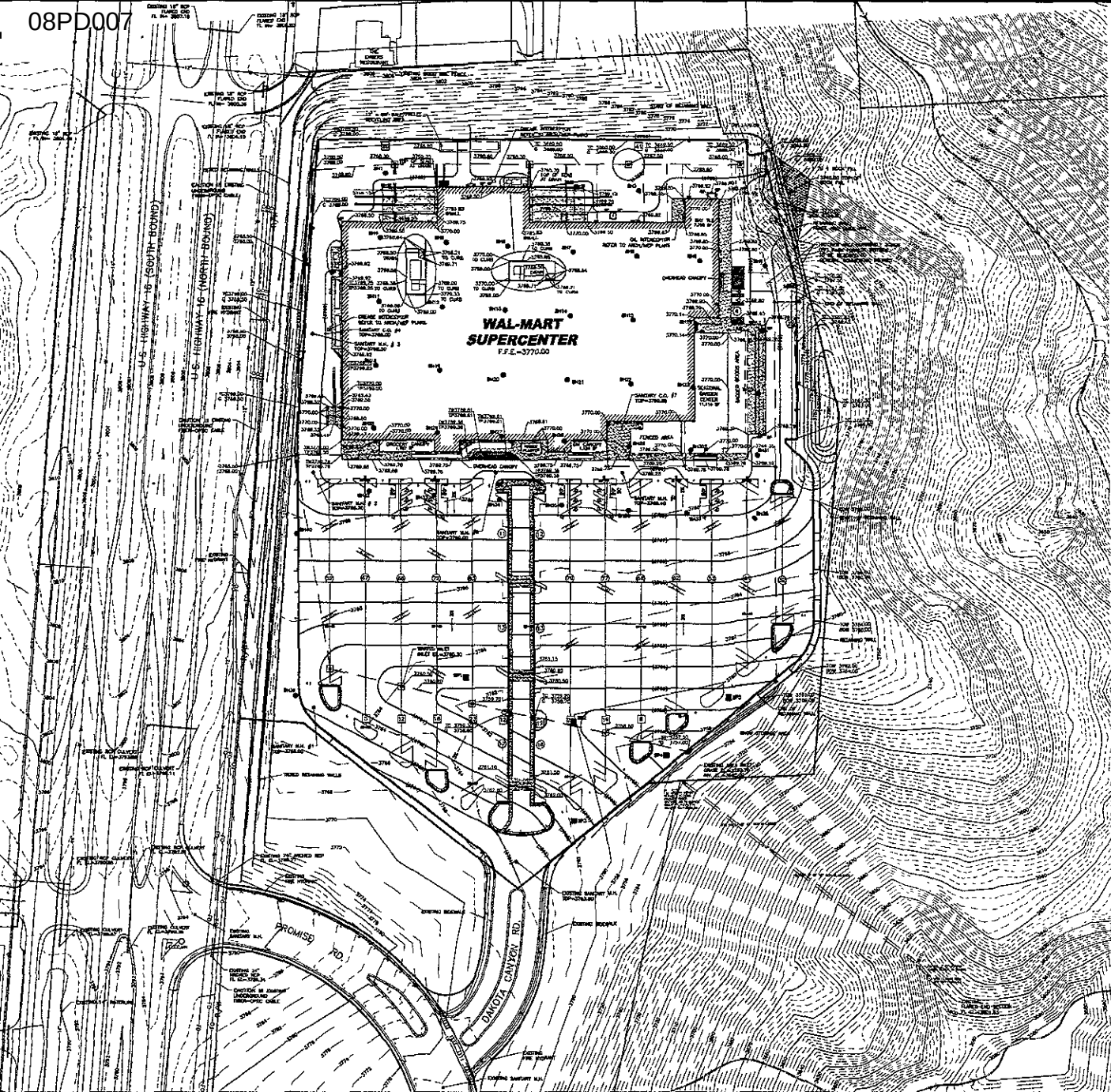
08PD007




# GRADING PLAN

SCALE: 1" = 60'

GRADING NOTES:

1. Work to be performed under this grading plan will require a permit from the _____ Department.

2. Contractor shall verify elevations of temporary benchmarks noted on the plan prior to the start of construction. Contractor shall notify engineer if discrepancy exists.

