

OWNER:

DEPARTMENT OF ADMINISTRATION,
PUBLIC WORKS

402 WEST WASHINGTON ST., ROOM W467
INDIANA GOVERNMENT CENTER - SOUTH
INDIANAPOLIS, INDIANA 46204-2746
(317) 232-3001

DEVELOPER:

INDIANA STATE POLICE
100 N. SENATE AVE RM N340
INDIANAPOLIS, INDIANA 46204-2746

FACILITIES MANAGEMENT SECTION
DARRICK SCOTT, LIEUTENANT
(317) 408-2846

ENGINEER:



Solutions by Design Since 1937

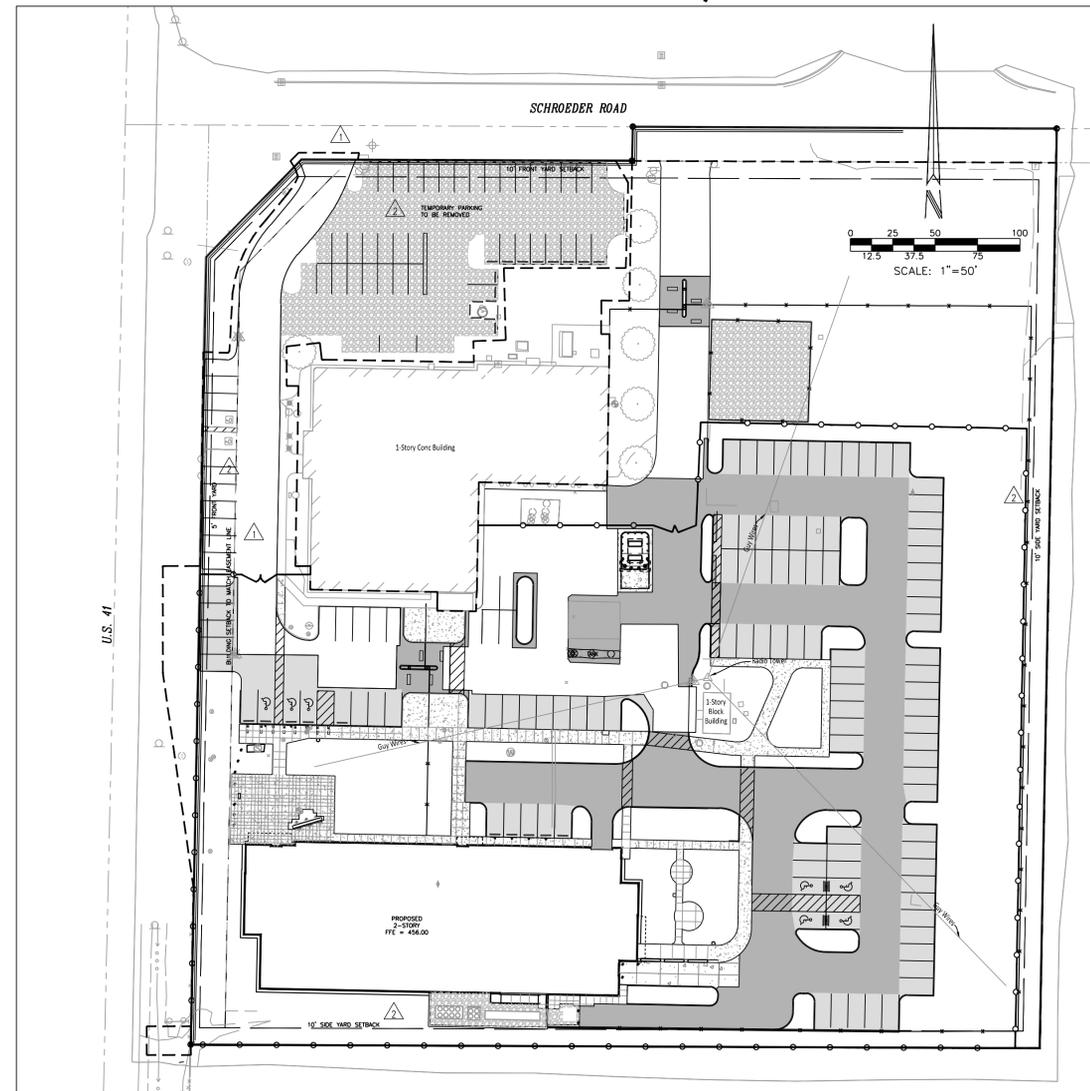
9339 PRIORITY WAY WEST DRIVE, SUITE 100
INDIANAPOLIS, INDIANA 46240
(317) 844-6777 FAX (317) 706-6464

LOCATION MAP:

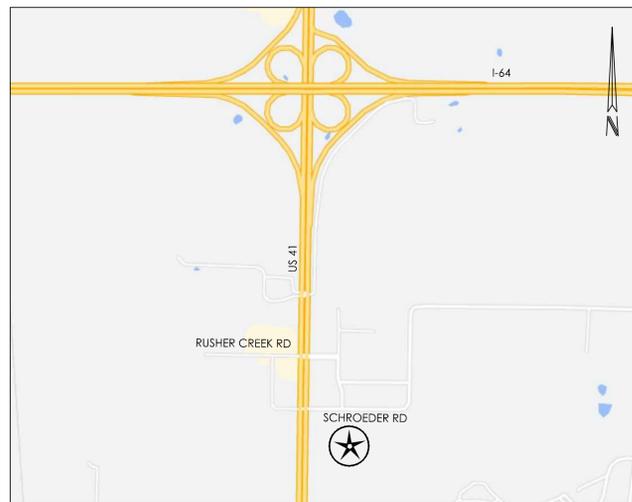


★ = SITE

CONSTRUCTION PLANS FOR INDIANA STATE POLICE POST AND FORENSICS LAB EVANSVILLE, IN



VICINITY MAP:



NOTE: ALL IMPROVEMENTS WITHIN THE PROPOSED RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

CRIFE TEAM:

PROJECT MANAGER	STEV PIERRE, PE	317-706-6309
PROJECT ENGINEER	ELAINE IVY, PE	317-706-6308
DESIGN ASSOCIATE	JACLYN HENSEL	317-706-6364
QUALITY ASSURANCE	DAVE KUEHNEN, PE	317-706-6382

PROJECT INFORMATION:

Project Address: 19411 US 41, Evansville 47725	PARKING SUMMARY: Existing Parking Standard 51 Accessible 2
Additional Project Information: Existing Zoning: C4	Temporary Parking 45
Total Project Area: 6.05 ac	Added Parking Standard 62 Accessible 7
Existing Impervious Surface: 74,334 sq ft = 1.7 AC	Total Parking Standard 113 Accessible 9
New Impervious Surface: 70,060 sq ft = 1.6 AC	Outside Fence 30 Inside Fence 92
Total Impervious: 144,394 sq ft = 3.3 AC	

SHEET INDEX:

SHEET	DESCRIPTION
C-001	CIVIL COVER SHEET
C-101	EXISTING CONDITIONS & DEMOLITION PLAN
C-200	OVERALL SITE PLAN
C-201	SITE PLAN MATERIALS
C-202	SITE PLAN DIMENSIONS
C-203	SITE ENLARGEMENT
C-204 TO C-206	SITE DETAILS
C-301	GRADING PLAN
C-302	GRADING ENLARGEMENT-ISSUED
C-401	STORMWATER POLLUTION PREVENTION PLAN
C-402 TO C-403	STORMWATER POLLUTION PREVENTION PLAN DETAILS
C-404	STORMWATER POLLUTION PREVENTION PLAN NOTES
C-501	UTILITY PLAN
C-502	UTILITY ENLARGEMENT
C-503 TO C-508	UTILITY DETAILS
C-701 TO C-702	STORM SEWER PLAN AND PROFILES
C-703 TO C-706	STORM SEWER DETAILS
L-101	PLANTING PLAN
L-201	PLANTING DETAILS

BENCHMARKS:

DLZ CONTROL POINT	NORTHING	EASTING	DESCRIPTION
C.P. #100 - ELEV.= 454.69	1059193.31	2818474.61	MGS
C.P. #101 - ELEV.= 453.46	1059212.50	2818751.37	MGS
C.P. #102 - ELEV.= 456.16	1058991.22	2818742.54	MGS
C.P. #103 - ELEV.= 453.86	1059006.95	2818472.68	MGS

DLZ SURVEY CONTROL POINTS
The project coordinate system and basis of bearings are relative to the Indiana Coordinate System of 1983, West Zone (NAD83-2011). Linear dimensions and coordinate values are in U.S. Survey Feet.

Primary horizontal survey control was established using Real Time Kinematic methods (RTCMv3 MAX) from the Indiana Department of Transportation, Continuously Operating Reference Network. Coordinates are State Plane grid, no ground scale factor was applied. Elevations were computed from GPS measurements using Geoid12B and are referenced to the North American Vertical Datum of 1988.

AGENCY & UTILITY INFO:

AGENCY/UTILITY	PHONE NUMBER
CENTERPOINT ENERGY GAS AND ELECTRIC	812-330-4008
EVANSVILLE WATER AND SEWER UTILITY	812-421-2120
AT&T	812-464-6050
SPECTRUM	812-253-2755
EVANSVILLE-VANDERBURGH COUNTY AREA PLAN COMMISSION	812-435-5226
WOW - CABLE	812-437-0395
EVANSVILLE FIRE DEPARTMENT	812-435-6235

CAUTION
LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

**INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY**
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street - Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY
	EBI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190064-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
2	PERMIT SET	08/26/22
3	ADDENDUM #02	08/30/22
4	PERMIT SET	09/13/22
5	PERMIT SET	09/14/22
6	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE CIVIL COVER SHEET
SHEET NUMBER C-001

Know what's below. Call before you dig.
811 FOR CALLS IN INDIANA 1-800-382-5544 CALL TOLL FREE

**INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY**
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Building Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeside Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 East 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY EBI, PE
	CHECKED BY DK, PE
	APPROVED BY SP, PE
	PIC NUMBER 190064-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	08/26/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/15/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

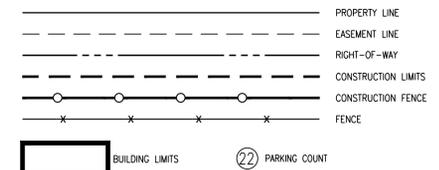
RATIO
Copyright Notice: This architectural and engineering drawing is the property of RATIO and shall remain confidential. No other use, reproduction or distribution is permitted without the written consent of RATIO. All common law rights of copyright and invention are hereby specifically reserved.

PROJECT NO. 00100-18-023-D1-ISP
SHEET TITLE

**OVERALL
SITE PLAN**

SHEET NUMBER
C-200

SITE PLAN LEGEND



SITE WORK GENERAL NOTES AND SPECIFICATIONS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, INCLUDING SHOP DRAWINGS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
- IT SHALL BE THE RESPONSIBILITY OF THE 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.
- ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE PLANS AND 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 THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
- LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

SITE PLAN NOTES

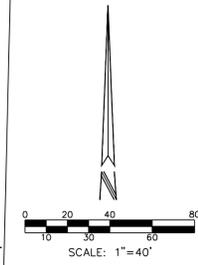
- ALL RADI AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
- ALL PAVEMENT AND/OR CURB RADI TO BE FIVE (5) FOOT UNLESS OTHERWISE NOTED.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
- ALL PARKING STALLS SHALL BE 20' X 10' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
- REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
- CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK AND IS RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD DIMENSIONS OR CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
- PROVIDE TEMPORARY TRAFFIC CONTROL, SIGNAGE, BARRICADES, BARRIERS, ETC., TO COMPLY WITH APPLICABLE LOCAL STANDARDS AND MAINTENANCE OF TRAFFIC DRAWINGS.
- REFER TO UTILITY PLAN FOR SANITARY AND STORM STRUCTURE LOCATIONS.
- REFER TO GENERAL LANDSCAPE ARCHITECTURE NOTES, SHEET L-100, PRIOR TO BEGINNING SITE CONSTRUCTION / IMPROVEMENTS.
- PARTICIPATE IN THE PRE-INSTALLATION CONFERENCE ASSOCIATED WITH CONCRETE PLACEMENT AND JOINTING.
- JOINTING IS TO BE PERFORMED WITH PRECISION AND IN A CRAFTSMAN LIKE MANNER, FOLLOWING GRAPHIC REPRESENTATION PROVIDED IN THE DRAWINGS. REVIEW MOCKUP REQUIREMENTS.
- CONCRETE PAVING JOINTS SHALL BE SAW CUT (CONCENTRATION JOIN 'A', (DETAIL A6/L-701) UNLESS NOTED OTHERWISE.
- REVIEW ISOLATION JOINT LOCATIONS WITH CIVIL ENGINEER AND ARCHITECT PRIOR TO CONCRETE LAYOUT AND PLACEMENT.
- REFER TO DETAIL SHEETS FOR DETAILS ASSOCIATED WITH PAVEMENTS.
- COORDINATE DIMENSIONAL AND ALIGNMENT LAYOUT OF PLAZA JOINTS WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
- COORDINATE ISOLATION JOINT PLACEMENT WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
- COORDINATE WITH ARCHITECT AND PROVIDE MIN. 12'X12' MOCKUP OF PLAZA CONCRETE SHOWING FINISHING, SAW CUT JOINTING, ISOLATION JOINTING AND PLANTING BED OVER-FORMING/CUT-OUT, FOR APPROVAL. PLAZA FLATWORK MAY NOT BE ACCEPTED WITHOUT PRIOR APPROVAL OF MOCKUP. IT IS RECOMMENDED MOCKUP BE SEPARATE; IN-PLACE MOCKUP IS AT CONTRACTOR'S DISCRETION AND WILL NOT INFLUENCE MOCKUP ACCEPTANCE. IN-PLACE MOCKUP MUST COORDINATE WITH PROPOSED ISOLATION JOINT LAYOUT.
- PATCH REPAIR AND RESTORE EXISTING FINISHES, SURFACES, PAVEMENT, CURBS AND IMPROVEMENTS DAMAGED OR DISTURBED BY CONSTRUCTION TO "AS NEW CONDITION" AFTER WORK IS COMPLETE, AND IS REQUIRED TO MATCH SURROUNDING MATERIALS OR TO PROVIDE APPROPRIATE SUBSTRATE PRIOR TO INSTALLING NEW FINISHES/SURFACES/IMPROVEMENTS. AREAS NOTED TO BE PATCHED OR REPAIRED ON THE DRAWINGS ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
- PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
- REPAIR EXISTING UNPAVED AND STONE PAVED AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITIONS AFTER WORK IS COMPLETE.
- REFER TO SHEETS C202 THRU C204 FOR DETAILS REFERENCED.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

PROJECT INFORMATION:

Project Address: 19411 US 41, Evansville 47725	PARKING SUMMARY: Existing Parking Standard 51 Accessible 2
Additional Project Information: Existing Zoning: C4	Temporary Parking 45
Total Project Area: 6.05 ac	Added Parking Standard 62 Accessible 7
Existing Impervious Surface: 74,334 sq ft = 1.7 AC	Total Parking Standard 113 Accessible 9
New Impervious Surface: 70,060 sq ft = 1.6 AC	Outside Fence 30 Inside Fence 92
Total Impervious: 144,394 sq ft = 3.3 AC	



811 1-800-382-5544
FOR CALLS IN INDIANA CALL TOLL FREE



ELPERS ROAD

CASTLE
CREEK DR.
143.41'

P.O.C.
POT 673+21.3 "AA" RF-28(14), 1975
3/4" Rebar Found in 1' Conc.

2343 Private Sanitary Manhole
Rm 452.48
IE 6" VCP S 446.4
IE 6" VCP NE 446.3

2218 Private Sanitary Manhole
Rm 454.41
IE 6" VCP E 448.5
IE 6" VCP N 448.5

U.S. 41
Indiana State Highway Plan No. E28(1a)19(3)
N. Line, SW 1/4, SE 1/4, Sec. 20-4-10
U.S. Centering, Sec. 20-4-10

AT&T IS OVERHEAD RUNNING NORTH-SOUTH

ADJOINING STATIONS ON RIGHT

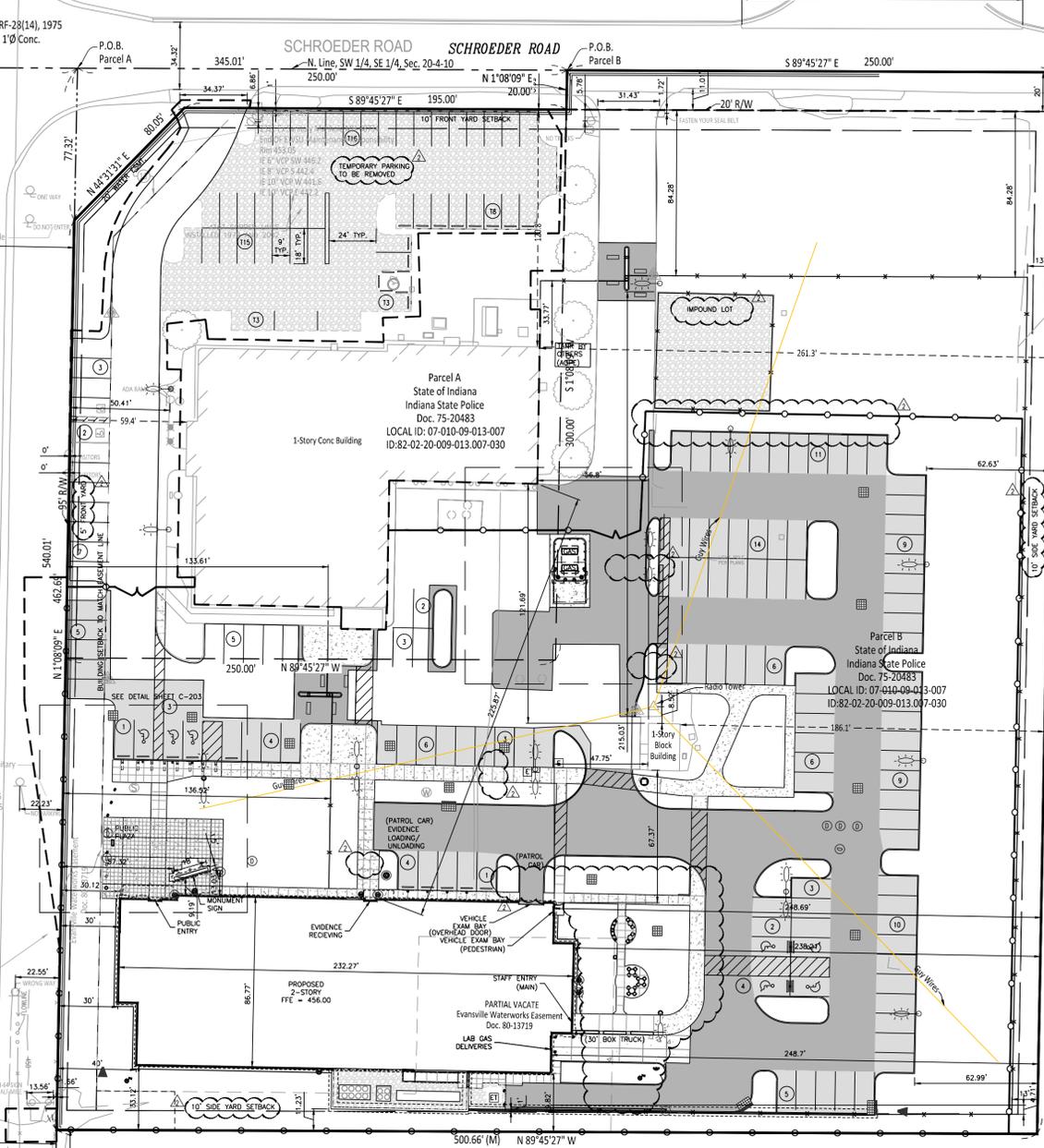
ADJOINING STATIONS ON LEFT

ADJOINING STATIONS ON RIGHT

ADJOINING STATIONS ON LEFT

ADJOINING STATIONS ON RIGHT

ADJOINING STATIONS ON LEFT

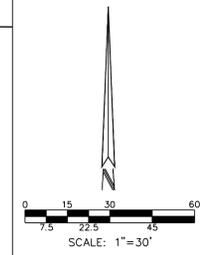
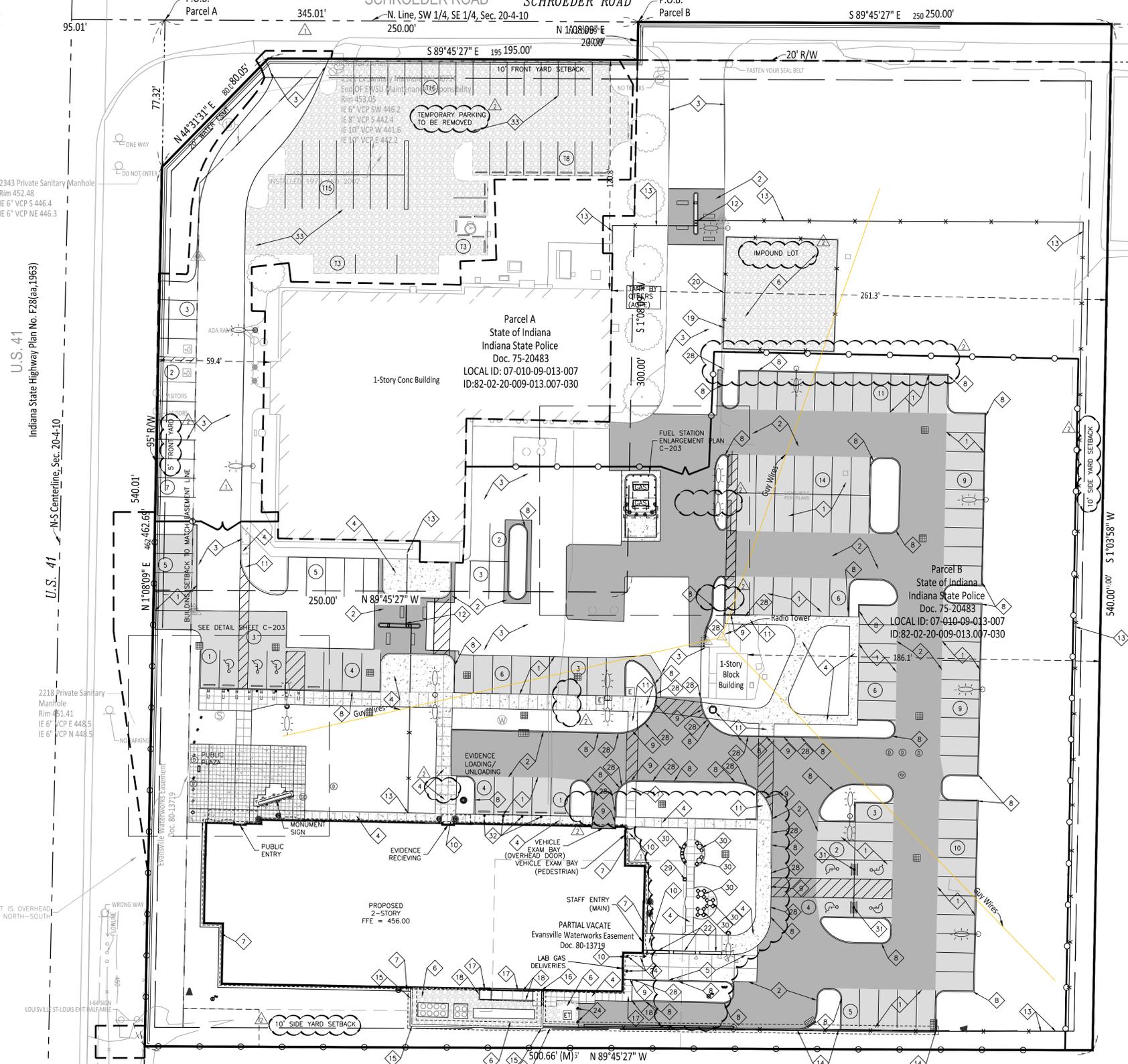


Kent & Melissa Rexing
Doc. 2014R00022919

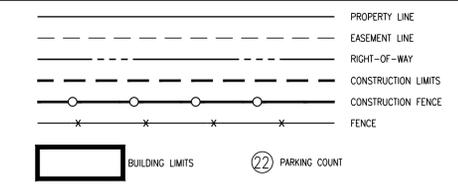
ADDENDUM #01 NOTE: SHEET ISSUED IN ITS ENTIRETY

File Name: C:\2017\19004A\20000\Cad\Eng\CD\20-C200-C203_Site Plan.dwg, October 20, 2022 11:55 PM, ELAINE VY, © Paul J. Cripe, Inc.
 User: Elaine VY
 Plot Date: 10/20/22

POT 673+21.3 "AA" RF-28(14), 1975
3/4" Rebar Found in 1'Ø Conc.



SITE PLAN LEGEND



SITE WORK GENERAL NOTES AND SPECIFICATIONS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, INCLUDING SHOP DRAWINGS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
- IT SHALL BE THE RESPONSIBILITY OF THE 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.
- ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE PLANS AND 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 THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
- LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

SITE PLAN NOTES

- ALL RADI AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
- ALL PAVEMENT AND/OR CURB RADI TO BE FIVE (5) FOOT UNLESS OTHERWISE NOTED.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
- ALL PARKING STALLS SHALL BE 20' X 10' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
- REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
- CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK AND IS RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD DIMENSIONS OR CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
- PROVIDE TEMPORARY TRAFFIC CONTROL, SIGNAGE, BARRICADES, BARRIERS, ETC., TO COMPLY WITH APPLICABLE LOCAL STANDARDS AND MAINTENANCE OF TRAFFIC DRAWINGS.
- REFER TO UTILITY PLAN FOR SANITARY AND STORM STRUCTURE LOCATIONS.
- REFER TO GENERAL LANDSCAPE ARCHITECTURE NOTES, SHEET L-100, PRIOR TO BEGINNING SITE CONSTRUCTION / IMPROVEMENTS.
- PARTICIPATE IN THE PREINSTALLATION CONFERENCE ASSOCIATED WITH CONCRETE PLACEMENT AND JOINTING.
- JOINTING IS TO BE PERFORMED WITH PRECISION AND IN A CRAFTSMAN LIKE MANNER, FOLLOWING GRAPHIC REPRESENTATION PROVIDED IN THE DRAWINGS. REVIEW MOCKUP REQUIREMENTS.
- CONCRETE PAVING JOINTS SHALL BE SAW CUT (CONCENTRATION JOIN 'A', (DETAIL A6/L-701) UNLESS NOTED OTHERWISE.
- REVIEW ISOLATION JOINT LOCATIONS WITH CIVIL ENGINEER AND ARCHITECT PRIOR TO CONCRETE LAYOUT AND PLACEMENT.
- REFER TO DETAIL SHEETS FOR DETAILS ASSOCIATED WITH PAVEMENTS.
- COORDINATE DIMENSIONAL AND ALIGNMENT LAYOUT OF PLAZA JOINTS WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
- COORDINATE ISOLATION JOINT PLACEMENT WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
- COORDINATE WITH ARCHITECT AND PROVIDE MIN. 12'X12' MOCKUP OF PLAZA CONCRETE SHOWING FINISHING, SAW CUT JOINTING, ISOLATION JOINTING AND PLANTING BED OVER-FORMING/CUT-OUT, FOR APPROVAL. PLAZA FLATWORK MAY NOT BE ACCEPTED WITHOUT PRIOR APPROVAL OF MOCKUP. IT IS RECOMMENDED MOCKUP BE SEPARATE; IN-PLACE MOCKUP IS AT CONTRACTOR'S DISCRETION AND WILL NOT INFLUENCE MOCKUP ACCEPTANCE. IN-PLACE MOCKUP MUST COORDINATE WITH PROPOSED ISOLATION JOINT LAYOUT.
- PATCH REPAIR AND RESTORE EXISTING FINISHES, SURFACES, PAVEMENT, CURBS AND IMPROVEMENTS DAMAGED OR DISTURBED BY CONSTRUCTION TO "AS NEW CONDITION" AFTER WORK IS COMPLETE, AND IS REQUIRED TO MATCH SURROUNDING MATERIALS OR TO PROVIDE APPROPRIATE SUBSTRATE PRIOR TO INSTALLING NEW FINISHES/SURFACES/IMPROVEMENTS. AREAS NOTED TO BE PATCHED OR REPAIRED ON THE DRAWINGS ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
- PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
- REPAIR EXISTING UNPAVED AND STONE PAVED AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITIONS AFTER WORK IS COMPLETE.
- REFER TO SHEETS C202 THRU C204 FOR DETAILS REFERENCED.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

KEYNOTE LEGEND

- | | |
|----|--|
| 1 | ASPHALT PAVING, MEDIUM DUTY (DTL A1 ON C-206) |
| 2 | ASPHALT PAVING, HEAVY DUTY (DTL A2 ON C-206) |
| 3 | MILL AND RESURFACE ASPHALT PAVING, 2" DEPTH PATCH |
| 4 | CONCRETE PAVING (DTL B2 ON C-206) |
| 5 | CONCRETE PAVING, STANDARD, HEAVY DUTY (DTL B2 ON C-206) |
| 6 | AGGREGATE SURFACING, DRIVEWAY STONE (DTL E4 ON C-206) |
| 7 | AGGREGATE SURFACING, MAINTENANCE STRIP (DTL F4 ON C-206) |
| 8 | CONCRETE CURB, VERTICAL (DTL D3 ON C-206) |
| 9 | CONCRETE CURB, FLUSH (DTL D2 ON C-206) |
| 10 | CONCRETE STOOP (DTL C4 ON C-204) |
| 11 | CONCRETE ACCESS RAMP, TYPE B |
| 12 | FENCES AND GATES, AUTOMATED SECURITY GATE |
| 13 | FENCES AND GATES, CHAIN LINK, 8' HT |
| 14 | SECTION PERIMETER FENCE RETAINING WALL WITH FENCES AND GATES, CHAIN LINK |
| 15 | SECTION MECHANICAL YARD RETAINING WALL (DTL A6 ON C-205) WITH FENCE MECHANICAL YARD SCREEN (DTL A7 AND A8, ON C-205) |

- KEYNOTE LEGEND**
- | | |
|----|---|
| 25 | METAL FABRICATION, BOLLARD, 8" (DTL F5 ON C-205) |
| 26 | DIMENSIONAL LETTER SIGNAGE, TYPE 316 STAINLESS STEEL (DTL D7 ON C-204) |
| 27 | FLAGPOLE, GROUND MOUNT, 35' EXPOSED HEIGHT |
| 28 | CONCRETE CURB, END TAPER (DTL B1 ON C-206) |
| 29 | SITE FURNISHING, LITTER RECEPTICLE |
| 30 | SITE FURNISHING, SEE PLANTING PLAN |
| 31 | SIGN, ACCESSIBLE PARKING |
| 32 | SIGN, RESERVED FOR EVIDENCE RECEIVING |
| 33 | TEMPORARY AGGREGATE SURFACING, DRIVEWAY STONE - REMOVE UPON COMPLETION OF PROPOSED PARKING AREA. SEE PLANTING PLAN. |

- KEYNOTE LEGEND**
- | | |
|----|--|
| 16 | GATE FOR MECHANICAL YARD SCREEN (DTL A8 ON C-205) |
| 17 | SECTION CONCRETE STOOP AND RAMP (DTL C4 ON C-204) |
| 18 | METAL RAILING (DTL D4, D6, D7 ON C-204) GROUND MOUNT TYPE, 316 STAINLESS STEEL |
| 19 | FENCES AND GATES, CHAIN LINK, 8' HT - IMPOUND LOT |
| 20 | FENCES AND GATES, GATE FOR CHAIN LINK, 8' HT - MATCH EXISTING IMPOUND LOT GATE WIDTH |
| 21 | MEMORIAL WITH THICKENED CONCRETE SLAB |
| 22 | PRECAST CONCRETE BLOCK WALL (DTL A5 ON C-204) |
| 23 | PRECAST ARCHITECTURAL CONCRETE, SIGN WALL (DTL A3 ON C-204) |
| 24 | METAL FABRICATION, BOLLARD, 6" (DTL C2 ON C-204) |

- KEYNOTE LEGEND**
- | | |
|----|--|
| 16 | GATE FOR MECHANICAL YARD SCREEN (DTL A8 ON C-205) |
| 17 | SECTION CONCRETE STOOP AND RAMP (DTL C4 ON C-204) |
| 18 | METAL RAILING (DTL D4, D6, D7 ON C-204) GROUND MOUNT TYPE, 316 STAINLESS STEEL |
| 19 | FENCES AND GATES, CHAIN LINK, 8' HT - IMPOUND LOT |
| 20 | FENCES AND GATES, GATE FOR CHAIN LINK, 8' HT - MATCH EXISTING IMPOUND LOT GATE WIDTH |
| 21 | MEMORIAL WITH THICKENED CONCRETE SLAB |
| 22 | PRECAST CONCRETE BLOCK WALL (DTL A5 ON C-204) |
| 23 | PRECAST ARCHITECTURAL CONCRETE, SIGN WALL (DTL A3 ON C-204) |
| 24 | METAL FABRICATION, BOLLARD, 6" (DTL C2 ON C-204) |

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6588

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11758 N. Lakeside Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 East 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL | DATE

DRAWN BY
EBI, PE

CHECKED BY
DK, PE

APPROVED BY
SP, PE

PIC NUMBER
190064-20000

REISSUE

CONSTRUCTION DOCUMENTS	DATE
1 ADDENDUM #1	07/15/22
PERMIT SET	08/26/22
2 ADDENDUM #2	09/15/22
PERMIT SET	09/14/22
3 AGENCY RESPONSES	10/20/22

