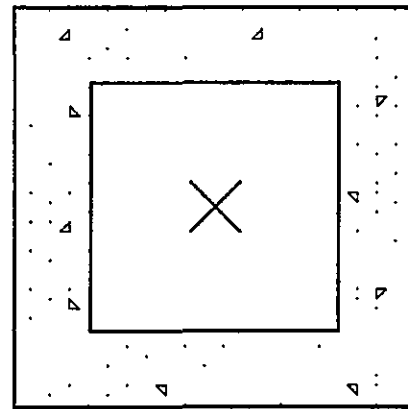


EROSION AND SEDIMENT CONTROL NOTES:

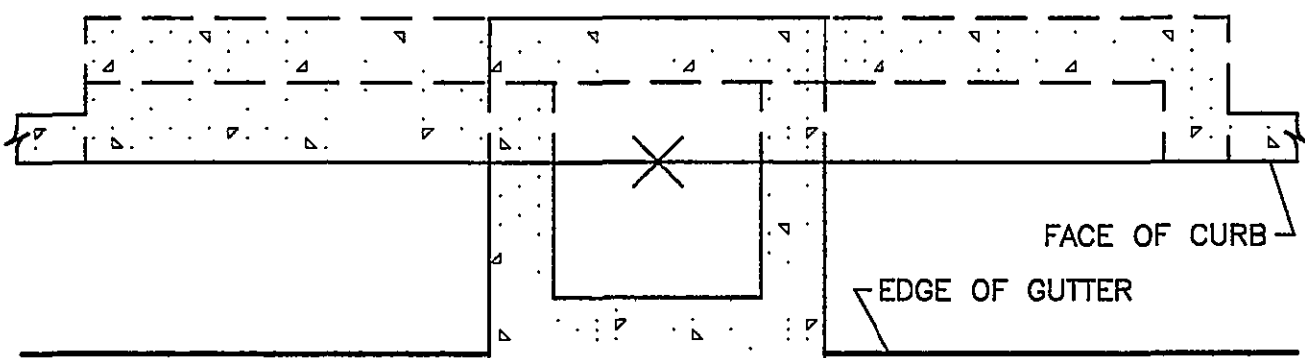
THE PURPOSE OF THE EROSION CONTROL MEASURES SHOWN ON THESE PLANS SHALL BE TO PRECLUDE THE TRANSPORT OF ALL WATERBORNE SEDIMENTS RESULTING FROM CONSTRUCTION ACTIVITIES FROM ENTERING ONTO ADJACENT PROPERTIES OR STATE WATERS. IF FIELD INSPECTION REVEALS THE INADEQUACY OF THE PLAN TO CONFINE SEDIMENT TO THE PROJECT SITE, APPROPRIATE MODIFICATIONS WILL BE MADE TO CORRECT ANY PLAN DEFICIENCIES.

