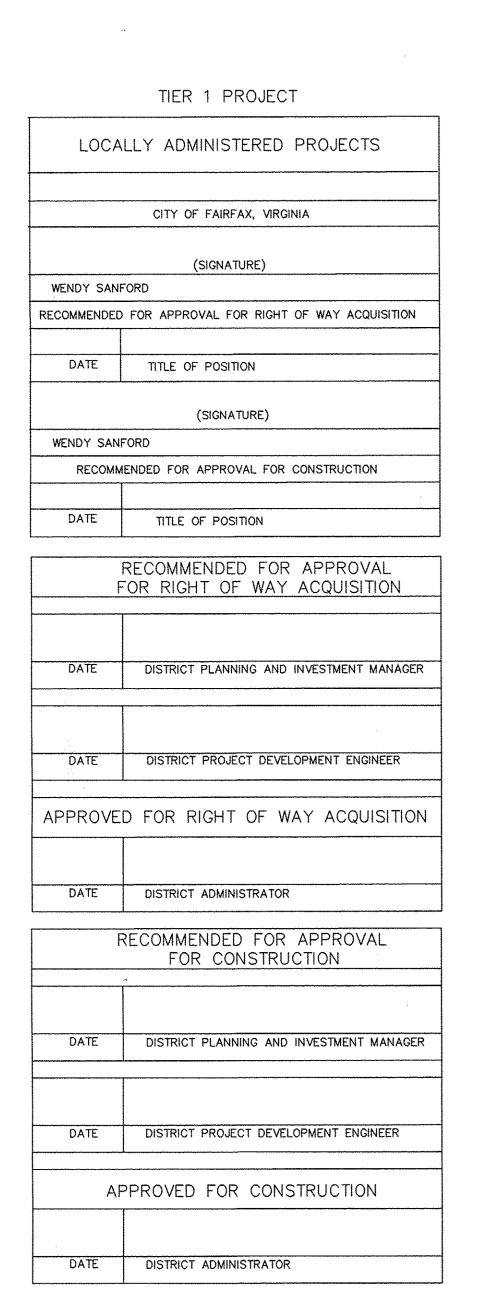
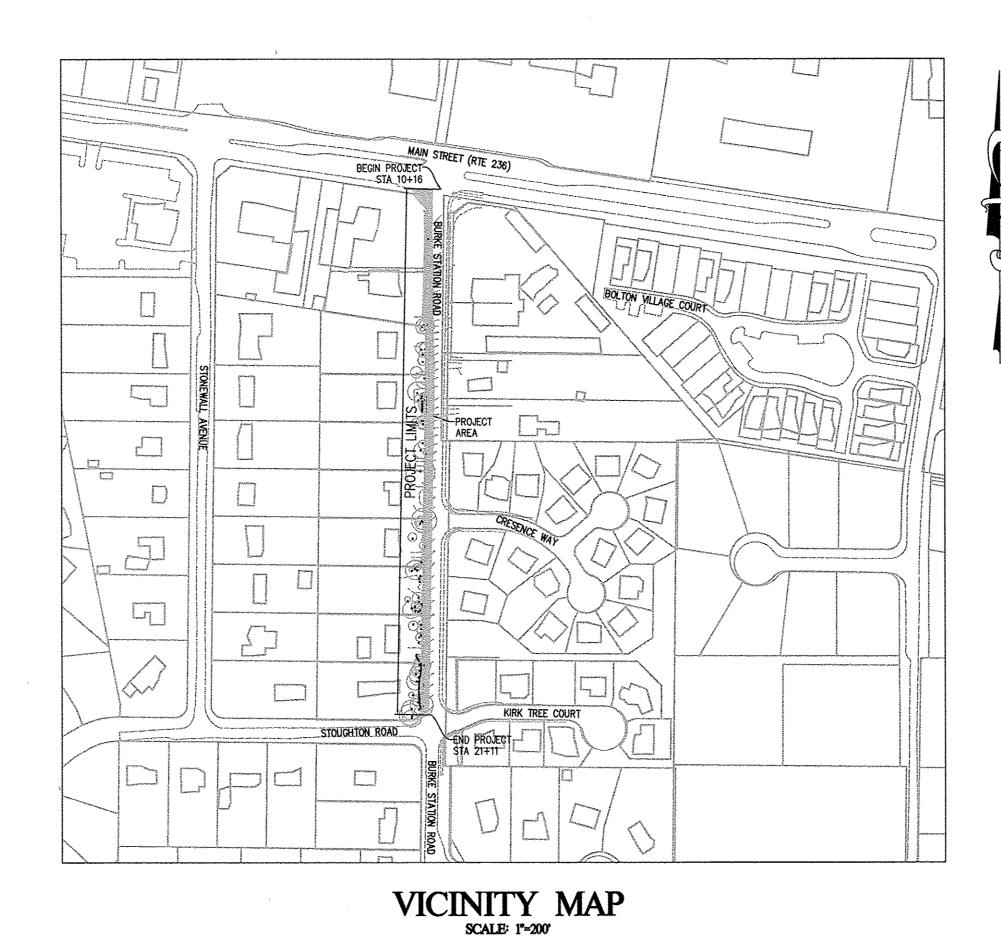
ROUTE 652 BURKE STATION ROAD STREETSCAPE IMPROVEMENTS

FROM ROUTE 236 (MAIN STREET) TO STOUGHTON ROAD LENGTH 0.21 MILES (1,095 FEET)





PROJECT DESCRIPTION

INSTALL CURB AND GUTTER, 5' GRASS STRIP, AND 5' CONCRETE SIDEWALK ALONG THE SOUTHBOUND LANE OF BURKE STATION ROAD. MILL AND OVERLAY BURKE STATION ROAD FROM MAIN STREET (RT 236) TO STOUGHTON ROAD.

BID ADDITIVE - MILL AND OVERLAY NORTHBOUND LANE OF BURKE STATION ROAD. MILL AND OVERLAY BURKE STATION ROAD FROM MAIN STREET (RT 236) TO STOUGHTON ROAD.

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3	UTILITY NOTES AND TYPICAL ROAD SECTIONS			
4	STANDARD LEGEND & EXISTING UTILITIES TABULATIONS			
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hantilly, Virginia 20151 hone: (703) 464-1000 ax: (703) 481-9720 ww.bowmanconsulting.com

BURKE STATION ROAD STREETSCAPE IMPROVEMENTS

PROJECT NUMBER

STONAL

PLAN STATUS

04/05/16 FINAL SUBMISSION

10/17/16 CONTRACT DOCUMENT

DATE DESCRIPTION

SB SB SD

DESIGN DRAWN CHKD

SCALE H: 1"=200'
V: N/A

JOB No. 6916-01-002

DATE: JUNE 2015

___ 1 ^{OF} 63

FILE No. 6916-D-CP-002

- 1. A STREET OPENING PERMIT IS REQUIRED FOR ANY WORK IN A CITY RIGHT-OF-WAY OR EASEMENT. THE PERMIT CAN BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT. FOR INFORMATION, CALL 703.385.7980 OR
- ALL SIDEWALKS, CURBS, GUTTERS, DRIVEWAYS, STREETS, STORM PIPES, SANITARY SEWER, ENDWALLS AND RIP-RAPS MUST BE INSPECTED BY THE CITY. ALL WORK IN THE CITY STREETS WILL BE PERFORMED MONDAY-FRIDAY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. NO WORK IS TO BE PERFORMED ON WEEKENDS OR HOLIDAYS UNLESS PRE-APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- 3. INSPECTIONS PERFORMED BY THE FACILITIES INSPECTOR WILL REQUIRE A FOUR-HOUR NOTICE PRIOR TO INSPECTIONS.

