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1. THE "OWNER" IS THE WESTERN VIRGINIA WATER AUTHORITY (AUTHORITY OR WVWA), THE TERMS "OWNER" AND "AUTHORITY" ARE USED INTERCHANGEABLY IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL NOTIFY THE WVWA CONSTRUCTION INSPECTION COORDINATOR, BRIAN WHITENACK, AT 540-400-4079 AT LEAST FIVE BUSINESS (5) DAYS PRIOR TO CONSTRUCTION.
3. THE WVWA WILL SCHEDULE A PRE-CONSTRUCTION CONFERENCE AT LEAST FIVE BUSINESS (5) DAYS PRIOR TO ANY CONSTRUCTION.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SAFETY AND FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL HEALTH AND SAFETY CODES, LAWS, REGULATIONS, AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
5. THE CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING WORK AND SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
6. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THEIR EXACT LOCATION. CONTRACTOR SHALL LOCATE ALL UTILITIES AND DETERMINE ALL INVERT ELEVATIONS PRIOR TO CONSTRUCTION TO ALLOW FOR ADJUSTMENTS DUE TO CONFLICTS WITH OTHER UTILITIES. THE CONTRACTOR SHALL COMPLY WITH THE VIRGINIA STATE WATERWORKS REGULATIONS, SECTION 12VAC5-590-1150, AND THE VIRGINIA STATE SEWAGE COLLECTION AND TREATMENT (SCAT) REGULATIONS WHERE LINES CROSS.
7. THE CONTRACTOR SHALL HAVE A VALID MISS UTILITY TICKET PRIOR TO EXCAVATION. CONTACT MISS UTILITY AT 1-800-552-7001.
8. PRIOR TO CONSTRUCTION, ALL APPLICABLE PERMIT(S) FROM THE GOVERNING JURISDICTIONS AND/OR AGENCIES MUST BE OBTAINED AND A COPY KEPT ON THE PROJECT SITE. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES OF SUCH, PRIOR TO COMMENCING WORK.
9. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM THE CITY OF ROANOKE, ROANOKE COUNTY, BOTETOURT COUNTY, FRANKLIN COUNTY AND/OR VDOT.
10. ALL WORK SHALL BE CONTAINED WITHIN THE EXISTING RIGHT OF WAY AND/OR PROPOSED OR EXISTING EASEMENTS.
11. CONTRACTOR SHALL PROVIDE ANY SHORING REQUIRED TO PROTECT PERSONNEL AND EXISTING FACILITIES DURING EXCAVATION FOR INSTALLATION OF PROPOSED STRUCTURES AND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING DESIGN. DESIGN SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE COMMONWEALTH OF VIRGINIA WHEN REQUIRED BY REGULATIONS. ALL ANTICIPATED COSTS FOR SHORING AND DESIGN SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
12. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS AVAILABLE AT WWW.WESTERNVAVATER.ORG OR BY CONTACTING THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) AT 540-853-5700. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY STANDARDS (E.G., VDOT, DEQ, DCR, VDH, ETC.) WHERE APPLICABLE.
13. FOR PROJECTS REQUIRING TRAFFIC CONTROL IN THE CITY OF ROANOKE, NOTIFY MANAGER OF TRANSPORTATION, DWAYNE D'ARDENNE, AT 540-853-2676 AT LEAST TWO WEEKS IN ADVANCE OF REQUIRING TRAFFIC CONTROL. FOR A LANE CLOSURE PERMIT IN THE CITY OF ROANOKE, CONTACT THE TRAFFIC ENGINEER, HONG LIU, AT 540-853-2686. IN ROANOKE, BOTETOURT OR FRANKLIN COUNTIES, TRAFFIC CONTROL REQUIREMENTS ARE APPROVED BY VDOT. PLEASE CONTACT THE LOCAL VDOT OFFICE FOR ADDITIONAL REQUIREMENTS. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE MOST RECENT MUTCD MANUAL AND THE VDOT WORK AREA PROTECTION MANUAL UNLESS OTHERWISE SPECIFIED BY THE CITY.
14. AN APPROVED SIGNED SET OF CONSTRUCTION PLANS AND PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
15. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT.
16. THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER SHALL BE RESPONSIBLE TO IMPLEMENT ALL EROSION & SEDIMENT CONTROLS REQUIRED. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WESTERN VIRGINIA WATER AUTHORITY'S GENERAL EROSION AND SEDIMENT CONTROL ANNUAL STANDARDS AND SPECIFICATIONS AND THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND SHALL BE INSTALLED PRIOR TO CONSTRUCTION. THE WVWA MAY REQUIRE CHANGES TO AN APPROVED PLAN IN THE FOLLOWING CASES WHERE INSPECTION HAS REVEALED THAT THE PLAN IS INADEQUATE TO SATISFY APPLICABLE REGULATIONS. CONTRACTOR SHALL PROVIDE A COPY OF THE CONTRACTOR'S DESIGNATED CERTIFIED VIRGINIA RESPONSIBLE LAND DISTURBER (RLD) CERTIFICATE TO THE OWNER PRIOR TO CONSTRUCTION.
17. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING ALL VEHICLES AND EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE STREETS ARE KEPT IN A CLEAN, MUD- AND DUST-FREE CONDITION AT ALL TIMES.
18. FIELD CHANGES SHALL BE APPROVED BY THE WVWA'S CONSTRUCTION MANAGER PRIOR TO SUCH CONSTRUCTION. NO ADDITIONAL PAYMENTS SHALL BE MADE TO CONTRACTOR FOR WORK PERFORMED WITHOUT PRIOR APPROVAL FROM WVWA'S CONSTRUCTION MANAGER
19. THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE ACCESS TO ALL PROPERTIES DURING CONSTRUCTION AND SHALL MAINTAIN SAFE ACCESSIBILITY TO FIRE HYDRANTS AT ALL TIMES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE RIMS SHALL BE INSTALLED TO GRADE AND FLUSH WITH THE FINAL PAVEMENT.
21. UNREPAIRED ROADWAYS OPENED TO TRAFFIC SHALL HAVE, AT A MINIMUM, COMPACTED AGGREGATE MATERIAL VDOT 21A OR 21B FULSH WITH THE ADJACENT ROADWAY SURFACE AND SHALL BE INSPECTED AND REPAIRED ON A DAILY BASIS.
22. THE CONTRACTOR SHALL NOT EXCAVATE MORE TRENCH LENGTH THAN CAN BE RESTORED WITHIN THE SAME WORK DAY. ALL TRENCHES SHALL BE BACKFILLED OR PLATED AT THE END OF EACH WORK DAY OR WHEN THE CONTRACTOR IS NOT ON SITE.
23. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS AND SITE ROADWAYS, DITCHES, DRAINAGE STRUCTURES AND OTHER EXISTING FEATURES TO THEIR ORIGINAL CONDITION OR TO A CONDITION SATISFACTORY TO THE CONSTRUCTION MANAGER
24. THE CONTRACTOR SHALL SUPPLY THE WVWA WITH RECORD DRAWING(S) (AS-BUILTS) BEFORE SUBSTANTIAL COMPLETION WILL BE GRANTED. CONTRACTOR SHALL RECORD VERTICAL AS-BUILT DATA TO INCLUDE DEPTH OF WATER MAIN, WATER MAIN FEATURES & ALL UTILITY CROSSINGS. SEE THE WVWA AS-BUILT DRAWINGS BY CONTRACTOR/DEVELOPER FOR WVWA
25. HORIZONTAL & VERTICAL BENDS SHOWN IN THE PLAN ARE APPROXIMATE. CONTRACTOR TO BE AWARE THAT ALL HORIZONTAL AND/OR VERTICAL BEND FITTINGS MAY NOT BE SHOWN IN THE PLANS.
26. ANY PROJECTS WITHIN VDOT JURISDICTION WILL REQUIRE COMPACTION TESTS EVERY 500 LINEAR FEET WHERE PAVEMENT (ROADWAY) IS CUT AND REPLACED.