1. PLAN APPROVAL IN NO WAY RELIEVES THE CONTRACTOR OF THE RESPONSIBILITIES CONTAINED WITHIN THE EROSION AND SILTATION CONTROL POLICIES.
2. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
3. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL APPLICABLE MEASURES CONTAINED THEREIN WHICH MAY BE PERTINENT TO THIS PROJECT.
4. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED BY A TEMPORARY CONSTRUCTION ENTRANCE TO PREVENT TRACKING OF MUD ONTO PUBLIC RIGHT-OF-WAYS. AN ENTRANCE PERMIT FROM VDOT IS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN STATE RIGHT-OF-WAYS.
5. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN, NOT LOCATED IN PROPOSED FILL OR EXCAVATION AREAS, SHALL BE CONSTRUCTED PRIOR TO ALL OTHER LAND DISTURBANCE. THE CONTRACTOR SHALL ARRANGE AN ONSITE PRECONSTRUCTION CONFERENCE WITH THE ROANOKE CITY DEVELOPMENT INSPECTOR.
6. MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PROCEDURES APPROVED BY THE STATE OF VIRGINIA. MAINTENANCE WILL INCLUDE THE REPAIR OF MEASURES DAMAGED BY ANY SUBCONTRACTOR, INCLUDING THOSE OF THE PUBLIC UTILITY COMPANIES. AT THE PRECONSTRUCTION MEETING, THE CONTRACTOR WILL SUPPLY THE CITY OF ROANOKE WITH THE NAME OF THE INDIVIDUAL WHO WILL BE RESPONSIBLE FOR ENSURING MAINTENANCE OF INSTALLED MEASURES ON A DAILY BASIS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
7. SURFACE FLOWS OVER CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER REDIRECTING FLOWS FROM TRANSVERSING THE SLOPES OR BY INSTALLING MECHANICAL DEVICES TO SAFELY LOWER WATER DOWNSLOPE WITHOUT CAUSING EROSION. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
8. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
9. SEDIMENT CONTROL MEASURES MAY REQUIRE MINOR FIELD ADJUSTMENTS AT THE TIME OF CONSTRUCTION TO ENSURE THEIR INTENDED PURPOSE ARE ACCOMPLISHED. THE CITY OF ROANOKE'S APPROVAL WILL BE REQUIRED FOR ALL DEVIATIONS FROM THE APPROVED PLANS.

10. ALL STOCKPILE AND BORROW AREAS SHALL BE STABILIZED USING TEMPORARY OR PERMANENT SEEDING. SILT FENCE SHALL BE INSTALLED ALONG DOWNHILL TOE OF SLOPE.
11. THE CONTRACTOR SHALL COMPLETE DRAINAGE FACILITIES WITHIN 30 DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT. THE INSTALLATION OF DRAINAGE FACILITIES SHALL TAKE PRECEDENCE OVER ALL UNDERGROUND UTILITIES. OUTFALL DITCHES FROM DRAINAGE STRUCTURES SHALL BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION OF SAME. THIS INCLUDES INSTALLATION OF EROSION CONTROL STONE WHERE REQUIRED.
12. TEMPORARY VEGETATIVE COVER SHALL BE PROVIDED IN ALL AREAS WHICH ARE NOT DESIGNATED FOR PAVING, UNDERGROUND UTILITIES OR STRUCTURAL USES. SUCH AREAS SHALL NOT BE EXPOSED FOR PERIODS EXCEEDING 30 DAYS. TEMPORARY VEGETAL COVER MAY BE ELIMINATED IN FAVOR OF FINAL VEGETAL COVER IF CONSTRUCTION AND SEASONAL CONDITIONS PERMIT.
13. ALL AREAS DESIGNATED FOR PAVING, UNDERGROUND UTILITIES, AND STRUCTURAL USE SHALL BE STABILIZED AS SOON AS POSSIBLE, BUT NOT EXCEEDING 15 DAYS FOLLOWING INSTALLATION. NO MORE THAN 300' OF SANITARY SEWER, STORM SEWER, OR WATER LINES ARE TO BE OPEN AT ONE TIME.
14. ALL AREAS DESIGNATED FOR PAVING SHALL BE STABILIZED WITH A 6-INCH COURSE OF VDOT #1 COARSE AGGREGATE IMMEDIATELY AFTER GRADING OR THE COMPLETION OF UTILITY INSTALLATION.
15. THE TERM SEEDING, FINAL VEGETATIVE COVER OR STABILIZATION, ON THIS PLAN SHALL MEAN THE SUCCESSFUL GERMINATION AND ESTABLISHMENT OF A STABLE GRASS COVER FROM A PROPERLY PREPARED SEEDBED CONTAINING THE SPECIFIED AMOUNTS OF SEED, LIME, AND FERTILIZER. IRRIGATION SHALL BE REQUIRED AS NECESSARY TO INSURE ESTABLISHMENT OF GRASS COVER.
16. ALL SLOPES 3:1 OR STEEPER THAN 3:1 SHALL REQUIRE MATING TO AID IN THE ESTABLISHMENT OF A VEGETATIVE COVER. INSTALLATION SHALL BE IN ACCORDANCE WITH MULCHING AND MANUFACTURER'S INSTRUCTIONS AND THE VA E&S HANDBOOK.
17. INLET PROTECTION SHALL BE PROVIDED FOR ALL STORM DRAIN INLETS AS SOON AS PRACTICAL FOLLOWING CONSTRUCTION OF SAME.
18. OUTLET PROTECTION AND ANY TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED FOR PIPES AND CHANNELS BEFORE THEY ARE OPERATIONAL.
19. BASE COURSE MATERIAL SHALL BE PLACED IN ALL STREET AREAS WITHIN 30 DAYS OF FINAL GRADING.
20. TEMPORARY EROSION CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. AFTER STABILIZATION IS COMPLETE, ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS. TRAPPED SEDIMENT SHALL BE SPREAD AND SEEDED.
21. THE LOCATION OF ALL OFF-SITE FILL OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO THE ROANOKE REDEVELOPMENT AND HOUSING AUTHORITY. AN EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THIS AREA.
22. ALL EARTHEN CONTROLS AND STRUCTURES SHALL BE STABILIZED IMMEDIATELY UPON INSTALLATION.



