

IMPROVEMENT PLANS

TACO BELL

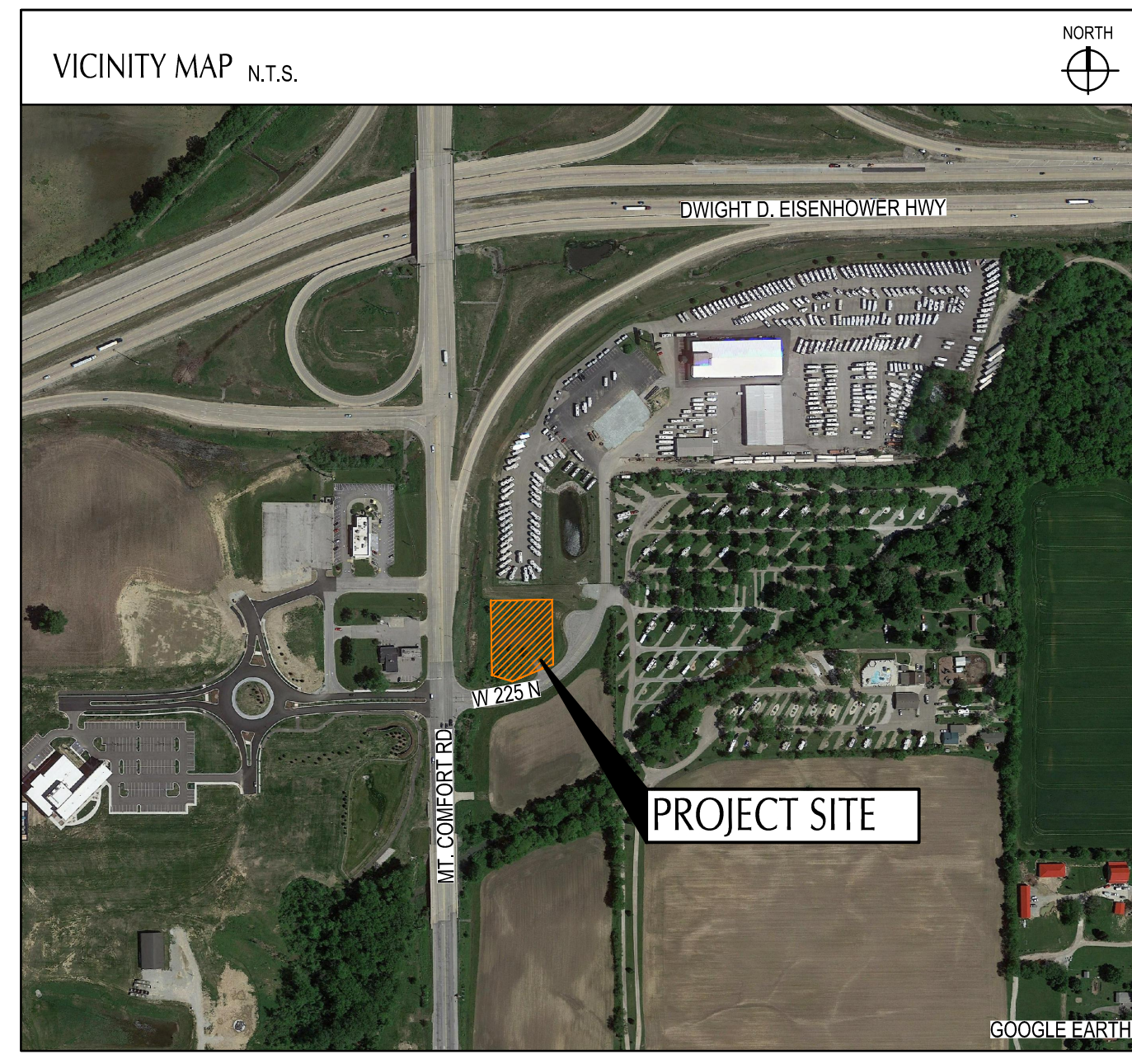
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140
APRIL 29, 2022

PROPOSED LEGEND

	PROPOSED CATCH BASIN
	PROPOSED STORM STRUCTURE
	PROPOSED CLEAN OUT
	PROPOSED SANITARY PUMP STATION
	PROPOSED EXTERIOR GREASE INTERCEPTOR
	PROPOSED ELECTRIC TRANSFORMER
	PROPOSED LIGHT POLE
	PROPOSED EDGE OF PAVEMENT
	PROPOSED CURB
	PROPOSED TRAFFIC SIGN
	PROPOSED GRASSED SWALE
	PROPOSED PAINTED ADA SYMBOL
	PROPOSED DIRECTIONAL PAVEMENT MARKINGS
	PROPOSED TRANSVERSE STRIPING
	PROPOSED CONCRETE
	PROPOSED STANDARD DUTY ASPHALT
	PROPOSED HEAVY DUTY ASPHALT

EXISTING LEGEND

	EXISTING IRON PIN FOUND AS NOTED
	EXISTING MONUMENT BOX FOUND AS NOTED
	5/8" x 30" REBAR WITH CAP "GPD" SET
	EXISTING LIGHT POLE
	EXISTING POWER POLE
	EXISTING POWER & LIGHT POLE
	EXISTING POWER, TELEPHONE & LIGHT POLE
	EXISTING ELECTRIC MANHOLE
	EXISTING SIGNAL POLE
	EXISTING SIGNAL PULL BOX
	EXISTING TRAFFIC MANHOLE
	EXISTING CATCH BASIN
	EXISTING CURB INLET
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING GAS VALVE
	EXISTING TELEPHONE PEDESTAL
	EXISTING TELEPHONE MANHOLE
	EXISTING POST OR BOLLARD
	EXISTING SIGN
	EXISTING CLEANOUT
	EXISTING GUY WIRE
	EXISTING CONCRETE PAD/AREA
	P/L EXISTING PROPERTY LINE
	R/W EXISTING RIGHT OF WAY LINE
	C/L EXISTING CENTER LINE
	OH EXISTING OVERHEAD UTILITY LINES
	GAS EXISTING UNDERGROUND GAS LINES
	ST EXISTING UNDERGROUND STORM LINES
	SAN EXISTING UNDERGROUND SANITARY LINES
	W EXISTING UNDERGROUND WATER LINES
	E EXISTING UNDERGROUND ELECTRIC LINES
	T EXISTING UNDERGROUND TELEPHONE LINES
	EXISTING CURB
	EXISTING BUSH
	EXISTING DECIDUOUS TREE
	000 EXISTING CONTOUR



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- INCLUDES SHEET CHANGES SPECIFIC TO REVISION #

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03/15/2022 - COUNTY AND UTILITY COMMENTS
04/01/2022 - COUNTY COMMENTS
04/18/2022 - ISSUED FOR BID

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW TACO BELL RESTAURANT WITH A DUAL DRIVE-THRU LANE, PARKING, AND SITE AMENITIES. THE EXISTING PARCEL IS CURRENTLY VACANT. THE SITE IS SURROUNDED BY WEST JOHN L. MDOGLIN DRIVE AND MT COMFORT RD. NORTH OF THE PROPERTY IS AN RV DEALERSHIP. EAST OF THE PROPERTY IS A CAMP GROUND.

INDIANA SPECIFICATION

THE STANDARD SPECIFICATIONS OF THE STATE OF INDIANA, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

PLAN REPRODUCTION WARNING
THE PLANS HAVE BEEN PREPARED FOR PRINTING ON ANSI D (34"x22") SHEETS. PRINTING ON OTHER SIZE SHEETS MAY DISTORT SCALES. REFER TO GRAPHIC SCALES.

OWNER
VERITAS REALTY
JAMISON DOWNS
6440 WESTFIELD BOULEVARD
INDIANAPOLIS, IN 46220

DEVELOPER
TACO BELL
JAMISON DOWNS
6440 WESTFIELD BOULEVARD
INDIANAPOLIS, IN 46220

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PAP/PM: JW/KB
DRAWN BY.: NDG
JOB NO.: 2021088.41

TACO BELL
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



ENDEAVOR 20

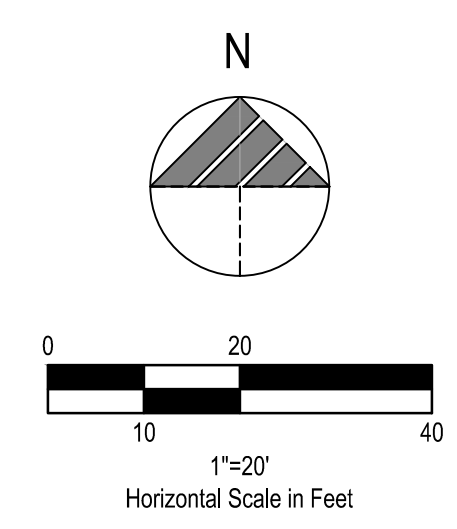
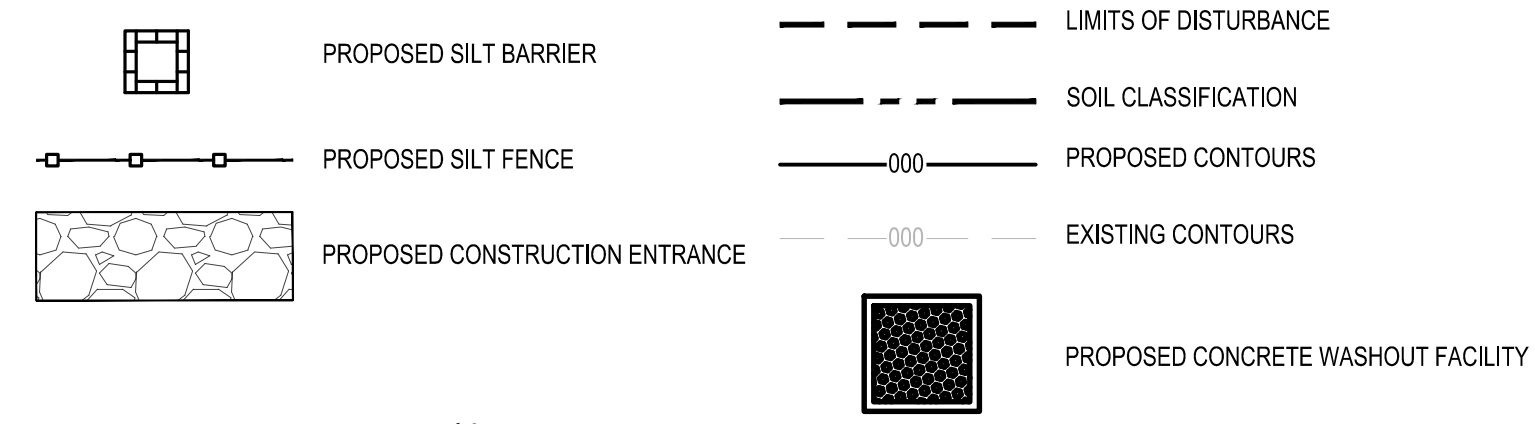
TITLE SHEET

C-000

PLOT DATE:



LEGEND



SWPP KEYNOTES

- TS TEMPORARY SEEDING
- PS PERMANENT SEEDING
- CW CONCRETE WASHOUT AREA
- OP OUTLET PROTECTION RIPRAP
- SF SILT FENCE
- CE1 CONSTRUCTION ENTRANCE PRIOR TO NEW CULVERT AND WALL BEING INSTALLED (EXISTING CULVERT UNDER ENTRANCE TO BE MAINTAINED UNTIL CE1 ENTRANCE IS REMOVED)
- CE2 CONSTRUCTION ENTRANCE ONCE NEW CULVERT AND WALL IS INSTALLED
- IP INLET PROTECTION
- LS LEVEL SPREADER
- RC ROCK CHECK DAM
- LD LIMITS OF DISTURBANCE

CONSTRUCTION SEQUENCE

1. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING.
- 1.1. INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG THE PERIMETER OF THE SITE, IT CAN BE UTILIZED. FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE.
- 1.2. DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE, IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 1.3. STAKE AND/OR FLAG LIMITS OF CLEARING.
- 1.4. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS.
- 1.5. INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.
- 1.6. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION AND CONSTRUCT AND MAINTAIN TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.
- 1.7. CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.
- 1.8. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- 1.9. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.
- 1.10. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.
- 1.11. DO NOT REPLACE ANY TOPSOIL. SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.
- 1.12. FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN LANDSCAPE INSTALLATION.
- 1.13. COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.
- 1.14. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
- 1.15. REMOVE SEDIMENT CONTROLS.

PROJECT DESCRIPTION

THIS SITE WAS HOME TO A VACANT LOT INCLUDING ONLY A DRIVEWAY, AND LANDSCAPING. THE IMPROVEMENTS TO THE SITE INCLUDE A NEW TACO BELL RESTAURANT BUILDING, NEW PARKING LOT, CONCRETE SIDEWALKS, STORM DRAINAGE SYSTEM, ALL APPURTENANT UTILITY CONNECTIONS, GRADING AND LANDSCAPING. THE EXISTING STORMWATER DRAINAGE FLOWS INTO AN EXISTING SWALE. THIS CONDITION IS MAINTAINED IN THE POST DEVELOPMENT.

PROJECT COMPLETION STATISTICS

PARCEL SIZE:	0.76 ACRES
TOTAL DISTURBED AREA:	1.31 ACRES
EXISTING LAND USE FOR THE SITE IS A VACANT LOT -	
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA:	0.00 ACRES
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT:	0%
PRE-CONSTRUCTION RUN-OFF CURVE NUMBER:	80
PROPOSED LAND USE WILL BE RETAIL RESTAURANT:	
ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA:	0.55 ACRES
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT:	72.4%
POST-CONSTRUCTION RUN-OFF CURVE NUMBER:	93

PROJECT LOCATION:

LATITUDE: 39.815923° LONGITUDE: -85.914295°

EXISTING SITE SOIL TYPES:

Mmb2: MIAMI SILT LOAM, 2% TO 6% SLOPES, ERODED
Mmd2: MIAMI SILT LOAM, 12% TO 18% SLOPES, ERODED
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

FLOOD INSURANCE RATE MAP (FIRM)

PANEL NUMBER: 18059C0108E
EFFECTIVE DATE: 03/17/2014
FLOOD ZONE: PARTIAL ZONE X - NO ESTABLISHED BFE
PARTIAL ZONE AE - ESTABLISHED BFE OF 843.2 (APPROXIMATE VALUE BASED ON FIRM MAP)

FIRST AND SUBSEQUENT RECEIVING STREAM:

INITIAL RECEIVING WATER IS AN EXISTING DRAINAGE DITCH LOCATED OUTSIDE THE PROPERTY AND THE SUBSEQUENT RECEIVING WATER IS BUCK CREEK.

POST CONSTRUCTION WQ / BMP DESCRIPTION

STORMWATER ON THE PROPOSED DEVELOPMENT WILL ENTER A HYDRODYNAMIC SEPARATOR PRIOR TO ENTERING AN UNDERGROUND DETENTION SYSTEM WHERE STORMWATER RUNOFF WILL BE CONTROLLED AND SLOWLY RELEASED INTO A GRASS SWALE.

OWNER CONTACT:

RANDALL JAY WEBBER
OWNER
5376 PRINCETON ROAD
LIBERTY TOWNSHIP, OH 45011
513-237-1444
WEBBERHOMESLLC@YAHOO.COM

PARTICIA ANN WEBBER

OWNER
5376 PRINCETON ROAD
LIBERTY TOWNSHIP, OH 45011
PATTY_WEBBER@YAHOO.COM

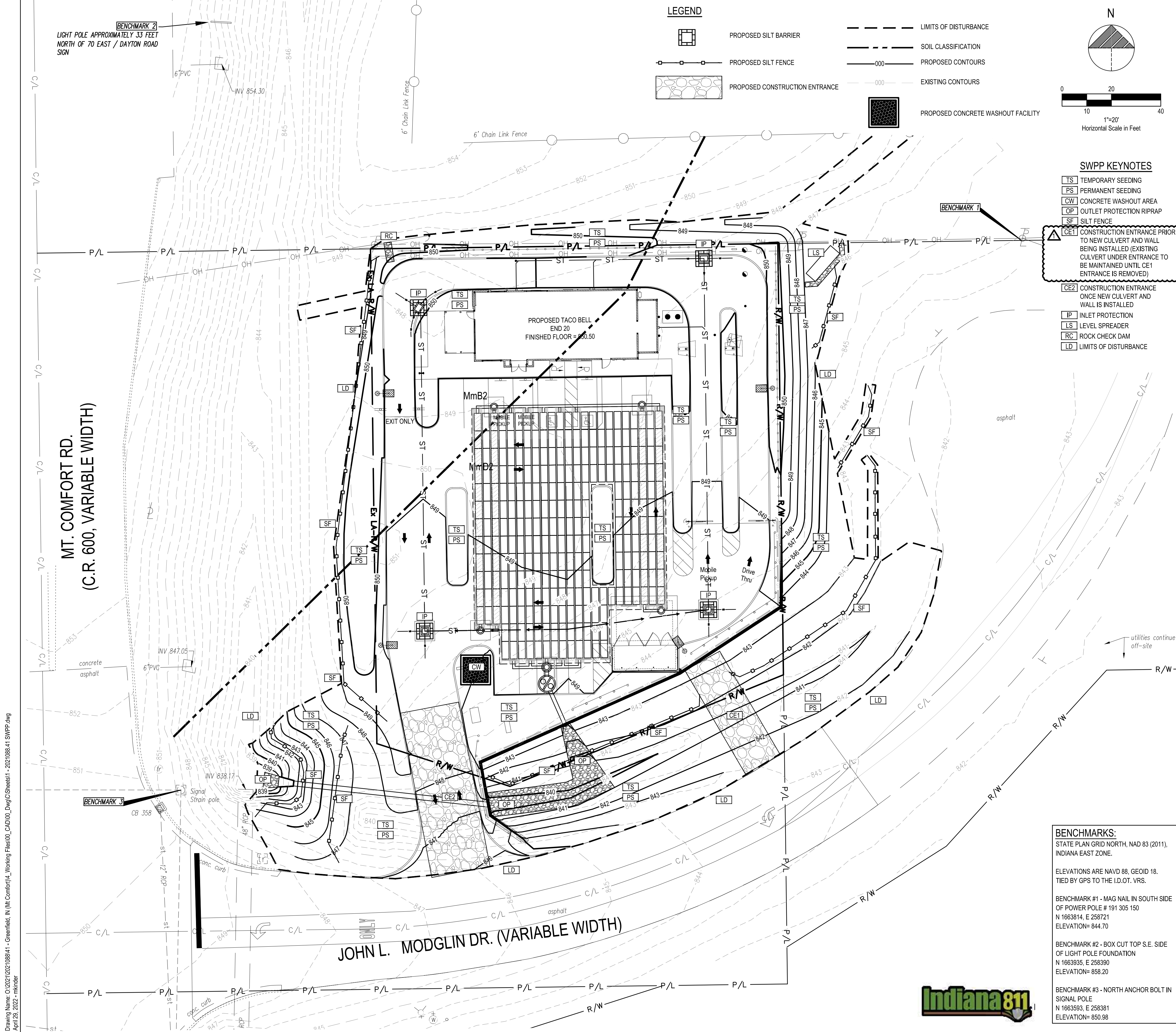
ANTICIPATED TIMING:

CONSTRUCTION BEGIN: TBD
CONSTRUCTION COMPLETE: TBD
CONTRACTOR: T.B.D.
CONTACT: _____
PHONE NUMBER: _____

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

BENCHMARKS:

STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE I.D.OT. VRS.
BENCHMARK #1 - MAG NAIL IN SOUTH SIDE OF POWER POLE # 191 305 150
N 1663814, E 258721
ELEVATION= 844.70
BENCHMARK #2 - BOX CUT TOP S.E. SIDE OF LIGHT POLE FOUNDATION
N 1663935, E 258390
ELEVATION= 858.20
BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE
N 1663593, E 258381
ELEVATION= 850.98



DATE	REMARKS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: _____
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
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PAP/M: JW/KB
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JOB NO.: 2021088.41

TACO BELL

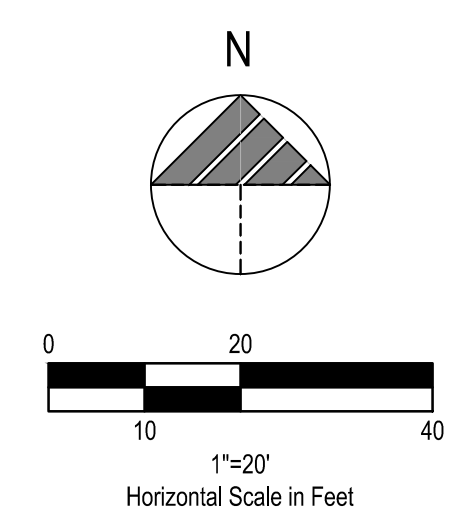
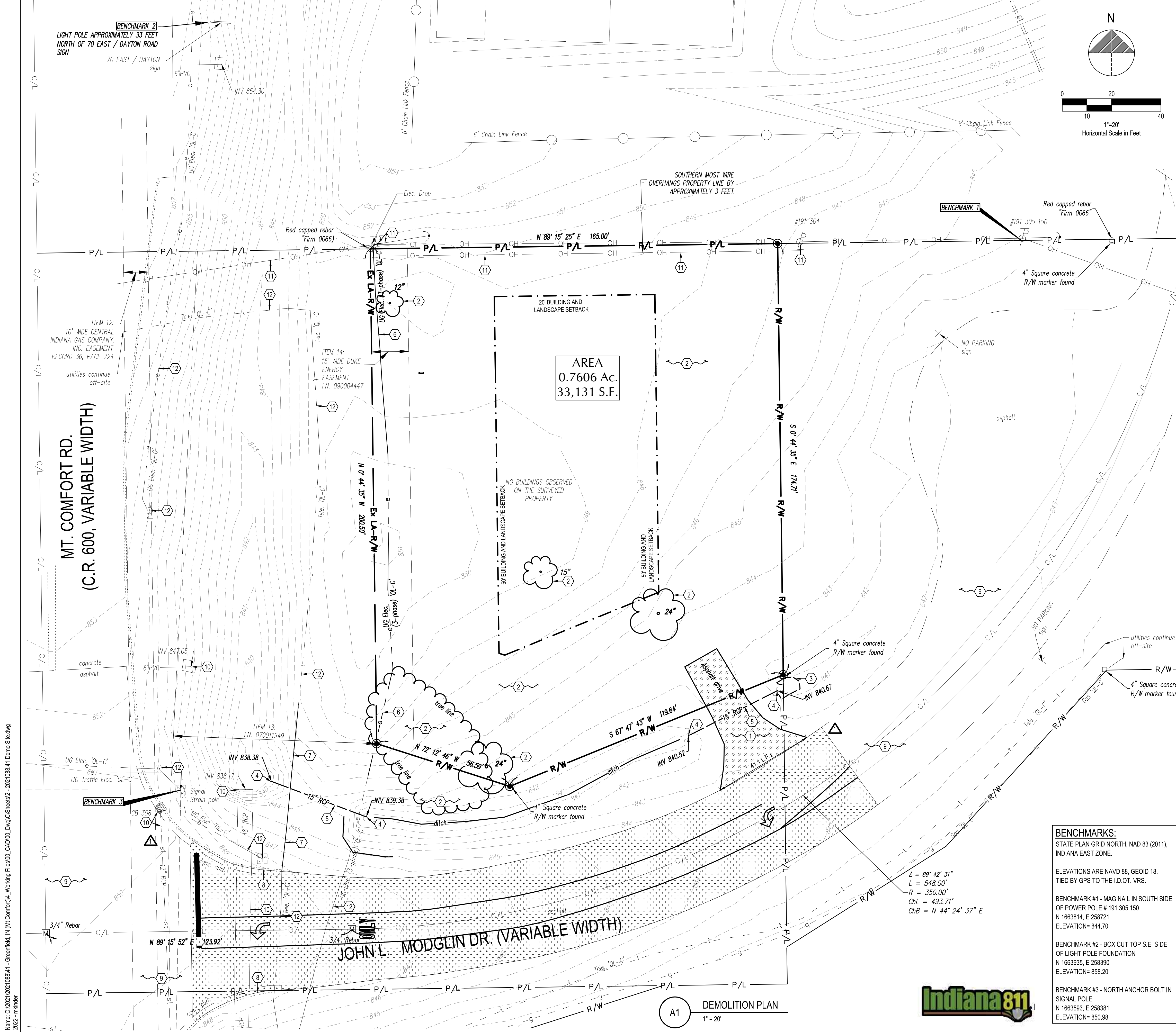
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



ENDEAVOR 20 SWPP PLAN

C-012

PLOT DATE: _____



PLAN KEYNOTES (6)

1. EXISTING PAVEMENT TO BE SAWCUT AND REMOVED.
2. EXISTING LANDSCAPING (INCLUDING BUSHES, TREES, ETC.) TO BE REMOVED.
3. EXISTING OUTLET PROTECTION (RIPRAP) TO BE REMOVED.
4. EXISTING HEADWALL TO BE REMOVED.
5. EXISTING CULVERT TO BE REMOVED.
6. EXISTING DUKE ENERGY DUCT BANK TO BE REMOVED AND RELOCATED WITHIN 15' EASEMENT AS REQUIRED TO ENSURE A MINIMUM COVER OF 48" IS ACHIEVED DURING CONSTRUCTION. MINIMUM COVER SHALL BE ACHIEVED PER PROPOSED GRADING ON SHEET C-121. CURRENT DEPTH OF LINE IS UNKNOWN, CONTRACTOR SHALL VERIFY DEPTH OF LINE PRIOR TO REMOVING AND RELOCATING LINE. IF CURRENT DEPTH OF LINE IS UNKNOWN, AND PROPOSED GRADING PROVIDES THE REQUIRED COVER, THE DUCT BANK SHALL REMAIN AS IS. ALL WORK TO BE COORDINATED WITH DUKE ENERGY.
7. EXISTING TELECOMMUNICATION DUCT BANK TO BE REMOVED AND RELOCATED AS REQUIRED TO ENSURE A MINIMUM COVER OF 48" IS ACHIEVED DURING CONSTRUCTION AND AVOIDING PROPOSED UTILITIES. MINIMUM COVER SHALL BE ACHIEVED PER PROPOSED GRADING ON SHEET C-121. CURRENT DEPTH OF LINE IS UNKNOWN, CONTRACTOR SHALL VERIFY DEPTH OF LINE PRIOR TO REMOVING AND RELOCATING LINE. ALL WORK TO BE COORDINATED WITH THE UTILITY COMPANY.
8. EXISTING CURB TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
9. EXISTING PAVEMENT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
10. EXISTING STORMWATER UTILITIES (HEADWALLS, CULVERTS, PIPES, CURB INLETS, ETC.) TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
11. EXISTING POWER POLES, OVERHEAD LINES, GUY WIRES, AND ASSOCIATED TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
12. EXISTING ELECTRIC AND TELECOMMUNICATION STRUCTURES, CONDUIT, AND ASSOCIATED TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.

DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING ASPHALT TO BE REMOVED
- DENOTES LIMITS OF SAWCUT
- DEMOLITION KEYNOTE
- EXISTING SURFACE TO BE CLEANED THOROUGHLY IN PREPARATION FOR PROPOSED OVERLAY PER INDOT STANDARDS AND SPECIFICATIONS.

EXISTING STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
CB 358	RIM = 850.30 12" RCP (S) = 845.70

BENCHMARKS:

STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
 ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE I.D.O.T. VRS.
 BENCHMARK #1 - MAG NAIL IN SOUTH SIDE OF POWER POLE # 191 305 150
 N 1663814, E 258721
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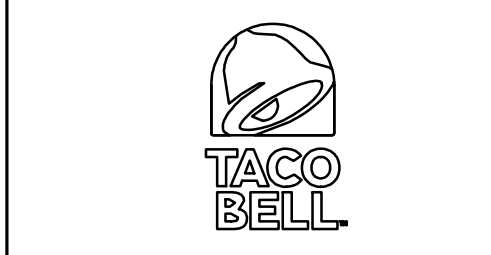
$\Delta = 89^\circ 42' 31"$
 $L = 548.00'$
 $R = 350.00'$
 $ChL = 493.71'$
 $ChR = N 44^\circ 24' 37" E$



DATE	REMARKS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE:
 BUILDING TYPE: END-20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PAV/PM: JW/KB
 DRAWN BY.: NDG
 JOB NO.: 2021088.41

TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140



ENDEAVOR 20
 DEMOLITION PLAN

C-101

PLOT DATE:

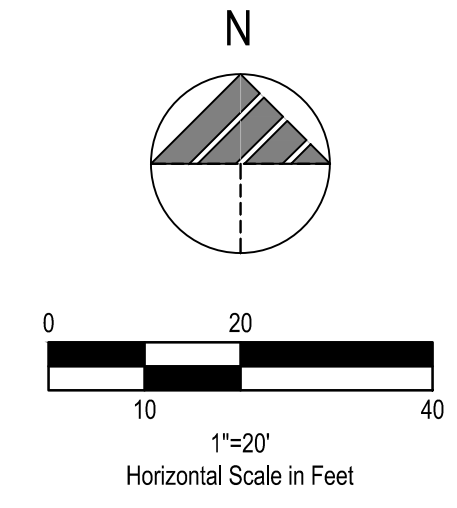
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 Apr 28, 2022 - mkindler



A1 DEMOLITION PLAN
 1" = 20'

PLAN KEYNOTES

- PROPOSED P.C.C. CURB, SEE SHEET C-501.
- PROPOSED CURB AT DRIVE THRU, SEE SHEET C-501.
- PROPOSED P.C.C. CURBED WALK, SEE SHEET C-501.
- PROPOSED 5" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
- PROPOSED 7" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
- PROPOSED BOLLARD IN CURB, SEE SHEET C-502.
- PROPOSED DETERRENT BOLLARD, SEE SHEET C-501.
- PROPOSED ADA PARKING SIGN, SEE SHEET C-501.
- PROPOSED "MOBILE ORDER PICKUP" SIGN PER SIGN SUPPLIER SPECIFICATIONS.
- PROPOSED LANDSCAPING AREA. SOD ALL DISTURBED AREAS EXCEPT WHERE PLANTING BEDS ARE INDICATED.
- PROPOSED "DO NOT ENTER" AND "STOP" SIGN PER INDOT STANDARDS. SEE SHEET C-501.
- PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET C-501.
- PROPOSED PAINTED 4" WIDE SOLID STRIPE - WHITE ON ASPHALT, YELLOW ON CONCRETE, BLUE FOR ADA.
- PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE. SEE SHEET C-501.
- PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS. SEE SHEET C-501.
- PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS. SEE SHEET C-501.
- PROPOSED FROST SLAB AT DOOR, SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION. SEE PLAN VIEW FOR MINIMUM SIZING.
- PROPOSED REFUSE ENCLOSURE ON P.C.C. PAD OVER CRUSHED AGGREGATE OR GRAVEL BASE. SEE ARCHITECTURAL PLANS. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
- PROPOSED PATIO, SEE ARCHITECTURAL PLANS.
- PROPOSED MONUMENT SIGN WITH A MAXIMUM 49.9 SF AREA UNDER SEPARATE PERMIT PER SIGN SUPPLIER SPECIFICATIONS. SIGN SUPPLIER SHALL DESIGN AND INSTALL FOUNDATION.
- PROPOSED CURB TAPER, SEE SHEET C-501.
- PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-502.
- PROPOSED MENU BOARD AND ORDER CONFIRMATION PER BOARD SIGN SUPPLIER SPECIFICATIONS. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL. SEE SHEET C-502.
- PROPOSED ORDER CONFIRMATION BOARD PER SIGN SUPPLIER SPECIFICATIONS. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL. SEE SHEET C-502.
- PROPOSED CONCRETE COLLAR, SEE SHEET C-503.
- PROPOSED 18" THICK INDOT "UNIFORM A" OUTLET PROTECTION RIP RAP. SEE PLAN VIEW FOR DIMENSIONS. SEE SHEET C-010.
- PROPOSED RETAINING WALL WITH PEDESTRIAN GUARD RAIL MOUNTED ON TOP. SEE SHEET C-502 FOR PEDESTRIAN GUARD RAIL. REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- PROPOSED VEHICULAR INDOT MSG GUARD RAIL SYSTEM WITH TIMBER POSTS AND CABLE TERMINAL ANCHORING PER INDOT STANDARDS AND SPECIFICATIONS. SEE SHEET C-504.
- PROPOSED ROCK CHECK DAM, SEE SHEET C-011.
- PROPOSED LEVEL SPREADER, SEE SHEET C-011.
- PROPOSED WAY FINDING SIGN PER SIGN SUPPLIERS SPECIFICATIONS. SIGN SUPPLIER SHALL DESIGN AND INSTALL FOUNDATION.
- PROPOSED 6' TALL TREX FENCING, SEE SHEET C-504.
- PROPOSED 4" WIDE PAINTED LANE LINE TO MATCH EXISTING PER INDOT STANDARDS AND SPECIFICATIONS.
- PROPOSED DIRECTIONAL PAVEMENT MARKINGS TO MATCH EXISTING PER INDOT STANDARDS AND SPECIFICATIONS.
- PROPOSED PAINTED STOP BAR TO MATCH EXISTING PER INDOT STANDARDS AND SPECIFICATIONS.
- EXISTING MONUMENT BOX TO BE ADJUSTED TO PROPOSED GRADE PER INDOT STANDARDS AND SPECIFICATIONS.
- PROPOSED BIKE RACK, SEE SHEET C-502.



LEGEND

- PROPOSED STANDARD DUTY ASPHALT PER ASPHALT PAVEMENT TABLE THIS SHEET AND SHEET C-501.
- PROPOSED HEAVY DUTY ASPHALT PER ASPHALT PAVEMENT TABLE THIS SHEET AND SHEET C-501.
- PROPOSED CONCRETE
- PROPOSED 1-1/2" INDOT 402 SURFACE OVERLAY PER INDOT STANDARDS AND SPECIFICATIONS.
- CONSTRUCTION KEYNOTE
- PROPOSED PARKING SPACE NUMBER
- PROPOSED DRIVE THRU STACK CAR AND NUMBER
- PROPOSED UTILITY STRUCTURES. REFER TO UTILITY PLANS FOR ADDITIONAL INFORMATION.

DATE	REMARKS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/04/2022	REVISION #2 - COUNTY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: _____
 BUILDING TYPE: END20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PAV/M: JW/KB
 DRAWN BY.: NDG
 JOB NO.: 2021088.41

TACO BELL

5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140

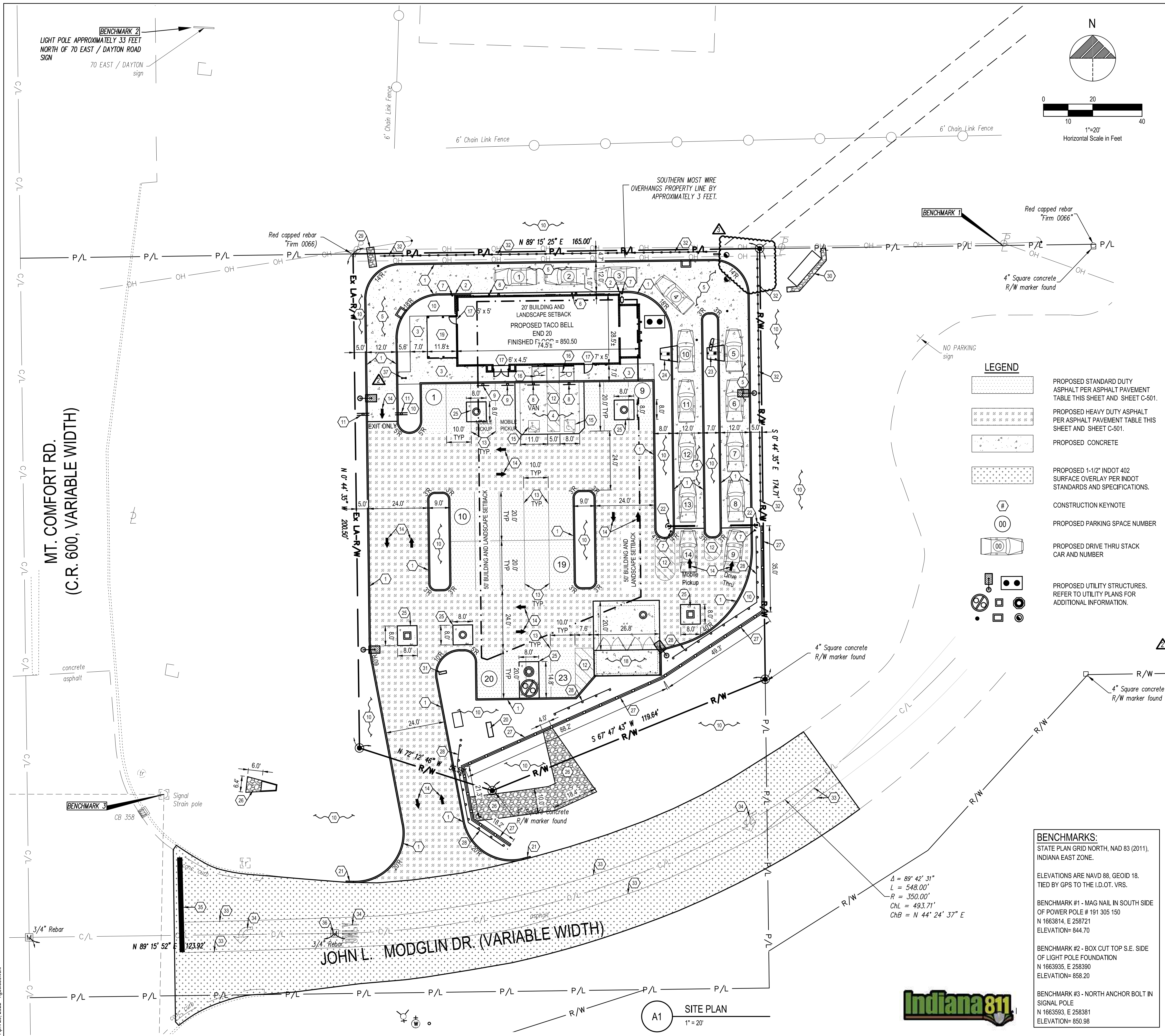


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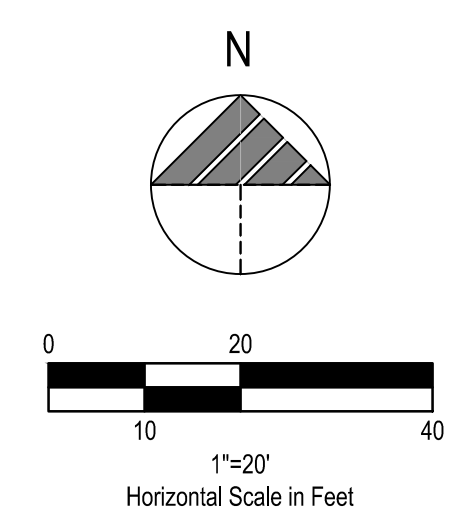
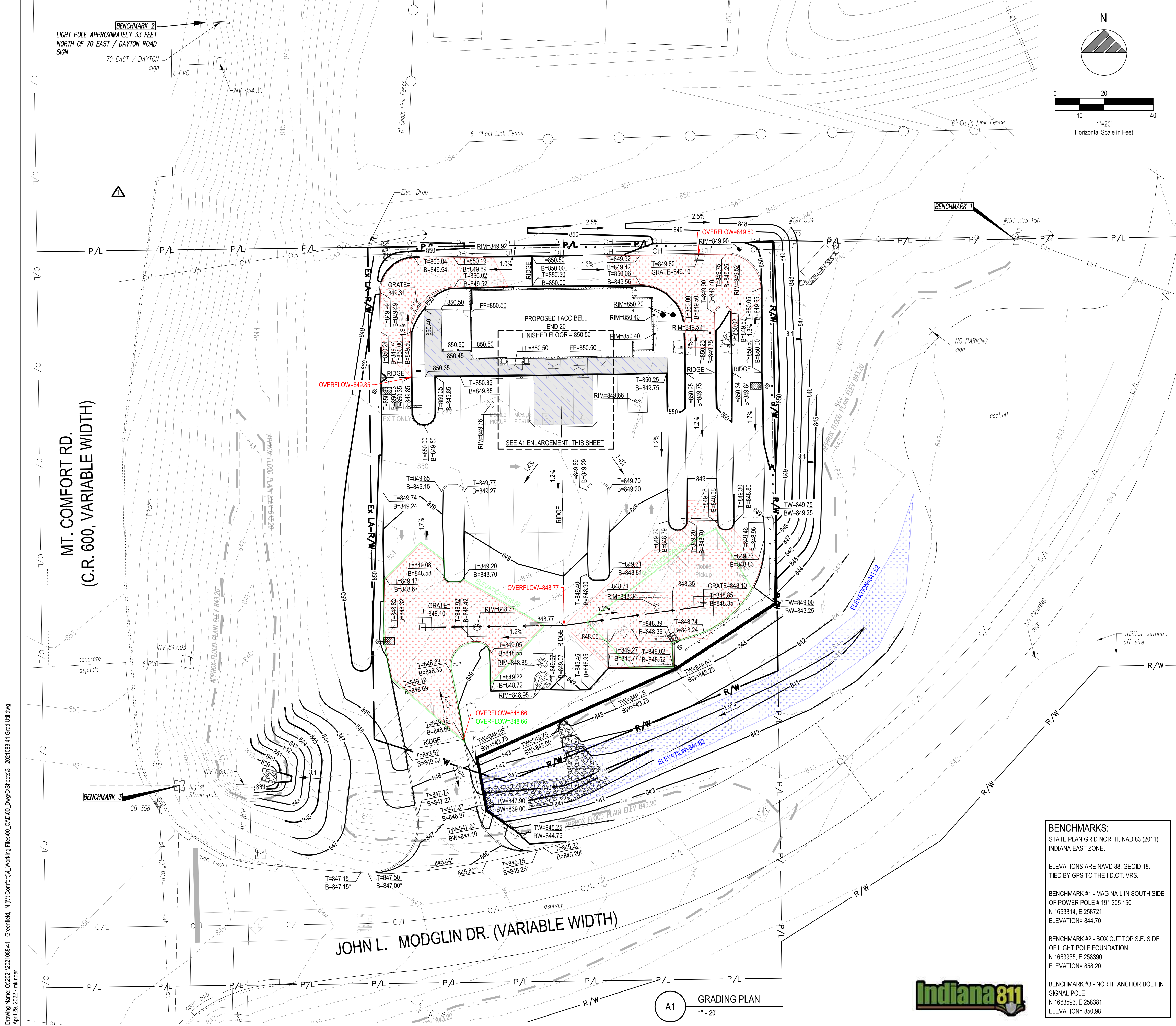
SITE PLAN

C-111

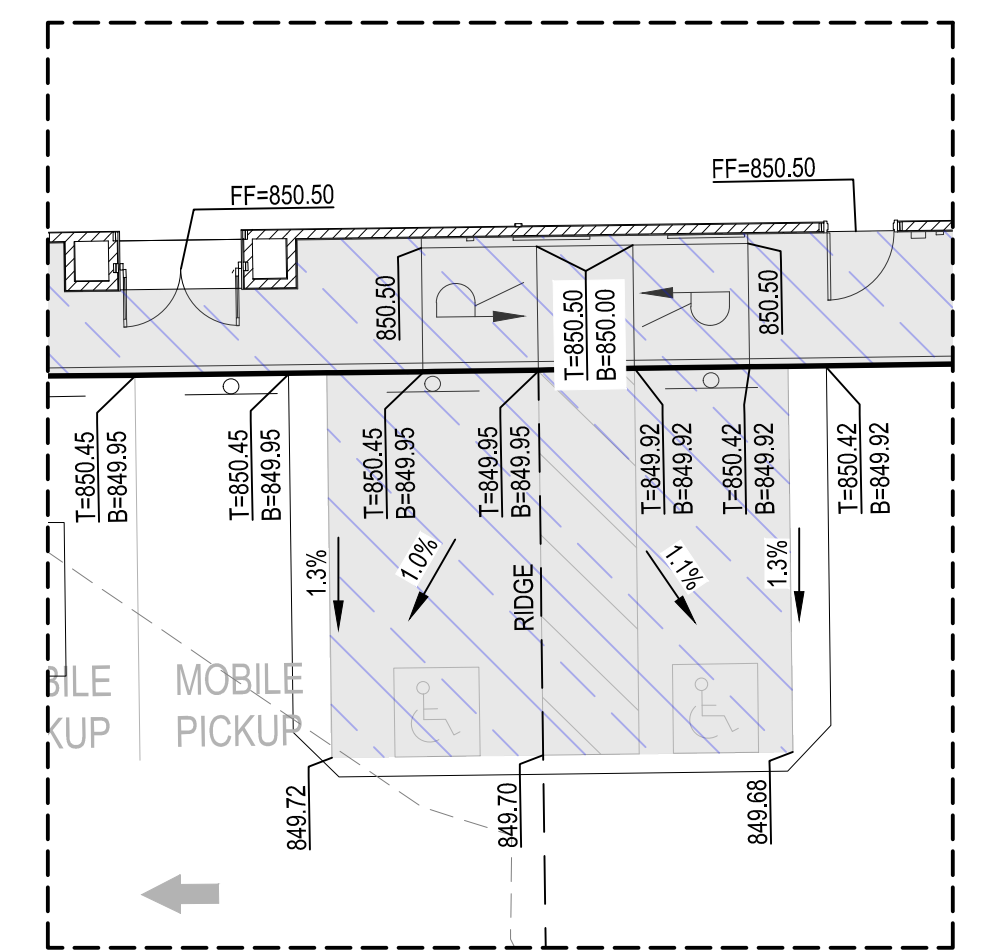
PLOT DATE: _____



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 April 29, 2022 - ngatlebowksi



- LEGEND**
- PROPOSED CONTOURS
 - PROPOSED SWALE/DITCH
 - EXISTING CONTOURS
 - TOP OF CURB ELEVATION
BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
 - TOP OF WALL ELEVATION
BOTTOM OF WALL/FINISHED GRADE ELEVATION
 - RIM / GRATE ELEVATION
 - FINISHED GRADE SLOPE
 - EMERGENCY OVERLAND FLOW DRAINAGE ROUTING
 - EXISTING EXISTING TOPOGRAPHIC FLOOD PLAIN ELEVATION = 843.2±
 - PROPOSED TOPOGRAPHIC FLOOD PLAIN ELEVATION = 843.2±
 - PROPOSED MAXIMUM PONDING ASSUMING DETENTION OUTLET CLOGGED = 848.66
 - ADA ACCESSIBLE ROUTE
 - MAXIMUM POSSIBLE PONDING AROUND EACH CATCH BASIN, INDEPENDENT OF DETENTION SYSTEM PRIOR TO OVERFLOWING CURBS AND/OR RIDGES (SEE PLAN VIEW FOR ELEVATION). ONLY THE SOUTHERN CATCH BASIN AREAS WILL SURCHARGE, SHOULD THE DETENTION BASIN OUTLET BE CLOGGED. NEARLY 2 FEET OF FREEBOARD IS PROVIDED FOR DETENTION BASIN OVERFLOW TO FINISHED FLOOR ELEVATION. ALL INLETS CASTING CAPACITIES ARE GREATER THAN 100-YEAR FLOW RATES. SEE STORMWATER MANAGEMENT REPORT.
 - MAXIMUM HEADWATER PONDING AT CURLVERT DURING 100-YEAR STORM PEAK FLOW (SEE PLAN VIEW FOR ELEVATION) SEE STORMWATER MANAGEMENT REPORT.



