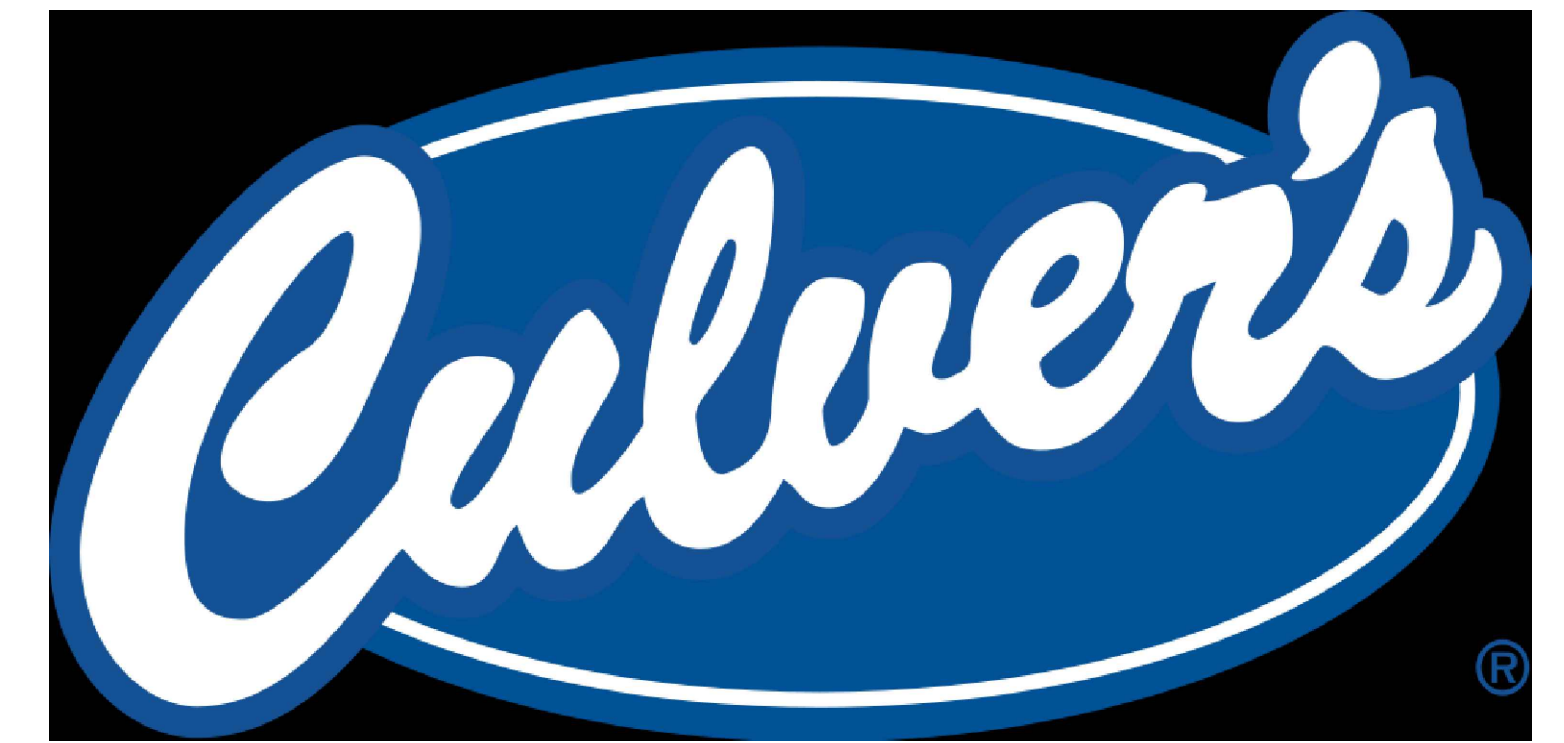


CONSTRUCTION PLANS FOR CULVER'S

NW CORNER OF US 36 AND MT COMFORT ROAD MCCORDSVILLE, IN 46055

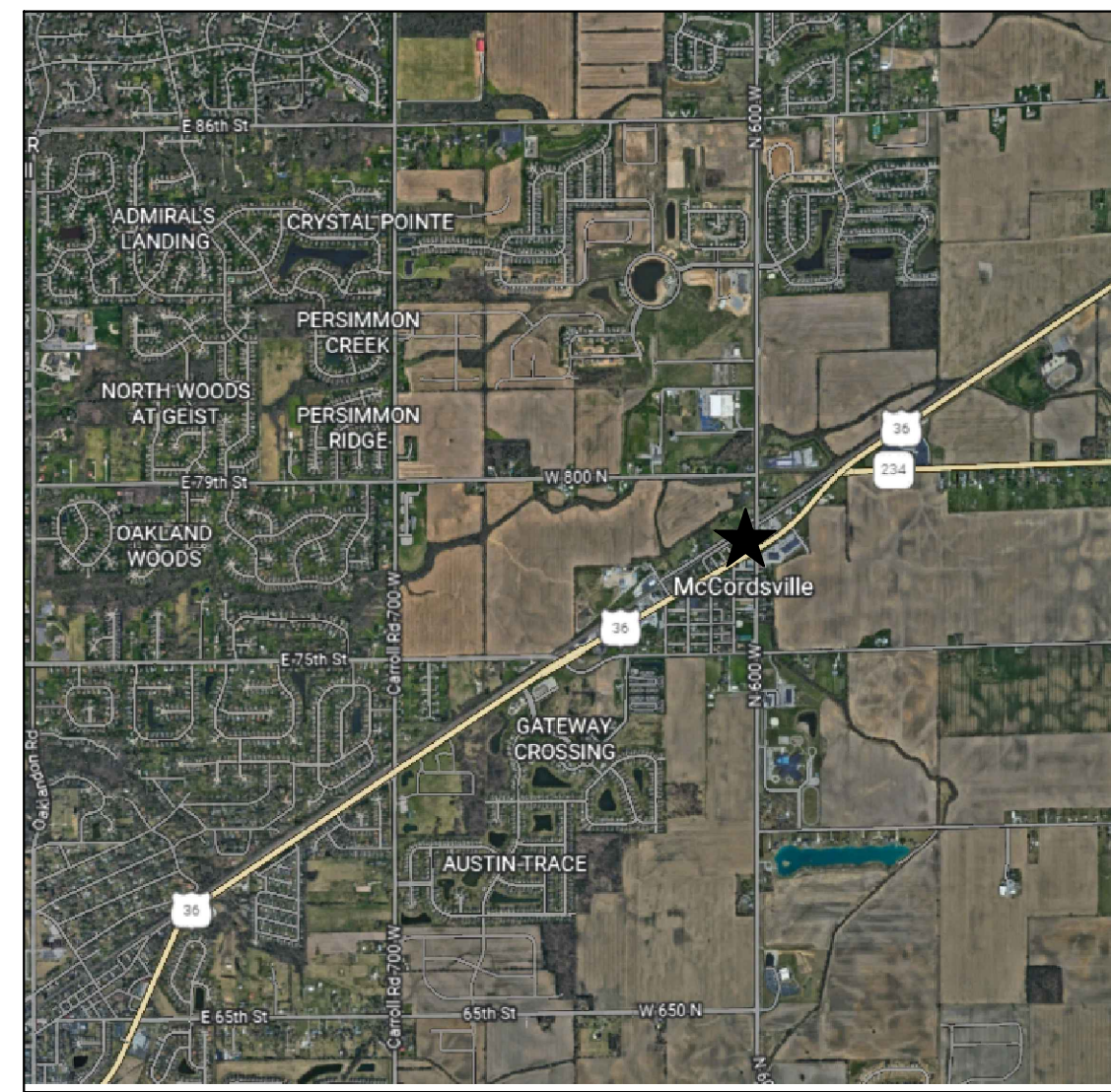


10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

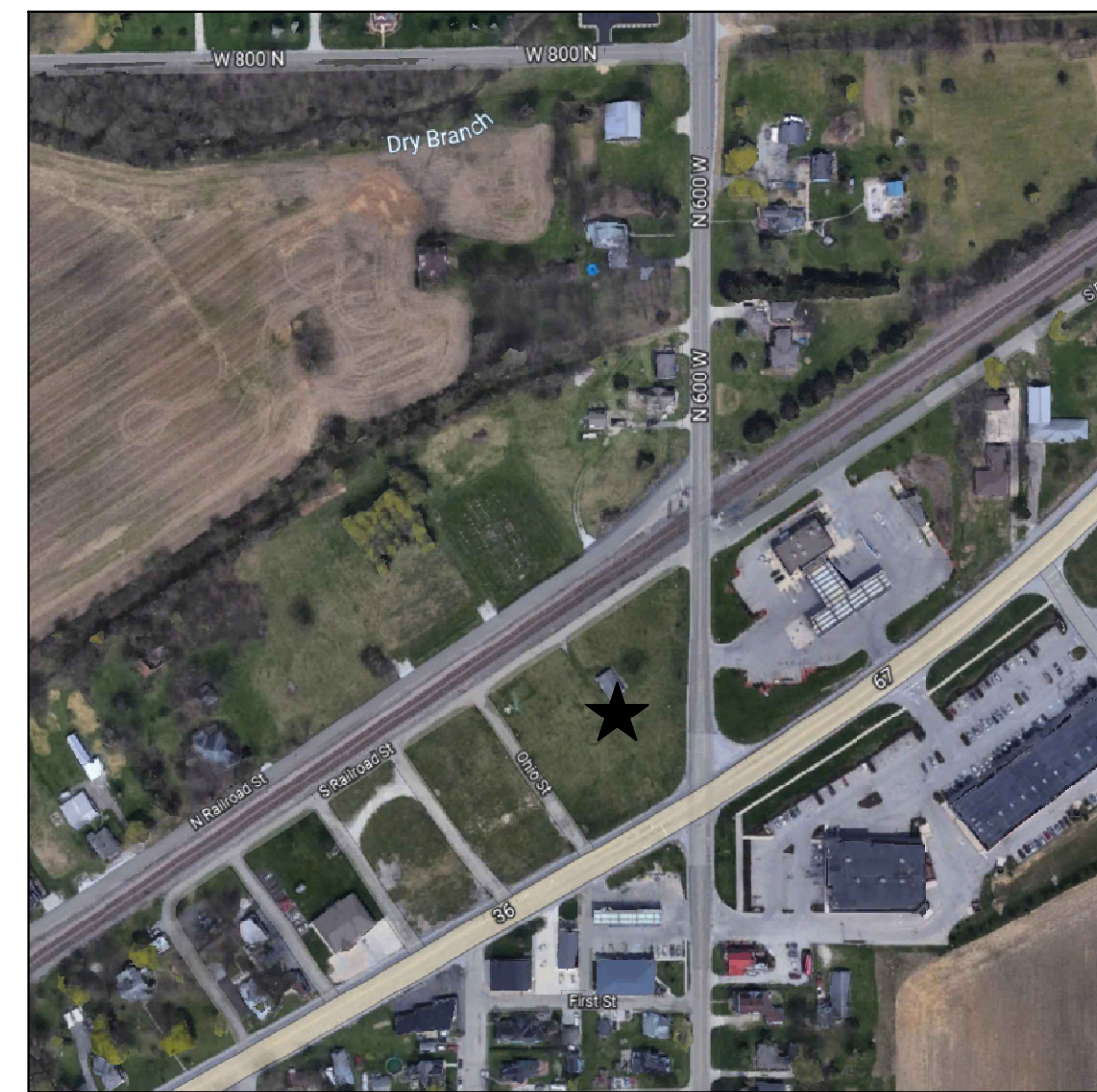
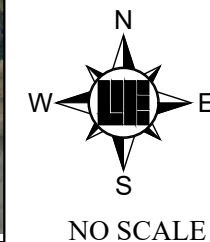
WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture
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PLANS PREPARED FOR
CULVER'S
PO BOX 1478
MARION, IN 46952
TELEPHONE: (765) 206-0050
CONTACT PERSON: JIM SWAN
EMAIL: JIM.SWAN@SSS2020.COM

PLANS PREPARED BY
WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, INDIANA 46280
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
CONTACT PERSON: BILL TERRY
EMAIL: BILLT@WEIHE.NET



★ PROJECT LOCATION
AREA MAP



★ PROJECT LOCATION
LOCATION MAP

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- 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.
- IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #1905702285, DATED NOVEMBER 19, 2014.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- THIS SITE DOES NOT CONTAIN ANY WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE; MCCORDSVILLE, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1990.

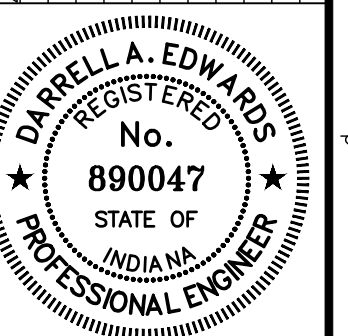
OPERATING AUTHORITIES

MCCORDSVILLE PLANNING AND BUILDING 6280 W 800 N MCCORDSVILLE, IN 46055 RYAN CRUM TEL: 317.335.3604	CITIZENS ENERGY GROUP 1220 WATERWAY BLVD INDIANAPOLIS, IN 46202 317.263.6362
MCCORDSVILLE ENGINEERING DEPARTMENT 6280 W 800 N MCCORDSVILLE, IN 46055 MARK WITTSMAN TEL: 317.335.3604	VECTREN ENERGY 112 W. SOUTH ST GREENFIELD, IN 46140 TEL: 765.648.3246
MCCORDSVILLE VOLUNTEER FIRE DEPARTMENT 7580 N FORM ST MCCORDSVILLE, IN 46055 TEL: 317.335.9236	COMCAST 9750 E. 150th STREET SUITE 1600 NOBLESVILLE, INDIANA 46060 TEL: 317.776.4495
MCCORDSVILLE PUBLIC WOKS DEPARTMENT 6280 W 800 N MCCORDSVILLE, IN 46055 CONTACT: RON CRIDER TEL: 317.335.3493	INDIANAPOLIS POWER AND LIGHT 1230 W. MERRIS ST INDIANAPOLIS, IN 46221 TEL: 317.261.5203
VERNON TOWNSHIP FIRE DEPARTMENT 602 VITALITY DRIVE, STE A FORTVILLE, IN 46040 CONTACT: JOSH EARL - FIRE MARSHAL TEL: 317.649.6012	NINESTAR CONNECT 2243 E. MAIN ST GREENFIELD, IN 46140 TEL: 317.323.2067

LAND DESCRIPTION
SEE SURVEY

Sheet List Table	
SHEET NUMBER	SHEET TITLE
C0.0	TITLE SHEET
C0.5	GENERAL NOTES
C1.0	SURVEY
C1.1	SURVEY
C2.0	SITE DEMO S.E.S.C. - SWPPP1
C2.1	SITE STABILIZATION - SWPPP2
C2.2	SWPPP SPECIFICATIONS
C3.0	SITE PLAN
C4.0	GRADING PLAN
C5.0	UTILITY PLAN
C5.1	STORM PLAN AND PROFILE
C6.0	LANDSCAPE PLAN
C7.0	LIGHTING AND PHOTOMETRIC PLAN
C8.0	SWPPP DETAILS
C8.1	SITE DETAILS
C8.2	UTILITY DETAILS
C8.3	LANDSCAPE DETAILS
C8.4	LIGHT POLE DETAILS
C8.5	TRASH CORRAL DETAILS
C9.1	GENERAL SPECIFICATIONS
C9.2	GENERAL SPECIFICATIONS

PROJECT NO.	DATE	BY	REVISIONS AND ISSUES
W220408	08/22/2023	DEG	
	10/20/2023	DEG	PERMIT SET - ALL CHANGES
			PLAN REVIEW REVISIONS



BID SET
DARRELL A. EDWARDS P.E. #890047

PREPARED FOR:
CULVER'S
MCCORDSVILLE, IN
NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46055
TITLE SHEET
PART OF SE4, SECTION 28, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA



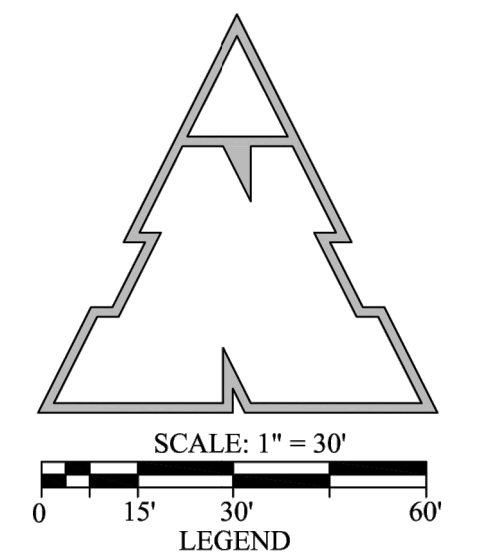
Within Indiana Call
811 or 800-382-5544
24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

SHEET NO.
C0.0
PROJECT NO.
W22.0408

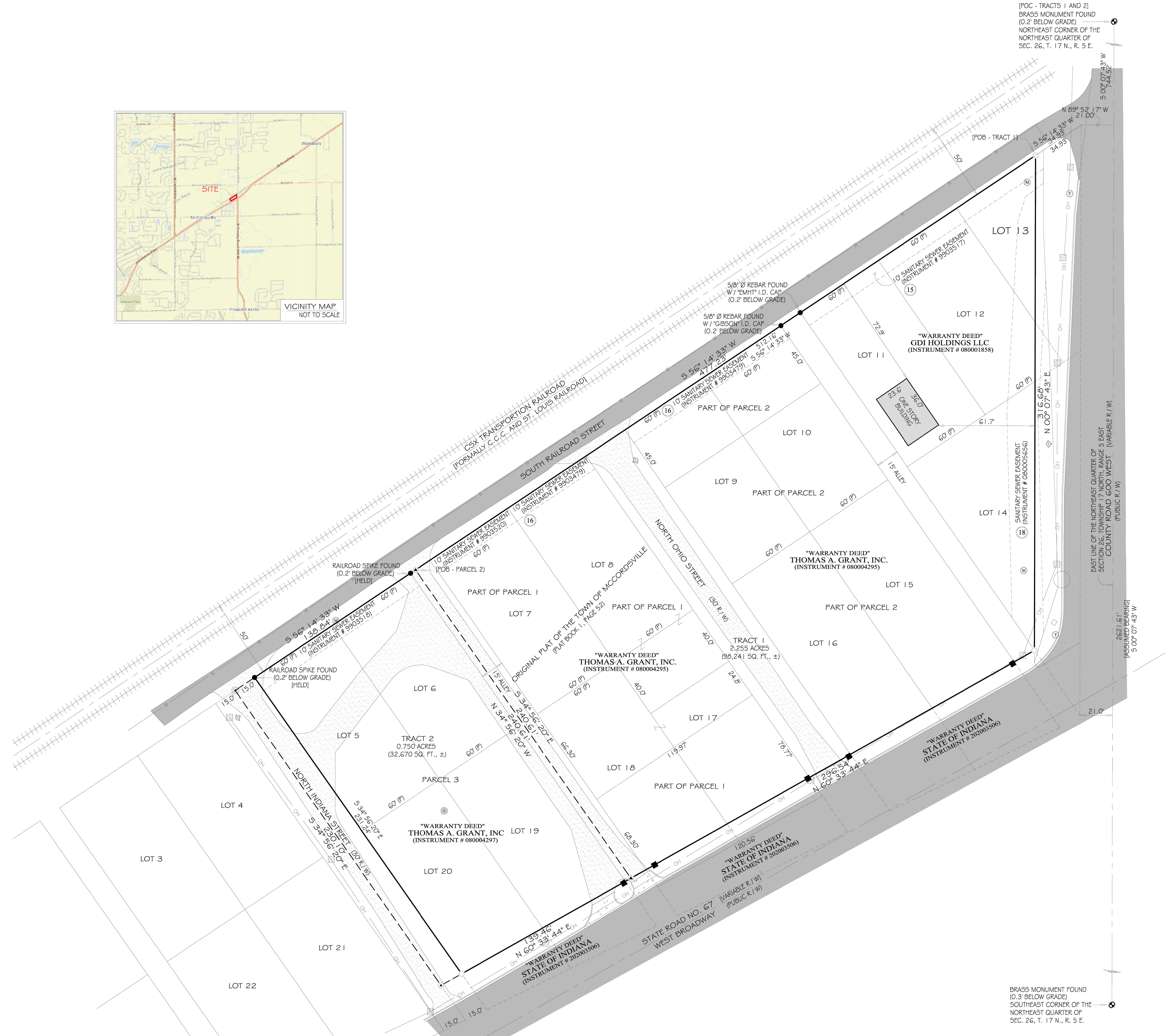
ALTA / NSPS LAND TITLE SURVEY FOR WESTFIELD PROPERTY DEVELOPMENT



[POC - TRACTS 1 AND 2]
BRASS MONUMENT FOUND
(0.2' BELOW GRADE)
NORTHEAST CORNER OF THE
NORTHEAST QUARTER OF
SEC. 26, T. 17 N., R. 5 E.



- LEGEND**
- - Monument Found (see plat)
 - - 5/8" Ø X 24" Rebar set with "Van Wienen # 20500018" I.D. Cap
 - ⊙ - Mag Spike Set
 - ▲ - Railroad Spike Set
 - - Concrete R / W Monument
 - ⊕ - Section corner (see plat)
 - (C) - Calculated Dimension
 - (D) - Deeded Dimension
 - (M) - Measured Dimension
 - ⊙ - Sewer Manhole
 - ⊙ - Traffic Manhole
 - ⊙ - Storm Manhole
 - ⊙ - Storm Inlet
 - ⊙ - Storm Inlet
 - ⊙ - Curb Inlet
 - ⊙ - Fiber Ground Box
 - OH - Overhead Utility Line
 - E - Underground Electric Line
 - GAS - Gas Line
 - W - Water Line
 - SD - Storm Drain Line
 - S - Sewer Line
 - ⊙ - Electric Box
 - ⊙ - A / C Unit
 - ⊙ - Water Valve
 - ⊙ - Water Meter
 - ⊙ - Telephone riser
 - ⊙ - Cable riser
 - ⊙ - Electric Transformer
 - ⊙ - Power Pole
 - ⊙ - Guy Wire
 - ⊙ - Handicapped Parking
 - ⊙ - Sign
 - ⊙ - Fire Hydrant
 - ⊙ - Gas Valve
 - ⊙ - Gas Meter
 - ⊙ - Light Pole
 - ⊙ - Ground Light Pole
 - ▭ - Building
 - ▭ - Asphalt
 - ▭ - Concrete



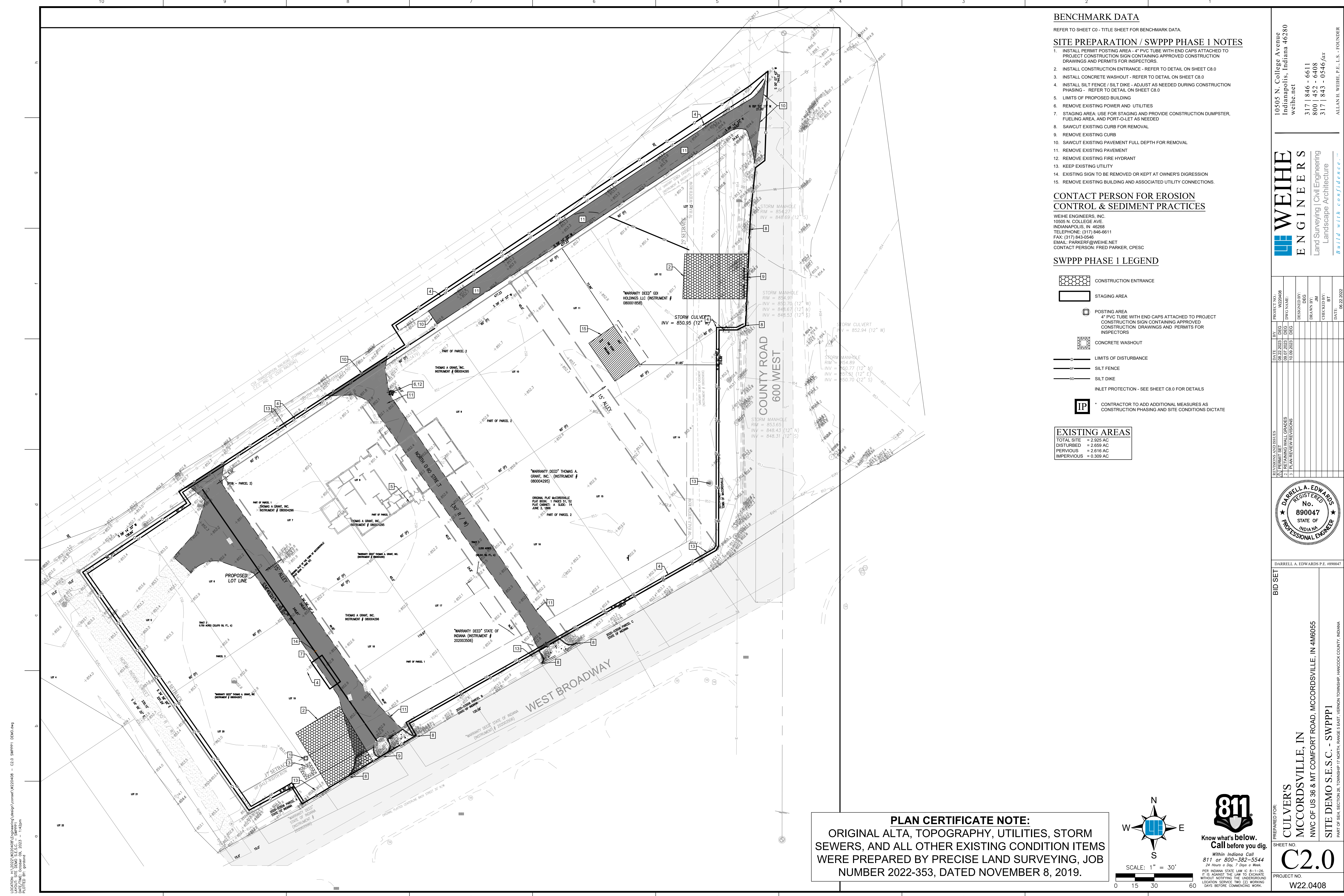
BRASS MONUMENT FOUND
(0.3' BELOW GRADE)
SOUTHEAST CORNER OF THE
NORTHEAST QUARTER OF
SEC. 26, T. 17 N., R. 5 E.

PRECISE LAND SURVEYING
920 MAIN STREET
ANDERSON, INDIANA 46016

LAND DESCRIPTION EXHIBITS
SURVEY OR LOCATION REPORTS
SUBDIVISION & LAND PLANNING
ALTA / NSPS LAND TITLE SURVEYS
RETRACEMENT & ORIGINAL SURVEYS
PHONE: (765) 641-1597
WWW.PRECISELS.COM

MEMBER

ALTA / NSPS LAND TITLE SURVEY FOR WESTFIELD PROPERTY DEVELOPMENT, BEING A PART OF THE ORIGINAL PLAT OF McCORDSVILLE, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA				SCALE: 1" = 30'	JOB NUMBER: 2022-353
DRAWN BY: KBV				DATE: 11/8/2019	CHECK BY: KBV
NO. REVISION DATE AUTH.				C1.0	



BENCHMARK DATA

REFER TO SHEET C0 - TITLE SHEET FOR BENCHMARK DATA.

SITE PREPARATION / SWPPP PHASE 1 NOTES

1. INSTALL PERMIT POSTING AREA - 4" PVC TUBE WITH END CAPS ATTACHED TO PROJECT CONSTRUCTION SIGN CONTAINING APPROVED CONSTRUCTION DRAWINGS AND PERMITS FOR INSPECTORS.
2. INSTALL CONSTRUCTION ENTRANCE - REFER TO DETAIL ON SHEET C8.0
3. INSTALL CONCRETE WASHOUT - REFER TO DETAIL ON SHEET C8.0
4. INSTALL SILT FENCE / SILT DIKE - ADJUST AS NEEDED DURING CONSTRUCTION PHASING - REFER TO DETAIL ON SHEET C8.0
5. LIMITS OF PROPOSED BUILDING
6. REMOVE EXISTING POWER AND UTILITIES
7. STAGING AREA: USE FOR STAGING AND PROVIDE CONSTRUCTION DUMPSTER, FUELING AREA, AND PORT-O-LET AS NEEDED
8. SAWCUT EXISTING CURB FOR REMOVAL
9. REMOVE EXISTING CURB
10. SAWCUT EXISTING PAVEMENT FULL DEPTH FOR REMOVAL
11. REMOVE EXISTING PAVEMENT
12. REMOVE EXISTING FIRE HYDRANT
13. KEEP EXISTING UTILITY
14. EXISTING SIGN TO BE REMOVED OR KEPT AT OWNER'S DISCRETION
15. REMOVE EXISTING BUILDING AND ASSOCIATED UTILITY CONNECTIONS.

