

**GENERAL NOTES:**

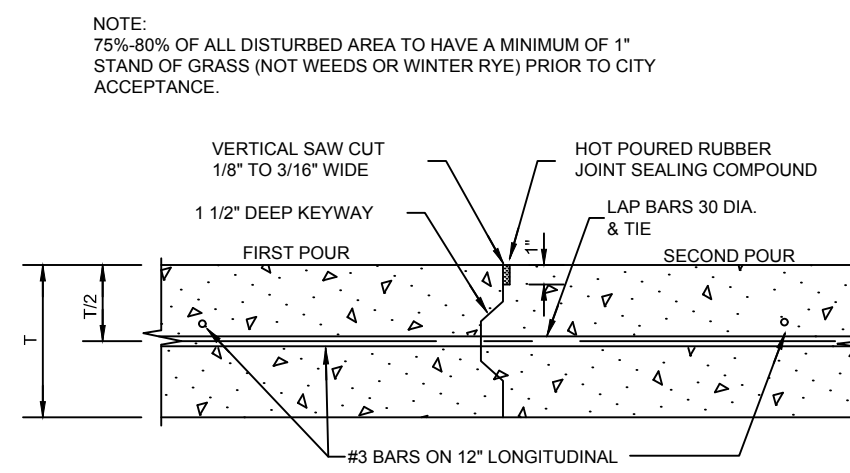
1. All work, methods, materials, and equipment shall conform to City of Rockwall Subdivision Regulations, the North Central Texas Council of Government construction standards 4th edition, any special provisions to the NCTCOG approved by the city of Rockwall. Standard details can be obtained from NCTCOG and the City of Rockwall.
2. Prior to construction, the contractor shall familiarize himself with the contract documents and specifications, the plans including all notes and any other applicable standards or specifications relevant to the proper completion of the work specified. Failure on the part of the contractor to familiarize himself with all standards or specifications pertaining to this work shall in no way relieve the contractor of responsibility for performing the work in accordance with all such applicable standards and specifications.
3. Contractor shall have in his possession, prior to construction, all-necessary permits, licenses, etc. Contractor shall have at least one set of approved engineering plans and specifications on site at all times.
4. Any item of work called for by the plans and/or specification and not included, as a bid item shall be subsidiary to the construction of the various bid items.
5. Construction inspection will be performed by representatives of the owner, engineer, City, geotechnical engineer, and reviewing authorities and agencies. Unrestricted access shall be provided to them at all times. Contractor is responsible for scheduling required inspections as required by contract documents.
6. The contractor and all subcontractors must confine their activities to the work area. Any damage resulting from work outside the work area, shall be the contractor's responsibility.
7. It will be the responsibility of each contractor to protect all existing public and private utilities throughout the construction of this project. Contractor shall contact the appropriate utility companies for line locations prior to commencement of construction and shall assume full liability to those companies for any damages caused to their facilities. Location of utilities are taken from the City and Utility Company records. Contractor shall field verify to determine exact location of utilities. Contractor to adjust all existing and proposed utilities to final grade.
8. Trench safety design will be the responsibility of the contractor. The contractor shall abide by all applicable federal, state, and local laws governing excavation. Trench side slopes shall meet OSHA standards. Shuttering, shoring, and bracing shall be required when side slope standards are not met. A pull box, meeting OSHA standards will be acceptable. The contractor shall submit detailed plans to the City Engineer for review showing how OSHA Standards for excavation shall be met prior to the start of any utility construction. The plans shall be sealed by the State of Texas.
9. Contractor shall stockpile salvage materials for inspection. All items not salvaged by the owner shall be removed from the site at the contractor's expense. The owner will transport salvaged materials away from the site at the owner's expense. Salvage, stockpile, and removal of materials shall be considered subsidiary to the various bid items and shall not be paid for directly unless such items are specifically included in the bid items.
10. The contractor shall be responsible for providing and maintaining all necessary warning and safety work, material, and operations needed to provide for the health and safety of the public until all work has been completed, including maintenance bond periods, and to be accepted by City of Rockwall in writing.
11. All fill to be compacted to 95% with sheeps foot roller in 8" lifts.

