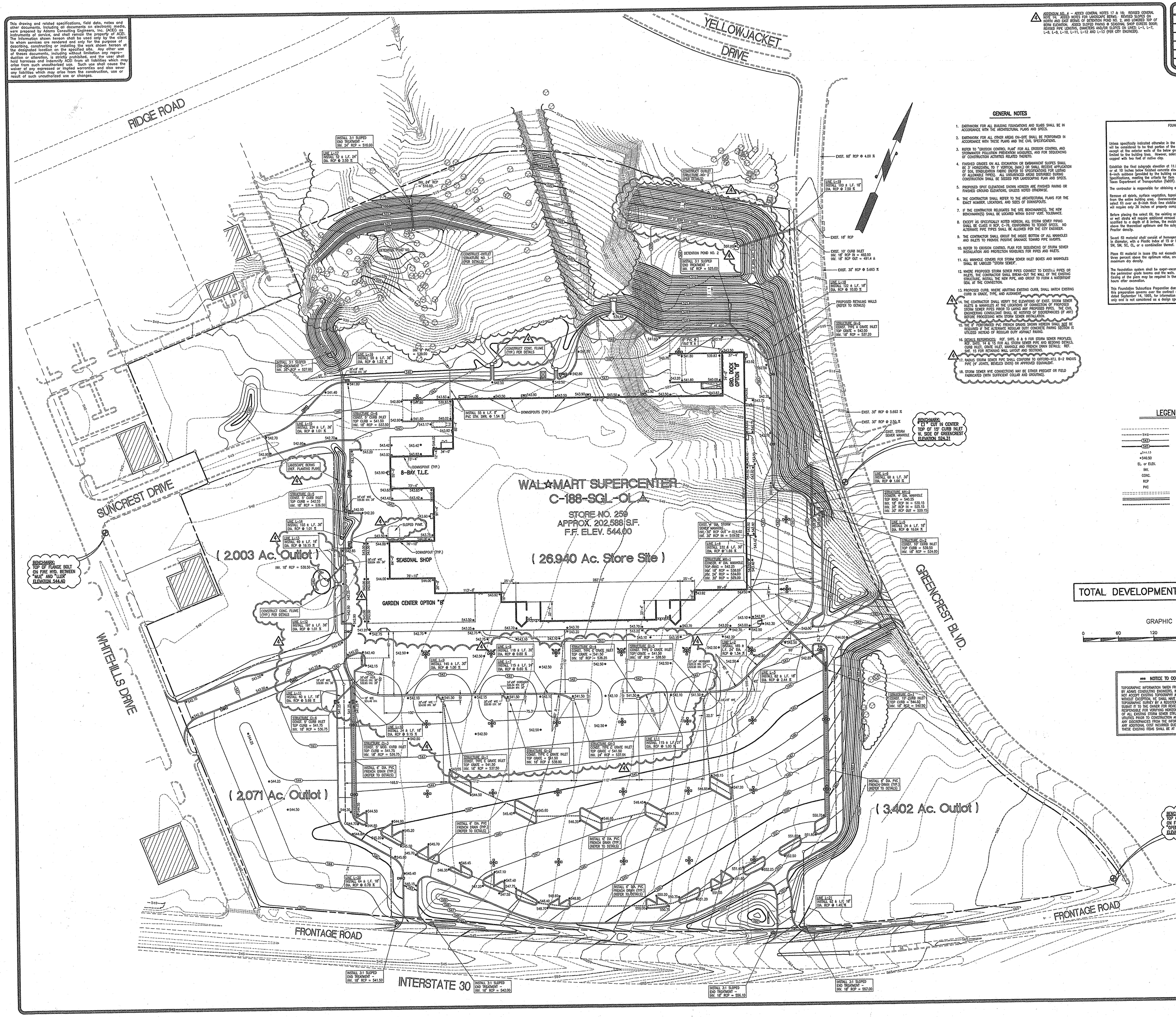
This drawing and related specifications, field data, notes and other documents, including all documents on electronic media, were prepared by Adams Consulting Engineers, Inc. (ACEI) as instruments of service, and shall remain the property of ACEI. The information shown hereon shall be used only by the client to whom services are rendered and only for the purpose of describing, constructing or installing the work shown thereon at the designated location on the specified project. Any other use of these documents, including without limitation any reproduction thereof, is strictly prohibited, and the user shall hold harmless and indemnify ACEI from all liabilities which may arise from such unauthorized use. Such use shall cause the waiver of any expressed or implied warranties and also sever any liabilities which may arise from the construction, use or result of such unauthorized use or changes.

