

ADDENDUM NO. 02

DATE: July 25, 2024

PROJECT: Goshen Public Library
601 S. 5th St.
Goshen, IN 46526

PROJECT NUMBER (RATIO): 21730.002

OWNER:

Goshen Public Library
601 S. 5th St.
Goshen, IN 46526
Phone: (574) 533-9531

ARCHITECT:

RATIO Architects, LLC.
101 S. Pennsylvania St.
Indianapolis, IN 46204
Phone: (317) 275-6693

CIVIL ENGINEER:

ForeSight Consulting, LLC
1910 St. Joe Center Rd., STE 51
Fort Wayne, IN 46825
Phone: (260) 484-9900

STRUCTURAL ENGINEER:

CE Solutions
8770 North St. #100
Fishers, IN 46038
Phone: (317) 818-1912

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER:

KBSO Consulting, LLC
275 Veterans Wy, Suite 300
Carmel, IN 46032
Phone: (317) 344-8044



William A. Browne, Jr. (or other)

This Addendum is issued in accordance with the provisions of Contract Documents and becomes a part of the Contract Documents as provided therein. The information contained herein modifies the original Bidding Documents dated **June 27, 2024** and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect except as modified by this Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

PART 1 – GENERAL CLARIFICATIONS

1. N/A (not applicable)

PART 2 - PROJECT MANUAL CHANGES

1. N/A (not applicable)

PART 3 - DRAWING CHANGES

1. **SHEET C4.1 – STORMWATER MANAGEMENT PLAN**
 - a. Add Storm Sewer Structure Schedule