DI-1 & DI-7



DI-2C & DI-2CC

NOTES:

DROP INLETS SHALL BE CONSTRUCTED USING PRECAST UNIT ASSEMBLIES FOR BASE, RISER, AND TOP AS PER VDOT 103.01 OF VDOT "ROAD AND BRIDGE STANDARDS". THE FOLLOWING DIAGRAMS INDICATE THE LOCATION OF COORDINATE POINTS FOR SANITARY SEWER AND STORM DRAIN STRUCTURES.

CALDWELL WHITE ASSOCIATES SURVEY NOTES:

1. THIS PLAT WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT BY A LICENSED ATTORNEY. THERE MAY EXIST ENCUMBRANCES WHICH AFFECT THE PROPERTY NOT SHOWN HEREON.
2. THE SUBJECT PROPERTY LIES WITHIN FLOODWAY ZONE "AE" AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL NO. 51161C1064G, DATED SEPTEMBER 28, 2007.
3. LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD LOCATION OF VISIBLE UTILITIES, AVAILABLE RECORDS, AND AS-BUILT DRAWINGS BY SKANSKA, AND AS LOCATED BY "UNDERGROUND LOCATOR SERVICE", TICKET # A707400701. THERE MAY BE UTILITIES WHICH AFFECT THIS PROPERTY NOT SHOWN HEREON. CONTRACTOR SHALL CALL "MISS UTILITY" TO VERIFY LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
4. REFERENCE: RESUBDIVISION PLAT FOR CARILION MEDICAL CENTER BY CALDWELL WHITE ASSOCIATES, REVISED JAN. 11, 2007, RECORDED IN M.B. 1, PG. 3098.

ADDITIONAL SURVEY NOTES:

1. SURVEY OF THE SITE WAS PERFORMED BY CALDWELL WHITE ASSOCIATES IN EARLY 2007 AND SUBMITTED TO HSMM IN MARCH 2007. UPDATES TO THE SURVEY HAVE BEEN PERFORMED IN EARLY 2008.
2. SOUTH JEFFERSON STREET AND RESERVE AVENUE ADDITIONAL SURVEY INFORMATION PROVIDED BY PHOTOGRAMMETRIC METHODS PERFORMED BY MCKENZIE-SNYDER, INC. OF ASHBURN, VIRGINIA FROM PHOTOGRAPHY DATED AUGUST 26, 2003.
3. SEE THIS SHEET FOR CONTROL POINT REFERENCE DIAGRAM.
4. ADDITIONAL EXISTING CONDITIONS FOR MEDICAL SCHOOL AND RESEARCH INST. BASED ON RIVERSIDE CENTER PARKING DECK AND CARILION CLINIC "SITEWORK PACKAGE" (JULY 17, 2007).

