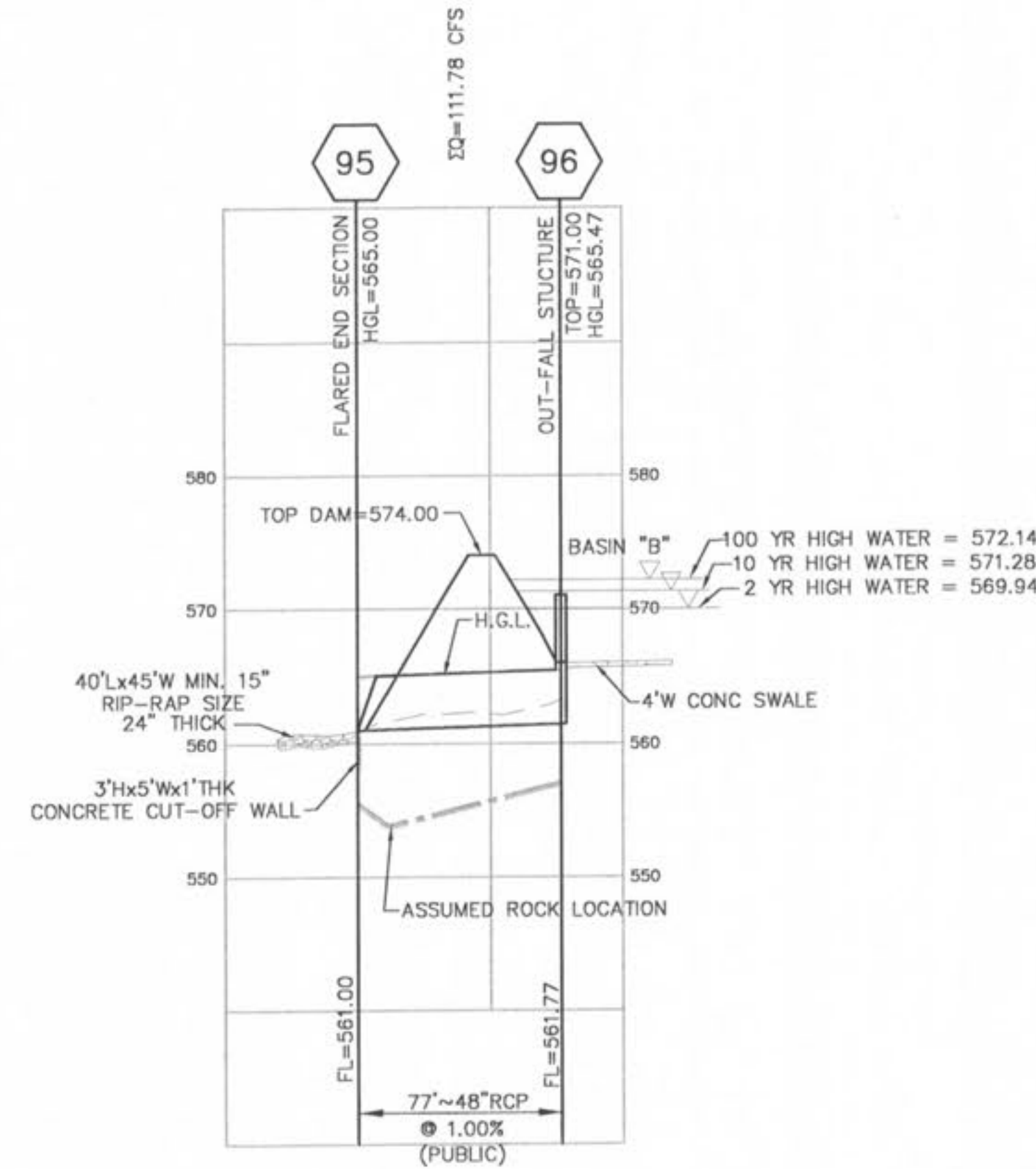


USER: M:\C91 TAB: C91  
 DATE: Oct 23, 2007 12:07pm  
 DRAWING: S:\V055\Jobs\2007\07-0041\C07-0041.dwg IMPROVEMENT PLANS PHASE 2A\_IPLAN\_C91 STORM PROFILES.dwg



NOTE: CONCRETE PIPE JOINTS SHALL BE MSD TYPE "A" APPROVED COMPRESSION-TYPE JOINTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE, USING FLEXIBLE, WATERTIGHT, RUBBER-TYPE GASKETS ASTM C443. BAND-TYPE GASKETS DEPENDING ENTIRELY ON CEMENT FOR ADHESION AND RESISTANCE TO DISPLACEMENT DURING JOINTING SHALL NOT BE USED.