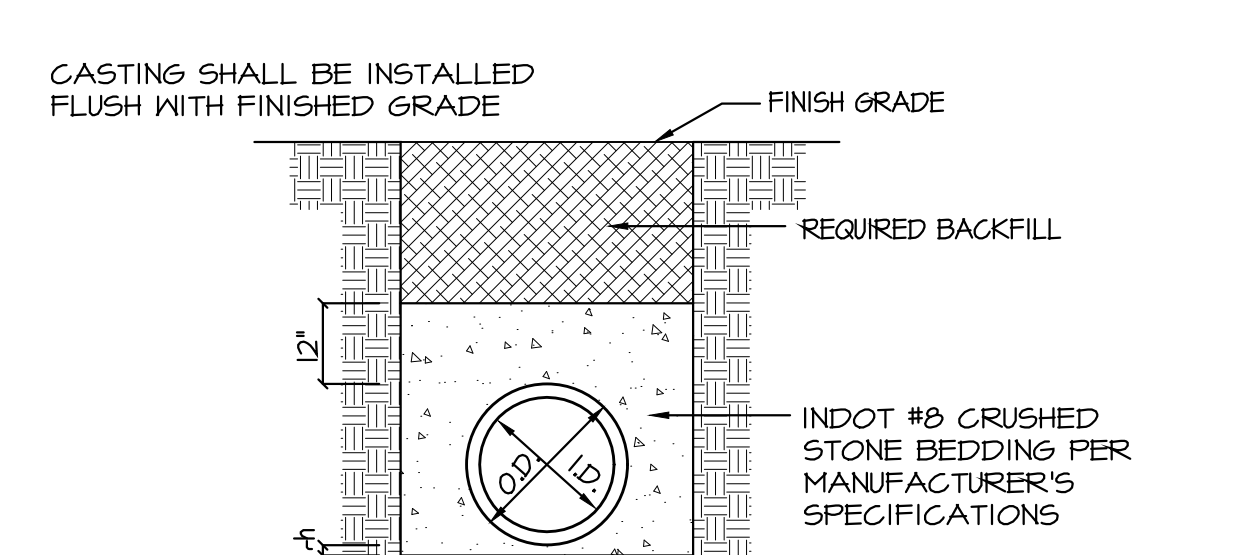
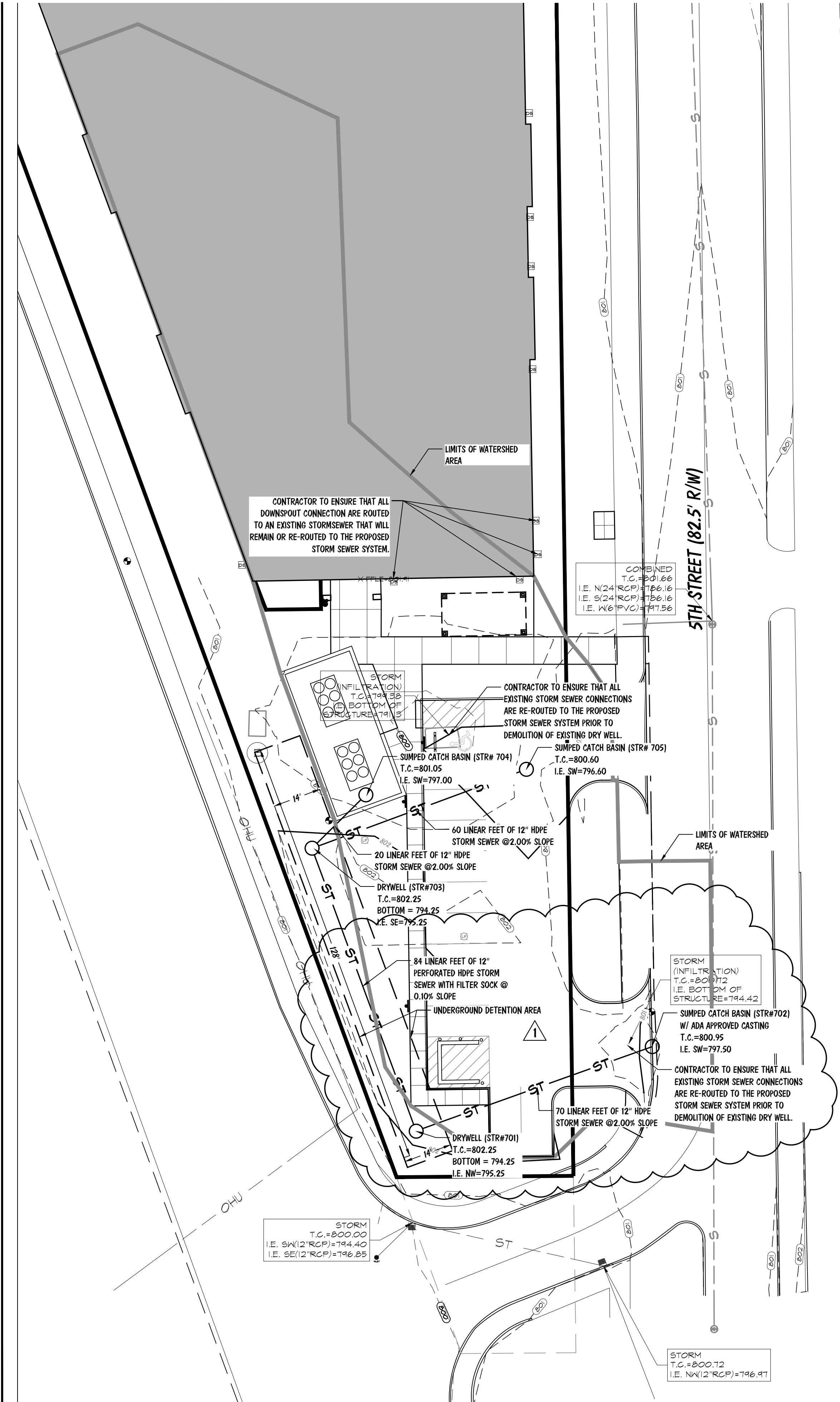
PART 4 – PREVIOUS ADDENDA

1. N/A (not applicable)

PART 5 – ATTACHMENTS

- A. Specification Section:
 1. N/A (not applicable)
- B. Drawings:
 1. C4.1 – STORMWATER MANAGEMENT PLAN

