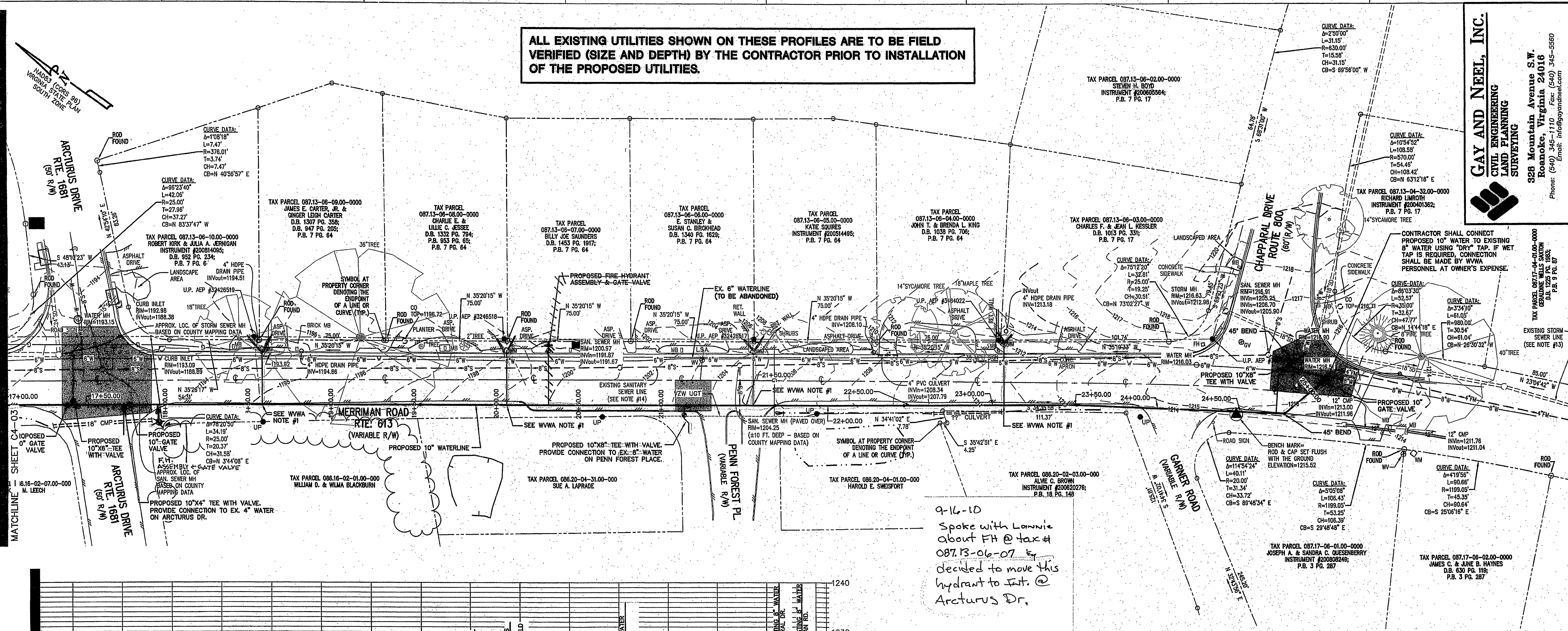
