

P:\201203200 - Rockwall ATM\dwg\plot Sheets\as builts\C1.0 - Grading Plan - ASBUILT.dwg by Kyle McCagg, 6/13/13

EXISTING CONDITION - RATIONAL METHOD DRAINAGE COMPUTATIONS							
DRAINAGE AREA	Q <sub>10</sub>	Q <sub>100</sub>	C	I <sub>10</sub>	I <sub>100</sub>	A	T <sub>c</sub>
A	1.55 cfs	2.11 cfs	0.90	7.20 in/hr	9.80 in/hr	0.239 acre	10 min
B	0.14 cfs	0.19 cfs	0.90	7.20 in/hr	9.80 in/hr	0.022 acre	10 min
C	0.08 cfs	0.11 cfs	0.90	7.20 in/hr	9.80 in/hr	0.013 acre	10 min
TOTAL	1.77 cfs	2.41 cfs					

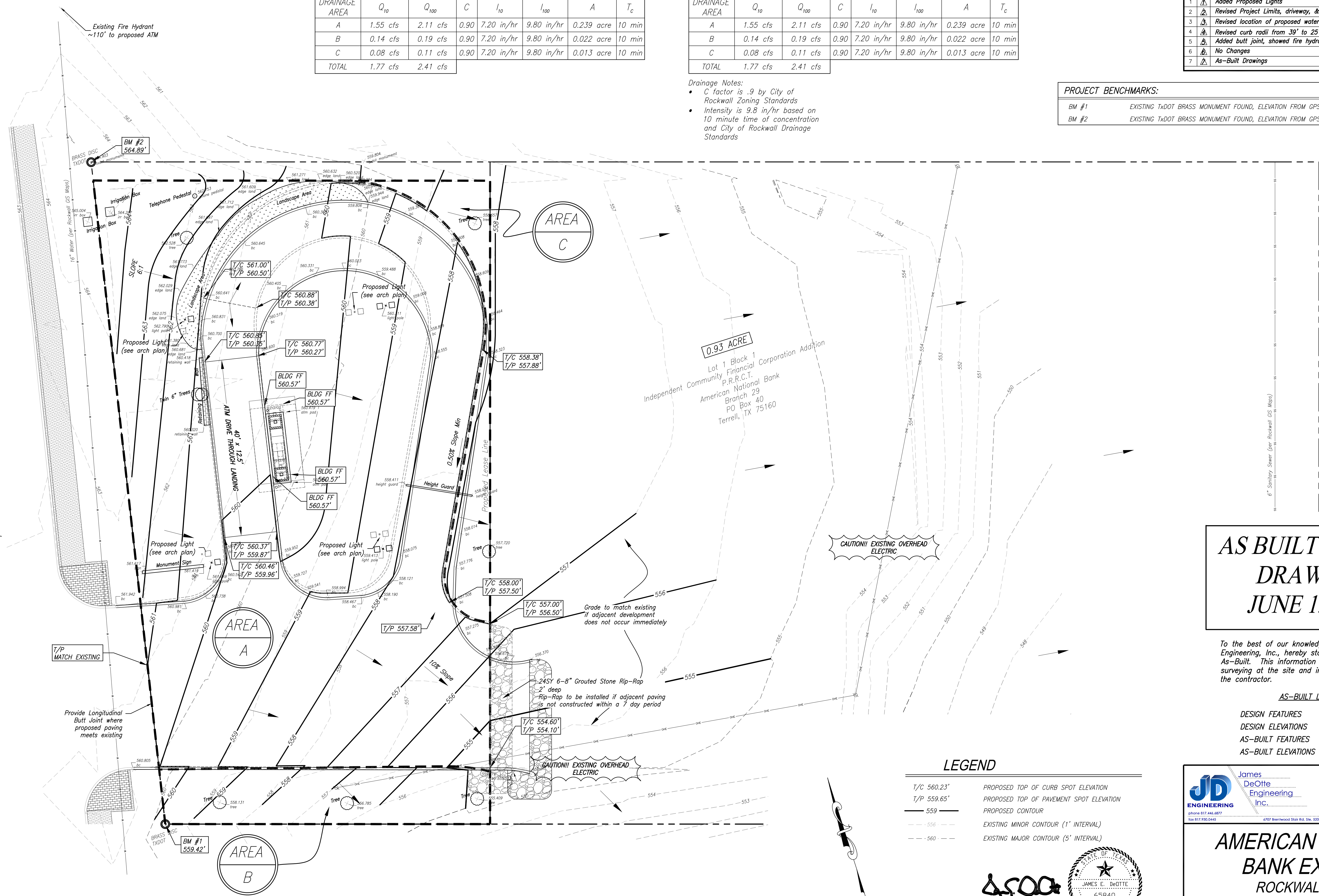
PROPOSED CONDITION - RATIONAL METHOD DRAINAGE COMPUTATIONS							
DRAINAGE AREA	Q <sub>10</sub>	Q <sub>100</sub>	C	I <sub>10</sub>	I <sub>100</sub>	A	T <sub>c</sub>
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TOTAL	1.77 cfs	2.41 cfs					