A1 ADA ENLARGEMENT
SCALE: 1"=10"

NOTE:
EXISTING FLOOD PLAIN ELEVATION LIMITS WERE DELINEATED BASED ON THE APPLICATION OF THE BASE FLOOD ELEVATION (BFE) TO SITE-SPECIFIC TOPOGRAPHY. EXISTING FLOOD PLAIN LIMITS SHOWN IN PLAN WILL BE MODIFIED TO FOLLOW THE PROPOSED FINISHED CONTOURS. NET STORAGE VOLUME OF FLOOD PLAIN IS INCREASE BY 25± CUBIC YARDS FROM PRE TO PROPOSED DEVELOPMENT CONDITIONS. SEE STORMWATER MANAGEMENT REPORT FOR CUT/FILL REPORT EXHIBIT.

BENCHMARKS:
STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.

ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE I.D.O.T. VRS.

BENCHMARK #1 - MAG NAIL IN SOUTH SIDE OF POWER POLE # 191 305 150
N 1663814, E 258721
ELEVATION= 844.70

BENCHMARK #2 - BOX CUT TOP S.E. SIDE OF LIGHT POLE FOUNDATION
N 1663935, E 258390
ELEVATION= 858.20

BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE
N 1663593, E 258381
ELEVATION= 850.98

DATE	REVISION #1 - COUNTY AND UTILITY COMMENTS
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CONTRACT DATE:
BUILDING TYPE: END20
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TACO BELL
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



ENDEAVOR 20
GRADING PLAN

C-121

PLOT DATE:

Drawing Name: C:\2021\02\108841 - Greenfield, IN (Mt Comfort)\4_Working Files\00_CAD\00_Dwg\C\Sheets\3 - 2021088.41 Grad Util.dwg, 4/29/2022 10:30:04 AM, 1:1

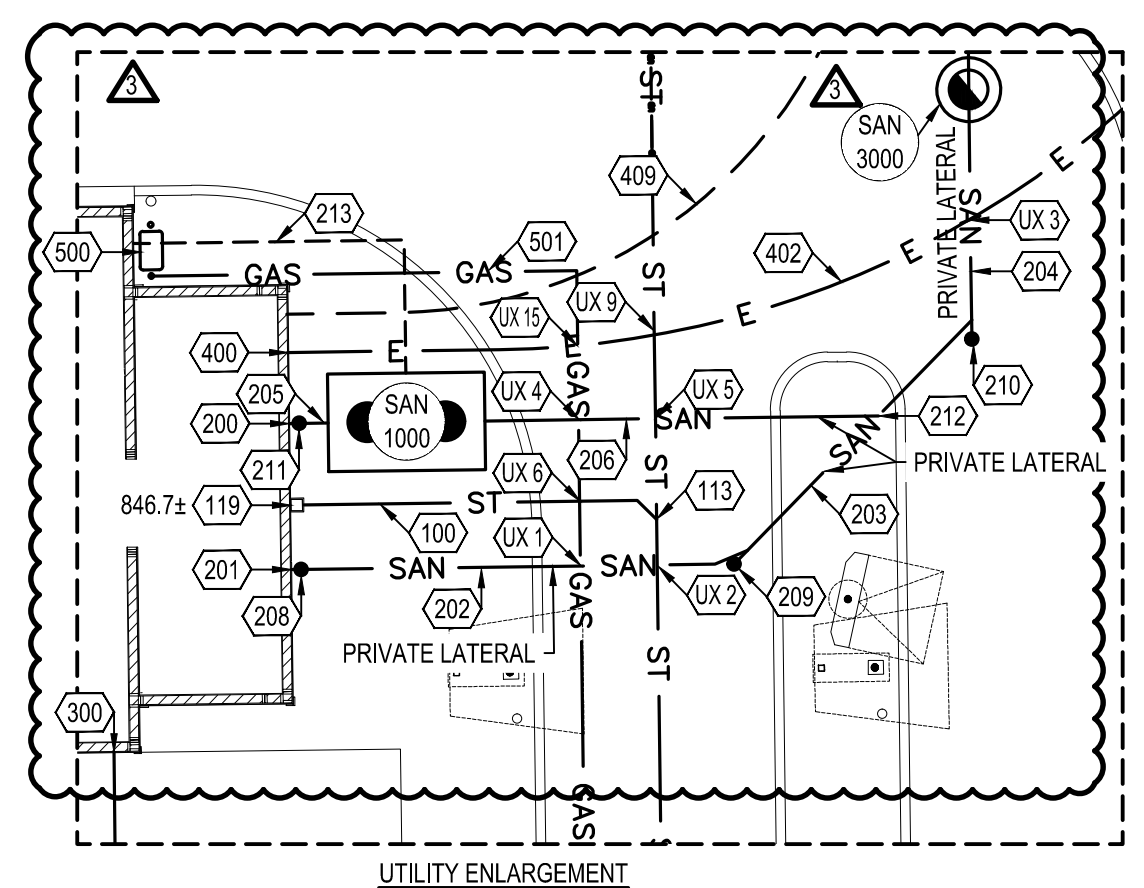
A1 GRADING PLAN
1" = 20"



BENCHMARKS:
 STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
 ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE I.D.O.T. VRS.
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 N 1663935, E 258390
 ELEVATION= 858.20
 BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE
 N 1663593, E 258381
 ELEVATION= 850.98

PROPOSED STRUCTURES		PROPOSED STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS	STRUCT. ID	STRUCTURE DETAILS
CI A	PROPOSED CURB INLET (SEE SHEET C-503) GRATE=849.31 INV. 4" F.D. (N.E.&S.W)=847.81 INV. 12" (S)=846.09	ST J	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.66 INV. 12" (E,W&S)=844.50
CB B	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,W&S)=846.60 INV. 12" (N&E)=844.79	ST K	PROPOSED 30" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.85 INV. 12" (W,N&E)=844.50 INV. 18" (S)=844.00
ST D	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.37 INV. 12" (E,W&N)=844.50	CS L	PROPOSED CONTROL STRUCTURE (SEE SHEET C-132) RIM=848.95 INV. 18" (N)=843.95 INV. 6" (NE)=843.28 INV. 18" (S)=843.18
ST E	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.76 INV. 12" (E,W&S)=844.50	INV M	PROPOSED INVERT THRU WALL (SEE STRUCTURAL PLANS) INV. 18" (N)=843.00
CI F	PROPOSED CURB INLET (SEE SHEET C-503) GRATE=849.10 INV. 4" F.D. (E,W&S)=847.60 INV. 6" (W)=846.78 INV. 12" (S)=846.28	INV N	PROPOSED INVERT THRU WALL (SEE STRUCTURAL PLANS) INV. 18" (W)=839.00
CB G	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,E&S)=846.60 INV. 12" (N&W)=844.86	HW O	PROPOSED INDOT END SECTION (SEE SHEET C-505) INV. 18" (E)=838.60
ST I	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.34 INV. 12" (E,W&N)=844.50	SAN 1000 (PRIVATE)	PROPOSED 1,000 GALLON GREASE INTERCEPTOR (SEE SHEET C-503) RIM=850.20 INV. 6" (W)=844.25 INV. 6" (E)=844.00
		SAN 2000 (PRIVATE)	PROPOSED SANITARY LIFT STATION (SEE SHEETS C-134, C-135 & C-136) RIM=849.90 INV. 1.25" (NE)=844.90 INV. 6" (S)=843.06
		SAN 3000 (PRIVATE)	PROPOSED SAMPLING AND METERING CONTROL MANHOLE WITH NO FLUME (SEE SHEET C-505) RIM=849.40 INV. 6" (N&S)=843.20

- PLAN KEYNOTES #**
- STORM**
- 100. PROPOSED DOWNSPOUT COLLECTOR LINE @ 2.00% MINIMUM. 45 L.F. TOTAL.
 - 101. PROPOSED FINGER DRAIN. SEE SHEET C-503.
 - 102. PROPOSED UNDERGROUND DETENTION - 277 STORMTECH SC-310 CHAMBERS
 - TOP OF STONE = 846.33
 - TOP OF CHAMBER = 845.83
 - BOTTOM OF CHAMBER = 844.50
 - BOTTOM OF STONE / U.D. INVERT = 843.50
 - SEE ENLARGEMENT, SHEET C-132 FOR ADDITIONAL INFORMATION.
 - SEE DETAILS, SHEET C-506.
 - 103. PROPOSED 130 L.F. OF 12" (RCP) STORM SEWER @ 1.00%
 - 104. PROPOSED 23 L.F. OF 12" (RCP) STORM SEWER @ 1.29%
 - 105. PROPOSED 76 L.F. OF 6" (PVC) STORM SEWER @ 1.00%
 - 106. PROPOSED 142 L.F. OF 12" (RCP) STORM SEWER @ 1.00%
 - 107. PROPOSED 19 L.F. OF 12" (RCP) STORM SEWER @ 1.88%
 - 108. PROPOSED 7 L.F. OF 18" (RCP) STORM SEWER @ 0.74%
 - 109. PROPOSED 19 L.F. OF 18" (RCP) STORM SEWER @ 0.97%
 - 110. PROPOSED 80 L.F. OF 18" (RCP) STORM SEWER CULVERT @ 0.50%
 - 111. PROPOSED STORM SEWER CLEANOUT AND WYE CONNECTION. SEE SHEET C-503.
6" INVERT = 847.54
 - 112. PROPOSED WYE CONNECTION. SEE SHEET C-503. 6" INV = 847.22.
 - 113. PROPOSED WYE CONNECTION. SEE SHEET C-503. 6" INV = 846.24. 12" INV = 845.99.
 - 114. PROPOSED 210 L.F. OF 6" PVC RETAINING WALL UNDERDRAIN @ 0.25% SLOPE MINIMUM TOWARD CONNECTION POINTS. REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
 - 115. PROPOSED TWO (2) INSERTA-TEE CONNECTIONS TO PROPOSED 18" HDPE DETENTION OUTLET PIPE. 6" INVERTS = 844.02. 18" INVERT = 843.02
 - 116. PROPOSED TWO (2) INSERTA-TEE CONNECTIONS TO PROPOSED 18" RCP CULVERT. 6" INVERTS = 839.99. 18" INVERT = 838.99
 - 117. NOT USED
 - 118. NOT USED
 - 119. PROPOSED DOWNSPOUT BUILDING CONNECTION. SEE PLAN VIEW FOR INVERT ELEVATION.
- SANITARY**
- 200. PROPOSED BUILDING SANITARY GREASE CONNECTION. 6" INV=844.28. CONTRACTOR TO PROVIDE SIZE / MATERIAL TRANSITION FITTINGS AS REQUIRED.
 - 201. PROPOSED BUILDING SANITARY WASTE CONNECTION. 6" INV=844.30. CONTRACTOR TO PROVIDE SIZE / MATERIAL TRANSITION FITTINGS AS REQUIRED.
 - 202. (PRIVATE) PROPOSED 24 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%
 - 203. (PRIVATE) PROPOSED 18 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%
 - 204. (PRIVATE) PROPOSED 13 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%
 - 205. (PRIVATE) PROPOSED 2 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%
 - 206. (PRIVATE) PROPOSED 20 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%
 - 207. (PRIVATE) PROPOSED 431 L.F. OF 1.25" (HDPE DR-11) SANITARY FORCE MAIN. SEE SHEET C-134, C-135, AND C-136 FOR CONTINUATION AND ADDITIONAL INFORMATION.
 - 208. (PRIVATE) PROPOSED SANITARY CLEANOUT. SEE SHEET C-503. 6" INVERT = 844.30.
 - 209. (PRIVATE) PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. 6" INVERT = 843.82
 - 210. (PRIVATE) PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. 6" INVERT = 843.46.
 - 211. (PRIVATE) PROPOSED SANITARY CLEANOUT. SEE SHEET C-503. 6" INVERT = 844.29
 - 212. (PRIVATE) PROPOSED SANITARY WYE CONNECTION. SEE SHEET C-503. 6" INVERT = 843.60
 - 213. (PRIVATE) PROPOSED 3" VENT LINE. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
 - 214. (PRIVATE) PROPOSED SANITARY LIFT STATION CONTROLS. SEE SHEET C-134, C-135 AND C-136 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - 215. (PRIVATE) PROPOSED 10 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%.
- WATER**
- 300. PROPOSED BUILDING WATER CONNECTION. REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.
 - 301. PROPOSED 207 L.F. 2" (COPPER TYPE K) WATER SERVICE LINE.
 - 302. PROPOSED WATER METER IN VAULT PER NINESTAR STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTOR LOCATED INSIDE BUILDING. REFER TO PLUMBING PLANS.
 - 303. PROPOSED 133 L.F. 2" (CTS POLY PIPE) WATER SERVICE CONNECTION.
 - 304. PROPOSED WATER SERVICE LINE BORING PER HANCOCK COUNTY AND NINESTAR STANDARDS AND SPECIFICATIONS.
 - 305. PROPOSED WATER SERVICE CONNECTION PER NINESTAR STANDARDS AND SPECIFICATIONS.
 - 306. PROPOSED WATER MAIN EXTENSION. REFER TO SHEET C-133 FOR ADDITIONAL INFORMATION.
 - 307. PROPOSED 1" IRRIGATION LINE OUT OF BUILDING. REFER TO IRRIGATION PLANS FOR CONTINUATION, IRRIGATION METER AND BACKFLOW PREVENTOR INSIDE BUILDING. REFER TO BUILDING PLANS.



- UTILITY CROSSINGS (UX#)**
- GENERAL UTILITY CROSSING NOTES:
- CONTRACTOR SHALL COORDINATE ALL CROSSINGS/RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES.
 - EXISTING AND PROPOSED PRESSURIZED (WATER & GAS) AND DRY (ELECTRIC & COMMUNICATIONS) UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS WHEN CONFLICTS OCCUR.
 - WHEN A PROPOSED PRESSURIZED / DRY UTILITY IS IN CROSSING CONFLICT WITH AN EXISTING PRESSURIZED / DRY UTILITY, THE PROPOSED UTILITY SHALL DEFLECT TO OBTAIN MINIMUM CLEARANCE.
 - CONTRACTOR SHALL FIELD LOCATE EXISTING PRESSURIZED / DRY UTILITIES AT PROPOSED CROSSINGS.
 - FOR CLEARANCE BETWEEN PIPES OF LESS THAN 18", THE CONTRACTOR SHALL PROVIDE CONCRETE ENCASUREMENT PER SHEET C-503.
- UX1 PROP. GAS (SEE NOTES ABOVE)
 - UX2 PROP. 12" STORM INV. = 846.0±
 - UX3 PROP. 6" SAN INV. = 844.0±
 - UX4 PROP. ELECTRIC (SEE NOTES ABOVE)
 - UX5 PROP. 6" SAN INV. = 843.4±
 - UX6 PROP. 12" STORM INV. = 846.1±
 - UX7 PROP. 6" SAN INV. = 843.8±
 - UX8 PROP. 6" STORM INV. = 846.7±
 - UX9 PROP. TELEPHONE (SEE NOTES ABOVE)
 - UX10 PROP. ELECTRIC (SEE NOTES ABOVE)
 - UX11 PROP. 12" STORM INV. = 846.1±
 - UX12 PROP. 12" STORM INV. = 844.6±
 - UX13 PROP. WATER (SEE NOTES ABOVE)
 - UX14 EX. ELECTRIC (SEE NOTES ABOVE)
 - UX15 PROP. 18" STORM INV. = 838.7±
 - UX16 PROP. GAS (SEE NOTES ABOVE)
 - UX17 PROP. TELEPHONE (SEE NOTES ABOVE)
 - UX18 PROP. GAS (SEE NOTES ABOVE)
 - UX19 PROP. 12" STORM INV. = 843.9±
 - UX20 PROP. GAS (SEE NOTES ABOVE)
 - UX21 PROP. 6" SAN INV. = 843.9±
 - UX22 PROP. PROP. GAS (SEE NOTES ABOVE)
 - UX23 PROP. 6" STORM INV. = 846.4±
 - UX24 PROP. TELEPHONE (SEE NOTES ABOVE)
 - UX25 PROP. PROP. GAS (SEE NOTES ABOVE)
 - UX26 PROP. 12" STORM INV. = 844.9±
 - UX27 PROP. 18" STORM INV. = 838.8±
 - UX28 PROP. WATER (SEE NOTES ABOVE)
 - UX29 PROP. 18" STORM INV. = 838.6±
 - UX30 PROP. TELEPHONE (SEE NOTES ABOVE)
 - UX31 PROP. PROP. GAS (SEE NOTES ABOVE)
 - UX32 PROP. TELEPHONE (SEE NOTES ABOVE)
 - UX33 PROP. GAS (SEE NOTES ABOVE)
 - UX34 PROP. ELECTRIC (SEE NOTES ABOVE)
 - UX35 UTILITY AND WALL CONFLICT
- NOTE:**
 ALL STORM CATCH BASINS, CURB INLETS AND NYLOPLAST STRUCTURES SHALL HAVE A 24" MINIMUM SUMP

DATE	REVISION # - COUNTY AND UTILITY COMMENTS	REMARKS
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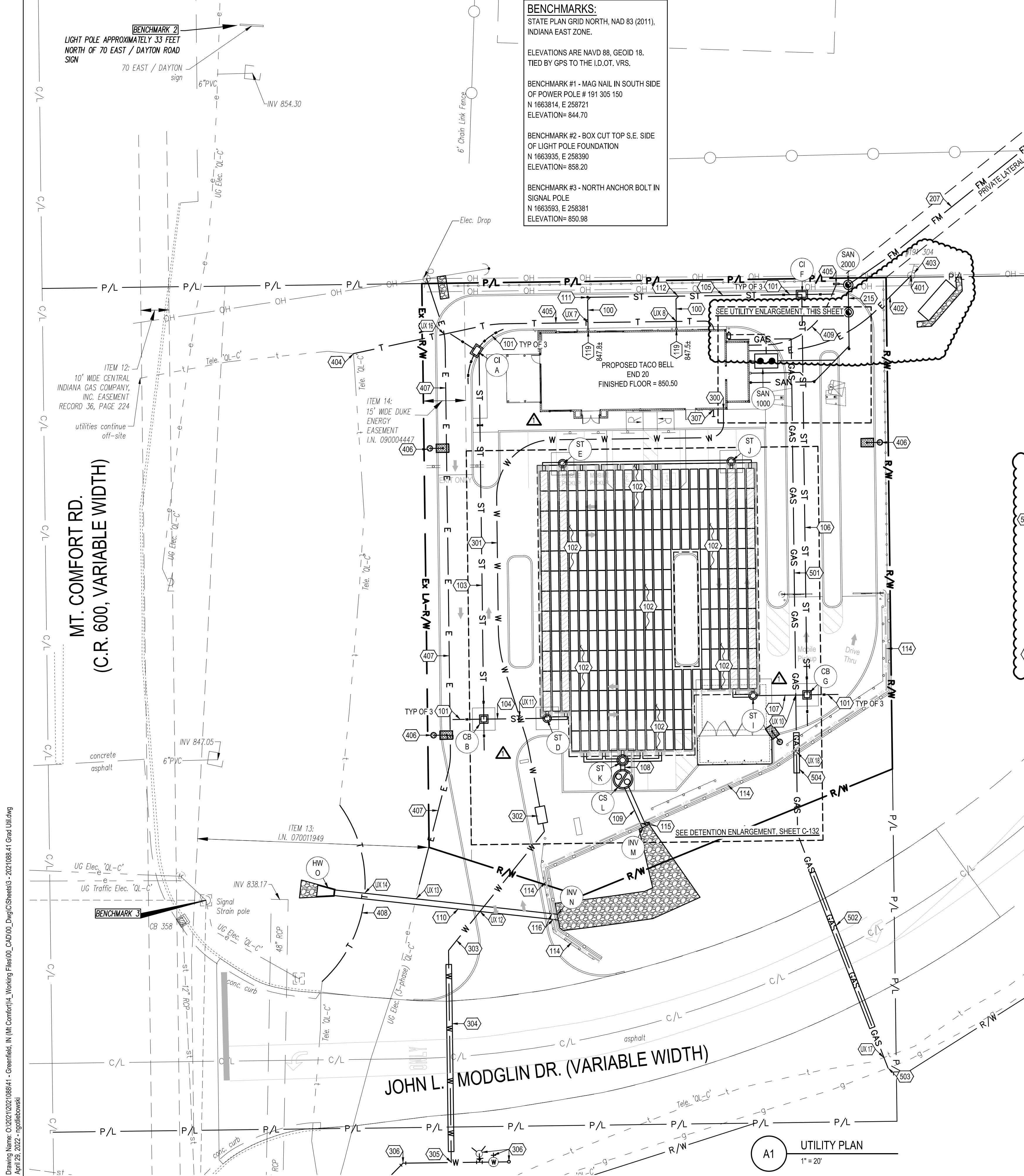
TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
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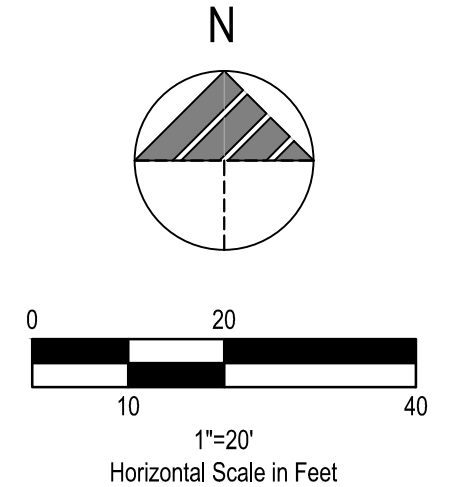
ENDEAVOR 20
 UTILITY PLAN

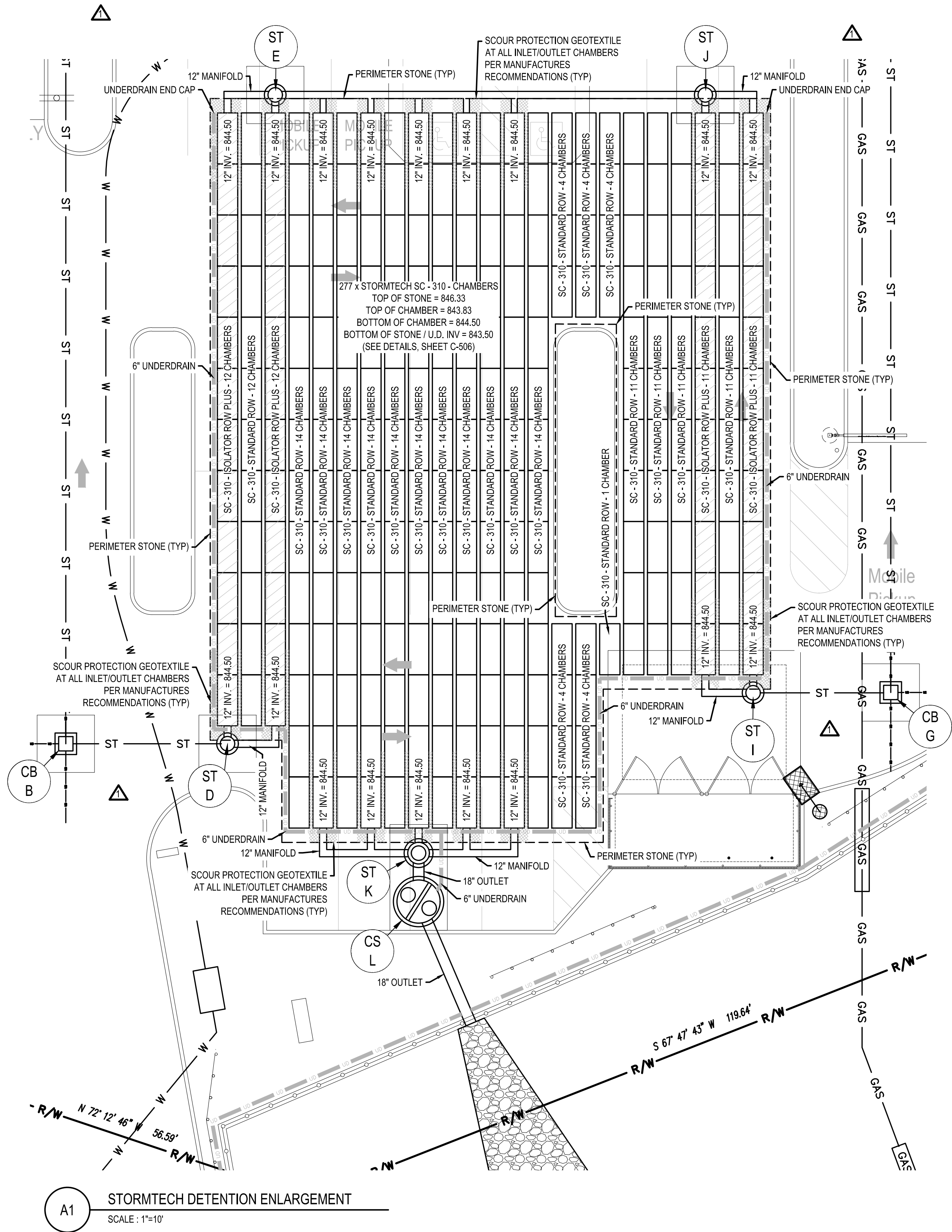
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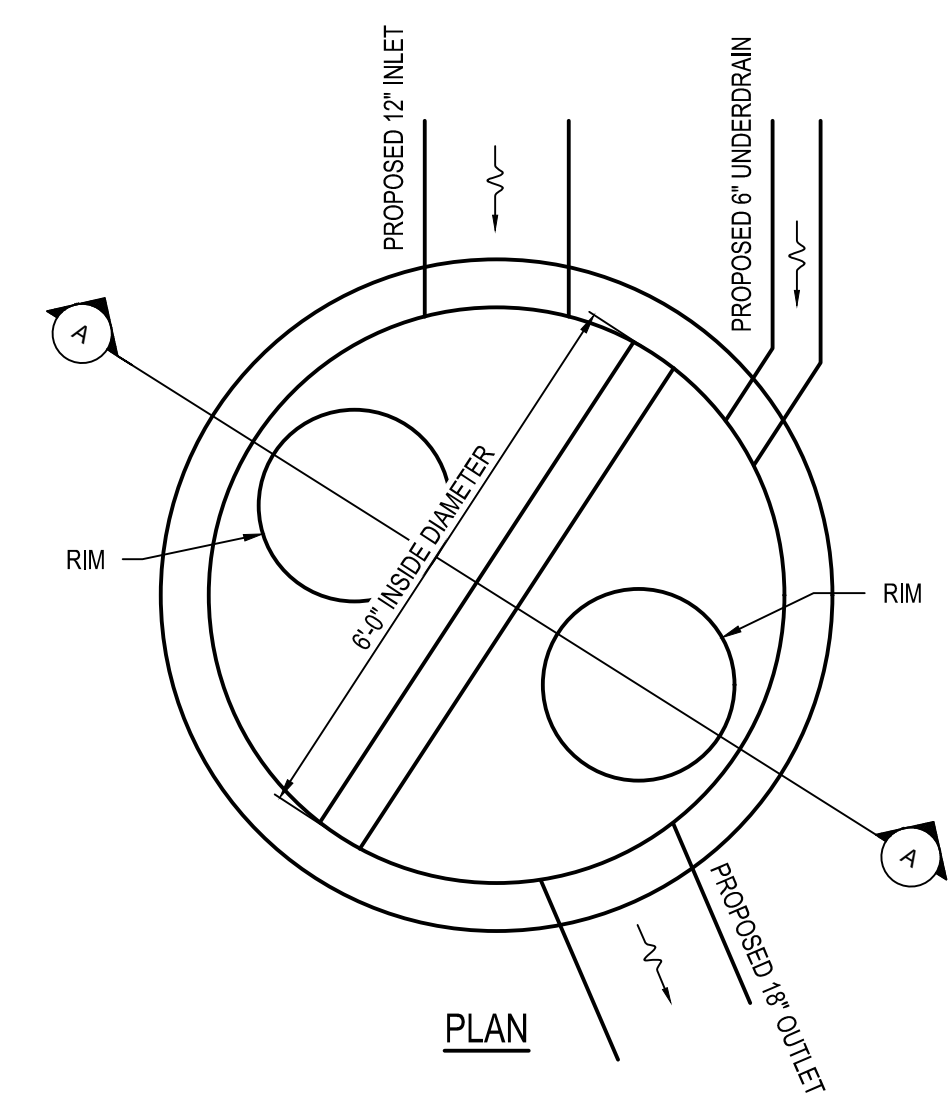
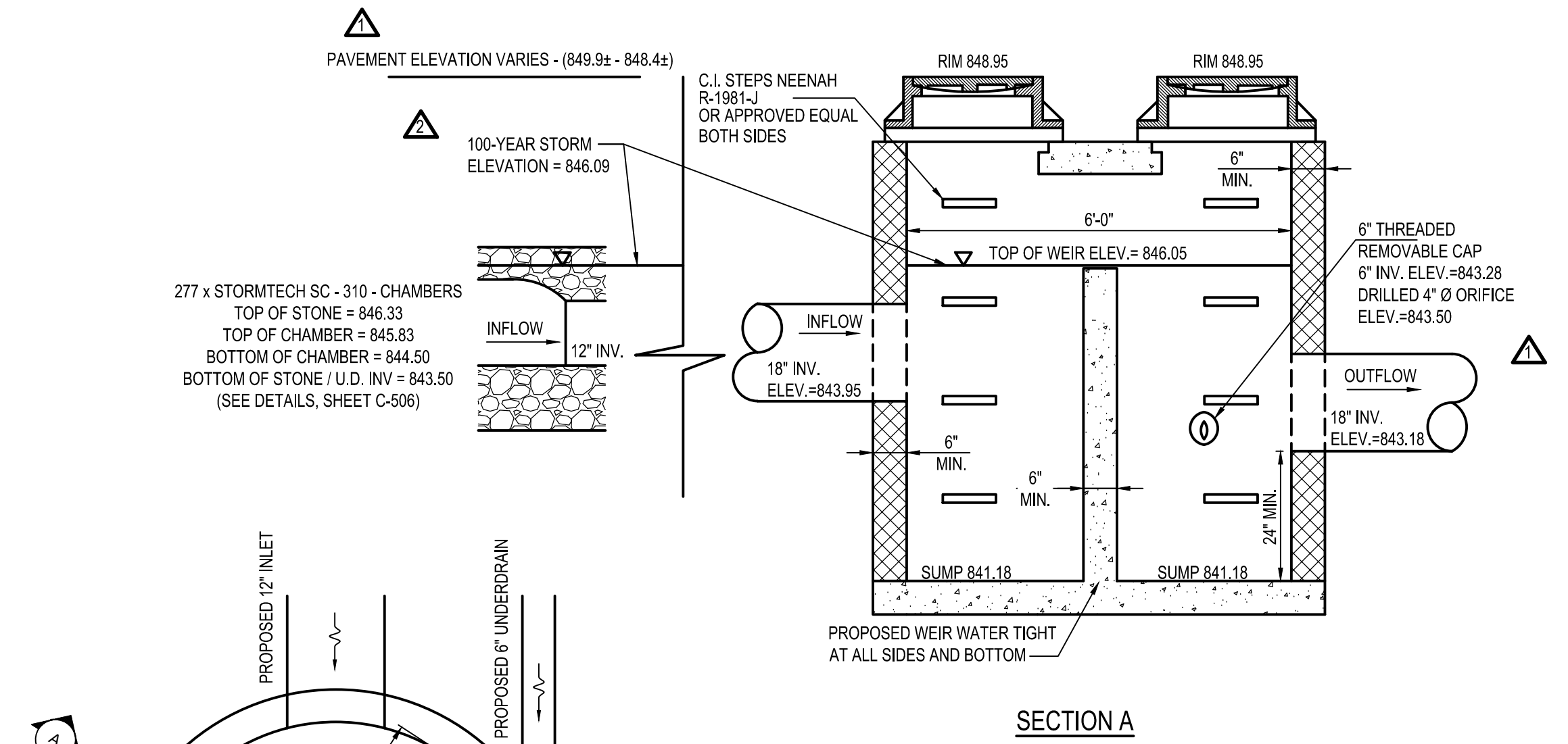


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 April 29, 2022 - ngtablowek





PROPOSED STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS
CB B	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,W&S)=846.60 INV. 12" (N&E)=844.79 RIM=848.37
ST D	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.37 INV. 12" (E,W&N)=844.50
ST E	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.76 INV. 12" (E,W&S)=844.50
CB G	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,E&S)=846.60 INV. 12" (N&W)=844.86 RIM=848.34
ST I	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.34 INV. 12" (E,W&N)=844.50
ST J	PROPOSED 24" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.66 INV. 12" (E,W&S)=844.50
ST K	PROPOSED 30" H2O LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.85 INV. 12" (W,N&E)=844.50 INV. 18" (S)=844.00
CS L	PROPOSED CONTROL STRUCTURE (SEE SHEET C-132) RIM=848.95 INV. 18" (N)=843.95 INV. 6" (NE)=843.28 INV. 18" (S)=843.18



- NOTE:**
1. PRECAST WALLS SHALL BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.
 2. CAST-IN-PLACE CONCRETE SHALL BE 4,000 PSI @ 28 DAY. ALL PRECAST CONCRETE SHALL MEET STATE REQUIREMENTS WITH 6% +/- 2% AIR VOID CONTENT IN THE CURED CONCRETE.
 3. CONTRACTOR SHALL COORDINATE WITH PRE-CAST CONCRETE MANUFACTURER FOR FINAL DESIGN.
 4. CONTRACTOR SHALL PLACE THE ORIFICE HOLE INTO THE 6" CAP AND ENSURE A TIGHT CONNECTION.
 5. ALL WALL JOINTS AND THEIR WALL TO STRUCTURE JOINTS (3 SIDES) SHALL BE WATER-TIGHT.
 6. CONTROL STRUCTURE TO BE DESIGNED FOR H2O LOADING REQUIREMENTS, INCLUDING CASTINGS.

A1 STORMTECH DETENTION ENLARGEMENT
 SCALE: 1"=10'

B4 CONTROL STRUCTURE (CS-L)
 NTS

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TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140

BENCHMARKS:
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 BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE N 1663593, E 258381 ELEVATION= 850.98



TACO BELL
 ENDEAVOR 20
 STORMTECH
 DETENTION
 PLAN
C-132A
 PLOT DATE:

DATE	REMARKS
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TACO BELL

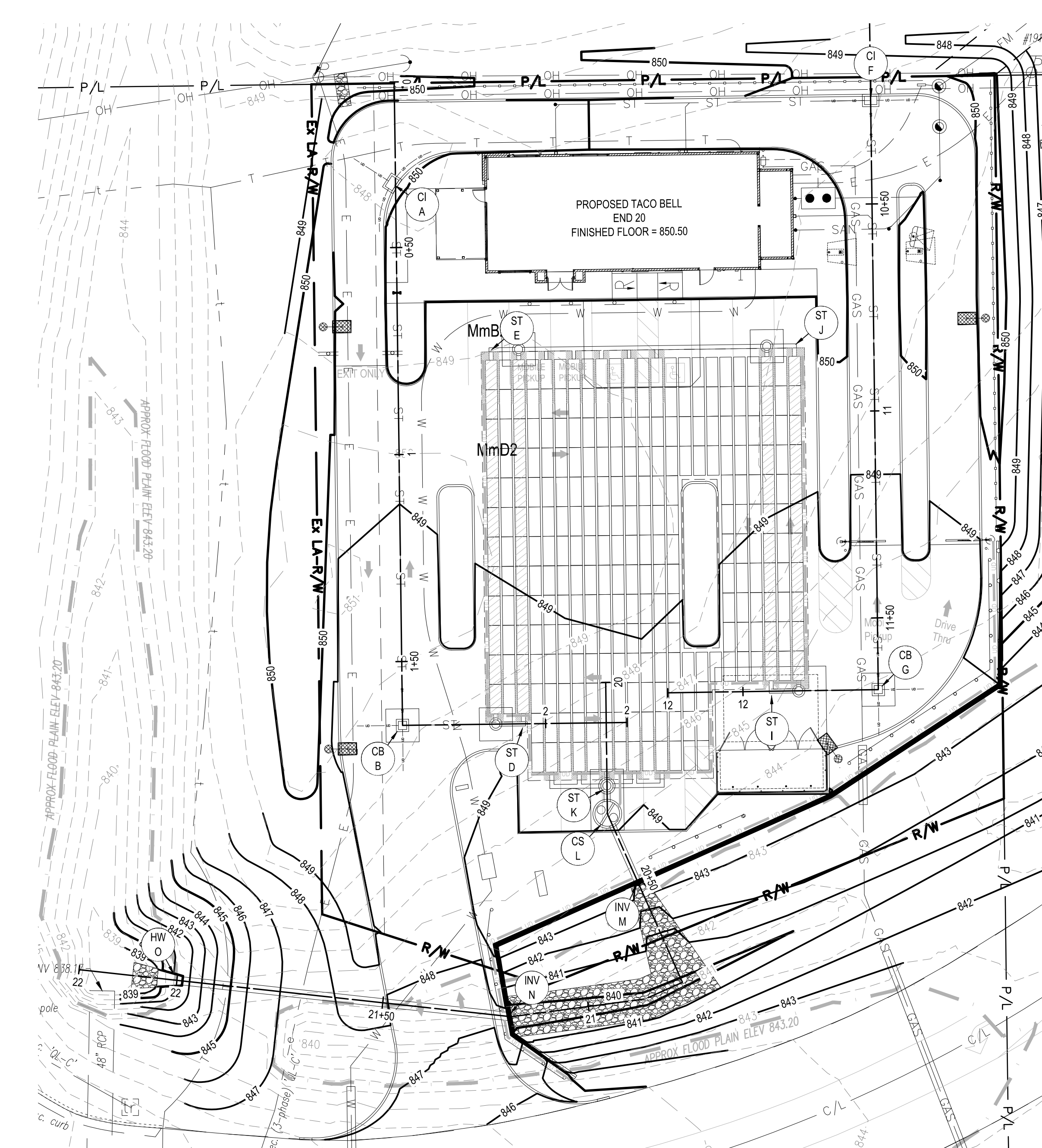
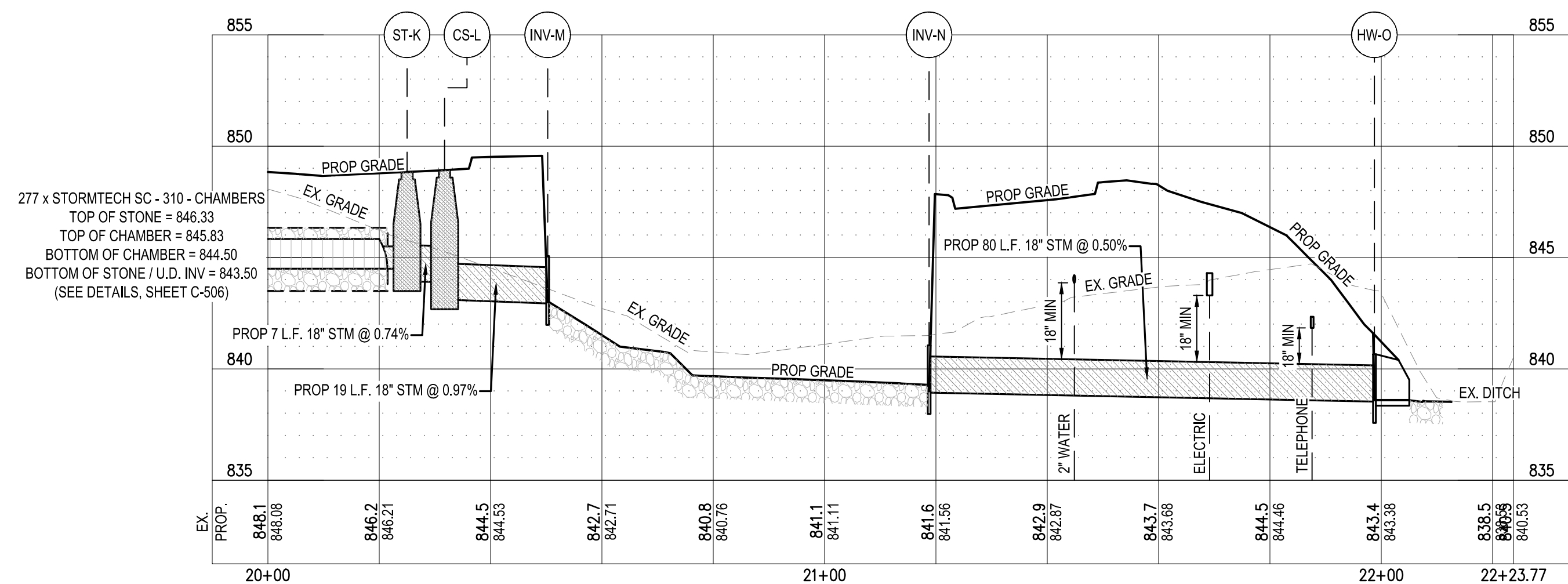
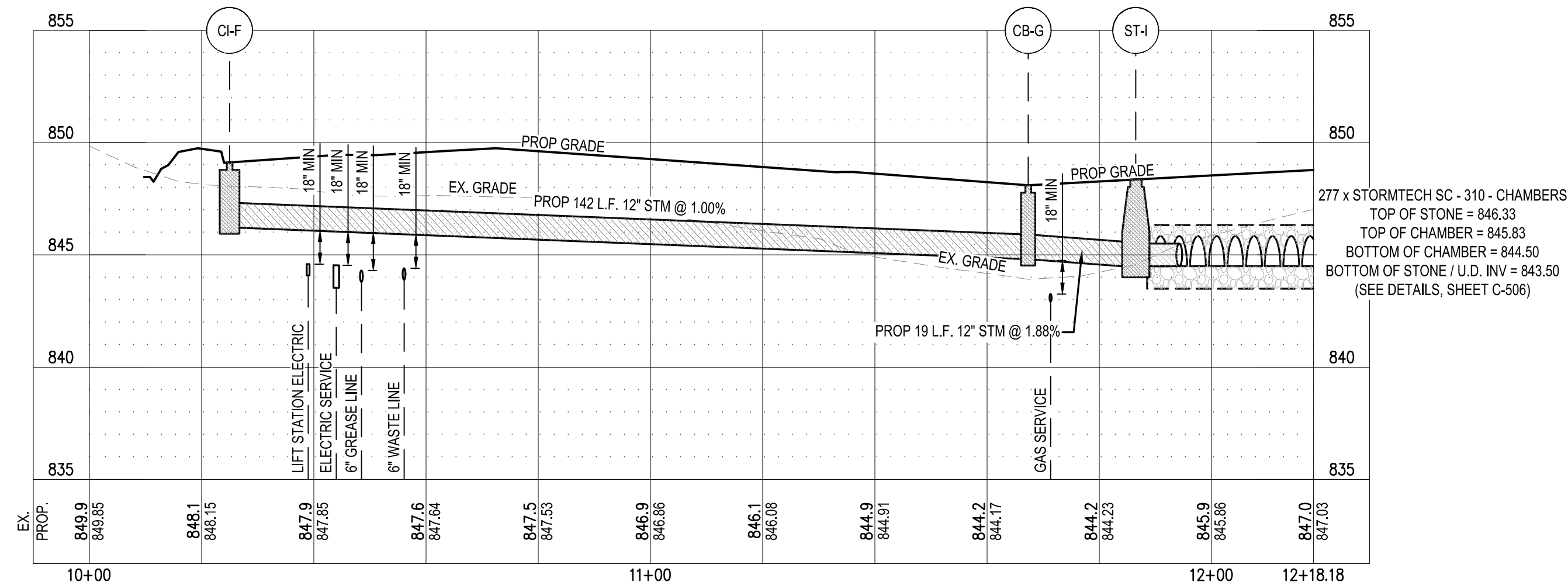
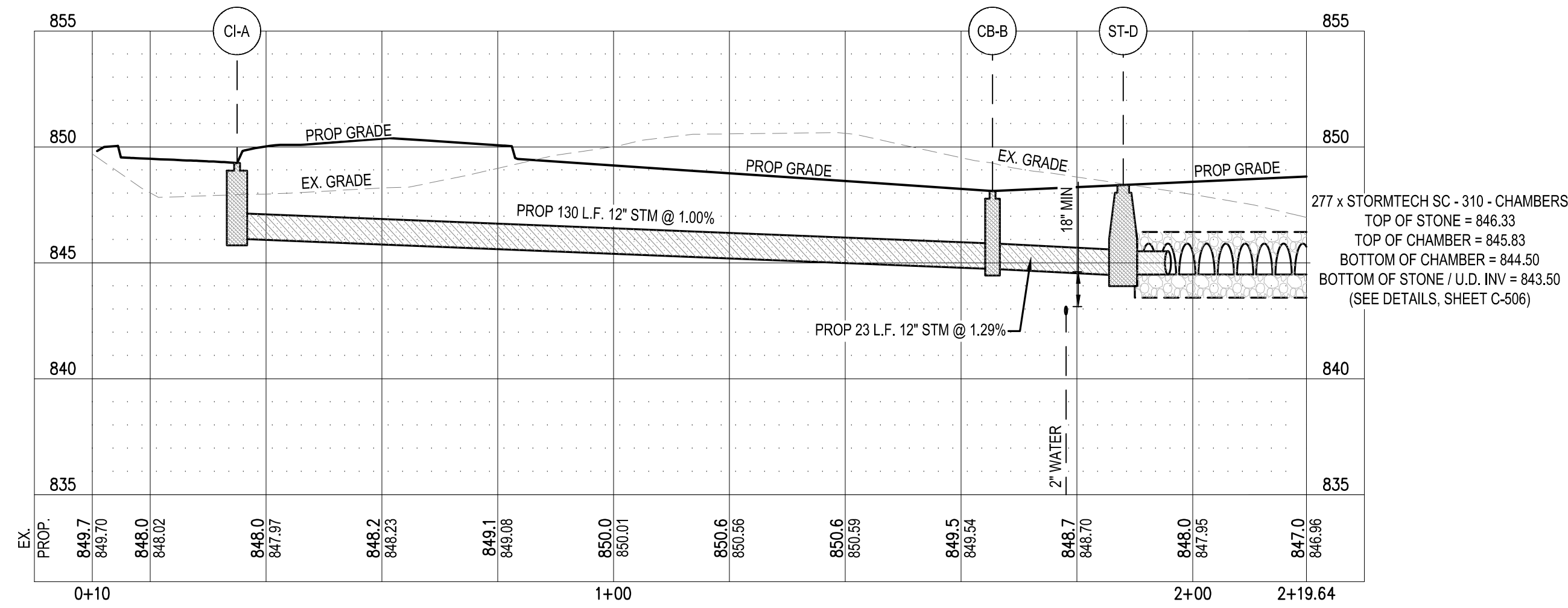
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