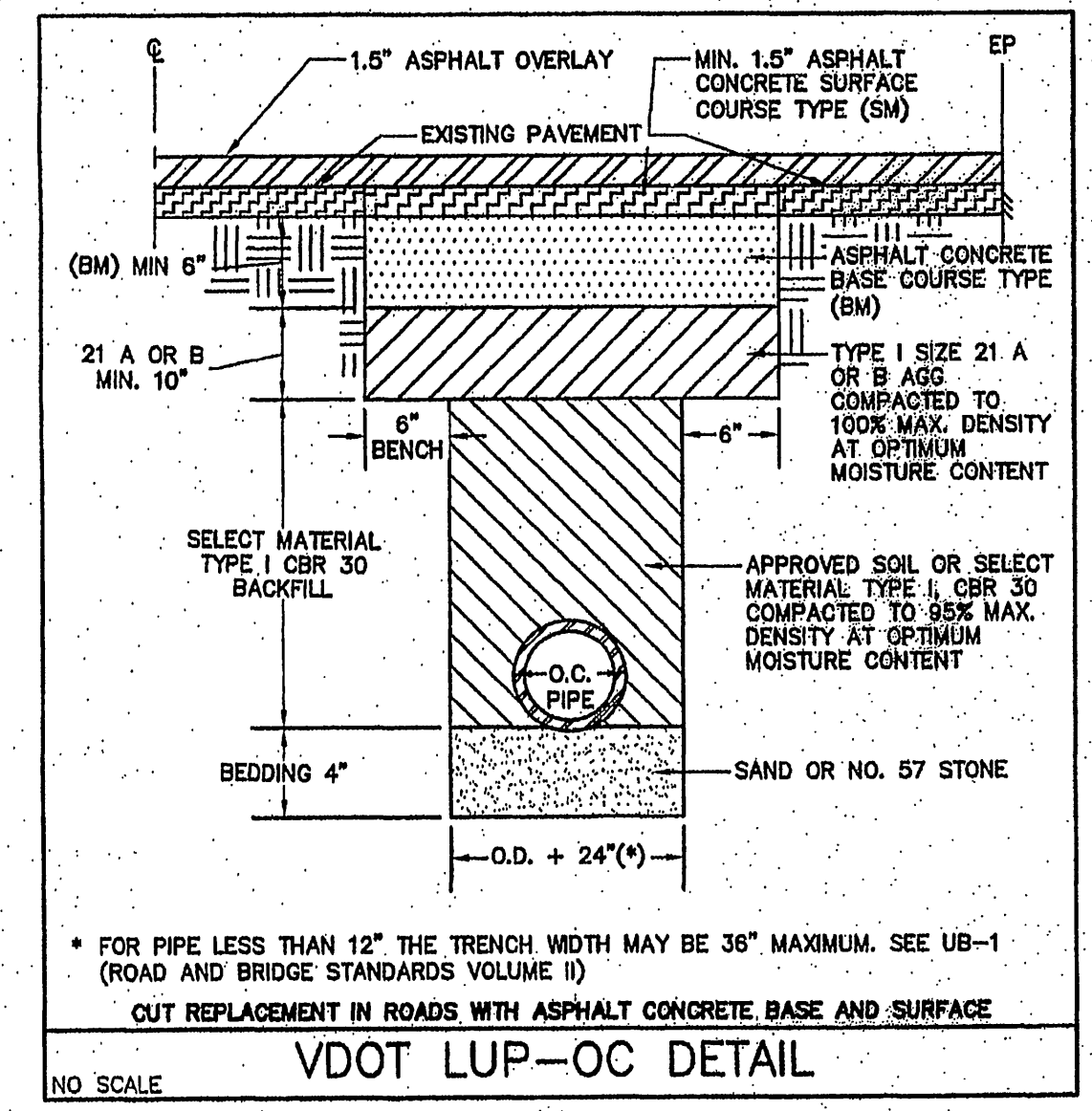
