DATE: May 21, 2007

REVISIONS
1 JULY 3, 2007
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HUGHES ASSOCIATES ARCHITECTS
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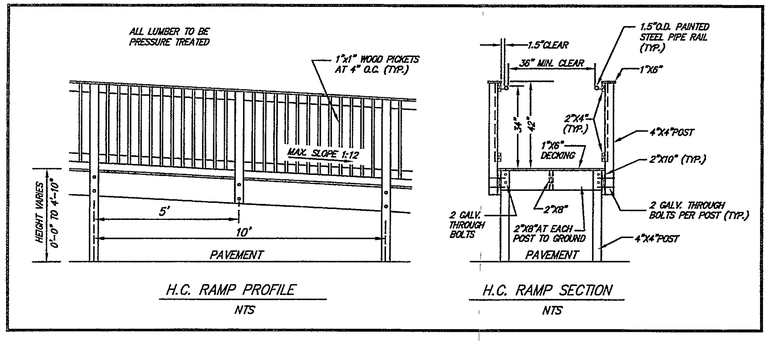
MOBILE CLASSROOM FOR PARKWAY HOUSE OF PRAYER

3230 King Street, NE Roanoke, Virginia



H.C. RAMP PROFILE — NTS

H.C. RAMP SECTION — NTS

SITE DATA

TOTAL SITE AREA: 8.856 AC. = 385,767 SF.
HEIGHT OF NEW BUILDING FROM PAVEMENT: 23.5 FT.
EARTH DISTURBANCE AREA DUE TO CONSTRUCTION: INCLUDES WATER & SEWER SERVICE INSTALLATION: 1,100 SF.

TOTAL POST CONSTRUCTION BUILDING FOOTPRINT AREA: 31,631 SF. +/-
TOTAL POST-CONSTRUCTION PAVEMENT/CONCRETE AREA: 123,359 SF. +/-

TOTAL POST CONSTRUCTION IMPERVIOUS AREA: 154,990 SF. +/-

POST CONSTRUCTION IMPERVIOUS SURFACE RATIO:
MAX. ALLOWED: 80%
PROVIDED: 154,990 SF./385,767 SF. = 40.18%

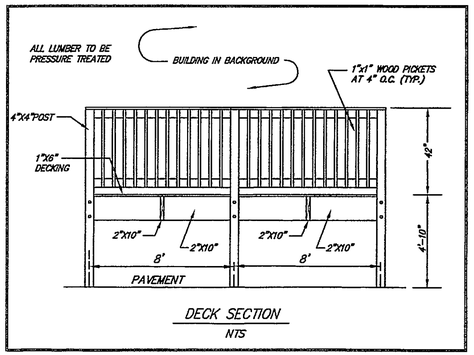
POST CONSTRUCTION FLOOR AREA RATIO:
ALLOWED: 10
PROVIDED: 31,631 SF./385,767 SF. = 0.08

PARKING REQUIREMENT:

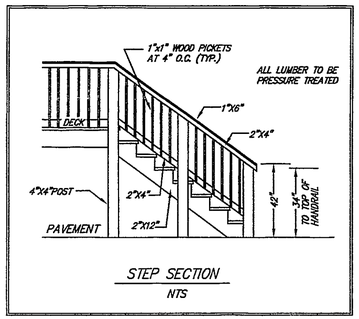
PARKING REQUIRED: 1 SPACE/4 SEATS OR 6 LF. OF BENCH SEATING IN PRINCIPAL PLACE OF WORSHIP

PARKING REQUIRED: 469 BENCH FT./ 6 = 78 SPACES
POST CONSTRUCTION PARKING PROVIDED: EXISTING SPACES = 353 SPACES
SPACES LOST = 19 SPACES
POST CONSTRUCTION PARKING TOTAL: 334 SPACES