**WATER NOTES:**

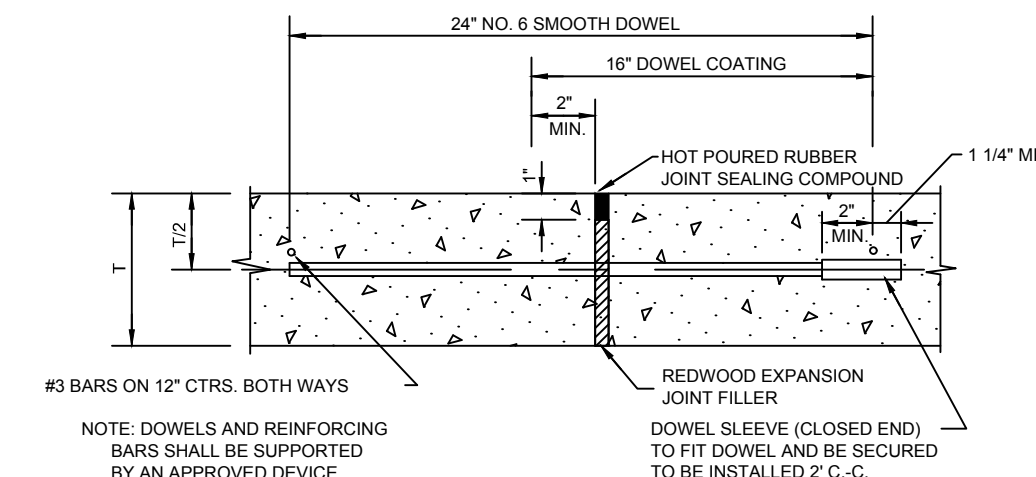
1. All new water line shall be fully purged. Do not test against existing valves when connecting to existing lines.
2. Where water mains either cross or otherwise come within 9 feet of a sanitary sewer main, the contractor will conform to Texas Administrative Code Title 30, Part 1, Chapter 290, Subchapter D, Rule § 290.44, and City requirements.
3. Utility contractor shall use MEGALUG when installing the water line and double strap services when installing the services.
4. Water services shall be installed w/double strap saddle and top installed with a corporation stop at the distribution pipeline and an angle stop.
5. All water lines shall be pressure tested and disinfected in accordance with AWWA C 601. A passing Bacteriological test (negative for coliform) shall be achieved prior to acceptance.
6. Water pipelines shall be PVC pipe conforming to the Standard Specifications for Construction. In general, the water pipelines shall be Class 200 PVC C900 DR14 pipe, and installed with a minimum of four feet (4') of cover, unless approved by the City. All pipes shall be installed in embedment material as shown on the Standard Drawings and in conformance with the Standard Specifications of Construction. Blue EMS locator pads to be installed on waterline every 250' and at every bend, service, and valve.
7. All gate valves shall be manufactured by Mueller or an approved equal with resilient seat only and shall conform to and shall be installed according to the Standard Specifications of Construction.
8. Fire hydrants shall be either Mueller or an approved equal conforming to the requirements set forth in the Standard Specifications for Construction. All fire hydrants shall be installed with a six-inch (6") gate valve on the hydrant lead. The installation shall be as set forth in the Standard Specifications for Construction. Fire hydrants shall be painted to meet the City's requirements for color code as set forth in the Standard Specifications. In general, the fire hydrant will be reflective silver with differing cap color, which corresponds to the size of hydrant feeder line, as detailed in Table 5.2. Fire hydrants shall be installed at the end of each dead end line. Minimum main size for a fire hydrant shall be eight inches (8") if main is over fifty feet (50') long.
9. In non-residential developments an eight inch (8") lead will be required on all fire hydrants that are located more than fifty feet (50') from a looped water line.
10. Service pipelines shall be in accordance with the designs shown on the Standard Drawings. The materials shall be Mueller or approved equal and shall be installed in accordance with the Standard Specifications for Construction.
11. Mega-lugs or approved equal shall be installed at all horizontal change in directions at all vertical changes in directions that require a bend. The restraints shall be placed at the bend and at the next pipe joint in each direction from the bend.
12. Commercial irrigation meters and domestic shall have a testable double check backflow preventer.
13. Install blue EMS disks on the water line at every change in direction, valve, fire hydrant, service connection, and every 250'.

