GENERAL SITE CONSTRUCTION NOTES THE LOCATION OF EXISTING UTILITIES ACROSS, ALONG OR IN THE VICINITY OF PROPOSED MORR ARE NOT NECESSARILY SHOWN ON THE PLANS, AND WHERE SHOWN, ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARILY.

ALL UNDERGROUND UTILITIES ARE TO BE CLEARLY MARKED PRIOR TO BEGINNING CONSTRUCTION, ANY POTENTIAL CONFLICTS AS A RESULT OF THE MARKINGS SHALL BE

UTILITY LINES, UTILITY POLES AND PEDESTALS, ABOVE GROUND & BELOW GROUND SHALL BE PROTECTED FROM DAMAGE IN ACCORDANCE WITH THE UTILITY OWNERS' INSTRUCTIONS. THE CONTRACTOR IS RESPONSEDE FOR CONTROLING ALL UTILITY OWNERS TO DETAIN THE PROPER PROTECTIVE MEASURES FOR EACH HIDWIDUAL UTILITY AND PROTECTION UTILITIES FROM DAMAGE. ANY AND ALL DAMAGE CAUSED BY THE CONTRACTOR OR BY

THE CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT SHOULD DISCREPANCIES BE DISCOVERED AT THE SIGHT OR ON THE DRAWINGS.

THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXCAVATED DITCHES AND SHALL FURNISH AND INSTALL ALL NECESSARY BARRICADES.

ALL AREAS NOT COVERED WITH PAVEMENT, SIDEWALK, OR STRUCTURES SHALL RECEIVE LANDSCAPING AND PERMANENT SEEDING OR SOO, AS SHOWN ON THE PLANS.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE MOST RECENT REVISION DATE OF THE PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.

REMOVE CURBING AND SIDEWALKS TO THE NEAREST EXPANSION JOINT TO PROVIDE A STRAIGHT, CLEAN, AND NEAT JOINT WITH THE NEW CURBING AND OR WALK.

ALL ASPHALT INTERFACES BETWEEN OLD AND NEW PAVEMENT MUST BE SAW CUT TO NEAT STRAIGHT UNES AND A TOCK COAT SHALL BE APPLIED AT A RATE OF 0.1 GALLON PER SQUARE YARD OF RC-250 IMMEDIATELY PRIOR TO PACING THE ASPHALT.

AGGRECATE BASE AND PAYING MUST BE PLACED BEFORE ANY MOISTURE OR SEASONAL CHANGES DOCUR TO SUBGRADE THAT WOLLD CAUSE COMPACTION TESTS PREMOUSLY PERFORMED TO BE FROMPOSOUS. RECOMPACT AND RETEST SUBGRADE SOILS THAT HAVE BEEN LETT EXPOSED TO MEATHER.

MISCELLANEOUS NOTES

ALL PAYEMENT MARKINGS SHALL BE MADE WITH TRAFFIC RATED PAINT, VDOT TYPE A PAINT. ALL PARKING SPACES AND NO PARKING AREAS REQUIRE 4" WHITE LINES.

TRENCH_ROCK_REMOVAL

TRENCH ROCK IS DEFINED BY ANY MATERIAL THAT CANNOT BE EXCAVATED WITH A BACKHOE HAVING A BUCKET CURLING FORCE RATED AT NOT LESS THAN 25,700 POUNDS (CATERPILLAR MODEL 225 OR EQUIVALENT), AND OCCUPYING AN ORIGINAL

TRENCH ROCK REMOVAL SHALL BE TO A DEPTH OF 8" BELOW BOTTOM OF PIPE.
MATERIAL TO BE USED BETWEEN ROCK AND BOTTOM OF PIPE TO BE 1857 COMPACTED
STONE. FOLLOW HOOT STANDARD PB-1, METHOD A, FOR BEDDING PLACEMENT,
MATERIAL AND TRENCH WOTH.

EROSION CONTROL NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, OR OTHERWISE MODIFY CERTAIN MEASURES WHERE FIELD CONDITIONS WARRANT, ERSON CONTROL MEASURES SHOWN ARE NOT NECESSABLY ALL THAT WILL BE REQUIRED.