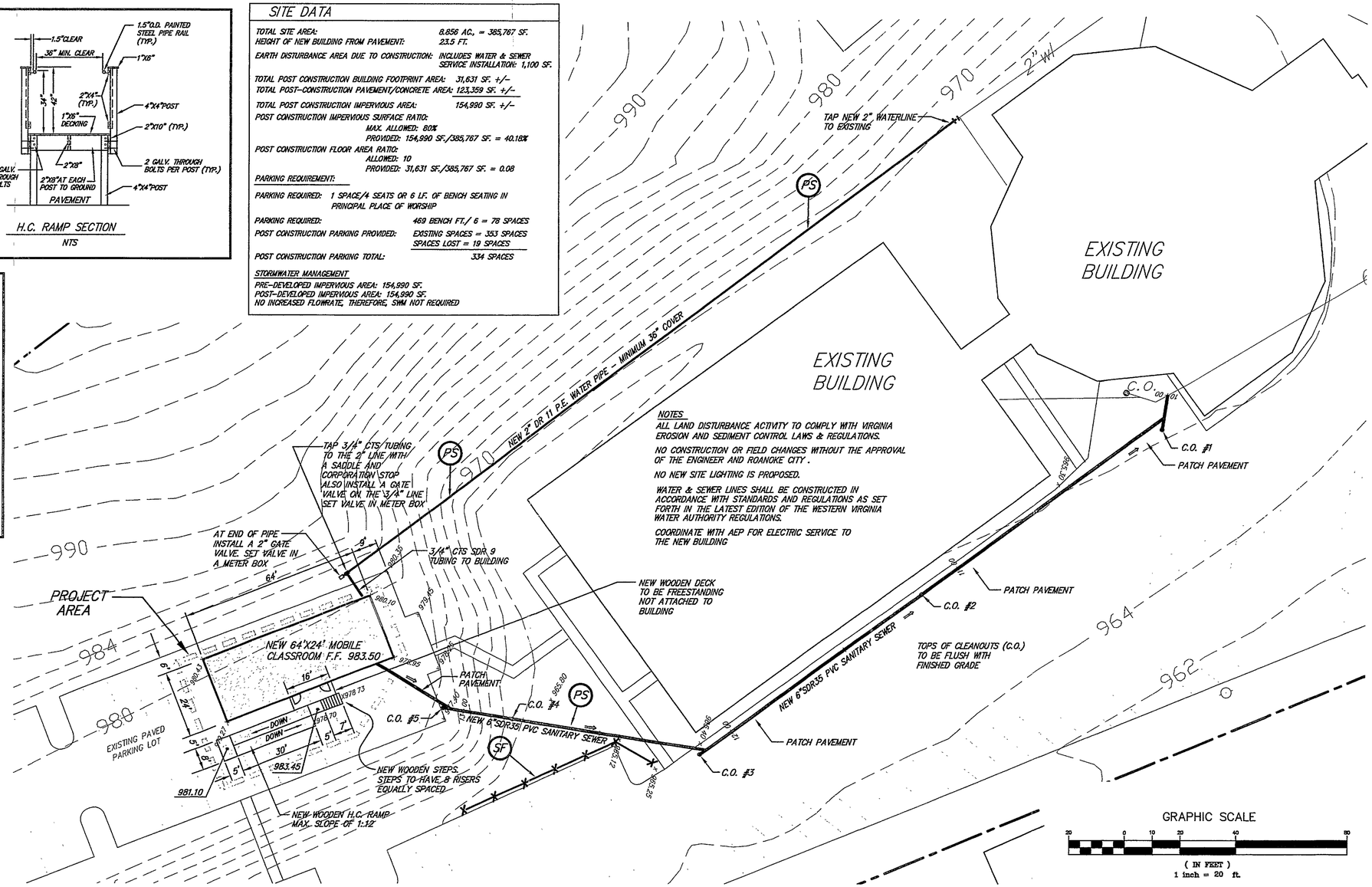
STORMWATER MANAGEMENT
PRE-DEVELOPED IMPERVIOUS AREA: 154,990 SF.
POST-DEVELOPED IMPERVIOUS AREA: 154,990 SF.
NO INCREASED FLOWRATE, THEREFORE, SWM NOT REQUIRED



DECK SECTION — NTS



STEP SECTION — NTS



NOTES
ALL LAND DISTURBANCE ACTIVITY TO COMPLY WITH VIRGINIA EROSION AND SEDIMENT CONTROL LAWS & REGULATIONS.