**WASTEWATER NOTES:**

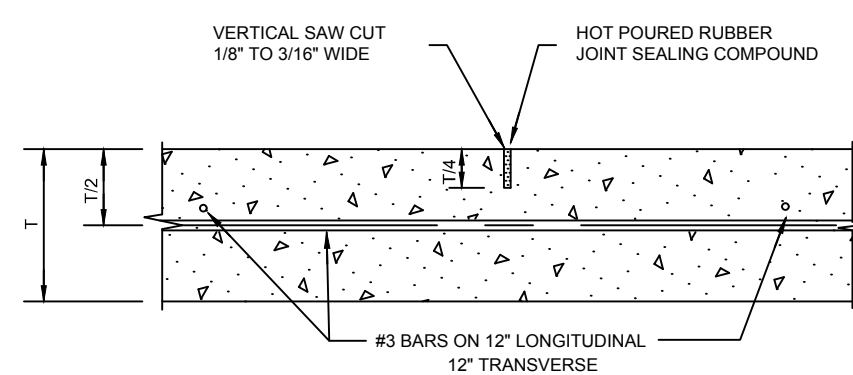
1. All wastewater lines shall be tested for infiltration in accordance with the procedures set forth in the Standard Specifications for Construction. In general, all wastewater pipe shall be installed so that the completed wastewater will have a maximum exfiltration of one hundred fifty (150) gallons per inch of internal diameter, per mile of pipe, per 24 hours, where the maximum hydrostatic head at the centerline of the pipe does not exceed twenty-five (25) feet. A television survey will be performed as part of the final testing in the tenth (10th) month of the maintenance period. The City's representative shall be present at all testing. All expenses for this work shall be the developer's responsibility.
2. Install green EMS disks on sanitary sewer line at every change in direction, manhole, service, & clean out.
3. All manholes to be Raven lined or approved equal.



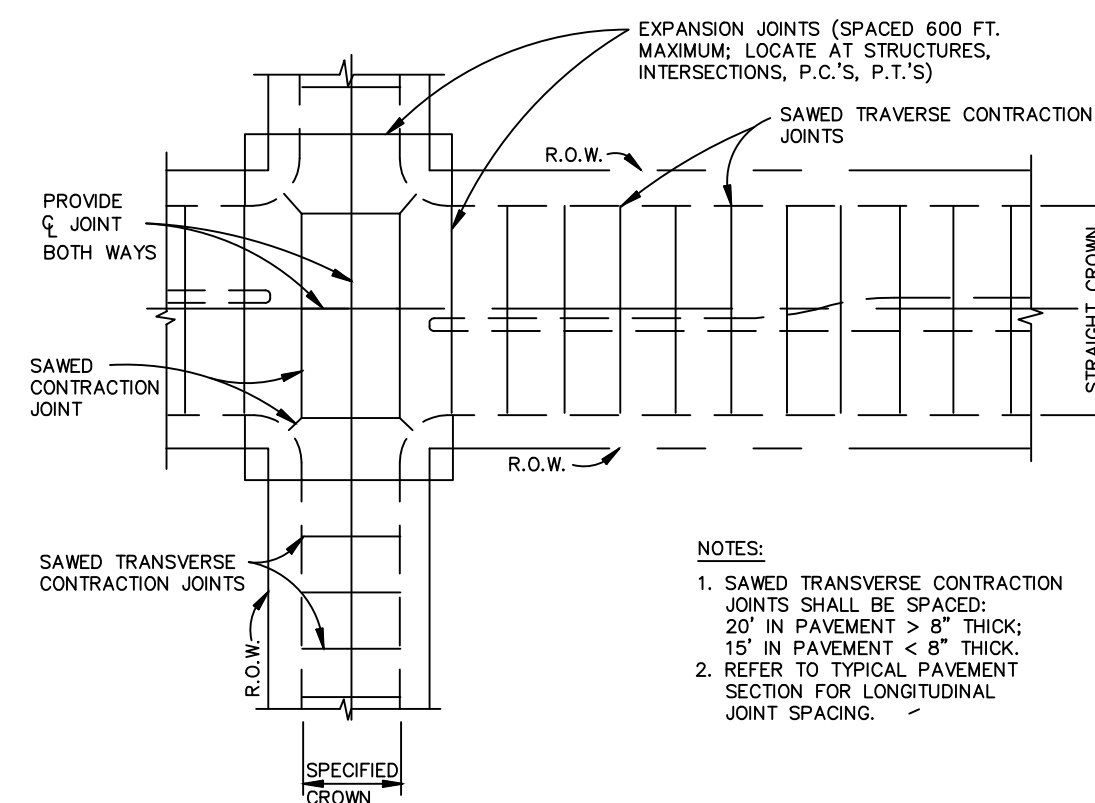
**CONSTRUCTION JOINT DETAIL**  
N.T.S.