**ENDEAVOR 20
STORM SEWER
PROFILES**

C-132B

PLOT DATE: _____

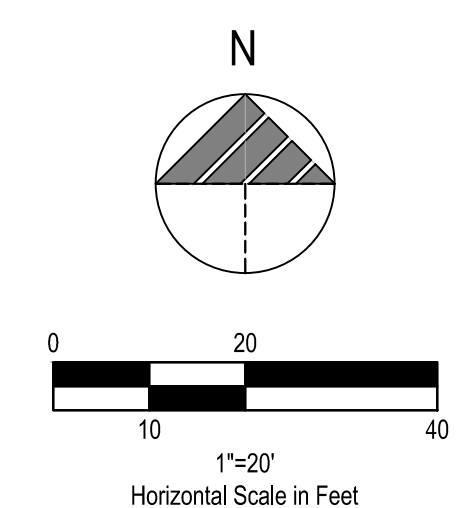


PROPOSED STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
CI A	PROPOSED CURB INLET (SEE SHEET C-503) GRATE=849.31 INV. 4" F.D. (N.E.W&S)=847.81 INV. 12" (S)=846.09
CB B	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,W&S)=846.60 INV. 12" (N&E)=844.79
ST D	PROPOSED 24" H20 LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.37 INV. 12" (E,W&N)=844.50
ST M	PROPOSED 24" H20 LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.76 INV. 12" (E,W&S)=844.50
CI	PROPOSED CURB INLET (SEE SHEET C-503) GRATE=849.10 INV. 4" F.D. (E,W&S)=847.60 INV. 6" (W)=846.78 INV. 12" (S)=846.28
CB G	PROPOSED CATCH BASIN (SEE SHEET C-503) GRATE=848.10 INV. 4" F.D. (N,E&S)=846.60 INV. 12" (N&W)=844.86
ST I	PROPOSED 24" H20 LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.34 INV. 12" (E,W&N)=844.50

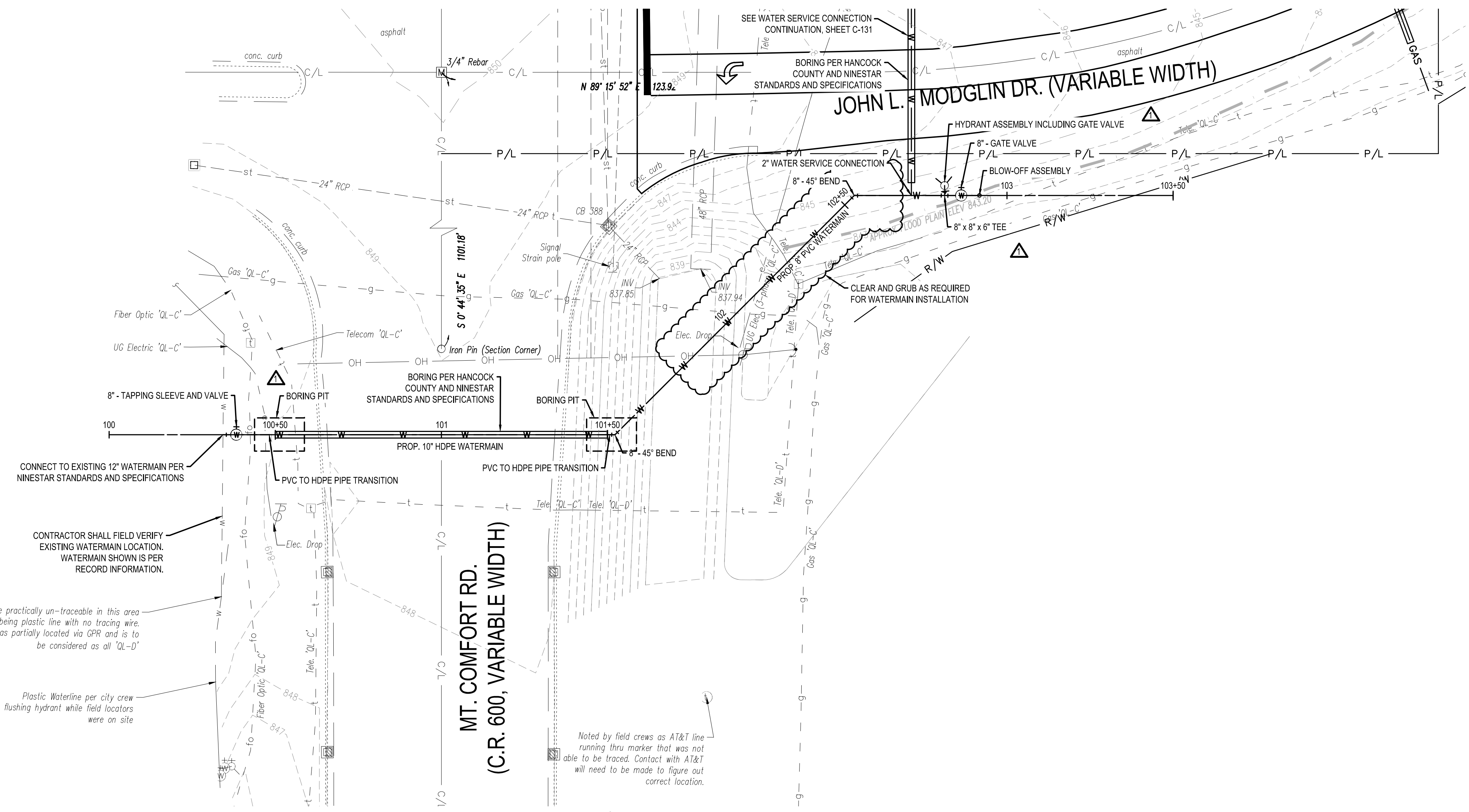
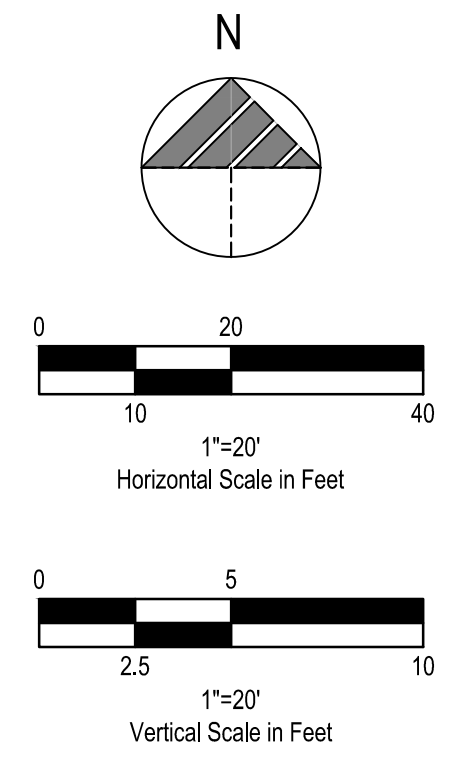
PROPOSED STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
ST J	PROPOSED 24" H20 LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=849.66 INV. 12" (E,W&S)=844.50
ST K	PROPOSED 30" H20 LOADING NYLOPLAST WITH SOLID CASTING (SEE SHEET C-505) RIM=848.85 INV. 12" (W,N&E)=844.50 INV. 18" (S)=844.00
CS L	PROPOSED CONTROL STRUCTURE (SEE SHEET C-132) RIM=848.95 INV. 18" (N)=843.95 INV. 6" (NE)=843.28 INV. 18" (S)=843.18
INV M	PROPOSED INVERT THRU WALL (SEE STRUCTURAL PLANS) INV. 18" (N)=843.00
INV N	PROPOSED INVERT THRU WALL (SEE STRUCTURAL PLANS) INV. 18" (W)=839.00
HW O	PROPOSED INDOT END SECTION (SEE SHEET C-505) INV. 18" (E)=838.60



BENCHMARKS:
 STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
 ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE I.D.O.T. VRS.
 BENCHMARK #1 - MAG NAIL IN SOUTH SIDE OF POWER POLE # 191 305 150 N 1663814, E 258721 ELEVATION= 844.70
 BENCHMARK #2 - BOX CUT TOP S.E. SIDE OF LIGHT POLE FOUNDATION N 1663935, E 258390 ELEVATION= 858.20
 BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE N 1663593, E 258381 ELEVATION= 850.98



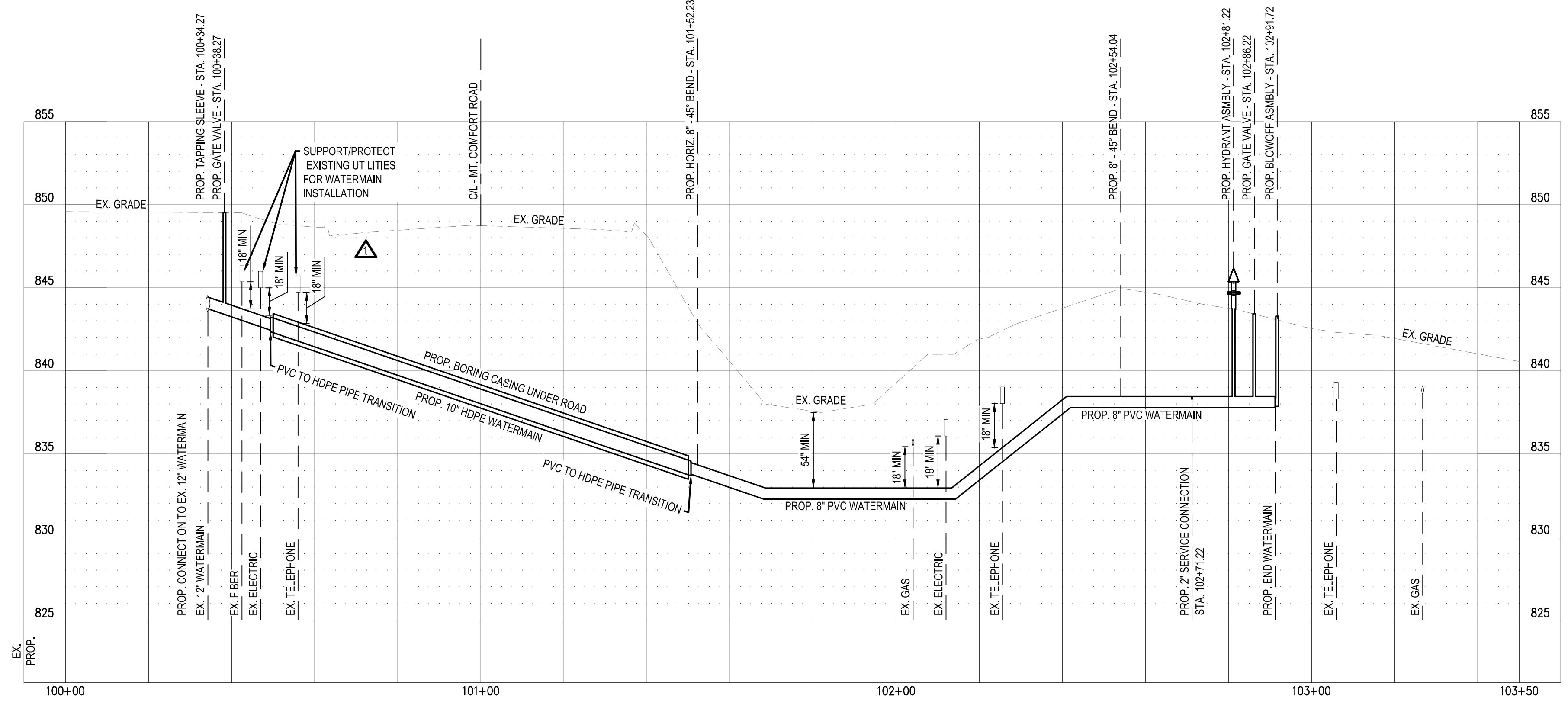


CONTRACTOR SHALL FIELD VERIFY EXISTING WATERMAIN LOCATION. WATERMAIN SHOWN IS PER RECORD INFORMATION.

Waterline practically un-traceable in this area due to being plastic line with no tracing wire. Water was partially located via GPR and is to be considered as all 'QL-D'

Plastic Waterline per city crew flushing hydrant white field locators were on site

Noted by field crews as AT&T line running thru marker that was not able to be traced. Contact with AT&T will need to be made to figure out correct location.



DATE	REMARKS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PAP/PM: JW/KB
DRAWN BY.: NDG
JOB NO.: 2021088.41

TACO BELL

5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



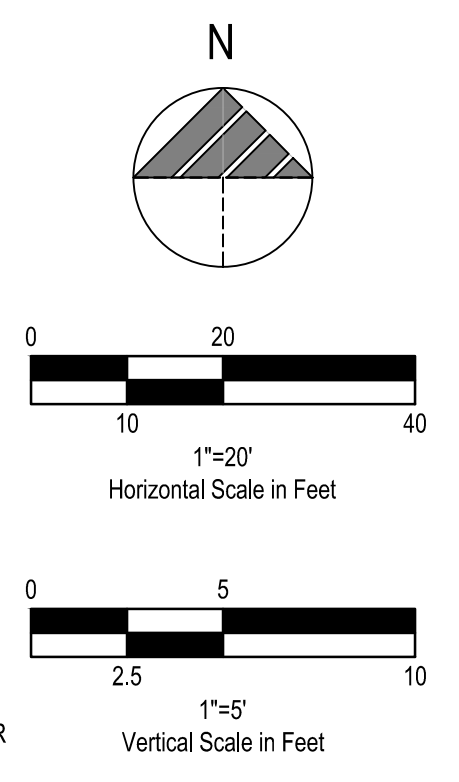
**ENDEAVOR 20
WATER MAIN
EXTENSION
PLAN**

C-133

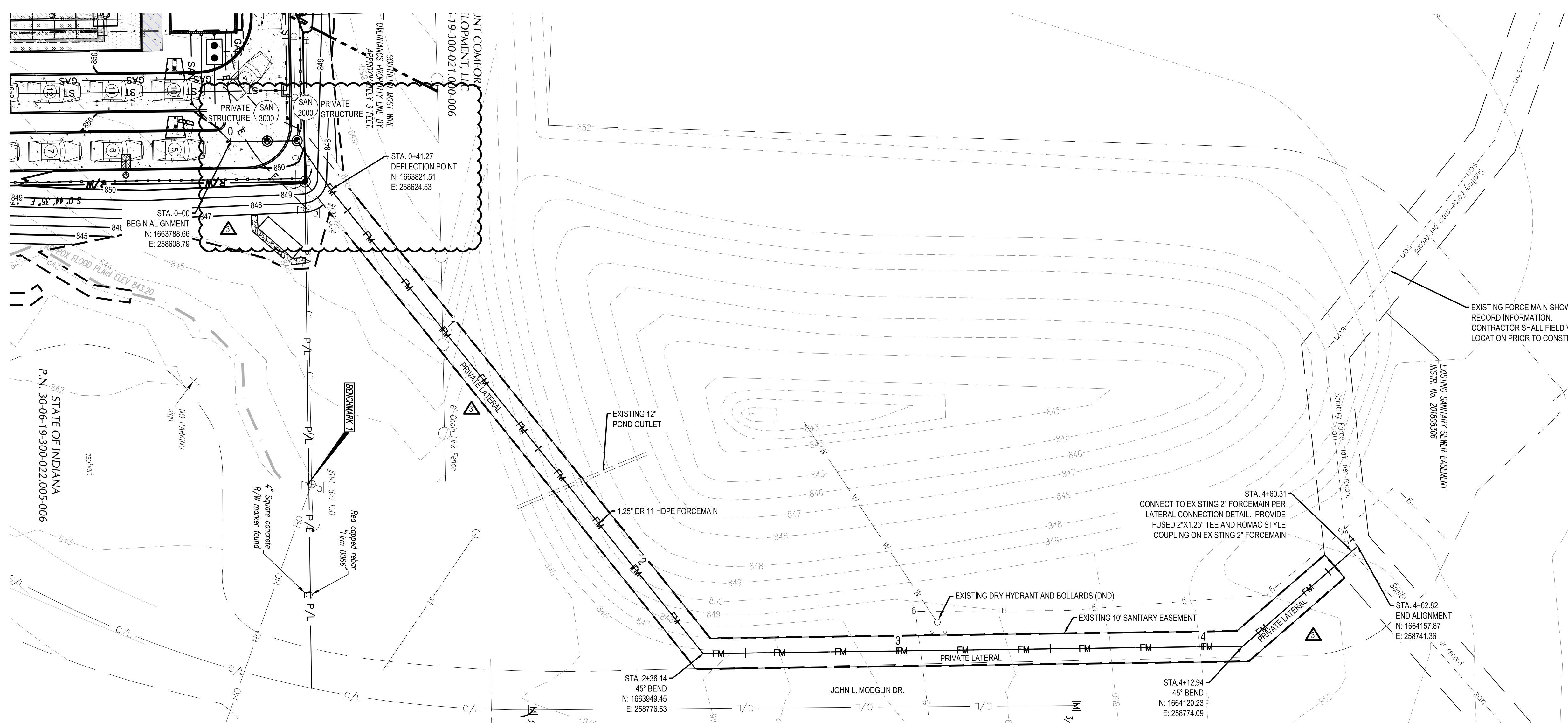
PLOT DATE:

BENCHMARKS:
STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
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N 1663814, E 258721
ELEVATION= 844.70
BENCHMARK #2 - BOX CUT TOP S.E. SIDE OF LIGHT POLE FOUNDATION
N 1663935, E 258390
ELEVATION= 858.20
BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE
N 1663593, E 258381
ELEVATION= 850.98





EXISTING FORCE MAIN SHOWN IS PER RECORD INFORMATION. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION.



DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PA/PM: JW/KB
DRAWN BY.: NDG
JOB NO.: 2021088.41

TACO BELL

5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140

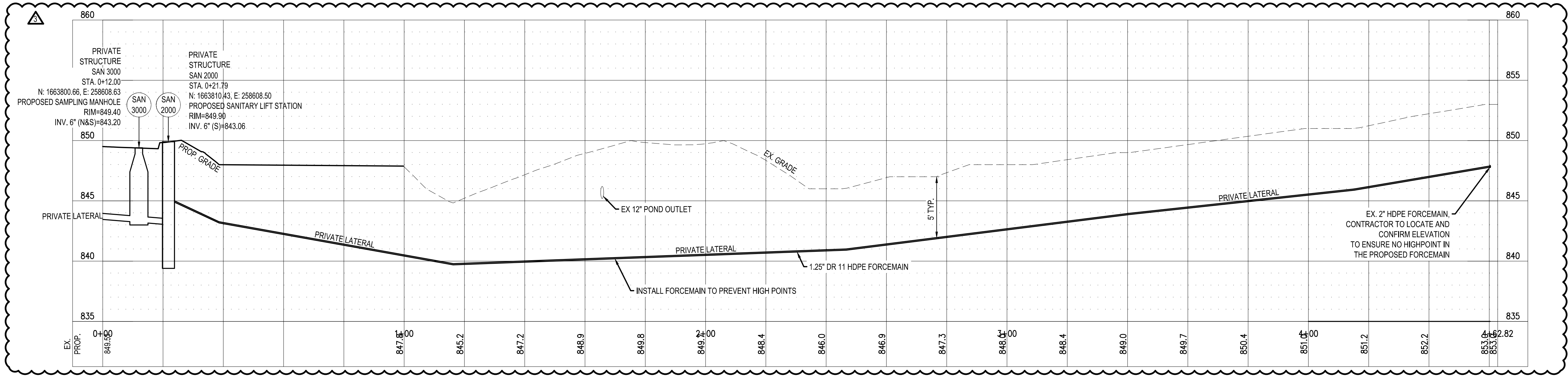


**ENDEAVOR 20
SANITARY
FORCEMAIN
PLAN & PROFILE**

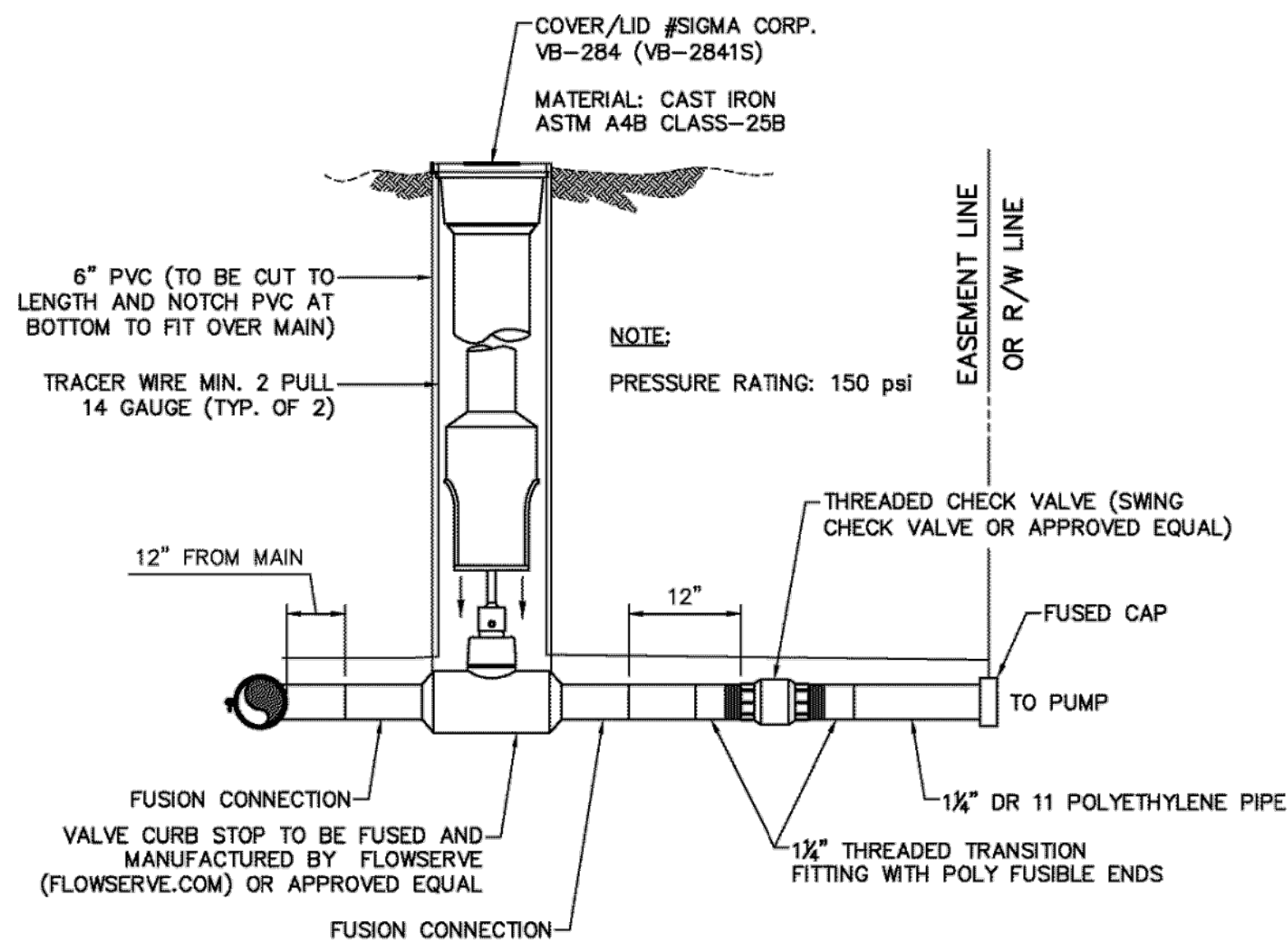
C-134

PLOT DATE:

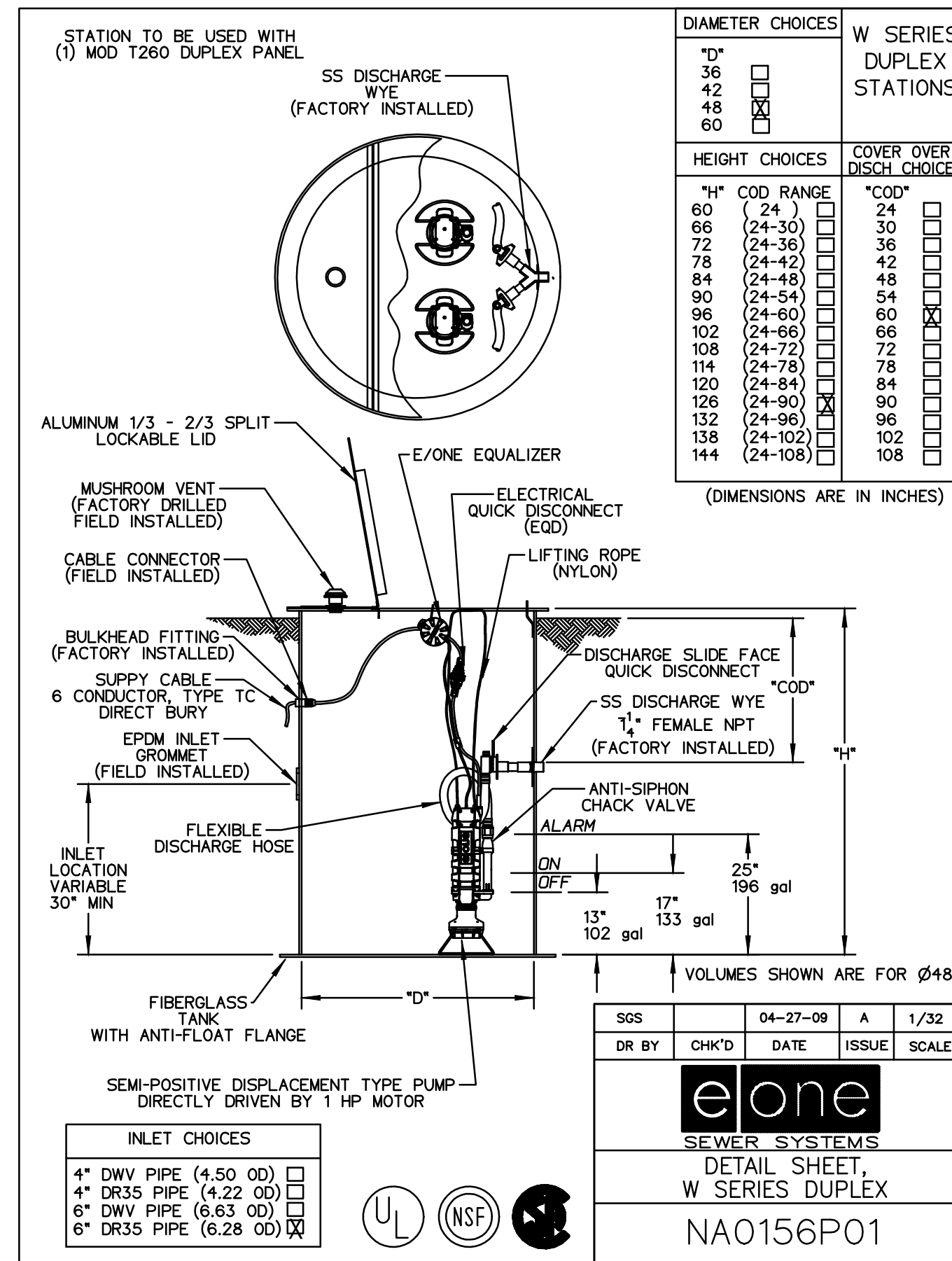
BENCHMARKS:
STATE PLAN GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE I.D.O.T. VRS.
BENCHMARK #1 - MAG NAIL IN SOUTH SIDE OF POWER POLE # 191 305 150
N 1663814, E 258721
ELEVATION= 844.70
BENCHMARK #2 - BOX CUT TOP S.E. SIDE OF LIGHT POLE FOUNDATION
N 1663935, E 258390
ELEVATION= 858.20
BENCHMARK #3 - NORTH ANCHOR BOLT IN SIGNAL POLE
N 1663593, E 258381
ELEVATION= 850.98



Drawing Name: C:\2021\02108841 - Greenfield, IN (M Combi)\M Working Files\00_CAD\00_Dwg\C\Sheets\021088.41 FM P&P.dwg
April 29, 2022 - ngababowski



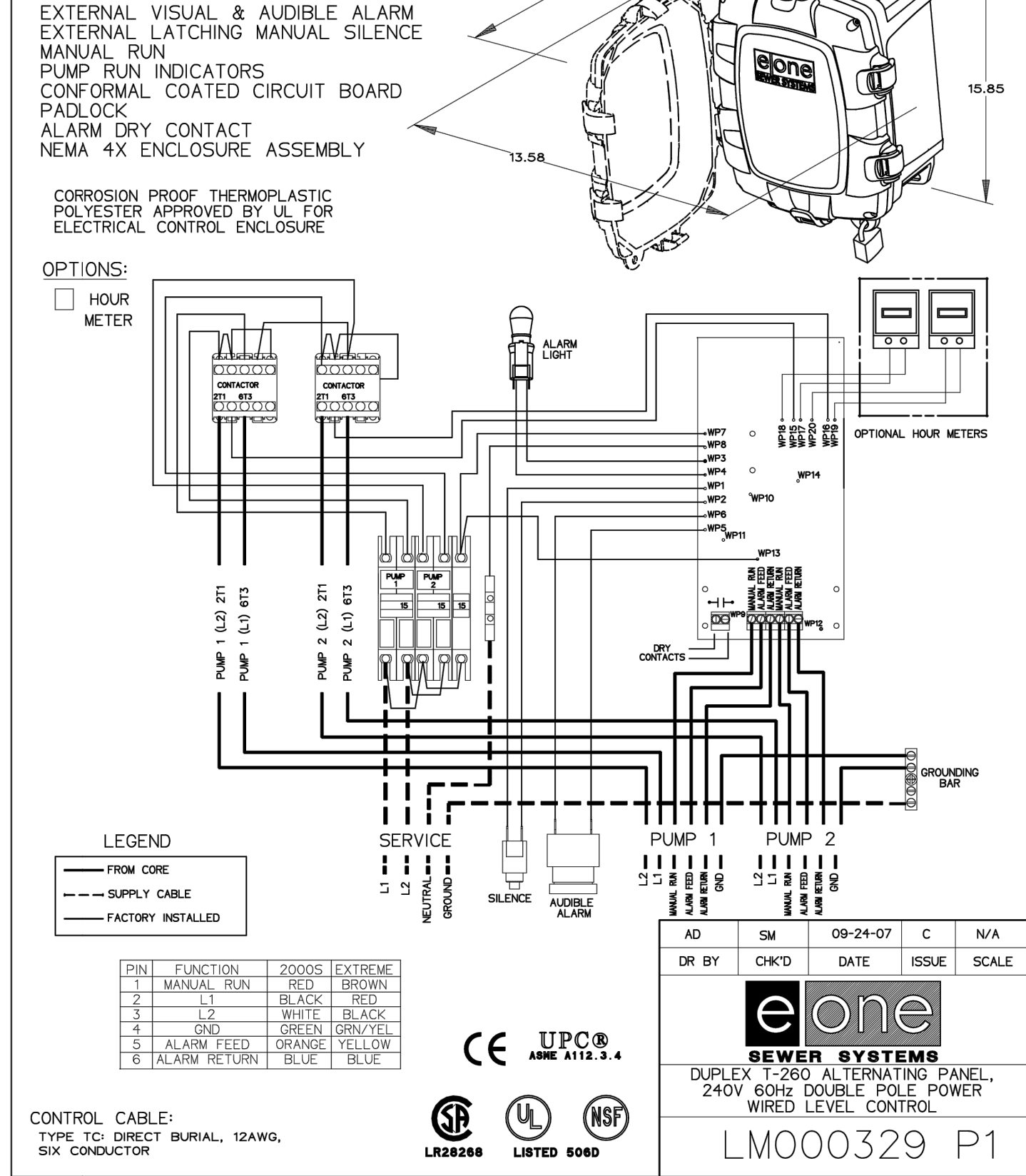
PLASTIC LATERAL ASSEMBLY
(1-1/4" DR 11 HDPE PIPE ARCH PATTERN)
NOT TO SCALE



DIAMETER CHOICES		W SERIES DUPLEX STATIONS	
10"	<input type="checkbox"/>	COVER OVER DISCH CHOICES	<input type="checkbox"/>
36	<input type="checkbox"/>	24"	<input type="checkbox"/>
42	<input type="checkbox"/>	30"	<input type="checkbox"/>
48	<input checked="" type="checkbox"/>	36"	<input type="checkbox"/>
60	<input type="checkbox"/>	42"	<input type="checkbox"/>
HEIGHT CHOICES		COVER OVER DISCH CHOICES	
60"	(24-30) <input type="checkbox"/>	24"	<input type="checkbox"/>
66"	(24-30) <input type="checkbox"/>	30"	<input type="checkbox"/>
72"	(24-36) <input type="checkbox"/>	36"	<input type="checkbox"/>
78"	(24-42) <input type="checkbox"/>	42"	<input type="checkbox"/>
84"	(24-48) <input type="checkbox"/>	48"	<input type="checkbox"/>
90"	(24-54) <input type="checkbox"/>	54"	<input type="checkbox"/>
96"	(24-60) <input type="checkbox"/>	60"	<input type="checkbox"/>
102"	(24-66) <input type="checkbox"/>	66"	<input checked="" type="checkbox"/>
108"	(24-72) <input type="checkbox"/>	72"	<input type="checkbox"/>
114"	(24-78) <input type="checkbox"/>	78"	<input type="checkbox"/>
120"	(24-84) <input type="checkbox"/>	84"	<input type="checkbox"/>
126"	(24-90) <input type="checkbox"/>	90"	<input type="checkbox"/>
132"	(24-96) <input type="checkbox"/>	96"	<input type="checkbox"/>
138"	(24-102) <input type="checkbox"/>	102"	<input type="checkbox"/>
144"	(24-108) <input type="checkbox"/>	108"	<input type="checkbox"/>

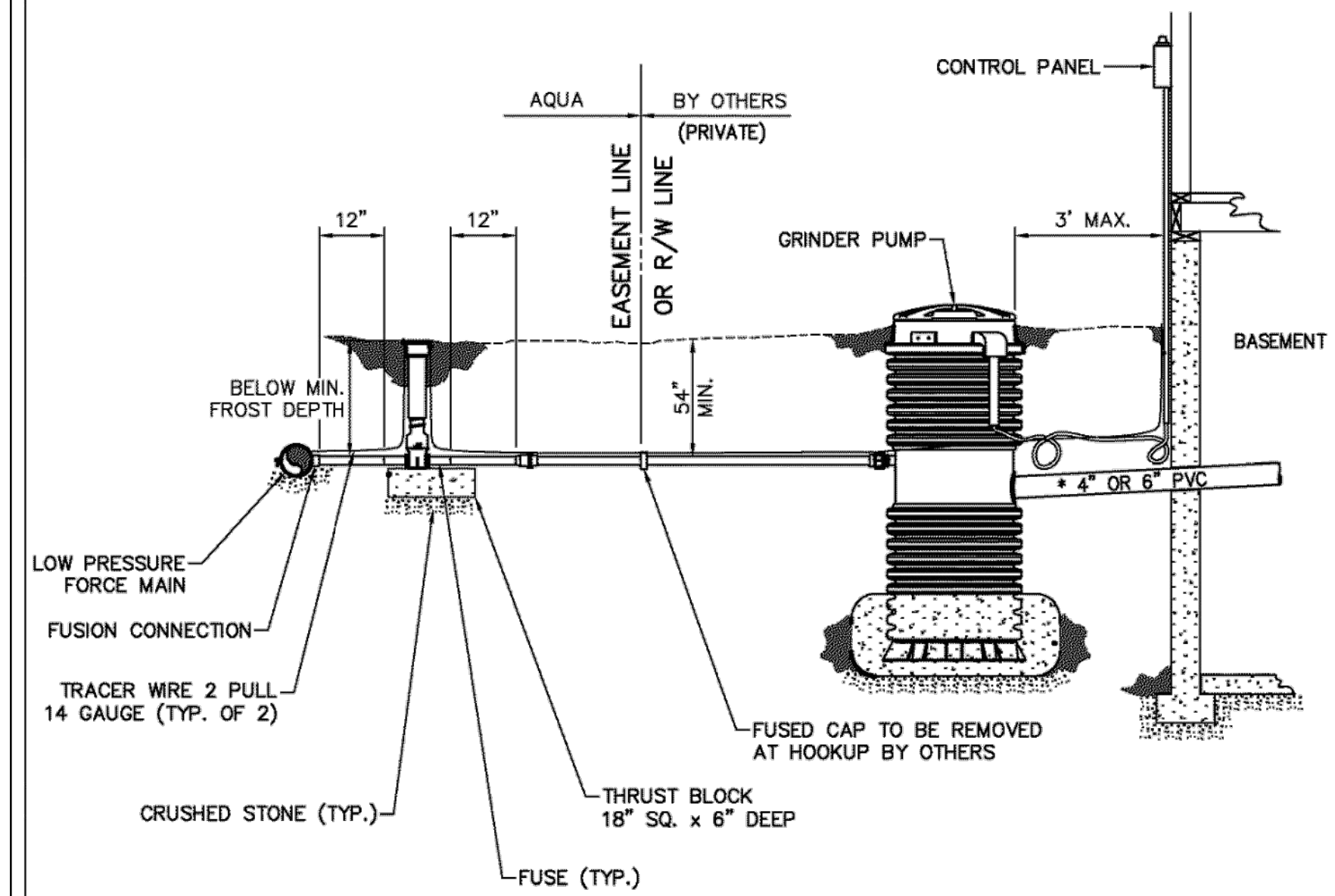
SGS	04-27-09	A	1/32
DR BY	CHK'D	DATE	ISSUE
eone			
SEWER SYSTEMS			
DETAIL SHEET			
W SERIES DUPLEX			
NA0156P01			

DUPLEX ALTERNATING PANEL T-260

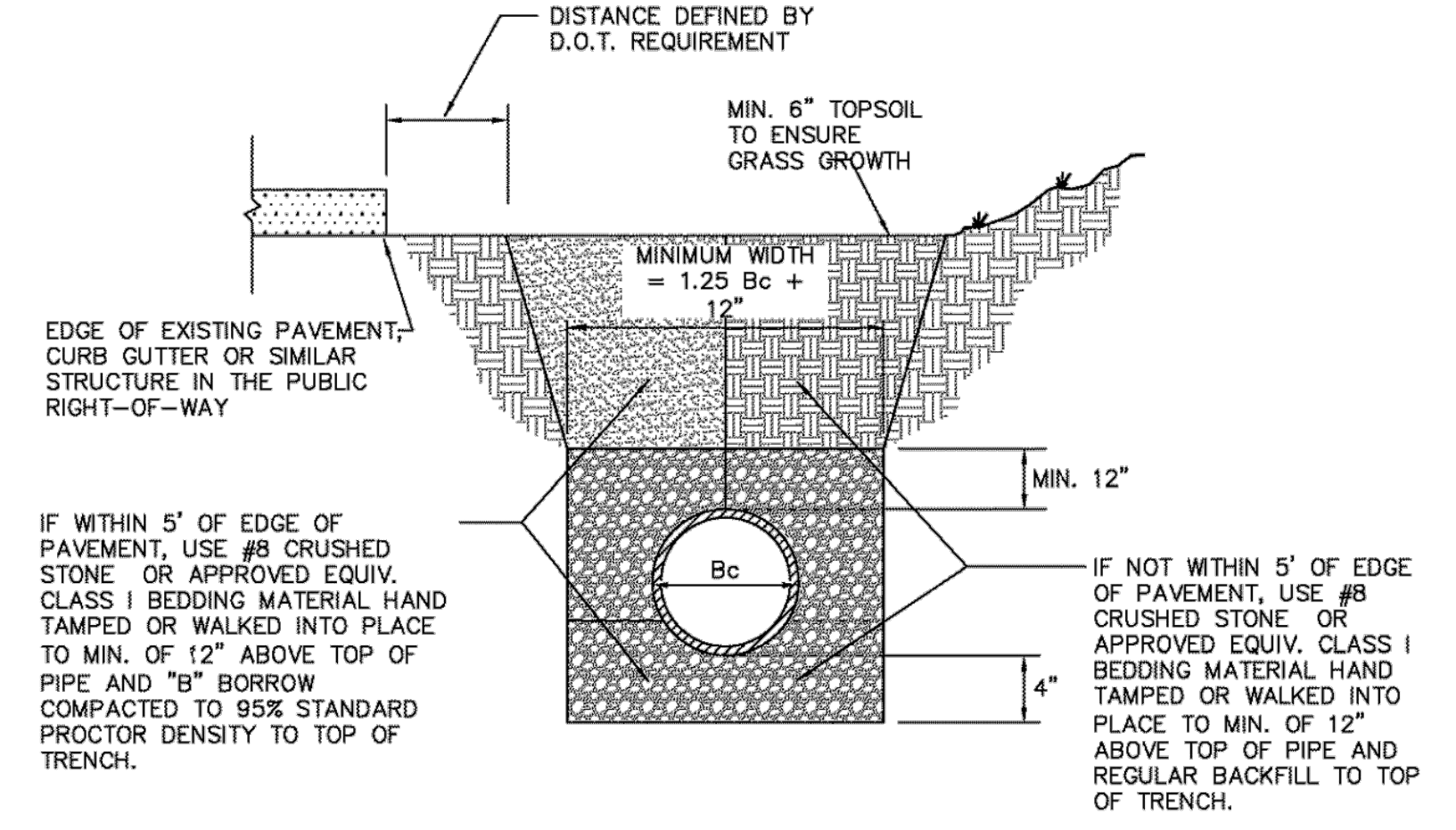


AD	SM	09-24-07	C	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE
eone				
SEWER SYSTEMS				
DETAIL SHEET				
W SERIES DUPLEX				
NA0156P01				

- NOTES:**
- ALL LATERALS TO BE DIRECTIONAL DRILLED ACROSS STREET.
 - ALL CONNECTIONS SHALL BE ELECTRO-FUSION OR THREADED TRANSITION FITTING. COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
 - IF GREATER THAN 3', CLEANOUT MUST BE IMPLEMENTED AND 6" PIPE MUST BE USED.