GENERAL STANDARDS

- 1. THE PUBLIC WORKS DIRECTOR MUST BE NOTIFIED ONE WEEK PRIOR TO PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITY AND ONE WEEK PRIOR TO FINAL INSPECTION. THE SITE PLAN COORDINATOR IN ZONING (703-385-7820) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.
- 2. A PRECONSTRUCTION MEETING WILL BE REQUIRED THREE DAYS PRIOR TO ANY CONSTRUCTION. CONTRACTORS WILL NOTIFY THE PUBLIC WORKS DEPARTMENT OR FACILITIES INSPECTOR FOR ALL WORK DONE ON SITE AND OFF SITE ONE DAY PRIOR TO STARTING.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR PARKING CONSTRUCTION EQUIPMENT AND PROVIDE EMPLOYEE PARKING ON SITE.
- 4. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF FAIRFAX STANDARDS, VIRGINIA DEPARTMENT OF TRANSPORTATION AND THE VIRGINIA SEDIMENT & EROSION CONTROL CURRENT SPECIFICATIONS, EXCEPT AS SHOWN OR ALTERED BY THESE PLANS.
- 5. TRAFFIC SIGNS FOUND TO BE IN THE WAY AT CONSTRUCTION SITES SHALL BE REMOVED OR RELOCATED ONLY BY PERSONNEL IN THE SIGN & SIGNAL CREW OF THE PUBLIC WORKS DEPARTMENT AT THE CONTRACTOR'S REQUEST. ANY CONTRACTOR FOUND RESPONSIBLE FOR MOVING CITY PROPERTY WITHOUT PERMISSION WILL RECEIVE A
- SUMMONS. ALL BUILDING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE. PERMITS AND INSPECTIONS FOR BUILDING, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION WORK ARE OBTAINED FROM THE OFFICE OF CODE ADMINISTRATION, 703.385.7830.
- PRIVATE FIRE MAINS REQUIRE A PERMIT FROM THE OFFICE OF CODE ADMINISTRATION. PERMIT APPLICATION MUST INCLUDE DETAILS OF INSTALLATION AS SPECIFIED IN NFPA-24. AN APPROVED SITE PLAN IS NOT A
- PERMIT TO INSTALL FIRE MAINS 8. NO PORTION OF ANY BUILDING SHALL BE OCCUPIED UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED BY THE BUILDING OFFICIAL AND A USE PERMIT BY THE ZONING OFFICE.
- NO BUILDING, EXCEPT ADDITIONS OR ACCESSORIES TO EXISTING DWELLINGS, SHALL PROCEED BEYOND FIRST FLOOR LEVEL UNTIL THE LOCATION OF THE FOOTING AND WALLS AS SHOWN ON A PLAT CERTIFIED BY A LAND SURVEYOR HAS BEEN APPROVED BY THE ZONING ADMINISTRATOR
- 10. AN AS-BUILT PLAN MUST BE SUBMITTED WITHIN 30 DAYS AFTER COMPLETION OF ALL CONSTRUCTION.
- 11. TEMPORARY STRUCTURES, CONSTRUCTION TRAILERS AND DEMOLITION REQUIRE PERMITS FROM THE OFFICE OF CODE ADMINISTRATION PRIOR TO START OF WORK OR INSTALLATION. 12. ADEQUATE EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. A HARD SURFACED, ALL-
- WEATHER ROADWAY SHALL BE PROVIDED TO WITHIN 50 FEET OF ALL STRUCTURES AND ANY LOCATION WHERE COMBUSTIBLE MATERIALS ARE STORED.
- 13. CITY ORDINANCE PERMITS CONSTRUCTION NOISE, INCLUDING EXCAVATION, BETWEEN THE HOURS OF 7:00 AM AND 6:00 PM ON WEEKDAYS AND 8:30 AM AND 5:00 PM ON SATURDAYS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO ENSURE THAT ALL CONTRACTORS AND SUBCONTRACTORS COMPLY WITH THIS ORDINANCE.
- 14. THE DEVELOPER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH CITY CODE SECTIONS LIMITING GROWTH OF GRASS AND WEEDS TO SIX INCHES IN HEIGHT.

CONSTRUCTION

- ALL SUBGRADE AND SUB-BASE MATERIAL SHALL BE COMPACTED TO 95% OF THEORETICAL MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-99 METHOD A WITHIN PLUS OR MINUS 20% OF OPTIMUM MOISTURE FOR THE FULL WIDTH OF ANY DEDICATED RIGHT-OF-WAY AND ALL TOWNHOUSE, APARTMENT, CONDOMINIUM, COMMERCIAL AND INDUSTRIAL PARKING LOTS INCLUDING STORM SEWER AND SANITARY SEWER).
- COMPACTION TEST SHALL BE PERFORMED BY THE CONTRACTOR. SUBGRADE FOR CURB, GUTTER AND SIDEWALK SHALL BE EVERY 50 FEET; SUB-BASE WILL BE ALTERNATED EVERY 25 FEET. DRIVEWAYS REQUIRE TWO TESTS ON SUBGRADE AND SUB-BASE. COPY OF RESULTS IS REQUIRED PRIOR TO PLACING ANY TYPE OF MATERIAL. VTM-1 CORRECTION ALSO MUST BE USED. ALL STRUCTURES REQUIRE TWO TESTS ON SUBGRADE AND SUB-BASE.
- COMPACTION TESTS FOR ROADWAYS SHALL BE PERFORMED BY THE CITY ONLY, UNLESS APPROVED BY THE PUBLIC WORKS DIRECTOR. COMPACTION TESTS FOR ALL BUILDING PADS MUST BE SUBMITTED TO THE OFFICE OF CODE ADMINISTRATION FOR REVIEW AND APPROVAL.
- 4. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE INSTALLED TO THE REQUIRED DISTANCE BEYOND THE RIGHT-OF-WAY.
- STORM SEWER AND CULVERT PIPE SHALL BE REINFORCED CONCRETE PIPE TO CONFORM TO THE CURRENT A.A.S.H.T.O. DESIGNATION M170, UNLESS OTHERWISE DESIGNATED ON THE PLANS. CLASS II PIPE IS PERMITTED BEYOND THE LIMITS OF STREET RIGHTS-OF-WAY. CLASS III PIPE IS REQUIRED WITHIN THE LIMITS OF THE RIGHTS-OF WAY.
- 6. ALL CURB AND GUTTER SHOWN ON PLANS AND NOT IN PROFILES SHALL BE ON STRAIGHT TANGENT GRADES. THE CONTRACTOR SHALL ROUND ALL VERTICAL BREAKS WITH SMOOTH SPLINE CURBS.
- 7. ALL PAVEMENT PLACED ON CITY RIGHT-OF-WAY SHALL HAVE A MIX DESIGN APPROVED PRIOR TO PLACING MATERIAL AND A DENSITY TEST PERFORMED DURING PLACEMENT.
- STREET SIGNS AND MARKINGS SHALL BE INSTALLED BY THE DEVELOPER AT ALL STREET INTERSECTIONS IN A LOCATION TO BE DETERMINED BY THE DIRECTOR OF PUBLIC WORKS. PRIVATE ACCESS WAYS AND ALLEYS SHALL BE CLEARLY DESIGNATED AS SUCH BY A SIGN AT EVERY ENTRANCE FROM A PUBLIC STREET, STATING "PRIVATE STREET, PRIVATELY OWNED AND PRIVATELY MAINTAINED". ALL STREET MARKINGS AND SIGNAGE WILL CONFORM TO CITY OF FAIRFAX STANDARDS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL, PER THE STREET SUPERINTENDENT.
- C.B.R. TEST IS REQUIRED FOR ACTUAL DETERMINATION OF REQUIRED SUB-BASE THICKNESS PRIOR TO CONSTRUCTION. DEPTH OF SUB-BASE IS BASED ON SUBGRADE C.B.R. VALUE OF 10. WHERE C.B.R. VALUE IS LESS THAN 10, ONE-INCH OF SUB-BASE OR BASE MATERIAL SHALL BE ADDED FOR EACH POINT BELOW 10 FOR ON-SITE AND OFF-SITE AND SHALL BE REVIEWED BY THE CITY OF FAIRFAX FOR SPECIAL DESIGN.
- 10. ALL CONSTRUCTION MUST COMPLY TO THE CODE OF VIRGINIA 36-98 AND 36-99 BY REFERENCE AS PART OF THE UNIFORM STATEWIDE BUILDING CODE OF VIRGINIA. THE FINAL FAIR HOUSING ACCESSIBILITY GUIDELINES (24CFR CHAPTER I) AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (28 CFR, PART 36) AS PER SITE AND RIGHT-OF-WAY WORK COMPLIANCE.
- 11. PROVIDE PROPER DISTANCE FROM BACK OF SIDEWALK TO BUILDING FOR STOOPS AND STEPS, AND THE LIKE.
- 12. ALL ROOFS, PAVED AREAS, YARDS, COURTS AND COURTYARDS SHALL BE DRAINED INTO A SEPARATE STORM SEWER OR A COMBINED SEWER SYSTEM.

