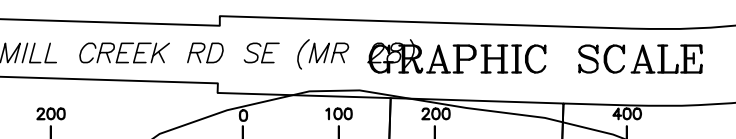


PIPE MATERIALS

- C - CONCRETE
- CB - BOX CULVERT
- CI - CAST IRON
- CM - CORRUGATED METAL PIPE
- DI - DUCTILE IRON
- HDPE - HIGH DENSITY POLYETHYLENE
- PVC - POLYVINYL CHLORIDE
- STL - STEEL
- VC - VITRIFIED CLAY

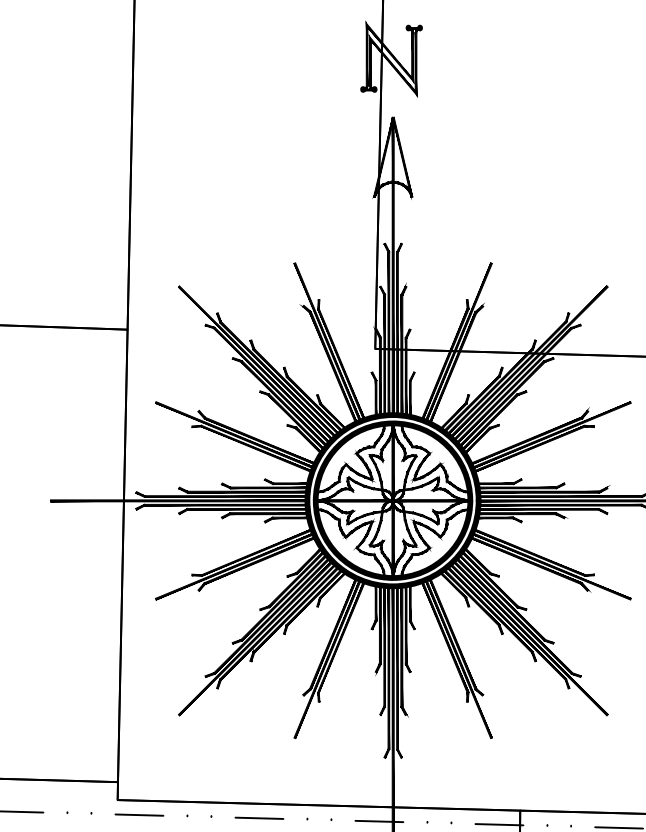
LEGEND

- S - STORM SEWER LINE
- P - PIPE MATERIAL
- D - PIPE DIAMETER
- M - STORM MANHOLE
- C - CATCH BASIN
- J - JUNCTION BOX
- P - PLUGGED END
- S - CONTINUOUS AS PRIVATE SYSTEM
- D - DRAINAGE FLOW DIRECTION
- DB - DETENTION BASIN
- DB - DRAINAGE BASIN BOUNDARY
- E - ELEVATION CONTOUR



NOTE: THESE MAPS ARE SCHEMATIC UTILITY MAPS ONLY & DO NOT SHOW EXACT LOCATIONS OF UTILITIES. FIELD VERIFY ALL LOCATIONS PRIOR TO DESIGN OR CONSTRUCTION.

TOWNSHIP 8 SOUTH, RANGE 1&2 WEST, W.M.



SCALE	HORIZ.	VERT.	DATE
AS SHOWN	AS SHOWN	AS SHOWN	APR 2015

MAP UPDATED: 10-16-2015
 FULL SIZE DRAWING = 36"x48"
 (smaller drawing sizes are not to scale)

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CITY OF ASTORIA, OREGON

FUTURE STORM DRAINAGE SYSTEM MAP
 (NOT ALL MAINLINES SHOWN)
 (ENTIRE CITY)

SHEET 1 OF 1
 JOB NUMBER 2599.1100.0