

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: 4-6%
Max Slump: 3"

PAVING NOTES

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

Expansion joints will be placed at street curb radii.

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 12" deep into existing concrete pavement. Bars shall be 24" long. Sawing along the joint will be required.

SIDEWALK

Sidewalk shall be 4 inches thick, 3000 psi reinforced concrete (min 5.5 sacks cement per cubic yard of 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.

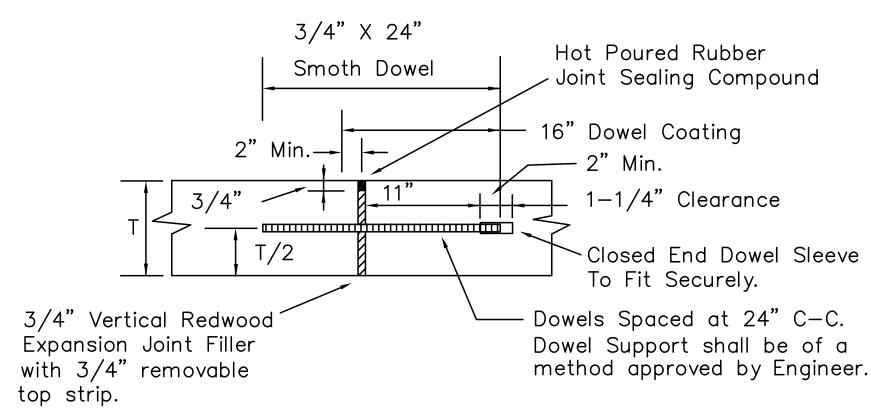
Expansion joints shall be installed at maximum 50 foot intervals using 1/2 inch thick by 4 inch high redwood with 3—#4 smooth dowels equally spaced, 18 inches long with end caps.

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.

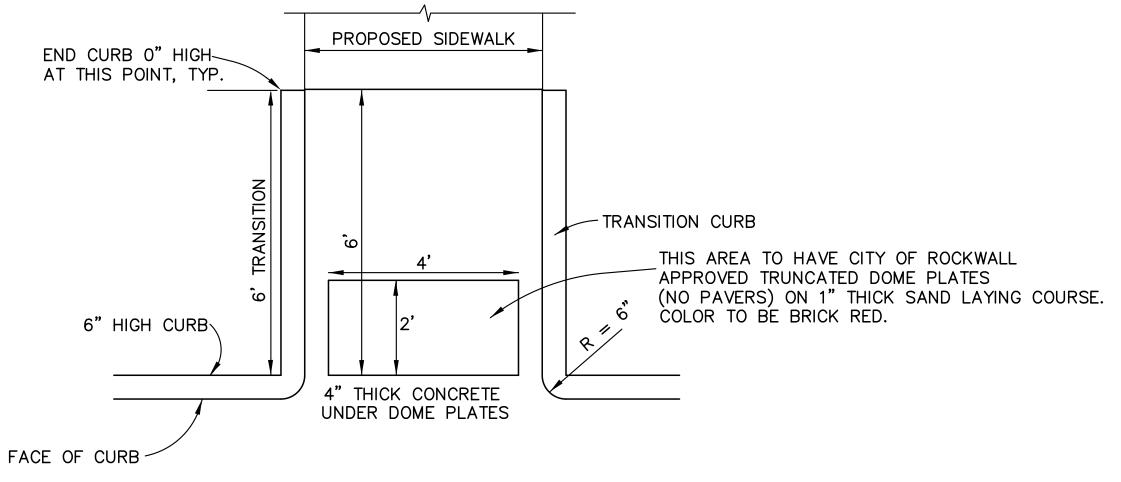
Edges shall have a tooled radius and surface shall have a broom finish, unless otherwide directed.

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, vegetation, 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. Soils under paved areas and in utility ditches shall have a density of not less than 95% of above test. All other areas shall have a density of not less than 90% of above test. Soils shall be compacted at optimum moisture or not greater than 2% above optimum.
- 9. Pavement markings shall be as indicated on Paving plan or City Requirements.
- 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.



