

GENERAL SITE CONSTRUCTION NOTES

WATER NOTES

A minimum cover of three (3) feet is required over proposed water lines.

All water lines shall be installed as shown on the plans. All pipes, valves, and fittings shall be in accordance with the latest edition of the AWWA standards and all local codes and water lines shall be pressure tested, disinfected, and tested in accordance with AWWA standards (latest edition), and with local codes and their standards.

The Contractor shall provide all materials, equipment, and necessary tools and shall perform all work required for installation, testing, and flushing.

All trenches shall be thoroughly compacted to prevent settlement and damage to future pavement and structures.

Contractor is responsible for locating and uncovering all valve vaults, meters, etc., after paving and adjusting to final grade.

SEWER NOTES

A minimum cover of three (3) feet is required over all lines.

All sanitary sewer work shall be constructed to the lines and grades indicated. Pipe bedding and backfill shall be carefully controlled. All work shall comply with local codes.

Installation shall begin at the downstream and proceed upstream. All trenches shall be thoroughly compacted to prevent settlement and damage to future pavement and structures.

Buried sanitary sewer pipe shall be SDR35 PVC. Ductile-iron pipe, Class 52, to be used if cover is less than 3 feet.

Contractor is responsible for locating and uncovering all cleanouts, manholes, etc., after paving and adjusting to final grade.

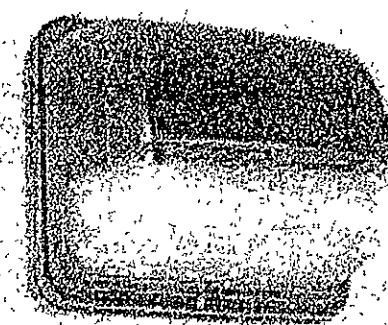
MATERIAL NOTES

PVC plastic gravity pipe (4" through 15") shall meet SDR-35 requirements for ASTM D3034, and (18" through 27") ASTM-F879. Fittings and pipe shall be of a gasket push on joint type meeting ASTM D3212. Fittings shall conform to the requirements of ASTM D3034.

PVC plastic pressure pipe 2" to 4" in diameter shall meet DR21 PVC requirements for ASTM D2241.

Wall-Pak

TWA
Contour Series®



WALL-MOUNTED LIGHTS

Wall-Mounted Mini Area Lighter, Polycarbonate Retractor, Lamp Included
Use - for entrances, stairwells, corridors and other pedestrian areas

CATALOG NUMBER

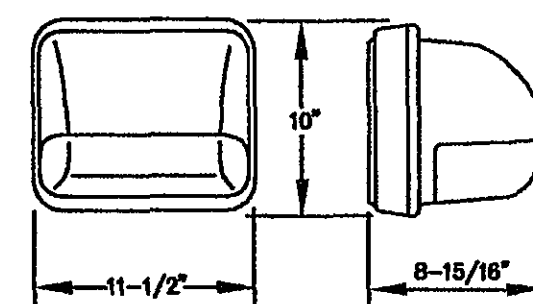
DESIGNATION:

METAL HALIDE

WATTAGE BALLAST WEIGHT

#5 → 70W TWA 50M 70W XHP 14 Lbs.

#6 → 100W TWA 100M 100W XHP 14 Lbs.