RATIO

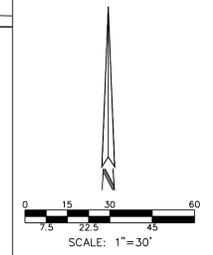
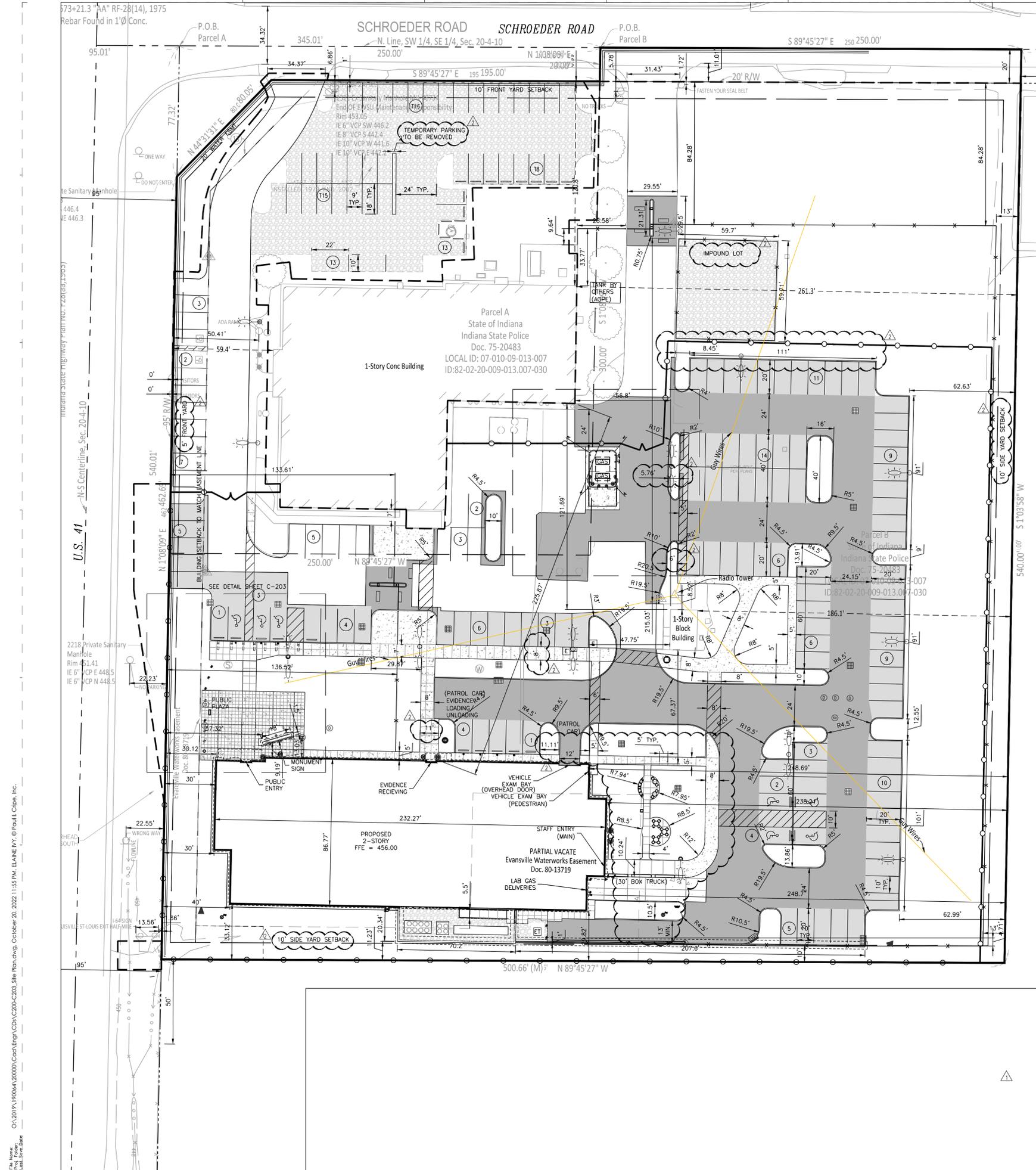
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE

SITE PLAN MATERIALS

SHEET NUMBER **C-201**



File Name: C:\2017\190064\20000\Cad\Eng\CS\2020\C203_Site Plan.dwg, October 20, 2022 11:55 PM, ELAINE WY, © Poul, Cripe, Inc.
 Plot Date: 10/20/22 11:55 AM



SITE PLAN LEGEND

---	PROPERTY LINE
- - - -	EASEMENT LINE
- - - - -	RIGHT-OF-WAY
- - - - -	CONSTRUCTION LIMITS
- - - - -	CONSTRUCTION FENCE
- - - - -	FENCE
[]	BUILDING LIMITS
()	PARKING COUNT

- SITE WORK GENERAL NOTES AND SPECIFICATIONS**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, INCLUDING SHOP DRAWINGS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
 - IT SHALL BE THE RESPONSIBILITY OF THE 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.
 - ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE PLANS AND 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 THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
 - LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

- SITE PLAN NOTES**
- ALL RADI AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
 - ALL PAVEMENT AND/OR CURB RADI TO BE FIVE (5) FOOT UNLESS OTHERWISE NOTED.
 - BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
 - ALL PARKING STALLS SHALL BE 20' X 10' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
 - REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
 - CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK AND IS RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD DIMENSIONS OR CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
 - PROVIDE TEMPORARY TRAFFIC CONTROL, SIGNAGE, BARRICADES, BARRIERS, ETC., TO COMPLY WITH APPLICABLE LOCAL STANDARDS AND REQUIREMENTS OF TRAFFIC DRAWINGS.
 - REFER TO UTILITY PLAN FOR SANITARY AND STORM STRUCTURE LOCATIONS.
 - REFER TO GENERAL LANDSCAPE ARCHITECTURE NOTES, SHEET L-100, PRIOR TO BEGINNING SITE CONSTRUCTION / IMPROVEMENTS.
 - PARTICIPATE IN THE PREINSTALLATION CONFERENCE ASSOCIATED WITH CONCRETE PLACEMENT AND JOINTING.
 - JOINTING IS TO BE PERFORMED WITH PRECISION AND IN A CRAFTSMAN LIKE MANNER, FOLLOWING GRAPHIC REPRESENTATION PROVIDED IN THE DRAWINGS. REVIEW MOCKUP REQUIREMENTS.
 - CONCRETE PAVING JOINTS SHALL BE SAW CUT (CONCENTRATION JOIN 'A', (DETAIL A6/L-701) UNLESS NOTED OTHERWISE.
 - REVIEW ISOLATION JOINT LOCATIONS WITH CIVIL ENGINEER AND ARCHITECT PRIOR TO CONCRETE LAYOUT AND PLACEMENT.
 - REFER TO DETAIL SHEETS FOR DETAILS ASSOCIATED WITH PAVEMENTS.
 - COORDINATE DIMENSIONAL AND ALIGNMENT LAYOUT OF PLAZA JOINTS WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
 - COORDINATE ISOLATION JOINT PLACEMENT WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
 - COORDINATE WITH ARCHITECT AND PROVIDE MIN. 12'X12' MOCKUP OF PLAZA CONCRETE SHOWING FINISHING, SAW CUT JOINTING, ISOLATION JOINTING AND PLANTING BED OVER-FORMING/CUT-OUT, FOR APPROVAL. PLAZA FLATWORK MAY NOT BE ACCEPTED WITHOUT PRIOR APPROVAL OF MOCKUP. IT IS RECOMMENDED MOCKUP BE SEPARATE; IN-PLACE MOCKUP IS AT CONTRACTOR'S DISCRETION AND WILL NOT INFLUENCE MOCKUP ACCEPTANCE. IN-PLACE MOCKUP MUST COORDINATE WITH PROPOSED ISOLATION JOINT LAYOUT.
 - PATCH REPAIR AND RESTORE EXISTING FINISHES, SURFACES, PAVEMENT, CURBS AND IMPROVEMENTS DAMAGED OR DISTURBED BY CONSTRUCTION TO "AS NEW CONDITION" AFTER WORK IS COMPLETE, AND IS REQUIRED TO MATCH SURROUNDING MATERIALS OR TO PROVIDE APPROPRIATE SUBSTRATE PRIOR TO INSTALLING NEW FINISHES/SURFACES/IMPROVEMENTS. AREAS NOTED TO BE PATCHED OR REPAIRED ON THE DRAWINGS ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
 - PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
 - REPAIR EXISTING UNPAVED AND STONE PAVED AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITIONS AFTER WORK IS COMPLETE.
 - REFER TO SHEETS C202 THRU C204 FOR DETAILS REFERENCED.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
 19411 US-41
 Evansville, IN 47725

Owner
 Department of Administration, Public Works
 402 West Washington Street, Room W467
 Indiana Government Center - South
 Indianapolis, Indiana 46204-2746
 317-232-3001

Architect
RATIO
 101 South Pennsylvania Street
 Indianapolis, Indiana 46204
 317-633-4040

Architect / Interior Design
Guidon Design, Inc.
 1221 North Pennsylvania Street, Suite 200
 Indianapolis, Indiana 46202
 317-800-6588

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
 11798 N. Lakeside Parkway
 Ashland, Virginia 23005
 804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
 9449 Priority Way West Drive, Suite 200
 Indianapolis, Indiana 46240
 317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
 9229 Delegates Row, Suite 150
 Indianapolis, Indiana 46240
 317-781-7620

Civil Engineer
Cripe
 9339 Priority Way West Drive, Suite 100
 Indianapolis, Indiana 46240
 317-844-6777

AV / IT Designer
Design 27
 1650 East 49th Street
 Indianapolis, Indiana 46205
 317-536-8000

SEAL DATE	DRAWN BY
	EBI, PE
CHECKED BY	
DK, PE	
APPROVED BY	
SP, PE	
PIC NUMBER	
190064-2000	

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
2	PERMIT SET	08/26/22
3	ADDENDUM #02	08/30/22
4	PERMIT SET	09/15/22
5	AGENCY RESPONSES	09/14/22
6		10/20/22

PROJECT NO.	00100-18-023-D1 ISP
SHEET TITLE	
SITE PLAN DIMENSIONS	
SHEET NUMBER	C-202

File Name: C:\2019\19004A\20000\Civil\Eng\CD\202-C202-C203_Site Plan.dwg, October 20, 2022 11:55 PM, ELAINE WY, © Polli, Cripe, Inc.
 User: Elaine WY
 Plot Date:

ADDENDUM #01 NOTE: SHEET ISSUED IN ITS ENTIRETY



**INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY**
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guldon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY
 10/21/22	EBL PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190064-20000

REISSUE	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/28/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

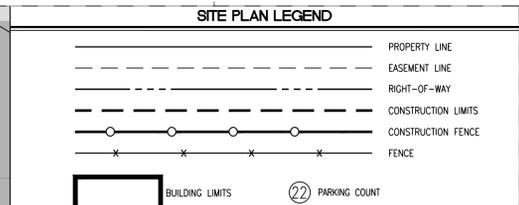
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE

SITE ENLARGMENT

SHEET NUMBER

C-203



- SITE WORK GENERAL NOTES AND SPECIFICATIONS**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, INCLUDING SHOP DRAWINGS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
 - IT SHALL BE THE RESPONSIBILITY OF THE 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.
 - ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE CERTIFIED TO CERTAIN PORTIONS OF THIS PROJECT UPON COMPLETION. THEREFORE, IT IS NECESSARY TO OBTAIN APPROVAL AND ACCEPTANCE BY THE CITY THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
 - LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

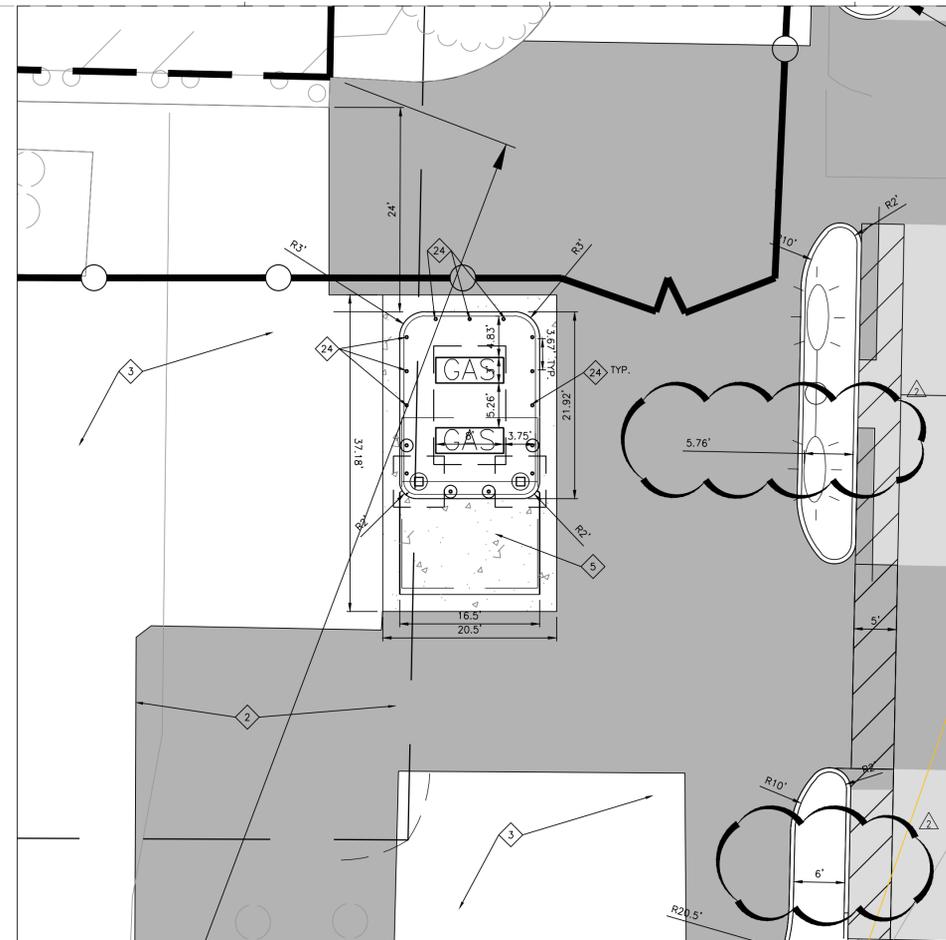
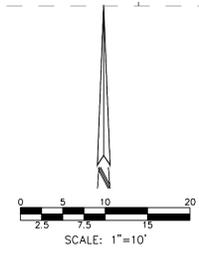
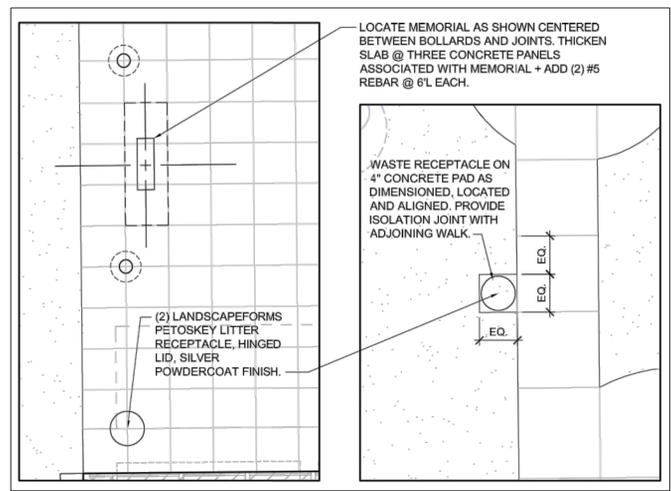
- SITE PLAN NOTES**
- ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
 - ALL PAVEMENT AND/OR CURB RADII TO BE FIVE (5) FOOT UNLESS OTHERWISE NOTED.
 - BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
 - ALL PARKING STALLS SHALL BE 20' X 10' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
 - REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
 - CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK AND IS RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD DIMENSIONS OR CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
 - PROVIDE TEMPORARY TRAFFIC CONTROL, SIGNAGE, BARRICADES, BARRIERS, ETC., TO COMPLY WITH APPLICABLE LOCAL STANDARDS AND MAINTENANCE OF TRAFFIC DRAWINGS.
 - REFER TO UTILITY PLAN FOR SANITARY AND STORM STRUCTURE LOCATIONS.
 - REFER TO GENERAL LANDSCAPE ARCHITECTURE NOTES, SHEET L-100, PRIOR TO BEGINNING SITE CONSTRUCTION / IMPROVEMENTS.
 - PARTICIPATE IN THE PREINSTALLATION CONFERENCE ASSOCIATED WITH CONCRETE PLACEMENT AND JOINTING.
 - JOINTING IS TO BE PERFORMED WITH PRECISION AND IN A CRAFTSMAN LIKE MANNER, FOLLOWING GRAPHIC REPRESENTATION PROVIDED IN THE DRAWINGS. REVIEW MOCKUP REQUIREMENTS.
 - CONCRETE PAVING JOINTS SHALL BE SAW CUT (CONCENTRATION JOIN 'A', (DETAIL A6/L-701) UNLESS NOTED OTHERWISE.
 - REVIEW ISOLATION JOINT LOCATIONS WITH CIVIL ENGINEER AND ARCHITECT PRIOR TO CONCRETE LAYOUT AND PLACEMENT.
 - REFER TO DETAIL SHEETS FOR DETAILS ASSOCIATED WITH PAVEMENTS.
 - COORDINATE DIMENSIONAL AND ALIGNMENT LAYOUT OF PLAZA JOINTS WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
 - COORDINATE ISOLATION JOINT PLACEMENT WITH ARCHITECT PRIOR TO CONCRETE PLACEMENT.
 - COORDINATE WITH ARCHITECT AND PROVIDE MIN. 12'X12' MOCKUP OF PLAZA CONCRETE SHOWING FINISHING, SAW CUT JOINTING, ISOLATION JOINTING AND PLANTING BED OVER-FORMING/CUT-OUT, FOR APPROVAL. PLAZA FLATWORK MAY NOT BE ACCEPTED WITHOUT PRIOR APPROVAL OF MOCKUP. IT IS RECOMMENDED MOCKUP BE SEPARATE. IN-PLACE MOCKUP IS AT CONTRACTOR'S DISCRETION AND WILL NOT INFLUENCE MOCKUP ACCEPTANCE. IN-PLACE MOCKUP MUST COORDINATE WITH PROPOSED ISOLATION JOINT LAYOUT.
 - PATCH REPAIR AND RESTORE EXISTING FINISHES, SURFACES, PAVEMENT, CURBS AND IMPROVEMENTS DAMAGED OR DISTURBED BY CONSTRUCTION TO "AS NEW CONDITION" AFTER WORK IS COMPLETE, AND IS REQUIRED TO MATCH SURROUNDING MATERIALS OR TO PROVIDE APPROPRIATE SUBSTRATE PRIOR TO INSTALLING NEW FINISHES/SURFACES/IMPROVEMENTS. AREAS NOTED TO BE PATCHED OR REPAIRED ON THE DRAWINGS ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
 - PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
 - REPAIR EXISTING UNPAVED AND STONE PAVED AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITIONS AFTER WORK IS COMPLETE.
 - REFER TO SHEETS C202 THRU C204 FOR DETAILS REFERENCED.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

KEYNOTE LEGEND

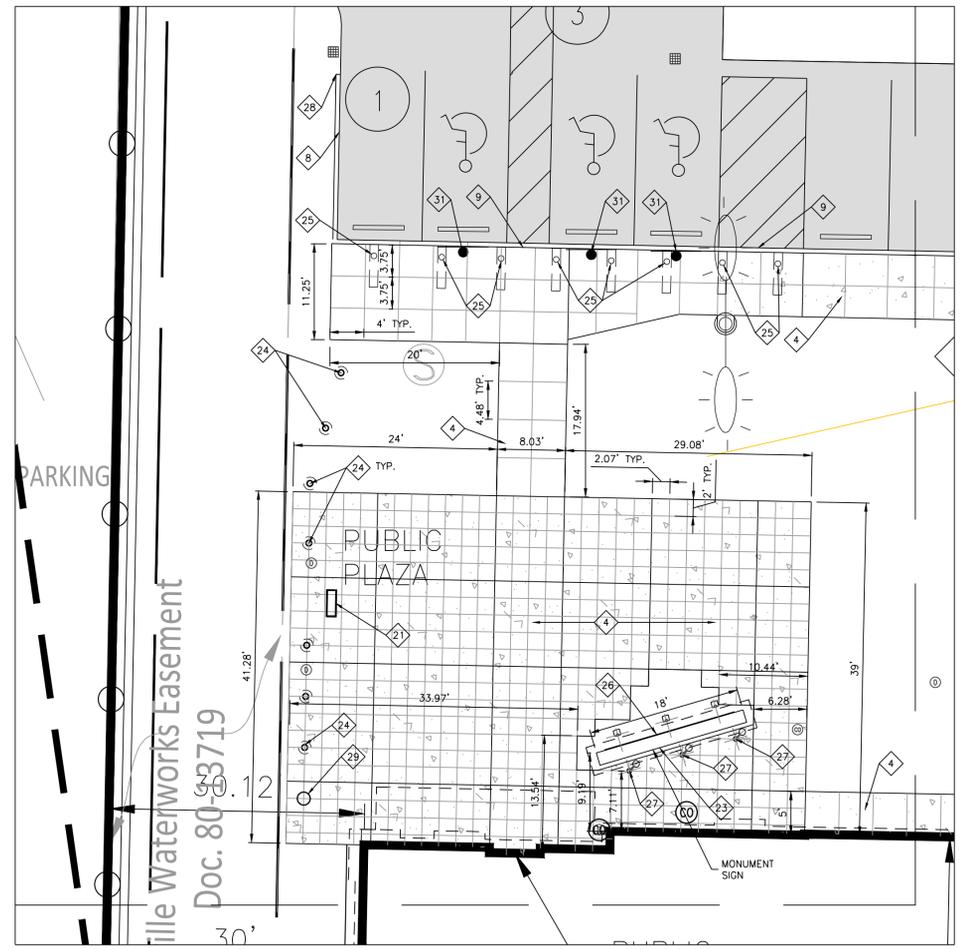
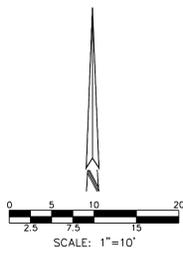
11	CONCRETE ACCESS RAMP, TYPE B
12	FENCES AND GATES, AUTOMATED SECURITY GATE
13	FENCES AND GATES, CHAIN LINK, 8' HT
14	SECTION PERIMETER FENCE RETAINING WALL WITH FENCES AND GATES, CHAIN LINK
15	SECTION MECHANICAL YARD RETAINING WALL (DTL A6 ON C-205) WITH FENCE MECHANICAL YARD SCREEN (DTL A7 AND A8, ON C-205)
16	GATE FOR MECHANICAL YARD SCREEN (DTL A8 ON C-205)
17	SECTION CONCRETE STOOP AND RAMP (DTL C4 ON C-204)
18	METAL RAILING (DTL D4, D6, D7 ON C-204) GROUND MOUNT TYPE, 316 STAINLESS STEEL
19	FENCES AND GATES, CHAIN LINK, 8' HT - IMPOUND LOT
20	FENCES AND GATES, GATE FOR CHAIN LINK, 8' HT - MATCH EXISTING IMPOUND LOT GATE WIDTH
21	MEMORIAL WITH THICKENED CONCRETE SLAB
22	PRECAST CONCRETE BLOCK WALL (DTL A5 ON C-204)
23	PRECAST ARCHITECTURAL CONCRETE SIGN WALL (DTL A3 ON C-206)
24	METAL FABRICATION, BOLLARD, 6" (DTL C2 ON C-204)
25	METAL FABRICATION, BOLLARD, 8" (DTL F5 ON C-205)
26	DIMENSIONAL LETTER SIGNAGE, TYPE 316 STAINLESS STEEL (DTL D7 ON C-204)
27	FLAGPOLE, GROUND MOUNT, 35' EXPOSED HEIGHT CONCRETE CURB, END TAPER (DTL B1 ON C-206)
28	SITE FURNISHING, LITTER RECEPTACLE
29	SITE FURNISHING, SEE PLANTING PLAN
30	SIGN, ACCESSIBLE PARKING
31	SIGN, RESERVED FOR EVIDENCE RECEIVING
32	TEMPORARY AGGREGATE SURFACING, DRIVEWAY STONE - REMOVE UPON COMPLETION OF PROPOSED PARKING AREA. SEE PLANTING PLAN.
33	

KEYNOTE LEGEND

1	ASPHALT PAVING, MEDIUM DUTY (DTL A1 ON C-206)
2	ASPHALT PAVING, HEAVY DUTY (DTL A2 ON C-206)
3	MILL AND RESURFACE ASPHALT PAVING, 2" DEPTH PATCH
4	CONCRETE PAVING (DTL B2 ON C-206)
5	CONCRETE PAVING, STANDARD, HEAVY DUTY (DTL B2 ON C-206)
6	AGGREGATE SURFACING, DRIVEWAY STONE (DTL E4 ON C-206)
7	AGGREGATE SURFACING, MAINTENANCE STRIP (DTL F4 ON C-206)
8	CONCRETE CURB, VERTICAL (DTL D3 ON C-206)
9	CONCRETE CURB, FLUSH (DTL D2 ON C-206)
10	CONCRETE STOOP (DTL C4 ON C-204)



FUEL STATION
SCALE: 1"=10'



PLAZA
SCALE: 1"=10'

ADDENDUM #01 NOTE: SHEET REISSUED WITH NEW SHEET NUMBER.

File Name: C:\2019\190064\20000\Coord\Eng\CD\19-C200-C203_Site Plans.dwg, October 20, 2022 11:55 PM, ELAINE IVY, © Pocatelli Corp, Inc.
 Plot File Name:

**INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY**
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 East 49th Street
Indianapolis, Indiana 46205
317-536-8000

COVERING THE USE OF STANDARD
DETAILS FROM PREVIOUS POLICE POST
AND FORENSICS LABORATORY PROJECTS

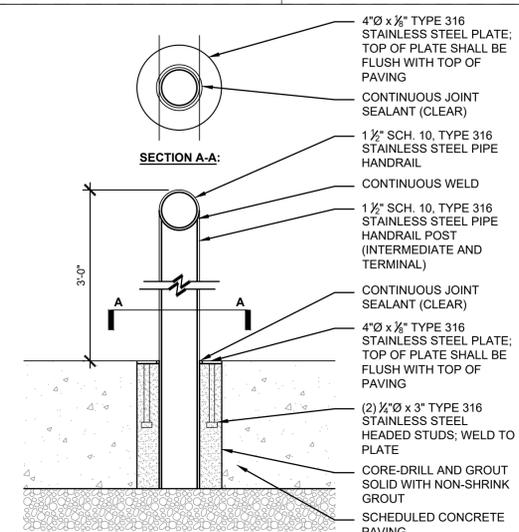
SEAL / DATE	DRAWN BY
	EBL, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	19064-20000

REISSUE	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	09/13/22
3	AGENCY RESPONSES	10/20/22

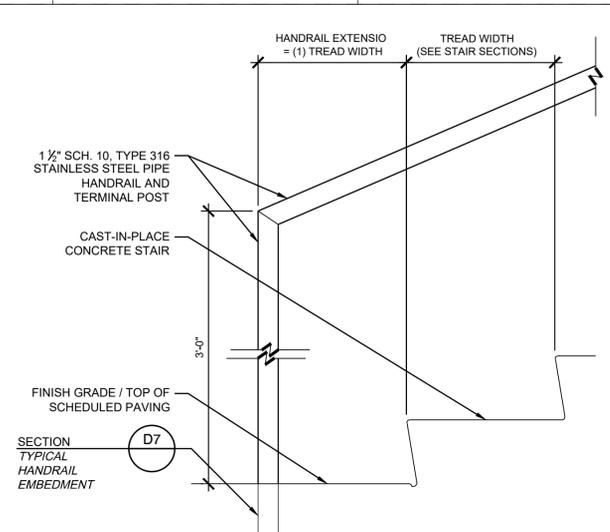
PROJECT NO.	00100-18-023-D1 ISP
SHEET TITLE	SITE DETAILS
SHEET NUMBER	C-204

RATIO
CONSTRUCTION DOCUMENTS
COPYRIGHT NOTICE: THESE ARCHITECTURAL AND ENGINEERING DRAWINGS ARE THE PROPERTY OF RATIO AND SHALL BE USED ONLY IN ACCORDANCE WITH THE AGREEMENT BETWEEN THE CLIENT AND RATIO. NO REPRODUCTION OR TRANSMISSION OF ANY KIND IS PERMITTED WITHOUT THE WRITTEN CONSENT OF RATIO. ALL DIMENSIONS ARE HEREBY SPECIFICALLY REFERENCED.

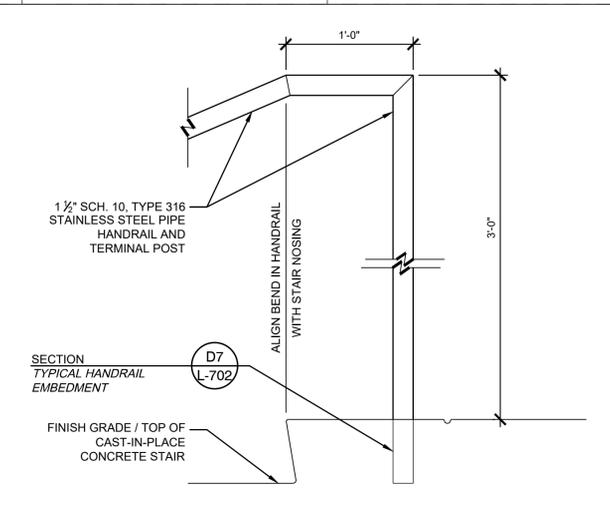
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE SITE DETAILS
SHEET NUMBER C-204



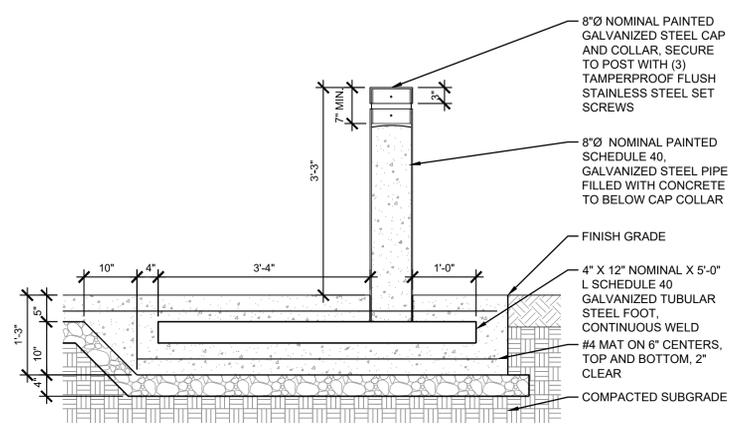
D7 SECTION | TYPICAL HANDRAIL EMBEDMENT
3/4" = 1'-0"



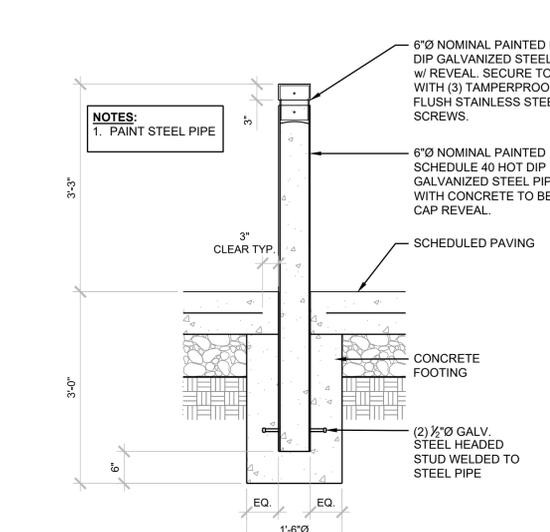
D4 ELEVATION | TYPICAL HANDRAIL @ STAIR BOTTOM
1 1/2" = 1'-0"



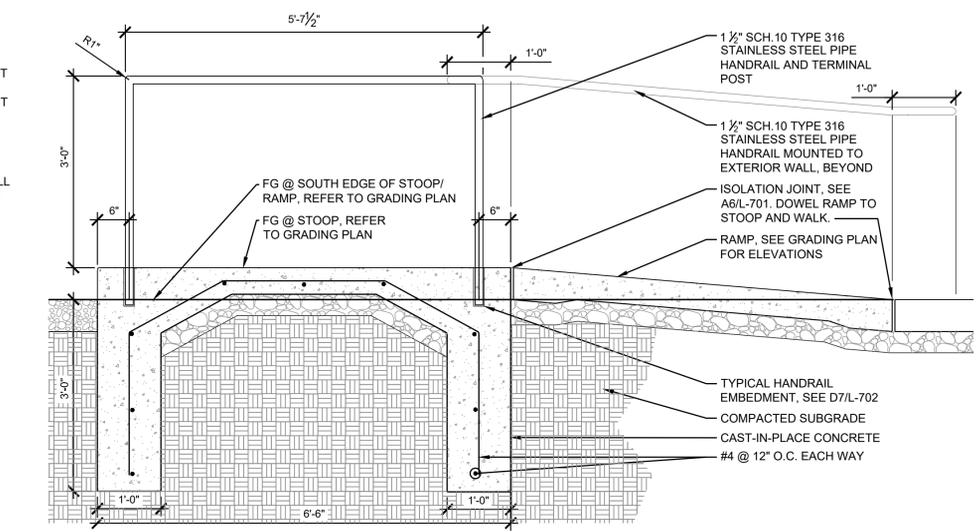
D6 ELEVATION | TYPICAL HANDRAIL @ STAIR TOP
1 1/2" = 1'-0"



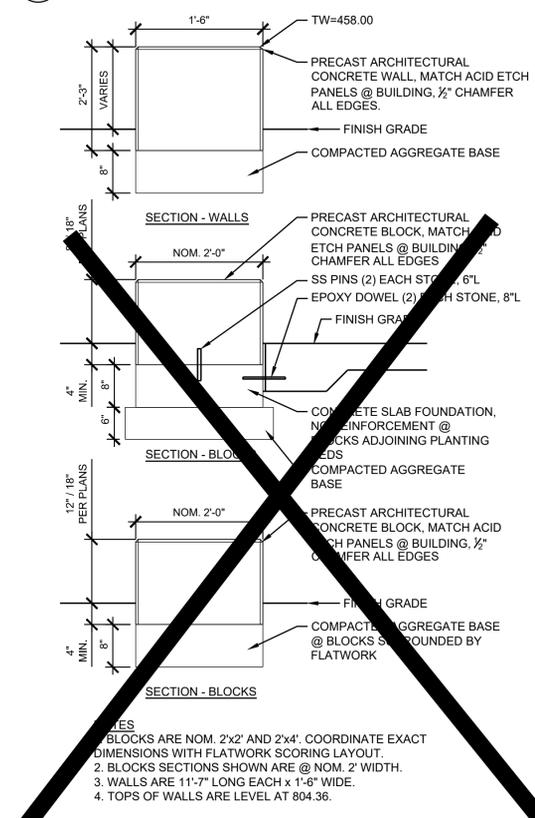
F5 SECTION | PIPE BOLLARD - CUSTOM
3/4" = 1'-0"



