GENERAL SITE NOTES

- TOPOGRAPHIC INFORMATION SHOWN FROM FIELD SURVEY PREPARED BY ENGINEERING CONCEPTS, INC. CONTRACTOR SHALL VERIFY ALL CRITICAL DESIGN ELEVATIONS PRIOR TO PROCEEDING WITH ANY CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS OR CONTACT ENGINEER IF ELEVATIONS DIFFER.
- 2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ORTAINING ALL PERMITS
- 3. THE CONTRACTOR SHALL BERR SOLE RESPONSIBILITY FOR THE CHARACTER AND ACTUAL LOCATIONS, AND ELEMINONS OF ALL EXERTING UTUALES, STRUCTURES, OHDER FACILITIES, AND THE TO-THE OWNER, COUNTRY THE OWNERS, COUNTRY THE OWNERS OF ALL UTUALES AND ARRINGE FOR FAIR TO THE OWNERS, COUNTRY THE OWNERS/OFFENDES OF ALL UTUALES AND ARRINGE FOR FAIR THE VERPEARDN AND MARKING OF UTUALLY LOCATIONS BY SALD OWNERS/OFFENDES FOR CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS/OFFENDES FOR EVERY MEMORY FOR SHALL BOAR SOLE RESPONSIBILITY FOR ALL DISTURBANCE OF AM FORMAGE OF THE OWNERS AND THE CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS OWNERS AND THE CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS AND THE CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS AND THE CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS AND THE CONTRACTOR SHALL BOAR SOLE RESPONSIBILITY FOR THE OWNERS AND THE OWNER ARRANGE FOR THE LOCATION OF UTILITIES BY THE OWNERS/ OPERATORS OF THE UTILITIES.
- 4. SITE CONDITIONS MAY NECESSITATE SLIGHT DEVIATIONS IN ALIGNMENT, GRADE, AND/OR 4. SHE CHARTHAN MAY RECESSIATE SUBHI DEVADIONS IN ALOMENT, GRACE, MAJORE LOCATION OF NEW HOLITIES FROM THE PUR MICHINETY, GRACE, MAJORE COLOTION, THE CONTRACTOR SHALL CONSTRUCT THE REY HACKINETY OF SHALL PROBLEMENTS AS DIRECTED BY THE REMARKER WINDOWS ADDROINANCESS OF THE TO THE OWNER, SHOULD FAME DEVALUATIONS OF REMARKER, ALL PANY REMISIONS MIST BE SUBHITTED TO ROMARICE COUNTY FOR REVIEW AND APPROPRIA.
- 5. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CURRENT STATE AND LOCAL BUILDING CODES AS WELL AS THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION AND ALL APPLICABLE STATE AND FEDERAL OSHA
- 6. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION AREA IN A SAFE AND ACCEPTABLE MAINTER AND SHALL BE RESPONSIBLE FOR REMEDIATING ANY DAMAGES RESULTING FROM HIS FAILURE TO DO SO.
- THE CONTRACTOR SHALL MAINTAIN LIMITS OF CONSTRUCTION WITHIN THE PROPERTY BOUNDARIES OR EASEMENTS AS INDICATED.
- 8. AN APPROVED SET OF PLANS SHALL BE KEPT ON THE SITE AT ALL TIMES.
- 9. ALL CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN CONFORMANCE WITH THE WIRGHMA LITTER CONTROL ACT AND DISPOSED OF IN A MAINER AND LOCATION ACCEPTABLE TO THE GOVERNMO JURISDICTION. AT LEAST ONE TRASH RECEPTABLE SHALL BE ONSITE DURING CONSTRUCTION.
- 10. TEMPORARY TOILETS SHALL BE PROVIDED ONSITE AT A RATIO OF ONE TOILET PER 30 WORKERS DURING THE CONSTRUCTION PERIOD.
- 11. GRADE STAKES SHALL BE SET FOR CURB & GUTTER, WATER LINES, SANITARY SEWER AND STORM SEWER.
- 12. THE CONTRACTOR SHALL MAINTAIN A CLEAR FLOW PATH TO AND THROUGH ALL SURFACE WATER AND STORM WATER DRAINAGE FACILITIES AT ALL TIMES.
- 13. THE CONTRACTOR SHALL GRADE, SEED, AND/OR SOD, AND MULCH THE ENTIRE AREA(S) DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT PROPOSED AS HARDSCAPED FEATURES.
- 14. CONSTRUCTION AND START-UP OF ALL WORK SHALL NOT INTERFERE WITH THE OPERATIO OF WATER AND SEWERAGE FACILITIES. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE WORK WITH THE OWNERS AS REQUIRED.
- 15. MINIMUM COVER ON ALL PIPE SHALL BE 3.0 FEET, UNLESS OTHERWISE SPECIFICALLY MIDICATED ON THESE DRAWMISS. ALL PIPE SHALL BE INSTALLED WITH COARED TRACER WIRE TO FACILITATE FUTURE LOCATION OF PIPE AFTER CONSTRUCTION IS COMPLETED.
- 16. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE JOINT DEFLECTION OR BARREL BEND RADIUS SHALL NOT EXCEED 75% OF THE MANUFACTURER'S RECOMMENDED DEFLECTION ANGLE OR BEND RADIUS.
- 17. ALL PIPING SHALL BE PROPERLY SUPPORTED. ALL PIPING WHICH WILL BE PRESSURIZED DURING OPERATION SHALL BE PROPERLY RESTRAINED.
- 18. ALL HOPE PIPE SHALL CONFORM TO THE CURRENT VDOT SPECIFICATIONS AND BE BEDDED IN ACCORDANCE WITH THE CURRENT VDOT STANDARDS.
- 19. CONSTRUCTION TRAFFIC SHALL USE THE CONSTRUCTION ENTRANCE