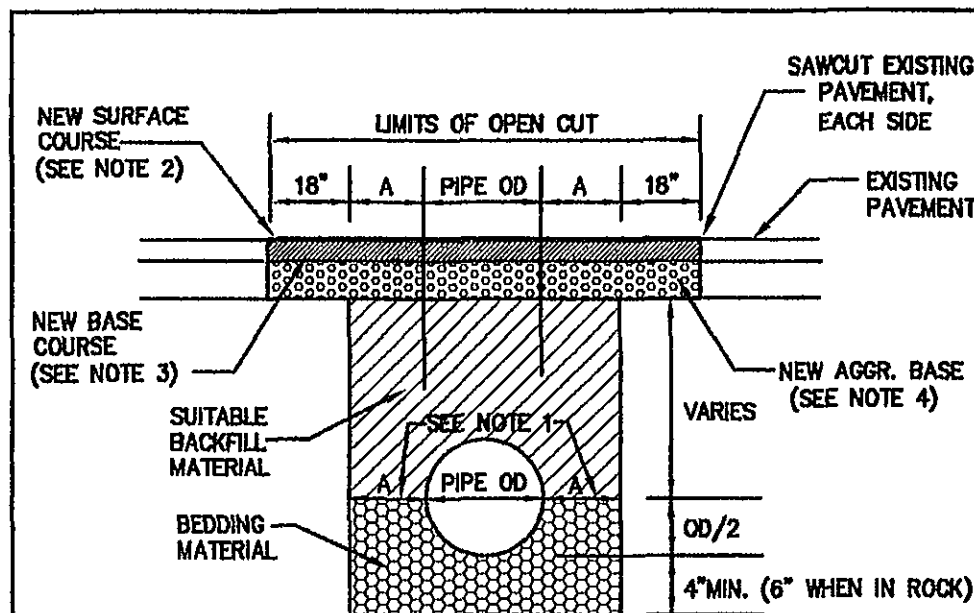


NOTES

CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR ROUTING OF ELECTRIC, TELEPHONE, CABLE AND GAS SERVICES TO THE NEW BUILDING.

REFER TO PLUMBING PLANS FOR UTILITY SERVICE CONNECTION LOCATIONS AT THE BUILDINGS PRIOR TO BEGINNING SITE INSTALLATION.

WATER & SEWER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND REGULATIONS AS SET FORTH IN THE LATEST EDITION OF THE WESTERN VIRGINIA WATER AUTHORITY, WATER AND WASTEWATER RULES AND REGULATIONS.



NOTE 1. DIMENSION "A" SHALL BE 12" WHEN TRENCH IS 10 FEET OR LESS DEEP FROM INVERT OF PIPE, & 18" WHEN TRENCH IS GREATER THAN 10 FEET DEEP.

NOTE 2. COMPACTED ASPHALT CONCRETE SURFACE COURSE, 1.5" OF TYPE SM-9.5 AL.

NOTE 3. COMPACTED ASPHALT CONCRETE BASE COURSE, 3" OF TYPE BM-2

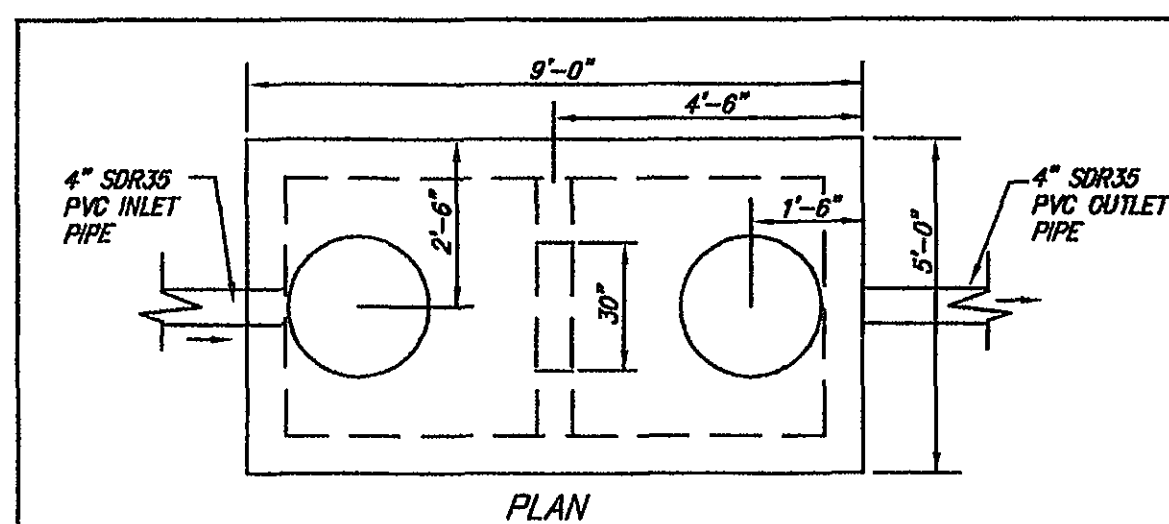
NOTE 4. COMPACTED AGGREGATE BASE MATERIAL SHALL BE 6" TYPE 1, SIZE 21 OR 21A.