REVISIONS		
NO.	DESCRIPTION	DATE
1	Added Proposed Lights	8-15-12
2	Revised Project Limits, driveway, & calcs	10-25-12
3	Revised location of proposed water line (by others)	10-31-12
4	Revised curb radii from 39' to 25'	11-1-12
5	Added butt joint, showed fire hydrant, revised C values	11-14-12
6	No Changes	11-20-12
7	As-Built Drawings	6-13-13

Drainage Notes:  
 • C factor is .9 by City of Rockwall Zoning Standards  
 • Intensity is 9.8 in/hr based on 10 minute time of concentration and City of Rockwall Drainage Standards

PROJECT BENCHMARKS:	
BM #1	EXISTING TxDOT BRASS MONUMENT FOUND, ELEVATION FROM GPS (WDS NETWORK NAD-83)
BM #2	EXISTING TxDOT BRASS MONUMENT FOUND, ELEVATION FROM GPS (WDS NETWORK NAD-83)

RIDGE ROAD  
FM 740

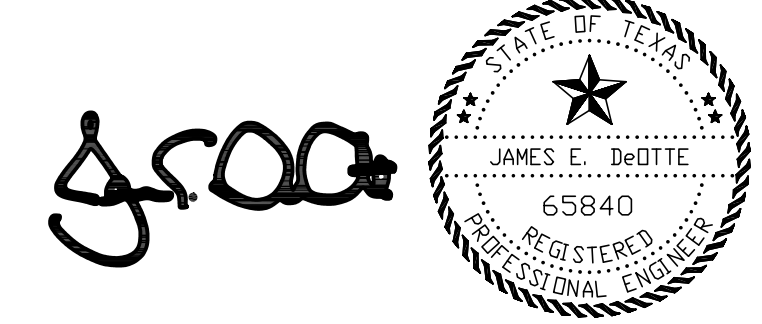


**AS BUILT RECORD  
DRAWINGS  
JUNE 13, 2013**

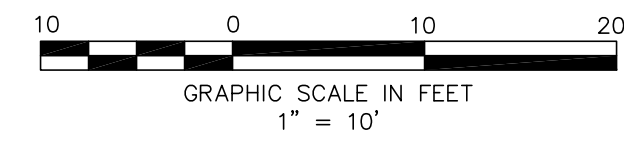
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**AS-BUILT LEGEND**  
 DESIGN FEATURES  
 DESIGN ELEVATIONS  
 AS-BUILT FEATURES  
 AS-BUILT ELEVATIONS

