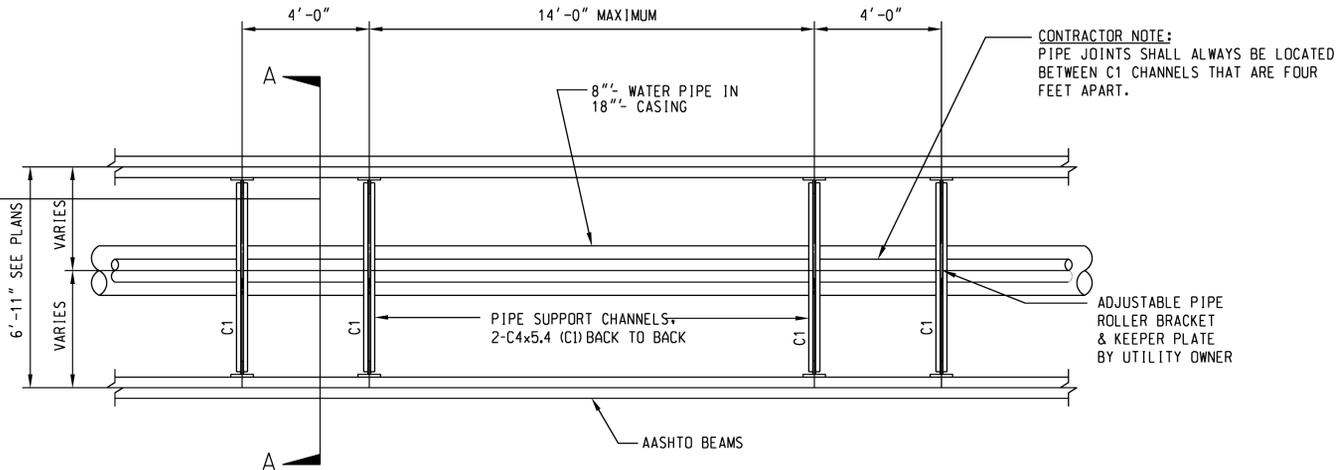
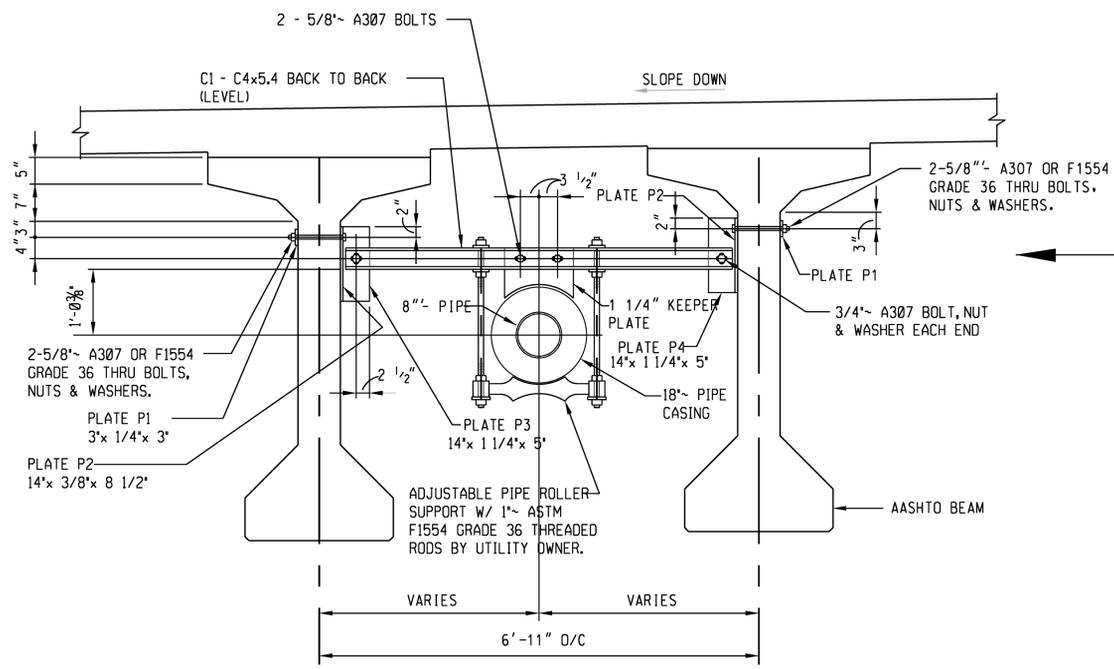