THE BACKFILL IN THE TRENCH SHALL BE SUITABLE AND THOROUGHLY COMPACTED IN 6" LAYERS BY TAMPING OR BY OTHER APPROVED METHOD BEFORE THE OPENING IS PAVED. NO EXCAVATIONS UNDER THE EXISTING PAVEMENT WILL BE PERMITTED. SHEETING OR SHORING SHALL BE USED WHEN REQUIRED BY THE DEPTH OF THE TRENCH OR MATERIAL IN ACCORDANCE WITH THE VIRGINIA O.S.H.A. STANDARDS. BACKFILL MATERIAL SHALL BE FREE FROM RUBBISH, MUCK, LARGE STONES, GREATER THAN 6" DIAMETER, OR OTHER UNSUITABLE MATERIALS.

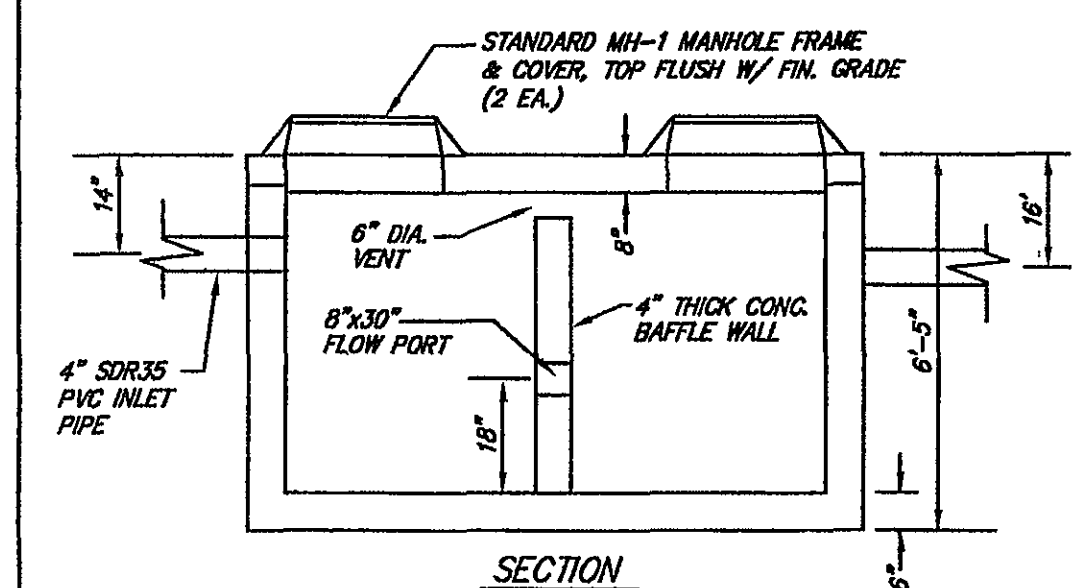
BEDDING MATERIAL SHALL BE WELL-GRADED, HARD, DURABLE AGGREGATES AND SHALL BE NO. 21, 21A, OR 22 AS DEFINED IN THE LATEST REVISION OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS

PAVEMENT REPLACEMENT-OPEN CUT TRENCH

NTS



PLAN

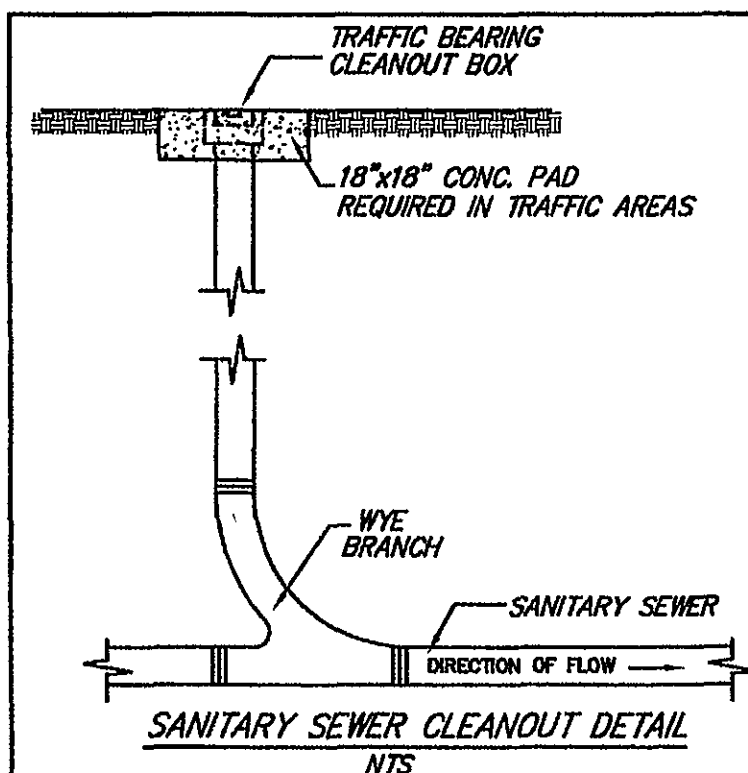


SECTION

GREASE TRAP SHOWN MANUFACTURED BY THE CLEARFLOW COMPANY

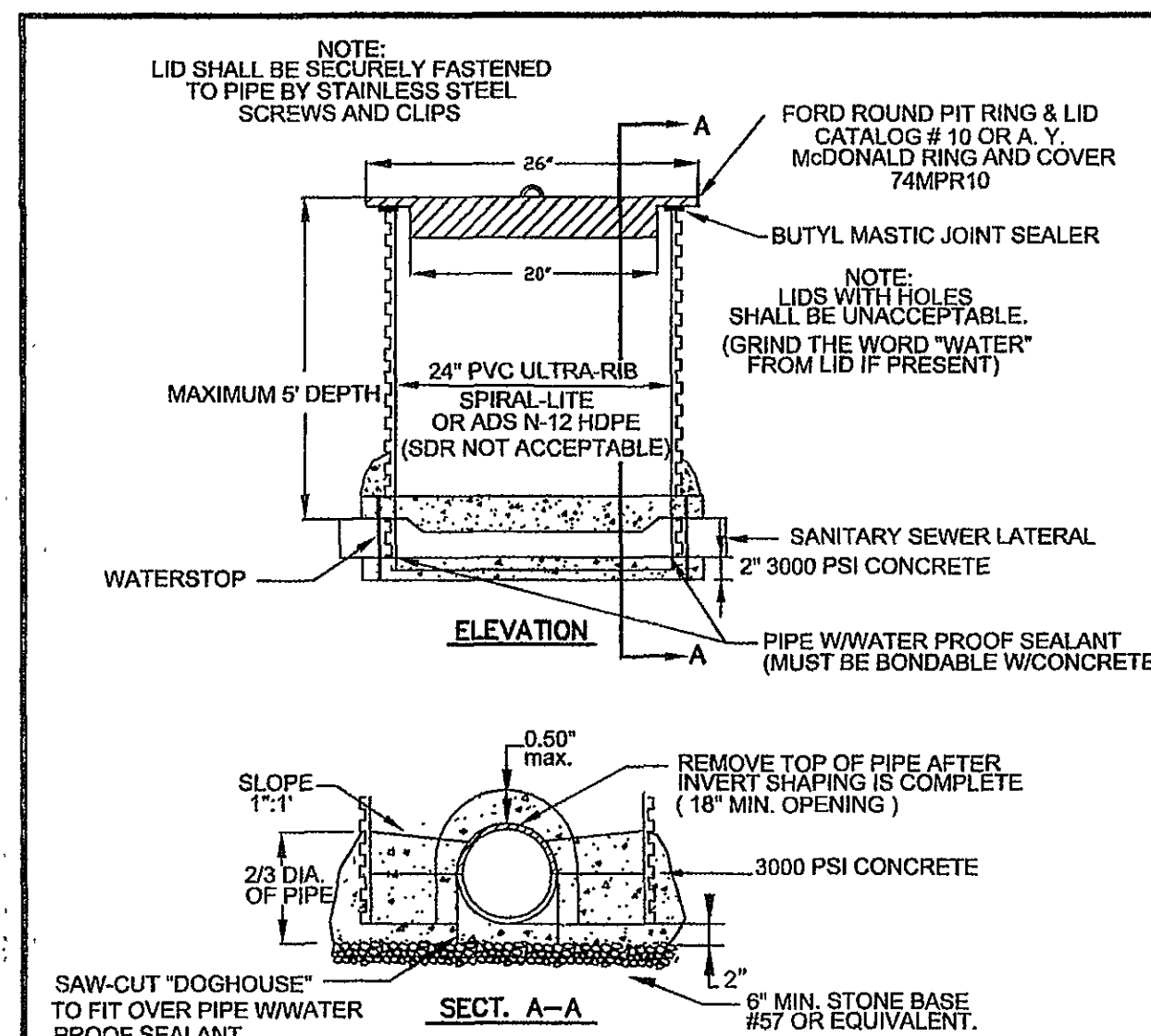
GREASE TRAP

NTS



SANITARY SEWER CLEANOUT DETAIL

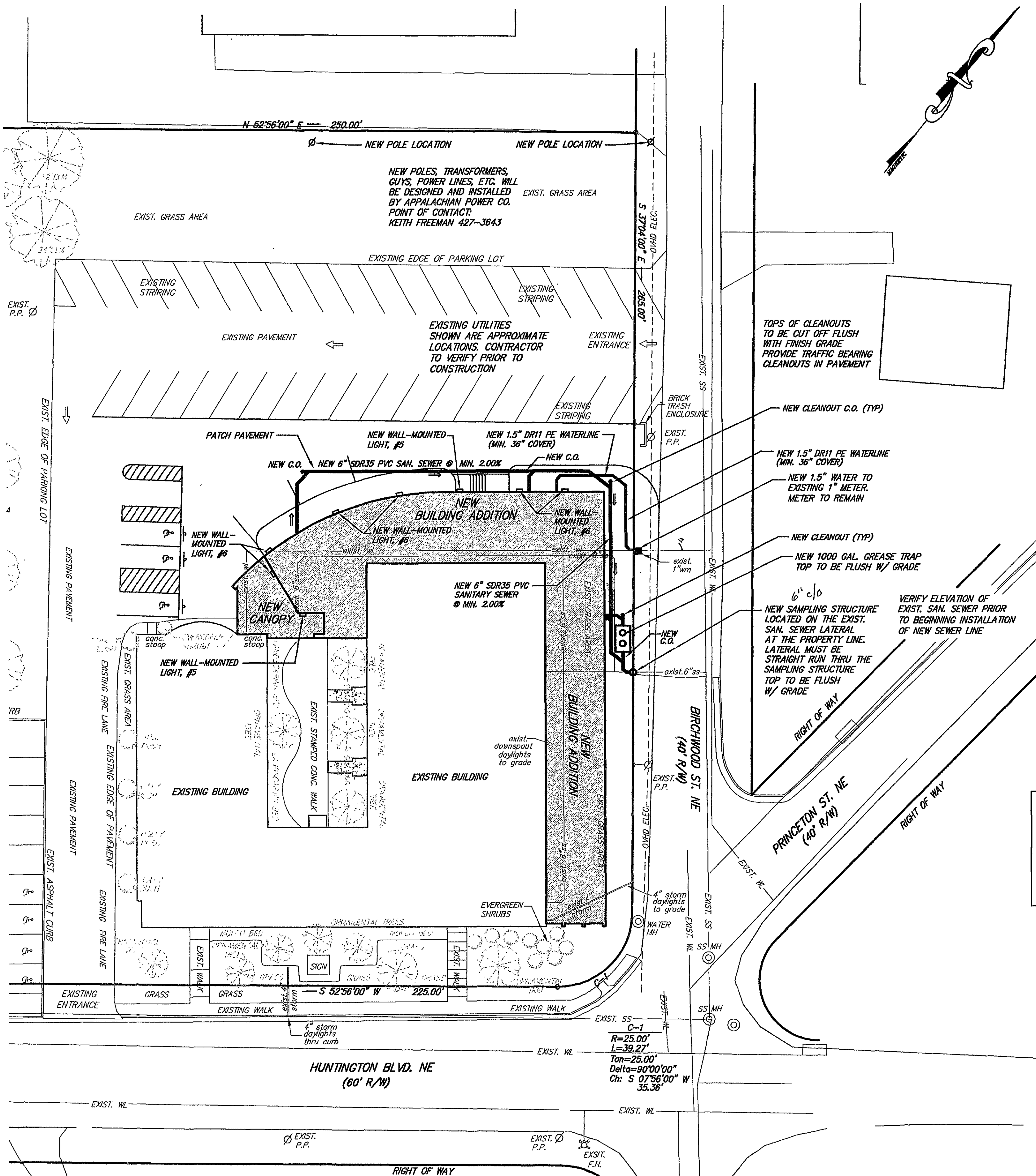
NTS



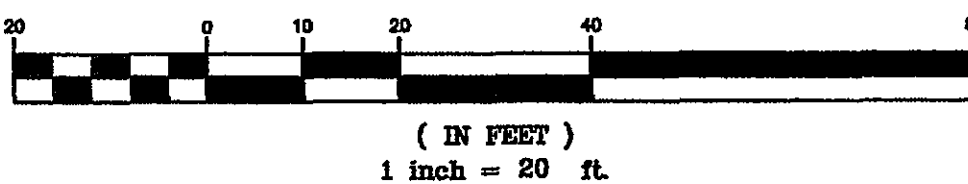
NOTES:
1. NOT ACCEPTABLE FOR USE IN TRAFFIC AREAS OR AREAS SUBJECT TO FLOODING.
2. VACUUM OR EXFILTRATION TESTING SHALL BE USED. VACUUM TESTING SHALL MEET THE SAME STANDARD FOR CONCRETE MANHOLES. EXFILTRATION TESTING SHALL HAVE NO LEAKAGE WITHIN 1 HOUR.
