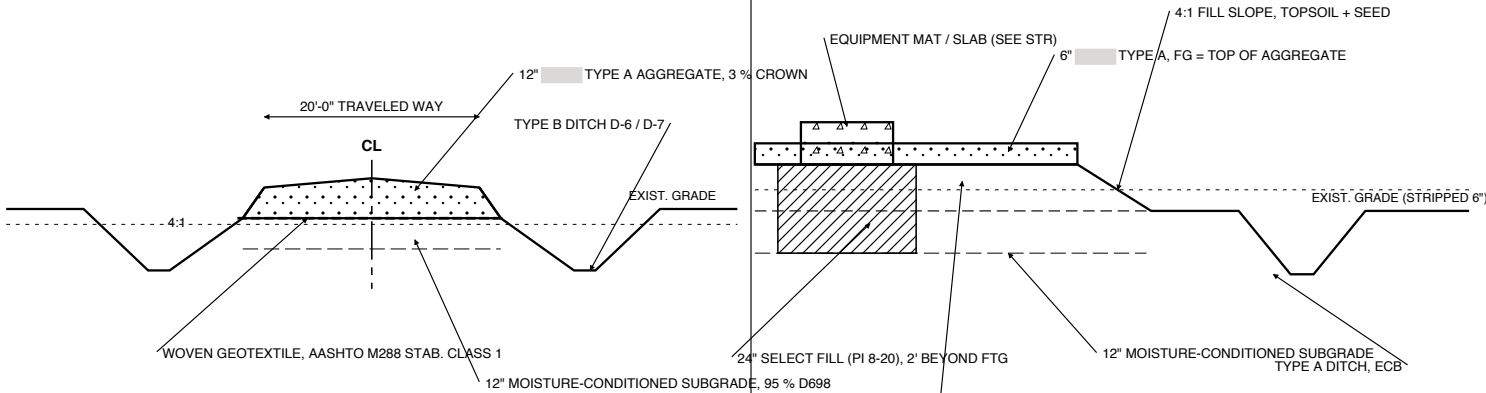
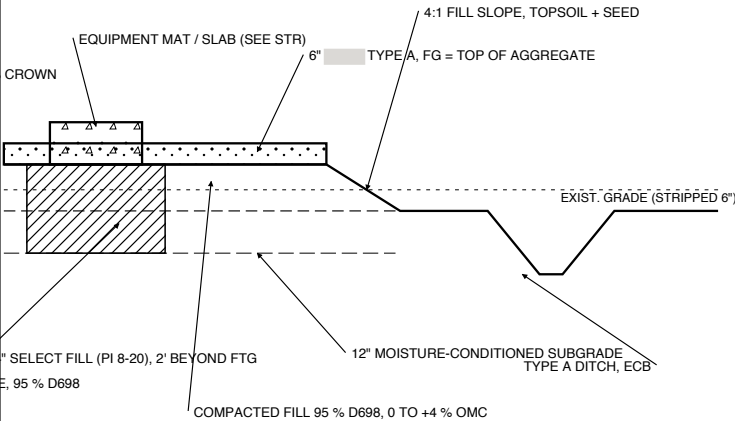


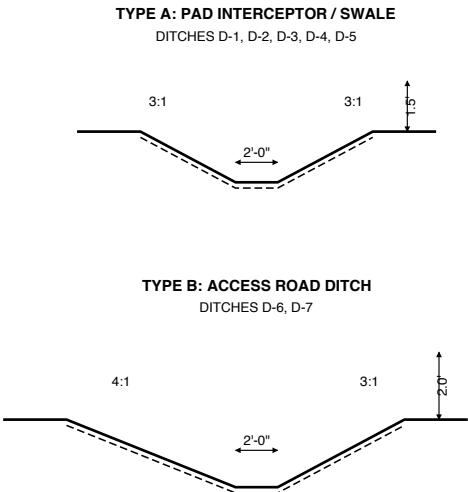
PIPE CROSSINGS (PLOT PLAN): RX-1 12"-G-1042-A6 UNDER R-3, COVER 4.0 FT; RX-2 2"-F-1051-A1 UNDER R-6, COVER 4.0 FT.
INTERNAL ROADS R-1 TO R-7 (R-7 12 FT WIDE): SAME SECTION, TOP FLUSH WITH PAD, NO DITCHES.
48 IN MIN COVER BELOW TOP OF ROAD; SELECT FILL OR CLSM BACKFILL IN THE ROAD WIDTH + 2 FT.