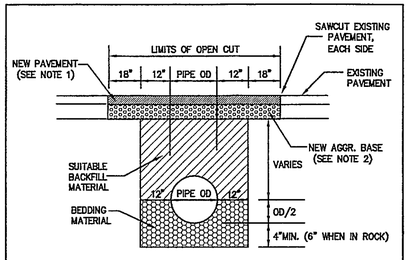
NO CONSTRUCTION OR FIELD CHANGES WITHOUT THE APPROVAL OF THE ENGINEER AND ROANOKE CITY.

NO NEW SITE LIGHTING IS PROPOSED.

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 REGULATIONS.

COORDINATE WITH AEP FOR ELECTRIC SERVICE TO THE NEW BUILDING

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

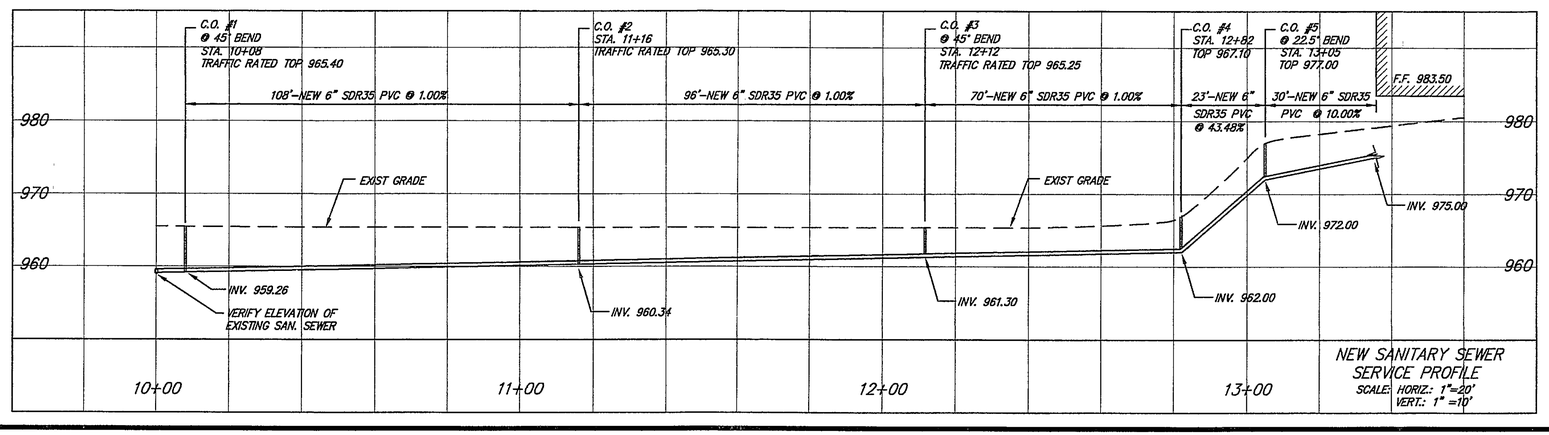


NOTE 1. ASPHALT SURFACE COURSE SHALL BE 2" TYPE SM-9.5 AL.
NOTE 2. AGGREGATE BASE MATERIAL SHALL BE 6" TYPE 1, SIZE 21 OR 21A.

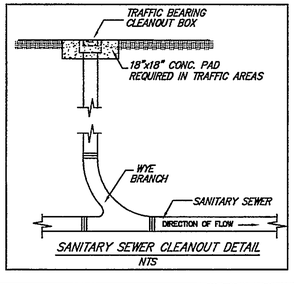
THE BACKFILL IN THE TRENCH SHALL BE SUITABLE AND THOROUGHLY COMPACTED IN 6" LAYERS BY TAMPING OR BY OTHER APPROVED METHOD BEFORE THE OPENING IS PAVED. NO EXCAVATIONS UNDER THE EXISTING PAVEMENT WILL BE PERMITTED. SHEETING OR SHORING SHALL BE USED WHEN REQUIRED BY THE DEPTH OF THE TRENCH OR MATERIAL IN 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



NEW SANITARY SEWER SERVICE PROFILE
SCALE: HORIZ.: 1"=20'
VERT.: 1" =10'



SANITARY SEWER CLEANOUT DETAIL — NTS

SITE DEVELOPMENT PLAN

COMMONWEALTH OF VIRGINIA
MARK JOHN AYLES
No. 034160
7-03-07
PROFESSIONAL ENGINEER

COMMISSION No. 07034

SHEET SP-2

No. 3 of 3

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