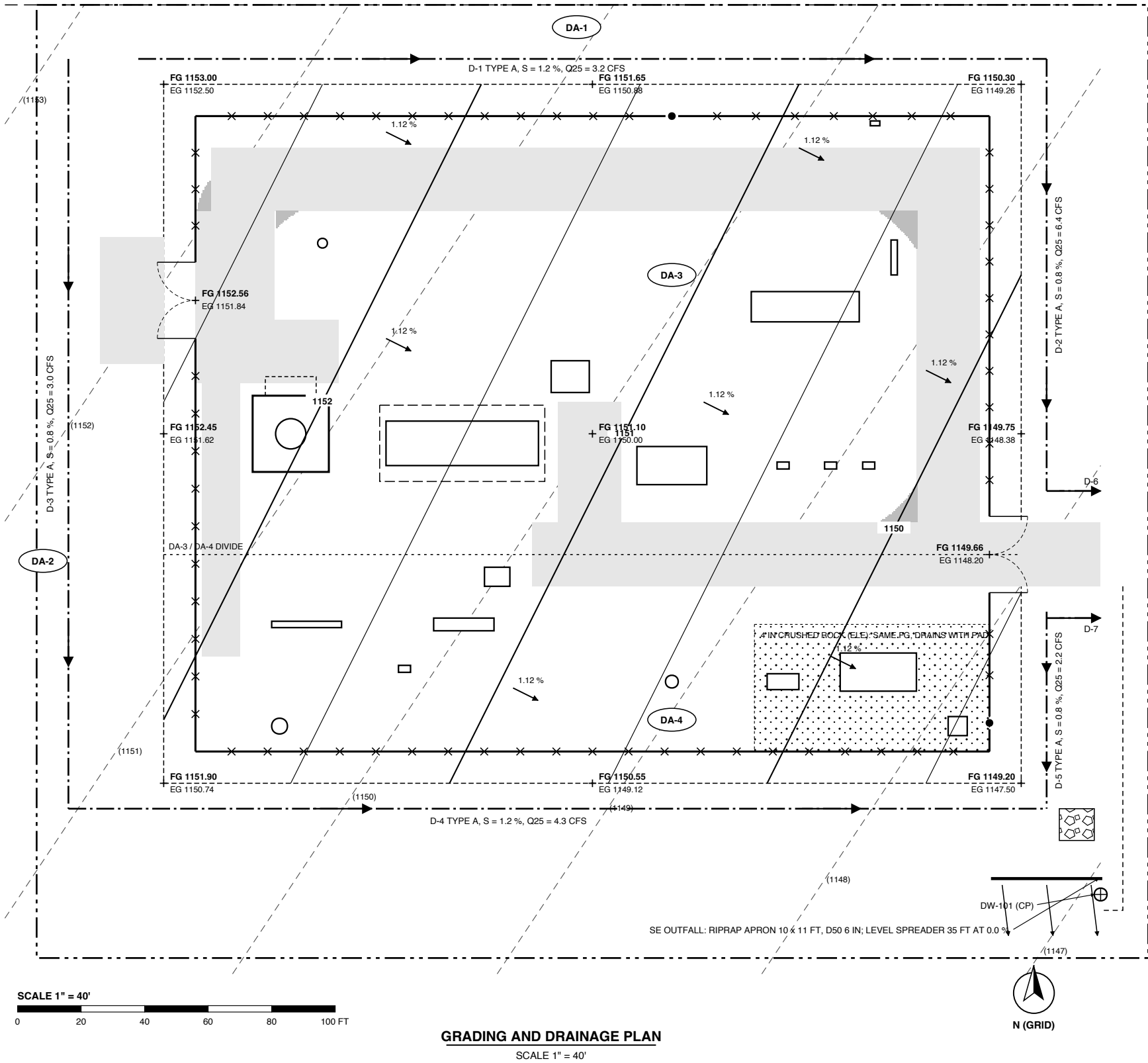


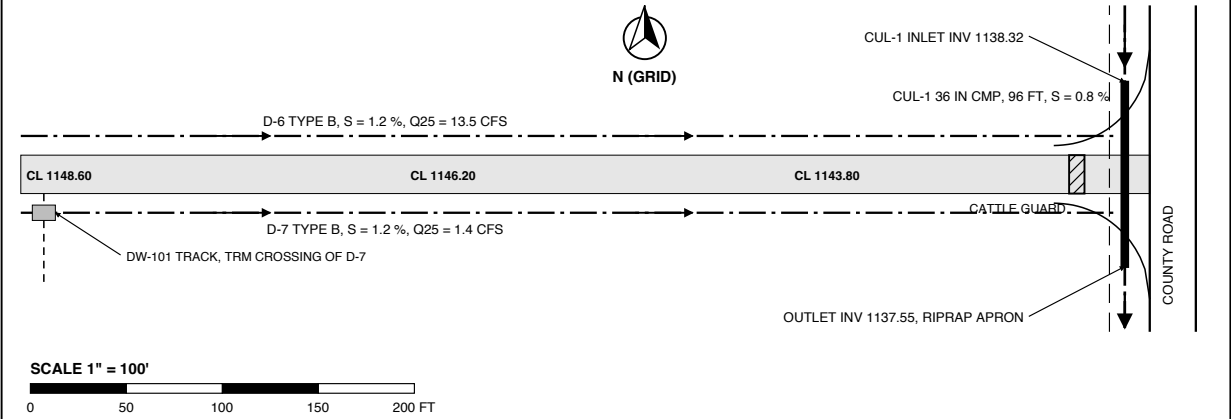
D
C
B
A



GRADING AND DRAINAGE PLAN

SCALE 1" = 40'

ACCESS ROAD PROFILE: CROWN 1.0 FT ABOVE EXISTING, 1.2 % FALL EAST



ACCESS ROAD DRAINAGE AND ENTRANCE CULVERT

SCALE 1" = 100'

DITCH SCHEDULE (CIV-CAL-002)

DITCH	TYPE	L (FT)	S (%)	Q25 (CFS)	LINING
D-1	A	286	1.20	3.19	SEED + STRAW/COCONUT ECB
D-2	A	136	0.80	6.41	SEED + STRAW/COCONUT ECB
D-3	A	236	0.80	3.03	SEED + STRAW/COCONUT ECB
D-4	A	308	1.20	4.32	SEED + STRAW/COCONUT ECB
D-5	A	62	0.80	2.21	SEED + STRAW/COCONUT ECB
D-6	B	587	1.20	13.47	SEED + STRAW/COCONUT ECB
D-7	B	587	1.20	1.44	SEED + STRAW/COCONUT ECB

DITCH SECTIONS

TYPE A: 2 FT BOTTOM, 3:1 / 3:1 SIDES, 1.5 FT DEEP (PAD INTERCEPTOR / SWALE)
TYPE B: 2 FT BOTTOM, 4:1 / 3:1 SIDES, 2.0 FT DEEP (ACCESS ROAD DITCH)

PEAK FLOWS AT CUL-1 (RATIONAL METHOD, NOAA ATLAS 14, VERIFY)

Q10 = 22.4 CFS, Q25 = 29.6 CFS, Q100 = 42.5 CFS
HW25 = 2.66 FT (HW/D = 0.89); 100-YR DOES NOT OVERTOP
SE OUTFALL Q25 = 4.3 CFS
PAD ELEVATIONS 1149.24 TO 1152.96; PAD ENTIRELY IN FILL
