

Main table with columns: SHEET NUMBER, NOTE No. ON PLANS, PIPE (CIRCULAR OR ELLIPTICAL, PIPE - ARCH), USE / INSTALLATION CRITERIA, ALTERNATE MATERIALS (ALUMINUM, ALUMINIZED OR GALVANIZED IRON AND STEEL), RIGID SPECIAL, APPURTENANCES (MANHOLES, INLETS), EXTENSION. Includes various checkmarks and callouts.

CHECK MARK: AC=Checkmark Cell Lib.=ODOT.CEL Or Use ODOT Menu/General/Miscellaneous

Pipe Data Sheet Title Is Already Located In PIPE_V8.DGN

TABLE TEXT: FT=24 TH=7.5 CO=4 TW=Var. WT=2 JUST=CC Text Width May Vary From Normal Standard To Fit In The Space Available

NOTE NUMBER TEXT: FT=2 TX=7.5 CO=4 WT=1 JUST=CC

SHEET NUMBER TEXT: FT=24 TX=7.5 CO=4 WT=2 JUST=CC

SHEET RANGE ARROWS: LC=0 CO=5 WT=1 TS=1 LT=Dimarrow Or ODOT Menu/General/Arrows

SEPARATION LINE: CO=4 WT=4

Other Sample Remarks Are: "Connect To Extg. Pipe", "Connect To Extg. Manhole", "Blind Connection To xx" Pipe" FT=24 TH=6.3 CO=4 TW=Var. WT=2 LS=2 JUST=CL

Alternate Materials Must Be Shown Unless Restricted By Design Criteria Or Local Agency Request

Select All Standard Drawings That Are Needed. Shown Only On The First Pipe Data Sheet.

Title Block (See Section 2.8, Volume 1)

GENERAL NOTES:

- 1. A check (✓) indicates column heading applies.
2. A new pipe culvert installation shall be of like material throughout.
3. Extension of existing metal culverts may be of unlike metal or corrugations. For connecting details, see Standard Drg. No. RD326.
4. Dimensions shown are nominal.
5. All pipes shall conform to the AASHTO specification applicable for the type of material and the diameter of the pipe involved.

FOOTNOTES:

- 1. Design height of cover is the critical design height used to select pipe materials. The height of cover for any given run of pipe may vary. Design height of cover shall be measured to finish grade.
2. Cross-sectional dimensions may vary with different materials. When galvanized iron or steel and aluminum are acceptable alternates use a separate line for each type of material.

- 3. Cross-sectional shape of pipe normal to longitudinal axis, prior to loading
A = Pipe - Arch
R = Round
E = Elliptical (5% nominal elongation)
4. Minimum allowable diameter for Class 1 nonreinforced concrete pipe is 15".
5. Abbreviations for protective coatings for metal pipe
A = Type A asphalt coated
C = Type C asphalt coated
D = Type D asphalt coated and fully lined
PM = Polymeric, 1/4" thkn. coated both sides
PO = Polyethylene inside lining, polymeric outside
U = Uncoated
CIM = Chevron industrial membrane
Ep = Epoxy coated
6. Abbreviations for existing pipe materials
AB = Asbestos cement
AI = Corrugated aluminum
Co = Concrete
PI = Plastic
St = Corrugated steel
X = Other material, see remarks column

- RD300 Trench Backfill, Bedding, Pipe Zone And Multiple Installations
RD302 Street Cut
RD304 Arch Pipe Backfill/Compaction
RD312 Subsurface Drain
RD314 Open Grade HMA Drainage Details
RD316 Sloped Ends For Metal Pipes
RD318 Sloped Ends For Concrete Pipe
RD320 Paved End Slope For Culverts 5'-0" Maximum Pipe Size
RD322 Safety End Section Metal Pipe
RD324 Safety End Section Concrete Pipe
RD326 Coupling Bands For Corrugated Metal Pipe
RD328 Slotted C.M.P. Drain Details
RD330 Metal Pipe Slope Anchors
RD336 Standard Storm Sewer Manhole
RD340 Storm Sewer Pollution Control Manhole
RD342 Shallow Manholes
RD344 Standard 48" Diameter Manhole Base Section
RD346 Large Precast Manhole Manhole With Inlet
RD348 Outside Drop Manholes
RD352 Manhole Covers And Frames
RD356 Manhole Slope Protectors
RD358 Manhole Frame Adjustment
RD360 Concrete Inlets Types G-1, G-2 & G-2M
RD364 Concrete Inlets Type CG-1, CG-2 And Curb Inlet Channel
RD366 Concrete Inlets Type ME, M-O, B And B-SL
RD368 Ditch Inlet Type D
RD370 Concrete Inlets Type CG-3
RD372 Area Drainage Basin Or Field Inlet
RD374 Miscellaneous Drainage Structures Siphon Box & Inlet Adj. Cap
RD380 Fill Height Table - Alum. & Steel Corrugated
RD382 Fill Height Table - Alum. & Steel Pipe Arch
RD384 Fill Height Table - Alum. & Steel Spiral Rib Pipe
RD386 Fill Height Table - Concrete Pipe

OREGON DEPARTMENT OF TRANSPORTATION ROADWAY ENGINEERING SECTION
OR214: WOODBURN-MT ANGEL PHASE 2 (SIDEWALKS)
HILLSBORO - SILVERTON HIGHWAY MARION COUNTY

PIPE DATA SHEET

SHEET NO. 2E