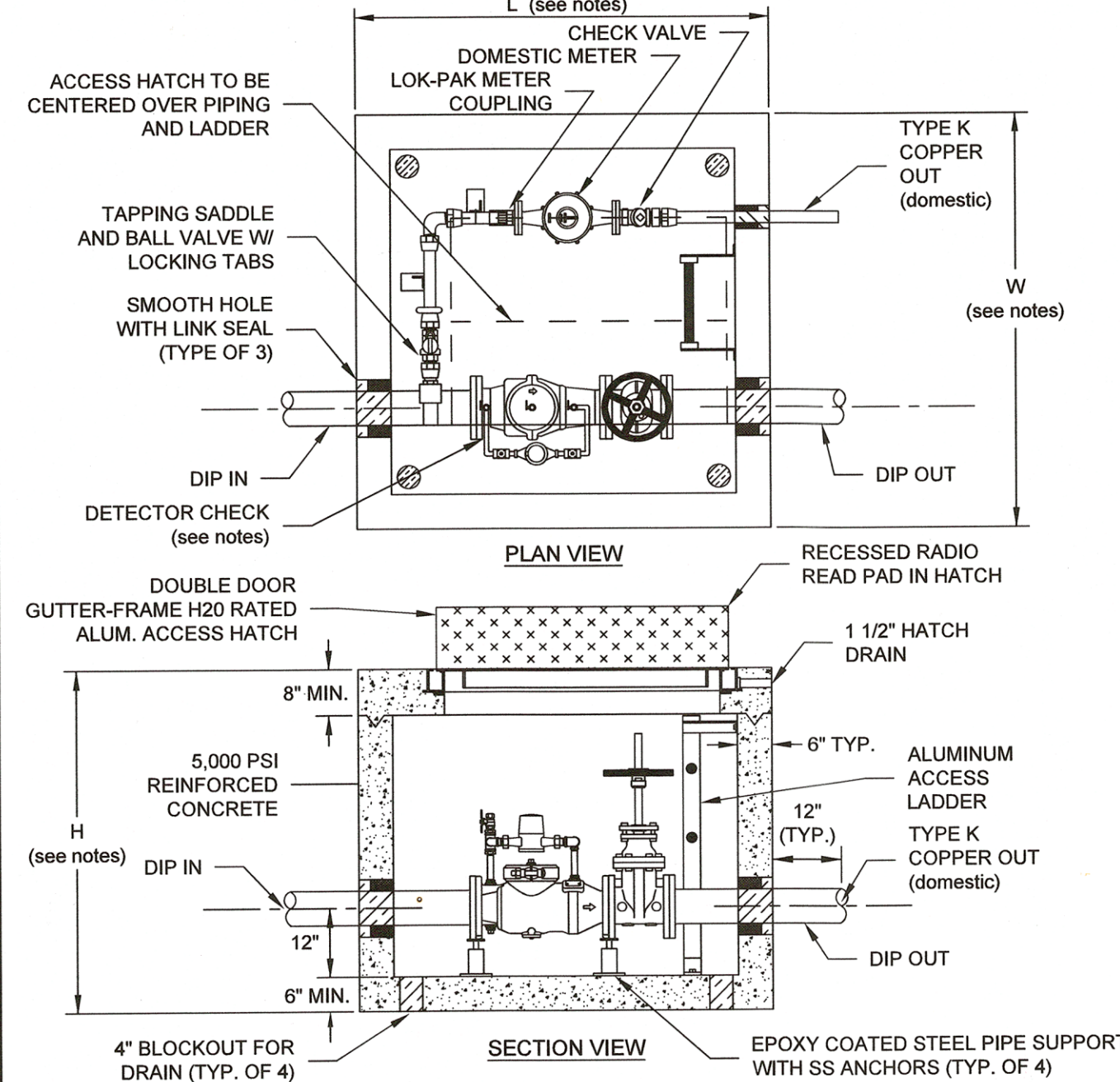


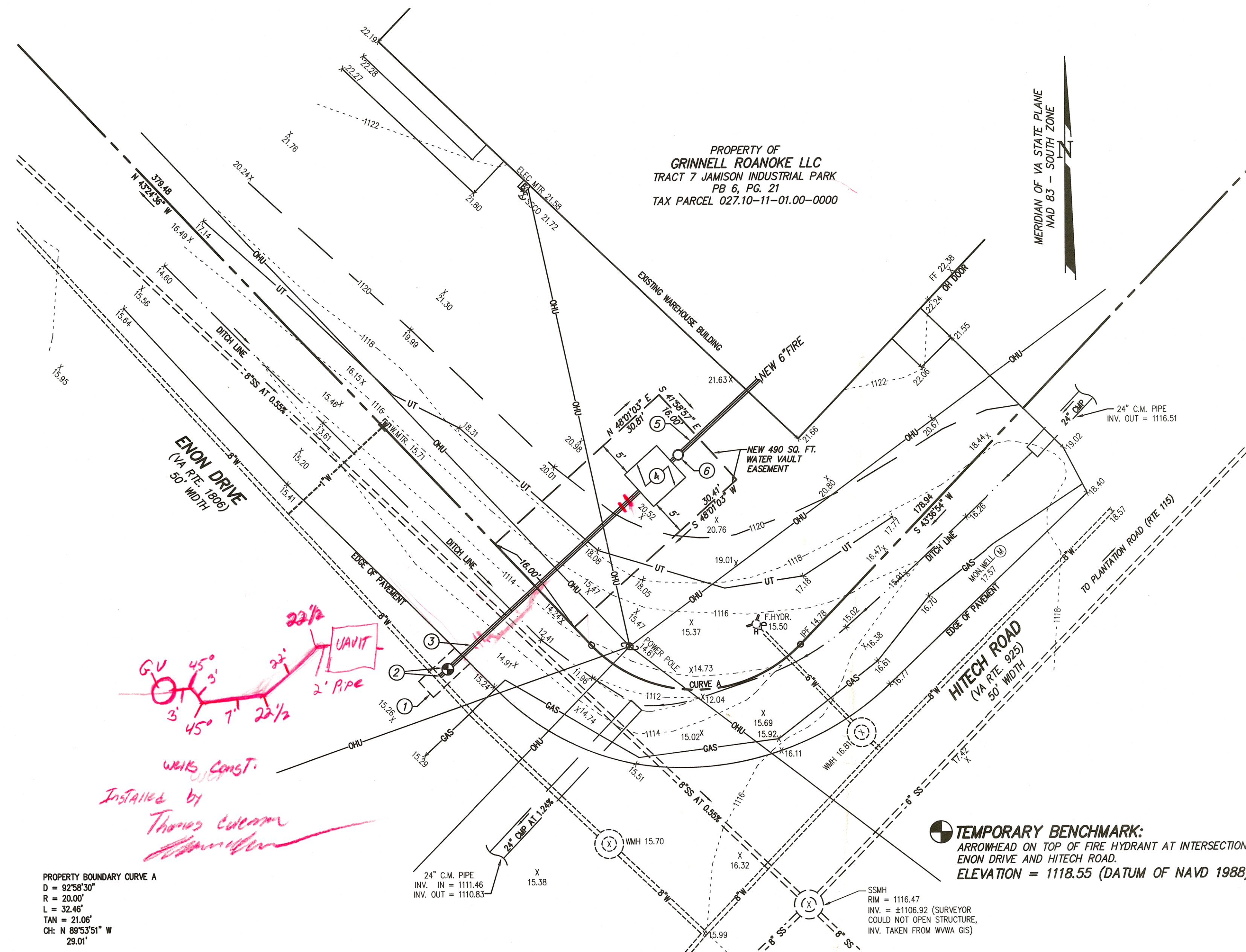
- FOR 6" FIRE LINE, EXTERIOR VAULT DIMENSIONS SHALL BE (L x W x H) 6' X 6' X 6' WITH DOMESTIC TAP MADE INSIDE VAULT AS SHOWN BELOW.
- FOR 8" FIRE LINE EXTERIOR VAULT DIMENSIONS SHALL BE (L x W x H) 6' X 6' X 6' WITH DOMESTIC TAP MADE OUTSIDE VAULT. BALL VALVE WITH LOCKING TABS SHALL BE PROVIDED INSIDE VAULT TO ALLOW FOR ISOLATION OF DOMESTIC METER.
- SINGLE DETECTOR CHECK VALVE SHALL BE WILKINS 310 DALM, WATTS ES-S507F - BP, OR APPROVED EQUAL WITH FLANGED END CONNECTIONS, BYPASS ASSEMBLY, AND ONE OS&Y GATE VALVE.
- BYPASS ASSEMBLY SHALL INCLUDE 2 BALL VALVES TO ISOLATE METER.
- DOMESTIC SHALL BE TYPE K COPPER WITH GRIP JOINT FITTINGS, BALL VALVE AT TAPPING SADDLE (WITH LOCKING TABS) AND CHECK VALVE ON OUTLET.
- DOMESTIC METER AND BYPASS METER TO BE SUPPLIED BY OWNER AND INSTALLED BY VENDOR.
- "UNI FLANGE" ADAPTOR FLANGE, OR APPROVED EQUAL, OR FLANGED - PLAIN END PIPING REQUIRED FOR INLET AND OUTLET PIPING.
- VAULT TO BE INSTALLED ON MIN. 6" COMPACTED VDOT #57 STONE WITH FILTER FABRIC PLACED BETWEEN BOTTOM OF VAULT AND STONE BEDDING. FILTER FABRIC TO EXTEND VERTICALLY A MINIMUM OF 6" ON ALL FOUR SIDES OF VAULT.



WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

COMMERCIAL METER VAULT

09/07/17 W-7



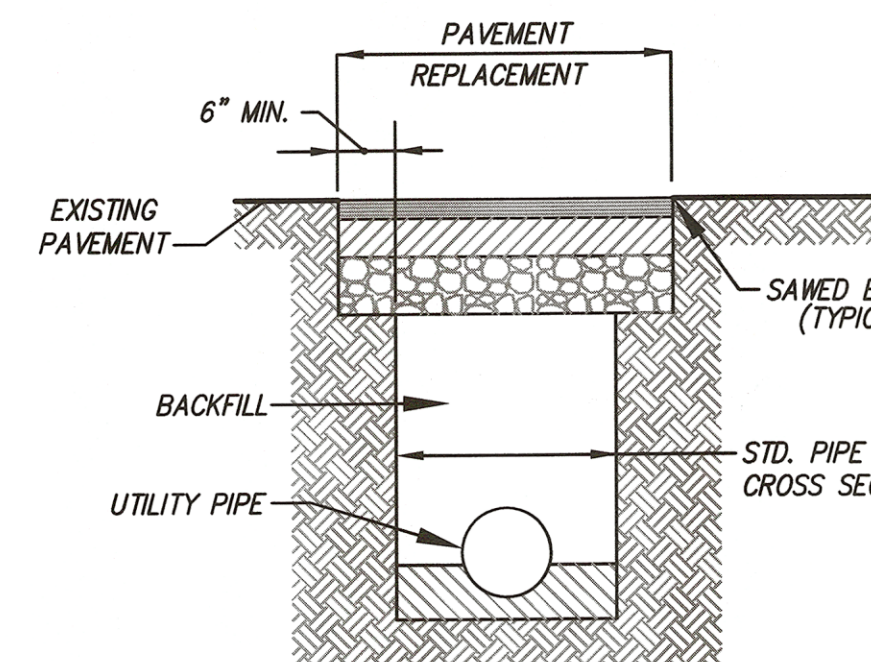
KEY NOTES - NEW FIRE SERVICE

- SAW-CUT EXISTING PAVEMENT FOR NEW INTERCONNECTION TO EXISTING WATER MAIN. SEE PAVEMENT REPLACEMENT DETAIL AND PAVEMENT REPLACEMENT SECTION FOR PAVEMENT REQUIREMENTS.
- PROVIDE A CUT-IN REDUCING TEE TO CONNECT NEW 6" FIRE LINE TO EXISTING 8" PUBLIC MAIN. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR, WITH INSPECTIONS BY THE WYMA. INSTALL NEW 6" GATE VALVE AND TRAFFIC BEARING VALVE BOX. VALVE SHALL BE CONNECTED TO REDUCING TEE. COORDINATE INSPECTION REQUIREMENTS WITH THE WYMA.
