIRST MERCHANTS BANK**  
 STATE ROAD 32, WESTFIELD  
 SHEET NAME:  
**GENERAL SPECIFICATIONS**

**MAURER SURVEYING, INC.**  
 4600 W. SMITH VALLEY ROAD, STE P, GREENWOOD, INDIANA 46142  
 OFFICE - 317-861-2998  
 LAND SURVEYING, LAND DEVELOPMENT & BUILDERS SERVICES

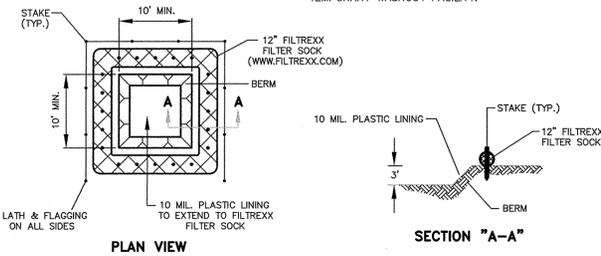
**FIRST MERCHANTS BANK**  
 10383 N. MERIDIAN STREET  
 INDIANAPOLIS, IN 46290

SHEET  
**C.9**  
 DATE  
 JANUARY 29, 2015  
 JOB NO.  
 1817-C.9

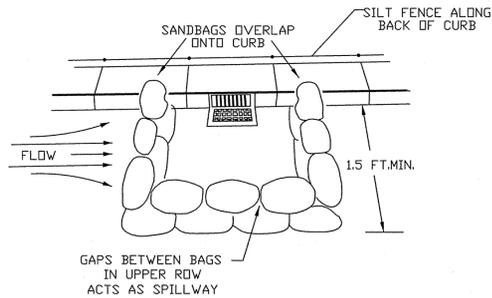


- NOTES:**
1. WASHOUT LOCATION SHOWN ON THIS SHEET.
  2. DRY CONCRETE TO BE REMOVED FROM SITE PERIODICALLY AND DISPOSED OF BY APPROVED METHODS.
  3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY WASHOUT FACILITY.

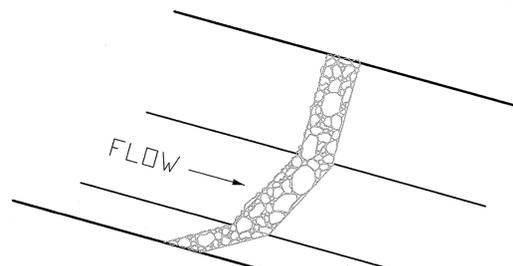
**CONCRETE WASHOUT SIGN**



**CONCRETE WASHOUT AREA**



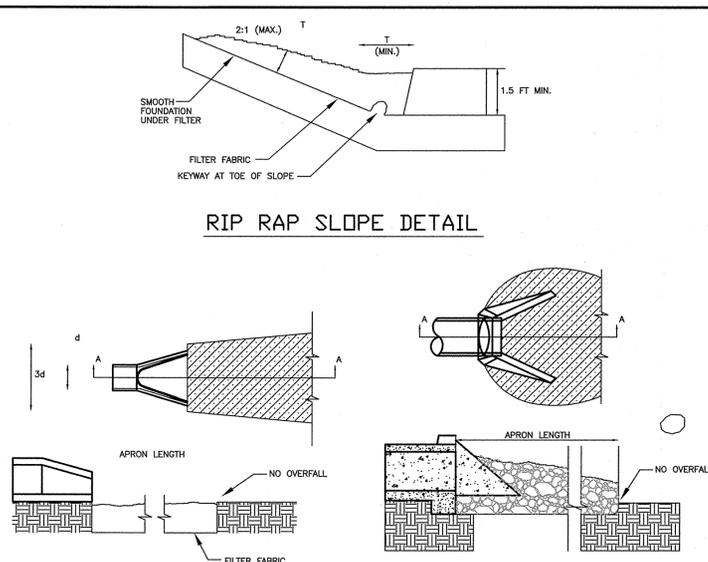
**SANDBAG PROTECTION DETAIL @ CURB INLET**