EROSION CONTROL MEASURES SHALL BE INSTALLED IN ADVANCE OF WORK BEING PERFORMED, AS FAR AS PRACTICAL.

IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY 'PROTECTED AGAINST EROSON, SEDMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.

THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EVERY ERODICLE RAMFALL, ANY NECESSARY REPAIRS OR CLEANUP SHALL BE MADE MANDENDATELY AND AT NO EXTRA COST TO THE OWNER.

(14-SUL FURNISHED BY THE COMMINITIES SHALL COMSIST OF A MATURAL FROMEL STRAIGHT OF THE STRAIGHT STRAIG

TOPSOIL SHALL BE OBTAINED FROM NATURALLY WELL DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4—INCHES DEEP. TOPSOIL SHALL NOT BE OBTAINED FROM BOGS OR MARSHES.

GENERAL PAVEMENT PATCH NOTES

ALL UTILITIES REQUIRE DETECTABLE WARRING TAPE MARRING AND DESTRIPTION UNDERFORMED POR MARRING AND DESTRIPTION UNDERFORMED UTILITIES, WINNING SX MORES MORE AND FOUR MILLS THICK, DETECTABLE BY A METAL DETECTOR WHEN TAPE IS DURIDD THAT! ONLYSIS DEEP AND OCCORD TO THE TO AMERICAN PUBLIC WORKS ASSIGNATION STANDARDS REPER TO MESTIFER MIRRIAM WARR AUTHOR AND THE AUTHOR A

EXCAVATE TO PROPER ALIGNMENT, DEPTH, AND GRADE. EXCAVATE TO SUFFICIENT WIDTH TO ALLOW ADEQUATE SPACE FOR PROPER INSTALLIAN AND INSPECTION OF UTILITY PRIPAGE. IF TRESIONES ARE EXCAVATED DEEPER IT REQUIRED, BACKFUL LIVITI. TRENCH BOTTOM IS PROPER DEPTH WITH PROPERLY COMPACTED MATTIVE MATERIAL.

WHERE ROOK EXCAVATIONS ARE REQUIRED, EXCAVATE ROOK WITH MINIMUM OVER-DEPTH OF 6 INCHES BELOW REQUIRED TRENCH DEPTHS AND BACKFILL WITH THOROUGHLY COMPACTED MATERIAL.

IN CONFINED AREAS SUCH AS UTILITY TRENCHES, PORTABLE COMPACTION EQUIPMENT AND THIN LIFTS OF 3 TO 4 INCHES MAY BE REQUIRED TO ACHIEVE THE SPECIFIED DEGREE OF COMPACTION.

GENERAL SANITARY SEWER NOTES

CONTRACTOR'S SEPONDISTITY FOR NEW STWER SERVICE;
OUTRIANCIPE'S RESPONDISTITY FOR NEW STWER SERVICE;
OUTRIANCIPE'S RESPONDISTITY FOR NEW BILLION,
OUTRICT THE WINN AT LEAST SO DAYS IN ADVANCE OF
CONSTRUCTION (MARK SINK SHO-ST).—SHOO)
CONNECT THE NEW O' SURFO PIC SEWER LATERAL TO THE
EDISTING MARKELE IN LUCK ANEVUE

INSTALL THE NEW O' LATERAL FROM THE MANHOLE TO A
NEW CLEANOUT AT THE PROPERTY LINE BEHIND THE
EDISTING SURFAULT.
INSTALL THE O'LATERAL FROM THE CLEANOUT TO THE
BUILDING.
PATOL THE O'LATERAL FROM THE CLEANOUT TO THE
BUILDING.
PATOL THE PAYEMENT CUIT AND REPAIR THE CURB &
SURVINLE.

SIDEWALK
PROVIDE AS-BUILT DRAWINGS OF THE NEW LATERAL TO THE

HE SANITARY SEWER LINE IS TO BE 6" SDR40 PVC.

SEWER INSTALLATION SHALL COMPLY WITH THE LATEST INSTRUCTIONS OF THE PIPE MANUFACTURER.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED SEVER LINES.