1 **ACCESS ROAD TYPICAL SECTION**
NTS, VERTICAL EXAGGERATION 3X

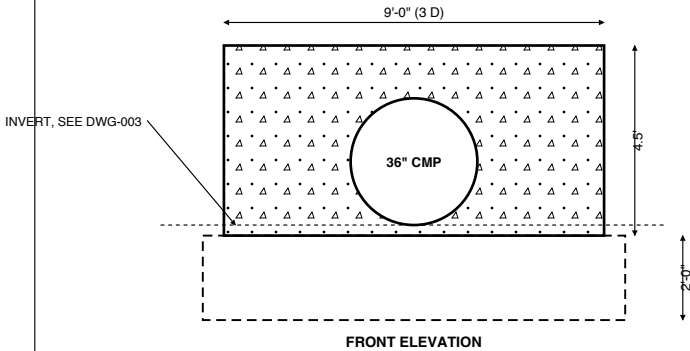


2 **PAD EDGE AND SELECT FILL SECTION**
NTS



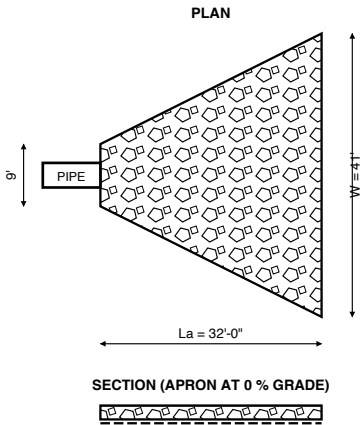
LINING: SEED + STRAW/COCONUT ECB (DOUBLE NET), STAPLED 1.5/SY.
ANCHOR TRENCH 6" x 6" AT TOP OF SLOPE, 6" OVERLAPS SHINGLED DOWNSTREAM.
DASHED LINE = ECB. FLOWLINE SLOPES PER CIV-DWG-003.

3 **DITCH SECTIONS**
NTS



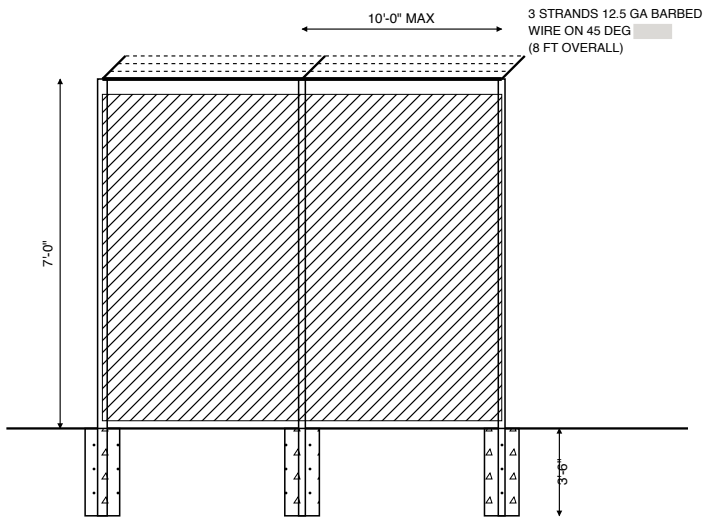
CUL-1: 36 IN CMP, 2-2/3 x 1/2 IN CORR., 14 GA, ALUMINIZED TYPE 2, 96 FT, S = 0.8 %, 12 IN MIN COVER. HEADWALL EACH END.
HEADWALL: 4,000 PSI CONCRETE, 10 IN THICK, #4 @ 12 IN EACH WAY EACH FACE.
FOOTING 2 FT BELOW INVERT (FROST + SCOUR), 2 FT CLEAR BEYOND WALL.
BEDDING: 6 IN TYPE A; STRUCTURAL BACKFILL 1.5 FT EACH SIDE AND 1 FT OVER CROWN, 6 IN LIFTS BOTH SIDES TOGETHER, 95 % D698.
RIPRAP TOE APRON 5 FT AT INLET; OUTLET APRON PER DETAIL 5.
COUNTY MAY REQUIRE SAFETY END SECTIONS INSTEAD (HOLD H-05).

4 **CULVERT CUL-1 HEADWALL**
NTS



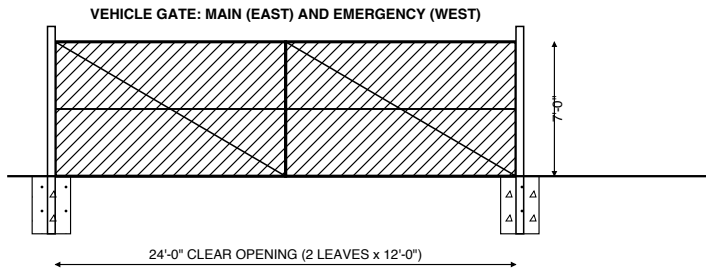
CUL-1 OUTLET: d50 = 6 IN, dmax = 9 IN, THICKNESS 12 IN, 43 TONS.
CUL-1 INLET TOE: 5 FT x 6 FT, SAME STONE.
SE OUTFALL: 10 x 11 FT, SAME STONE.
THEN LEVEL SPREADER 35 FT, 0.0 % LIP ON UNDISTURBED GRADE.
STONE: TYPE I PLAIN RIPRAP OR GRADED STONE, SG >= 2.5.
NONWOVEN GEOTEXTILE 8 OZ/SY UNDER ALL RIPRAP (DASHED).
TOTAL RIPRAP 50 TONS (CIV-CAL-002).