ADDENDUM NO. 4 – ADDED GENERAL NOTES 17 & 18; REVISED GENERAL NOTE 14; ADDED NOTES FOR LANDSCAPE REPAIRS; REVISED SLOPES ON NORTH AND EAST BERMS OF DETENTION POND NO. 2, AND LOWERED TOP OF BERM ELEVATION. ADDED SLOPED PAVING @ SEASONAL SHOP EGRESS DOOR; REVISED PIPE LENGTHS, DIAMETERS AND/OR SLOPES ON LINES: L-1, L-7, L-8, L-9, L-10, L-11, L-12 AND L-13 (PER CITY ENGINEER).

REVISIONS	BY	REVISIONS	BY
SEPT. 1, 1995 (PC)	R.D.M.	4 DEC. 21, 1995	R.D.M.
SEPT. 26, 1995 (DC)	R.D.M.		
OCT. 4, 1995	R.D.M.		
NOV. 6, 1995	R.D.M.		
NOV. 16, 1995	R.D.M.		
NOV. 30, 1995 (OTB)	R.D.M.		

DESIGNED R.D.M.
DRAWN R.D.M.
CHECKED D.J.A.



GENERAL NOTES

1. EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL PLANS AND SPECS.
2. EARTHWORK FOR ALL OTHER AREAS ON-SITE SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND THE CIVIL SPECIFICATIONS.
3. REFER TO "EROSION CONTROL PLAN" FOR ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION MEASURES, AND FOR SEQUENCING OF CONSTRUCTION ACTIVITIES RELATED THERETO.
4. FINISHED GRADES ON ALL EXCAVATION OR EMBANKMENT SLOPES SHALL BE 3' HORIZONTAL TO 1' VERTICAL (3xH:1V) OR SHALL REQUIRE APPLICATION OF SOIL STABILIZATION FABRIC (REFER TO SPECIFICATIONS FOR LISTING OF ALLOWABLE TYPES). ALL UNDERCUTS AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED PER LANDSCAPING PLAN AND SPECS.
5. PROPOSED SPOT ELEVATIONS SHOWN HEREON ARE FINISHED PAVING OR FINISHED GROUND ELEVATIONS, UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT NUMBER, LOCATIONS, AND SIZES OF DOWNSPOUTS.
7. IF THE CONTRACTOR RELOCATES THE SITE BENCHMARK(S), THE NEW BENCHMARK(S) SHALL BE LOCATED WITHIN 0.010' VERT. TOLERANCE.
8. EXCEPT AS SPECIFICALLY NOTED HEREON, ALL STORM SEWER PIPING SHALL BE CLASS III RCP, C-76, CONFORMING TO TXDOT SPECS. NO ALTERNATE PIPE TYPES SHALL BE ALLOWED PER THE CITY ENGINEER.
9. THE CONTRACTOR SHALL GROUT THE INSIDE BOTTOM OF ALL MANHOLES AND INLETS TO PROVIDE POSITIVE DRAINAGE TOWARD PIPE INVERTS.
10. REFER TO EROSION CONTROL PLAN FOR SEQUENCING OF STORM SEWER INSTALLATION AND PROTECTION MEASURES FOR PIPES AND INLETS.
11. ALL MANHOLE COVERS FOR STORM SEWER INLET BOXES AND MANHOLES SHALL BE LABELED "STORM SEWER".
12. WHERE PROPOSED STORM SEWER PIPES CONNECT TO EXISTING PIPES OR INLETS, THE CONTRACTOR SHALL BREAK-OUT THE WALL OF THE EXISTING STRUCTURE, INSTALL THE NEW PIPE, AND GROUT TO FORM A WATERTIGHT SEAL AT THE CONNECTION.
13. PROPOSED CURB, WHERE ABUTTING EXISTING CURB, SHALL MATCH EXISTING CURB IN GRADE, TYPE, AND ALIGNMENT.
14. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF EXIST. STORM SEWER INLETS & MANHOLES AT THE LOCATIONS OF CONNECTION OF PROPOSED STORM SEWER PIPES PRIOR TO LAYING ANY PROPOSED PIPES. THE CIVIL ENGINEERING CONSULTANT SHALL BE NOTIFIED OF DISCREPANCIES (IF ANY) BEFORE PROCEEDING WITH STORM SEWER INSTALLATION.
15. THE 6" PERFORATED PVC FRENCH DRAINS SHOWN HEREON SHALL NOT BE REQUIRED IF THE ALTERNATE REGULAR DUTY CONCRETE PAVING SECTION IS UTILIZED INSTEAD OF REGULAR DUTY ASPHALT PAVING.
16. DETAILS REFERENCED: REF. SHTS. 8 & 9 FOR STORM SEWER PROFILES; REF. SHTS. 10 & 11 FOR ALL STORM SEWER PIPE AND BEDDING DETAILS, CURB INLET, GRATE INLET, MANHOLE AND FRENCH DRAIN DETAILS. REF. SHT. 13 FOR RETAINING WALL LAYOUT AND SECTIONS.
17. RADIUS STORM SEWER PIPE SHALL CONFORM TO GATORD-MTL B-2 RADIUS PIPE (4" JOINTS, BEVELED ENDS) OR APPROVED EQUIVALENT.
18. STORM SEWER WYE CONNECTIONS MAY BE EITHER PRECAST OR FIELD FABRICATED (WITH SUFFICIENT COLLAR AND GROUTING).