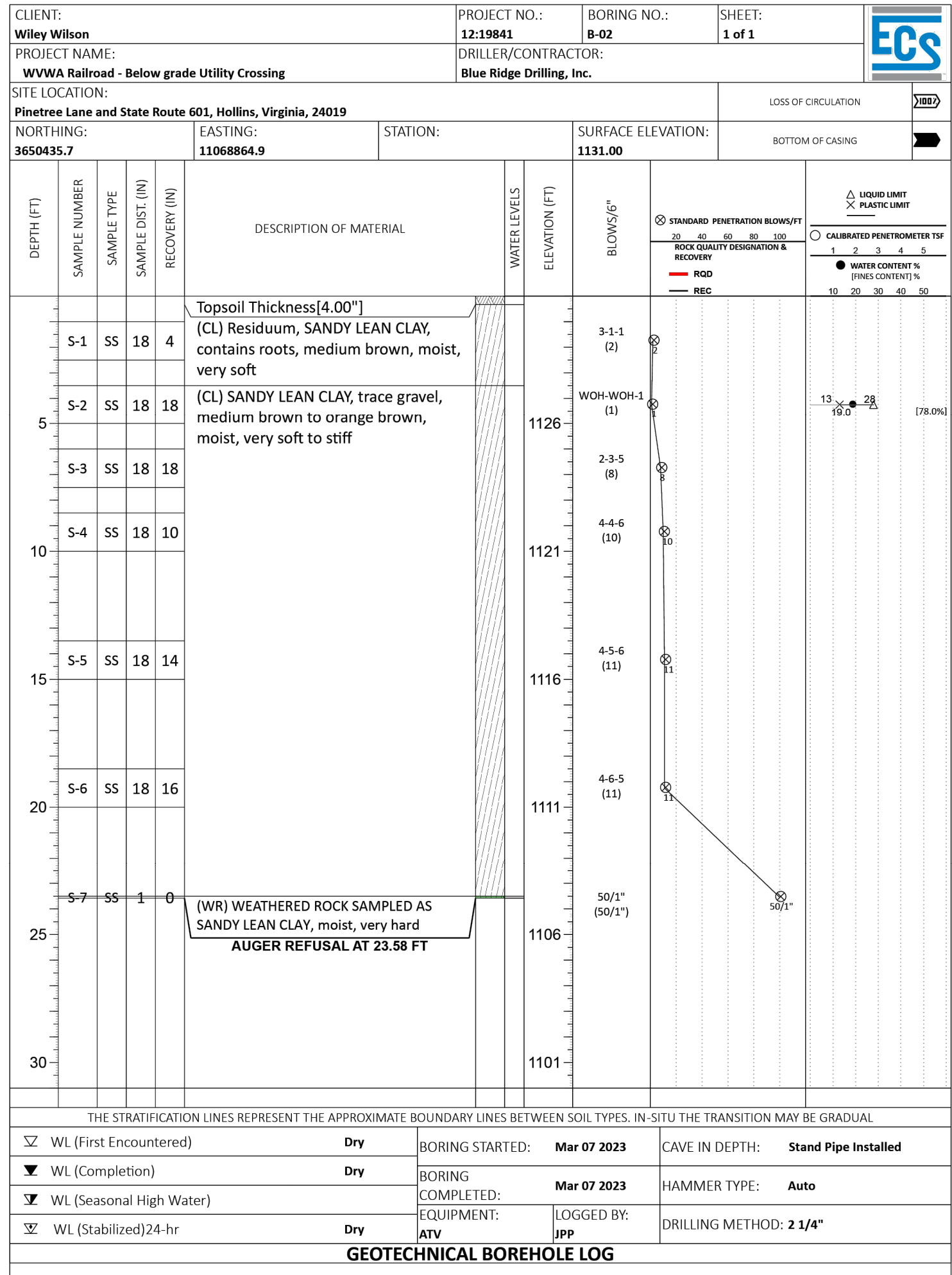
1. SEE SHEETS CS101 FOR LOCATION OF EASEMENTS, INCLUDING:
- TWO (2) VARIABLE WIDTH TEMPORARY EASEMENT
 - ONE (1) 20' WIDTH TEMPORARY EASEMENT
 - THREE (3) 20' WIDE PERMANENT EASEMENT