CONTACT PERSON FOR EROSION CONTROL & SEDIMENT PRACTICES

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46268
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
EMAIL: PARKER@WEIHE.NET
CONTACT PERSON: FRED PARKER, CPESC

SWPPP PHASE 1 LEGEND

- CONSTRUCTION ENTRANCE
- STAGING AREA
- POSTING AREA
4" PVC TUBE WITH END CAPS ATTACHED TO PROJECT CONSTRUCTION SIGN CONTAINING APPROVED CONSTRUCTION DRAWINGS AND PERMITS FOR INSPECTORS
- CONCRETE WASHOUT
- LIMITS OF DISTURBANCE
- SILT FENCE
- SILT DIKE
- INLET PROTECTION - SEE SHEET C8.0 FOR DETAILS
- CONTRACTOR TO ADD ADDITIONAL MEASURES AS CONSTRUCTION PHASING AND SITE CONDITIONS DICTATE

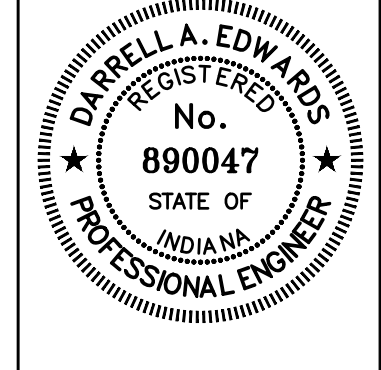
EXISTING AREAS

TOTAL SITE = 2.925 AC
DISTURBED = 2.659 AC
PERVIOUS = 2.616 AC
IMPERVIOUS = 0.309 AC

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Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
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317 | 843 - 0546 fax
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REVISIONS AND ISSUES	DATE	BY	DEG	PROJECT NO.	DWG NAME	DESIGNED BY	DRAWN BY	CHECKED BY	DATE
1 - PERMIT SET - ALL EXISTING	08/22/2023	WZ	DEG	W220408		DEG	DEG	BT	06/22/2022
1 - PLAN REVIEW/REVISIONS	10/20/2023		DEG						



DARRELL A. EDWARDS P.E. #890047

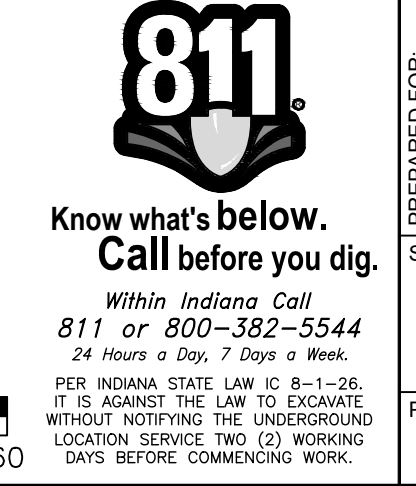
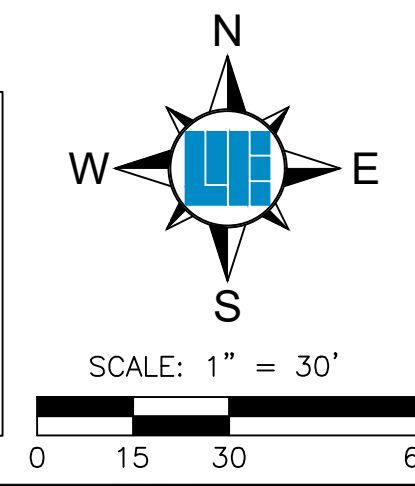
BID SET

PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46065
SITE DEMO S.E.S.C. - SWPPP1
PART OF SE4, SECTION 28, TOWNSHIP 17 NORTH, RANGE 6 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA

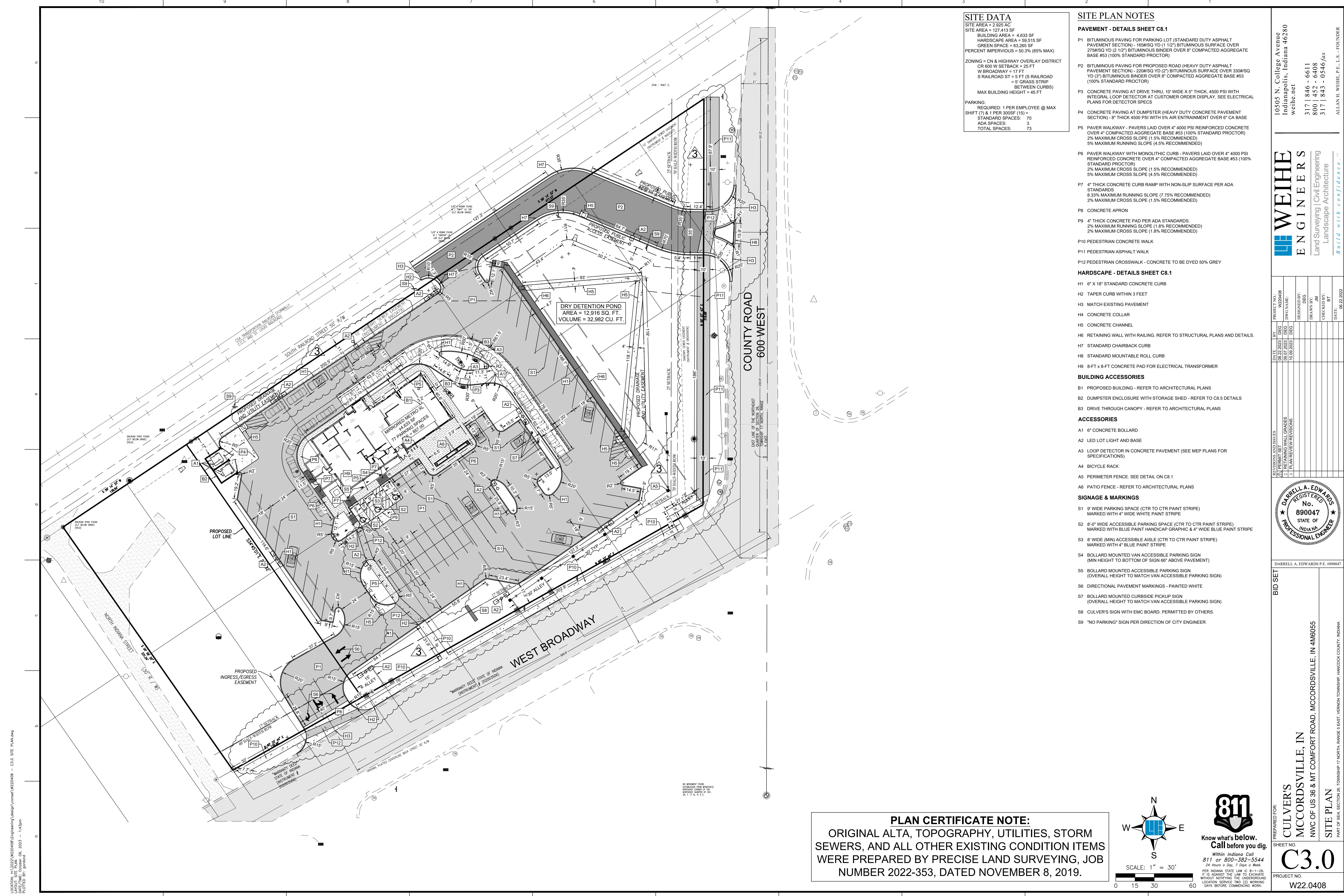
SHEET NO.
C2.0

PROJECT NO.
W22.0408

PLAN CERTIFICATE NOTE:
ORIGINAL ALTA, TOPOGRAPHY, UTILITIES, STORM SEWERS, AND ALL OTHER EXISTING CONDITION ITEMS WERE PREPARED BY PRECISE LAND SURVEYING, JOB NUMBER 2022-353, DATED NOVEMBER 8, 2019.



LOCATION: IN: W22.0408 Engineering Design\user\W220408 - C2.0 SWPPP1 DLMG.rvt
DATE/TIME: October 09, 2023 - 1:42pm
PLOTTER: pl_gordan



SITE DATA
 SITE AREA = 2.925 AC
 SITE AREA = 127,413 SF
 BUILDING AREA = 4,633 SF
 HARDSCAPE AREA = 69,515 SF
 GREEN SPACE = 63,265 SF
 PERCENT IMPERVIOUS = 50.3% (65% MAX)
 ZONING = CN & HIGHWAY OVERLAY DISTRICT
 CR 600 W SETBACK = 25 FT
 W ROADWAY = 17 FT
 S RAILROAD ST = 5 FT (S RAILROAD = 5' GRASS STRIP BETWEEN CURBS)
 MAX BUILDING HEIGHT = 45 FT
 PARKING:
 REQUIRED: 1 PER EMPLOYEE @ MAX SHIFT (7) & 1 PER 300SF (15) =
 STANDARD SPACES: 70
 ADA SPACES: 3
 TOTAL SPACES: 73

- SITE PLAN NOTES**
- PAVEMENT - DETAILS SHEET C8.1**
- P1 BITUMINOUS PAVING FOR PARKING LOT (STANDARD DUTY ASPHALT PAVEMENT SECTION) - 165#/SQ YD (1 1/2") BITUMINOUS SURFACE OVER 275#/SQ YD (2 1/2") BITUMINOUS BINDER OVER 6" COMPACTED AGGREGATE BASE #53 (100% STANDARD PROCTOR)
 - P2 BITUMINOUS PAVING FOR PROPOSED ROAD (HEAVY DUTY ASPHALT PAVEMENT SECTION) - 220#/SQ YD (2") BITUMINOUS SURFACE OVER 330#/SQ YD (3") BITUMINOUS BINDER OVER 8" COMPACTED AGGREGATE BASE #53 (100% STANDARD PROCTOR)
 - P3 CONCRETE PAVING AT DRIVE THRU, 10' WIDE X 5" THICK, 4500 PSI WITH INTEGRAL LOOP DETECTOR AT CUSTOMER ORDER DISPLAY. SEE ELECTRICAL PLANS FOR DETECTOR SPECS
 - P4 CONCRETE PAVING AT DUMPSTER (HEAVY DUTY CONCRETE PAVEMENT SECTION) - 8" THICK 4500 PSI WITH 5% AIR ENTRAINMENT OVER 6" CA BASE
 - P5 PAVER WALKWAY - PAVERS LAID OVER 4" 4000 PSI REINFORCED CONCRETE OVER 4" COMPACTED AGGREGATE BASE #53 (100% STANDARD PROCTOR) 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED) 5% MAXIMUM RUNNING SLOPE (4.5% RECOMMENDED)
 - P6 PAVER WALKWAY WITH MONOLITHIC CURB - PAVERS LAID OVER 4" 4000 PSI REINFORCED CONCRETE OVER 4" COMPACTED AGGREGATE BASE #53 (100% STANDARD PROCTOR) 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED) 5% MAXIMUM CROSS SLOPE (4.5% RECOMMENDED)
 - P7 4" THICK CONCRETE CURB RAMP WITH NON-SLIP SURFACE PER ADA STANDARDS 8.33% MAXIMUM RUNNING SLOPE (7.75% RECOMMENDED) 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
 - P8 CONCRETE APRON
 - P9 4" THICK CONCRETE PAD PER ADA STANDARDS 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED) 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
 - P10 PEDESTRIAN CONCRETE WALK
 - P11 PEDESTRIAN ASPHALT WALK
 - P12 PEDESTRIAN CROSSWALK - CONCRETE TO BE DYED 50% GREY

- HARDSCAPE - DETAILS SHEET C8.1**
- H1 6" X 18" STANDARD CONCRETE CURB
 - H2 TAPER CURB WITHIN 3 FEET
 - H3 MATCH EXISTING PAVEMENT
 - H4 CONCRETE COLLAR
 - H5 CONCRETE CHANNEL
 - H6 RETAINING WALL WITH RAILING. REFER TO STRUCTURAL PLANS AND DETAILS.
 - H7 STANDARD CHAIRBACK CURB
 - H8 STANDARD MOUNTABLE ROLL CURB
 - H9 8-FT X 8-FT CONCRETE PAD FOR ELECTRICAL TRANSFORMER

- BUILDING ACCESSORIES**
- B1 PROPOSED BUILDING - REFER TO ARCHITECTURAL PLANS
 - B2 DUMPSTER ENCLOSURE WITH STORAGE SHED - REFER TO C8.5 DETAILS
 - B3 DRIVE THROUGH CANOPY - REFER TO ARCHITECTURAL PLANS

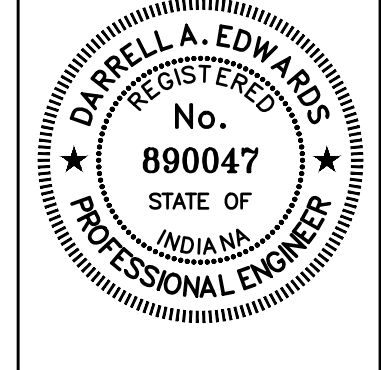
- ACCESSORIES**
- A1 6" CONCRETE BOLLARD
 - A2 LED LOT LIGHT AND BASE
 - A3 LOOP DETECTOR IN CONCRETE PAVEMENT (SEE MEP PLANS FOR SPECIFICATIONS)
 - A4 BICYCLE RACK
 - A5 PERIMETER FENCE. SEE DETAIL ON C8.1
 - A6 PATIO FENCE - REFER TO ARCHITECTURAL PLANS

- SIGNAGE & MARKINGS**
- S1 9' WIDE PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE WHITE PAINT STRIPE
 - S2 8'-0" WIDE ACCESSIBLE PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH BLUE PAINT HANDICAP GRAPHIC & 4" WIDE BLUE PAINT STRIPE
 - S3 8' WIDE (MIN) ACCESSIBLE AISLE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" BLUE PAINT STRIPE
 - S4 BOLLARD MOUNTED VAN ACCESSIBLE PARKING SIGN (MIN HEIGHT TO BOTTOM OF SIGN 66" ABOVE PAVEMENT)
 - S5 BOLLARD MOUNTED ACCESSIBLE PARKING SIGN (OVERALL HEIGHT TO MATCH VAN ACCESSIBLE PARKING SIGN)
 - S6 DIRECTIONAL PAVEMENT MARKINGS - PAINTED WHITE
 - S7 BOLLARD MOUNTED CURBSIDE PICKUP SIGN (OVERALL HEIGHT TO MATCH VAN ACCESSIBLE PARKING SIGN)
 - S8 CULVER'S SIGN WITH EMC BOARD. PERMITTED BY OTHERS.
 - S9 "NO PARKING" SIGN PER DIRECTION OF CITY ENGINEER

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weihe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax

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 Land Surveying | Civil Engineering
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PROJECT NO.:	W220408
DWG NAME:	
DESIGNED BY:	DEG
DRAWN BY:	JM
CHECKED BY:	BT
DATE:	06.22.2022



DARRELL A. EDWARDS P.E. #890047

BID SET

PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
 NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46065

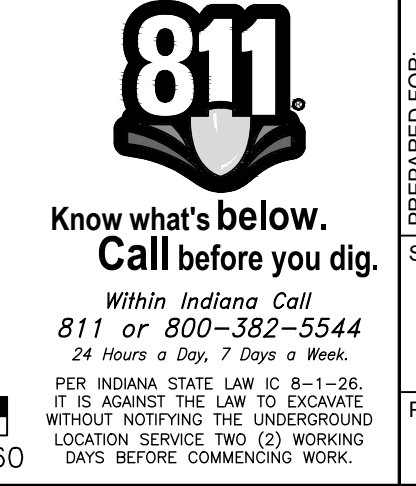
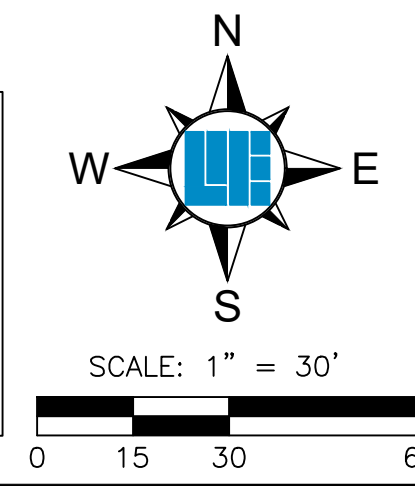
SITE PLAN

PART OF SE4, SECTION 28, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA

SHEET NO. **C3.0**

PROJECT NO. **W22.0408**

PLAN CERTIFICATE NOTE:
 ORIGINAL ALTA, TOPOGRAPHY, UTILITIES, STORM SEWERS, AND ALL OTHER EXISTING CONDITION ITEMS WERE PREPARED BY PRECISE LAND SURVEYING, JOB NUMBER 2022-353, DATED NOVEMBER 8, 2019.



LOCATION: IN W22.0408 (Engineering/Design/Construction/W220408) - C3.0 SITE PLAN.dwg
 DATE/TIME: October 04, 2023 - 14:30m
 PLOTTED BY: jordan

CUT / FILL VOLUME ESTIMATE:
6,890 CUBIC YARDS OF FILL

CALCULATION IS BASED ON A SURFACE TO SURFACE ANALYSIS, NOT ACCOUNTING FOR UTILITY OR PIPE SPOILS.

IMPERVIOUS AREAS

EXISTING = 0.18 AC (7.7%)
 PROPOSED = 1.81 AC (88.1%)

BENCHMARK DATA
 REFER TO SHEET C0 - TITLE SHEET FOR BENCHMARK DATA.

FLOOD PLAIN NOTE
 THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA ZONE ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #18057C0139C DATED NOVEMBER 19, 2014.

STORM SEWER DATA
 REFER TO SHEET C5.0 - UTILITY PLAN FOR DETAILED STORM STRUCTURE AND PIPE INFORMATION.
 ALL PROPOSED STORM SEWERS ARE A PRIVATE STORM SEWER SYSTEM.

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weihe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax
 ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
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REVISIONS AND ISSUES	DATE	BY	DESG
1 - PLAN REVIEW REVISIONS	10/20/2023	WZ220408	DES
2 - PLAN REVIEW REVISIONS	10/20/2023	WZ220408	DES

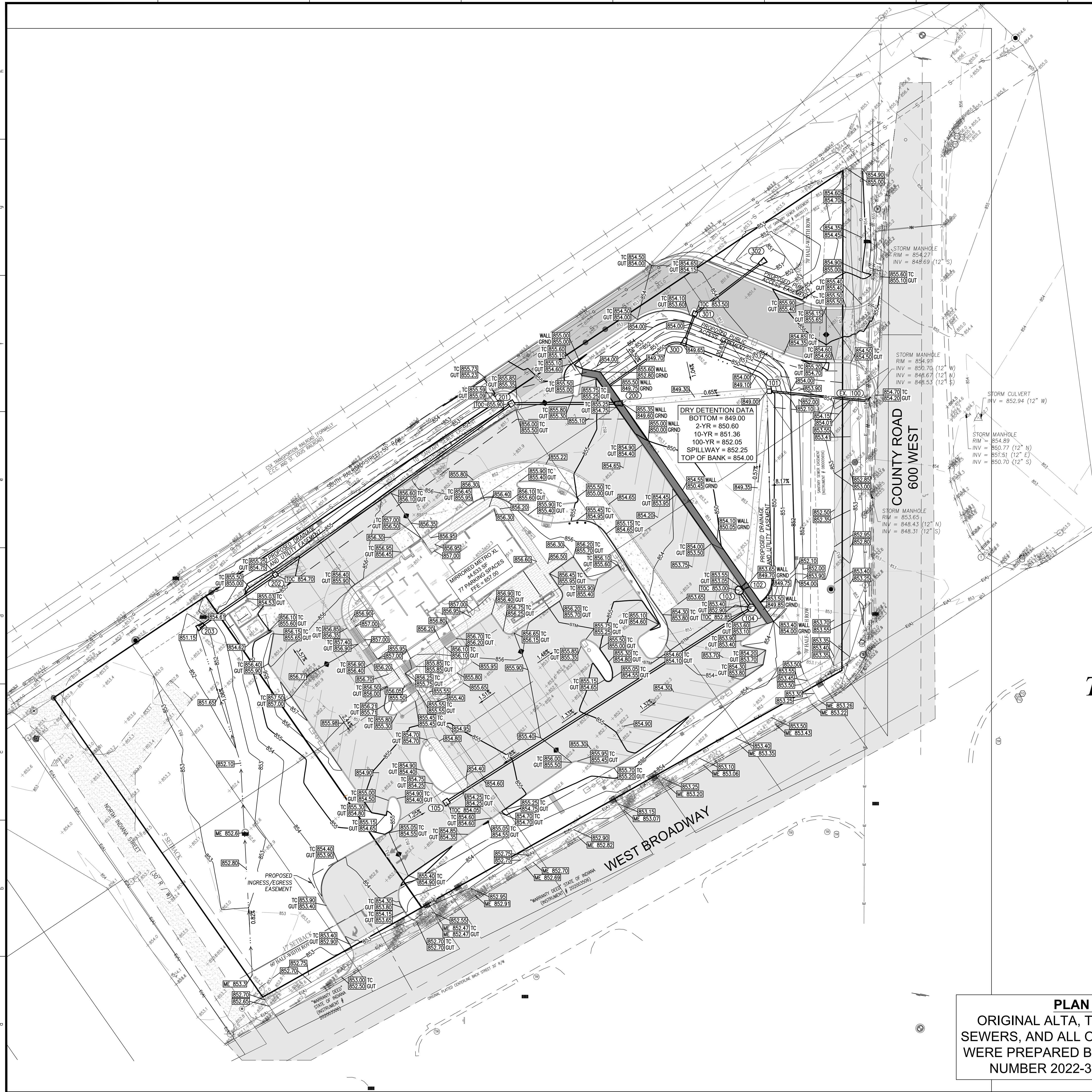


DARRELL A. EDWARDS P.E. #890047

BID SET

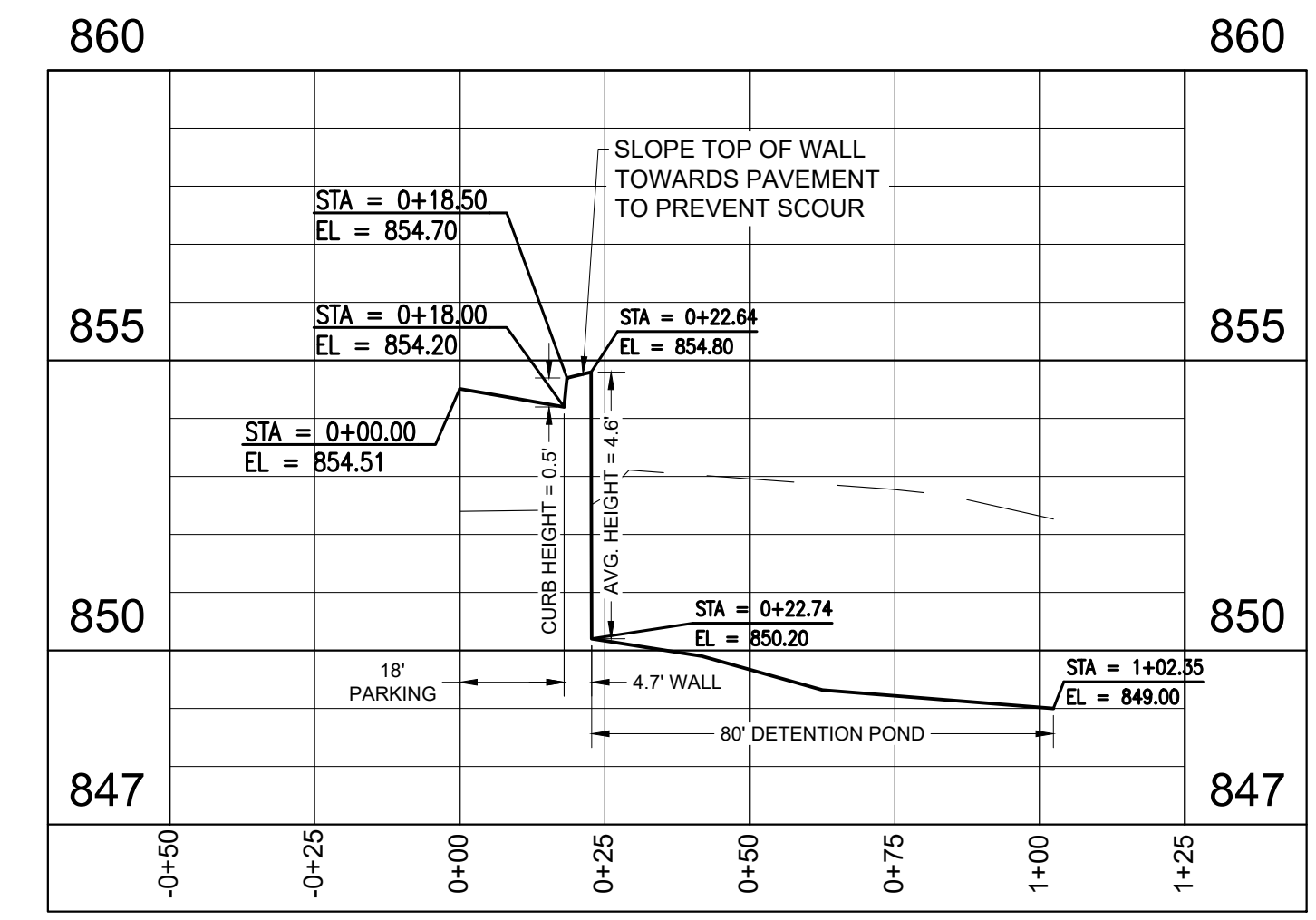
PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
 NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46055

PROJECT NO.
W22.0408

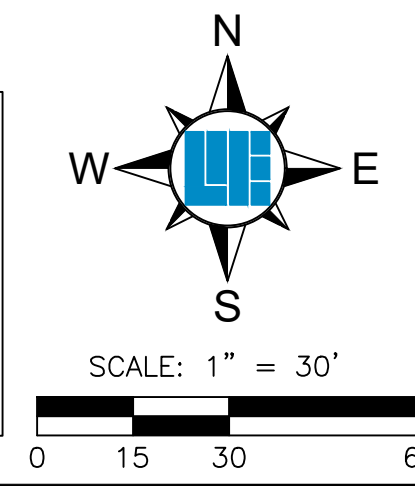


DRY DETENTION DATA
 BOTTOM = 849.00
 2-YR = 850.60
 10-YR = 851.36
 100-YR = 852.05
 SPILLWAY = 852.25
 TOP OF BANK = 854.00

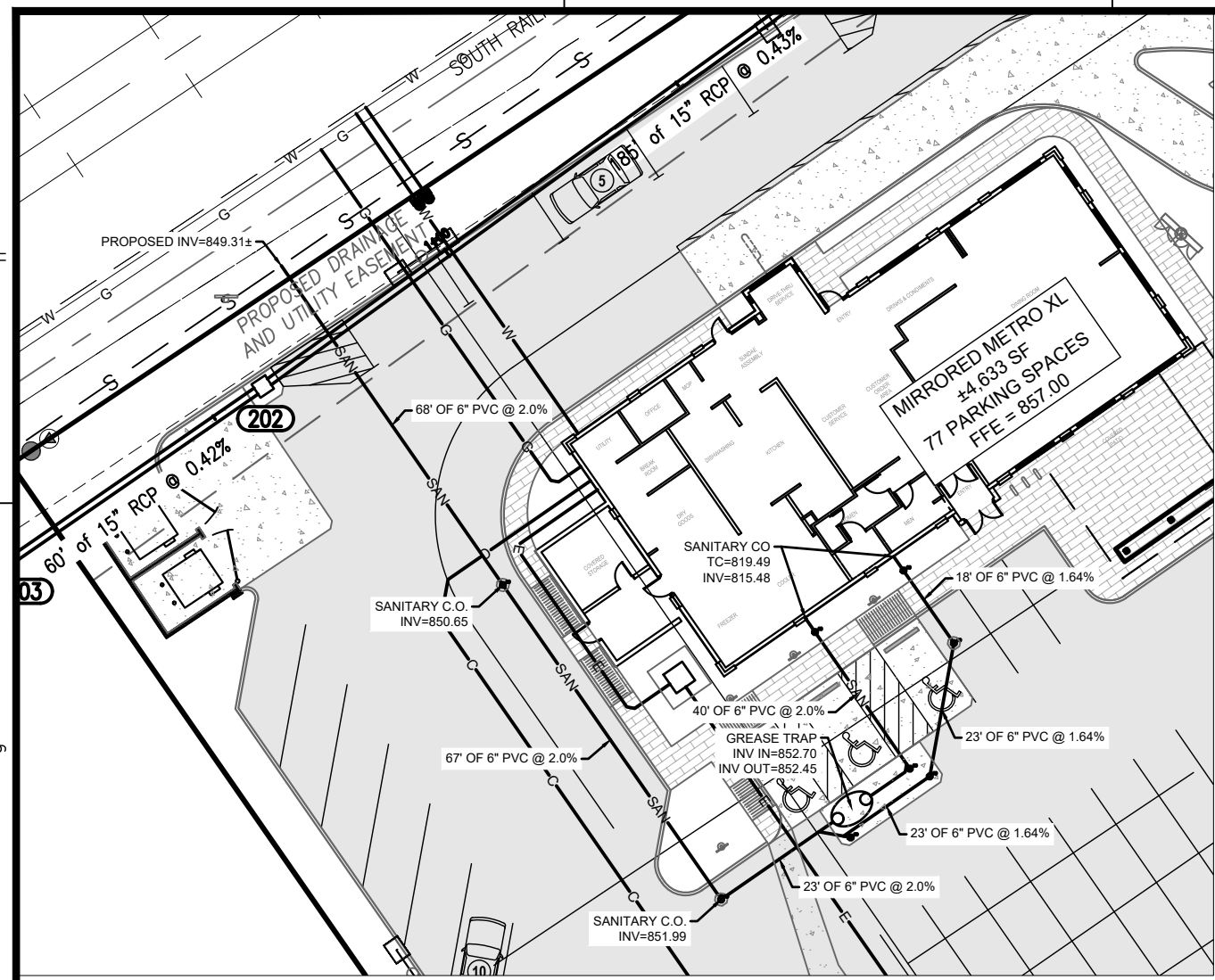
Typical Retaining Wall Cross Section



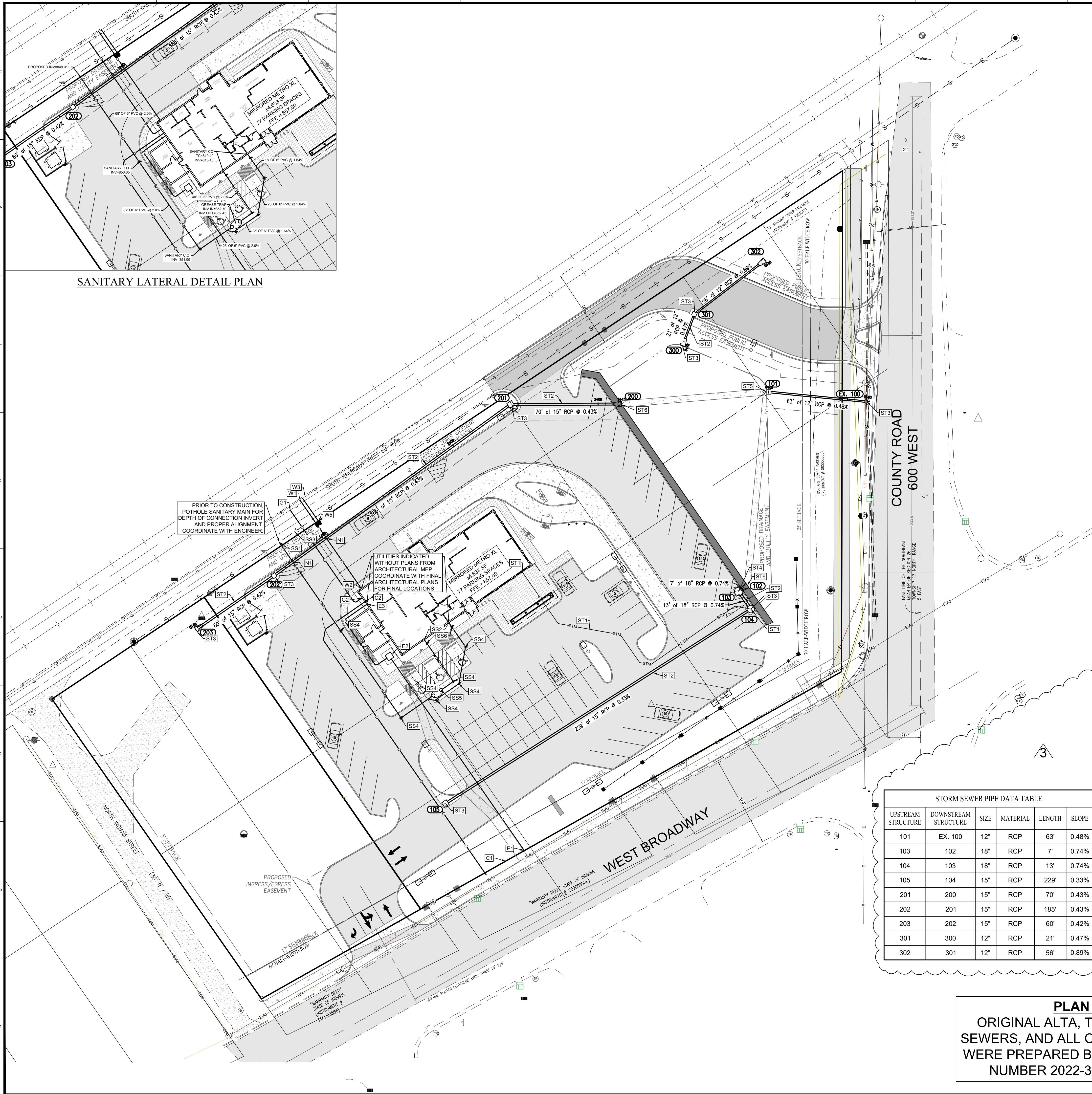
PLAN CERTIFICATE NOTE:
 ORIGINAL ALTA, TOPOGRAPHY, UTILITIES, STORM SEWERS, AND ALL OTHER EXISTING CONDITION ITEMS WERE PREPARED BY PRECISE LAND SURVEYING, JOB NUMBER 2022-353, DATED NOVEMBER 8, 2019.



