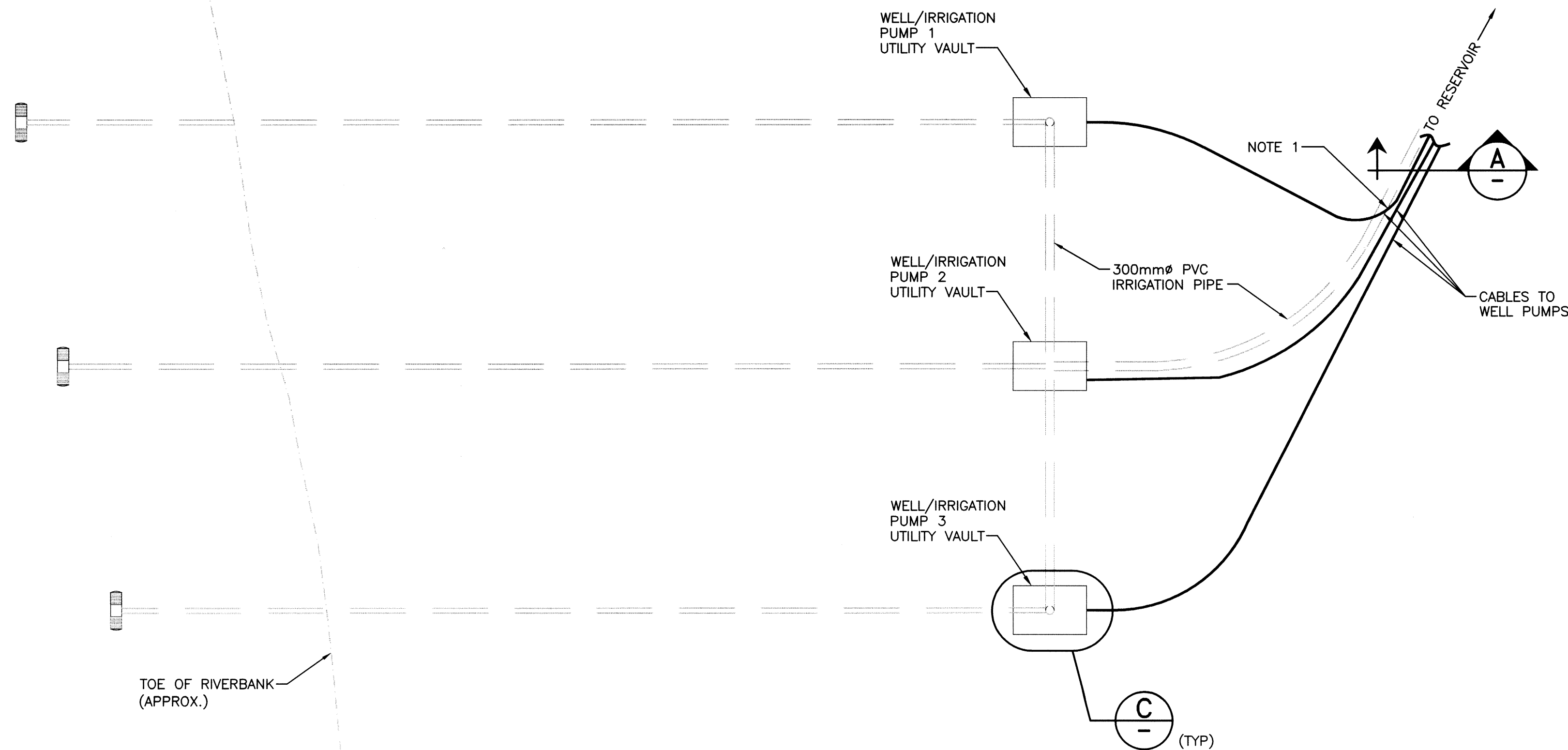
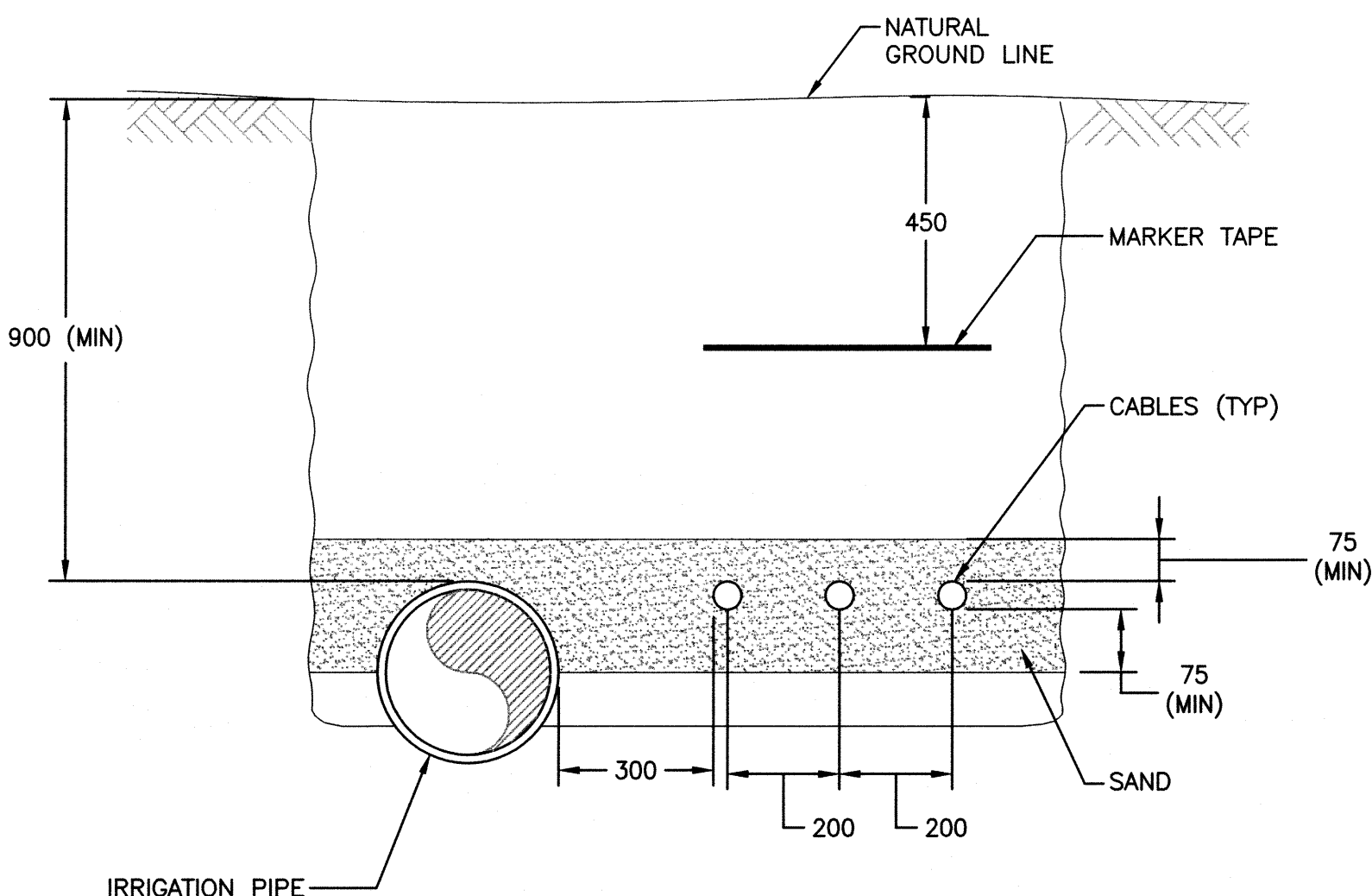