ENVIRONMENTAL

- 1. ALL EROSION SILTATION CONTROL TO BE INSTALLED PRIOR TO STARTING PROJECT TO CONFORM TO THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL MANUAL.
- 2. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING THE CITY OF FAIRFAX RIGHTS-OF-WAY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND ALLAY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE ROAD IS MAINTAINED IN A CLEAN AND DUST-FREE CONDITION AT ALL TIMES.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE WORK IN SUCH A MANNER TO PREVENT THE

WASHING OF ANY TOPSOIL, SILT, OR DEBRIS ONTO ADJACENT PROPERTIES

- 4. IF THE PRESENCE OF ASBESTOS IS SUSPECTED IN THE SOIL, THE CONTRACTOR MUST CONTACT THE AIR POLLUTION CONTROL DIVISION OF THE FAIRFAX COUNTY HEALTH DEPARTMENT AT 703.246.2300.
- 5. ONSITE STORAGE OF FUEL SHALL BE LIMITED TO DIESEL FUEL TANKS NOT OVER 660 GALLONS CAPACITY. TANKS SHALL BE OF A LISTED TYPE AND SHALL BE PROVIDED WITH APPROVED SECONDARY CONTAINMENT, IMPACT PROTECTION AND PLACARDING. A MINIMUM 2A-40BC FIRE EXTINGUISHER SHALL BE PROVIDED IN THE VICINITY OF THE REFUELING AREA. A PERMIT FOR COMBUSTIBLE LIQUID STORAGE SHALL BE OBTAINED FROM THE OFFICE OF CODE ADMINISTRATION, 703.385.7830. FUEL SHALL NOT BE PLACED IN ONSITE STORAGE TANKS UNTIL THE INSTALLATION HAS BEEN INSPECTED AND APPROVED.
- 6. ONSITE REPAIR OF VEHICLES AND EQUIPMENT SHALL BE LIMITED TO REPLACEMENT OF DAMAGED BELTS, HOSES AND TIRES. ANY SPILL OF FUEL, OIL, HYDRAULIC FLUID OR ANTI-FREEZE GREATER THAN ONE GALLON MUST BE REPORTED TO THE OFFICE OF CODE ADMINISTRATION AT 703.385.7830. ALL SPILLS MUST BE CLEANED UP PROMPTLY AND IN AN APPROVED MANNER.
- 7. THE OWNER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH CITY CODE SECTIONS REGARDING HEALTH AND SAFETY MENACES, INCLUDING ACCUMULATIONS OF WATER, STORAGE OF MATERIAL, CONSTRUCTION DEBRIS AND SECURITY OF THE SITE.
- 8. THE LINK TO THE ASBESTOS INFORMATION AND MAP ON THE FAIRFAX COUNTY WEBSITE HTTP: //WWW.FAIRFAXCOUNTY.GOV/HD/ASB/
- 9. PRIOR TO THE START OF ANY SITE GRADING WORK, THE DEVELOPER OR OWNER SHALL OBTAIN A VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) PERMIT FROM THE CITY OF FAIRFAX. THE VSMP PERMIT REQUIRES THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.

LANDSCAPE

- 1. THE AREA SURROUNDING ALL TREES, SHRUBS AND GROUNDCOVER SHALL BE TOPPED WITH TWO INCHES OF SHREDDED HARDWOOD BARK MULCH.
- NO CHANGES SHALL BE PERMITTED TO THE PLANT LIST UNLESS APPROVED BY THE CITY OF FAIRFAX.
- TREES SHALL BE CLASSIFIED AS PER "AMERICAN STANDARD FOR NURSERY STOCK" AS ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANT MATERIAL BELOW THIS STANDARD SHALL NOT BE
 - A) ALL PLANTS MUST CONFORM TO REQUIREMENTS PER PLANT LIST;
- B) ALL PLANT MATERIALS MUST BE NURSERY GROWN STOCK;
- C) ALL TREES MUST BE WELL BRANCHED, FULL CROWN.
- 4. AT LEAST 5 DAYS BEFORE BEING PLANTED, THE SITE PLAN COORDINATOR SHALL BE NOTIFIED THAT PLANTS ARE AVAILABLE FOR INSPECTION.
- 5. NO PERSON SHALL REMOVE OR DESTROY ANY TREE WHICH IS FIVE (5) INCHES OR GREATER IN CALIPER, MEASURED SIX (6) INCHES ABOVE GROUND LEVEL, ON ANY LOT GREATER THAN ONE-HALF (1/2) ACRE WITHOUT FIRST OBTAINING A TREE REMOVAL PERMIT FROM THE ZONING ADMINISTRATOR. ANY TREE REMOVED, DAMAGED OR DESTROYED WILL BE REPLACED AT THE DISCRETION OF THE ZONING ADMINISTRATOR.

DEPARTMENT OF PUBLIC WORKS SANITARY SEWER STANDARD NOTES GENERAL

- 1. ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY OF FAIRFAX STANDARDS AND SPECIFICATIONS.
- 2. EASEMENTS FOR ALL SANITARY SHALL BE 10' UNLESS OTHERWISE NOTED.
- SANITARY SEWERS AND WATER MAINS SHALL MAINTAIN A MINIMUM OF 15' HORIZONTAL SEPARATION FROM PROPOSED OR EXISTING BUILDINGS.
- 4. NO LANDSCAPING OR OTHER UTILITIES (I.E. GAS, PHONE, CABLE, ETC.) ARE PERMITTED IN THE SEWER EASEMENTS, EXCEPT AT CROSSINGS.
- CONTRACTOR SHALL REQUEST PRE-CONSTRUCTION MEETING AND INSPECTION BY THE CITY OF FAIRFAX DEPARTMENT OF PUBLIC WORKS (703.385.7810) THREE DAYS PRIOR TO COMMENCING CONSTRUCTION OF ANY SEWER MAINS.
- A PERMIT FOR INSTALLATION OF SANITARY SEWERS AND FIRE HYDRANTS SHALL BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS.
- SEWER LATERALS NOT WITHIN AN EASEMENT REQUIRE PLUMBING PERMITS AND INSPECTIONS FROM THE OFFICE OF CODE ADMINISTRATION. THE INCLUSION OF THESE ITEMS DOES NOT CONSTITUTE A PERMIT.

SANITARY SEWER:

- SANITARY SEWERS SHALL BE PVC DR-25 PER AWWA C-900, UNLESS OTHERWISE NOTED
- SANITARY SEWER LATERALS SHALL BE 4" PVC DR-25 BETWEEN THE MAIN AND THE PROPERTY LINE AND SHALL ENTER THE MAIN AT 90 DEGREES. A CLEANOUT SHALL BE INSTALLED AT THE PROPERTY LINE.
- A 2" DETECTABLE METAL MARKING TAPE SHALL BE PLACED 3-FEET ABOVE ALL SANITARY SEWERS.
- THE DEPARTMENT OF PUBLIC WORKS SHALL INSPECT SANITARY SEWERS BY A CAMERA AFTER THE LINES ARE PUT IN SERVICE.
- FINISH GRADE SHALL DRAIN AWAY FROM MANHOLES LOCATED OUTSIDE OF PAVEMENT AREAS. TOP OF MANHOLES LOCATED OUTSIDE OF PAVEMENT AREAS SHALL BE 3" ABOVE FINAL GRADE, EXCEPT IN ESTABLISHED LAWNS WHERE IT SHALL MATCH THE FINAL GRADE.
- MANHOLES SHALL HAVE BITUMINOUS COATING ON THE OUTSIDE WALLS.
- ALL SANITARY MANHOLE LIDS SHALL BE HEAVY DUTY AND SHALL HAVE THE WORDS "FAIRFAX CITY SEWER" CAST IN THEM.
- 9. DROP MANHOLES SHALL HAVE AN 8" INSIDE DROP PIPE.
- 10. MANHOLES IN 100 YR. FLOOD PLAIN SHALL HAVE WATERTIGHT LIDS.
- 11. ALL TESTING IS PROVIDED BY THE CONTRACTOR, AS DIRECTED BY THE CITY INSPECTOR.

