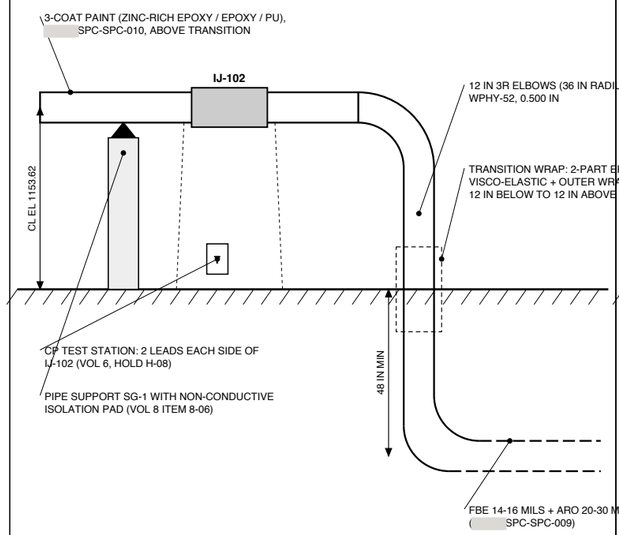
DETAIL 1: SOIL-TO-AIR AT IJ-102 RISER (1041 / 1042)

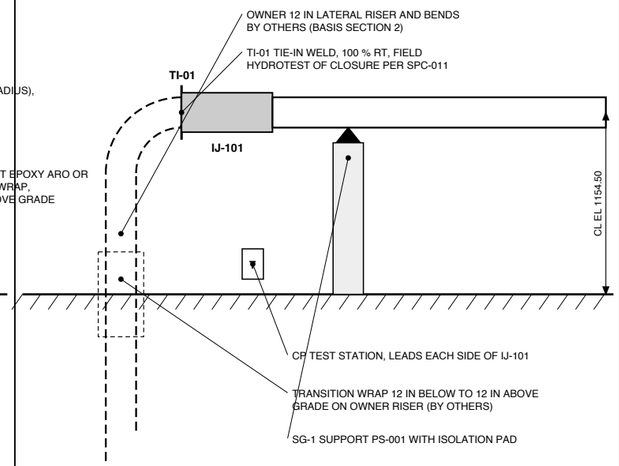
ELEVATION LOOKING WEST, NTS



GRADE AT RISER EL 1150.45; BURIED CL EL 1145.92.
0.375 / 0.500 IN WALL TAPER AT IJ-102 D/S WELD (B31.8 APP. I FIG. I5).

DETAIL 2: IJ-101 INLET TRANSITION (1001)

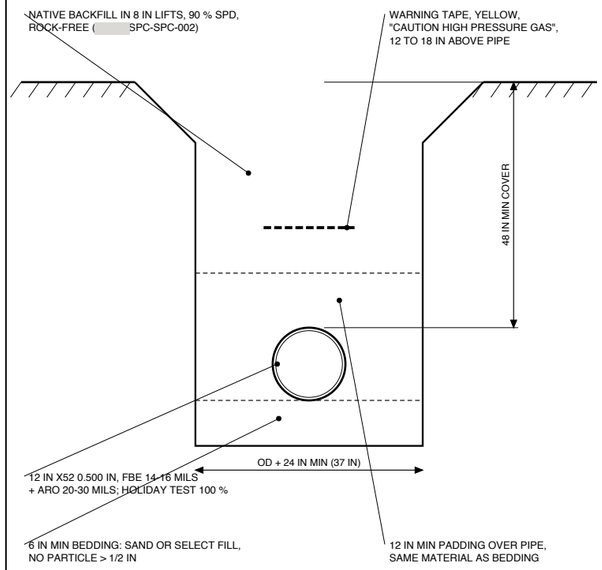
ELEVATION LOOKING NORTH, NTS



IJ-101: MONOLITHIC, NPS 12, 1,440 PSIG, BW PUPS 0.375 IN X52, 5 FT OAL TYPICAL, PIGGABLE BORE (DS-008). PIG PATH BENDS 3R.
UPSTREAM LATERAL AXIAL THRUST: SEE MEC-CAL-004 (HOLD H-16).