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I. PROJECT DESCRIPTION THIS PROJECT INVOLVES THE INSTALLATION OF A NEW 12" PVC SEWER LINE ALONG BEAUMONT ROAD AND THE INSTALLATION OF A 12" SANITARY SEWER LINE ADJACENT TO AND CROSSING UNDER THE NORFOLK SOUTHERN RAILROAD. RAILROAD CROSSING WILL BE ACHIEVED THROUGH DIRECTIONAL BORING METHODS. THE PROJECT INVOLVES APPROXIMATELY 0.60 ACRES OF LAND DISTURBANCE.	MS-16 UNDERGROUND UTILITIES: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA: A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME. B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY. D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER. F. APPLICABLE SAFETY REQUIREMENTS SHALL BE COMPLIED WITH.	X. SOIL STOCKPILES AND BORROW AREAS 1. FILL MATERIAL SHALL BE OBTAINED FROM AREAS OF EXCAVATION ON SITE. LOCATIONS OF SOIL STOCKPILES SHALL BE DETERMINED BY THE CONTRACTOR WITH THE APPROVAL OF THE OWNER/DEVELOPER. ALL STOCKPILES SHALL BE LOCATED ON SITE AND PROTECTED WITH SURROUNDING SILT FENCING AND STABILIZED WITH A VEGETATIVE COVER. THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN FOR ALL SOILS INTENTIONALLY TRANSPORTED OFFSITE IF THE TRANSPORTED MATERIAL DISTURBS MORE THAN 10,000 SQUARE FEET IN AREA.	WileyWilson Constant Progress 127 Nationwide Drive Lynchburg, VA 24502 434.947.1501 wileywilson.com 100% Employee-Owned																																																		
II. EXISTING SITE CONDITIONS AREA 1 ADJACENT TO THE RAILROAD CONSISTS OF FOREST ON THE EAST SIDE OF THE RAILROAD AND OPEN FIELD AND PLANTED PINES ON THE WEST SIDE. THE SECTION ALONG BEAUMONT ROAD CONSISTS OF A 2 LANE PAVED ROADWAY WITH DRIVEWAY ENTRANCES ALONG THE ROUTE.	MS-17 CONSTRUCTION ACCESS ROUTES: WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES. MS-18 TEMPORARY E&S CONTROL MEASURE REMOVAL: ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE VESCP AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION. MS-19 ADEQUACY OF RECEIVING CHANNELS: PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS: A. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED. B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER: (1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR (2) (A) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS. (B) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND (C) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM. C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL: (1) IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL, THE BED, OR THE BANKS; OR (2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; (3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR (4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE VESCP AUTHORITY TO PREVENT DOWNSTREAM EROSION. D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE VESCP OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE. G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED INTO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE. L. ANY PLAN APPROVED PRIOR TO JULY 1, 2014, THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS IF THE PRACTICES ARE DESIGNED TO (I) DETAIN THE WATER QUALITY VOLUME AND TO RELEASE IT OVER 48 HOURS; (II) DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR, 24-HOUR STORM; AND (III) REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 1.5, 2, AND 10-YEAR, 24-HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EQUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION, ACHIEVED THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION, AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS AS CONTAINED IN ANY REGULATIONS PROMULGATED PURSUANT TO § 62-1.44, 15.64 OR 62-1.44, 15.68 OF THE ACT. M. FOR PLANS APPROVED ON AND AFTER JULY 1, 2014, THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62-1.44, 15.62 A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFIED BY COMPLIANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (§ 62-1.44, 15.24 ET SEQ. OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS, UNLESS SUCH LAND-DISTURBING ACTIVITIES ARE IN ACCORDANCE WITH 9VAC25-870-48 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMPP) REGULATIONS. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-68 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMPP) REGULATIONS SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF SUBDIVISION 19 OF THIS SUBSECTION.	XI. SEQUENCE OF CONSTRUCTION 1. CONSTRUCT THE TEMPORARY STONE CONSTRUCTION ENTRANCES. 2. INSTALL EROSION AND SEDIMENT CONTROL PRACTICES AS IS PRACTICABLE. 3. CLEAR THE PLANNED DISTURBED AREA AND REMOVE DEBRIS TO A SUITABLE LOCATION. 4. INSTALL UTILITIES, INLET AND OUTLET PROTECTION AS IS PRACTICABLE. 5. BRING GRADES TO DESIRED ELEVATION. 6. STABILIZE ALL DISTURBED AREAS WITH PERMANENT VEGETATION. 7. APPLY SURFACE TREATMENT AS DESIGNED. 8. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL RELEASED BY THE GOVERNING AGENCY. 9. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. 10. STABILIZE AREAS AFFECTED BY THE REMOVAL OF TEMPORARY E&S MEASURES.	TS TEMPORARY SEEDING SCHEDULE <table><thead><tr><th>PLANTING SPECIES</th><th>SPECIES</th><th>RATE (LBS/ACRE)</th></tr></thead><tbody><tr><td>SEPT 1 - FEB 15</td><td>50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) & CEREAL (WINTER) RYE (SECALE CERALE)</td><td>50 - 100</td></tr><tr><td>FEB 16 - APR 30</td><td>ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM)</td><td>60 - 100</td></tr><tr><td>MAY 1 - AUG 31</td><td>GERMAN MILLET (SETARIA ITALICA)</td><td>50</td></tr></tbody></table> PS PERMANENT SEEDING SCHEDULE SITE SPECIFIC SEEDING MIXTURES FOR APPALACHIAN/MOUNTAIN AREA <table><thead><tr><th>MINIMUM LAWN CARE (COMMERCIAL OR RESIDENTIAL)</th><th>TOTAL POUNDS PER ACRE</th></tr></thead><tbody><tr><td>KENTUCKY 31 OR TURF-TYPE TALL FESCUE</td><td>95-100%</td></tr><tr><td>IMPROVED PERENNIAL RYEGRASS*</td><td>0-10%</td></tr><tr><td>KENTUCKY BLUEGRASS</td><td>0-10%</td></tr><tr><td colspan="2">HIGH MAINTENANCE LAWN CARE</td></tr><tr><td>MINIMUM OF THREE (3) UP TO FIVE (5) VARIETIES OF BLUEGRASS FROM APPROVED LIST FOR USE IN VIRGINIA</td><td>125 LBS</td></tr><tr><td colspan="2">GENERAL SLOPE (3:1 OR LESS)</td></tr><tr><td>KENTUCKY 31 FESCUE</td><td>128 LBS</td></tr><tr><td>INDIAN GRASS</td><td>2 LBS</td></tr><tr><td>SEASONAL NURSE CROP**</td><td>20 LBS</td></tr><tr><td colspan="2">LOW MAINTENANCE SLOPE (STEEPER THAN 3:1)</td></tr><tr><td>KENTUCKY 31 FESCUE</td><td>108 LBS</td></tr><tr><td>ROUNDHEADED BUSHCLOVER</td><td>2 LBS</td></tr><tr><td>SEASONAL NURSE CROP**</td><td>20 LBS</td></tr><tr><td>INDIAN GRASS</td><td>20 LBS</td></tr></tbody></table> *PERENNIAL RYEGRASS WILL GERMINATE FASTER AND AT LOWER SOIL TEMPERATURES THAN FESCUE, THEREBY PROVIDING COVER AND EROSION RESISTANCE FOR SEEDBED. **USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW: <table><thead><tr><th>ANNUAL RYE:</th><th>MARCH, APRIL THROUGH MAY 15TH</th></tr><tr><th>FOXTAIL MILLET:</th><th>MAY 16TH THROUGH AUGUST 15TH</th></tr><tr><th>ANNUAL RYE:</th><th>AUGUST 16TH THROUGH SEPTEMBER, OCTOBER</th></tr><tr><th>WINTER RYE:</th><th>NOVEMBER THROUGH FEBRUARY</th></tr></thead></table> LIME & FERTILIZER SPECIFICATIONS: A SOILS TEST IS REQUIRED PRIOR TO FINAL SITE STABILIZATION, TO DETERMINE LIME AND FERTILIZER APPLICATION RATES FOR THE ESTABLISHMENT OF GRASS ON SITE. CONTACT VIRGINIA COOPERATIVE EXTENSION OR A GEOTECHNICAL FIRM WITH SOIL TESTING FACILITIES TO OBTAIN A SOILS REPORT FOR NUTRIENT APPLICATION. INCORPORATION: LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF TOPSOIL BY DISCING OR OTHER MEANS WHENEVER POSSIBLE. FOR EROSION CONTROL, WHEN APPLYING LIME AND FERTILIZER WITH A HYDROSEEDER, APPLY TO A ROUGH, LOOSE SURFACE. MULCHING: MULCH WITH STRAW AT A RATE OF 2 TONS/ACRE OR EQUIVALENT.	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III. ADJACENT PROPERTIES THE PROJECT SITE IS BOUNDED BY OPEN FIELD TO THE SOUTH NORFOLK SOUTHERN RAILWAY TO THE WEST, OLD MOUNTAIN ROAD, STATE ROUTE 605, TO THE NORTH AND EAST AND BEAUMONT ROAD TO THE SOUTH.																																																					
IV. OFF-SITE AREAS FILL MATERIAL WILL BE OBTAINED FROM AREAS OF EXCAVATION CONTAINED WITHIN THE SITE. UNSUITABLE MATERIAL WILL BE HAULED FROM THE SITE AND DISPOSED OF IN AN APPROVED MANNER. THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN TO THE EROSION AND SEDIMENT CONTROL REGULATOR PERTAINING TO OFF-SITE DISTURBED AREAS (IF ANY SUCH AREAS ARE REQUIRED) SUCH AS STOCKPILES, STAGING AREAS, AND SPOIL AREAS THAT ARE USED FOR THIS PROJECT.																																																					
V. SOILS ACCORDING TO USDA SCS SOIL MAPPING, THE PROJECT SITE LIES ON SOIL TYPE TUMBLING LOAM THE TUMBLING LOAM SOILS ARE CONSIDERED FARMLAND OF STATEWIDE IMPORTANCE AND ARE WELL DRAINED. THESE SOILS PARENT MATERIAL CONSISTS OF COLLUVIUM DERIVED FROM SANDSTONE AND SHALE. THE SOIL IS NOT FREQUENTLY FLOODED AND IS NOT PONDED. IT DOES NOT MEET HYDRIC CRITERIA. PERMEABILITY OF THE SUBSOIL IS MODERATELY HIGH AND THE HAZARD OF EROSION FOR EXPOSED SOIL IS MEDIUM TO SEVERE. THE NONIRRIGATED LAND CAPACITY CLASSIFICATIONS IS 3E. HYDROLOGIC GROUP IS B.																																																					
VI. CRITICAL AREAS THERE ARE NO CRITICAL AREAS WITHIN THE PROJECT SITE.																																																					
VII. EROSION AND SEDIMENT CONTROL MEASURES ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. SYMBOLS, DETAILS, AND DIMENSIONS USED ARE TAKEN FROM THE HANDBOOK, AS WELL AS THE LATEST EDITION OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE STANDARDS.																																																					
A. STRUCTURAL PRACTICES 1. TEMPORARY STONE CONSTRUCTION ENTRANCE (CE), SPEC. 3.02: A CONSTRUCTION ENTRANCE SHALL BE PROVIDED AS SHOWN ON THE PLANS AT THE EXISTING ROAD. EQUIPMENT WHEELS SHALL BE CLEAN WHEN ENTERING UPON A PAVED ROAD. ALL VEHICLES ENTERING AND EXITING THE PROJECT SITE SHALL USE A CONSTRUCTION ENTRANCE. 2. CONSTRUCTION ROAD STABILIZATION (CRS), SPEC. 3.03: STONE SHALL BE PLACED ALONG THE ROADWAYS SHORTLY AFTER SUBGRADE IS REACHED TO MINIMIZE THE TRANSPORT OF SEDIMENT. 3. SILT FENCE (SF), SPEC. 3.05: SILT FENCE BARRIERS SHALL BE PROVIDED WHERE SHOWN AND AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. 4. STORM DRAIN INLET PROTECTION (IP), SPEC. 3.07: STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR INLETS AS SHOWN ON THE PLANS. 5. CULVERT INLET PROTECTION (CIP), SPEC. 3.08: CULVERT INLET PROTECTION SHALL BE PROVIDED FOR THE CULVERTS AS SHOWN ON THE PLANS. 6. ROCK CHECK DAMS (CD), SPEC. 3.20: PROVIDE ROCK CHECK DAMS AS SHOWN ON THE PLANS. 7. SOIL STABILIZATION BLANKETS AND MATTING (BM), SPEC. 3.36: PROVIDE SOIL STABILIZATION BLANKETS AND MATTING ALONG THE STORM WATER CONVEYANCE CHANNELS AS SHOWN ON THE PLANS. IN AREAS WHERE SEEDING OR HYDROSEEDING OF SLOPES ARE UNSUCCESSFUL, PROVIDE EC-2 BLANKETS AND OVERSEED. B. VEGETATIVE PRACTICES 8. TEMPORARY SEEDING (TS), SPEC. 3.31: TEMPORARY SEEDING SHALL BE PROVIDED ON SITE TO PROVIDE STABILIZATION UNTIL SITE DEVELOPMENT OCCURS. APPLY SEED BASED ON TEMPORARY SEEDING SCHEDULE SHOWN ON THE PLANS. 9. PERMANENT SEEDING (PS), SPEC. 3.32: PERMANENT SEEDING SHALL BE PROVIDED ON SITE TO PROVIDE STABILIZATION FOR ALL DISTURBED AREAS. APPLY SEED BASED ON PERMANENT SEEDING SCHEDULE SHOWN ON THE PLANS. 10. MULCHING (MU), SPEC. 3.35: ALL PERMANENT AND TEMPORARY SEEDING SHALL BE STRAW MULCHED IMMEDIATELY UPON COMPLETION OF SEED APPLICATION. STRAW ON STEEP SLOPES SHALL BE ANCHORED UNLESS SEEDING WAS PROVIDED BY MEANS OF A HYDROSEEDING, IN WHICH CASE, MULCHING IS NOT REQUIRED. C. MINIMUM STANDARDS MS-1 STABILIZATION OF DENUDED AREAS: PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. MS-2 DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE. MS-3 PERMANENT VEGETATIVE COVER: A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION. MS-4 TIMING AND STABILIZATION OF SILT TRAPPING MEASURES: CONCENTRATED RUNOFF DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE. MS-5 WATER SEEPAGE FROM A SLOPE FACE: WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED. MS-10 STORM SEWER INLET PROTECTION: ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MS-11 STABILIZATION OF OUTLETS: BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL. MS-12 WORK IN LIVE WATERCOURSES: WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS. MS-13 CROSSING A LIVE WATERCOURSE: WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED. MS-14 APPLICABLE REGULATIONS: ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET. MS-15 STABILIZATION OF BED AND BANKS: THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.																																																					
VIII. PERMANENT STABILIZATION ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH SEEDING FOLLOWING GRADING IN ACCORDANCE WITH THE MINIMUM STANDARDS. SEEDING SHALL BE IN ACCORDANCE WITH THE TEMPORARY OR PERMANENT SEEDING SCHEDULES SHOWN ON THIS PLAN. IN ALL SEEDING OPERATIONS, TOPSOIL, SEED, FERTILIZER AND LIME SHALL BE APPLIED PRIOR TO INSTALLATION OF MULCHING OR EROSION CONTROL BLANKETS AND MATTING.																																																					
IX. STORMWATER MANAGEMENT MANAGEMENT OF STORMWATER RUNOFF DURING CONSTRUCTION WILL COMPLY WITH THE EXISTING VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS 9VAC25-840. THE EROSION AND SEDIMENT CONTROL PLANS INDICATE ALL ACTIVITIES AND STRATEGIES NECESSARY TO MINIMIZE EROSION AND SEDIMENTATION DURING CONSTRUCTION. MANAGEMENT OF STORMWATER RUNOFF AFTER CONSTRUCTION WILL COMPLY WITH THE EXISTING VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMPP) REGULATIONS 9VAC25-870. THE STORMWATER MANAGEMENT PLANS INDICATE ALL ACTIVITIES AND STRATEGIES NECESSARY TO COMPLY WITH THE VSMPP REGULATIONS AFTER CONSTRUCTION.																																																					