GRADING NOTES:

- PRIOR TO BEGINNING EARTHWORK OPERATIONS, THE CONTRACTOR SHALL EMPLOY A QUALIFIED, PROFESSIONAL GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF WRIGHMA AS A RESULT OF ONSITE TESTING, THE GEOTECHNICAL ENGINEER SHALL MANE RECOMMENDATIONS RECOMMEND THE ONSITE PLACEMENT OF FILL MATERIAL AND PROPER COMPACTION METHODS. NO WARRANTIES ARE MADE BY THE OWNER OR TENNIEST FOR MAY SUSSIPIACE CONDITIONS ON THE PROPERTY.
- SHEED BY THE OWNERS OF EMPIRICAL THE WAY SUBSTRIKES PROPER BY THE GOTTOMPOIL.

 ENGINEES SUBSTRIKES SHALL BE SOURTED TO A OPPH OF A MOVES PROOF TO FILL

 PACKINETT OS SAURE BORNING SETTION THE TWO STOCKS. ALL FLIL AREAS SHALL BE

 COMPACTED TO A DRY DECISITY OF AT LESS! 98% BIFF IDENSITY (ASTA MORR), DAILESS NOTED

 COMPACTED TO A CHARGE SHALL BE SOURCEMENDED BY FLOOR RELL ME SO BOHL LITS

 BONGERS SHALL FREFORM FILLD DESITY TEST ON EACH SHALL ME SOURCESSERY TO ASSERTANT

 HAT AREQUIATE COMPATION SHALL BE ACHIEVED. CHAPTER BEARNER RATH TO SETS SHALL BE

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- 3. CLEAR SITE WITHIN LIMITS OF GRADING WORK. DO NOT DISTURB AREAS OUTSIDE OF GRADING LIMITS OR PROPERTY BOUNDARY.
- 4. REMOVE TREES, SVEURS, GRASS AND OTHER MEDITATION, IMPROVEMENTS OR OBSTRUCTIONS AS REQUIRED TO PERMIT INSTITULATION OF NEW CONSTRUCTION. ALL UNSURFALE MATERIAL SPALL SEE OBSECTED OF IN A MANNER PON LOCATION ACCUSING. TO A MANNER STATE AND LOCATION ACCUSING STUMPS AND ROOTS, COMPLETELY IN AREAS REQUIRED FOR SUSSECUENT SEEDING, COT OF TREES AND STUMPS IN AREAS TO RECEIVE THE MORE THAN THREE FEET IN DEPTH TO MITHIN EIGHT INCHES OF THE ORIGINAL GROUND SUBFRACE.
- BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND OPERATE WARNING LIGHTS AS RECOMMENDED BY AUTHORITIES HAVING JURISDICTION.