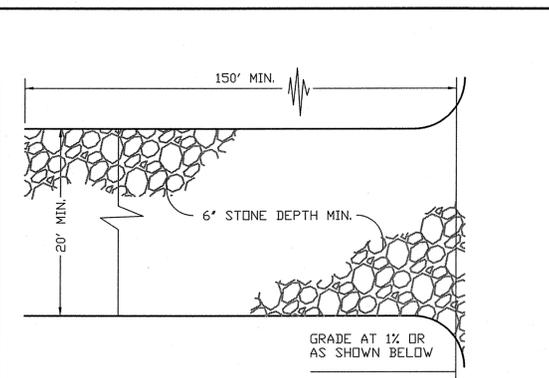
**RIP RAP SLOPE DETAIL**

**NOTE:**  
RIP-RAP SHALL BE PLACED AND MAINTAINED IN SWALE SO TO PREVENT SILT AND DEBRIS FROM ENTERING INTO DOWNSTREAM DRAINAGE FACILITIES DURING CONSTRUCTION. IT SHALL REMAIN IN PLACE UNTIL ADEQUATE VEGETATION IS ACHIEVED WITHIN THE SITE.

**RIP RAP BARRIER EROSION CONTROL DETAILS**



**RIP RAP OUTLET DETAILS**



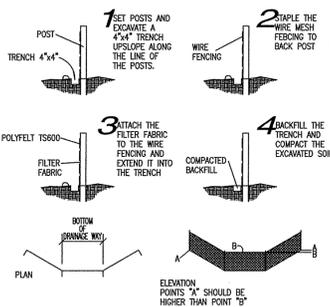
**PLAN VIEW**

1. STONE SIZE SHALL CONFORM TO ASTM D48 SIZE #1 (2" TO 3" DIA.)
2. PERIODIC STONE TOP DRESSING & WASHING AS REQUIRED.

**TEMPORARY CONSTRUCTION ENTRANCE DETAIL**

**SILT FENCE FABRIC SPECIFICATIONS**  
POLYFELT T5600 OR EQUIVALENT

PROPERTY	TEST PROCEDURE	UNIT	VALUE
GRAB TENSILE	ASTM D4632	POUNDS	165
GRAB ELONGATION	ASTM D4632	PERCENT	>50
PUNCTURE	ASTM D4633	POUNDS	90
TRAPEZOIDAL TEAR	ASTM D4533	POUNDS	75
MULLEN BURST	ASTM D5786	PSI	255
WATER FLOW RATE	ASTM D4491	gpm/ft <sup>2</sup>	170
PERMITIVITY	ASTM D4491	SEC	2.0
PERMEABILITY, K A.O.S.	ASTM D4491	CM/SEC	0.4
	ASTM D4751	Slieve Size	100-60
	ASTM D4751	MM	0.15-0.25
FABRIC WEIGHT	ASTM D3776	oz/ft <sup>2</sup>	6.0
THICKNESS	ASTM D1777	M	80
UV RESISTANCE (500 HOURS)	ASTM D4355	PERCENT STRENGTH RETAINED	>80



**FILTER FENCE INSTALLATION DETAIL**

**STEP 1. EVALUATE THE SITE.**

Before construction, evaluate the entire site, marking for protection any important trees and associated rooting zones, unique areas to be preserved, on-site septic system absorption fields, and vegetation suitable for filter strips, especially in perimeter areas.

**Identify Vegetation To Be Saved.**  
-Select and identify the trees, shrubs, and other vegetation that you want to save (see "Vegetative Filter Strips" under Step 2 below).

**Protect Trees and Sensitive Areas.**  
-To prevent root damage, do not grade, burn, place soil piles, or park vehicles near trees or in areas marked for preservation.  
-Place plastic mesh or snow fence barriers around the tree's drip line to protect the area below their branches.  
-Place a physical barrier, such as plastic fencing, around the area designated for a septic system absorption field (if applicable).

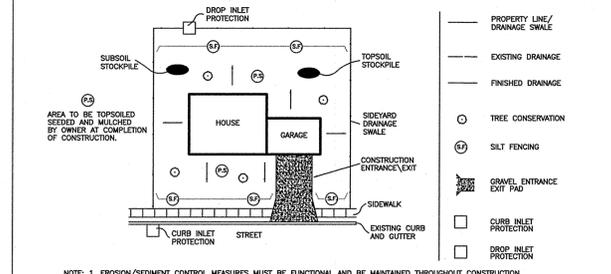
**STEP 2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS.**

Identify the areas where sediment-laden runoff could leave the construction site, and install perimeter controls to minimize the potential for off-site sedimentation. It's important that perimeter controls are in place before any other earth-moving activities begin.