PAD PLANE: FG = 1151.10 AT (125,100); 1.0 % FALL EAST, 0.5 % FALL SOUTH

LEGEND

- EXISTING CONTOUR (1 FT), ASSUMED (H-02)
- PROPOSED PAD CONTOUR (0.5 FT)
- DITCH FLOWLINE WITH FLOW ARROW
- LEVEL SPREADER

+ FG 1151.10 / EG 1150.00: SPOT ELEVATION
DA-n: DRAINAGE AREA (CAL-002)

NOTES / REFERENCES

- EXISTING GROUND IS AN ASSUMED PLANE (HOLD H-02). REGRADE FROM THE TOPOGRAPHIC SURVEY BEFORE IFC.
 - ELEVATIONS FT NAVD88. FG = TOP OF AGGREGATE. PAD MIN 0.5 FT ABOVE EXISTING AT EVERY EDGE.
 - FILL SLOPES 4H:1V FROM PAD EDGE TO EXISTING GROUND; DITCH SIDES 3:1 (TYPE A), 4:1 / 3:1 (TYPE B).
 - ALL DITCHES SEEDED WITH STRAW/COCONUT ECB. CHECK DAMS AND SILT FENCE: CIV-DWG-005.
 - CUL-1 INVERTS FROM ASSUMED COUNTY DITCH DEPTH 3.0 FT; CONFIRM BY SURVEY AND COUNTY PERMIT (H-05).
 - LAYOUT AND ROADS PER MEC-DWG-001. DW-101 TRACK CROSSES D-7 ON TRM. DETAILS: DWG-004.
- REF: CIV-CAL-001
REF: CIV-CAL-002

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: AS SHOWN

GRADING AND DRAINAGE PLAN

PAD, DITCHES, ENTRANCE CULVERT
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO. _____
CIV-DWG-003
SHEET 1 OF 1 REV A