- EXCAVATION FOR STRUCTURES: ONFORM TO ELEVATIONS AND DIMENSIONS SHOWN WITHIN A TOLERANCE OF PLUS OR MINUS
- 0.10 FOOT.

 B. PROVINCE TRUE AND STRAIGHT FOOTING EXCANATIONS WITH UNIFORM LEVEL BOTTOMS OF THE WIDTH INDICATED TO ENSURE PROPER PLACEMENT AND COVER OF ALL REMPROSCEMENT.

 C. REMON'E ALL LOOSE MATERIALS FROM THE EXCANATION PRIOR TO PLACEMENT OF CONCRETE.

 D. PROVINCE A MINIMUM OF 2'-0" FROM THE FINISHED GRADE TO TOP OF ALL EXTERIOR WALL EXTERIOR.
- FOOTINGS.
 E. FOOTINGS WHICH SUPPORT CONCRETE MASONRY UNITS MAY BE STEPPED PROVIDED THE
- ; FODINGS WHICH SUPPORT CONCRETE MISOINT UNITS MAY BE STEPPED PROVIDED THE VERTICAL STEP SEED NOT EXCEED ONE HAIF OF THE HORROWAL BOSTANCE ENTERN STEPS AND HORROWALD STANCE ENTERN STEPS IN TESS THAN TWO FEET. IF FROM IS BUCKNIFFED IN A FORTOM EXCHANDIN, UNDERFOUT IT A WINNIAM OF 12" BELOW THE BOTTOM OF THE FOOTINGS AND FILL THE RESULTING OVER-EXCANATION WITH CONTROLLED TALL.
- CUT SURFACE UNDER PAVEMENTS TO COMPLY WITH CROSS SECTIONS, ELEVATIONS, AND GRADES AS INDICATED.
- 8. EXCAVATE TRENCHES TO UNIFORM WIDTH CONFORMING TO VOOT STANDARD PB-1 FOR STORM DRININGE PIPING AND JB-1_FOR SANITARY SENER, AND WATER, BACKELL TRENCHES WITH COMPROLES FOR PLANS FOR STORM DRAINS.