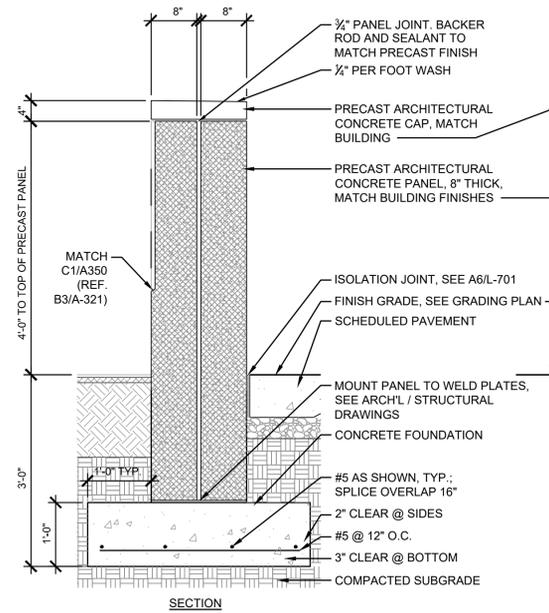
C2 SECTION | PIPE BOLLARD
3/4" = 1'-0"



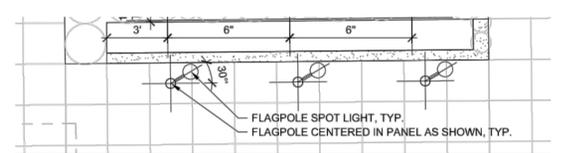
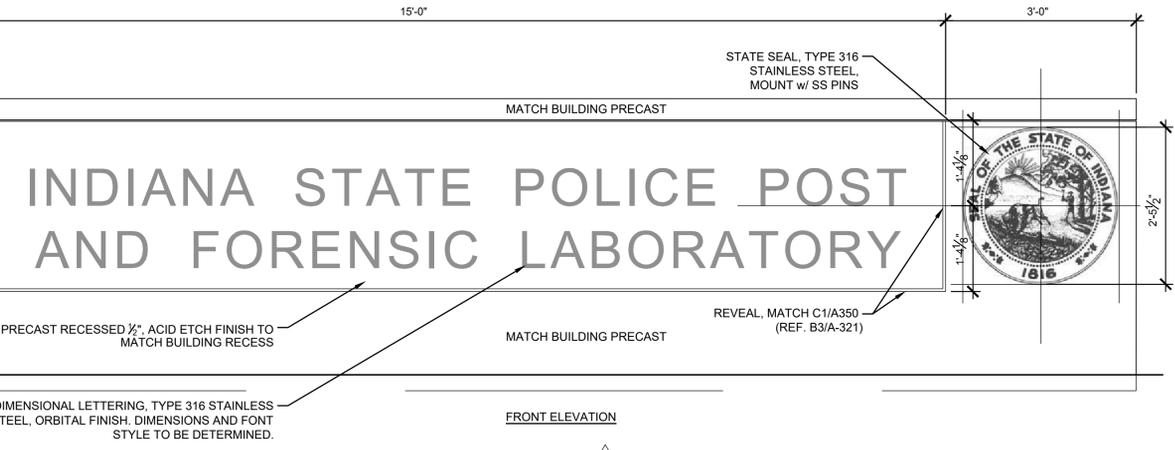
C4 SECTION | CONCRETE STOOP AND RAMP
3/4" = 1'-0"



A5 PRECAST CONCRETE BLOCK
3/4" = 1'-0"



A9 PRECAST ARCHITECTURAL CONCRETE SIGN
3/4" = 1'-0"

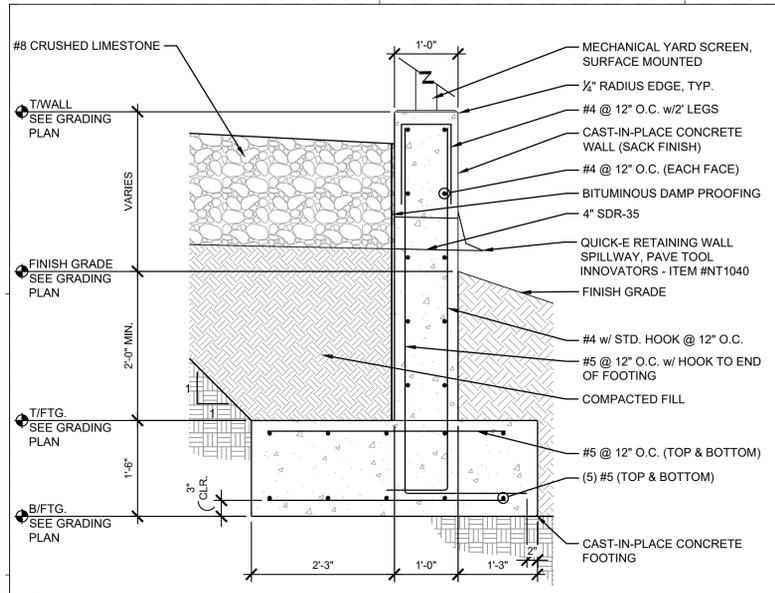


PLAN ENLARGEMENT

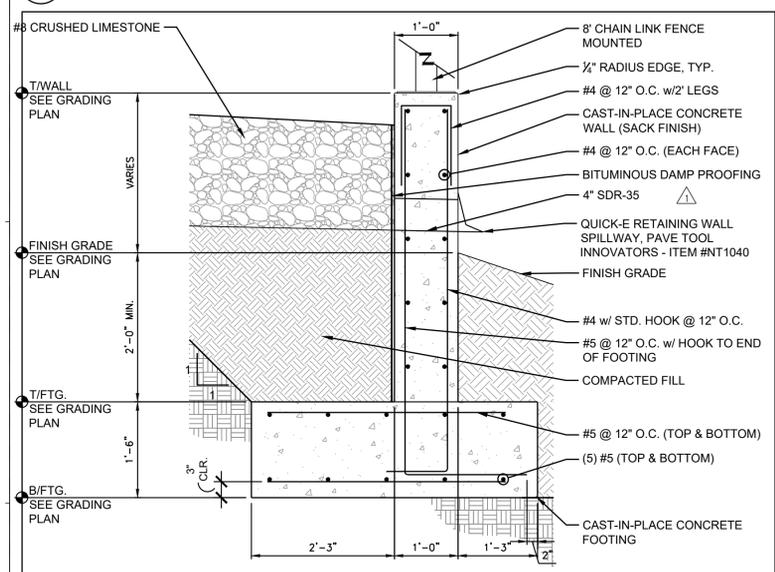
ADDENDUM #02 NOTE: LANDSCAPE SERIES REFERENCES REMOVED



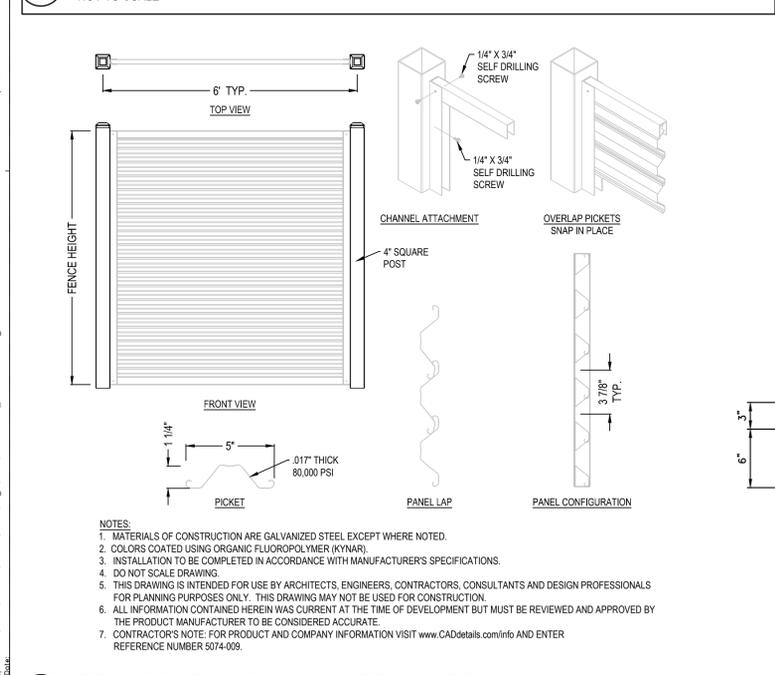
File Name: C:\2019\19064\20000\Coord\Eng\CD\A\C204-C204-01.dwg, October 20, 2022, 1:54 PM, ELAINE IVY, © Paul J. Cripe, Inc.
 Plot Date: 10/20/22 1:54 PM



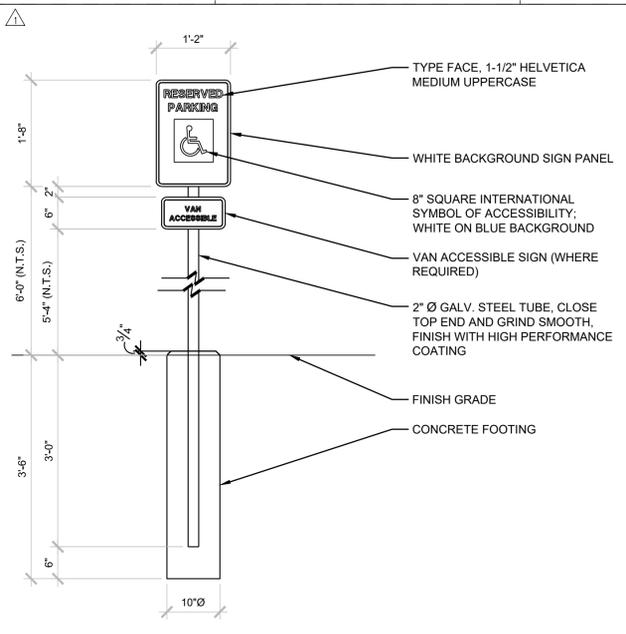
A6 SECTION | MECHANICAL YARD RETAINING WALL
3/4" = 1'-0"



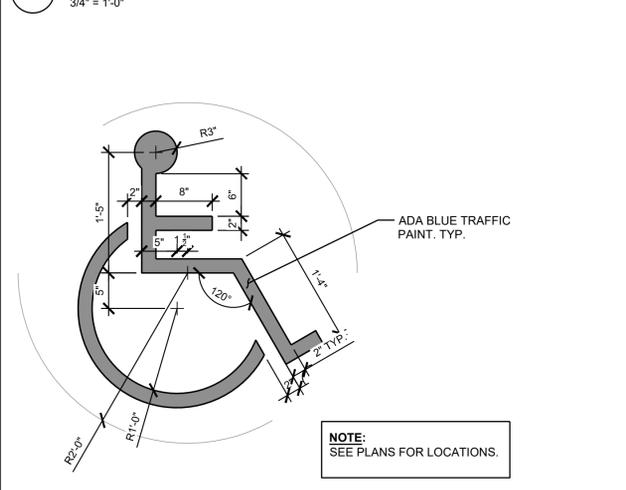
A7 SECTION | PERIMETER FENCE RETAINING WALL
NOT TO SCALE



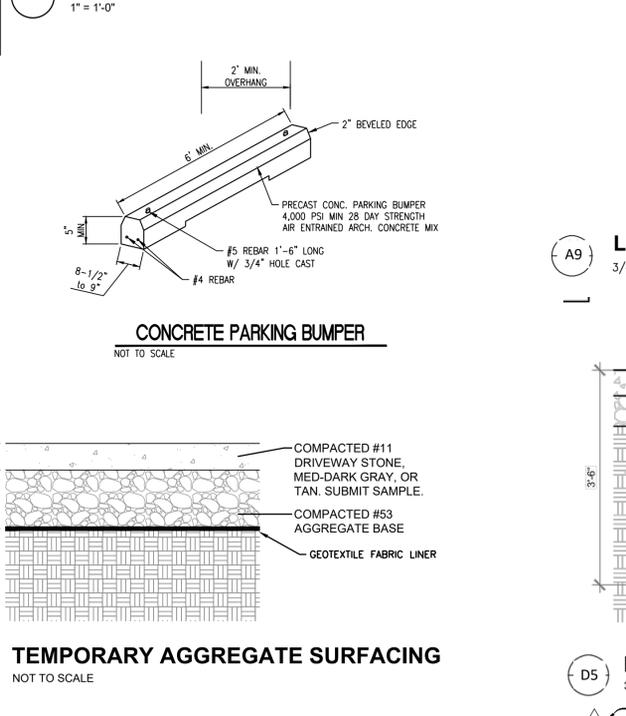
A8 FENCE | MECHANICAL YARD SCREEN
1/2" = 1'-0"



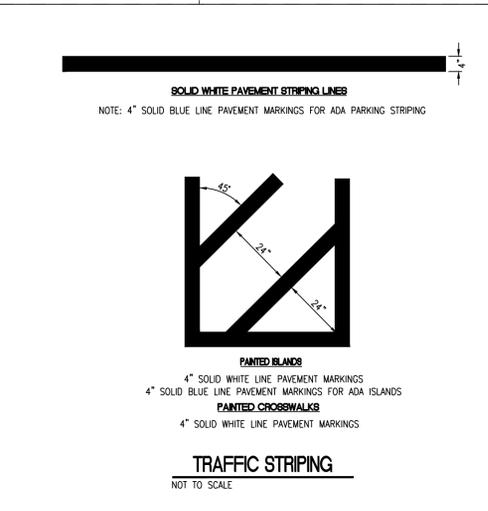
F7 ACCESSIBLE PARKING SIGNAGE
3/4" = 1'-0"



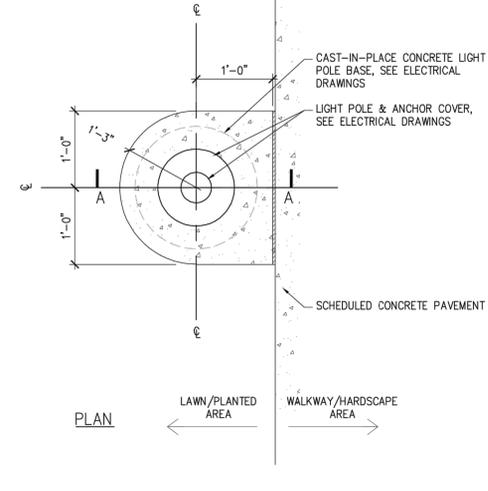
B7 ACCESSIBILITY SYMBOL
1" = 1'-0"



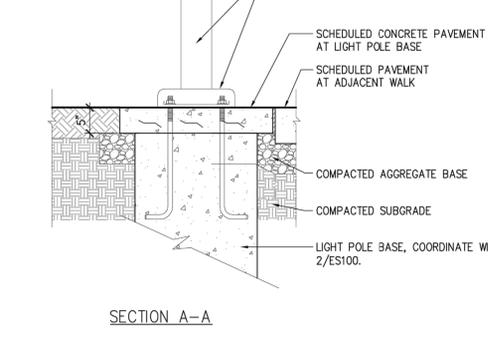
TEMPORARY AGGREGATE SURFACING
NOT TO SCALE



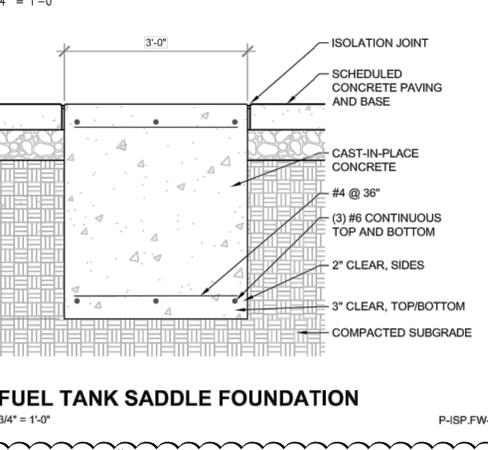
TRAFFIC STRIPING
NOT TO SCALE



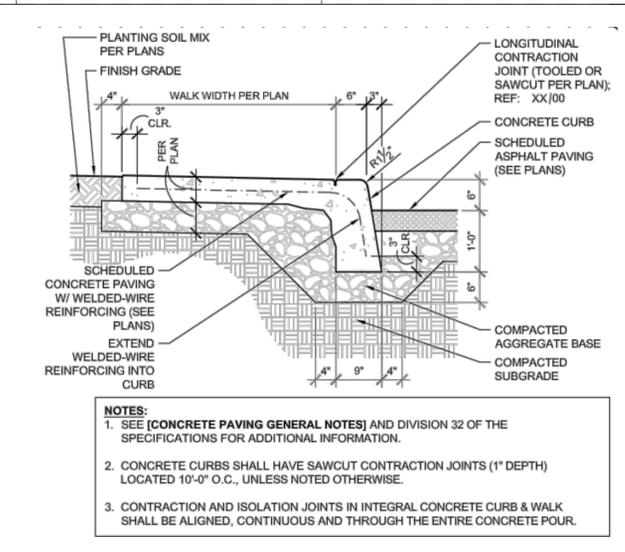
A9 LIGHT POLE BASE TREATMENT @ WALKWAY EDGE
3/4" = 1'-0"



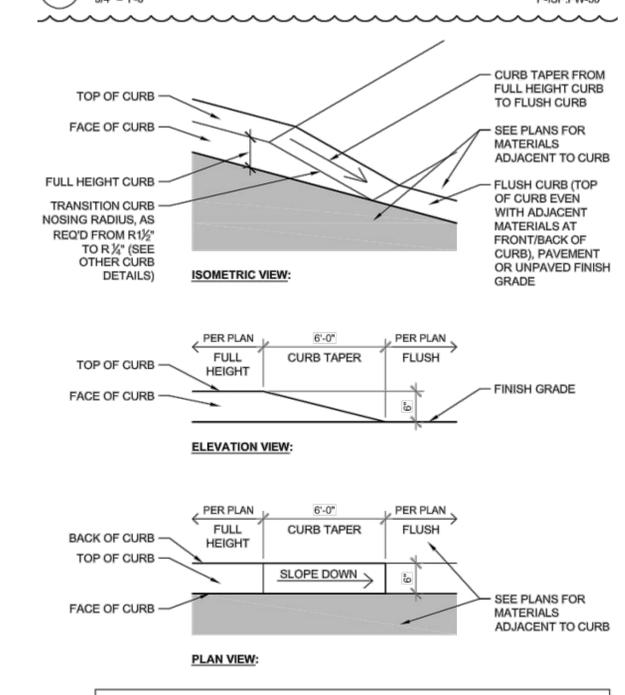
C7 ACHD TAPER @ CONCRETE CURB (VERTICAL)
3/4" = 1'-0"



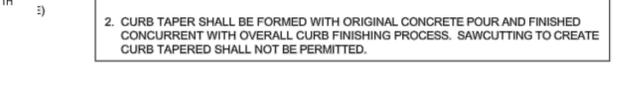
D5 FUEL TANK SADDLE FOUNDATION
3/4" = 1'-0"



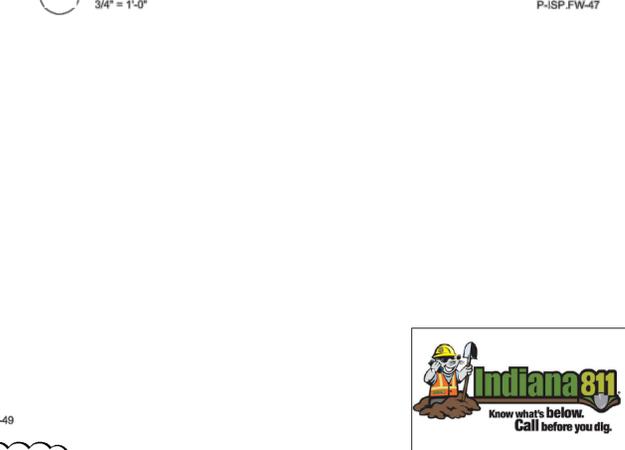
F7 INTEGRAL CONCRETE CURB & WALK
3/4" = 1'-0"



NOTES:
1. SEE [CONCRETE PAVING GENERAL NOTES] AND DIVISION 32 OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CURB TAPER SHALL BE FORMED WITH ORIGINAL CONCRETE POUR AND FINISHED CONCURRENT WITH OVERALL CURB FINISHING PROCESS. SAWCUTTING TO CREATE CURB TAPERED SHALL NOT BE PERMITTED.



CONCRETE PARKING BUMPER
NOT TO SCALE



TEMPORARY AGGREGATE SURFACING
NOT TO SCALE

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3031

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

COVERING THE USE OF STANDARD DETAILS FROM PREVIOUS POLICE POST AND FORENSICS LABORATORY PROJECTS

SEAL DATE	DRAWN BY
	EBI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190044-2000

REISSUE	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	08/30/22
3	ADDENDUM #03	09/13/22
4	ADDENDUM #04	09/14/22
5	AGENCY RESPONSES	10/20/22

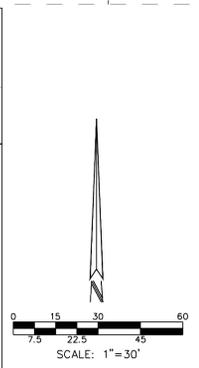
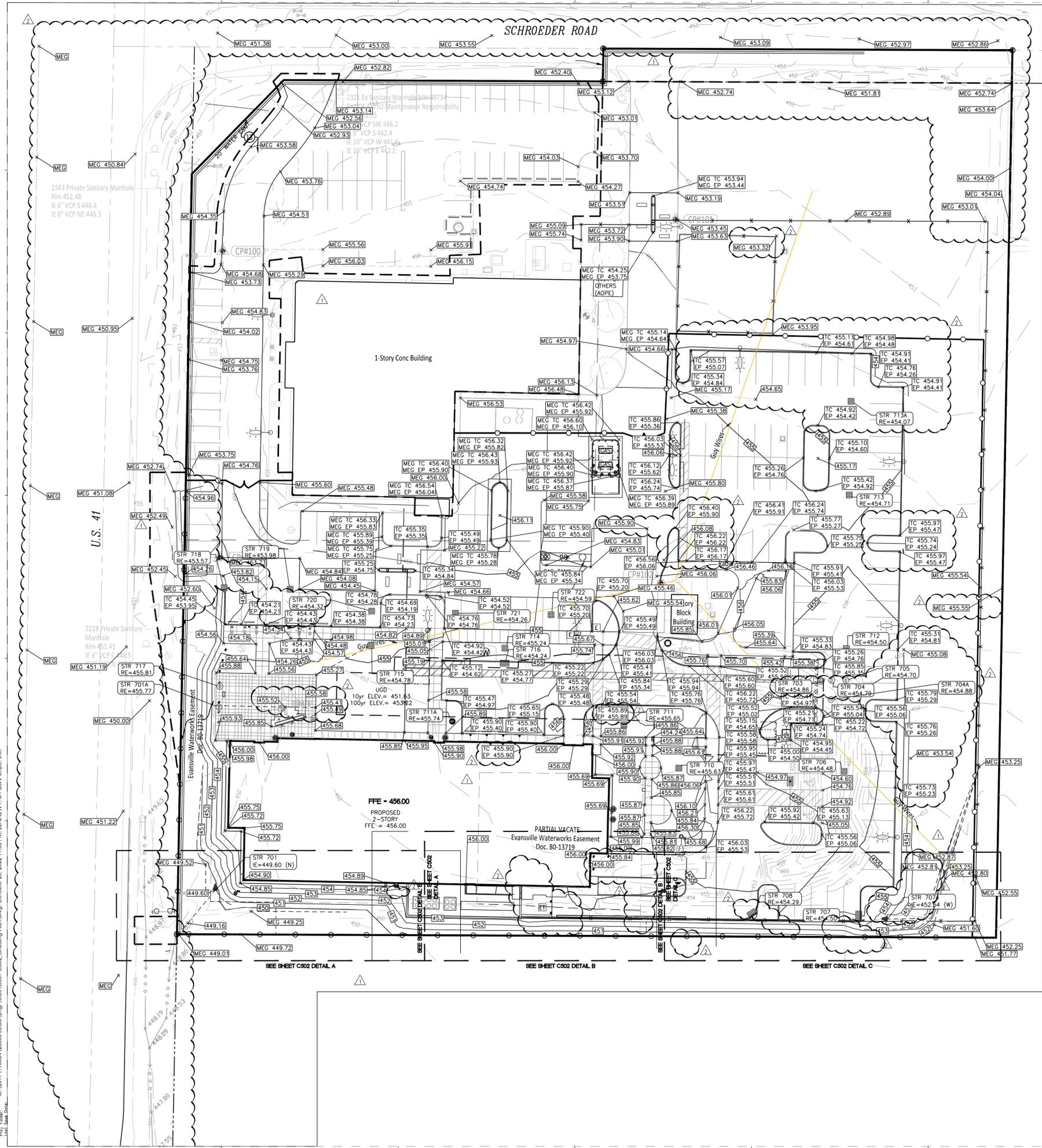
PROJECT NO.	00100-18-023-D1 ISP
SHEET TITLE	SITE DETAILS
SHEET NUMBER	C-205

RATIO
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE SITE DETAILS
SHEET NUMBER C-205

INDIANA 811
Know what's below. Call before you dig.
811 FOR CALLS IN INDIANA 1-800-382-5544
CALL TOLL FREE

C:\30191\190644\30000\Coord\Eng\CD\301-C204-C205_Site_Details.dwg, October 20, 2022 1:58 PM, ELAINE IVY, © Paul J. Cripe, Inc.

SCHROEDER ROAD



GRADING PLAN LEGEND

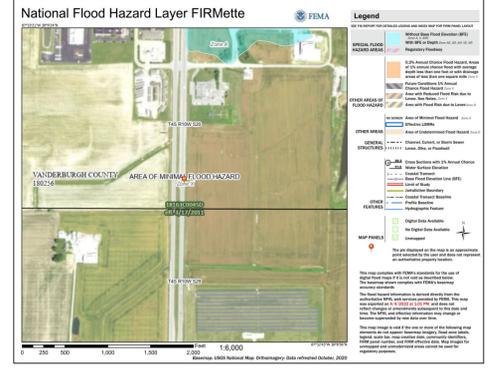
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- PROPOSED SWALE
- PROPOSED SWALE WITH SUB-SURFACE DRAIN
- GRADE BREAK LINE
- FLOOD ROUTE PATH
- DRAINAGE FLOW ARROW
- PROPOSED GRADE
- MATCH EXISTING GRADE
- PROPOSED TOP OF CURB
- PROPOSED EDGE OF PAVEMENT
- PROPOSED TOP OF WALL
- PROPOSED BOTTOM OF WALL
- FINISHED FLOOR ELEVATION
- RIM ELEVATION

GRADING PLAN NOTES

1. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. TOPOGRAPHIC AND PLANNING INFORMATION FROM PHOTOGRAPHIC COMPILATION HAS BEEN PROVIDED BY OTHERS. THE ACCURACY HAS NOT BEEN CONFIRMED BY CRP. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD.
3. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
4. RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
5. PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
6. BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS SHALL BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
7. ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETED.
8. TOPSOIL SHALL BE PLACED IN LAWN, LANDSCAPE, MOUNDING AND NONSTRUCTURAL FILL AREAS. UPON COMPLETION OF MASS EARTHWORK, TOPSOIL SHALL BE SPREAD TO A DEPTH OF FOUR TO SIX (4 TO 6) INCHES IN AREAS LISTED ABOVE. TOPSOIL SHALL NOT BE UTILIZED AS STRUCTURAL FILL IN PAVED AREAS.
9. CONTRACTOR SHALL PRESERVE EXISTING TREES WHEREVER POSSIBLE. CLEARING LIMITS SHALL CONSIST OF ALL TREES WITHIN PAVED AREAS, UTILITY INSTALLATION LIMITS, AND CUT/FILL AREAS.
10. A GEOTECHNICAL REPORT HAS BEEN PROVIDED FOR THIS PROJECT FOR REFERENCE. CONTRACTOR TO REVIEW PRIOR TO START OF CONSTRUCTION.
11. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

FLOODPLAIN NOTES

1. THE SITE IS LOCATED WITHIN THE FLOOD HAZARD ZONE "X" PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 18163C00450, REVISED MARCH 17, 2011.



INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
6449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Crjpe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL / DATE	DRAWN BY
	EBI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190044-20000

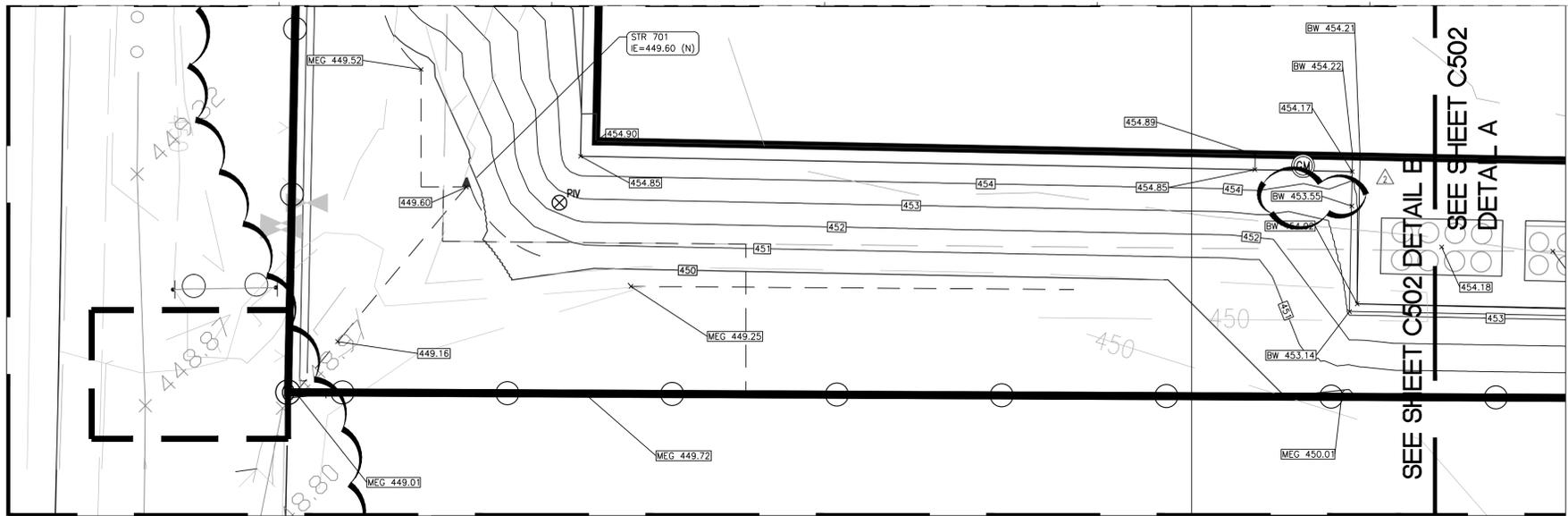
REISSUE	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	09/13/22
3	AGENCY RESPONSES	10/20/22

RATIO

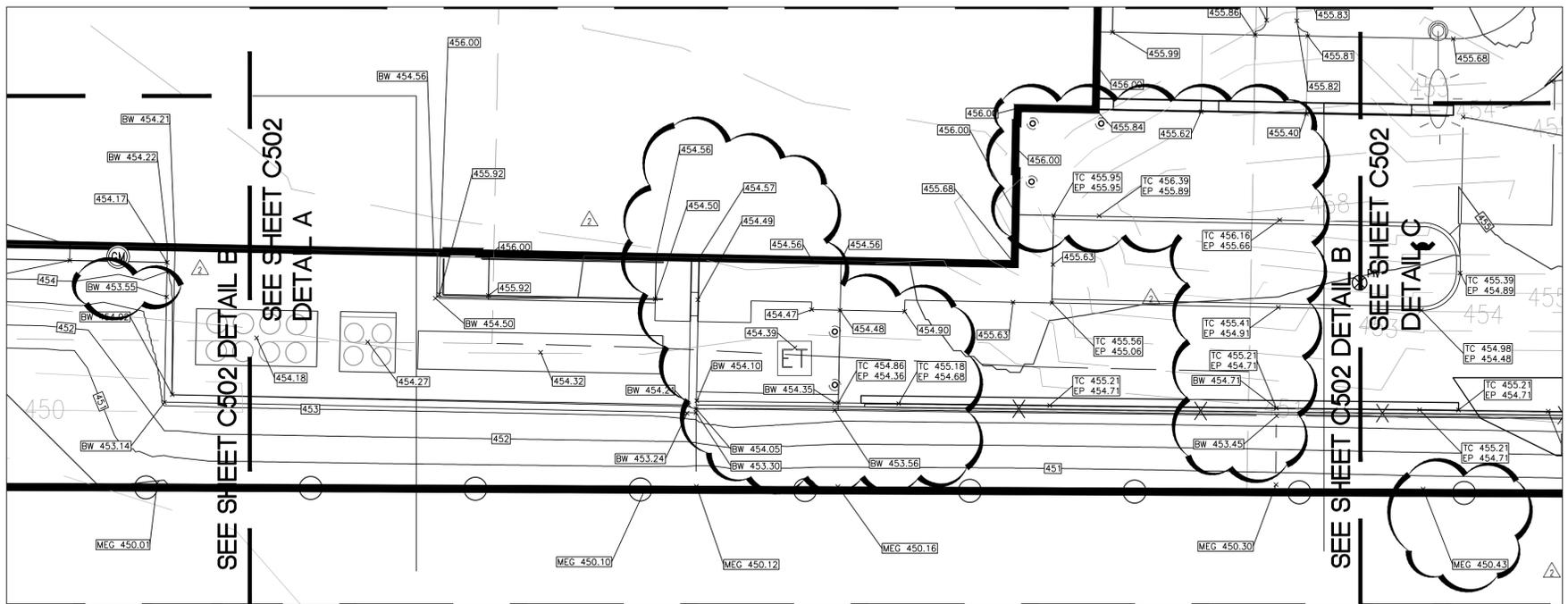
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE GRADING PLAN
SHEET NUMBER C-301