LOCATION: W:\2022\W220408\Engineering\Design\Layout\W220408 - C4.0 GRADING PLAN.dwg
 DATE/TIME: October 04, 2023 - 14:30m
 PLOTTED BY: gordon



SANITARY LATERAL DETAIL PLAN



NOTE:
FULL DEPTH GRANULAR BACKFILL REQUIRED FOR SANITARY, WATER, STORM LINES UNDER PAVEMENT.

TRACER WIRE TO BE LAID ALONG SANITARY, WATER, STORM LINES.

NOTE:
ALL EXISTING UTILITIES TO BE CAPPED AT PROPERTY LINE.

UTILITY PLAN NOTES
(REFER TO SHEET C5.2 FOR DETAILS)

SANITARY SEWER NOTES

- SS1 CONNECT PROPOSED 6" (SDR-35 PVC) SANITARY SEWER LATERAL TO EXISTING SANITARY SEWER 8" MAIN. COORDINATE CONNECTION WITH MEP. PROVIDE CLEANOUTS AS REQUIRED/SHOWN. VERIFY INVERTS ON EXISTING LINE AND COORDINATE CONDITIONS WITH MEP. ADJUST AS REQUIRED.
- SS2 COORDINATE CONNECTION OF 6" SDR-35 PVC SANITARY SEWER LATERAL WITH PLUMBING DRAWINGS.
- SS3 EXISTING 8" SANITARY SEWER
- SS4 PROPOSED SANITARY LATERAL CLEANOUT TYPE 2 (OUTSIDE 3' OF BUILDING). REFER TO DETAIL ON SHEET C7.3
- SS5 1,500 GALLON GREASE TRAP - REFER TO SPECIFICATIONS ON SHEET 9.2.
- SS6 PROPOSED SANITARY LATERAL CLEANOUT TYPE 1 (WITHIN 3' OF BUILDING). REFER TO DETAIL ON SHEET C7.3

WATER SERVICE NOTES:

- W1 COORDINATE AND CONNECT 6" PVC C900 WATER SERVICE LINE TO EXISTING 12" DI WATER MAIN. TAPPING SLEEVE AND VALVE REQUIRED.
- W2 COORDINATE CONNECTION OF 2" PE DOMESTIC SERVICE LINE AND 6" FIRE SERVICE LINE WITH PLUMBING DRAWINGS. COORDINATE CONNECTION OF DOMESTIC 1.5" METER AND BACKFLOW PREVENTOR LOCATION WITH MEP PLANS - TO BE INSIDE BUILDING.
- W3 EXISTING 12" DI WATER MAIN
- W4 PROPOSED FIRE DEPARTMENT CONNECTION 5" STORZ
- W5 PROPOSED 1" LINE, IRRIGATION VALVE, AND 1" METER.
- W6 POST INDICATOR VALVE ON FIRELINE
- W7 6" X 2" TEE

ELECTRIC NOTES:

- E1 CONNECT BUILDING ELECTRICAL LINE TO EXISTING POWER SUPPLY. COORDINATE CONNECTION WITH POWER COMPANY AND ELECTRICAL DRAWINGS. ADJUST AS REQUIRED.
- E2 PROPOSED TRANSFORMER PAD MOUNTED. COORD W LOCAL ELECTRIC CO.
- E3 BUILDING ELECTRICAL LINE POINT OF CONNECTION. COORDINATE CONNECTION WITH MEP AND ELECTRICAL DRAWINGS. ADJUST AS REQUIRED.

COMMUNICATION NOTES:

- C1 COORDINATE CONNECTION OF COMMUNICATION SERVICE LINES TO EXISTING UTILITY PEDESTAL.
- C2 COORDINATE AND CONNECT BUILDING COMMUNICATION SERVICE LINE(S) TO CONNECTION POINT AS SHOWN. ADJUST AS REQUIRED. 4" PVC CONDUIT TO BE INSTALLED WITH PULL STRINGS.

GAS SERVICE NOTES:

- G1 CONNECT PROPOSED GAS SERVICE TO EXISTING GAS LINE. REFER TO PLUMBING DRAWINGS AND COORDINATE WITH VECTREN. REMOVE EXISTING LINE PAST POINT OF CONNECTION.
- G2 PROPOSED GAS METER LOCATION. REFER TO PLUMBING DRAWINGS AND COORDINATE WITH VECTREN.

STORM SEWER NOTES:

- ST1 6" DUAL-WALLED HDPE (OR EQUIVALENT) ROOF DRAIN. COORDINATE WITH ARCHITECTURAL PLANS FOR BUILDING CONNECTION. CONNECT TO STRUCTURE AS SHOWN. ADJUST AS NEEDED.
- ST2 HIGH-DENSITY POLYETHYLENE (HDPE) PIPE. REFER TO PIPE DATA TABLE FOR LENGTH, SIZE, AND SLOPE.
- ST3 STORM STRUCTURE. REFER TO STRUCTURE DATA TABLE FOR TYPE, ELEVATIONS, AND CASTING.
- ST4 WATER QUALITY HYDRODYNAMIC SEPARATOR (CONTECH CASCADE SEPARATOR CS-5). REFER TO DETAIL ON SHEET C8.3
- ST5 OUTLET CONTROL STRUCTURE - REFER TO DETAIL ON SHEET C8.3
- ST6 HEAD WALL AS PIPE OUTLET. INTEGRATED INTO RETAINING WALL REFER TO STRUCTURAL PLANS FOR DESIGN AND DETAILS.

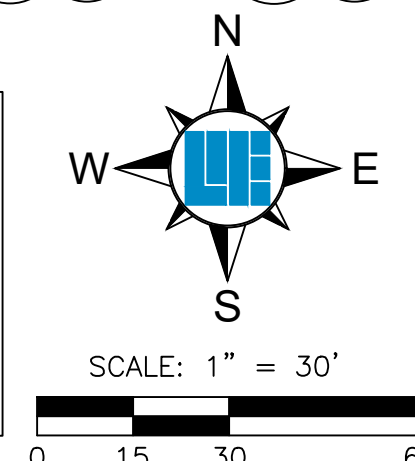
GENERAL NOTES:

- N1 MAINTAIN 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN STORM / SANITARY SEWER SYSTEMS AND DOMESTIC / FIRE LINE SERVICE - OTHERWISE, CONCRETE COLLAR IS REQUIRED. SANITARY SEWER LINE IN CLOSE PROXIMITY OF WATER LINE SHALL BE C900 WATER MINE GRADE PVC.

STORM SEWER STRUCTURE DATA TABLE				
STRUCTURE NUMBER	TOP OF CASTING	STRUCTURE TYPE	CASTING TYPE	INVERT
EX. 100	853.96	EXISTING MANHOLE	EXISTING	INV IN (W)= 848.70 (12" RCP)
101	852.49	OUTLET CONTROL STRUCTURE, BOX	SEE DETAIL	INV OUT (E)= 849.00 (12" RCP)
102	850.95	HEAD WALL (RETAINING WALL)	N/A	INV IN (SW)= 849.70 (18" RCP)
103	853.00	WATER QUALITY STRUCTURE, ROUND	PER MANUFACTURER	INV IN (SE)= 849.75 (18" RCP) INV OUT (NE)= 849.75 (18" RCP)
104	852.85	48" DIAMETER CONCRETE, INLET	R-3540	INV IN (SW)= 849.95 (15" RCP) INV OUT (NW)= 849.85 (18" RCP)
105	854.05	30" X 30" CONCRETE BOX, INLET	R-3405	INV OUT (NE)= 850.70 (15" RCP)
200	850.79	HEAD WALL (RETAINING WALL)	N/A	INV IN (W)= 849.60 (15" RCP)
201	855.90	30" X 30" CONCRETE BOX, INLET	R-3405	INV IN (SW)= 850.00 (15" RCP) INV OUT (E)= 849.90 (15" RCP)
202	854.70	30" X 30" CONCRETE BOX, INLET	R-3405	INV IN (SW)= 850.90 (15" RCP) INV OUT (NE)= 850.80 (15" RCP)
203	852.61	FLARED END SECTION	N/A	INV OUT (NE)= 851.15 (15" RCP)
300	850.49	FLARED END SECTION	N/A	INV IN (N)= 849.30 (12" RCP)
301	853.50	22" X 22" CONCRETE BOX, INLET	R-3405	INV IN (NE)= 849.50 (12" RCP) INV OUT (S)= 849.40 (12" RCP)
302	851.25	FLARED END SECTION	N/A	INV OUT (SW)= 850.00 (12" RCP)

STORM SEWER PIPE DATA TABLE					
UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE	MATERIAL	LENGTH	SLOPE
101	EX. 100	12"	RCP	63'	0.48%
103	102	18"	RCP	7'	0.74%
104	103	18"	RCP	13'	0.74%
105	104	15"	RCP	229'	0.33%
201	200	15"	RCP	70'	0.43%
202	201	15"	RCP	185'	0.43%
203	202	15"	RCP	60'	0.42%
301	300	12"	RCP	21'	0.47%
302	301	12"	RCP	56'	0.89%

PLAN CERTIFICATE NOTE:
ORIGINAL ALTA, TOPOGRAPHY, UTILITIES, STORM SEWERS, AND ALL OTHER EXISTING CONDITION ITEMS WERE PREPARED BY PRECISE LAND SURVEYING, JOB NUMBER 2022-353, DATED NOVEMBER 8, 2019.



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10505 N. College Avenue
Indianapolis, Indiana 46280
w@weihe.net
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800 | 452 - 6408
317 | 843 - 0546 fax
ALLAN R. WEIHE, P.E., L.S. - FOUNDER

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PROJECT NO.:	W220408
DWG. NAME:	C5.0
DESIGNED BY:	DEG
DRAWN BY:	JM
CHECKED BY:	BT
DATE:	06.22.2022

DATE: 08.22.2023
BY: DEG
DESIGNED BY: DEG
DRAWN BY: JM
CHECKED BY: BT
DATE: 06.22.2022

REVISIONS AND ISSUES:
1 - PLAN REVIEW REVISIONS

DARRELL A. EDWARDS
REGISTERED PROFESSIONAL ENGINEER
No. 890047
STATE OF INDIANA

DARRELL A. EDWARDS P.E. #890047

BID SET

PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46055
UTILITY PLAN

SHEET NO. **C5.0**

PROJECT NO. **W22.0408**

LOCATION: IN 2022, W220408 (Engineering/Design/Construction/W220408 - C5.0 UTILITY PLAN.dwg)
DATE/TIME: October 09, 2023 - 14:30m
PLOTED BY: gordon

McCordsville Landscape Ordinance Requirements

KEY	REQUIREMENT:	VARIANCES	REQUIRED:	PROVIDED:
BP	6.10 B. 2. PLANTING ADJACENT TO FREE-STANDING, NON-RESIDENTIAL BUILDING - 5' WIDE PLANTING STRIP ALONG ALL BUILDING FACADES. (IF REAR IS LESS THAN 40' FROM REAR PROPERTY LINE IT CAN BE WAIVED) "AN 'EXTENSIVE' LANDSCAPE PACKAGE, PER THE BZA, IS REQUIRED BETWEEN THE EAST FAÇADE OF THE BUILDING AND THE DRIVE-THRU LANE. THIS SHOULD INCLUDE THE DRIVE-THRU ISLAND."	VARIANCE #3: FOUNDATION SIDEWALKS & PLANTING BEDS ADJACENT TO THE BUILDING AND FOUNDATION SIDEWALKS SHALL BE AS SHOWN	5' WIDE X BUILDING FACADE (337')=1,685 SF	1,211 SF & PATIO
PP	6.10 B. 4. INTERIOR PARKING LOT PLANTINGS - 3' HIGH PLANTING / MASONRY WALL SCREEN BETWEEN PARKING LOT AND STREET YARDS. NO LARGER THAN A 4' GAP MAY EXIST. - PLANTING ISLAND SHALL BE DISTRIBUTED THROUGH THE PARKING LOT (CAN NOT COUNT PERIMETER AND BUILDING LANDSCAPING). 5% OF PARKING LOT SHALL BE LANDSCAPED. 1 SHADE TREE PER 2,400 SF & 1 SHRUB PER 500 SF. ALL PARKING SPACES MUST BE WITHIN 60' OF A TREE. - 4' WIDE STRIP WITH 1 TREE PER 50' ALONG THE SIDE OF ANY PARKING AREA THAT ABUTS SIDE OR REAR PROPERTY WITH RESIDENTIAL USES OR DISTRICTS.	VARIANCE #6: NORTH PERIMETER SHALL HAVE SHRUBS AT 3' O.C. BUT NO TREE PLANTINGS SHALL BE REQUIRED	44,050 SF OF PARKING AREA 5% PARKING ISLAND = 2,202.5 SF 2202.5/2400= 1 TREE 2202.5/500= 4.4 SHRUBS SHRUBS BETWEEN PARKING LOT AND ROW PARKING SPACE WITHIN 60' OF TREE	ISLAND = 2,804 SF 9 TREES SHRUB HEDGE 7 ADDITIONAL TREES PER COMMENTS
L	6.10 OTHER PROVISIONS - IF SIDE OR REAR YARDS ABUT A RESIDENTIAL LOT OR ZONE A 4' LANDSCAPE STRIP MUST BE INSTALLED. 1 TREE PER 50'. - SCREENING OF LOADING / STORAGE AREAS SHALL BE 6'-8" IN HEIGHT. 1/2 OF WALL FACING ROW SHALL BE SCREENED WITH EVERGREEN PLANTS NO LESS THAN 4' O.C.		RESIDENTIAL ACROSS RAILROAD, TREES NOT ABLE TO BE INSTALLED	SHRUB HEDGE
P	6.10 D. SUPPLEMENTAL TREES PLANTING PROVISIONS A MINIMUM OF 5 TREES PER EVERY ACRE. IF THIS IS NOT PROVIDED THROUGH OTHER REQUIREMENTS INSTALL UNTIL THIS REQUIREMENT IS MET. FOR DESIGN FLEXIBILITY, 1 SHADE TREE MAY BE SUBSTITUTED FOR 2 ORNAMENTAL TREES OR 2 EVERGREEN TREES FOR UP TO 50% OF THE REQUIRED TREES.		2.9 ACRE X 5 TREES = 14.5 TREES	15 TREES
SP	7.08 H. GROUND MONUMENT SIGN STRUCTURES LANDSCAPING AROUND SIGN SHALL BE AT LEAST 2 SF PER 1 SF OF SIGN AREA		MAX SIGN IS 36SF = LANDSCAPE AREA 72SF	
MP	5.04.B.11. LANDSCAPING STANDARDS FOR MT COMFORT 50' PERIMETER LANDSCAPING AREA TREES PLANTED EVERY 50' O.C. SHADE TREES SHALL BE 2.5" CALIPER SHRUBS SHALL BE 24" HIGH AND 18" WIDE AT INSTALL FRONT YARD SHALL BE SOD AT INSTALL. LAWN 20' FROM BUILDING SHALL BE SOD AT INSTALL.		316' ALONG MT COMFORT 6.3 TREES	6 TREES

VARIANCES ON SITE LAYOUT:
 VARIANCE #1:
 FRONT YARD ALONG CR 600W SHALL BE 25'. A 3' DECORATIVE WROUGHT-IRON WITH BRICK COLUMNS EVERY 40' O.C. SHALL BE PROVIDED. FRONT YARD SETBACK ALONG W BROADWAY SHALL BE 17'.
 FRONT YARD SETBACK ALONG S RAILROAD ST SHALL NOT APPLY BUT A GRASS STRIP OF NO LESS THAN 5' SHALL EXIST BETWEEN ROAD PAVEMENT AND CURB'S PAVEMENT.
 VARIANCE #2:
 SIDE YARD SETBACK ALONG WEST PARCEL LINE SHALL BE 5'.
 VARIANCE #4:
 NO LESS THAN 73 MARKED PARKING SPACES
 "NO PARKING" SIGNAGE ALONG RAILROAD ST
 VARIANCE #5:
 TRASH RECEPTACLE LOCATION AS SHOWN

VARIANCES ON BUILDING & SIGNS:
 VARIANCE #7:
 EAST FAÇADE OF BUILDING SHALL HAVE AN AWNING / CANOPY OVER SERVICE DOOR AND 2 WINDOWS.
 THE CORNICE SHALL BE A NEUTRAL COLOR.
 VARIANCE #8:
 MAXIMUM OF 3 WALL SIGNS PER STANDARD REQUIREMENTS.
 1 ADDITIONAL NON-ILLUMINATED WALL SIGN UP TO 4 SF
 VARIANCE #9:
 GROUND SIGN MASONRY BASE SHALL BE AT LEAST 16" TALL.
 SIGN AREA SHALL NOT EXCEED 39 SF.
 VARIANCE #10:
 EMB SHALL BE NO MORE THAN 9.5 SF

LANDSCAPE LEGEND

- MULCHED LANDSCAPE BEDS
- SEED / SOD - ALL SOD SHALL BE CERTIFIED GRADE
- CULTIVATED GRASS SOD: OF "ADVENTURE BLEND" TURF
- TYPE TALL FESCUE (BY GENERAL CONTRACTOR)

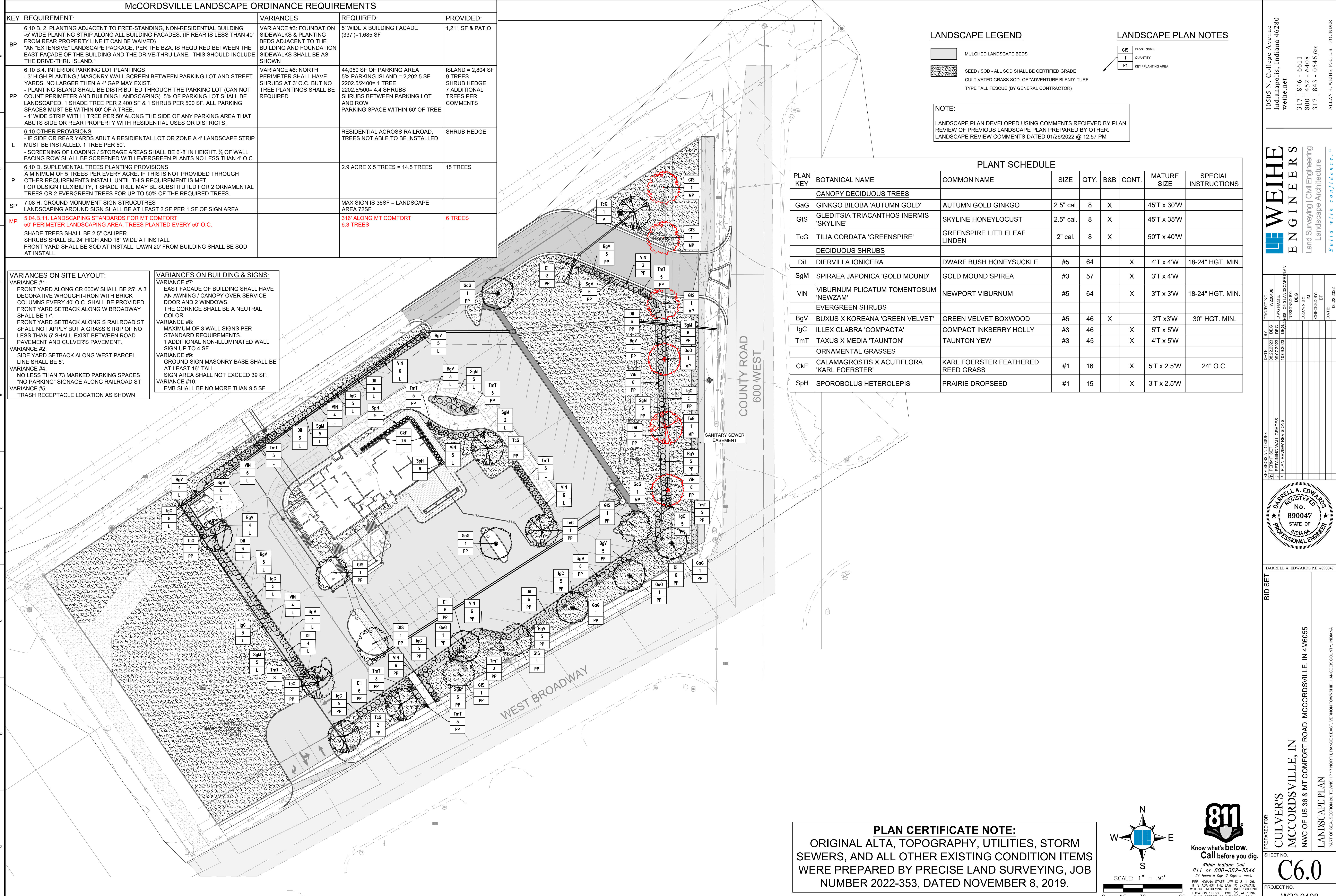
LANDSCAPE PLAN NOTES

GIS	PI	PLANT NAME	QUANTITY	KEY / PLANTING AREA
1	1			

NOTE:
 LANDSCAPE PLAN DEVELOPED USING COMMENTS RECEIVED BY PLAN REVIEW OF PREVIOUS LANDSCAPE PLAN PREPARED BY OTHER. LANDSCAPE REVIEW COMMENTS DATED 01/26/2022 @ 12:57 PM

PLANT SCHEDULE

PLAN KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	B&B	CONT.	MATURE SIZE	SPECIAL INSTRUCTIONS
CANOPY DECIDUOUS TREES								
GaG	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2.5" cal.	8	X		45'T x 30'W	
GIS	GLEDTISIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE HONEYLOCUST	2.5" cal.	8	X		45'T x 35'W	
TcG	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	2" cal.	8	X		50'T x 40'W	
DECIDUOUS SHRUBS								
Dil	DIERVILLA IONICERA	DWARF BUSH HONEYSUCKLE	#5	64		X	4'T x 4'W	18-24" HGT. MIN.
SgM	SPIRAEA JAPONICA 'GOLD MOUND'	GOLD MOUND SPIREA	#3	57		X	3'T x 4'W	
VIN	VIBURNUM PLICATUM TOMENTOSUM 'NEWZAM'	NEWPORT VIBURNUM	#5	64		X	3'T x 3'W	18-24" HGT. MIN.
EVERGREEN SHRUBS								
BgV	BUXUS X KOREANA 'GREEN VELVET'	GREEN VELVET BOXWOOD	#5	46	X		3'T x 3'W	30" HGT. MIN.
IgC	ILLEX GLABRA 'COMPACTA'	COMPACT INKBERRY HOLLY	#3	46		X	5'T x 5'W	
TmT	TAXUS X MEDIA 'TAUNTON'	TAUNTON YEW	#3	45		X	4'T x 5'W	
ORNAMENTAL GRASSES								
CkF	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHERED REED GRASS	#1	16		X	5'T x 2.5'W	24" O.C.
SpH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPS EED	#1	15		X	3'T x 2.5'W	



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 Indianapolis, Indiana 46280
 weihe.net
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REVISIONS AND ISSUES:
 1. PERMIT SET
 2. RETAINING WALL GRADES
 3. PLANTING REVISIONS

DATE: 08/22/2023
 BY: DEB
 DATE: 08/07/2023
 BY: DEB
 DATE: 10/09/2023
 BY: DEB

PROJECT NO.: W220408
 DWG NAME: C6.0 LANDSCAPE PLAN
 DESIGNED BY: DEB
 DRAWN BY: JM
 CHECKED BY: BT
 DATE: 08/22/2023

DARRELL A. EDWARDS
 REGISTERED PROFESSIONAL ENGINEER
 No. 890047
 STATE OF INDIANA

DARRELL A. EDWARDS P.E. #890047

BID SET

PREPARED FOR:
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 NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46055
 LANDSCAPE PLAN

SHEET NO.
C6.0

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 W22.0408

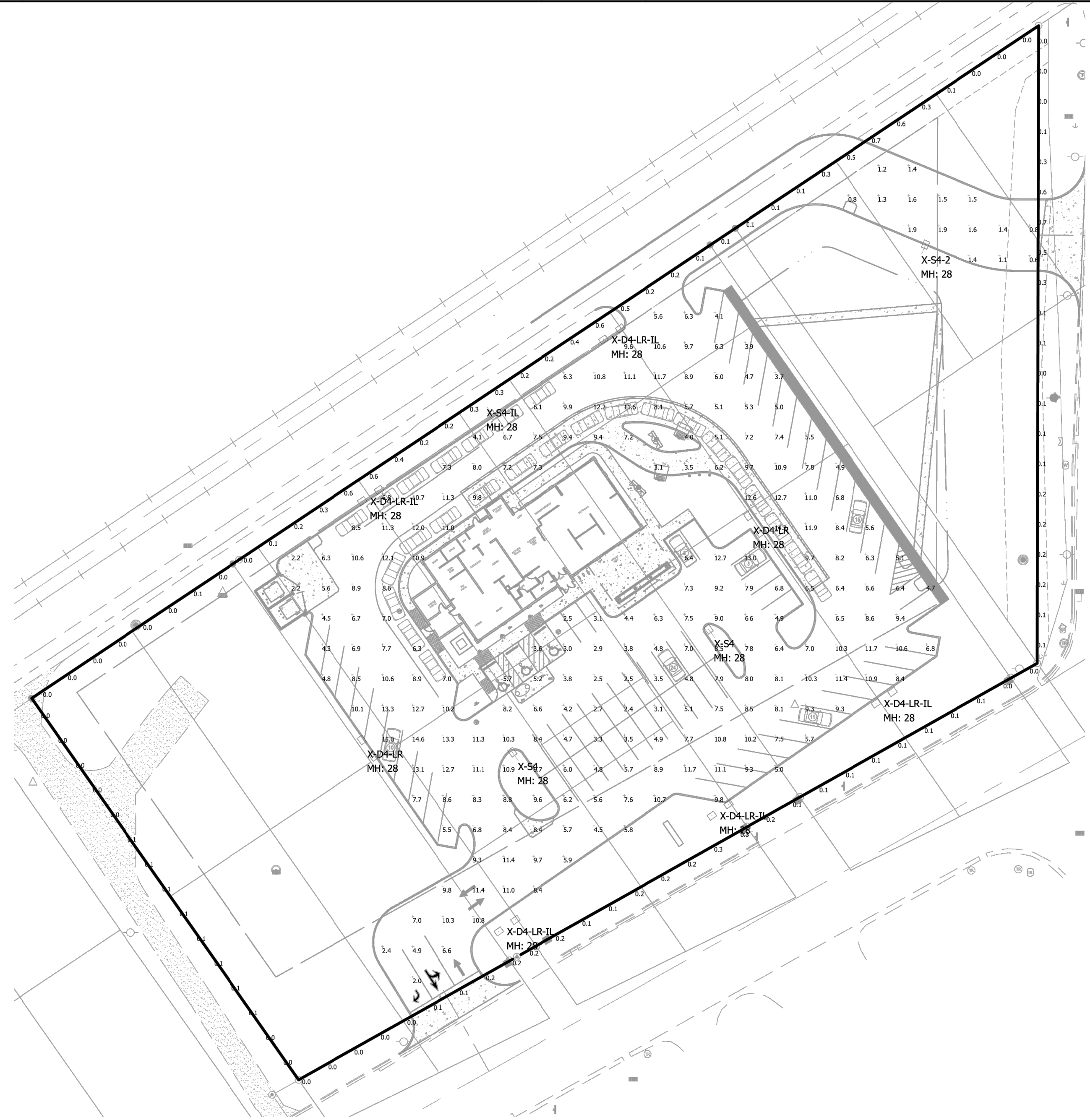
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 PER INDIANA STATE LAW IC 8-1-26,
 IT IS AGAINST THE LAW TO EXCAVATE
 WITHOUT NOTIFYING THE UNDERGROUND
 UTILITY SERVICE TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.