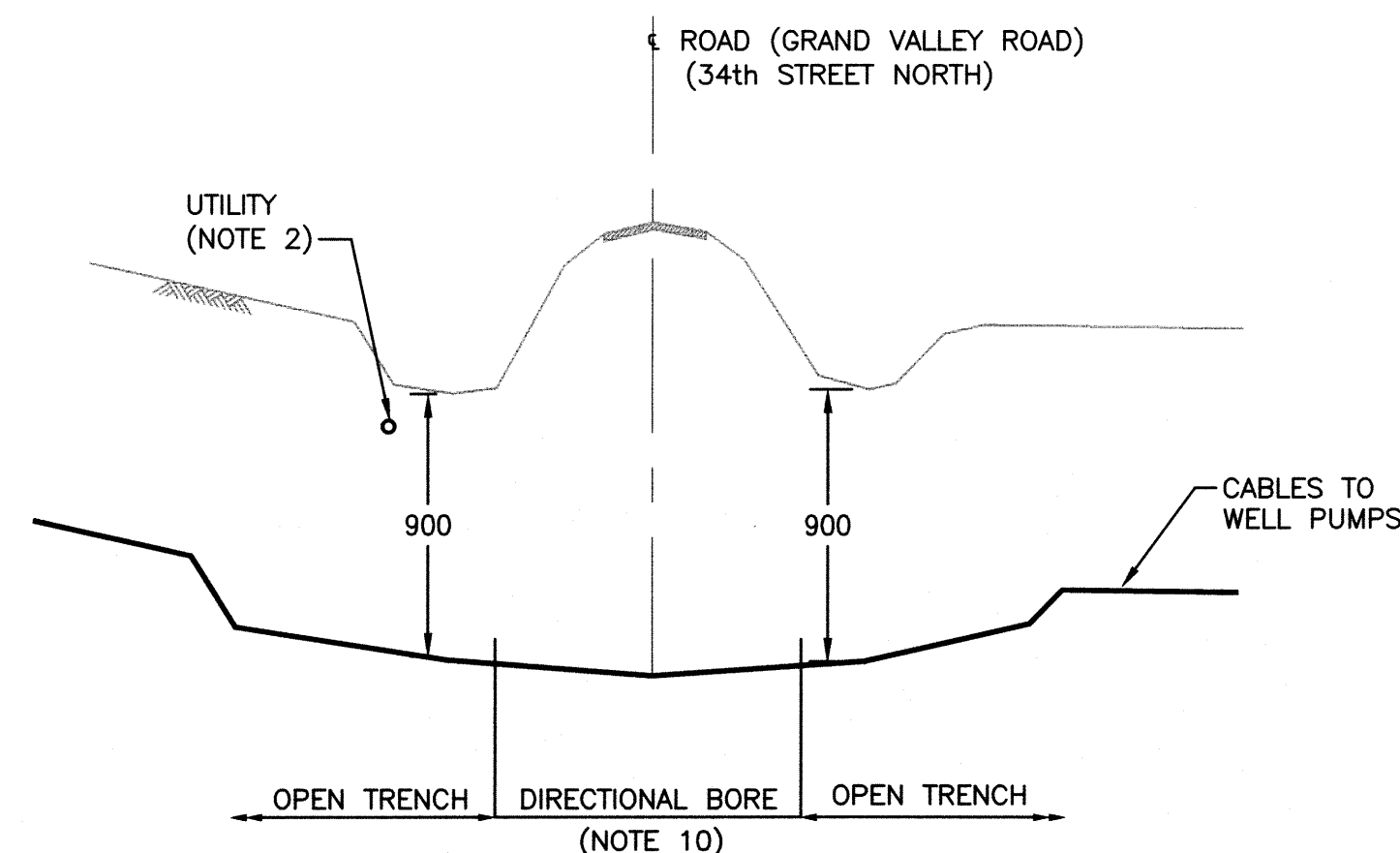
ASSINIBOINE RIVER
FLOW



