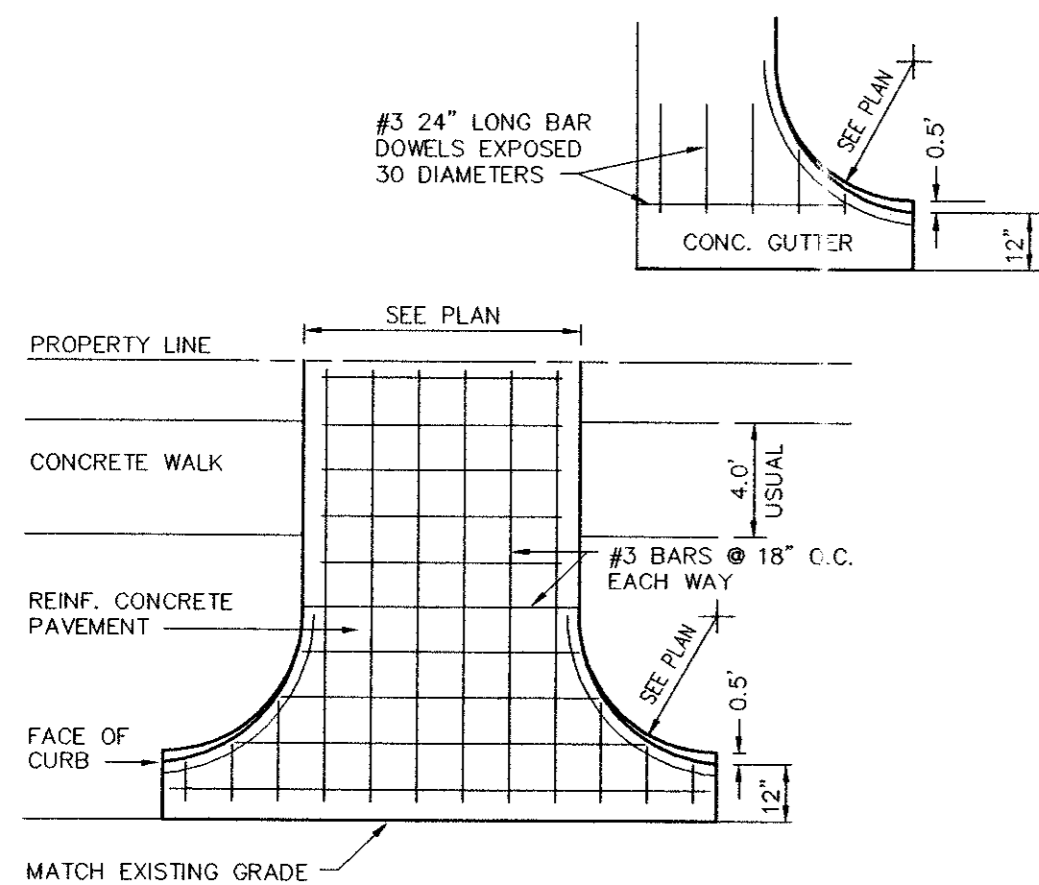
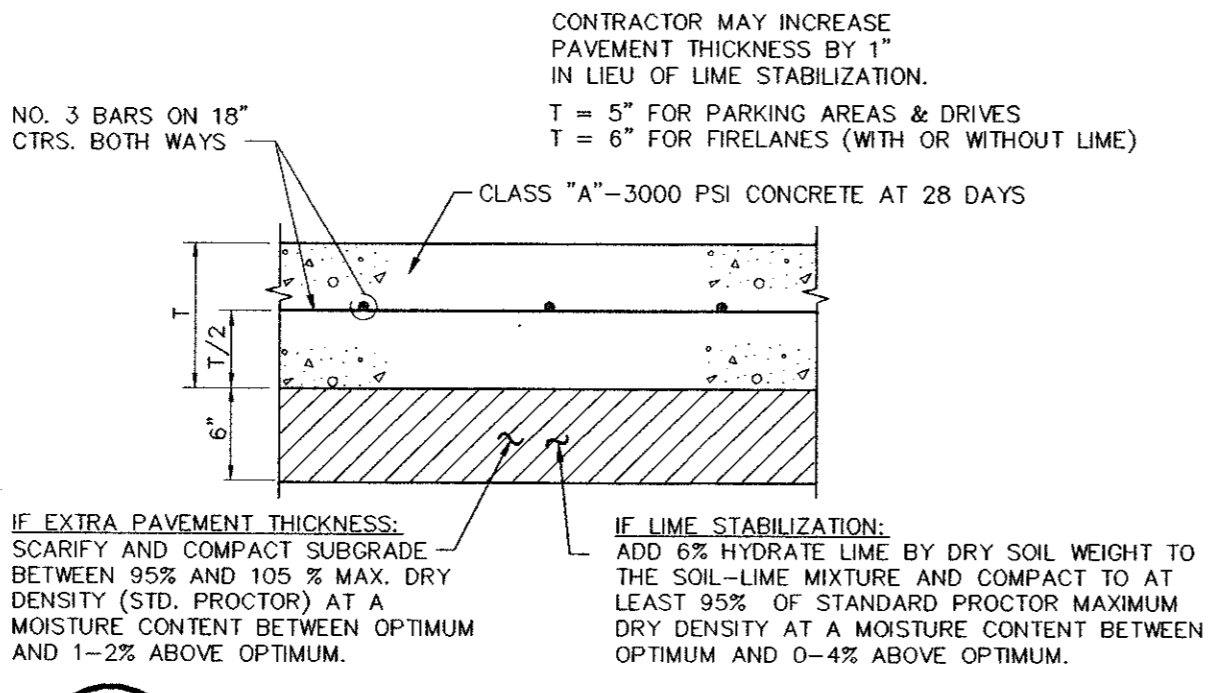