FOUNDATION SUBSURFACE PREPARATION
Wal-Mart Supercenter #259
Rockwall, Texas

Unless specifically indicated otherwise in the drawings and/or specifications, the limits of this subsurface preparation will be considered to be that portion of the site directly beneath and ten feet beyond the building and appurtenances, except at the exterior walls of the below grade portion of the Tire and Lube Express building (TLE), where it will be limited to the building lines. However, select fill shall not extend beyond the exterior of any building line unless capped with two feet of native clay.

Establish the final subgrade elevation at 11.5 inches below the finished concrete elevation when using a 5.5-inch slab, or at 10 inches below finished concrete elevation when using a 4-inch slab, to allow for the slab thickness and a 6-inch sand subbase (provided by the building contractor). The subbase will be crushed rock, as required by the Wal-Mart Specifications, meeting the criteria for Item 247, Type "A" or "B", Grades 1 or 2 crushed aggregate, listed by the Texas Department of Transportation (TxDOT).

The contractor is responsible for obtaining accurate measurements for all cut and fill depths required.

Remove all debris, surface vegetation, topsoil, trees, organic material and any building materials above or below grades from the entire building area. Overexcavate the building area as required to a minimum of 5 feet (plus 6 inches of properly compacted select fill over an 8-inch thick lime stabilized pad). The underground portion of the TLE building below elevation 537.4' will require only 36 inches of properly compacted select fill over an 8-inch thick lime stabilized pad).

Before placing the select fill, the existing soils shall be compacted using rollers and strict moisture control. Any weak or wet spots will require additional removal prior to fill placement. Before any fill is placed, the subgrade must be scarified to a depth of 8 inches, the moisture content must be adjusted to within one percent below to three percent above the theoretical optimum and the subgrade compacted to at least 95 percent of the ASTM D-698 Standard Proctor density.

Select fill material shall consist of homogenous soils free of organic matter and debris, or rocks larger than 6 inches in diameter, with a Plastic Index of 15 or less, a Liquid Limit of less than 35, and Unified Soil Classification of SP, SW, SM, SC, CL, or a combination thereof.

Place fill material in loose lifts not exceeding 8 inches in thickness. Adjust moisture to within one percent below to three percent above the optimum value, and compact to at least 95 percent of the ASTM D-698 Standard Proctor maximum dry density.

The foundation system shall be auger-excavated and underreamed reinforced concrete shafts below the interior columns, the perimeter grade beams and the walls. The bottom of bells shall rest one foot into the blue shale city (Nacb). Casing of the piers may be required in the presence of water and concrete shall be placed in the shafts within eight hours after excavation.

This Foundation Subsurface Preparation does not constitute a complete sitework specification. Information covered in this preparation governs over the contract specifications. Refer to the Geotechnical Report by PE Consultants, Inc., dated September 14, 1995, for information not covered in this preparation. The geotechnical report is for information only and is not considered as a design specification.

LEGEND

540	EXISTING CONTOURS (1' INTERVAL)
545	EXISTING CONTOURS (5' INTERVAL)
543	PROPOSED CONTOURS (1' INTERVAL)
545	PROPOSED CONTOURS (5' INTERVAL)
+544.15	EXISTING SPOT ELEVATION
+540.50	PROPOSED SPOT ELEVATION
EL. or ELEV.	ELEVATION
INV.	INVERT
CONC.	CONCRETE
RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE PIPE
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED 6" PVC FRENCH DRAIN

TOTAL DEVELOPMENT : 34.416 ACRES

GRAPHIC SCALE
0 60 120 180 240 300 FEET

*** NOTICE TO CONTRACTOR ***

TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY ADAMS CONSULTING ENGINEERS, INC. 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. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OF ANY DISCREPANCIES FROM THE INFORMATION SHOWN ON THE PLANS. ANY ADDITIONAL COST INCURRED DUE TO NON-VERIFICATION OF THESE EXISTING ITEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.

ADAMS CONSULTING ENGINEERS, INC.
CIVIL / ENVIRONMENTAL ENGINEERS ▪ SURVEYORS
6320 Copeland Road ▪ Tyler, Texas 75703 ▪ (903) 561-8919

GRADING PLAN

WAL-MART SUPERCENTER #259
INTERSTATE 30
ROCKWALL, TEXAS

STATE OF TEXAS
DANIEL J. V. ADAMS
JR.
06406
REGISTERED
PROFESSIONAL ENGINEER
12.23.95

DATE	8/25/95
JOB NO.	93-11W
SHEET NO.	6