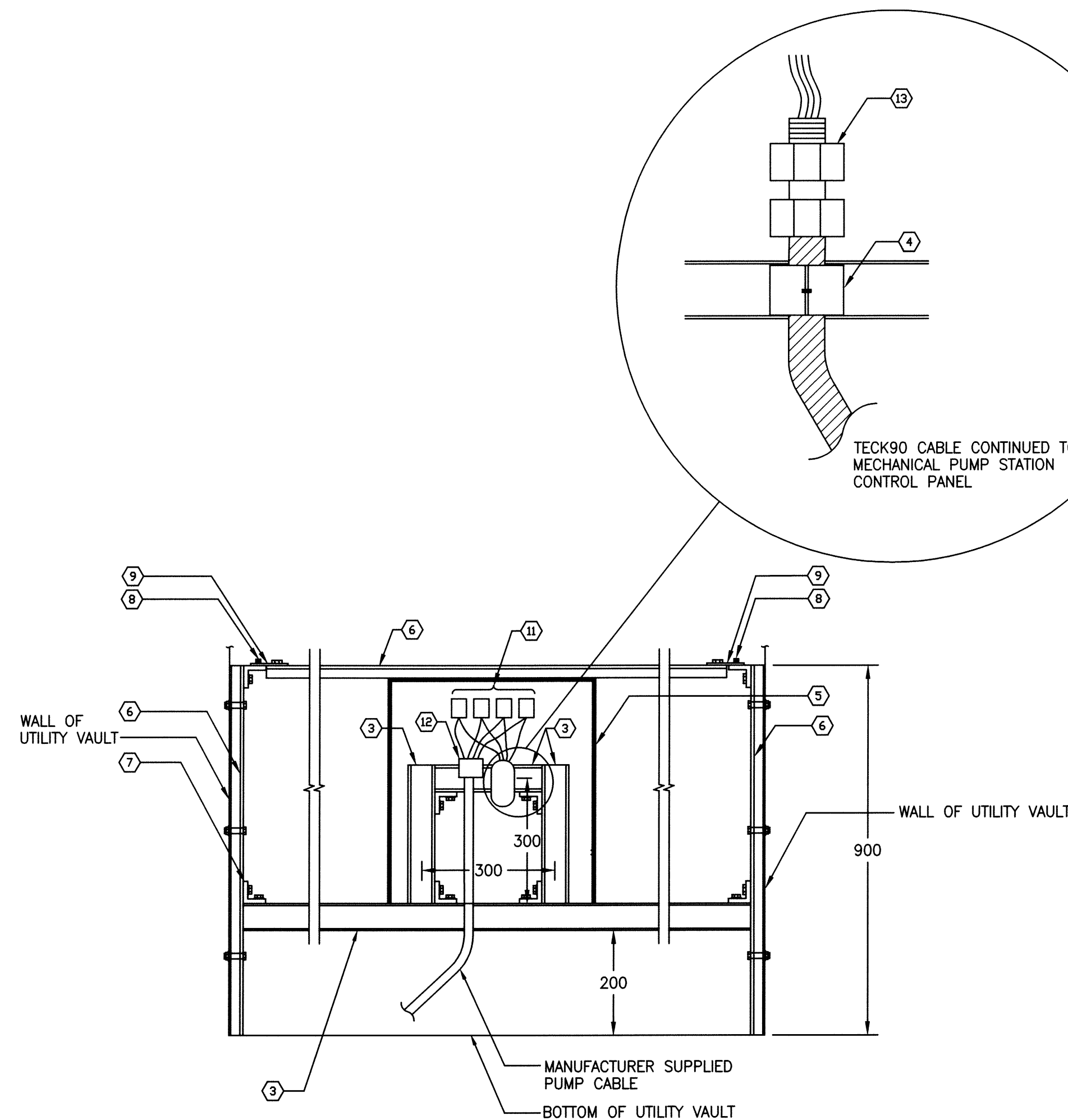
1 WET WELL PLAN
SCALE: 1:150mm (24"x36")



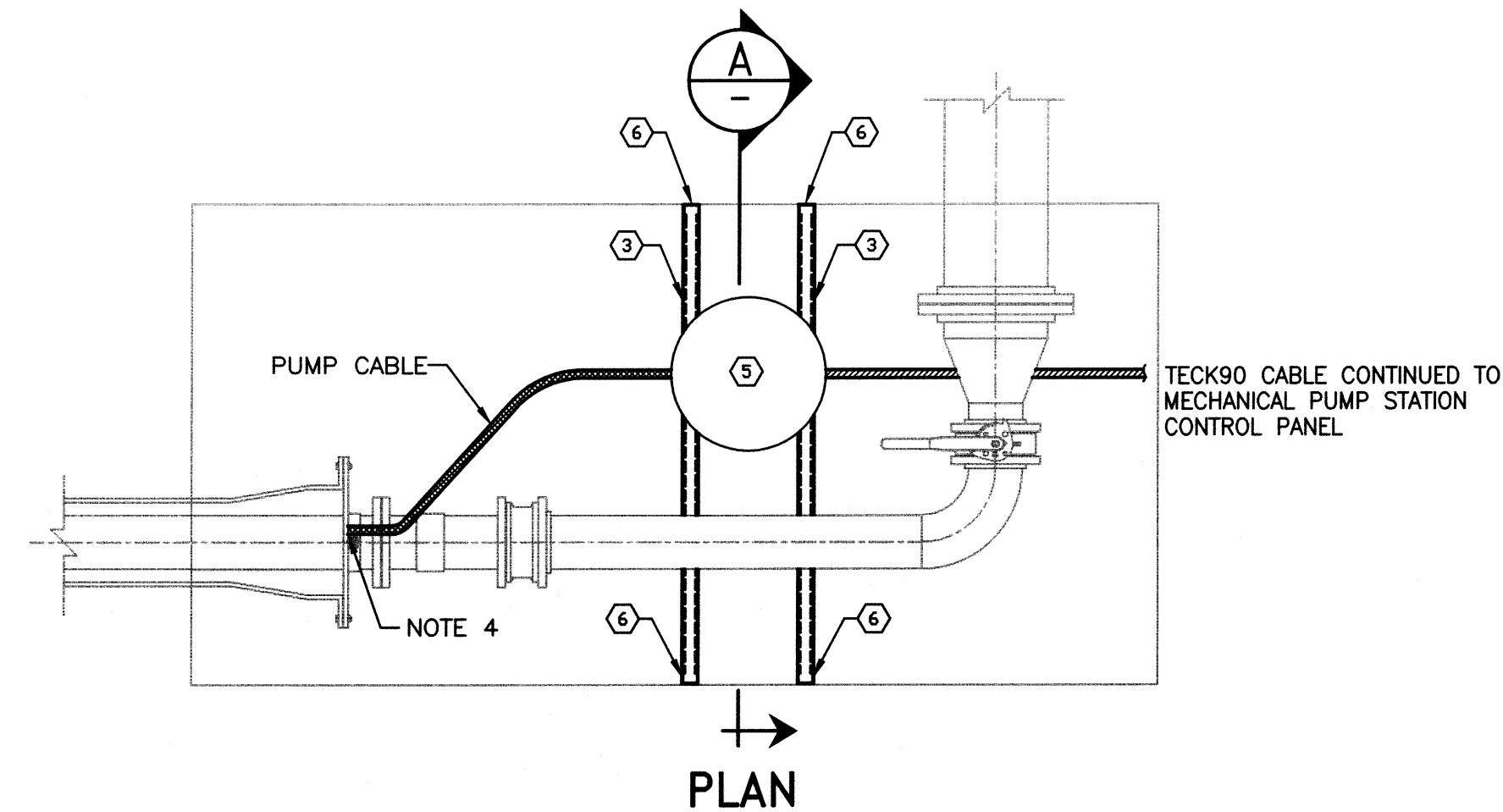
A TYPICAL TRENCH DETAIL (NOTE 3)
SCALE: N.T.S.



B ROAD CROSSING DETAIL (NOTE 3)
SCALE: N.T.S.