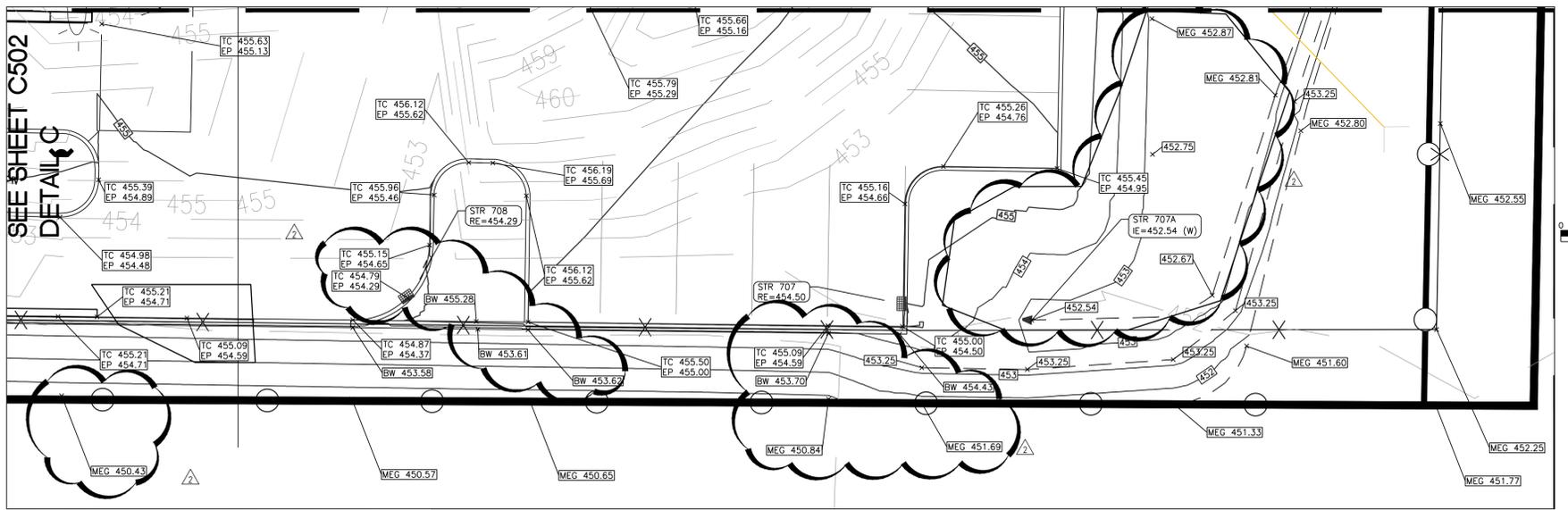
C:\2019\19004A\20000\CAD\Eng\CD\301-C302_Grading Plan.dwg, October 20, 2022 11:56 PM, ELAINE IVY, © Paul I. Crjpe, Inc.
 Proj. Folder: C:\2019\19004A\20000\CAD\Eng\CD\301-C302_Grading Plan.dwg, October 20, 2022 11:56 PM, ELAINE IVY, © Paul I. Crjpe, Inc.
 User: Elaine Ivy, Date: 10/20/22, Time: 11:56 AM



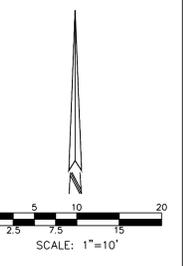
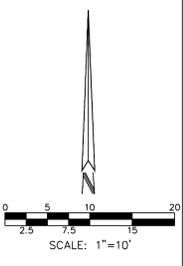
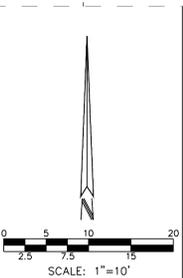
UTILITY DETAIL A
SCALE 1" = 10'



UTILITY DETAIL B
SCALE 1" = 10'



UTILITY DETAIL B
SCALE 1" = 10'

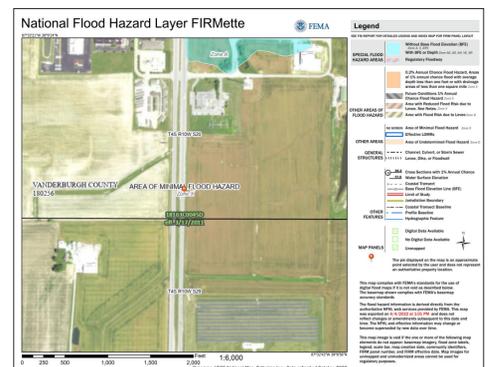


GRADING PLAN LEGEND

	PROPOSED 1' CONTOUR		PROPOSED GRADE
	PROPOSED 5' CONTOUR		MATCH EXISTING GRADE
	PROPOSED SWALE		PROPOSED TOP OF CURB
	PROPOSED SWALE WITH SUB-SURFACE DRAIN		PROPOSED EDGE OF PAVEMENT
	GRADE BREAK LINE		PROPOSED TOP OF WALL
	FLOOD ROUTE PATH		PROPOSED BOTTOM OF WALL
	DRAINAGE FLOW ARROW		FINISHED FLOOR ELEVATION
			RIM ELEVATION

- GRADING PLAN NOTES**
- UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - TOPOGRAPHIC AND PLANNING INFORMATION FROM PHOTOGRAPHIC COMPILATION HAS BEEN PROVIDED BY OTHERS. THE ACCURACY HAS NOT BEEN CONFIRMED BY CRPE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD.
 - ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
 - RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
 - PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
 - BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS SHALL BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
 - ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETED.
 - TOPSOIL SHALL BE PLACED IN LAWN, LANDSCAPE, MOUNDING AND NONSTRUCTURAL FILL AREAS. UPON COMPLETION OF MASS EARTHWORK, TOPSOIL SHALL BE SPREAD TO A DEPTH OF FOUR TO SIX (4 TO 6) INCHES IN AREAS LISTED ABOVE. TOPSOIL SHALL NOT BE UTILIZED AS STRUCTURAL FILL IN PAVED AREAS.
 - CONTRACTOR SHALL PRESERVE EXISTING TREES WHEREVER POSSIBLE. CLEARING LIMITS SHALL CONSIST OF ALL TREES WITHIN PAVED AREAS, UTILITY INSTALLATION LIMITS, AND CUT/FILL AREAS.
 - A GEOTECHNICAL REPORT HAS BEEN PROVIDED FOR THIS PROJECT FOR REFERENCE. CONTRACTOR TO REVIEW PRIOR TO START OF CONSTRUCTION.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

- FLOODPLAIN NOTES**
- THE SITE IS LOCATED WITHIN THE FLOOD HAZARD ZONE "X" PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 18163C00450, REVISED MARCH 17, 2011.



INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Crife
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY
	EBI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	19064-2000

REISSUE	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	09/13/22
3	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE GRADING ENLARGEMENT
SHEET NUMBER C-302



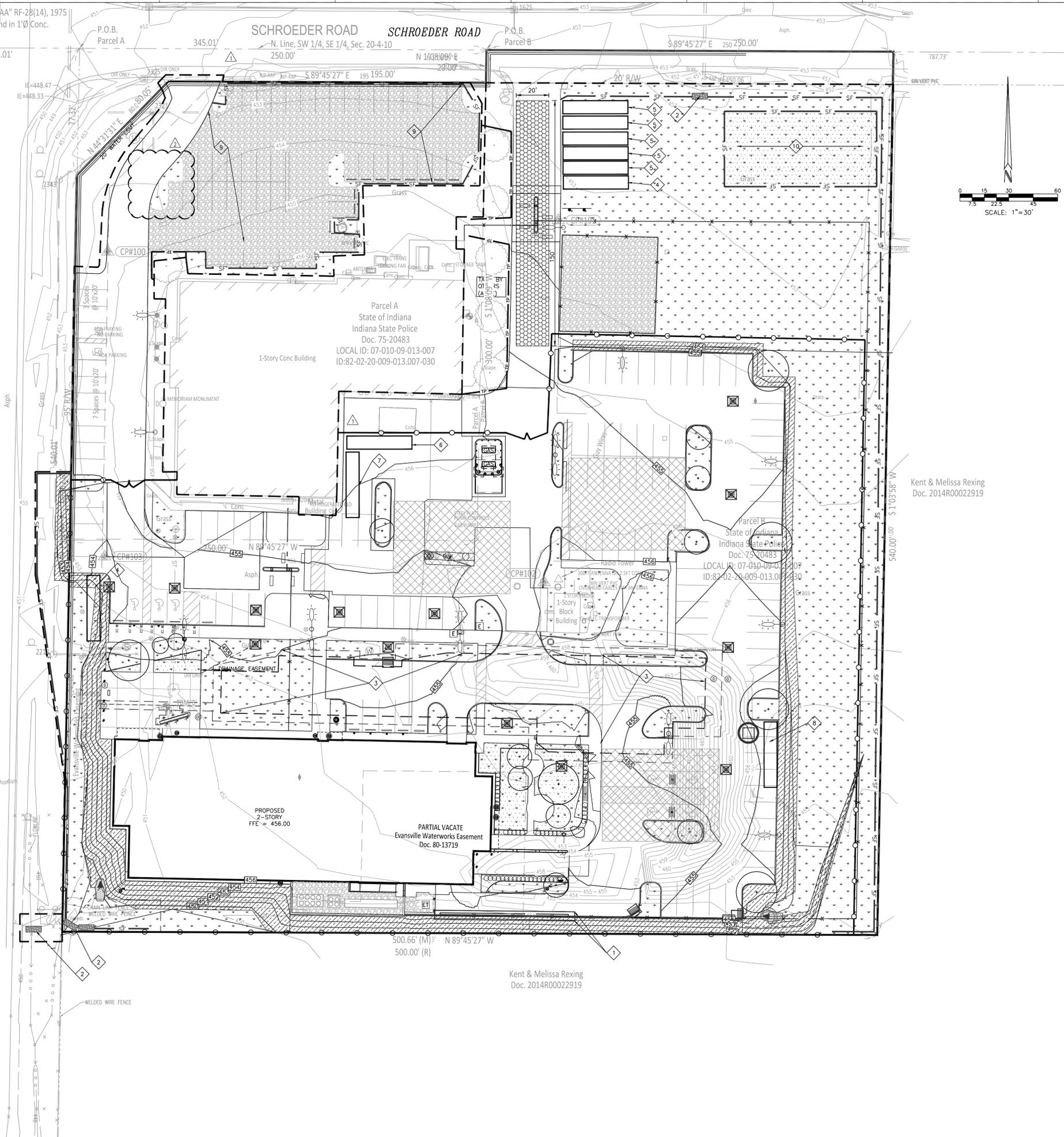
C:\301\PA\19064\20000\Cad\Eng\CD\301-C302_Grading Plan.dwg, October 20, 2022 11:57 PM, ELAINE IVY, © Paul L. Crife, Inc.

ADDENDUM #01 NOTE: SHEET ISSUED IN ITS ENTIRETY

POT 673+21.3 "AA" RF-28(14), 1975
3/4" Rebar Found in 1'0" Conc.

U.S. 41
Indiana State Highway Plan No. F28(aa,1963)
U.S. 41
N-S Centerline, Sec. 20-4-10

C:\2019\19064\20000\Cad\Eng\CD\1_SWPFF Plan.dwg, October 20, 2022 11:57 PM, ELAINE VY, © Paul J. Cripe, Inc.



STORMWATER POLLUTION PREVENTION PLAN LEGEND

	CONSTRUCTION FENCING		TREE PRESERVATION FENCING
	SILT FENCE BARRIER INSTALLATION		CONSTRUCTION LIMITS
	PERMANENT SEEDING WITH EROSION CONTROL BLANKET (NAG SC150 OR EQUAL)		TEMPORARY SEEDING
	PERMANENT SEEDING		TEMPORARY CONSTRUCTION INGRESS/EGRESS DRIVE. UTILIZE THE EXISTING ASPHALT AREA. CONTRACTOR SHALL REPAIR ALL DAMAGED ASPHALT WITHIN THE AREA UPON COMPLETION OF THE PROJECT AND SHALL MEET THE STANDARDS AS DICTATED ON DETAILS.
	GEOTEXTILE FABRIC YARD DROP INLET PROTECTION		CONTRACTOR STAGING AREA. ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPREAD TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
	INSERT (BAG) INLET PROTECTION		CONCRETE WASHOUT
	INSERT (BAG) CURB INLET PROTECTION WITH CURB FILTER		TRAVERSABLE CHECK DAM
	PERMANENT CONCRETE END SECTION RIPRAP (UPPER AND LOWER INV)		GRAVEL DONUT INLET PROTECTION
	NPDES PUBLIC POSTING SIGN		

- ### STORMWATER POLLUTION PREVENTION PLAN NOTES
- REFER TO SHEET C403 FOR SOILS MAP AND SOIL CHARACTERISTICS.
 - REFER TO SHEET C402 TO C403 FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS.
 - REFER TO PLANTING PLANS FOR PLANTING DETAILS. ANY MOUNDING NOTED ON PLANTING PLANS SHALL NOT CHANGE THE DRAINAGE PATTERN NOTED IN THE GRADING PLAN SERIES 300'S.
 - SILT FENCE BARRIER TO BE INSTALLED PRIOR TO CONSTRUCTION.
 - EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
 - REFER TO THE STORMWATER POLLUTION PREVENTIONS NOTES SHEET C-404 FOR ALL EROSION CONTROL MEASURES, SCHEDULES, AND SEQUENCES.
 - CONTRACTOR TO PROVIDE A STABLE TEMPORARY GRAVEL CONSTRUCTION INGRESS/EGRESS CONDITION FROM THE CONSTRUCTION SITE TO KEEP MUD AND SEDIMENT OFF PUBLIC ROADS.
 - EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED AT LEAST ONCE A WEEK AND MAKE REPAIRS IMMEDIATELY AFTER PERIODS OF 1/2" RAINFALL OR GREATER.
 - STORMWATER DISCHARGE WILL NOT ENTER THE GROUNDWATER FOR THIS PROJECT.
 - THE 100 YEAR FLOODPLAIN FLOODWAYS ARE NOT PRESENT.
 - PRESENCE OF HYDRIC SOILS: IVA SILT LOAM.
 - CONTRACTOR SHALL PROVIDE VANDERBURGH COUNTY WITH A NARRATIVE DESCRIBING THE CONSTRUCTION SEQUENCE, INCLUDING START DATES FOR EACH LAND DISTURBING ACTIVITY.
 - DEWATERING METHOD SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO IMPLEMENTATION.
 - UNDERGROUND DETENTION AREA - INSTALL SYSTEM PER MANUFACTURER'S CONSTRUCTION GUIDE. PROVIDE A MINIMUM OF 36" OF STABILIZED COVER OVER CHAMBERS PRIOR TO ALLOWING CONSTRUCTION EQUIPMENT TO TRAVERSE THE UNDERGROUND DETENTION AREA.
 - UNDERGROUND DETENTION AREA - STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SPOILS, ETC. SHALL NOT BE LOCATED OVER DETENTION CHAMBERS.
 - AT COMPLETION OF CONSTRUCTION REMOVE ALL TEMPORARY CONSTRUCTION MEASURES INCLUDING FENCING, TEMPORARY PAVING STONE, TEMPORARY GRAVEL, EXCESS FILL, ETC. REPAIR AREAS TO PRE-CONSTRUCTION OR PROPOSED CONDITIONS AS APPROPRIATE.
 - THE ACTUAL PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL SHALL BE DETERMINED DURING THE BIDDING PROCESS. THE AWARD WINNING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. ONCE DETERMINED, CONTRACTOR SHALL COORDINATE WITH THE CITY. REMOVAL OF SILT FENCE AND TEMPORARY SITE IS PART OF STORMWATER.
 - TREE PROTECTION FENCE DEFINES ROOT PROTECTION ZONES, WHICH ARE OFF LIMITS TO CONSTRUCTION RELATED ACTIVITY (INCLUDING DISTURBANCE, TRAFFIC, MATERIAL STORAGE, UTILITY INSTALLATION, ETC.) UNLESS OTHERWISE NOTED.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

STORMWATER POLLUTION PREVENTION PLAN SEQUENCE AND IMPLEMENTATION

- SEE SHEET C-404

KEYNOTE LEGEND

	TRENCH DRAIN INLET PROTECTION
	TRAVERSABLE CHECK DAM
	UNDERGROUND DETENTION SYSTEM AREA
	PEPPER SEMI TRAILER
	CONTRACTOR OFFICE/ STORAGE TRAILER
	BREAK TRAILER
	CONSTRUCTION BATHROOMS
	DUMPSTER
	TEMPORARY PARKING FOR EXISTING POLICE POST. ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPREAD TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
	TOPSOIL STOCKPILE, CONTRACTOR SHALL NOT BLOCK DRAINAGE TO CULVERT WITH TOPSOIL

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL / DATE	DRAWN BY EBI, PE
	CHECKED BY DK, PE
	APPROVED BY SP, PE
	PIC NUMBER 19064-20000

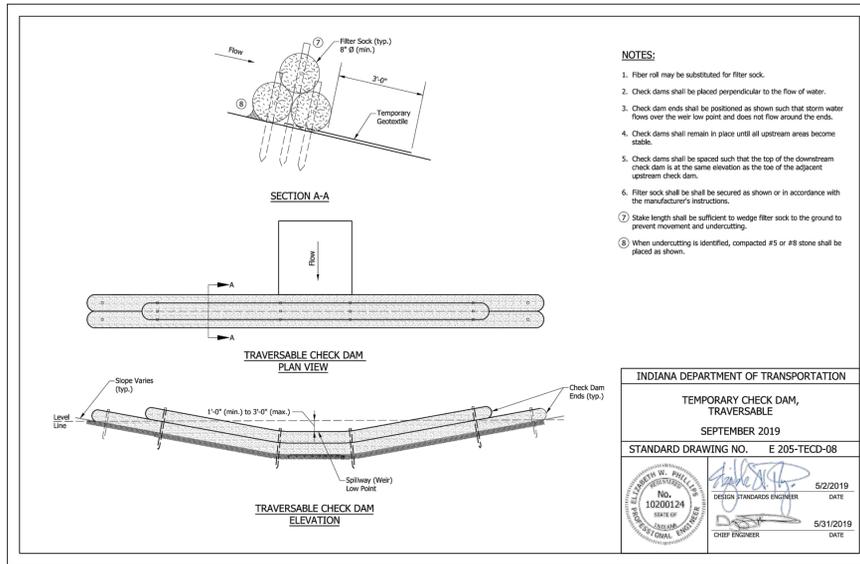
REISSUE	
CONSTRUCTION DOCUMENTS	07/15/22
1 ADDENDUM #01	08/26/22
PERMIT SET	08/30/22
2 ADDENDUM #02	09/13/22
PERMIT SET	09/14/22
3 AGENCY RESPONSES	10/20/22

RATIO
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE

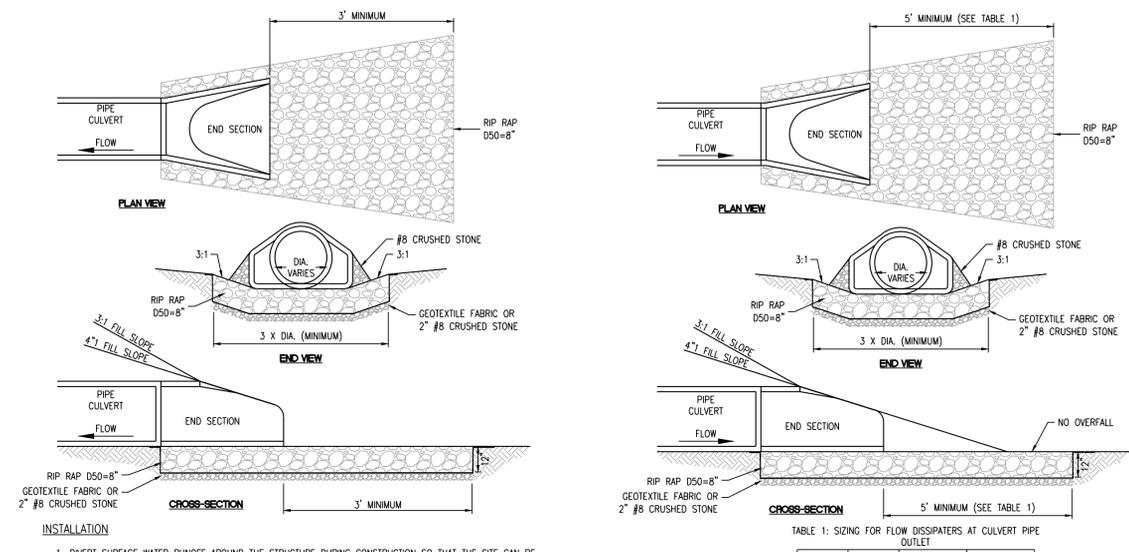
STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER
C-401





TEMPORARY TRAVERSABLE CHECK DAM
NOT TO SCALE



- INSTALLATION**
- DIVERT SURFACE WATER RUNOFF AROUND THE STRUCTURE DURING CONSTRUCTION SO THAT THE SITE CAN BE PROPERLY Dewatered FOR FOUNDATION PREPARATION.
 - EXCAVATE FOUNDATION AND APRON AREA SUBGRADES BELOW DESIGN ELEVATION TO ALLOW FOR THICKNESS OF THE FILTER MEDIUM AND RIPRAP.
 - COMPACT ANY FILL USED IN SUBGRADE PREPARATION TO THE DENSITY OF SURROUNDING UNDISTURBED SOIL.
 - SMOOTH SUBGRADE ENOUGH TO PROTECT GEOTEXTILE FABRIC FROM TEARING.
 - PLACE GEOTEXTILE FABRIC OR AGGREGATE BEDDING MATERIAL (FOR STABILIZATION AND FILTRATION) ON THE COMPACTED AND SMOOTHED FOUNDATION.
 - INSTALL RIPRAP TO THE LINES AND ELEVATIONS SHOWN IN THE CONSTRUCTION PLANS. BLEND RIPRAP SMOOTHLY TO SURROUNDING GRADE. IF THE CHANNEL IS WELL DEFINED, EXTEND THE APRON ACROSS THE CHANNEL BOTTOM AND UP THE CHANNEL BANKS TO AN ELEVATION OF SIX INCHES ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 - IF GEOTEXTILE FABRIC TEARS WHEN PLACING RIPRAP, REPAIR IMMEDIATELY BY LAYING AND STAPLING A PIECE OF FABRIC OVER DAMAGED AREA, OVERLAPPING THE UNDAMAGED AREAS BY AT LEAST 12 INCHES.
 - CONSTRUCT A SMALL PLUNGE POOL WITHIN THE OUTLET APRON (RIPRAP APRONS MUST BE LEVEL WITH OR SLIGHTLY LOWER THAN THE RECEIVING CHANNEL AND SHOULD NOT PRODUCE AN OVERFALL OR RESTRICT FLOW OF THE WATER CONVEYANCE STRUCTURE).
 - RIPRAP TO REMAIN UPON COMPLETION OF CONSTRUCTION.

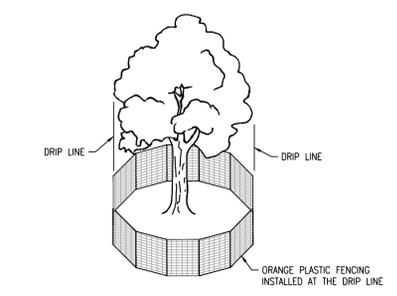
- MAINTENANCE**
- INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
 - INSPECT FOR STONE DISPLACEMENT; REPLACE STONES ENSURING PLACEMENT AT FINISHED GRADE.
 - CHECK FOR EROSION OR SCOURING AROUND SIDES OF THE APRON; REPAIR IMMEDIATELY.
 - CHECK FOR PIPING OR UNDERCUTTING; REPAIR IMMEDIATELY.

CONCRETE END SECTION RIPRAP (UPPER INVERT)
NOT TO SCALE

- INSTALLATION**
- DIVERT SURFACE WATER RUNOFF AROUND THE STRUCTURE DURING CONSTRUCTION SO THAT THE SITE CAN BE PROPERLY Dewatered FOR FOUNDATION PREPARATION.
 - EXCAVATE FOUNDATION AND APRON AREA SUBGRADES BELOW DESIGN ELEVATION TO ALLOW FOR THICKNESS OF THE FILTER MEDIUM AND RIPRAP.
 - COMPACT ANY FILL USED IN SUBGRADE PREPARATION TO THE DENSITY OF SURROUNDING UNDISTURBED SOIL.
 - SMOOTH SUBGRADE ENOUGH TO PROTECT GEOTEXTILE FABRIC FROM TEARING.
 - PLACE GEOTEXTILE FABRIC OR AGGREGATE BEDDING MATERIAL (FOR STABILIZATION AND FILTRATION) ON THE COMPACTED AND SMOOTHED FOUNDATION.
 - INSTALL RIPRAP TO THE LINES AND ELEVATIONS SHOWN IN THE CONSTRUCTION PLANS. BLEND RIPRAP SMOOTHLY TO SURROUNDING GRADE. IF THE CHANNEL IS WELL DEFINED, EXTEND THE APRON ACROSS THE CHANNEL BOTTOM AND UP THE CHANNEL BANKS TO AN ELEVATION OF SIX INCHES ABOVE THE MAXIMUM TAILWATER DEPTH OR THE TOP OF BANK, WHICHEVER IS LESS.
 - IF GEOTEXTILE FABRIC TEARS WHEN PLACING RIPRAP, REPAIR IMMEDIATELY BY LAYING AND STAPLING A PIECE OF FABRIC OVER DAMAGED AREA, OVERLAPPING THE UNDAMAGED AREAS BY AT LEAST 12 INCHES.
 - CONSTRUCT A SMALL PLUNGE POOL WITHIN THE OUTLET APRON (RIPRAP APRONS MUST BE LEVEL WITH OR SLIGHTLY LOWER THAN THE RECEIVING CHANNEL AND SHOULD NOT PRODUCE AN OVERFALL OR RESTRICT FLOW OF THE WATER CONVEYANCE STRUCTURE).
 - RIPRAP TO REMAIN UPON COMPLETION OF CONSTRUCTION.

- MAINTENANCE**
- INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
 - INSPECT FOR STONE DISPLACEMENT; REPLACE STONES ENSURING PLACEMENT AT FINISHED GRADE.
 - CHECK FOR EROSION OR SCOURING AROUND SIDES OF THE APRON; REPAIR IMMEDIATELY.
 - CHECK FOR PIPING OR UNDERCUTTING; REPAIR IMMEDIATELY.

CONCRETE END SECTION RIPRAP (LOWER INVERT)
NOT TO SCALE



- MAINTENANCE**
- INSPECT AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
 - REPAIR PERIMETER BARRIERS IF DAMAGED.
 - INSPECT FOR DAMAGE FROM CONSTRUCTION EQUIPMENT, ETC. REPAIR WOUNDS SIMPLY BY REMOVING DAMAGED BARK AND WOOD TISSUE. DO NOT USE TREE PAINT.
 - CABLE AND BRACE ANY TRUNK SPLITS, WEAK FORKS, AND LARGE LIMBS.

TREE PRESERVATION FENCING (SINGLE)
NOT TO SCALE



SOILS MAP

ADDENDUM #01 NOTE: SHEET ISSUED IN ITS ENTIRETY

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL | DATE

Shek Khan

SEVEN PLEAS
REGISTERED
STATE OF INDIANA
PROFESSIONAL ENGINEER

10/21/22

DRAWN BY
EBI, PE

CHECKED BY
DK, PE

APPROVED BY
SP, PE

PIC NUMBER
19064-2000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
	PERMIT SET	08/26/22
2	ADDENDUM #02	08/30/22
	PERMIT SET	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

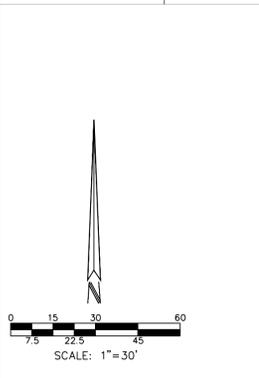
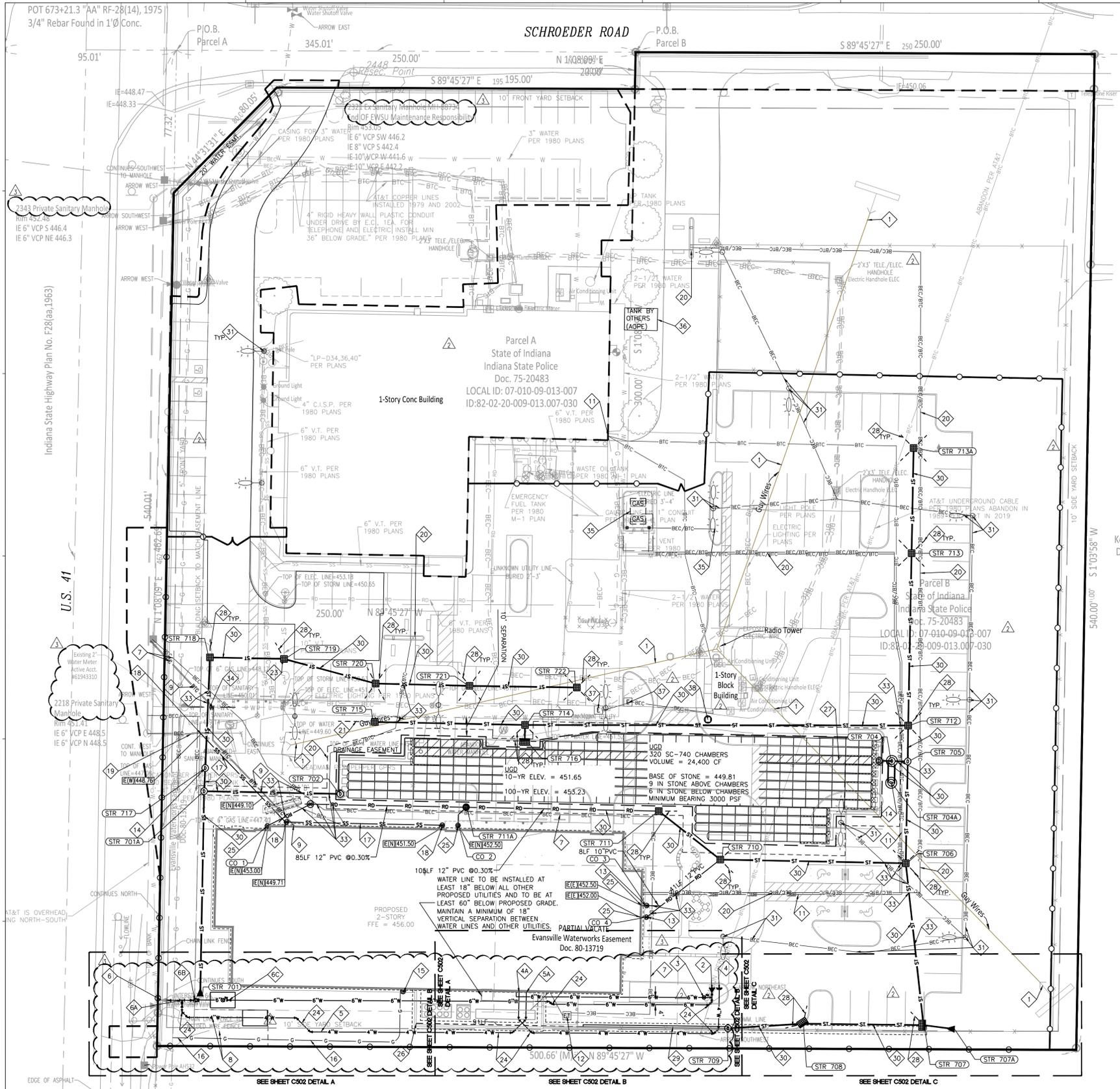
RATIO

PROJECT NO. 00100-18-023-D1 ISP

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN DETAILS

SHEET NUMBER
C-403





UTILITY PLAN LEGEND		
ST	STORM SEWER, MANHOLE	END SECTION
SS	SANITARY SEWER, MANHOLE	CURB INLET
RD	ROOF DRAIN, CLEANOUT	STORM SEWER INLETS
W	WATER LINE, METER, VALVE	"TEE" FITTING
SS	SANITARY LATERAL, CLEAN OUT	TAPPING SLEEVE & VALVE
SS	SANITARY LATERAL, CLEAN OUT	FIRE HYDRANT
E	OVERHEAD ELECTRIC, POLE	FIRE DEPARTMENT CONNECTION
BEC	BURIED ELECTRIC, MANHOLE	POST INDICATOR VALVE
CTV	OVERHEAD CABLE TELEVISION	STREET LIGHT
BCTV	BURIED CABLE TELEVISION	TRANSFORMER
G	GAS LINE, METER, VALVE	ELECTRIC METER
T	OVERHEAD TELEPHONE LINE	CABLE RISER PEDESTAL
BTC	BURIED TELEPHONE LINE	

- UTILITY PLAN NOTES:**
- SEE ARCHITECTURAL PLUMBING PLANS FOR PLUMBING DETAILS TO AREAS FIVE (5) FEET OUTSIDE AND INSIDE OF THE PROPOSED STRUCTURE.
 - SITE CONTRACTOR TO VERIFY ALL BUILDING LATERALS WITH PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
 - SITE CONTRACTOR TO VERIFY BUILDING CONNECTION LOCATIONS AND ELEVATIONS WITH MEP AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
 - EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION, INCLUDING SHOP DRAWINGS.
 - IN ADDITION TO THE CONTRACT DOCUMENTS, THE CONTRACTOR IS ENCOURAGED TO MAKE USE OF AVAILABLE EXISTING CONDITIONS INFORMATION, INCLUDING SUBSURFACE INVESTIGATION REPORTING.
 - RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
 - WATER AND SEWER CROSSINGS AND SEPARATIONS SHALL BE IN ACCORDANCE WITH "TEN STATE STANDARDS" AND LOCAL CODES.
 - WATER LINES THROUGHOUT THE PROJECT SHALL BE INSTALLED WITH AT LEAST 60 INCHES OF COVER TO PROVIDE PROTECTION FROM FREEZING.
 - ALL WATER LINE FITTINGS AND BENDS SHALL HAVE A JOINT RESTRAINTS AND/OR THRUST BLOCKS PER EVANSVILLE WATER AND SEWER UTILITY (EWSU) STANDARDS.
 - PLASTIC WATER LINES SHALL BEAR THE NSF SEAL OF APPROVAL AND MEET COMMERCIAL STANDARD NO. 256-3, PRODUCT STANDARD 22-70, OR ASTM D 2441.
 - ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED DUAL WALL HDPE UNLESS NOTED OTHERWISE.
 - INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION.
 - REFER TO SHEET C503 FOR BACKFILL REQUIREMENTS FOR ALL UTILITIES.
 - REFER TO SHEETS C503 THRU C507 FOR SANITARY SEWER AND WATER DETAILS.
 - REFER TO SHEETS C703 THRU C706 FOR STORM SEWER DETAILS.
 - REFER TO ELECTRICAL, MECHANICAL, COMMUNICATIONS AND PLUMBING PLANS FOR ALL OTHER UTILITY DETAILS.
 - SEE STORM STRUCTURE DATA TABLE DETAIL ON SHEET C704 FOR STRUCTURE AND CASTING TYPE AND SIZE.
 - CONNECTIONS TO EXISTING STRUCTURES REQUIRE THAT THE STRUCTURE BE REHABILITATED TO CURRENT INDOT DESIGN STANDARDS.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

