

GENERAL NOTES:

- A. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
B. CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. REF. SITE WORK SPECIFICATIONS.
C. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
D. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
E. ALL CONSTRUCTION IN TxDOT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT. PERMITS WILL BE REQUIRED. "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES" ADOPTED BY TEXAS DEPARTMENT OF TRANSPORTATION, JUNE 1, 2004, AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT.
F. ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.
G. THE CITY OF ROCKWALL, TEXAS "STANDARDS OF DESIGN AND CONSTRUCTION" AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS "PUBLIC WORKS CONSTRUCTION STANDARDS 3RD EDITION" SHALL APPLY TO CONSTRUCTION OF PUBLIC IMPROVEMENTS.
H. DETENTION SYSTEM MUST BE INSTALLED AND FUNCTIONING PER DESIGN PRIOR TO ANY PAVING INCLUDING SLAB WORK.
I. FIRE LANE SHALL BE MARKED IN ACCORDANCE WITH 2009 IFC AS ADOPTED BY THE CITY OF ROCKWALL.

WETLANDS NOTICE:

ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/ DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.

WARRANTY/DISCLAIMER:

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A TEMPORARY BASIS AT THE SITE.

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S CONSTRUCTION DEPARTMENT AT 918-615-7906. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR. THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

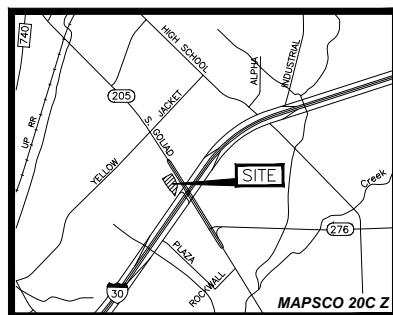
FLOOD CERTIFICATION:

THIS PROPERTY LIES IN ZONE "X" AND DOES NOT LOCATE WITHIN ANY PRESENTLY ESTABLISHED 100-YEAR FLOOD PLAIN, AS SHOWN BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR ROCKWALL COUNTY TEXAS, COMMUNITY PANEL NUMBER 48397C0040L EFFECTIVE DATE SEPTEMBER 26, 2008.

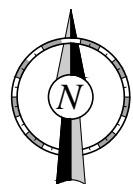
BENCHMARKS:

- BASIS OF BEARINGS
SOUTHWEST LINE OF LOT 1R, BLOCK A MONTEGO ADDITION
HELD AS N 35°22'17" W (CABINET E, SLIDE, M.R.R.C.T.)
BM-1 CITY OF ROCKWALL GPS CONTROL MONUMENT 'RESET R005-1, LOCATED IN THE MEDIAN OF SUMMIT RIDGE DRIVE AT THE INTERSECTION WITH F.M. HIGHWAY NO. 740 ELEVATION=578.63'
BM-2 CITY OF ROCKWALL GPS CONTROL MONUMENT NO. R016, LOCATED AT THE CITY OF ROCKWALL SERVICE CENTER BUILDING ON AIRPORT ROAD. ELEVATION=558.72
SQUARE CUT WITH "X" SET ON THE WEST EDGE IN THE CENTER OF A CURB INLET LOCATED 18' SOUTH OF THE NORTHWEST PROPERTY CORNER OF SUBJECT PROPERTY (LOT 1R, BLOCK A, MONTEGO ADDITION). ELEVATION=563.11'
SQUARE CUT WITH "X" SET ON THE SOUTHEAST CORNER OF A CURB INLET LOCATED 5' WEST OF THE SOUTH PROPERTY CORNER OF SUBJECT PROPERTY (LOT 1R, BLOCK A, MONTEGO ADDITION). ELEVATION=562.56'

SITE DEVELOPMENT PLANS FOR QUIKTRIP STORE #0935 2012 S. GOLIAD STREET ROCKWALL, TEXAS LOT 1R, BLOCK A MONTEGO ADDITION AND A PORTION OF LOT 2, BLOCK A ROCKWALL SHOPPING CENTER



Vicinity Map Not to Scale



MUNICIPAL CONTACT LIST:

CITY OF ROCKWALL

- PLANNING AND ZONING DEPARTMENT: 385 S. GOLIAD STREET, ROCKWALL, TEXAS 75087. TEL: (972) 771-7745. FAX: (972) 771-7748. CONTACT: RYAN MILLER.
BUILDING INSPECTIONS DEPARTMENT: 385 S. GOLIAD STREET, ROCKWALL, TEXAS 75087. TEL: (972) 772-6481. FAX: (972) 771-7748. CONTACT: JOHN ANKRUM (PLANS EXAMINER).
ENGINEERING / PUBLIC WORKS DEPARTMENT: 385 S. GOLIAD STREET, ROCKWALL, TEXAS 75087. TEL: (972) 771-7746. FAX: (972) 771-7748. CONTACT: AMY WILLIAMS, P.E.
ENGINEERING / PUBLIC WORKS / FIELD OPERATIONS: 385 S. GOLIAD STREET, ROCKWALL, TEXAS 75087. TEL: (972) 771-7746. FAX: (972) 771-7748. CONTACT: STEVE CLAWSON.
CITY FIRE DEPARTMENT: 305 E. BOYDSTUN AVE., ROCKWALL, TEXAS 75087. TEL: (972) 771-7770. FAX: (972) 771-7772. CONTACT: ARIANA HARGROVE (FIRE MARSHAL).
PUBLIC WORKS DEPARTMENT: 1600 AIRPORT ROAD, ROCKWALL, TEXAS. TEL: (972) 771-7730. CONTACT: RICK SHERER (WATER/WASTEWATER MANAGER).