SCALE: 1" = 30'

0 15 30 60

LOCATION: \\N:\2022\W220408\Engineering\Design\Concept\W220408 - C6.0 LANDSCAPE PLAN.dwg
 DATE/TIME: October 09, 2023 - 1:44pm
 PLOTTED BY: gstrand



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts	Description
	1	X-S4-2	Single	12311	0.900	86	MRS-LED-12L-SIL-FT-50-70CRI
	1	X-S4-IL	Single	27941	0.900	354	MRM-LED-42L-SIL-FT-50-70CRI-IL
	5	X-D4-LR-IL	Twin	27941	0.900	354	MRM-LED-42L-SIL-FT-L-R-50-70CRI-IL
	2	X-D4-LR	Twin	44130	0.900	354	MRM-LED-42L-SIL-FT-L-R-50-70CRI
	2	X-S4	Single	44130	0.900	354	MRM-LED-42L-SIL-FT-50-70CRI

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
_Property Line	Illuminance	Fc	0.16	0.7	0.0	N.A.	N.A.
Access Drive	Illuminance	Fc	1.33	1.9	0.6	2.22	3.17
Paved Areas & Drives	Illuminance	Fc	7.69	15.0	2.0	3.85	7.50



LIGHTING NOTES:
 - Mounting Height = 25' Poles / 3' Base
 - Light Loss Factor = 0.90
 - Footcandle Values Calculated @ Grade
 - Reflectance Values - 80/50/20 (office spaces)
 50/30/20 (warehouse areas)

National Lighting Vendor:
 For pricing and technical assistance contact:
 Russ Miller of CBMC INC, tel# 317-697-7510,
 rmiller@cbmcinc.com

All electrical work shall comply with National, State, and Local codes including and not limited to the National Electric Code, NFPA 101 Life Safety Code, ASHREA and /or IECC Energy Codes.
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SEE MORE

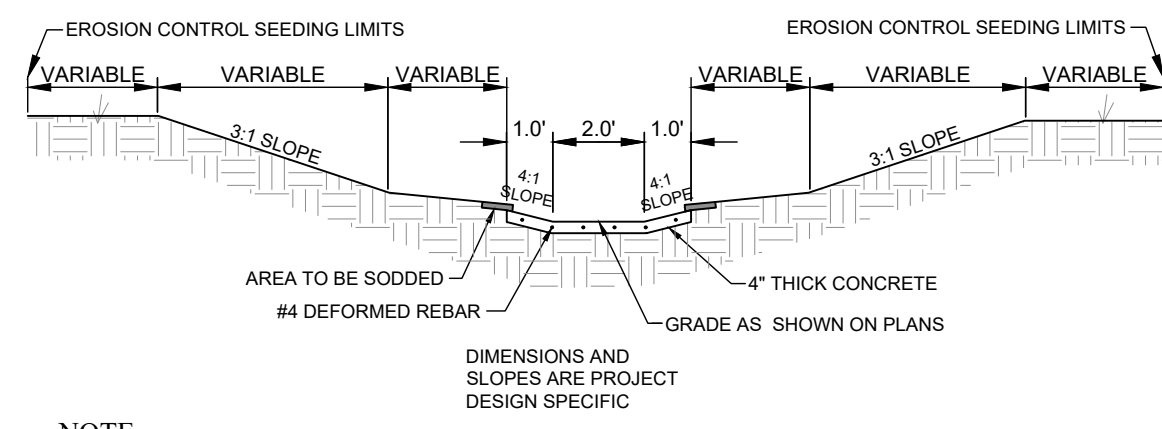
This lighting pattern represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with IESNA approved methods. Actual performance of any manufacturer's luminaire may vary due to variation in electrical voltage, tolerance in lamps and LED lumen package, location adjustments, and other variable field conditions.
 Contractor to check and verify all dimensions on site before commencing any work shown.

Culver's - McCordsville

SITE LAYOUT C7.0

Scale:	1" = 40'	Drawing No:	LP1
Date:	8/25/23	Project No:	
Drawn By:	SJM	CB24065-SITE-2	-

LIGHTING AND PHOTOMETRIC PLAN



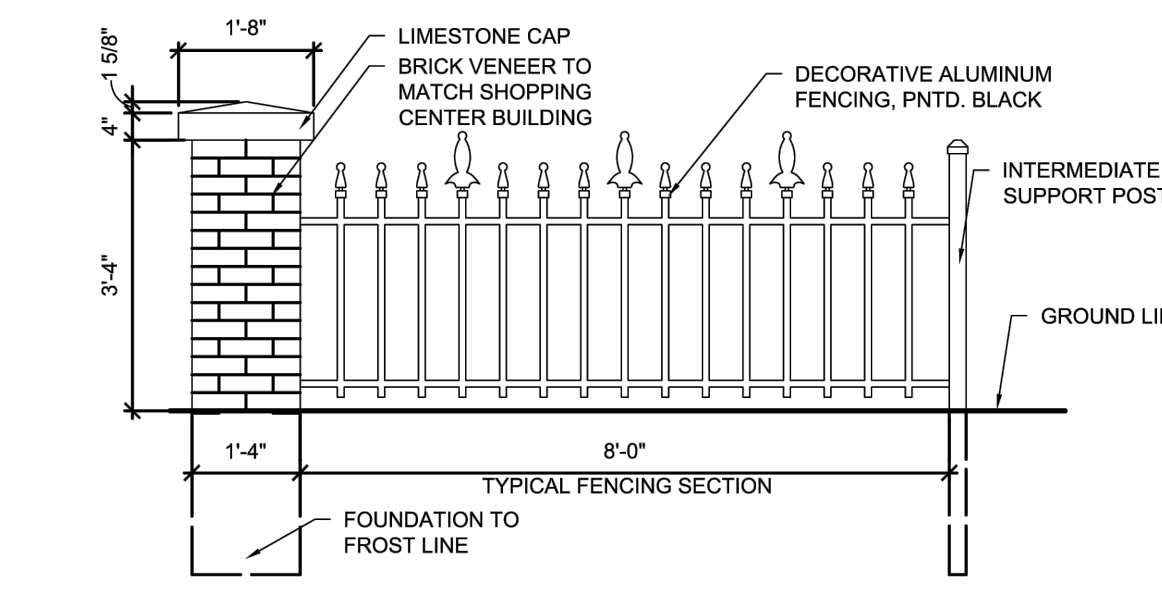
NOTE:
 (A) STABILIZE WITH ONE OR MORE OF THE FOLLOWING: SELECTION BASED ON FIELD CONDITIONS AND CHANNEL VELOCITIES.
 1. EROSION CONTROL BLANKET
 2. TURF REINFORCED MATS
 3. SOD

INSTALLATION
 4. REMOVE AND PROPERLY DISPOSE OF BRUSH, TREES, AND OTHER DEBRIS FROM THE FOUNDATION AREA.
 5. EXCAVATE AND SHAPE THE CHANNEL TO LINES AND DIMENSIONS SHOWN ON CONSTRUCTION PLANS. REMOVING AND PROPERLY DISPOSING OF EXCESS SOIL SO THAT SURFACE WATER CAN ENTER THE CHANNEL FREELY.
 6. IF SOILS HAVE A SEASONAL HIGH WATER TABLE, INSTALL SUBSURFACE DRAINAGE TILE. OFFSET THE DRAINAGE TILE TO ONE SIDE OF THE CHANNEL. (DO NOT PLACE IN THE CENTER OF THE CHANNEL). UTILITY LINES SHOULD NOT BE INSTALLED NEAR THE CHANNEL BOTTOM. PROTECT ALL CONCENTRATED INFLOW POINTS ALONG THE CHANNEL WITH EROSION RESISTANT LININGS SUCH AS RIPRAP OR WITH OTHER APPROPRIATE MEASURES.
 7. ADD TOPSOIL WHERE SOILS EXPOSED DURING EXCAVATION WOULD BE UNSUITABLE FOR ESTABLISHMENT OF VEGETATION.
 8. SEED (SEE PERMANENT SEEDING ON CHART) CHANNEL IMMEDIATELY AFTER GRADING AND PROTECT WITH EROSION CONTROL BLANKETS, TURF REINFORCEMENT MATS, OR INSTALL SOD.
 9. STABILIZE OUTLETS DURING CHANNEL INSTALLATION.

MAINTENANCE
 1. INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
 2. CHECK CHANNEL OUTLET AND ROAD CROSSINGS FOR BLOCKAGE, SEDIMENT, BANK INSTABILITY, AND PIPING OR SCOUR HOLES. REMOVE ANY BLOCKAGE, AND MAKE REPAIRS IMMEDIATELY.
 3. REMOVE SIGNIFICANT SEDIMENT AND DEBRIS FROM CHANNEL TO MAINTAIN DESIGN CROSS SECTION AND CHANNEL GRADE AND TO PREVENT SPOT EROSION.

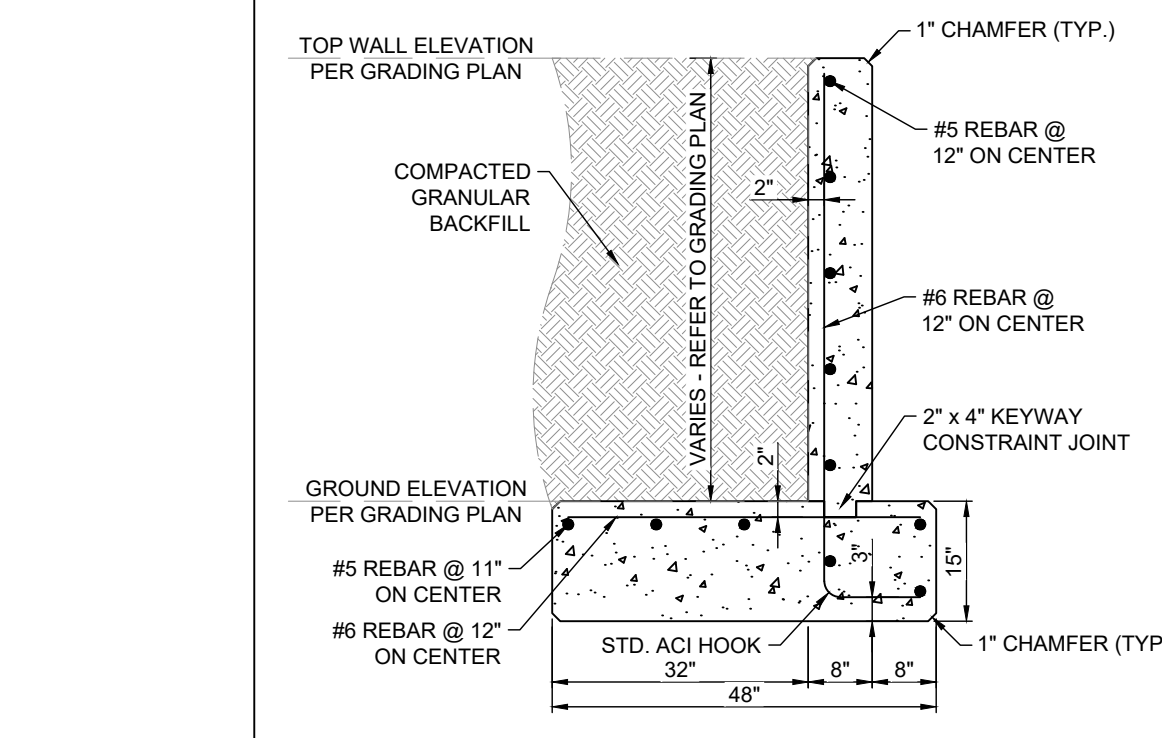
SET UP LIKE GRASS-LINED CHANNEL OR RIPRAP LINED CHANNEL
 - TRIANGULAR
 - V-DITCH
 - SEMI-CIRCLE

CONCRETE CHANNEL SECTION (NO SCALE)



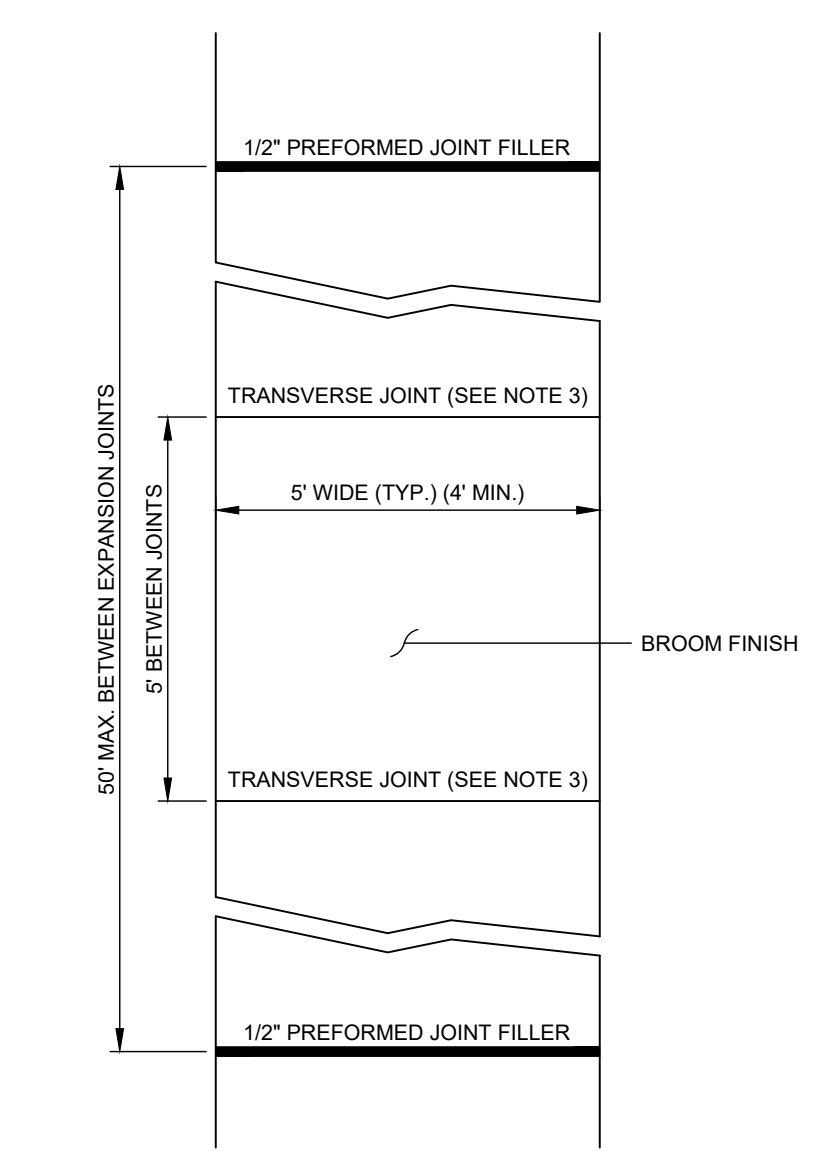
GENERAL NOTES:
 1. AMOUNT AND LOCATION OF FENCE TO BE APPROVED BY OWNER
 2. SECTIONS OF DECORATIVE FENCING TO BE 25'-9\"/>

PERIMETER FENCE (NO SCALE)



TYPICAL RETAINING WALL (NO SCALE)

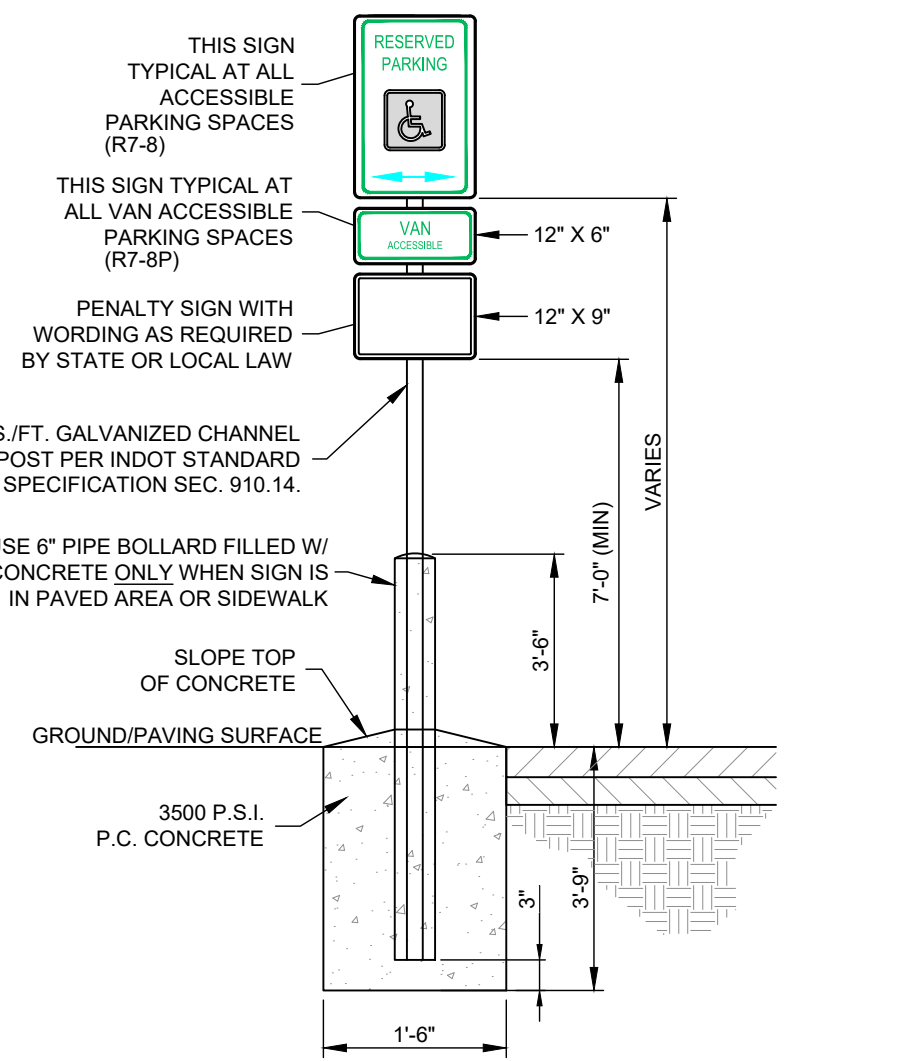
NOTE: BRACE REINFORCED CONCRETE RETAINING WALL DURING CONSTRUCTION & BACKFILLING UNTIL WALL HAS REACHED 28 DAY STRENGTH.



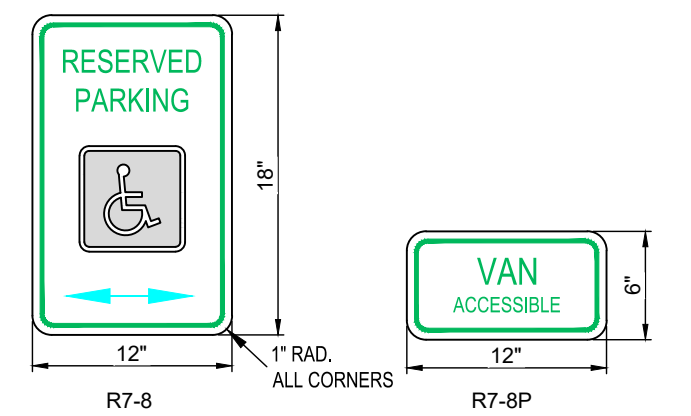
SIDEWALK PLAN VIEW AND JOINTING (NO SCALE)

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

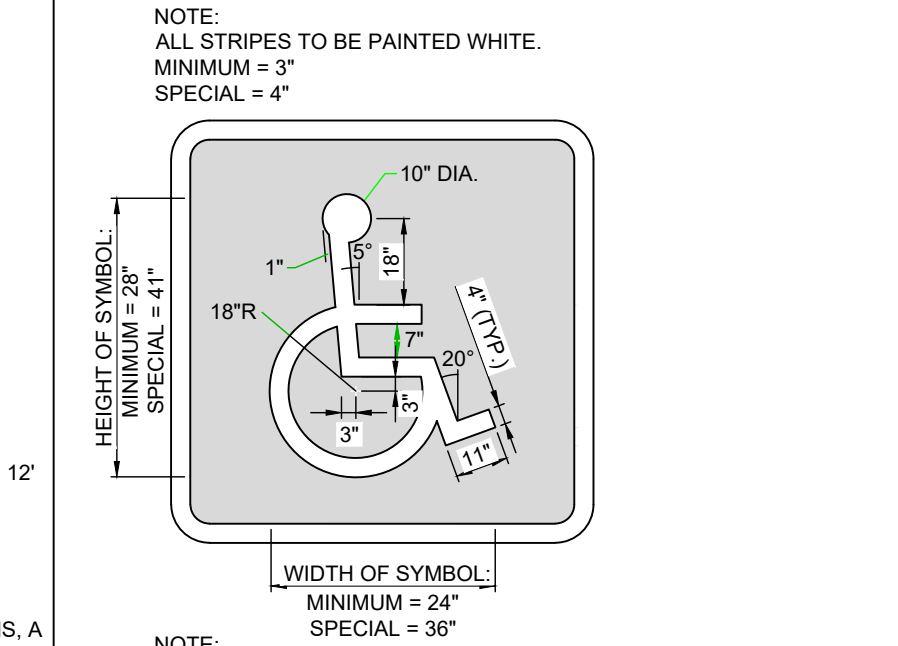
WHERE PARKING SPACES THAT ARE RESERVED FOR PERSONS WITH DISABILITIES ARE DESIGNATED TO ACCOMMODATE WHEELCHAIR VANS, A VAN ACCESSIBLE (R7-8P) PLAQUE SHALL BE MOUNTED BELOW THE R7-8 SIGN. THE R7-8 SIGN SHALL HAVE A GREEN LEGEND AND BORDER AND A WHITE WHEELCHAIR SYMBOL ON A BLUE SQUARE ALL ON A WHITE BACKGROUND. THE R7-8P PLAQUE SHALL HAVE A GREEN LEGEND AND BORDER ON A WHITE BACKGROUND.



ACCESSIBLE SIGN BOLLARD MOUNT DETAIL (NO SCALE)

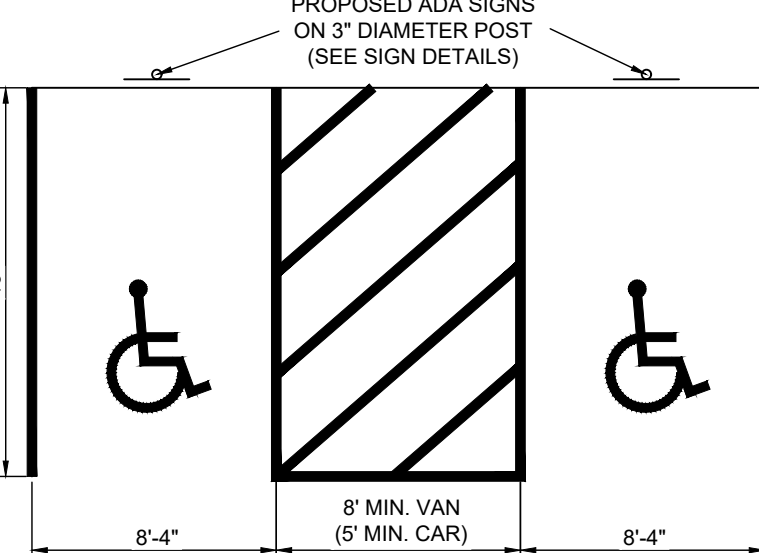


NOTE:
 12\"/>



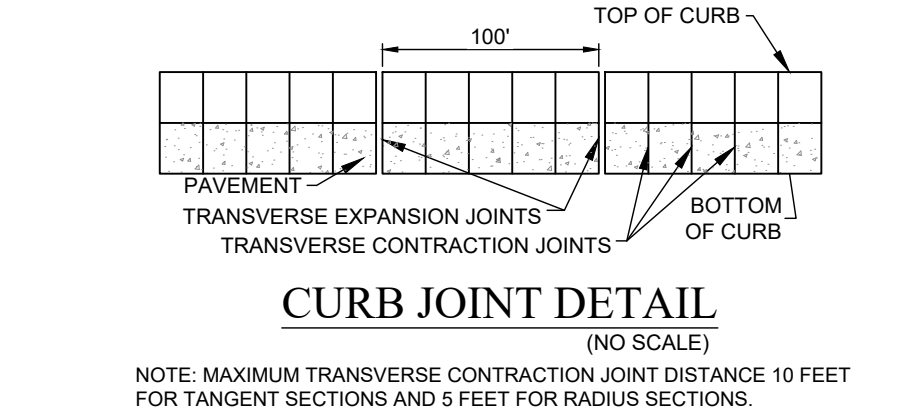
NOTE:
 ALL STRIPES TO BE PAINTED WHITE.
 MINIMUM = 3\"/>

ACCESSIBLE PARKING SYMBOL DETAIL (NO SCALE)

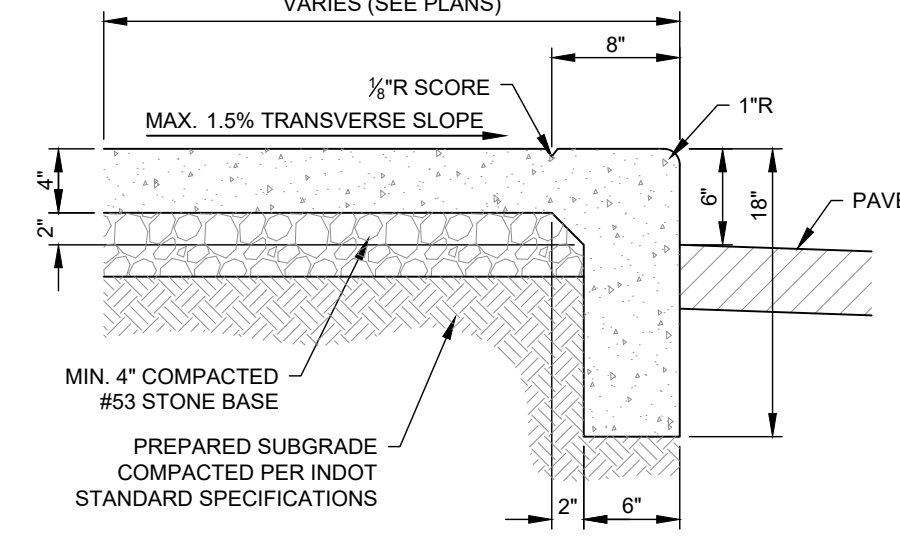


ACCESSIBLE PARKING SPACES (NO SCALE)

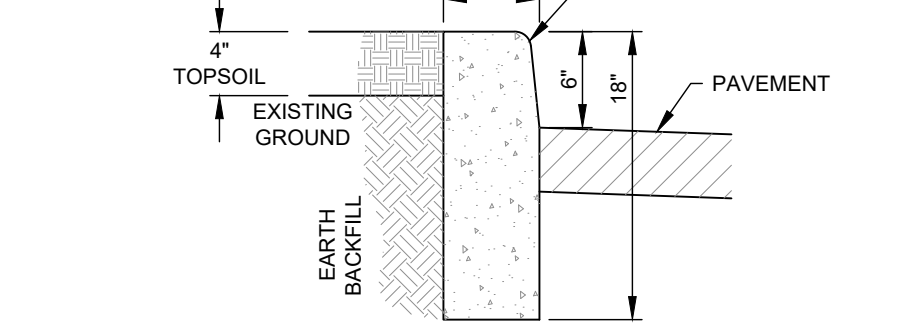
NOTE:
 ALL PAINT TO BE BLUE NON-SKID SURFACE APPLICATION OF CILICA SAND OR GLASS BEAD BY METHOD OF MIXTURE AND OR BROADCASTING.



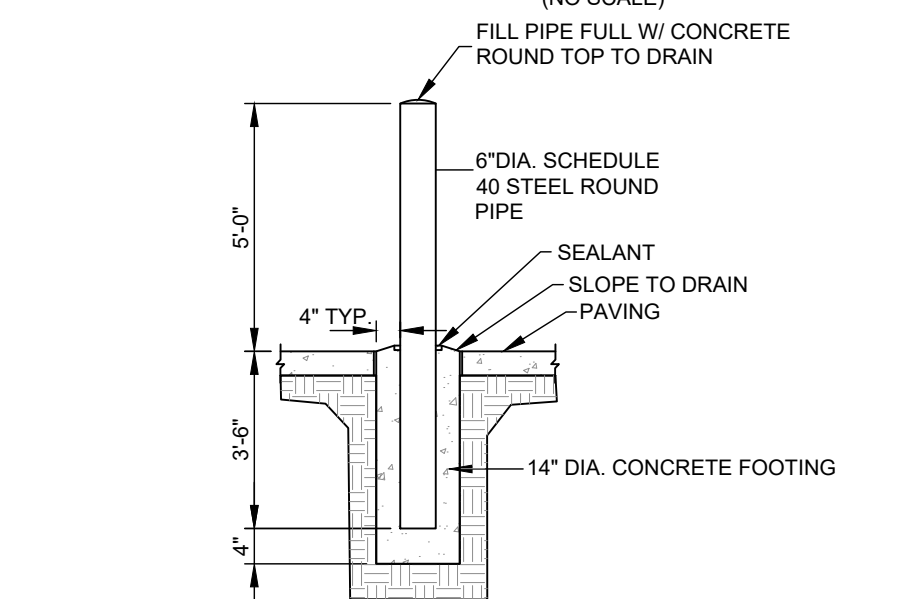
NOTE: MAXIMUM TRANSVERSE CONTRACTION JOINT DISTANCE 10 FEET FOR TANGENT SECTIONS AND 5 FEET FOR RADIUS SECTIONS.