**Protect Down-Slope Areas.**  
-With Vegetation Filter Strips:  
-On slopes of less than 6 percent, preserve a 20 to 30 foot wide vegetative buffer strip around the perimeter of the property, and use it as a filter strip for trapping sediment.  
-Do not mow filter strip vegetation shorter than 4 inches.  
-Use silt fencing along the perimeter of the lot's downslope side(s) to trap sediment (see Exhibit #3).

**Install Gravel Drive.**  
-Restrict all lot access to this drive to prevent vehicles from tracking mud onto roadways (see Exhibit #4).  
**Protect Storm Sewer Inlets.**  
-Protect nearby storm sewer drop inlets with stone-filled or gravel-filled geotextile bags (see Exhibit #1) or equivalent measures before disturbing soil.  
-Protect nearby storm sewer curb inlets with stone-filled or material (see Exhibit #2), straw bales, or equivalent measures before disturbing soil.

**CONSTRUCTION SEQUENCE FOR BUILDING SITE EROSION CONTROL PRACTICES**



**SAMPLE EROSION/SEDIMENT CONTROL PRACTICE PLAN FOR A TYPICAL ONE-OR TWO-FAMILY DWELLING UNDER CONSTRUCTION**

- STEP #3. PREPARE THE SITE FOR CONSTRUCTION.**  
Prepare the site for construction and for installation of utilities. Make sure all contractors (especially the excavating contractor) are aware of areas to be protected.  
**Salvage and Stockpile the Topsoil/Subsoil.**  
-Remove topsoil (typically the upper 4 to 6 inches of soil material) and stockpile.  
-Remove subsoil and stockpile separately from the topsoil.  
-Locate the stockpile away from any downslope street, driveway, stream, lake, wetland, ditch, or drainage way.  
-Immediately after stockpiling, temporary-seed the stockpiles with annual rye or winter wheat and/or place sediment barriers around the perimeter of the piles.
- STEP #4. BUILD THE STRUCTURE(S) AND INSTALL THE UTILITIES.**  
Construct the home and install the utilities; also install the sewage disposal system and drill the water well (if applicable); then consider the following:  
**Install Downspout Extenders.**  
-Although not required, downspout extenders are highly recommended as a means of preventing lot erosion from roof runoff.  
-Add the extenders as soon as the gutters and downspouts are installed (see Exhibit #5).  
-Be sure the extenders have a stable outlet, such as the street, sidewalk, or a well vegetated area.
- STEP #5. MAINTAIN THE CONTROL PRACTICES.**  
Maintain all erosion and sediment control practices until construction is completed and the lot is stabilized.  
-Inspect the control practices a minimum of twice a week and after each storm event, making any needed repairs immediately.  
-Toward the end of each work day, sweep or scrape up any soil tracked onto roadways. Do not flush areas with water.  
-By the end of the next work day after a storm event, clean up any soil washed off-site.
- STEP #6. REVEGETATE THE BUILDING SITE.**  
Immediately after all outside construction activities are completed, stabilize the lot with sod, seed, and/or mulch.  
**Redistribute the Stockpiled Subsoil and Topsoil.**  
-Spread the stockpiled subsoil to rough grade.  
-Spread the stockpiled topsoil to a depth of 4 to 6 inches over rough-graded areas.  
-Fertilize and lime according to soil test results of recommendations of a seed supplier of a professional landscaping contractor.  
**Seed of Sod Bare Areas.**  
-Contact local seed suppliers of professional landscaping contractors for recommended seeding mixtures and rates.  
-Follow recommendations of a professional landscaping contractor for installation of sod.  
-Water newly seeded/sodded areas everyday or two to keep the soil moist. Less watering is needed once grass is 2 inches tall.  
**Mulch Newly Seeded Areas.**  
-Spread straw mulch on newly seeded areas, using 1 1/2 to 2 bales of straw per 1,000 square feet.  
-On flat or gently sloping land, anchor the mulch by crimping it 2 to 4 inches into the soil. On steep slopes, anchor the mulch with netting or tackifiers. An alternative to anchored mulch would be the use of erosion control blankets.  
**STEP #7. REMOVE REMAINING TEMPORARY CONTROL MEASURES.**  
Once the sod and/or vegetation is well established, remove any remaining temporary erosion and sediment control practices, such as:  
-Downspout extenders. (Or shorten to outlet onto the vegetated areas, allowing for maximum infiltration).  
-Storm sewer inlet protection measures.