DETAIL 3: TYPICAL TRENCH, 12"-G-1042-A6

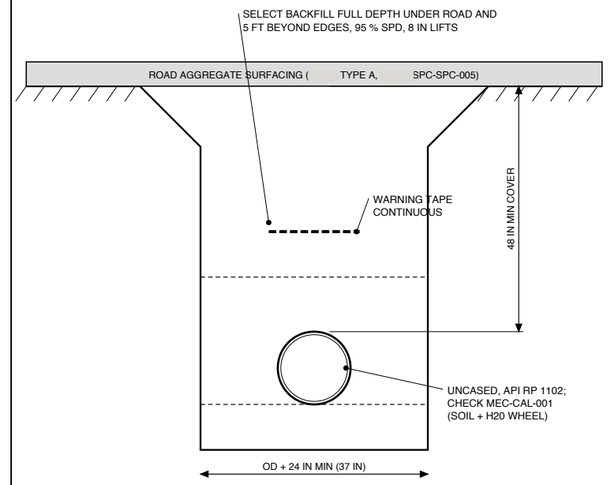
SECTION, NTS (OFF ROAD)



TRENCH WALLS SLOPED / SHORED PER OSHA 29 CFR 1926 SUBPART P.

DETAIL 4: ROAD CROSSING R-3 (1042), R-6 (1051)

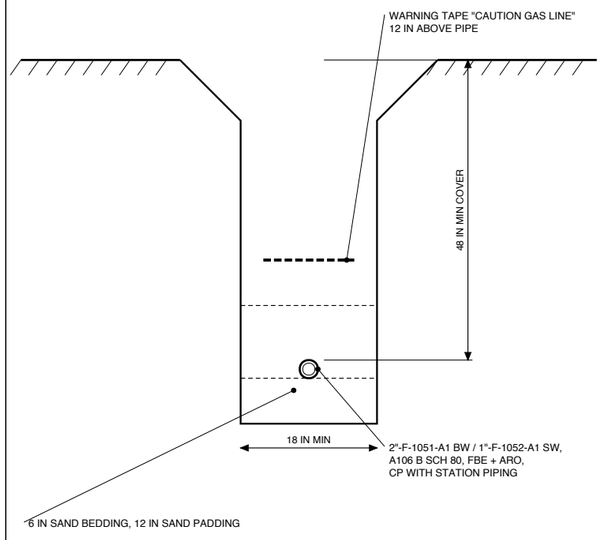
SECTION ACROSS ROAD, NTS



1042 AT R-3: 12 IN X52 XS 0.500 IN, COVER 51 IN AT ROAD CL.
1051 AT R-6 SPUR: 2 IN A106 B SCH 80, COVER >= 48 IN (CL EL 1146.0).
NO CASING, VENTS OR SPACERS. LINE MARKERS AT BOTH ROAD EDGES.
CROSSING ANGLE 90 DEG. KEEP 12 IN CLEAR OF OTHER UTILITIES.

DETAIL 5: BURIED FUEL GAS 1051 / 1052

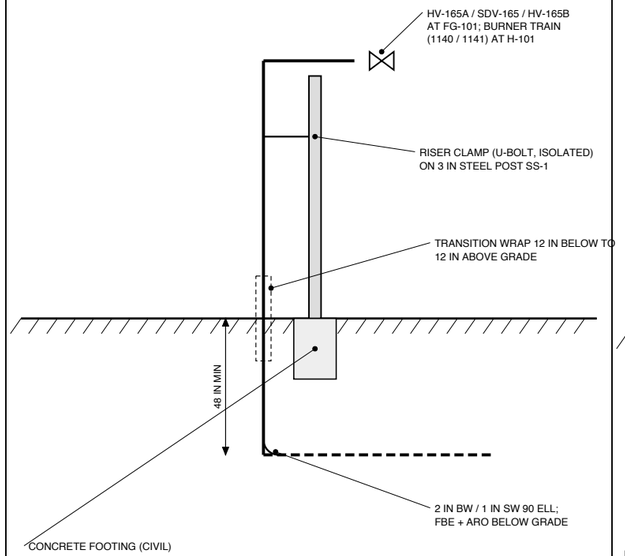
SECTION, NTS



CL EL 1146.0 THROUGHOUT (COVER 48 IN MIN); COMMON TRENCH 1051 / 1052 N/A.
CROSS UNDER DUCT BANKS AND 12 IN LINES WITH 12 IN MIN CLEARANCE.