- KEYNOTE LEGEND**
- PROTECT DEAD MAN AND GUY WIRE FOR TOWER AT ALL TIMES.
 - FIRE HYDRANT ASSEMBLY WITH VALVE PER EVANSVILLE WATER AND SEWER UTILITY (EWSU) AND SCOTT TOWNHIP FIRE DEPARTMENT. PAINT PRIVATE FIRE HYDRANT BODY RED AND BONNETS YELLOW.
 - 6" C900 PVC DR18 OR C906 HOPE DR11 FIRE PROTECTION LINE WITH POST INDICATOR VALVE (PIV). PLACE PIV OUTSIDE MECHANICAL WALL ENCLOSURE. TRANSITION TO DUCTILE IRON PIPE FOR FIRE RISER.
 - 4" C900 PVC DR18 OR C906 HOPE DR11 FIRE PROTECTION LINE WITH FIRE DEPARTMENT CONNECTION (FDC). 5" STORM WITH 30 DEGREE ELBOW TRANSITION TO DUCTILE IRON PIPE FOR FIRE RISER.
 - PERMANENT GATE VALVE, BACKFLOW PREVENTER (HYDRAULIC TEST END POINT PER EWSU STANDARDS) SEE PLUMBING PLANS FOR CONTINUATION.
 - 4" C900 PVC DR18 OR C906 HOPE DR11 DOMESTIC WATER LINE WITH 4" VALVE.
 - PERMANENT GATE VALVE, 2" TEMPORARY BLOWOFF, AND BACKFLOW PREVENTER PER DW31 (HYDRAULIC TEST END POINT PER EWSU STANDARDS) SEE PLUMBING PLANS FOR CONTINUATION.
 - HYDROSTATIC TEST EXISTING 12" GATE VALVE FOR SERVICE CONNECTION. CONTRACTOR SHALL HYDROSTATICALLY TEST AGAINST THE EXISTING WATER MAIN VALVE (TO 150PSI FOR 15 MINUTES WITH NO DROP IN PRESSURE ALLOWED) AND BE WITNESSED BY AN EWSU INSPECTOR PRIOR TO ANY FURTHER INSTALLATION OF THE WATER MAIN EXTENSION. IF THE HYDROSTATIC TEST FAILS, THE CONTRACTOR SHALL PROVIDE AND INSTALL A NEW VALVE TO BE IMMEDIATELY ADJACENT TO EXISTING VALVE USING PROPER ANCHOR-COUPLING, AT DEVELOPER'S EXPENSE.
 - DW25. 3/4" COUPLING TAP PER DW29 ON 12" C900 PVC PIPE. PROVIDE 12"x12"x4" TEE WITH 4" GATE VALVE WITH A MINIMUM OF 4" BETWEEN NEW GATE VALVE AND EXISTING VALVE#238563 PER EWSU STANDARDS FOR DOMESTIC SERVICE.
 - PROVIDE 12" GATE VALVE WITH 12"x6" REDUCER AT END OF EASEMENT FOR FIRE SERVICE LINE PER DW31 AND EWSU STANDARDS.
 - WATER VAULT (HOT BOX) WITH BACKFLOW PREVENTER, PIV, TEMPORARY 2" BLOW-OFF PER DW31 PER EWSU AND FIRE DEPARTMENT SPECIFICATIONS. THIS LOCATION IS NOT APPROVED FOR FDC.
 - PRIMARY ELECTRIC SERVICE LINE TO TRANSFORMER. (SEE ELECTRIC PLANS)
 - TWO PARALLEL 2" WATER METER PITS PER DW22 WITH ONE ACTIVE METER END OF EWSU MAINTENANCE RESPONSIBILITY. MINIMUM 4" SEPARATION FROM METER PIT AND FIRE SERVICE HOT BOX.
 - WATER ALTERNATE: 2" WATER METER VAULT PER DW27 END OF EWSU MAINTENANCE RESPONSIBILITY. MINIMUM 4" SEPARATION FROM METER PIT AND FIRE SERVICE HOT BOX. PROVIDE SPACE FOR A NEW 2" METER TO BE PLACED IN PARALLEL WITH 2" METER TO AVOID WATER SHUT OFF IN EVENT OF WATER METER MAINTENANCE OR REPLACEMENT PER OWNER REQUIREMENT.
 - THREE (3) 3" SCHEDULE 40 PVC TELECOMMUNICATIONS CONDUIT ROUTE. CAP AND MARK END OF SPARE CONDUITS. (SEE ELECTRIC PLANS) TELECOMMUNICATION CONDUIT. CAP AND MARK END OF SPARE CONDUITS (SEE TECOMM PLANS FOR ADDITIONAL INFORMATION)
 - COORDINATE WITH ELECTRIC PLANS FOR CONTINUATION OF CONDUIT CABLING (SEE ELECTRIC PLANS)
 - THREE (3) 3" SCHEDULE 40 PVC TELECOMMUNICATIONS CONDUIT ROUTE FROM ORIGINAL BUILDING TO NEW BUILDING. (SEE ELECTRIC PLANS) COORDINATE CONDUIT REQUIREMENTS FOR CABLING. (SEE ELECTRIC PLANS)
 - ELECTRIC TRANSFORMER. (SEE ELECTRIC PLANS)
 - STORM SEWER CLEAN OUT IN LANDSCAPE
 - TRAFFIC RATED WATER QUALITY UNIT. REFER TO STORM STRUCTURE DATA TABLE AND STORM SEWER DETAILS FOR TRAFFIC LOADING STRUCTURAL REQUIREMENT AND WATER QUALITY UNIT DETAILS.
 - GAS METER
 - GAS SERVICE LINE BY CENTER POINT ENERGY GROUP. COORDINATE TIMING WITH AND EXPOSE CROSSINGS FOR UTILITY PROVIDER.
 - 6" C900 PVC DR18 OR C906 HOPE DR11 AT MIN. 0.72% SLOPE. SEE INVERTS ON PLAN.
 - 6" SDR 26 PVC SANITARY LATERAL @2.04% MIN (2% MIN)
 - SANITARY SEWER CLEAN OUT IN PAVEMENT
 - EXISTING SANITARY SEWER. REPLACE CLAY PIPE WITH PVC SDR 35 IF REQUIRED FOR TRENCHING. SANITARY SERVICE CONNECTION TO EXISTING PIPE PER EWSU STANDARDS.
 - PROVIDE ELECTRIC AND COMMUNICATION LINES TO SERVICE FACILITY. (SEE ELECTRIC PLANS)
 - STORM SEWER CLEAN OUT IN LANDSCAPE
 - TRAFFIC RATED WATER QUALITY UNIT. REFER TO STORM STRUCTURE DATA TABLE AND STORM SEWER DETAILS FOR TRAFFIC LOADING STRUCTURAL REQUIREMENT AND WATER QUALITY UNIT DETAILS.
 - GAS METER
 - GAS SERVICE LINE BY CENTER POINT ENERGY GROUP. COORDINATE TIMING WITH AND EXPOSE CROSSINGS FOR UTILITY PROVIDER.
 - 6" C900 PVC DR18 OR C906 HOPE DR11 AT MIN. 0.72% SLOPE. SEE INVERTS ON PLAN.
 - 6" SDR 26 PVC SANITARY LATERAL @2.04% MIN (2% MIN)
 - SANITARY SEWER CLEAN OUT IN PAVEMENT
 - EXISTING SANITARY SEWER. REPLACE CLAY PIPE WITH PVC SDR 35 IF REQUIRED FOR TRENCHING. SANITARY SERVICE CONNECTION TO EXISTING PIPE PER EWSU STANDARDS.
 - PROVIDE ELECTRIC AND COMMUNICATION LINES TO SERVICE FACILITY. (SEE ELECTRIC PLANS)

INDIANA STATE POLICE POST AND FORENSICS LABORATORY

19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Crigo
9359 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL / DATE	DRAWN BY
	EBI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190064-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
2	ADDENDUM #02	08/30/22
3	AGENCY RESPONSES	09/13/22
		09/14/22
		10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE

UTILITY PLAN

SHEET NUMBER

C-501



811 FOR CALLS IN INDIANA
1-800-382-5544
CALL TOLL FREE

File Name: C:\2019\190064-20000\Cad\Eng\CD\01_Utility Plan.dwg, October 21, 2022 9:00 AM, ELAHEE.PY, © Paul I. Crigo, Inc.

INDIANA STATE POLICE POST AND FORENSICS LABORATORY

19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-784-7620

Civil Engineer
Crigo
9359 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-9000

SEAL / DATE	DRAWN BY
	EPL, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	19064-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE **UTILITY ENLARGEMENT**
SHEET NUMBER **C-502**

UTILITY PLAN LEGEND

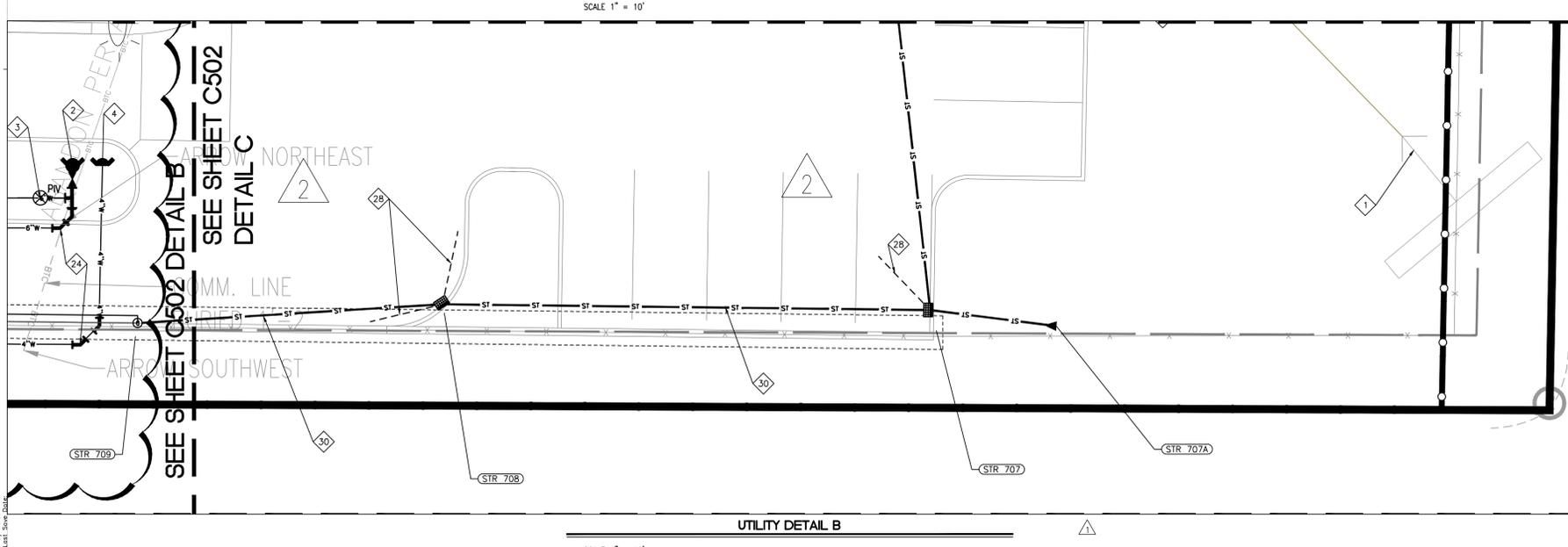
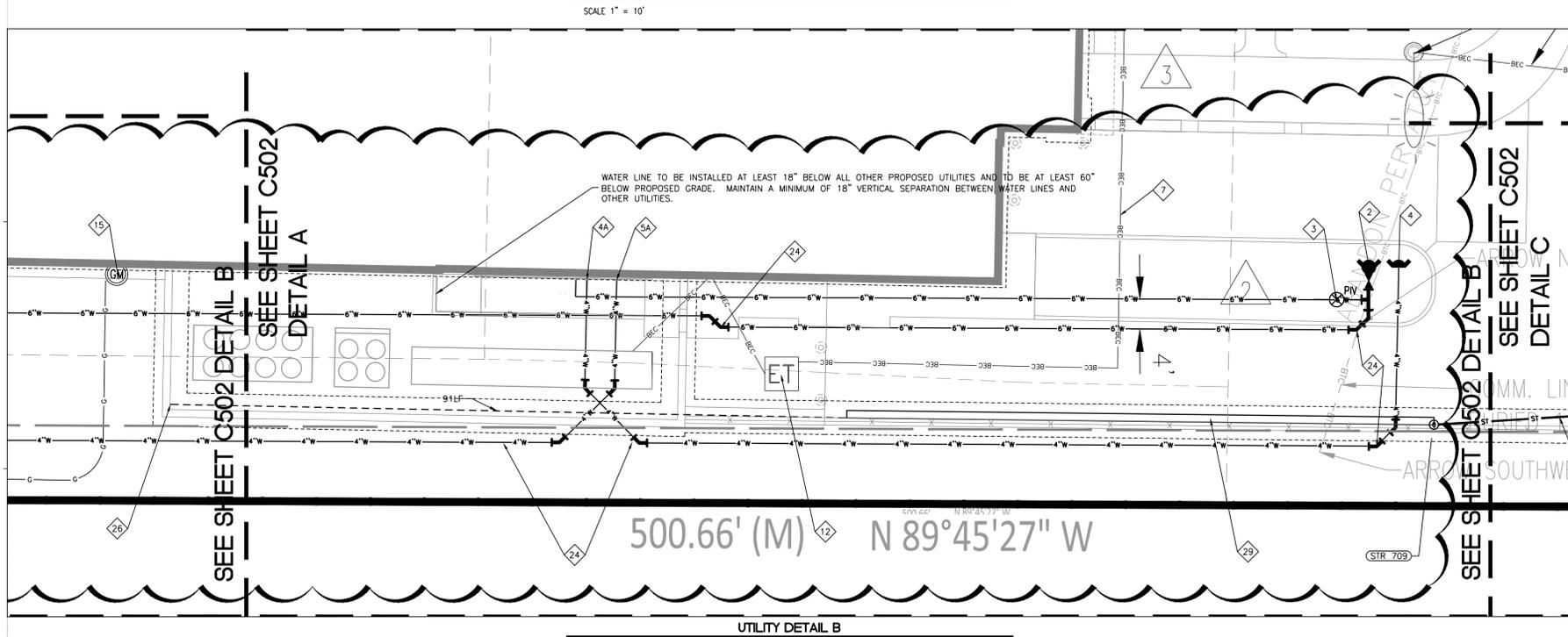
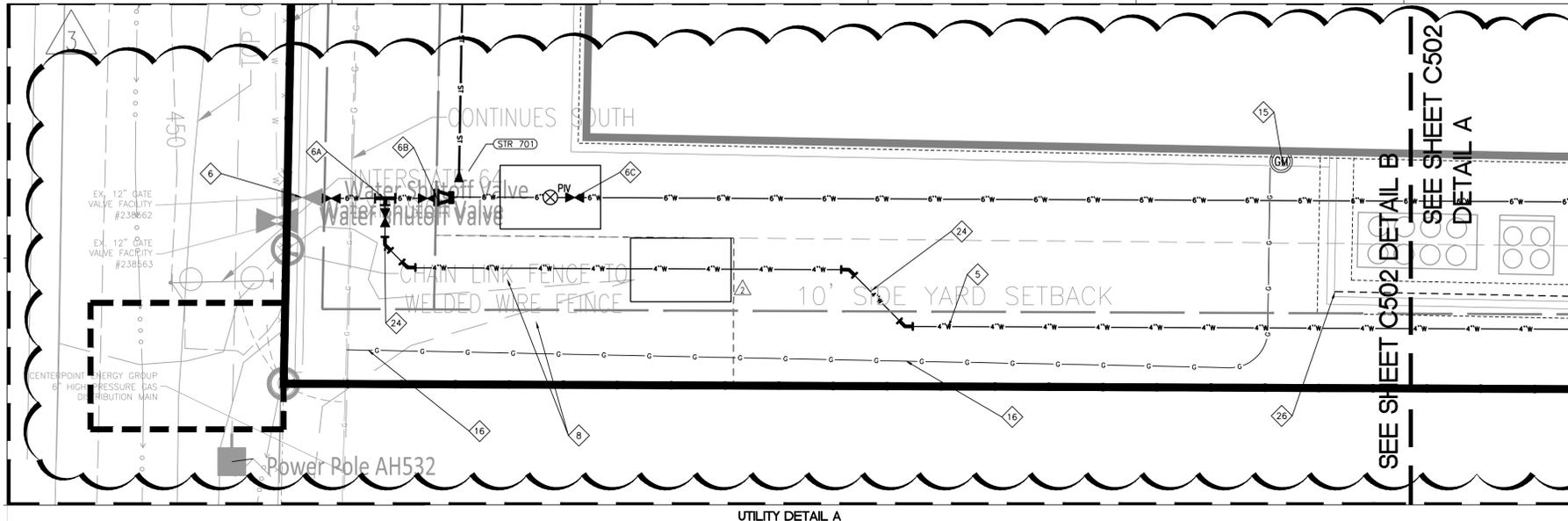
ST	ST	STORM SEWER, MANHOLE	END SECTION
SS	SS	SANITARY SEWER, MANHOLE	CURB INLET
RD	RD	ROOF DRAIN, CLEANOUT	STORM SEWER INLETS
W	W	WATER LINE, METER, VALVE	"TEE" FITTING
SS	SS	SANITARY LATERAL, CLEAN OUT	TAPPING SLEEVE & VALVE
SS	SS	SANITARY LATERAL, CLEAN OUT	FIRE HYDRANT
E	E	EASEMENT LINE	FIRE DEPARTMENT CONNECTION
E	E	OVERHEAD ELECTRIC, POLE	POST INDICATOR VALVE
BEC	BEC	BURIED ELECTRIC, MANHOLE	STREET LIGHT
CTV	CTV	OVERHEAD CABLE TELEVISION	TRANSFORMER
BCTV	BCTV	BURIED CABLE TELEVISION	ELECTRIC METER
G	G	GAS LINE, METER, VALVE	CABLE RISER PEDESTAL
T	T	OVERHEAD TELEPHONE LINE	
BTC	BTC	BURIED TELEPHONE LINE	

UTILITY PLAN NOTES:

SEE SHEET C501 FOR UTILITY NOTES.

KEYNOTE LEGEND

- PROTECT DEAD MAN AND GUY WIRE FOR TOWER AT ALL TIMES
- FIRE HYDRANT ASSEMBLY WITH VALVE PER EVANSVILLE WATER AND SEWER UTILITY (EWSU) AND SCOTT TOWNSHIP FIRE DEPARTMENT. PAINT ALL PRIVATE FIRE HYDRANT BODY RED AND BONNETS YELLOW.
- 6" C900 PVC DR18 OR C906 HDPE DR11 FIRE PROTECTION LINE WITH POST INDICATOR VALVE (PIV), PLACE PIV OUTSIDE MECHANICAL WALL ENCLOSURE. TRANSITION TO DUCTILE IRON PIPE FOR FIRE RISER.
- 4" C900 PVC DR18 OR C906 HDPE DR11 FIRE PROTECTION LINE WITH FIRE DEPARTMENT CONNECTION (FDC), 5' STORE WITH 30 DEGREE ELBOW TRANSITION TO DUCTILE IRON PIPE FOR FIRE RISER.
- PERMANENT GATE VALVE, BACKFLOW PREVENTER (HYDRAULIC TEST END POINT PER EWSU STANDARDS) SEE PLUMBING PLANS FOR CONTINUATION
- 4" C900 PVC DR18 OR C906 HDPE DR11 DOMESTIC WATER LINE WITH 4" VALVE
- PERMANENT GATE VALVE, 2" TEMPORARY BLOWOFF, AND BACKFLOW PREVENTER PER DW31 (HYDRAULIC TEST END POINT PER EWSU STANDARDS) SEE PLUMBING PLANS FOR CONTINUATION
- HYDROSTATIC TEST EXISTING 12" GATE VALVE FOR SERVICE CONNECTION. CONTRACTOR SHALL HYDROSTATICALLY TEST AGAINST THE EXISTING WATER MAIN VALVE (TO 150PSI FOR 15 MINUTES WITH NO DROP IN PRESSURE ALLOWED) AND BE WITNESSED BY AN EWSU INSPECTOR PRIOR TO ANY FURTHER INSTALLATION OF THE WATER MAIN EXTENSION. IF THE HYDROSTATIC TEST FAILS, THE CONTRACTOR SHALL PROVIDE AND INSTALL A NEW VALVE TO BE IMMEDIATELY ADJACENT TO EXISTING VALVE USING PROPER ANCHOR-COUPLING, AT DEVELOPERS EXPENSE.
- DW25, 3/4" CLORINATION TAP PER DW29 ON 12"C900 PVC PIPE. PROVIDE 12"x12"x4" TEE WITH 4" GATE VALVE WITH A MINIMUM OF 4" SEPARATION FROM NEW GATE VALVE AND EXISTING VALVE#238563 PER EWSU STANDARDS FOR DOMESTIC SERVICE.
- PROVIDE 12" GATE VALVE WITH 12"x6" REDUCER AT END OF EASEMENT FOR FIRE SERVICE LINE PER DW31 AND EWSU STANDARDS.
- WATER VAULT (HOT BOX) WITH BACKFLOW PREVENTER, PIV, TEMPORARY 2" BLOW-OFF PER DW31 PER EWSU AND FIRE DEPARTMENT SPECIFICATIONS. THIS LOCATION IS NOT APPROVED FOR FDC.
- PRIMARY ELECTRIC SERVICE LINE TO TRANSFORMER. (SEE ELECTRIC PLANS)
- TWO PARALLEL 2" WATER METER PITS PER DW22 WITH ONE ACTIVE METER END OF EWSU MAINTENANCE RESPONSIBILITY. MINIMUM 4" SEPARATION FROM METER PIT AND FIRE SERVICE HOT BOX.
- WATER ALTERNATE: 2" WATER METER VAULT PER DW27 END OF EWSU MAINTENANCE RESPONSIBILITY. MINIMUM 4" SEPARATION FROM METER PIT AND FIRE SERVICE HOT BOX. PROVIDE SPACE FOR A NEW 2" METER TO BE PLACED IN PARALLEL WITH 2" METER TO AVOID WATER SHUT OFF IN EVENT OF WATER METER MAINTENANCE OR REPLACEMENT PER OWNER REQUIREMENT.
- THREE (3) 3" SCHEDULE 40 PVC TELECOMMUNICATIONS CONDUIT REROUTE. CAP AND MARK END OF SPARE CONDUITS. (SEE ELECTRIC PLANS) TELECOMMUNICATION CONDUIT. CAP AND MARK END OF SPARE CONDUITS (SEE TEGCMM PLANS FOR ADDITIONAL INFORMATION)
- COORDINATE WITH ELECTRIC PLANS FOR CONTINUATION OF CONDUIT CABLING (SEE ELECTRIC PLANS)
- THREE (3) 3" SCHEDULE 40 PVC TELECOMMUNICATIONS CONDUIT REROUTE FROM ORIGINAL BUILDING TO NEW BUILDING. (SEE ELECTRIC PLANS) COORDINATE CONDUIT REQUIREMENTS FOR CABLING. (SEE ELECTRIC PLANS)
- ELECTRIC TRANSFORMER. (SEE ELECTRIC PLANS)
- STORM SEWER CLEAN OUT IN LANDSCAPE
- TRAFFIC RATED WATER QUALITY UNIT, REFER TO STORM STRUCTURE DATA TABLE AND STORM SEWER DETAILS FOR TRAFFIC LOADING STRUCTURAL REQUIREMENT AND WATER QUALITY UNIT DETAILS.
- GAS METER
- GAS SERVICE LINE BY CENTER POINT ENERGY GROUP. COORDINATE TIMING WITH AND EXPOSE CROSSINGS FOR UTILITY PROVIDER.
- 6" C900 PVC DR18 OR C906 HDPE DR11 AT MIN. 0.72% SLOPE. SEE INVERTS ON PLAN.
- 6" SDR 26 PVC SANITARY LATERAL @0.04% MIN (2% MIN PER UTILITY REQUIREMENTS).
- SANITARY SEWER CLEAN OUT IN PAVEMENT
- EXISTING SANITARY SEWER, REPLACE CLAY PIPE WITH PVC SDR 35 IF REQUIRED FOR TRENCHING. SANITARY SERVICE CONNECTION TO EXISTING PIPE PER EWSU STANDARDS.
- PROVIDE ELECTRIC AND COMMUNICATION LINES TO SECURITY FEATURE. (SEE ELECTRIC PLANS)
- 20LF SUB SURFACE DRAIN (SSD) @0.70% MIN. TYP.
- SSD @0.70% MIN. AT NEW PAVEMENT. END AT CONCRETE FOR GAS FUELING AREA
- CONNECT EXISTING ROOF DRAINAGE TO PROPOSED STRUCTURE. REPLACE CLAY PIPE WITH DRAIN WALL SSD
- TWO (2) 45 DEGREE LONG ELBOWS WITH MINIMUM 1" PIPE LENGTH BETWEEN BENDS. PROVIDE WATER LINES AT LEAST 4" ON CENTER BETWEEN PARALLEL WATER LINES
- DOWNSPOUT BOOT
- 6" HDPE PERFORATED UNDERDRAIN (SSD) UNDER PAVEMENT OR GRAVEL AREA
- UNDERGROUND DETENTION SYSTEM (UGD) ISOLATOR ROW
- 10LF SUB SURFACE DRAIN (SSD) @0.70% MIN. TYPICAL
- TRENCH DRAIN-12" ADS DURASLOT
- GRANULAR BACKFILL
- EXTERIOR LIGHTING, POLE LIGHT, PEDESTRIAN APPLICATION. SEE SITE LIGHTING PLANS.
- THREE (3) 3" SCHEDULE 40 PVC TELECOMMUNICATIONS CONDUIT REROUTE FROM NEW BUILDING TO NEW FUEL STATION. (SEE ELECTRIC PLANS)
- COORDINATE CONDUIT REQUIREMENTS FOR CABLING. (SEE ELECTRIC PLANS)
- LOWER ELECTRIC/COMMUNICATION CONDUITS AT STORM CROSSING. SEE STORM PLAN AND PROFILE SHEETS.
- LOWER EXISTING WATER LINE AT STORM CROSSING. PROVIDE 18" MINIMUM VERTICAL SEPARATION FROM PROPOSED SEWER. SEE STORM PLAN AND PROFILE SHEETS.
- PROVIDE GAS STATION WITH ABOVE GRADE GAS TANK INCLUDING ELECTRIC AND COMMUNICATION LINES AS REQUIRED FOR GAS STATION AND EMERGENCY SHUTOFF. SEE ELECTRIC PLANS.
- GENERATOR GAS TANK AND BOLLARDS BY OTHERS (AOPE) FOR REFERENCE ONLY.
- REPLACE EXISTING ELECTRIC POSTS
- PROVIDE TRAFFIC RATED AT GRADE CASTING FOR EXISTING MONITORING WELL



File Name: C:\2019\19064\20000\Cad\Eng\CD\C501_Utility_Plan.dwg, October 21, 2022 9:02:AM, ELAHE.PY, @Paul L. Crigo, Inc.
 Plot Scale: 1" = 10'



**INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY**
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7475

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

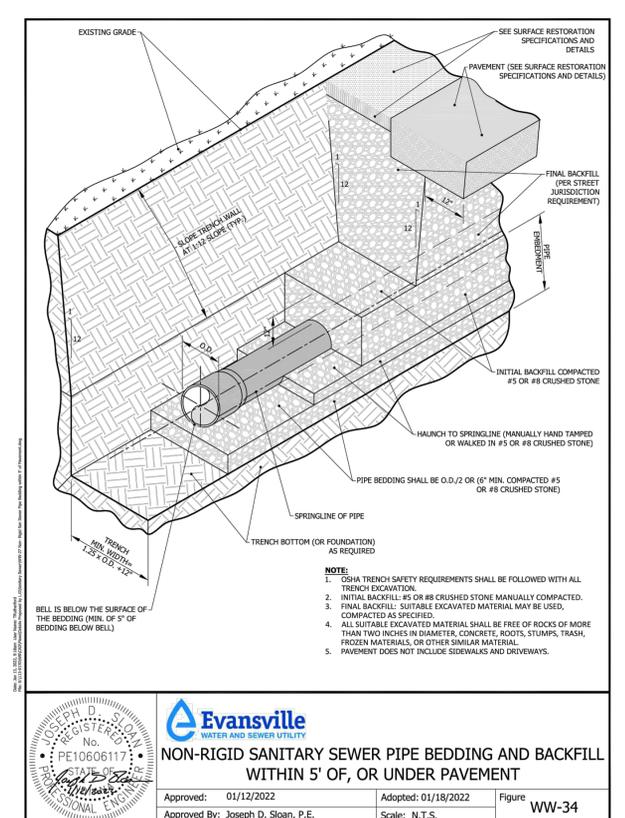
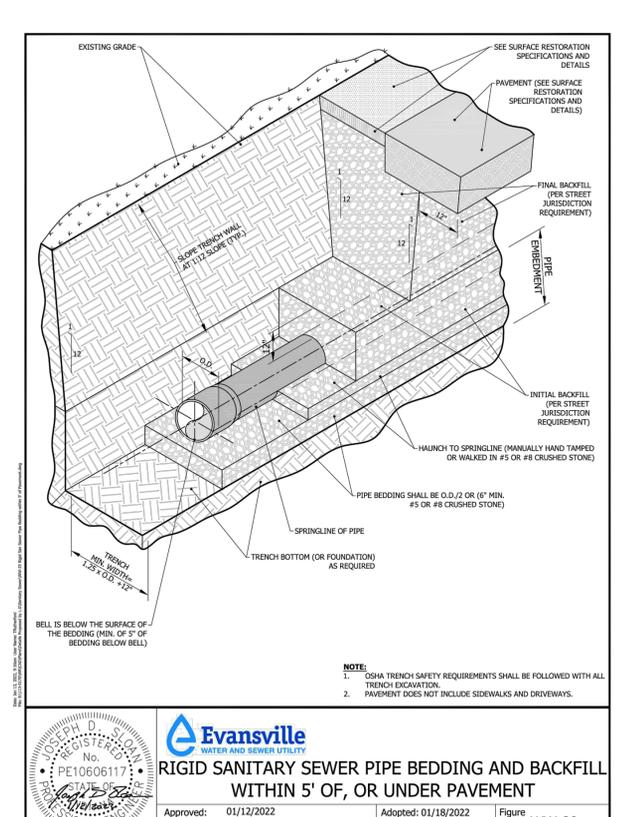
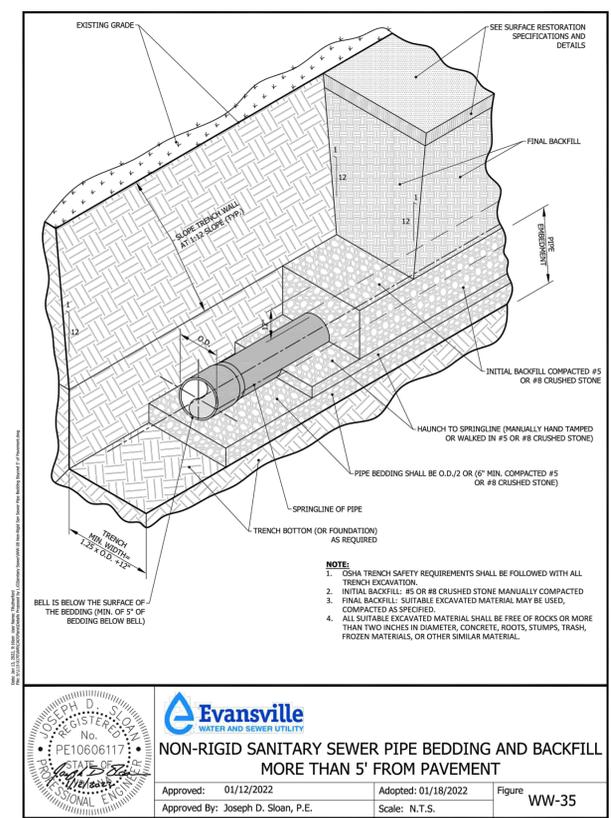
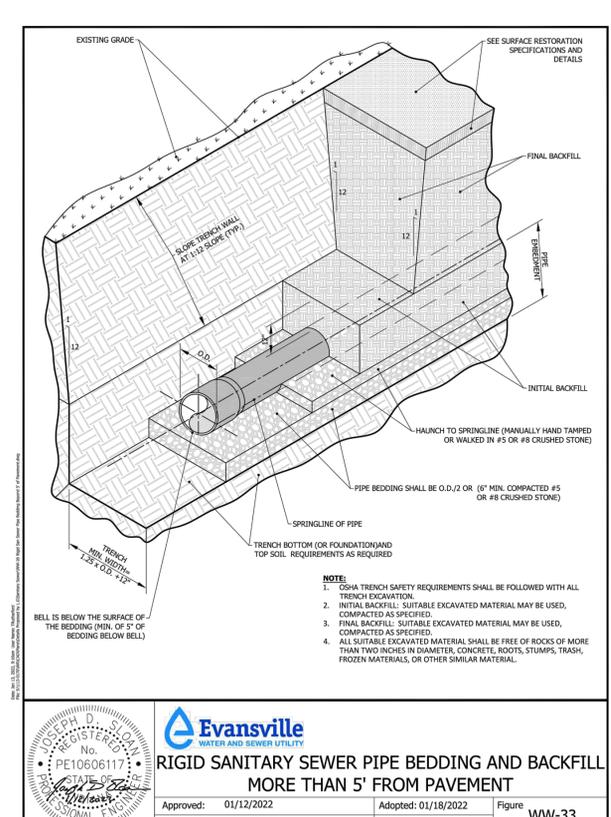
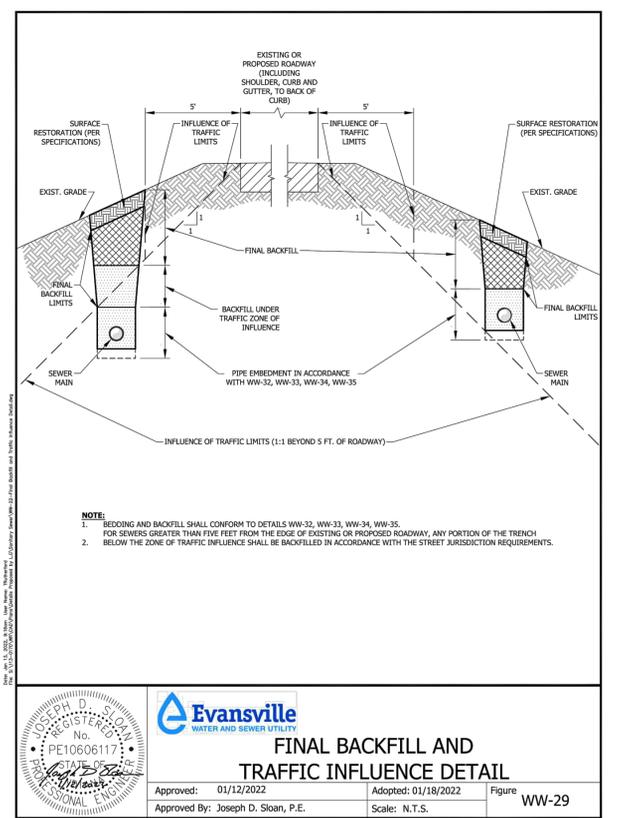
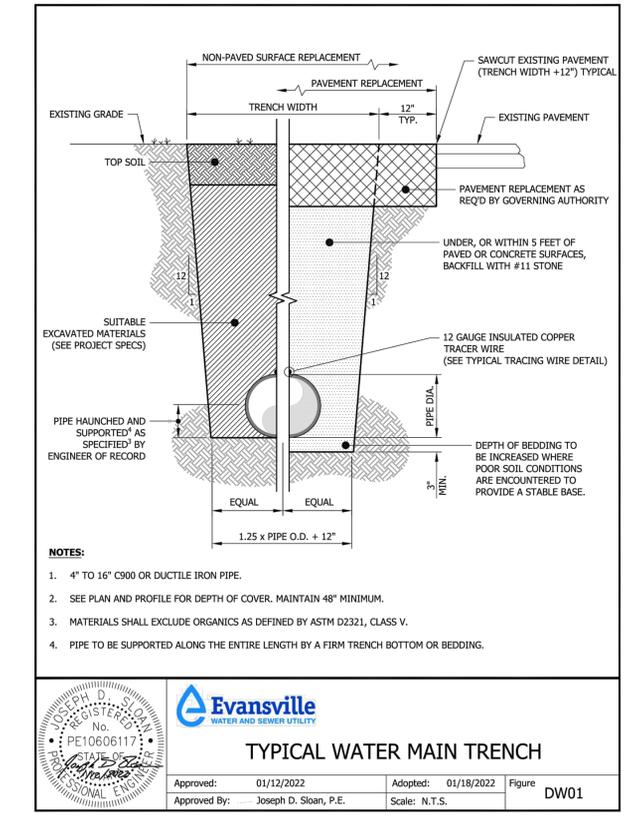
Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
8339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

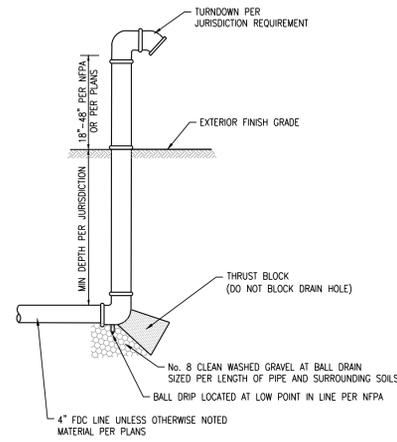
AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY EBL PE	
	CHECKED BY DK, PE	
	APPROVED BY SP, PE	
	PIC NUMBER 190064-20000	
REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	07/15/22
1	PERMIT SET	08/26/22
2	ADDENDUM #02	09/30/22
2	PERMIT SET	09/13/22
3	AGENCY RESPONSES	09/14/22
3	PERMIT SET	10/20/22

RATIO
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
UTILITY DETAILS
SHEET NUMBER
C-503



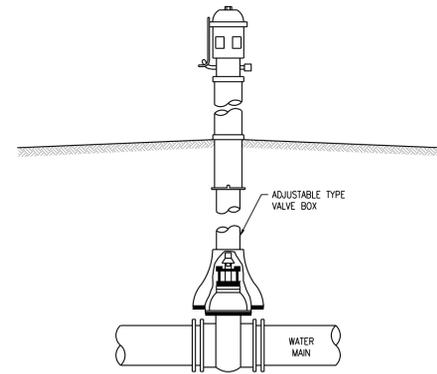
File Name: C:\2019\19064\30000\Cad\Eng\CD03-C503-Utility_Details.dwg, October 21, 2022 12:07 AM, ELANIE IVY, © Paul J. Cripe, Inc.