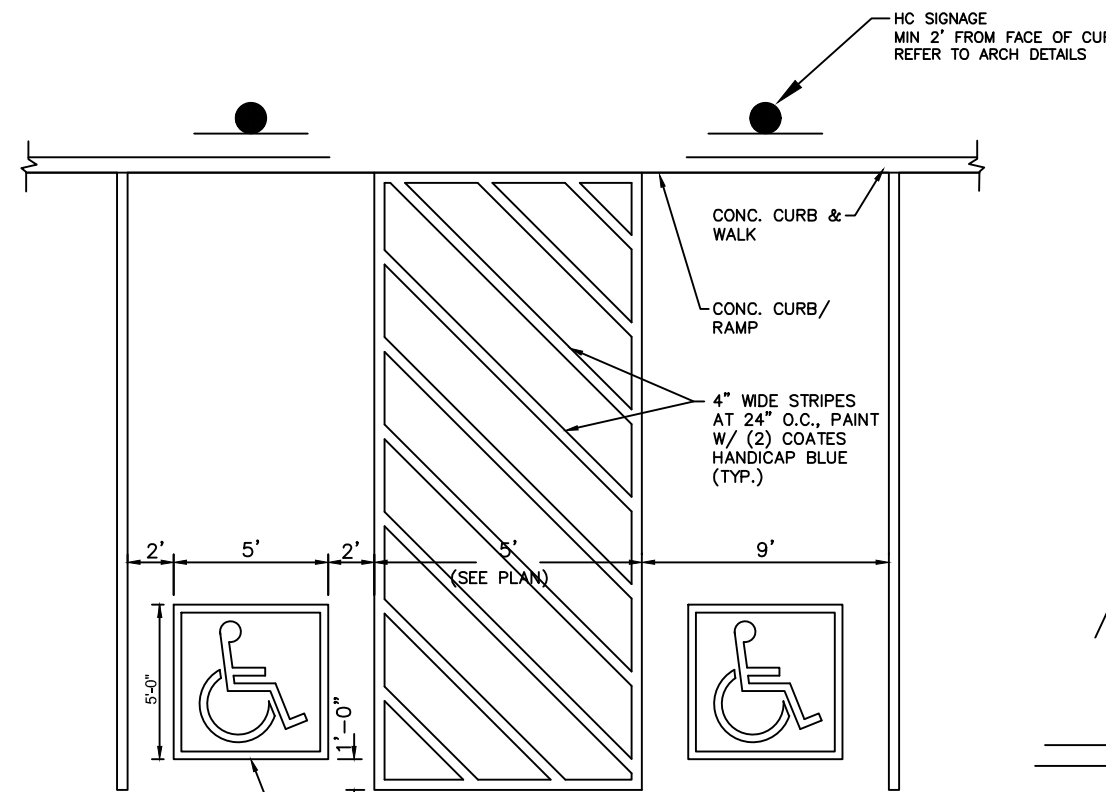
**TRANSVERSE EXPANSION JOINT DETAIL**  
N.T.S.