SCALE: NA  
DRAWN BY: FM  
CHECKED BY: FM  
DATE: 1/29/15

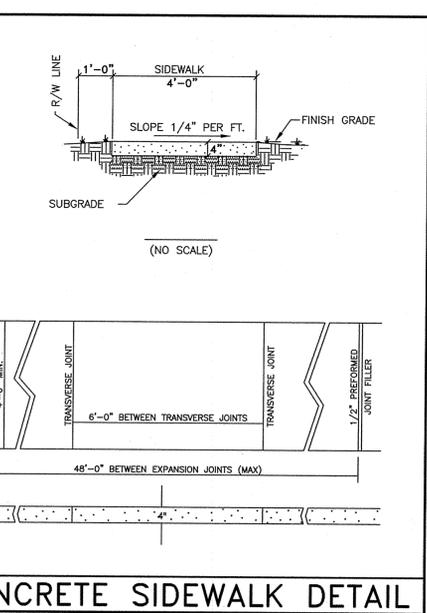
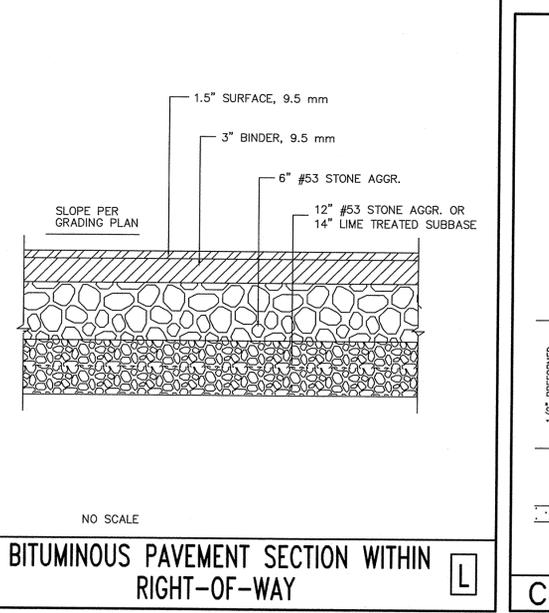
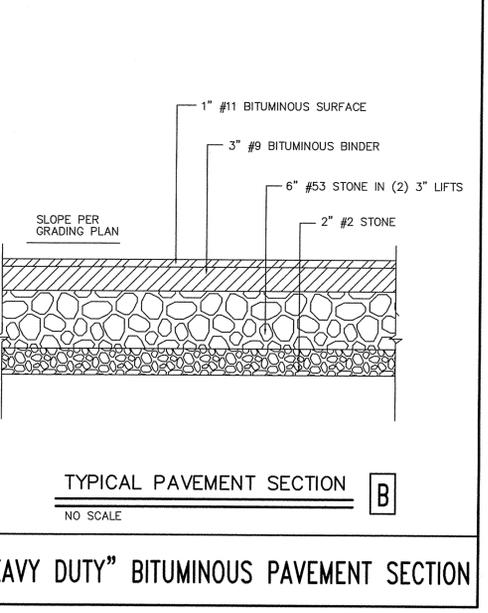
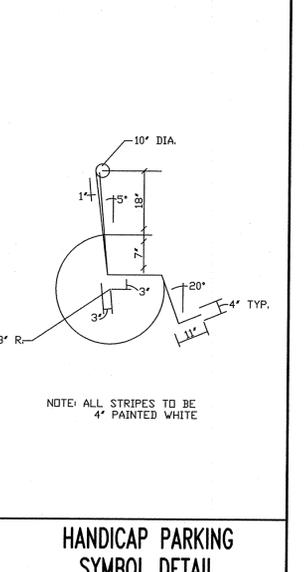
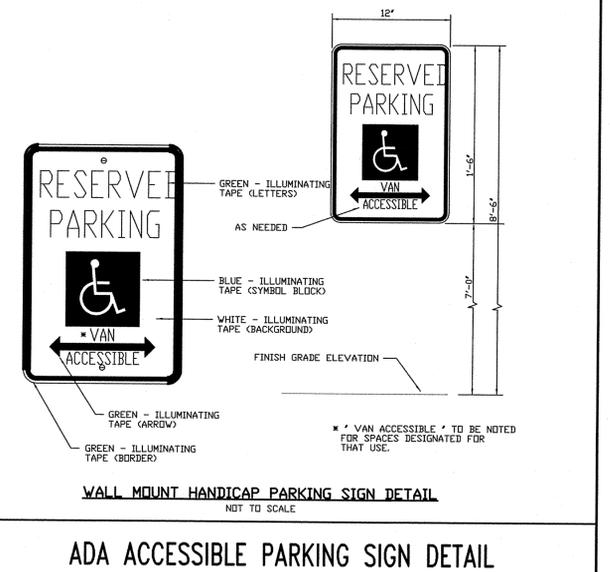