- PROVIDE NEW 6" PUBLIC WATERLINE BETWEEN NEW GATE VALVE AND NEW VAULT.
- PROVIDE NEW 6'x6' TYPE "W-7" FIRE VAULT, SEE DETAIL THIS SHEET. DISREGARD ALL REFERENCES TO DOMESTIC PIPE AND FITTINGS IN THE DETAIL, AS THE PROPOSED VAULT IS FOR FIRE SERVICE ONLY.
- PROVIDE NEW 6" PRIVATE WATERLINE FROM VAULT TO INTERCONNECT WITH NEW FIRE SUPPRESSION SYSTEM IN THE BUILDING.
- PROVIDE NEW POST INDICATOR VALVE (PIV) ASSEMBLY. INTERCONNECT WITH FIRE SUPPRESSION PANEL AS REQUIRED BY SPRINKLER CONTRACTOR.

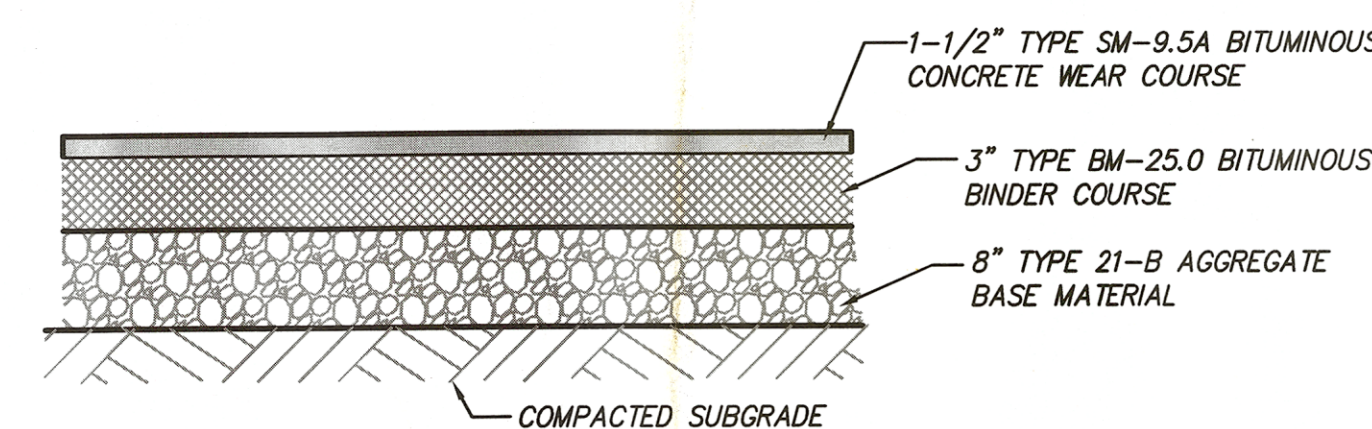
SEE SPRINKLER / SITE PLAN PREPARED BY VSC FIRE & SECURITY INC. FOR LOCATION OF NEW FIRE DEPARTMENT CONNECTION (FDC).