**LEGEND**  
 T/C 560.23'  
 T/P 559.65'  
 559  
 556  
 560



James DeOtte Engineering, Inc.  
 Registration #8917  
 November 20, 2012



**JD ENGINEERING**  
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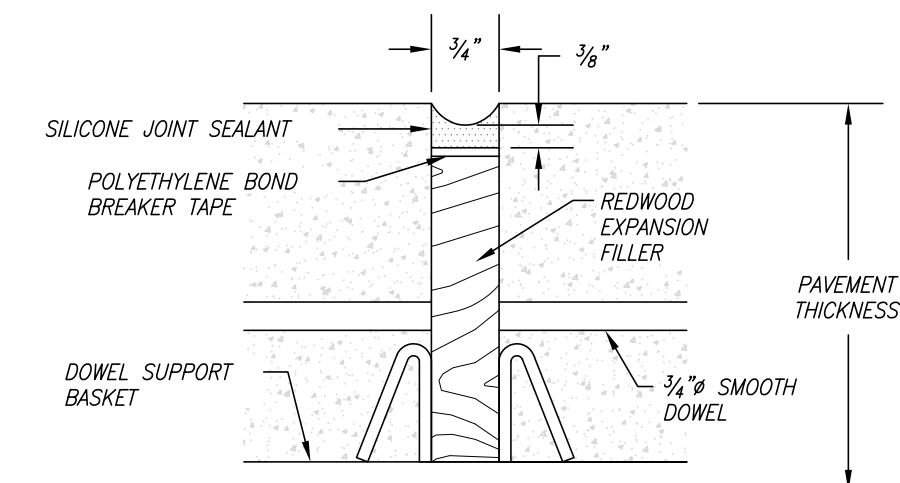
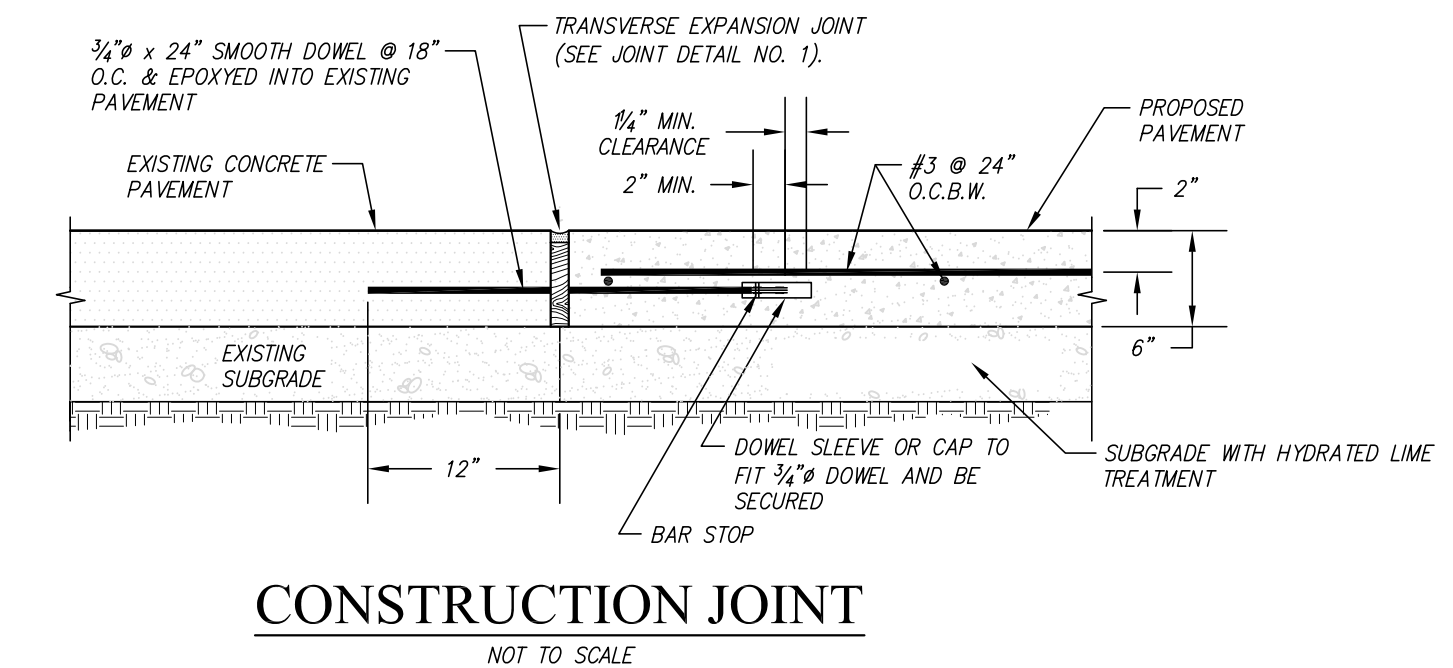
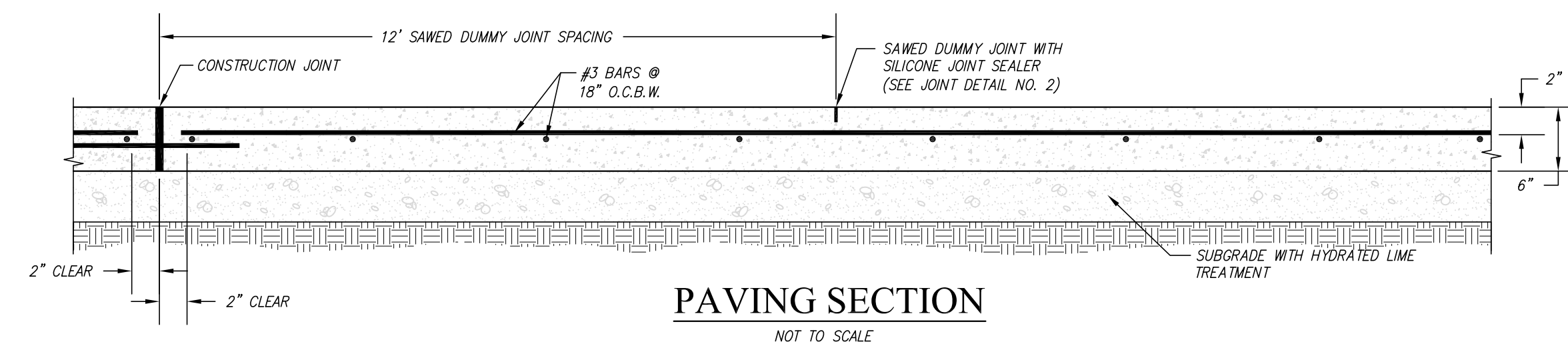
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ROCKWALL, TEXAS**