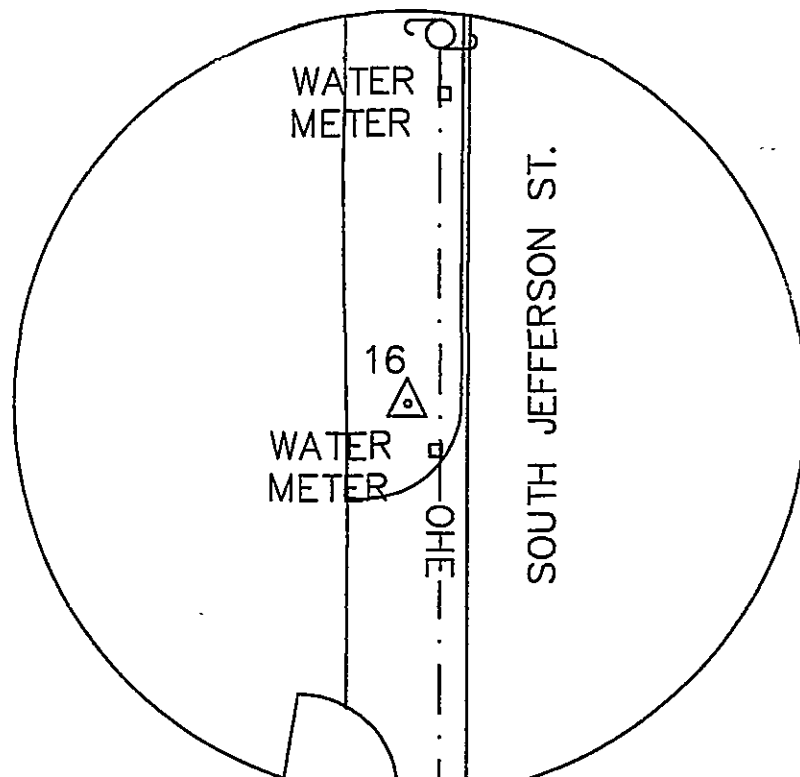
CALDWELL WHITE ASSOCIATES CONTROL POINT INFORMATION

FOR RIVERSIDE CORPORATE CENTER (07-0019)

TRAVERSE	NORTHING	EASTING	ELEVATION	DESCRIPTION
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CWA 17	3620095.3011	11063284.4545	923.48	PK NAIL
CWA 24	3620454.6556	11062229.3719	931.22	BRIDGE SPIKE
CWA 35	3620409.7796	11063053.0955	927.27	IRON PIN
CWA 36	3620439.9102	11062864.2633	928.81	IRON PIN
CWA 37	3620491.6426	11062631.7596	929.28	IRON PIN
CWA 38	3620261.7434	11062703.8691	930.08	IRON PIN
CWA 39	3619959.1434	11063061.5533	926.62	BRIDGE SPIKE