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1. SEE SHEET C-001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
2. SEE SHEETS C-002 FOR EROSION AND SEDIMENT CONTROL NARRATIVE
3. SEE SHEET C-501 FOR EROSION AND SEDIMENT CONTROL DETAILS
4. SEE SHEET C-502 THRU C-503 FOR CIVIL DETAILS

1. CONTRACTOR SHALL COORDINATE LOCATION OF TEMPORARY CATTLE FENCES, ACCESS GATES AND RELOCATED WATER TROUGHS WITH LANDOWNERS BEFORE INSTALLATION.
2. CONTRACTOR SHALL REPLACE ANY DAMAGED FENCES OR GATES IN KIND.
3. CONTRACTOR SHALL PLANT A MINIMUM OF 10 - 3 GALLON SIZE JAPANESE CEDAR (CRYPTOMERIA JAPONICA) EVERGREEN TREES OR APPROVED EQUAL ALONG PROPERTY LINE AT 20' SPACING TO REPLACE BUFFER TREES REMOVED DURING CONSTRUCTION.

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	

STRUCTURE SCHEDULE				
STRUCTURE ID	STRUCTURE TYPE	Δ ANGLE	NORTHING	EASTING
SSMH 100	48" DIA. PRECAST MANHOLE	90°00'00" RT	3651629.78	11068842.41
SSMH 101	48" DIA. PRECAST MANHOLE	2°58'28" LT	3651568.88	11069028.04
SSMH 102	48" DIA. PRECAST MANHOLE	0°00'00" 85°17'54" RT	3651537.07	11069145.22
SSMH 102A	48" DIA. PRECAST MANHOLE		3651510.87	11069241.73
SSMH 102B	48" DIA. PRECAST MANHOLE		3651419.07	11069123.38



WESTERN VIRGINIA
WATER AUTHORITY

OLD MOUNTAIN ROAD
SEWER

ROANOKE, VIRGINIA

[illegible]

COMM NO:	222174
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DATE: 08/16/2024

DRAWN: BSH	DESIGN: WRM
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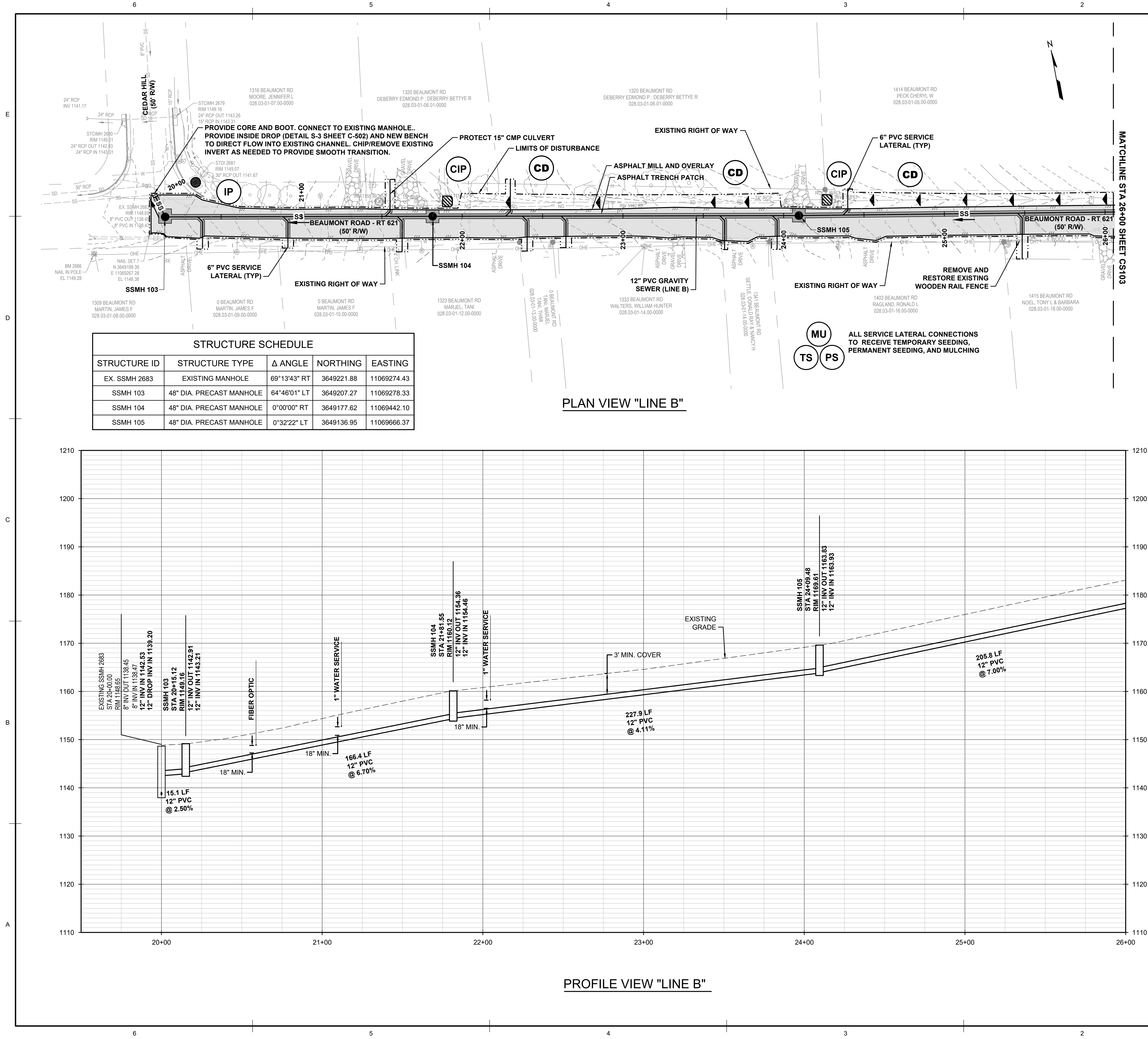
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SHEET TITLE

PLAN & PROFILE STA
10+00 TO STA 14+17
& 15+00 TO 16+20

SHT. NO.
CS101

REV. NO
0



GENERAL PLAN NOTES

- SEE SHEET C-001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
- SEE SHEETS C-002 FOR EROSION AND SEDIMENT CONTROL NARRATIVE
- SEE SHEET C-501 FOR EROSION AND SEDIMENT CONTROL DETAILS
- SEE SHEET C-502 THRU C-503 FOR CIVIL DETAILS