SOURCES OF INFORMATION:

- 1. THE TOPOGRAPHY AND SITE SURVEY INFORMATION USED FOR THIS PROJECT WAS PROVIDED BY RK&K AT THE REQUEST OF THE CITY OF FAIRFAX CIRCA 2014. BOWMAN CONSULTING GROUP PERFORMED FIELD CHECKS TO VERIFY RELATIVE ACCURACY OF PROVIDED INFORMATION. 2. UTILITY INFORMATION USED FOR THIS PROJECT IS THE RESULT OF INFORMATION PROVIDED BY THE CLIENT, FIELD SURVEYS BY BOWMAN
- CONSULTING GROUP, LTD AND UTILITY LOCATION AND SURVEYS BY INSIGHT, LLC. DOWNSTREAM STORM SEWER INFORMATION WAS PROVIDED BY THE CITY OF FAIRFAX.
- 4. PROPERTY BOUNDARIES AND RIGHT-OF-WAY DATA WAS TAKEN FROM CITY OF FAIRFAX GIS AND FAIRFAX COUNTY GIS.
- **BOWMAN CONSULTING GROUP TAKES NO LIABILITY FOR ANY DISCREPANCIES OR INACCURACIES REGARDING INFORMATION PRODUCED BY OTHER PARTIES NOT UNDER BINDING CONTRACT WITH OR LEGAL OBLIGATION TO PROVIDE SUCH DATA**

APPLICABLE CODES AND REFERENCES:

- 1. CITY OF FAIRFAX PUBLIC FACILITIES MANUAL (PFM) CURRENT EDITION
- 2. VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) STANDARDS AND SPECIFICATIONS CURRENT EDITION
- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION
- 4. ADA ACCESSIBILITY GUIDELINES (ADAAG) CURRENT EDITION 5. FAIRFAX WATER STANDARDS AND SPECIFICATIONS — CURRENT EDITION
- **THE MOST RECENT PUBLICATION/REVISION DATE OF APPLICABLE CODES AND REFERENCES MUST BE USED. ADDITIONAL CODES AND REFERENCES MAY BE APPLICABLE TO THE SUBJECT PROJECT. EXCLUSION FROM THE LIST ABOVE DOES NOT ALLEVIATE THE CONTRACTOR FROM ANY OTHER LAWS, REGULATIONS, CODES, OR REFERENCES APPLICABLE TO THIS PROJECT.**

RESIDENTIAL NOTES

- NO BUILDING SHALL PROCEED BEYOND THE FIRST FLOOR LEVEL UNTIL THE HORIZONTAL LOCATION AND ELEVATION OF THE TOP OF EACH FOUNDATION WALL AS SHOWN BY CERTIFIED SURVEYOR'S PLAT THEREOF, HAS
- BEEN APPROVED BY THE ZONING ADMINISTRATOR. 2. IT SHALL BE THE DEVELOPERS AND/OR OWNERS RESPONSIBILITY TO PERFORM THE WORK IN SUCH A MANNER TO
 - PREVENT THE WASHING OF TOPSOIL, SILT, OR DEBRIS ONTO ADJACENT PROPERTIES IT SHALL BE UNLAWFUL FOR ANY PERSON TO ENGAGE IN LAND DISTURBING ACTIVITIES OF TWO THOUSAND FIVE
- HUNDRED (2,500) SQUARE FEET OR MORE FOR ANY PURPOSE UNTIL A PERMIT IS ISSUED BY THE PLAN-APPROVING AUTHORITY.
- 4. ALL EROSION CONTROL TO BE INSTALLED PRIOR TO STARTING PROJECT TO CONFORM TO THE CURRENT VIRGINIA EROSION CONTROL MANUAL.
- 5. A STREET OPENING PERMIT IS REQUIRED FOR ANY WORK IN THE CITY RIGHT-OF-WAY OR EASEMENT. THE PERMIT CAN BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT. FOR INFORMATION CALL 703-385-7983 OR
- 6. ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH CITY AND APPLICABLE UTILITY COMPANY STANDARDS.
- NO PORTION OF THE BUILDING SHALL BE OCCUPIED UNTIL A RESIDENTIAL USE PERMIT HAS BEEN ISSUED BY THE ZONING ADMINISTRATOR.
- THE DEVELOPER SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR EQUIPMENT PRIOR TO ENTERING THE CITY OF FAIRFAX RIGHTS-OF-WAY. IT IS THE DEVELOPERS RESPONSIBILITY TO CLEAN STREETS AND TO TAKE MEASURES NECESSARY TO ENSURE THAT THE ROAD IS MAINTAINED IN CLEAN AND DUST-FREE CONDITION AT ALL TIMES.
- THE DEVELOPER SHALL PROVIDE FOR ADEQUATE STORM DRAINAGE SO THAT THE PROPOSED IMPROVEMENT OF THE PROPERTY DOES NOT DIRECT CONCENTRATED FLOW TO ADJOINING PROPERTIES. THE DRAINAGE SHALL BE APPROVED BY THE CITY BUILDING INSPECTOR AND FACILITIES INSPECTOR PRIOR TO ISSUING THE OCCUPANCY
- 10. EACH DEVELOPMENT SHALL PROVIDE FOR THE PLANTING OR RETENTION OF TREES ON THE SITE TO THE EXTENT THAT, AT A MATURITY OF TEN YEARS, THE MINIMUM LOT COVERAGE SHALL BE TWENTY (20) PERCENT FOR A SITE ZONED R-2, R-3, RT-6, RT OR ANY OTHER RESIDENTIAL SITE ZONED THREE (3) TO TEN (10) UNITS PER
- 11. ANY APPLICATION PROPOSING TO REMOVE OR DESTROY EXISTING TREES IN CONJUNCTION WITH ANY LAND DEVELOPMENT ACTIVITY SHALL SUBMIT A TREE MANAGEMENT PLAN CONTAINING SUCH INFORMATION AS DEEMED
- NECESSARY BY THE ZONING ADMINISTRATOR (SEC. 110-252) 12. ALL DRIVEWAYS AND/OR ENTRANCES IMPACTED IN PART OR IN WHOLE BY CONSTRUCTION ASSOCIATED WITH THIS PROPOSED PLAN MUST BE REBUILT AND/OR RESTORED USING MATERIALS CONSISTENT WITH ITS CURRENT
- 13. ALL MAILBOXES IMPACTED BY THE PROPOSED CONSTRUCTION MUST BE CAREFULLY REMOVED AND RELOCATED AS INDICATED ON THE PLAN. ALL MAILBOXES MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THIS
- 14. ALL DRIVEWAYS AND ENTRANCES MUST REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE PROJECT. TEMPORARY CLOSURE MAY BE REQUESTED, HOWEVER, IT IS UP THE DISCRETION OF THE CITY OF FAIRFAX WHETHER TO APPROVE THE REQUESTED CLOSURE. ANY TEMPORARY CLOSURE MUST BE SHOWN IN THE PROPOSED PROJECT SCHEDULE AND PROVIDED PRIOR TO THE CONSTRUCTION COMMENCEMENT

MISS UTILITY 1-800-552-7001 OR 811

PRIMARY UTILITY COMPANIES

PRIMARY UTILITY COMPANIES

AMERICAN TELEPHONE & TELEGRAPH CO. COLUMBIA GAS OF VIRGINIA COLUMBIA GAS TRANSMISSION CORP. COLONIAL PIPELINE CO. COX COMMUNICATIONS

DOMINION VIRGINIA POWER FAIRFAX WATER FAIRFAX CO. WASTEWATER COLLECTION DIVISION FAIRFAX COUNTY PUBLIC SAFETY

MCI. INTERNATIONAL MCI. WORLD METROPOLITAN FIBER SYSTEMS NORTHERN VIRGINIA ELEC. CO-OP TRANSCO GAS PIPELINE CO. TOWN OF HERNDON PUBLIC WORKS TOWN OF VIENNA WATER SERVICE SPRINT (GLOBAL ONE)