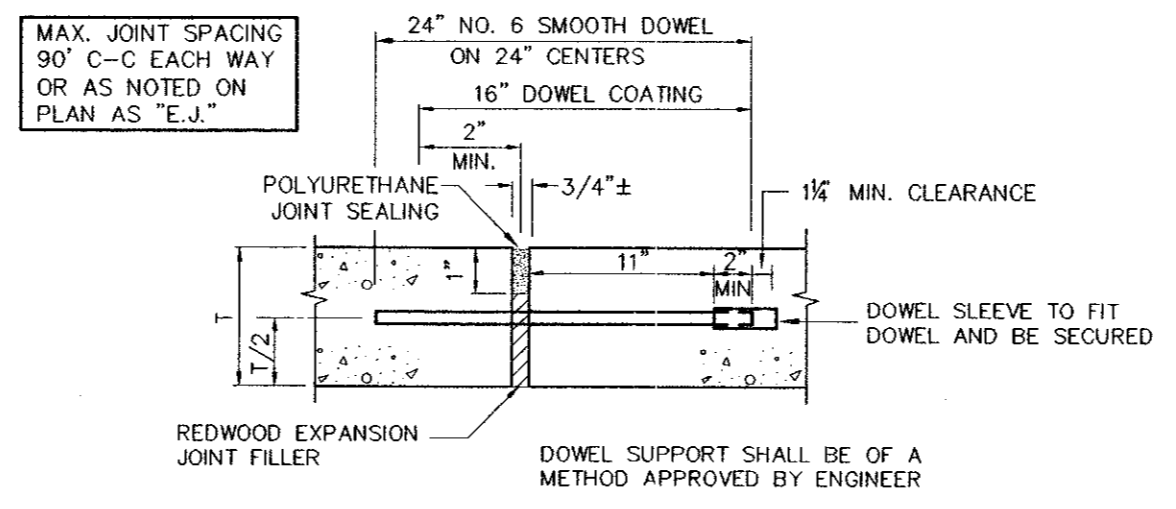
23-2
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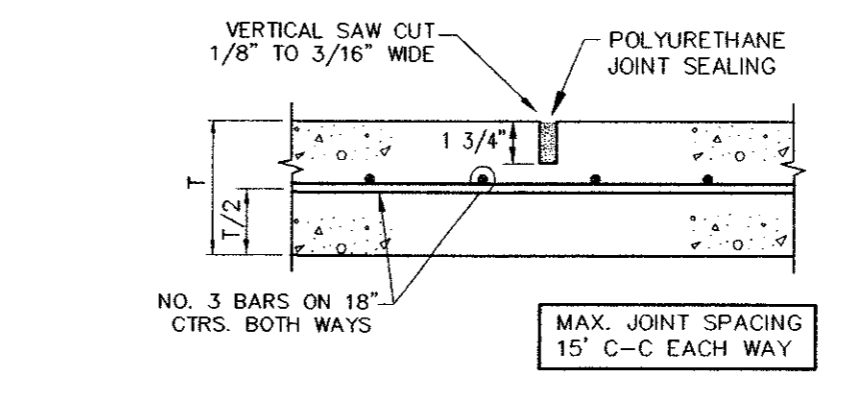
1 DRIVEWAY APPROACH
NOT TO SCALE