- NOTES:
1. LOCATE FDC PER AUTHORITY HAVING JURISDICTION
 2. SIGN SHALL BE AFFIXED TO THE FDC PER AUTHORITY HAVING JURISDICTION. COORDINATE WITH LOCAL FIRE DEPARTMENT
 3. FDC'S SHALL BE 5" STORZ CONNECTION EXCEPT FOR NFPA 13R AND NFPA 13D SYSTEMS, WHICH WILL HAVE A SINGLE 2-1/2"
 4. FDC SHALL BE PROVIDED WITH LOCKING KNOX CAPS

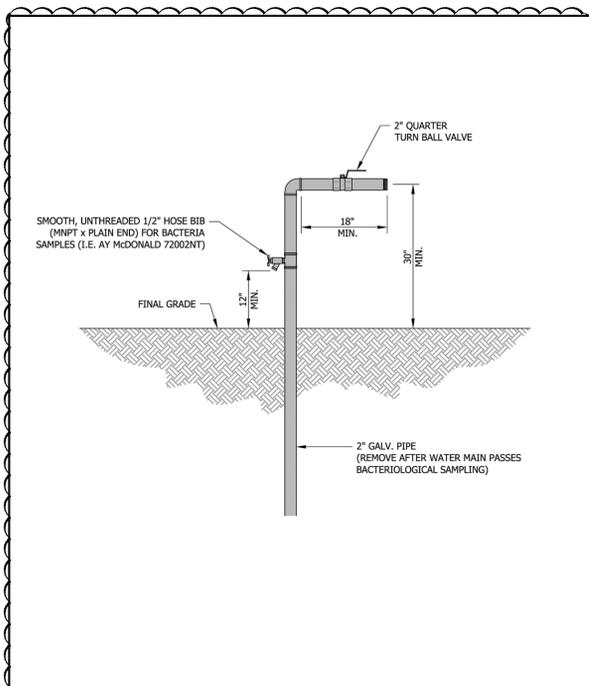
FIRE DEPARTMENT CONNECTION (FDC)

NOT TO SCALE



POST INDICATOR VALVE W/BOX

NOT TO SCALE

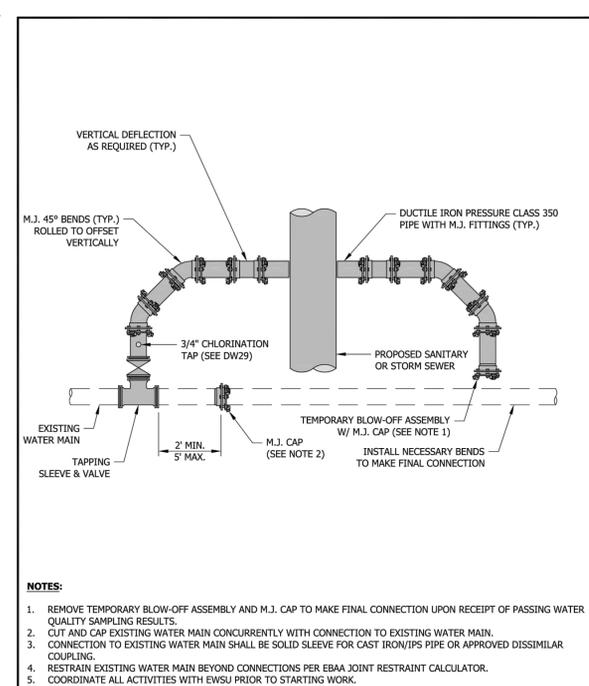


Evansville
WATER AND SEWER UTILITY

WATER MAIN FLUSHING AND SAMPLING ASSEMBLY

Approved: 01/12/2022 Adopted: 01/18/2022 Figure DW31

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.

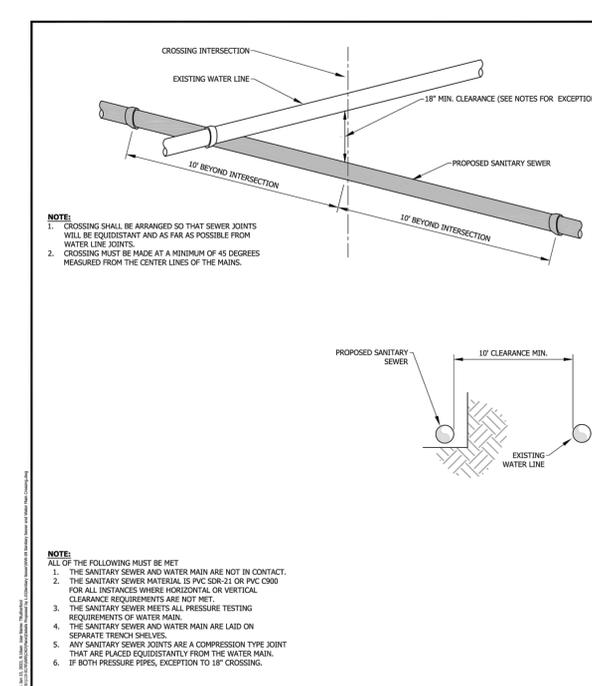


Evansville
WATER AND SEWER UTILITY

TYPICAL OFFSET ASSEMBLY OF EXISTING WATER MAIN (STORM OR SANITARY CROSSING)

Approved: 01/12/2022 Adopted: 01/18/2022 Figure DW11-2

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.

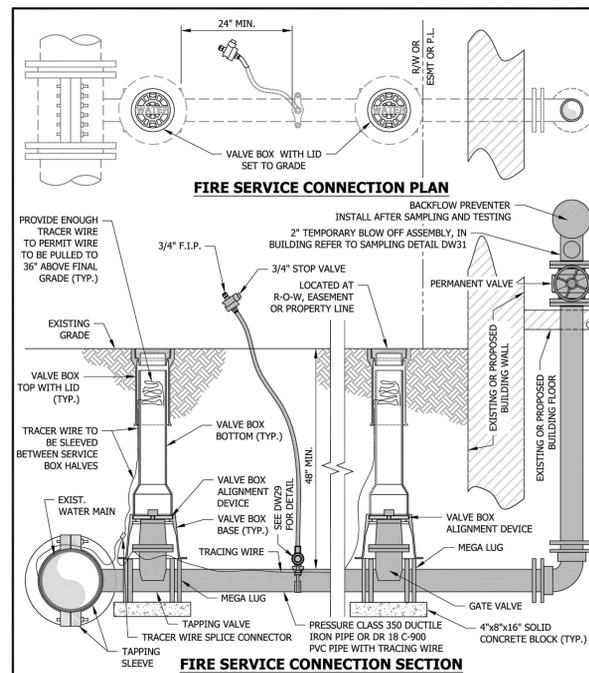


Evansville
WATER AND SEWER UTILITY

PROPOSED SANITARY SEWER AND EXISTING WATER LINE CROSSING

Approved: 01/12/2022 Adopted: 01/18/2022 Figure WW-36

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.

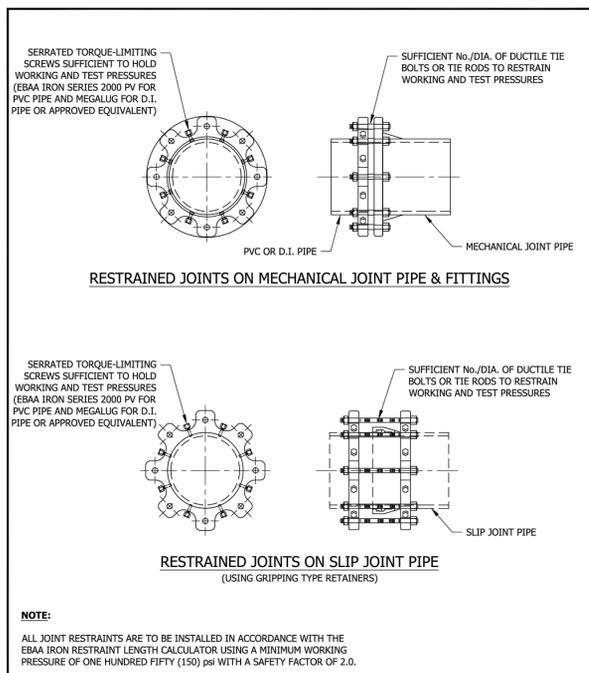


Evansville
WATER AND SEWER UTILITY

FIRE SERVICE CONNECTION

Approved: 01/12/2022 Adopted: 01/18/2022 Figure DW25

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.

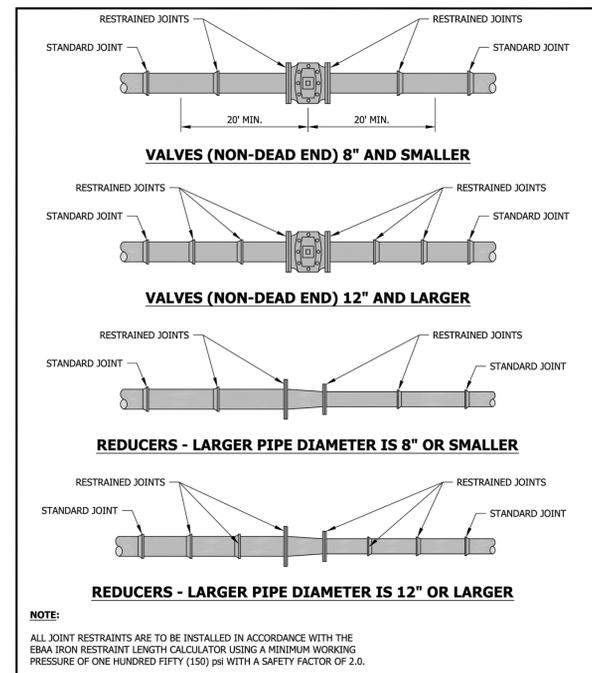


Evansville
WATER AND SEWER UTILITY

RESTRAINED JOINTS (MECHANICAL JOINT AND SLIP JOINT PIPES)

Approved: 01/12/2022 Adopted: 01/18/2022 Figure DW09

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.



Evansville
WATER AND SEWER UTILITY

TYPICAL RESTRAINING FOR VALVES AND REDUCERS

Approved: 01/12/2022 Adopted: 01/18/2022 Figure DW10

Approved By: Joseph D. Sloan, P.E. Scale: N.T.S.

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7475

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Crise
8339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY EBL PE
	CHECKED BY DK, PE
	APPROVED BY SP, PE
	PIC NUMBER 190064-20000

REVISION	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/28/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C-504



EVANSVILLE WATER AND SEWER UTILITY
1931 Allen Lane
Evansville, IN 47720

Attn: Engineering Department

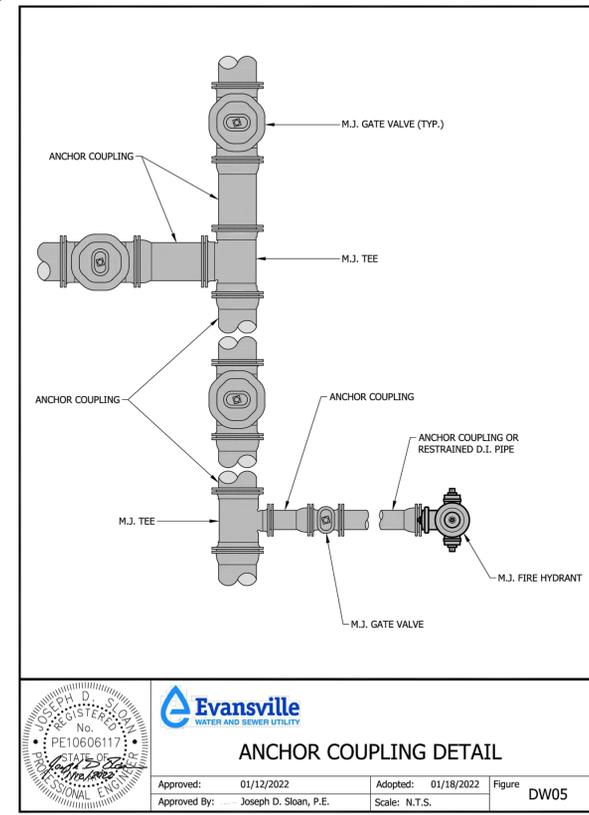
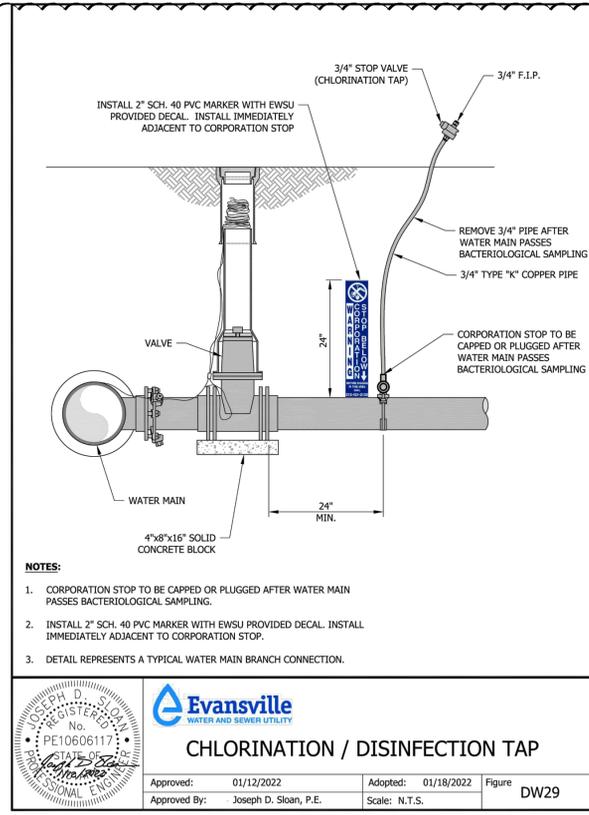
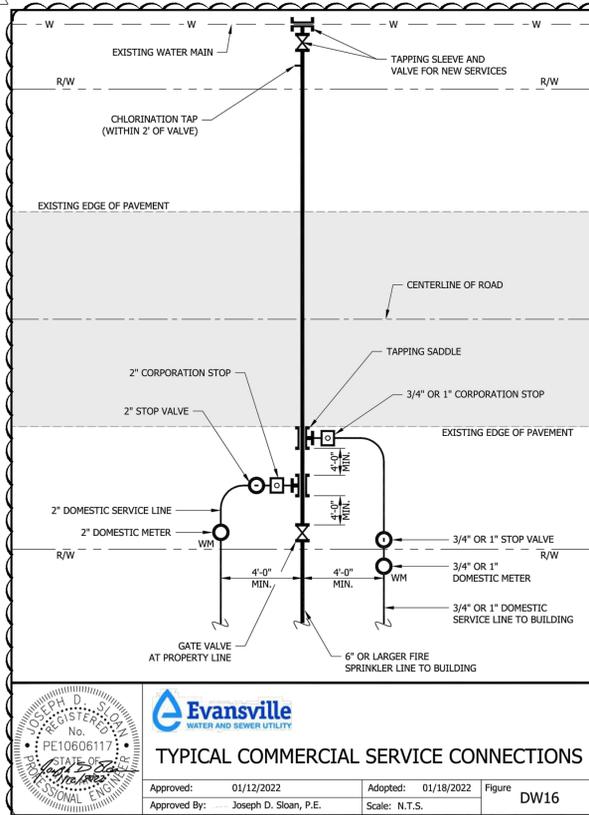


CONSTRUCTION PRE-QUALIFICATION QUESTIONNAIRE
(USED IN PRE-QUALIFYING CONTRACTORS FOR UTILITY WORK)

SUBMITTED BY (COMPANY) _____
ADDRESS _____
CITY, STATE, ZIP CODE _____
DATE _____
CONTACT NAME (FOR QUESTIONS), TELEPHONE & FAX _____
TAX ID NUMBER _____
E-MAIL ADDRESS _____

Figure 5-1 Contractor Pre-Qualification Questionnaire

5-4



INDIANA STATE
POLICE POST
AND FORENSICS
LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7475

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
8339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY
	ERI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190064-20000

REVISION	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/28/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

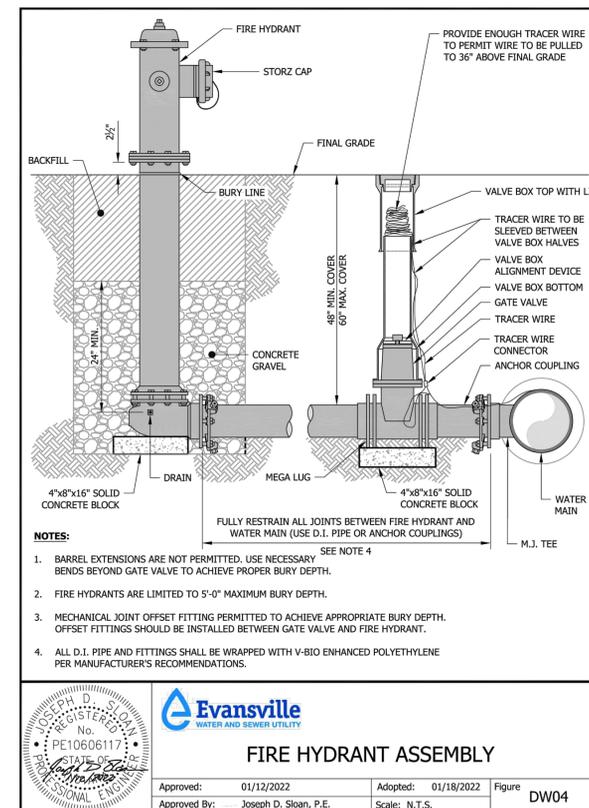
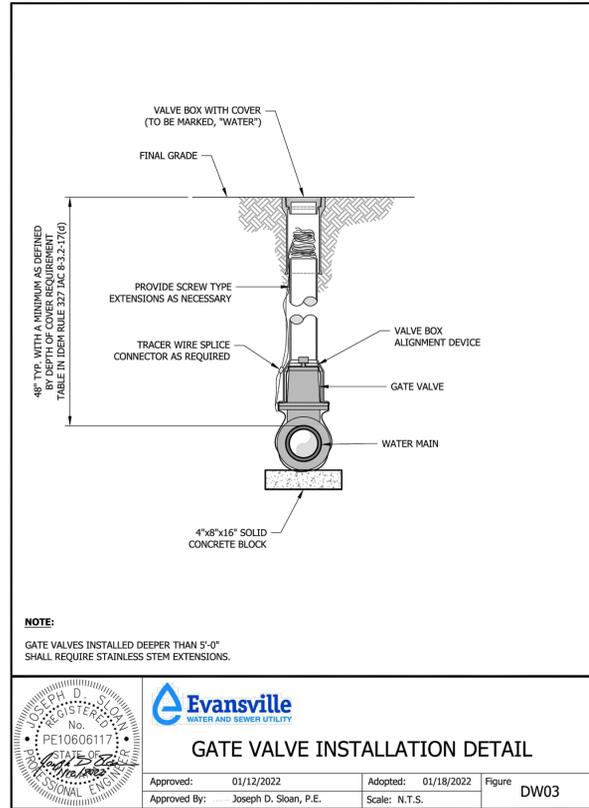
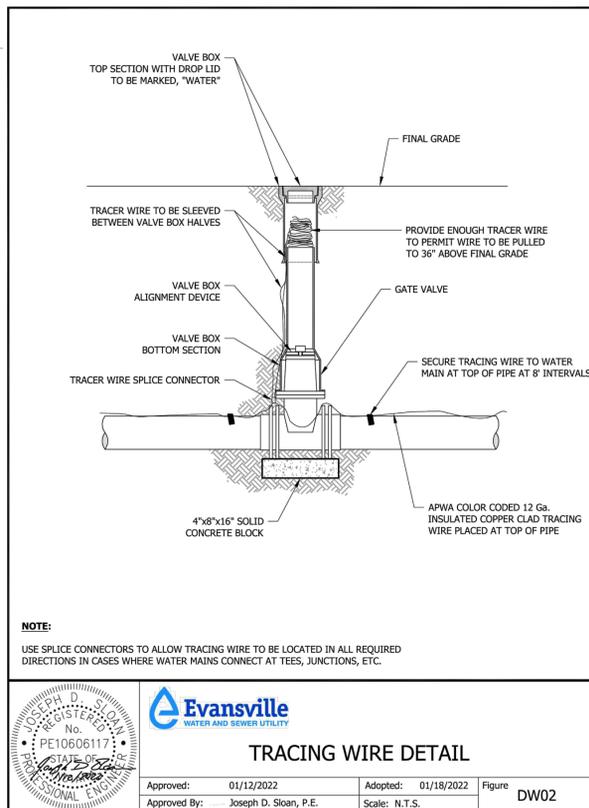
RATIO
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C-505

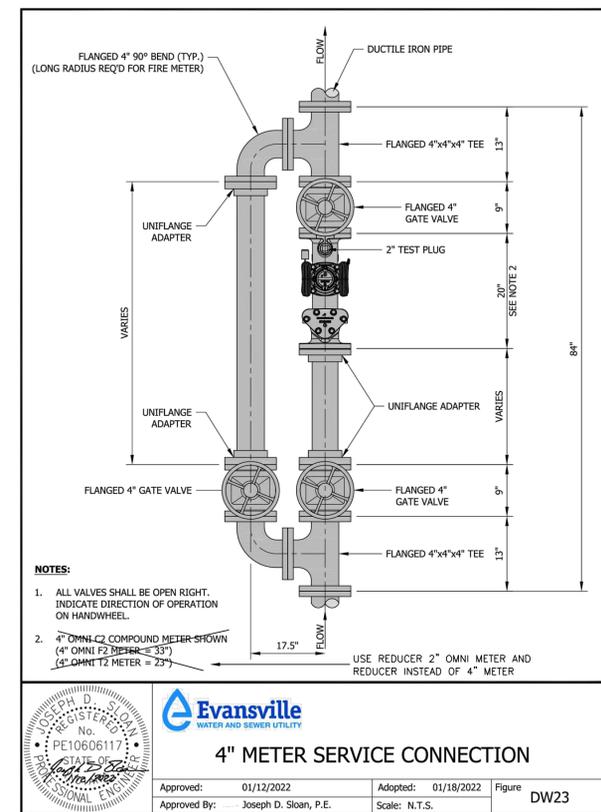
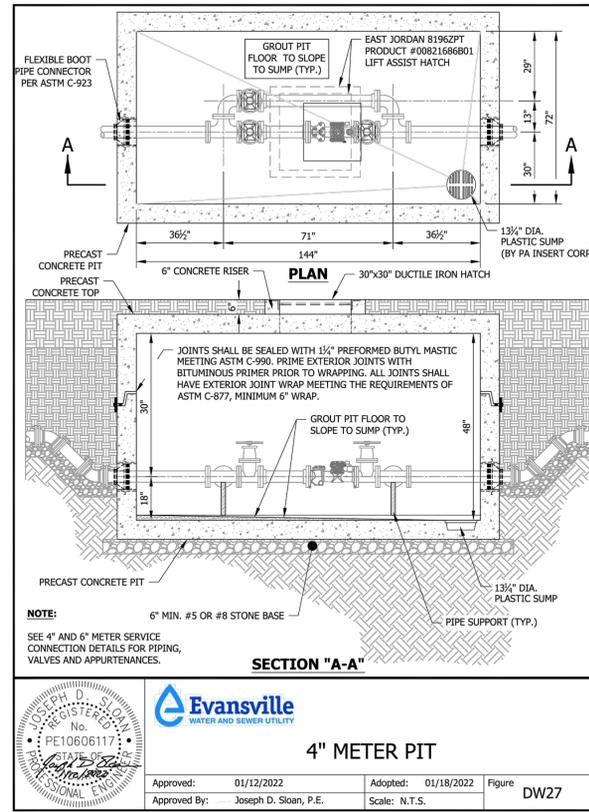
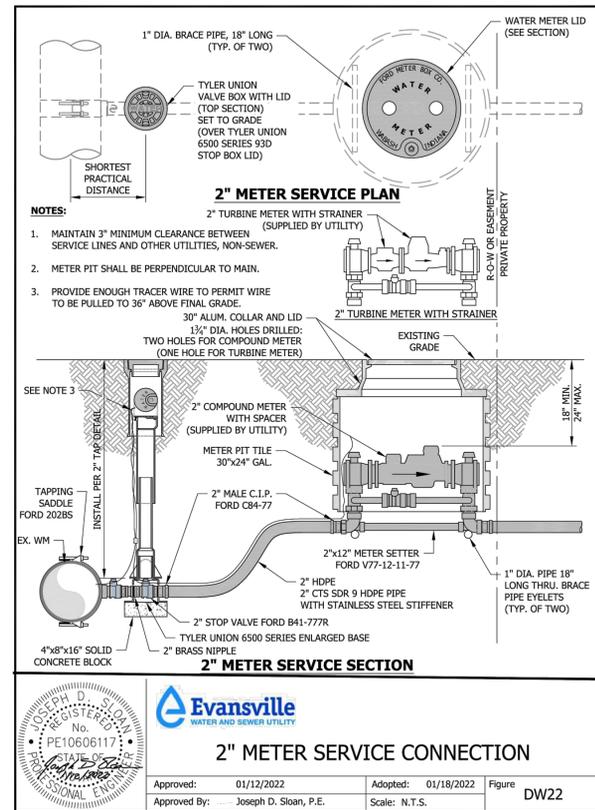
PREQUALIFICATION CHECK LIST
Below is a checklist of required documentation

- Signed application and boxes checked indicating type of work requested - (Page 4).
- Company information and work history (Pages 5-11).
- Bonding capacity indicated (Page 5)
- Equipment Sheet is complete (Page 12)
- Affidavit is complete with Notary Seal for whichever type of business is applicable.
- Attach Certificate from the Secretary of State showing company is authorized to transact business in the State of Indiana.
- Attach Certificate of Insurance with EWSU as certificate holder.
- Attach Underground Utility license for City of Evansville and/or Vanderburgh County (required for Sewer Construction and Water Construction categories)

5-5



811 1-800-382-5544
FOR CALLS IN INDIANA CALL TOLL FREE



- EVANSVILLE WATER AND SEWER UTILITY PLAN WATER NOTES**
1. Notify Inspector (812-708-0502) with the Evansville Water and Sewer Utility 48 Hours prior to start of any service construction. All taps shall be witnessed by the Utility.
 2. Contractor shall comply with all local, state and federal codes, ordinances, rules, regulations, orders and other legal requirements of municipal authorities which bear on the performance of the work, which may not be recognized on the approved plan set.
 3. The portions of the Services to be maintained by EWSU shall be installed by or under the contractual authority of an EWSU Bonded Approved Water Contractor. (Portions of the service beyond the "End of EWSU Maintenance Responsibility" are governed by Plumbing Permits.) All testing and inspection responsibilities shall remain with the EWSU Bonded Approved Water Contractor.
 4. All water service taps shall be witnessed by an EWSU inspector. The contractor is to provide a minimum of 48-hour notice to Inspector (812-708-0502) before construction commences.
 5. For Gate Valve operating nuts that are going to be deeper than five feet, Contractor shall provide stainless steel extensions.
 6. Minimum of 18 inch vertical and 10 feet horizontal clearance to be maintained between water lines and sewer lines, unless otherwise approved by EWSU variance.
 7. Minimum separation between any water services shall be four feet, as measured from outside of pipe to outside of pipe, unless otherwise approved by EWSU variance.
 8. The contractor is cautioned that the location and / or elevation of existing utilities, as shown on these plans, is based on records of various utility companies, and where possible measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must contact the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. **Contractor shall locate existing utilities and establish elevations and clearances with proposed improvements prior to initiating construction.** Indiana underground utility locate service (IUPSS) phone: 811.
 9. Taps shall be installed at the approved plan locations. Any desired location changes shall be approved by the EWSU Utility Inspector. Taps are not to be made within four feet of any other tap or fitting. No taps shall be made within two feet of any pipe joint.
 10. No services to be installed within eight feet of any side property line. All service lines from main to property line valve or meter shall run perpendicular to the main. Deflections of service line shall only occur after the EWSU property line valve or meter.
 11. Material specifications shall be in conformance with applicable portions of the IDEM standard specifications, (latest edition) unless specifically stated otherwise on these plans, contract documents, or EWSU Water and Sewer Manual.
 12. Fire Service: The Evansville Water and Sewer Utility only Accepts for Maintenance the portion of a Fire Protection Service from the Utility maintained Water Main to the edge of the Road Right-of-Way/Property Line or within a Water & Sewer Utility accessible easement, where a Gate Valve is required. All taps shall be witnessed by EWSU. All 4" and larger Tapping Sleeves shall be Hydrostatically Tested to 150psi for 15 minutes with NO drop in pressure allowed and witnessed by a Utility Inspector prior to any further installation of the Fire Protection Service. The Tapping Coupon shall be saved and turned over to the Evansville Water and Sewer Utility Inspector. All Fire Protection Services shall be Hydrostatically Tested to 150psi for 2 Hours with NO drop in pressure allowed, witnessed by a Utility Inspector prior to any further installation of the service, and a Bacteriological Test from the water main to the required Backflow Preventer. Bacteriological Testing shall be requested in writing along with an **As-Built Drawing** of the installed service with dimensions between the Utility Valves and between the Tapping Sleeve and nearest system line valve or Hydrant.
 13. Fire Service: The **As-Built Drawing** shall also identify the installed location of the private service line and Flushing/Sampling points. Bacteriological Testing request shall include date and time of chlorine insertion. Contractor's site personnel with cell phone numbers and refer to the Utility Application Number found on all Approved Plans. The request shall be emailed to DJONOHNING@EWSU.COM, KPOFF@EWSU.COM, and BTARNES@EWSU.COM. An Activation Letter will be sent out after passing the Bacteriological Test, at which time the line is required to be activated within 14 Days. The Activation Letter must be signed and dated then returned to the Evansville Water and Sewer Utility Engineering. There shall be NO secondary water feed allowed between the EWSU Property Line Valve and the Backflow Preventer, without EWSU Approval. The Fire Protection Service shall remain off / inactive until after passing all Tests (Hydrostatic Tests & Bacteriological Test) and EWSU receives the signed Activation Letter back from the installation contractor.
 14. Domestic Service: The Evansville Water and Sewer Utility only Accepts for Maintenance the portion of a Large Domestic Water Service from the Utility maintained Water Main to the Meter Pit/Meter Vault which shall be located at the edge of the Road Right-of-Way/Property Line or within a Water & Sewer Utility Water Easement. All taps shall be witnessed by EWSU. All 4" and larger Tapping Sleeves shall be Hydrostatically Tested to 150psi for 15 minutes with NO drop in pressure allowed and witnessed by a Utility Inspector prior to any further installation of the large service. The Tapping coupon shall be saved and turned over to the Evansville Water and Sewer Utility. All 4" and larger Domestic Water Services shall be Hydrostatically Tested to 150psi for 2 Hours with NO drop in pressure allowed, witnessed by a Utility Inspector prior to any further installation of the large service, and a Bacteriological Test from the water main to the Backflow Preventer location. Bacteriological Testing shall be requested in writing along with an **As-Built Drawing** of the installed service with dimensions between the Utility Gate Valves and between Tapping Sleeve and nearest line valve or Hydrant.
 15. Domestic Service: The **As-Built Drawing** shall also identify the installed location of the private service line and Flushing/Sampling points. Bacteriological Testing request shall include date and time of chlorine insertion. Contractor's site personnel with cell phone numbers and refer to the Utility Application Number found on all Approved Plans. The request shall be emailed to DJONOHNING@EWSU.COM, KPOFF@EWSU.COM, and BTARNES@EWSU.COM. An Activation Letter will be sent out after passing the Bacteriological Test, at which time the line is required to be activated within 14 Days. The Activation Letter must be signed and dated then returned to the Evansville Water and Sewer Utility. When a Backflow Preventer is required on a Large Domestic Water Service there shall be No secondary water feed allowed between the Utility Water Main and the Backflow Preventer, without Utility Approval. No Meters shall be released prior to the passing of the Hydrostatic Test, Bacteriological Test and the Utility receiving the signed Activation Letter back from the installation contractor.