**DRAINAGE AREA MAP & GRADING PLAN**

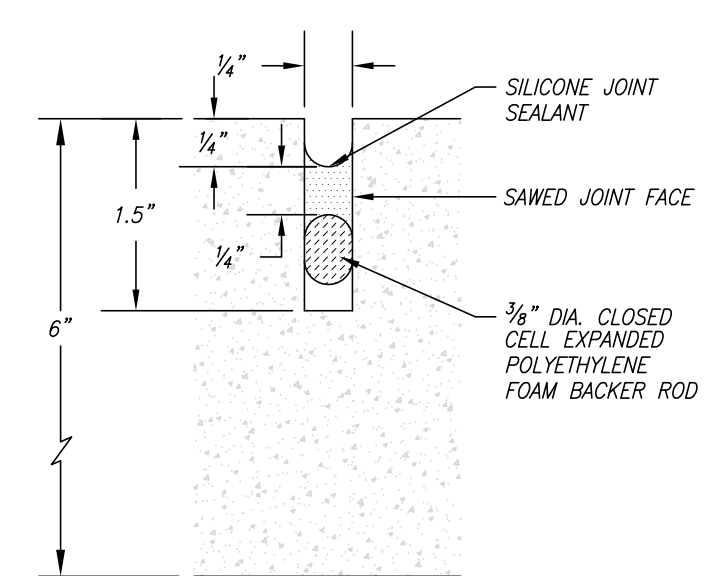
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REVISIONS		
NO.	DESCRIPTION	DATE
1	No Changes	8-15-12
2	Removed flume detail, added rip-rap detail	10-25-12
3	No Changes	10-31-12
4	No Changes	11-1-12
5	Revised Pavement Recommendation Notes	11-14-12
6	Added note about sheepfoot roller compaction on fill	11-20-12
7	As-Built Drawings	6-13-13



JOINT DETAIL NO. 1  
NOT TO SCALE



JOINT DETAIL NO. 2  
NOT TO SCALE

**PAVEMENT RECOMMENDATION NOTES:**

SUBGRADE PREPARATION

1. THE SUBGRADE SHALL BE PROOFROLLED WITH HEAVY PNEUMATIC EQUIPMENT, PER TxDOT STANDARD SPECIFICATIONS, BEFORE THE ADDITION OF LIME
2. THE SUBGRADE SHALL BE SCARIFIED A MINIMUM DEPTH OF 6"
3. THE SUBGRADE SHALL BE UNIFORMLY COMPACTED TO A MINIMUM 96% MODIFIED PROCTOR DENSITY BETWEEN MINUS 2 AND PLUS 2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT
4. 6 PERCENT HYDRATED LIME BY DRY UNIT WEIGHT OF SOIL SHALL BE USED TO STABILIZE THE CLAY SUBGRADE

