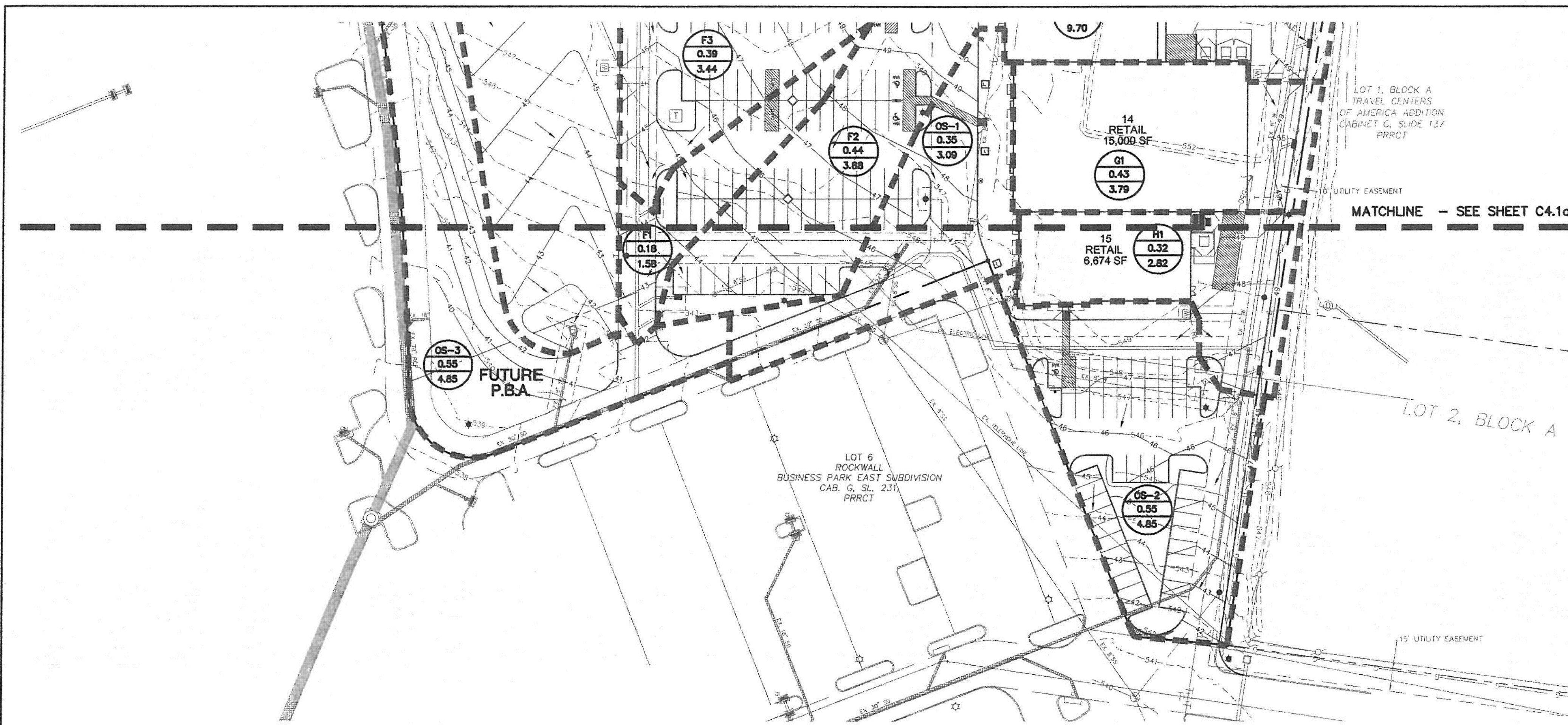
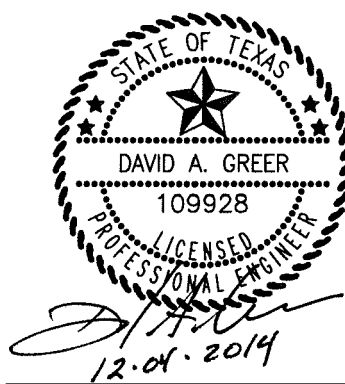


NOTE: INFORMATION ON THIS SHEET AND OTHER SHEETS THROUGHOUT THIS PLAN SET IS PART OF A UNIFIED DESIGN. THE CONTRACTOR SHALL NOT SEPARATE DRAWINGS FROM THE SET FOR DISTRIBUTION TO SPECIFIC DISCIPLINES. EACH SUBCONTRACTOR SHALL BE PROVIDED WITH ALL SHEETS WITHIN THIS PLAN SET.