 COUNTY FOR BEDDING FOR DETAIL PB-1 OR FOR STORM DRAINS.
- 9. PREVENT SURFACE WITER AND SUBSURFACE OR GROUND WITER FROM FLOWNO INTO EDICHARIOS AND FROM FLOOMIN PROJECT SITE AND SURROLINGHOM AREA. DO NOT ALLOW WINET TO ACCUMENT TO EXCHANGE ROUND FROM FLOOR PREVENT SUFFERING STREET SURFACE AND FAMILY SURFACE SURFACE AND FAMILY SURFACE SURFACE AND FOUNDATIONS. CONNEY WITER PROVIDED FROM ECCUATIONS AND PANI WHATE TO COLLEGE OR ROUND FROM ECCUATIONS AND PANI WHATE TO COLLEGE OR ROUND FROM FLOOR SURFACE STREEDER AND MAINTAIN TEMPORARY DRAWAGE DITCHES AND OTHER DIVERSIONS OUTSIDES EXCHANDING LIMITS FOR EACH STRUCTURE. DO NOT USE PRICH DEVENTIONS AS TEMPORATED FORCES.
- PROTECT EXCAVATED BOTTOMS OF ALL FOOTINGS AND TRENCHES AGAINST FREEZING WHEN ATMOSPHERIC TEMPERATURE IS LESS THAN 35 F (1 C).
- 11. BIOGRILING
 A COMPACT THE BOOGRIL AROUND THE OUTSIDE OF BUILDING TO A MINIMAM OF 85% OF
 MANAMA BEY LENSITY IN ACCORDANCE WITH ACTA DI 88S SYMDHAD PROCTOR, DO NOT
 THAN THE HOROCOMIL DISTANCE SURTENED BY A 45 ANGLE WITH THE TOP EDGE OF THE
 FOOTINGS AND THE SURFACE OF THE ROUND.
 B. BLOCKILL BEHIND WALLS AFTER FERMANENT CONSTRUCTION WHICH BRACES THE WALL IS IN
 PLACE OF TREPWORM SHAMEN OF THE WALL SP FORTING WAS ON A TEXT
 ACCORDANCE FOR THE SHAMEN OF THE WALL SP FORTING THE STATELD, AND A TEXT
 OF CONCRETE FORWARDER, AND REMOVAL OF TRUSH AND DEBRIS DAME—PROCESSER, REMOVAL
 OF CONCRETE FORWARDER, AND REMOVAL OF TRUSH AND DEBRIS DAME—PROCESSER, REMOVAL
- 12. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING INCLUDING ADJACENT TRANSITION AREAS, SMOOTH FINISHED SURFACES WITHIN SPECIFIED TOLERANCES, COMPACE WITH UNFORM LEVELS OF SUCRES EMPEREN FOUNTS WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS AND EXISTING GRADES, GRADE AREAS ADJACENT TO BUILDING LINES TO DRAIN AWAY FROM STRUCTURES TO PREVENT PROMISE.
- 13. FINISH LAWN AREAS TO WITHIN ONE INCH ABOVE OR BELOW REQUIRED SUBGRADE ELEVATIONS. SHAPE SURFACE UNDER WALKS AND PAVEMENTS TO LINE, GRADE, AND CROSS SECTION, WITH NOT MORE THAN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE ELEVATION.
- 14 CRADE SURFACE UNDER RUILDING SLARS SMOOTH AND EVEN ERFE OF VOIDS PROVIDE FINAL GRADES WITHIN 1/2" OF THOSE INDICATED WHEN TESTED WITH A 10' STRAIGHT EDGE.
- 16. UNDER FOUNDATIONS, SIDEWALKS, AND PAVEMENTS COMPACT EACH LAYER TO 95% MAXIMUM DRY DENSITY ASTM D 698 (STANDARD PROCTOR). FOR FURTHER SUPPORT COMPACT 2 FEET BELOW STRUCTURES TO 98% MAXIMUM DRY DENSITY ASTM D 698 (STANDARD PROCTOR).
- 17. UNDER LAWN OR UNPAVED AREAS, COMPACT SUBGRADE AND EACH LAYER TO 90% MAXIMUM DRY DENSITY ASTM D 698 (STANDARD PROCTOR).
- 18. ALL SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE CAPPED AND PIPED TO THE NEAREST STORM SEWER SYSTEM OR NATURAL WATERCOURSE. THE PIPE SHALL BE A MINIMUM OF 6° DUMETER AND CONFORM TO V.D.O.T. STANDARO SE1.

GENERAL UTILITY NOTES:

- 1. VERIFY LOCATION, SIZE, AND ELEVATION FOR ALL UTILITIES IN AREAS OF CONSTRUCTION PRIOR TO STAFFING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION, SIZE, OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLAN. IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY MOT SHOWN ON PLAN.
- PROVIDE CONSTRUCTION METHODS AND MATERIALS IN ACCORDANCE WITH THE COMMONWEALTH OF VIRGINIA SENAGE AND MATERIORICS REGULATIONS AND WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS.
- A MINIMUM OF THREE (3.0) FEET OF COVER IS REQUIRED OVER PROPOSED WATER AND SEWER LINES.
- 4. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATERWORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.
- 5. ALL LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.
- 6. REFER TO DETAIL SHEETS FOR BEDDING DETAILS. AFTER THE PIPE HAS BEEN PLACED IN THE TRENCH, THE TRENCH SHALL BE BACKFILLED WITH SELECT MATERIAL AND THOROUGHLY COMPACTED PER SPECIFICATIONS.
- 7. ALL WATER MAINS SHALL BE PROPERLY RESTRAINED WITH MECHANICALLY RESTRAINED JOINTS OR APPROVED ALTERNATIVE.
- 8. ALL WATER MAINS SHALL BE TESTED IN ACCORDANCE WITH WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS. COORDINATE INSPECTIONS FOR TESTING WITH
- 9. ALL WATER PIPE TO BE DUCTILE IRON PIPE, PRESSURE CLASS 350, MINIMUM IN ACCORDANCE
- 10. PROPOSED STORM DRAINS TO BE FLUSHED PRIOR TO REMOVING SEDIMENT TRAPPING MEASURES.
- 11. TIENCH EXCANDIDE TRENCHES SHALL BE EXCANDED IN STRAGHT LINES AND SHALL BE OF SUFFICIENT WIDTH TO PERMIT THE PROPER INSTALLATION DEGENCING, SHORING OR SHEETING TRENCH WIDTH SHALL NOT EXCESS INMUNIFICIALISES RECOMMENDATION. THE DOTTON OF THE PORTON OF THE PRICE OF THE COMPANIED BECOMM MITCHES DEGING MITCHES DEGING MITCHES DEGING MITCHES TO THE COMPANIED BECOMM MITCHES DEGING MITCHES DEGING MITCHES TO THE COMPANIED BECOMM MITCHES TO THE COMPANIED BECOMM MITCHES DEGING MI
- 12. EDDINE BEDONE MITTAIL SYLL BE COMES AGREGATE SIZE NUMBER 57 NO SHALL COMPONE WITH WORT SCTON DOS AMOJOR ASIN COS. BEDONE MITTAIL SHALL BE PLACED ON THE STATE OF THE BELLS OF ALL PRES. CASE SHALL BE TRACE ID ENSIRE THE BEDONE MITTAIL FILLY SUPPORTS THE SIDE AND BOTTOM OF THE PIPE IN ACCORDANCE WITH MANUFACTURETS RECOMMENDATION.

