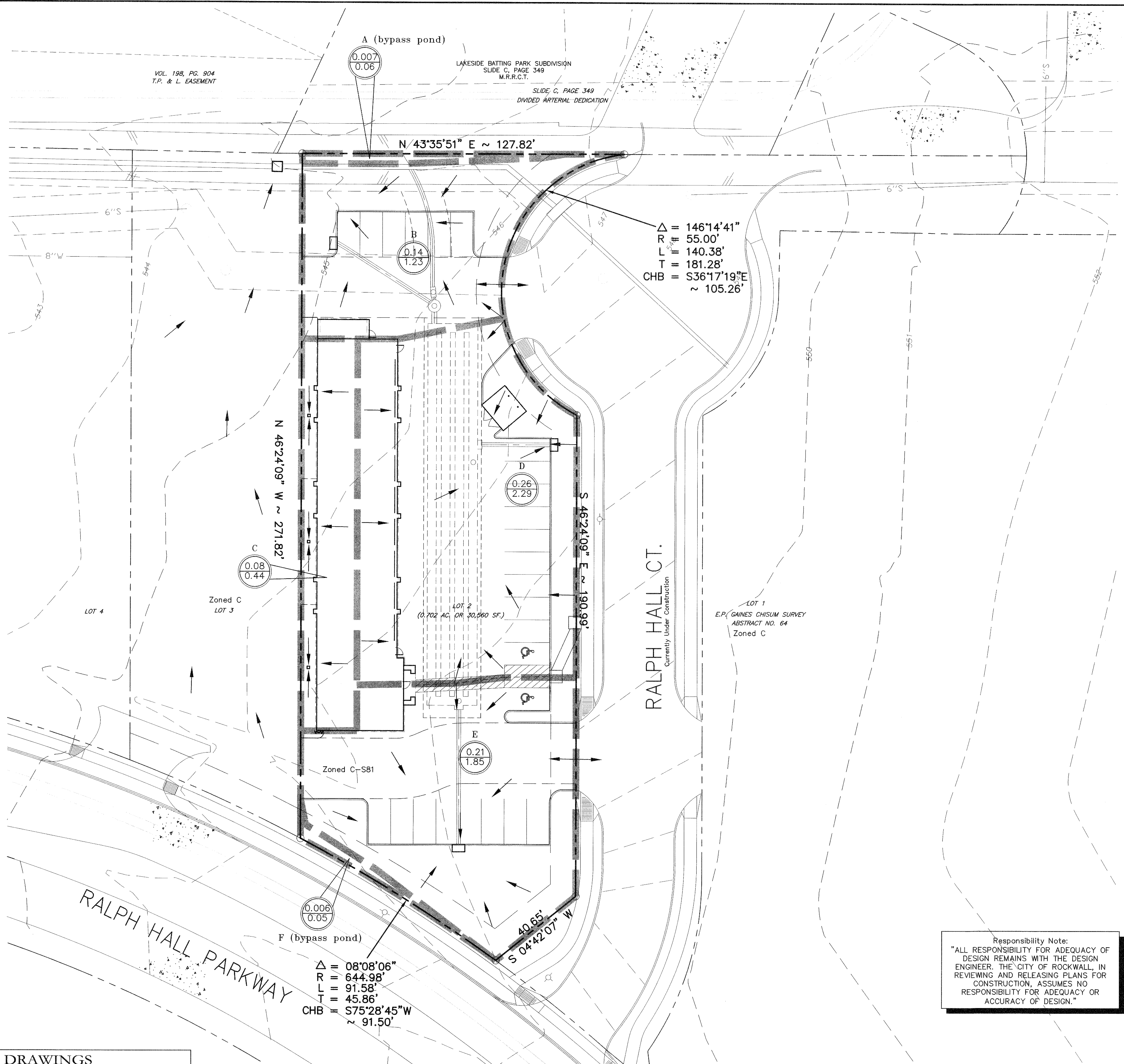
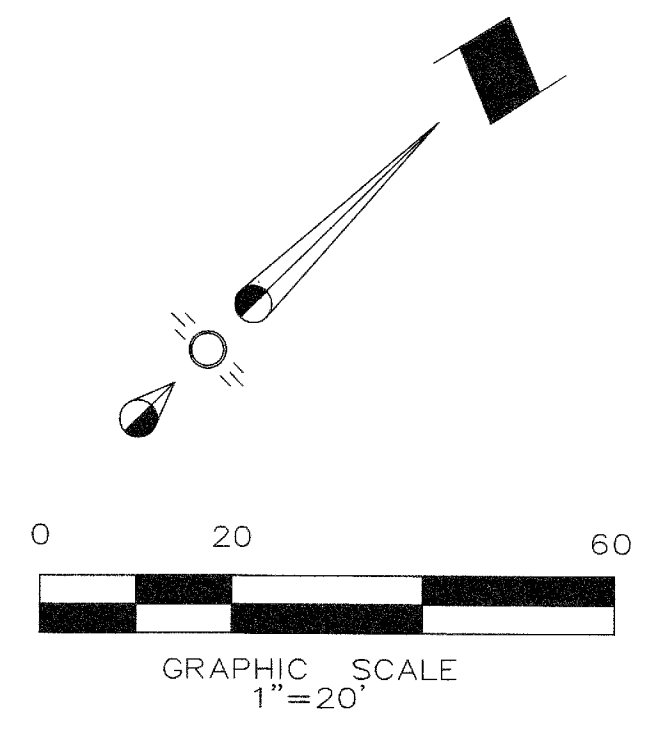