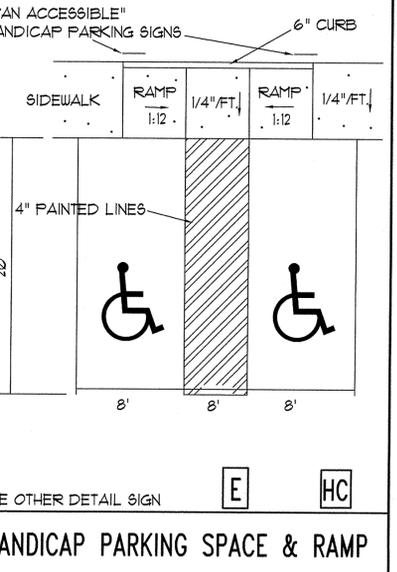
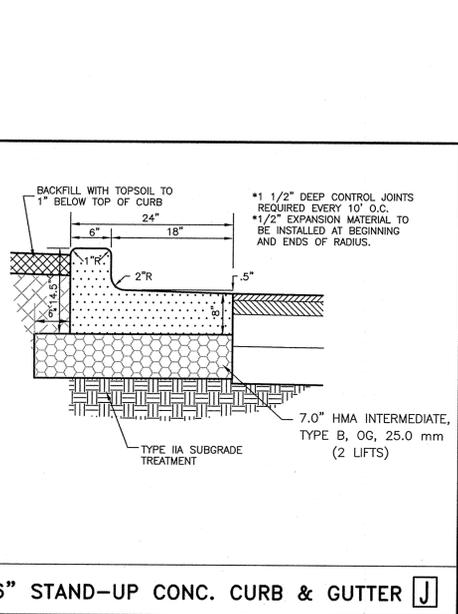
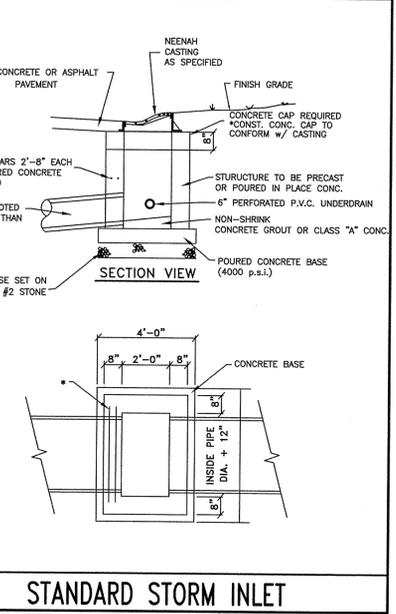
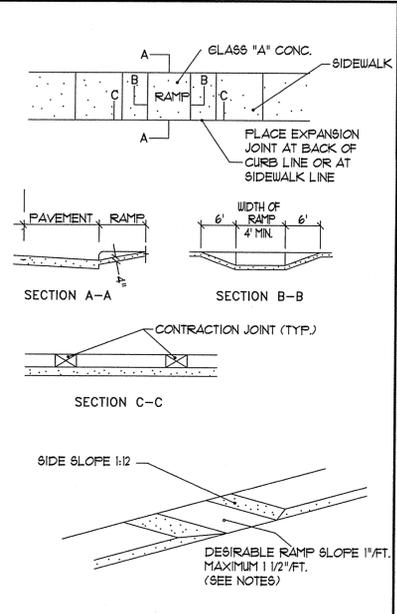
PROJECT NAME: FIRST MERCHANTS BANK  
STATE ROAD 32, WESTFIELD  
SHEET NO.: 10333 N. MERIDIAN STREET INDIANAPOLIS, IN 46290

