

EXISTING  
HICKORY RIDGE  
PHASE FOUR

FIRE STATION #4

SPRINGER ELEMENTARY  
SCHOOL

WARNING!  
EXIST 24"  
GAS LINE IN  
EASEMENT.

SILT FENCE

24' ACCESS  
EASEMENT

50' GAS EASEMENT

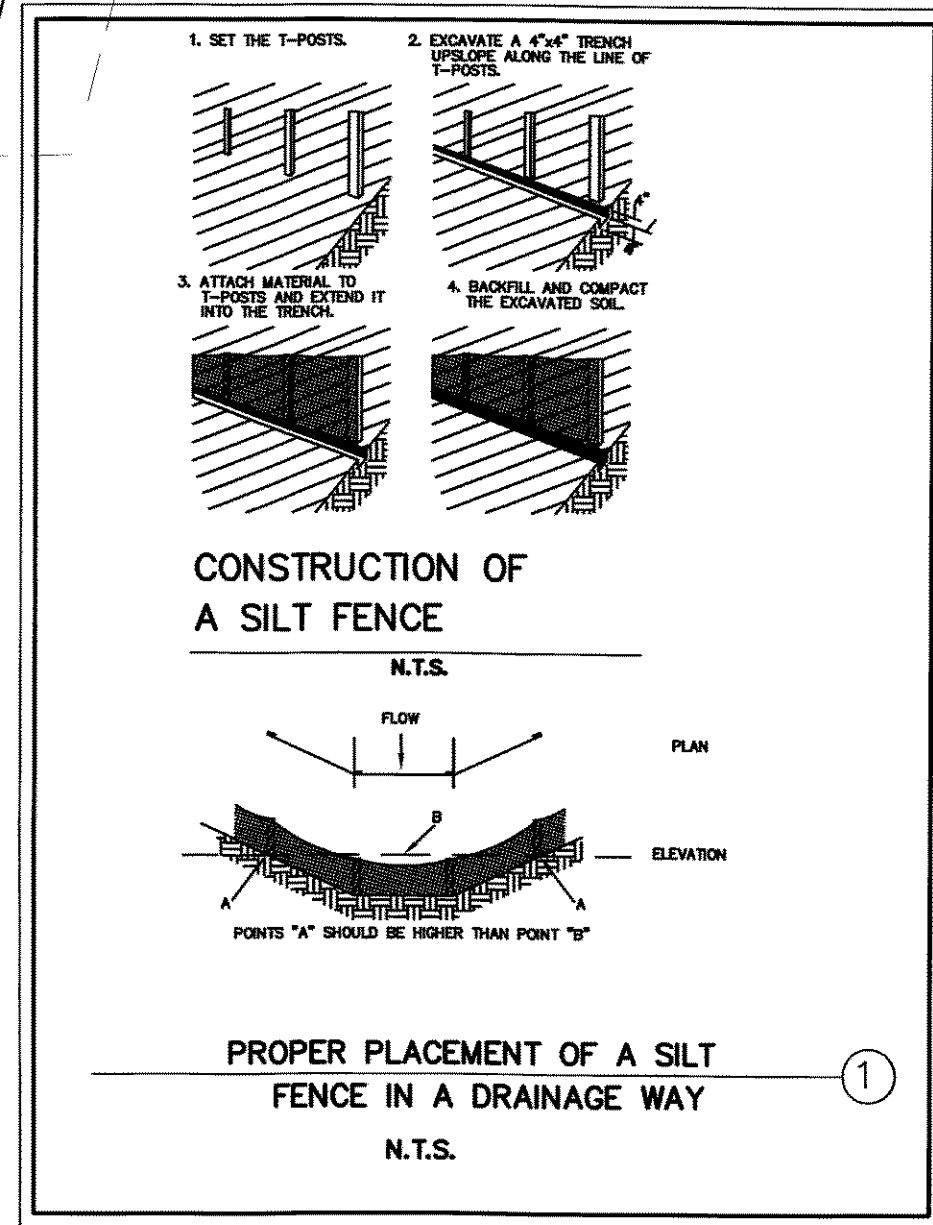
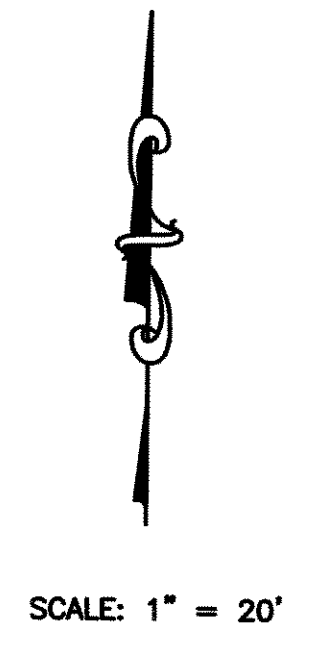
RAINFLOWER  
DRIVE