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T.P. & L. EASEMENT

LAKESIDE BATING PARK SUBDIVISION
SLIDE C, PAGE 349
M.R.R.C.T.
SLIDE C, PAGE 349
DIVIDED ARTERIAL DEDICATION



$\Delta = 146'14'41''$
 $R = 55.00'$
 $L = 140.38'$
 $T = 181.28'$
 $CHB = S36'17'19''E$
 $\sim 105.26'$

$N 46'24'09'' W \sim 271.82'$

$S 46'24'09'' E \sim 190.99'$

$\Delta = 08'08'06''$
 $R = 644.98'$
 $L = 91.58'$
 $T = 45.86'$
 $CHB = S75'28'45''W$
 $\sim 91.50'$

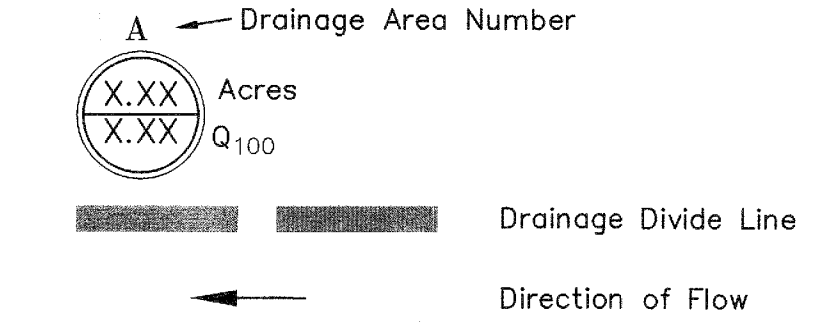
GENERAL/DRAINAGE NOTES

1. All materials and construction shall be in accordance with the City of Rockwall Standard Specifications and Construction Standards, and Standard Specifications for Public Works Construction prepared by North Central Texas Council of Governments (3rd Edition).
2. Existing utilities are shown schematically and are for the contractors guidance only. The location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies, and, where possible, measurements taken in the field. The contractor must call the appropriate utility company at least 48 hours prior to any excavation to request exact field location of utilities.
3. The contractor shall be responsible for protecting all existing improvements in the construction of this project. The contractor is responsible for repairs of damage to any existing improvements during construction. Repairs shall be equal to or better than condition prior to construction.
4. All storm sewer pipe 18" and larger shall be Class III RCP. All storm sewer pipe 15" and smaller shall be PVC drainage pipe or approved equal.
5. Contractor shall be responsible for maintaining trench safety requirements in accordance with the latest standards of O.S.H.A. or any other agency having jurisdiction for excavation and trenching procedures. Contractor shall provide and implement a trench safety plan complying with O.S.H.A.
6. All RCP pipe joints shall have Ram-Neck joint sealer, in the absence of a City Standard for joint sealant.
7. All roof drain laterals shall be 0.50% min. slope.

FULLY DEVELOPED DRAINAGE AREA CALCULATIONS

Drainage Area No.	Drainage Area (Acres)	C	t _c (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	REMARKS
A	0.007	0.90	10	9.8	0.06	Sheet Flow (bypass detention)
B	0.14	0.90	10	9.8	1.23	5' Curb Inlet
C	0.08	0.90	10	9.8	0.71	Roof & Grate Drains to Detention
D	0.26	0.90	10	9.8	2.29	5' Curb Inlet
E	0.21	0.90	10	9.8	1.85	5' Curb Inlet
F	0.006	0.90	10	9.8	0.05	Sheet Flow (bypass detention)