TxDOT

TxDOT TEL: (972) 962-3617 CONTACT: BRENDA CALLAWAY, P.E.

PRIVATE UTILITIES

- CHARTER COMMUNICATIONS: TEL: (817) 298-3605. CONTACT: BRENT BASCOM. brent.bascom@chartercom.com.
ATMOS ENERGY (GAS): TEL: (972) 485-6277. CONTACT: DINAH WOOD. Dinah.Wood@atmosenergy.com.
AT&T SOUTHWEST: TEL: (903) 457-2303. CONTACT: BRIAN DUNCAN. bd5618@att.com.
ONCOR ELECTRIC DELIVERY: TEL: (972) 551-7233. CONTACT: RANDY VOIGHT. Randy.Voight@oncor.com.
QT REAL ESTATE PROJECT MANAGER: JAKE PETRAS, 1120 NORTH INDUSTRIAL BLVD. EULESS, TEXAS 76039. TEL: (817) 786-3188. FAX: (918) 615-7287.
ENGINEER OF RECORD: R-DELTA ENGINEERS, INC., TBPE FIRM NO. F-001515. BRIAN P. PATRICK, P.E., 618 MAIN STREET, GARLAND, TEXAS 75040. TEL: (972) 494-5031. FAX: (972) 487-2270.
QT CIVIL PROJECT MANAGER: JOHN DROZ, 4705 SOUTH 129TH EAST AVENUE, TULSA, OK 74134. TEL: (918) 615-7080.

PROJECT CONTACT LIST:

- SURVEYOR OF RECORD: SURVEY CONSULTANTS, INC., WILLIAM J. JOHNSON, R.P.L.S., 811 E. PLANO PARKWAY, SUITE 117, PLANO, TEXAS 75074. TEL: (972) 424-7002. FAX: (972) 633-1702.
QT REAL ESTATE PROJECT MANAGER: JAKE PETRAS, 1120 NORTH INDUSTRIAL BLVD. EULESS, TEXAS 76039. TEL: (817) 786-3188. FAX: (918) 615-7287.
ENGINEER OF RECORD: R-DELTA ENGINEERS, INC., TBPE FIRM NO. F-001515. BRIAN P. PATRICK, P.E., 618 MAIN STREET, GARLAND, TEXAS 75040. TEL: (972) 494-5031. FAX: (972) 487-2270.
QT CIVIL PROJECT MANAGER: JOHN DROZ, 4705 SOUTH 129TH EAST AVENUE, TULSA, OK 74134. TEL: (918) 615-7080.

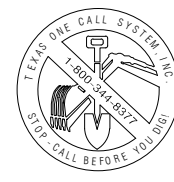
PROJECT NOTES:

- 1. THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM PUBLIC RECORDS AND FIELD TOPOGRAPHIC SURVEY BY OTHERS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR SHALL DETERMINE THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING, EXCAVATION, AND/OR REMOVAL AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND/OR ANY UNDERGROUND UTILITIES NOT SHOWN ON THE PLANS AND OUTSIDE THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL FRANCHISE AND CITY UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL ALSO CONTACT TEXAS811 (OR 800-344-8377) PRIOR TO EXCAVATION TO FACILITATE UNDERGROUND DAMAGE PREVENTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF MATERIALS, THE JOBSITE, WARNING NOTICES, AND ALL OTHER ASPECTS OF THIS PROJECT UNTIL FINAL ACCEPTANCE BY THE CITY/OWNER.
3. TRAFFIC BARRICADES WILL BE REQUIRED FOR UTILITY AND PAVING CONSTRUCTION. BARRICADES AND ANY OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE INSTALLATION SHOWN IN THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLICATION, AS CURRENTLY AMENDED BY THE TEXAS DEPARTMENT OF TRANSPORTATION. CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AND ANY OTHER TRAFFIC CONTROL DEVICES AS NECESSARY IN ACCORDANCE WITH THIS MANUAL. CONTACT CITY PUBLIC WORKS AND TRAFFIC ENGINEERING DEPARTMENT PRIOR TO SETTING BARRICADES.
4. THE CONTRACTOR SHALL COORDINATE HIS UTILITY WORK WITH ADJUSTMENTS NECESSARY BY FRANCHISE UTILITIES. CONTRACTOR SHALL VERIFY DEPTHS AND LOCATIONS OF ALL EXISTING UTILITY LINES AT POINTS WHERE NEW LINES OR SERVICES ARE PROPOSED.
5. CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS AND ALL UTILITY SERVICES TO THE EXISTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT. HE SHALL COORDINATE THE NECESSARY CLOSING AND REMOVAL OF THE EXISTING PAVEMENT, RELOCATION OF EXISTING UTILITIES, AND INSTALLATION OF PROPOSED UTILITIES, NOT LIMITED TO SANITARY SEWER, WATER, ELECTRICITY, TELECOMMUNICATIONS & GAS WITH THE CITY AND PROPERTY OWNERS. CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ALL DAMAGES THAT MAY OCCUR TO THE PAVEMENT, WALKWAYS, STRUCTURES AND ANY OTHER FACILITY THAT IS TO REMAIN UNDISTURBED DURING THE DEMOLITION AND CONSTRUCTION PHASES.
6. TRENCH AND EXCAVATION SAFETY DRAWINGS AND DETAILS ARE NOT PROVIDED WITHIN THE PROJECT PLANS. ALL TRENCH AND EXCAVATION SAFETY AND SHORING SHALL CONFORM TO ALL CODES, REGULATIONS, SPECIFICATIONS, AND LAWS OF THE CITY OF ROCKWALL, STATE OF TEXAS, AND UNITED STATES GOVERNMENT, WITH PARTICULAR EMPHASIS ON ALL APPLICABLE REQUIREMENTS OF OCCUPATIONAL SAFETY HEALTH ADMINISTRATION (OSHA) STANDARDS, OSHA 2207, PART 1926, AND OSHA 2226. THE CONTRACTOR SHALL PROVIDE TRENCH AND EXCAVATION SAFETY SHORING DESIGN. THE DESIGN SHALL BE PREPARED, SIGNED, AND SEALED BY A LICENSED PROFESSIONAL ENGINEER (STATE OF TEXAS).
7. CONTRACTOR SHALL SHORE AND PROTECT EXISTING LIGHT AND POWER POLES AND OTHER UTILITIES AS NECESSARY THROUGHOUT CONSTRUCTION OF THE PROJECT.
8. ALL BFR'S MUST COMPLY WITH TEXAS ACCESSIBILITY STANDARDS (TAS) OF THE ARCHITECTURAL BARRIERS ACT AND AMERICANS WITH DISABILITIES ACT (ADA). THE CONTRACTOR SHALL COMPLY WITH ALL ADA AND TAS REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS ARISE BETWEEN THE PLANS AND/OR ADA OR TAS REQUIREMENTS. REFER TO TECHNICAL SPECIFICATIONS, ADA, AND TAS FOR ADDITIONAL REQUIREMENTS.
9. REFER TO PROJECT GEOTECHNICAL SPECIFICATIONS IN GFAC ENGINEERING, INC.'S GEOTECHNICAL EVALUATION REPORT FOR GFAC PROJECT NO. 21012047, TITLED "QUIKTRIP STORE NO. 935, IH-30 AND HIGHWAY 205 (GOLIAD STREET), ROCKWALL, TEXAS" DATED JANUARY 30, 2013 FOR SITE PREPARATION, EXCAVATION, FILL COMPACTION, SUBGRADE, FOUNDATION, TESTING REQUIREMENTS, ETC. THIS DOCUMENT SHALL BECOME A PART OF THESE PLANS AND SPECIFICATIONS.
10. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SHEET INDEX

Table with 2 columns: NO. and TITLE. Lists sheet numbers from C001 to L501 and their corresponding titles such as COVER SHEET, DEMOLITION PLAN, SITE PLAN, etc.

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



"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."

CASE NO. SP2012-028

Professional Engineer seal for Brian P. Patrick, State of Texas, License No. 2088-12. Includes contact information for R-Delta Engineers.

QuikTrip No. 0935 logo and address: NWC OF GOLIAD AND I-30 ROCKWALL, TX.