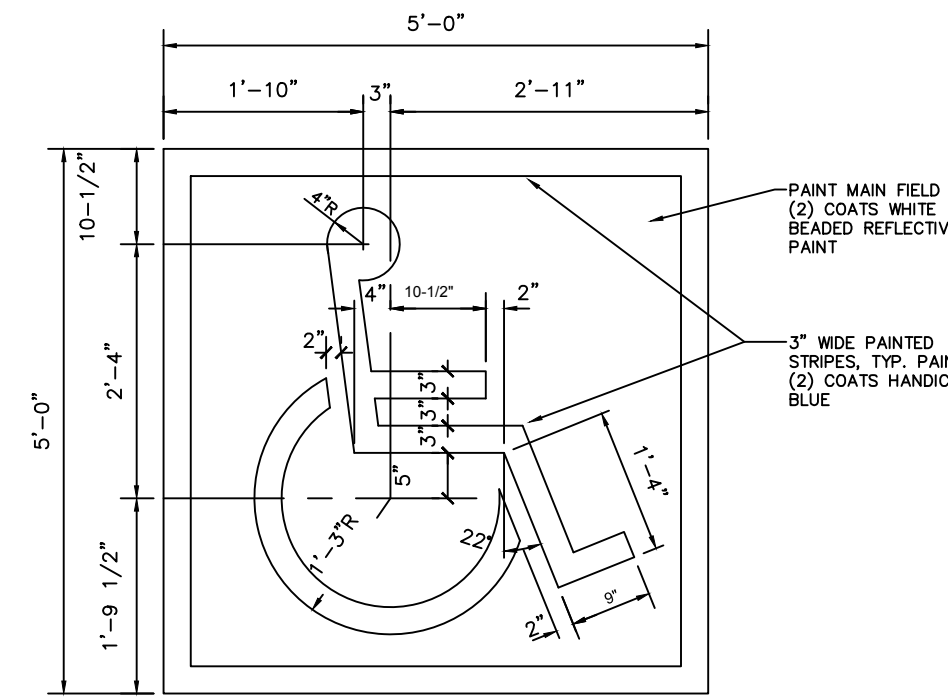
**SAWED DUMMY JOINT DETAIL**  
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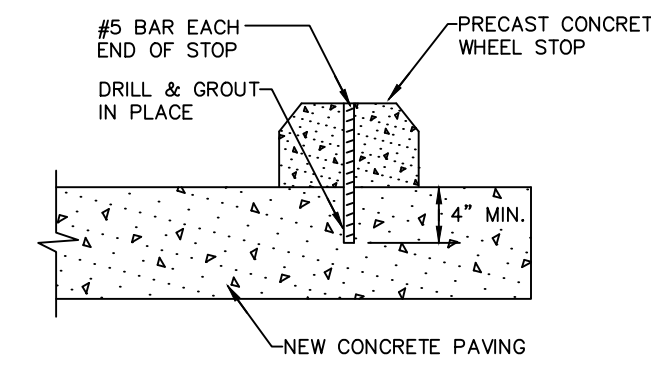
**SPACING DIAGRAM FOR TRANSVERSE JOINTS**  
N.T.S.