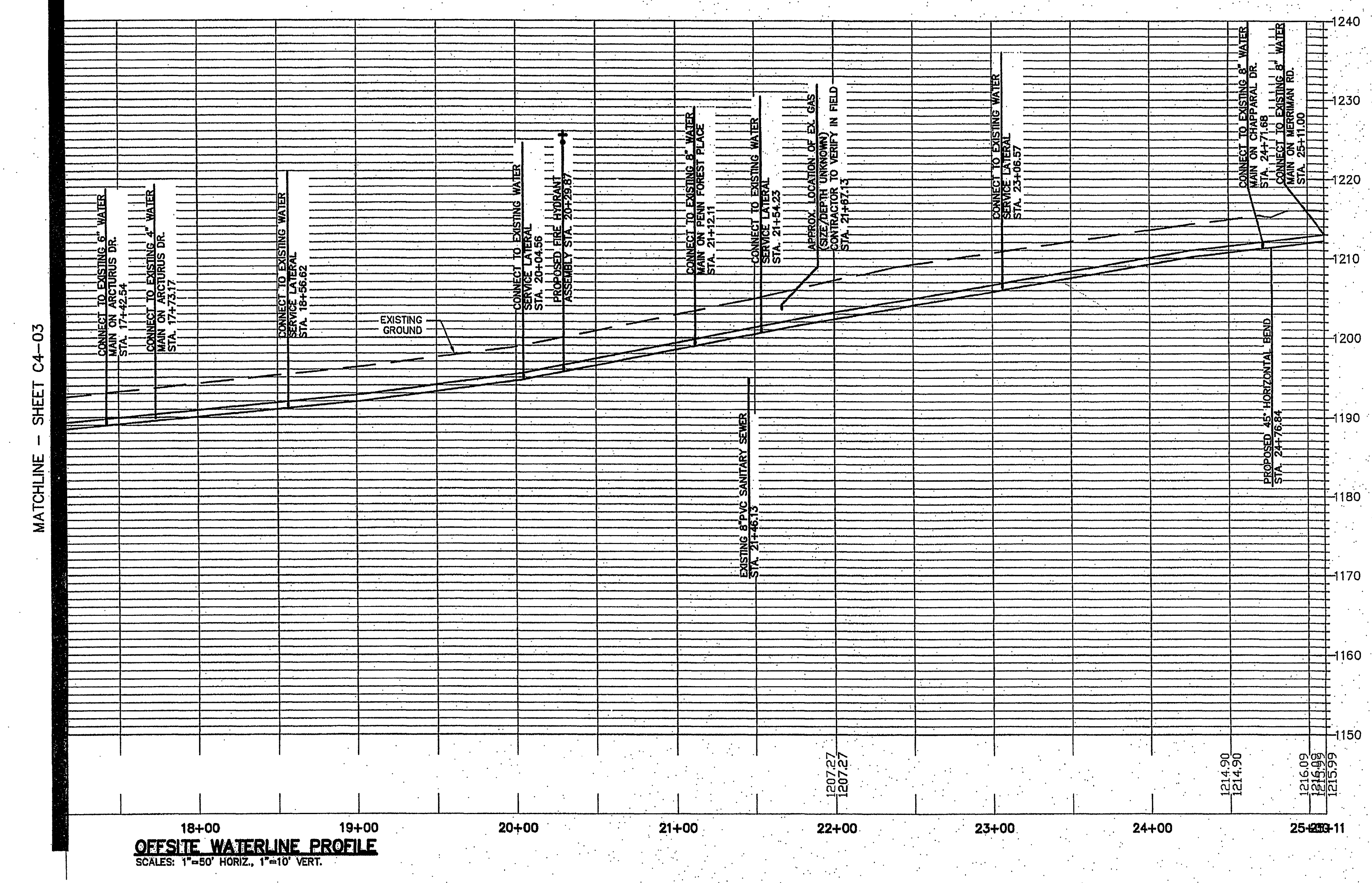