MAURER SURVEYING, INC.  
4600 WEST SMITH VALLEY ROAD, STE. P GREENWOOD, IN 46142  
OFFICE: 317-841-3888  
LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES

PROJECT NAME: FIRST MERCHANTS BANK  
STATE ROAD 32, WESTFIELD  
SHEET NO.: 10333 N. MERIDIAN STREET INDIANAPOLIS, IN 46290

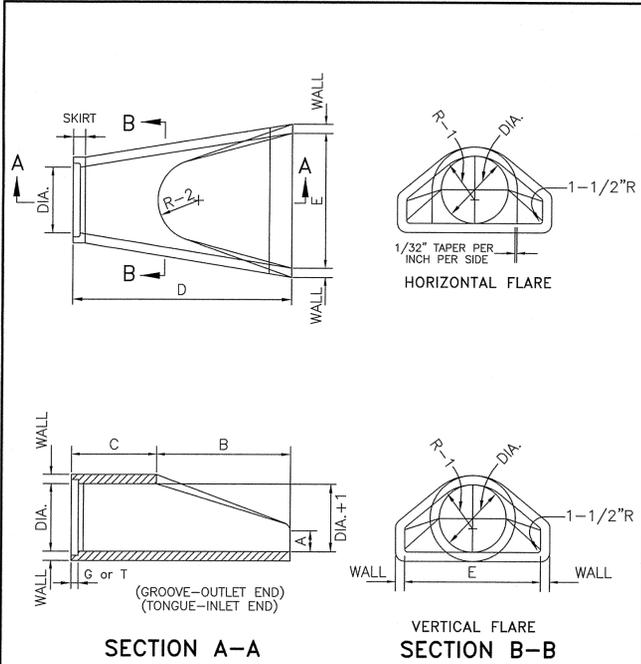
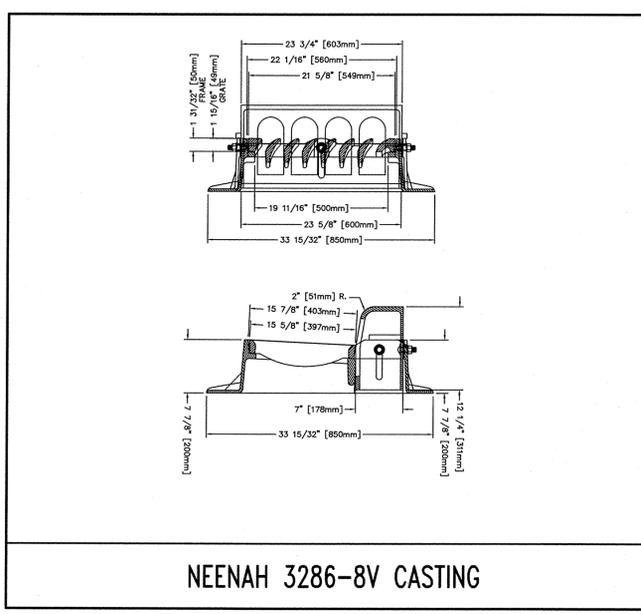
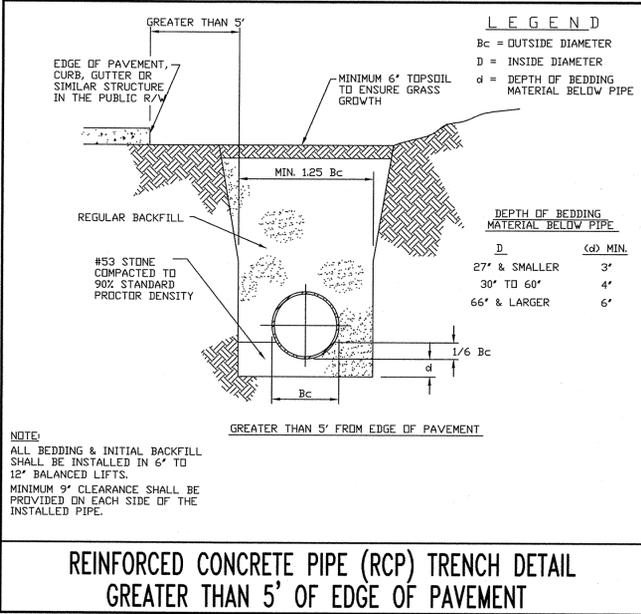
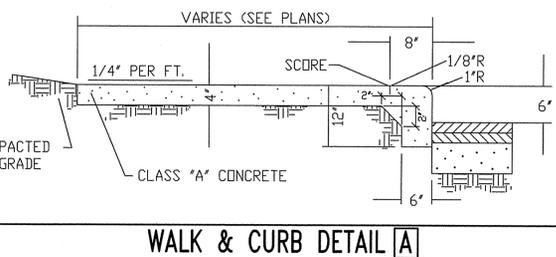
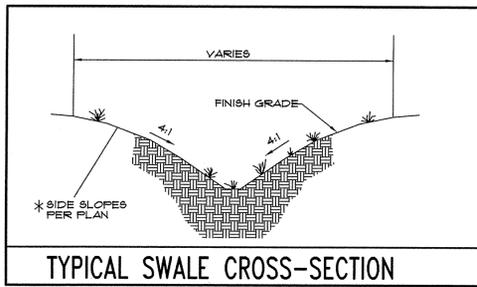
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SHEET: C.10  
DATE: JANUARY 29, 2015  
JOB NO.:  
1817-C.10