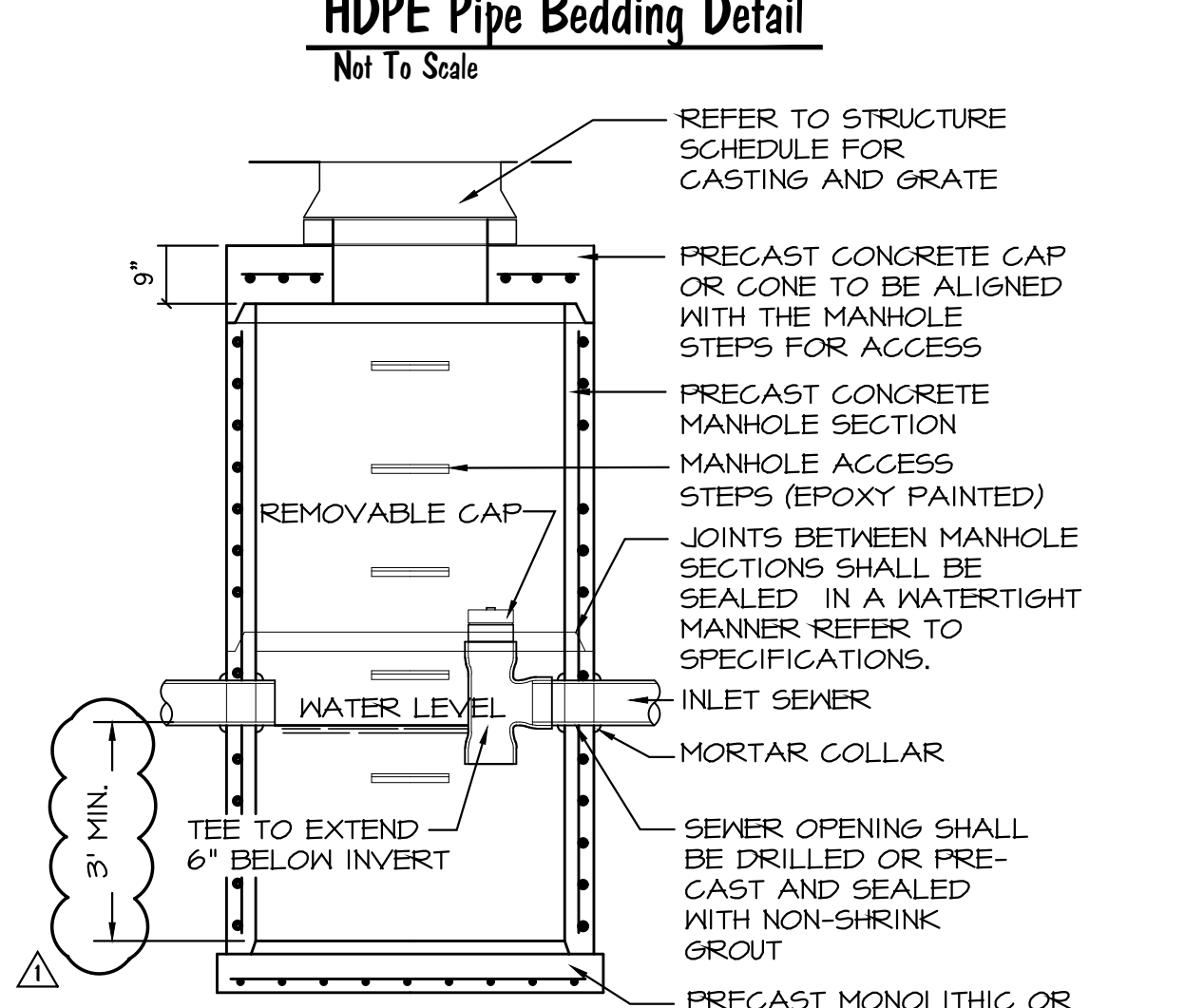
END OF ADDENDUM NO. 02



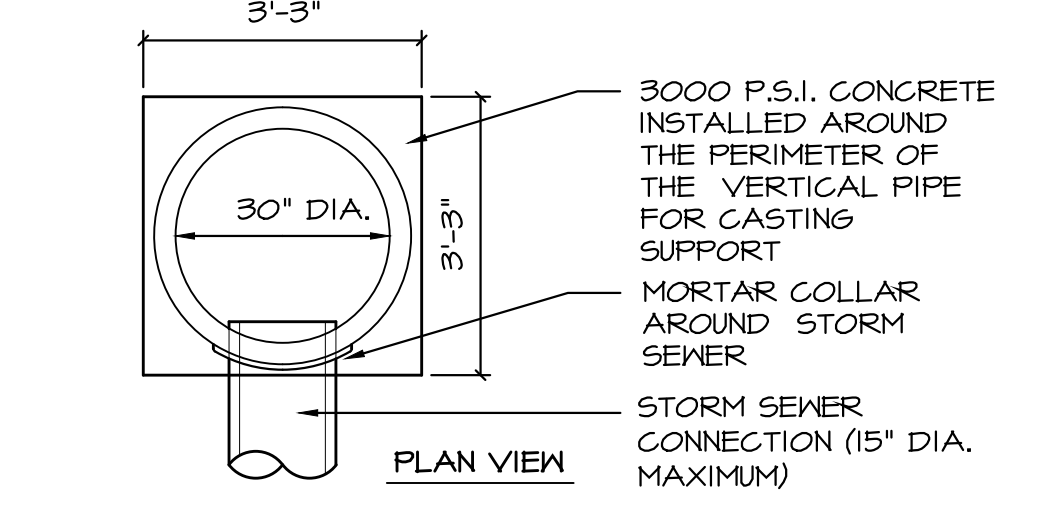
FOR ROCK OR OTHER NON-COMPRESSIBLE MATERIALS, THE TRENCH SHOULD BE OVER-EXCAVATED A MINIMUM OF 6" & REFILLED WITH GRANULAR MATERIALS.

HDPE Pipe Bedding Detail
Not To Scale

LEGEND
O.D. = OUTSIDE DIAMETER
I.D. = INSIDE DIAMETER
H = BACKFILL COVER ABOVE TOP OF PIPE
h = O.D./8; 4" MIN.