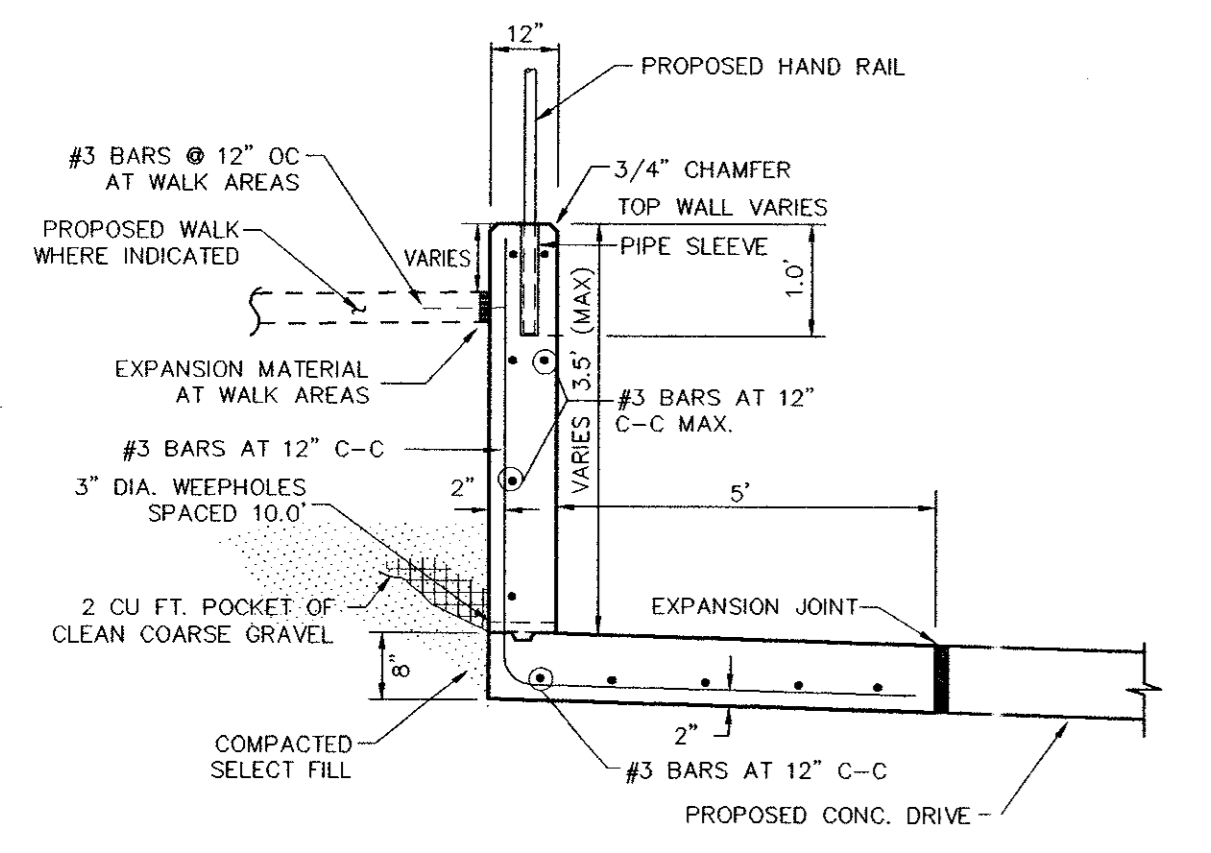
2 PAVEMENT SECTION
NOT TO SCALE



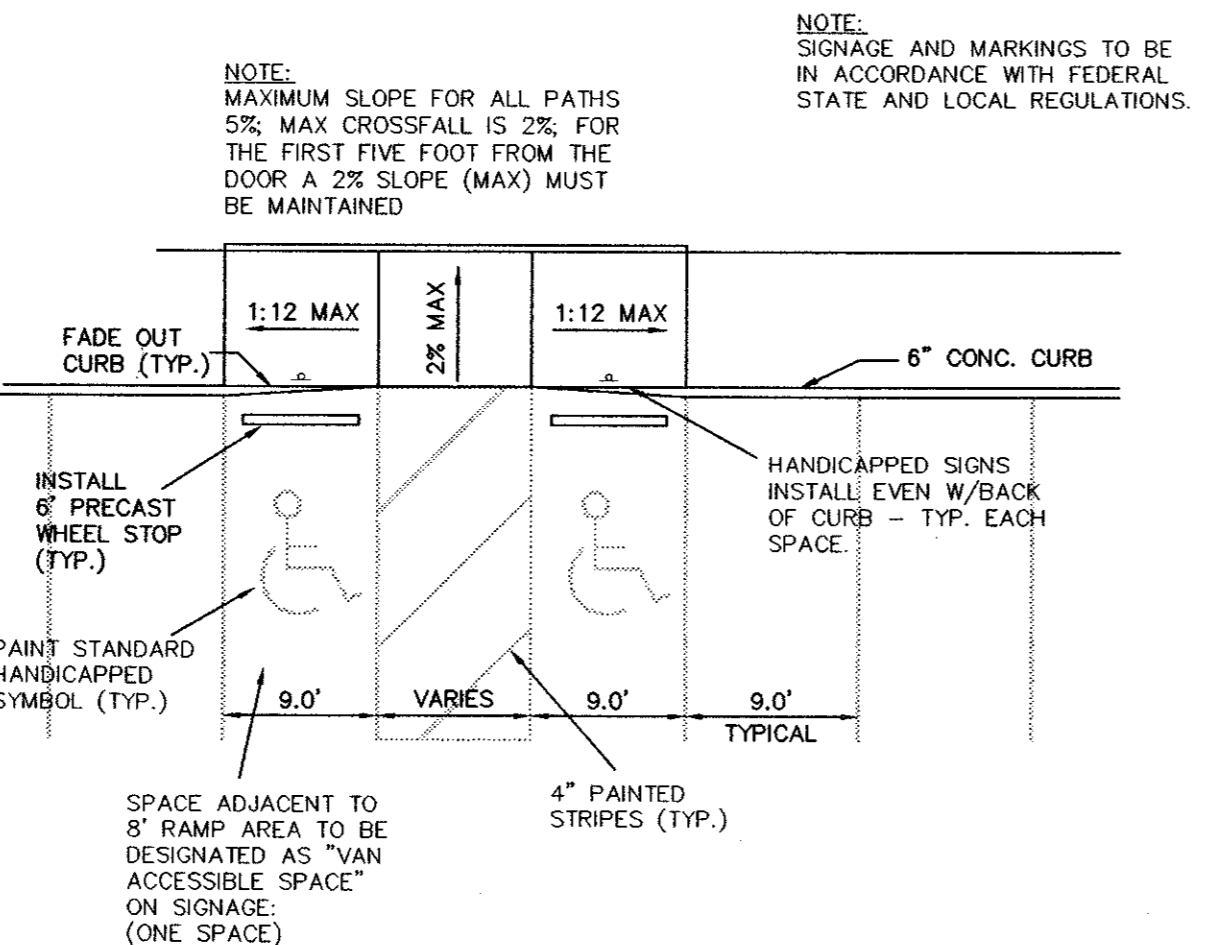
3 EXPANSION JOINT
NOT TO SCALE



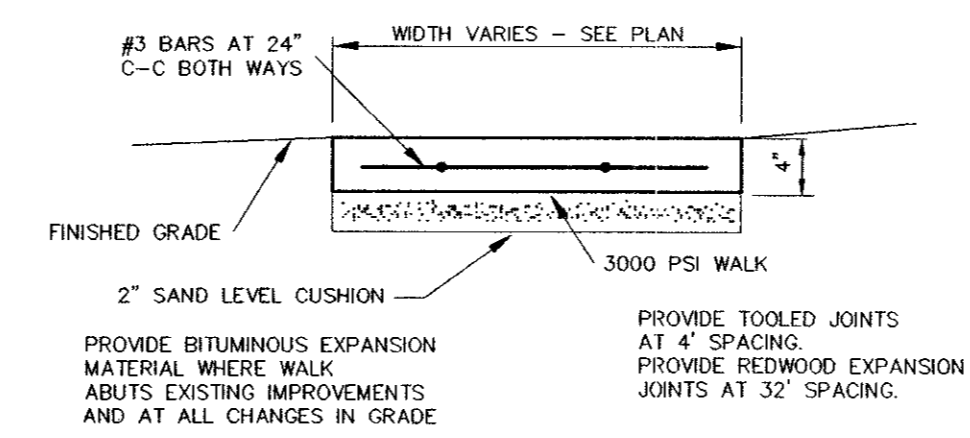
4 SAWED DUMMY JOINT
NOT TO SCALE



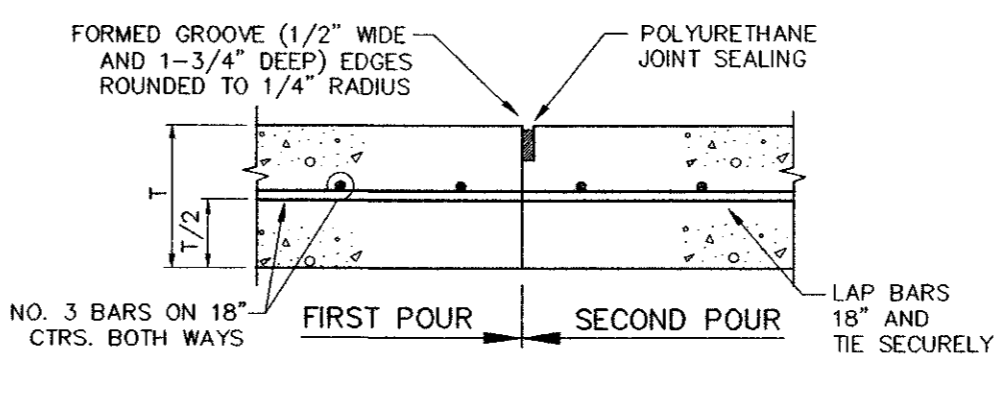
5 RETAINING WALL DETAIL
NOT TO SCALE



6 HANDICAP PARKING DETAIL
NOT TO SCALE

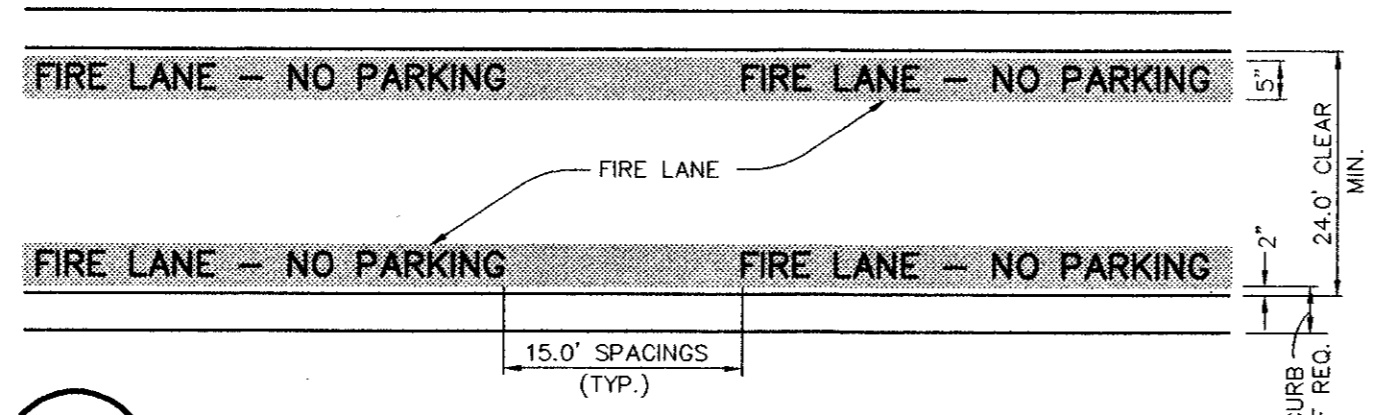


7 CONCRETE WALK
NOT TO SCALE



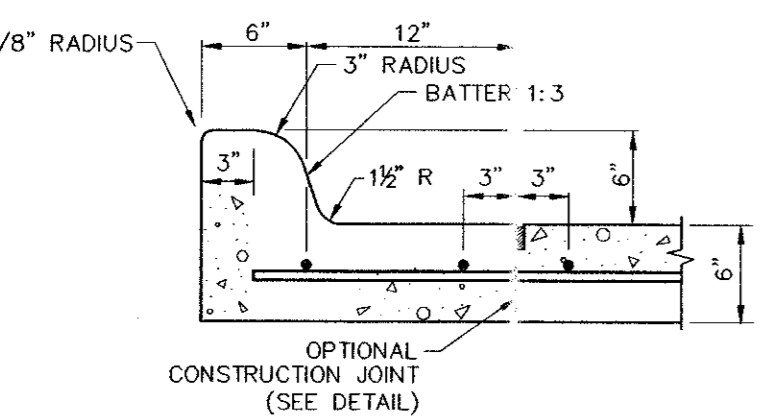
8 CONSTRUCTION JOINT
NOT TO SCALE

- GENERAL NOTES**
- A. Prior to final acceptance by the Town of Addison,
 1. A Texas Registered Professional Engineer shall certify that the project was constructed in accordance with the plans and specifications approved by the Town of Addison.
 2. The owner shall provide 1 reproducible set of as-built (sealed and certified by a Texas Registered Engineer) and 2 blue line sets.
 3. A five foot sidewalk shall be installed along the public street. See attached detail.
