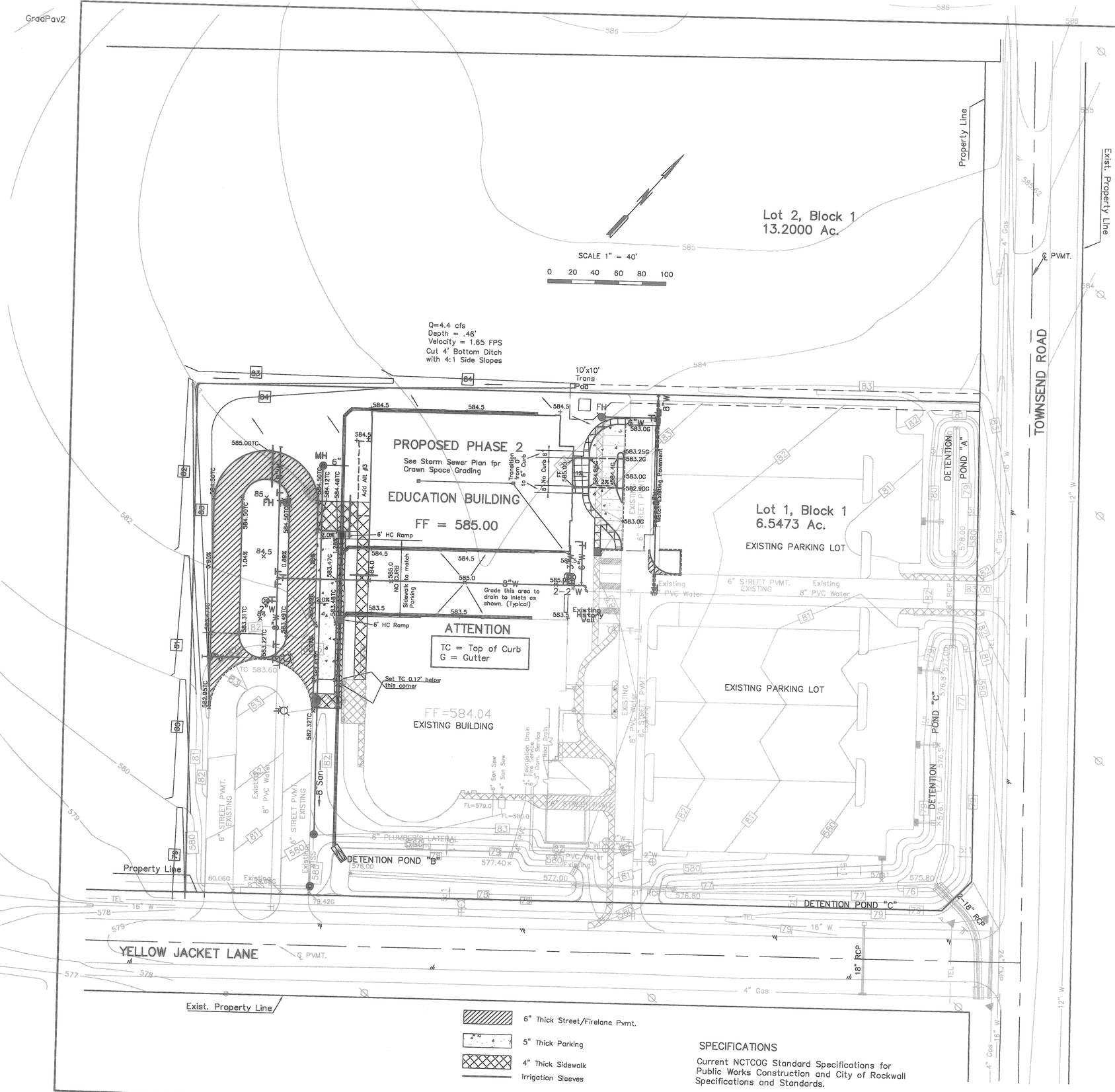
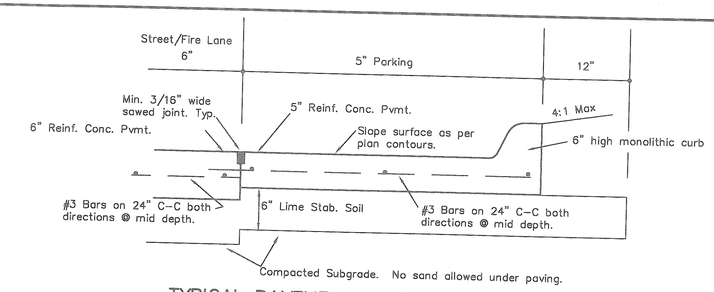
GradPav2