TYPICAL LATERAL INSTALLATION
NOT TO SCALE



- LEGEND**
- Bc= OUTSIDE DIAMETER
 - D= INSIDE DIAMETER
 - d= DEPTH OF BEDDING MATERIAL BELOW PIPE
- NOTES:**
- ALL INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.
 - A MIN. 9" OF CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.

PLASTIC PIPE (PVC & HDPE) BEDDING DETAIL
NOT TO SCALE

This document has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PAP/PM: JW/KB
DRAWN BY: NDG
JOB NO.: 2021088.41

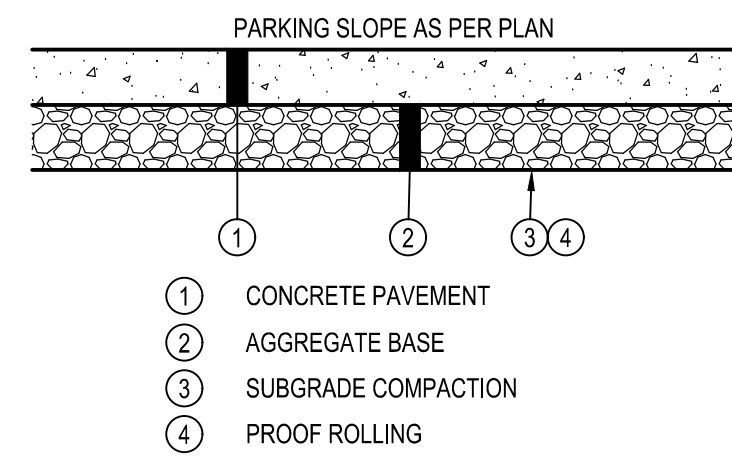
TACO BELL
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



ENDEAVOR 20
SANITARY
PUMP STATION
DETAILS

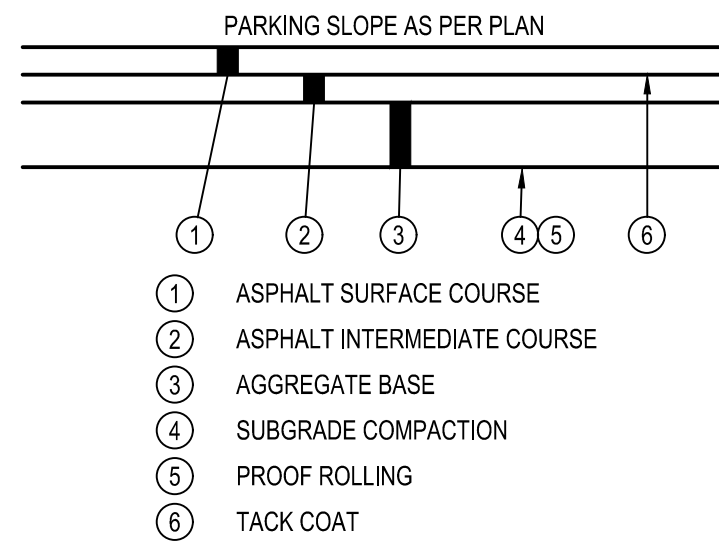
C-136

PLOT DATE:



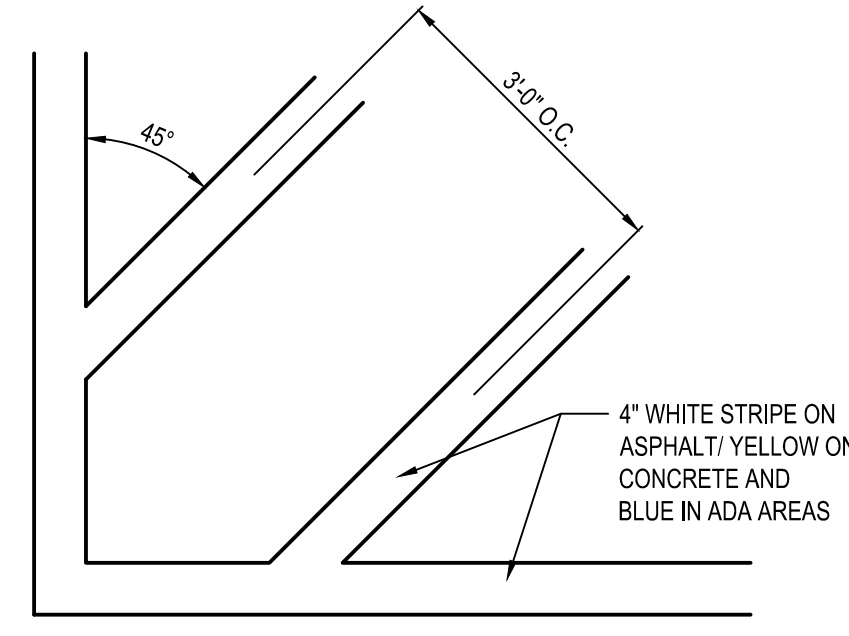
- NOTES:**
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. APPLY CONCRETE SEALANT CONFORMING TO ASTM D6690 WHERE PROPOSED CONCRETE MEETS EXISTING CONCRETE.
 2. SEE SITE PLAN FOR PAVEMENT THICKNESSES AND REINFORCEMENT.
 3. CONCRETE PAVEMENT SHALL HAVE CONTROL JOINTS PER CONCRETE NOTES SHEET C-001.

A1 TYPICAL CONCRETE PAVEMENT SECTION
N.T.S.

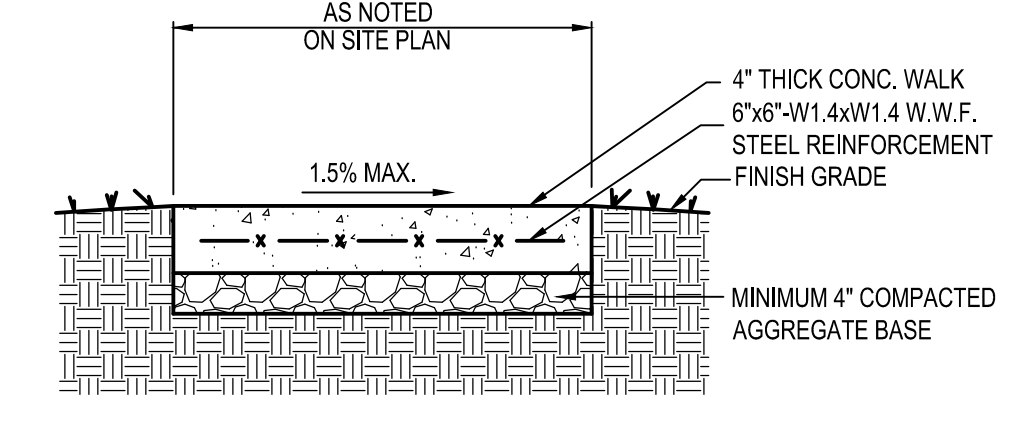


- NOTES:**
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
 2. SEE SITE PLAN FOR PAVEMENT THICKNESSES.
 3. NO RAP SHALL BE PERMITTED IN ASPHALT SURFACE COURSE.

A2 TYPICAL ASPHALT PAVEMENT SECTION
N.T.S.

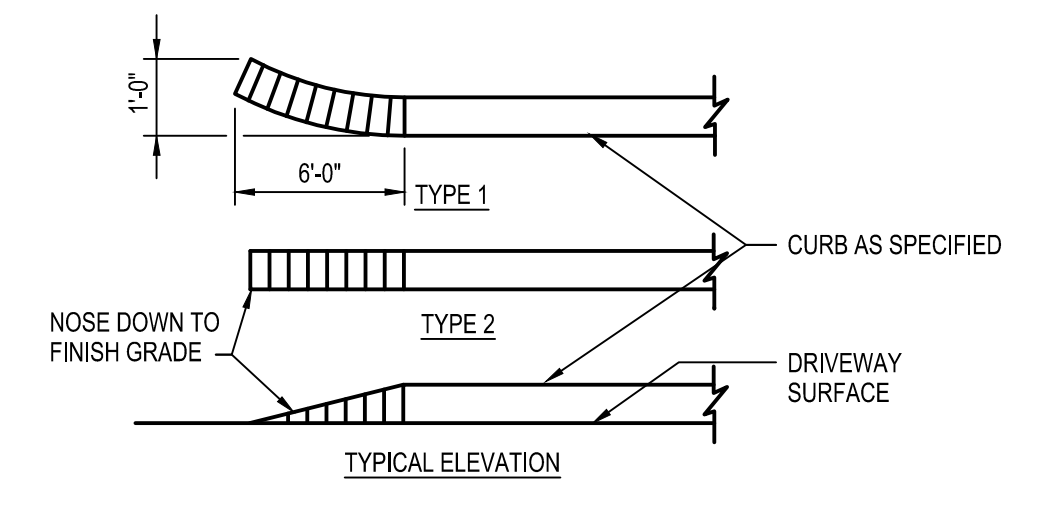


A3 TRANSVERSE STRIPING
N.T.S.

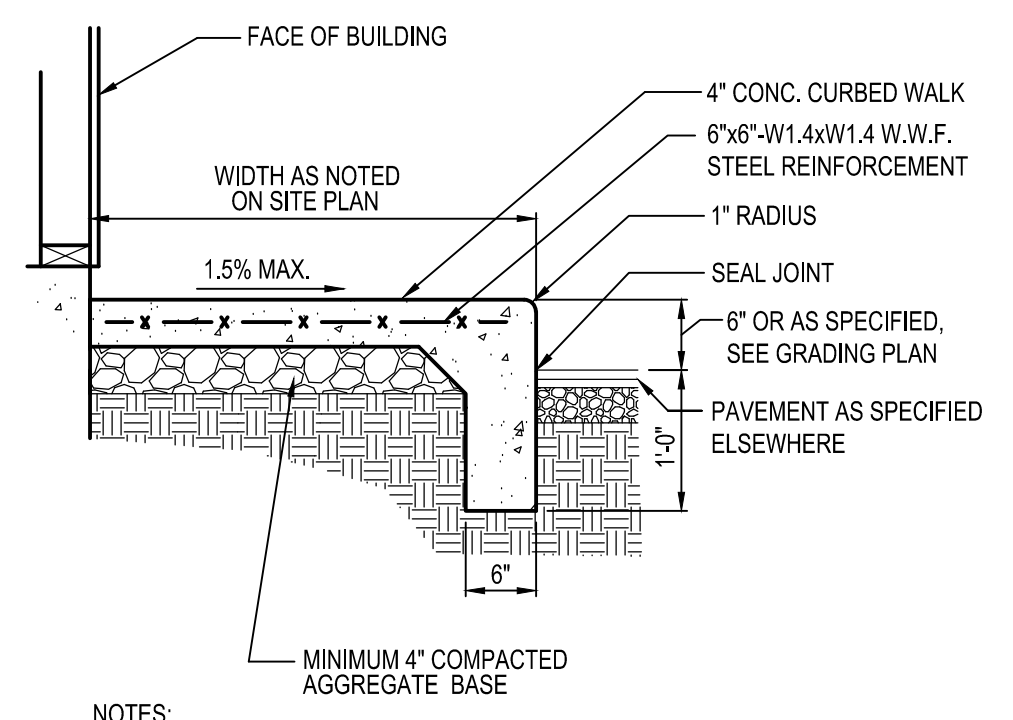


- NOTES:**
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
 2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.

A4 CONCRETE WALK
N.T.S.

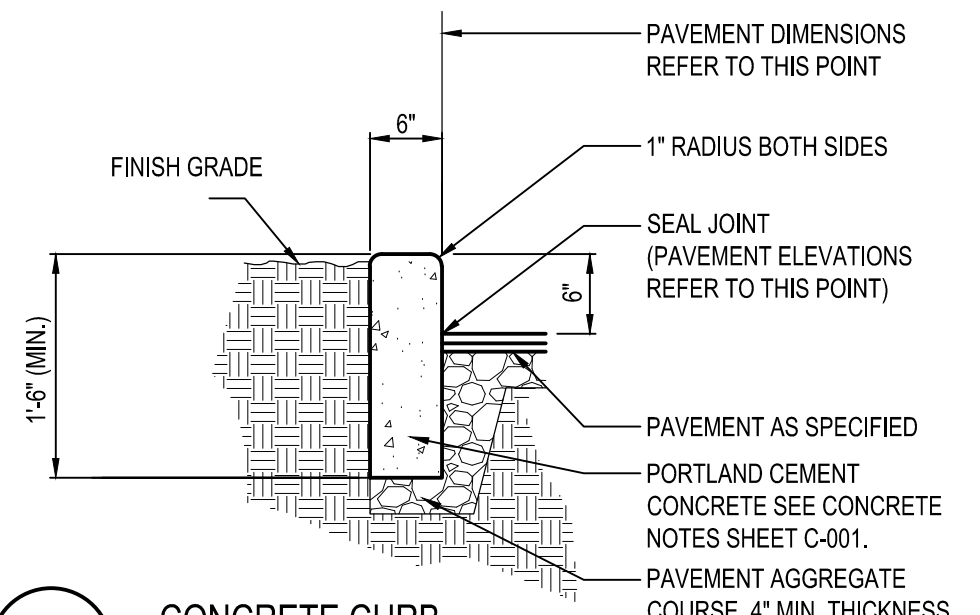


A5 CONCRETE CURB TAPER
N.T.S.

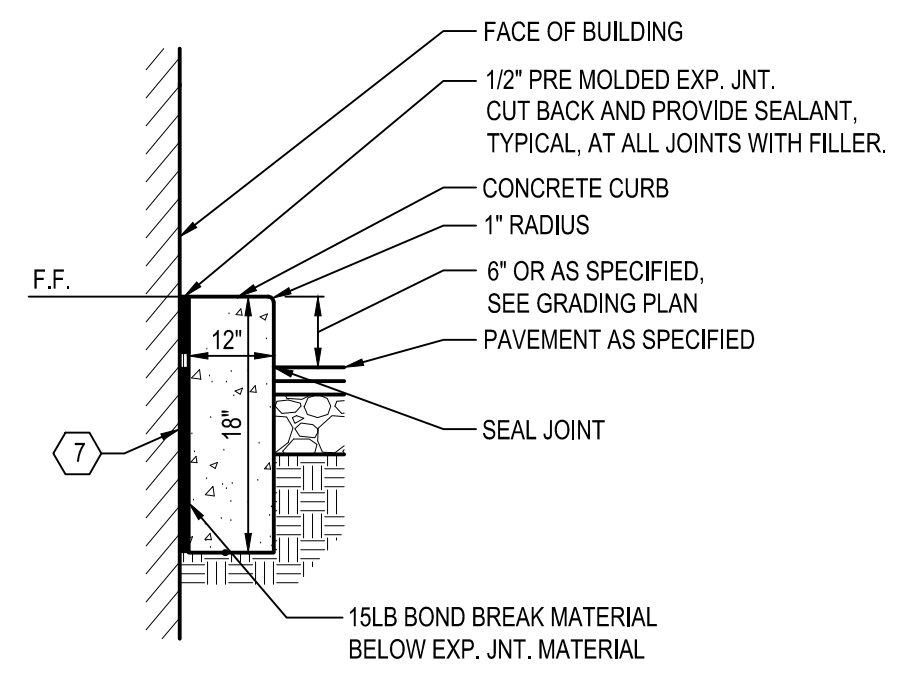


- NOTES:**
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
 2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.

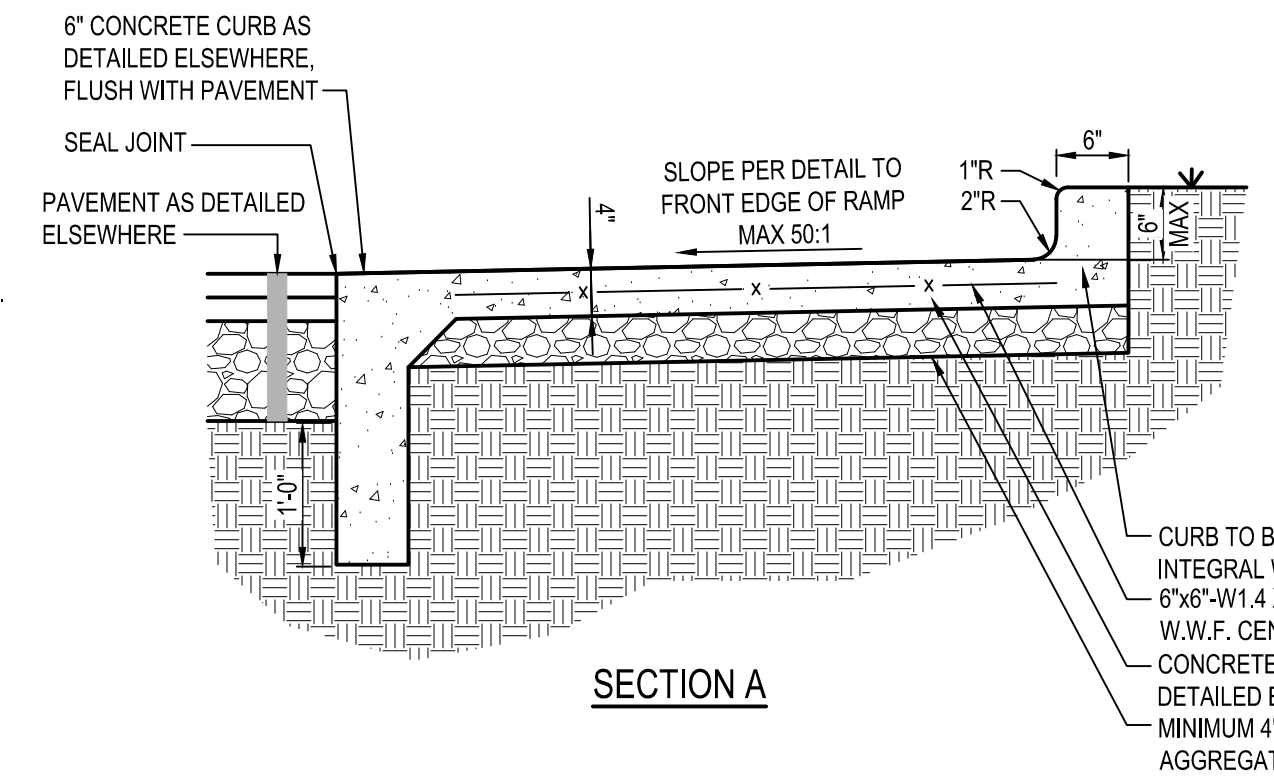
B1 CONCRETE CURBED WALK
N.T.S.



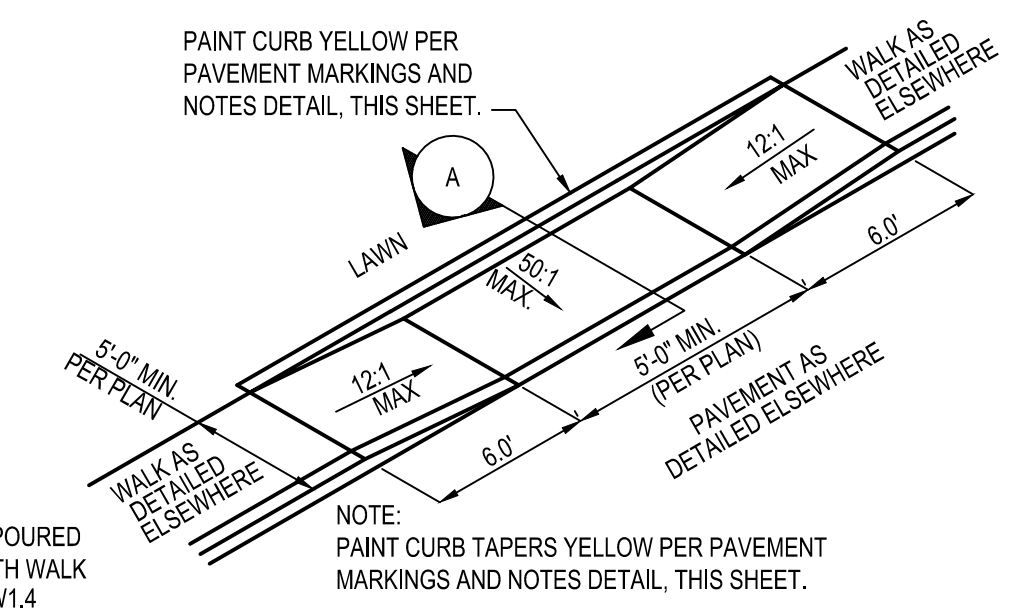
B2 CONCRETE CURB
N.T.S.



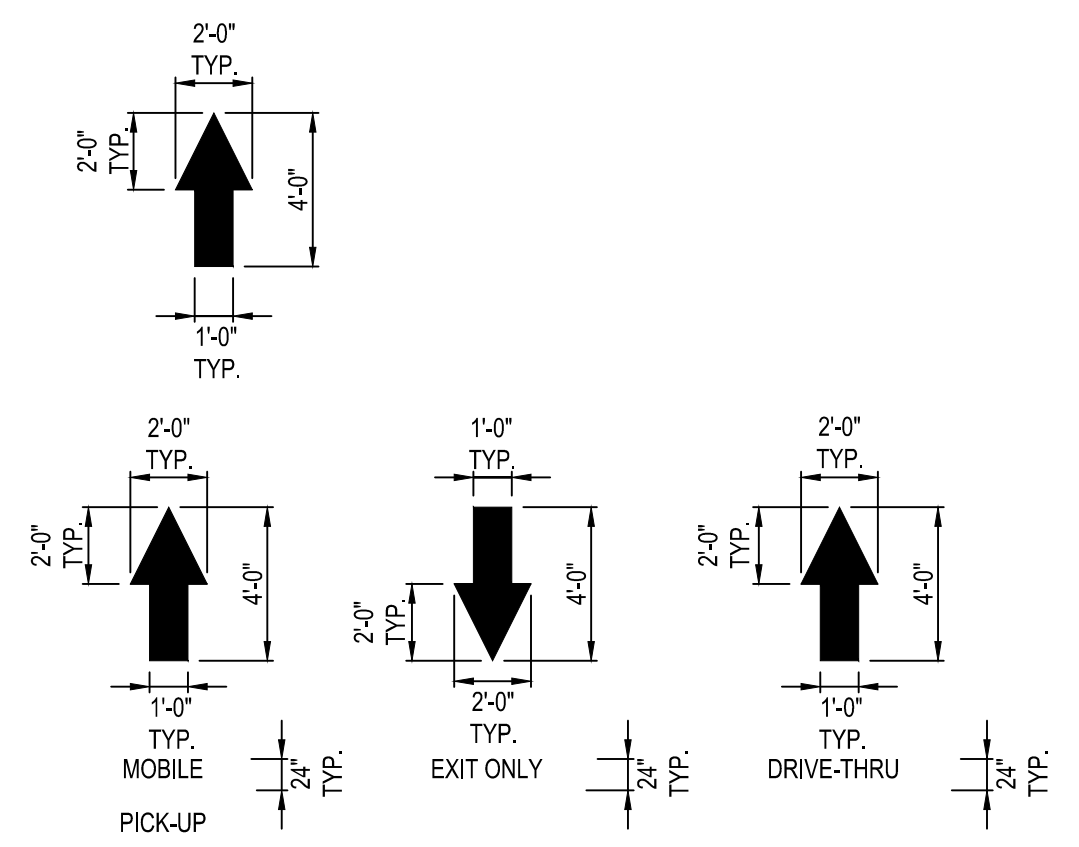
B3 CONCRETE CURB AT DRIVE THRU
N.T.S.



B4 ADA ACCESSIBLE RAMP
N.T.S.

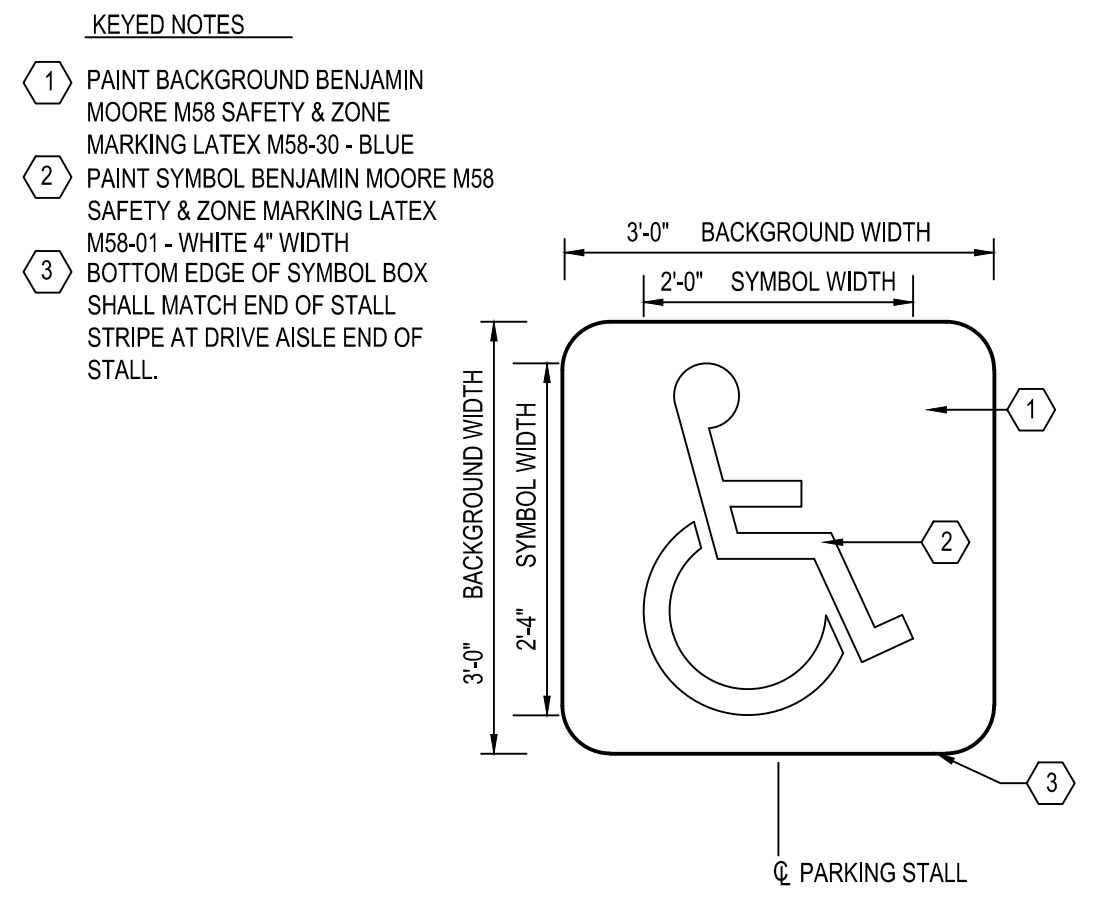


PARALLEL RAMP
N.T.S.

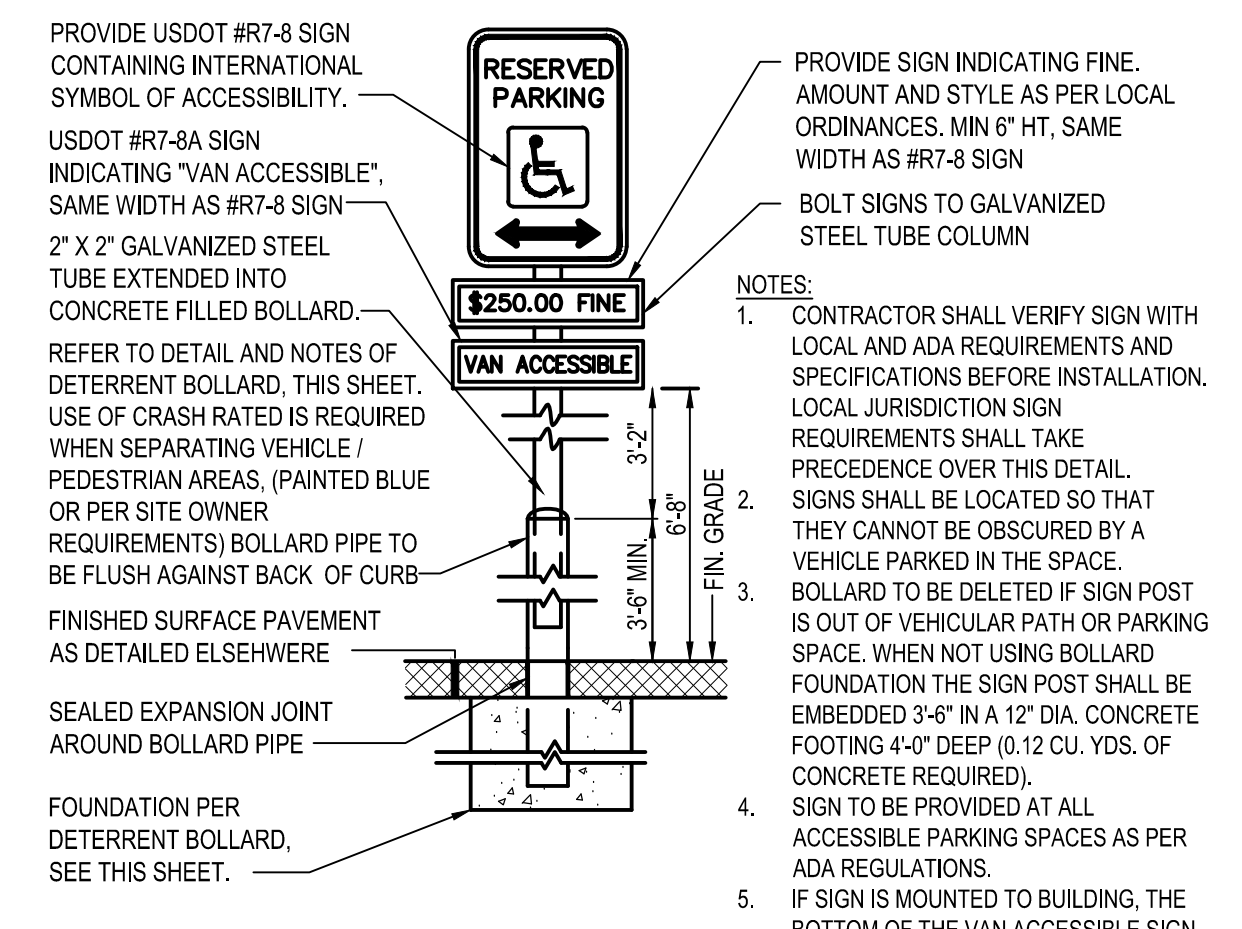


- NOTES:**
1. ALL PAVEMENT MARKINGS TO BE WHITE PAVEMENT PAINT, UNLESS STATED OTHERWISE. ALL PAVEMENT MARKINGS WITHIN ADA AREAS SHALL BE PAINTED BLUE EXCEPT FOR COLORS DEFINED ON THE ADA PAVEMENT SYMBOL.
 2. MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND SYMBOLS, ETC., PER LOCAL REQUIREMENTS AND AS FOLLOWS:
 3. PAVEMENT MARKINGS SHALL BE PER INDOT SECTION 921.
 4. PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMP.
 5. APPLY 2 COATS WITH STRAIGHT EDGES, YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT. CONTRACTOR SHALL APPLY THE SECOND COAT NO SOONER THAN 30 DAYS OF APPLYING THE FIRST COAT.

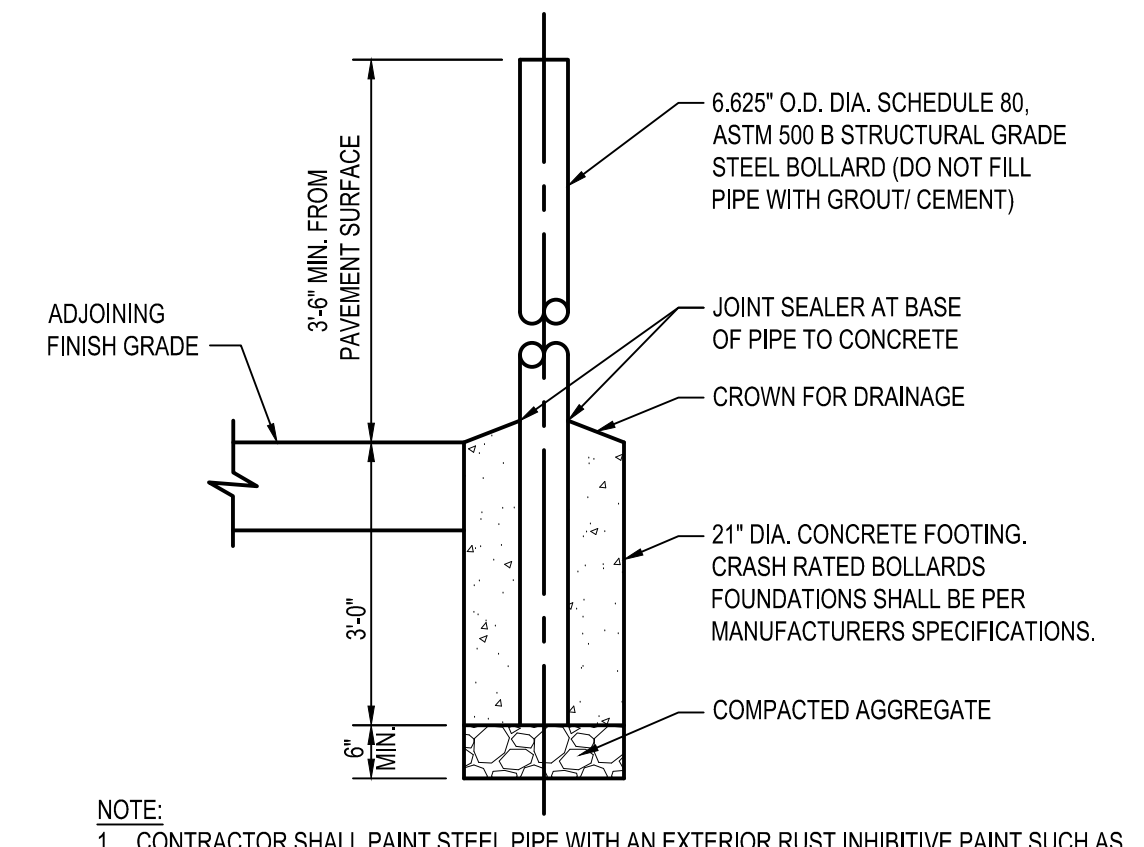
C1 PAVEMENT MARKINGS & NOTES
N.T.S.



C2 ADA PAVEMENT SYMBOL
N.T.S.

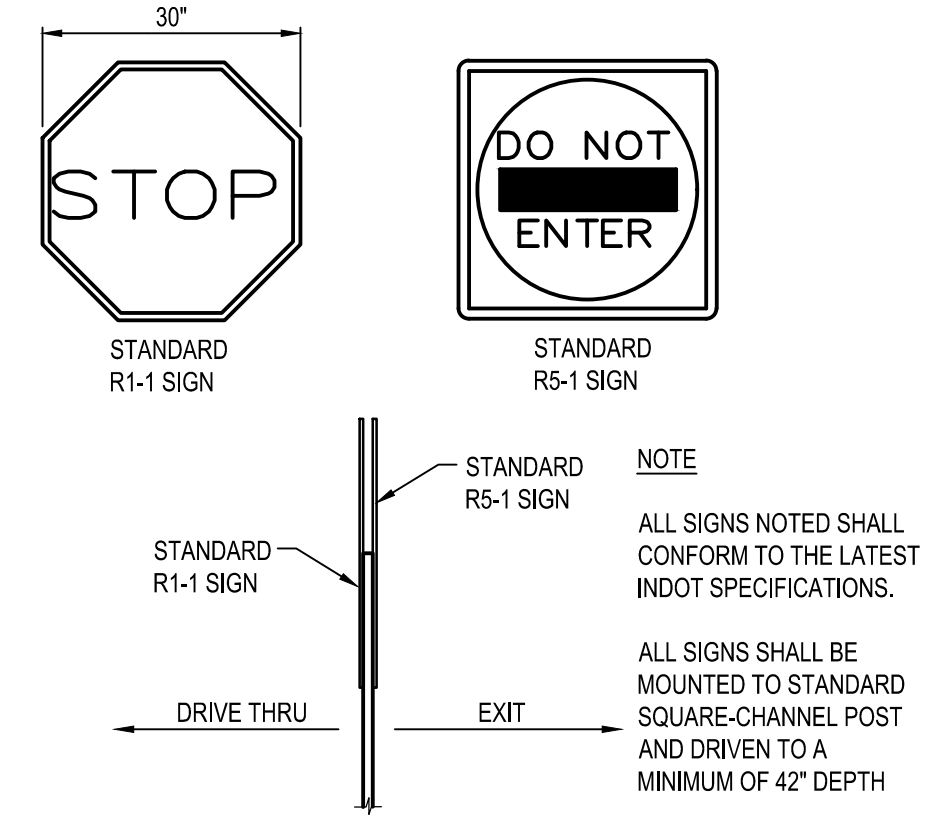


C3 HANDICAPPED PARKING SIGN
N.T.S.



- NOTE:**
1. CONTRACTOR SHALL PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B88W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS AND PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER. COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.
 2. WHERE UTILIZED FOR PEDESTRIAN SEPARATION/ PROTECTION CONTRACTOR SHALL INSTALL A CRASH RATED BOLLARD AND FOOTING PER ASTM F3016/3016M. TYPICAL SPACING OF 5'-6" CENTER TO CENTER WITH AN ANTICIPATED S20 RATING FOR BIDDING PURPOSES - FINAL SPACING AND RATING SHALL BE IN ACCORDANCE WITH ASTM AND THE MANUFACTURERS REQUIREMENTS FOR PROPOSED LOCATIONS AND POSSIBLE VEHICLE APPROACH SPEED. UTILIZATION OF CRASHCORE BOLLARD BY MCCUE.COM OR APPROVED EQUAL SHALL BE IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS, CONTACT MANUFACTURER(S) FOR DETAILS.

C4 DETERRENT BOLLARD
N.T.S.



C5 DO NOT ENTER & STOP SIGN
N.T.S.