DETAIL 6: BURIED FUEL GAS RISER (TYP. FG-101, H-101, G-101)

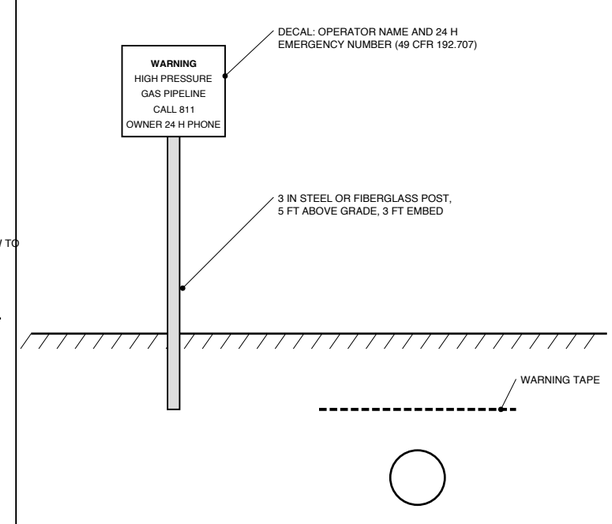
ELEVATION, NTS



RISERS: 1051 (103, 55) AND H-101 (211, 140); 1052 (100.5, 53);
G-101 (182, 26). SUPPORT WITHIN 2 FT OF EVERY RISER.

DETAIL 7: LINE MARKER AND WARNING TAPE

ELEVATION, NTS



LOCATIONS: 1042 AT ROAD R-3 BOTH EDGES, N FENCE, ROW LINE AND TI-02;
1051 AT R-6 BOTH EDGES; 1052 AT EACH CHANGE OF DIRECTION.
ROW MARKERS PER (HOLD H-04).

GENERAL NOTES

1. Buried piping inside the fence: 12"-G-1042-A6 (riser to fence), 2"-F-1051-A1 and 1"-F-1052-A1. All other process piping is above grade on supports (PIP-DWG-001, MEC-CAL-005).
2. Cover: 48 in minimum to top of pipe for 1042 and the fuel lines (basis 10: 36 in min, 48 in under roads and drainage; 48 in used throughout for simplicity and future grading).
3. Road crossings are uncased (API RP 1102). Casings are not used because they shield CP and create annulus corrosion; if Owner or county requires a casing, revise by MOC with insulating spacers, end seals and vent pipes.
4. Coating: FBE 14-16 mils with ARO overlay at road crossings and bores; girth welds two-part epoxy or FBE field joint; 100 % holiday detection before lowering-in (SPC-009).
5. Soil-to-air transitions: coating overlap per detail 1; no concrete encasement at risers; riser supports isolated.
6. IJ-101 and IJ-102 electrically isolate the station; test stations and bonds per Volume 6 CP drawings (HOLD H-08).
7. Excavation near the trunk: hand dig within 24 in of the located line, on site (OKIE811, HOLD H-04).
8. Backfill compaction and select fill per SPC-SPC-002; road surfacing per SPC-SPC-005.
9. Anchor blocks: none shown; buried-pipe thrust at risers is carried by the above-grade piping per MEC-CAL-004.
10. Hydrotest of buried piping before backfill of field joints per SPC-SPC-011 and MEC-CAL-003.

NOTES / REFERENCES

1. DETAILS ARE TYPICAL; LOCATIONS ON PIP-DWG-001 / -004.
2. COATING PER SPC-SPC-009 AND SPC-SPC-010.
3. EARTHWORK PER SPC-SPC-002.

REF: PIP-DWG-004
REF: MEC-CAL-001
REF: MEC-CAL-004

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: PIPING
SCALE: NTS

BURIED PIPING DETAILS

SOIL-TO-AIR, TRENCH, ROAD CROSSING, FUEL RISERS

DRAWN: ____ CHECKED: ____ APPROVED: ____

DWG NO.

PIP-DWG-007

SHEET 1 OF 1 REV A