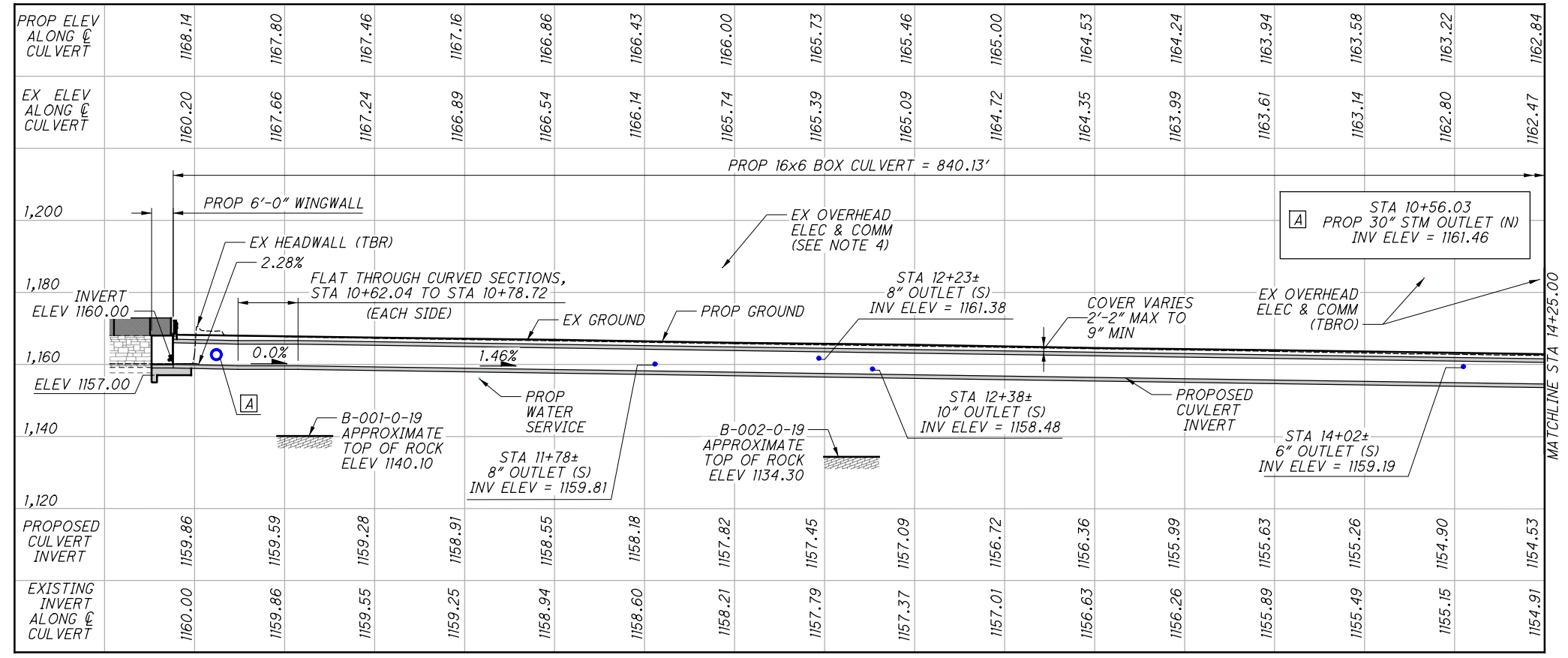
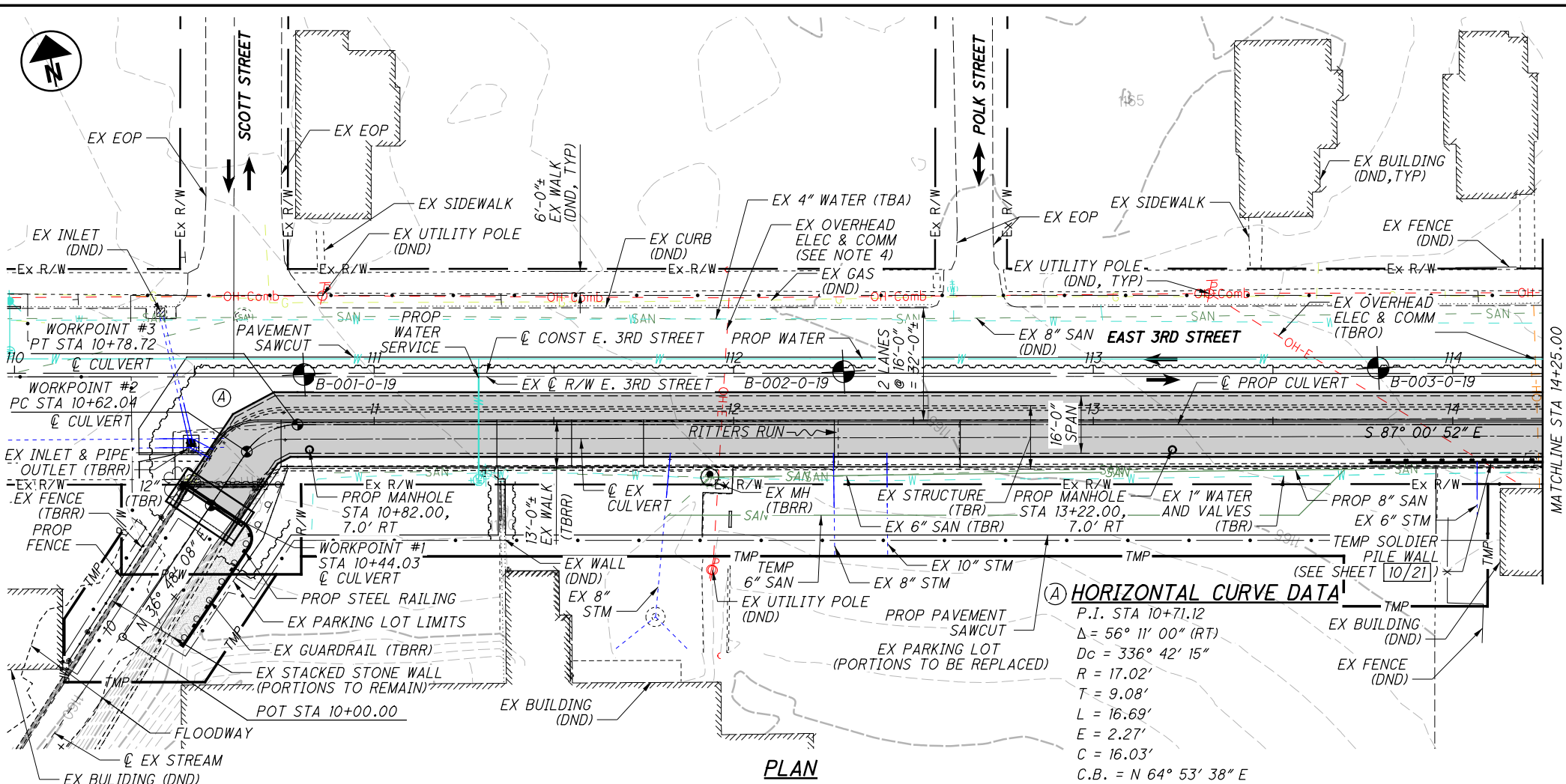