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
 BUILDING TYPE: END20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PAV/PM: JW/KB
 DRAWN BY.: NDG
 JOB NO.: 2021088.41

TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140

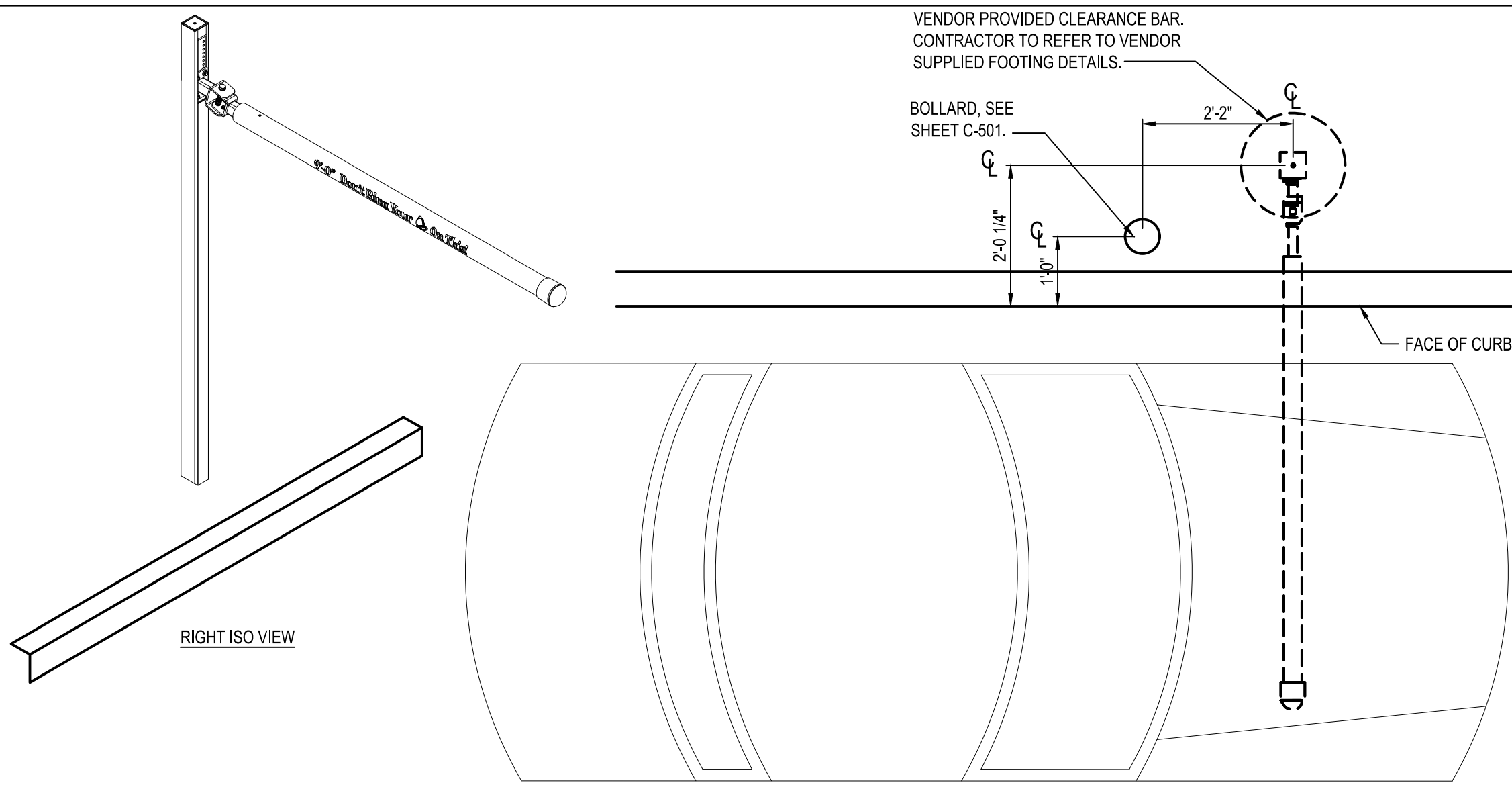


ENDEAVOR 20

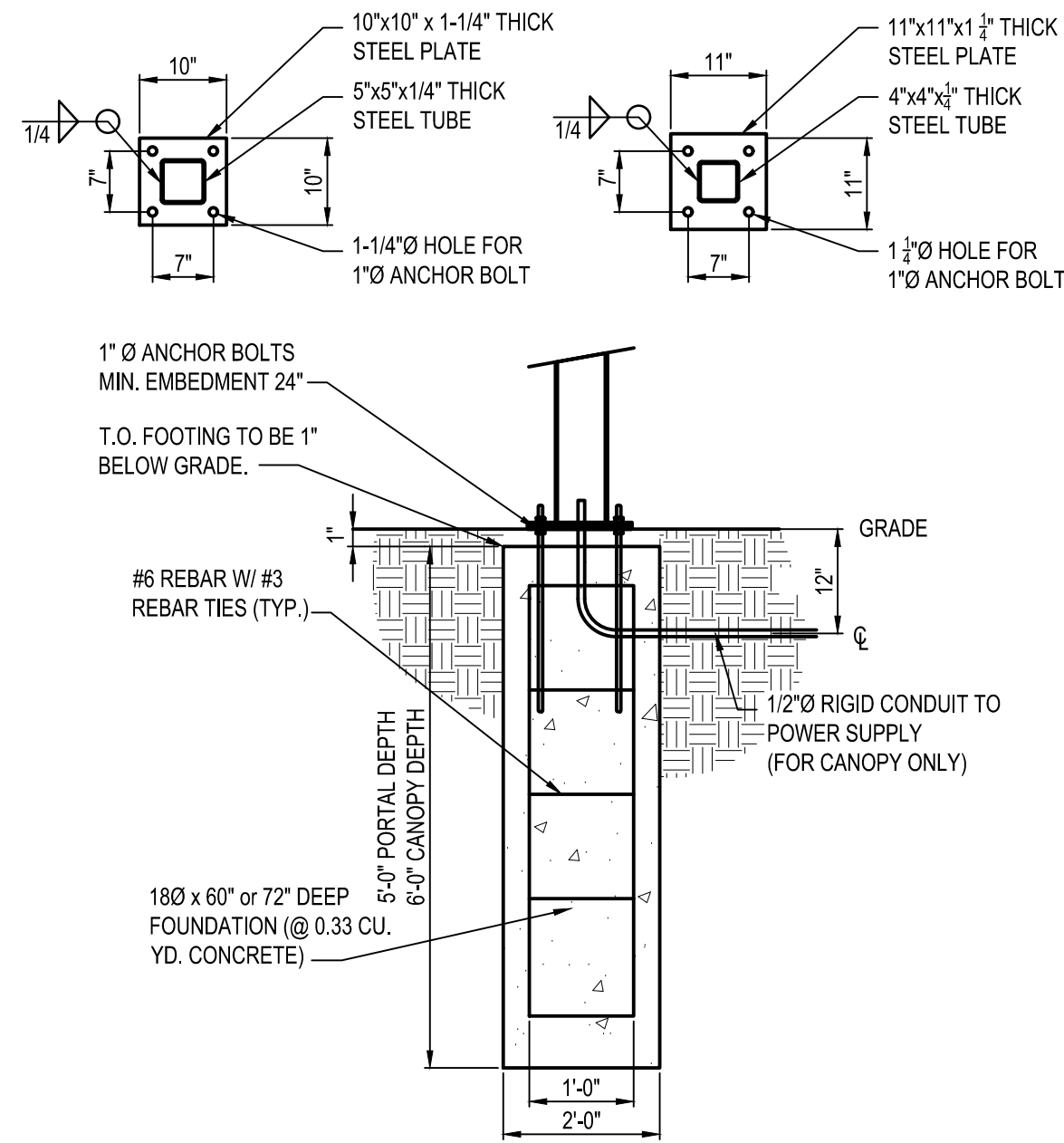
DETAILS

C-501

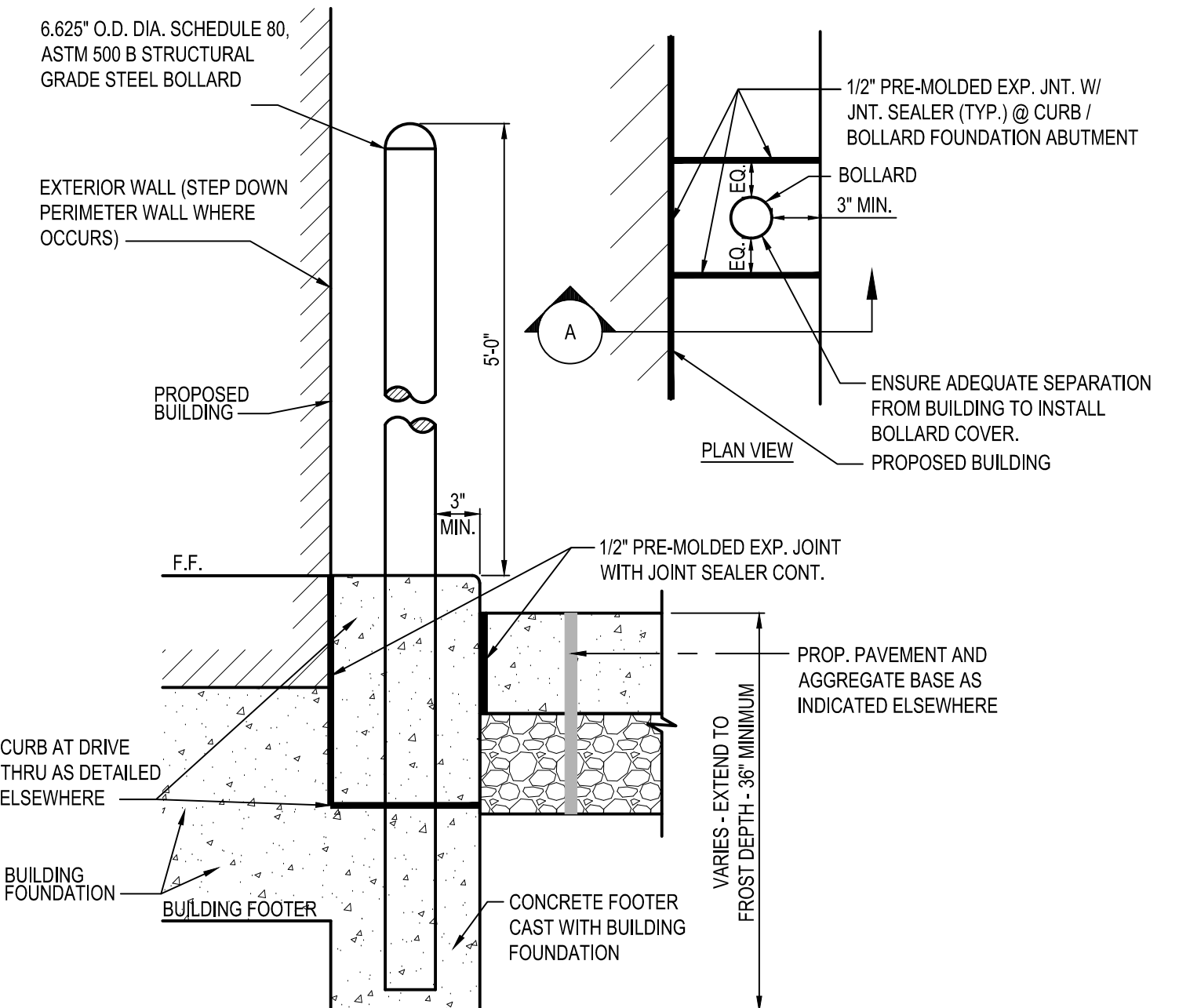
PLOT DATE:



A1 PORTAL PLACEMENT DETAIL
N.T.S.

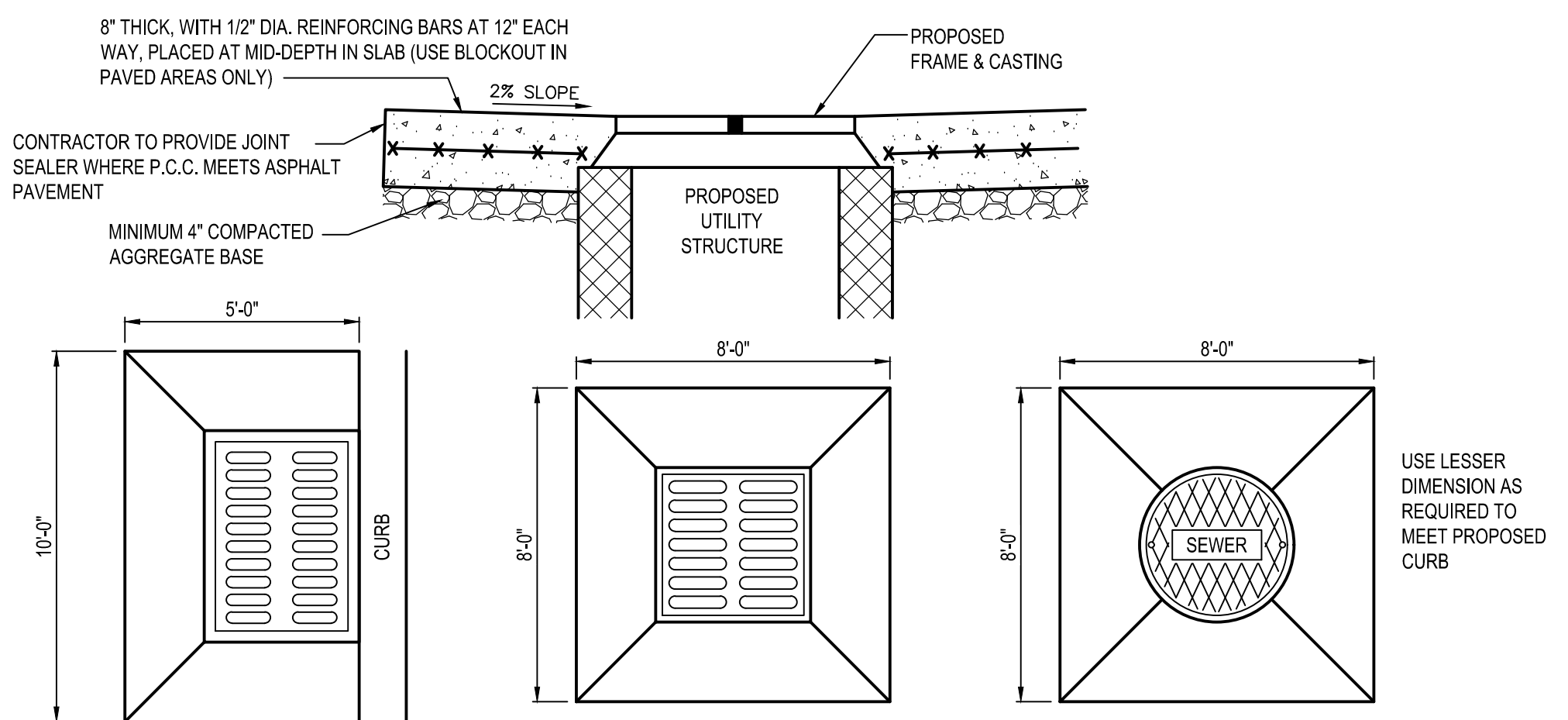


B2 EVOLUTION FOUNDATION DETAIL
N.T.S.

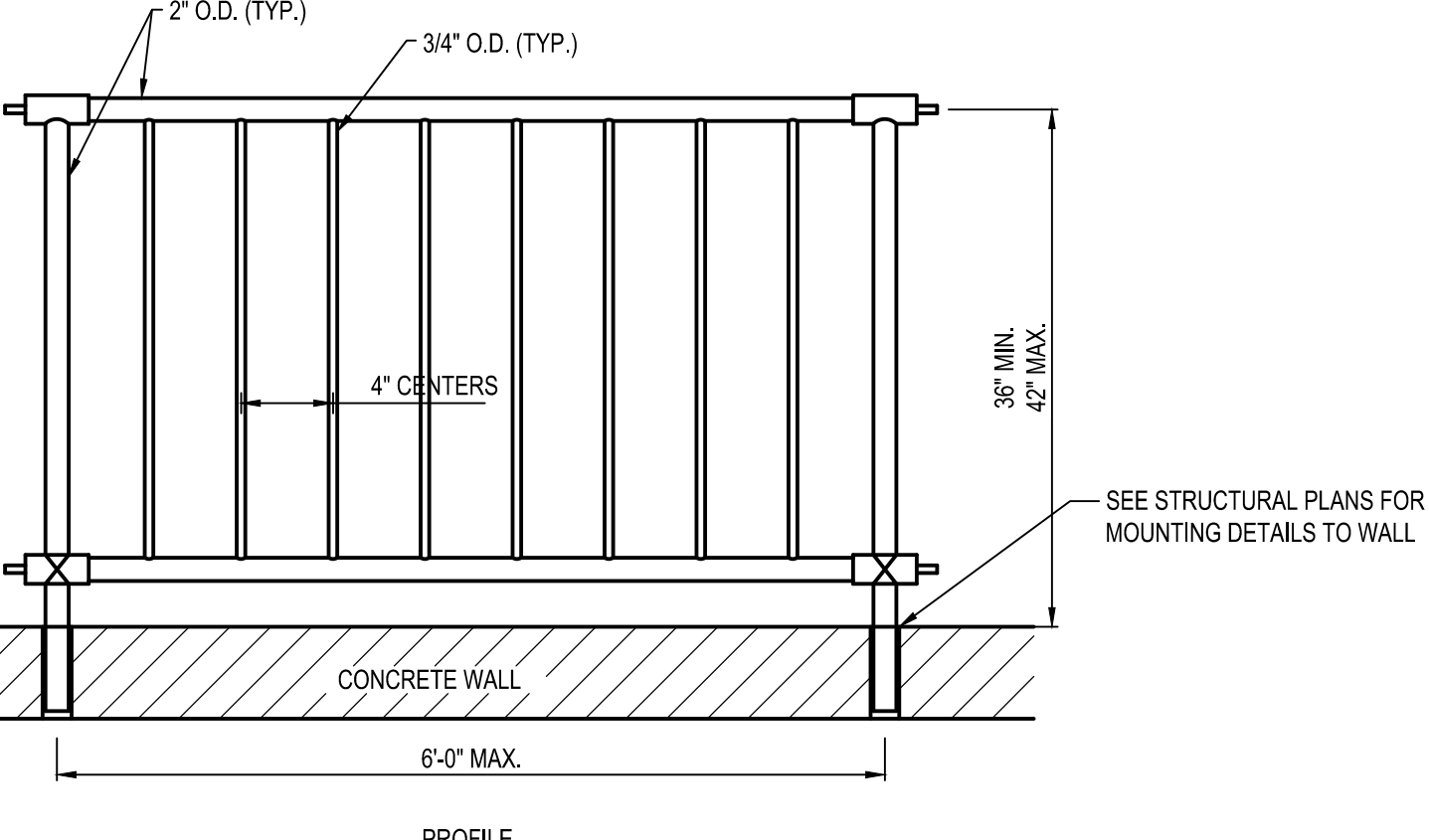


- NOTE:**
- CONTRACTOR SHALL PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (888W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS AND PROVIDE A YELLOW BOLLARD COVER COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.
 - WHERE UTILIZED FOR PEDESTRIAN SEPARATION/ PROTECTION CONTRACTOR SHALL INSTALL A CRASH RATED BOLLARD AND FOOTING PER ASTM F3016/3016M. TYPICAL SPACING OF 5'-6" CENTER TO CENTER WITH AN ANTICIPATED S20 RATING FOR BIDDING PURPOSES - FINAL SPACING AND RATING SHALL BE IN ACCORDANCE WITH ASTM AND THE MANUFACTURERS REQUIREMENTS FOR PROPOSED LOCATIONS AND POSSIBLE VEHICLE APPROACH SPEED. UTILIZATION OF GRASHCORE BOLLARD BY MCCUE.COM OR APPROVED EQUAL SHALL BE IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS. CONTACT MANUFACTURER(S) FOR DETAILS.

B4 DETERRENT BOLLARD IN CURB
N.T.S.

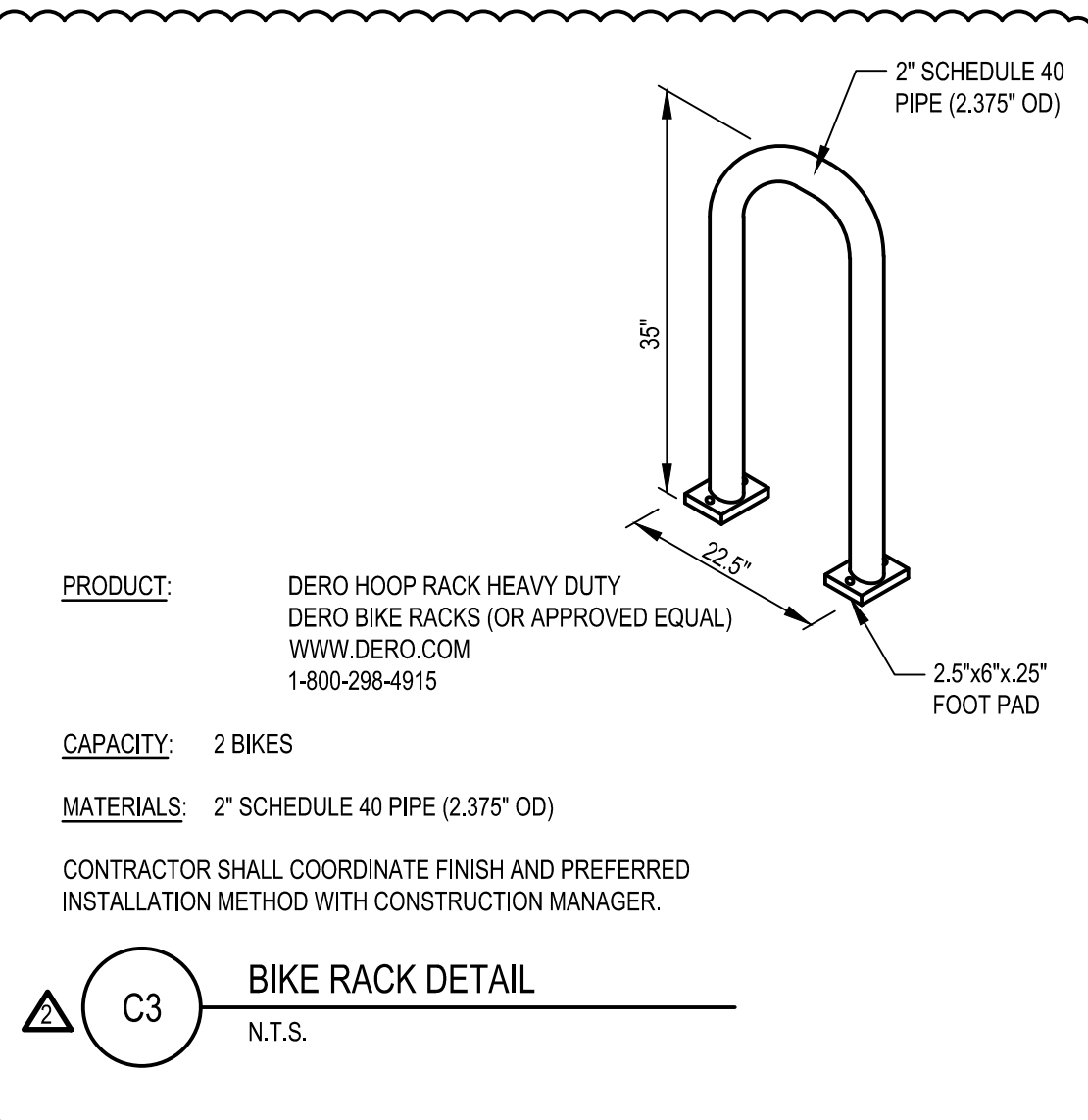


B1 CONCRETE COLLAR
N.T.S.

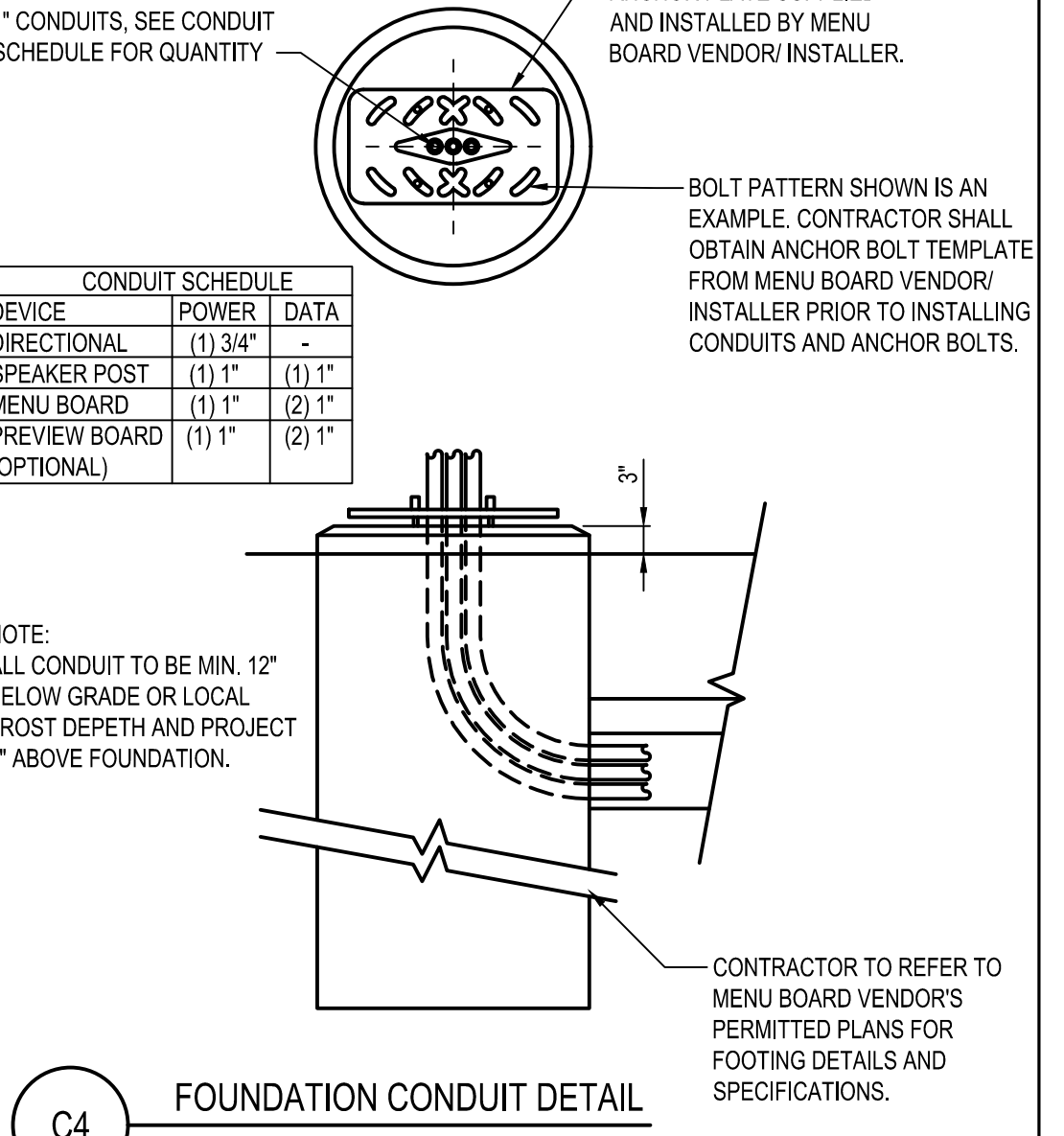


- PIPE RAILING NOTES**
- RAILING SHALL BE CV PIPE RAIL OR APPROVED EQUAL. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 - SHOP DRAWINGS OF RAIL SHALL BE SUBMITTED FOR APPROVAL SHOWING COMPLETE DIMENSIONS AND DETAILS OF FABRICATION INCLUDING AN ERECTION DIAGRAM. MATERIALS BEING USED SHALL BE SPECIFIED IN THE SHOP DRAWINGS.
 - ALL ALUMINUM PARTS SHALL BE GIVEN CLEAR ANODIC COATING AT LEAST 0.0006 INCHES THICK AND HOT WATER SEALED AND SHALL HAVE A UNIFORM FINISH.
 - PIPE RAILING AND PIPE SPLICES MAY BE HEATED TO NOT MORE THAN 400° FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING.
 - CUTTING SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE TRUE AND SMOOTH. FLAME CUTTING WILL NOT BE PERMITTED.
 - PIPE RAILING, PIPE BALUSTERS AND PIPE RAILING SPLICES SHALL BE ADEQUATELY WRAPPED TO ENSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION TO THE JOB SITE.
 - WELDING OF ALUMINUM SHALL BE IN ACCORDANCE WITH SECTION 5 OF THE LATEST AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
 - ALLOW FOR EXPANSION AT APPROXIMATELY EVERY FOURTH POST.
 - RAILS, POSTS AND FORMED ELBOWS SHALL BE A.S.T.M. B-241 OR B-429. ALLOW 6063-T6 SCHEDULE REINFORCING SLEEVES SHALL BE DRAWN ALUMINUM TUBING 6063-T832.
 - RAILINGS SHALL RESIST A CONCENTRATED LOAD OF 200# IN ANY DIRECTION & A 50# LF LOAD IN ANY DIRECTION. (NOT CONCURRENTLY)

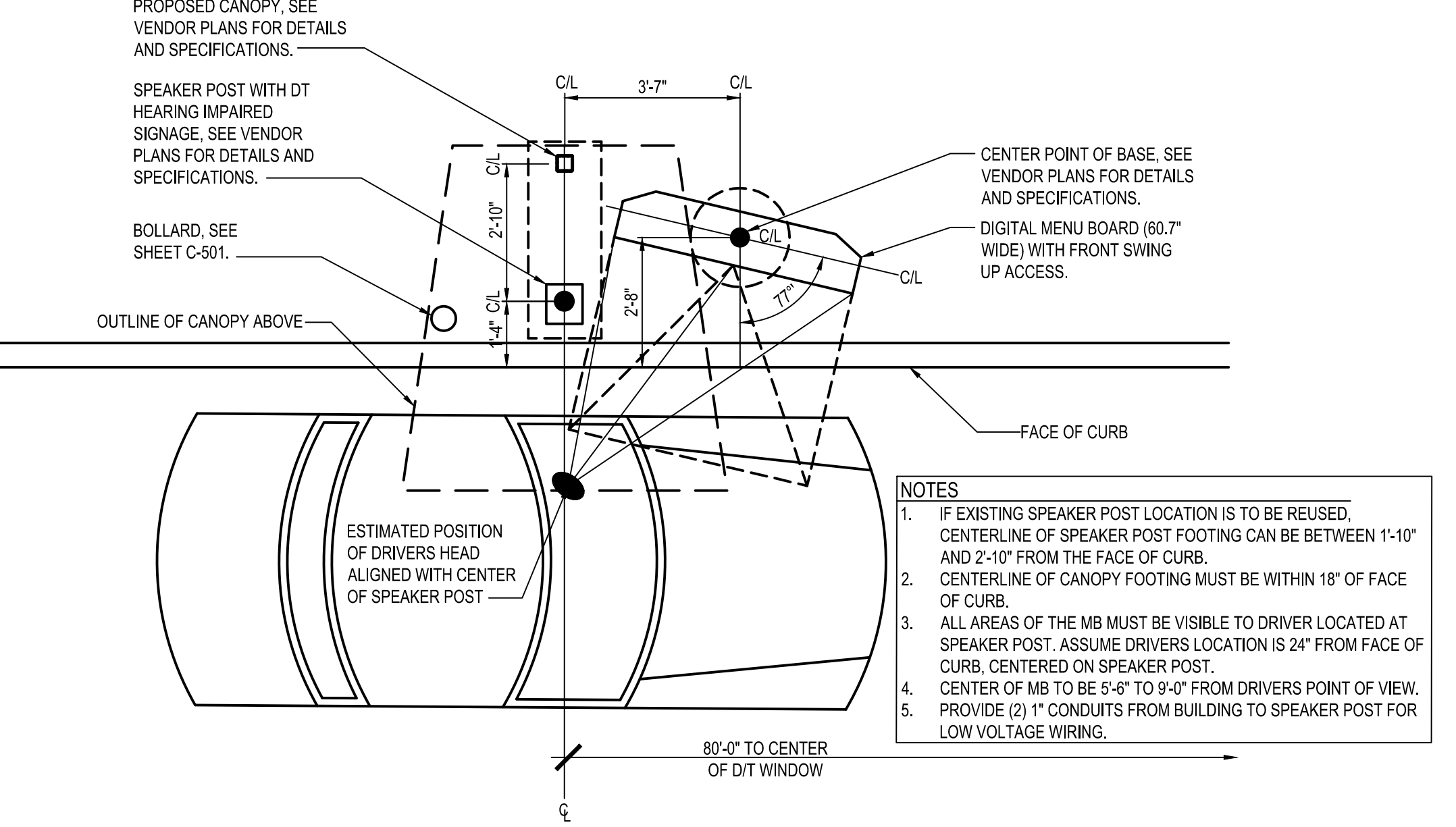
C2 PEDESTRIAN GUARD RAIL
N.T.S.



C3 BIKE RACK DETAIL
N.T.S.



C4 FOUNDATION CONDUIT DETAIL
N.T.S.



C1 ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB
N.T.S.

DATE	REMARKS
04/04/2022	REVISION #2 - COUNTY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
 BUILDING TYPE: END20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PA/PM: JW/KB
 DRAWN BY.: NDG
 JOB NO.: 2021088.41

TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140

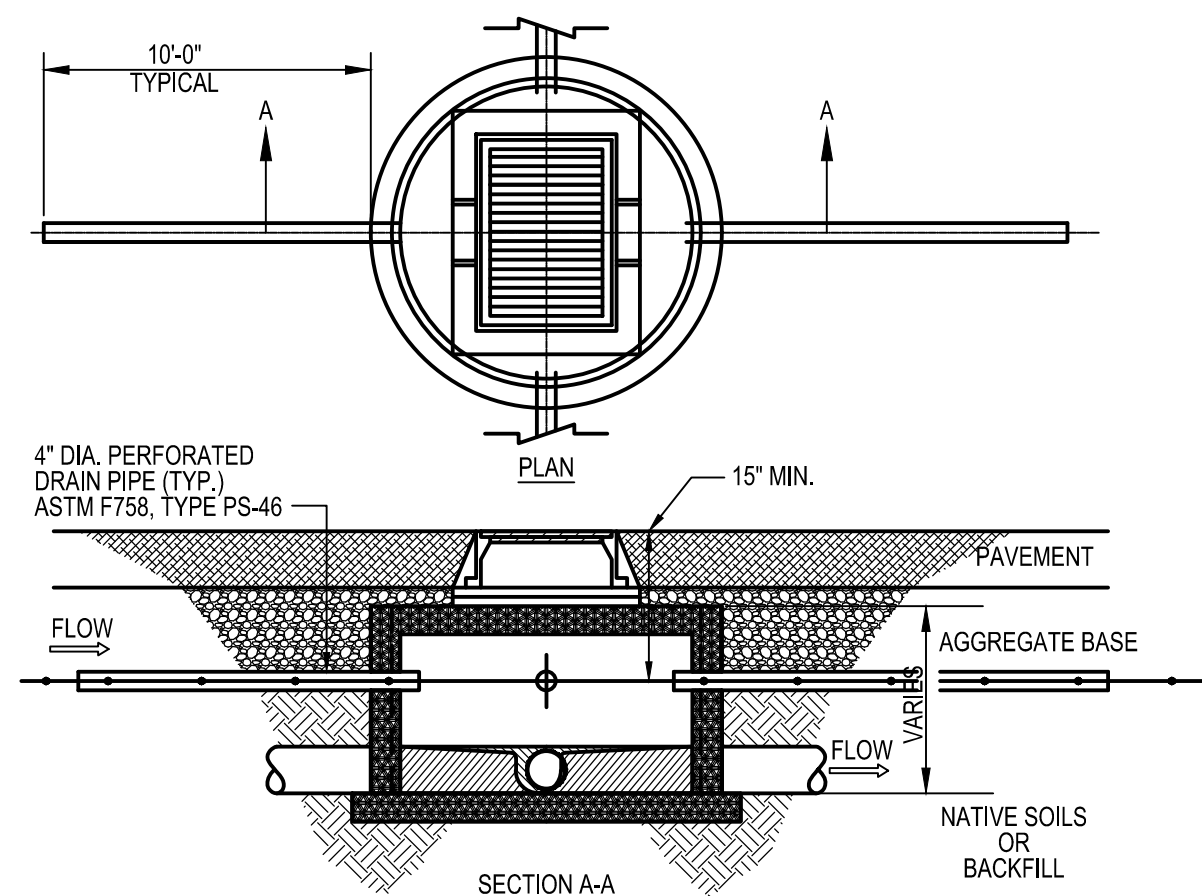


ENDEAVOR 20
 DETAILS

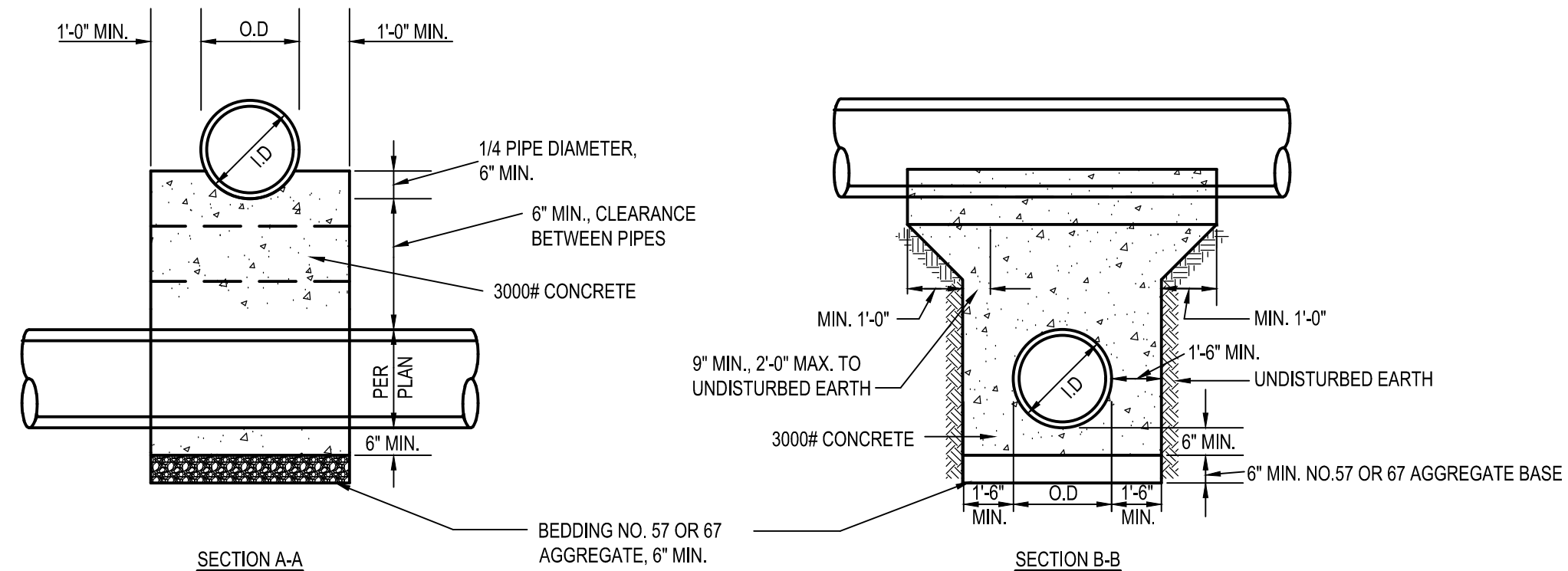
C-502

PLOT DATE:

Drawing Name: C:\202102108841 - Greenfield, IN (M Compton)\Working Files\00_CAD\00_Dwg\C\502-2021088.41 TS Notes Details.dwg
 April 28, 2022 - mkinler



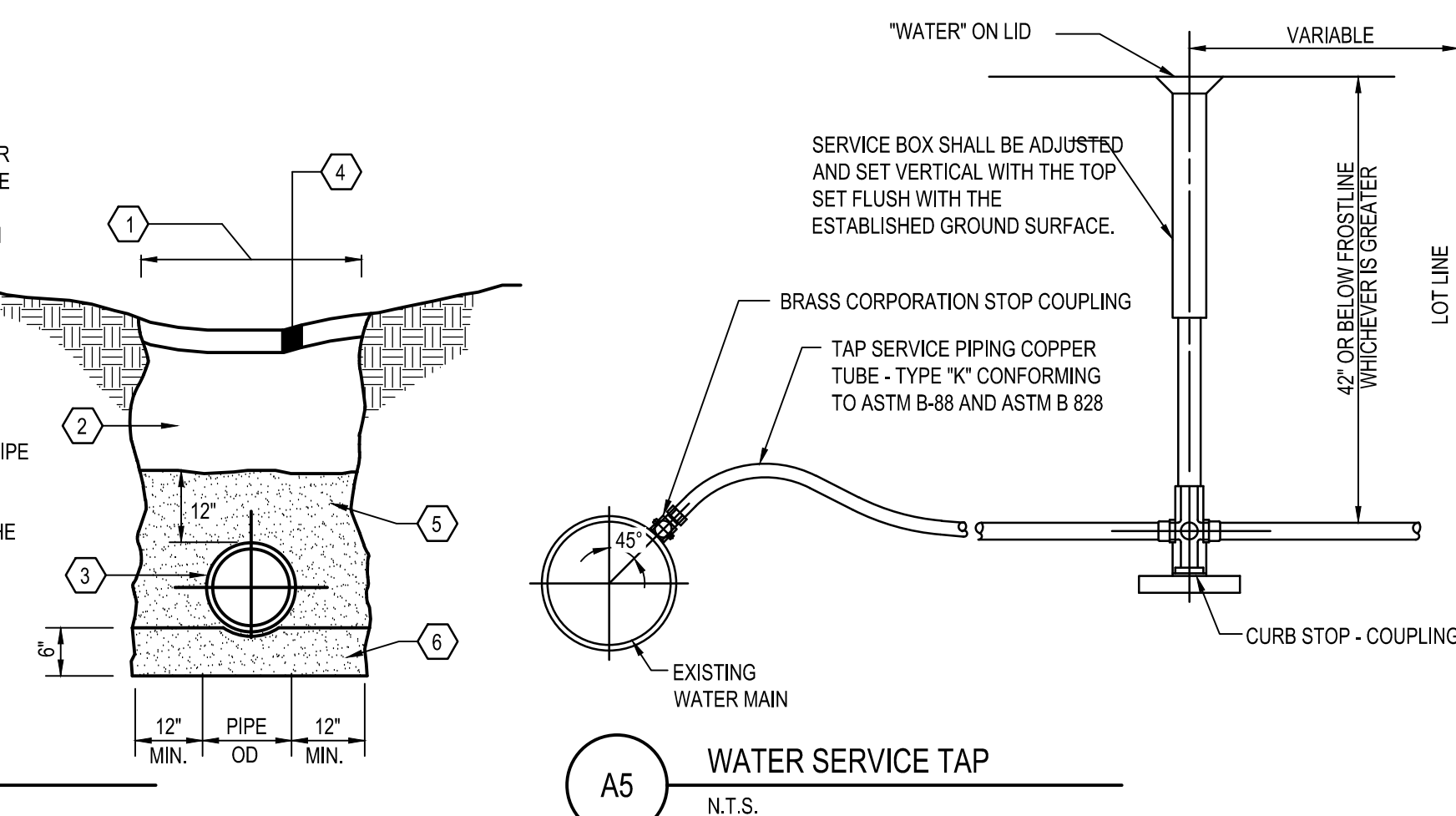
A1 FINGER DRAIN DETAIL
N.T.S.



A2 CONCRETE ENCASEMENT MONOLITHIC CRADLING OF UPPER PIPE FOR CROSSINGS WITH LESS THAN 18" MINIMUM CLEARANCE
N.T.S.

- KEYED NOTES**
- EXCAVATE WIDTH OF TRENCH AS NEEDED
 - PLACE SUITABLE SOIL OR GRANULAR BACKFILL IN 6" MAX. LIFTS. SUITABLE SOIL SHALL BE COMPACTED TO 90% MIN. (98% MIN. UNDER PAVEMENT) DRY DENSITY. PER ASTM D698. GRANULAR BACKFILL SHALL BE COMPACTED TO 75% (80% UNDER PAVEMENT) RELATIVE DENSITY, PER ASTM 4353. GRANULAR BACKFILL REQUIRED UNDER PAVEMENT.
 - PROPOSED STORM OR SANITARY SEWER
 - TOPSOIL, SEED/SOD, AND MULCHING OR PAVEMENT AS DETAILED ELSEWHERE.
 - NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE
 - NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 6" BELOW THE BOTTOM OF THE PIPE

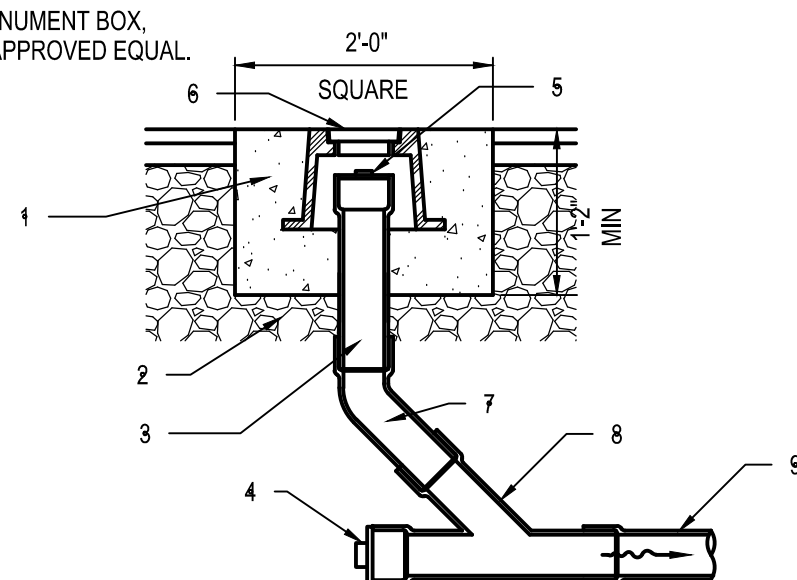
A4 SEWER TRENCH
N.T.S.



A5 WATER SERVICE TAP
N.T.S.

KEYED NOTES

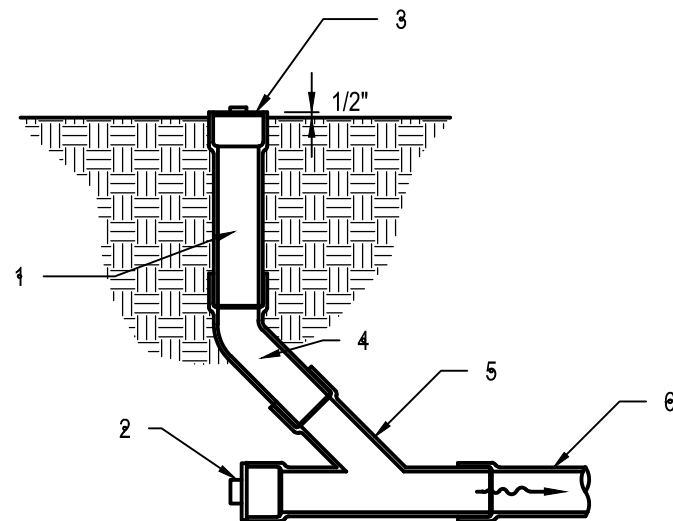
- CONCRETE, MATCH PAVEMENT SPEC.
- 6" (MIN.) AGGREGATE BASE
- 6" DIA. CLEAN-OUT PIPE
- CAP AND SEAL CONDUIT
- THREADED CLEAN-OUT CAP
- CAST-IRON MONUMENT BOX, E.I.W. 1565 OR APPROVED EQUAL.
- 45° BEND
- WYE
- SEWER



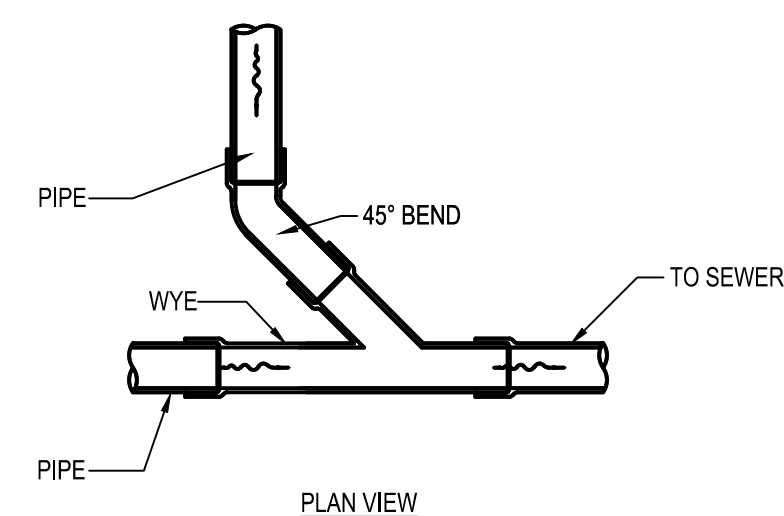
B1 CLEAN OUT (PAVEMENT AREA)
N.T.S.