ASI #01 NOTE: SHEET ISSUED IN ITS ENTIRETY



INDIANA STATE POLICE POST AND FORENSICS LABORATORY
 19411 US-41
 Evansville, IN 47725

Owner
 Department of Administration, Public Works
 402 West Washington Street, Room W467
 Indiana Government Center - South
 Indianapolis, Indiana 46204-2746
 317-232-3001

Architect
 RATIO
 101 South Pennsylvania Street
 Indianapolis, Indiana 46204
 317-633-4040

Architect / Interior Design
 Guidon Design, Inc.
 1221 North Pennsylvania Street, Suite 200
 Indianapolis, Indiana 46202
 317-800-6388

Post and Forensic Laboratory Designer
 McClaren, Wilson & Lawrie, Inc.
 11798 N. Lakeridge Parkway
 Ashland, Virginia 23005
 804-228-7473

Structural Engineer
 Fink Roberts & Petrie, Inc.
 9449 Priority Way West Drive, Suite 200
 Indianapolis, Indiana 46240
 317-872-8400

Mechanical / Electrical Engineer
 Circle Design Group
 9229 Delegates Row, Suite 150
 Indianapolis, Indiana 46240
 317-781-7620

Civil Engineer
 Crisp
 9339 Priority Way West Drive, Suite 100
 Indianapolis, Indiana 46240
 317-844-6777

AV / IT Designer
 Design 27
 1650 Est 49th Street
 Indianapolis, Indiana 46205
 317-536-8000

SEAL DATE	DRAWN BY
	ERL PE
CHECKED BY	APPROVED BY
DK, PE	SP, PE
PICTURE NUMBER	190064-20000
10/21/22	
REVISION	
CONSTRUCTION DOCUMENTS	07/15/22
1 ADDENDUM #01	08/26/22
PERMIT SET	08/30/22
2 ADDENDUM #02	09/13/22
PERMIT SET	09/14/22
3 AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
 SHEET TITLE UTILITY DETAILS
 SHEET NUMBER C-506

Copyright Notice: The Architectural and Engineering drawings are prepared pursuant to the agreement with Ratio Group, Inc. and are the property of Ratio Group, Inc. All other drawings are the property of Ratio Group, Inc.

File Name: C:\3101\19064\30000\Coord\Eng\CD\3-C506_UTILITY_Details.dwg, October 21, 2022, 12:05 AM, ELANIE LYV @ Pault, Crisp, Inc.
 Plot File: C:\3101\19064\30000\Coord\Eng\CD\3-C506_UTILITY_Details.dwg, October 21, 2022, 12:05 AM, ELANIE LYV @ Pault, Crisp, Inc.
 Date: 10/21/2022

5.3.3.3.3 Flexible Pipe Installation (PVC C900 or PVC SDR 26)

- Plastic sewer pipe (PVC) and other flexible pipe shall be carefully installed in accordance with the above specification for Rigid Conduit Installation, except where the following paragraphs modify those specifications.
- Flexible conduit for sewer pipe shall be installed in accordance with "Underground Installation of Flexible Thermoplastic Pipe for Sewers and Other Gravity Flow Applications" ASTM D 2321.
- All flexible pipes shall be laid, bedded, haunched and backfilled in accordance with Standard Detail WW-15 for pipes constructed under or within five (5') feet of pavement or below the zone of influence of traffic as detailed in Standard Detail WW-21. All embedment and backfill materials and installation shall be per the Standard Specification for "Embedment and Backfill".
- All flexible pipes shall be laid, bedded, haunched and backfilled in accordance with Standard Detail WW-16 for pipes constructed outside of five (5') feet of the edge of pavement or not under the influence of traffic load. Standard Detail WW-21 shows the zone of influence of traffic for reference. All embedment and backfill materials and installation shall be per Standard Specification for "Embedment and Backfill".
- Compaction of bedding, haunching, and initial backfill is essential to maintain the structure and grade of flexible pipe and shall be specifically adhered to.

5.3.3.3.4 Testing Gravity Sanitary Sewers General

- Once constructed, all sanitary sewers and manholes shall be watertight and free from leakage. The Contractor shall be required to repair all visible leaks.
- Any leakage found during the infiltration test shall be corrected prior to acceptance. Grouting of the joint or crack to repair the leakage shall not be permitted for flexible pipe. If the defective portion of the sanitary sewer cannot be located, the Contractor shall remove and reconstruct as much of the work as is necessary to obtain a system that passes infiltration requirements.
- All gravity sanitary sewers constructed of flexible pipe shall be deflection tested no sooner than thirty (30) days after installation and complete backfill.
- The Contractor shall supply all equipment necessary to perform the tests required.
- All tests shall be conducted under the observation of a representative of the EWSU. It shall be the Contractor's responsibility to schedule testing.

5.3.3.3.5 Low Pressure Air Test (All Approved Gravity Sanitary Sewer Pipe Materials)

All gravity sanitary sewers shall be tested for infiltration by means of a low pressure air test as generally described herein. Any other infiltration test procedure will only be allowed following the submittal of the procedure to the EWSU for review and consideration.

5-35

A. Equipment

- The Contractor shall be responsible for providing all equipment and supplies necessary for the performance of a Low Pressure Air Test including but not limited to the following:
 - Pneumatic Plugs
 - Air Control Panel
 - Shut-Off Valve, Pressure Regulative Valve, Pressure Relief Valve and Input Pressure Gauge — The pressure regulator or relief valve set shall be set no higher than 10 psig to avoid over pressurization
 - Continuous monitoring pressure gauge having a range of 0 to 10 psig. The gauge shall be no less than 4 inches in diameter with minimum divisions of 0.10 psig and an accuracy of ± 0.04 psi.

- To reduce the potential for sewer line over-pressurization, two (2) separate hoses shall be used to: connect the control panel to the sealed line for introducing low pressure air, and a separate hose connection for constant monitoring of air pressure buildup in the line.

- If pneumatic plugs are utilized, a separate hose shall be required to inflate the pneumatic plugs.

B. Groundwater Elevation and Air Pressure Adjustment

- Groundwater monitoring methods shall require the approval of the EWSU. Groundwater depth shall be determined in the field by the Contractor.

C. Air Pressure Adjustment

The air pressure correction, which must be added to the 3.5 psig normal test starting pressure, shall be calculated by dividing the average vertical height, in feet of groundwater above the invert of the sewer pipe to be tested. The results give the air pressure correction in pounds per square inch to be added.

The allowable pressure drop of 1.0 psig and the timing in Table 1 are not affected and shall remain the same.

D. Maximum Test Pressure

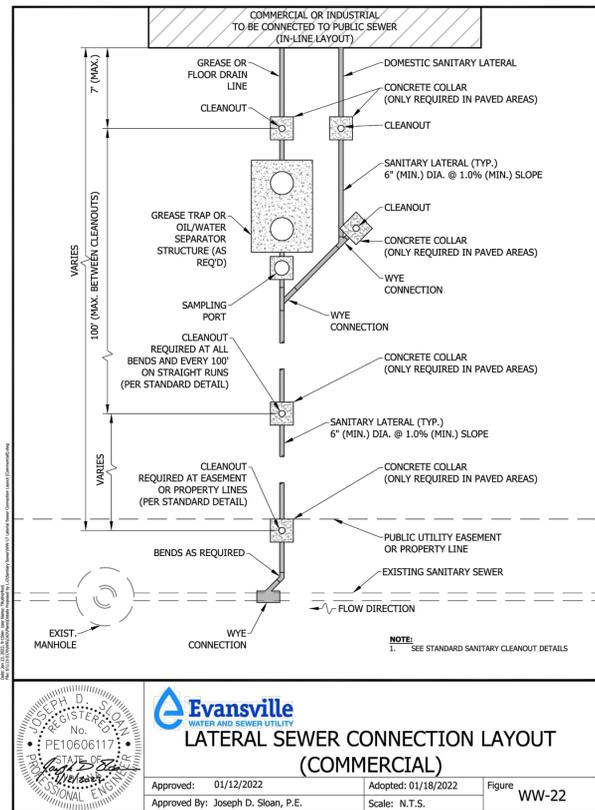
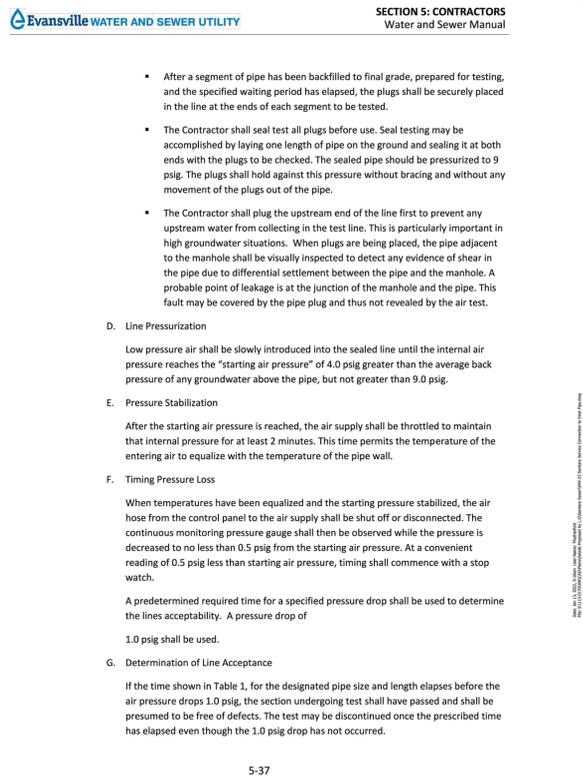
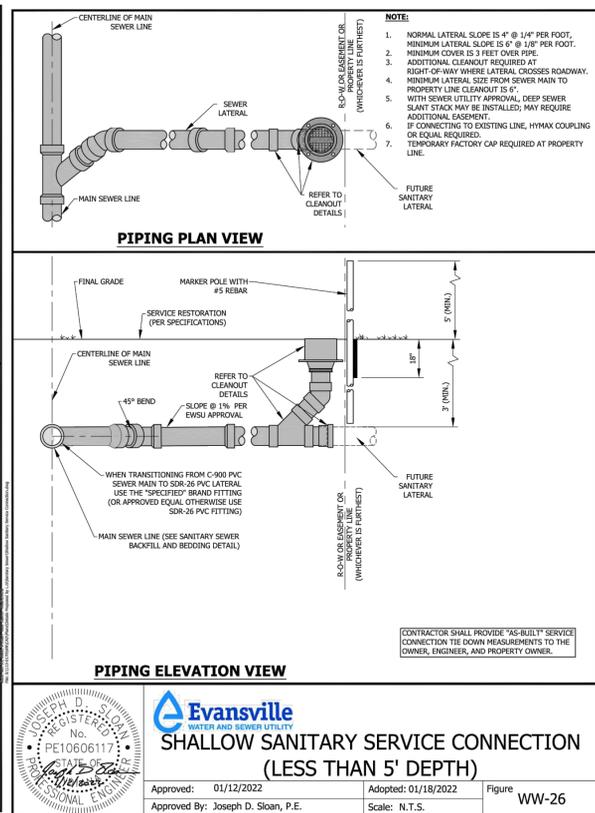
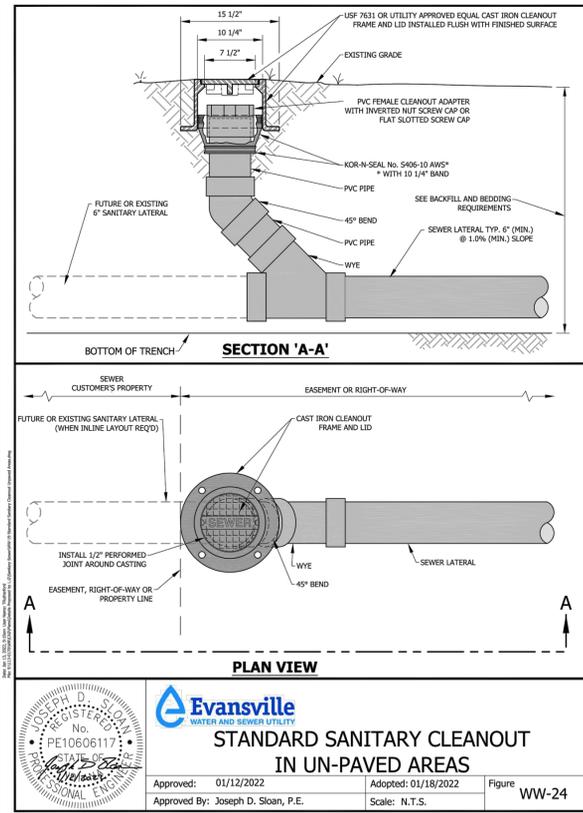
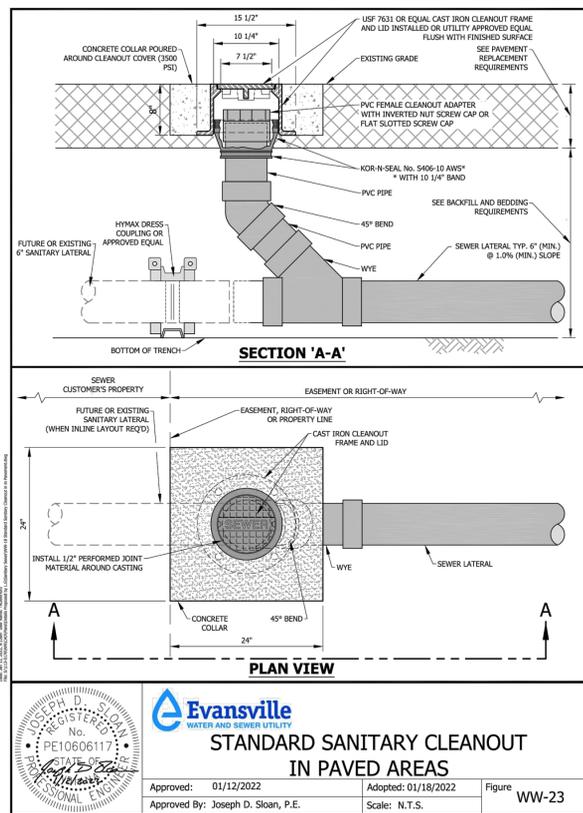
- In no case should the starting test pressure exceed 9.0 psig. If the average vertical height of groundwater above the pipe invert is more than 12.7 feet, the section so submerged may be tested using 9.0 psig as the starting test pressure. The 9 psig limit is intended to further ensure workman safety and falls within the range of the pressure monitoring gauges normally used.

C. Test Procedure

Following are general procedures to be employed in the performance of the test.

- Plug Installation and Testing

5-36



C. Test Procedure

Following are general procedures to be employed in the performance of the test.

- Plug Installation and Testing

5-36

5-37

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7475

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL / DATE	DRAWN BY
	ERI, PE
	CHECKED BY
	DK, PE
	APPROVED BY
	SP, PE
	PIC NUMBER
	190064-20000

REVISION	CONSTRUCTION DOCUMENTS	07/15/22
1	ADDENDUM #01	08/26/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C-506

ASI #01 NOTE: SHEET NUMBER REVISED FROM C-506 TO C-507



EVANSVILLE WATER AND SEWER UTILITY PLAN SEWER NOTES

1. Notify Inspector (812-708-0502) with the Evansville Water and Sewer Utility 48 Hours prior to start of any service construction. All taps shall be witnessed by the Utility.
2. Contractor shall comply with all local, state and federal codes, ordinances, rules, regulations, orders and other legal requirements of municipal authorities which bear on the performance of the work, which may not be recognized on the approved plan set.
3. The portions of the Services to be maintained by EWSU shall be installed by or under the contractual authority of an EWSU Bonded Approved Water Contractor. (Portions of the service beyond the "End of EWSU Maintenance Responsibility" are governed by Plumbing Permits.) All testing and inspection responsibilities shall remain with the EWSU Bonded Approved Water Contractor.
4. All sanitary sewer taps/connections shall be witnessed by an EWSU Inspector. The contractor is to provide a minimum of 48-hour notice to Inspector (Len Wil. 812-305-7514) before construction commences.
5. Minimum of 18 inch vertical and 10 feet horizontal clearance to be maintained between water lines and sewer lines, unless otherwise approved by EWSU variance.
6. The contractor is cautioned that the location and / or elevation of existing utilities, as shown on these plans, is based on records of various utility companies, and where possible measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must contact the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. **Contractor shall locate existing utilities and establish elevations and clearances with proposed improvements prior to initiating construction.** Indiana underground utility locate service (IUPS) phone: 811.
7. Taps shall be installed at the approved plan locations. Any desired location changes shall be approved by the EWSU utility inspector. Taps are not to be made within four feet of any other tap or fitting. No taps shall be made within two feet of any pipe joint.
8. Material specifications shall be in conformance with applicable portions of the IDEM standard specifications, (latest edition) unless specifically stated otherwise on these plans, contract documents, or EWSU Water and Sewer Manual.

H. Determination of Line Failure

If the pressure drops 1.0 psig before the appropriate time shown in Table 1 has elapsed, the air loss rate shall be considered excessive and the section of pipe shall be determined to have failed the test.

I. Testing Main Sewers with Laterals

In general, the EWSU will only approve the construction of the main line sewer and wye connections with the lateral stubbed-off to the property line. Private sewer lateral connections shall not be made to the lateral prior to the project passing all testing.

J. Specified Time Tables

To facilitate the proper use of this recommended practice for air testing, Table 1 is provided. Table 5.1 contains the specified minimum times required for a 1.0 psig pressure drop from a starting pressure of at least 3.5 psig greater than the average back pressure of any groundwater above the pipe's invert.

5.3.3.3.6 Deflection Test for Flexible Pipe

Maximum ring deflection of the pipe line under load shall be limited to 5% of the vertical internal pipe diameter. The Contractor shall provide a proving ring that is ASTM certified to within 5% of the nominal diameter of the pipe installed on the project.

A representative of the EWSU must be present during the deflection testing. It is the responsibility of the Contractor to provide sufficient notice to the EWSU so that testing can be witnessed.

All flexible pipes shall be mandrel tested with a rigid device sized to pass five percent (5%) or less vertical deflection (or deformation) of the base inside diameter of the pipe. The mandrel test shall be conducted no earlier than thirty (30) days after reaching final trench backfill grade.

Each pipe material/type required to be Mandrel tested shall be tested with a mandrel approved by the pipe manufacturer and meeting the requirements of this Section.

The mandrel shall be pulled by hand through all sewer lines in a manner acceptable to the EWSU and any section of sewer not passing the mandrel shall be uncovered, replaced or repaired to the satisfaction of the EWSU and retested.

The Contractor shall provide proving rings to check the mandrel. Drawings of mandrels with complete dimensions shall be furnished to the EWSU upon request for each diameter and specification type. The EWSU reserves the right to check the mandrel for proper size.

SPECIFICATION TIME REQUIRED FOR A 1.0 PSIG PRESSURE DROP FOR SIZE AND LENGTH OF PIPE INDICATED FOR Q = 0.0015

Pipe Dia. (in)	Min. Time (min:sec)	Length for Min. Time (ft)	Time for Longer Length (sec/ft)	Specification Time for Length (L) Shown (min:sec)									
				100 ft	150 ft	200 ft	250 ft	300 ft	350 ft	400 ft	450 ft		
4	3:46	597	0.380	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46
6	5:40	398	0.854	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:42	6:24	
8	7:34	298	1.520	7:34	7:34	7:34	7:34	7:36	8:52	10:08	11:24		
10	9:26	239	2.374	9:26	9:26	9:26	9:26	9:53	11:52	13:51	15:49	17:48	
12	11:20	199	3.418	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38		
15	14:10	159	5.342	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04		
18	17:00	133	7.692	17:00	19:13	25:38	32:03	38:27	44:52	51:16	57:41		
21	19:50	114	10.470	19:50	26:10	34:54	43:37	52:21	61:00	69:48	78:31		
24	22:40	99	13.674	22:47	34:11	45:34	56:58	68:22	79:46	91:10	102:33		
27	25:30	88	17.306	28:51	43:16	57:41	72:07	86:32	100:57	115:22	129:48		
30	28:20	80	21.366	35:37	53:25	71:13	89:02	106:50	124:38	142:26	160:15		
33	31:10	72	25.852	43:05	64:38	86:10	107:43	129:16	150:43	172:21	193:53		
36	34:00	66	30.768	51:17	76:55	102:34	128:12	153:50	179:29	205:07	230:46		
42	39:48	57	41.883	69:48	104:42	139:37	174:30	209:24	244:19	279:13	314:07		
48	45:34	50	54.705	91:10	136:45	182:21	227:55	273:31	319:06	364:42	410:17		

TABLE 5-1: TIME REQUIRED FOR A 1.0 PSIG PRESSURE DROP FOR AIR TESTING PIPE

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
8339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL DATE	DRAWN BY EBL PE
	CHECKED BY DK, PE
	APPROVED BY SP, PE
10/21/22	PIC NUMBER 190064-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	08/28/22
	PERMIT SET	08/30/22
2	ADDENDUM #02	09/13/22
	PERMIT SET	09/14/22
3	AGENCY RESPONSES	10/20/22

RATIO
COPYRIGHT NOTICE: THE ARCHITECTURAL AND ENGINEERING DRAWINGS, SPECIFICATIONS, AND CONTRACT DOCUMENTS ARE THE PROPERTY OF RATIO AND ARE TO BE USED ONLY IN ACCORDANCE WITH THE AGREEMENT WITH RATIO. NO OTHER USE, REPRODUCTION, OR DISTRIBUTION MAY BE MADE WITHOUT THE WRITTEN CONSENT OF RATIO. ALL DIMENSIONS AND NOTES ON CONTRACT DOCUMENTS ARE HEREBY SPECIFICALLY REFERENCED.

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C-508



INDIANA STATE POLICE POST AND FORENSICS LABORATORY

19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-433-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Petrie, Inc.
8449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

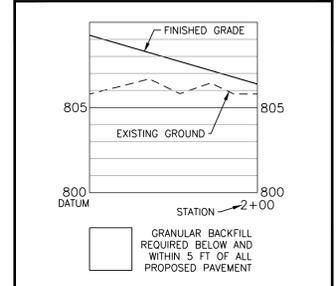
Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

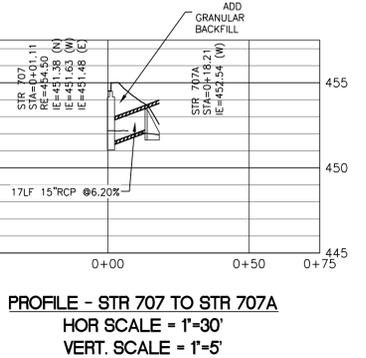
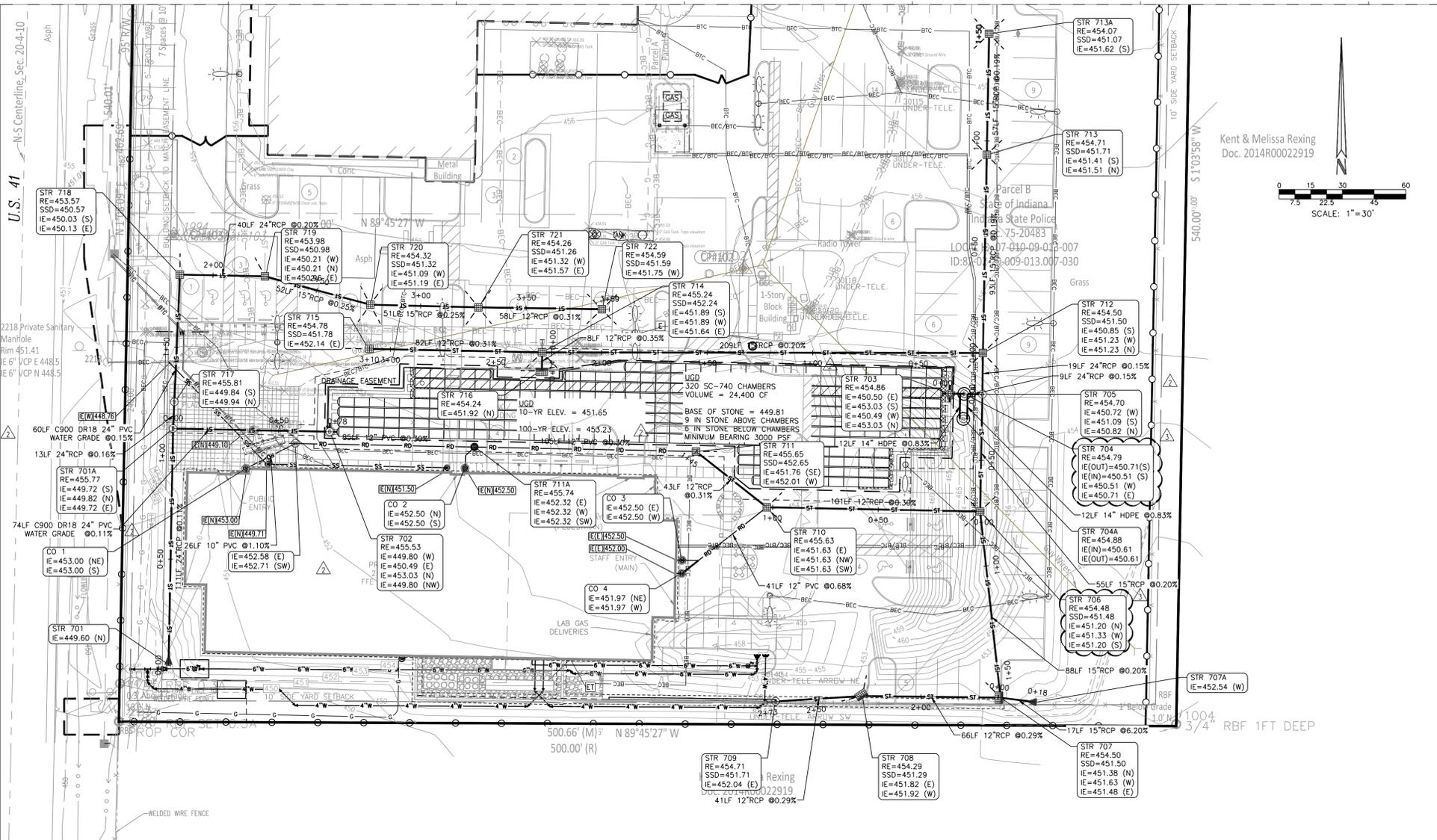
STORM SEWER PLAN AND PROFILE GENERAL NOTES

- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "T" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
- IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUDED, TROWELED SMOOTH AND BRUSH FINISHED.
- ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
- FIELD ADJUSTMENTS OF TOP OF CURB (TC) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE, AT NO COST TO THE OWNER.
- STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
- STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
- FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
- RIM ELEVATIONS (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER A STRUCTURE.
- INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION.
- NO BLASTING SHALL BE PERFORMED ON THIS SITE.
- NO SEISMIC VIBRATING OPERATIONS WILL OCCUR ON THIS SITE.
- STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.
- DEBRIS GUARD TO BE INSTALLED ON ALL OPEN ENDED INLETS.
- ALL STORM SEWER, INCLUDING SSD, SHALL BE CLEANED AND TOWELED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED.
- ALL BEEHIVE CASTINGS ON A 2'X2' BOX SHALL HAVE A SQUARE RISER WITH A ROUND HOLE.
- WHERE CONNECTIONS ARE MADE TO EXISTING MANHOLES OR INLET STRUCTURES, THOSE STRUCTURES SHALL BE REHABILITATED OR REPLACED TO THOSE MINIMUM STANDARDS INDOT SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION. THE REHABILITATION SHALL INCLUDE THE INSTALLATION OF BENCH WALLS, AS WELL AS PREScribed MEASURES TO ELIMINATE THE POTENTIAL FOR MIGRATION OF BACKFILL MATERIALS INTO THE STORMWATER SYSTEMS.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

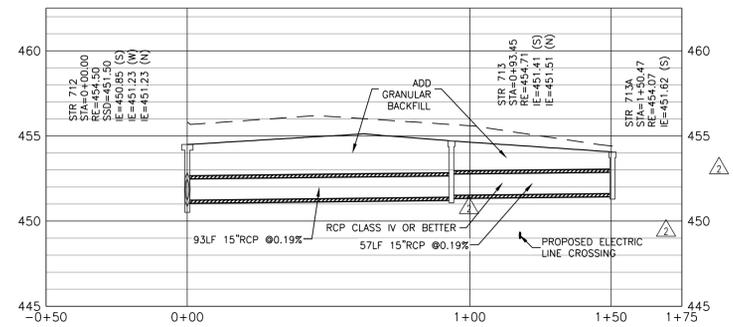
PROFILE LEGEND



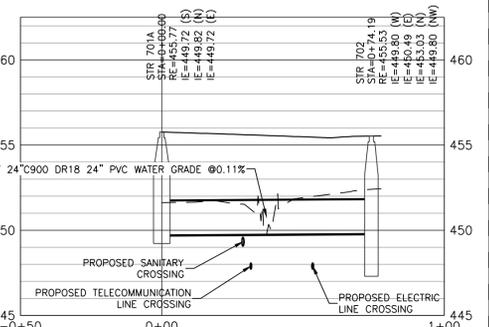
NOTE 21: ALL RCP PIPE LESS THAN 3 FT OF COVER SHALL BE CLASS IV OR BETTER RCP PIPE.



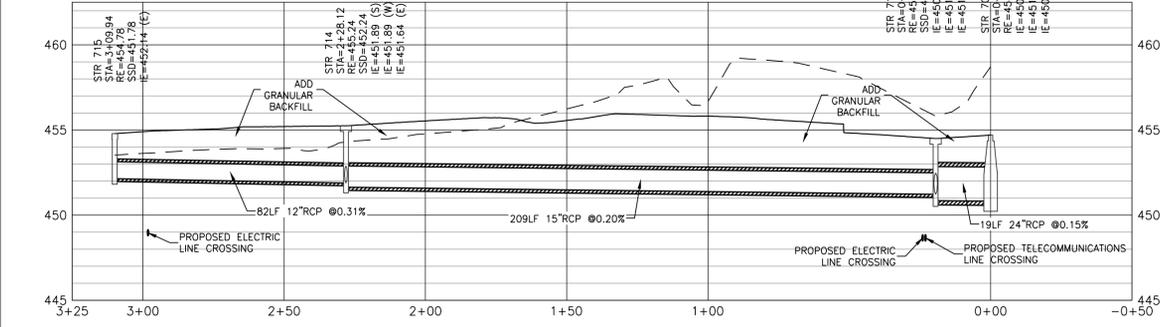
PROFILE - STR 707 TO STR 707A
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'



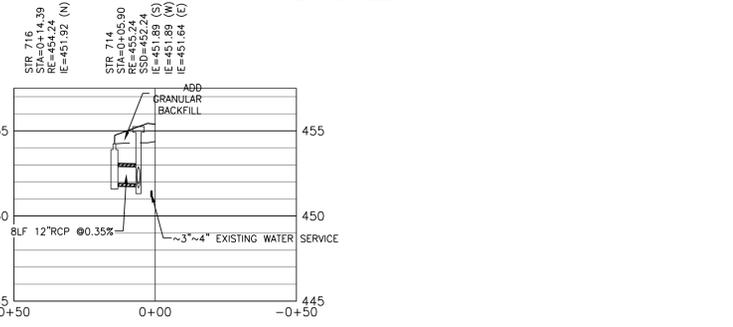
PROFILE - STR 712 TO STR 713A
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'



PROFILE - STR 701A TO STR 702
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'



PROFILE - STR 715 TO STR 705
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'



PROFILE - STR 716 TO STR 714
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'

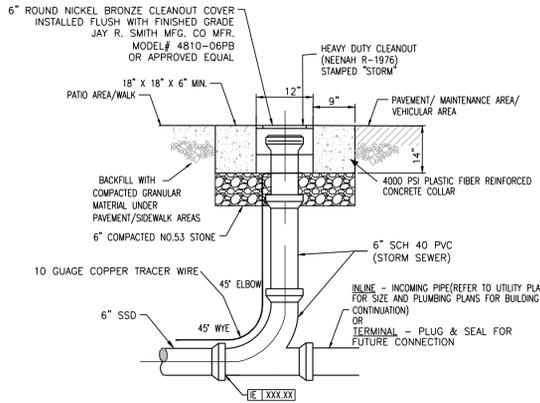
SEAL / DATE		DRAWN BY EBI, PE
		CHECKED BY DK, PE
		APPROVED BY SP, PE
	10/21/22	PIC NUMBER 190064-20000

RATIO

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
STORM SEWER PLAN AND PROFILES
SHEET NUMBER
C-702

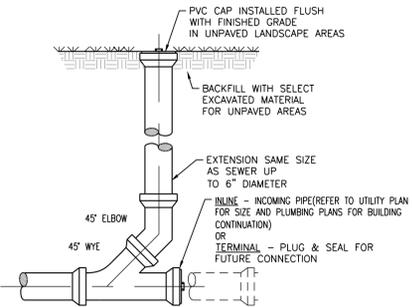


File Name: C:\2019\190064-20000\Coord\Eng\CDS\C702_Storm Sewer Plan and Profiles.dwg, October 20, 2022 11:39 PM, ELAINE WY., Praeli, Cripe, Inc.
 Plot Date: 10/20/22 11:39 AM, Praeli, Cripe, Inc.