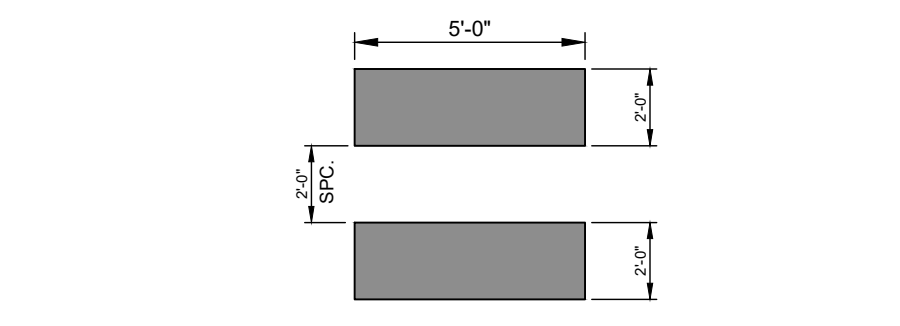
4\"/>



6\"/>

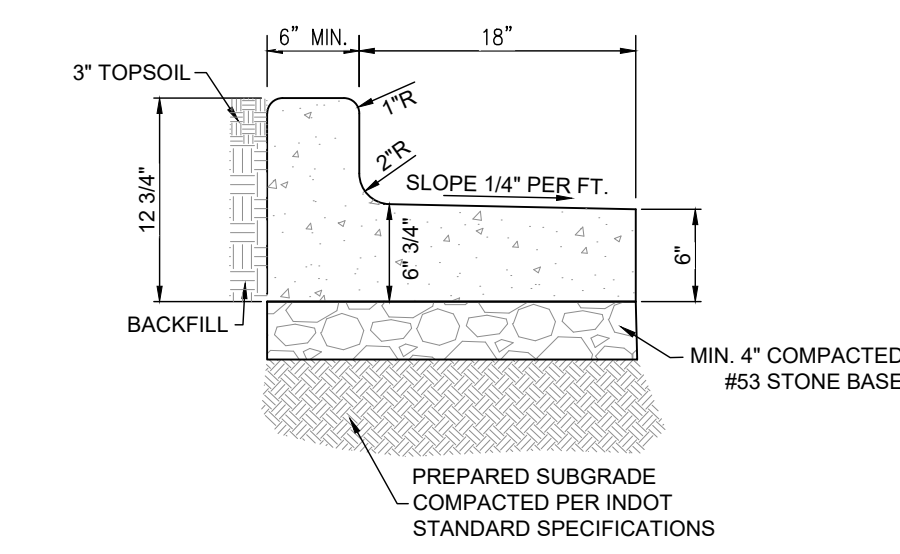


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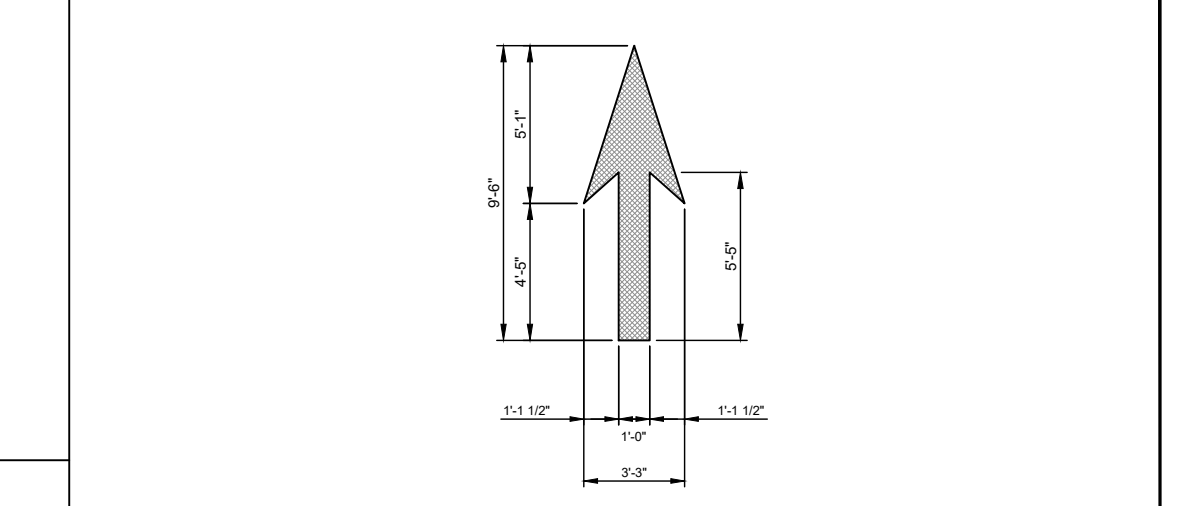


NOTES:
 1. CONTRACTOR SHALL PROPERLY RE-ALIGN STOP BARS AND OTHER PAVEMENT MARKERS AS NECESSARY TO INSTALL CROSSWALK.
 2. CROSSWALK STRIPES SHALL BE APPLIED IN ACCORDANCE WITH MUNICIPAL STANDARDS.
 3. STRIPES ARE THERMOPLASTIC WHITE WITHIN R.O.W.; OTHERWISE PAINTED WHITE.
 4. CONTRACTOR SHALL APPLY LONG LIFE MARKING MATERIALS ONLY.

PEDESTRIAN CROSSWALK (NO SCALE)

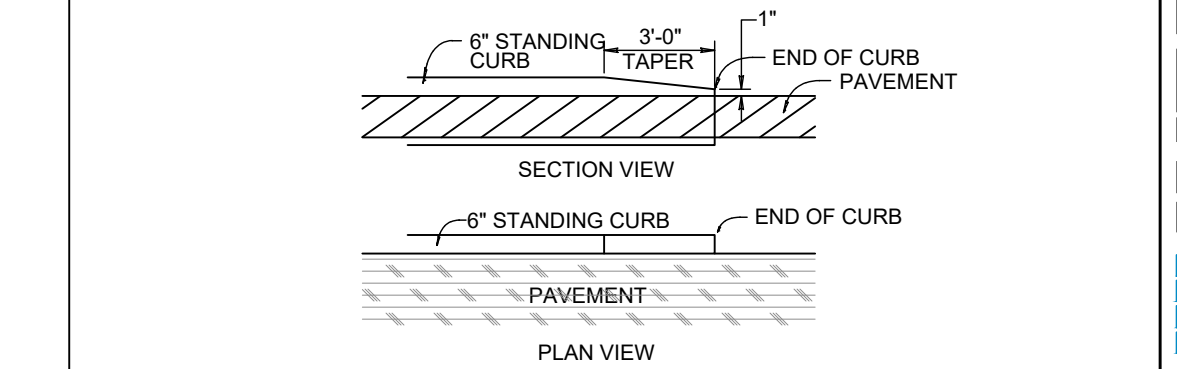


COMBINED CONCRETE CURB & GUTTER (NO SCALE)

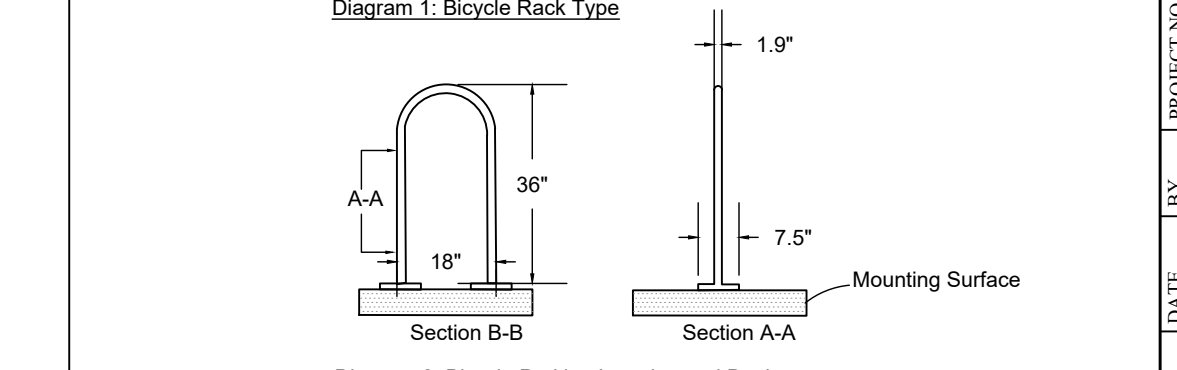


NOTES:
 1. LANE CONTROL ARROWS SHALL BE WHITE AND SHALL BE PLACED IN ACCORDANCE WITH MUTCD.
 2. THE ARROW SHOULD BE 20 FEET IN ADVANCE OF THE STOPLINE.
 3. THE WORD \"ONLY\" SHOULD BE LOCATED IN ADVANCE OF THE PAVEMENT ARROW.
 4. TYPICAL SIZES FOR NORMAL INSTALLATION; SIZES MAY BE REDUCED APPROXIMATELY ONE-THIRD FOR LOW-SPEED URBAN CONDITIONS.

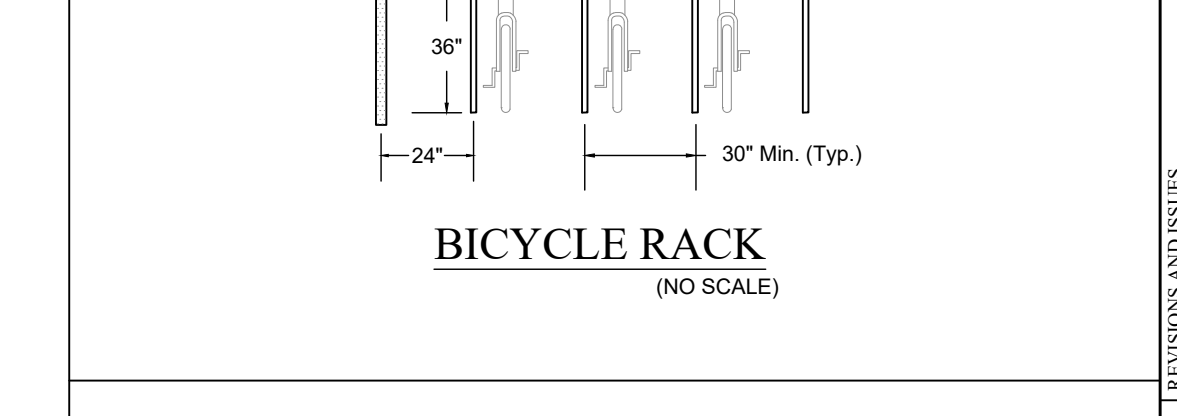
TRAFFIC MARKING DETAILS (NO SCALE)



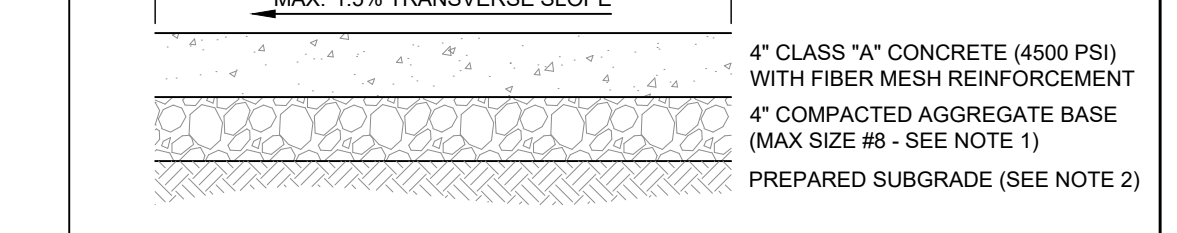
CURB TAPER DETAIL (NO SCALE)



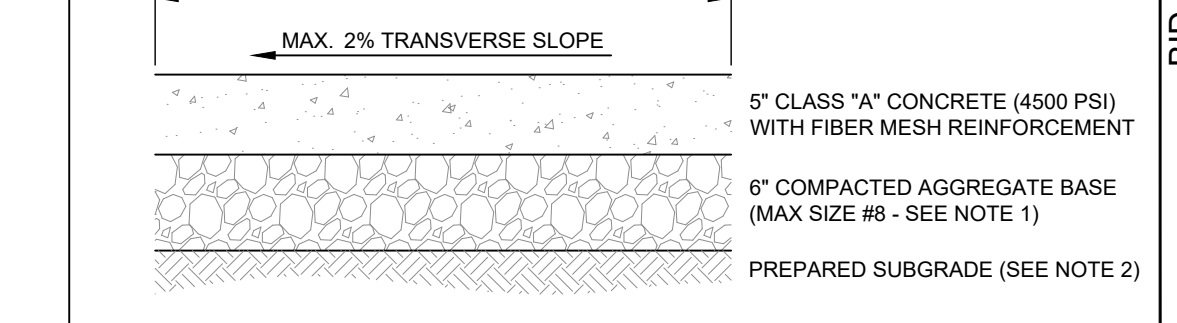
BICYCLE RACK (NO SCALE)



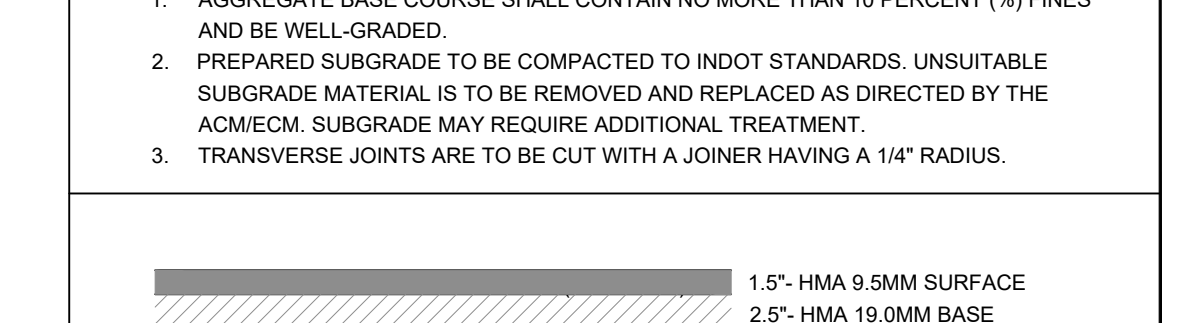
CONCRETE SIDEWALK PAVING SECTION (NO SCALE)



ACCESSIBLE CROSSWALK PAVING SECTION (NO SCALE)



STANDARD DUTY ASPHALT PAVEMENT SECTION (NO SCALE)



HEAVY DUTY ASPHALT PAVEMENT SECTION (NO SCALE)

10505 N. College Avenue
 Indianapolis, Indiana 46280
 www.weihe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax

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REVISIONS AND ISSUES	DATE	BY	DEG	PROJECT NO.	DWG NAME
1	08/22/2023	WZ	WZ	W220408	W220408
2	10/20/2023	WZ	WZ	W220408	W220408
3	10/20/2023	WZ	WZ	W220408	W220408



DARRELL A. EDWARDS P.E. #890047

BID SET

PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
 NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46065

SITE DETAILS

NOTES:
 1. AGGREGATE BASE COURSE SHALL CONTAIN NO MORE THAN 10 PERCENT (%) FINES AND BE WELL-GRADED.
 2. PREPARED SUBGRADE TO BE COMPACTED TO INDOT STANDARDS. UNSUITABLE SUBGRADE MATERIAL IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ACM/ECM. SUBGRADE MAY REQUIRE ADDITIONAL TREATMENT.
 3. TRANSVERSE JOINTS ARE TO BE CUT WITH A JOINER HAVING A 1/4\"/>

1.5\"/>
 2.5\"/>
 8\"/>
 8\"/>
 PREPARED SUBGRADE (SEE NOTE 2)

2\"/>
 3\"/>
 8\"/>
 PREPARED SUBGRADE (SEE NOTE 2)

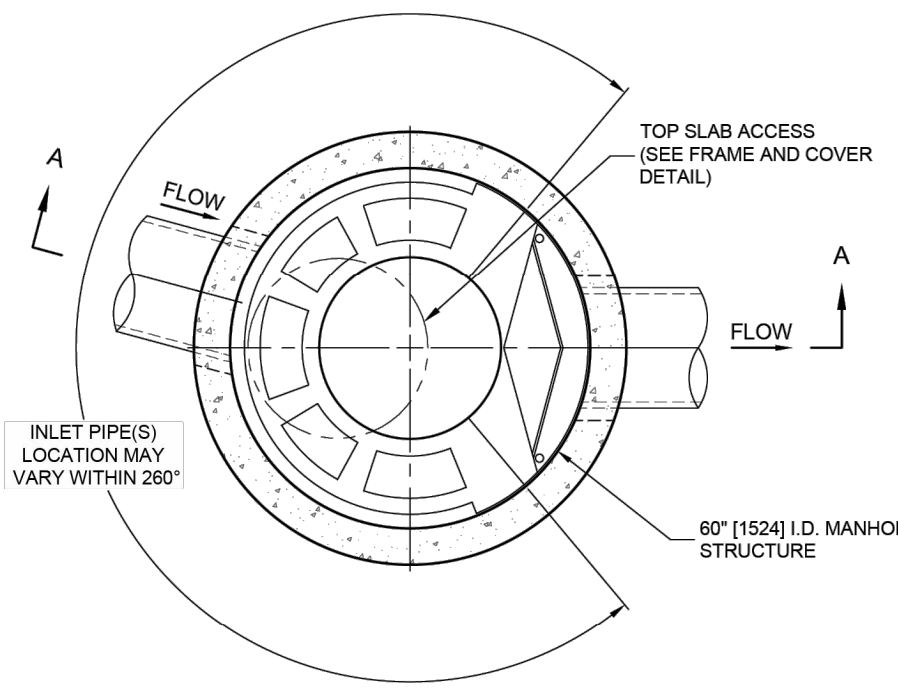
2\"/>
 3\"/>
 8\"/>
 PREPARED SUBGRADE (SEE NOTE 2)

2\"/>
 3\"/>
 8\"/>
 PREPARED SUBGRADE (SEE NOTE 2)

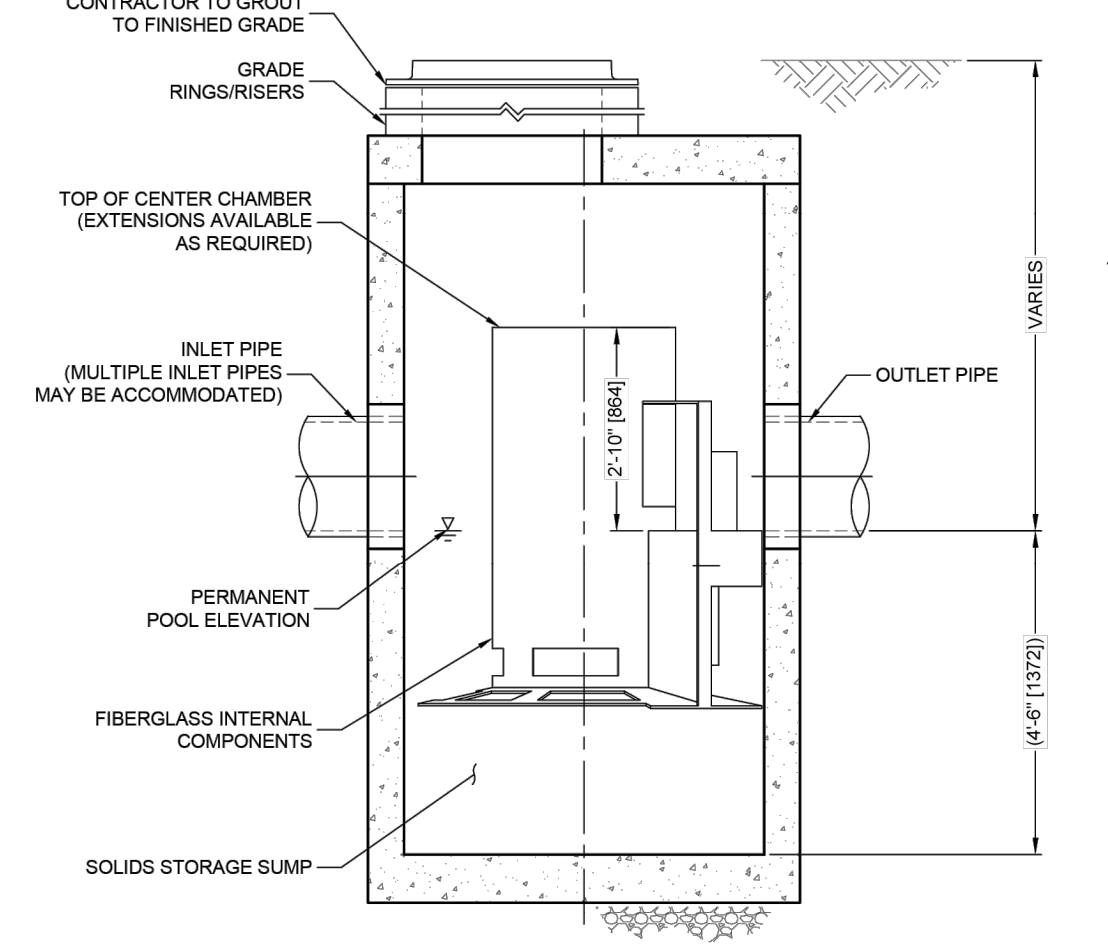
SHEET NO.
C8.1

PROJECT NO.
 W22.0408

LOCATION: I:\2022\W220408\Engineering\Design\Layout\W220408 - C8.1 SITE DETAILS.dwg
 DATE/TIME: October 09, 2023 - 14:40
 PLOTTED BY: jperand



PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE separator™

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-5 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

GRATED INLET ONLY (NO INLET PIPE)

GRATED INLET WITH INLET PIPE OR PIPES

CURB INLET ONLY (NO INLET PIPE)

CURB INLET WITH INLET PIPE OR PIPES

SITE SPECIFIC DATA REQUIREMENTS

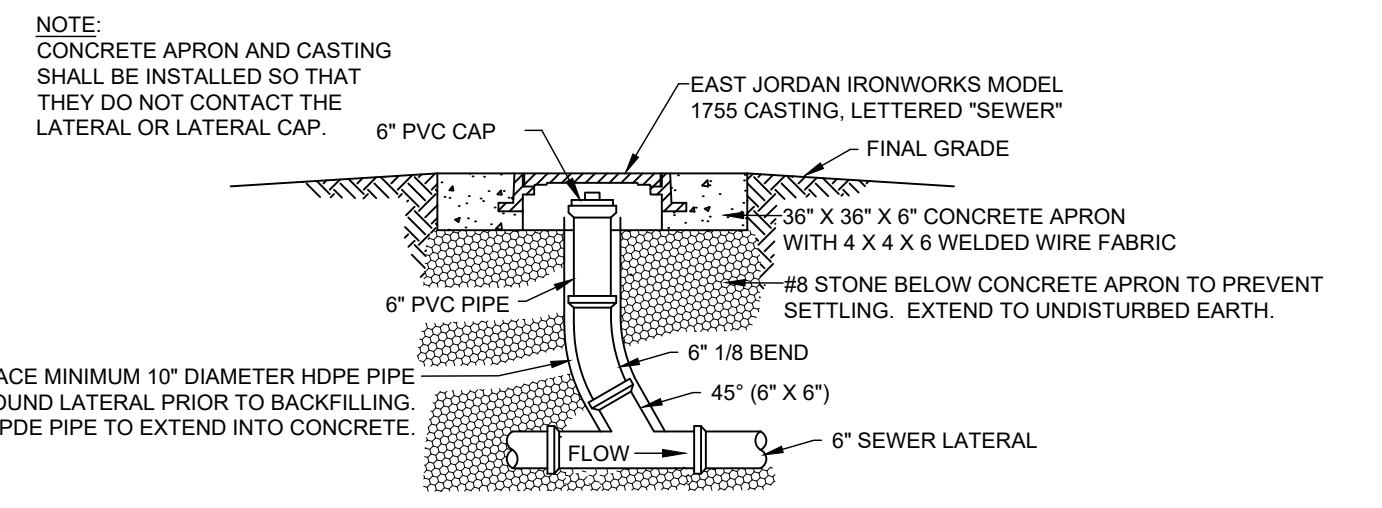
STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
RIM ELEVATION	
PIPE DATA:	
INLET PIPE 1	
INLET PIPE 2	
OUTLET PIPE	
NOTES/SPECIAL REQUIREMENTS:	

FRAME AND COVER (DIAMETER VARIES)
NOT TO SCALE

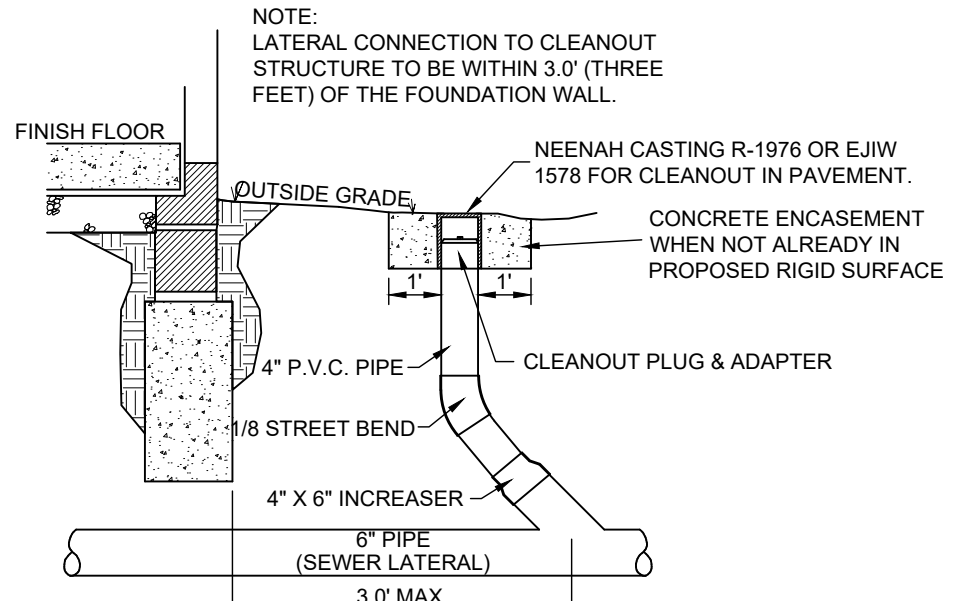
- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
 - CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 - CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [810], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M506 AND BE CAST WITH THE CONTECH LOGO.
 - CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
 - ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
 - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
 - CONTRACTOR TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
 - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



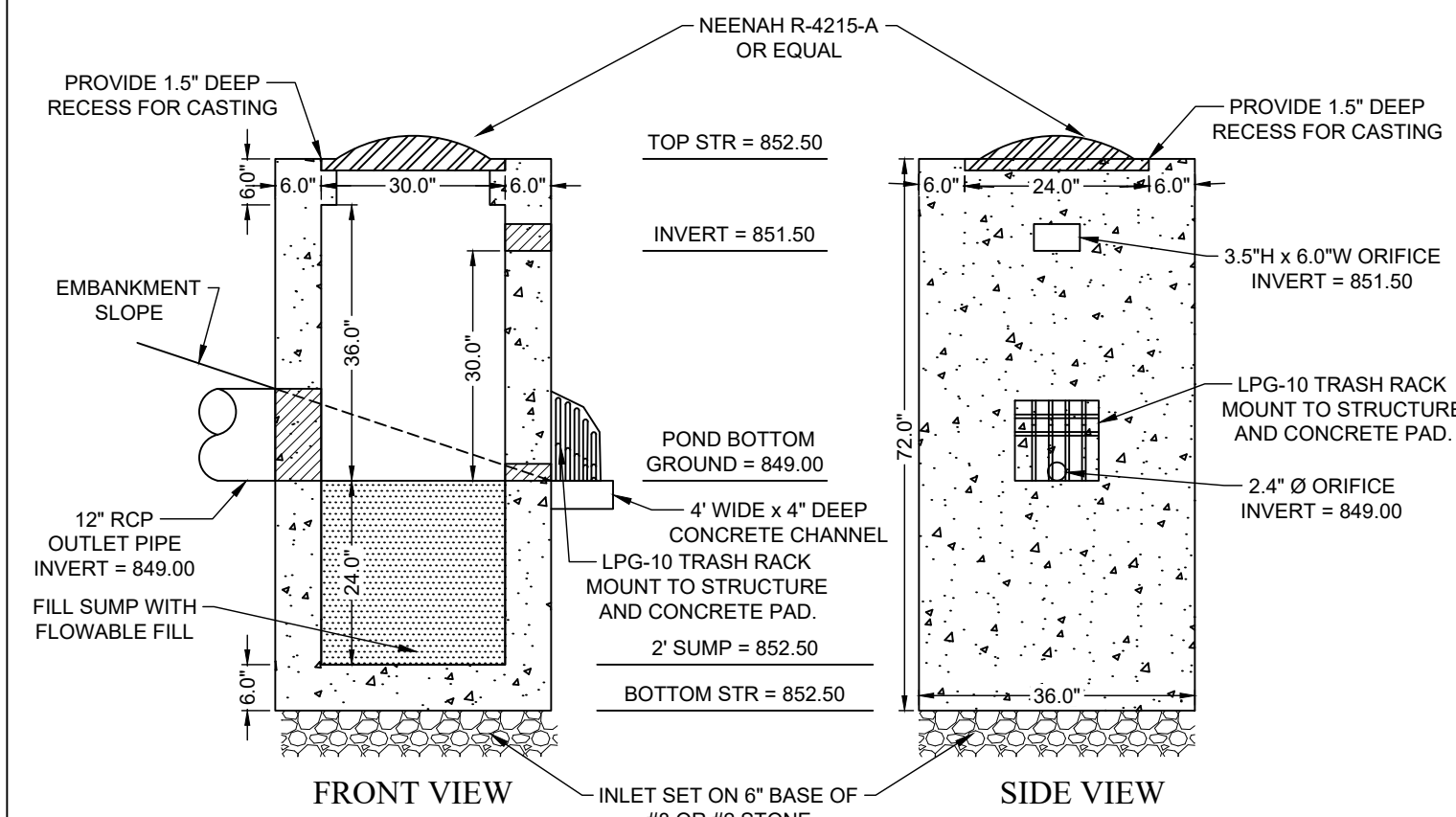
CS-5 CASCADE SEPARATOR STANDARD DETAIL



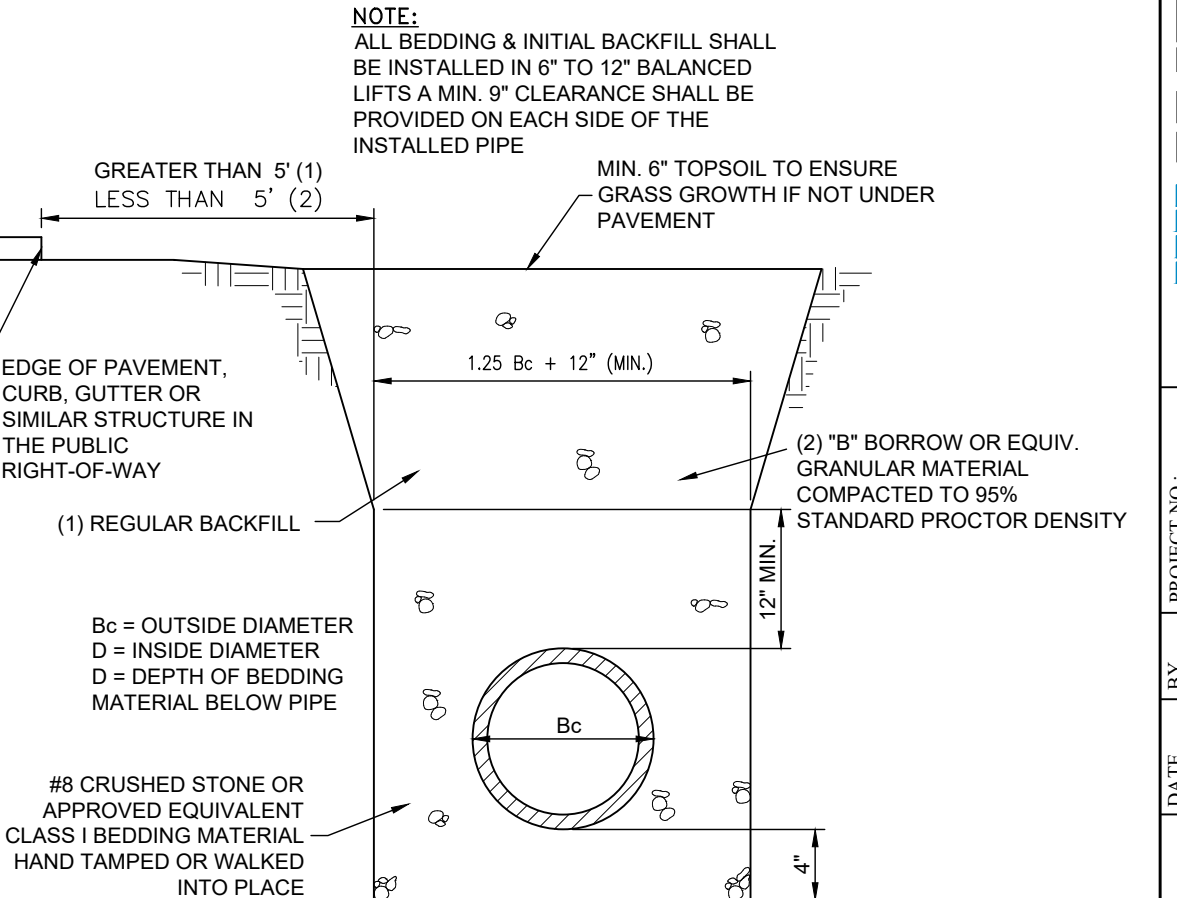
TYPICAL CLEANOUT SECTION
TYPE 2 (NO SCALE)