THE MINIMUM SLOPE IS TO BE 1.0%

THE SEMER LINES & CLEANOUTS SHALL MEET THE RECOUREMENTS OF THE MESTERN MIGRIMA WATER AUTHORITY RECULATIONS. THE MIGRIMA UNFORM STATEMEE BUILDING CODE (WUSDC), AND THE COMMONWEALTH OF WROTHA PLUMBING CODE

ALL CLEANOUTS TO BE FLUSH WITH FINAL CRADE. CLEANOUTS IN PAVEMENT TO BE EQUIPPED WITH A TRAFFIC BEARING

ALL TRENCHES SHALL BE THOROUGHLY COMPACTED TO PREVENT SETTLEMENT.

COORDINATE SANITARY SEMER CONNECTION TO THE EXISTING MANHOLE WITH THE WYWA.

GENERAL WATER NOTES

CONTRACTOR'S RESPONSIBILITY FOR NEW WATER SERVICE;
CONTRACT THE WHAN AT LEAST 5 DAYS IN ADMANCE OF CONSTRUCTION (MARK SIM 50-537-360).
RELOCATE THE ENSING HYDRANT TO IT'S NEW LOCATION.
CONNECT NEW 6' OL, MATERIA UNE TO THE SISTING 6' LIVER THAT SERVES THE EDISTING HYDRANT. COORDINATE WITH THE

INSTALL NEW 6" LINE TO CONNECT TO NEW HYDRANT LOCATION. INSTALL VALVE. LOCATION, INSTALL VALVE.
THE OFF NEW 6" LINE WITH A 4" LINE AND RUN 4" D.L. LINE
TO CORNER TO NEW VAULT, INSTALL, VALVE,
INSTALL, NEW WAITER VAULT, AND ALL APPURIEDANCES PER
WAYNA DETAIL.
PAICH THE PAYEMENT AND REPAIR THE CURB & SDEWALK
AS NECESSAID.

AS NECESSARY.

MSTALL THE NEW 4" O.L. WATER SERVICE LINE FROM THE NEW HOLD TO THE BUILDING MSTALL THE NEW HOLE DEPARTMENT CONNECTION (FDC) MSTALL THE NEW HOLE DEPARTMENT CONNECTION (FDC) FROUDE AS-BUILD DRAWINGS OF THE NEW WATER SERVICE TO THE WIND THE THE SERVICE TO THE WIND THE WIND THE SERVICE TO THE WIND THE WIND

REFERENCE SECTIONS 605.3 AND 605.5 OF THE COMMONWEALTH FF VIRGINIA PLUMBING CODE FOR WATERLINE REQUIREMENTS AND SECTION 312 FOR WATERLINE TESTING.

WATERLINE INSTALLATION SHALL COMPLY WITH THE LATEST INSTRUCTIONS OF THE PIPE MANUFACTURER.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED WATER LINES.

asphalt restoration for striped roadways with an initial pavement repair area equal to or less than 100 s

PROVIDE STRAIGHT, CLEAN SANCUITS FOR NEW TRENCH WORK IN THE PAREMENT.

PAREMENT PATCH TO BE RECTANGULAR AND SANCUIT IN STRAIGHT, UNITERN LINES, WHEN EDGES OF PAVEMENT HAVE

BEEN UNDERMINED, PAREMENT SHALL BE REMOVED TO A NEAT LINE 12" BEYOND THE UNDERMINED AREA.

PAREMENT PATCH TO INCLUDE:

BROKPILL YOUT STO NO. 21A AGGREGATE PLACED IN LOOSE LIFTS NOT EXCEDING 6" AND COMPACTED TO A

LEAST 95% HANKHUM ORY DENISTY.

ASHALL TE NEMENT DEPTHS SHALL MATCH ENSTING PAVEMENT DEPTH BUT IN NO CASE SHALL BE LESS THAN 6" AND

CONSIST OF, 3" LIFTS OF ASSHALT BASE MIX (VOOT TYPE BM-25.0) AND ONE 2" LIFT OF ASPHALT SURFACE MIX

(VOOT TYPE SH-12.50).

PAREMENT PATCH REPAIRS SHALL BE MADE SEAMLESS THROUGH THE USE OF INFRARED OR OTHER APPROVED.