- 13. BACTUL BACTUL MATERIL SHILL BE DIREC APPRICED DEFAMICE MATERIL DE PROPOCOSO SIGNER MATERIA FROM ONDER SOURCES THAT IS FREE OF GOMEN MATERIA LOAM, DEBRIS, OR MANIMAN THO (2) FEET ABOVE THE TOP OF PIPE SHALL BE FREE OF STOKES MITH HAND TAMPERS, BACTUL FROM THIS PAINT TO TOP OF TRESCH SHALL BE FREE OF SHIP HAND TAMPERS, BACTUL FROM THIS PAINT TO TOP OF TRESCH SHALL BE FREE OF SHIP TOP OF THE PROPOSED OF THE SHAPE SHALL BE SOUN MATERIA DEGREE SHALL BE COMPACTED TO SOCK BACTUL BESON PAINT DE BACTUL SHALL BE COMPACTED TO SOST, BACTUL COMPACTED TO SOCK BACTUL BESON PAINT DE BACTUL SHALL BE COMPACTED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE COMPACTED TO SOST, BACTUL COMPACTED TO SOCK BACTUL BESON PAINT DE BACTUL SHALL BE COMPACTED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE ACCOMPANIED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE ACCOMPANIED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE ACCOMPANIED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE ACCOMPANIED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE SHALL BE COMPACTED TO SOST, BACTUL COMPACTED THE STOKE SHALL BE ACCOMPANIED TO SOME SHALL BE SHALL BE SHALL BE SHALL BE SHALL BE SHALL BE SOME SHALL BE SH
- AREAS SHALL BE COMPACTED TO BOST, BACCHILL BELOW PINED MERS SHALL BE COMPACTED TO SOS, BICKETL COMPACTOR THE STATE OF MERS SHALL BE MEDICAL BELOW THE SHALL BE SHALL BE WITHOUT THE STATE OF THE SHALL BE SHALL BE WITHOUT THE SHALL BE SHALL BE WITHOUT THE SHALL BE SHALL BE WITHOUT THE SHALL BE SHALL BE
- A MINIMUM COVER OF THREE (3.0) FEET IS REQUIRED OVER PROPOSED LINES UNLESS FRANSF INDICATED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE IF NECESSARY.
- 17. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE WESTERN VIRGINIA WATER AUTHORITY SANITARY SEWER STANDARDS. WATER NOTES
- 1. A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VALUES AFTER PAVING AND ADJUSTMENT FOR FINAL GRADE IF NECESSARY.
- 3. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS
- 4. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHTS-OF-WAY SHALL BE COMPACTED ACCORDING TO V.D.O.T. STANDARDS.
- 5. LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.
- 6. WATER MAIN SHALL BE AS A MINIMUM SDR-14 PVC IN ACCORDANCE WITH AWWA C-909.
- 7. A CONTINUOUS AND UNFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL PIPE.
 STONES AND ROOKS FOUND IN THE TRENCH SHALL BE REJUVED FOR A DEPTH OF AT LEAST SIX (6).
 INCHES BELOW THE DOTTON OF THE PIPE AND THAPFED SELECTED FILL BEDONCY PROVIDED. AFTER
 THE PIPE HAS BEEN PLACED IN THE TRENCH, THE TRENCH SHALL BE BUCKFILLED WITH SELECTED
 THE REPORT OF THE TRENCH, THE TRENCH SHALL BE BUCKFILLED WITH SELECTED
 THE ONLY THE SHALL SHA MODIFIED PROCTOR (ASTM D-1557) USING CARE NOT TO DAMAGE THE PIPE
- ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH ROANOKE COUNTY UTILITY DEPARTMENT. COORDINATE INSPECTIONS FOR TESTING.
- ALL WATER SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST REVISION OF ROANOKE COUNTY WATER STANDARDS.