SMART TRAFFIC SIGNAL SYSTEM VERIZON (BELL ATLANTIC) VERIZON SOUTH WASHINGTON GAS

1-800-241-3624 1-800-543-8911 - (703) 631-5363 (METRO) 1-800-835-7191 (24 HRS)

1-800-926-2728 (703) 313-6527 OR (703) 313-6531 (703) 591 - 2606

EMERGENCY

(703) 698-5600 (703) 323-1211 (703)-691-2131 OR 911

1-800-852-6700 1-972-656-5474 1-800-624-9675

(703) 852-6700 (703) 335-0500

1-800-440-8475 (24 HRS) (703) 435-6860 STATION 185 (703) 368-3255 (703) 255-6381 AFTER 5:00 PM., (703) 255-6385

(703) 750-1000 (GAS LEAK (703) 750-4831)

1-800-521-0579 (24 HRS) (703) - 383 - 27901-800-275-2355 - (703) 954-2222 (24 HRS) 1-800-745-1944 (EMERGENCY REPAIR)

FIBER OPTIC COMPANIES	EMERGENCY
Abovenet Communications Comcast Communications in Alexandria Cavalier Telephone Company Comcast Communications in Reston Cox Communications Fiber Division Dominion Telecom Level 3 Communications, LLC Looking Glass Network, Inc. Verizon Business (Formerly MCI) Verizon South Quest Government Services	1-888-636-2778 1-888-662-5700 (AFTER HOURS 703-841-7700)
Sprint Star Power Communications AT&T XO Communications YIPES Communication, Inc Xspedius Communications Fiberlight, LCC Fibergate	1-800-521-0579 1-888-634-1840 (PAGER) 1-866-295-9696 1-877-740-6600 1-800-627-0181; 1-800-937-7473 1-800-672-0181 703-822-9740

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PROJECT NUMBER MEALTH OF STALA SBRADLEY GLATFELTER Lic. No. 50992 10/17/2016

PLAN STATUS

04/05/16 FINAL SUBMISSION

/17/16 CONTRACT DOCUMEN DATE DESCRIPTION SB DESIGN | DRAWN | CHKD JOB No. 6916-01-002 DATE: JUNE 2015 FILE No. 6916-D-CP-002

OF

Cad file name: P:\6916 - City of Fairfax On-Call\6916-01-002 (ENG) - Burke Station Road\Engineering\Engineering Plans\6916-D-CP-002-NTS.dwg

EXISTING UTILITIES

THE UTILITY INFORMATION SHOWN ON THESE PLANS IS TAKEN FROM AVAILABLE RECORD AND IN SOME CASES INFORMATION PROVIDED BY AN UNDERGROUND UTILITY DESIGNATING AND LOCATING COMPANY. THIS DOES NOT GUARANTEE THAT THE UTILITY INFORMATION SHOWN ON THE PLANS IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST VERIFY THE UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN IN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.

ALL EXISTING UNDERGROUND UTILITIES IN THE VICINITY OF PROPOSED IMPROVEMENTS/CONSTRUCTION, SHALL BE MARKED IN THE FIELD BY MISS UTILITY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING THE FIELD MARKING OF UTILITIES WITH "MISS UTILITY".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EXISTING UTILITIES ARE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS WITHIN THE LIMITS OF CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS INDICATED ON THE CONSTRUCTION PLANS.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED CONSTRUCTION, EXCAVATION OR BLASTING AT LEAST 3 WORKING DAYS, BUT NOT MORE THAN 10 WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION IN ACCORDANCE WITH THE CODE OF THE CITY OF FAIRFAX. NAMES AND TELEPHONE NUMBERS OF THE VARIOUS OPERATORS OF UNDERGROUND UTILITY LINES IN THE CITY OF FAIRFAX APPEAR ON SHEET 2. THESE NUMBERS WILL ALSO BE USED TO SERVE EMERGENCY CONDITION NOTICE AS REQUIRED BY THE CODE OF THE CITY OF FAIRFAX.

THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 1-800-552-7001, UTILITY COMPANY REPRESENTATIVES, PERFORM TEST PITS, REVIEW CURRENT TEST PIT DATA, AND WHATEVER OTHER OPERATIONS AVAILABLE TO INSURE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES IN THE AREA OF CONSTRUCTION.

MISS UTILITY

CALL "MISS UTILITY" AT 1-800-552-7001 OR DIAL 811, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE UTILITY COMPANY AND CITY OF FAIRFAX.

GENERAL UTILITY NOTES

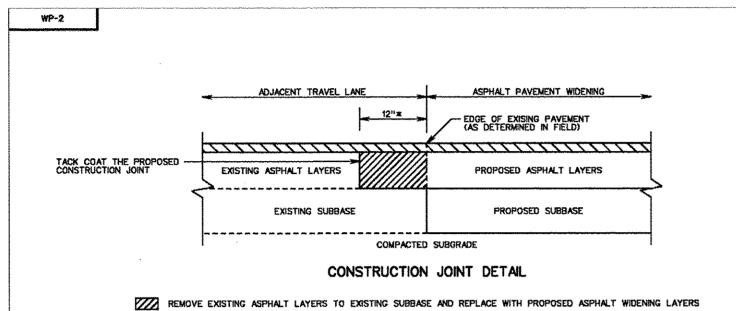
COMPACTION OF BACKFILL IN UTILITY TRENCHES SHALL BE IN ACCORDANCE WITH CITY OF FAIFAX AND/OR VDOT STANDARDS & SPECIFICATIONS.

ALL UTILITIES NOTED TO BE RELOCATED OR REMOVED SHALL BE AT THE DEVELOPERS EXPENSE, TO INCLUDE ALL POLES AND STRUCTURES AS REQUIRED. ALL POLES REQUIRED TO BE RELOCATED MUST BE MOVED PRIOR TO CONSTRUCTION.

- ALL UTILITIES WHICH WILL BE PLACED UNDER EXISTING STREETS WILL BORED AND JACKED, UNLESS OTHERWISE ALLOWED IN WRITING BY JURISDICTION HAVING AUTHORITY OVER STREET.
- EXISTING MANHOLE FRAMES AND COVERS AND VALVE BOXES AND COVERS SHALL BE ADJUSTED OR RECONSTUCTED, AS NECESSARY, TO MATCH FINISHED GRADES,
- WHILE THIS PLAN MAY SHOW THE APPROXIMATE REALIGNMENT OF ELECTRIC, GAS, COMMUNICATIONS AND DATA LINES, DETAILED CONSTRUCTION DRAWINGS AND SPECIFICATIONS WILL BE GENERATED FOR THOSE IMPROVEMENTS BY RESPECTIVE UTILITY COMPANIES.

PAVEMENT STRUCTURE AND CORING NOTE

- 1. PAVEMENT CORES OF THE EXISTING PAVEMENT WILL BE REQUIRED TO VERIFY THE EXISTING PAVEMENT STRUCTURE IN ORDER FOR THE ENGINEER TO DEVELOP APPROPRIATE PAVEMENT RECOMMENDATIONS.
- 2. REFER TO VDOT SPECIFICATIONS FOR FREQUENCY AND TESTING REQUIREMENTS.
- 3. ALL PAVEMENT AND SOIL BORING RESULTS MUST BE REPORTED TO THE ENGINEER TO ENSURE THAT THE APPROPRIATE PAVEMENT DESIGN IS RECOMMENDED.
- 4. PROPOSED PAVEMENT CROSS-SECTION IS AS FOLLOWS (COLLECTOR ROAD):
- 2.0" BITUMINOUS CONCRETE SURFACE MIX (SM-9.5A) 4.0" BITUMINOUS CONCRETE BASE MIX (BM-25.0
- 8.0" AGGREGATE BASE (NO. 21A) APPROVED SUB-BASE PER VDOT SPECIFICATIONS
- 5. CONTRACTOR TO MILL TO A DEPTH OF NO LESS THAN 13" AND RESURFACE PER VDOT AND CITY OF FAIRFAX STANDARDS AND SPECIFICATIONS USING BITUMINOUS CONCRETE SURFACE MIX (SM-9.5A) TO MATCH EXISTING SURFACE ELEVATION AND SLOPE.
- **FINAL PAVEMENT CROSS-SECTION SHALL BE AT A MINIMUM EQUAL TO THE EXISTING PAVEMENT CROSS-SECTION.**