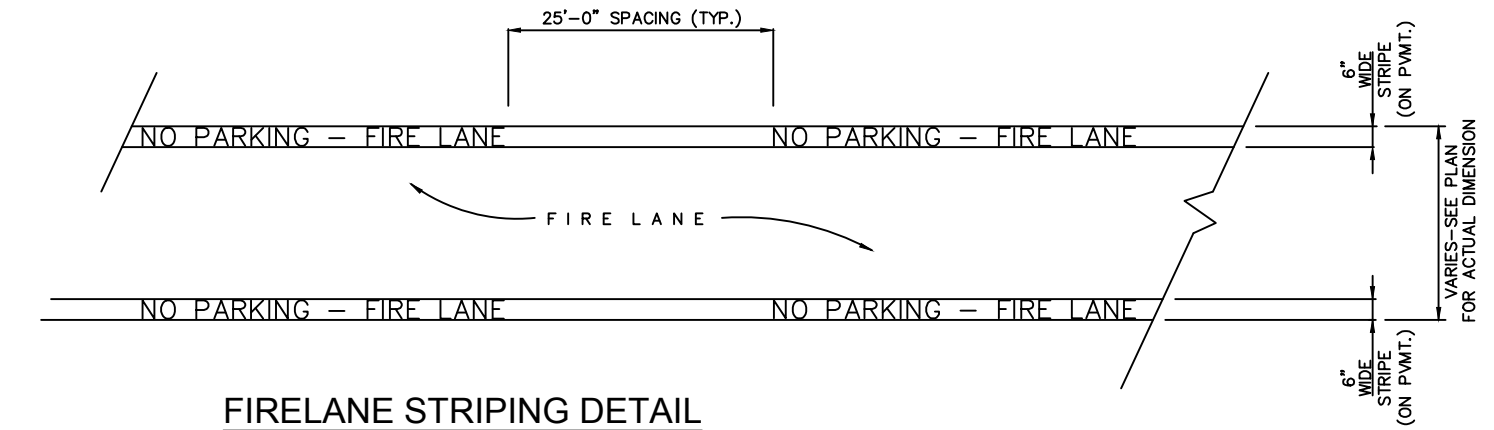
**ACCESSIBILITY PARKING**  
N.T.S.



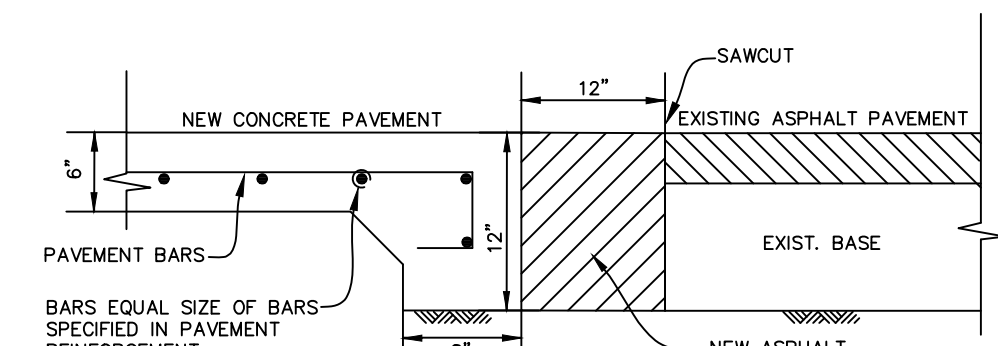
**PAINTED ACCESSIBILITY SYMBOL**  
N.T.S.



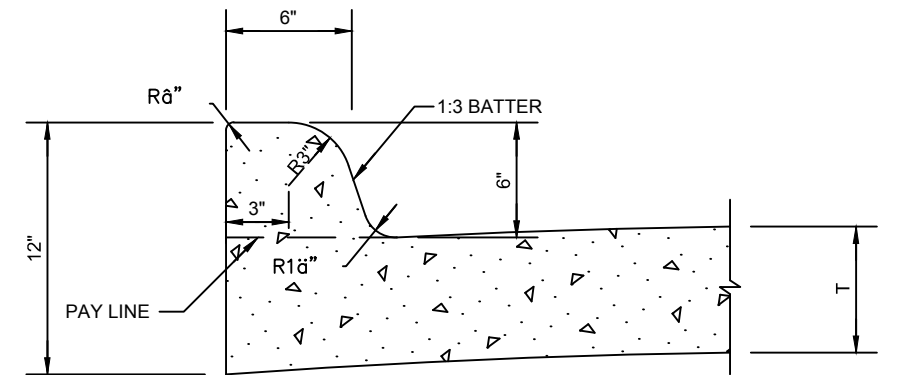
**WHEEL STOP DETAIL**  
N.T.S.