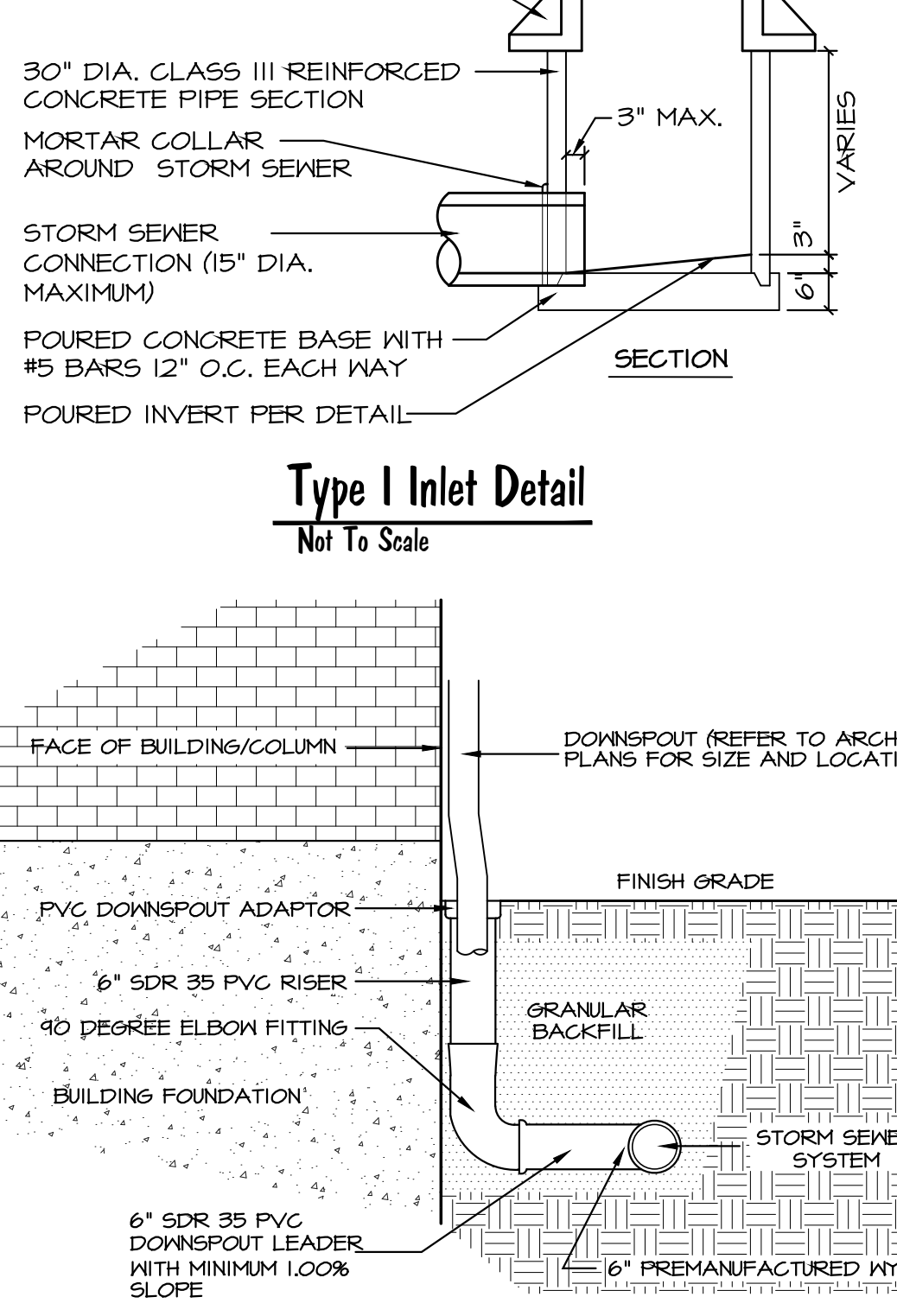


Sumped Catchbasin Detail
Not To Scale

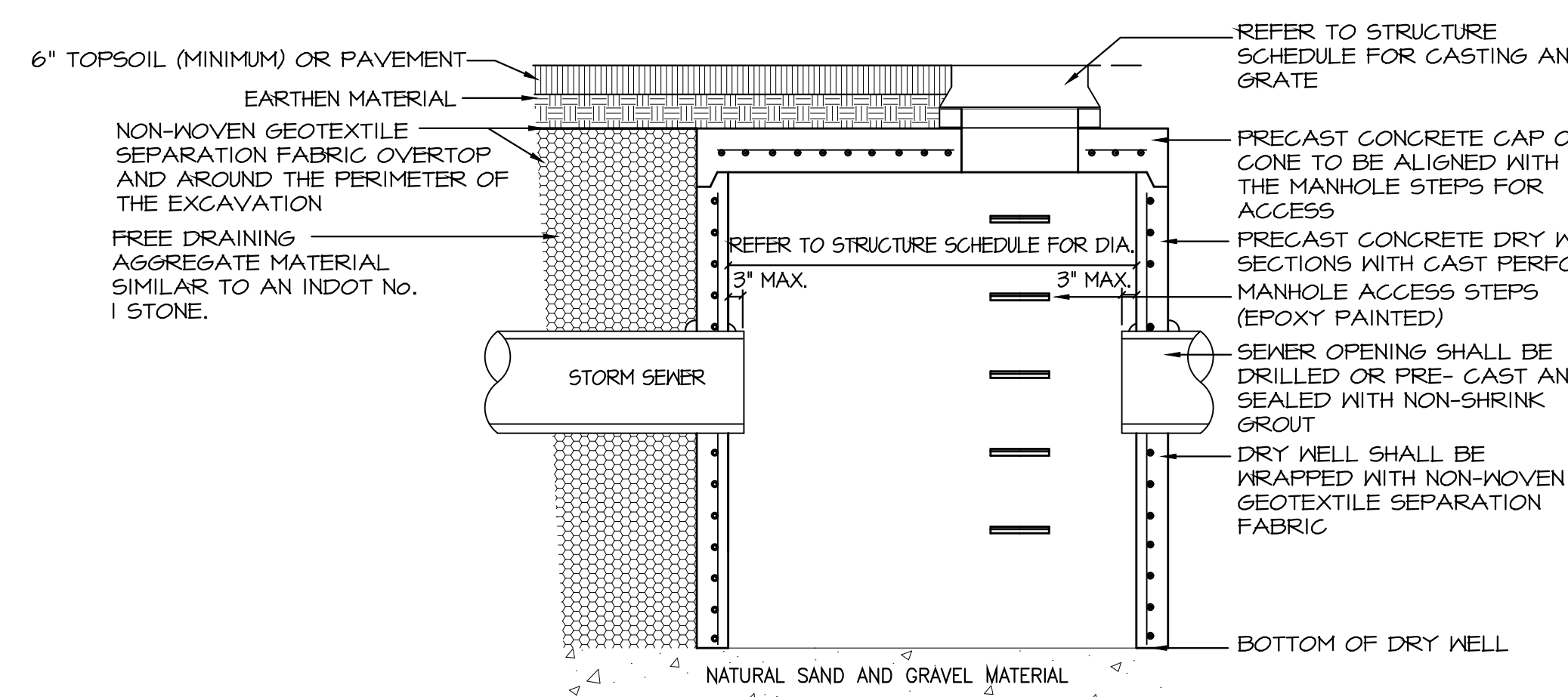


REFER TO SCHEDULE FOR CASTING AND GRATE

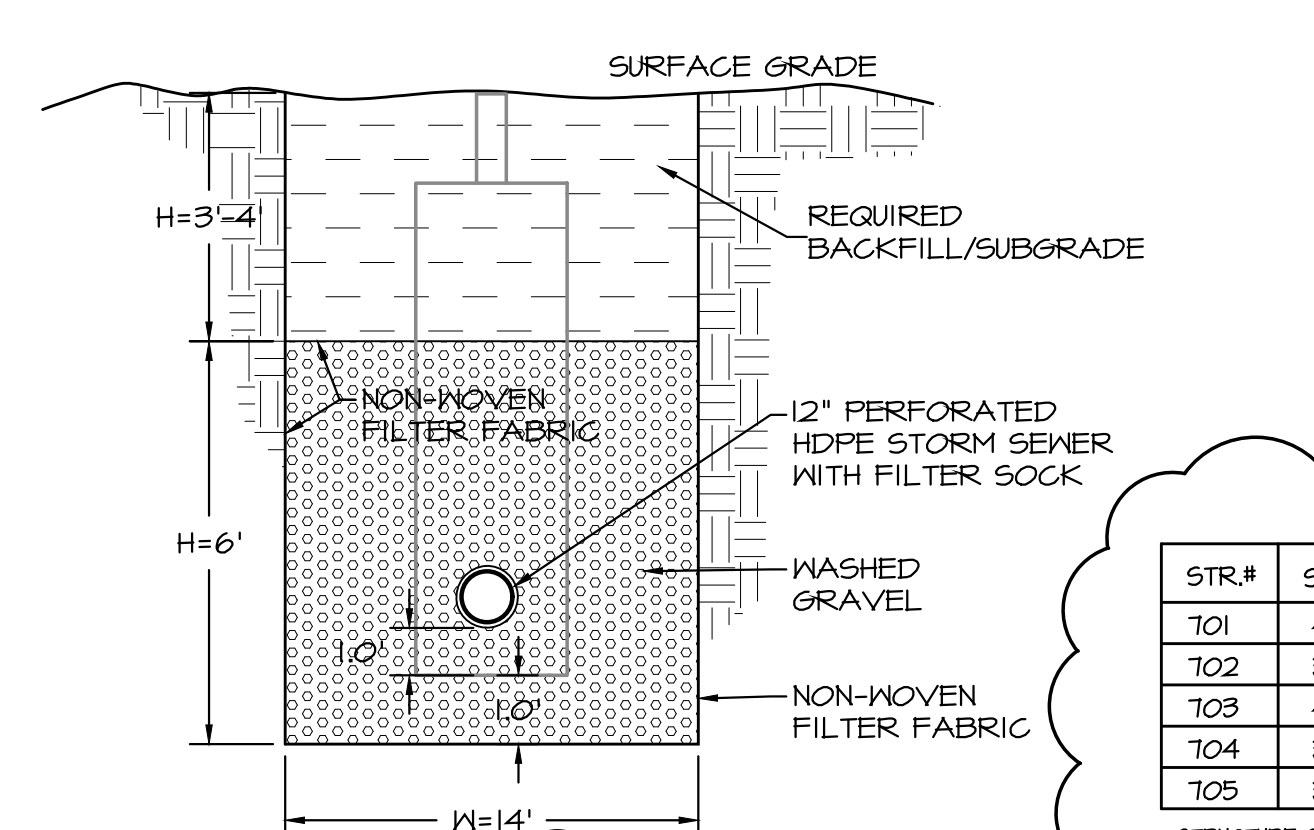
Type I Inlet Detail
Not To Scale



Downspout Connection Detail
Not To Scale



Typical Drywell Detail
Not To Scale



Underground Infiltration Detail
Not To Scale

GENERAL NOTES: STORM SEWERS

1. ALL SANITARY AND STORM SEWER MATERIALS, WORKMANSHIP AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE CITY OF GOSHEN ENGINEERING DEPARTMENT SPECIFICATIONS AND DETAILS, LATEST EDITION. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF THE INSTALLATION IN ACCORDANCE WITH THE CITY OF GOSHEN SPECIFICATIONS AND DETAILS.