ASPHALT PAVEMENT NOTES

- COMPACTION TESTS WILL BE REQUIRED EVERY 500' FOR LONGITUDINAL UTILITY INSTALLATIONS UNDER PAVEMENT. A MINIMUM OF THREE (3) COMPACTION TESTS ARE REQUIRED.
- UNLESS SHOWN OTHERWISE, NEAREST EDGE OF UTILITY TRENCH SHALL BE A MINIMUM OF ONE (1) FOOT FROM EDGE OF PAVEMENT
- PAVEMENT IS TO BE REPLACED PER THE SPECIFICATIONS OF THE VDOT LUP-OC DETAIL AND NOTES ON SHEET C-503. PAVEMENT RESTORATION IS TO BE FLUSH WITH THE EDGE OF THE GUTTER PAN ON STREETS WITH CURB AND GUTTER.
- PAVEMENT REPLACEMENT ALONG ALL STATE MAINTAINED ROADS MUST MATCH THE PAVEMENT SECTION OF THE EXISTING ROAD.
- FINAL PAVEMENT SURFACE MUST BE FLUSH WITH THE FINAL RIM ELEVATIONS OF PROPOSED MANHOLES IN PAVEMENT

UTILITY NOTES

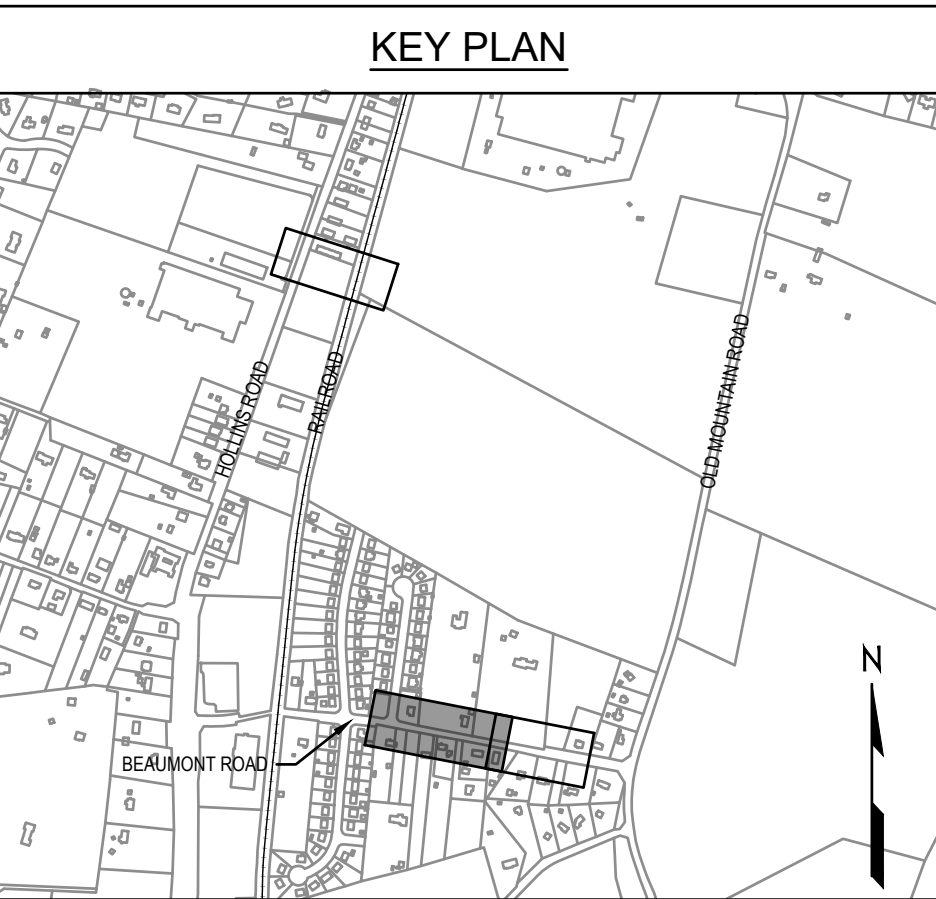
- ALL OPEN TRENCHES MUST BE BACKFILLED AND THE SITE SECURED AT THE END OF EACH WORKDAY.
- SANITARY SEWER MANHOLES ARE TO BE PLACED OUTSIDE THE WHEEL PATH OF TRAFFIC.

ASPHALT LEGEND

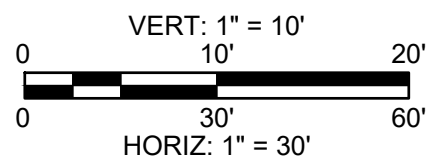


EROSION AND SEDIMENT CONTROL LEGEND

3.07	STORM DRAIN INLET PROTECTION	IP	
3.08	CULVERT INLET PROTECTION	CIP	
3.20	ROCK CHECK DAMS	CD	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	



IF THIS DRAWING IS REDUCED, GRAPHIC SCALE MUST BE USED.





STRUCTURE SCHEDULE				
STRUCTURE ID	STRUCTURE TYPE	Δ ANGLE	NORTHING	EASTING
SSMH 106	48" DIA. PRECAST MANHOLE	1°17'04" RT	3649102.13	11069869.23
SSMH 107	48" DIA. PRECAST MANHOLE	74°54'09" LT	3649054.05	11070116.03



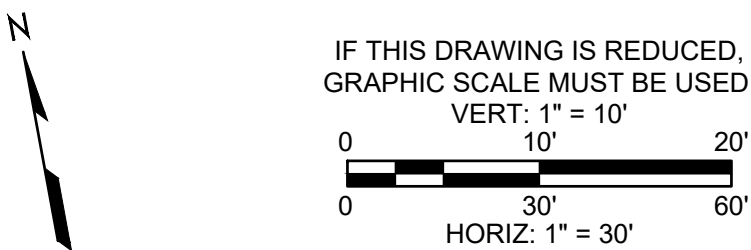
1. SEE SHEET C-001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
2. SEE SHEETS C-002 FOR EROSION AND SEDIMENT CONTROL NARRATIVE
3. SEE SHEET C-501 FOR EROSION AND SEDIMENT CONTROL DETAILS
4. SEE SHEET C-502 THRU C-503 FOR CIVIL DETAILS

1. COMPACTION TESTS WILL BE REQUIRED EVERY 500' FOR LONGITUDINAL UTILITY INSTALLATIONS UNDER PAVEMENT. A MINIMUM OF THREE (3) COMPACTION TESTS ARE REQUIRED.
2. UNLESS SHOWN OTHERWISE, NEAREST EDGE OF UTILITY TRENCH SHALL BE A MINIMUM OF ONE (1) FOOT FROM EDGE OF PAVEMENT
3. PAVEMENT IS TO BE REPLACED PER THE SPECIFICATIONS OF THE VDOT LUL-QC DETAIL AND NOTES ON SHEET C-503. PAVEMENT RESTORATION IS TO BE FLUSH WITH THE EDGE OF THE GUTTER PAN ON STREETS WITH CURB AND GUTTER.
4. PAVEMENT REPLACEMENT ALONG ALL STATE MAINTAINED ROADS MUST MATCH THE PAVEMENT SECTION OF THE EXISTING ROAD.
5. FINAL PAVEMENT SURFACE MUST BE FLUSH WITH THE FINAL RIM ELEVATIONS OF PROPOSED MANHOLES IN PAVEMENT

1. ALL OPEN TRENCHES MUST BE BACKFILLED AND THE SITE SECURED AT THE END OF EACH WORKDAY.
2. SANITARY SEWER MANHOLES ARE TO BE PLACED OUTSIDE THE WHEEL PATH OF TRAFFIC.