17915

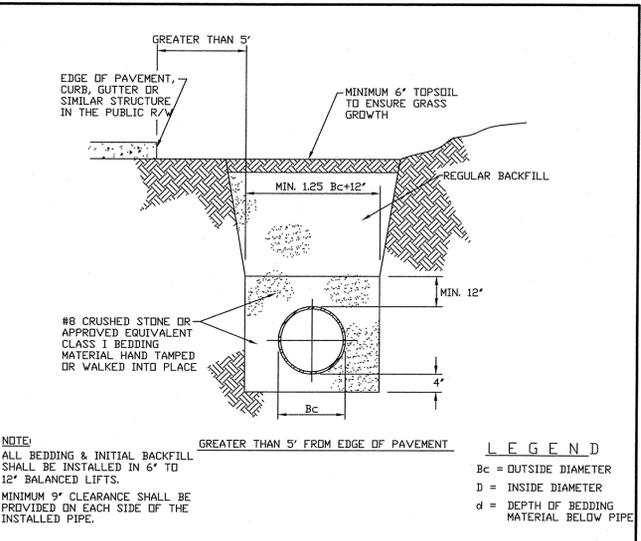
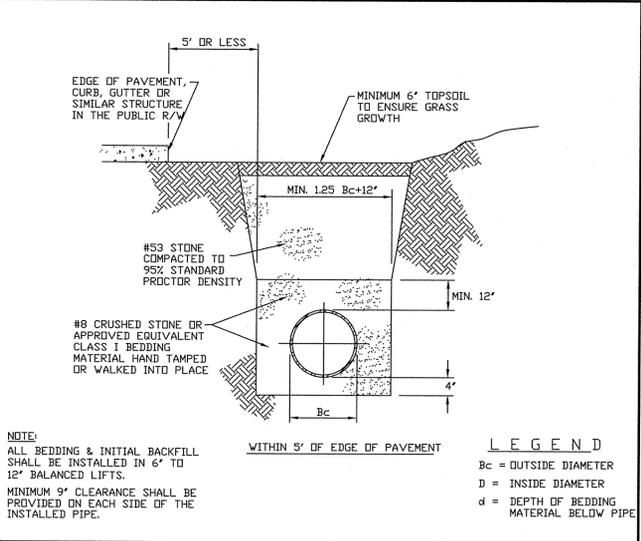
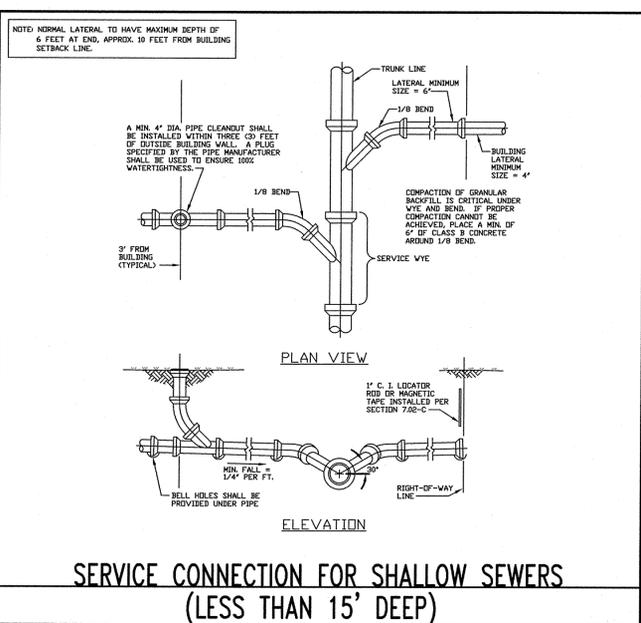
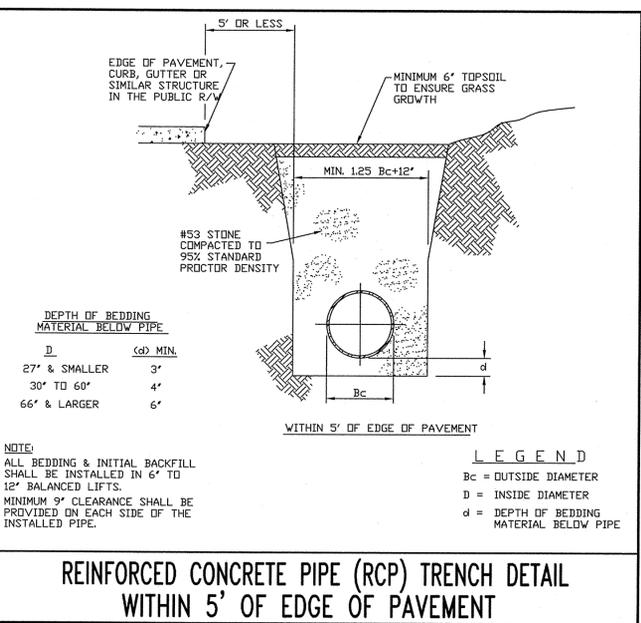
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PROJECT NAME:	FIRST MERCHANTS BANK STATE ROAD 32, WESTFIELD										
SHEET NAME:	GENERAL DETAILS										
PROJECT NAME:	FIRST MERCHANTS BANK, INC.										
ADDRESS:	4800 WEST SMITH VALLEY ROAD, STE P, GREENWOOD, IN 46142										
PHONE:	OFFICE - 317-881-3898 www.MaurerSurveying.com										
BUSINESS:	LAND SURVEYING, LAND DEVELOPMENT & BUILDER'S SERVICES										
ADDRESS:	10833 N. MERIDIAN STREET INDIANAPOLIS, IN 46290										
SHEET:	C.11										
DATE:	JANUARY 29, 2015										
JOB NO.:	1817-11										



DIA.	WALL	C or T	WT. SEC.	A	B	C	D	E	DIA.+1	R-1	R-2	SKIRT
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21	2 3/4	2 1/4	1280	9	35	38	73	42	22	16 1/8	13	4
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NOTES:  
1. MANUFACTURE OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76.

PRECAST CONCRETE FLARED HEADWALLS



SCALE: NA  
DRAWN BY: FM  
CHECKED BY: FM  
CREATED BY: PAUL MAURER

880006

PROJECT NAME: FIRST MERCHANTS BANK  
STATE ROAD 32, WESTFIELD  
GENERAL DETAILS

MAURER SURVEYING, INC.  
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SHEET  
**C.12**  
DATE: JANUARY 29, 2015  
JOB NO.: 1817-C.12