100-YEAR FLOOD ELEV. FOR EXISTING WATERSHED CONDITIONS (YEAR 1996)
100-YEAR FLOOD ELEV. FOR PROJECTED FUTURE PHASE 5 WATERSHED CONDITIONS

490.48 [493.41] 18160 ← FLOODPLAIN CROSS SECTION NO.

FLOODPLAIN CROSS SECTION ALIGNMENT

NOTE: ALL FLOODPLAIN DATA PER "REPORT ON FLOODPLAIN ANALYSES CARUTH LAKE DEVELOPMENT PROJECT ROCKWALL, TX" SUBMITTED BY NATIONWIDE WATER RESOURCE SERVICE, INC. - DECEMBER 1996

No.	DATE	REVISION	APPROV.
1	1/28/99	ADDED 4' CONCRETE FLUME	RB

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS & SURVEYORS
12850 Hillcrest Road, Suite 200, Dallas, Texas 75230
(972) 490-7090 (972) 490-7099 FAX

F. E. MIDDLETON, JR. 67445 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS

DATE: 10-14-99

CARUTH LAKE PHASE FIVE
S.S. McCURRY SURVEY, ABSTRACT NO. 146
M.B. JONES SURVEY, ABSTRACT NO. 122
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

LUMBERMEN'S INVESTMENT CORPORATION
5495 BELTLINE ROAD, SUITE 225
DALLAS, TEXAS 75240

GRADING & EROSION CONTROL PLAN NORTH OF CARUTH LANE

Scale	1"=20'
Date	6-12-98
Designed By	NK
Drawn By	NK
Checked By	KG
File	14633GP5.DWG
Project No.	14633.01(20)

SHEET 11-A OF 31

INSTALL 8,291 SQUARE FEET OF LANDLOCK TRM 1060 OR APPROVED EQUAL FOR EROSION CONTROL. SEED THIS AREA AND ESTABLISH FULL GRASS COVER.

EX. CONTOURS

LOT 8-A COMMON AREA AND DRAINAGE ESMT.

SQUABBLE CREEK

OVERBANK VELOCITIES 2-6 fps

LIMIT OF GABIONS AT TOE OF SLOPE

CARUTH LANE (65' ROW)

LOT 11

LOT 8

LOT 12

LOT 7

ALLEY "11" (20' ROW)

HIGH COTTON LANE (50' ROW)

CONCRETE PAVING

65' ROW

STA. 35+74.58 CARUTH LANE BEGIN GABIONS

6" THICK GABION MATTRESS PER NCTCOG, ITEM 2.24

45° DAVE

END NEW GUARD RAIL

BEGIN NEW GUARD RAIL

STATE OF TEXAS ROADSIDE PARK

STATE HWY. 66

GUARDRAIL

EX. SINGLE SPAN BRIDGE

CONTOUR GABIONS AROUND TYPE "C" HEADWALL

REMOVE APPROX. 30 LF METAL BEAM GUARD RAIL -CONNECT TO EXISTING RAIL & INSTALL 38 LF OF NEW METAL BEAM GUARD RAIL AS SHOWN

STA. 36+30.76 (39.35' LT)
CARUTH LANE=
STA. 0+00 LINE "10"
CONST. 1-21" TYPE "C" HDWL

STA. 0+08.49 LN "10"=
STA. 36+35.00 (32' LF)
INSTALL 30° BEND

STA. 36+08 (22.5' LT)
CARUTH LANE
CONST. 1-5' STD.
CURB INLET (V)
TC 492.45
FL 487.95

SEE SHEET 7 FOR FLUME DETAIL

STA. 36+35.00 (34.52' RT)
CARUTH LANE=
STA. 0+75.00 LINE "10"
CONST. 1-21" TYPE "C" HDWL
FL 487.46

LINE "10"
"21" RCP

PROPOSED ASPHALT TRANSITION

P.I. STA. 36+45.96 (22.5' LT) CARUTH LANE

P.I. STA. 36+46.78 (22.5' RT) CARUTH LANE

60' ROW

ASPHALT PAVING

Ex. 21" W

Ex. 12" W

FL MAIN (TYP.)

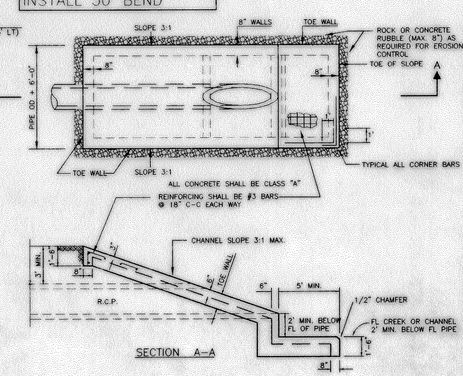
Ex. 8" W

AS BUILT

Winkelmann & Associates, Inc. hereby states that this plan, to the best of our knowledge is "As Built." Modifications from the originally approved construction documents have been made as per information provided by the contractor. Winkelmann & Associates, Inc. does not certify as to the correctness or quality of construction as no field inspection was performed.

F. E. Middleton Jr. 10-14-99
WINKELMANN & ASSOCIATES, INC. DATE

NOTE: GABION MATTRESSES SHALL BE PLACED AROUND EXISTING TREES AS NECESSARY. EXACT LIMITS TO BE FIELD DETERMINED BY DESIGN ENGINEER.



TYPE C HEADWALL
N.T.S.

BENCHMARK:
PK NAIL IN ℄ OF CARUTH LANE & ALLEY INTERSECTION 150'± EAST OF MORNINGSTAR DRIVE.
ELEV. 491.68

BENCHMARK:
"X" CHISELED IN ℄ OF ALLEY EAST OF MORNINGSTAR DRIVE WITHIN 3RD LOT NORTH OF MIDNIGHT PASS.
ELEV. 513.26

0' 10' 20' 40'
SCALE 1"=20'

C:\RUSSELL\14633GP5.dwg Thu Jan 28 08:41:54 1999 russell