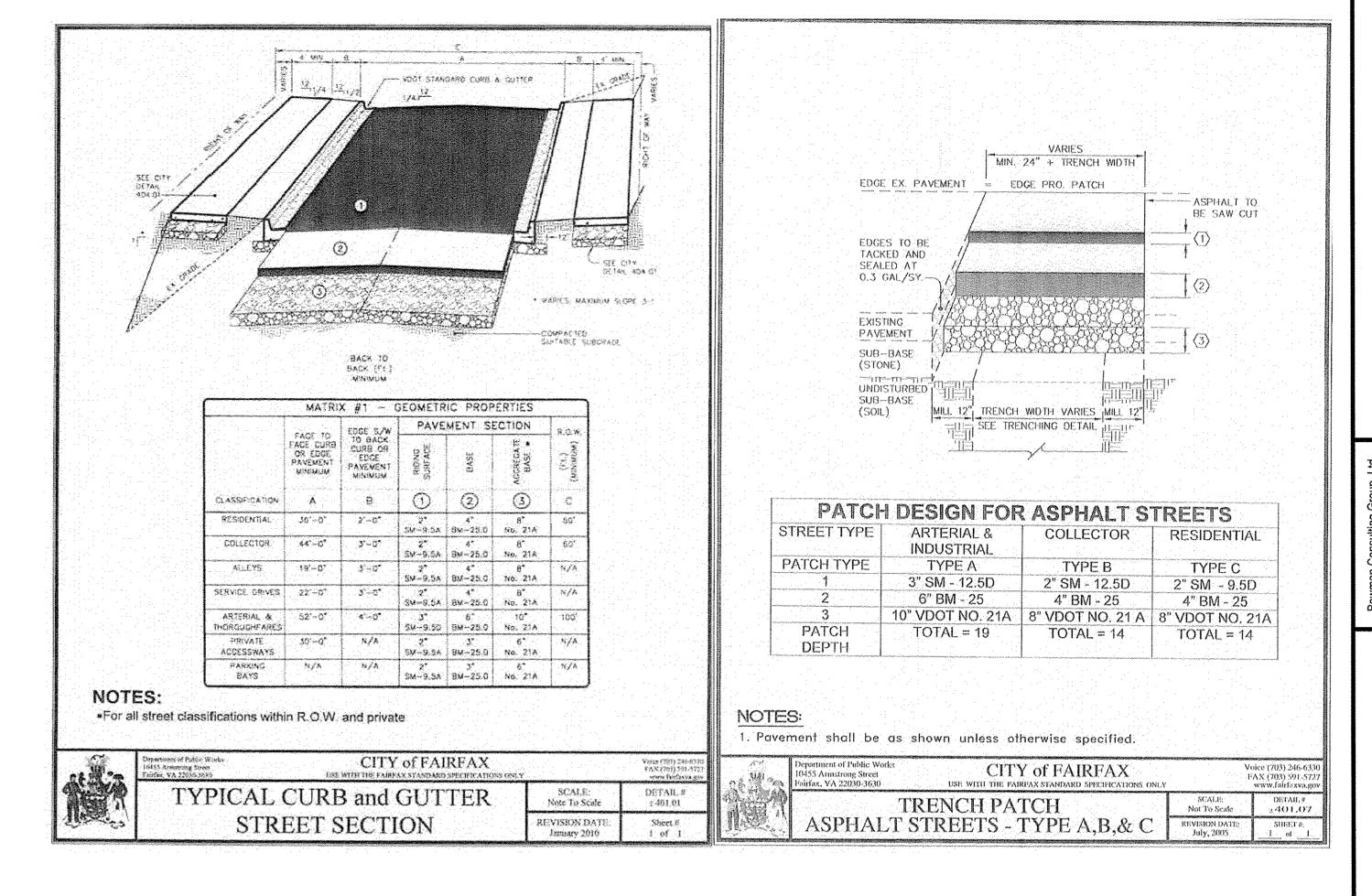


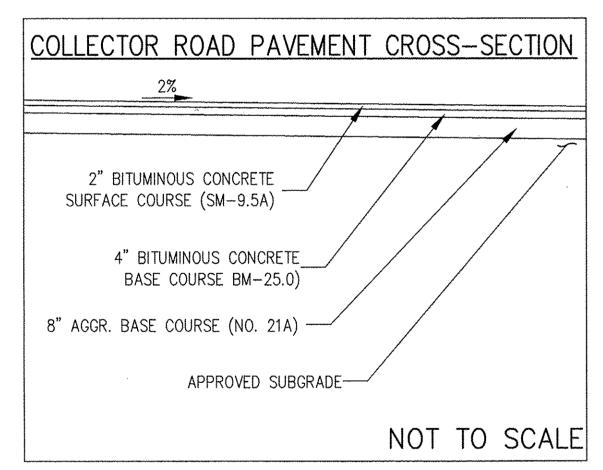
PROPOSED MINIMUM 11/2 INCH THICK ASPHALT SURFACE COURSE (SEE NOTE 5) MINIMUM 12 INCHES, OR GREATER AS NECESSARY TO ABUT THE FULL THICKNESS OF EXISTING ASPHALT LAYERS AS DETERMINED BY CORES (SEE NOTE 3)

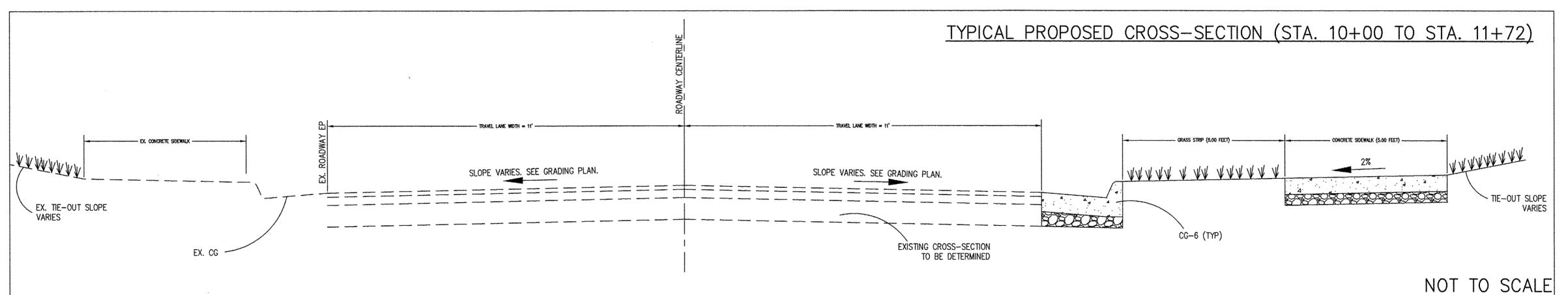
- 1. ASPHALT PAVEMENT WIDENING SHALL HAVE A PAVEMENT DESIGN IN ACCORDANCE WITH CURRENT VDOT PROCEDURES AND BE APPROVED BY THE ENGINEER
- 3. A MINIMUM OF THREE CORES SHALL BE TAKEN ALONG THE CENTER OF THE ADJACENT TRAVEL LANE TO DETERMINE THE TYPE AND THICKNESS OF EXISTING PAVEMENT LAYERS. THESE CORES SHALL BE SPACED NO MORE THAN 500 FEET APART.
- 4. THE ADJACENT TRAVEL LANE SHALL BE MILLED A MINIMUM DEPTH OF 1 1/2 INCHES AND REPLACED WITH AN ASPHALT SURFACE COURSE TO MATCH THE PROPOSED PAVEMENT WIDENING SURFACE COURSE. UNLESS WAIVED BY THE ENGINEER.
- 5. THE ENGINEER MAY REQUIRE THE MILLING DEPTH OF THE EXISTING PAVEMENT TO BE ADJUSTED TO ACHIEVE AN ACCEPTABLE PAVEMENT CROSS-SLOPE AND EFFECTIVE SURFACE DRANAGE. 6. EXISTING PAVEMENT MARKINGS AND MARKERS WITHIN THE PROJECT LIMITS SHALL BE RESTORED SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. FINAL TRANSVERSE PAVEMENT TIE-IN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 315.05(a) OF THE SPECIFICATIONS EXCEPT THAT ALL JOINTS AT TIE-IN LOCATIONS SHALL BE TESTED USING A 10 FOOT STRAIGHTEDGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 315.07(a) OF THE SPECIFICATIONS