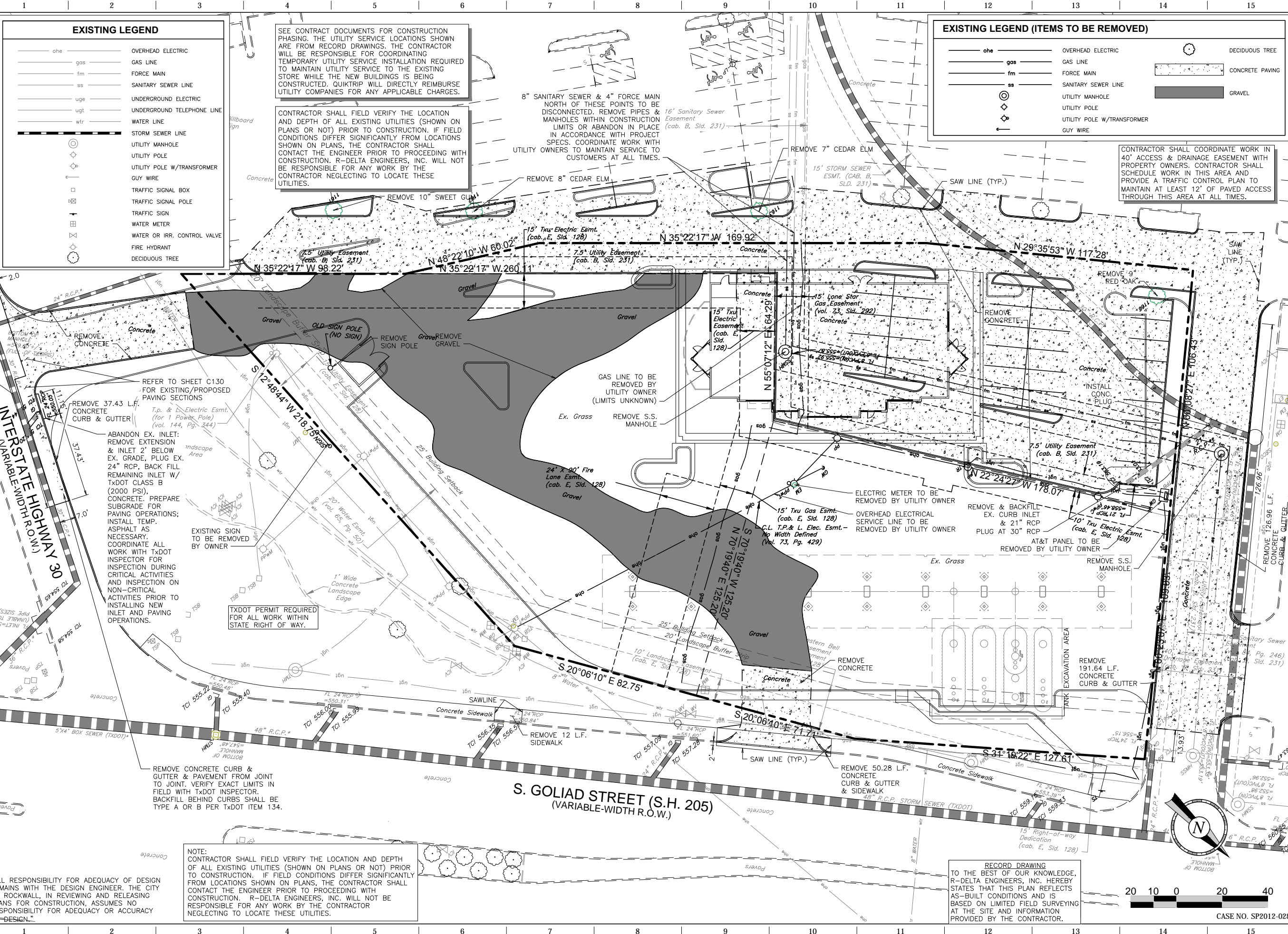
QuikTrip logo and project metadata including prototype, version, and designer information.

Table with columns for revision number, date, and description, showing a single revision on 06/18/14.

SHEET TITLE: COVER SHEET and SHEET NUMBER: C001.

FILE LOCATION: \\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME: Cover USER: rprochelle SAVED: 06/18/2014 1:21 PM PLOTTED: 06/18/2014 1:28 PM





- EXISTING LEGEND**
- ohe OVERHEAD ELECTRIC
  - gas GAS LINE
  - fm FORCE MAIN
  - ss SANITARY SEWER LINE
  - uge UNDERGROUND ELECTRIC
  - ugt UNDERGROUND TELEPHONE LINE
  - wtr WATER LINE
  - STORM SEWER LINE
  - UTILITY MANHOLE
  - UTILITY POLE
  - UTILITY POLE W/TURNFORMER
  - GUY WIRE
  - TRAFFIC SIGNAL BOX
  - TRAFFIC SIGNAL POLE
  - TRAFFIC SIGN
  - WATER METER
  - WATER OR IRR. CONTROL VALVE
  - FIRE HYDRANT
  - DECIDUOUS TREE

- EXISTING LEGEND (ITEMS TO BE REMOVED)**
- ohe OVERHEAD ELECTRIC
  - gas GAS LINE
  - fm FORCE MAIN
  - ss SANITARY SEWER LINE
  - UTILITY MANHOLE
  - UTILITY POLE
  - UTILITY POLE W/TURNFORMER
  - GUY WIRE
  - DECIDUOUS TREE
  - ▨ CONCRETE PAVING
  - ▩ GRAVEL

SEE CONTRACT DOCUMENTS FOR CONSTRUCTION PHASING. THE UTILITY SERVICE LOCATIONS SHOWN ARE FROM RECORD DRAWINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING TEMPORARY UTILITY SERVICE INSTALLATION REQUIRED TO MAINTAIN UTILITY SERVICE TO THE EXISTING STORE WHILE THE NEW BUILDINGS IS BEING CONSTRUCTED. QUICKTRIP WILL DIRECTLY REIMBURSE UTILITY COMPANIES FOR ANY APPLICABLE CHARGES.

CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

8" SANITARY SEWER & 4" FORCE MAIN NORTH OF THESE POINTS TO BE DISCONNECTED. REMOVE PIPES & MANHOLES WITHIN CONSTRUCTION LIMITS OR ABANDON IN PLACE IN ACCORDANCE WITH PROJECT SPECS. COORDINATE WORK WITH UTILITY OWNERS TO MAINTAIN SERVICE TO CUSTOMERS AT ALL TIMES.

CONTRACTOR SHALL COORDINATE WORK IN 40' ACCESS & DRAINAGE EASEMENT WITH PROPERTY OWNERS. CONTRACTOR SHALL SCHEDULE WORK IN THIS AREA AND PROVIDE A TRAFFIC CONTROL PLAN TO MAINTAIN AT LEAST 12' OF PAVED ACCESS THROUGH THIS AREA AT ALL TIMES.

REFER TO SHEET C130 FOR EXISTING/PROPOSED PAVING SECTIONS

REMOVE 37.43 L.F. CONCRETE CURB & GUTTER

ABANDON EX. INLET: REMOVE EXTENSION & INLET 2' BELOW EX. GRADE, PLUG EX. 24" RCP. BACK FILL REMAINING INLET W/ TXDOT CLASS B (2000 PSI). CONCRETE. PREPARE SUBGRADE FOR PAVING OPERATIONS; INSTALL TEMP. ASPHALT AS NECESSARY. COORDINATE ALL WORK WITH TXDOT INSPECTOR FOR CRITICAL ACTIVITIES AND INSPECTION ON NON-CRITICAL ACTIVITIES PRIOR TO INSTALLING NEW INLET AND PAVING OPERATIONS.

TXDOT PERMIT REQUIRED FOR ALL WORK WITHIN STATE RIGHT OF WAY.

**S. GOLIAD STREET (S.H. 205)**  
(VARIABLE-WIDTH R.O.W.)

NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

"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

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #884 ON 06-25-2014. A REPRODUCTION OF A SEALED DOCUMENT WITHOUT THE PROPER INFORMATION IS THE RESPONSIBILITY OF THE USER UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF GOLIAD AND I-30  
ROCKWALL, TX.

**QT**

© COPYRIGHT QUICKTRIP CORPORATION 2011. ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:

VERSION: 001

DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE: DEMOLITION PLAN

SHEET NUMBER: C030

CASE NO. SP2012-028

FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\076 - Record Plans.dwg TAB NAME: Demo USER: prochiele SAVED: 6/18/2014 1:21 PM PLOTTED: 6/18/2014 1:28 PM