- NAME MITTER AND STRIFF NOTES:
 ALL CONSTRUCTION INCIDENCE AND INTERNAL SHALL CONFORM TO THE LATEST EDITION OF THE OSSION AND CONSTRUCTION STRAMARDS AND SEPERFACTIONS OF THE WESTERN WRIGHTM MITTER MITTERNATY (WHAM) ANALABLE AT WINNESTERMANMETERS OF BY CONTAINING FOR ALTHORITY (WHAM) ANALABLE AT WINNESTERMANMETERS OF BY CONTAINING AND THE MATCHING THE OBJECT SHALL ASSO COMEY WHITH THE ODDERMON JURISDICTION'S STAMMARDS AND OTHER ARCHOR'S STAMMARD SEE, VOID, THE OR, VOIL FILE WINNESSECTION'S STAMMARDS AND OTHER ARCHOR'S STAMMARD SEE, VOIL FILE ON, VOIL FILE WINNESSECTION'S STAMMARDS AND OTHER ARCHOR'S STAMMARD SEE, VOIL FILE ON, VOIL FILE WINNESSECTION'S STAMMARD AND OTHER ARCHOR'S STAMMARD SEE, VOIL FILE ON, VOIL FILE WINNESSECTION'S STAMMARD AND OTHER ARCHOR STAMMARD SEED, VOIL FILE WINNESSECTION'S STAMMARD AND OTHER ARCHOR STAMMARD AND OTHER ARCHOR STAMMARD AND OTHER ARCHOR STAMMARD.
- 2. A MINIMUM COVER OF THREE (3) FEET IS REQUIRED ON ALL WAVE WATER AND SEWER LINES.
- 3. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN THEIR EXACT LOCATIONS. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AND SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN THE AREAS OF CONSTRUCTION PRIOR TO STARTING WORK.
- 4. PLEASE SHOW ALL WAVA WATER AND SEWER UTILITIES ON ANY DEVELOPMENT PLAN.
- 5. THE LOCATION OF EXISTING UTILITIES ACROSS OR ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARLY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATELY CORRECT. THE CONTINCTOR SHALL ON HIS OWN INTHINE AND AT NO EITHER COST, LOCATE ALL MILDERFENDING LINE STRUCTURES AND POTHOLE AS NECESSARY. THE CONTINUCTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO LINEGREGIOUS DISCRIPTIONS. BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 6, PLAN APPROVAL BY THE WINIA DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATE ANY EXISTING CONFLICTS FOUND DURING CONSTRUCTION.
- ALL PRIVATE UTILITY CONSTRUCTION, I.E. PIPING, VALVES, HYDRANTS, METERS AND BOXES, CLEAN OUTS, SAWITARY SERVER MANULESS, BEDDING, ETC. SHALL COMPLY WITH THE CURRENT VIRGINIA UNIFORM STATEWIDE BUILDING CODE (MCLUDING MEMODIENTS).
- 8. THE CONTRACTOR SHALL MANTAIN A MINIMUM OF 18 CLEARANCE VERTICALLY AND TWO (2) FOOT MINIMUM HORIZONIALLY FROM THE OUTSIDE OF PIPE TO OUTSIDE OF PIPE WITH ALL OTHER UNDERGROUND UTLITUS. MEETE THIS CONNOT BE ACHIEVED, ADDITIONAL MESSURES IN ACCORDANCE WITH WHAM STANDARDS SHALL BE ENFORCED.
- 9. ALL UTILITY GRADE ADJUSTMENTS SHALL BE IN ACCORDANCE WITH WYWA STANDARDS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. FIELD CHANGES SHALL BE SUBMITTED BY THE ENGINEER OF RECORD TO THE LOCALITY AND APPROVED BY THE WAVIA.
- 11. PRIOR TO REQUESTING SUBSTANTIAL COMPLETION INSPECTION BY THE WAWA, THE DEVELOPER MUST SUBMIT AS BUILTS FOR REVIEW AND APPROVAL.

