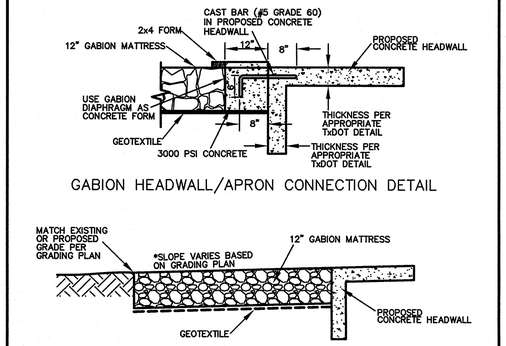
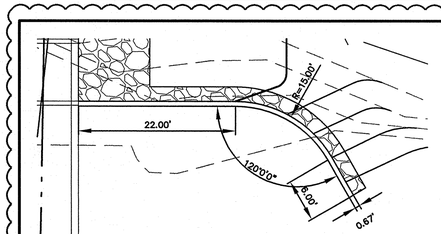


GABION MATTRESS DETAIL

N.T.S.

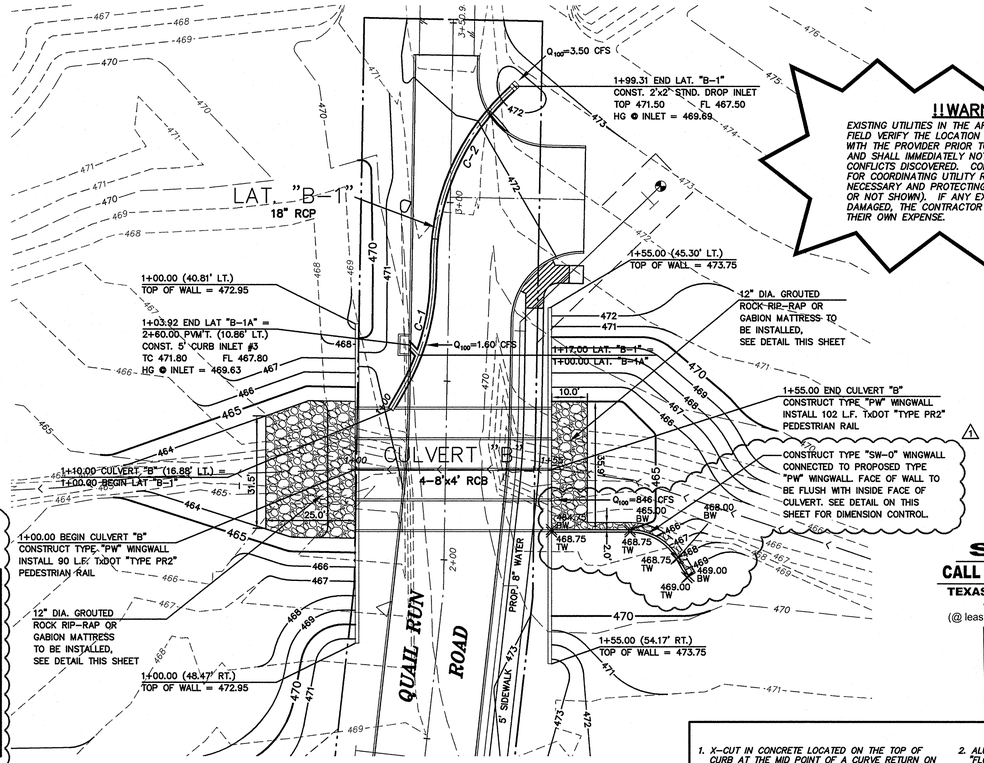


"SW-0" WALL DIMENSIONS DETAIL

1"=10'

"SW-0" WALL NOTES

1. "SW-0" WALL TO BE BUILT USING TxDOT STANDARDS WITH MODIFICATIONS AS NECESSARY.
2. "SW-0" WALL REINFORCING IS TO TIE INTO "PW" WALL REINFORCING IN A MANNER SIMILAR TO CORNER DETAILS SHOWN ON TxDOT "SW-0" DETAIL SHEET.
3. IF CULVERT "B" IS CAST-IN-PLACE, THEN OVERLAP "SW-0" REINFORCING BARS INTO CULVERT WALL AS SHOWN ON TxDOT "SW-0" DETAIL, SHEET C-16A. IF CULVERT "B" IS PRE-CAST, THEN DRILL AND EPOXY #5 DOWEL BARS 18" INTO CULVERT WALL. DOWEL LENGTH SHALL BE 3' TOTAL AND SPACING SHALL BE 1'.



BOX CULVERT "B" PLAN

!!WARNING!!

EXISTING UTILITIES IN THE AREA. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE PROVIDER PRIOR TO START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WHERE NECESSARY AND PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN). IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT THEIR OWN EXPENSE.

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

BOX CULVERT NOTES

1. EXCAVATION, BACKFILL, AND EMBEDMENT NECESSARY TO BUILD THE PROPOSED BOX CULVERTS WILL BE INCIDENTAL TO THE VARIOUS BID ITEMS. COMPACTION AROUND THE CULVERTS SHALL BE A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
2. EMBEDMENT FOR ALL BOX CULVERTS SHALL CONSIST OF 6" CRUSHED ROCK BELOW THE CULVERT AND COMPACTED GRANULAR MATERIAL AROUND AND TO A POINT 6" ABOVE THE CULVERT.

STOP!

CALL BEFORE YOU DIG

TEXAS ONE CALL SYSTEM

1-800-245-4545

(@ least 48 hours prior to digging)

RECORD DRAWING

THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF THE DESIGN ENGINEERS KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK, USING INFORMATION AS PROVIDED BY THE CONTRACTORS AND SURVEYED GRADES.