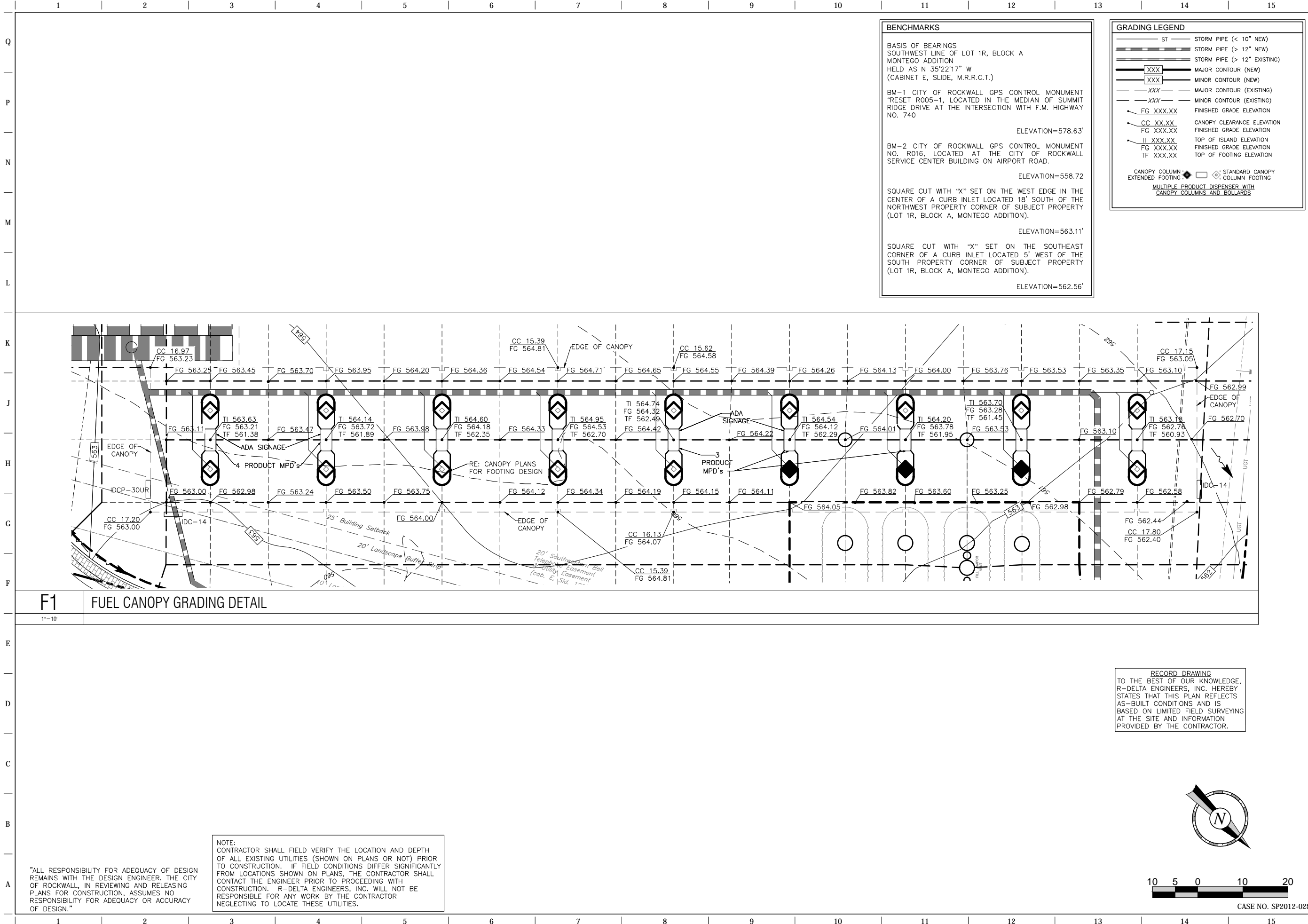








FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME:Canopy Grading USER:prochelle SAVETIME:18/2014 1:28 PM PLOTTED:6/18/2014 1:28 PM



**F1 FUEL CANOPY GRADING DETAIL**

1"=10'

"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."

NOTE:  
CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

**BENCHMARKS**

BASIS OF BEARINGS  
SOUTHWEST LINE OF LOT 1R, BLOCK A  
MONTEGO ADDITION  
HELD AS N 35°22'17" W  
(CABINET E, SLIDE, M.R.R.C.T.)

BM-1 CITY OF ROCKWALL GPS CONTROL MONUMENT  
"RESET R005-1, LOCATED IN THE MEDIAN OF SUMMIT  
RIDGE DRIVE AT THE INTERSECTION WITH F.M. HIGHWAY  
NO. 740  
ELEVATION=578.63'

BM-2 CITY OF ROCKWALL GPS CONTROL MONUMENT  
NO. R016, LOCATED AT THE CITY OF ROCKWALL  
SERVICE CENTER BUILDING ON AIRPORT ROAD.  
ELEVATION=558.72

SQUARE CUT WITH "X" SET ON THE WEST EDGE IN THE  
CENTER OF A CURB INLET LOCATED 18' SOUTH OF THE  
NORTHWEST PROPERTY CORNER OF SUBJECT PROPERTY  
(LOT 1R, BLOCK A, MONTEGO ADDITION).  
ELEVATION=563.11'

SQUARE CUT WITH "X" SET ON THE SOUTHEAST  
CORNER OF A CURB INLET LOCATED 5' WEST OF THE  
SOUTH PROPERTY CORNER OF SUBJECT PROPERTY  
(LOT 1R, BLOCK A, MONTEGO ADDITION).  
ELEVATION=562.56'

**GRADING LEGEND**

- ST STORM PIPE (< 10" NEW)
- ST STORM PIPE (> 12" NEW)
- ST STORM PIPE (> 12" EXISTING)
- XXX MAJOR CONTOUR (NEW)
- XXX MINOR CONTOUR (NEW)
- XXX MAJOR CONTOUR (EXISTING)
- XXX MINOR CONTOUR (EXISTING)
- FG XXX.XX FINISHED GRADE ELEVATION
- CC XX.XX CANOPY CLEARANCE ELEVATION
- FG XXX.XX FINISHED GRADE ELEVATION
- TI XXX.XX TOP OF ISLAND ELEVATION
- FG XXX.XX FINISHED GRADE ELEVATION
- TF XXX.XX TOP OF FOOTING ELEVATION

CANOPY COLUMN: STANDARD CANOPY  
EXTENDED FOOTING: CANOPY COLUMN  
MULTIPLE PRODUCT DISPENSER WITH  
CANOPY COLUMNS AND BOLLARDS

RECORD DRAWING

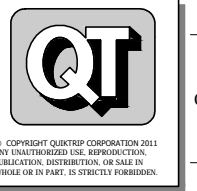
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. AS A SEAL ON DESIGN, ALTERNATION, PROVISIONAL OR IN CONNECTION WITH THE RESPONSIBILITY TO AN OFFICE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF COLLAD AND I-30  
ROCKWALL, TX.