MILL AND OVERLAY	
TRENCH PATCH	

3.08	CULVERT INLET PROTECTION	CIP	
3.20	ROCK CHECK DAMS	CD	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	

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REV. NO
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-501	0
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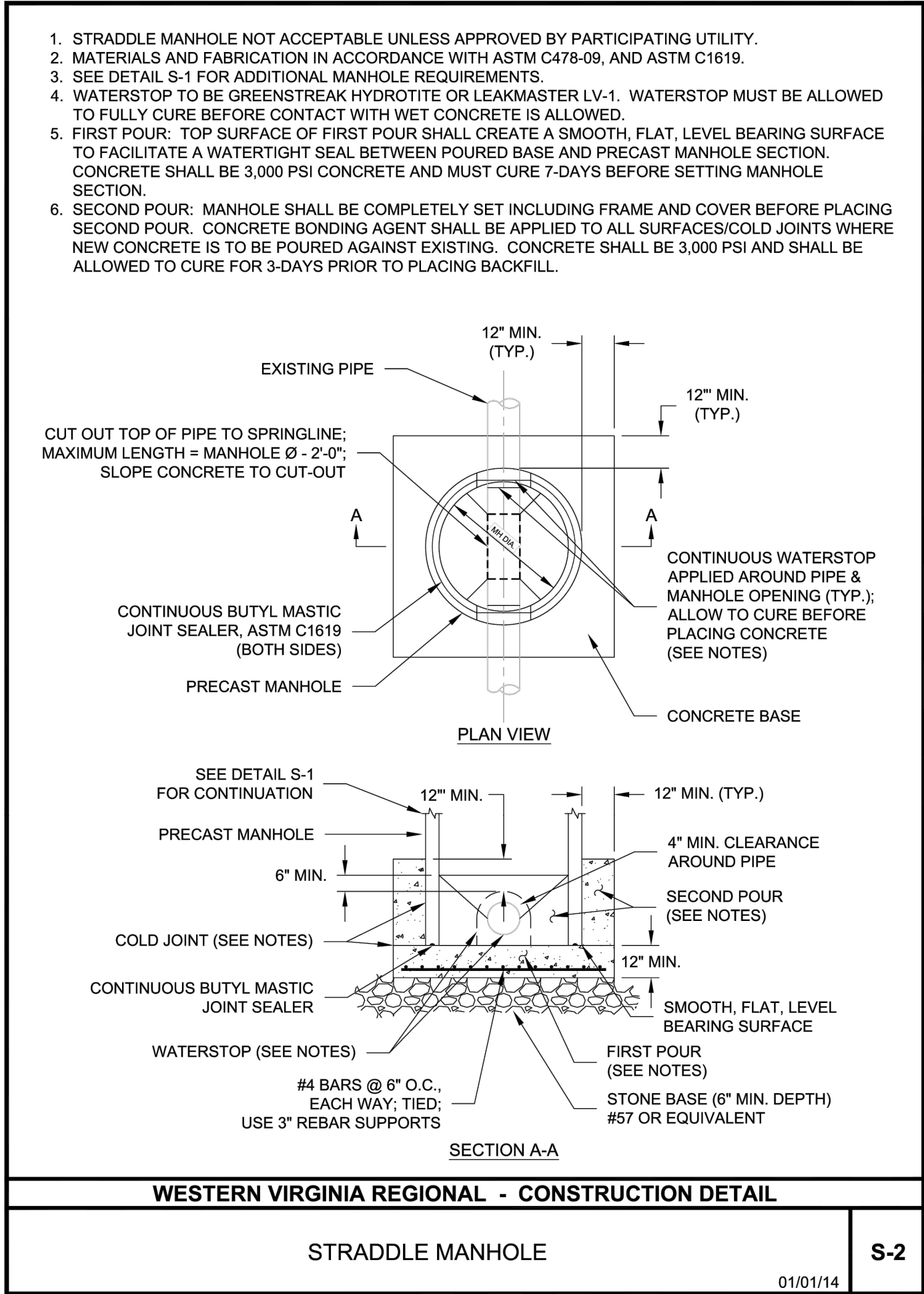
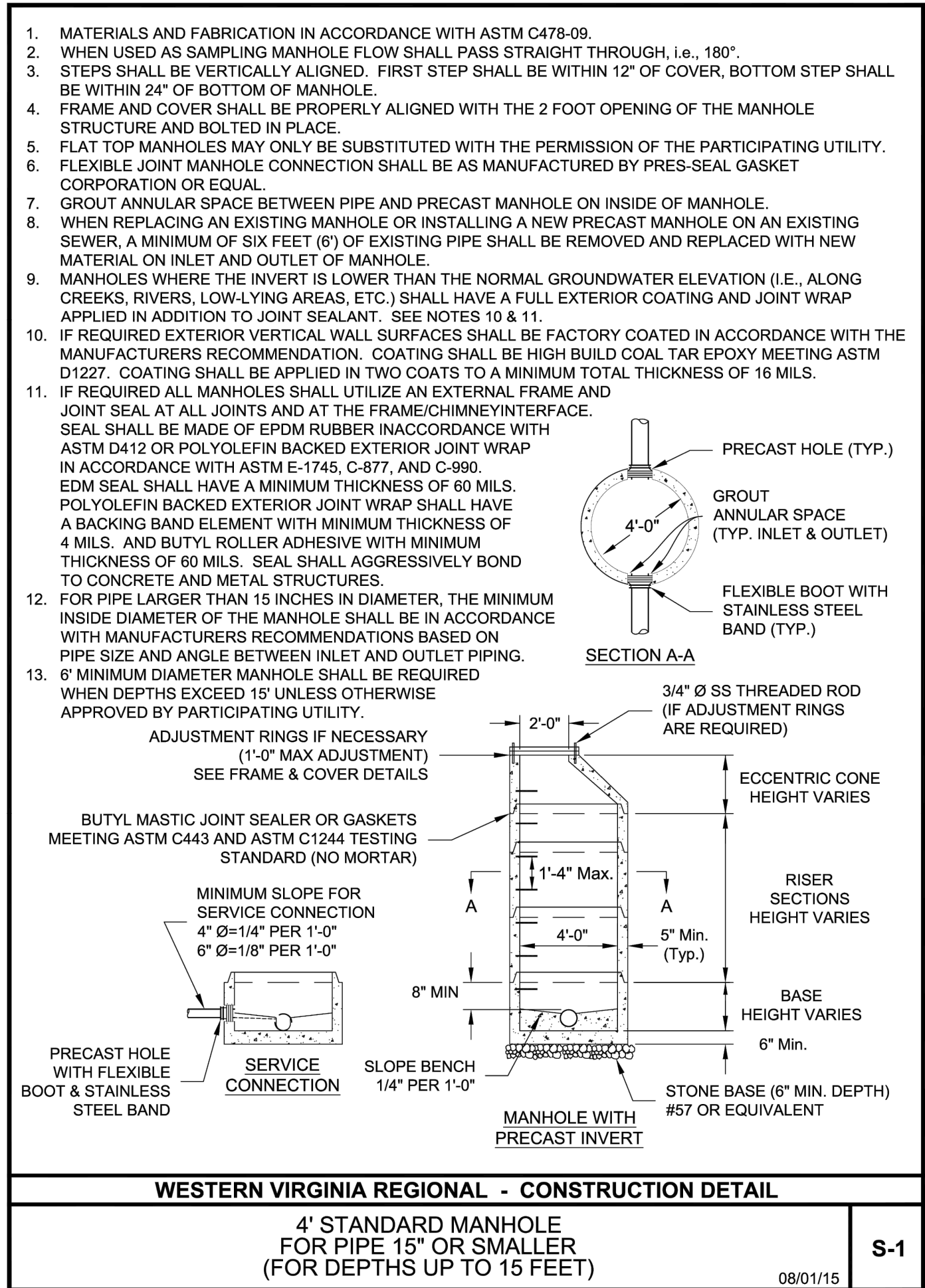
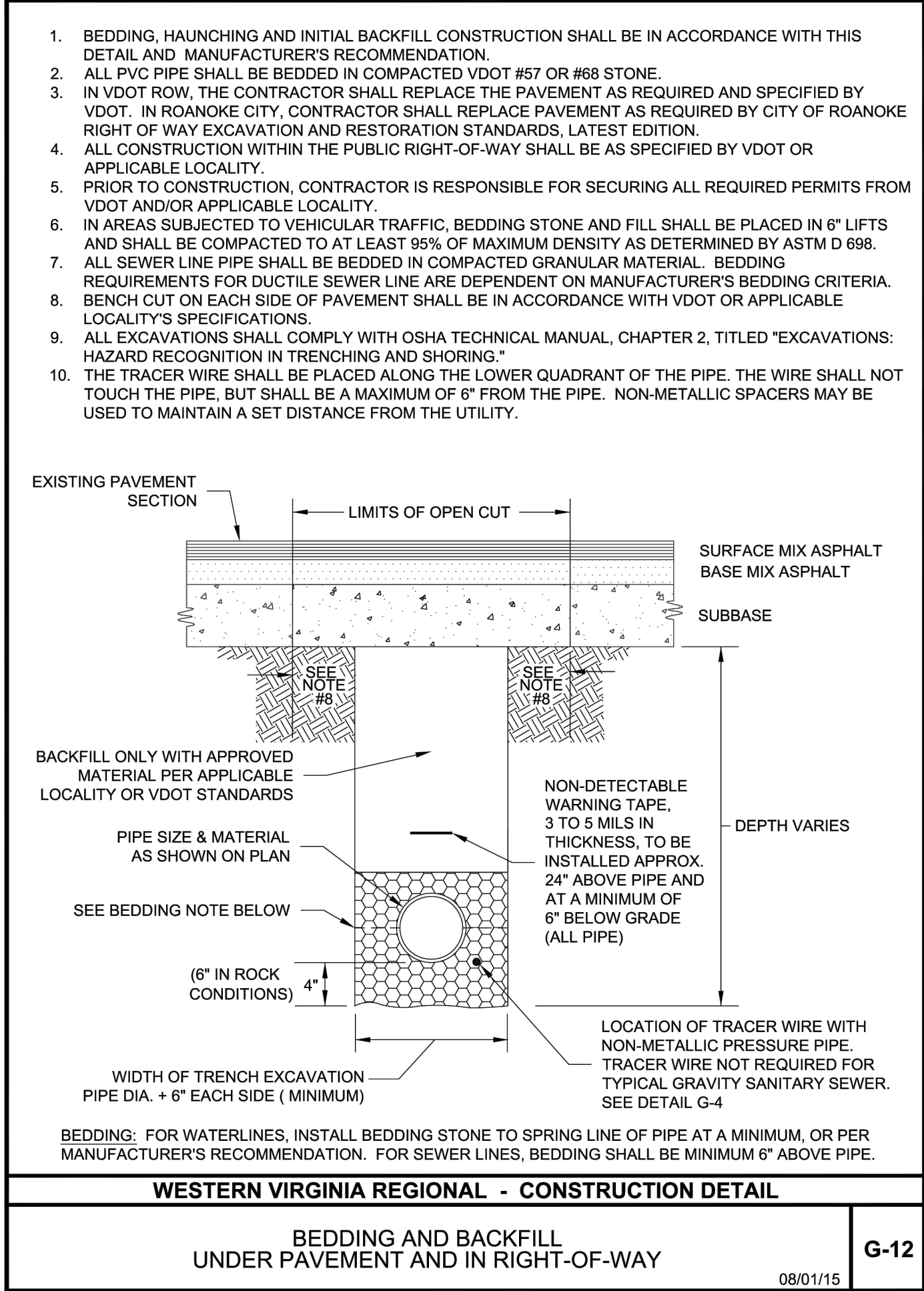
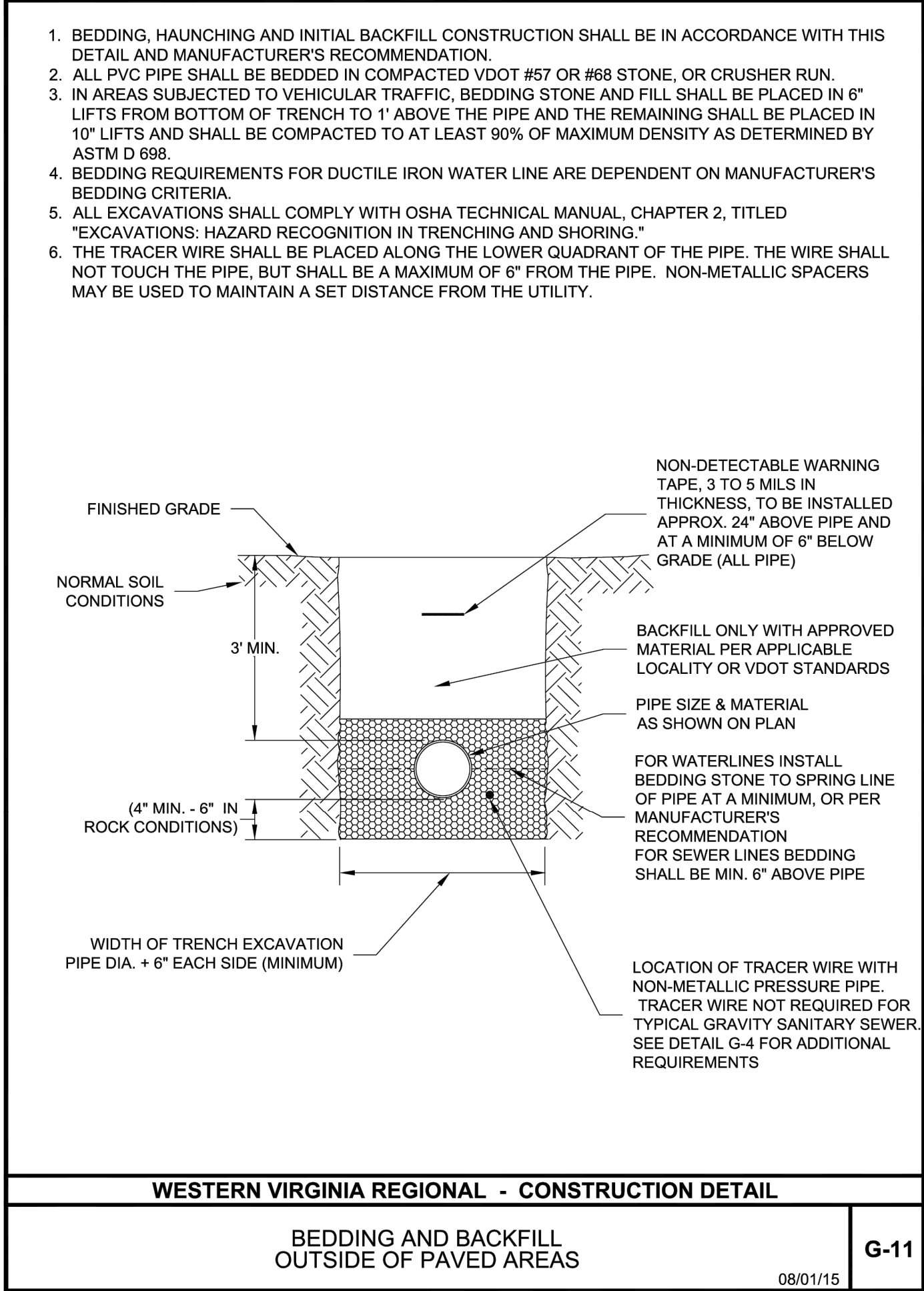
