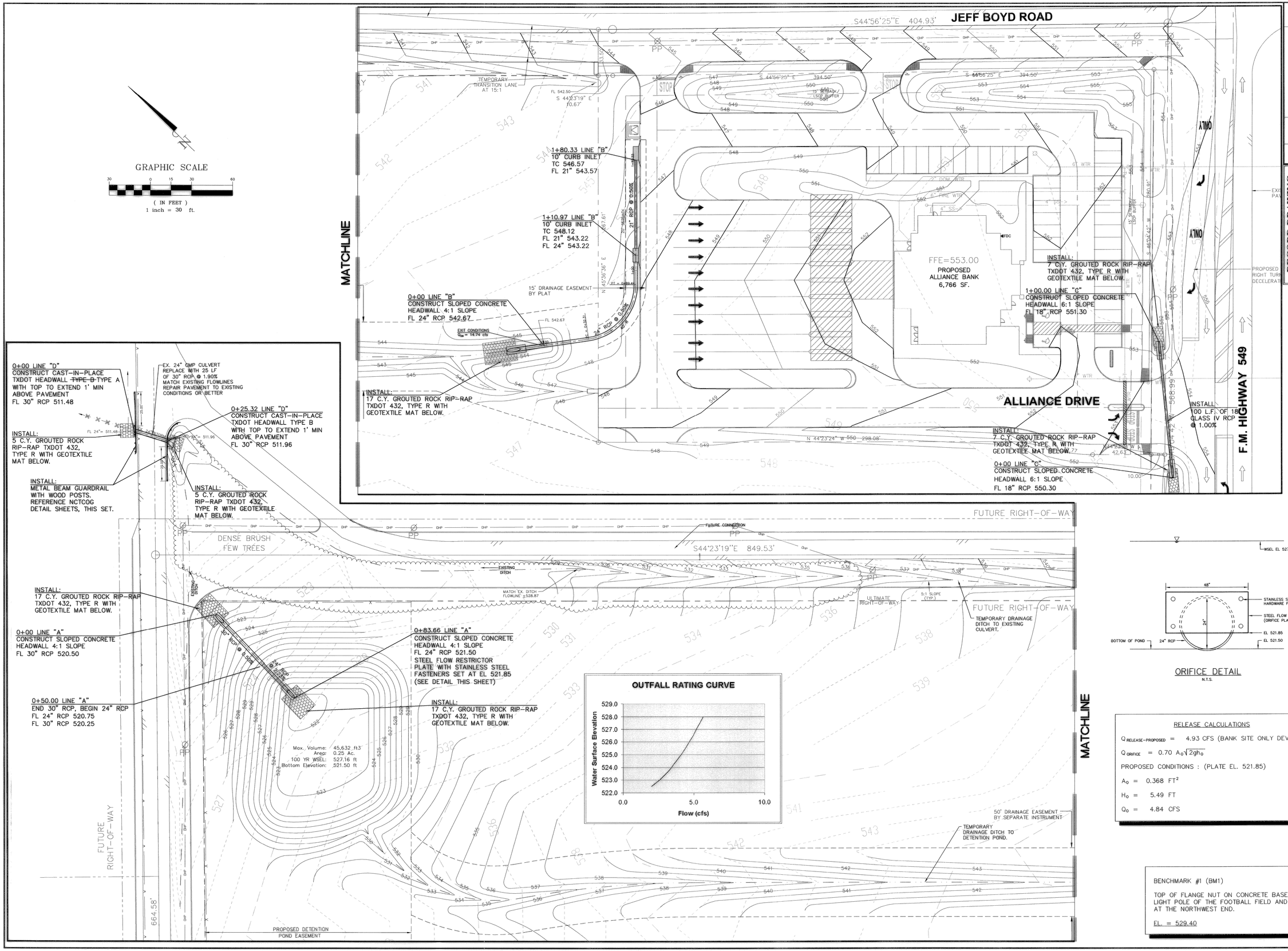

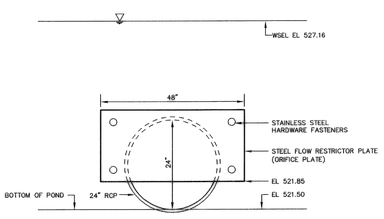

ORIFICE DETAIL
N.T.S.

RELEASE CALCULATIONS

$Q_{RELEASE-PROPOSED}$ = 4.93 CFS (BANK SITE ONLY DEVELOPED)

$Q_{ORIFICE} = 0.70\ A_O\sqrt{2gh_O}$

PROPOSED CONDITIONS : (PLATE EL. 521.85)

A_O = 0.368 FT^2

H_O = 5.49 FT

Q_O = 4.84 CFS

BENCHMARK #1 (BM1)

TOP OF FLANGE NUT ON CONCRETE BASE OF LIGHT POLE OF THE FOOTBALL FIELD AND TRACK AT THE NORTHWEST END.

EL. = 529.40

RECORD DRAWING
THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF OUR PERSONAL KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK, USING INFORMATION ACCEPTED BY THE CONTRACTORS.

No.	Date	Revisions	App.

Kimley-Horn and Associates, Inc.
12700 Park Central Drive, Suite 1800
Dallas, Texas 75251
Tel: No. (972) 770-1300
Fax No. (972) 239-3820

STATE OF TEXAS
NICHOLAS SULKOWSKI
LICENSE
PROFESSIONAL ENGINEER

ALLIANCE
ROCKWALL COUNTY
CITY OF ROCKWALL, TEXAS

STORM SEWER PLAN

Scale: 1" = 30'
Designed by: BJG
Drawn by: DLC
Checked by: JRH
Date: SEPTEMBER 2005
Project No. 064015000

SHEET
C-14

Imagepts: XQ-UTIL.jpg
File: G:\2015\064015000\05CSTM.dwg [Layout1] 9/19/2005 10:42am
Xrefs: X2436 XUTL XSTM XSITE XBDY XASBL1 XTOPO XCULTL XGRID