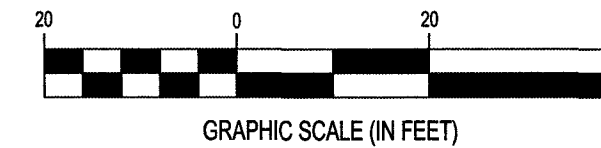


BRIXMOR GA APOLLO I SUB
HOLDINGS, LLC
INSTRUMENT NO. 120009239
TM#5470116
TRACT A1

*285' TO FIRE HYDRANT 11283
STATIC PRESSURE: 62 PSI
RESIDUAL PRESSURE: 51 PSI
FLOW: 1126 GPM
CALCULATED FLOW: 2061 GPM

ID: HYD-235025
STATIC PRESSURE: 62 PSI
RESIDUAL PRESSURE: 36 PSI
FLOW: 2000 GAL/MIN
CALCULATED FLOW: 2591.4 GAL/MIN

PRIVATE
INGRESS/EGRESS
EASEMENT
(40' R/W)



LEGEND

EXISTING

REFER TO C2.0 FOR EXISTING
FEATURES LEGEND

PROPOSED

PROPOSED	EXISTING
STM	BUILDING
SAN	STORM SEWER
W	SANITARY SEWER
G	DOMESTIC WATER SERVICE
UGE	GAS SERVICE
UGT	UNDERGROUND ELEC. LINE
CO	UNDERGROUND TEL. LINE
□	CLEAN OUT
□	GAS METER
□	WATER METER
□	IRRIGATION SYSTEM
□	BACKFLOW PREVENTOR
□	SEWER DUCT METER
□	WATER VALVE
□	FIRE HYDRANT

CODED NOTES:

- ELECTRIC SERVICE. CONTRACTOR TO COORDINATE WITH POWER COMPANY FOR CONNECTION.
- TELEPHONE SERVICE. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION.
- 2" WATER SERVICE LINE PER WESTERN VIRGINIA WATER AUTHORITY REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION.
- PROPOSED 1.5" WATER METER AND VALVE PER WESTERN VIRGINIA WATER AUTHORITY REQUIREMENTS. CONTRACTOR TO INSTALL PER COUNTY REGULATIONS AND REQUIREMENTS.
- NATURAL GAS SERVICE. CONTRACTOR TO COORDINATE WITH GAS COMPANY FOR CONNECTION.
- PROPOSED 6" LATERAL (DETAIL S-6) SANITARY SERVICE LINE WITH A RUBBER BOOT PER WESTERN VIRGINIA WATER AUTHORITY REQUIREMENTS. SERVICE LINE TO BE INSTALLED PER COUNTY REGULATIONS AND SPECIFICATIONS. CONTRACTOR TO VERIFY DEPTH OF EXISTING SANITARY MAIN FOR TIE-IN, AND CONFIRM WITH ENGINEER DESIGN IS ADEQUATE.
- PROPOSED 34" IRRIGATION LINE. WATER DUCT METER AND BACKFLOW PREVENTOR PER WESTERN VIRGINIA WATER AUTHORITY REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION. REFER TO IRRIGATION PLAN FOR DETAILS.
- PROPOSED 6" WATER LINE, 6" VALVE, AND FIRE HYDRANT PER WESTERN VIRGINIA WATER AUTHORITY AND CITY OF ROANOKE FIRE MARSHAL REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION. ALL "PUBLIC" AND "PRIVATE" FIRE HYDRANTS SHALL BE IDENTIFIED BY A SILVER COLORED BARREL. "PRIVATE" FIRE HYDRANTS SHALL HAVE A 5" LHM (LARGE DIAMETER HOSE) ADAPTER FOR STORZ COUPLINGS ATTACHED TO THE HYDRANT STEAMER CONNECTION.
- PROPOSED 5" WATERLINE EASEMENT.
- PROPOSED OIL/WATER SEPARATOR, REFER TO PLUMBING PLAN FOR DETAILS.