5 **RIPRAP APRON AND LEVEL SPREADER**
NTS



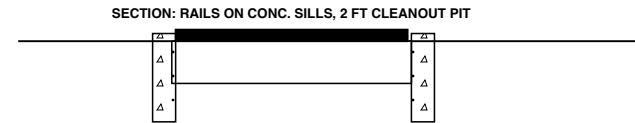
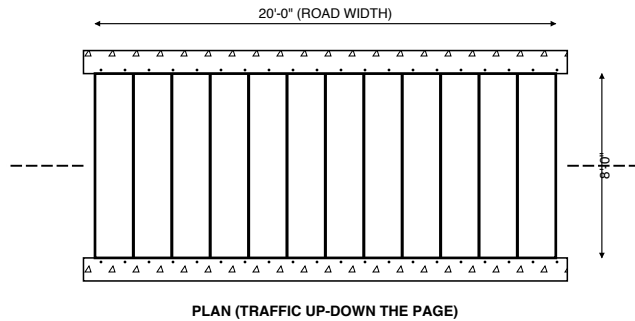
FABRIC: 9 GA GALV. CHAIN LINK, 2 IN MESH, 84 IN HIGH, KNUCKLED BOTTOM, 2 IN MAX GROUND CLEARANCE. LINE POSTS 2-3/8 IN OD SCH 40 @ 10 FT MAX; TERMINAL / CORNER POSTS 2-7/8 IN OD; GATE POSTS 4 IN OD (24 FT LEAVES). TOP RAIL 1-5/8 IN, 7 GA BOTTOM TENSION WIRE. FOOTINGS 3,000 PSI: 12 IN DIA x 42 IN (LINE), 18 IN DIA x 48 IN (TERMINAL / GATE). BRACE AND TRUSS AT EVERY TERMINAL. GROUND FENCE PER ELECTRICAL.

6 **CHAIN LINK FENCE**
NTS



FRAMES 2 IN OD SCH 40 GALV., WELDED, FABRIC TO MATCH FENCE, 3-STRAND BARBED WIRE EXTENSION; DIAGONAL 3/8 IN TRUSS ROD EACH LEAF.
DROP BAR, CENTER STOP EMBEDDED IN CONCRETE, HOLD-OPEN KEEPERS AT 90 DEG.
PADLOCK HASP; EMERGENCY GATE WITH PANIC-OPEN CHAIN AND KNOX PADLOCK (OWNER).
PERSONNEL GATES (2): 4 FT x 7 FT SINGLE LEAF, SELF-CLOSING, OPENS OUTWARD, PANIC HARDWARE INSIDE (EGRESS WITHOUT KEY). GATE ZS-211 SWITCH PER INS.

7 **VEHICLE AND PERSONNEL GATES**
NTS



PREFABRICATED STEEL CATTLE GUARD, AASHTO HL-93 RATED (CRANE AXLE 26.5 KIP), 20 FT x 8 FT, ON CAST-IN-PLACE SILLS 12 IN x 42 IN, 4,000 PSI, #5 CONT. x 4.
WING FENCES 16 FT EACH SIDE (4-STRAND BARBED), TIE TO PASTURE FENCE.
16 FT TUBULAR STEEL BYPASS GATE ADJACENT. LOCATION X = 830, Y = 62.
DELETE IF THE LANDOWNER DOES NOT REQUIRE (HOLD H-03).

8 **CATTLE GUARD**
NTS

NOTES / REFERENCES

- ALL DETAILS NOT TO SCALE. DIMENSIONS GOVERN.
 - AGGREGATE: TYPE A (SECTION 703.01), GEOTEXTILE: AASHTO M288 (CIV-CAL-003).
 - COMPACTION AND MOISTURE PER CIV-CAL-001 SECTION 8, EXPANSIVE CLAY RULES: CIV-RPT-001.
 - DRAINAGE SIZES FROM CIV-CAL-002. CONCRETE 4,000 PSI, REBAR ASTM A615 GR 60.
 - CUL-1 SIZE, END TREATMENT AND INVERTS SUBJECT TO COUNTY PERMIT AND SURVEY (HOLD H-05, H-02).
- REF: CIV-CAL-001/002/003
REF: CIV-RPT-001

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO _____

COUNTY, _____
DISCIPLINE: CIVIL
SCALE: NTS

CIVIL SECTIONS AND DETAILS

ROAD, PAD, DITCH, CULVERT, RIPRAP, FENCE
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO. **CIV-DWG-004**
SHEET 1 OF 1 REV A