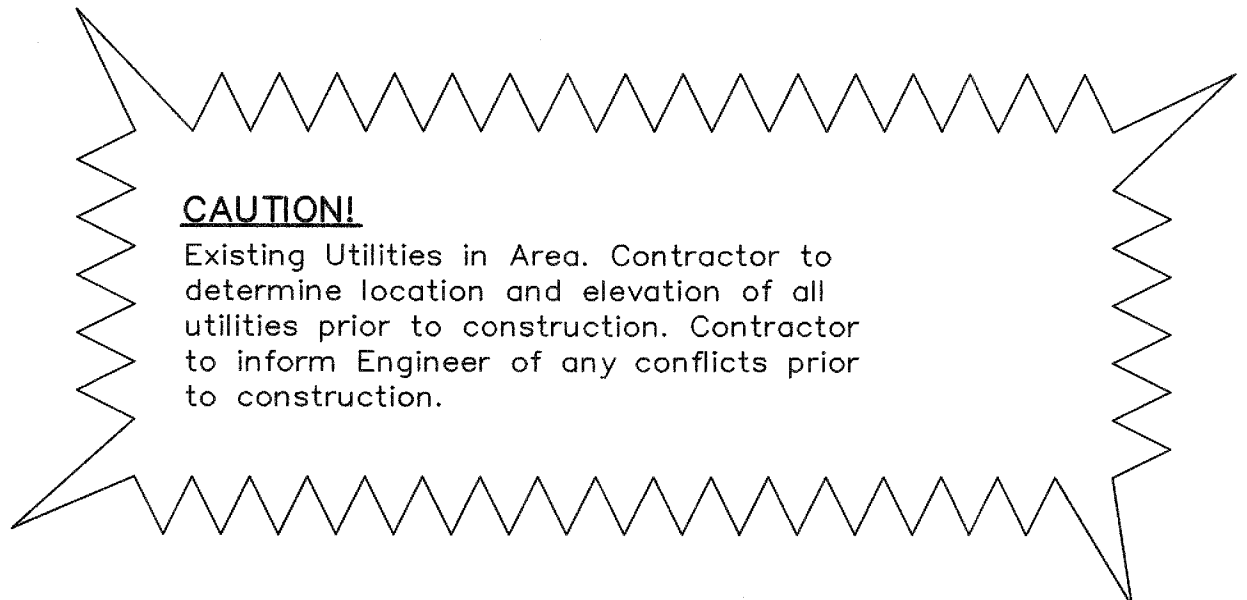
DRAINAGE LEGEND



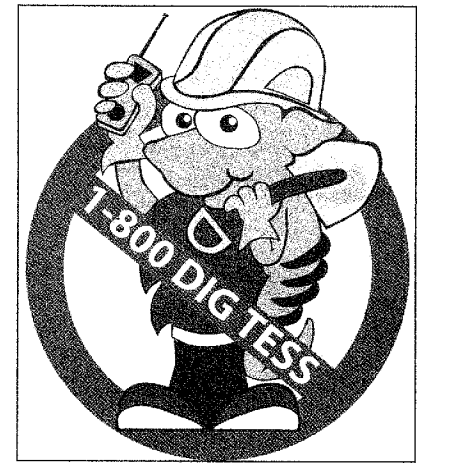
DRAINAGE CRITERIA

Q = C I A
C = 0.90
I₁₀₀ = 9.8
t_c = 10 min.

Responsibility Note:
"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."



STOP!
CALL BEFORE YOU DIG



(@ least 72 hours prior to digging)

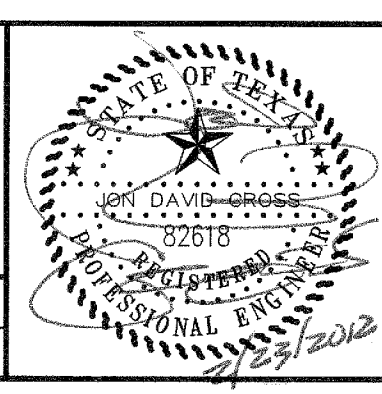
AS-BUILT DRAWINGS
To the best of our knowledge, Cross Engineering Consultants, Inc., hereby states that this plan is As-Built. The information provided is based on surveying at the site and information provided by the contractor.
JON DAVID CROSS, P.E.
2/24/2012
DATE

BENCHMARK:
BM#1
TOP NORTHEAST CORNER OF CONCRETE WYE INLET LOCATED IN SOUTHWEST CORNER OF HOME DEPOT.
ELEV. = 540.69

Issue Dates:	Revisions:	Date:
1 4/22/11	1 Water	6/14/11
2	2 Grd & SW	8/31/11
3	3	
4	4	
5	5	
6	6	

CROSS ENGINEERING CONSULTANTS
106 W. Louisiana Street • McKinney, Texas 75069
972.562.4409 • Texas P.E. Firm No. F-5935

Drawn By: C.E.C.L. Checked By: J.D.C. Scale: 1" = 20'



DRAINAGE AREA MAP
CHRISTIAN BROTHERS - ROCKWALL
Rockwall Market Center South Addition
CITY OF ROCKWALL, TEXAS

Sheet No.
C3
of 8
Project No.
11014

DRAINAGE AREA MAP

CHRISTIAN BROTHERS AUTOMOTIVE