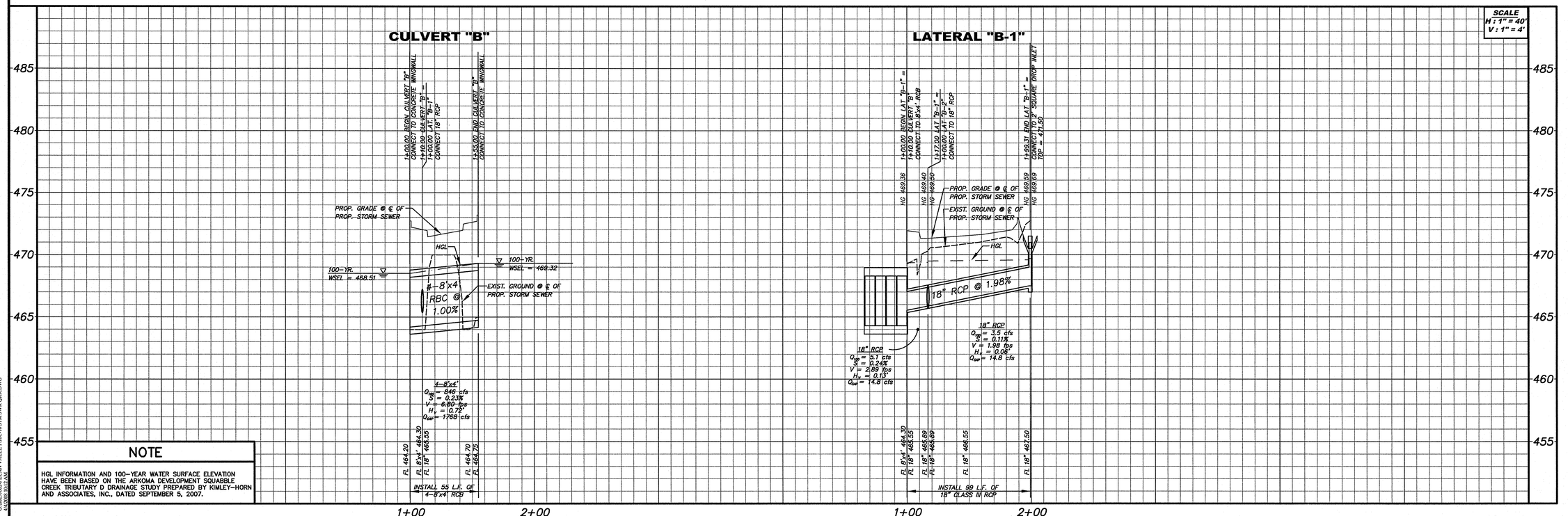
STORM SEWER LAT. "B-1" CURVE DATA

C-1	C-2
PC = 1+06.34	PC = 1+44.27
PT = 1+39.25	PT = 1+95.32
Δ = 29°00'51"	Δ = 45°00'00"
R = 65.00'	R = 65.00'
L = 32.91'	L = 51.05'
CH = 32.56'	CH = 49.75'
CB = N26°30'25"W	CB = S18°30'51"E
T = 16.82'	T = 28.92'

BENCHMARKS

1. *X-CUT IN CONCRETE LOCATED ON THE TOP OF CURB AT THE MID POINT OF A CURVE RETURN ON THE NORTH SIDE OF N. LAKESHORE DRIVE AT THE INTERSECTION WITH S.H. 205, 5' SOUTHEAST OF A POWER POLE. ELEVATION: 477.90'*
2. *ALUMINUM CAP FOUND IN CONCRETE LABELED, "FLOODWAY BOUNDARY" LOCATED ON THE SOUTHEAST SIDE OF N. LAKESHORE DRIVE, 72' SOUTHWEST FROM A PEDESTRIAN COLUMN ON SOUTHEAST END OF A BRIDGE, 23' EAST OF BACK OF CURB. ELEVATION: 470.06'*
3. *X-CUT IN CONCRETE LOCATED AT THE INTERSECTION OF THE EAST R.O.W. LINE OF RANDOM OAKS DRIVE AND THE NORTH R.O.W. LINE OF QUAIL RUN ROAD, 53' NORTHEAST OF A POWER POLE ON THE SOUTH SIDE OF QUAIL RUN ROAD. ELEVATION: 471.31'*

SCALE
H : 1" = 40'
V : 1" = 4'



NOTE

HGL INFORMATION AND 100-YEAR WATER SURFACE ELEVATION HAVE BEEN BASED ON THE ARKOMA DEVELOPMENT SQUABBLE CREEK TRIBUTARY D DRAINAGE STUDY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED SEPTEMBER 5, 2007.

No.	Date	Revisions	App.
1	04/04/08	WINGWALL ADDITION/GRADING MOD.	

Kimley-Horn and Associates, Inc.
5750 Genesis Court, Suite 200
Frisco, Texas 75034
Tel. No. (972) 335-3580
Fax No. (972) 335-3779

STATE OF TEXAS
PIETER D. KESSELS
87775
LICENSED
PROFESSIONAL ENGINEER
04-04-2008

Pecan Valley Drive and Quail Run Road

City of Rockwall, Texas

QUAIL RUN ROAD STORM SEWER PLAN AND PROFILE

Scale:	AS NOTED
Designed by:	T.B.B.
Drawn by:	J.J.D./B.B.P.
Checked by:	P.D.K.
Date:	April 04, 2008
Project No.	068237002

SHEET
C-12
OF 47

XREF's ATTACHED BY
DWG NAME G:\68237002-PECAN VALLEY\DWG\10-01STM SWR QRR.DWG
LAST SAVED 4/7/2008 7:46 AM
IMAGES
XREF's
XREF's ATTACHED BY
DWG NAME
LAST SAVED