KEYNOTES:

(A) NEW STORM DRAIN (SD). REFER TO STORM DRAIN PROFILES ON SHEET C-23 AND C-24 FOR PIPE AND STRUCTURE DATA.

(B) NEW RETAINING WALL. SEE ENLARGED PLANS ON SHEET C-18 AND TYPICAL WALL SECTIONS ON SHEET C-20.

(C) REFER TO SHEET C-4 FOR LOCATION OF EXISTING AND NEW UTILITIES.

(D) NOT USED

(E) SLOPES STEEPER THEN 3H:1V SHALL HAVE APPROPRIATE SLOPE STABILIZATION MEASURES APPLIED. REFER TO EROSION & SEDIMENT CONTROL PLANS FOR ADDITIONAL INFORMATION.

(F) LIMITS OF CLEARING AND GRADING.

(G) CONTRACTOR TO CLEAR & GRUB DESIGNATED AREA, FINE GRADE TO UNIFORM SLOPE, TOPSOIL, SEED, AND PROVIDE STABILIZATION FABRIC (WHERE REQUIRED).

(H) NOT USED

(I) OFF-SITE STORM DRAIN SYSTEM. REFER TO SHEETS C-37 & C-46 FOR PLAN AND PROFILE.

(J) NEW SIGNAL POLE.

(K) MECHANICALLY STABILIZED EARTH SLOPE. REFER TO SHEETS C-20, C-37 & C-39 FOR ADDITIONAL INFORMATION.

(L) LOCATION OF FUTURE GAS STATION. THIS AREA TO BE KEPT FREE OF JOB TRAILER AND MATERIALS BY CONTRACTOR THROUGHOUT CONSTRUCTION.

SITE GRADING GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. NOT USED
4. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
5. STORM PIPE IS INDICATED ON THE PROFILES AND SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
   TYPE 1: RCP, CLASS III PER ASTM C-76,WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.
   TYPE 2: HIGH DENSITY POLYETHYLENE PIPE
6. SEE SHEETS C-23 THROUGH C-25 FOR STORM DRAIN PROFILES, MATERIALS AND INVERT DATA.
7. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT
8. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
9. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
10. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
12. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
15. TOPOGRAPHIC INFORMATION TAKEN FROM AN AERIAL TOPOGRAPHIC SURVEY BY AIR SURVEY CORP., IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
16. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL SEED DISTURBED AREAS IN ACCORDANCE WITH COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. REFER TO EROSION AND SEDIMENT CONTROL PLANS FOR ANNOTATION REQUIREMENTS.
17. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
18. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.

SCALE IN FEET
0 50 100

COMMONWEALTH OF VIRGINIA
WM. THOMAS AUSTIN
No. 030907
PROFESSIONAL ENGINEER

Revisions	Date

Commission No.: 1823
Drawn By: JPR
Checked By: WTA
Date: 9/28/01
Project Coordinator: WTA

Mattern & Craig
CONSULTING ENGINEERS • SURVEYORS
701 FIRST STREET
ROANOKE, VIRGINIA 24012
(540) 345-9342
FAX (540) 345-7691

WAL-MART STORE #3243-00
GRADING & STORM DRAINAGE PLAN – AREA 'A'
ROANOKE COUNTY, VIRGINIA

Vertical Scale: N/A
Horizontal Scale: 1"=50'
Issue Date: 9/28/01
Sheet No.: C-7

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