2. THE SEWER PIPE BEDDING SHALL BE PER THE LOCAL MUNICIPAL ENGINEERING DEPARTMENT SPECIFICATIONS OR PER DETAILS IN THIS SET, WHICHEVER IS MORE STRINGENT. ALL SEWER INSTALLATION BENEATH PAVED AREAS, ROADWAYS, AND WITHIN ROAD RIGHT-OF-WAYS SHALL RECEIVE FULL DEPTH GRANULAR BACKFILL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAPPING AND CONNECTION FEES ASSOCIATED WITH THE SEWER CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL PAY FOR A FULL TIME INSPECTOR IF REQUIRED BY THE GOVERNING AUTHORITY.
4. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES, AND THE LOCATION AND INVERT OF THE EXISTING SANITARY AND STORM SEWERS. ANY CONFLICT BETWEEN THE EXISTING UTILITIES AND THE PROPOSED CONSTRUCTION SHOULD BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL, UPON THE COMPLETION SEWER CONSTRUCTION, VERIFY ALL FINAL MANHOLE RIM ELEVATIONS AND INVERT ELEVATIONS OF THE SANITARY AND STORM SEWER SYSTEM. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE GOVERNING AUTHORITIES "AS-BUILT" DRAWINGS CERTIFIED BY A PROFESSIONAL LAND SURVEYOR IN THE STATE OF INDIANA.
6. ALL SEWER TAPS ARE FROM THE MUNICIPAL SEWER MAIN TO A POINT WITHIN FIVE FEET OF THE BUILDING, UNLESS OTHERWISE NOTED.

GENERAL NOTE: ABBREVIATIONS

'ME'	MATCH EXISTING ELEVATIONS.
'C'	TOP OF CURB ELEVATION.
'6'	GUTTER/BOTTOM OF CURB ELEVATION.
'TC'	TOP OF MANHOLE CASTING.
'DS'	DOWN SPOUTS
'CO'	CLEAN OUT

GENERAL NOTE: NOTIFICATION

THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE LOCAL MUNICIPAL ENGINEERING DEPARTMENT FOR THE INSPECTION OF THE CONNECTION TO THE EXISTING INLET AND 48 HOURS NOTICE TO THE PROPERTY OWNERS PRIOR TO ANY WORK ON OFFSITE LOTS.

GENERAL NOTE: EXISTING DRAINAGE TILES

ANY EXISTING DRAINAGE TILES ENCOUNTERED DURING THE COURSE OF CONSTRUCTION SHALL BE CONNECTED TO THE PROPOSED STORM SEWER NETWORK. COORDINATE METHOD OF CONNECTION WITH THE OFFICE OF THE ENGINEER, OWNER, AND THE LOCAL MUNICIPAL STORMWATER ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.

GENERAL NOTE:

NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

GENERAL NOTE:

THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE LOCAL MUNICIPAL ENGINEERING DEPARTMENT ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE FROM THE LOCAL MUNICIPAL ENGINEERING DEPARTMENT IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS OR 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION PRIOR TO BACKFILLING THE PIPE. THE CONTRACTOR IS INSTRUCTED TO AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH DESIGN PLANS AND AS APPROVED BY THE LOCAL MUNICIPAL ENGINEERING DEPARTMENT.