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PROFILE ALONG CENTERLINE CULVERT
(EX CULVERT (TBR) AND EX OUTLETS NOT SHOWN FOR CLARITY)

BM #	ELEVATION	DESCRIPTION
BM #1	1170.69	CHISELED "X" ON THE SOUTH FLANGE BOLT SIDE OF A FIRE HYDRANT LOCATED ON THE NORTH SIDE OF E. 3RD STREET, 60 FEET EAST OF MICAH PLACE.
BM #51	1145.78	RAILROAD SPIKE IN THE SOUTH SIDE OF A WOODEN UTILITY POLE LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF E. 3RD STREET AND ASHLAND ROAD (U.S. 42)

- NOTES**
- EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
 - UTILITY LOCATIONS, OUTLETS, AND LIMITS ARE PROVIDED BASED ON RECORD PLAN INFORMATION AND FIELD INVESTIGATIONS, AND ARE CONSIDERED APPROXIMATE.
 - BORINGS B-003-0-19, B-004-0-19, AND B-005-0-19 DID NOT ENCOUNTER BEDROCK.
 - EXISTING OVERHEAD LINES TO BE TEMPORARILY RELOCATED OR DEENERGIZED. CONTRACTOR SHALL COORDINATE WITH UTILITY PRIOR TO CONSTRUCTION.
 - SEE ABBREVIATION LEGEND ON SHEET [7/21].

- LEGEND**
- PROPOSED 16X6 BOX CULVERT
 - TEMPORARY SHORING, SEE SHEET [10/21] FOR LIMITS
 - PROJECT BORING
 - WORKPOINT
 - CONSTRUCTION LIMITS

HYDRAULIC DATA

DRAINAGE AREA = 1.42 SQ. MILES
 Q (25) = 887 CFS V (25) = 11.4 FT/S HW (25) = 1163.10
 Q (100) = 1,222 CFS V (100) = 15.7 FT/S HW (100) = 1165.30
 STRUCTURE CLEARS THE 100 YEAR DESIGN HW BY 1.3 FEET.

EXISTING STRUCTURE

TYPE: VARIABLE SIZED CAST-IN-PLACE 4-SIDED REINFORCED CONCRETE BOX CULVERTS AND A SINGLE SPAN FILLED BRICK ARCH.

SPANS: 15'-0" MAX TO 12'-0" MIN MEASURED NORMAL TO CULVERT
 ROADWAY: 32'-0"± EDGE/EDGE PAVEMENT
 LOADING: UNKNOWN
 SKEW: VARIES
 APPROACH SLABS: NONE
 ALIGNMENT: VARIES
 CROWN: VARIES
 STRUCTURAL FILE NUMBER: 7002858 (ODOT) / 7060696 (LOCAL)
 DATE BUILT: 1900
 DISPOSITION: PARTIAL REPLACEMENT

PROPOSED STRUCTURE

TYPE: 16' SPAN X 6' RISE PRECAST REINFORCED CONCRETE 4-SIDED BOX CULVERT WITH CAST-IN-PLACE REINFORCED CONCRETE HEADWALLS AND WINGWALLS FOUNDED ON CAST-IN-PLACE REINFORCED CONCRETE FOOTINGS.

SPANS: 16'-0" CLEAR SPAN MEASURED NORMAL TO CULVERT
 ROADWAY: 32'-0"± EDGE/EDGE PAVEMENT
 LOADING: HL-93 WITH 60 PSF FUTURE WEARING SURFACE
 SKEW: NONE
 APPROACH SLABS: NONE
 ALIGNMENT: VARIES
 CROWN: VARIES

COORDINATES: LATITUDE N 40°45'33.77"
 LONGITUDE W 82°30'23.40"

DESIGN AGENCY: **EMHT**
 DATE: 04/09/21
 REVIEWED: CAS
 DRAWN: RMW
 DESIGNED: RMW
 CHECKED: TDA
 RICHLAND COUNTY
 STA.: 10+44.03
 STA.: 14+25.00
SITE PLAN
 BRIDGE NO. RIC-3RDS-00313
 EAST 3RD STREET OVER RITTERS RUN
RIC-3RD ST-00.31
 1 / 21
 41
 61