**LEGEND**

- DRAINAGE AREA DESIGNATION
- DRAINAGE AREA (ACRES)
- DRAINAGE AREA BOUNDARY
- DIRECTION OF FLOW

**DRAINAGE AREA CALCULATIONS**

DRAINAGE AREA	AREA (ACRES)	Tc (MIN)	C (ULT.)	I100 (IN/HR)	Q100 (CFS)
A1	0.29	10	0.90	9.80	2.56
A2	0.04	10	0.90	9.80	0.35
A3	0.14	10	0.90	9.80	1.23
B1	0.32	10	0.90	9.80	2.82
C1	0.05	10	0.90	9.80	0.44
C2	0.09	10	0.90	9.80	0.79
D1	0.99	10	0.90	9.80	8.73
D2	0.13	10	0.90	9.80	1.15
D3	0.22	10	0.90	9.80	1.94
D4	0.25	10	0.90	9.80	2.21
E1	0.21	10	0.90	9.80	1.85
E2	0.07	10	0.90	9.80	0.62
E3	0.30	10	0.90	9.80	2.65
E4	0.06	10	0.90	9.80	0.53
E5	0.06	10	0.90	9.80	0.53
E6	0.03	10	0.90	9.80	0.28
F1	0.18	10	0.90	9.80	1.58
F2	0.44	10	0.90	9.80	3.88
F3	0.39	10	0.90	9.80	3.44
F4	1.70	10	0.90	9.80	14.99
F5	0.25	10	0.90	9.80	2.21
G1	0.43	10	0.90	9.80	3.79
G2	1.10	10	0.90	9.80	9.70
G3	0.35	10	0.90	9.80	3.09
G4	0.05	10	0.90	9.80	0.44
G5	0.53	10	0.90	9.80	4.67
G6	0.41	10	0.90	9.80	3.62
H1	0.32	10	0.90	9.80	2.82
H2	0.89	10	0.90	9.80	7.85
H3	0.35	10	0.90	9.80	3.09
H4	0.55	10	0.90	9.80	4.85
H5	0.70	10	0.90	9.80	6.17
H6	0.53	10	0.90	9.80	4.67

**CAUTION !!**  
 CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4444) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. BURY & PARTNERS IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

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.

**RECORD DRAWING**  
 TO THE BEST OF OUR KNOWLEDGE, BANNISTER ENGINEERING, LLC, HEREBY STATES THAT THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR. IN THE EVENT THAT THE ORIGINAL DESIGN WAS MODIFIED IN THE FIELD WITHOUT THE ENGINEER'S KNOWLEDGE, THE SEAL OR SIGNATURE ON THIS DRAWING IS NOT INTENDED TO INDICATE THE ENGINEER'S APPROVAL OR ACCEPTANCE OF ANY SUCH DEVIATIONS FROM THE DESIGN.  
 DATE: 09-25-15  
 DAVID A. GREER, P.E. 109928

**RECORD DRAWINGS:**  
 THE INTENT OF THE OWNER AND ENGINEER WAS TO CONSTRUCT THE FACILITIES ACCORDING TO THESE PLANS AS APPROVED BY THE CITY OR GOVERNING AUTHORITY. TO THE BEST OF THE ENGINEERS KNOWLEDGE THE PLANS REFLECT REVISIONS MADE DURING CONSTRUCTION BASED ON A VISUAL SITE OBSERVATION BY THE ENGINEER AND INFORMATION PROVIDED BY:  
 W.B. KIBLER CONSTRUCTION CO, LTD  
 9722 ABERNATHY  
 DALLAS, TEXAS 75220  
 CONTACT: PHIL GULSWIG