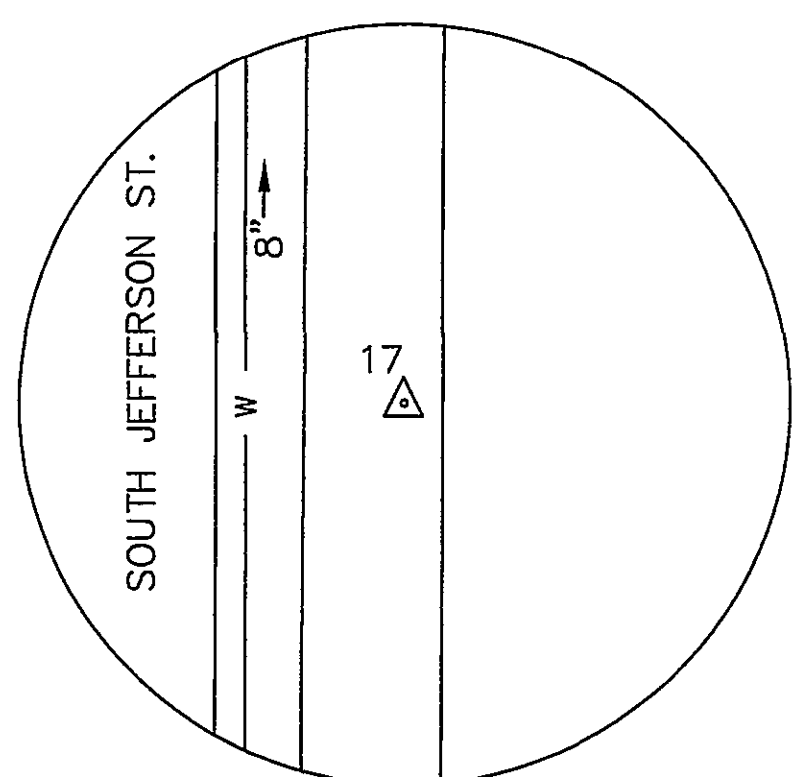
CALDWELL WHITE ASSOCIATES HORIZONTAL CONTROL POINT REFERENCE DIAGRAMS

(NOT TO SCALE)



