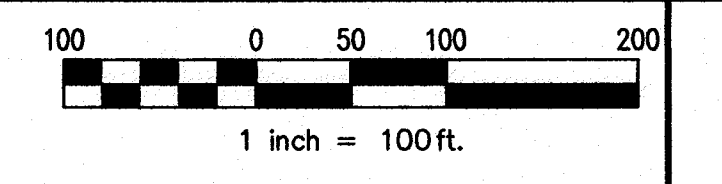


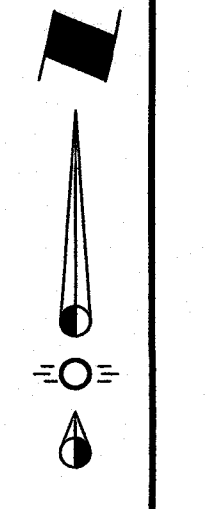
Drainage Area Table

Drainage Basin	Area (Acres)	Runoff Coefficient	Intensity (In./Hr.)	Storm Design Frequency (Yr)	Time Conc. (Min.)	Discharge (C.F.S.)	Inlet	Detention Pond
OS1	85.09	0.50	9.80	100	**10	416.9	Culvert A	N/A
OS2	2.64	0.50	9.80	100	10	12.9	32	1
OS3	3.14	0.50	9.80	100	10	15.4	33	1
OS4	2.29	0.50	9.80	100	10	11.2	41	N/A
OS5	0.12	0.50	9.80	100	10	0.6	6	2
OS6	0.28	0.50	9.80	100	10	1.4	Ex. Inlet	2
OS7	0.32	0.50	9.80	100	10	1.6	Ex. Inlet	2
OS8	0.74	0.50	9.80	100	10	3.6	40	2
OS9	0.29	0.50	9.80	100	10	1.4	Fut. Inlet	N/A
OS10	0.50	0.50	9.80	100	10	2.4	43	N/A
OS11	1.04	0.50	9.80	100	10	5.1	42	1



Drainage Area Table

Drainage Basin	Area (Acres)	Runoff Coefficient	Intensity (In./Hr.)	Storm Design Frequency (Yr)	Time Conc. (Min.)	Discharge (C.F.S.)	Inlet Number	Detention Pond
A1	1.08	0.50	9.80	100	10	5.3	4	2
A2	1.03	0.50	9.80	100	10	5.1	2	2
A3	0.06	0.50	9.80	100	10	0.3	2	2
A4	0.64	0.50	9.80	100	10	3.1	3	2
A5	0.28	0.50	9.80	100	10	1.3	1	2
A6	0.48	0.50	9.80	100	10	2.4	1	2
B1	0.94	0.50	9.80	100	10	4.6	5	2
B2	0.99	0.50	9.80	100	10	4.8	6	2
B3	1.01	0.50	9.80	100	10	4.9	7	2
B4	0.87	0.50	9.80	100	10	4.3	8	2
B5	0.43	0.50	9.80	100	10	2.1	9	2
B6	1.15	0.50	9.80	100	10	5.6	10	2
* BY1	0.10	0.50	9.80	100	10	0.5	N/A	N/A
* BY2	1.48	0.50	9.80	100	10	7.2	N/A	N/A
* BY3	0.16	0.50	9.80	100	10	0.8	N/A	N/A
* BY4	0.10	0.50	9.80	100	10	0.5	N/A	N/A
* BY5	0.12	0.50	9.80	100	10	0.6	N/A	N/A
* BY6	0.30	0.50	9.80	100	10	1.5	N/A	N/A
* BY7	0.38	0.50	9.80	100	10	1.9	N/A	N/A
C1	1.24	0.50	9.80	100	10	6.1	11	2
D1	2.05	0.50	9.80	100	10	10.1	12	2
E1	0.93	0.50	9.80	100	10	4.6	13	2
E2	0.97	0.50	9.80	100	10	4.8	14	2
E3	0.97	0.50	9.80	100	10	4.8	15	2
E4	0.98	0.50	9.80	100	10	4.8	16	2
E5	1.04	0.50	9.80	100	10	5.1	17	2
E6	1.04	0.50	9.80	100	10	5.1	18	2
F1	1.38	0.50	9.80	100	10	6.8	19	2
F2	0.44	0.50	9.80	100	10	2.1	20	2
G1	1.01	0.50	9.80	100	10	4.9	21	2
G2	1.15	0.50	9.80	100	10	5.6	22	2
G3	1.18	0.50	9.80	100	10	5.8	23	2
G4	1.13	0.50	9.80	100	10	5.5	24	2
G5	0.75	0.50	9.80	100	10	3.7	25	2
G6	1.04	0.50	9.80	100	10	5.1	26	2
H1	1.45	0.50	9.80	100	10	7.1	27	2
J1	1.04	0.50	9.80	100	10	5.1	28	2
J2	1.04	0.50	9.80	100	10	5.1	29	2
J3	1.06	0.50	9.80	100	10	5.2	30	2
J4	1.06	0.50	9.80	100	10	5.2	31	2
K1	0.22	0.50	9.80	100	10	1.1	32	1
K2	0.90	0.50	9.80	100	10	4.4	35	1
K3	1.84	0.50	9.80	100	10	9.0	34	1
K4	0.17	0.50	9.80	100	10	0.9	36	1
K5	0.82	0.50	9.80	100	10	4.0	36	1
K6	0.09	0.50	9.80	100	10	0.5	35	1
* K7	0.28	0.50	9.80	100	10	1.4	42	1
L1	1.11	0.50	9.80	100	10	5.5	37	N/A
M1	4.58	0.35	8.30	100	20	13.3	N/A	N/A
* M2	1.06	0.50	9.80	100	10	5.2	38	N/A
M3	1.39	0.50	9.80	100	10	6.8	39	N/A
N1	1.04	0.50	9.80	100	10	5.1	N/A	N/A
P1	1.13	0.50	9.80	100	10	5.5	N/A	1
* P2	1.05	0.50	9.80	100	10	5.1	N/A	2