 4. A one year 10% maintenance bond is required for the public infrastructure.
 5. Contractor shall demonstrate that the water and sanitary sewer systems meet the property pressure, bacteria, and mandrel tests. In addition, the owner shall provide a VHS format video tape of the sanitary sewer.
 - B. Prior to starting construction, the contractor shall contact the utility companies to locate existing facilities. These include but may not be limited to the following:
 1. Town of Addison
 2. Lone Star Gas
 3. Southwestern Bell Telephone
 4. Storer Cable
 5. Planned Cable Systems
 6. T.U. Electric
 - C. Prior to beginning construction, the owner or his authorized representative shall convene a preconstruction conference among the Town of Addison, Consulting Engineers, Contractor(s), Utility companies and any other affected parties. Notify Bruce Ellis at (972) 450-2847 at least 48 hours prior to beginning construction.
 - D. Any existing pavement, curbs, and/or sidewalks damaged or removed will be repaired by the contract at their expense.
 - E. Lot pins shall be installed after construction and prior to final acceptance. Concrete monuments shall be placed as shown on the final plot and iron pins shall be placed at block corners, curve points and angle points in public right-of-way. Concrete monuments shall be six (6) inches in diameter and twenty-four (24) inches long. An iron rod one-half inch in diameter embedded at least three (3) inches in the monument at the exact intersection point of the monument. The monument shall be set at such an elevation that after construction, the top of the monument will be not less than twelve (12) inches below the ground surface.
 - F. The contractor shall stamp a 2-inch "S" and a 2-inch "W" in the curb at the location of the sewer service and water service lines respectively.
 - G. At intersections that have valley drainage, the crown of the intersecting streets will culminate in a distance of 40 feet from the intersection curve line unless otherwise noted.
 - H. Temporary or permanent street barricades shall remain at all points of ingress and egress to prevent public use until such street received final acceptance.
 - I. Contractor shall obtain right-of-way permit by the Town of Addison for working within the public right-of-way.
 - J. During construction, the owner shall provide a qualified geotechnical lab to perform materials testing during the construction at the request of the Town of Addison.
 - K. The contractor shall submit material sheets to the Town of Addison for approval prior to incorporating materials into the job.
 - L. The utility contractor shall submit to the Town of Addison for approval a trench safety plan sealed by a registered professional engineer for the installation of utilities greater than five (5) feet in depth.
 - M. All existing and proposed improvements (valves, manholes, fire hydrants, water meters, etc.) shall be adjusted to finished grade by the contractor.