TYPICAL PAVEMENT SECTION

CONCRETE SPECIFICATIONS

Min. Compressive Strength at 28 days: 3,600 psi
Min. Cement content (no fly ash): 6 sacks/CY for machine finish.
Min. Cement content (no fly ash): 6.5 sacks/CY for hand finish.
Air Content: 4-8%
Max Slump: 3"

PAVING NOTES

All joints shall be sawed. Sawing shall commence as soon as pavement can support sawing equipment. Joints in 5" thick pavement shall be a minimum of 1.0 inches deep. Joints in 6" thick pavement shall be a minimum of 1.25 inches deep. Joints shall be cleaned and filled with joint sealer as specified by Architect. Maximum joint spacing shall be 15 feet in both longitudinal and transverse directioins. Construction joints shall not have a keyway. Sawing along the joint line will be required. Reinf. steel shall continue through construction joints.

No expansion joints will be required.

Joints in new pavement shall line-up with joints in existing pavement.

New pavement shall be attached to existing pavement as follows:

Drill and epoxy grout #4 bars at mid depth at 24" c-c 9" deep into existing concrete pavement. Bars shall be 18" long. Sawing along the joint will be required.

SIDEWALK

Sidewalk shall be 4 inches thick, 3000 psi reinforced concrete on compacted subgrade.
Reinforcing shall be #3 bars at 24 inches center to center each way at mid depth.
Control joints shall be on 5 foot centers, grooved 3/8 inches deep.
Expansion joints shall be installed at maximum 50 foot intervals using 1/2 inch thick by 4 inch high redwood with 3-#4 smooth dowels equally spaced, 18 inches long with end caps.
Where sidewalk is adjacent to other concrete, a bituminous expansion joint filler, 1/2 inch thick by 4 inches high shall separate the two concretes.
Edges shall have a tooled radius and surface shall have a broom finish, unless otherwide directed.
Handicap ramps shall have contrasting color. Use Chromix admixture (C-32, Quarry Red). Ramps shall have grooves running perpendicular to direction of travel.

GRADING NOTES

1. See Dimensional Control sheet for layout details.
2. Contractor shall be responsible for all damages he causes utilities and other property as a result of his construction operations.
3. All trees, stumps, vegitation, concrete, wood, or metal debris shall be removed from the construction site and deposited at a city land fill.
4. All excess soil material from construction of this project will be spread and compacted on the property at a location selected by the Engineer.
5. Any off site soil material used as borrow shall not contain particles larger than 2" in diameter and shall have a PI less than 30.
6. Top soil shall be stockpiled in sufficient quantity to be spread 6" deep over areas not paved.
7. All earth slopes shall be 4:1 unless otherwise noted.
8. Degree of compaction and optimum moisture shall be determined from Standard Proctor desnity tests. All fills shall have a density of not less than 95% of above test. Soils shall be compacted at optimum moisture or not greater than 2% above optimum.
9. See Architectual plan for paint striping of parking lot and street.
10. Lime stabilized/compacted subgrade shall extend a minimum of 12" from back of curb.
11. Contractor shall be responsible for Erosion Control. See Erosion Sheets herein.
12. All fill will be compacted with a sheepsfoot roller.
13. No vertical construction above slab will be allowed until fire hydrants and fire lanes are tested and accepted by the City.
14. Grass must be established prior to City acceptance of project.

RECORD DRAWINGS
5-24-07

SPECIFICATIONS

Current NCTCOG Standard Specifications for Public Works Construction and City of Rockwall Specifications and Standards.

3/9

July 11, 2006

PHASE 2

STATE OF TEXAS
Arthur T. Beck
13845
REGISTERED PROFESSIONAL ENGINEER

Arthur T. Beck

GRADING/PAVING PLAN						
FIRST UNITED METHODIST CHURCH, ROCKWALL						
CITY OF ROCKWALL, TEXAS						
F&S PARTNERS and BSM ENGINEERS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO
F&S	BSM	4-06		BSM		552