KEYED NOTES

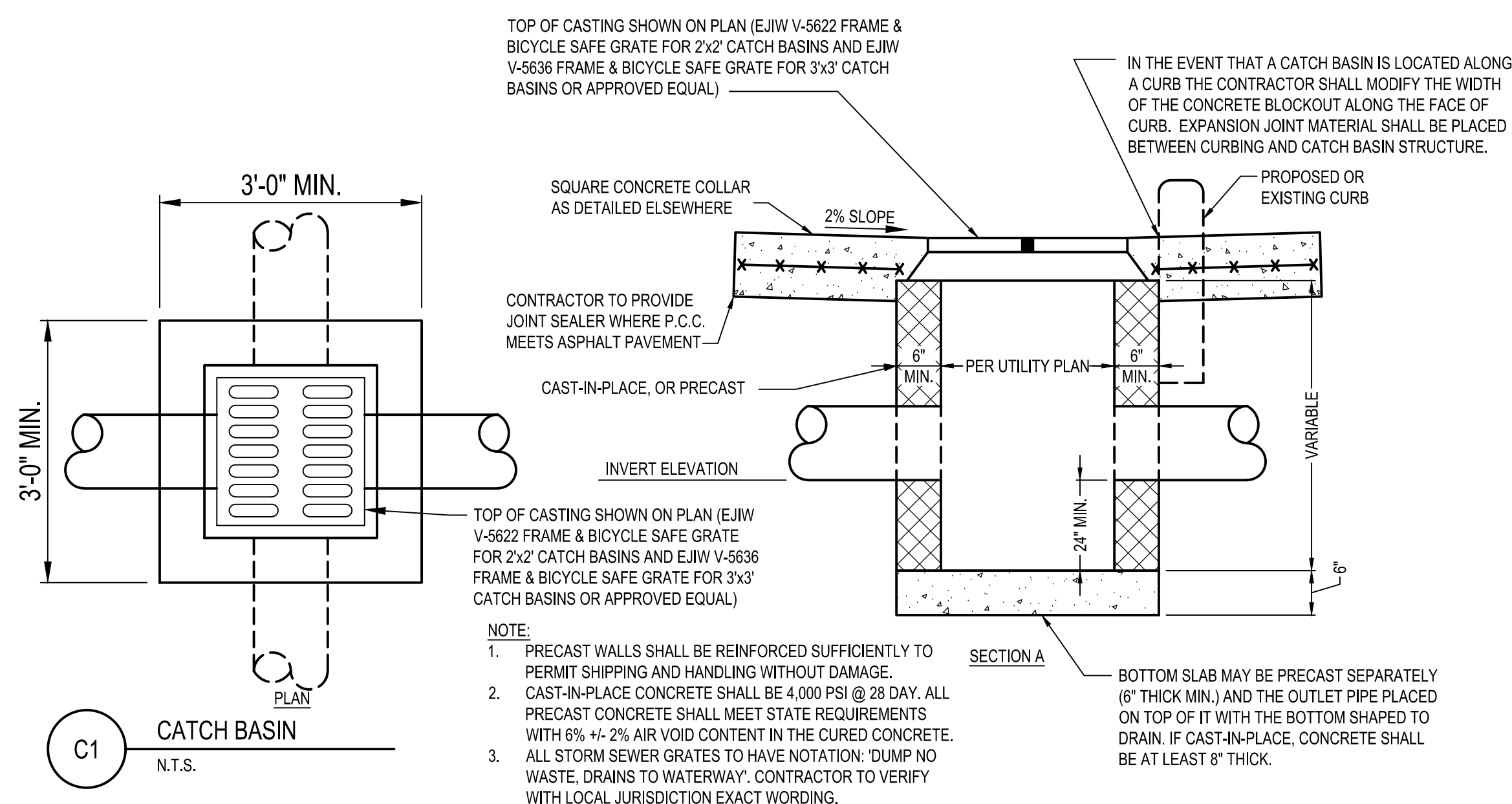
- 6" DIA. CLEAN-OUT PIPE
- CAP AND SEAL CONDUIT
- THREADED CLEAN-OUT CAP
- 45° BEND
- WYE
- SEWER



B2 CLEAN OUT (LAWN AREA)
N.T.S.



B3 WYE CONNECTION
N.T.S.



C1 CATCH BASIN
N.T.S.

TOP OF CASTING SHOWN ON PLAN (E.I.W. V-5622 FRAME & BICYCLE SAFE GRATE FOR 2'x2' CATCH BASINS AND E.I.W. V-5636 FRAME & BICYCLE SAFE GRATE FOR 3'x3' CATCH BASINS OR APPROVED EQUAL)

SQUARE CONCRETE COLLAR AS DETAILED ELSEWHERE

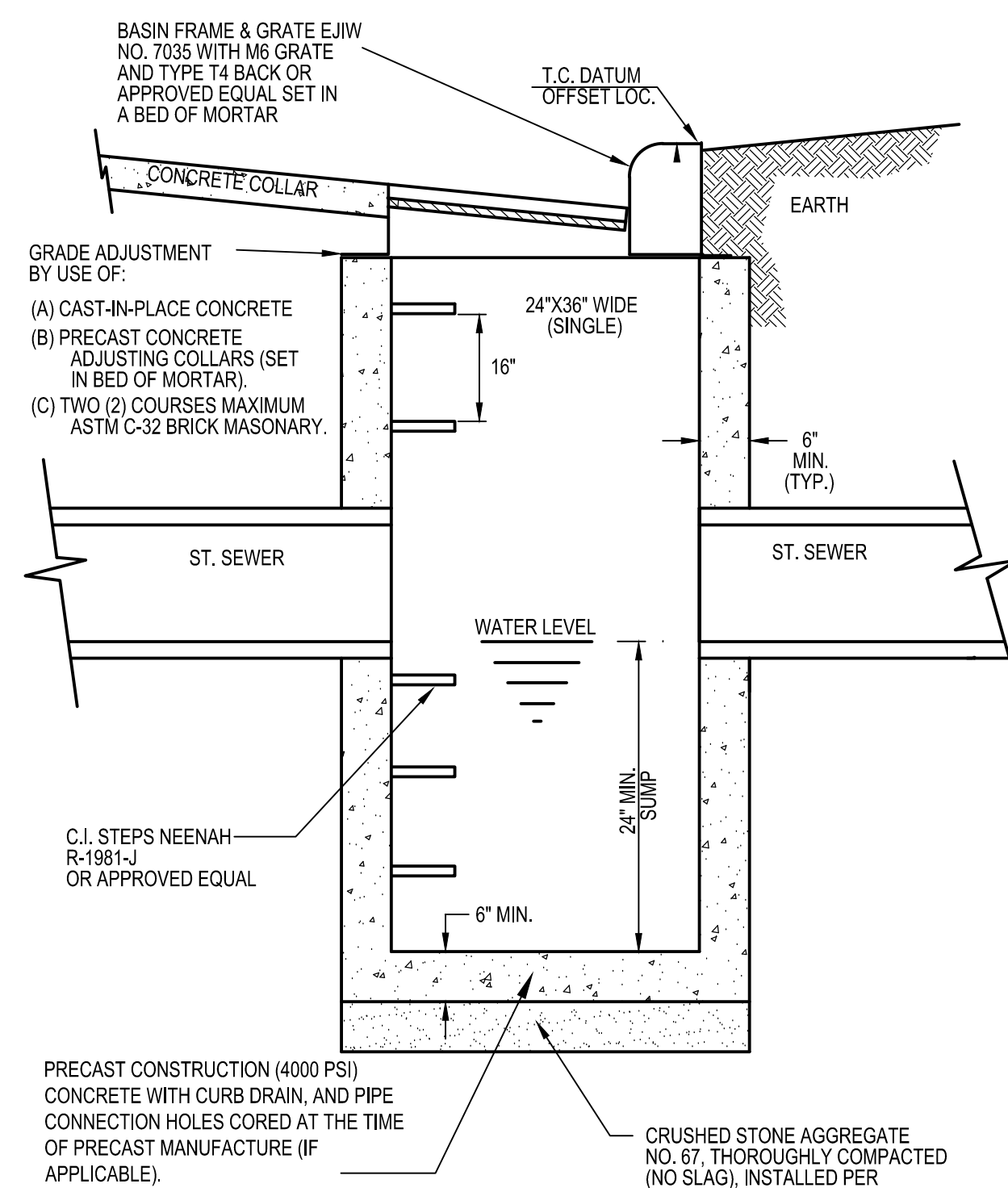
CONTRACTOR TO PROVIDE JOINT SEALER WHERE P.C.C. MEETS ASPHALT PAVEMENT

CAST-IN-PLACE, OR PRECAST

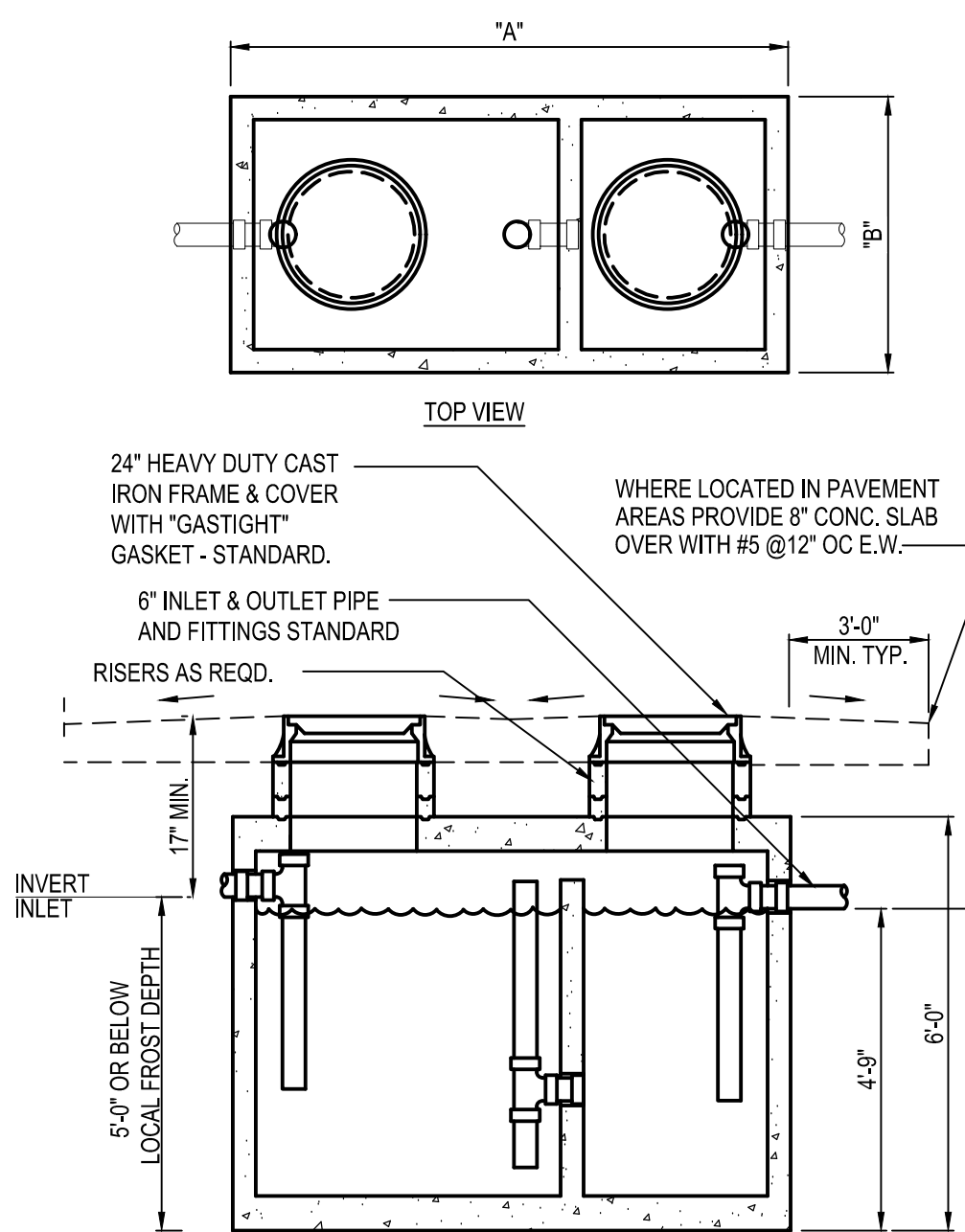
INVERT ELEVATION

NOTE:

- PRECAST WALLS SHALL BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.
- CAST-IN-PLACE CONCRETE SHALL BE 4,000 PSI @ 28 DAY. ALL PRECAST CONCRETE SHALL MEET STATE REQUIREMENTS WITH 6% +/- 2% AIR VOID CONTENT IN THE CURED CONCRETE. ALL STORM SEWER GRATES TO HAVE NOTATION: 'DUMP NO WASTE, DRAINS TO WATERWAY'. CONTRACTOR TO VERIFY WITH LOCAL JURISDICTION EXACT WORDING.
- BOTTOM SLAB MAY BE PRECAST SEPARATELY (6" THICK MIN.) AND THE OUTLET PIPE PLACED ON TOP OF IT WITH THE BOTTOM SHAPED TO DRAIN. IF CAST-IN-PLACE, CONCRETE SHALL BE AT LEAST 8" THICK.



C3 CURB INLET
N.T.S.



G.T. SIZE	DIM. "A"	DIM. "B"
500 GALLON	6'-2"	4'-2"
750 GALLON	8'-1"	4'-0"
1000 GALLON	8'-2"	5'-1"
1250 GALLON	8'-6"	5'-9"
1500 GALLON	*	*

* PER MANUFACTURER SPECIFICATIONS.

GC SHALL INSTALL GREASE INTERCEPTOR (G.I.) AS APPROVED BY LOCAL WASTEWATER JURISDICTION. INSTALLATION SHALL INCLUDE VENT, SAMPLING PORT/ MANHOLE, REINF. CONCRETE TRAFFIC LID, ETC. AS REQUIRED PER WASTEWATER DEPARTMENT STANDARDS. G.I. SHALL BE DESIGNED FOR H20 VEHICLE LOADS.

C4 EXTERIOR GREASE INTERCEPTOR
N.T.S.

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PAP/M: JW/KB
DRAWN BY.: NDG
JOB NO.: 2021088.41

TACO BELL

5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140

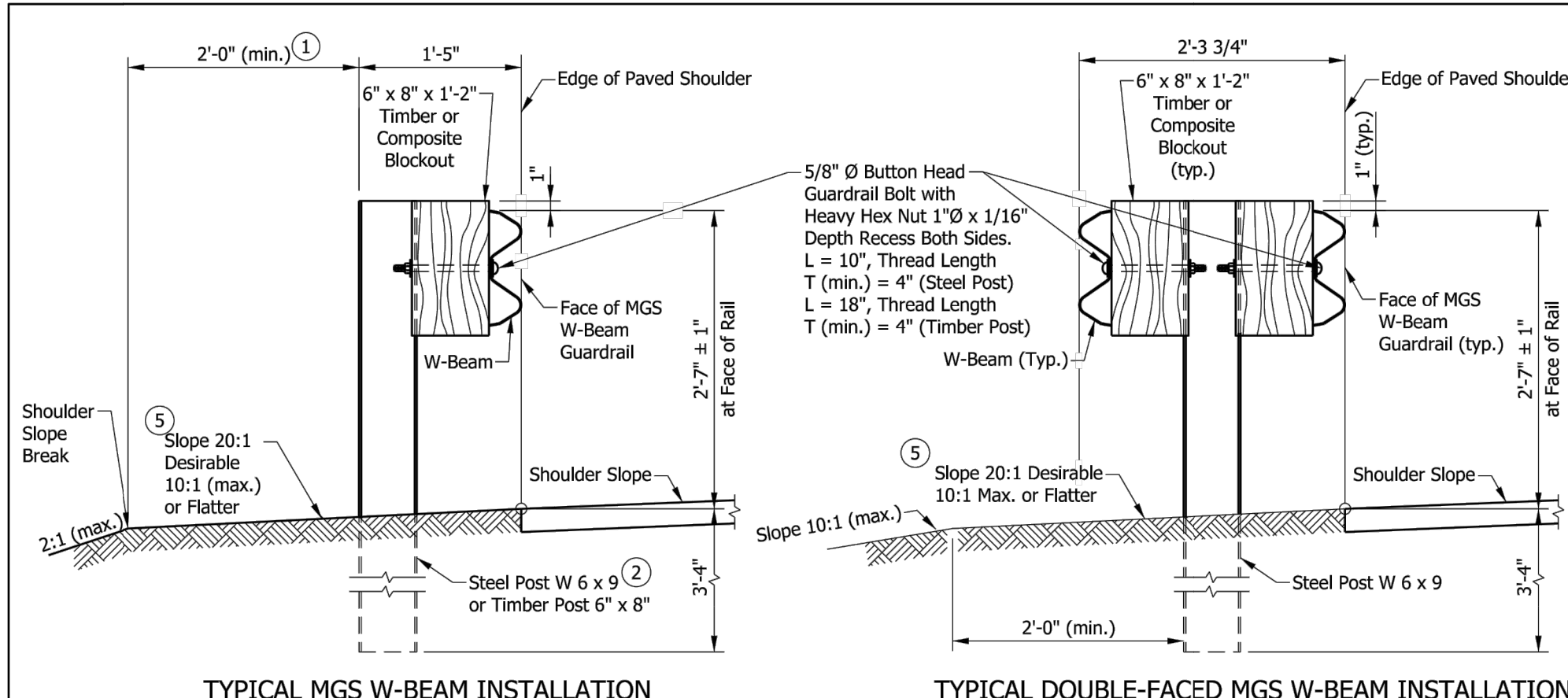


ENDEAVOR 20

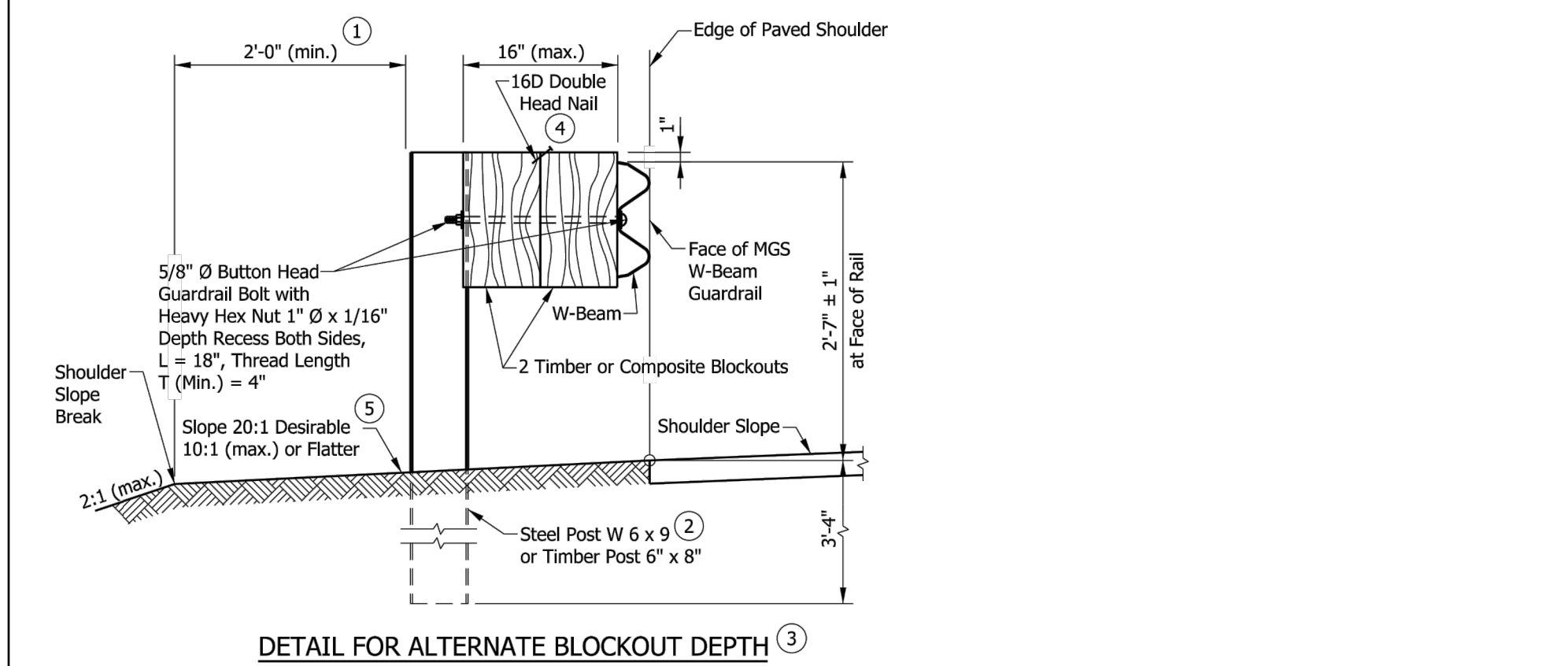
DETAILS

C-503

PLOT DATE:



- NOTES:**
- Where the distance from back of post to shoulder slope break is less than 2 ft, the working width shall be adjusted. See Standard Drawing E 601-MGSA-23.
 - Timber and steel posts shall not be intermixed. See Standard Drawing E 601-MGSA-04 for post details.
 - Blockouts of 12 in. or 16 in. depth may be utilized to increase the post offset. There is no limit to the number of posts that can have additional blockouts up to a 16 in. depth.
 - Where two timber blockouts are installed, one 16D galvanized double head nail shall be centered at the back of the blockout and driven into the adjacent blockout to limit rotation.
 - The post shall not be encased with asphalt, concrete, or riprap.

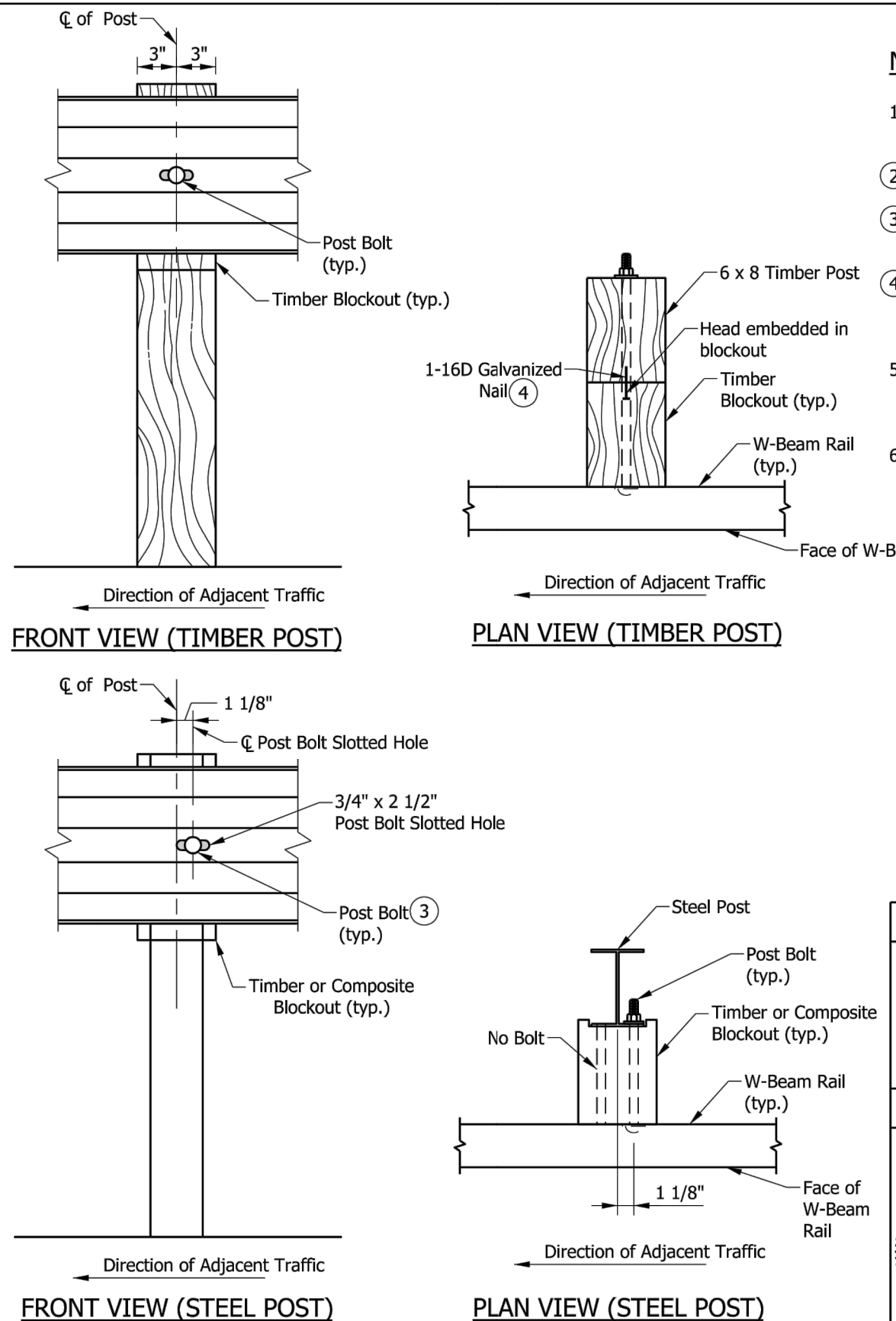
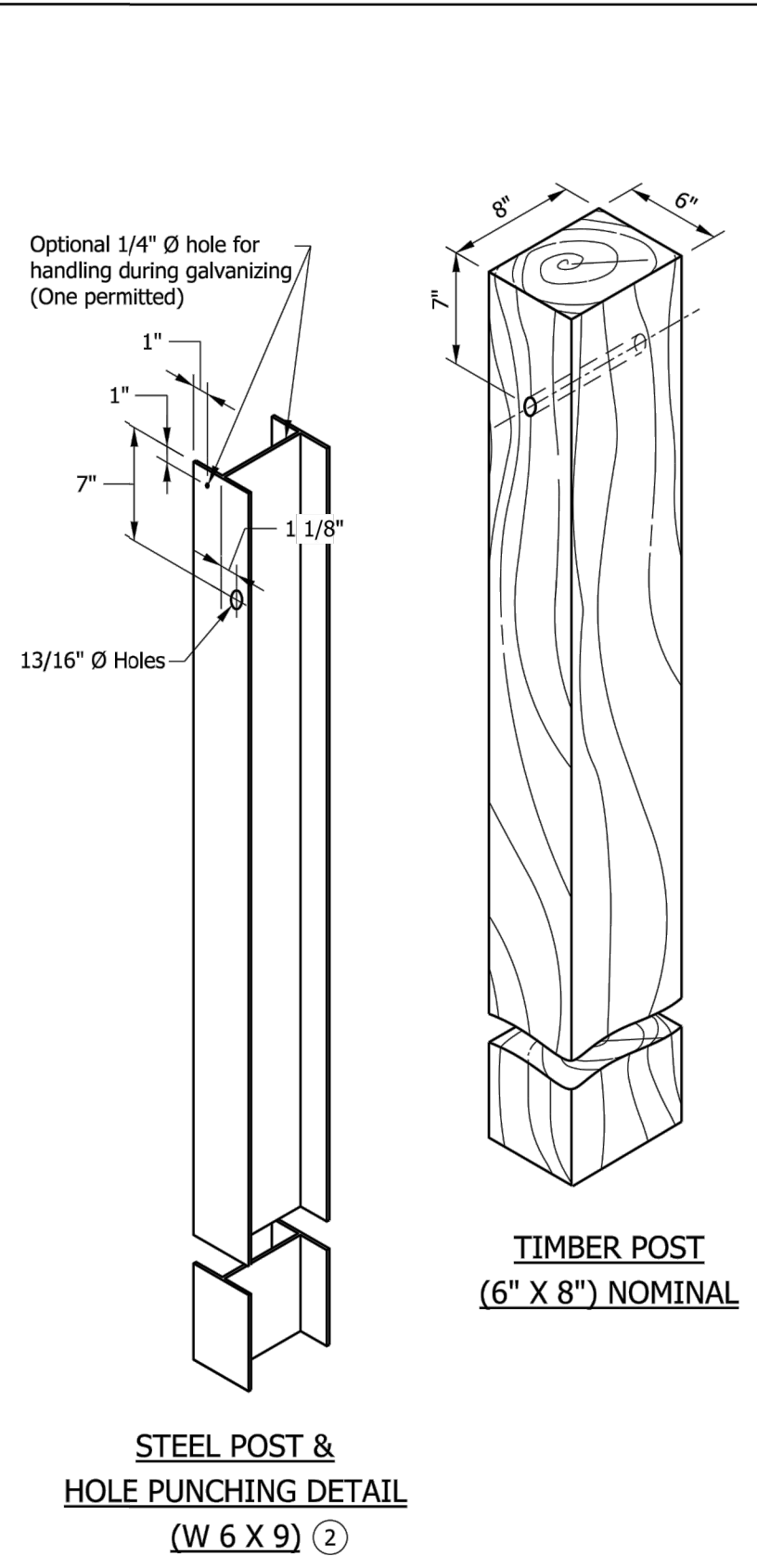


INDIANA DEPARTMENT OF TRANSPORTATION
 MIDWEST GUARDRAIL SYSTEM ASSEMBLY
 SEPTEMBER 2018
 STANDARD DRAWING NO. E 601-MGSA-02

No. 10200124
 STATE OF INDIANA
 REGISTERED PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/20/18
 DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
 CHIEF ENGINEER DATE



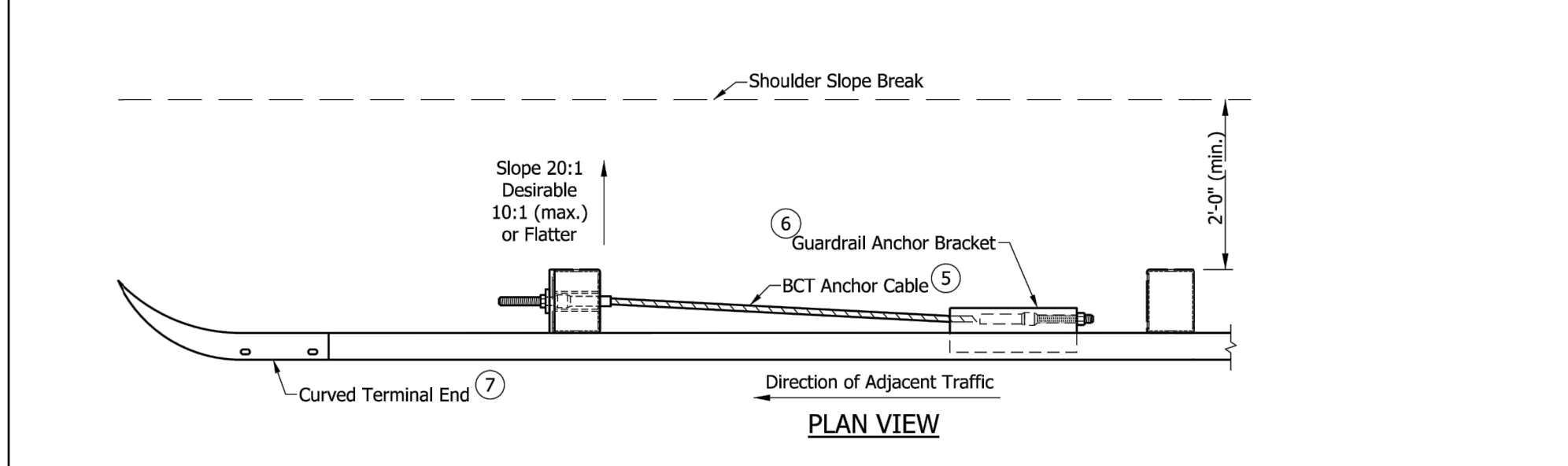
- NOTES:**
- Timber or steel posts may be used. Timber and steel posts shall not be intermixed.
 - Steel guardrail post W 6 x 8.5 may be substituted for W 6 x 9.
 - Steel posts shall be installed with bolt holes on approaching traffic side.
 - Where a timber post and a timber blockout are installed, one 16D galvanized double head nail shall be centered at the back of the blockout and driven into the adjacent post to limit rotation.
 - Blockouts of 12 in. or 16 in. depth may be utilized to increase the post offset. There is no limit to the number of posts that can have additional blockouts up to a 16 in. depth.
 - Hole pattern for posts may be drilled in back flange.

INDIANA DEPARTMENT OF TRANSPORTATION
 MIDWEST GUARDRAIL SYSTEM ASSEMBLY
 SEPTEMBER 2018
 STANDARD DRAWING NO. E 601-MGSA-04

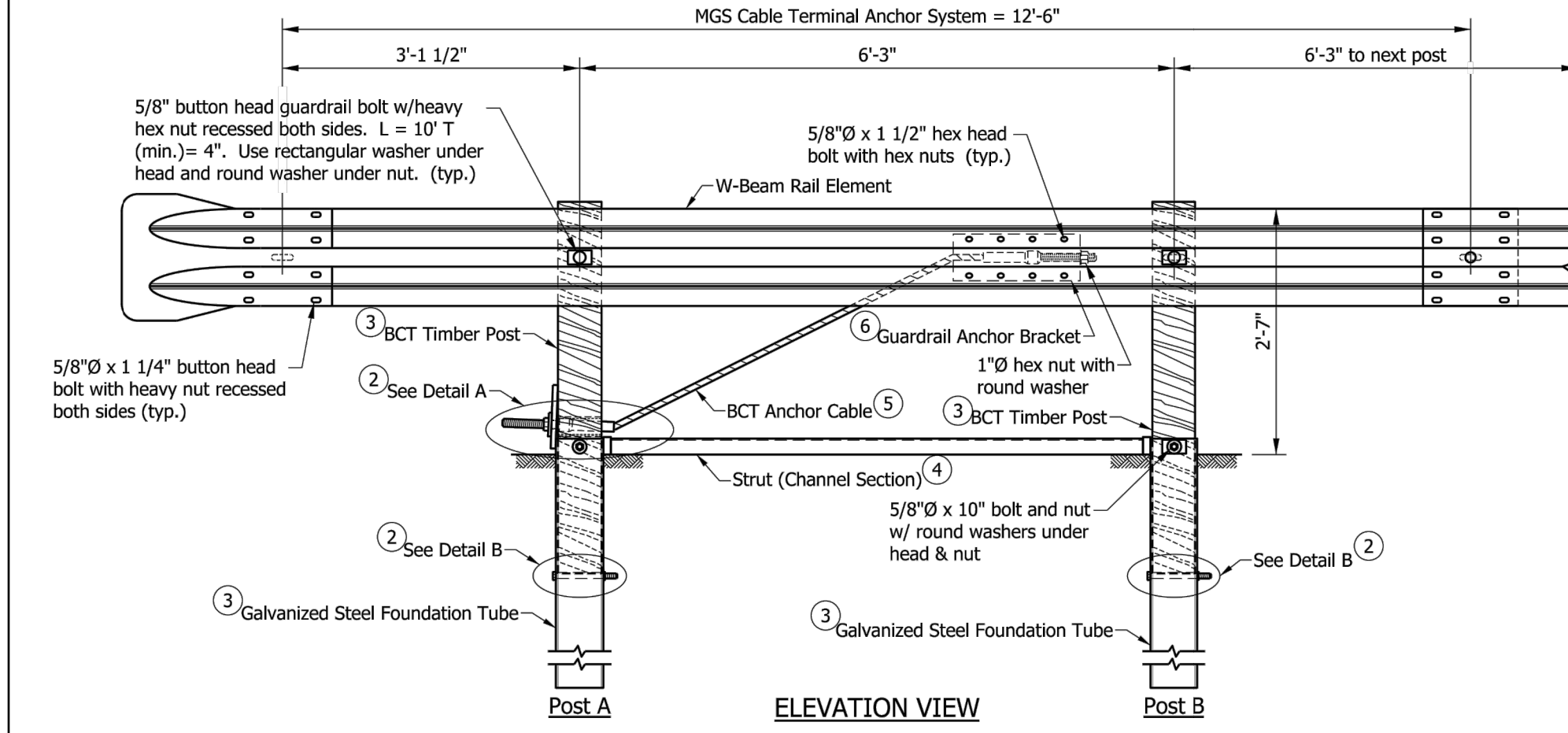
No. 10200124
 STATE OF INDIANA
 REGISTERED PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/20/18
 DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
 CHIEF ENGINEER DATE



- NOTES:**
- The MGS cable terminal anchor system shall only be used at the outgoing end of an MGS w-beam guardrail run not exposed to oncoming traffic.
 - See Standard Drawing E 601-MGSA-18 for Details A and B.
 - See Standard Drawing E 601-MGSA-19 for BCT timber post and steel foundation tube details.
 - See Standard Drawing E 601-MGSA-20 for strut details.
 - See Standard Drawing E 601-MGSA-21 for BCT anchor cable assembly details.
 - See Standard Drawing E 601-MGSA-22 for guardrail anchor bracket details.
 - See Standard Drawing E 601-WBGC-01 for curved terminal end details.



INDIANA DEPARTMENT OF TRANSPORTATION
 MIDWEST GUARDRAIL SYSTEM ASSEMBLY, CABLE TERMINAL ANCHOR SYSTEM
 SEPTEMBER 2018
 STANDARD DRAWING NO. E 601-MGSA-17

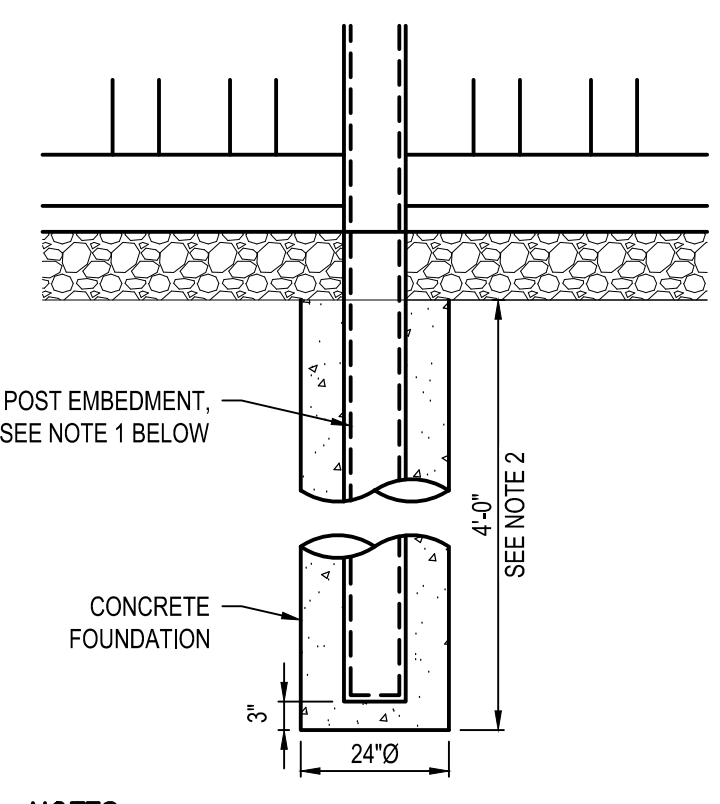
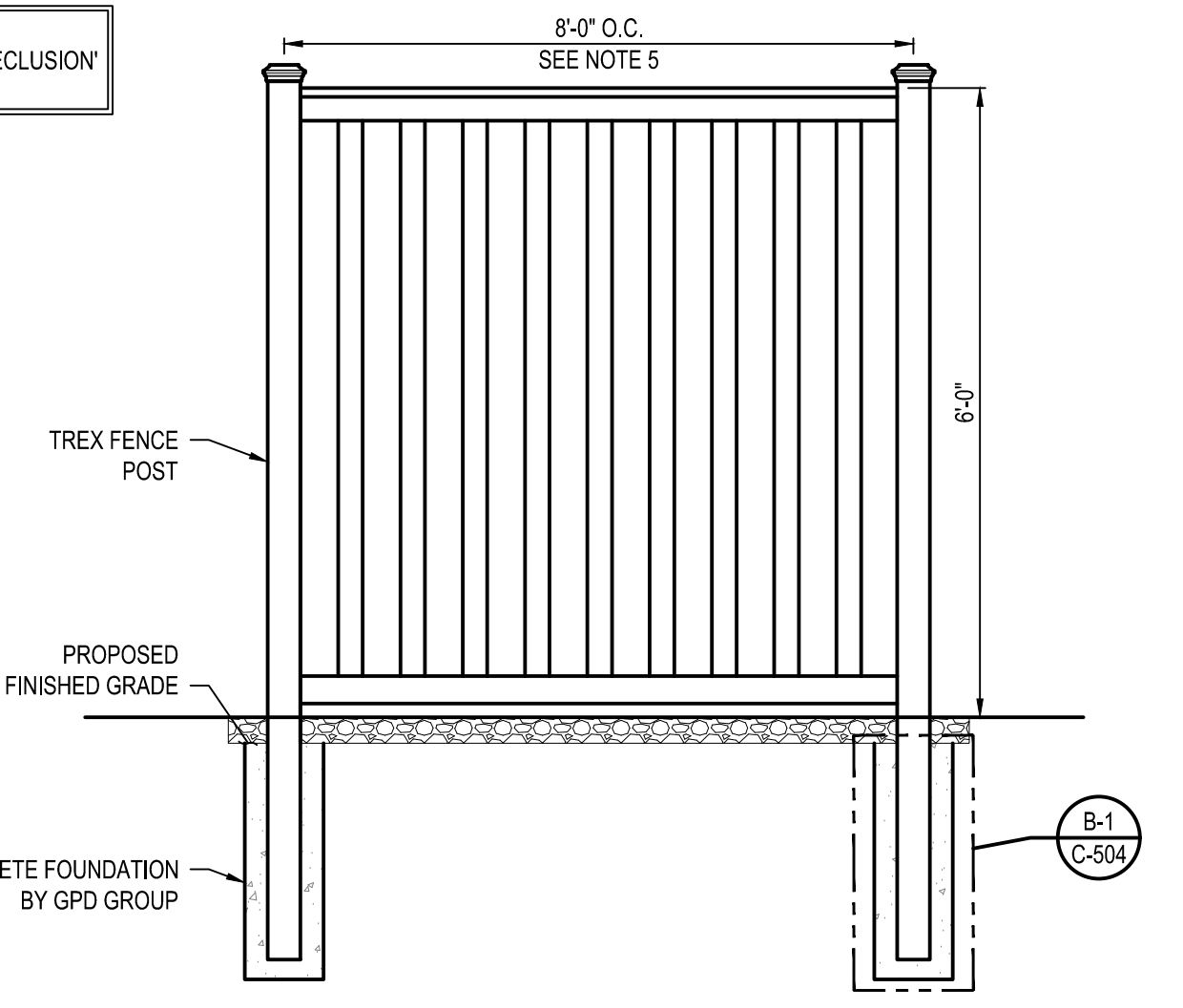
No. 10200124
 STATE OF INDIANA
 REGISTERED PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/20/18
 DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
 CHIEF ENGINEER DATE

NOTE: FENCING SHALL BE TREX 'SECLUSION' TYPE

- NOTES:**
- INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
 - THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
 - REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
 - ENGINEER OF RECORD SHALL BE CONTACTED IMMEDIATELY IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.
 - VERIFY ENCLOSURE DIMENSIONS WITH PLAN SHEETS, THIS SET. POSTS SHALL NOT BE SPACED FURTHER THAN 8'-0", CENTER TO CENTER. CONTACT GC FOR ANY DISCREPANCIES.



- NOTES:**
- TREX POST EMBEDMENT IS DEPICTED FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION AND SPECIFICATIONS WITH MANUFACTURER.
 - IF FROST DEPTH EXCEEDS 4'-0", FOOTER TO EXCEED FROST DEPTH.
 - ENGINEER OF RECORD SHALL BE CONTACTED IMMEDIATELY IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.