BUS DROP DRIVEWAY  
SPRINGER ELEMENTARY

PROPERTY LINE

PROPERTY LINE

STATE HIGHWAY 205



STANDARDS FOR SILT FENCE ①

**DEFINITION**

TEMPORARY BARRIER FENCE MADE OF BURLAP OR POLYPROPYLENE MATERIAL WHICH IS WATER PERMEABLE BUT WILL TRAP WATER - BORNE SEDIMENT.

**PURPOSE**

TO INTERCEPT AND DETAIN WATER - BORNE SEDIMENT FROM UNPROTECTED AREAS OF LIMITED EXTENT.

**CONDITIONS WHERE PRACTICE APPLIES**

SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR OTHER DRAINAGE WAY.

**DESIGN CRITERIA**

SILT FENCE IS CONSTRUCTED NEAR THE PERIMETER OF A DISTURBED SITE WITHIN THE DEVELOPING AREA. IT IS NOT TO BE CONSTRUCTED OUTSIDE THE PROPERTY LINES WITHOUT OBTAINING A LETTER OF PERMISSION FROM THE AFFECTED ADJACENT PROPERTY OWNERS.

A DESIGN IS NOT REQUIRED FOR THE INSTALLATION OF THE SILT FENCE. HOWEVER, THE FOLLOWING CRITERIA SHALL BE OBSERVED:

- DRAINAGE AREA - LESS THAN TWO ACRES
- HEIGHT - 30 INCHES MINIMUM HEIGHT MEASURED FROM EXISTING OR GRADED GROUND.
- MATERIAL - BURLAP, POLYPROPYLENE FABRIC, OR NYLON REINFORCED WITH POLYESTER NETTING. THE MULLEN BURST STRENGTH SHALL BE GREATER THAN 150 PSI. THE EDGES SHALL BE TREATED TO PREVENT UNIFORM SLIDING.
- SUPPORT - STEEL FENCE POSTS SPACED A MAXIMUM OF 8 FEET APART. WOVEN WIRE WILL BE USED TO SUPPORT THE MATERIAL.

STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE.

THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.

THE TRENCH SHOULD BE A MINIMUM OF 4 INCHES DEEP AND 4 INCHES WIDE TO ALLOW FOR THE SILT FENCE TO BE LAID IN THE GROUND AND BACKFILLED.

SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.