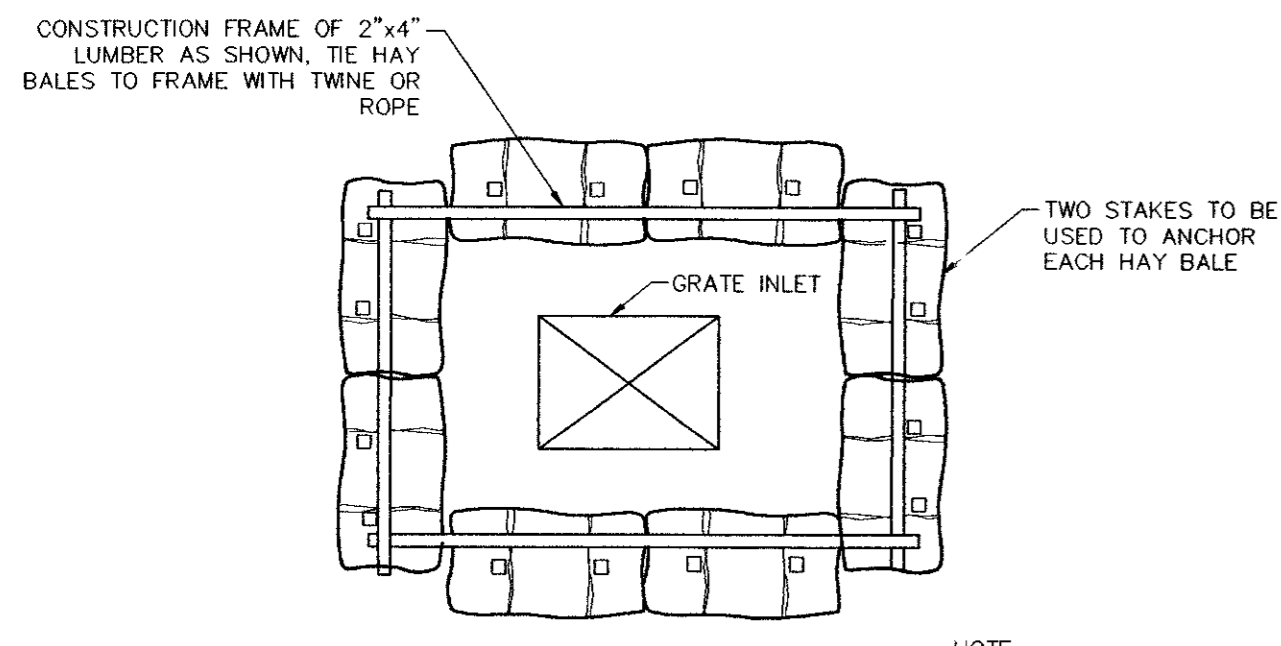


10 FIRE LANE STRIPING DETAIL

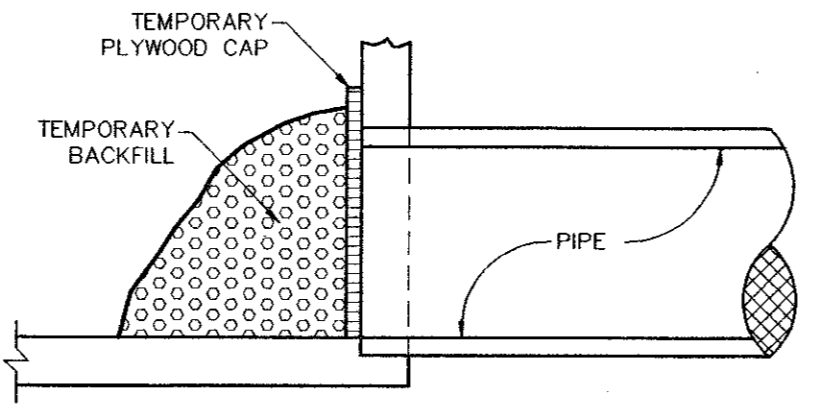
- STRIPING DETAIL:**
- A. PAINT:
 1. STRIPE SHALL BE FIVE (5) INCHES WIDE PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
 - A. COLOR SHALL BE "TRAFFIC RED" GULDEN NO. 63251 OR EQUAL.
 2. LETTERS SHALL BE FOUR (4) INCHES HIGH PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
 - B. COLOR SHALL BE "TRAFFIC WHITE" GULDEN NO. 563245 OR EQUAL.
 - B. APPLICATION:
 1. STRIPE MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH.
 2. LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIED AND SPACED AS DETAILED ON THIS SHEET.