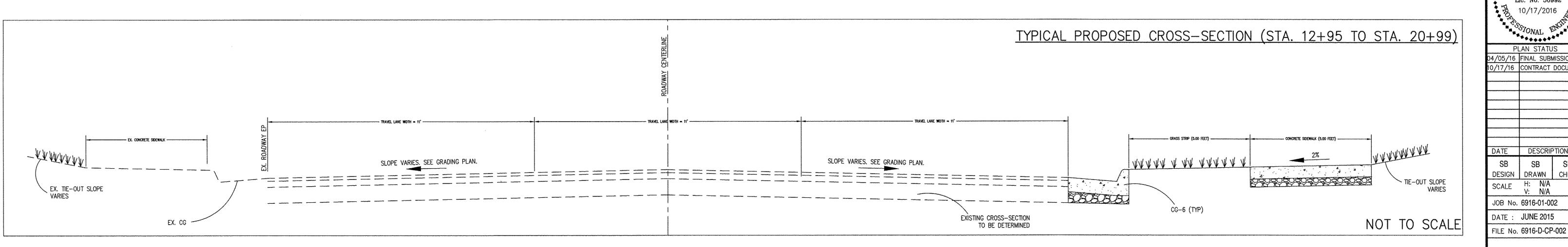
		,	
VOCT		ASPHALT PAVEMENT WIDENING	SPECIFICATION REFERENCE
	ROAD AND BRIDGE STANDARDS SHEET 1 OF 1 REVISION DATE	FOR WIDENING SUBJECT TO TRAFFIC	~~~
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VIRGINIA DEPARTMENT OF TRANSPORTATION









315

SECTIONS AD OP BURKE STA STREETSCAPE FFAIRFAX UTILITY NOTES AND T

PROJECT NUMBER

S

14/05/16 FINAL SUBMISSION 0/17/16 CONTRACT DOCUMEN DATE DESCRIPTION DESIGN DRAWN CHKD SCALE H: N/A V: N/A JOB No. 6916-01-002

STORM SEWER

- TOP = 400.78
 15" RCP INV. IN = 392.73 (FROM N.W.)

 18" RCP INV. IN = 387.98 (FROM S.E.)

 48" RCP INV. IN = 387.18 (FROM STR 2)
- GRATE INLET
 TOP = 400.60

 15" RCP INV. IN = 397.30 (FROM STR 5)
 15" RCP INV. IN = 395.80 (FROM STR 3)
 48" RCP INV. IN = 392.90 (FROM STR 6)
 48" RCP INV. OUT = 392.30 (TO STR 1)

48" RCP INV. OUT = 385.78 (TO N.E.)

- 3 CURB DROP INLET
 TOP = 401.44
 12" RCP INV. IN = 397.14 (FROM STR 4)
 15" RCP INV. OUT = 396.44 (TO STR 2) **** APPROX. 10' TO ANGLE POINT****
- GRATE INLET
 TOP = 400.35
 12" RCP INV. OUT = 397.35 (TO STR 3)
- 5 STORM MANHOLE
 TOP = 413.90
 15" CMP INV. IN = 411.15 (FROM WEST.)
 15" RCP INV. OUT = 408.70 (TO STR 2)
- 6 STORM MANHOLE
 TOP = 401.02
 18" RCP INV. IN = 396.22 (FROM STR 7)
 24" RCP INV. IN = 395.52 (FROM STR 9)
 24" RCP INV. IN = 396.62 (FROM STR 8)
 48" RCP INV. OUT = 394.02 (TO STR 2)
- CURB DROP INLET
 TOP = 410.98

 24" RCP (PIPE IS HALF FULL OF CONC. SLAG.)
 INV. IN (TOP OF SLAG) = 407.28 (FROM WEST)

 18" RCP INV. OUT = 406.78 (TO STR 6)
 (PIPE SIZES WERE FIELD VERIFIED)
- 8 GRATE INLET TOP = 408.11 18" CMP INV. IN = 405.46 (FROM S.E.) 24" RCP INV. OUT = 405.36 (TO STR 6)
- 9 CURB DROP INLET TOP = 400.71 12" RCP INV. IN = 396.81 (FROM STR 10) 24" RCP INV. IN = 396.36 (FROM STR 11) 24" RCP INV. OUT = 396.01 (TO STR 6)
- CURB DROP INLET
 TOP = 400.27
 12" RCP INV. OUT = 396.97 (TO STR 9)
- GRATE INLET
 TOP = 399.90

 15" CMP INV. IN = 397.00 (FROM STR 12)
 24" RCP INV. IN = 397.00 (FROM STR 15)
 24" RCP INV. OUT = 396.90 (TO STR 9)
- TOP = 401.04
 3.2"W X 0.6'T COVERED CONCRETE CHANNEL INV. IN = 398.34 (FROM STR 13)
 15" CMP INV. IN = 397.79 (FROM STR 14)
 15" CMP INV. OUT = 397.69 (TO STR 11)
- CURB DROP INLET
 TOP = 401.71
 3.2"W X 0.6'T COVERED CONCRETE CHANNEL INV. OUT = 399.06 (TO STR 12)
- 15" CMP INV. OUT = 403.59 (TO STR 12)
- GRATE INLET
 TOP = 400.03

 1.16"W X 1.92'T ELLIPTICAL RCP INV. IN = 397.78 (FROM STR 16)

 1.16"W X 1.92'T ELLIPTICAL RCP INV. IN = 397.48 (FROM STR 17)

 24" RCP INV. OUT = 397.23 (TO STR 11)
- STORM MANHOLE
 TOP = 404.29

 15" HDPE INV. IN = 402.54 (FROM S.E.)

 15" RCP INV. IN = 400.24 (FROM EAST)

 2.3"W X 1.5'T COVERED CONCRETE CHANNEL INV. IN = 400.64 (FROM NORTH)

 1.16"W X 1.92'T ELLIPTICAL RCP INV. OUT = 400.04 (TO STR 15)
- CURB DROP INLET
 TOP = 401.04
 15" RCP INV. IN = 398.64 (FROM STR 18)
 1.16"W X 1.92'T-ELLIPTICAL RCP INV. OUT = 398.54 (TO STR 15)

 (CONTINUED ON PAGE 2)

STORM SEWER

(CONTINUED)

- STORM MANHOLE
 TOP = 404.10
 6" PVC INV. IN = 401.80 (FROM STR 19) ****0.5' TO ANGLE POINT****
 15" RCP INV. IN = 401.05 (FROM 20)
 15" RCP INV. OUT = 400.90 (TO STR 17)
- TOP = 405.64
 (3) 3" CLAY INV. IN = 404.24 (FROM EAST)
 6" PVC INV. OUT = 403.44 (TO STR 18)
- CURB DROP INLET
 TOP = 406.39
 15" RCP INV. IN = 401.54 (FROM STR 21)
 15" RCP INV. OUT = 401.34 (TO STR 18)
- CURB DROP INLET.

 TOP = 411.18

 15" HDPE INV. IN = 408.68 (ORIGIN NOT FOUND, PIPE CHANGES TO 12" CMP 5' FROM STR)

 15" CMP INV. IN = 406.68 (FROM STR 22)

 15" RCP INV. OUT = 405.68 (TO STR 20)
- GRATE INLET
 TOP = 414.43
 15" CMP INV. OUT = 412.08 (TO STR 21)
- STORM MANHOLE
 TOP = 402.57

 15" RCP INV. IN = 397.02 (FROM STR 24)

 1.33"W X 1.00'T ELLIPTICAL CMP INV. IN = 400.32 (FROM N.E.)