WATER NOTES:

- IN CONFORMANCE WITH ANSI A21.51 (AWWA C151) DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS, FOR WATER OR OTHER LIQUIDS AND ANSI A21.50 (AWWA C104) LESS SHALL BE COPPER TYPE K. SIZE TO BE AS NOTED IN PLAN VIEW. SERVICE CONNECTION TO HAVE MINIMUM COVER.
- ALL FITTINGS SHALL BE DUCTILE IRON IN CONFORMANCE WITH AWWA C110 OR AWWA C153. ALL FITTINGS SHALL BE RATED FOR 350 PSI WORKING PRESSURE. HAVE MECHANICAL JOINTS AND BE COATED AND CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104. ALL BOLTS AND NUTS SHALL BE COR-TEN.
- WATER LINE SHALL HAVE A MINIMUM BURY DEPTH OF 4'.
- A SEPARATE GATE VALVE, THE SAME SIZE AS THE METER CONNECTIONS, SHALL BE PLACED ON THE SERVICE PIPE ON BOTH SIDES OF THE METER. SUCH VALVES SHALL BE EQUAL IN QUALITY TO THE SERVICE COCK.

SANITARY SEWER NOTES:

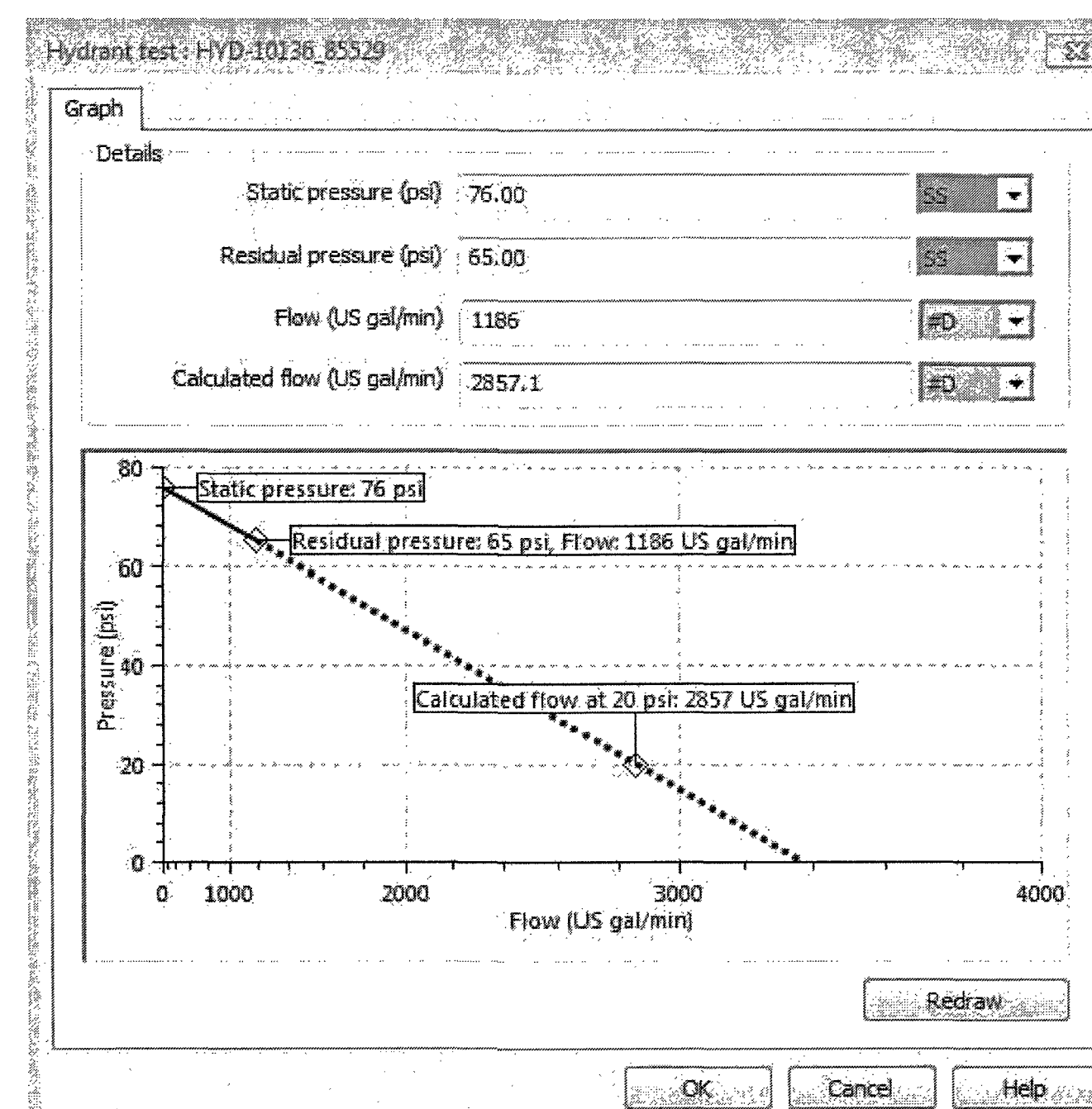
- ALL SANITARY SEWERS SHALL BE PVC, SDR 35 MATERIAL, CONFORMING TO ASTM SPECIFICATION D3034 WITH 3/4" STONE BEDDING.
- PVC PIPE SHALL HAVE AN INTEGRAL BELL AND JOINTS SHALL BE PREMIUM GASKETED JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 TO PROVIDE A WATERTIGHT SEAL AND SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STORM SEWER NOTES:

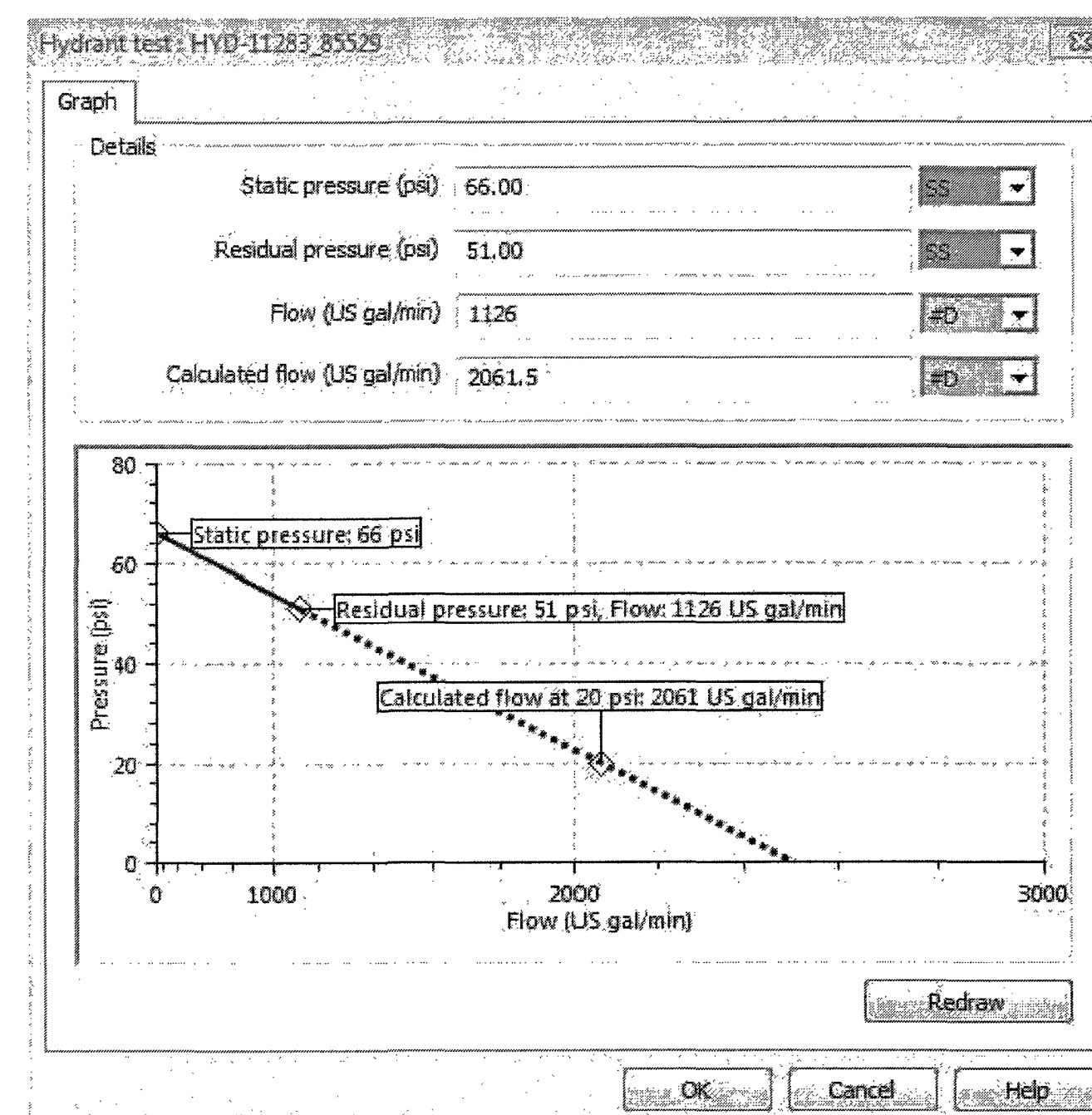
- SEE GRADING PLAN FOR STORM SEWER NOTES.