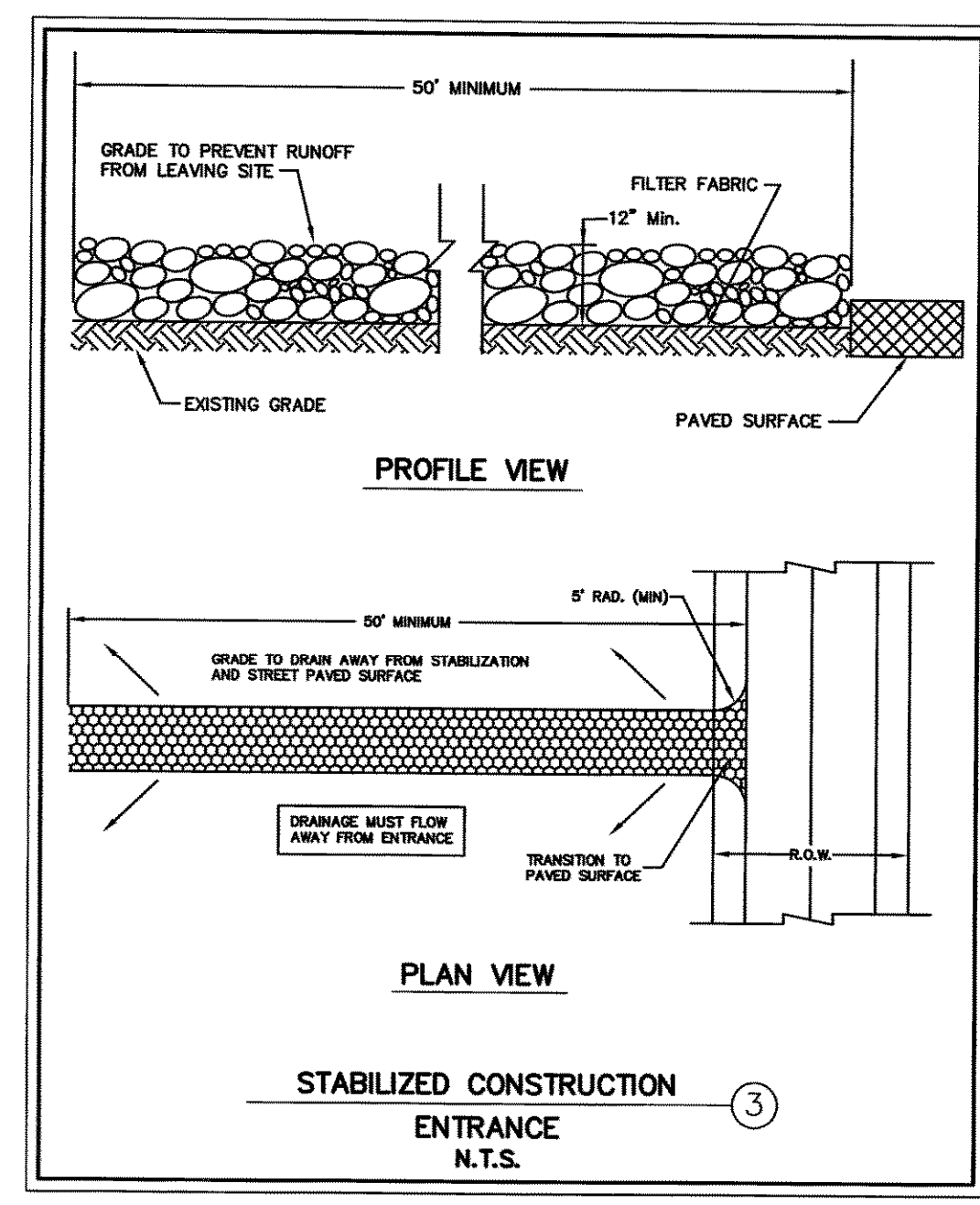
SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

**OUTLET**

SILT FENCE SHALL BE PLACED AND CONSTRUCTED IN SUCH A MANNER THAT RUNOFF FROM A DISTURBED SURFACE OR EXPOSED UPLAND AREA SHALL BE INTERCEPTED, SEDIMENT TRAPPED, AND THE SURFACE RUNOFF ALLOWED TO PERCOLATE THROUGH THE STRUCTURE.

SILT FENCE SHALL BE PLACED IN SUCH A MANNER THAT SURFACE RUNOFF WHICH PERCOLATES THROUGH WILL FLOW ONTO AN UNDISTURBED STABILIZED AREA OR STABILIZED OUTLET.

WHEN SILT REACHES 4-6 INCHES HIGH, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.



GENERAL NOTES  
STABILIZED CONSTRUCTION ENTRANCE ③

1. STONE SHALL BE A MIX OF 3 TO 5 INCH DIAMETER CRUSHED ROCK. NO CRUSHED PORTLAND CEMENT CONCRETE ALLOWED.
2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



Kathleen R. Lappen  
09-22-08

**CALLAHAN & FREEMAN**  
ARCHITECTS  
1150 E. Mansfield Hwy., Knoxville, TN 37606  
(617) 478-1137 Fax: (617) 561-2644  
P.O. Box 16577, Fort Worth, Texas 76119  
(817) 478-1785 (617) 478-1487