B-1 TREX FENCE (FOR REFERENCE ONLY) NTS

B-1 TREX FOUNDATION DETAIL NTS

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FOR REFERENCE ONLY

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
 BUILDING TYPE: END20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 P&P/M: JW/KB
 DRAWN BY.: NDG
 JOB NO.: 2021088.41

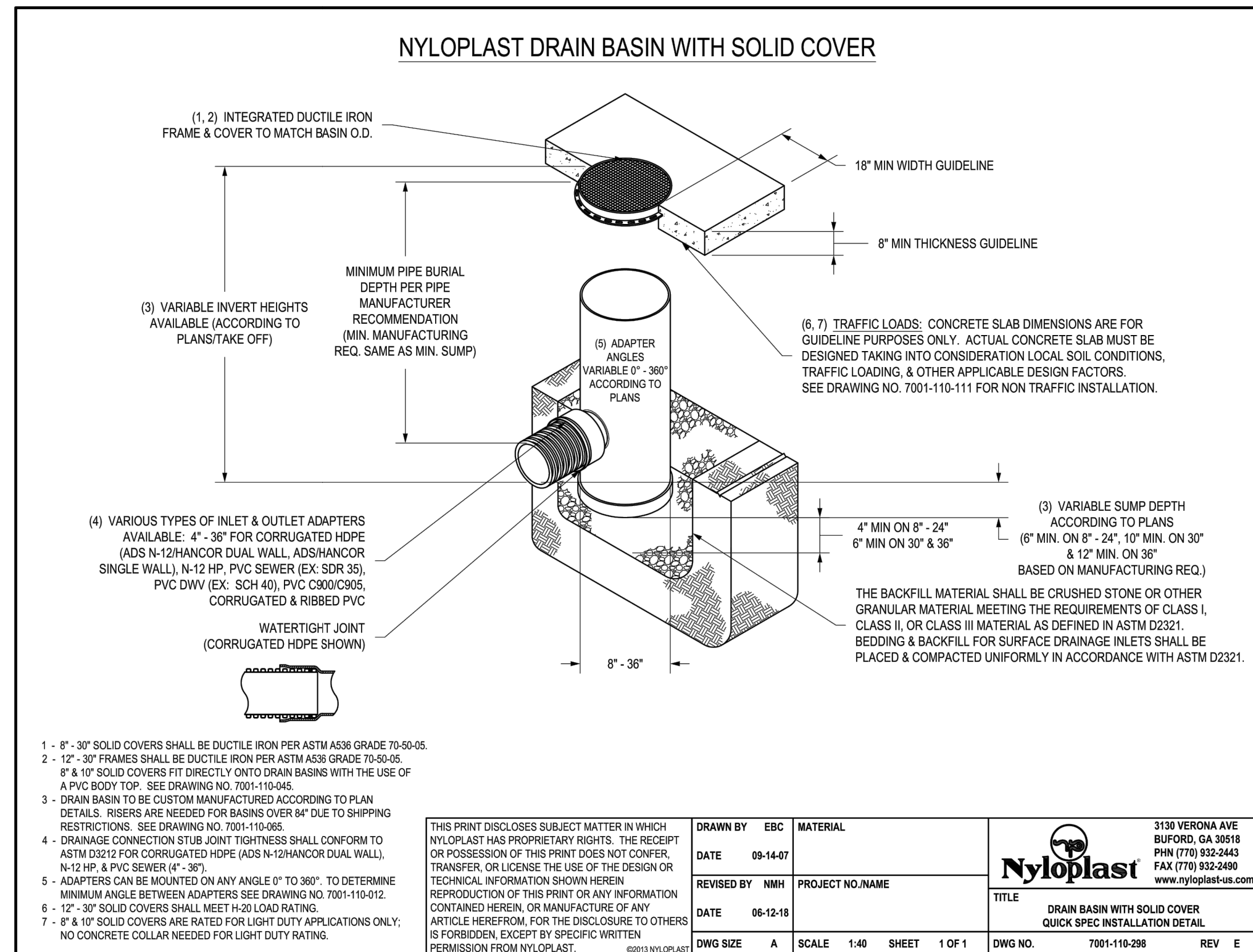
TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140



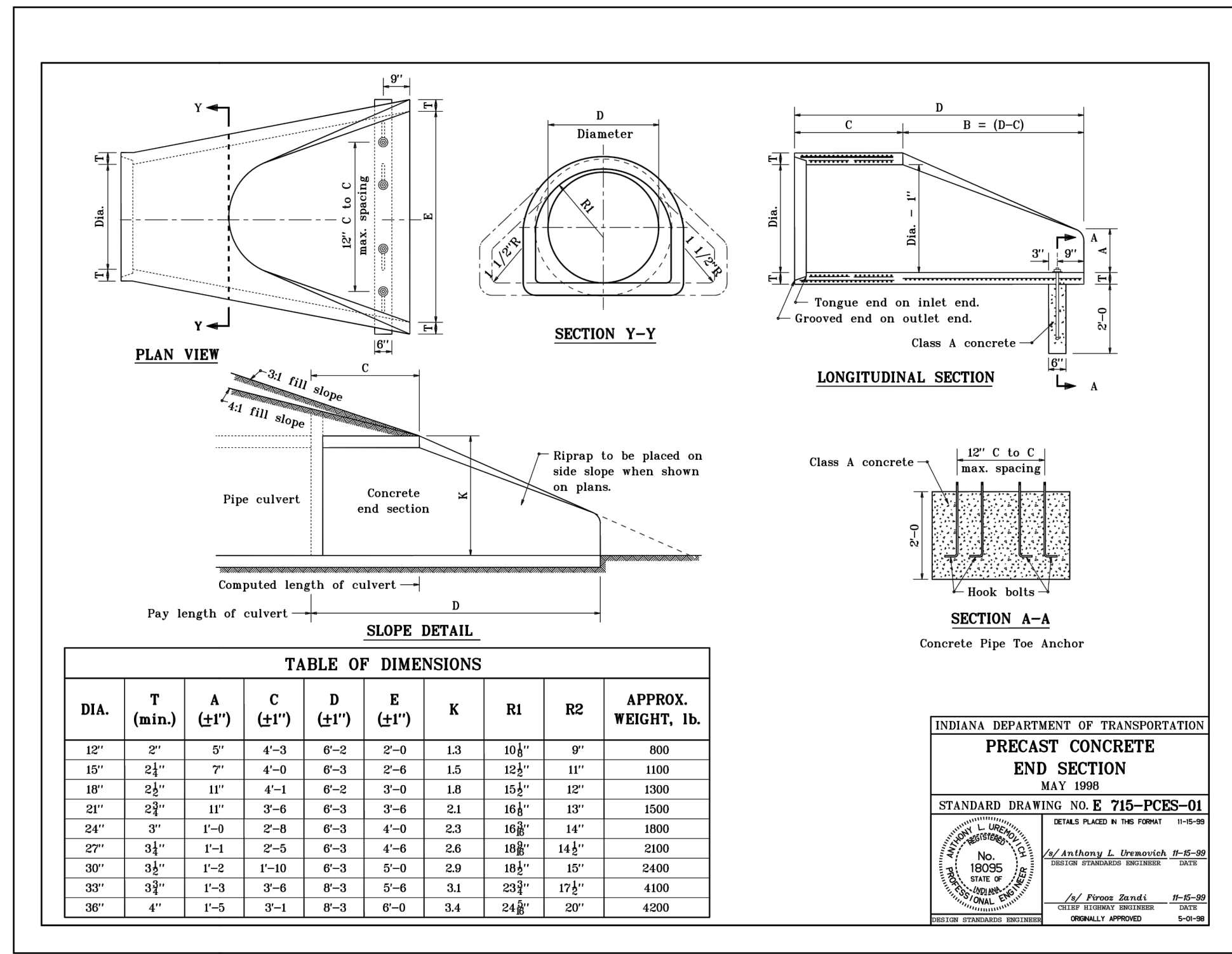
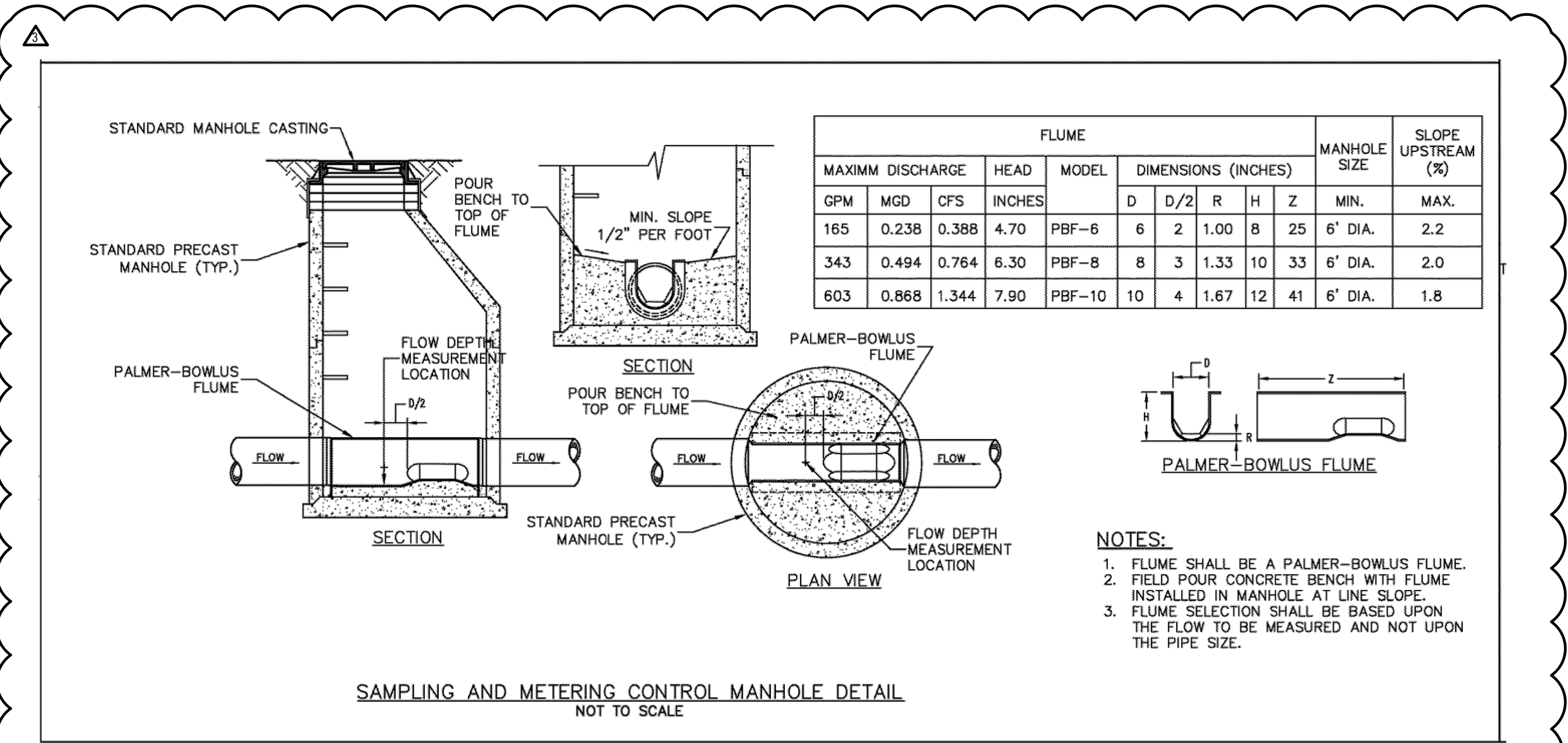
ENDEAVOR 20
 DETAILS

C-504

PLOT DATE:



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FOR REFERENCE ONLY

DATE	REMARKS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
BUILDING TYPE: END20
PLAN VERSION: OCTOBER 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315289
STORE NUMBER: 456917
PAY/PM: JW/KB
DRAWN BY.: NDG
JOB NO.: 2021088.41

TACO BELL
5964 WEST JOHN L. MODGLIN DR.
GREENFIELD, IN 46140



ENDEAVOR 20
DETAILS

C-505

PLOT DATE:

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	



TACO BELL GREENFIELD, IN

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-310.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (±1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

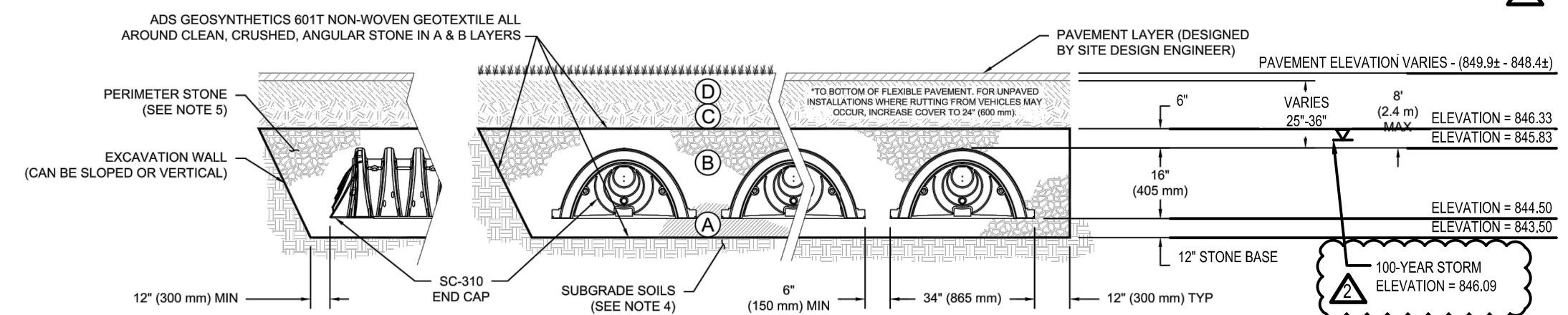
IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
 - STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
 - THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
 - JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
 - MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
 - EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4"-2" (20-50 mm).
 - THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITY TO THE SITE DESIGN ENGINEER.
 - ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.
- ### NOTES FOR CONSTRUCTION EQUIPMENT
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

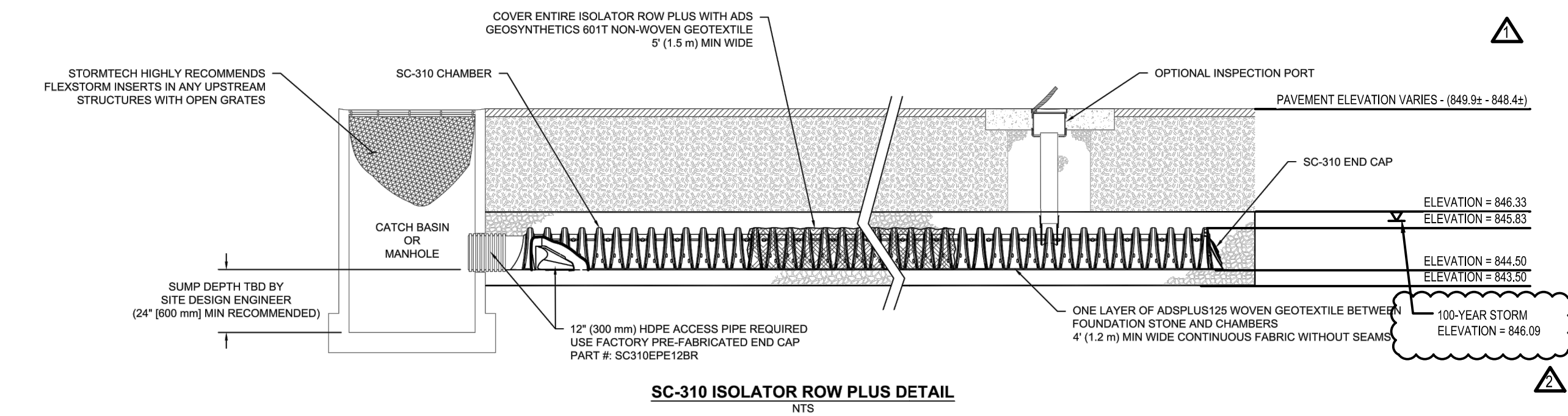
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. OR MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

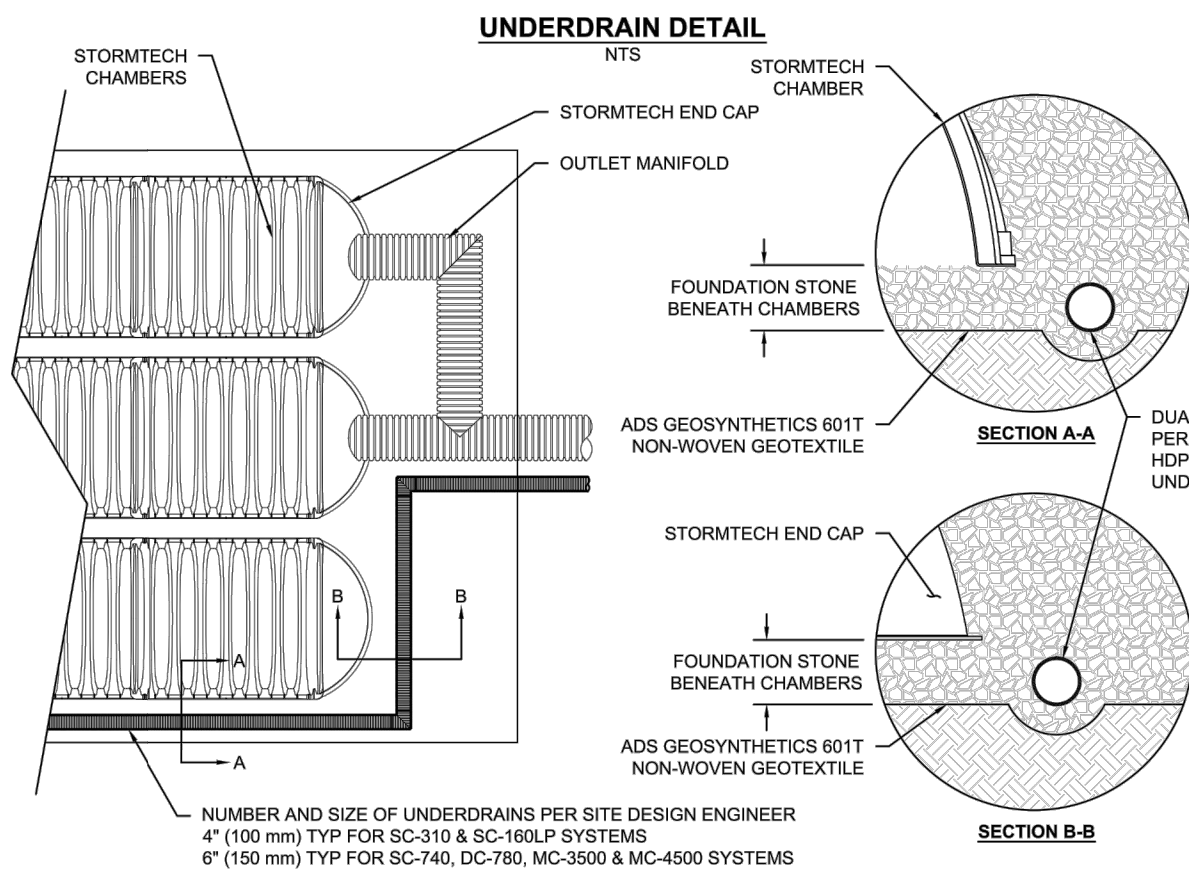


INSPECTION & MAINTENANCE

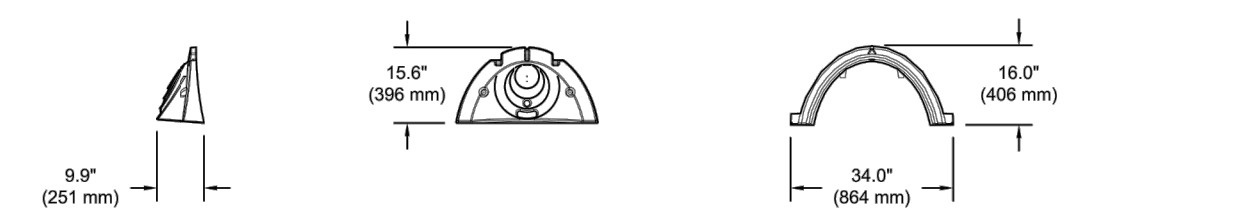
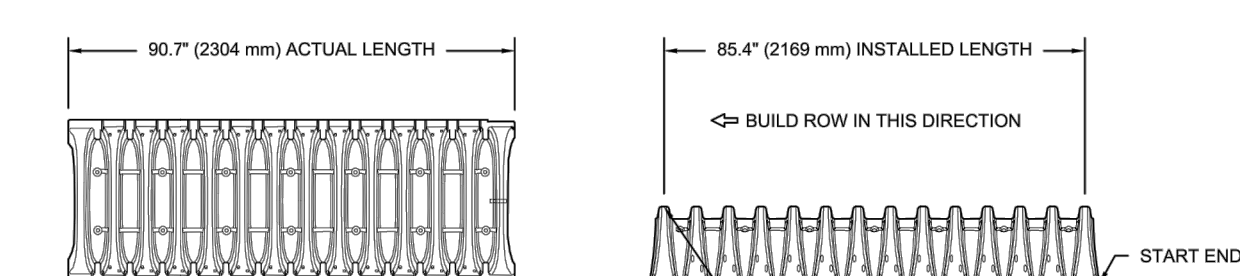
- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE OPEN LID ON INLET OR LAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR PLUS ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS OR POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-310 TECHNICAL SPECIFICATION



PART #	STUB	A	B	C
SC310EP007 / SC310EP007PC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	0.5" (13 mm)
SC310EP008 / SC310EP008PC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	0.5" (13 mm)
SC310EP009 / SC310EP009PC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	0.5" (13 mm)
SC310EP010 / SC310EP010PC	12" (300 mm)	13.5" (343 mm)	0.5" (13 mm)	0.5" (13 mm)
SC310EP012B	12" (300 mm)	13.5" (343 mm)	0.5" (13 mm)	0.5" (13 mm)
SC310EP012B	12" (300 mm)	13.5" (343 mm)	0.5" (13 mm)	0.5" (23 mm)

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
 PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 PRE-CORED END CAPS END WITH "PC"

ALL STUBS, EXCEPT FOR THE SC310EP012B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310EP012B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 SUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL.

This document has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.



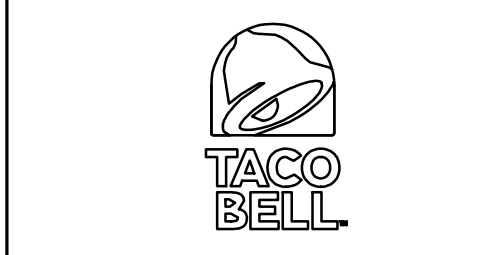
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

FOR REFERENCE ONLY

DATE	REVISION # - COUNTY AND UTILITY COMMENTS
03/22/2022	REVISION #1 - COUNTY AND UTILITY COMMENTS
04/04/2022	REVISION #2 - COUNTY COMMENTS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: _____
 BUILDING TYPE: END-20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PAV/M: JW/KB
 DRAWN BY: NDG
 JOB NO.: 2021088-41

TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140

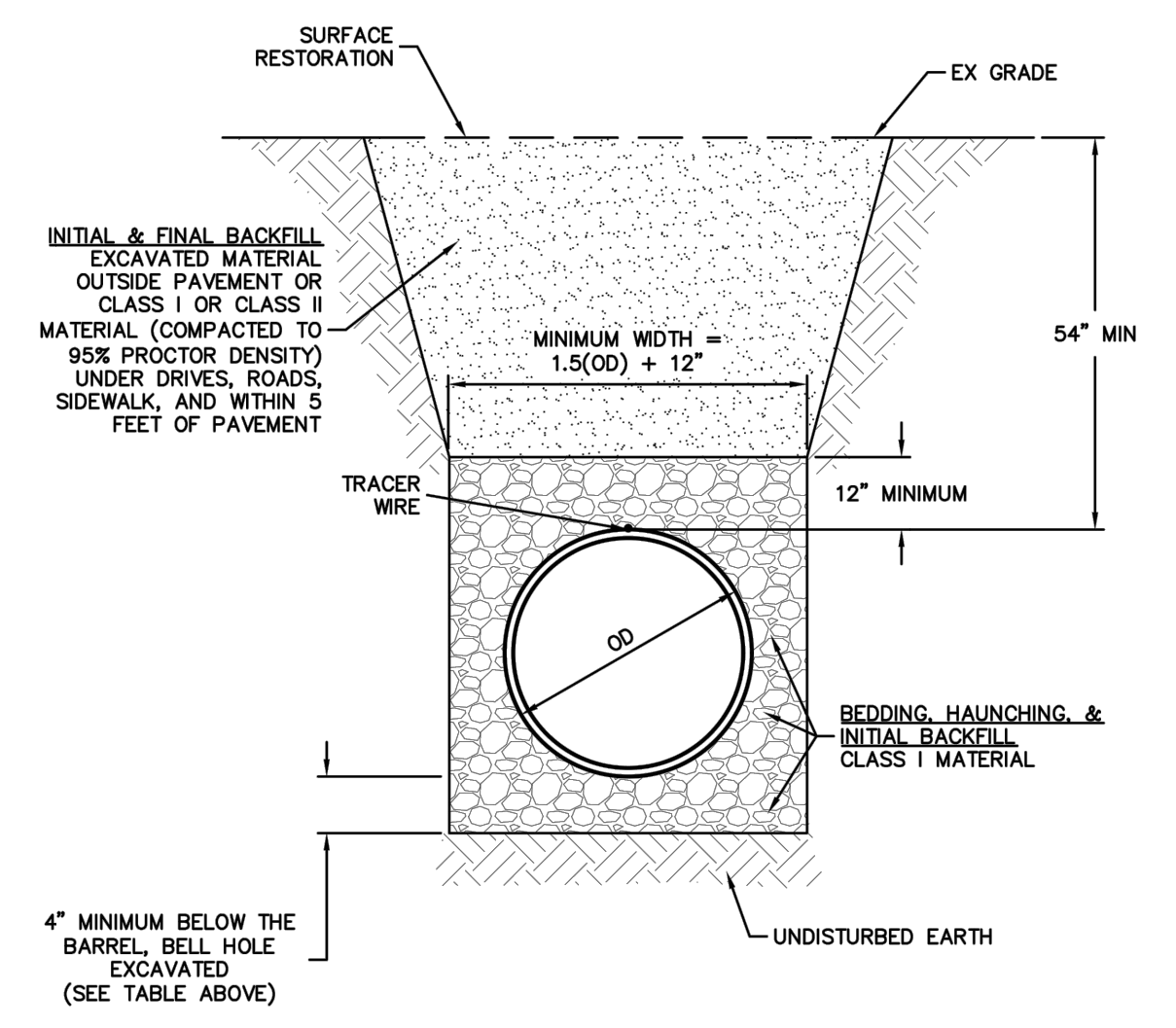


ENDEAVOR 20
 DETAILS

C-506

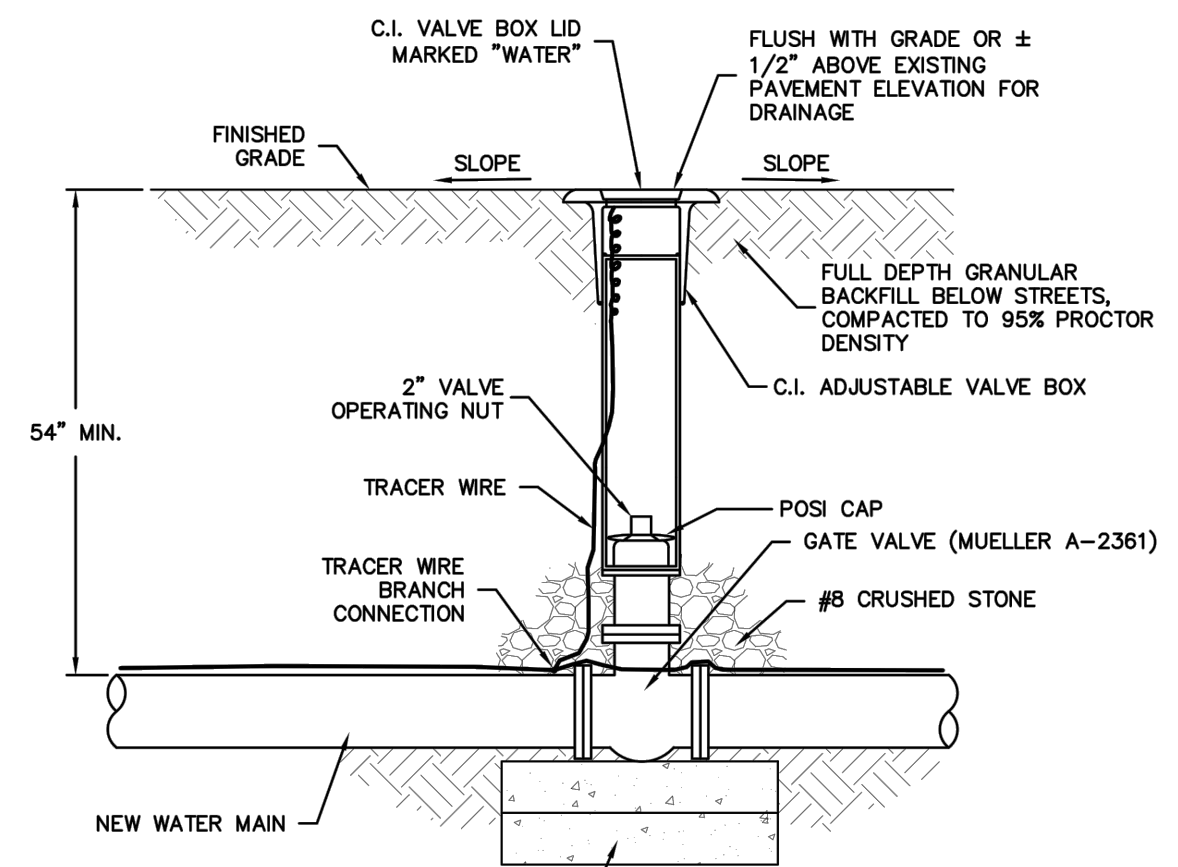
PLOT DATE: _____

PIPE SIZE	3" TO 15"	18" TO 30"
BEDDING BELOW THE PIPE BARREL	4"	OD / 4



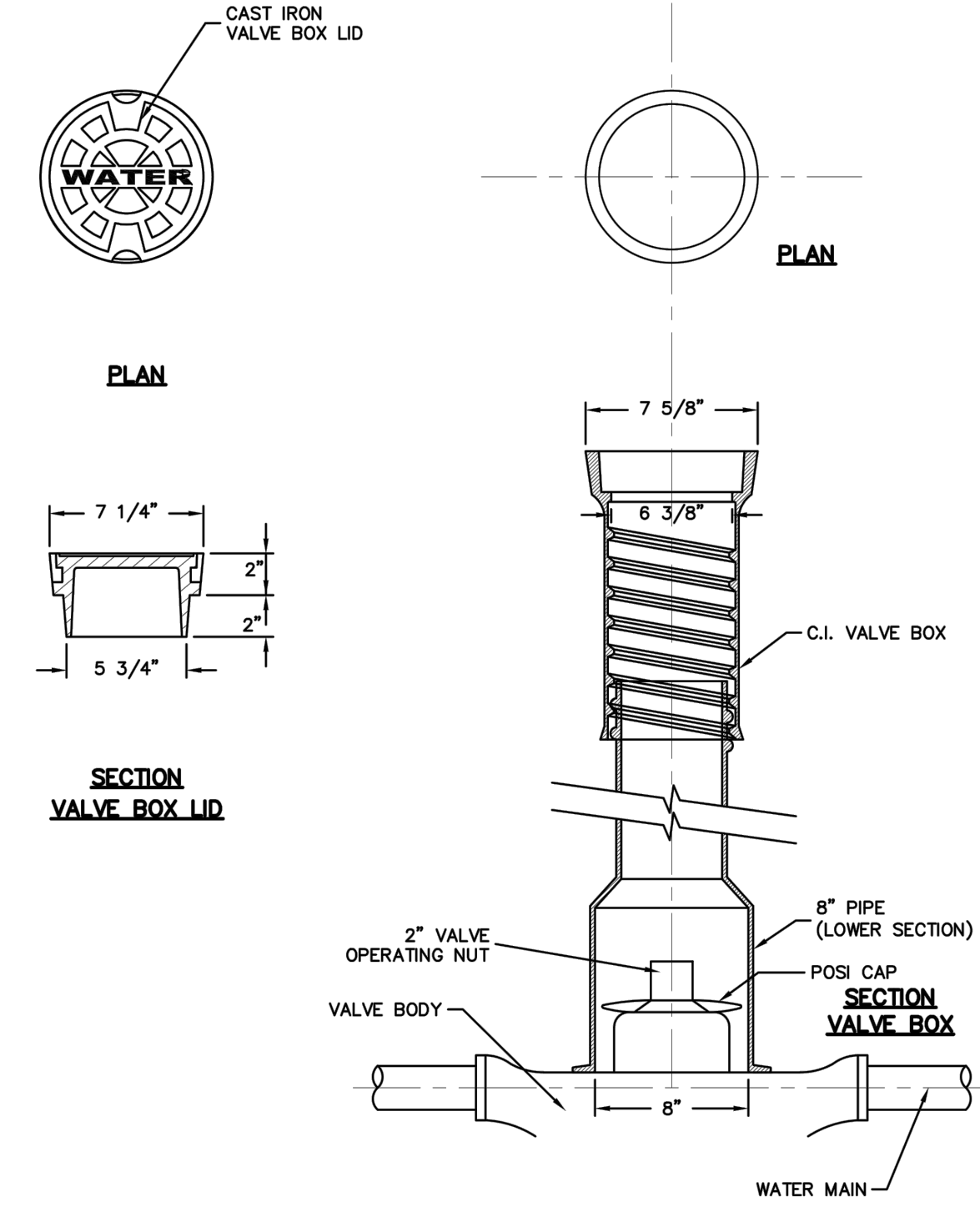
PLASTIC (PVC OR HDPE) PIPE TRENCH
 SCALE: NONE

DETAIL NO. 7B
 DATE: JUNE 2019



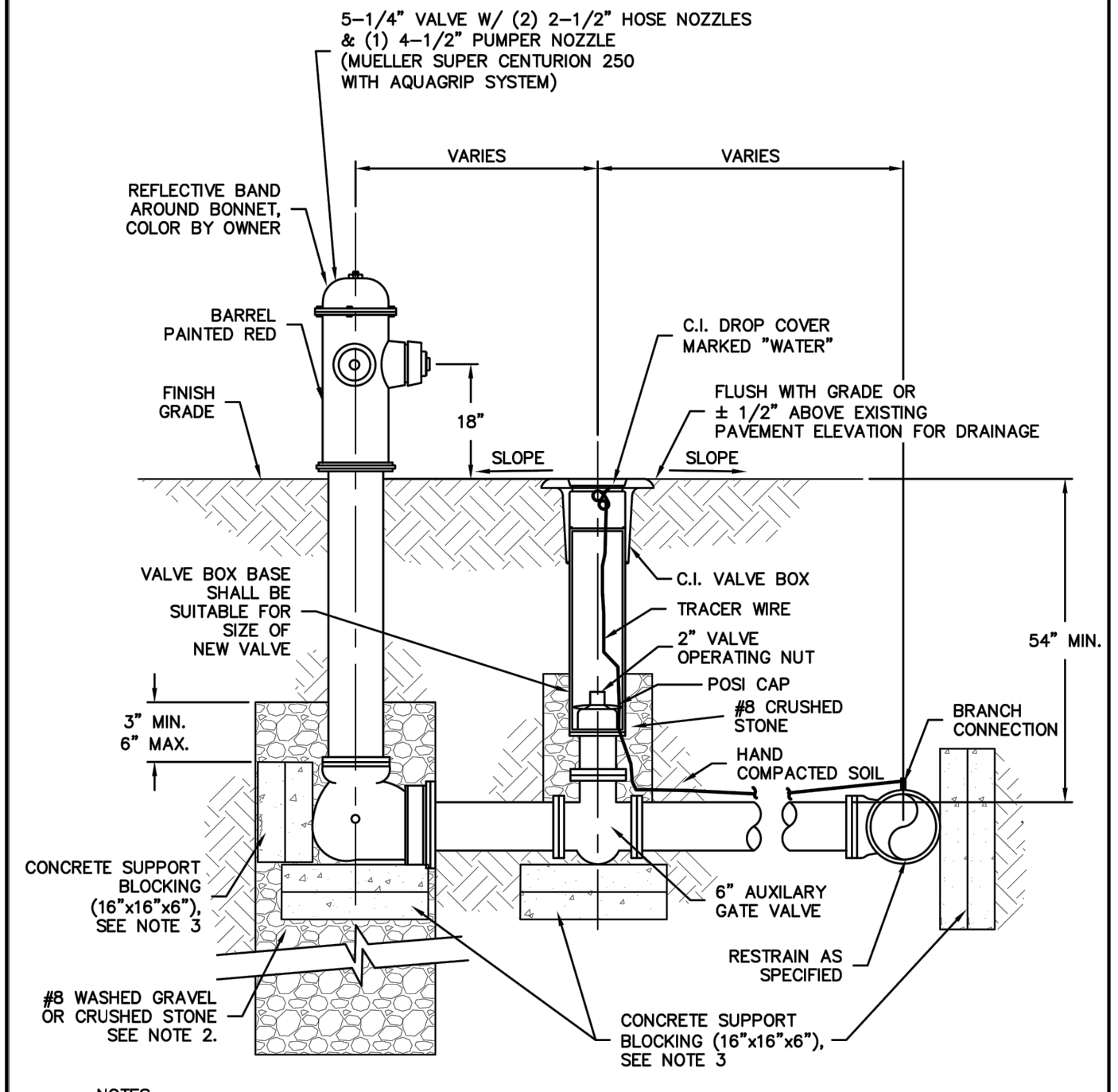
GATE VALVE
 SCALE: NONE

DETAIL NO. 7C
 DATE: JUNE 2019



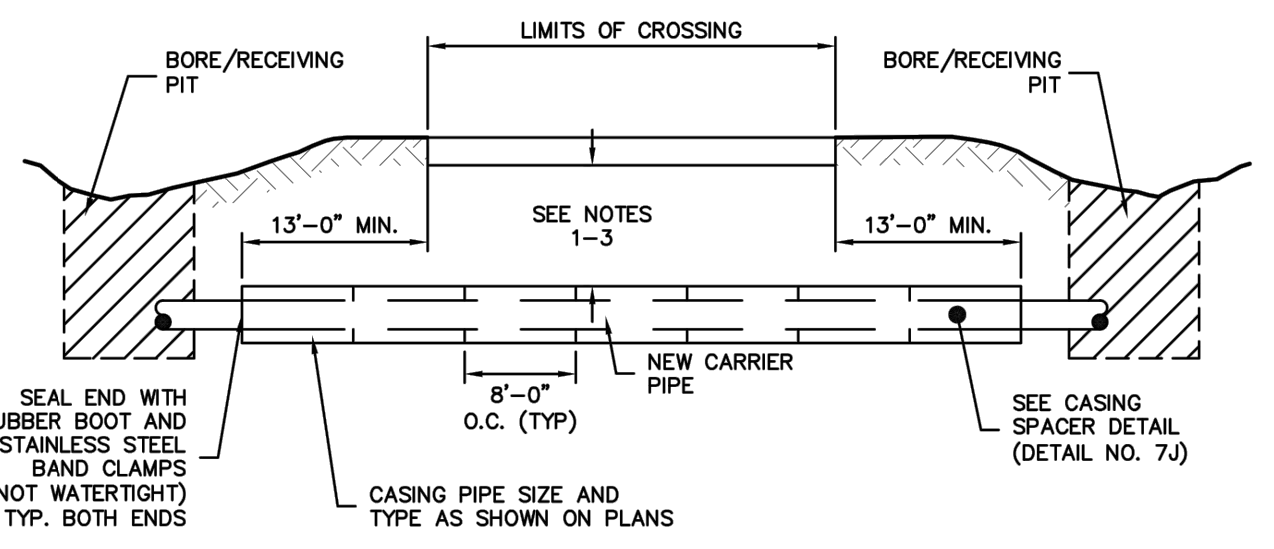
STANDARD 8" VALVE BOX & COVER
 SCALE: NONE

DETAIL NO. 7D
 DATE: JUNE 2019



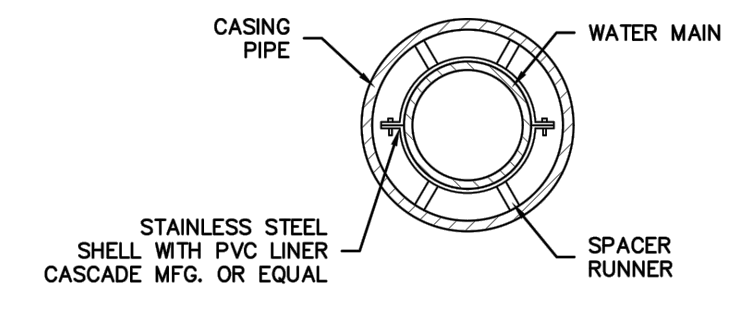
HYDRANT ASSEMBLY
 SCALE: NONE

DETAIL NO. 7E
 DATE: JUNE 2019



CASING PIPE
 SCALE: NONE

DETAIL NO. 7I
 DATE: JUNE 2019



CASING SPACER
 SCALE: NONE

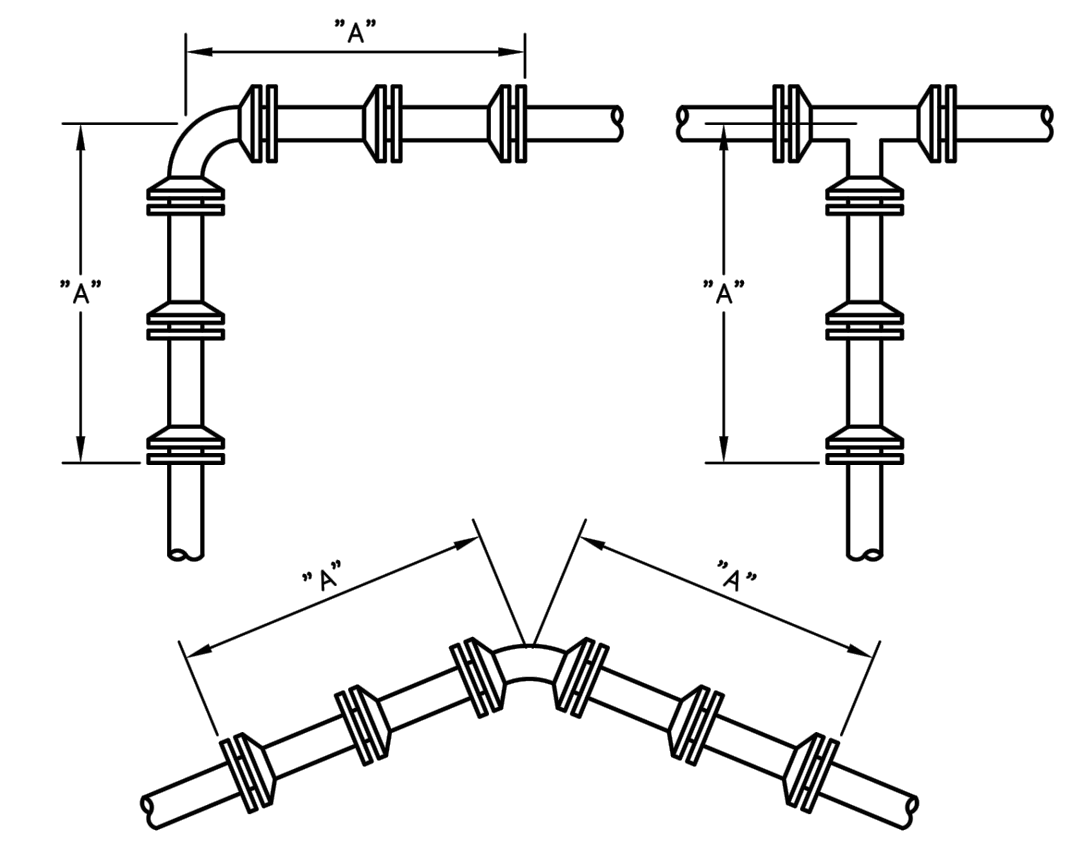
DETAIL NO. 7J
 DATE: JUNE 2019

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PVC & HDPE PIPE RESTRAINT
FEET OF RESTRAINED PIPE @ 150 PSI (A)

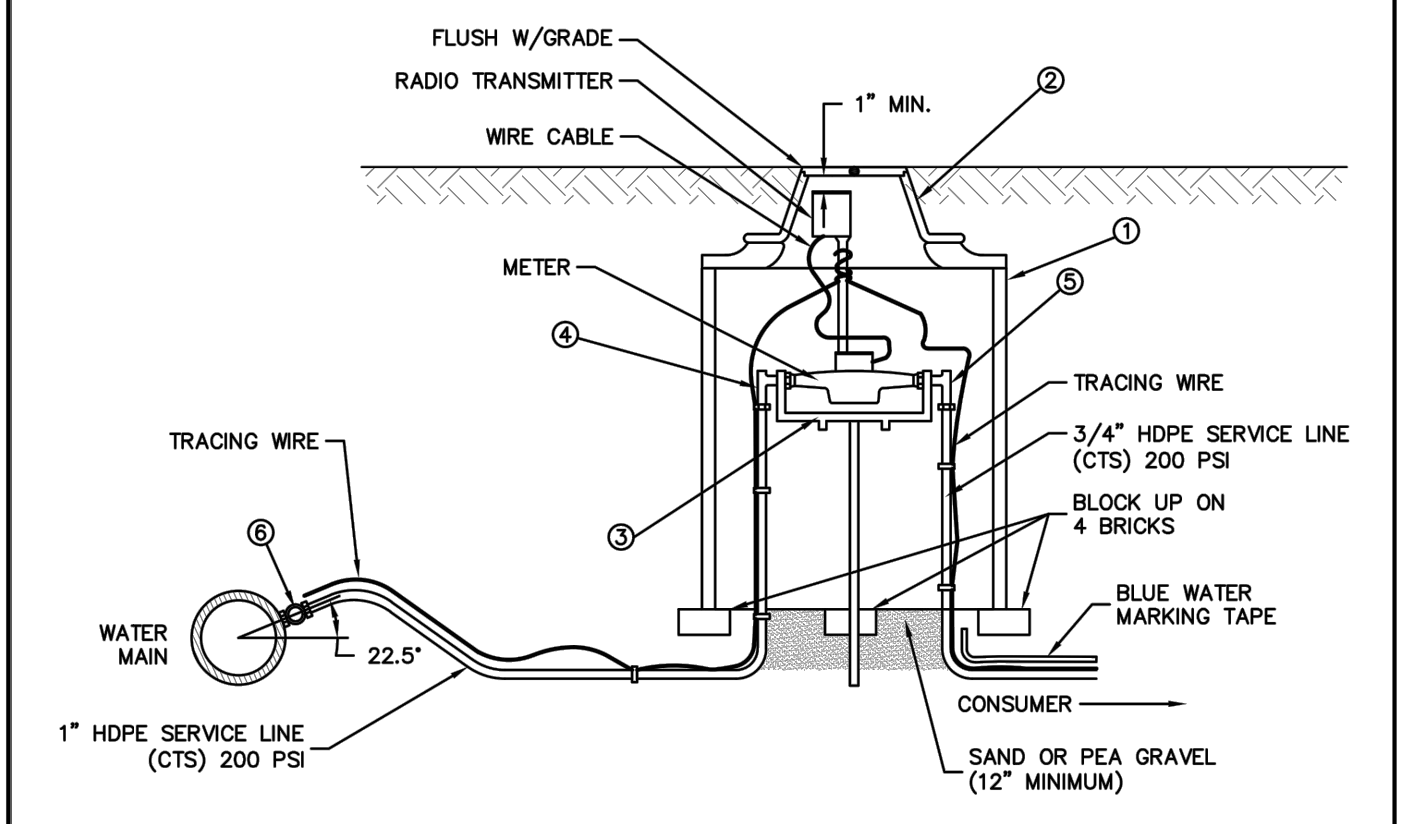
FITTING TYPE	WATER MAIN SIZE							
	4 INCH	6 INCH	8 INCH	10 INCH	12 INCH	14 INCH	16 INCH	18 INCH
11 1/4" BEND	1'	2'	2'	2'	2'	3'	3'	3'
22 1/2" BEND	2'	3'	3'	4'	4'	5'	5'	6'
45° BEND	3'	5'	6'	7'	8'	9'	10'	11'
90° BEND	8'	11'	13'	16'	19'	22'	24'	27'
11 1/4" VERTICAL BEND	2'	3'	4'	5'	6'	6'	7'	8'
22 1/2" VERTICAL BEND	4'	6'	8'	9'	11'	12'	14'	15'
45° VERTICAL BEND	9'	12'	15'	19'	22'	25'	28'	31'
90° VERTICAL BEND	20'	29'	37'	45'	52'	60'	67'	75'
VALVE/PLUG	20'	29'	37'	45'	52'	60'	67'	75'
TEE OUTLET	18'	27'	35'	43'	50'	58'	66'	73'
DEAD END	20'	29'	37'	45'	52'	60'	67'	75'

NOTE: TYPE 5 TRENCH, GOOD SAND OR GRAVEL BACKFILL.