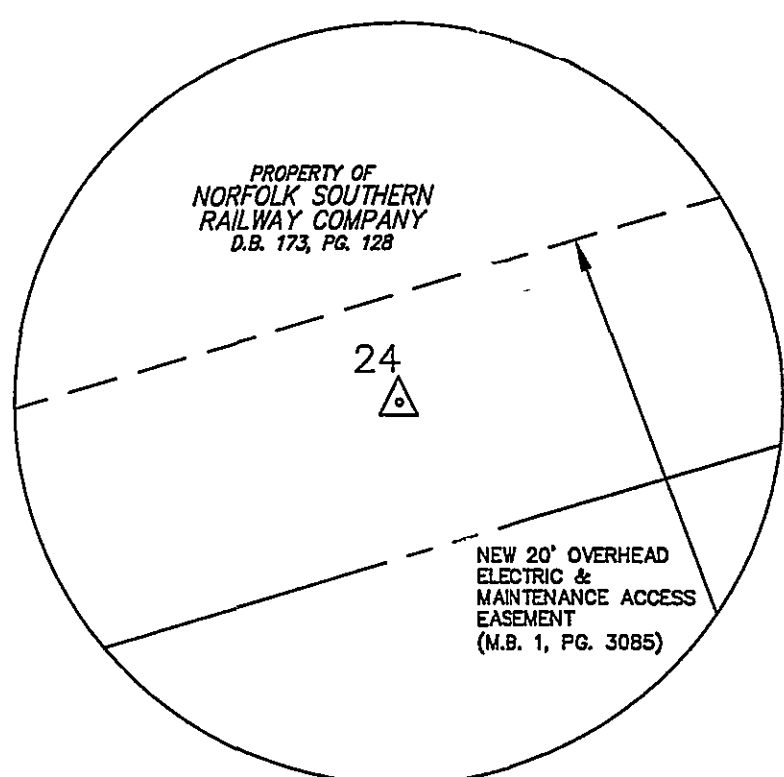
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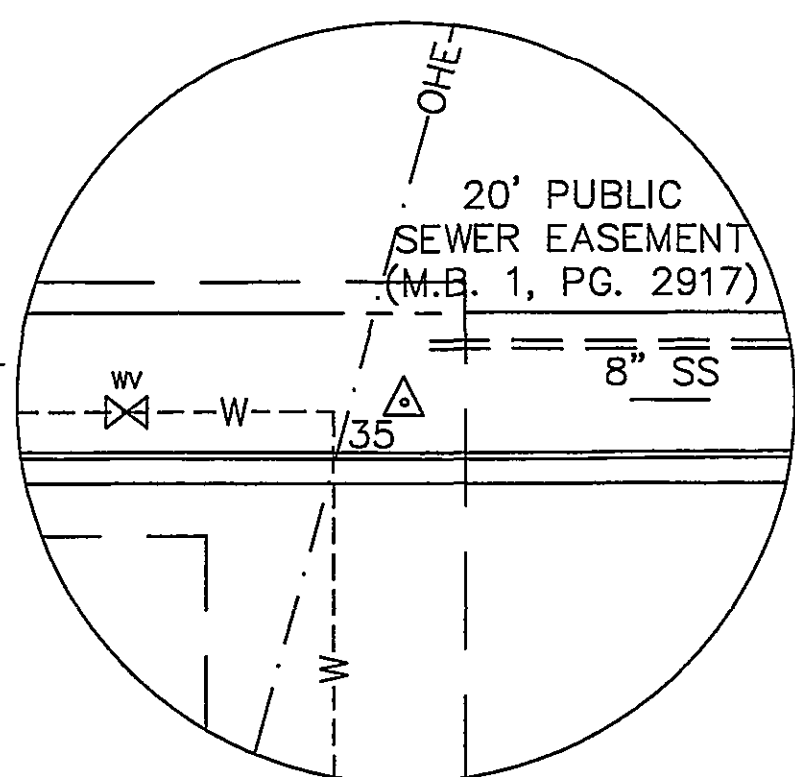
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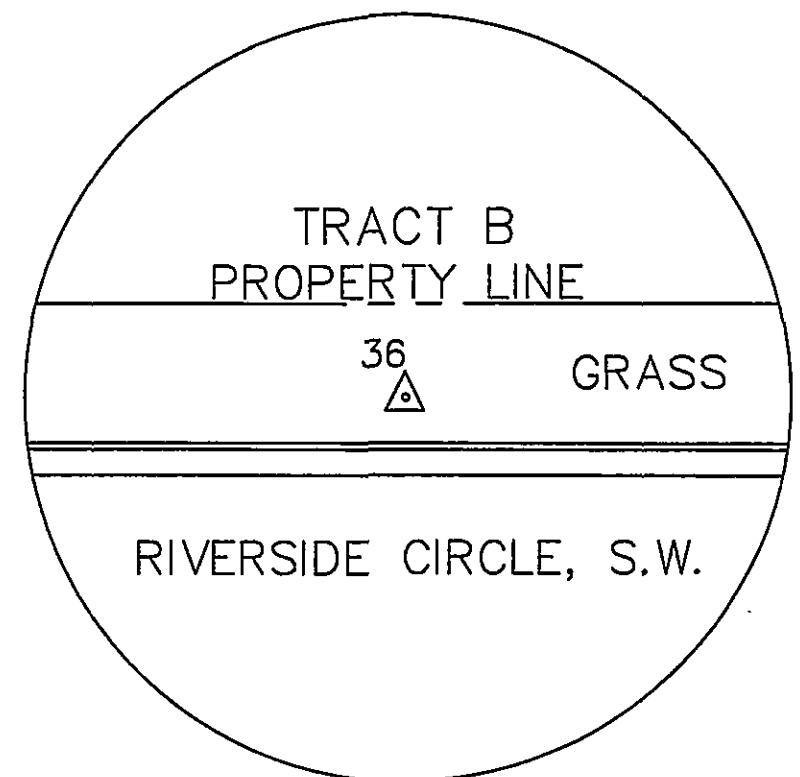