**Fab-Crete**  
"The" DESIGN - BUILD TEAM

NEW FIRE STATIONS  
**CITY OF ROCKWALL**  
FIRE STATIONS 3 AND 4  
ROCKWALL, TEXAS

EROSION  
CONTROL PLAN

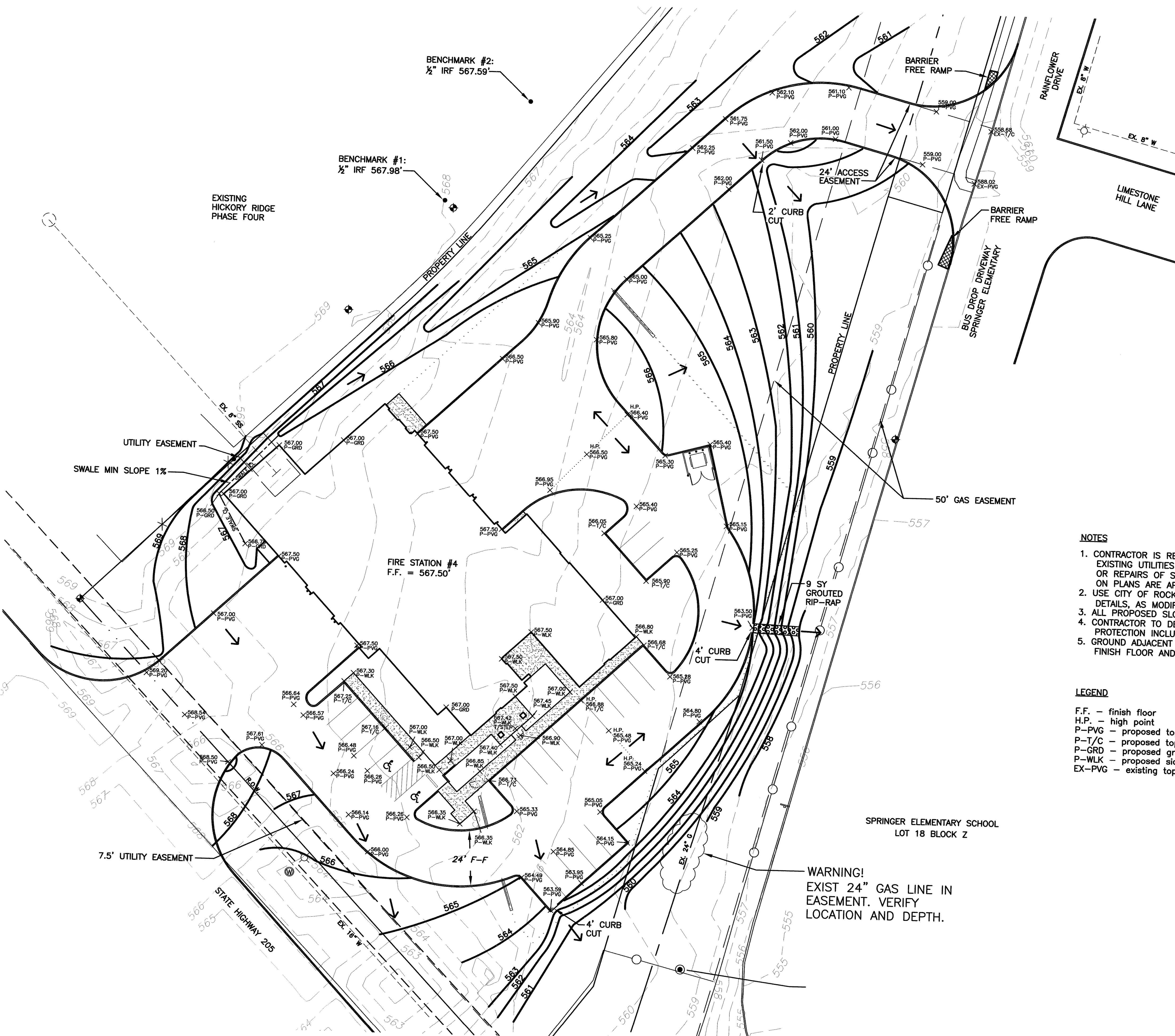
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SITE PLAN FIRE STATION 4