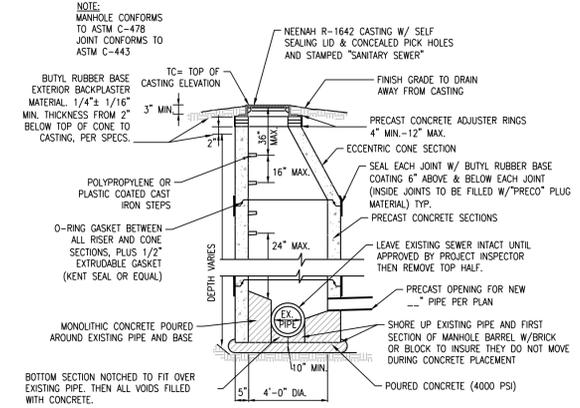
STORM SEWER CLEANOUT IN PAVEMENT

NO SCALE



STORM SEWER CLEANOUT IN LANDSCAPE AREAS

NOT TO SCALE

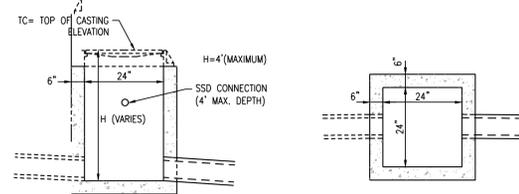


NEW MANHOLE OVER EX. PIPE

NOT TO SCALE

E/W	NEENAH	TYPE	USE	DIM
7490-M1	R-3501-N	CURB INLET	LOW POINT	24" X 24"
7495-LH-RH	R-3501-TL-TR	CURB INLET	FLOW LEFT OR RIGHT	25" X 27"
-	R-3405	INLET	PARKING LOT	25" X 25"
-	R-2501	GRATE	PARKING LOT	24"φ
6489	R-4342	DITCH GRATE	SWALES	24"φ

* REQUIRES FLAT TOP WITH 24"φ OPENING



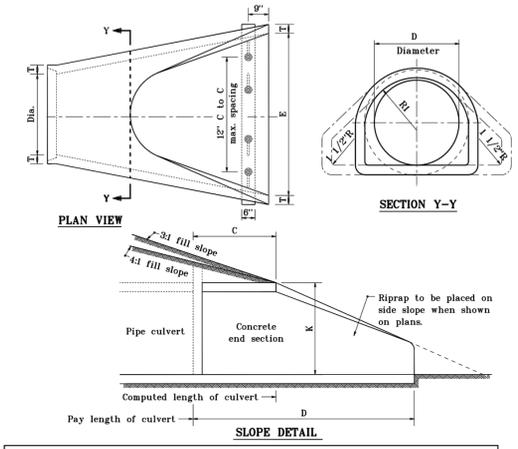
Place manholes and catch basins on a minimum 6 inches of No. 2 crushed stone that has been mechanically compacted. Where unstable or poor soil conditions exist, additional No. 2 crushed stone or Class B concrete shall be placed to form a stable base. The remainder of the manhole shall be backfilled using No. 53 or No. 8 stone. Stone shall be placed in 6-inch lifts and mechanically compacted to 95 percent maximum dry density as determined by ASTM D 698. Catch Basins Installation

Compact fill placed under any street or sidewalk or within the building pad areas to 95% maximum density as determined by ASTM D 1557.

PRECAST TYPE 'AM' INLET

NOT TO SCALE

MODIFIED



DIA.	T (min.)	A (±1')	C (±1')	D (±1')	E (±1')	K	R1	R2	APPROX. WEIGHT, lb.
12"	2"	6"	4'-3"	6'-2"	3'-0"	1.3	10 1/2"	9"	800
15"	2 1/2"	7"	4'-0"	6'-3"	3'-6"	1.6	12 1/2"	11"	1100
18"	3"	8"	4'-1"	6'-2"	3'-0"	1.8	15 1/2"	12"	1300
24"	3 1/2"	11"	3'-6"	6'-3"	3'-6"	2.1	16 1/2"	13"	1500
24"	3"	1'-0"	2'-8"	6'-3"	4'-0"	2.3	16 1/2"	14"	1800
27"	3 1/2"	1'-1"	2'-5"	6'-3"	4'-6"	2.6	18 1/2"	14 1/2"	2100
30"	3 1/2"	1'-2"	4'-10"	6'-3"	5'-0"	3.0	18 1/2"	15"	2400
33"	3 1/2"	1'-3"	3'-6"	6'-3"	5'-6"	3.4	20 1/2"	17 1/2"	4100
36"	4"	1'-5"	3'-1"	6'-3"	6'-0"	3.4	24 1/2"	20"	4300

INDIANA DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE END SECTION
 MAY 1998
 STANDARD DRAWING NO. E 715-PCES-01
 DETAILS PLACED IN THE FORM

DESIGNED BY: *Anthony L. Uremovich* 11-15-99
 CHECKED BY: *Frank Zandi* 11-15-99
 ORIGINALLY APPROVED: 9-02-97

NYLOPLAST 12" - 24" DURASLOT TEE STANDARD DETAIL

1 - NYLOPLAST 12" DUCTILE IRON FRAME & GRATE / SOLID COVER
 2 - ADAPTERS FOR DURASLOT CONNECTION RANGE BETWEEN 12"-24". SEE DRAWING NO. 7001-110-275 FOR ADS N-12 BELL INFORMATION.
 3 - SLOT HEIGHT VARIES DEPENDING ON DESIGN CRITERIA.
 4 - ENCASE ADAPTER IN CONCRETE TO SEAL CONNECTION BETWEEN ADS DURASLOT PIPE AND NYLOPLAST TEE BODY.
 5 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES.

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
STANDARD	MEETS H-20	1299C05	7001-110-203
SOLID COVER	MEETS H-20	1299C06	7001-110-204

NYLOPLAST DURASLOT TEE	NYLOPLAST P/N	P/N DESCRIPTION
126SAGDS	12" X 12" DURASLOT TEE	
156SAGDS	15" X 12" DURASLOT TEE	
186SAGDS	18" X 12" DURASLOT TEE	
246SAGDS	24" X 12" DURASLOT TEE	

INDIANA DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE END SECTION
 MAY 1998
 STANDARD DRAWING NO. E 715-PCES-01
 DETAILS PLACED IN THE FORM

DESIGNED BY: *Anthony L. Uremovich* 11-15-99
 CHECKED BY: *Frank Zandi* 11-15-99
 ORIGINALLY APPROVED: 9-02-97

INDIANA DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE END SECTION
 MAY 1998
 STANDARD DRAWING NO. E 715-PCES-01
 DETAILS PLACED IN THE FORM

DESIGNED BY: *Anthony L. Uremovich* 11-15-99
 CHECKED BY: *Frank Zandi* 11-15-99
 ORIGINALLY APPROVED: 9-02-97

GENERAL NOTES

① For eccentric and concentric cone heights see cone heights table on Standard Drawing E 720-MHST-08.

INDIANA DEPARTMENT OF TRANSPORTATION
MANHOLE TYPE C
 SEPTEMBER 1997
 STANDARD DRAWING NO. E 720-MHST-02
 DETAILS PLACED IN THE FORM 11-16-99

DESIGNED BY: *Anthony L. Uremovich* 11-15-99
 CHECKED BY: *Frank Zandi* 11-15-99
 ORIGINALLY APPROVED: 9-02-97

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
 19411 US-41
 Evansville, IN 47725

Owner
Department of Administration, Public Works
 402 West Washington Street, Room W467
 Indiana Government Center - South
 Indianapolis, Indiana 46204-2746
 317-232-3001

Architect
RATIO
 101 South Pennsylvania Street
 Indianapolis, Indiana 46204
 317-633-4040

Architect / Interior Design
Guidon Design, Inc.
 1221 North Pennsylvania Street, Suite 200
 Indianapolis, Indiana 46202
 317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
 11798 N. Lakeridge Parkway
 Ashland, Virginia 23005
 804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
 9449 Priority Way West Drive, Suite 200
 Indianapolis, Indiana 46240
 317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
 9229 Delegates Row, Suite 150
 Indianapolis, Indiana 46240
 317-781-7620

Civil Engineer
Cripe
 9339 Priority Way West Drive, Suite 100
 Indianapolis, Indiana 46240
 317-844-6777

AV / IT Designer
Design 27
 1650 East 49th Street
 Indianapolis, Indiana 46205
 317-536-8000

SEAL / DATE
Shek Khan
 10/21/22

DRAWN BY
 EBI, PE

CHECKED BY
 DK, PE

APPROVED BY
 SP, PE

PIC NUMBER
 190044-20000

REVISION	CONSTRUCTION DOCUMENTS	DATE
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	09/13/22
3	AGENCY RESPONSES	10/20/22

NO.	DESCRIPTION	DATE
1	ADDENDUM #01	08/26/22
2	ADDENDUM #02	09/13/22
3	AGENCY RESPONSES	10/20/22

RATIO

PROJECT NO. 00100-18-023-D1 ISP
 SHEET TITLE **STORM SEWER DETAILS**
 SHEET NUMBER **C-703**

Indiana 811
 Know what's below.
 Call before you dig.
 811 FOR CALLS IN INDIANA
 1-800-382-5544 CALL TOLL FREE

△ ADDENDUM #01 NOTE: DURASLOT DETAIL MOVED TO SHEET C-706

STEP 1 OF 2

Standard Inlet
3"x4"
7.75"
Stainless Steel
Color

NEXT

COLOR PER ARCHITECT

CONFIRM ACTUAL ARCHITECTURE DOWNSPOUT SIZE PRIOR TO SUBMITTING SHOP DRAWING

7.75" 9.25"

4.125" 4.00" 3.125"

3/8/2019
Stainless Steel
N.T.S.
USA
MODEL# A1 OR APPROVED EQUAL

PIEDMONT PIPE MANUFACTURING
www.piedmontpipe.com PHONE# 704-489-0911

PROPRIETARY AND CONFIDENTIAL

R-3404 to R-3405 Series
Gutter Inlet Frame, Grate

Heavy Duty

CATALOG NUMBER	GRATE TYPE	SO. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3404	H	1.4	7.2
R-3405	H	1.5	7.8
R-3405-A	H	1.3	8.0
R-3405-A	L	1.5	8.0
R-3405-B	H	1.3	8.0
R-3405-B	L	1.5	8.0
R-3405-D3	H	3.5	10
R-3405-D4	H	3.5	10

Dimensions in inches

Catalog No.	A	B	C	E	F	G	H
R-3404	21 1/2 x 21 1/2	1 1/2	20 1/8 x 20 1/8	30 5/8 x 30 5/8	5 1/8	2 x 2	15/16
R-3405	23 5/8 x 23 5/8	1 1/2	22 x 22	32 3/4 x 32 3/4	6	2 1/8 x 2 1/8	1
R-3405-A **	23 7/8 x 23 7/8	2	22 x 22	32 1/8 x 32 1/8	6 1/8	2 1/4 x 2 1/4	1 7/16
R-3405-B ***	23 7/8 x 23 7/8	2	22 x 22	32 1/8 x 29	6 1/8	2 1/4 x 2 1/4	1 7/16
R-3405-D3 +	29 3/4 x 29 3/4	1 7/16	28 1/2 x 28 1/2	34 3/4 x 38	6	3 3/4 x 3 3/4	1 1/16
R-3405-D4	29 3/4 x 29 3/4	1 7/16	28 1/2 x 28 1/2	38 x 38	6	3 3/4 x 3 3/4	1 1/16

* Same as R-3405-A except base flange on 3 sides only.
** Also available grate Type L.
+ Same as R-3405-D4 except base flange on 3 sides only.

Type L

DOWNSPOUT DRAIN

NOT TO SCALE

3"x3" DOWNSPOUT PER ARCHITECTURE PLANS
DOWNSPOUT CONNECTION BOOT/ADAPTOR FOR DOWNSPOUT TO 6" ROUND
FINISH GRADE
1" MIN.-8" MAX.
6" PVC (SCHEDULE 40)
EXTENSION SAME SIZE AS SEWER UP TO 6" DIAMETER REDUCER FROM PLAN SIZE TO 6" AS NEEDED
PLUG & SEAL FOR FUTURE CONNECTION OR CONTINUATION OF MAIN
SEWER ELBOW OR TEE
PROVIDE WYE WITH STORM SEWER CLEANOUT IF DOWNSPOUT ADAPTOR DOES NOT INCLUDE A CLEANOUT.
ROOF DRAIN PIPE SIZE PER STORM PLAN AND PROFILE SHEETS

WATER QUALITY DIVERSION STRUCTURE (STR 704)

NOT TO SCALE

CAST-IN-PLACE CONCRETE DIVERSION WEIR (SEE TABLE FOR WEIR HEIGHT FOR EACH STORM STRUCTURE)
PIPE TO AQUASWIRL WATER QUALITY TREATMENT STRUCTURE (SEE PLAN FOR MATERIAL AND SIZE)
PIPE FROM AQUASWIRL WATER QUALITY TREATMENT STRUCTURE (SEE PLAN FOR MATERIAL AND SIZE)
CAST-IN-PLACE REINFORCED 4000 PSI CONCRETE OVERFLOW WEIR ANCHORED AND SEALED TO STRUCTURE
NOTE: ALL INCOMING PIPE FLOWS SHALL BE DIVERTED TO AQUASWIRL STRUCTURE

STRUCTURE (number)	TOP OF WEIR ELEV. (feet)	WEIR HEIGHT (inch)
704	451.33	7.44

PERFORATED UNDERDRAIN (SSD) AND GRAVEL FENCH DRAIN

NOT TO SCALE

SEE LANDSCAPE PLANS AND SPECIFICATIONS FOR SOIL MIX AND DEPTH
UNDISTURBED SOIL
FINISH GRADE
12" MIN. 48" MAX.
VARIES
VARIES
4" 4" VARIES
COMPACTED WASHED #8 STONE
NON WOVEN FILTER FABRIC
PERFORATED DOUBLE WALL HDPE PIPE AASHTO M252 (SEE PLANS FOR SIZE)

NOTE: IF LIME OR OTHER CHEMICAL STABILIZATION IS REQUIRED FOR SUBSURFACE SOILS PER GEOTECHNICAL REPORT OR FIELD CONDITIONS, THEN UNDERDRAINS SHALL BE CUT IN AND INSTALLED WITH WASHED STONE AFTER SOIL STABILIZATION.

PERFORATED UNDERDRAIN (SSD) UNDER PAVEMENT OR GRAVEL AREA

NOT TO SCALE

EXISTING PAVEMENT OR GRAVEL
FINISH GRADE
SURFACE LAYERS
COMPACTED STONE BASE
COMPACTED SOIL
COMPACTED WASHED #8 STONE
NON WOVEN FILTER FABRIC
PERFORATED DOUBLE WALL HDPE PIPE AASHTO M252 (SEE PLANS FOR SIZE)
4" 4" VARIES
24" MIN. 48" MAX.
VARIES

NOTE: IF LIME OR OTHER CHEMICAL STABILIZATION IS REQUIRED FOR SUBSURFACE SOILS PER GEOTECHNICAL REPORT OR FIELD CONDITIONS, THEN UNDERDRAINS SHALL BE CUT IN AND INSTALLED WITH WASHED STONE AFTER SOIL STABILIZATION.

STRUCTURE TABLE

STRUCTURE #	STRUCTURE TYPE	SIZE	CASTING	NOTES
STR 701	CONCRETE END SECTION	24"	TRASH GAURD	TRASH GAURD
STR 701A	MANHOLE	60"	NEENAH R-1772	
STR 702	MANHOLE	60"	NEENAH R-1772	
STR 703	MANHOLE	60"	NEENAH R-1772	
STR 704	MANHOLE	96"	NEENAH R-1772	
STR 704A	AQUA-SWIRL WATER QUALITY UNIT	XC-5	TRAFFIC RATED	SEE MANUFACTURER DETAIL
STR 705	MANHOLE	60"	NEENAH R-1772	
STR 706	MANHOLE	48"	NEENAH R-3405	
STR 707	INLET	24" x 36"	NEENAH R-3287-10V	
STR 707A	CONCRETE END SECTION	12"	TRASH GAURD	TRASH GAURD
STR 708	INLET	24" x 36"	NEENAH R-3287-10V	
STR 709	TRENCH DRAIN	NA	NA	SEE ADS DURASLOT DETAIL
STR 710	MANHOLE	48"	NEENAH R-3405	
STR 711	INLET	24" x 24"	NEENAH R-3405	
STR 711A	INLET	24" x 24"	NEENAH R-1772	
STR 712	INLET	24" x 24"	NEENAH R-3405	
STR 713	INLET	30" x 30"	NEENAH R-3405	
STR 713A	INLET	30" x 30"	NEENAH R-3405	
STR 714	INLET	30" x 30"	NEENAH R-3405	
STR 715	INLET	24" x 24"	NEENAH R-3405	
STR 716	INLET	24" x 36"	NEENAH R-3287-10V	
STR 717	AQUA-SWIRL WATER QUALITY UNIT	XC-4	TRAFFIC RATED	SEE MANUFACTURER DETAIL
STR 718	INLET	30"x30"	NEENAH R-3405	
STR 719	INLET	30" x 30"	NEENAH R-3405	
STR 720	INLET	30" x 30"	NEENAH R-3405	
STR 721	INLET	30" x 30"	NEENAH R-3405	
STR 722	INLET	24" x 24"	NEENAH R-3405	

NOTES: SEE INDOT STORM MANHOLES (MH) DETAILS SHEET C704 FOR MANHOLES WITH CONE TYPE REDUCERS.
ALL STORM INLET CASTINGS MUST BE STAMPED "NO DUMPING, DRAINS TO STREAM" CAST IN RAISED LETTERS AT MINIMUM 1" IN HEIGHT. A SYMBOL OF A FISH SHALL BE CAST WITH THE LETTERS.
ALL CASTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL. IF AN OTHERWISE EQUAL INLET CASTING IS NOT AVAILABLE WITH THE ENVIRONMENTAL WARNING, AN ALUMINUM STAINLESS STEEL ENVIRONMENTAL STORM DRAIN MARKER SHALL BE INCLUDED TO QUALIFY AS EQUAL.

PRECAST TYPE 'J' INLET

NOT TO SCALE

NOTE: SHALL BE MODIFIED WITH 36"x24" INSIDE DIMENSION AND A 4" FLAT TOP WITH A 4" DONUT WITH CASTINGS TO FIT 36" WIDE BOX.

STRUCTURE DATA TABLE

NO SCALE

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL | DATE

Shea P. Peltre

SEAL

NO. PE11800221
STATE OF INDIANA
PROFESSIONAL ENGINEER

10/21/22

DRAWN BY
EBI, PE

CHECKED BY
DK, PE

APPROVED BY
SP, PE

PIC NUMBER
19064-2000

REISSUE

CONSTRUCTION DOCUMENTS	DATE
1 ADDENDUM #01	08/26/22
PERMIT SET	08/30/22
2 ADDENDUM #02	09/13/22
PERMIT SET	09/14/22
3 AGENCY RESPONSES	10/20/22

RATIO

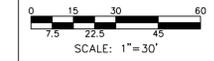
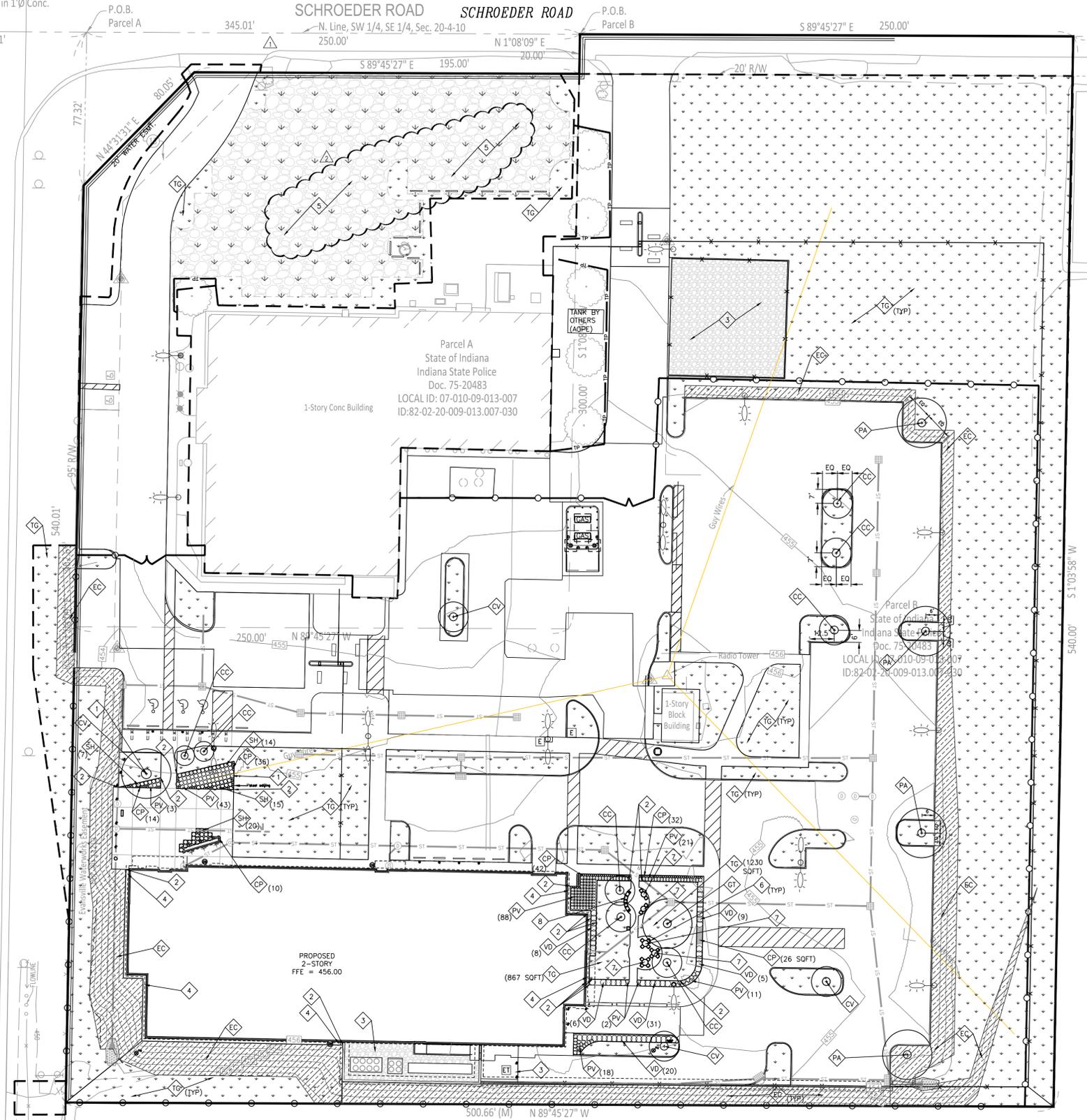
PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
STORM SEWER DETAILS
SHEET NUMBER
C-704

INDIANA 811
Know what's below.
Call before you dig.
811 FOR CALLS IN INDIANA 1-800-382-5544
CALL TOLL FREE

C:\2019\19064\20000\Coord\Eng\CD\3-C703-704_Storm_Details.dwg, October 21, 2022 12:00 AM, ELAINE WY, © Paul L. Cripe, Inc.

POT 673+21.3 "AA" RF-28(14), 1975
3/4" Rebar Found in 1' Conc.

U.S. 41
Indiana State Highway Plan No. F28(aa,1963)
U.S. 41
N+S Centerline, Sec. 20-4-10



PLANTING PLAN LEGEND

- CONSTRUCTION FENCING
- TP --- TP --- TREE PRESERVATION FENCING
- CONSTRUCTION LIMITS
- PERMANENT SEEDING WITH EROSION CONTROL BLANKET (M/G SC150 OR EQUAL)
- TURFGRASS LAWN PERMANENT SEEDING; OVERSEED (LAWN RESTORATION)
- AGGREGATE SURFACING, DRIVEWAY STONE
- TEMPORARY AGGREGATE SURFACING ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPREAD TOPSOIL, AND PERMANENT SEED ENTIRE AREA.

PLANTING PLAN NOTES

1. WORK SHOWN ON THE DRAWINGS SHALL BE BASE BID UNLESS SPECIFICALLY NOTED TO BE BY ALTERNATE BID.
2. IF PROPOSED SITE REMOVALS/IMPROVEMENTS/CONDITIONS/LAYOUTS DIFFER BETWEEN THESE AND OTHER DRAWINGS, NOTIFY ARCHITECT FOR INTERPRETATION.
3. PROVIDE ADDITIONAL TOPSOIL AND/OR STONE TO RESTORE GRADE ELEVATIONS TO EXISTING AND SEED OR SOO IF REQUIRED.
4. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS BASED UPON INFORMATION AVAILABLE AT THE TIME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND REPAIRING OR REPLACING DAMAGE DONE TO THEM DURING THE COURSE OF EXPLORATION, LOCATION AND CONSTRUCTION. TO HAVE EXISTING UNDERGROUND UTILITIES LOCATED AND IDENTIFIED, CONTACT INDIANA 811 BY CALLING 811 OR 1-800-382-5544.
5. TAKE PARTICULAR CARE WHEN EXCAVATING NEAR AND AROUND EXISTING UTILITY LINES AND EQUIPMENT SO AS NOT TO CAUSE DAMAGE. VERIFY COVER REQUIREMENTS WITH APPLICABLE UTILITY COMPANY. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, NOTIFY UTILITY COMPANY SO THAT REPRESENTATIVE MAY BE PRESENT TO OBSERVE AND INSTRUCT DURING WORK.
6. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED OR USED BY OWNER OR OTHERS WITHOUT PRIOR APPROVAL FROM OWNER.
7. CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK AND IS RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD DIMENSIONS OR CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
8. PROVIDE POSITIVE SURFACE DRAINAGE ON ALL SURFACES WITHOUT PONDING DURING CONSTRUCTION AND FOLLOWING COMPLETION. TEST FOR AND CORRECT ANY PONDING CONDITIONS. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AREAS AND EXISTING FEATURES.
9. ALL WORK SHALL COMPLY WITH STATE AND LOCAL REGULATIONS.
10. STRIPPED TOPSOIL MUST BE STOCKPILED ACCORDING TO PROJECT SPECIFICATIONS. STOCKPILED TOPSOIL CONTAMINATED WITH SUBSOIL WILL BE REJECTED. NEGOTIATE AND AGREE UPON STOCKPILE LOCATION(S) WITH OAC TEAM PRIOR TO COMMENCEMENT OF WORK.
11. THE PLANTING SCOPE OF WORK IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
12. ATTEND THE PREINSTALLATION CONFERENCE ASSOCIATED WITH THIS SCOPE OF WORK PRIOR TO PLANTING PREPARATION AND INSTALLATION.
13. MATCH LAYOUT OF PLANTING SHOWN GRAPHICALLY IN PLAN UNLESS OTHERWISE NOTED/DIMENSIONED.
14. UNLESS DIMENSIONED, TREE LOCATIONS ARE TO BE STAKED AND APPROVED BY ARCHITECT PRIOR TO TREE PIT EXCAVATION AND INSTALLATION.
15. THE LANDSCAPE CONTRACTOR MAY BE RESPONSIBLE FOR TOPSOIL PLACEMENT AND/OR FINE GRADING. COMMENCEMENT OF THE PLANTING SCOPE OF WORK, INCLUDING TOPSOIL PLACEMENT, CONSTITUTE ACCEPTANCE OF SITE CONDITIONS/ROUGH GRADE. ENSURE THAT NECESSARY AND SPECIFIED CONDITIONS HAVE BEEN ACHIEVED PRIOR TO LANDSCAPE INSTALLATION.
16. TEMPORARY SEEDING IS INCLUDED IN THE PLANTING SCOPE OF WORK. SEE SHEETS C-401 THRU C-403 FOR STORMWATER POLLUTION PREVENTION PLANS DETAILS, AND TEMPORARY SEEDING.
17. SOFT PAVING INSTALLATIONS (STONE) MAY BE INCLUDED IN THE LC SCOPE AND ARE SHOWN HERE.
18. INSTALL SPECIFIED SEED AND TOPSOIL AT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT OTHERWISE IDENTIFIED ON PLANS.
19. PROVIDE POSITIVE DRAINAGE TO ARE DRAINS AND AWAY FROM BUILDING.
20. SLOPES OF 1:6 AND GREATER IN PLANTING BEDS, AND 1:3 IN TURFGRASS AREAS, REQUIRE EROSION CONTROL BLANKET INSTALLED PER INDUSTRY STANDARDS.
21. PROVIDE 2" ORGANIC MULCH AT ALL PLANTING AREAS.
22. REFER TO L-201 FOR PLANTING DETAILS.
23. TURFGRASS AREAS ARE TO RECEIVE MIN. 4" LIGHTLY COMPACTED ON-SITE OR IMPORTED TOPSOIL. NOTE SPECIFIED LAWN AREA TOPSOIL PLACEMENT REQUIREMENTS, INCLUDING AMENDMENTS.
24. TREES INSTALLED INDIVIDUALLY ARE TO RECEIVE LIGHTLY COMPACTED SOIL MIX BACKFILL TO THE DEPTH OF ROOT BALL PER THE TREE PLANTING DETAIL. SHRUBS ARE TO RECEIVE LIGHTLY COMPACTED MANUFACTURED TOPSOIL TO THE DEPTH OF ROOT BALL PER THE SHRUB PLANTING DETAIL.
25. ALL OTHER PLANTING AREAS TO RECEIVE MIN. 14" LIGHTLY COMPACTED MANUFACTURED TOPSOIL, PER SPECIFICATIONS, UNLESS NOTED OTHERWISE.
26. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

PLANTING PLAN LEGEND

- CC CERVIS CANADENSIS, EASTERN REDBUD, 8" SINGLE STEM
- CV CRATAEGUS VIRIDIS 'WINTER KING', WINTER KING HAWTHORN, 8" SINGLE STEM
- GT GLEDITSIA TRICANTHOS 'SKYLINE' SKYLINE HONEYLOCUST, 3" CAL
- NS NYSSA SILVATICA 'WILDFIRE', WILDFIRE BLACK GUM, 2.5" CAL
- PA PLATANUS x. ACERIFOLIA 'EXCLAMATION', LONDON PLANETREE, 3" CAL
- VD VIBURNUM DENTATUM 'CHRISTOM', BLUE MUFFIN VIBURNUM, 5 CAL - 30" O.C.
- CP CAREX PENNSYLVANICA, OAK SEDGE, PLUGS - 12" O.C.
- PV PANICUM VIRGATUM 'SHENANDOAH', SHENANDOAH SWITCHGRASS, #1 - 18" O.C.
- SH SPOROBOLUS HETEROLEPIS, PRARIE DROPSIED, #1 - 24" O.C.
- TC TURFGRASS LAWN PERMANENT SEEDING; SOO OR OVERSEED (LAWN RESTORATION)
- EC EROSION CONTROL BLANKET WITH TURFGRASS LAWN PERMANENT SEEDING; SOO OR OVERSEED
- 1 HAND DIG
- 2 STEEL EDGE
- 3 AGGREGATE SURFACING, DRIVEWAY STONE (DTL E4)
- 4 AGGREGATE SURFACING, MAINTENANCE STRIP (DTL F4)
- 5 TEMPORARY AGGREGATE SURFACING, DRIVEWAY STONE ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPREAD TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
- 6 SITE FURNISHING, TABLE
- 7 SITE FURNISHING, SEATING, CHAIR
- 8 SITE FURNISHING, SEATING, BENCH

INDIANA STATE POLICE POST AND FORENSICS LABORATORY
19411 US-41
Evansville, IN 47725

Owner
Department of Administration, Public Works
402 West Washington Street, Room W467
Indiana Government Center - South
Indianapolis, Indiana 46204-2746
317-232-3001

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
317-633-4040

Architect / Interior Design
Guidon Design, Inc.
1221 North Pennsylvania Street, Suite 200
Indianapolis, Indiana 46202
317-800-6388

Post and Forensic Laboratory Designer
McClaren, Wilson & Lawrie, Inc.
11798 N. Lakeridge Parkway
Ashland, Virginia 23005
804-228-7473

Structural Engineer
Fink Roberts & Patrie, Inc.
9449 Priority Way West Drive, Suite 200
Indianapolis, Indiana 46240
317-872-8400

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row, Suite 150
Indianapolis, Indiana 46240
317-781-7620

Civil Engineer
Cripe
9339 Priority Way West Drive, Suite 100
Indianapolis, Indiana 46240
317-844-6777

AV / IT Designer
Design 27
1650 Est 49th Street
Indianapolis, Indiana 46205
317-536-8000

SEAL / DATE	DRAWN BY EBI, PE
	CHECKED BY DK, PE
	APPROVED BY SP, PE
10/21/22	PIC NUMBER 190044-2000

REISSUE:	
CONSTRUCTION DOCUMENTS	07/15/22
1 ADDENDUM #01	08/26/22
PERMIT SET	08/30/22
2 ADDENDUM #02	09/13/22
PERMIT SET	09/14/22
3 AGENCY RESPONSES	10/20/22

RATIO
CONSTRUCTION DOCUMENTS

PROJECT NO. 00100-18-023-D1 ISP
SHEET TITLE
PLANTING PLAN

SHEET NUMBER
L-101



C:\2019\190044\20000\Coord\Eng\CD\101_Planting Plan.dwg, October 21, 2022 12:02 AM, ELAINE WY, © Paul I. Cripe, Inc.