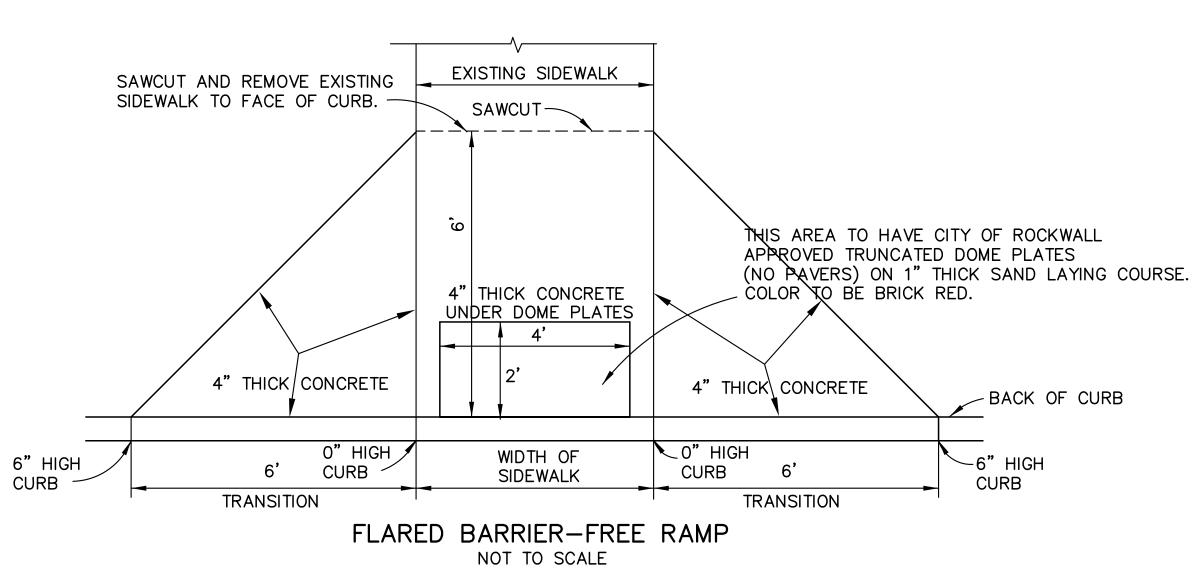
EXPANSION JOINT



CURBED BARRIER-FREE RAMP NOT TO SCALE

BARRIER-FREE RAMP NOTES:

- 1. MAX. SLOPE FROM PAVEMENT GUTTER
 TO TIE IN WITH EXISTING OR PROPOSED
 SIDEWALK IS 8%.
 LENGTH IS 6' AS SHOWN BUT MAY BE
 LONGER AS NECESSARY TO MEET THE
 MAXIMUM SLOPE REQUIREMENTS.
- 2. WIDTH OF BARRIER-FREE RAMP SHALL BE SAME AS WIDTH OF ATTACHED SIDEWALK.
- 3. SIDEWALK REINFORCING STEEL SHALL CONTINUE THROUGH RAMP.



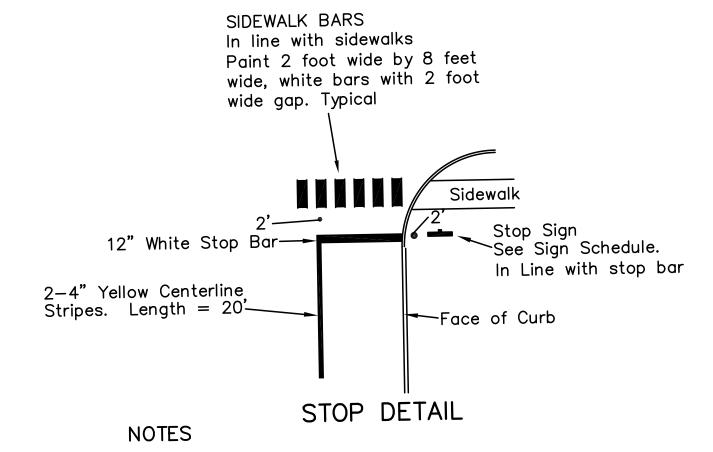
AS BUILT November 30, 2015

NO REQD SIGN SCHEDULE 2 Stop Sign R1-1 36"x36" 0.100" Aluminum High Intensity Prismatic 5 HC Reserved Parking R7-8T 12"x18" 0.080" Aluminum High Intensity Prismatic 1 Van Accessible R7-8a 12"x6" 0.080" Aluminum High Intensity Prismatic 7 Sign Post 1-3/4" Perforated Square Post, 14 ga.,12' Long Hot dipped galvanized finish. 7 Ground Post 3 Feet long 12 ga. For 1-3/4" Sign Post

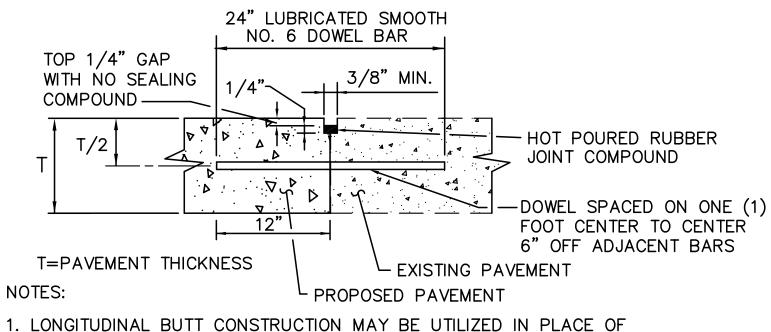
Sign infromation is from Centerline Supply.

Bottom of all signs shall be 7' above adjacent pavement / ground surface.

Contractor shall provide all signs, posts, hardware, labor, tools, equipment, and installation for complete in place sign.



- 1. Striping for parking shall be 4 inch wide white traffic paint, suitable for use on concrete pavement surfaces.
- 2. Apply two coats to a clean surface with a minimum of 60 minutes between applications. Application rate per coat to be a minimum of 8 gallons per mile of 4 inch wide line. When applied, minimum surface temperature shall be 50 degree Fahrenheit.
- 3. Paint shall only be applied when pavement is dry.
- 4. Paint lines shall have clean edges free of spatter, a uniform width ± 1/8 inches, be straight, and with no more than 5% (by area) of holes or voids and shall be free of blisters.
- 5. Each handicap stall shall be marked with a handicap symbol, 4'x4' blue background & 3.5' high handicap symbol. Handicap loading zones shall be outlined with 4" wide stripes and containing diagonal stripes at 3' intervals.



- 1. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
- 2. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF MECHANICAL RIG.
- 3. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

BUTT JOINT

PHASE 3



GRADING & PAVING DETAILS

FIRST UNITED METHODIST CHURCH

ROCKWALL

CITY OF ROCKWALL, TEXAS

BSM ENGINEERS, Inc.

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DESIGN DRAWNDATESCALENOTESFILENOBSMBSM07-14BSM1404