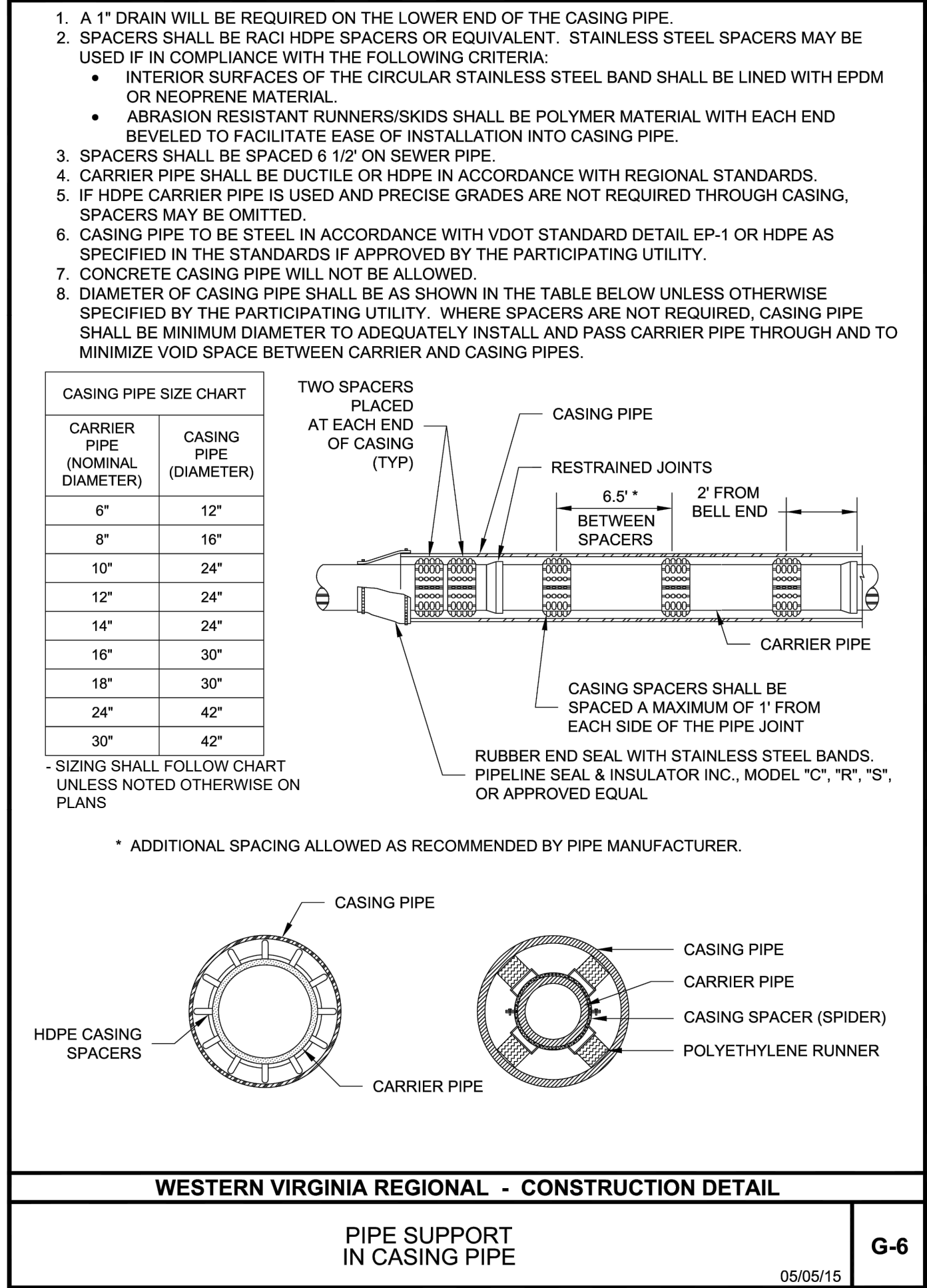
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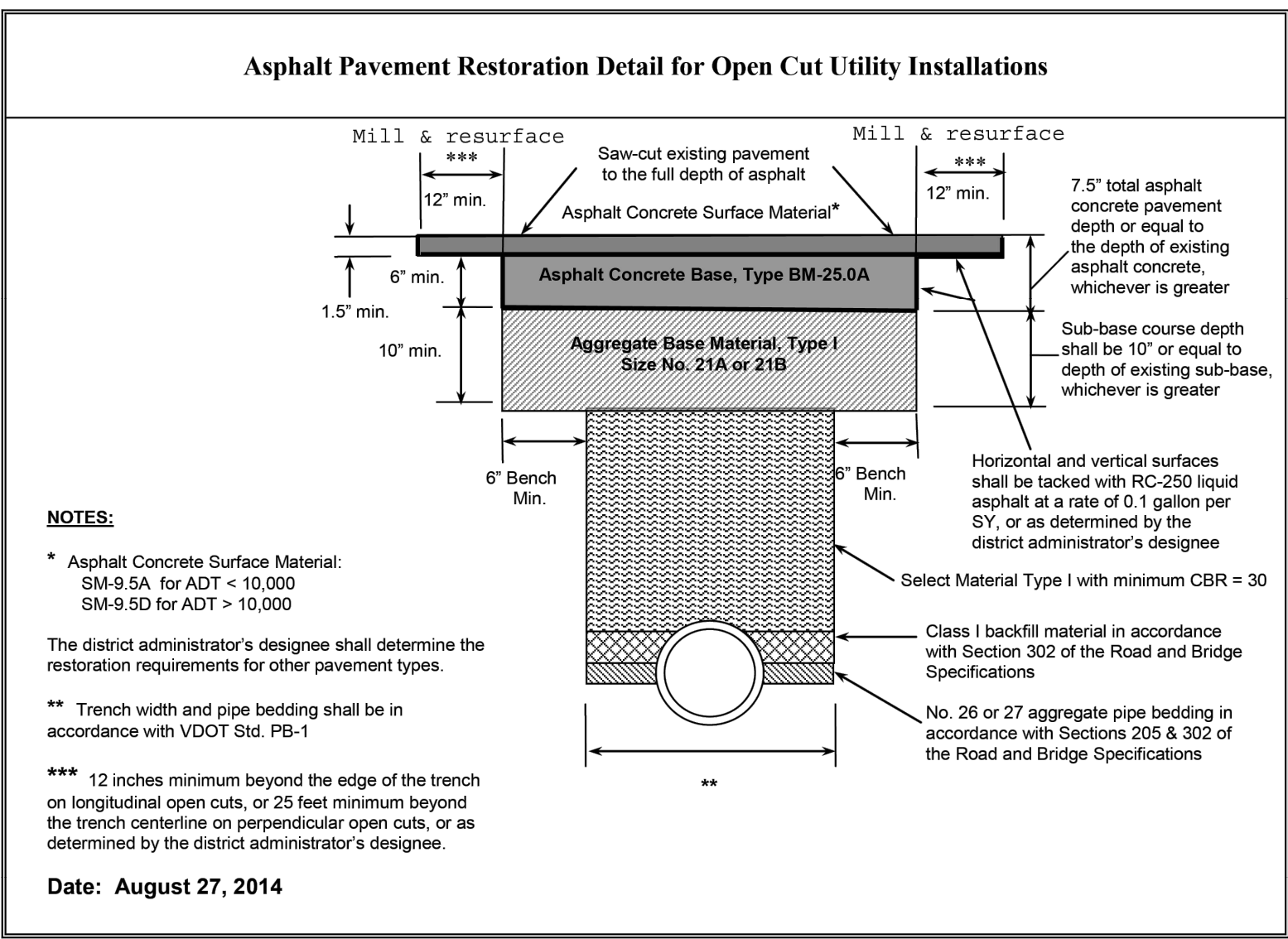
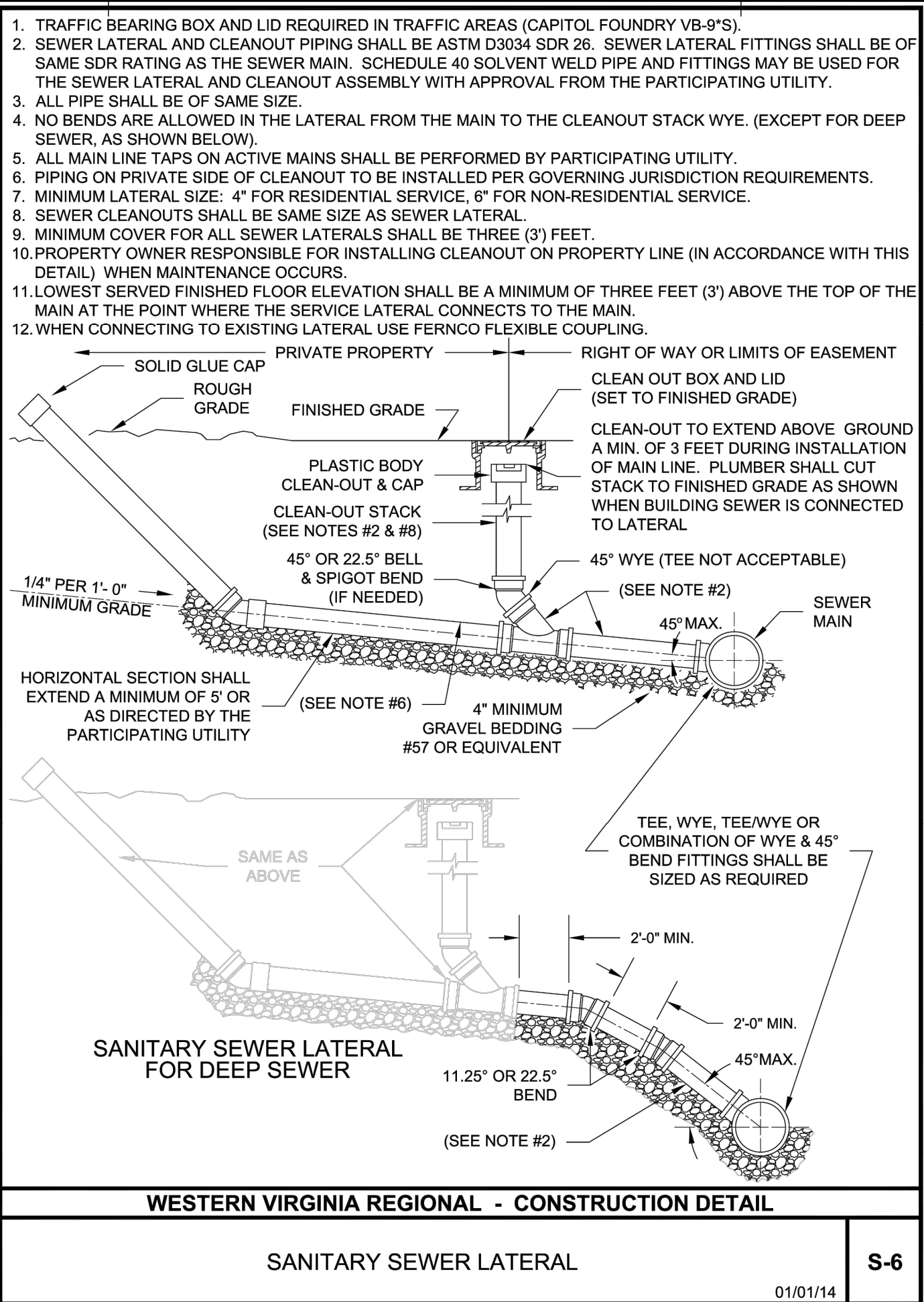
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