9 CURB DETAIL
NOT TO SCALE



11 GRATE INLET PROTECTION
NOT TO SCALE



CROSS SECTION
PHASE ONE
GRATE INLET PROTECTION
N.T.S.



THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JAMES A. KOCH, JR., P.E. 62218 ON 10/31/97. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

- WATER AND SANITARY SEWER GENERAL NOTES**
1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, AND TOWN OF ADDISON STANDARD CONSTRUCTION SPECIFICATIONS.
 2. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE CLASS "A", (3000 PSI).
 3. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT.
 4. CONTRACTOR SHALL MAINTAIN ONE SET OF "RECORD DRAWINGS" ON SITE WHICH WILL BE SUBMITTED TO OWNER OR ENGINEER UPON COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL INDICATE THE LOCATION OF ALL SUBTERRANEAN UTILITY IMPROVEMENTS, AND INDICATE TIES TO ALL MANHOLES, CULVERTS, INLETS, JUNCTION BOXES, ETC.
 5. ALL WATER MAINS SHALL BE DUCTILE IRON CLASS 51 WITH CATHODIC PROTECTION OR PVC C900, DR 18, CLASS 150.
 6. ALL WATER MAINS UNLESS OTHERWISE NOTED SHALL HAVE A MINIMUM COVER OF 48" BELOW FINISHED GRADE.
 7. SANITARY SEWER PIPE SHALL BE PVC SDR-35.
 8. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
 9. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO "STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION BARRICADING AND CONSTRUCTION STANDARDS."
 10. WHERE A SANITARY SEWER PARALLELS A WATERLINE, THE SEWER SHALL BE CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC MEETING ASTM SPECIFICATIONS WITH A PRESSURE RATING FOR BOTH THE PIPE AND JOINTS OF 150 PSI. THE VERTICAL SEPARATION SHALL BE MINIMUM OF TWO FEET BETWEEN OUTSIDE DIAMETERS AND THE HORIZONTAL SEPARATION SHALL BE A MINIMUM OF NINE FEET BETWEEN OUTSIDE DIAMETERS. THE SEWER SHALL BE LOCATED BELOW THE WATERLINE.
 11. WHERE PROPOSED WATER IS CROSSING ABOVE THE PROPOSED SANITARY SEWER THE CONTRACTOR SHALL CENTER ONE JOINT OF SEWER PIPE UNDERNEATH THE WATER LINES. THE SEWER LINE SHALL BE CEMENT STABILIZED, SAND BACKFILLED ZONE FOR 9 FEET ON EITHER SIDE OF THE CROSSING.

- PAVING AND DRAINAGE GENERAL NOTES**
1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, AND TOWN OF ADDISON STANDARD CONSTRUCTION SPECIFICATIONS.
 2. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE CLASS "A" (3000 PSI).
 3. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT.
 4. CONTRACTOR SHALL MAINTAIN ONE SET OF "RECORD DRAWINGS" ON SITE WHICH WILL BE SUBMITTED TO OWNER OR ENGINEER UPON COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL INDICATE THE LOCATION OF ALL SUBTERRANEAN UTILITY IMPROVEMENTS, AND INDICATE TIES TO ALL MANHOLES, CULVERTS, INLETS, JUNCTION BOXES, ETC.
 5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
 6. STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
 - a. RCP C-76, CLASS III
 - b. ADS N-12
 - c. HANCOR HI-Q
 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 7. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO "STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION BARRICADING AND CONSTRUCTION STANDARDS."

PACHECO KOCH 9401 LB
 Consulting Engineers, Inc.
 Civil Engineering • Land Surveying

STANDARDS

HILTON GA
RUNYON EXT. / I
LOT 2A, B

TOWNES of ADD

DESIGN	DRAWN	DATE	SCALE
JAK	MWA/CHI	OCT 1997	1"=30'