**CITY OF ROCKWALL CONTROL MONUMENT RESET #1 = 557.70'**  
 CONCRETE MONUMENT WITH BRASS CAP STAMPED RESET #1, CITY OF ROCKWALL. THE MONUMENT IS LOCATED IN GREEN AREA SEPARATING A BANK AND AN OFFICE BUILDING IN THE SOUTH RIGHT OF WAY LINE OF SUMMER LEE DRIVE, 272'± WEST OF THE CENTERLINE INTERSECTION OF RIDGE ROAD (FM 740) WITH SUMMER LEE DRIVE, AND 120'± SOUTHEAST OF THE CENTERLINE INTERSECTION OF LAGO VISTA AND SUMMER LEE DRIVE.  
**BM #1 = 554.30'**  
 SQUARE CUT ON THE CENTER OF A CURB INLET ON THE SOUTH SIDE OF EASTBOUND SERVICE ROAD FOR INTERSTATE HIGHWAY 30, 925'± SOUTHWEST OF THE INTERSECTION OF INTERSTATE HIGHWAY 30 EASTBOUND SERVICE ROAD WITH THE SOUTHWEST RIGHT OF WAY LINE STATE HIGHWAY 205.  
 REFERENCE TOPOGRAPHIC SURVEY FOR LOT 9, ROCKWALL BUSINESS PARK EAST SUBDIVISION, PROJECT NUMBER TW001, PREPARED BY JBI PARTNERS DATED FEBRUARY 2009.  
**BM #2 = 542.88'**  
 "X" CUT IN CONCRETE OF A PARKING ISLAND 1450'± SOUTHWEST FROM THE CENTERLINE INTERSECTION OF THE EASTBOUND SERVICE ROAD OF INTERSTATE HIGHWAY 30 AND STATE HIGHWAY 205, AND 830'± SOUTHWEST FROM THE SOUTH RIGHT OF WAY OF THE EASTBOUND SERVICE ROAD OF INTERSTATE HIGHWAY 30. THE "X" IS IN THE CENTER OF THE EASTERNMOST PARKING ISLAND OF THE MAIN CONCOURSE OF PARKING ISLANDS, HAVING ARBORS AND 420'± NORTH OF THE MAIN BUILDING WITH STAPLES OFFICE SUPPLY WHICH IS IN BETWEEN THE DOGS SPORTING GOODS AND JC PENNEY.

ARCHITECT:  
**RUNYON Architects AND ASSOCIATES INC.**  
 2508 HIGHLANDER WAY, SUITE 100  
 CARROLLTON, TEXAS 75006  
 972-233-7705  
 WWW.RUNYONARCH.COM

M.E.P. ENGINEER:  
 ROBERT D. ANDERSON, INC.  
 11836 Judd Court, Inc.  
 Dallas, Texas 75243  
 T 972.669.0915 F 972.669.0917

LANDSCAPE ARCHITECT:  
 T.H. PRITCHETT / Associates  
 Landscape Architects  
 1218 Camino Lago  
 Irving, Texas 75039  
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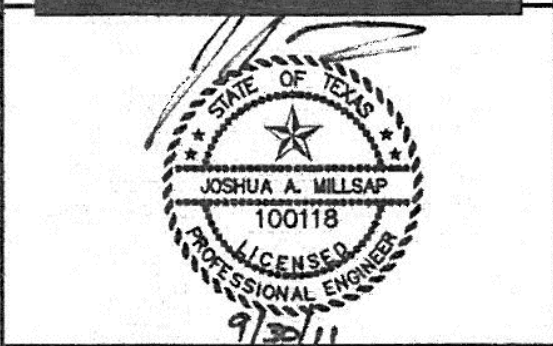
STRUCTURAL ENGINEER:  
 HUNT & JOINER  
 1825 Market Center Blvd.  
 Suite 620  
 Dallas, Texas 75207  
 T 214.760.7000 F 214.760.7050

CIVIL ENGINEER:  
**Bury & Partners**  
 ENGINEERING SOLUTIONS  
 5310 Harvest Hill Road, Suite 100  
 Dallas, Texas 75230  
 Tel. (972)991-0011 Fax (972)991-0278  
 Texas Registration #T-1048

**ROCKWALL PLAZA  
 PHASE II  
 SHELL BUILDINGS 10-15  
 ROCKWALL, TEXAS 75087**

ISSUE	DATE	DESCRIPTION
12	JAM 05/24/11	AS BUILT DRAWINGS
13	JAM 09/29/11	OLIVE GARDEN
14	JAM 09/30/11	AS BUILT DRAWINGS (OLIVE GARDEN DRAINAGE)

RAA Project # : 1010  
 Project Manager : MWL



**C4.1b**  
 DRAINAGE AREA MAP

Date	Issue
9-26-2014	BD/PERMIT
11-07-2014	CITY COMMENTS
12-04-2014	CITY COMMENTS

Drawn By:  
 Project No.: 14389

EXISTING DRAINAGE AREA MAP  
 RETAIL BUILDING  
 PLAZA AT ROCKWALL SHOPPING CENTER  
 INTERSTATE HIGHWAY 30  
 ROCKWALL, TX



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