WATERLINE TIE INTO EXIST

ON ROUTE 419 -

<u>DATUM ELEV</u> 1090.00

0+00

0+50

2+50

2+00

WATER LINE PROFILE

1+50

SCALE: HORZ: 1" = 50' VERT: 1" = 10'

1+00

3+00

MINIMUM LIMITS OF COMPACTED SELECT GRANULAR SEE NOTE #5 CRITICAL BACKFILL ZONE, PROPER COMPACTION MUST BE ACHIEVED INITIAL LIFTS OVER CROWN OF STRUCTURE AS INDICATED BY SHADED AREA TO BE COMPACTED TO REQUIRED DENSITY WITH HAND OPERATED EQUIPMENT OR WITH SMALL TRACTOR (D-4 DR SMALLER) DRAWN EQUIPMENT. SELECT GRANULAR STRUCTURAL BACKFILL LIMITS. 1. ALL SELECT GRANULAR BACKFILL TO BE PLACED IN A BALANCED FASHION IN THIN LIFTS (6"-8" LODSE TYPICALLY) AND COMPACTED TO 90 PERCENT DENSITY PER AASHTO T-180. 2. COMPLETE AND REGULAR MONITORING OF THE CSP SHAPE IS NECESSARY DURING ALL 3. PREVENT EXCESSIVE DISTORTION OF SHAPE AS NECESSARY BY VARYING COMPACTION METHODS #HIS WIDTH SHOULD BE EQUAL TO 1/2 DIA, TO ONE DIA, WIDTH TYPICALLY, GREATER DISTANCE MAY BE REQUIRED. DISTANCE DEPENDS ON BEARING LOAD FOR ANY GIVEN STRUCTURE SHAPE AND BACKFILL MATERIAL. THIS MUST BE EVALUATED BY THE SEDDING ZONE SHOULD BE FREE OF DEBRIS. PLACE BEDDING MATERIAL AT MIN. THICKNESS EQUAL TO TWICE THE CORRUGATION DEPTH. EMBANKMENT WIDTH H TO BE SUCH THAT A STABLE EMBANKMENT CAPABLE OF RESISTING SIDE PRESSURES FROM CSP PIPE-ARCH SHAPE WILL BE MAINTAINED THROUGHOUT THE LIFE OF INSTALLATION. THIS WIDTH TO BE DETERMINED BY THE PROJECT ENGINEER. CORRUGATED METAL PIPE TYPICAL BACKFILL SECTION

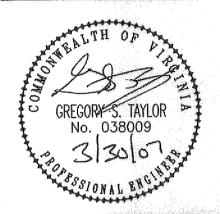
XX

BE MINIMUM 4' DEEP TO TOP OF PIPE.

ENGINEERS & SURVEYORS & PLANNERS & LANDSCAPE ARCHITECTS

816 Boulevard Salem, Virginia 24153 Phone: 540-387-1153 Fax: 540-389-5767 www.parkerdg.com

These documents are the property of Parker Design Group(PDG) and may not be reproduced or used without the express permission of PDG. Any reuse of these documents without authorization of PDG will be at the sole risk of the individual or entity utilizing said



elopm ate (1)

REVISIONS:

County & VDOT Comment Revision

DESIGNED BY: DRAWN BY:

CHECKED BY: AS NOTED

April 7, 2006 DATE:

SHEET TITLE:

Miscellaneous Details & **Waterline Profile**

59 OF 60 PROJECT NUMBER: S05047-03

ZAPPROVED