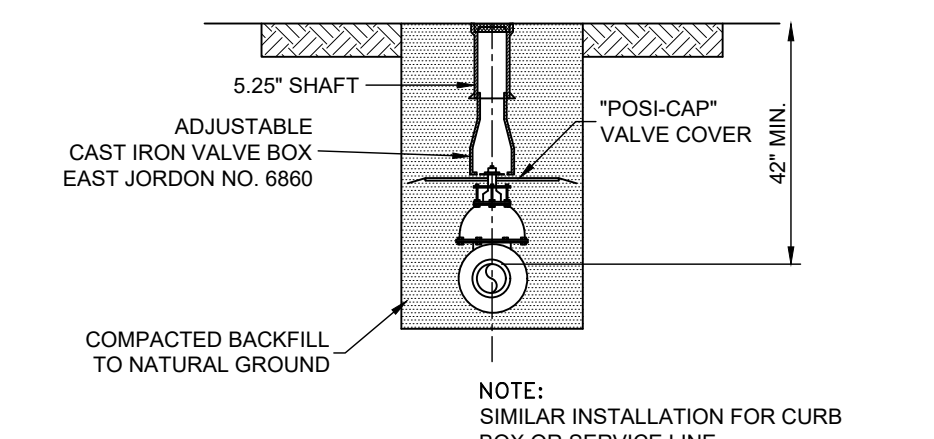
TYPICAL CLEANOUT SECTION
TYPE 1 (NO SCALE)



OUTLET CONTROL STRUCTURE DETAIL
(NO SCALE)

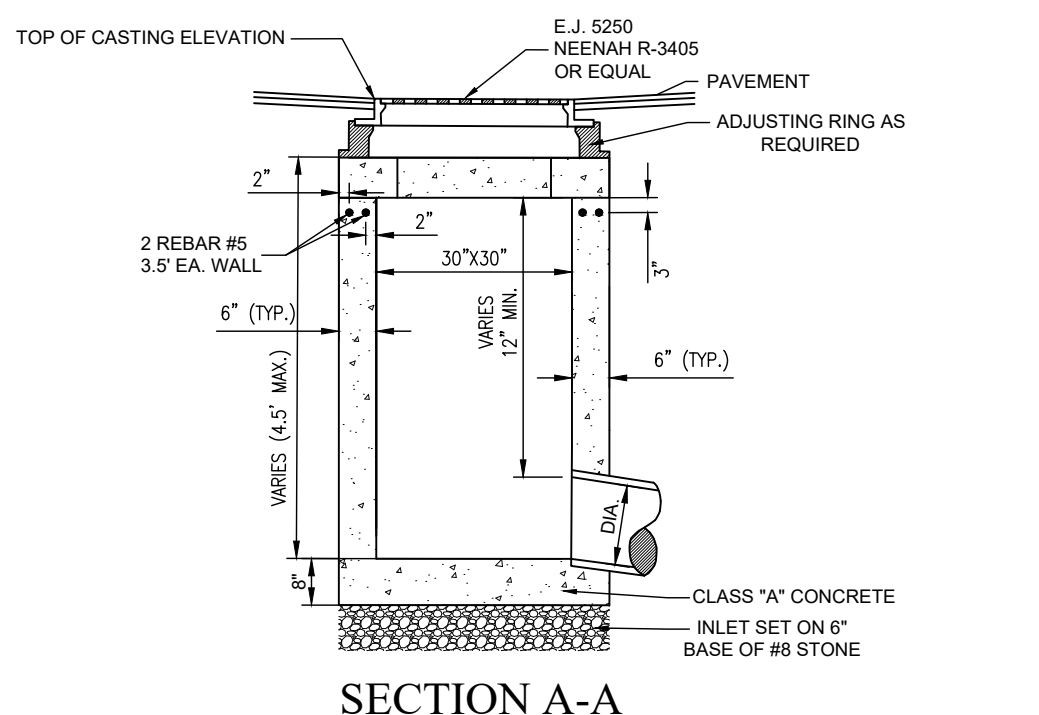
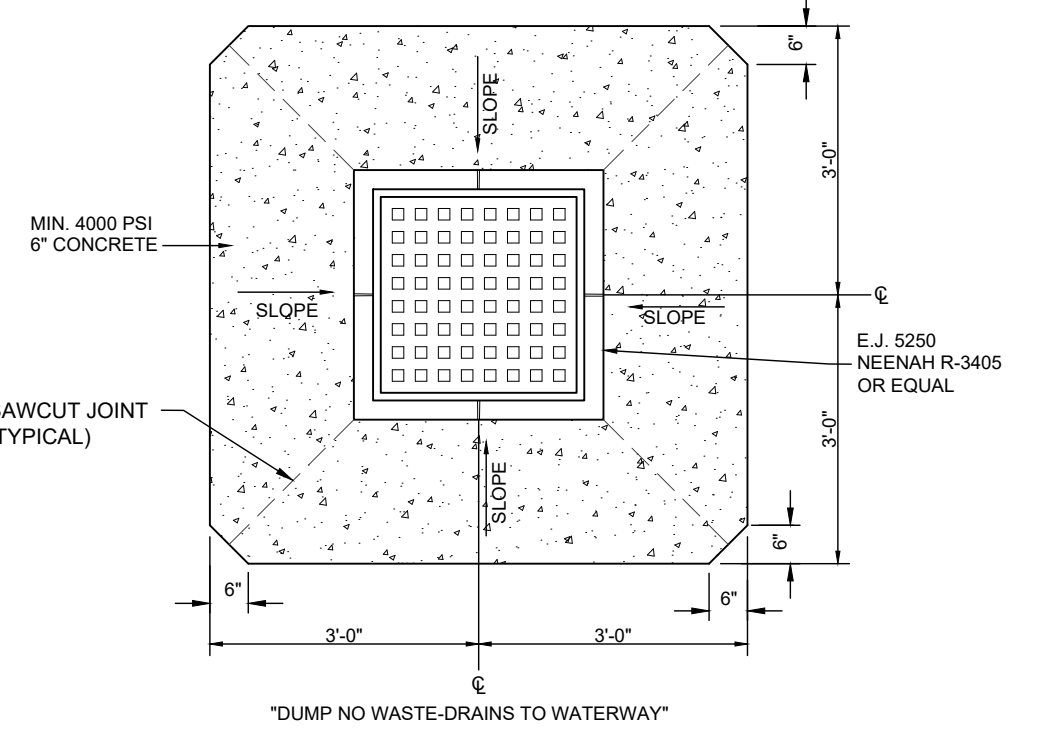


TYPICAL BEDDING SECTION - PVC & HDPE
(NO SCALE)

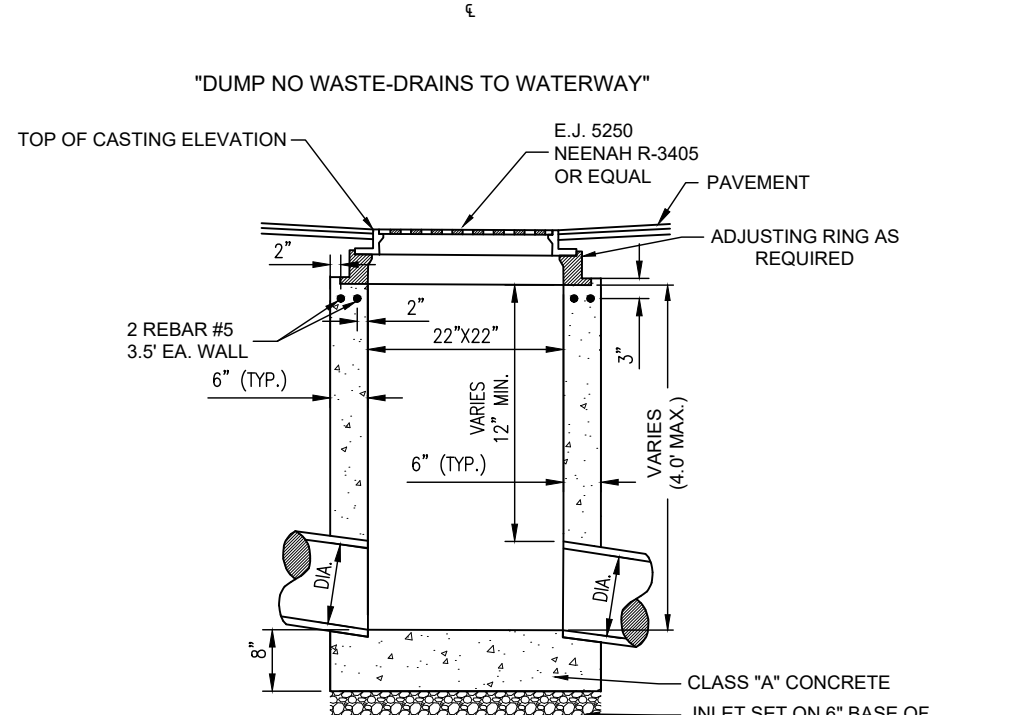
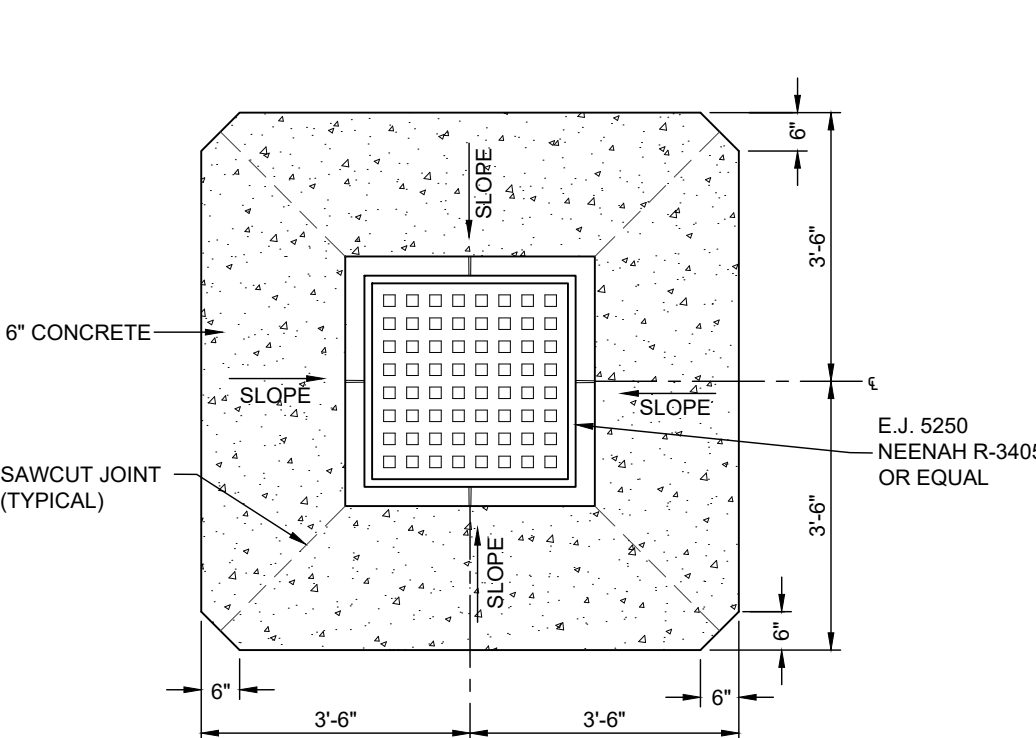


TYPICAL VALVE BOX INSTALLATION
(NO SCALE)

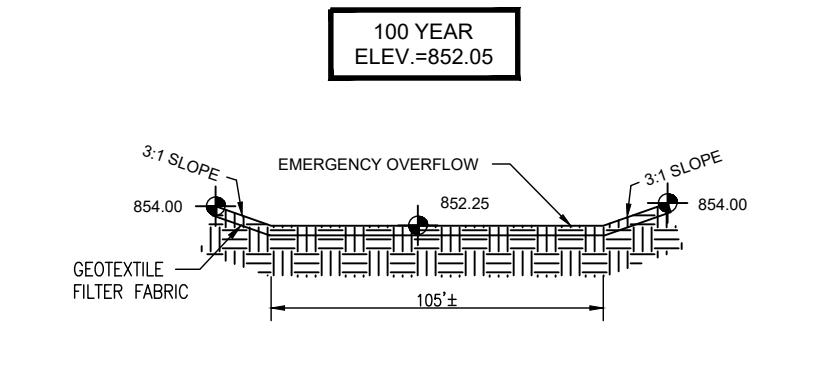
PIPE SIZE (DIA. "G")	MANHOLE (DIA. "F") PIPES ENTERING/ LEAVING AT 0-45 DEGREES	MANHOLE (DIA. "F") PIPES ENTERING/ LEAVING AT 45-90 DEGREES	UP TO 60 DEGREES
12"-21"	48"	48"	N/A
24"	48"	60"	N/A
27"-30"	60"	60"	N/A



SECTION A-A



SECTION



EMERGENCY SPILLWAY
(NO SCALE)

REQUIREMENTS FOR ALL STORM SEWER BENCHWALLS

BENCH WALLS SHALL BE SHAPED AND FORMED FOR A CLEAN TRANSITION WITH PROPER HYDRAULICS TO ALLOW THE SMOOTH CONVEYANCE OF FLOWS THROUGH THE MANHOLE OR BOX INLET. THE BENCH WALL SHALL FORM A DEFINED CHANNEL TO A MINIMUM HEIGHT OF 80 PERCENT OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A "U" SHAPED CHANNEL. CONSTRUCTED AT A MINIMUM 1/2-INCH PER FOOT SLOPE TO THE MANHOLE WALL.

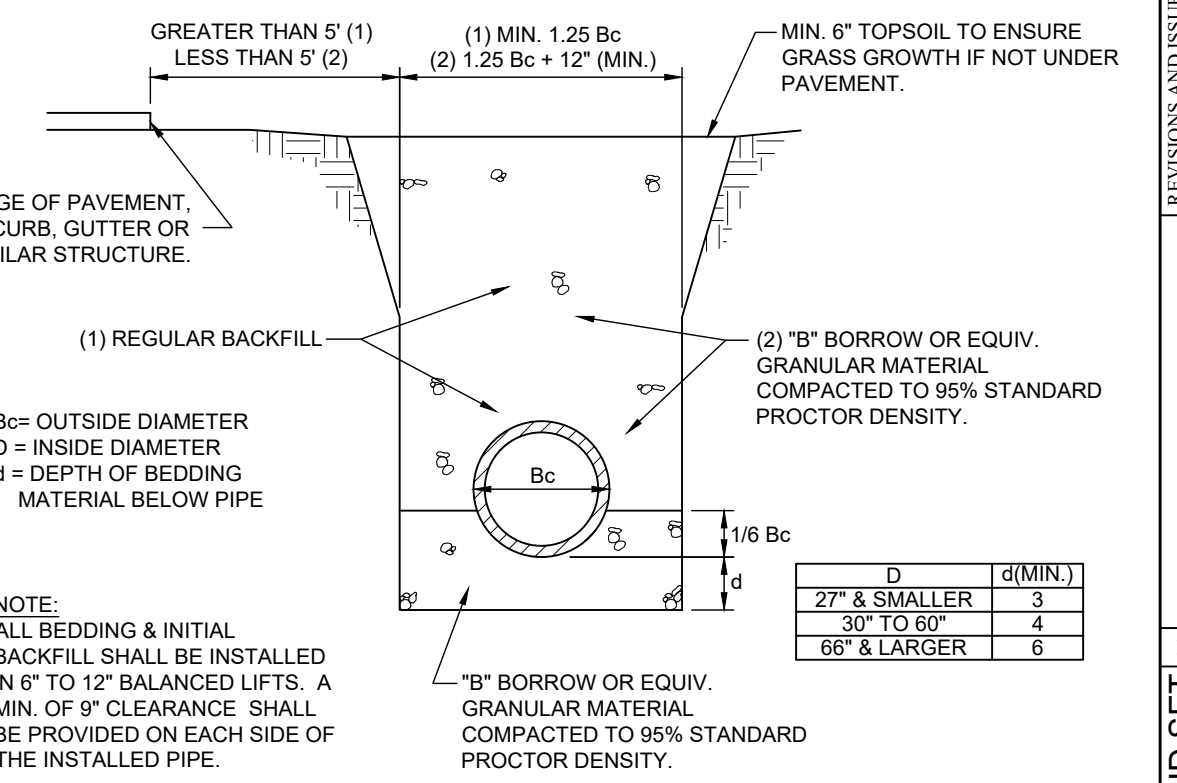
WHERE A FLOW CHANNEL IS CONSTRUCTED AS AN INTEGRAL PART OF THE PRE-CAST BASE, IT SHALL BE SHAPED AND FORMED AS DESCRIBED ABOVE, WITH THE EXCEPTION THAT THE BOTTOM OF THE FLOW CHANNEL MAY BE FORMED FROM THE BOTTOM OF INLET AND OUTLET PIPES IF THE PIPE WALL THICKNESS IS NOT GREATER THAN ONE (1) INCH.

FOR CAST-IN-PLACE FLOW CHANNELS, THE BOTTOM INVERT OF ALL PIPES ENTERING A MANHOLE SHALL BE AT LEAST THREE (3) INCHES ABOVE THE TOP OF THE BASE SLAB TO THE OUTLET INVERT SO THE FINISHED SEWER CHANNEL MAY BE INSTALLED AND SHAPED.

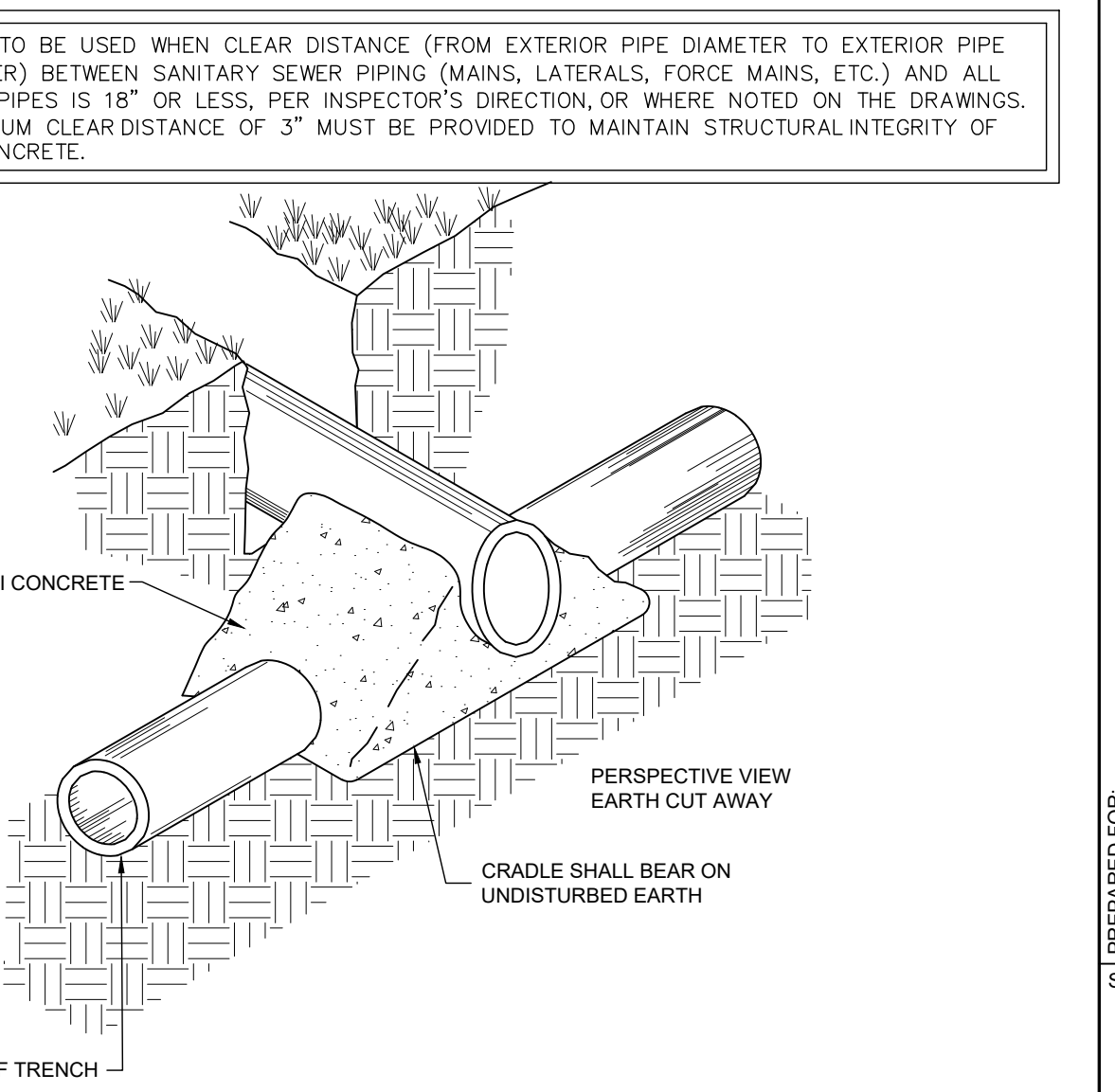
FOR CONNECTIONS TO EXISTING STORM SEWER STRUCTURES, FLOW CHANNELS SHALL BE SHAPED, AS SPECIFIED HEREIN, AS IF IT WERE A NEW MANHOLE OR BOX INLET STRUCTURE.

SPECIFICATIONS FOR ALL STORM SEWER CASTINGS

ALL STORM WATER INLETS AND CATCH BASINS SHALL HAVE THE WORDS "NO DUMPING, DRAINS TO STREAM," OR SIMILARLY APPROVED MESSAGE, CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" IN HEIGHT. IN ADDITION, A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS.



TYPICAL BEDDING SECTION - RCP PIPE
(NO SCALE)



CONCRETE CRADLE DETAIL
(NO SCALE)

STANDARD STORM MANHOLE
(NO SCALE)

NOTE

MANHOLE STEPS SHALL BE POLYPROPYLENE, POLYPROPYLENE COATED STEEL REINFORCING OR AN APPROVED NON-CORROSIVE FIBERGLASS MATERIAL. THE COPOLYMER POLYPROPYLENE SHALL MEET THE REQUIREMENTS OF ASTM D-4101 REINFORCED WITH DEFORMED 3/8" MIN. DIAMETER REINFORCED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, GRADE 60. NON-COATED CAST IRON STEPS ARE NOT ACCEPTABLE.

NOTE

MANHOLE CONFORMS TO ASTM C-478

NO BRICK OR BLOCK WILL BE ALLOWED IN MANHOLE

O-RING GASKET ASPHALTIC MASTIC OR BUTYL RUBBER SEAL BETWEEN MANHOLE JOINTS

BENCHWALLS AT MINIMUM 1/2 PERFOOT SLOPE. BENCHWALLS TO BE CONSTRUCTED TO SPRINGLINE OF PIPE. INVERT ELEVATION

BASE SHALL BE POURED IN PLACE OR PRECAST, BOTH SHALL HAVE #4 BARS-12" O.C. BOTH WAYS.

NOTES:

- 6" CONCRETE PRECAST OR POURED IN PLACE.
- REFER TO BEDDING DETAIL AS REQUIRED
- VAR. PIPE SIZE
- 21" MAX STRAIGHT CONNECTIONS
- 15" MAX SKEW CORNER CONNECTIONS
- MIN. 6" FLAT TOP WITH 12" SQUARE OPENING
- PIPE CONNECTION TO BE SEALED WITH NON-SHRINK GROUT
- STRAIGHT-OUT CONNECTIONS SHOULD NOT BE MADE TO EITHER PRECAST BOX OR INLET WALL TOUCHED BY A SKEW/CORNER CONNECTION UNLESS SUFFICIENT BOX INLET WALL AREA REMAINS ON EACH SIDE OF THE CONNECTING PIPE TO ENSURE STRUCTURAL INTEGRITY OF THE PRECAST BOX.
- A MAXIMUM OF TWO (2) SKEW/CORNER CONNECTIONS WILL BE ALLOWED FOR EACH PRECAST BOX INLET.
- REFER TO PRECAST CONCRETE ADJUSTING RING DETAIL AS REQUIRED

NOTES:

- 6" CONCRETE PRECAST OR POURED IN PLACE
- REFER TO BEDDING DETAIL AS REQUIRED
- VAR. PIPE SIZE
- 12" MAX STRAIGHT CONNECTIONS ONLY
- PIPE CONNECTION TO BE SEALED WITH NON-SHRINK GROUT
- REFER TO PRECAST CONCRETE ADJUSTING RING DETAIL AS REQUIRED

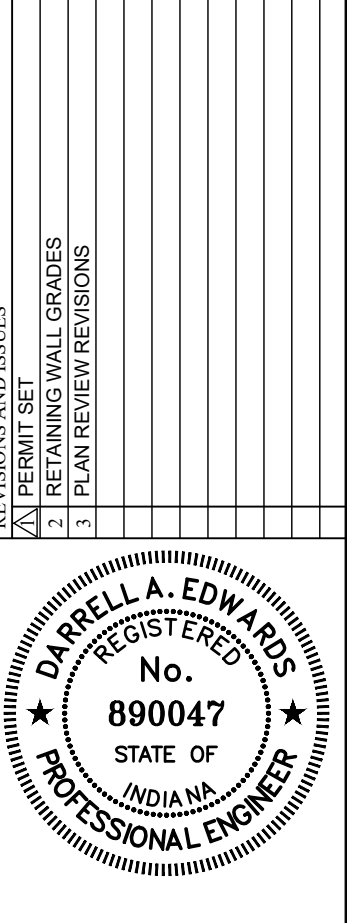
PAVED AREA INLET TYPE "E"
(NO SCALE)

PAVED AREA INLET TYPE "A"
(NO SCALE)

10505 N. College Avenue
Indianapolis, Indiana 46280
w@weihe.net
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800 | 452 - 6408
317 | 843 - 0546 fax

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PROJECT NO.	W220408
DATE	08/22/2023
BY	DEG
DATE	10/20/2023
DESIGNED BY	DEG
DRAWN BY	JM
CHECKED BY	BT
DATE	06/22/2022



DARRELL A. EDWARDS P.E. #890047

BID SET

PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
NWC OF US 96 & MT COMFORT ROAD, MCCORDSVILLE, IN 46065

