

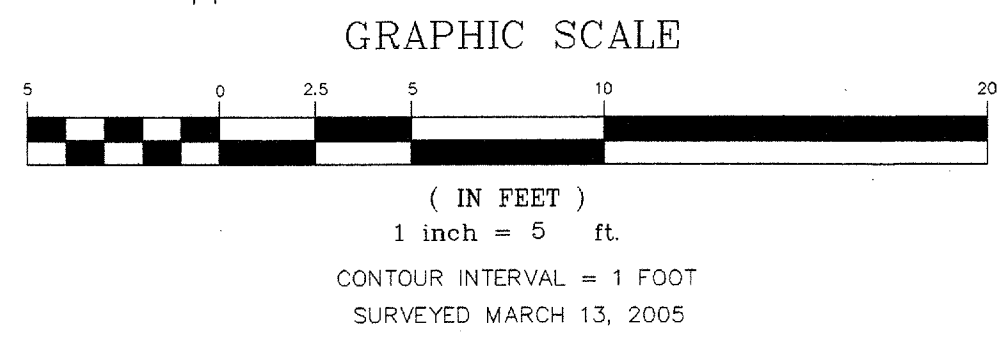
HAZEL R. HODGE & MILTON MORRIS  
5400 BELTLINE  
DALLAS, TX 75254

NOTE: PRIVATE PROPERTY - NO ACCESS ALLOWED

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PLAN  
SCALE: 1" = 5'

ALLEN JOHN CHARLES  
1419B LAKE FOREST DR.  
DALLAS, TX 75254



LAKE FOREST BRIDGE OVER TRIBUTARY OF WHITE ROCK CREEK

**NOTES:**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON STANDARD SPECIFICATIONS.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO THE TOWN OF ADDISON FOR REVIEW AND APPROVAL. CONTRACTOR SHALL FURNISH ALL NECESSARY TRAFFIC CONTROL SIGNS, BARRICADES AND FLAGMEN TO ACCOMMODATE TRAFFIC ON LAKEFOREST DRIVE FOR DURATION OF CONSTRUCTION ACTIVITIES.
- STAGING OF CONSTRUCTION EQUIPMENT/MATERIALS SHALL BE LIMITED TO AREA SHOWN ON THE PLAN, OR AS OTHERWISE MUTUALLY AGREED UPON BY THE TOWN OF ADDISON AND ADJACENT PROPERTY OWNERS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING WATER, GAS, SEWER, ELECTRIC, TELEPHONE, TELEVISION, AND OTHER UNDERGROUND UTILITIES AND STRUCTURES. ANY CONFLICTS WITH THE PROPOSED WORK SHALL BE COMMUNICATED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
- EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, FENCES, DRIVEWAYS, SIDEWALKS, PAVEMENT, CURBS, UTILITY PIPELINE AND DRAINAGE STRUCTURES WHICH ARE REMOVED OR ALTERED TO PERMIT INSTALLATION OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, IN THE SAME LOCATION AND IN A CONDITION AS GOOD AS OR BETTER THAN THEY WERE FOUND.
- NO MATERIALS WILL BE PERMITTED TO BE STORED WITHIN THE DRAINAGE CHANNEL OVERNIGHT. CONTRACTOR SHALL PREVENT EXCAVATED OR DISTURBED MATERIAL FROM FLOWING INTO THE DRAINAGE CHANNEL.
- NATURAL FLOW RATE OF BOX CULVERT SHALL BE MAINTAINED THROUGHOUT DURATION OF CONSTRUCTION. ANY PUMPING OR PIPING REQUIRED TO ACCOMMODATE DAILY FLOW SHALL BE PROVIDED BY THE CONTRACTOR.

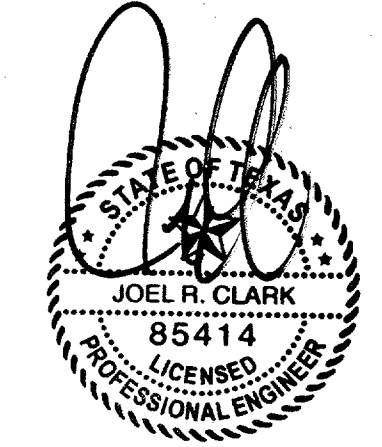
**REINFORCED SHOTCRETE**

- SHOTCRETE SHALL BE PLACED USING A WET MIX PROCESS AND SHALL ACHIEVE AT LEAST 4000 PSI (28-DAY) COMPRESSIVE STRENGTH. SHOTCRETE MIX DESIGN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- SHOTCRETE SHALL BE REINFORCED WITH #4 (ASTM A615, GRADE 60) BARS AT 12" O.C.E.W. ALL SPLICES SHALL CONFORM TO ACI CLASS "B" TENSION SPLICES. A MINIMUM OF 3 INCHES COVER SHALL BE PROVIDED OVER ALL REINFORCEMENT STEEL.
- SHOTCRETE SHALL BE SECONDARILY REINFORCED WITH FIBERMESH @ 300 SYNTHETIC FIBER REINFORCEMENT AT AN APPLICATION RATE OF 1.5 POUNDS PER CUBIC YARD.
- SHOTCRETE SHALL HAVE AN "AS SHOT" GUN FINISH.
- SHOTCRETE SHALL BE PLACED MONOLITHICALLY (I.E., NO CONSTRUCTION JOINTS ALLOWED)

**GABIONS AND ROCK RIPRAP**

- GABIONS SHALL BE GALVANIZED WITH AN ADDITIONAL PVC COATING AND SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM A975-97.
- ROCK RIPRAP SHALL BE IN CONFORMANCE WITH TXDOT TYPE "D".
- GEOTEXTILE FABRIC SHALL BE PLACED BENEATH THE PROPOSED GABIONS AND ROCK RIPRAP AS SHOWN ON THE SECTIONS. WHERE SPLICES OCCUR, ADJACENT PIECES OF GEOTEXTILE SHALL BE OVERLAPPED A MINIMUM OF EIGHTEEN INCHES (18"). GEOTEXTILE SHALL BE MIRAFI 140N OR APPROVED SUBSTITUTE.

LEGEND	
	Existing Gabions
	Proposed Gabions
	Proposed Reinforced Shotcrete
	Proposed Contours
	Proposed Rock Riprap
	Construction/Staging Area Limits



7-12-05

PLAN VIEW AND NOTES	
DESIGNED BY:	OPS
CHECKED BY:	JRC
DRAWN BY:	OPS
PROJECT:	0802
DATE:	JULY 2005
SHEET:	1 OF 2

LAKE FOREST DRIVE CULVERT REPAIR  
PROPOSED EROSION PROTECTION AT OUTFALL

Earth Retention Engineering  
P.O. BOX 5000 LITTLE ELM, TX. 75088  
TELEPHONE: (972) 294-5000  
FACSIMILE: (972) 294-2884

PROFESSIONAL  
SERVICES, L P

OLDEN

ADDISON, TEXAS