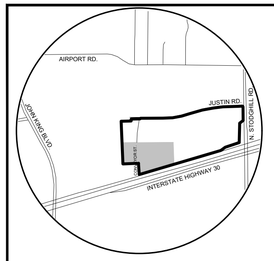
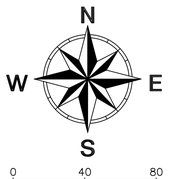


VICINITY MAP
NOT TO SCALE



BEFORE YOU DIG Texas 811

LEGEND

- EXISTING CONTOURS
- 575 PROP. CONTOURS
- STABILIZED CONSTRUCTION ENTRANCE 8" STONES
- SILT FENCE
- CONCRETE WASHOUT AREA 10 MIL. LINER WITH BERM AROUND
- INLET PROTECTION
- ROCK CHECK DAM

SEDIMENT BASIN CALCULATIONS:
TOTAL DISTURBED AREA = 22.5 ACRES
iSWM 2 YR STORM 24 HOUR INTENSITY = 0.15 in/hr

BASIN:
AREA = 22.5 ACRES
Q = (0.35)(.15)(22.5) = 1.181 cfs
Vreq = (1.181)(60)(60)(24) = 102,060 cu.ft.
or Vreq = (3600)(22.5) = 81,000 + 1000 = 82,000 cu.ft.

BASIN OUTLET:
Tc = 24 hr
I25 = 0.30 in/hr
Q25 = (0.35)(0.30)(22.5) = 2.363 cfs
Vreq = (2.363)(60)(60)(24) = 204,120 cu.ft.

SPILLWAY:
Qe = Q25-Qp = 2.363-1.181 = 1.182 cfs

NOTES:
1. *PROPOSED DETENTION POND TO BE USED AS TEMPORARY SEDIMENT BASIN. REFER TO SHEET C-05.04 FOR POND DETAILS*
2. *CALCULATIONS COMPLETED IN ACCORDANCE WITH iSWM TECHNICAL MANUAL SEC. 3.9.7*

NOTICES TO CONTRACTOR

EXISTING UNDERGROUND/BURIED PUBLIC, PRIVATE, AND FRANCHISE UTILITIES/FACILITIES AFFECT THIS SITE, AND ARE DEPICTED ON THE PLANS PER THE BEST AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PRODUCED. WINKELMANN & ASSOC., INC. SHALL NOT BE RESPONSIBLE FOR KNOWING THE EXACT LOCATION OF ALL FACILITIES OR DEPICTING EXACT LOCATIONS OF SAID FACILITIES ON THE PLANS BEYOND WHAT IS STATED ABOVE.

CONTRACTOR(S) SHALL CALL "811" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK ON THE SITE, AND SHALL NOT BEGIN ANY EXCAVATION OR DEMOLITION ACTIVITES UNTIL AFTER SAID FACILITIES HAVE BEEN MARKED AND/OR FLAGGED PER "811" OR THE FACILITY OWNERS.

CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.

ELEVATION - 605.81 feet

BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.

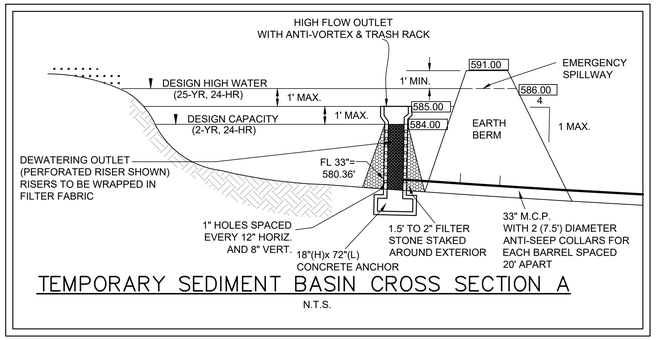
ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.

ELEVATION - 587.31 feet

ABBREVIATION LEGEND

PP	Power Pole	IRF	Iron Rod Found
GW	Guy Wire	IRS	Iron Rod Set
MH	Manhole	CIRS	Iron Rod Set w/ cap "WAI"
WV	Water Valve	CIRF	Iron Rod Found w/ cap
TP	Telephone Pedestal	XCS	"X" Cut in Concrete Set
WM	Water Meter	XCF	"X" Cut in Concrete Found
FH	Fire Hydrant	PKS	PK Nail Set
LP	Light Pole	PKF	PK Nail Found
IV	Irrigation Valve	SS	Sanitary Sewer
CO	Clean Out	SW	Storm Sewer
AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GMK	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UGC	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter



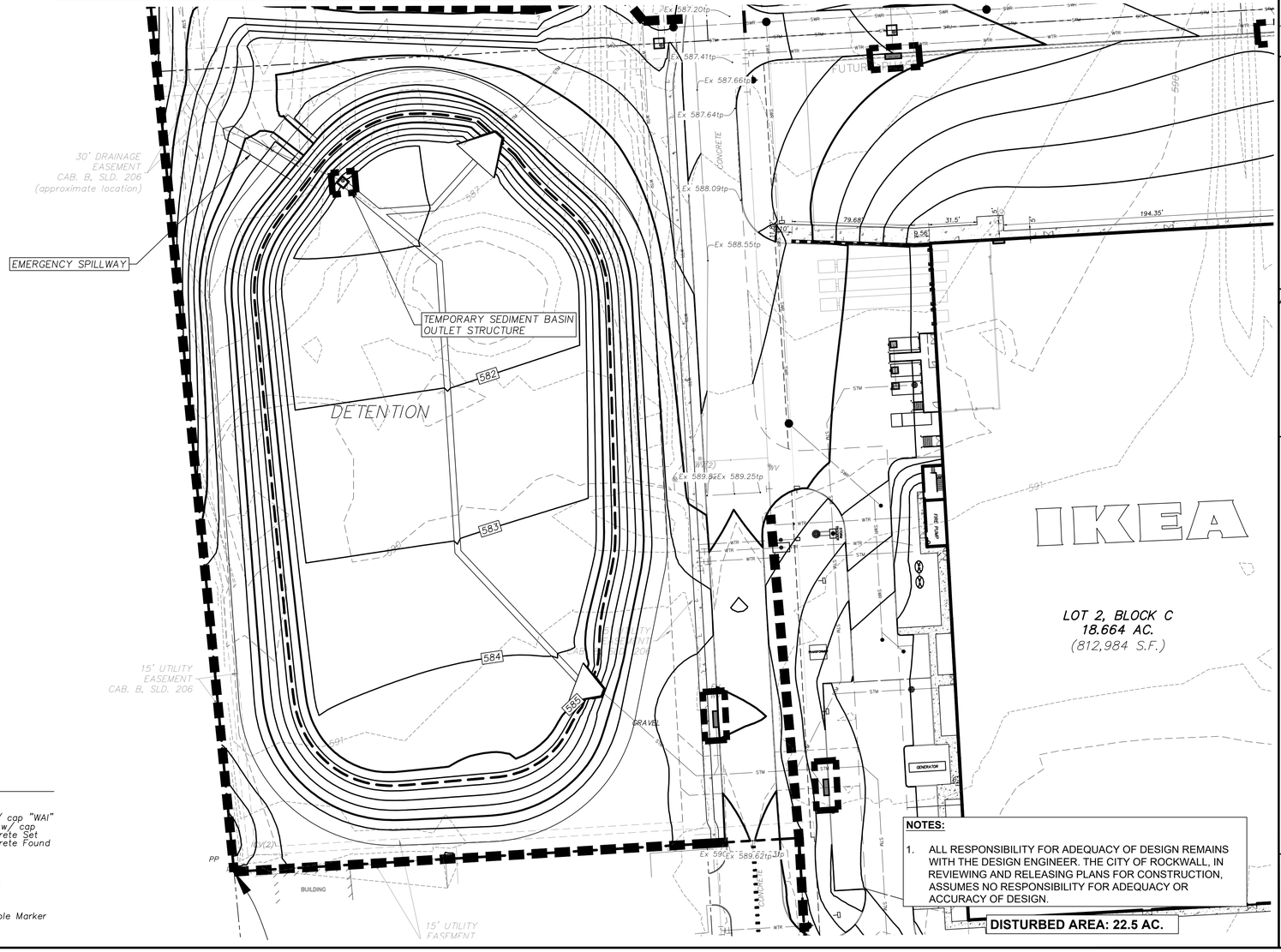
TEMPORARY SEDIMENT BASIN CROSS SECTION A

N.T.S.

AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

WINKELMANN AND ASSOCIATES, INC. — *04-20-2026 DATE*



NOTES:

1. ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

DISTURBED AREA: 22.5 AC.

No.	DATE	REVISION	APPROV.
1.			
2.			
3.			
4.			
5.			

LAST SAVED BY: COLIVOSA Apr 20, 2026

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
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DALLAS, TEXAS 75230 (972) 490-1999
Texas Engineer Registration No. F-00866-00
Texas Surveyor Registration No. 100866-00

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STATE OF TEXAS
WILLIAM R. WINKELMANN
120378
LICENSED
PROFESSIONAL ENGINEER

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

SEDIMENT BASIN PLAN

I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

63406

IKEA @ ROCKWALL HEIGHTS

C-10.01

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