WVWA WATER AND SEWER NOTES (CONTINUED)
WATER SERVICE CONNECTION - STANDARD MET STANDARD METER CONNECTION SHALL BE INSTALLED WHEN STATIC PRESSURE IS LESS THAN 120 PSL

WATER METER BOX AND ACCESSORES THEREIN NECESSARY FOR STANDARD METER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR JUST WITHIN RIGHT-OF-MAY/DISCMENT AT THE PROPERTY USE AS SHOWN ON CONSTRUCTION PLANS METER METER BOX AND METER SETTER SHALL BE FURNISHED AND INSTALLED AS SHOWN IN THE DETAIL DRAWNICS, ALL METER SETTERS SHALL BE EQUIPPED WITH AN INFERM. LOCAMEZ WAVE AND GREVE VALUE.

FOR PRESSURE FAMONG BETWEEN 80-120 PSI IT IS RECOMMENDED THAT A PRESSURE REDUCING VALVE (PRV) BE INSTALLED OUT THE PROVINCE FOR PROVINCE THE PROVINCE FULLIBROW, AND DESIGNED COMPLANCE WITH UNFORM STATEMED BULLION COOK, ANALYSE THE OFFICENCE AND STATEMED STATEMED COOK, ANALYSE THE OFFICENCE OF THE PROVINCE WITH THE PRV BE INSTALLED IN A SEPARATE MICHER BOX AND THAT DISTANCES FOR MAINTAINANCE AND THE WRITE WITH FIRE DUE. HIS TOSALLADION WILL ALLOW EST ACCESS FOR MAINTAINANCE AND WILL REDUCE THE PRESSURE ON THE SERVICE LINE BETWEEN THE PROV AND THE STRINGER.

1.PIPE & FITTINGS: ALL SANTARY SEWER PIPE AND FITTINGS SHALL BE POLYVINYL CHLORIDE (PVC), SDR 35, AND SHALL CONFORM WITH ASTM D-3034.

2.INSTALLATION: THE SANITARY SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE PIPE ZASSIZAZIOZE IN SOVIETO SERIO PER SOVIETO SERIO PER SOVIETO IN RECOGNICACI, MIN THE PER MANUFACINATO SERIO S

CS-1 GENERAL WATER AND SEWER SPECIFICATIONS

- QUALITY ASSURANCE

 A QUALIFICATION OF MANUFACTURERS PRODUCTS USED IN THIS WORK SHALL BE PRODUCED BY MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF SIMILAR ITEMS AND WITH A HISTORY OF QUALITY PRODUCTION ACCEPTABLE TO THE BADDYNIGHTS LITTLE OF THE STATEMENT LITTL
- B. QUALIFICATIONS OF INSTALLERS USE EXPERIENCED WORKERS TO ENSURE PROPER INSTALLATION OF THE PRODUCTS SPECIFIED HEREIN. IN THE ACCEPTANCE OR REJECTION OF INSTALLED WORK, NO ALLOWANCE SHALL BE MADE FOR THE LACK OF EXPERIENCE ON THE PART OF THE WORKERS.
- C. MAIN LINE CONSTRUCTION CAN ONLY BE PERFORMED BY CLASS A CONTRACTORS LICENSED BY THE COMMONWEALTH OF VIRGINIA.
- D. A PRECONSTRUCTION CONFERENCE SHALL BE HELD ON ALL WATER AND SEWER PROJECTS BY THE AT LEAST TWO DAYS PRIOR TO ANY CONSTRUCTION WORK BEING PERFORMENT. THE CONTRACTOR SHALL HAVE A REPRESENTATION OF APPROPRIATE AUTHORITY AT THIS MEETING. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR WINGST HAVE AN PRPROVED SET OF CONSTRUCTION COOKIENTS ON-STATE OF CONTRACTOR OCCURRENTS ON-STATE OF CONSTRUCTION CONTRACTOR.