GENERAL UTILITY NOTES:

- COORDINATE ALL SITE UTILITY WORK WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS, AS-BUILT PLANS, AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTOR'S WORK FORCE.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL FEES ASSOCIATED WITH PERMITS REQUIRED TO PERFORM THE WORK PROPOSED ON THESE PLANS (I.E. TAPPING, INSPECTION, ETC.).
- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY AND WATER LINE SHALL BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE.)
- ALL LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- RIMS OF EXISTING STRUCTURES SHALL BE RAISED OR LOWERED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITH WATER TIGHT LIDS.
- DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, AND GAS SERVICE.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICTS, AS WELL AS COORDINATING WITH THE AUTHORITY HAVING JURISDICTION UTILITY REQUIREMENTS AS TO ASSURE PROPER LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
- ALL PROPOSED UTILITIES ARE LOCATED UNDERGROUND IN ACCORDANCE WITH SECTION 36.2-610 OF THE ZONING ORDINANCE.



EXISTING FIRE HYDRANT 10136 FIRE FLOW TEST RESULTS



EXISTING FIRE HYDRANT 11283 FIRE FLOW TEST RESULTS

UTILITY CROSSING SCHEDULE			
NO.	UTILITY	ELEVATIONS	DIFF.
A	6" SANITARY	B/PIPE = 1151.40	4.26
	72" STORM	T/PIPE = 1147.14	

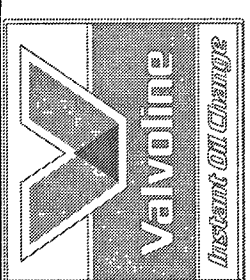
City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
by Ken Richardson
11/18/2019



FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

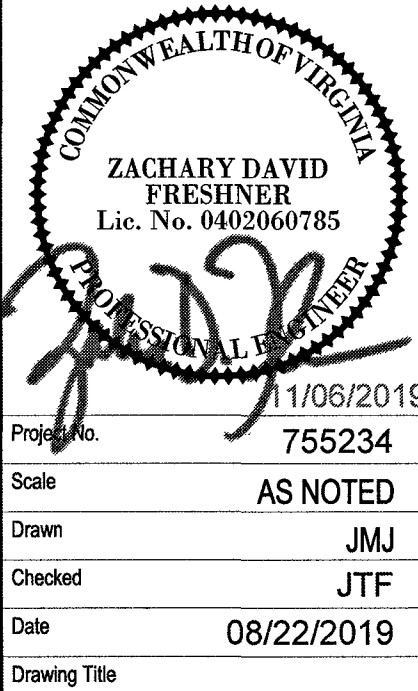


Revisions/Comments	Date
VDOT COMMENTS	11.06.2019
CONSTRUCTION SET	10.17.2019
BID SET	08.20.2019
CITY COMMENTS	07.19.2019
VDOT COMMENTS	06.18.2019
CITY COMMENTS	04.28.2019
OWNER REVIEW	10.22.2018



VALVOLINE INSTANT OIL CHANGE
4210 FRANKLIN RD. SW
ROANOKE, VA 24014

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Project No. 755234
Scale AS NOTED
Drawn JMJ
Checked JTF
Date 08/22/2019
Drawing Title

UTILITY PLAN

Drawing No. **C6.0**