ALL STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE, CLASS II MINIMUM. ANY CONCRETE PIPE, CONDUIT, OR CULVERT BENEATH A STREET RIGHT-OF-WAY OR WITH REASONABLE PROBABILITY OF BEING SO LOCATED SHALL BE A MINIMUM OF CLASS III, BUT ALSO SHALL ACCOUNT FOR ALL VERTICAL LOADS. IN NO CASE SHALL THE DESIGN PROVIDE FOR LESS THAN HS-20 LOADING PER AASHTO. FOR OTHER LOCATIONS, THE MINIMUM DESIGN LIVE LOAD SHALL BE THE HS-10 LOADING.

STORM SEWER PIPES WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE CRADLED IN CONCRETE THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED WITH GRANULAR FILL TO THE BOTTOM OF THE CONCRETE CRADLE.

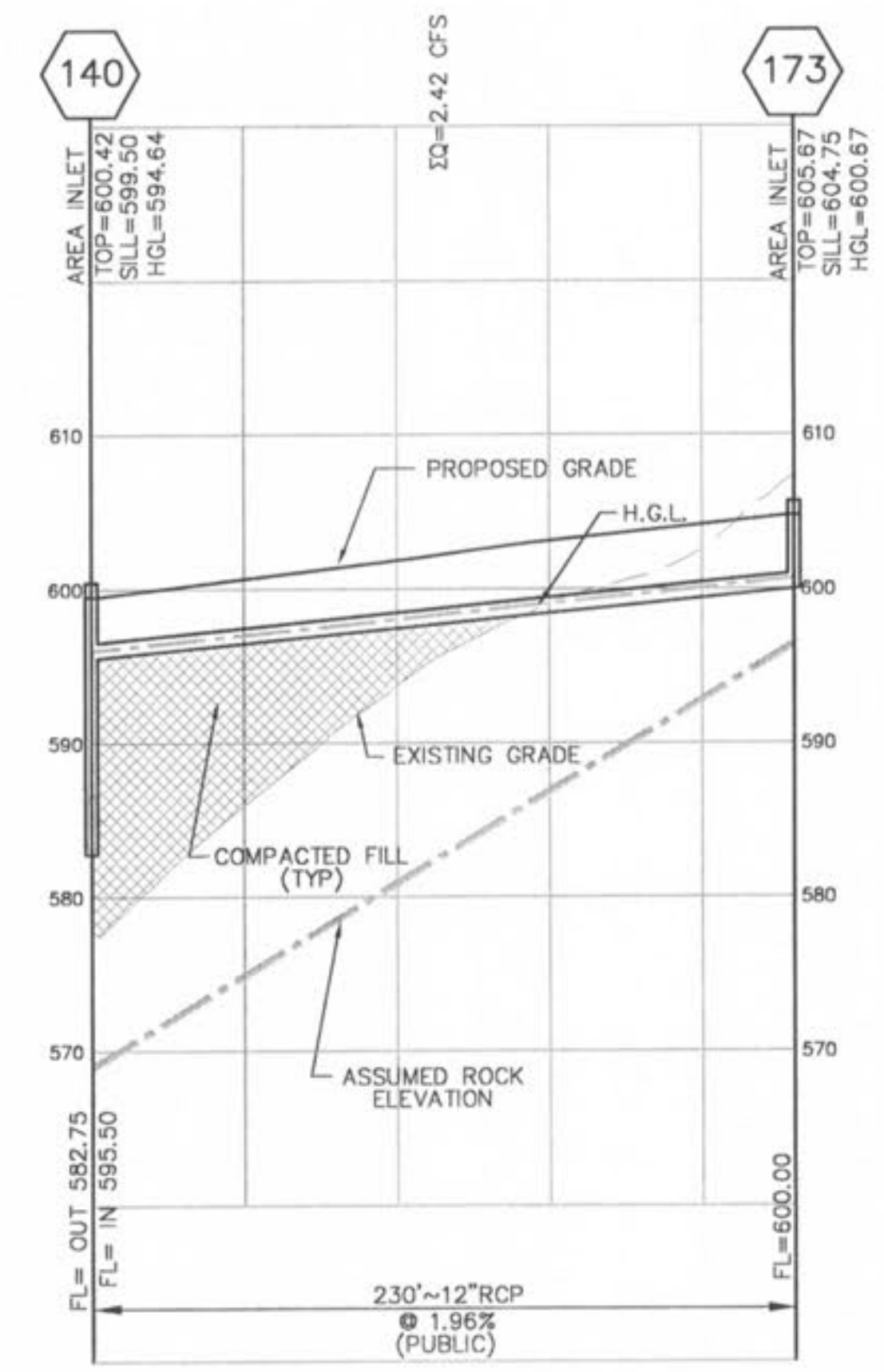
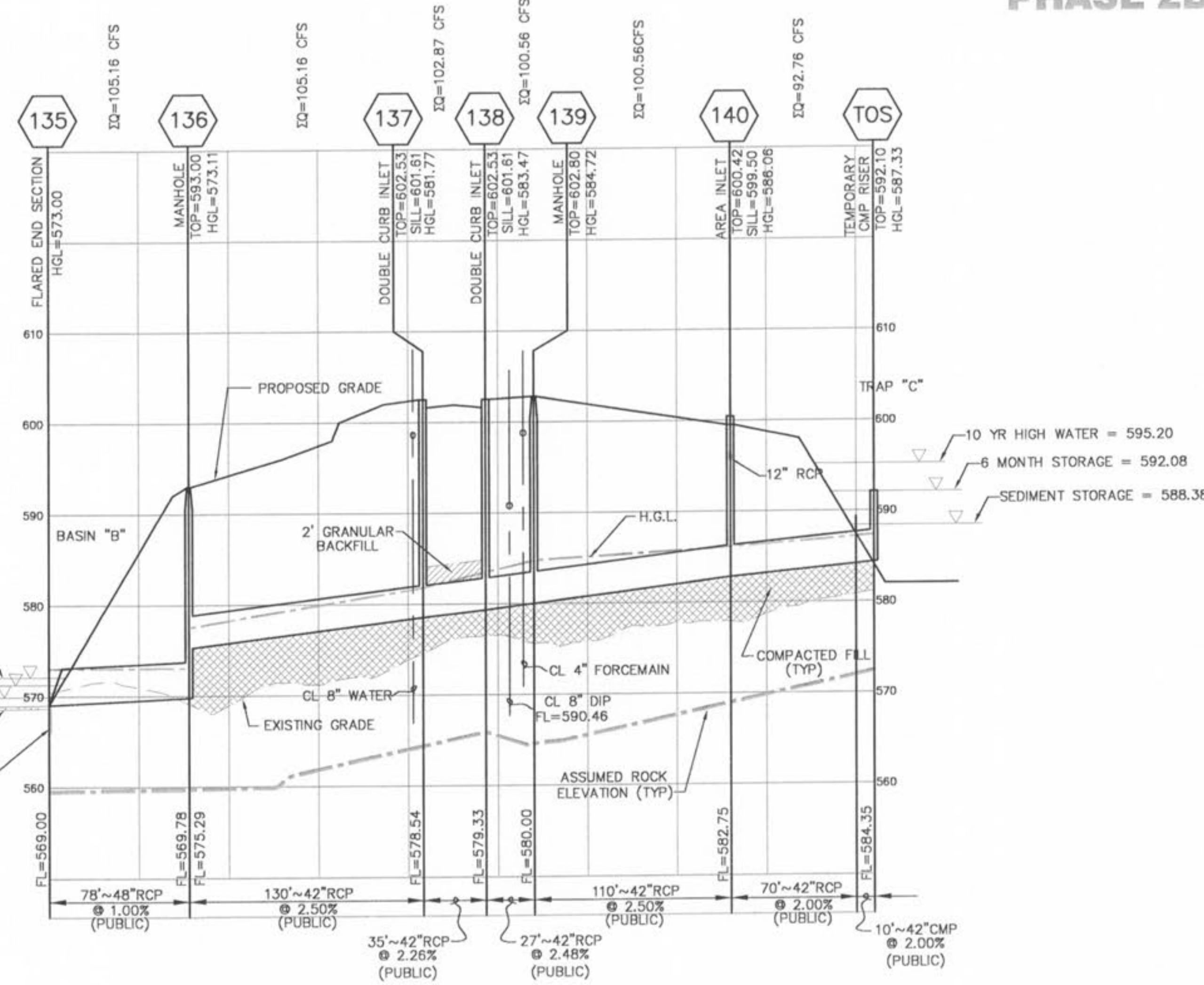
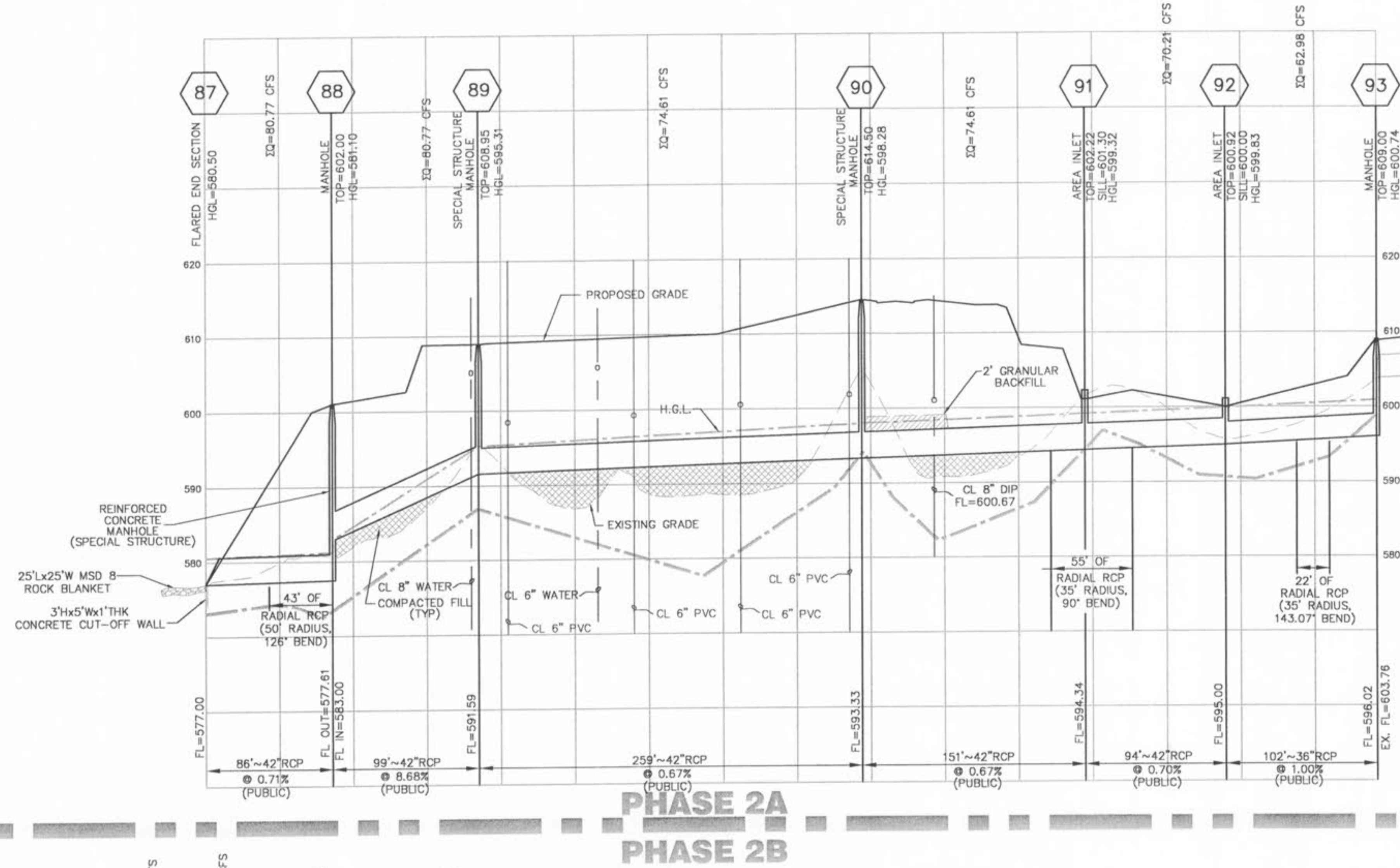
IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH OR OVER-DIG, THE UPPER PIPE SHALL BE PLACED ON A SHELF AND THE LOWER PIPE SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOWLINE OF THE UPPER PIPE.

BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES

ALL CONCRETE PIPES WILL BE INSTALLED WITH O-RING RUBBER TYPE GASKETS

CONNECTIONS AT ALL STORM SEWER STRUCTURES TO BE MADE WITH A-LOK JOINT OR EQUAL.

**PHASE 2B**  
**PHASE 2A**



SCALE:  
 1" = 50' HORIZ.  
 1" = 10' VERT.

DATE	REVISIONS
8/24/07	OWNER/PS&S/DUCKETT CREEK
9/14/07	OWNER COMMENTS
10/12/07	CITY OF FALLON COMMENTS
10/19/07	CITY OF FALLON COMMENTS
10/23/07	CITY OF FALLON COMMENTS

DEVELOPER/OWNER:  
**THE JONES COMPANY HOMES, L.L.C.**  
 16640 CHESTERFIELD GROVE, SUITE 200  
 CHESTERFIELD, MO 63005  
 PHONE: (636) 537-7192



**PRESTON WOODS - PHASE II**  
 IMPROVEMENT PLANS  
 PRESTON WOODS LANE  
 O'FALLON, MO. 63366  
**STORM DESIGNED UNDER MASS GRADING**

planning • engineering • surveying • landscape architecture  
**Cole and Associates**  
 INCORPORATED  
 10777 sunset office dr.  
 saint louis, missouri 63127  
 p. 314.984.9887 f. 314.984.0587

DESIGNED BY: JKW  
 DRAWN BY: KDK  
 CHECKED BY: JFH  
 DATE: 6/14/07  
 Job Number: 07-0041  
 Sheet Number: C9.1