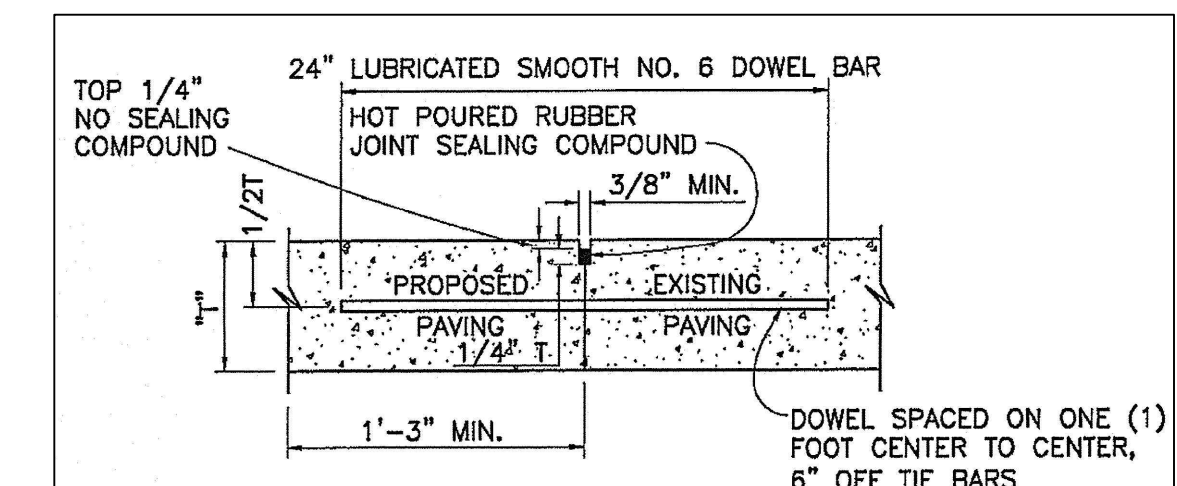
**FIRELANE STRIPING DETAIL**  
N.T.S.



**CONNECTION TO EXISTING ASPHALT PAVEMENT**  
N.T.S.



**INTEGRAL CURB DETAIL**  
N.T.S.



**LONGITUDINAL BUTT JOINT**  
N.T.S.

- NOTE:**
- DETENTION / DRAINAGE TO BE MAINTAINED, AND REPAIRED BY PROPERTY OWNER.
  - DETENTION / DRAINAGE TO BE FULLY INSTALLED PER PLAN AND MAINTAINED INCLUDING SOD OR SEEDED ANCHORED CURLEX ON SIDES AND BOTTOM BEFORE PAVING IS INSTALLED.
  - ALL ROW(S) TO BE SODDED PRIOR TO CITY ACCEPTANCE AND CO/CO.

**RECORD DRAWINGS**

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

*Todd Winters* 3-15-2021  
TODD WINTERS DATE

BENCHMARKS: CITY OF ROCKWALL, TEXAS - CONTROL MONUMENTATION

ROCKWALL MONUMENT "RESET #1 3" BRASS DISK FOUND AT FM 740 (RIDGE ROAD) AND SUMMER LEE DRIVE NEAR NORTHWEST CORNER OF THE PARKING LOT FOR THE COMMUNITY BANK.  
N: 7011544.252; E: 2590135.160; ELEVATION: 567.704  
BASED ON NAD-83 TX, STATE PLANE, NORTH CENTRAL ZONE.



ENGINEERING / PROJECT MANAGEMENT /  
CONSTRUCTION SERVICES - FIRM REG. #F-00145  
201 WINDCO CIR, STE 200, WYLIE, TX 75098  
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

REVISIONS:	
DRAWN: ECDLP	DATE: January 7, 2020
CHECKED: TW	DATE: January 7, 2020
PROJECT NO.: 5211	
DWG FILE NAME: 12-GENERAL NOTES & SITE DETAILS.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.



GENERAL NOTES & SITE DETAILS  
HORIZON ROAD SELF STORAGE  
PHASE 1 & 2 - 575 UNITS  
TRACT 23 OF RAINBOW ACRES  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET

19

"Case No. SP2019-027"

Z:\PROJECTS\05211 Rockwall Mini Storage\Drawings\GENERAL NOTES & SITE DETAILS.dwg - GENERAL NOTES & SITE DETAILS SHEETS\12-GENERAL NOTES & SITE DETAILS.DWG