PORTLAND CEMENT CONCRETE

1. TYPE III CEMENT SHALL BE USED IN DESIGN WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3600 PSI (MIN 6.5 SACK/CUYD)
2. BATCH DESIGN MUST BE APPROVED BY ROCKWALL ENGINEERING DEPARTMENT 10 DAYS PRIOR TO PAVING

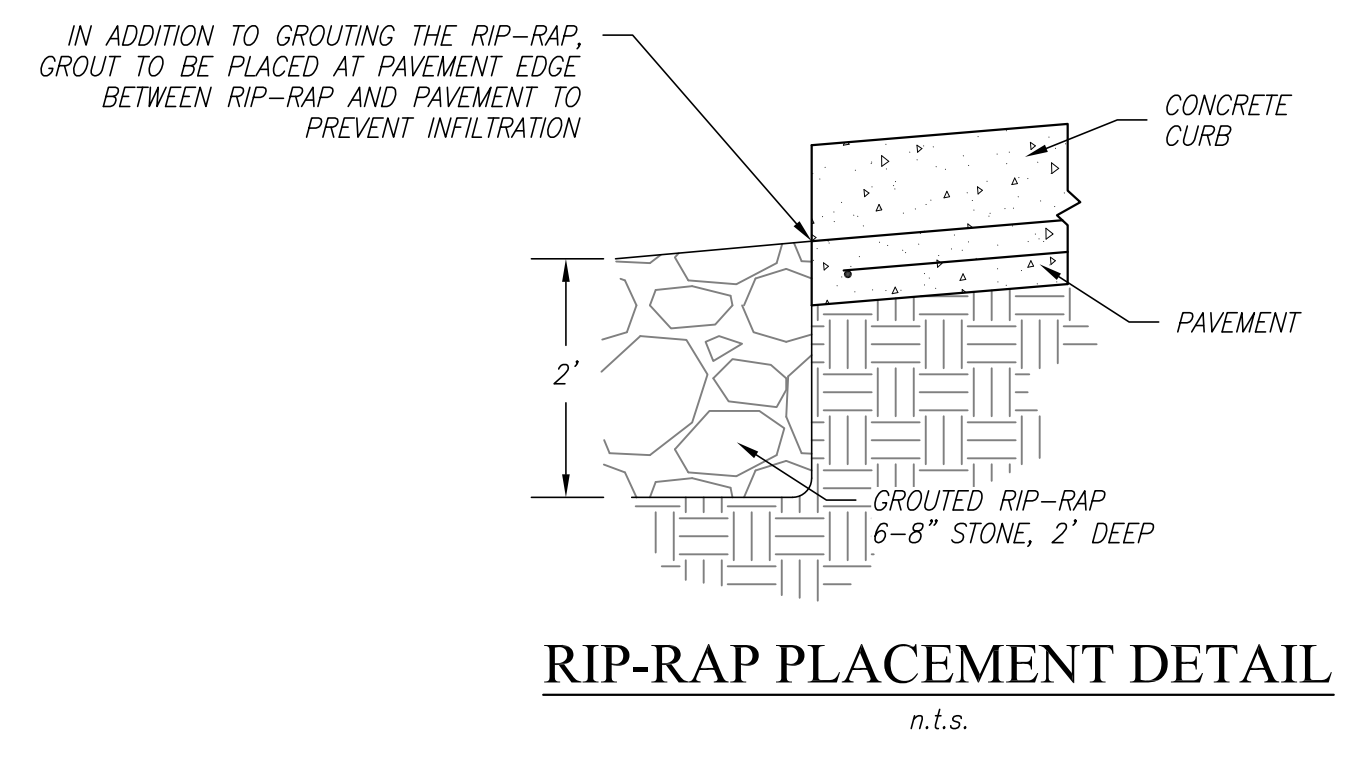
PAVEMENT JOINTING

1. SAW CUT DUMMY JOINTS SHALL BE ON 12' CENTERS
2. COLD JOINTS ARE NOT TO BE USED. IF PAVEMENT POURING IS NOT CONTINUOUS, A CONSTRUCTION JOINT IS TO BE USED
3. ROCKWALL ENGINEERING INSPECTOR TO INSPECT STEEL PLACEMENT PRIOR TO POURING CONCRETE