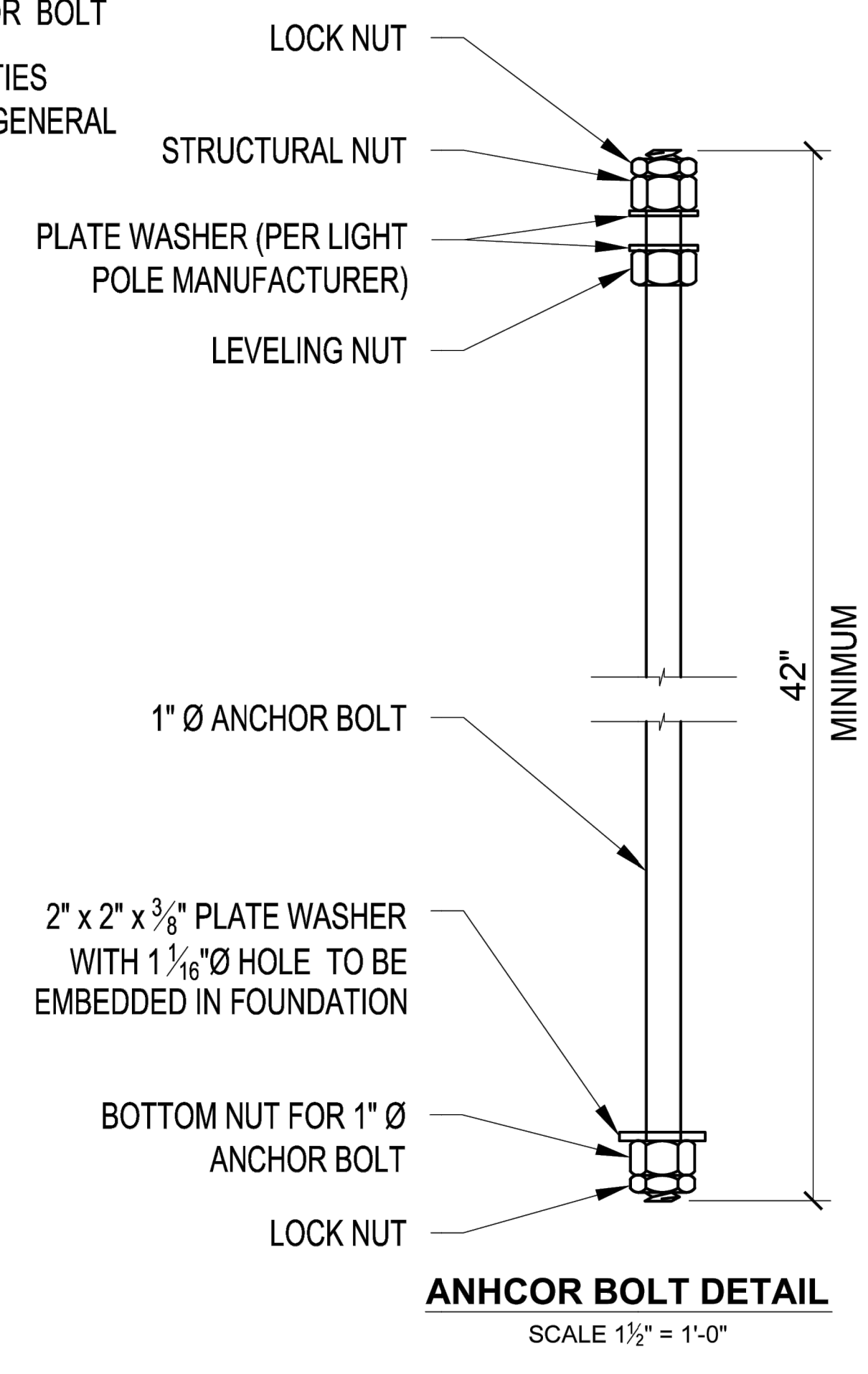
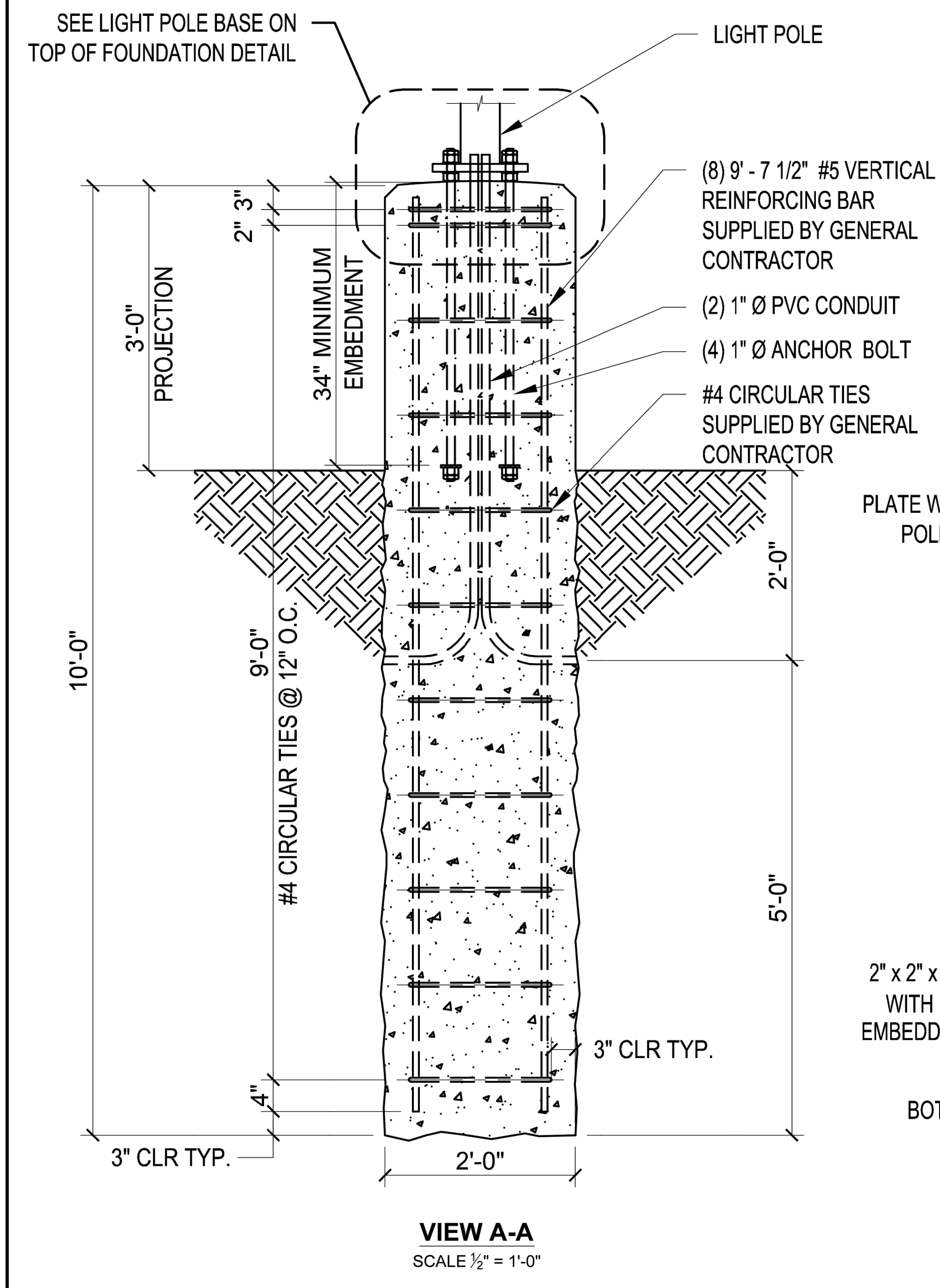
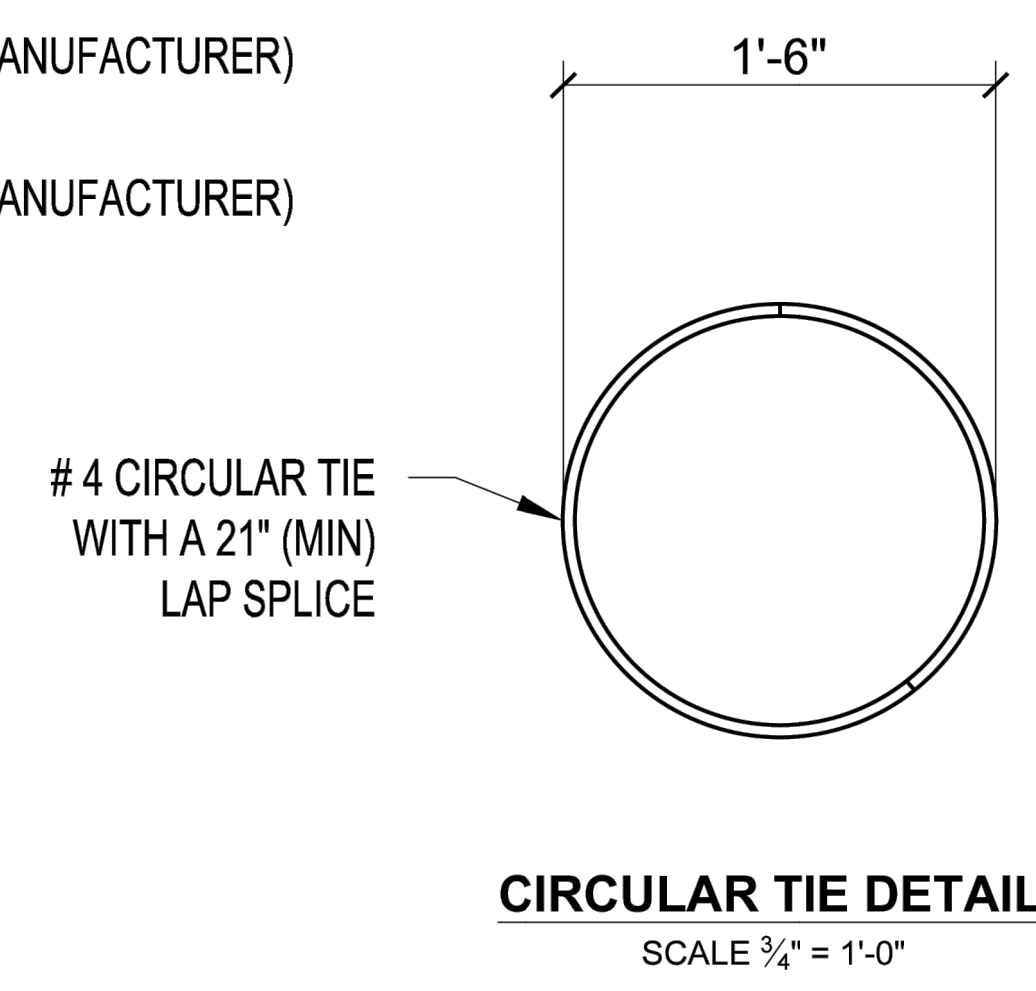
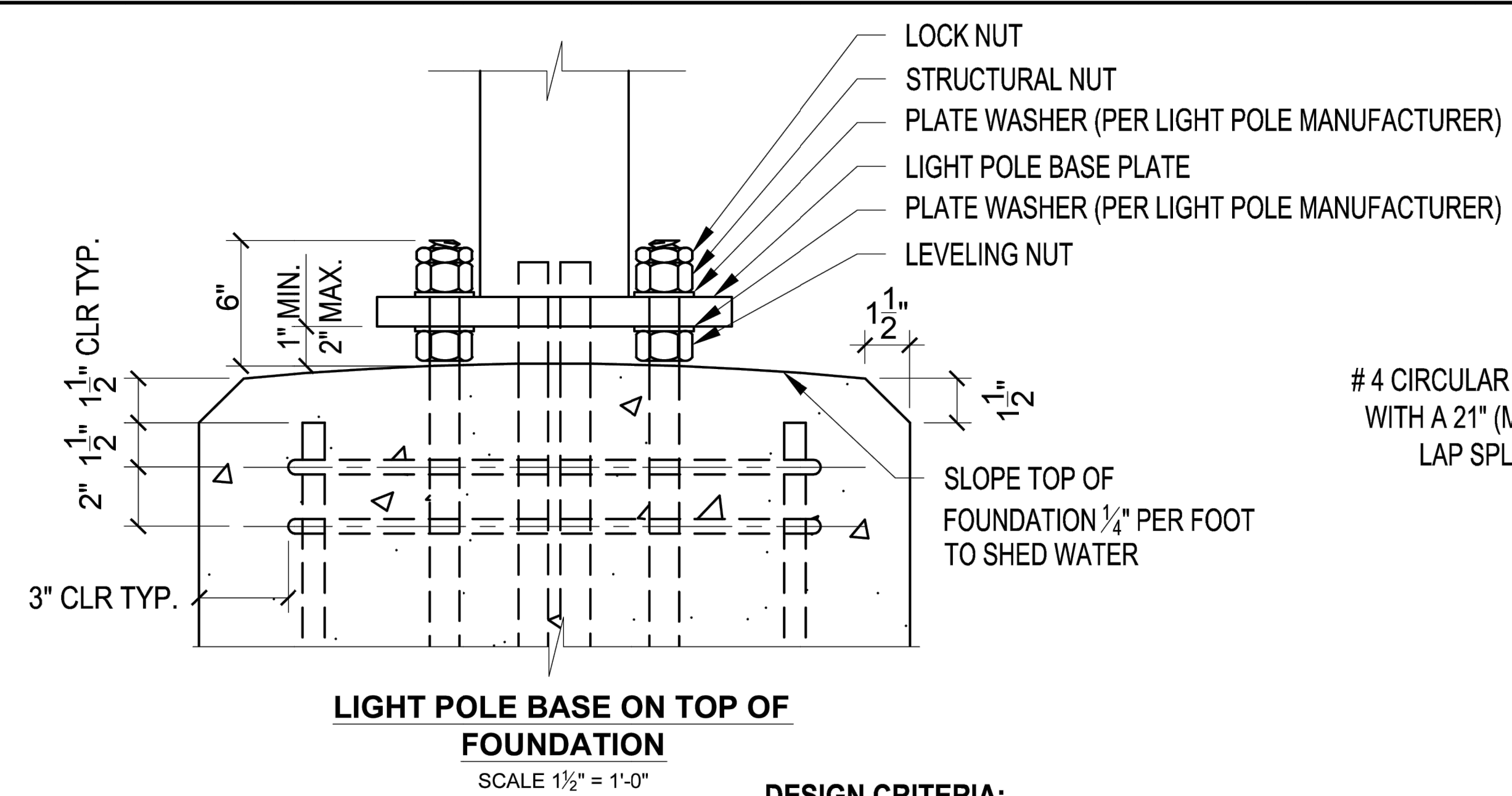
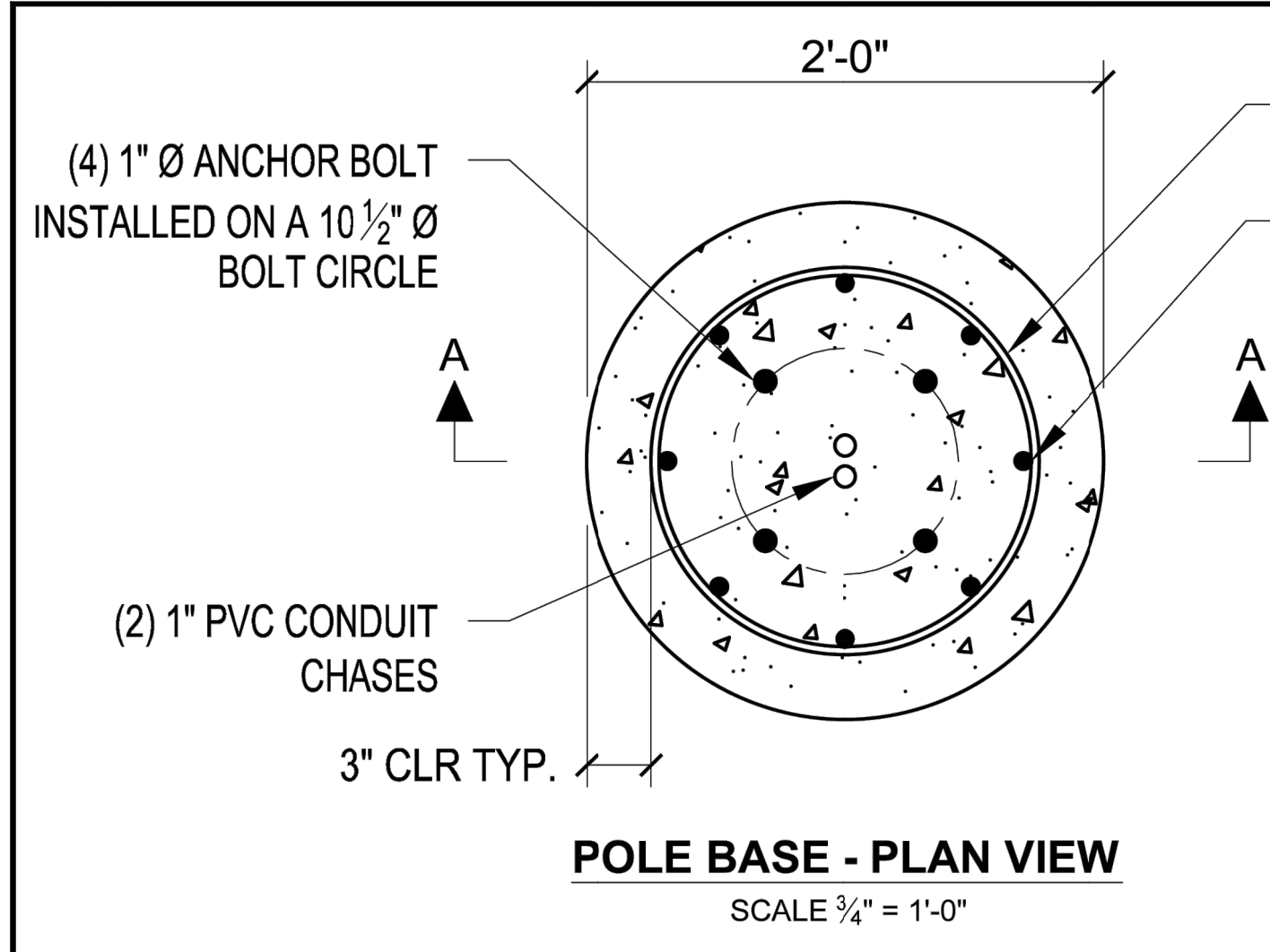
UTILITY DETAILS

PART OF SE4, SECTION 28, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA

SHEET NO.
C8.2

PROJECT NO.
W22.0408

LOCATION: ALV022, W220408, Engineering\Design\W220408 - C8.2, UTILITY, DETAILS.dwg
DATE/TIME: October 04, 2023 - 1:44pm
PLOT/DWG: gtr_gordon



DESIGN CRITERIA:

AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, FIFTH EDITION, 2009

FOUNDATION DESIGN PARAMETERS:

- MAXIMUM LIGHT POLE BASE REACTIONS:
 - BASE MOMENT = 16,845 lbs-ft
 - BASE SHEAR = 978 lbs
- MAXIMUM WIND SPEED (3 SECOND GUST) = 120MPH
- MINIMUM REQUIRED SOIL PARAMETERS:
 - COHESIVE SOILS:
 - SHEAR STRENGTH = 750 lbs/ft²
 - 6" MAXIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
 - COHESIONLESS SOILS:
 - ANGLE OF INTERNAL FRICTION = 27 DEGREES
 - WATER TABLE SHALL BE LOCATED BELOW THE BOTTOM OF THE FOUNDATION
 - 6" MAXIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
- THE SOILS REPORT SHALL BE REVIEWED BY THE ENGINEER OF RECORD TO CONFIRM THAT THE MINIMUM SOIL PARAMETERS ARE MET OR EXCEEDED BEFORE THIS DESIGN IS USED. IF THE MINIMUM SOIL PARAMETERS ARE NOT MET, THIS DESIGN SHALL NOT BE USED.
- THE ENGINEER OF RECORD SHALL REVIEW THE MAXIMUM BASE REACTIONS AND DESIGN WIND SPEED FOR THE LIGHT POLE TO BE INSTALLED TO DETERMINE IF THE FOUNDATION'S MAXIMUM DESIGN LOADS HAVE NOT BEEN EXCEEDED. THIS FOUNDATION DESIGN SHALL NOT BE USED IF THE MAXIMUM DESIGN LOADS OR WIND SPEED HAVE BEEN EXCEEDED.
- THIS FOUNDATION DESIGN SHALL NOT BE USED IN LOCATIONS WHICH ARE CLOSER THAN 8ft FROM A RETAINING WALL.
- THIS FOUNDATION DESIGN SHALL NOT BE USED AT LOCATIONS WHERE THE GROUND SLOPE EXCEEDS 4 inches per foot.

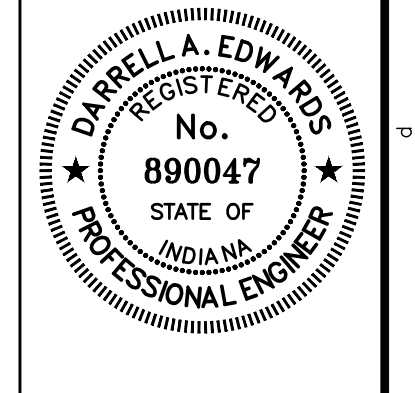
GENERAL NOTES:

- CONCRETE COMPRESSIVE STRENGTH (f_c) SHALL BE A MINIMUM OF 3000psi
- ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55, HOT DIP GALVANIZED PER ASTM F2329
- REINFORCING STEEL SHALL BE ASTM A615 GRADE 60, SUPPLIED BY GENERAL CONTRACTOR
- NUTS SHALL BE HEAVY HEX ASTM A563 GRADE DH, HOT DIP GALVANIZED PER ASTM A153
- PLATE SHALL BE ASTM A572 GRADE 50, HOT DIP GALVANIZED PER ASTM A153
- LOCK NUT SHALL BE HOT DIP GALVANIZED PER ASTM A153

10505 N. College Avenue
Indianapolis, Indiana 46280
weithe.net
317 | 846 - 6611
800 | 452 - 6408
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ALLAN H. WEIHE, P.E., L.S. - FOUNDER

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DATE	BY	PROJECT NO.	DESCRIPTION
08/22/2022	DEG	W220408	PERMIT SET
09/07/2023	DEG		2. RETAINING WALL GRADINGS
10/09/2023	DEG		3. PERMIT REVISIONS
			DESIGNED BY: DEG
			DRAWN BY: JM
			CHECKED BY: BT
			DATE: 06/22/2022

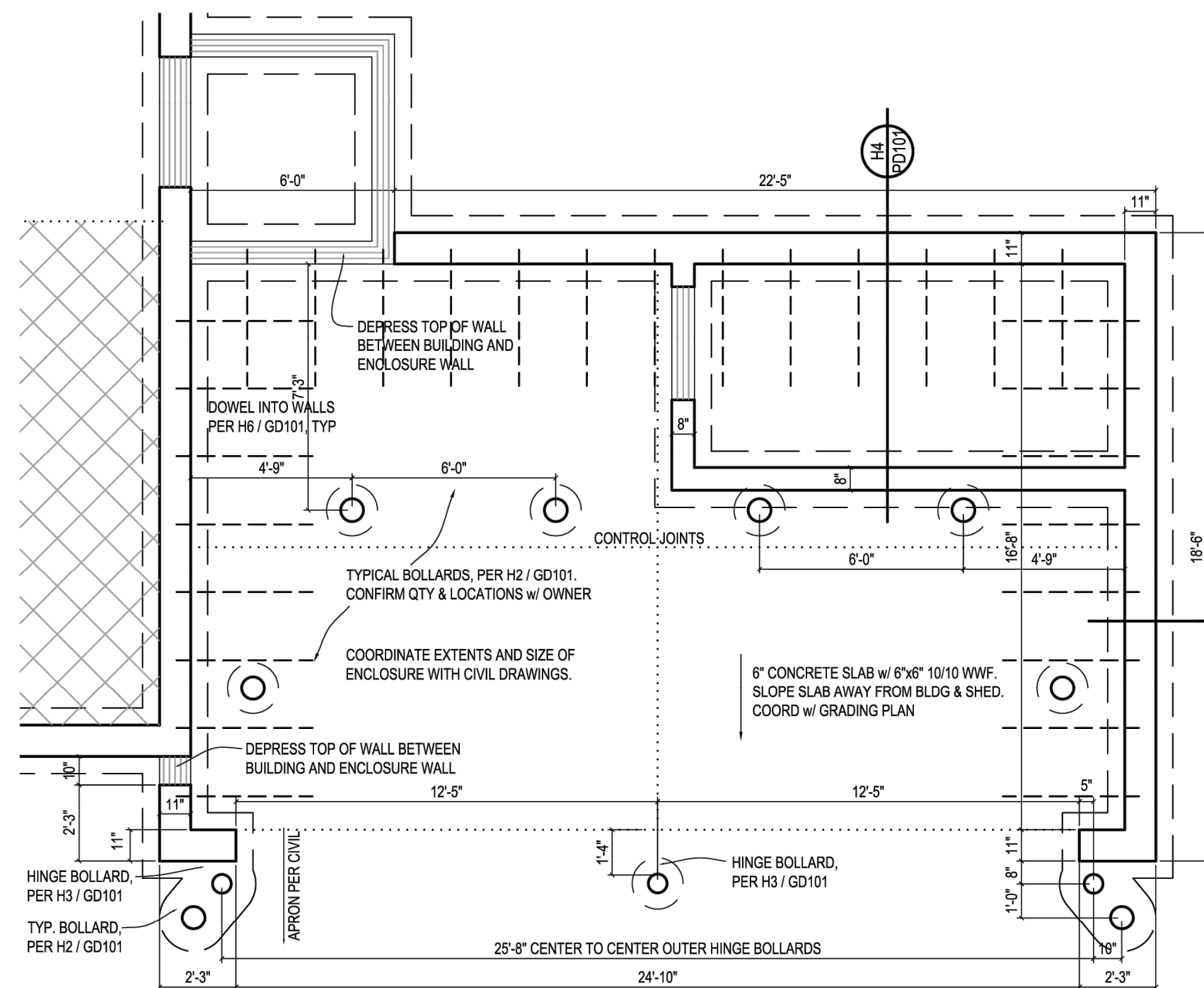


DARRELL A. EDWARDS P.E. #890047

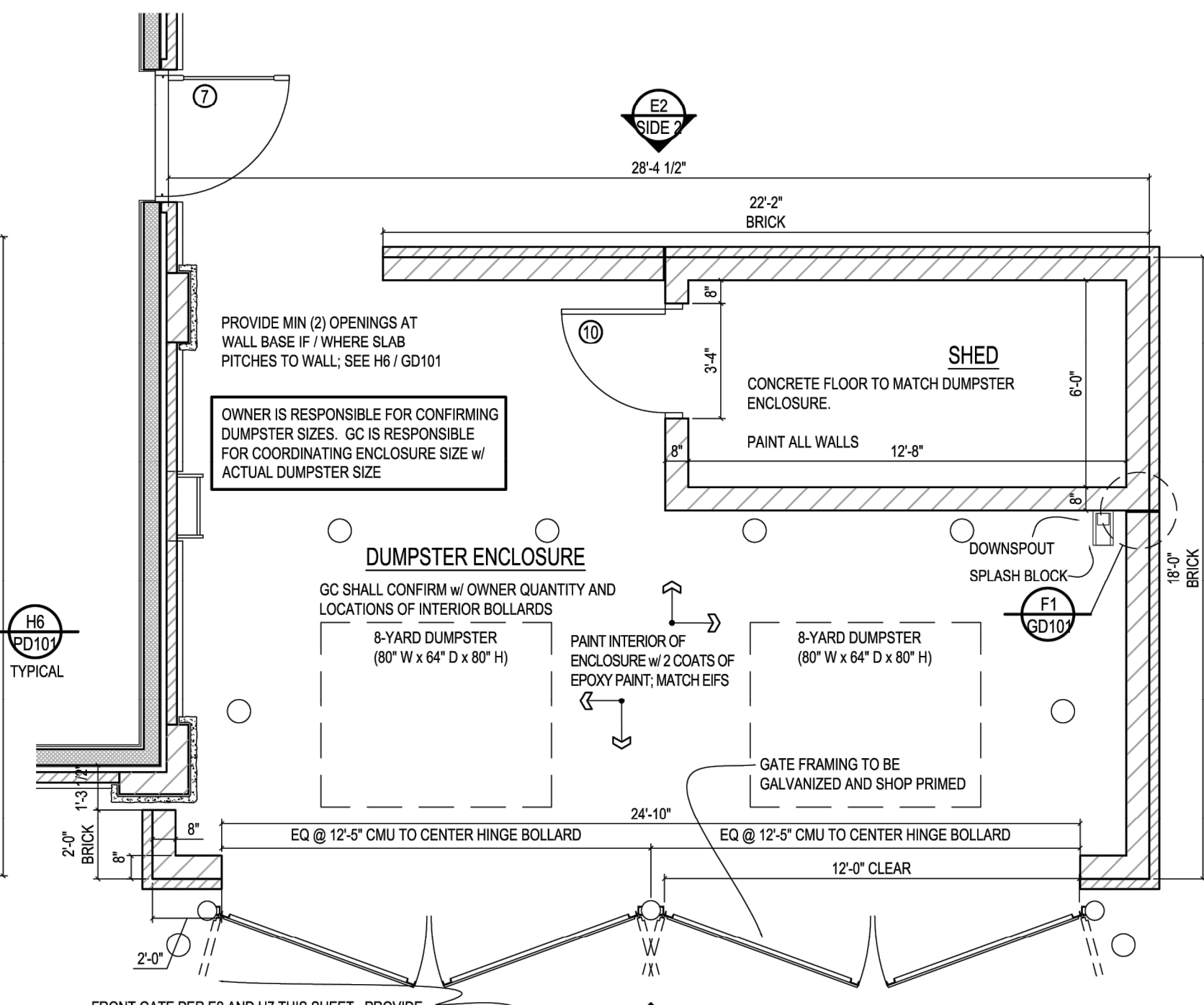
BID SET
PREPARED FOR:
CULVER'S MCCORDSVILLE, IN
NWC OF US 36 & MT COMFORT ROAD, MCCORDSVILLE, IN 46055
LIGHT POLE DETAILS
PART OF SEA, SECTION 26, TOWNSHIP 17 NORTH, RANGE 5 EAST, VERNON TOWNSHIP, HANCOCK COUNTY, INDIANA

SHEET NO.
C8.4
PROJECT NO.
W22.0408

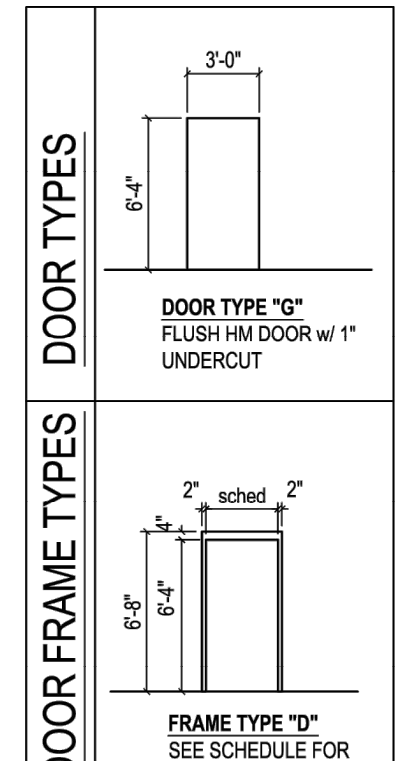
LOCATION: \\V022\W220408\Engineering\Design\Contract\W220408 - C8.4 LIGHT POLE DETAILS.dwg
DATE/TIME: October 09, 2023 - 1:45pm
PLOTTER: HP: groland



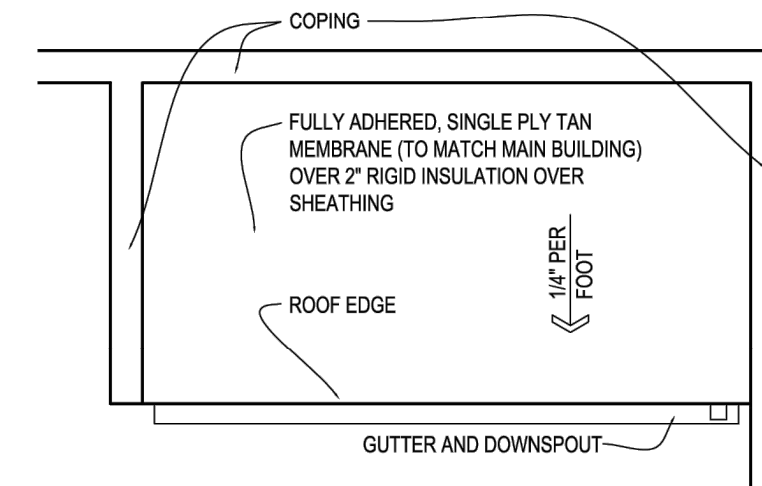
C2 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