SCALE: 1" = 20'

**NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES AND FOR ANY RELOCATIONS, DAMAGES, OR REPAIRS OF SAID EXISTING UTILITIES. EXISTING UTILITIES ON PLANS ARE APPROXIMATE.
2. USE CITY OF ROCKWALL STANDARD DETAILS AND NCTCOG 3RD EDITION DETAILS, AS MODIFIED BY CITY.
3. ALL PROPOSED SLOPES TO BE 3:1 MAX.
4. CONTRACTOR TO DESIGN, INSTALL AND MAINTAIN EROSION PROTECTION INCLUDING SWPPP.
5. GROUND ADJACENT TO BUILDING SLAB SHALL BE MIN. 6" BELOW FINISH FLOOR AND WILL GRADE AWAY FROM BUILDING SLAB.

**LEGEND**

- F.F. - finish floor
- H.P. - high point
- P-PVG - proposed top of paving
- P-T/C - proposed top of curb
- P-GRD - proposed ground elevation
- P-WLK - proposed sidewalk grade
- EX-PVG - existing top of paving

WARNING!  
EXIST 24" GAS LINE IN  
EASEMENT. VERIFY  
LOCATION AND DEPTH.

Architecture, Design  
Construction Management

**CALLAHAN & FREEMAN**  
ARCHITECTS

1150 E. Mansfield Hwy., Knoxville, TN, 37603  
(615) 478-1137 Fax (615) 561-2544

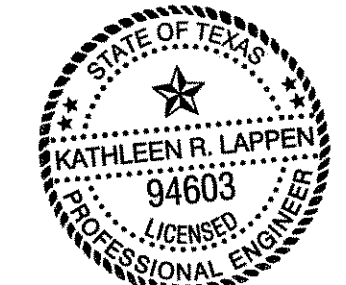
"The" DESIGN - BUILD TEAM

NEW FIRE STATIONS  
**CITY OF ROCKWALL**  
FIRE STATIONS 3 AND 4  
ROCKWALL, TEXAS

**SITE GRADING PLAN**

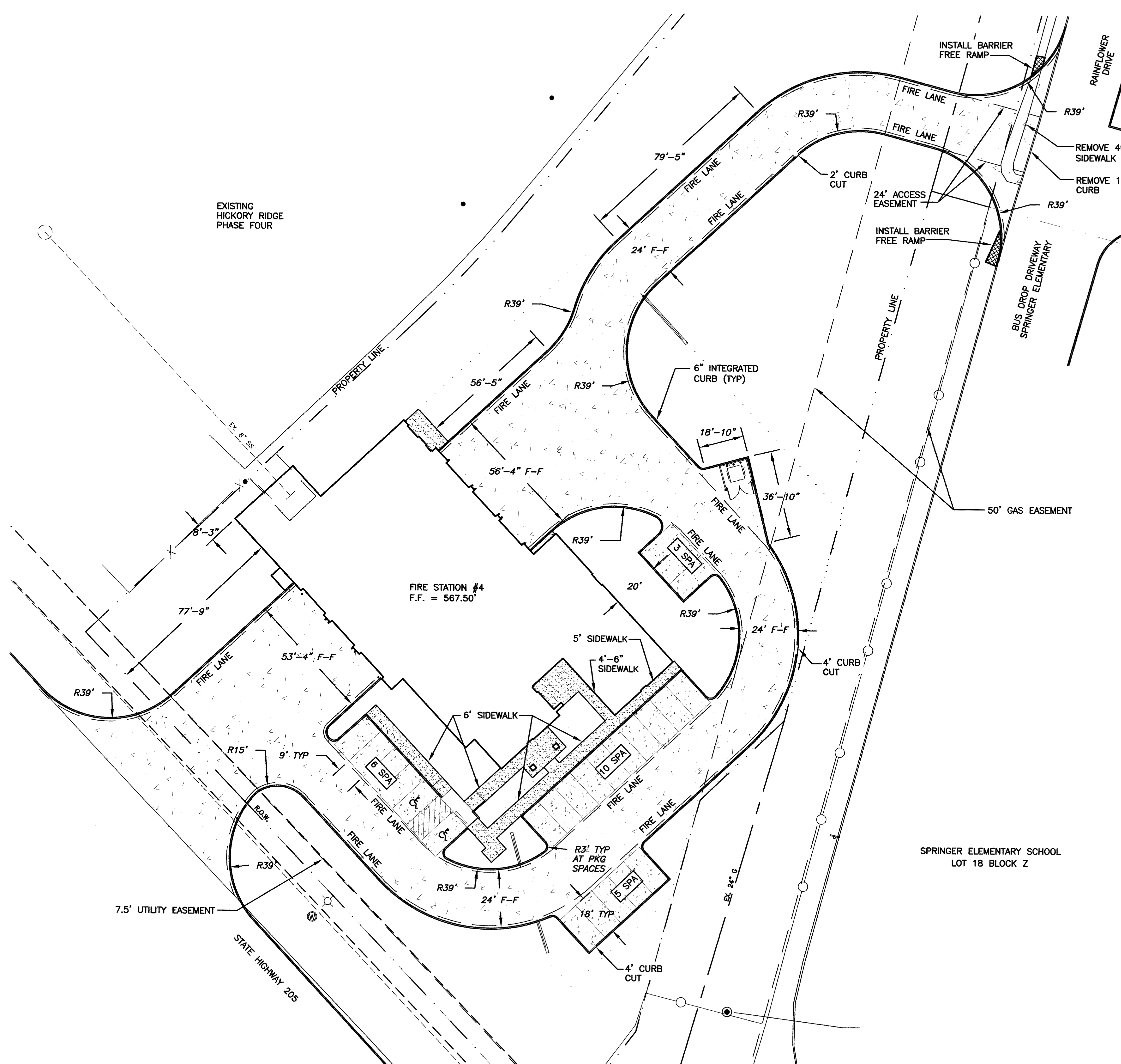
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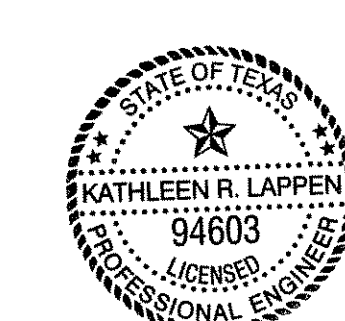
**PAVING LEGEND**

	8" 3600 PSI CONC (6 SACK MIN MACHINE FINISH) (6 1/2 SACK MIN HAND FINISH) NO. 3 BARS @ 18" C-C AND BOTH WAYS
	6" 3600 PSI CONC (6 SACK MIN MACHINE FINISH) (6 1/2 SACK MIN HAND FINISH) NO. 3 BARS @ 18" C-C AND BOTH WAYS
	4" 3000 PSI CONC (5 SACK MIN) NO. 3 BARS @ 24" C-C AND BOTH WAYS

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2. USE CITY OF ROCKWALL STANDARD DETAILS AND NCTCOG 3RD EDITION DETAILS, AS MODIFIED BY CITY.
3. SAW JOINTS IN PAVEMENT SHALL NOT EXCEED 15' C-C.
4. FIRE LANES TO BE MARKED AS "NO PARKING FIRE LANE" SPACED EVERY 25 FEET ON 6" RED STRIP WITH 4" WHITE LETTERS.

SCALE: 1" = 20'