- GRADING & DRAINAGE NOTES:
1. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
 2. ALL SHALES SHALL HAVE A MINIMUM SLOPE OF 1.00%.
 3. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
 4. SLOPE SHALL NOT BE GREATER THAN 3:1 UNLESS OTHERWISE SPECIFIED.
 5. REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED BUILDING PADS. ALL FIELD TILES SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE DONE.
 6. ALL FILL AREAS UNDER FLOOR SLABS, ADJACENT TO FOUNDATIONS AND OVER FOUNDATIONS SHOULD COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR DENSITY (ASTM D-698). FILL SUPPORTING FOOTINGS SHOULD BE COMPACTED TO 100% STANDARD PROCTOR DENSITY (ASTM D-698). IN CUT AREAS, WHERE PAVEMENT IS PLANNED, THE UPPER 10" SHOULD BE SCARIFIED AND COMPACTED TO 100% OF THE STANDARD PROCTOR DENSITY (ASTM D-698).
 7. THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF EARTH IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVAL OR IMPORTATION OF EARTH.
 8. ANY PART OF STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS IS TO BE BACKFILLED PER CITY STANDARDS.
 9. STANDARD SPECIFICATIONS FOR THE LOCAL GOVERNING AUTHORITY SHALL APPLY FOR ALL STORM SEWER CONSTRUCTION.
 10. ALL YARD DRAINS SHALL BE NYLOPLAST DRAIN BASINS WITH DOME CASTINGS.

Storm Sewer Structure Schedule

STR.#	SIZE	DETAIL/NOTES	MANUFACTURE	GRATE
T01	48"	DRYWELL	EJCO	1020M2
T02	30"	SUMPED CATCH BASIN	EJCO	1020M3
T03	48"	DRYWELL	EJCO	1020M2
T04	30"	SUMPED CATCH BASIN	EJCO	1020M2
T05	30"	SUMPED CATCH BASIN	EJCO	1020M2

- STRUCTURE SCHEDULE GENERAL NOTES:
1. ALL CASTING AND GRATE MODEL NUMBERS REFERENCE EAST JORDAN IRON WORKS CASTING AND GRATES, UNLESS OTHERWISE NOTED. EQUIVALENT MANUFACTURES WILL BE REVIEWED FOR USE IF SUBMITTED FOR REVIEW A MINIMUM OF SEVEN DAYS PRIOR TO SUBMITTAL OF BID.
 2. ALL CASTINGS TO BE PRE-STAMPED WITH AN APPROPRIATE CLEAN WATER MESSAGE PER CITY OF GOSHEN STANDARD CONSTRUCTION DETAILS.

Watershed and Stormwater Infiltration Computations

WATERSHED	POST-DEVELOPED STORM SEWER BASINS					WEIGHTED RUNOFF C
	TOTAL AREA (sq. ft.)	TOTAL AREA (ac)	ROOF (sq. ft.)	PAVE (sq. ft.)	LAWN (sq. ft.)	
South Parking	24430	0.56	9480	10975	3975	0.73
TOTAL	24430	0.56	9480	10975	3975	0.73

Stormwater Retention Volume Required: 4452 cubic feet
 Volume Provided in Pipe and Drywells: 260 cubic feet
 Volume Provided in 40% Stone Void 12x14x6: 4300 cubic feet
 Total Volume Provided: 4560 cubic feet

Stormwater Management Plan
Scale: 1" = 20'



ForeSight Consulting, LLC
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Fort Wayne, Indiana 46825
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www.4site.biz

ForeSight
EXPERIENCE. INNOVATION. RESULTS.

Certification:
Professional Engineer
No. 19720312
STATE OF INDIANA
Professional Engineer
Tab Plawn

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Performed for:
goshen public library
601 South 5th Street, Goshen, Indiana 46526

Stormwater Management Plan for:
goshen public library
601 South 5th Street, Goshen, Indiana 46526

Drawing Revisions:
Addendum 1 - 07-24-2024
Addendum 2 - 07-25-2024

Commission Number: 233695
Date: June 26th, 2024
Title: Stormwater Management Plan
Sheet Number: C4.1

PERMIT REVIEW SET - NOT FOR CONSTRUCTION