

NOTE: PRIOR TO BEGINNING ANY SITE WORK & ORDERING OF MATERIALS, CONTRACTOR SHALL FIELD VERIFY ALL UTILITY & DRAINAGE CONNECTIONS TO EXISTING SYSTEMS BY POT HOLING AND SHALL NOTIFY ENGINEER OF NEEDED CHANGES: FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ALL REVISION COSTS AND DELAYS.

GENERAL NOTES:

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- SITE CONDITIONS BASED UPON SURVEY SUBMITTED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED SITE INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION.
- FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.

FLOOD ZONE:

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 51085C 03059, EFFECTIVE DATE: DECEMBER 2, 2008, ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN.

SITE EXCAVATION REQUIREMENTS:

- A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. REFER TO PROJECT MANUAL.
- FOLLOW GEOTECHNICAL ANALYSIS RECOMMENDATION FOR SITE EXCAVATION.
- REFER TO STRUCTURAL DRAWINGS FOR BUILDING EXCAVATION REQUIREMENTS.

PIPES NOTES:

- PIPE MATERIALS SHALL BE IN ACCORDANCE WITH AND AS APPROVED BY THE CITY OR APPLICABLE AUTHORITY. REINFORCED CONCRETE PIPE (RCP) CLASS III AND SOLID WALLED PLASTIC PIPE MAY BE USED AS ALLOWED BY LOCAL GUIDELINES.
- ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER.

STORMWATER RUNOFF SUMMARY:

TOTAL PROPERTY AREA = 0.98 ACRES
TOTAL DISTURBED AREA = 0.70 ACRES < 1.0 ACRES THEREFORE A NOI IS NOT REQUIRED.
REFER TO SHEET C1.5 AND STORMWATER REPORT PREPARED BY ANDERSON ENGINEERING FOR COMPLETE STORMWATER CALCULATIONS.

RIP-RAP NOTE:

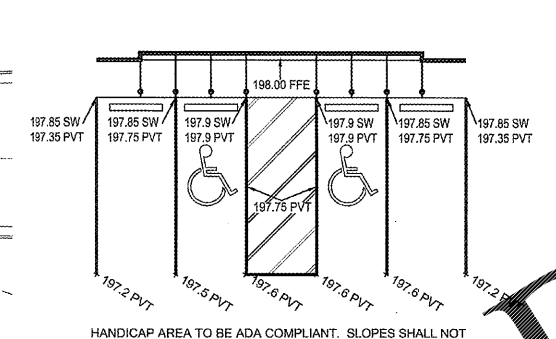
HAND PLACE RIP-RAP IN ALL PLACES AS INDICATED ON THE PLAN. THE STONE FOR RIP-RAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE AS NEARLY AS UNIFORM, IN SECTION AS PRACTICAL. THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE PURPOSE INTENDED UNLESS OTHERWISE SPECIFIED. ALL STONES USED AS RIP-RAP SHALL WEIGH BETWEEN 30-150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH. STONES SHALL BE A MINIMUM OF 6" IN DIAMETER AND PLACED A MINIMUM OF 18" BELOW FINISH GRADE.



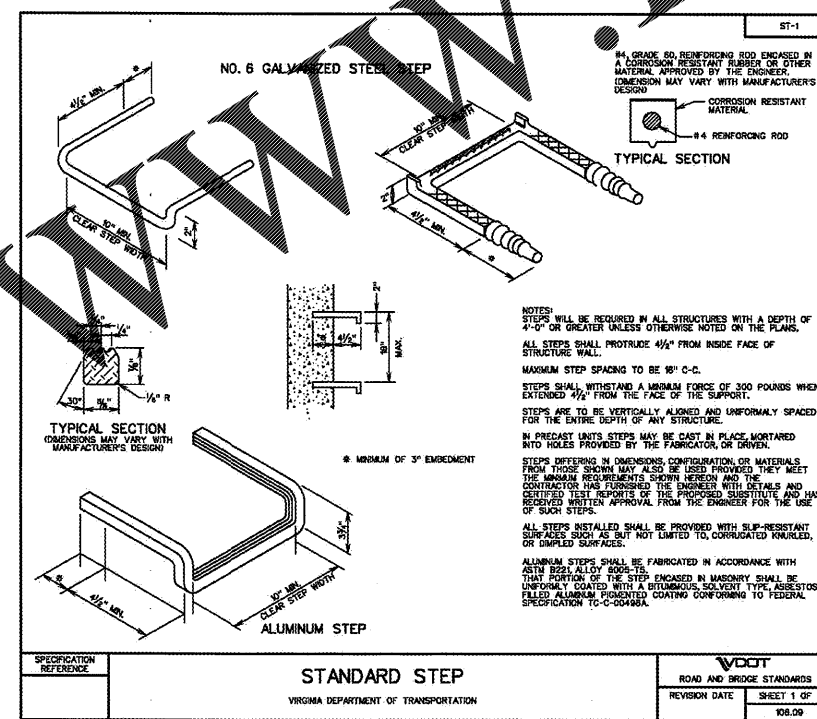
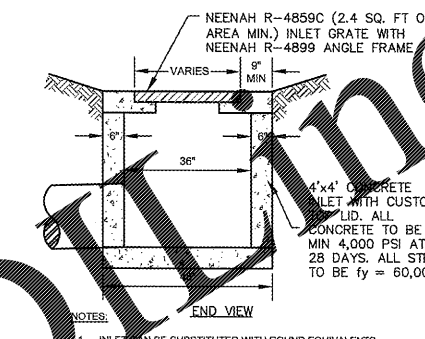
KEY NOTES:

- INSTALL APPROX. 4 LF OF 18" Ø PIPE. CONNECT TO EXISTING INLET @ INV = 192.3'. REFER TO PIPE NOTES.
- INSTALL 4' X 4' AREA INLET. RIM = 196.0' PIPE C1 INV = 192.4' PIPE C3 INV = 192.9'. REFER TO DETAIL 4/C1.1. VDOT STANDARD STEP (ST-1) TO BE INSTALLED IN ALL STRUCTURES GREATER THAN 4' HEIGHT PER DETAIL 3/C1.1.
- INSTALL APPROX. 172 LF OF 15" Ø PIPE. REFER TO PIPE NOTES.
- INSTALL 4' X 4' AREA INLET. RIM = 196.9' INV = 193.9'. REFER TO DETAIL 4/C1.1. VDOT STANDARD STEP (ST-1) TO BE INSTALLED IN ALL STRUCTURES GREATER THAN 4' HEIGHT PER DETAIL 3/C1.1.
- INSTALL 4' X 4' AREA INLET. RIM = 195.9' INV = 192.9'. REFER TO DETAIL 4/C1.1. VDOT STANDARD STEP (ST-1) TO BE INSTALLED IN ALL STRUCTURES GREATER THAN 4' HEIGHT PER DETAIL 3/C1.1.
- INSTALL APPROX. 28 LF OF 15" Ø PIPE. CONNECT TO EXISTING INLET @ INV = 192.5'. REFER TO PIPE NOTES.
- EXISTING INLET TO REMAIN. CONTRACTOR TO PROTECT EXISTING INLET. IF DAMAGED DURING CONSTRUCTION, CONTRACTOR TO REPLACE PER COUNTY REQUIREMENTS.
- CONTRACTOR TO FIELD VERIFY NEW SWALE DRAINS TO EXISTING INLET. NOTE THAT EXISTING UTILITY SERVICES ALONG BUILDING MUST REMAIN AND BE PROTECTED. PROVIDE SWALE AS-BUILT ELEVATIONS TO ENGINEER FOR APPROVAL.
- APPROXIMATE LOCATION OF DOWNSPOUTS. DOWNSPOUTS TO DISCHARGE ABOVE GRADE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.

2 HANDICAP PARKING DETAIL
C1.1 SCALE: 1" = 10'



4 4' X 4' AREA INLET
C1.1 SCALE: NOT TO SCALE



SPECIAL NOTE:
CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT DRIVEWAY ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SPECIAL NOTE:
FIELD VERIFY SANITARY SEWER CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. REFER TO SITE UTILITIES PLAN.

6 NOT USED
C1.1 SCALE: NOT TO SCALE

SYMBOLS LEGEND

REFER TO SURVEY (SV1) FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

SYMBOL	DESCRIPTION	ABBREVIATION
---	EXISTING GRADE LINES	---
---	PROPOSED NEW GRADE LINES	---
[Hatched Box]	NEW BUILDING CONSTRUCTION	[Hatched Box]
[Square]	NEW SIGN	[Square]
[Rectangle]	NEW CONCRETE PAVING BLOCK	[Rectangle]
[Dashed Line]	TEMPORARY EROSION CONTROL FENCE	[Dashed Line]
[Arrow]	SURFACE FLOW ARROW	[Arrow]
---	GRADE BREAK	---
[Star]	NEW SPOT ELEVATIONS	[Star]
[None]	LIST GRADE	NONE
[None]	SIDEWALK	SW
[None]	TOP OF WALL	TW
[None]	TOP OF CURB	TC
[None]	TOP OF PAVEMENT	PVT
[None]	NEW GRADE CONCRETE	CONC
[None]	EXISTING TOP OF CURB	ETC
[None]	EXISTING GRADE	EGD
[None]	EXISTING PAVEMENT	EPVT
[None]	EXISTING SIDEWALK	ESW
[None]	FLOW LINE	FL
[None]	TOP OF BERM	TOP
[None]	PROJECT BENCHMARK	[None]
[None]	FIRE HYDRANT, BOLT ABOVE CONNECTION POINT, NORTHEAST CORNER OF SUBJECT PROPERTY.	[None]
[None]	ELEVATION = 198.80'	[None]

DEVELOPER INFO:

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SPR-7-17
HTE 17-3000019

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PROJECT:
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SLIDING HILL PLACE
ASHLAND, VA #2 - ASHLAND MAGISTERIAL DISTRICT
SITE GRADING PLAN

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COMM # 3993
DATE: 2-24-17
REVISION
DATE: 8-16-17
11-3-17

C1.1