3. "AquaBlock" WASTEWATER ACCESS CHAMBERS MAY BE SUBSTITUTED. TRAFFIC BEARING BOXES WILL BE REQUIRED IF INSTALLED IN TRAFFIC AREAS. TESTING OF "AquaBlock" SHALL BE BY APPLICABLE PLUMBING CODE FOR SEWER LATERALS.
4. 2' DIA. CONCRETE WELL CASING 3000 PSI MAY BE SUBSTITUTED FOR ULTRA-RIB PIPE. ANY VERT. JOINTS IN THE CASING PIPE MUST BE BY BELL & SPIGOT CONNECTION WITH MASTIC.
5. INVERT SHAPING CHANNEL SHALL BE 180 DEGREES THROUGH SAMPLE MANHOLE. NO ANGLES, RADIUS, ETC ARE ALLOWED IN SAMPLE MANHOLES.

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

REVISION DATE	SAMPLING STRUCTURE DETAIL	S-07
07/01/04		
03/01/06		



GRAPHIC SCALE



DATE: FEB 14, 2007
BY: [Signature]
CHECKED: [Signature]
DESIGNED: [Signature]
REVIEWED: [Signature]

HUGHES ASSOCIATES ARCHITECTS
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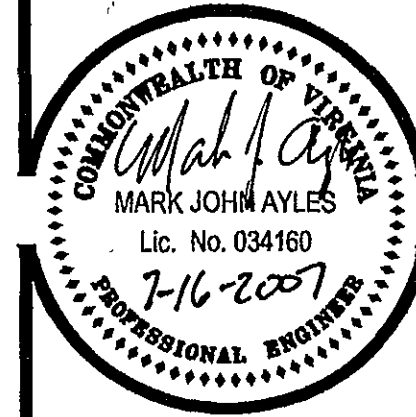
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ADDITIONS & RENOVATIONS FOR
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SITE UTILITY PLAN

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SHEET SP-3

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