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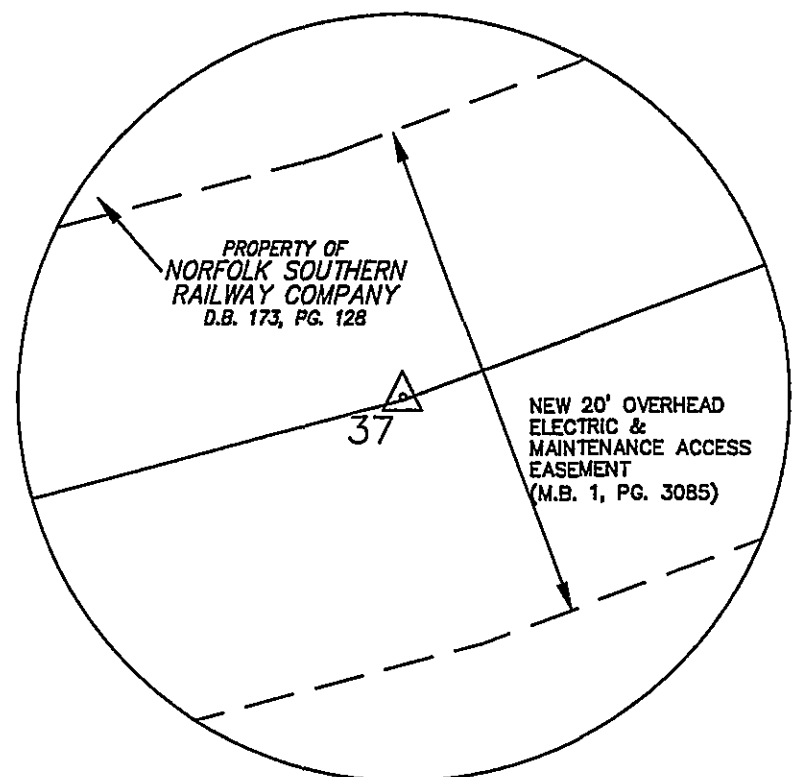
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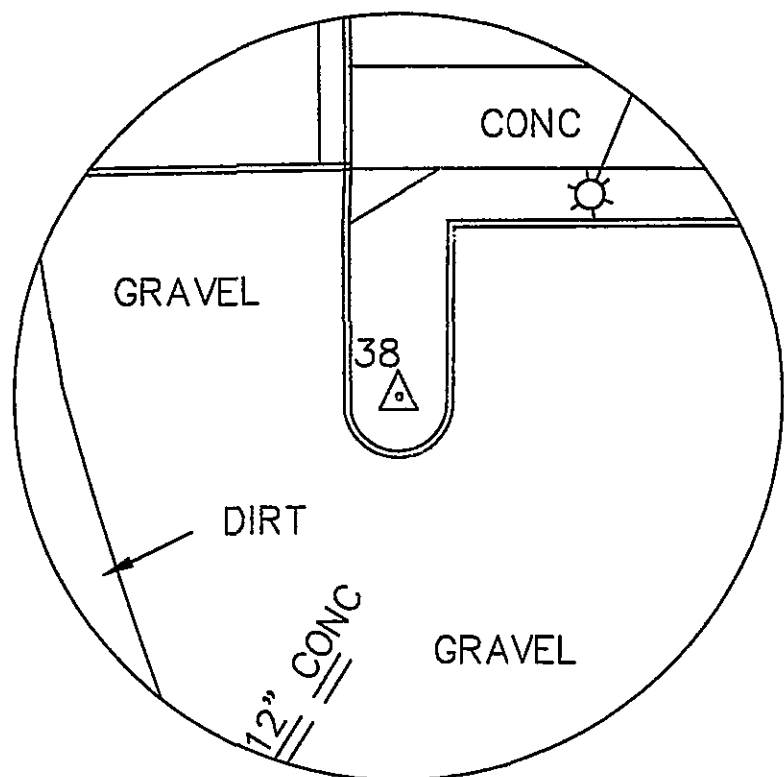
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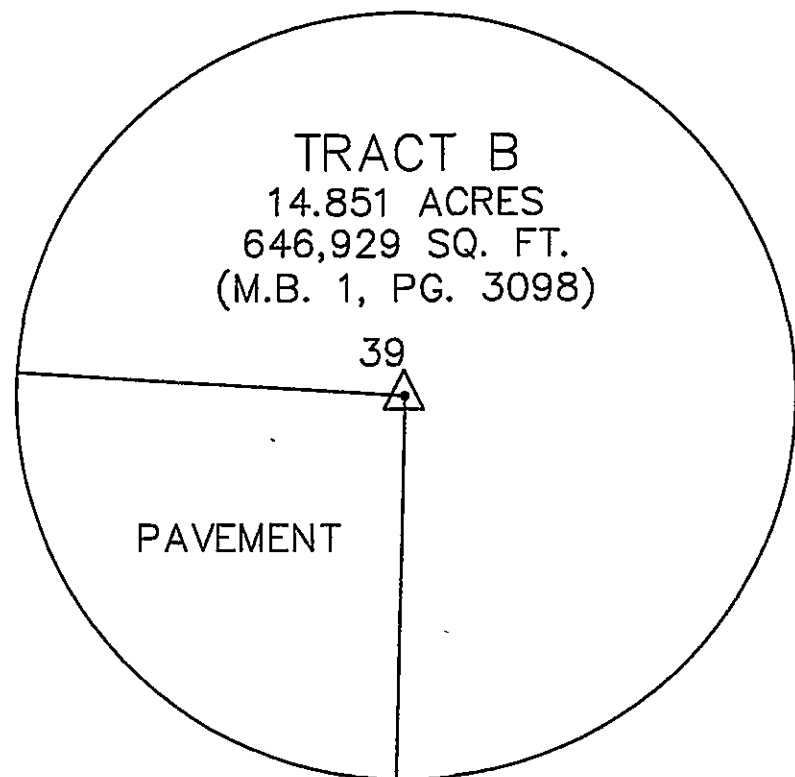
CWA 37