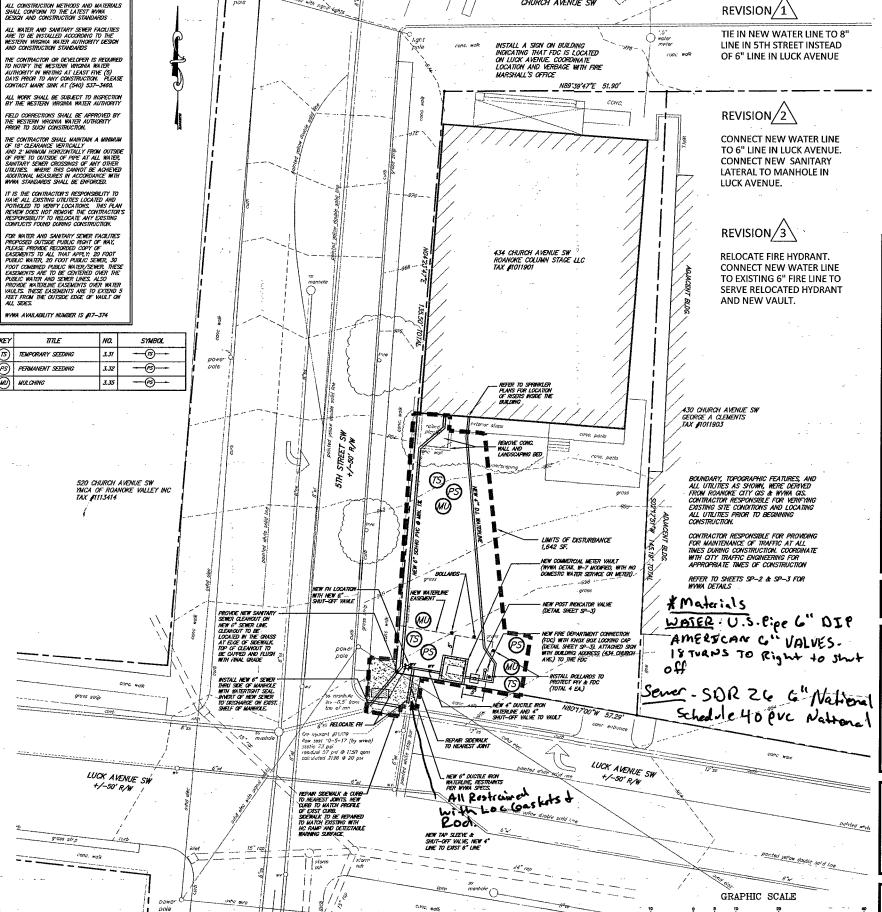
6. CONTRACTOR TO REFERENCE THE LATEST EDITION OF THE CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS.

ALL TRENCHES SHALL BE THOROUGHLY COMPACTED TO PREVENT SETTLEMENT.

WVWA GENERAL UTILITY NOTES

THE CONTRACTOR OR DEVELOPER IS REQUIRE TO NOTIFY THE WESTERN VIRGINIA WATER TO NOTE! THE MESTERY VIRGINIA MATER AUTHORITY IN WRITING AT LEAST FIVE (5) DAYS PRIOR TO ANY CONSTRUCTION. PLEAS CONTACT MARK SINK AT (540) 537–3460.

FOOT COMBINED PUBLIC WATER/SCHER, THESE EASEMENTS ARE TO BE CENTERED OVER THE PUBLIC WATER AND SEMER LINES, ALSO PROVIDE WATERLINE EASEMENTS OVER WATER_



CHURCH AVENUE SW

DATE: OCT. 19, 2017 DEC 20, 2017 Æ FEB 7, 2018

MAR. 30, 2018 ₩ △

JGHES SOCIATES & ENGINEERS RANDERS ROADERS

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FOR STAGE WATERLINE I
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VENUE SW ROANG NEW NOANONE (SOANOKE (434 CHURCH AVI

wmw CHECKED BY: mja

FIRE SERVICE 5/3/18



COMMISSION No. 17061 CHEET SP-1

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