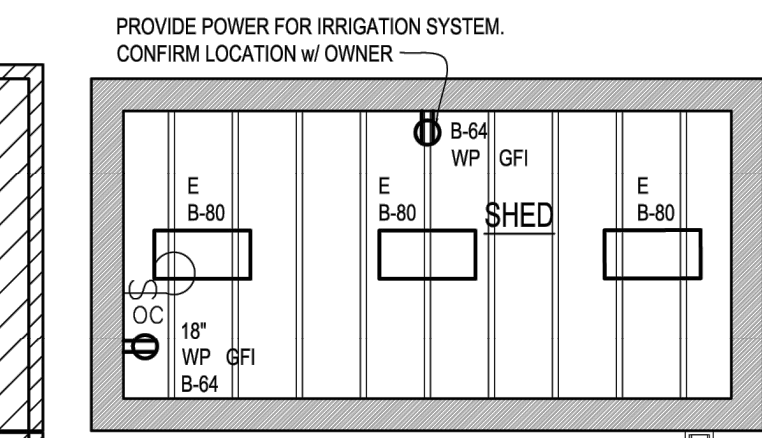
C3 FLOOR PLAN
SCALE: 1/4" = 1'-0"



C5 FRAMING PLAN
SCALE: 1/4" = 1'-0"



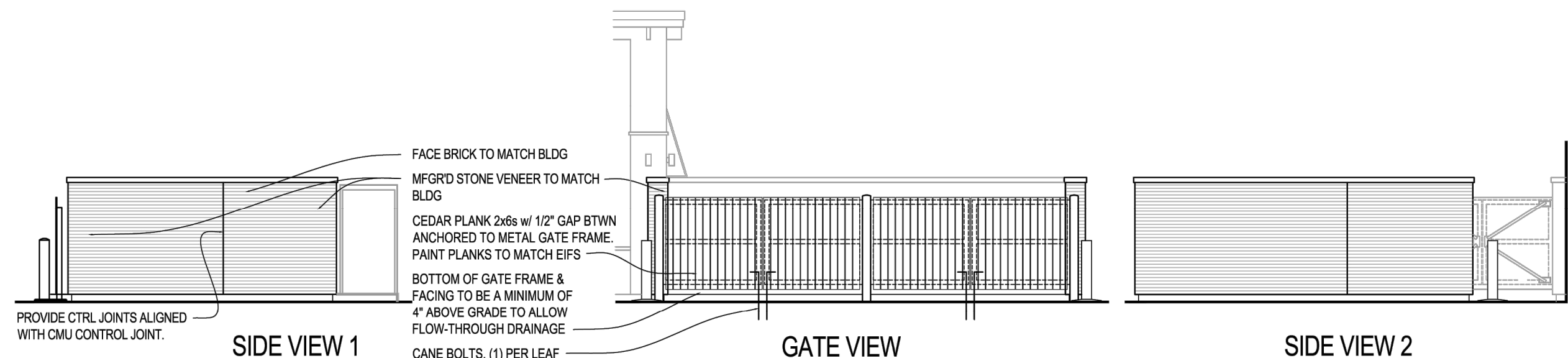
B6 ROOF PLAN
SCALE: 1/4" = 1'-0"



C6 CEILING PLAN
SCALE: 1/4" = 1'-0"

FIXTURE SCHEDULE

E	SHED LIGHT
E	LITHONIA LIGHTING LB2 20L E21 LPS3 NARC LED = 23 WATTS SURFACE MOUNT TO RAFTERS
WP	SINGLE POLE SWITCH
B	DUPLEX RECEPTACLE

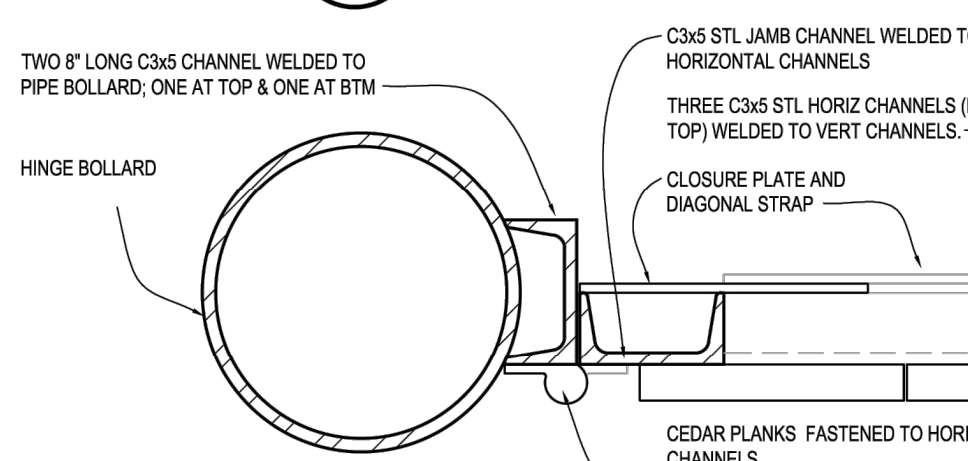


E2 ENCLOSURE ELEVATIONS
SCALE: 1/8" = 1'-0"

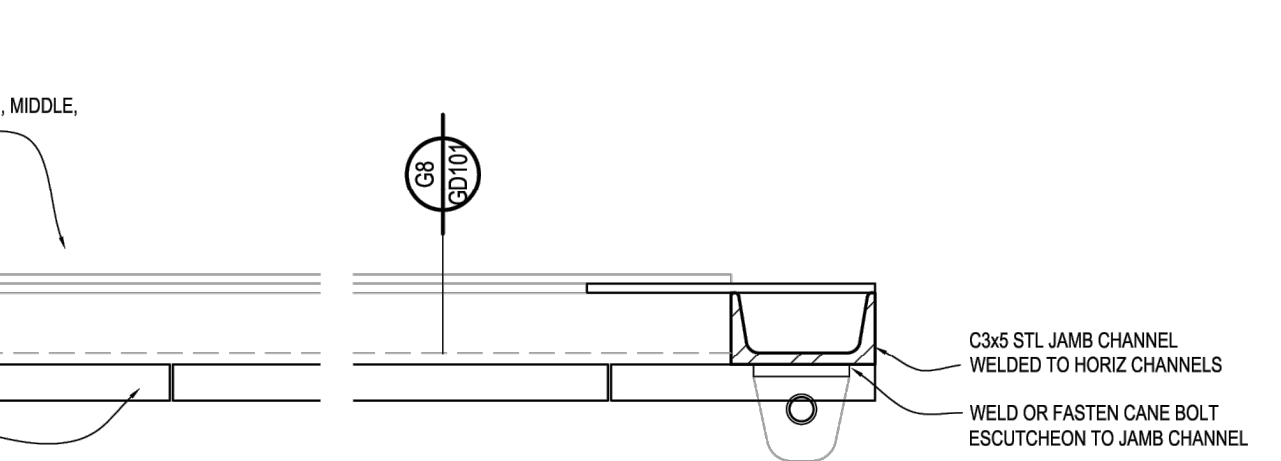
DOOR SCHEDULE

NO.	WIDTH	HGT	MATL	TYPE	MATL	TYPE	REMARKS:
10	36"	76"	HM	G	HM	D	HOLLOW METAL DOOR

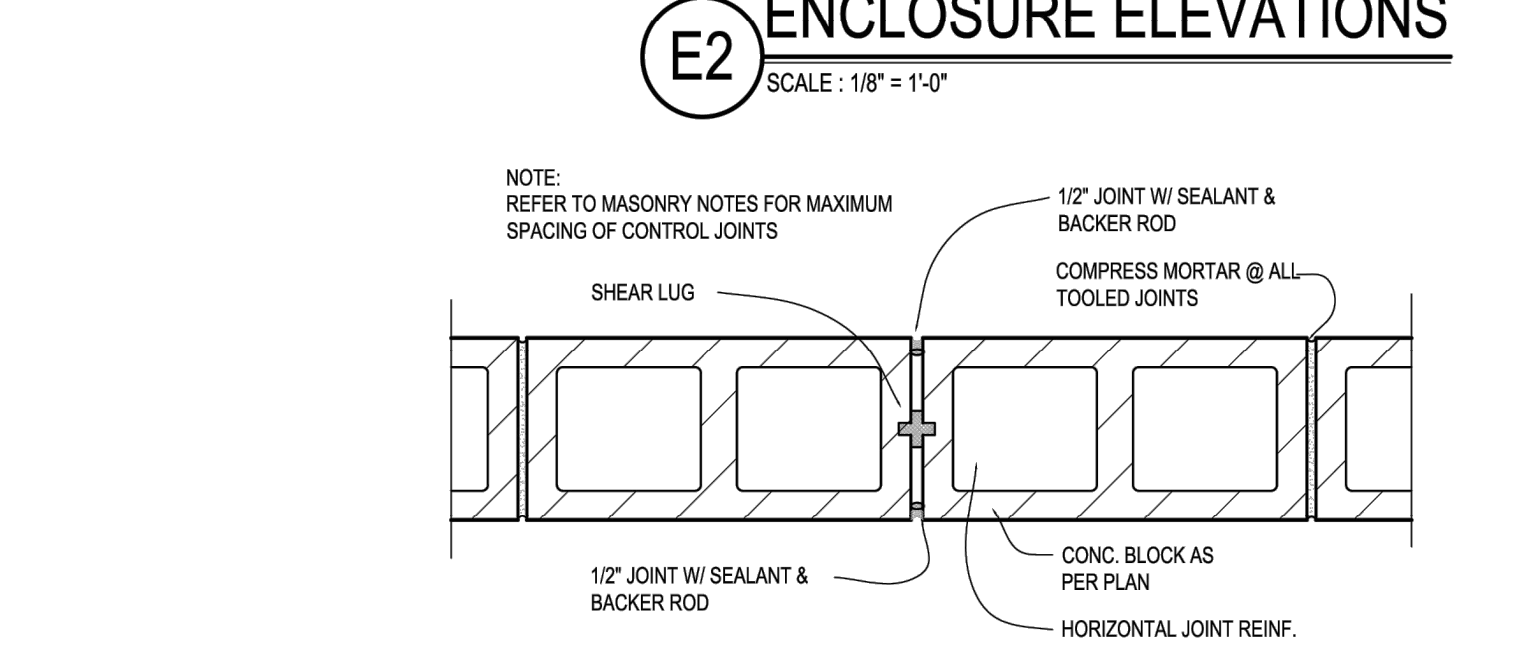
- HARDWARE:**
- HARDWARE GROUP 6: (DOOR 10)
 - HINGES: MCKINNEY MCK-HG305
 - CONTINUOUS HINGE SCHLAGE NDRP/D X RHO X 626X, KNURLED
 - LOCK: IVES LG12, US320
 - MISC: DRIP CAP - IVES 346C
 - SEE HARDWARE SUPPLIER CONTACT INFO ON SHEET A201
- DOOR NOTES:**
- ALL DOOR CLOSERS SHALL COMPLY W/ ANSI SECTIONS 404.2.7 & 404.2.8 AND FBC ACCESSIBILITY
 - THE MAXIMUM REQUIRED FORCE TO OPEN INTERIOR HINGED DOORS SHALL BE 5.0 LBS. AND SLIDING OR FOLDING DOORS SHALL BE 5.0 LBS. FIRE DOORS SHALL HAVE THE MINIMUM ALLOWABLE OPENING FORCE ALLOWED BY THE AUTHORITY HAVING JURISDICTION.
 - ALL LOCKS AND LATCHES SHALL BE LEVER TYPE, EXCLUDING PANIC HARDWARE ON PUSH SIDE WHERE SCHEDULED.
 - ALL DOOR CONTROLS SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR.
 - THRESHOLDS SHALL COMPLY W/ ANSI 404.2.4
 - REFER TO STANDARD MOUNTING HEIGHTS DETAIL FOR REQUIRED LOCATIONS OF HARDWARE AND SIGNAGE
 - HARDWARE SPECIFIED DEMONSTRATES DESIRED FUNCTIONS AND OPERATION. BLDG HARDWARE SUPPLIER SHALL COORDINATE OPERATIONS AND INSTALLATIONS AS REQ'D FOR COMPLETE AND OPERABLE SYSTEMS AT EACH OPENING.



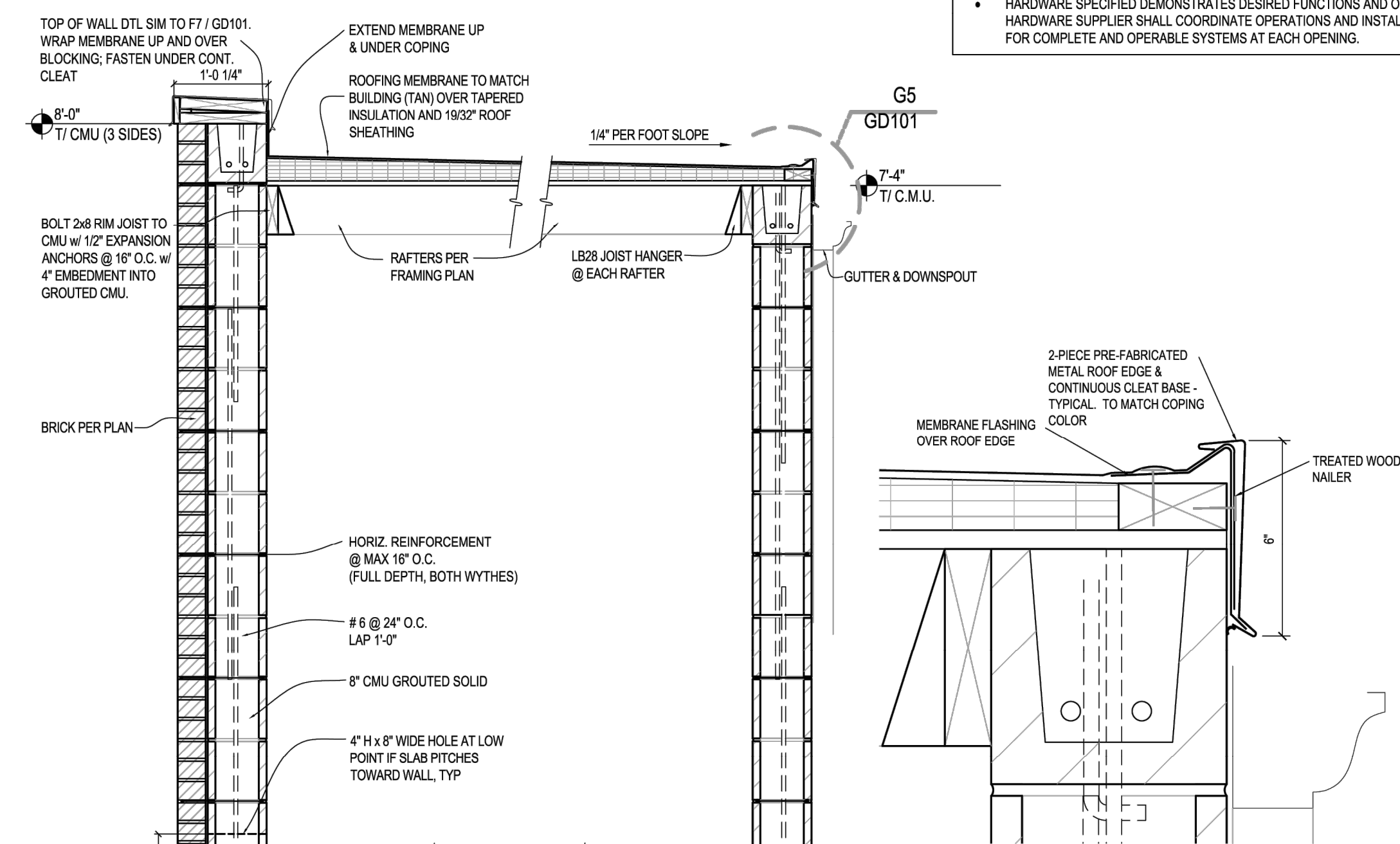
E7 HINGE DETAIL
SCALE: 1 1/2" = 1'-0"



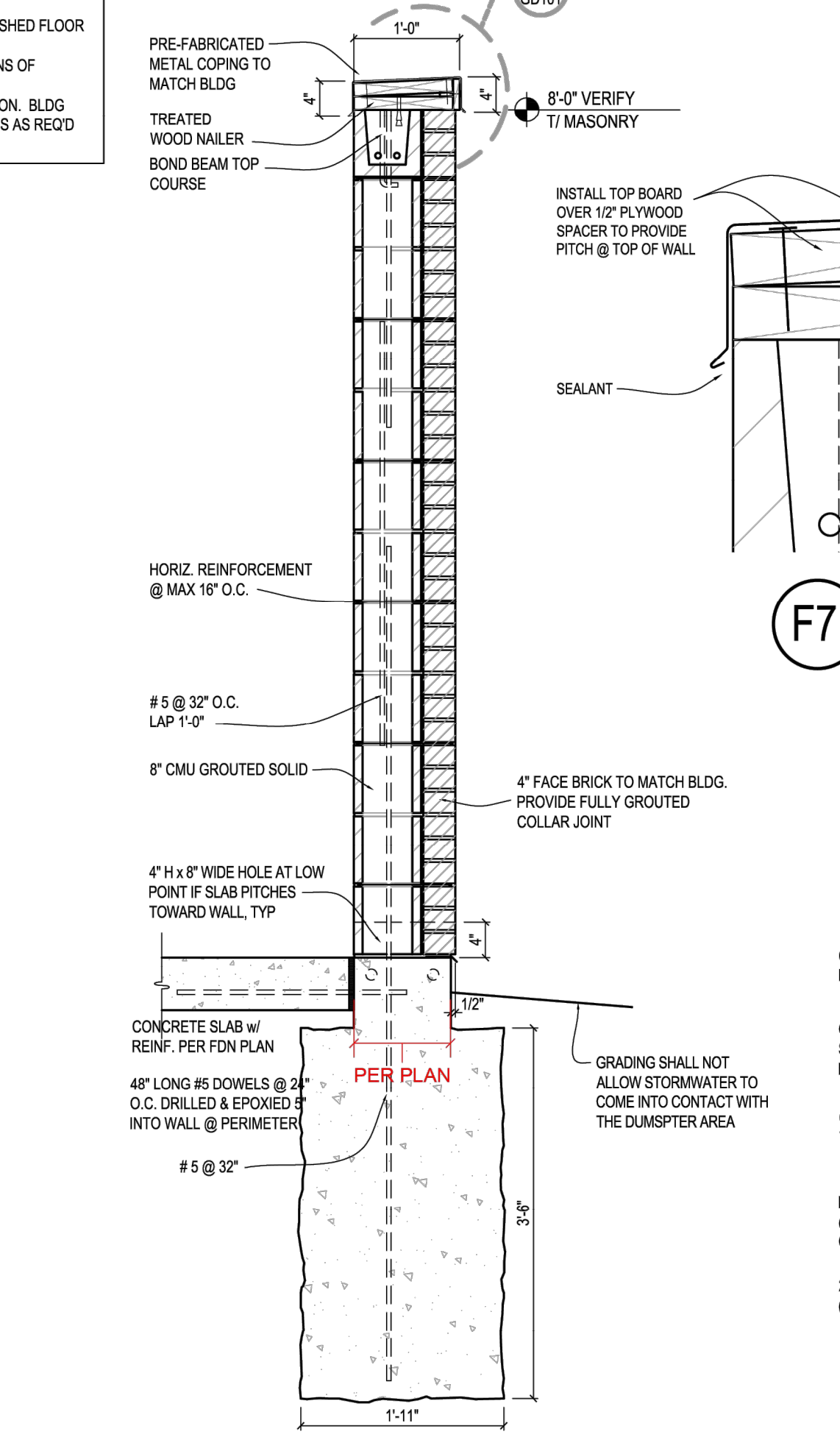
E8 SECT @ GATE MTG STILES
SCALE: 1 1/2" = 1'-0"



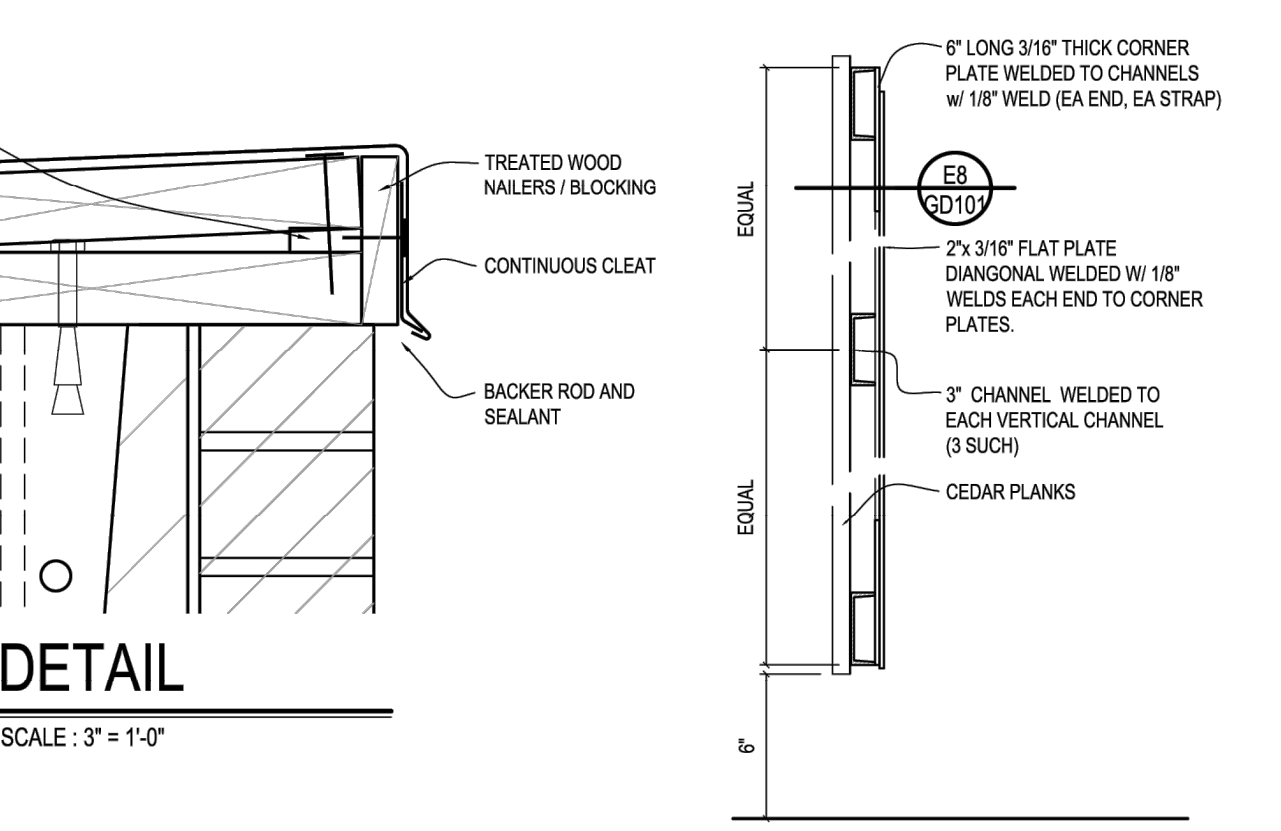
F1 CMU CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



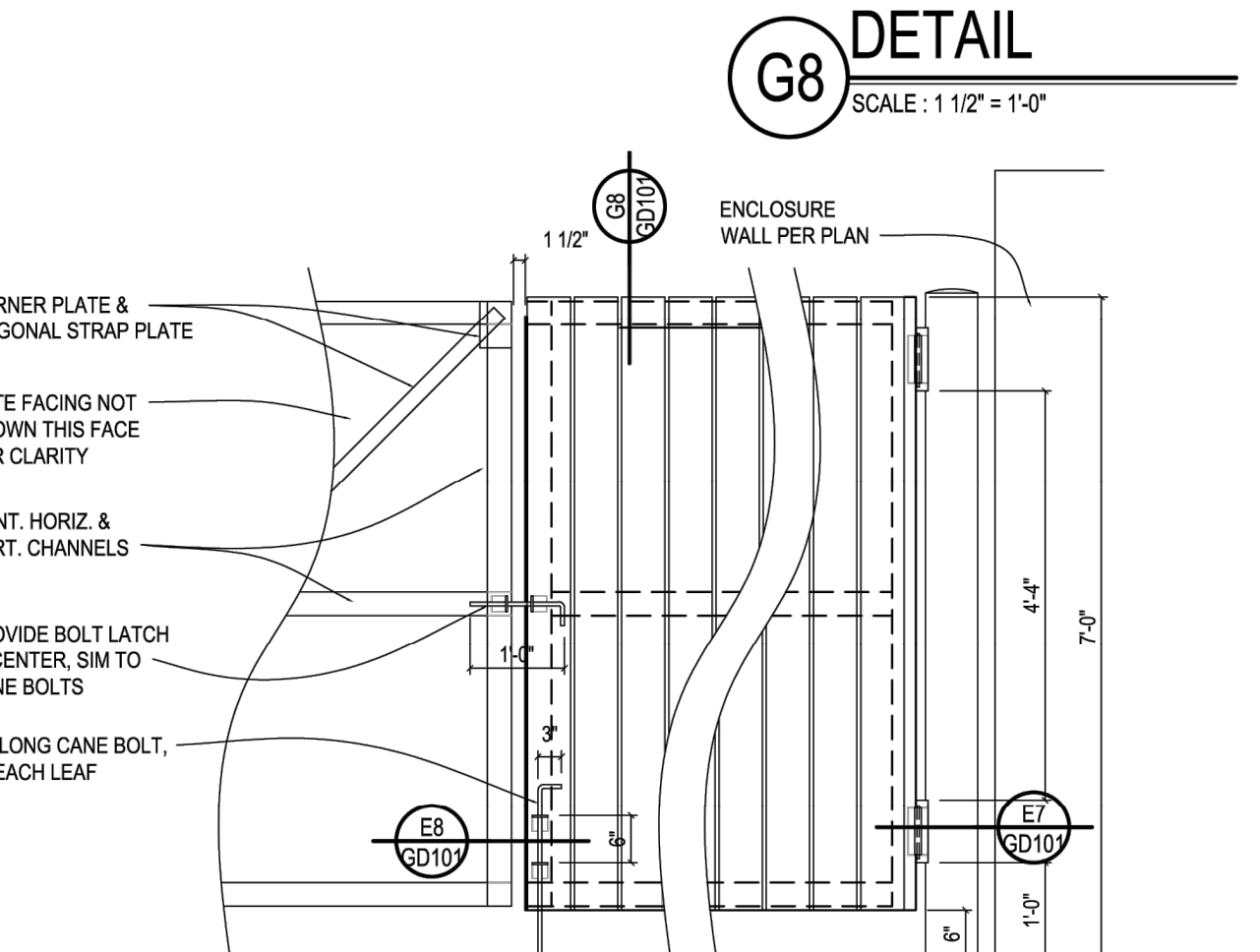
G5 FASCIA DETAIL
SCALE: 3/4" = 1'-0"



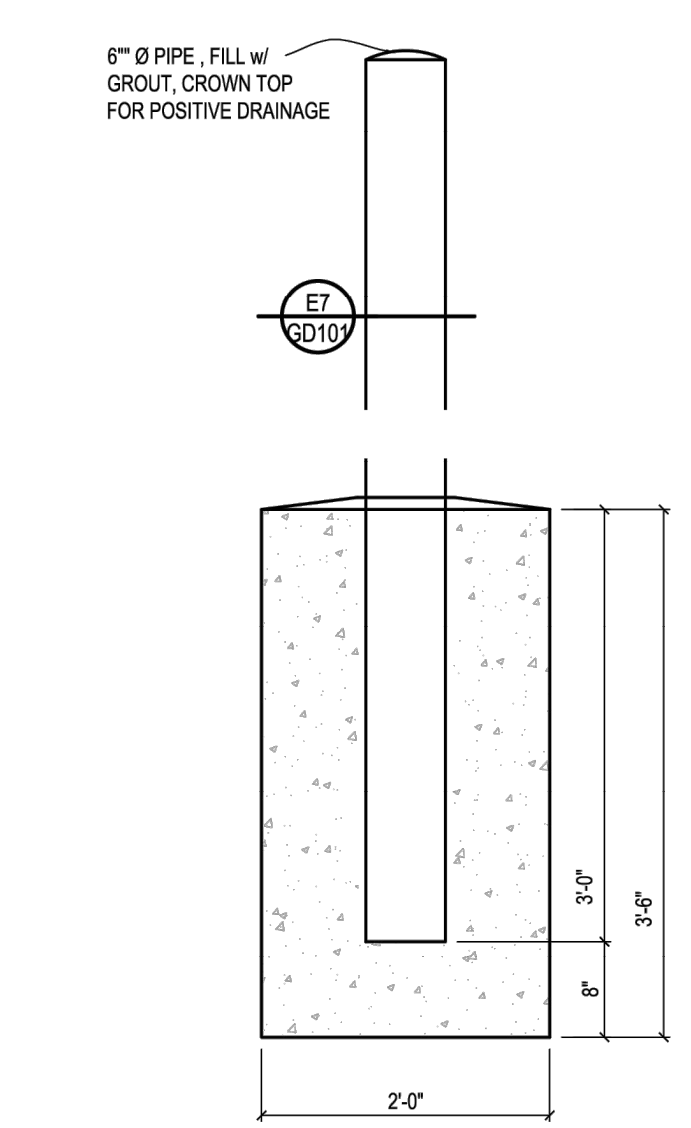
H6 ENCLOSURE WALL
SCALE: 3/4" = 1'-0"



F7 DETAIL
SCALE: 3" = 1'-0"

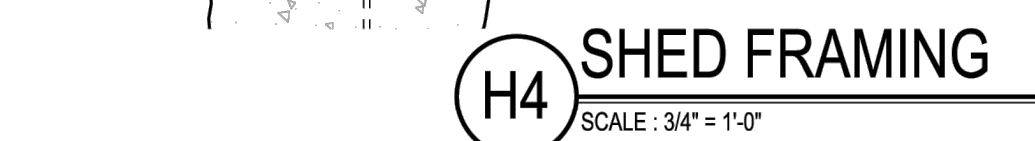


H7 ENCLOSURE GATE ELEV
SCALE: 1/2" = 1'-0"



H1 HINGE BOLLARD
SCALE: 3/4" = 1'-0"

H2 BOLLARD
SCALE: 3/4" = 1'-0"



H4 SHED FRAMING
SCALE: 3/4" = 1'-0"

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Bob Goins
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bgoins@indyculvers.com

OLLMANN ASSOCIATES ARCHITECTS, P.C.
200 South State Street
Belvidere, Illinois 61008
815-544-7790 Phone
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GARBAGE DUMPSTER

Revision: Date: 8-15-2023

2023-061

C8.5