ALL EXISTING UTILITIES SHOWN ON THESE PROFILES ARE TO BE FIELD VERIFIED (SIZE AND DEPTH) BY THE CONTRACTOR PRIOR TO INSTALLATION OF THE PROPOSED UTILITIES.



9-16-10  
Spoke with Lannie  
about FH @ tax #  
087.13-06-07 &  
decided to move this  
hydrant to Int. @  
Arcturus Dr.



- WATER LINE IN RIGHT OF WAY NOTES:**
1. ALL WORK FOR INSTALLATION OF WATER LINE WITHIN THE RIGHT OF WAY SHALL BE PERFORMED IN CONFORMANCE WITH THE MOST CURRENT VDOT REGULATIONS; SPECIFICALLY WITH REGARD TO OPEN CUTS, WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE LAND USE PERMIT SPECIAL PROVISIONS FOR PAVEMENT OPEN CUTS (LUP-OC).
  2. ALL WORK FOR INSTALLATION OF WATER LINE WITHIN THE CENTER OF A TRAVEL LANE SHALL HAVE THE PAVEMENT REPLACED IN ACCORDANCE WITH VDOT'S LUP-OC DETAIL SHOWN ON THIS PLAN SHEET, SPECIFICALLY THE ENTIRE TRAVEL LANE FROM THE EDGE OF PAVEMENT TO THE CENTERLINE OF THE ROADWAY SHALL BE OVERLAPED UPON PATCHING THE INITIAL UTILITY TRENCH.
  3. ALL WORK FOR INSTALLATION OF WATERLINE ALONG THE SHOULDER SHALL HAVE THE PAVEMENT REPLACED IN ACCORDANCE WITH THE STANDARD PAVEMENT CUT/REPLACEMENT DETAIL (GE-16) SHOWN ON SHEET G2-03.
  4. WATER LINES RUNNING WITHIN THE PAVEMENT AND IN THE SAME DIRECTION AS THE ROADWAY TRAVEL LANES, AS WELL AS CONNECTIONS WITHIN THE PAVEMENT TO OTHER WATER LINES, MAY BE OPEN CUT; ALL OTHER WATER LINES RUNNING ACROSS THE TRAVEL LANES TO SERVE METERS, FIRE HYDRANTS, OR OTHER APPRATUS SHALL BE DIRECTIONALLY BORED/JACKED.
  5. ALL OPEN CUTS SHALL BE BACKFILLED AND COMPACTED IN KEEPING WITH THE "VDOT LUP-OC DETAIL" INCLUDED HEREIN; UNLESS SPECIFICALLY DETAILED, ALL TRENCH PATCHING SHALL BE OVERLAPED, AS SHOWN IN THE DETAIL FROM THE ROADWAY CENTERLINE TO THE EDGE OF PAVEMENT. PLEASE SEE INTERSECTION PATCHING DETAILS FOR ADDITIONAL INFORMATION AT KEY OPEN CUTS AS TO HOW THE PATCHING SHALL BE OVERLAPED.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF, COORDINATING APPROVAL OF, AND IMPLEMENTATION OF A DETAILED MAINTENANCE OF TRAFFIC PLAN ACCEPTABLE TO VDOT. MAINTENANCE OF TRAFFIC PLAN SHALL ALSO ADDRESS SEQUENCE OF CONSTRUCTION.
  7. CONTRACTOR SHALL COORDINATE WITH VDOT REGARDING ANY WATER LINE WORK WITHIN THE RIGHT OF WAY SO AS TO ARRANGE A TIME THAT IS LEAST INTERRUPTIVE TO TRAFFIC PATTERNS, INCLUDING SCHEDULING THE MAJORITY OF SUCH WORK TO OCCUR IN THE SUMMER MONTHS.
  8. ALL LATERAL LINES SERVICE METERS OR HYDRANTS ARE TO BE DIRECTIONAL BORED UNLESS OTHERWISE STATED ON THE PLANS.
  9. CONTRACTOR SHALL OVERLAY PAVEMENT PATCHES AT KEY WATERLINE CONNECTION POINTS GENERALLY AS INDICATED BY THE SHADING ON THESE SHEETS. COORDINATE FINAL PLAN WITH VDOT.
- WVVA WATERLINE NOTES:**
1. ALL EXISTING WATER SERVICES ARE TO BE CONNECTED TO THE NEW 10-INCH WATERLINE AND THE ENTIRE WATER SERVICE IS TO BE REPLACED.
  2. THE ABANDONMENT OF THE EXISTING 8-INCH WATERLINE AND THE CONNECTION OF ANY EXISTING MAINS TO THE NEW 10-INCH WATERLINE, ARE TO BE COORDINATED WITH THE WVVA TO MINIMIZE SERVICE DISRUPTION.

APPROVED

**GAY AND NEEL, INC.**  
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| # | DATE       | BY  | REVISION           |
|---|------------|-----|--------------------|
| 1 | 07/10/2009 | MPT | Final Review       |
| 2 | 07/28/2009 | MPT | VDOT & WVVA Review |

| DATE         | PROJECT | DESIGNED | DRAWN | CHECKED |
|--------------|---------|----------|-------|---------|
| MAY 31, 2009 | 084624  | MPT      | MPT   | RCM/TWK |

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**TREVOR M. KIMZEY**  
Lic. No. 036345  
07/28/09  
PROFESSIONAL ENGINEER

PROJECT CAVE SPRING ELEMENTARY SCHOOL 2009 RENOVATIONS & ADDITIONS  
ROANOKE COUNTY PUBLIC SCHOOLS  
544 SPRINGLAKE AVE  
ROANOKE, VA  
DRAWING OFF-SITE WATERLINE IMPROVEMENTS - STA. 17+00 TO STA. 25+04

GNI JUN 2052.0  
SHEET

C4-04