1.2 LINES AND GRADES

- LINES AND GRACES
 A. PIPES SHALL BE LAID TRUE TO THE LINES AND GRACES SHOWN ON THE DRAWINGS EXCEPT AS AUTHORIZED BY THE PARTICIPATING UTILITY. THE GRACE SHOWN ON THE PROPILE IS THE WIRST TO WHICH THE WORK MUST CONFERN MORK HOT CONFIDENCE TO THE GRAVE SHALL BE CORRECTED BY THE CONTRACTOR AT HIS DIM EXPENSE IN
- B.
 C. LOCATIONS OF WATER AND SEWER LINES
- THE PARTICIPATING UTILITY RESERVES THE RIGHT TO MAKE CHANGES IN LINES AND GRADES OF PIPE LINES, AND IN LOCATIONS OF PIPES AND/OR APPURTENANCES WHEN SUCH CHANGES MAY BE NECESSARY OR ADVANTAGEOUS.
- 3. ANY DEMATION IN LOCATION OR LINE GRADE OF SEMER, OR THE LOCATION OR ELEMENT OF A MATER LINE, STRUCTURE OR PRIVIETEMENCE AS SHOWN ON THE CONTINENT DEMANNES, ULL REQUEST OF A PROPRIETE DEMANNES CLEARLY OF A PROPRIETE DEMANNES CLEARLY OF A PROPRIETE DEMANNES AND A PROPRIATE BEFORE ANY COMMISS ARE CONSTRUCTED. DESSIN DEMANCES OF RECORD MASS FORCIONE IN ANY PERSISON OF DEMANNES. MINOR FIELD CHANGES MAY SEE MUSE WITH PAPPROVAL OF THE PARTICIPATION DITATES CONSTRUCTED IN MISSECULOR.

1.3 SUBMITTALS

- UBBITULES ALL SUBMITULES SMUL BE MUDE IN ACCORDANCE WITH SECTION 6.17.
 (SHOP DUBBINGS AND SMRTES) OF THE STRAMMO GENERAL CONDITIONS OF THE
 CONDITIONS SMRTES SMRTES SMRTES STRAMMO SERVERAL CONDITIONS OF THE
 CONTROLLORS SMRTES SMRTES
- SHOP DRAWINGS AS A MINIMUM, THE FOLLOWING SHOP DRAWING INFORMATION SHALL BE SUBMITTED TO THE PARTICIPATING UTILITY FOR REVIEW AND APPROVAL:
- 1. COMPLETE BILL OF MATERIALS TO BE PROVIDED FOR THE WORK DESCRIBED UNDER
- MANUFACTURER'S CATALOG CUT SHEETS FOR ALL MATERIALS TO BE PROVIDED UNDER THIS SECTION.

1.4 RESPONSIBILITY FOR MATERIALS

- AGENIALITY OF MEMORY BY CONTRACTOR THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL FURNISHED BY HIM, AND SHALL KEFAGE AT HIS OWN EXPONSE ALL SOCIAL MATERIAL FURNISHED BY HIM, AND SHALL KEFAGE AT HIS OWN DEPORTS ALL SOCIAL MATERIAL FOUND DEFECTIVE IN MANIFACTURE OF DEMORSH OF MAMBRICATURE OF MAMBRICATION OF MAMBRICAN OF ALL MATERIALS AND LABOR REQUIRED FOR THE REPURCIONITY OF MATERIAL MATER DISCOVERED DEFECTIVE PRIOR TO THE FINAL ACCEPTANCE OF THE WORK
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Robert H. WAMPLER, JR. Lic. No. 34713 MAR. 1, 2022 MAR. 1, 2022 GRAPHIC SCALE PROJECT: 20007 2