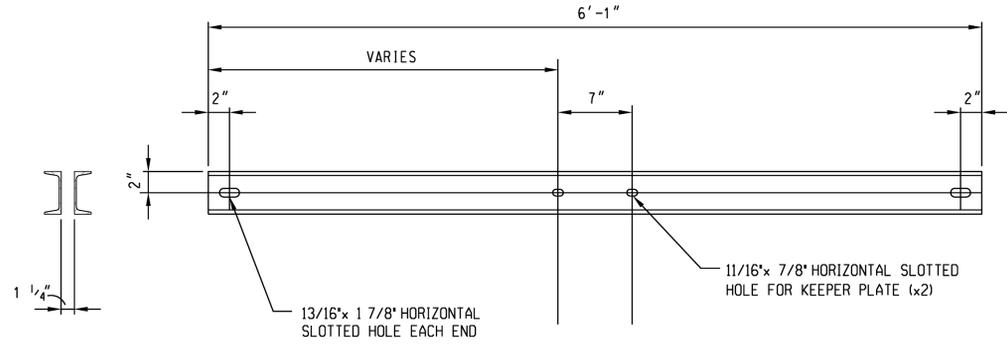
DATE***	TIME***	*PRF*	*SGN*	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER	**PENTABLE**			GA		830	995



TYPICAL PIPE SUPPORT PLAN

NOTES:

1. Steel channels and plates shall conform to ASTM A 36.
2. Bolts connecting steel plates or channels to other steel plates or channels shall conform to ASTM A 307.
3. Bolts connecting steel plates to concrete members shall conform to ASTM A 307 or ASTM F 1554, grade 36 threaded rods.
4. All bolts shall have washers on each end, unless noted otherwise, and hex nuts. Washers for bolts in slotted holes connecting steel to steel members shall be large enough to completely cover the full length of the slotted hole.
5. Bolts for all connections shall be tightened to the 'snug tight' condition as specified in the Specification for Structural Steel Buildings dated June 22, 2010.
6. Welding shall conform to American Welding Society standard AWS D1.1. Electrodes for shop and field use shall be class E70xx, low hydrogen. Slag shall be removed from all welds in accordance with AWS D1.1. Welding thru galvanized coatings is prohibited, prior to welding galvanized base metal; remove galvanizing from base metal in the area to be welded. When the weld is finished remove slag and thoroughly clean the weld area with a wire brush wheel on a grinder to a clean metal finish and then thoroughly coat the area with 2 coats of a zinc-rich galvanizing spray paint that meets the requirements of ASTM A 780.
7. All structural steel members including plates, welded assemblies, channels, bolts, nuts, washers, rods shall be galvanized in accordance with ASTM A 123 or ASTM A 153 as applicable.
8. The maximum span length of the 8-inch diameter water line shall be 14-feet. All pipe joints shall be located between support channels that are spaced 4-feet apart. See 'Typical Pipe Support Plan' as indicated.



C1
2-C4x5.4 (GALVANIZED)

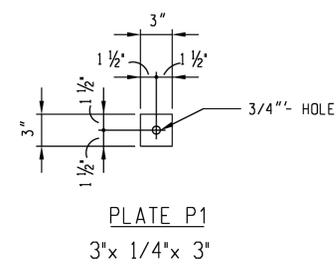


PLATE P1
3"x 1/4"x 3"

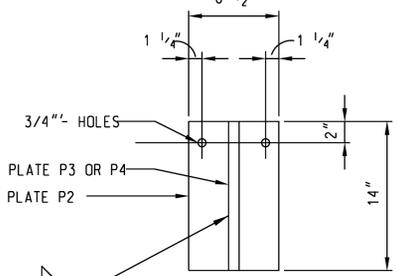


PLATE P2
8 1/2"x 3/8"x 14"

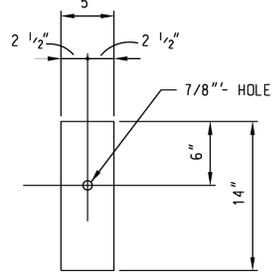


PLATE P3
5"x 1 1/4"x 14"

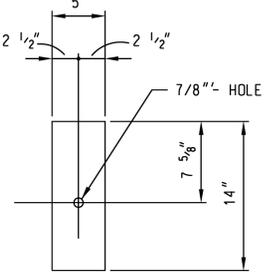
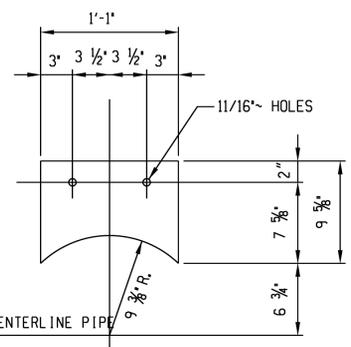


PLATE P4
5"x 1 1/4"x 14"



1 1/4" GALVANIZED KEEPER PLATE
BY UTILITY OWNER



SCALE: AS NOTED

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROAD DESIGN

WATER MAIN BRIDGE DETAIL

I-285 AT SR 155/FLAT SHOALS

DRAWING No.
44-009