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CWA 38

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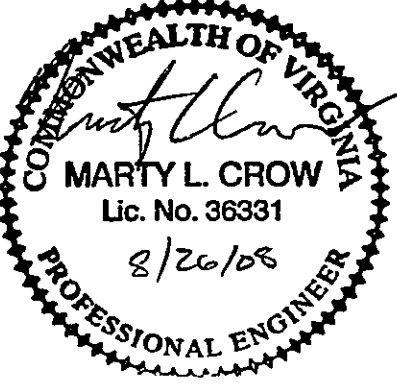
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HSMM | AECOM

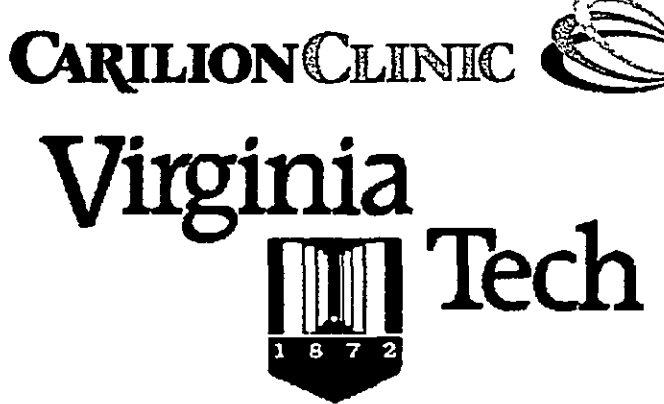
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SEALS



CONSULTANT

CONSULTANT



VIRGINIA
TECH/CARILION
SCHOOL OF
MEDICINE AND
RESEARCH
INSTITUTE
ROANOKE, VIRGINIA

PROJECT CODE:
208-16759

REV	DATE	DESCRIPTION	APP
PROJECT NO: 40080		PROJECT PHASE:	
ISSUE DATE: AUGUST 26, 2008			
DESIGNED BY: KSH		DRAWN BY: MDR	
CHECKED BY: MLC		SUBMITTED BY: SCG	

GENERAL

SITE TABLES, NOTES
LEGENDS AND DIAGRAMS

CS002