Kathleen R. Lappen  
09-22-08

NEW FIRE STATIONS  
**CITY OF ROCKWALL**  
FIRE STATIONS 3 AND 4  
ROCKWALL, TEXAS

PAVING PLAN

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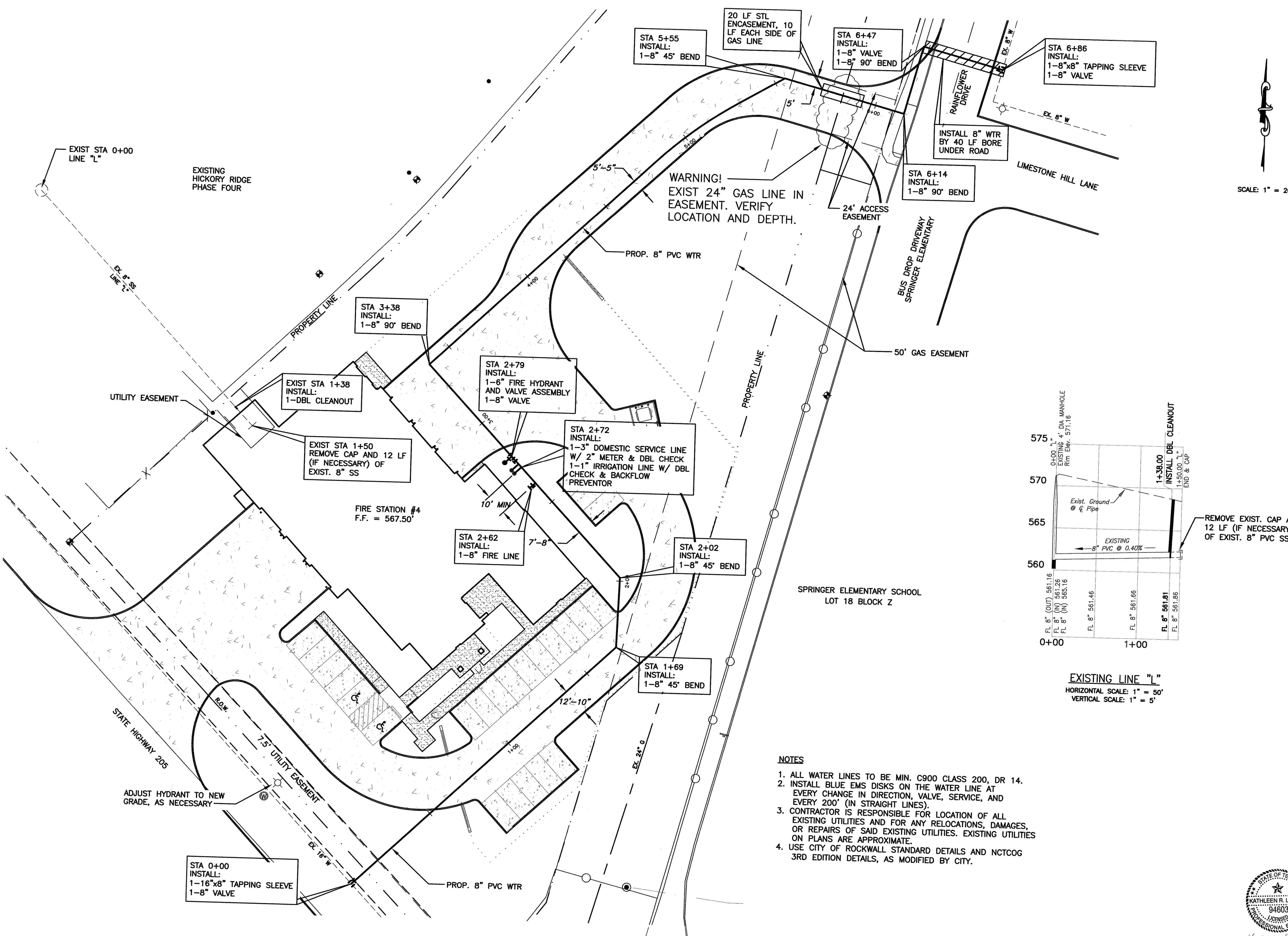
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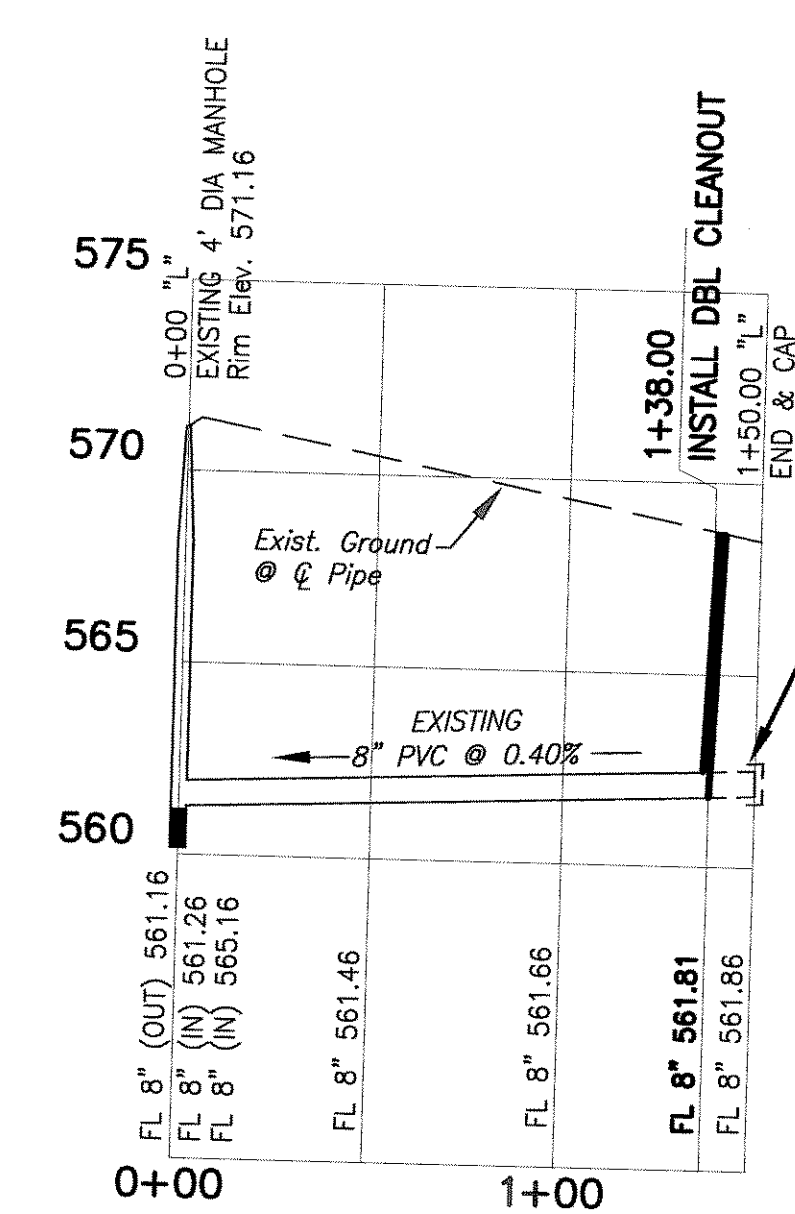
Callahan & Freeman  
ARCHITECTS  
1155 E. Mainfield Hwy., Kennedale, TX 76060  
(817) 478-1130 Fax: (817) 591-2544  
P.O. Box 16577, Fort Worth, Texas 76119  
(817) 478-1785 (817) 478-1497  
Construction Management  
Planning  
Analysis  
Technical Design