 18" RCP INV. OUT = 397.02 (TO WEST)
- CURB DROP INLET
 TOP = 403.28

 15" RCP INV. IN = 397.03 (FROM STR 25)
 15" RCP INV. OUT = 396.93 (TO STR 23)
 (STRUCTURE IS SURCHARGED)
- GRATE INLET TOP = 399.63 15" RCP INV. OUT = 397.33 (TO STR 24)
- 26) 12" CMP INV. OUT = 413.83 (FROM INV. 27)
- 27) 12" CMP INV. IN = 414.98 (TO INV. 26)
- YARD DRAIN INLET
 TOP = 418.84

 18" RCP INV. IN = 416.34 (FROM STR 29)
 2.25'W X 0.75'T SLOT INV. IN = 417.64 (FROM SOUTH)
 1.84'W X 1.33'T SLOT INV. OUT = 416.24 (TO NORTH)
- STORM MANHOLE
 TOP = 420.13

 18" RCP INV. IN = 417.08 (FROM STR 30)
 18" RCP INV. IN = 417.03 (FROM STR 31)
 18" RCP INV. OUT = 416.98 (TO STR 28)
- CURB DROP INLET

 TOP = 420.65

 18" RCP INV. OUT = 417.35 (TO STR 29)
- \$\footnote{31}\$ STORM MANHOLE TOP = 428.90

 18" RCP INV. IN = 421.70 (FROM STR 32)

 18" RCP INV. OUT = 421.60 (TO STR 30)
- \$\frac{32}{TOP} \text{ STORM MANHOLE} \\
 TOP = 429.24 \\
 18" RCP INV. IN = 422.44 (FROM STR 33) \\
 18" RCP INV. OUT = 422.34 (TO STR 31)
- STORM MANHOLE

 TOP = 436.36

 15" RCP INV. IN = 428.76 (FROM STR 34)

 18" RCP INV. IN = 426.96 (FROM STR 35)

 18" RCP INV. OUT = 427.06 (TO STR 31)

 (STRUCTURE IS SURCHARGED REVERSE FLOW VERIFIED)
- CURB DROP INLET TOP = 439.55 18" RCP INV. OUT = 429.75 (TO STR 33)
- TOP = 438.27 15" RCP INV. IN = 433.27 (FROM STR 36) 72" RCP INV. IN = 428.47 (FROM EAST) 18" RCP INV. OUT = 428.07 (TO STR 33)
- 35 CURB DROP INLET TOP = 437.99 15" RCP INV. OUT = 433.64 (TO STR 35)

STANDARD LEGEND

EXIST	<u>ING</u>	<u>DESCRIPTION</u>	<u>PROPOSED</u>	<u>EXISTING</u>	<u>DESCRIPTION</u>	<u>PROPOSED</u>	<u>EXISTING</u>
35 EX. E EX. C	ra des <u>austria de la repopue de la resta de la della della</u>	INDEX CONTOUR INTERMEDIATE CONTOUR EDGE OF PAVEMENT CURB AND GUTTER	350 352 PROP. E.P.	EX. W/V EX. 8° SAN EX 18° RCP	WATER VALVE REDUCER SANITARY SEWER STORM SEWER CABLE TV	8" SAN 18" RCP CATV	\$ \$**() () 15″ [
EX 87	andro de la companio del companio de la companio de la companio del companio de la companio del companio de la companio de la companio del companio de la companio del companio dela	HEADER CURB PROPERTY LINE DEPARTING PROPERTY LINE LOT LINE RIGHT-OF-WAY CENTERLINE FLOOD PLAIN CLEARING AND GRADING TREE LINE FLOW LINE OF SWALE STREAM OVERLAND RELIEF PATHWAY FENCE LINE EASEMENT WATER LINE	O.L.R. X X X X X X X X X X X X X	— UGE — UGE — UGT — UGT — G — G — G — G — G — G — G — G — G —	ELECTRIC SERVICE TELEPHONE SERVICE GAS LINE SPOT ELEVATION UTILITY POLE SIGN SANITARY SEWER IDENTIFIER STORM DRAIN IDENTIFIER EASEMENT IDENTIFIER WATER METER FIRE HYDRANT STREET LIGHT	- UGE - UGE - UGT	OHE OHE
					VEHICLES DED DAY	\\	

SANITARY SEWER

- A SANITARY MANHOLE

 TOP = 401.88

 8" DIP INV, IN = 389.73 (FROM STR B)

 8" DIP INV, OUT = 389.68 (TO NORTH)
- B SANITARY MANHOLE
 TOP = 400.55
 8" DIP INV. IN = 391.40 (FROM STR C)
 8" DIP INV. IN = 391.25 (FROM STR D)
 8" DIP INV. IN = 391.15 (FROM STR E)
 8" DIP INV. OUT = 391.10 (TO STR A)
- SANITARY MANHOLE

 TOP = 408.67

 4" PVC INV. IN (DROP PIPE @ TOP)= 403.17 (FROM BLDG)

 4" PVC INV. IN (DROP PIPE @ BOTTOM)= 398.07

 8" DIP INV. IN = 397.62 (FROM WEST)

 8" DIP INV. OUT = 397.57 (TO STR B)
- D SANITARY MANHOLE

 TOP = 414.61

 8" DIP INV. IN = 402.51 (FROM EAST)

 8" DIP INV. OUT = 402.41 (TO STR B)
- E SANITARY MANHOLE

 TOP = 409.38

 8" DIP INV. IN (DROP PIPE @ TOP)= 400.48 (FROM STR F)

 8" DIP INV. IN (DROP PIPE @ BOTTOM)= 398.03

 8" DIP INV. OUT = 397.63 (TO STR B)
- F SANITARY MANHOLE

 TOP = 425.82

 8" DIP INV. IN = 415.67 (FROM STR G)

 8" DIP INV. OUT = 415.57 (TO STR E)
- G SANITARY MANHOLE

 TOP = 437.33

 8" PVC INV. IN = 426.23 (FROM STR H)

 8" DIP INV. IN = 426.18 (FROM STR I)

 8" DIP INV. OUT = 426.13 (TO STR F)
- H SANITARY MANHOLE

 TOP = 440.73

 8" PVC INV. IN = 426.88 (FROM STR EAST)

 8" PVC INV. OUT = 426.78 (TO STR G)
- I SANITARY MANHOLE

 TOP = 440.83

 8" DIP INV. IN = 430.58 (FROM STR J)

 8" DIP INV. OUT = 430.48 (TO STR G)
- SANITARY MANHOLE

 TOP = 450.81

 8" DIP INV. IN = 440.71 (FROM STR K)

 8" DIP INV. OUT = 440.66 (TO STR I)
- SANITARY MANHOLE

 TOP = 452.90

 8" PVC INV. IN = 441.60 (FROM STR L)

 8" DIP INV. IN = 441.55 (FROM STR M)

 8" DIP INV. OUT = 441.45 (TO STR J)
- SANITARY MANHOLE
 TOP = 447.97
 4" INV. IN = 444.52 (FROM N.E.) TYPE UNKNOWN
 6" DIP INV. IN = 444.62 (FROM S.E.)
 8" PVC INV. OUT = 444.42 (TO STR K)
- SANITARY MANHOLE

 TOP = 455.43

 4" DIP INV. IN = 445.33 (FROM BLDG)

 4" DIP INV. IN = 445.23 (FROM S.E.) ORIGIN NOT FOUND

 8" DIP INV. OUT = 444.98 (TO STR K)

OVERHEAD ELECTRIC OVERHEAD TELEPHONE RIP RAP VEHICLES PER DAY (TRAFFIC COUNT) < 200 VPD HANDICAP RAMP TEST PIT LOCATION RECOMMENDED/REQUIRED 2 MAILBOX \subseteq **INSET FROM SHEET 5** TABULATIONS UTILITIES ' TING EXIS. LEGEND

DESCRIPTION

BENCHMARK

ASPHALT TRAIL

CONCRETE SIDEWALK

END WALLS

END SECTIONS

STOP SIGN

STREET SIGN

PROPOSED

BM #1 TRV #1 ELEV=101.62

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BRADLEY GLATFELTER A Lic. No. 50992
10/17/2016
10/17/2016
10/17/2016

OVEMEN

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PLAN STATUS
4/05/16 FINAL SUBMISSION
D/17/16 CONTRACT DOCUMEN

DATE DESCRIPTION

SB SB SD

DESIGN DRAWN CHKD

SCALE H: 1"=10'
V: N/A

JOB No. 6916-01-002

DATE: JUNE 2015

FILE No. 6916-D-CP-002

SCALE: 1" = 5'