GENERAL NOTES:

FILL

1. SHEEPSFOOT ROLLER/COMPACTOR REQUIRED ON ALL FILL



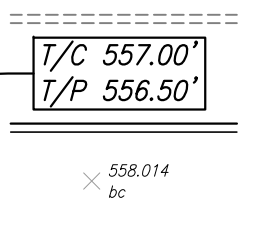
RIP-RAP PLACEMENT DETAIL  
n.t.s.

**AS BUILT RECORD  
DRAWINGS  
JUNE 13, 2013**

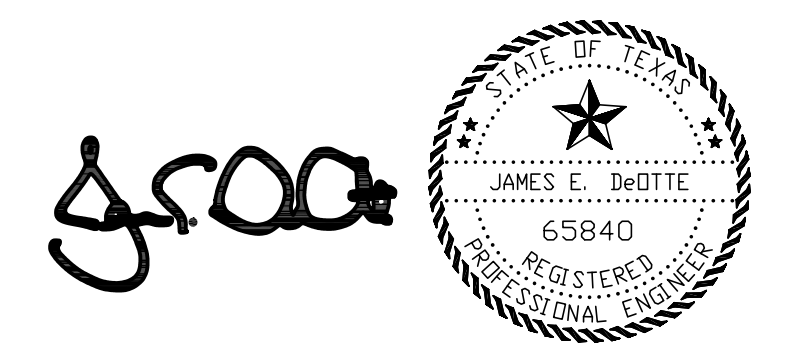
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AS-BUILT LEGEND