"The" DESIGN - BUILD TEAM





SCALE: 1" = 20'



EXISTING LINE "L"  
 HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'

- NOTES**
1. ALL WATER LINES TO BE MIN. C900 CLASS 200, DR 14.
  2. INSTALL BLUE EMS DISKS ON THE WATER LINE AT EVERY CHANGE IN DIRECTION, VALVE, SERVICE, AND EVERY 200' (IN STRAIGHT LINES).
  3. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES AND FOR ANY RELOCATIONS, DAMAGES, OR REPAIRS OF SAID EXISTING UTILITIES. EXISTING UTILITIES ON PLANS ARE APPROXIMATE.
  4. USE CITY OF ROCKWALL STANDARD DETAILS AND NCTCOG 3RD EDITION DETAILS, AS MODIFIED BY CITY.



Architectural Design  
 Analysis / Planning  
 Construction Management

**CALLAHAN & FREEMAN**  
 ARCHITECTS

1150 E. Westfield Blvd., Mesquite, TX 76060  
 (817) 478-1137 Fax (817) 581-2544

"The" DESIGN - BUILD TEAM

NEW FIRE STATIONS  
**CITY OF ROCKWALL**  
 FIRE STATIONS 3 AND 4  
 ROCKWALL, TEXAS

UTILITY PLAN

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SITE PLAN FIRE STATION 4