TEMPORARY BENCHMARK:
ARROWHEAD ON TOP OF FIRE HYDRANT AT INTERSECTION
ENON DRIVE AND HITECH ROAD.
ELEVATION = 1118.55 (DATUM OF NAVD 1988)

| | EXISTING | NEW | |
|--------|------------------|------------------|--------------------------------|
| APPROX | 100.5 | 100.5 | SPOT ELEVATION |
| BC | ----- 100 ----- | ----- 100 ----- | CONTOURS |
| BIT | ===== 8"SS ===== | ===== 8"SS ===== | SANITARY SEWER LINE |
| BLDG | ----- 4"W ----- | ----- 4"W ----- | WATERLINE |
| BLK | ===== 8"SD ===== | ===== 8"SD ===== | STORM DRAIN |
| CMP | ----- 2"G ----- | ----- 2"G ----- | GAS LINE |
| CONC | ----- E ----- | ----- E ----- | OVERHEAD ELECTRIC LINE |
| EP | ----- T ----- | ----- T ----- | OVERHEAD TELEPHONE LINE |
| EXIST | ----- CATV ----- | ----- CATV ----- | OVERHEAD CABLE TELEVISION LINE |
| FDN | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| FG | ----- UT ----- | ----- UT ----- | UNDERGROUND TEL OR ELEC LINE |
| INV | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| IPF | ----- UT ----- | ----- UT ----- | UNDERGROUND TEL OR ELEC LINE |
| MIN | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| PVMT | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| REQD | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| SAW | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| SD | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| SS | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| SSE | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| STD | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| TBM | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| TC | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| TYP | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |
| VDOT | ----- UE ----- | ----- UE ----- | UNDERGROUND TEL OR ELEC LINE |



PAVEMENT REPLACEMENT
NO SCALE

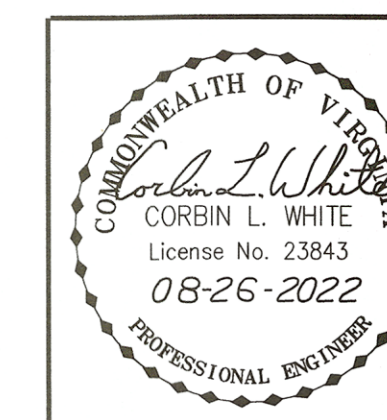
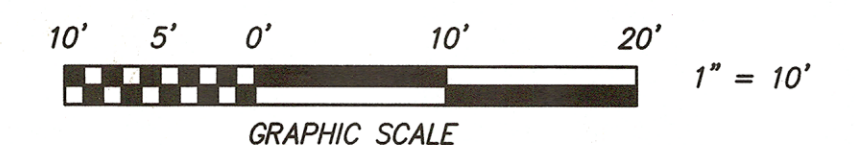


PAVEMENT REPLACEMENT SECTION - HEAVY DUTY
NO SCALE

APPROVED

By Aaron Shearer at 2:41 pm, Aug 26, 2022

ALL NEW WATERLINE MATERIALS, FABRICATION, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS.



Designed: C.L. White
Drawn: C.L. White
Checked: C.L. White
Date: August 16, 2022
Scale: 1" = 10'
Tax Parcel: 027.10-11-01.00-0000
Field Book: CH-27
W.O. No.: 22-0059

NEW FIRE SERVICE LATERAL AND VAULT
FOR
VSC FIRE & SECURITY INC.

TO BE CONSTRUCTED FOR NEW FIRE SUPPRESSION SYSTEM
TRACT 7 JAMISON INDUSTRIAL PARK (P.B. 6, PG. 21)

SITUATE 7703 ENON DRIVE
HOLLINS MAGISTERIAL DISTRICT
COUNTY OF ROANOKE, VIRGINIA



CALDWELL WHITE ASSOCIATES

ENGINEERS / SURVEYORS / PLANNERS

4203 MELROSE AVENUE
P.O. BOX 6266
ROANOKE, VIRGINIA 24017-0260
(540) 366-3400
FAX: (540) 366-8702

REVISED AUGUST 26, 2022 PER WYMA REVIEW - C.L. White