(Note source of primary benchmark.)

Primary Benchmark: (Describe benchmark)

3. This site is within _____ Zone _____ on the Federal Emergency Management Agency National Flood Insurance Rate Map, Community Panel No. _____ dated _____.

4. The Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on the best information available to the engineer. The Contractor shall be responsible for determining the exact location of all existing utilities before commencing new construction. The Contractor shall call the appropriate utility locating service at least 48 hours before any excavation is to take place. The cooperation of the Contractor and prompt notification of any discrepancy between actual utility locations and those shown on plans will be greatly appreciated.

5. All trenches under paved areas shall be backfilled with granular material and compacted to meet city/county requirements. Testing of backfill shall be performed by an approved testing laboratory employed by the Contractor, at the direction of the engineer or the utility representative.

6. All construction shall conform to the requirements of _____. Contractor to obtain building and construction permits outside of normal working hours and shall submit schedule during construction work and emphasize points of delay or disturbance. Contractor shall be responsible for local ordinances' noise requirements for extended construction periods and shutdowns.

7. Top subgrade for all building foundations and paved areas to be accomplished with thinning along a specification density. Contractor shall be responsible to have subgrade tested and approved by _____.

8. The contractor is responsible for keeping streets noted on-and-off and adjacent under control during construction, all streets shall be kept free of dirt and debris. Supervise Contractor's Work Plan throughout construction.

9. The Contractor shall schedule the site for rough-finished grading prior to utilities, after all rough grading has been completed. This will ensure that ponding of stormwater runoff on the site will occur only in the areas designated for stormwater detention. Also pumping of ponded water in newly excavated and deep utilities will be required during construction.

10. The drainage for the project shall meet or exceed the "Stormwater Detention Structure Specifications."

11. Contractor shall refer to architectural plans for exact locations and dimensions of ramps/walks, exit grades, ramps, depressed slabs, elevator pits, trench drains, precise building dimensions, exact building dimensions, control joints, footings and location of thresholds.

12. Contractor shall notify _____ days in advance of construction to allow other city field representatives to observe work.

13. All survey monuments disturbed during construction shall be replaced by a surveyor registered in the state, at the expense of the project to be located at the Contractor's expense.

14. The Contractor shall verify and/or perform as necessary inspections and/or certifications required to release and/or utility companies prior to the construction. Locating information does not find responsibility of utility companies.

15. Prior to placement of the base rock below the parking lot, the entire area shall be proof rolled with a loaded tandem axle dump truck, having no more than 5 axles and weighing a minimum of 40,000 pounds.

16. Due to seasonal variations in rainfall and the groundwater level, the Contractor may be required to use light, rubber tracked equipment to perform the work.

17. The Contractor shall provide all areas to drain in order to prevent ponding water. The maximum acceptable slope on all paved surfaces shall be _____ percent.

18. The minimum slope of asphalt on all subsurface for this site is _____ percent.

19. Unless indicated otherwise, all detention and sanitary sewer structures shall have a minimum 18 inch vertical separation and 10 foot horizontal separation. The Contractor shall make sure the depths of sewers, utilities, trees, footings, etc. are adequate to maintain the required separation. Any conflicts shall be brought to the attention of the engineer immediately for resolution. Any deviation from the approved plans shall be approved by the Contractor and verify the Wal-Mart Construction Manager.

20. Soil boring locations shown on this plan were taken from the subsurface investigation and construction report prepared by Crafton Tull dated No. 743-0836 dated March 16, 2005. Their conditions are to be considered representative only.

21. Subsurface Rock locations shown on this plan were taken from the subsurface investigation and construction report prepared by Crafton Tull dated No. 743-0836 dated March 16, 2005. Their conditions are to be considered representative only.

SOIL PREPARATION AND COMPACTION

Grading, excavating, earth movements and paved areas structures will be performed from the building and pavement areas. All such areas shall be stripped of vegetation, topsoil and rubbish. Unless otherwise recommended in the soil report, the upper 12 inches of subgrade soil shall be scarified and recompacted to the relative density of ASTM D-698 (Standard Proctor). Fill material shall be placed in layers not to exceed 8 inches in loose thickness. Each layer shall be moisture conditioned, uniformly mixed, and compacted to maximum density as determined by