SECTION A-A
SCALE: N.T.S.



C UTILITY VAULT DETAIL (TYPICAL) (NOTE 9)
SCALE: 1:20

| JUNCTION BOX BILL OF MATERIAL | | | |
|-------------------------------|---|-------------------------|-------------------------|
| TAG NUMBER | DESCRIPTION | ACCEPTABLE MANUFACTURER | ACCEPTABLE MODEL NUMBER |
| 3 | 4 DIMENSION CHANNEL | COOPER B-LINE | 4022 |
| 4 | INSULCLAMP CABLE CLAMP | TE CONNECTIVITY | TO SUIT |
| 5 | TERMINATION COVER (NOTE 5) | POLYWEST | MC15 |
| 6 | GALVANIZED STEEL CHANNEL | COOPER B-LINE | B54 |
| 7 | TWO HOLE CORNER ANGLE | COOPER B-LINE | B101 |
| 8 | ONE STUD RING CONNECTION (NOTE 6) | COOPER B-LINE | B400-2 |
| 9 | TWO HOLE SPLICE PLATE | COOPER B-LINE | B129 |
| 10 | GEL CAP CONNECTION KIT | TE CONNECTIVITY | GELCAP1 |
| 11 | GEL CAP CONNECTION KIT | TE CONNECTIVITY | GELCAP2 |
| 12 | POWER CABLE BREAKOUT BOOT - HEAT SHRINK | TE CONNECTIVITY | TO SUIT (NOTE 7) |
| 13 | HAZARDOUS AREA TECK CABLE CONNECTOR | T&B | TO SUIT (NOTE 8) |

NOTES:

1. PROVIDE 300mm VERTICAL SEPARATION WHERE CABLE CROSSES IRRIGATION PIPE WITH CABLE POSITIONED ABOVE.
2. PROVIDE MINIMUM 300mm VERTICAL SEPARATION BETWEEN CABLES AND UNDERGROUND UTILITY SERVICE WITH CABLE POSITIONED BELOW. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITY SERVICES PRIOR TO INSTALLATION OF CABLES.
3. REFER TO GEOTECHNICAL DRAWING C05 FOR ADDITIONAL INFORMATION ON TRENCH AND DRAWING C02 FOR LOCATION OF ROAD CROSSING.
4. PUMP CABLE TO ENTER WELL CASING ABOVE THE DISCHARGE PIPE AND SHALL BE STRAPPED TO TOP OF DISCHARGE PIPE AT 2m INTERVALS TO KEEP PUMP CABLE IN POSITION ALONG THE PIPE FROM PUMP TO GRADE LEVEL.
5. TERMINATION COVER IS ONE PIECE POLYETHYLENE TO PROTECT CONDUCTOR CONNECTIONS BY PROVIDING AN AIR LOCK IF THE UTILITY VAULT FILLS OR IS SUBMERGED IN WATER. TERMINATION COVER SHALL REMAIN INTACT WITH NO PENETRATIONS AND CUT TO PROPER LENGTH BY MANUFACTURER.
6. PROVIDE WING NUT TO SUIT STUD TO ALLOW CHANNEL ABOVE TERMINATION COVER TO BE EASILY REMOVED.
7. BREAKOUT BOOT TO SUIT PUMP CABLE DIAMETER AND CONDUCTOR QUANTITY.
8. CABLE CONNECTOR TO SUIT CABLE SIZE AND SHALL BE FILLED WITH EPOXY TO PREVENT WATER FROM ENTERING CABLE.
9. ALL HARDWARE AND CHANNELS SHALL BE GALVANIZED STEEL.
10. PROVIDE A SEPARATE BORED HOLE FOR EACH CABLE, AND PROVIDE A POLYETHYLENE SLEEVE WITHIN EACH HOLE PRIOR TO PULLING IN CABLES. BORED HOLE AND SLEEVE SHALL BE SIZED TO SUIT THE CABLE DIAMETER.