- DESIGN FEATURES
- DESIGN ELEVATIONS
- AS-BUILT FEATURES
- AS-BUILT ELEVATIONS



**JD ENGINEERING**  
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November 20, 2012

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ROCKWALL, TEXAS**

**PAVING SECTION AND DETAILS**

DESIGNED: KMM	SCALE: AS NOTED	DATE: NOVEMBER 2012	<b>C - 2</b>
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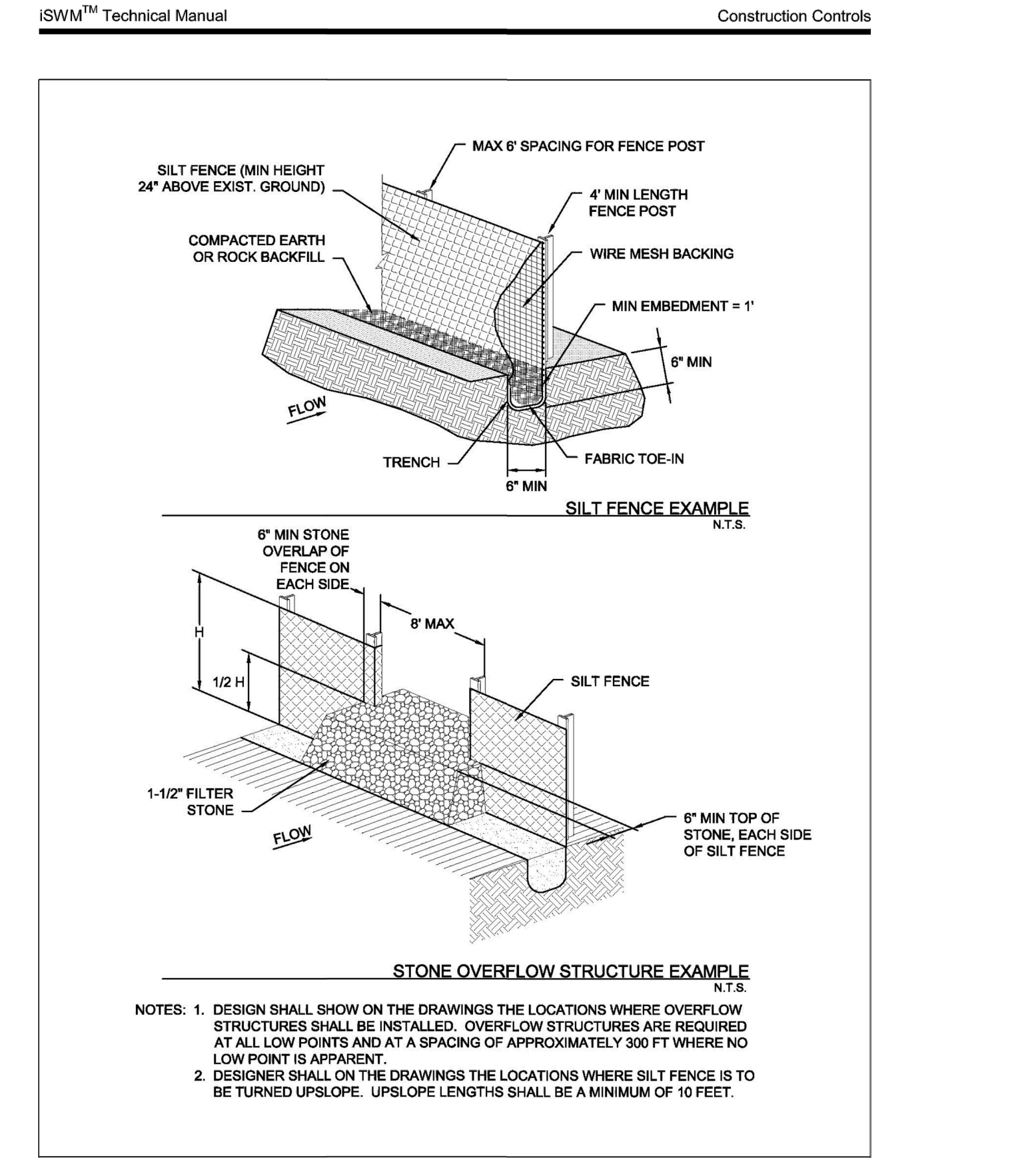
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**EROSION CONTROL PLAN NOTES**

DISTURBED SITE ACREAGE 0.25 ACRE

DETAILS FOR SILT FENCE AND STONE OVERFLOW STRUCTURE SHALL COME FROM NCTCOG STANDARD CONSTRUCTION BMP'S 2010

REVISIONS		
NO.	DESCRIPTION	DATE
1	Added Proposed Lights	8-15-12
2	Revised Project Limits, driveway, & silt fence location	10-25-12
3	Revised location of proposed water line (by others)	10-31-12
4	Revised curb radii from 39' to 25'	11-1-12
5	Added Construction Ent/Exit, added silt fence detail	11-14-12
6	No Changes	11-20-12
7	As-Built Drawings	6-13-13