PROTOTYPE:	P-72 (08/01/12)
DIVISION:	
VERSION:	001
DESIGNED BY:	
DRAWN BY:	KSR
REVIEWED BY:	

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
DETAILED CANOPY GRADING  
PLAN

SHEET NUMBER:  
**C112**

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE,  
R-DELTA ENGINEERS, INC. HEREBY  
STATES THAT THIS PLAN REFLECTS  
AS-BUILT CONDITIONS AND IS  
BASED ON LIMITED FIELD SURVEYING  
AT THE SITE AND INFORMATION  
PROVIDED BY THE CONTRACTOR.



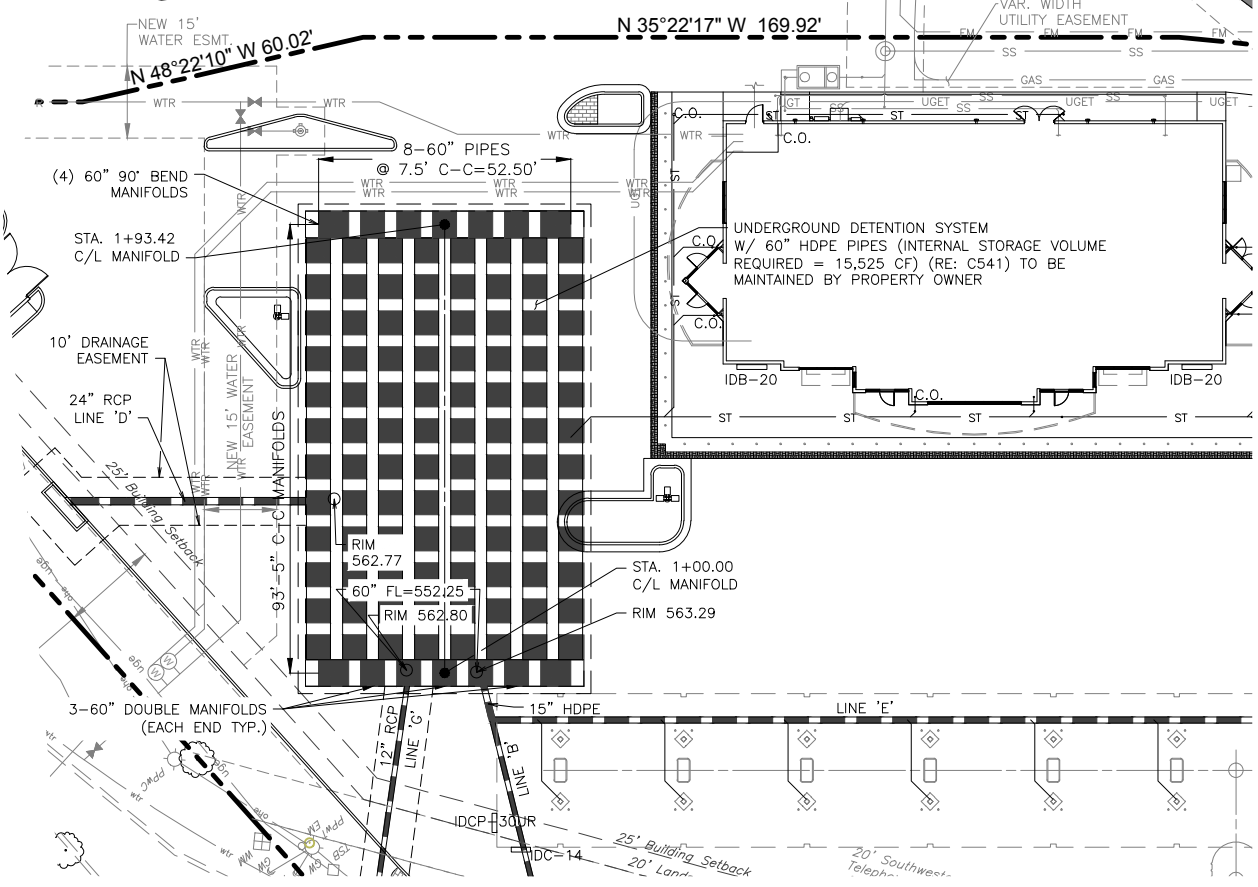
CASE NO. SP2012-028



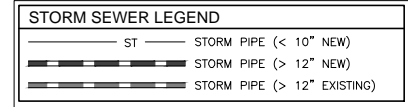




FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME:Detention USER:prochelle SAVEd:6/18/2014 1:21 PM PLOTTED:6/18/2014 1:28 PM