WATER MAIN RESTRAINED PIPING
 SCALE: NONE

DETAIL NO. 7N
 DATE: JUNE 2019



WATER METER AND SERVICE LINE
 SCALE: NONE

DETAIL NO. 7P
 DATE: JUNE 2019

FOR REFERENCE ONLY

DATE	REMARKS
04/29/2022	ISSUED FOR BID

CONTRACT DATE: -
 BUILDING TYPE: END20
 PLAN VERSION: OCTOBER 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 315289
 STORE NUMBER: 456917
 PAV/M: JW/KB
 DRAWN BY: NDG
 JOB NO.: 2021088.41

TACO BELL
 5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140



ENDEAVOR 20
 DETAILS

C-507

PLOT DATE:

LANDSCAPE NOTES & PLANTING SPECIFICATIONS

SCOPE OF WORK

- 1. THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND GRUBBING, SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
2. QUANTITY TAKEOFF IS SUPPLIED FOR CONTRACTOR'S ASSISTANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.
3. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

PRESERVATION/PROTECTION (IF APPLICABLE)

- 1. CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN.
2. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 4" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET.
3. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

PLANT MATERIALS

- 1. GENERAL - ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.
2. PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
3. VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.
4. PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED.
5. BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH.
6. PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPULINS OR OTHER COVERINGS.
7. DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

TOPSOIL

- 1. TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK.
2. PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

SOIL CONDITIONING

- 1. OBTAIN LABORATORY ANALYSIS OF STOCKPILED AND IMPORTED TOPSOIL COMPLETE WITH RECOMMENDATIONS FOR SOIL AMENDMENT.
2. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
3. MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY THE LAB REPORT.
4. FOR PLANTING BEDS AND LAWNS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING.
5. PREVENT LIME FROM CONTACTING ROOTS OF ACID-LOVING PLANTS.
6. APPLY PHOSPHORIC ACID FERTILIZER (OTHER THAN THAT CONSTITUTING A PORTION OF COMPLETE FERTILIZERS) DIRECTLY TO SUBGRADE BEFORE APPLYING PLANTING SOIL AND TILLING.

PLANTING SOIL

- 1. PLANTING SOIL MIX SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

OTHER MATERIALS

- 1. BED EDGING - EDGING SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION.
2. MULCH: ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR TOP DRESSING OF TREES, SHRUBS, OR PLANTS AND CONSISTING OF THE FOLLOWING:
a. RIVER ROCK MULCH AREA: AGGREGATE MULCH, 3/4"-2" IN SIZE, WASHED AND ROUNDED.
b. NON-DRYED, DOUBLE SHREDDED HARDWOOD SHALL BE INSTALLED IN ALL OTHER LANDSCAPE BEDS OUTSIDE OF THE RIVER ROCK MULCH AREA AT A DEPTH OF 3 INCHES.

GENERAL WORK PROCEDURES

- 1. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE INDIANA STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.
2. CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.
3. ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.
4. ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.

WEEDING

- 1. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

PLANTING

- 1. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
2. PLANTING PITS SHALL BE AS PER DETAILS.
3. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT, FILL WITH PLANTING SOIL AROUND BALL OF PLANT.
4. EACH TREE AND SHRUB SHALL RECEIVE THE LANDSCAPER'S BIONUTRITION (3-0-3) GRANULAR WITH MYCORRHIZAL TECHNOLOGY FERTILIZER OR APPROVED OTHER.
5. WATER IMMEDIATELY AFTER PLANTING.
6. INSTALL BED EDGING AND MULCH PER MATERIALS SPECIFICATION AND DETAILS.
7. REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.
8. REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.

FINISH GRADING

- 1. ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.
2. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
4. PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

GROUND COVER

- 1. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
2. MULCH GROUND COVER WITH 2" THICKNESS OF SPHAGNUM PEAT.
3. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
4. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION.

GUARANTEE

- 1. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.

CLEANUP

- 1. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

IRRIGATION

- 1. CONTRACTOR SHALL PROVIDE & INSTALL AN IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF THE SITE.
2. IRRIGATED AREAS WITHIN 5 FEET OF BUILDING WALLS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR.
3. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE.
5. IRRIGATION CONTRACTOR SHALL PROVIDE A METHOD FOR WINTERIZATION.
6. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.
5. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

- 1. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.
2. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH.
3. MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN.
4. MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED.
5. REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING.

SODDING

- 1. SOD SHALL BE FIRST GRADE CERTIFIED BLENDS OF THE FOLLOWING SPECIES PER HARDINESS ZONE CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.
ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND
ZONE 6: APPROVED FESCUE BLEND
ZONES 7 & 8: APPROVED BERMUDA BLEND
ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND
2. SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES.
3. SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH.
4. SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.
5. BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE.
6. NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F.
7. WHEN LAID ON A SLOPE, SOD SHALL BE LAID ON CONTOUR.
8. SOD SECTIONS OR STRIPS SHALL BE STAGGERED WHEN LAID, IN A BRICK-LIKE PATTERN.
9. AFTER SOD IS PLACED, SECURE THE SOD TO THE SURFACE SOIL WITH WOOD PEGS.
10. THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS.
11. THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE.
12. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION.
13. IF MOWING IS REQUIRED PRIOR TO FULL SOD ESTABLISHMENT, CONTRACTOR SHALL USE APPROPRIATE EQUIPMENT TO NOT DISTURB OR ERODE/RUT SOD.

SEEDING

- 1. GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS' RULES FOR TESTING SEEDS FOR PURITY AND GERMINATION TOLERANCES.
2. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN 0.23 POUNDS OF SEED PER ONE THOUSAND SQUARE FEET.
3. GRASS SEED MIX SHALL CONSIST OF AT LEAST 3 ZOYSIA GRASS (ZOYSIA SP.) VARIETIES, OR MATCH EXISTING SPECIES ON SITE.

PLANTING SCHEDULE

- 1. ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED.

Table with 3 columns: NORMAL PLANTING SEASONS, SPRING, FALL. Rows include ALL TREES AND SHRUBS, EVERGREENS, GROUNDCOVERS, SEED AND MULCH.

GENERAL NOTE

- 1. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE WITHIN THE RIGHT-OF-WAY SHALL BE FINE GRADED TO MAINTAIN POSITIVE DRAINAGE.



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

Table with 2 columns: DATE, REMARKS. Row 1: 04/29/2022, ISSUED FOR BID.

CONTRACT DATE: - BUILDING TYPE: END20 PLAN VERSION: OCTOBER 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 315289 STORE NUMBER: 456917 PAVM: JW/KB DRAWN BY.: JRA JOB NO.: 2021088.41

TACO BELL

5964 WEST JOHN L. MODGLIN DR. GREENFIELD, IN 46140

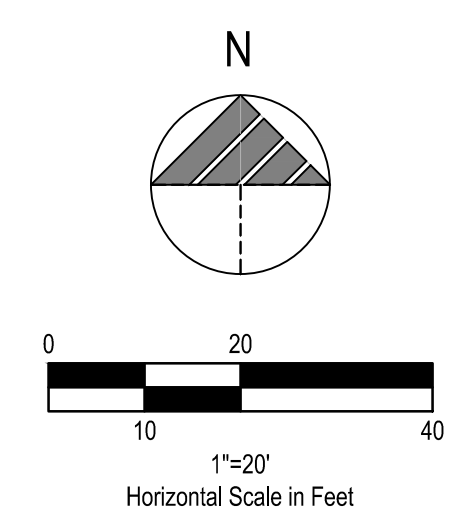
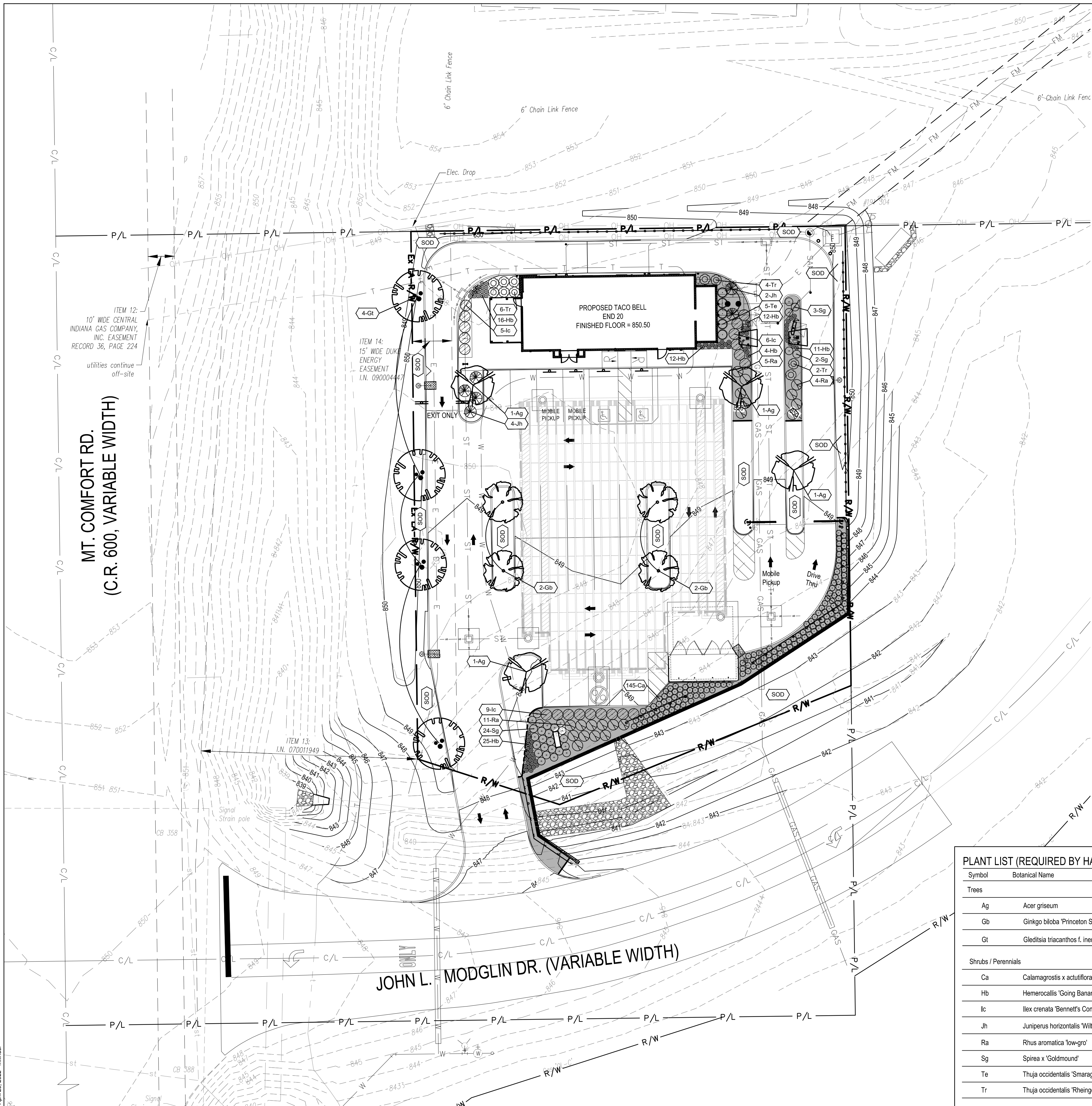


ENDEAVOR 20 LANDSCAPE NOTES

L-001

PLANT DATE:

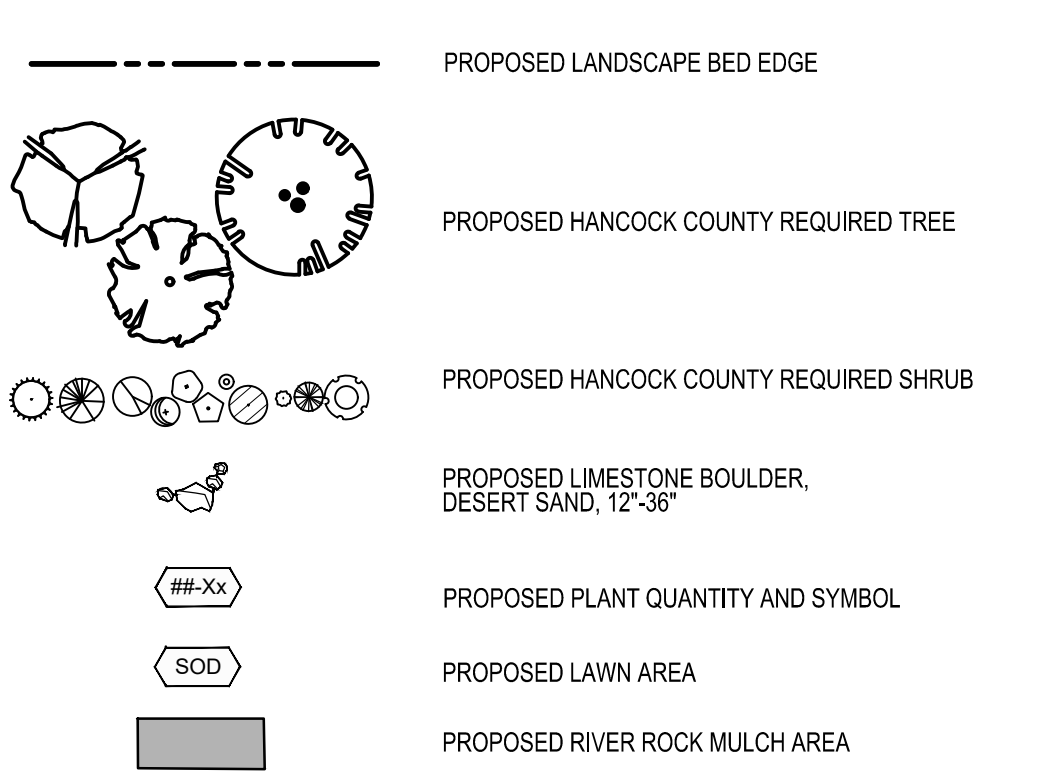
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April 28, 2022 - rmlinder



LANDSCAPE NOTES

1. MULCH PER LANDSCAPE SPECIFICATIONS.
2. ALL DISTURBED AREAS NOT TO BE PAVED OR MULCHED SHALL BE SODDED PER SPECIFICATIONS.
3. ALL DISTURBED AREAS WITHIN THE R.O.W. NOT TO BE PAVED, SHALL BE SEEDED PER THE SPECIFICATIONS.

LANDSCAPE LEGEND



LANDSCAPE CALCULATIONS

156.075(B)(4) NON-RESIDENTIAL PERIMETER REQ:
1 TREE PER 35 WITH A MOUND OR SHRUB ROW A MINIMUM OF 15 FT WIDE (THIS MAY BE ELIMINATED IF REQUIRED SCREENING FOR PARKING AREAS OR BUFFERYARDS IS WITHIN 20 FT OF ROW)

PROP: DISTANCE BETWEEN BACK OF CURB TO ROW IS 4.5 FT IN MOST AREAS. [VARIANCE REQUESTED]

156.075(B)(6) SITE INTERIOR PLANTING REQ:
1 TREE FOR EVERY 1,000 SQ FT OF YARD AREA

MT. COMFORT RD (N 600 W)
1,062.6 SF
REQ: 1 TREE
PROP: 4 TREES

JOHN L. MODGLIN DR (W 225 N)
3,121.7 SF
REQ: 3 TREES
PROP: 0 TREES

156.075(B)(7) PARKING LOT PERIMETER:
ALL PARKING LOTS SHALL BE SEPERATED FROM ALL ROWS BY LANDSCAPE AREA WITH MIN. 20' WIDTH

PROP: DISTANCE BETWEEN BACK OF CURB TO ROW IS 4.5 FT IN MOST AREAS. [VARIANCE REQUESTED FOR 20' WIDTH]

(a) 1 TREE PER 30 LF OF LANDSCAPE AREA, 1 SHRUB PER 5LF (50% EVERGREEN)
49 LF
REQ: 1.6 TREES
REQ: 8.1 SHRUBS
PROP: DUE TO UNDERGROUND DETENTION SYSTEM LOCATION AND PROPOSED WALL, NO TREES ARE LOCATED ADJACENT TO PARKING FACING JOHN L MODGLIN RD. SOME SHRUBS HAVE BEEN ADDED ALONG TOP OF WALL. [VARIANCE REQUESTED]

156.075(B)(8) PARKING LOT INTERIOR REQ:
(a) 5% LANDSCAPE FOR ALL PAVED AREA
20,112.8 SF PAVED
5% REQ. = 1,005.6 SF
PROPOSED LS = 2,716 SF

156.075(B)(9) PARKING LOT INTERIOR REQ:
(c)(3) ALL LS AREAS MUST BE A MIN OF 200 SF & CONTAIN 1 BROADLEAF TREE

PROP: ALL LANDSCAPE ISLANDS CONTAIN, AT LEAST, ONE TREE

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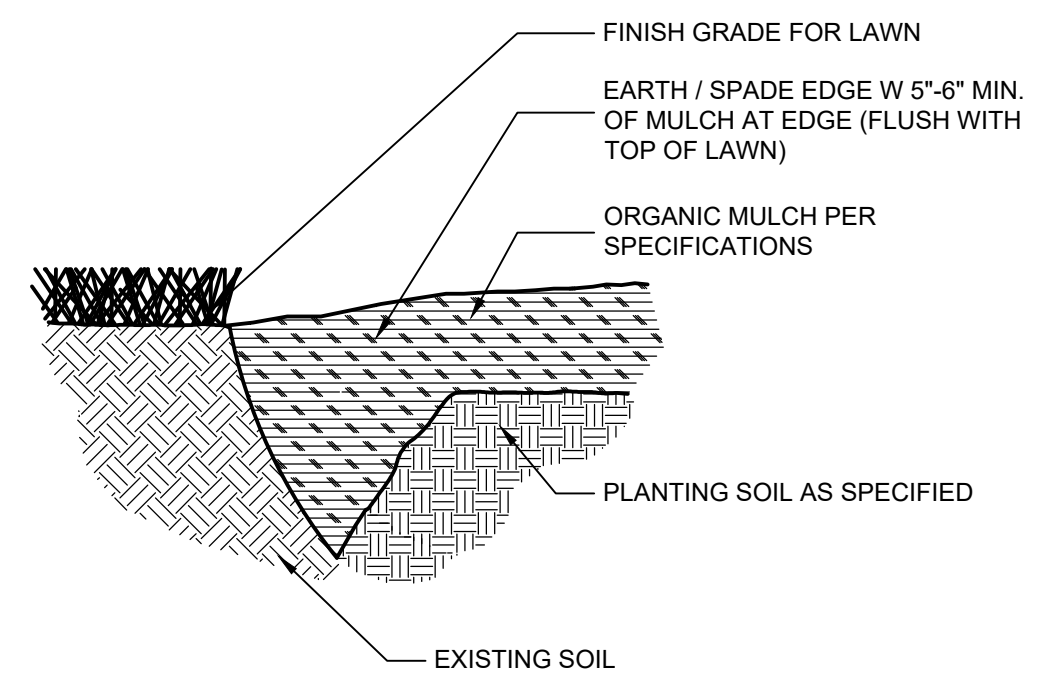
**ENDEAVOR 20
LANDSCAPE
PLAN**

L-101

PLOT DATE:

PLANT LIST (REQUIRED BY HANCOCK COUNTY)

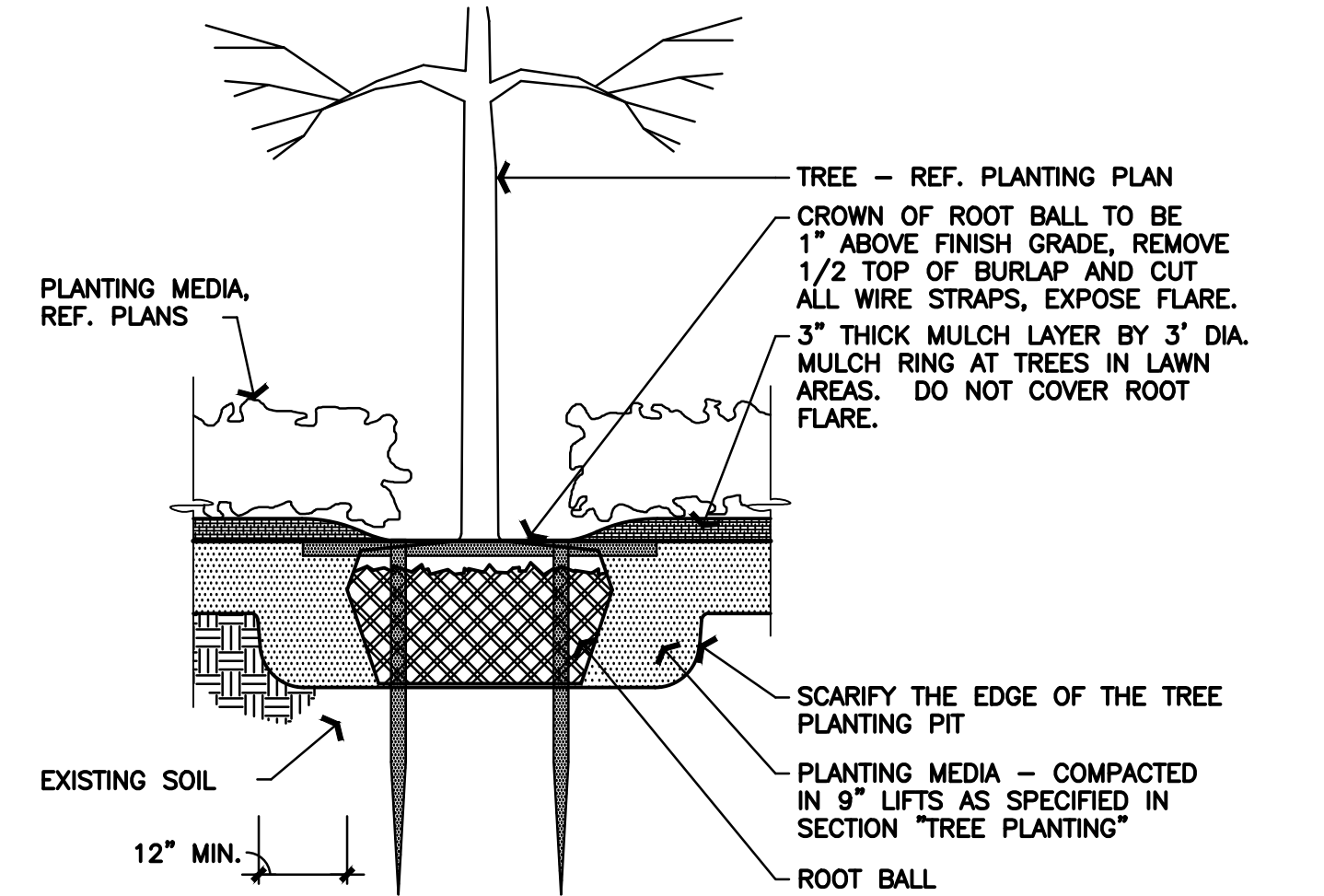
Symbol	Botanical Name	Common Name	Qty.	Min. Size	Condition	Remarks
Trees						
Ag	Acer griseum	Paperbark Maple	4	2" cal	B&B	Single-stem
Gb	Ginkgo biloba 'Princeton Sentry'	Upright Ginkgo	4	2" cal	B&B	Matching
Gl	Gleditsia triacanthos f. inermis 'Skyline'	Skyline Honeylocust	4	2" cal	B&B	Specimen
Shrubs / Perennials						
Ca	Calamagrostis x actutiflora	Karl Foerster Feather Reed Grass	69	No. 2	Cont.	2' o/c
Hb	Hemerocallis 'Going Bananas'	Going Bananas Daylily	71	No. 1	Cont.	1.5' o/c
Ic	Ilex crenata 'Bennett's Compacta'	Bennett's Compact Japanese Holly	20	24" Ht.	B&B	4' o/c
Jh	Juniperus horizontalis 'Wiltonii'	Blue Rug Juniper	6	No. 5	Cont.	4.5' o/c
Ra	Rhus aromatica 'low-gro'	Gold-low Fragrant Sumac	20	24" Spread	Cont.	4' o/c
Sg	Spiraea x 'Goldmound'	Goldmound Spiraea	29	18" Ht.	Cont.	3' o/c
Te	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	5	5' Ht.	B&B	4' o/c
Tr	Thuja occidentalis 'Rheingold'	Rheingold Arborvitae	10	24" Ht.	B&B	4' o/c



GENERAL NOTES:
 USE WHEREVER MULCHED PLANTINGS TRANSITION TO TURF AREAS, INCLUDING ALL TREE MULCH RINGS, SHRUB BEDS, MASS PLANTINGS BEDS, ETC...

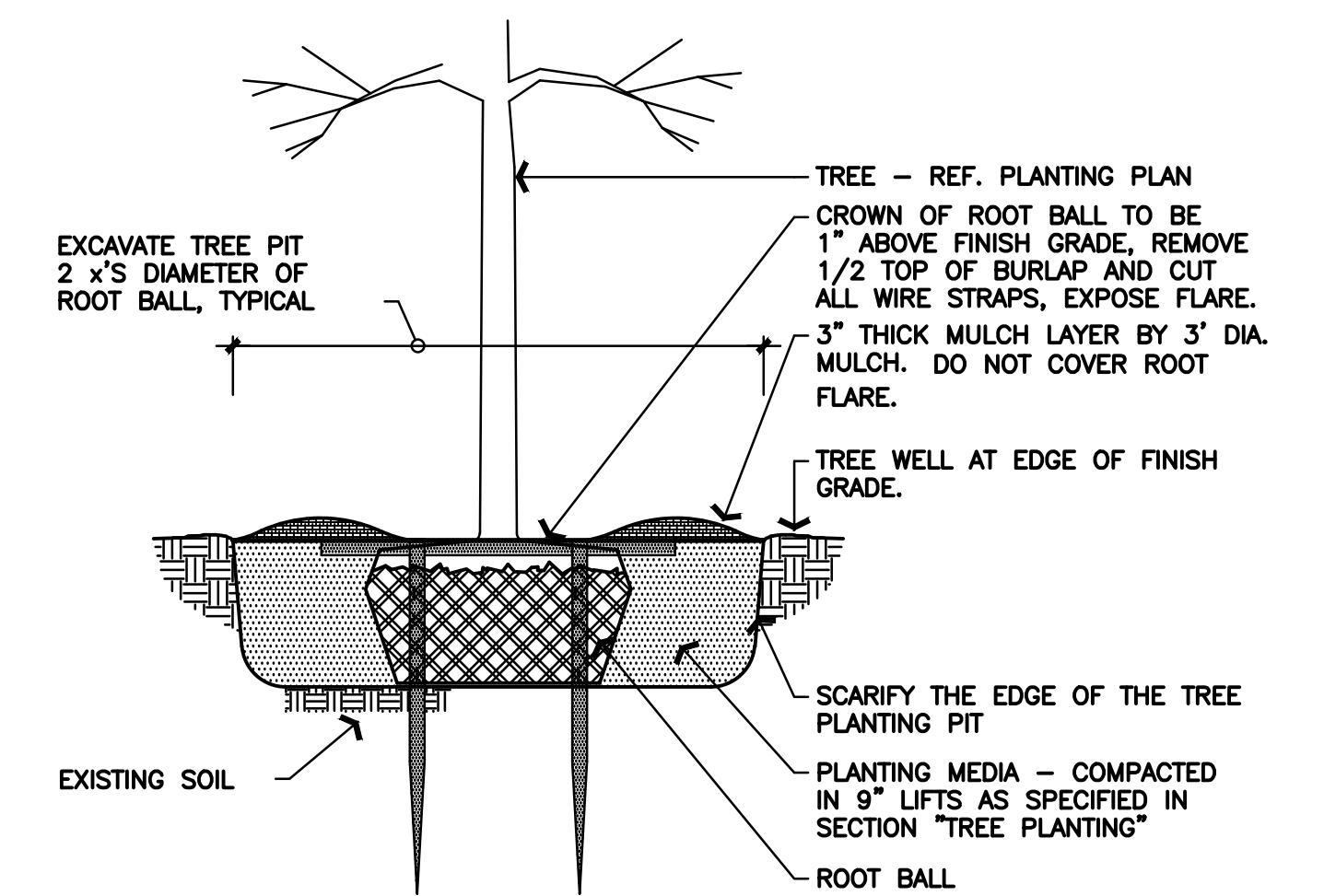
EARTH SPADE EDGE DETAIL

N.T.S.



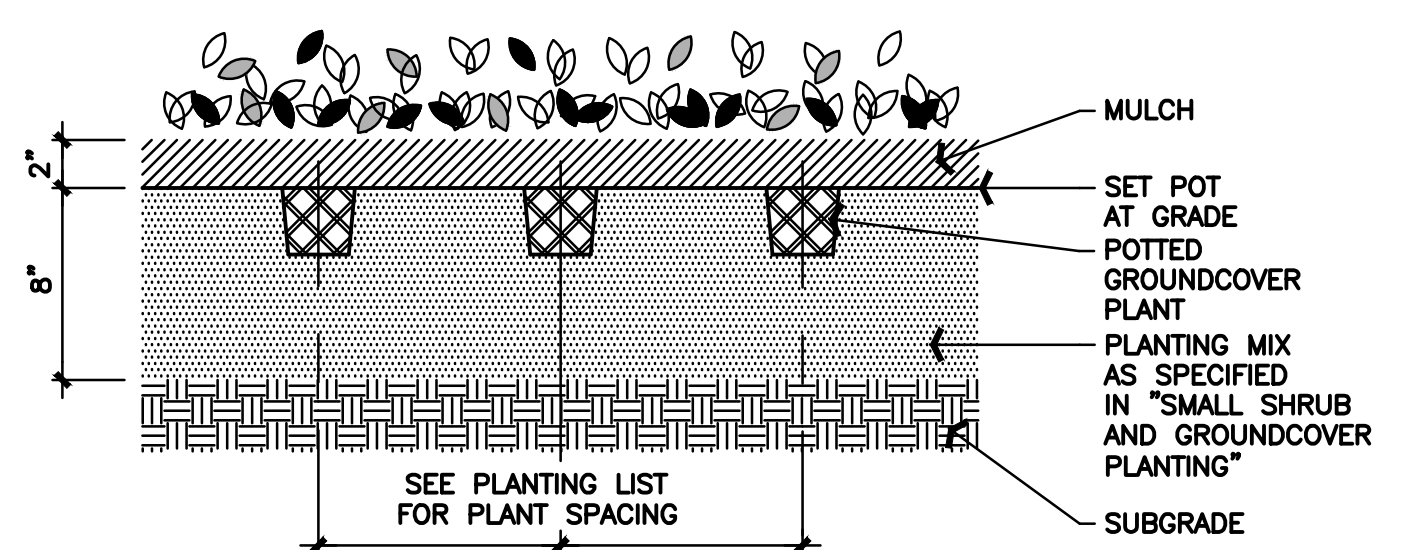
TREE PLANTING IN PLANTER - SECTION

1/2" = 1'-0" 0 2'



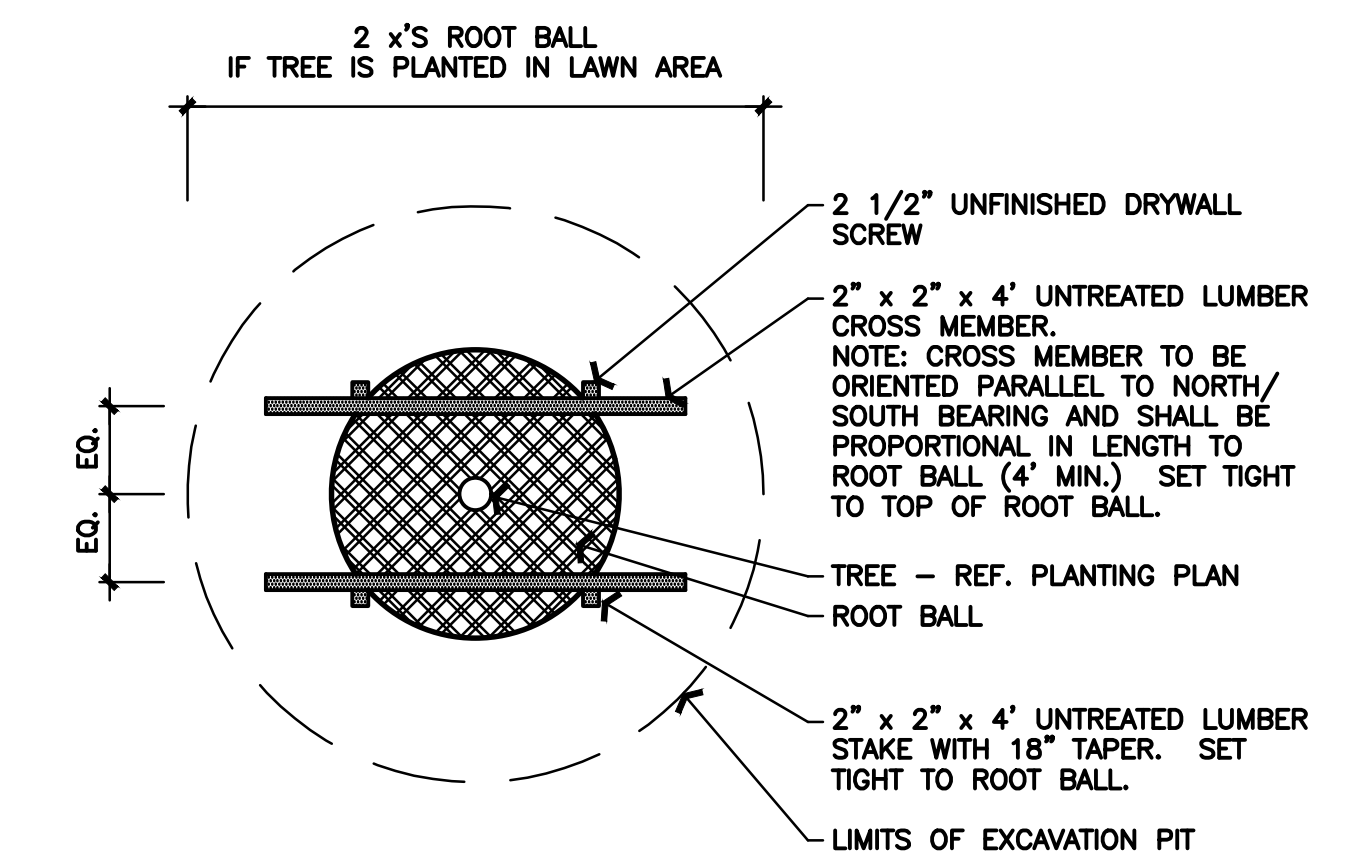
TREE PLANTING IN LAWN - SECTION

1/2" = 1'-0" 0 2'



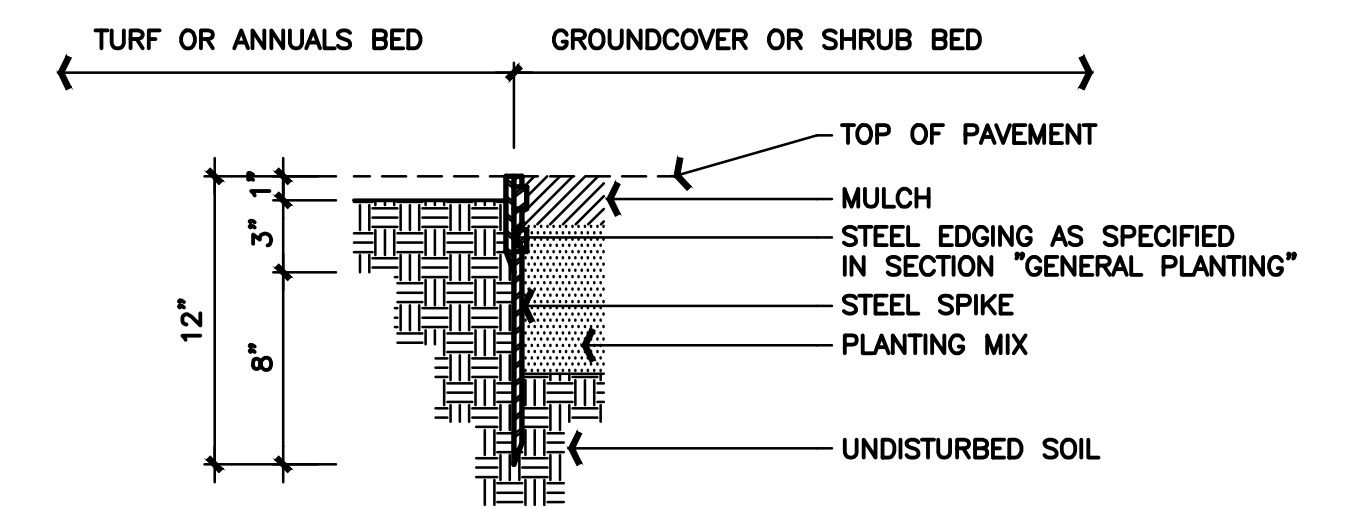
GROUNDCOVER PLANTING - SECTION

1 1/2" = 1'-0" 0 1'



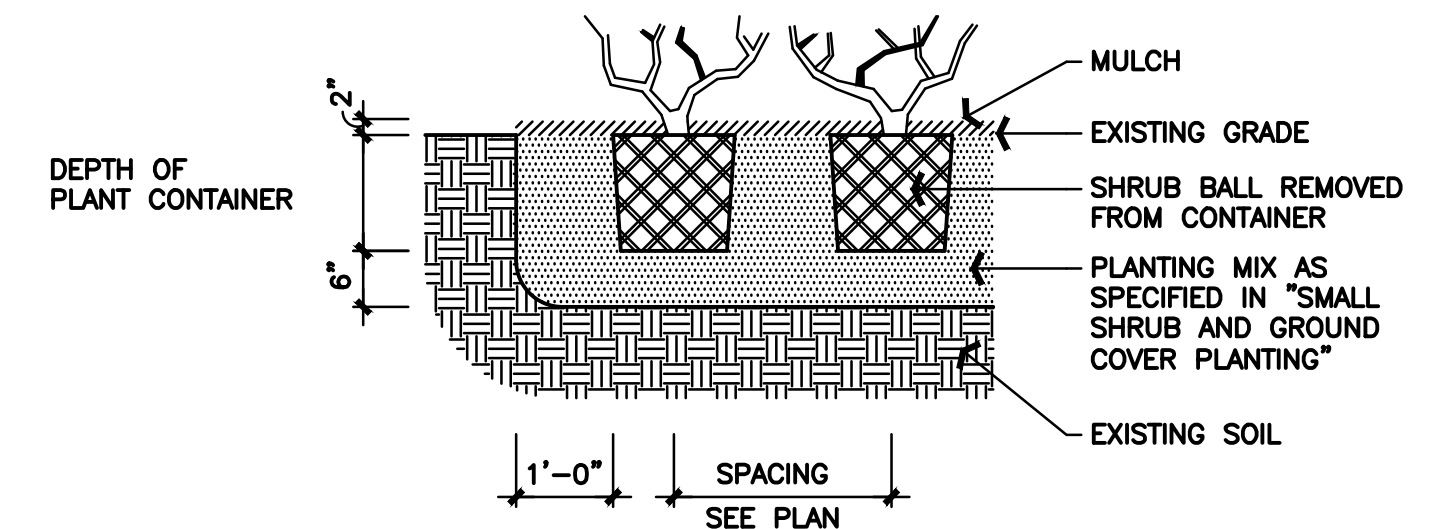
TYPICAL TREE STAKING - PLAN

1/2" = 1'-0" 0 2'



STEEL EDGING - SECTION

1 1/2" = 1'-0" 0 1'



SHRUB PLANTING - SECTION

1/2" = 1'-0" 0 2'

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TACO BELL

5964 WEST JOHN L. MODGLIN DR.
 GREENFIELD, IN 46140



ENDEAVOR 20 LANDSCAPE DETAILS

L-501

PLOT DATE:

Drawing Name: C:\2021\02\108841 - Greenfield, IN (M Combi)\L Working Files\01_CAD\00_Dwg\CISheets\02\1088.41_Landscape.dwg April 28, 2022 - mkinler