Silt Fence Revised 04/10 CC-147

**AS BUILT RECORD DRAWINGS**  
**JUNE 13, 2013**

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**AS-BUILT LEGEND**

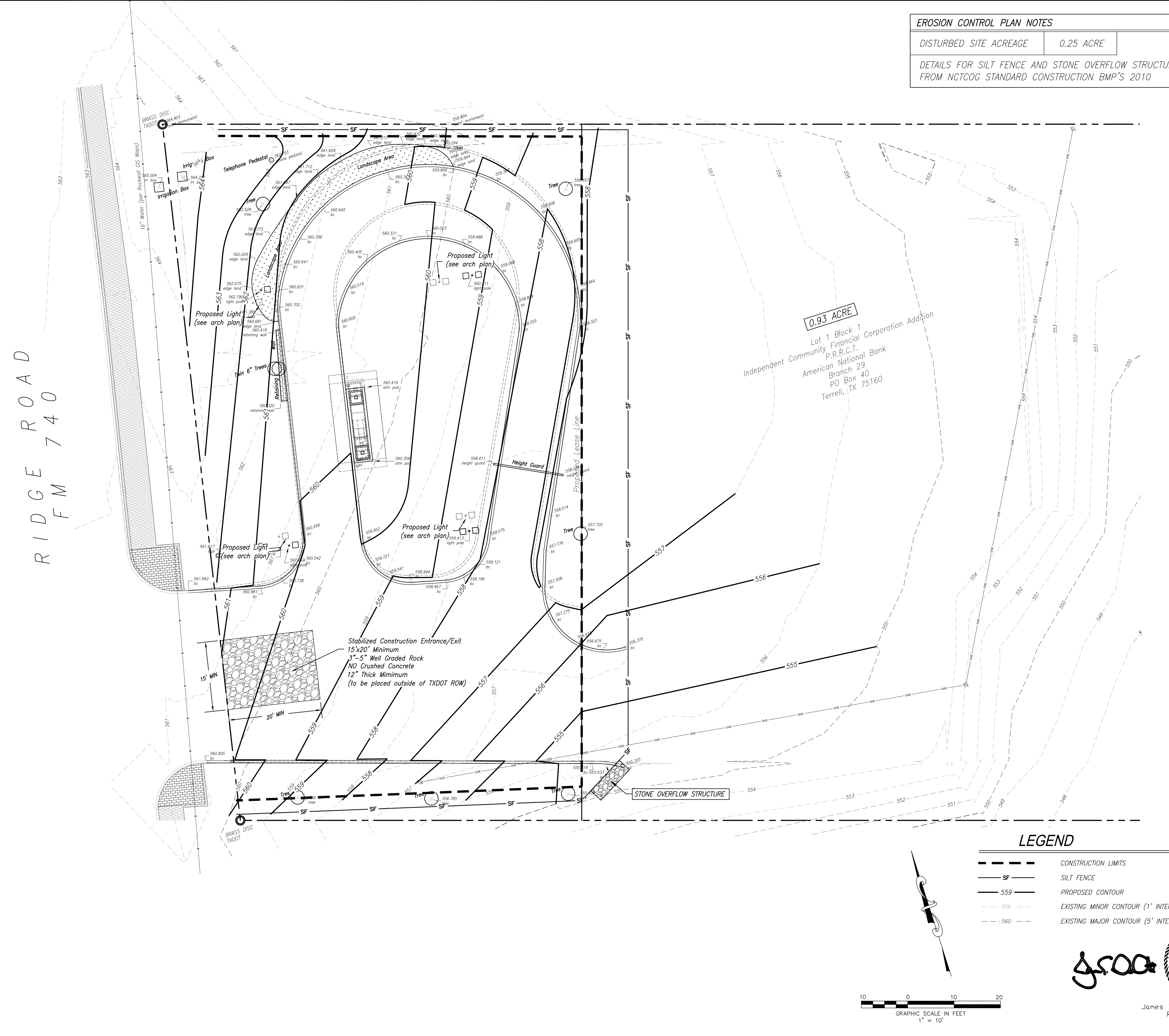
DESIGN FEATURES  
 DESIGN ELEVATIONS  
 AS-BUILT FEATURES  
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**EROSION CONTROL PLAN**

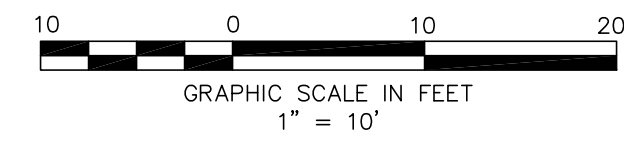
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0.93 ACRE  
 Lot 1 Block 1  
 Independent Community Financial Corporation Addition  
 P.R.R.C.T.  
 American National Bank  
 Branch 29  
 PO Box 40  
 Terrell, TX 75160

**LEGEND**

--- SF ---	CONSTRUCTION LIMITS
---	SILT FENCE
---	PROPOSED CONTOUR
---	EXISTING MINOR CONTOUR (1' INTERVAL)
---	EXISTING MAJOR CONTOUR (5' INTERVAL)



**groc**

STATE OF TEXAS  
 JAMES E. DOTTE  
 65840  
 REGISTERED PROFESSIONAL ENGINEER

James DeOtte Engineering, Inc.  
 Registration #8917  
 November 20, 2012

P:\201203200 - Rockwall ATM\dwg\plot Sheets\as Builts\C3.0 - Erosion Control Plan - ASBUILT.dwg by Kyle McCage, 6/13/13

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