* Denotes Areas Of Bypass

** Reference Drainage Study Prepared by Cardinal Strategies For Exact Tc

Legend

- $\frac{A}{10.69}$ = Area
- $\frac{Q}{100}$ = Q_{100}
- = Drainage Area Divide
- ~ ~ ~ = Existing Contours
- — — = Proposed Contours
- = Direction Of Flow
- (N) = Inlet Number

Subdivision

C = 0.50 I₁₀₀ = 9.80 T_c = 10 min.

CAUTION !!!
EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

AS-BUILT DRAWINGS

THIS DRAWING HAS BEEN REVISED TO CONFORM TO THE CONSTRUCTION RECORDS PROVIDED BY THE CONTRACTOR. ALIGNMENT AND GRADES SHOWN ON THIS DRAWING WERE NOT FIELD VERIFIED BY THE ENGINEER.

Greg T. Heisel, P.E.
DATE 11/29/16

BM1 Being an "X" found in concrete at the intersection of the north line of Arcadia Way with the west line of Highland Drive and being the southeast corner of Lot 24, Block Q of the Preserve Phase III. Elevation = 565.30

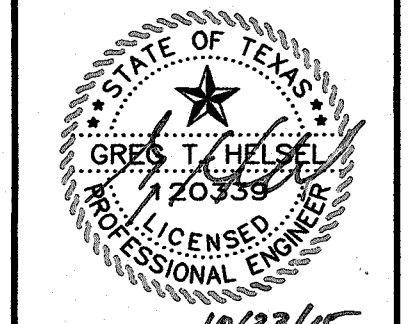
BM2 Being an "X" found in concrete at the intersection of the north line of East Fork Road with the west line of Calistoga Drive and being the southeast corner of Lot 16, Block X of Lakeview Summit, Phase One. Elevation = 500.49

Drawing: 15/2015-085/13-141 The Preserve Phase III-11-16-2015 Drawn By: GD Date: 11/29/16
 Printed by: Revit MEP File Date: 10/27/2016, 1:38 PM
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 10/23/15

piars

ENGINEERING

745 Custer Road, Suite 100 • Plano, TX 75075 • (972) 422-0077 • TPBE No. F-2121



THE PRESERVE PHASE 1
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS
DRAINAGE AREA MAP

Issue Dates:
06-30-2015

Date	Revisions

Scale: 1"=100'

Drawn By: GD

Checked By: GTH

Sheet 27

of 62

SEI No. 13-141