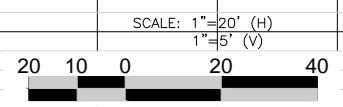
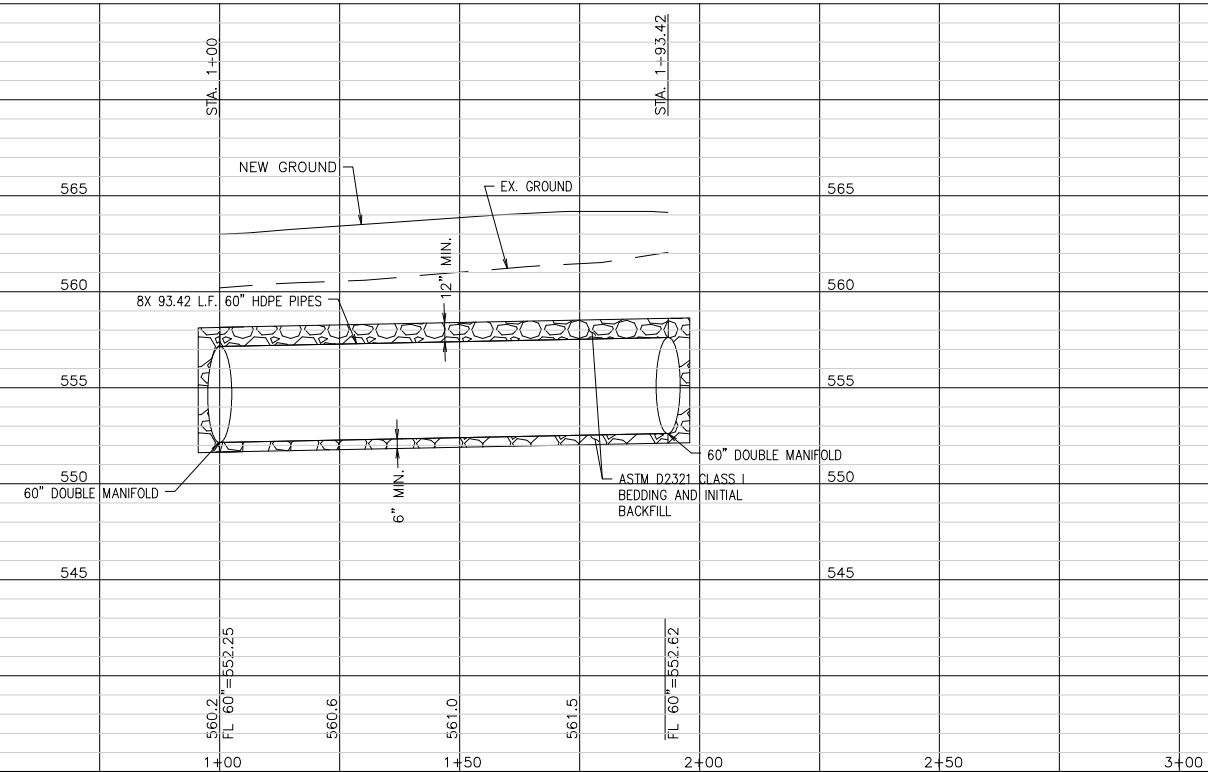
**STORM SEWER GENERAL NOTES**  
**STORM SEWER INSTALLATION CONSIDERATIONS**  
 PRIOR TO THE CONSTRUCTION OF, OR CONNECTION TO ANY STORM DRAIN OR ANY OTHER ELEVATION SENSITIVE UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTIONS AND ALL UTILITY CROSSINGS. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. THE ENGINEER AND OWNER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER AND OWNER ARE NOT NOTIFIED OF A DESIGN CONFLICT.



**NOTE:**  
 CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

- NOTES:**
1. ALL HDPE PIPE SHALL BE SOLID WALL AND HAVE SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS. HDPE PIPE SHALL BE WATER TIGHT PER ASTM F2648. JOINTS SHALL BE WATER TIGHT WITH GASKETS PER ASTM D3212. ALL FITTINGS SHALL CONFORM TO ASTM F2306.
  2. DETENTION SYSTEM SHALL BE CONSTRUCTED PER MANUFACTURER'S RECOMMENDATIONS.

**RECORD DRAWING**  
 TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



"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

PROJECT NO.: 2088-12  
**r.d. delta**  
 ENGINEERS  
 618 MAIN STREET  
 GARLAND, TEXAS 75040  
 Phone: (972) 494-5031  
 Fax: (972) 487-2270  
 www.rdelta.com  
 TBPE Firm No. F-001515

**QuikTrip No. 0935**  
 NWC OF COLLAD AND I-30  
 ROCKWALL, TX.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011  
 ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
 DIVISION:  
 VERSION: 001  
 DESIGNED BY:  
 DRAWN BY: KSR  
 REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
 DETENTION PLAN & PROFILE

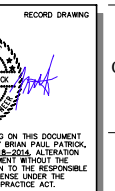
SHEET NUMBER:  
**C121**

CASE NO. SP2012-028









PROJECT NO.: 2088-12

**r.delta**  
ENGINEERS  
618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF GOLIAD AND I-30  
ROCKWALL, TX.



© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION,  
PUBLICATION, DISTRIBUTION, OR SALE IN  
WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
DIVISION:  
VERSION: 001  
DESIGNED BY:  
DRAWN BY: KSR  
REVIEWED BY:

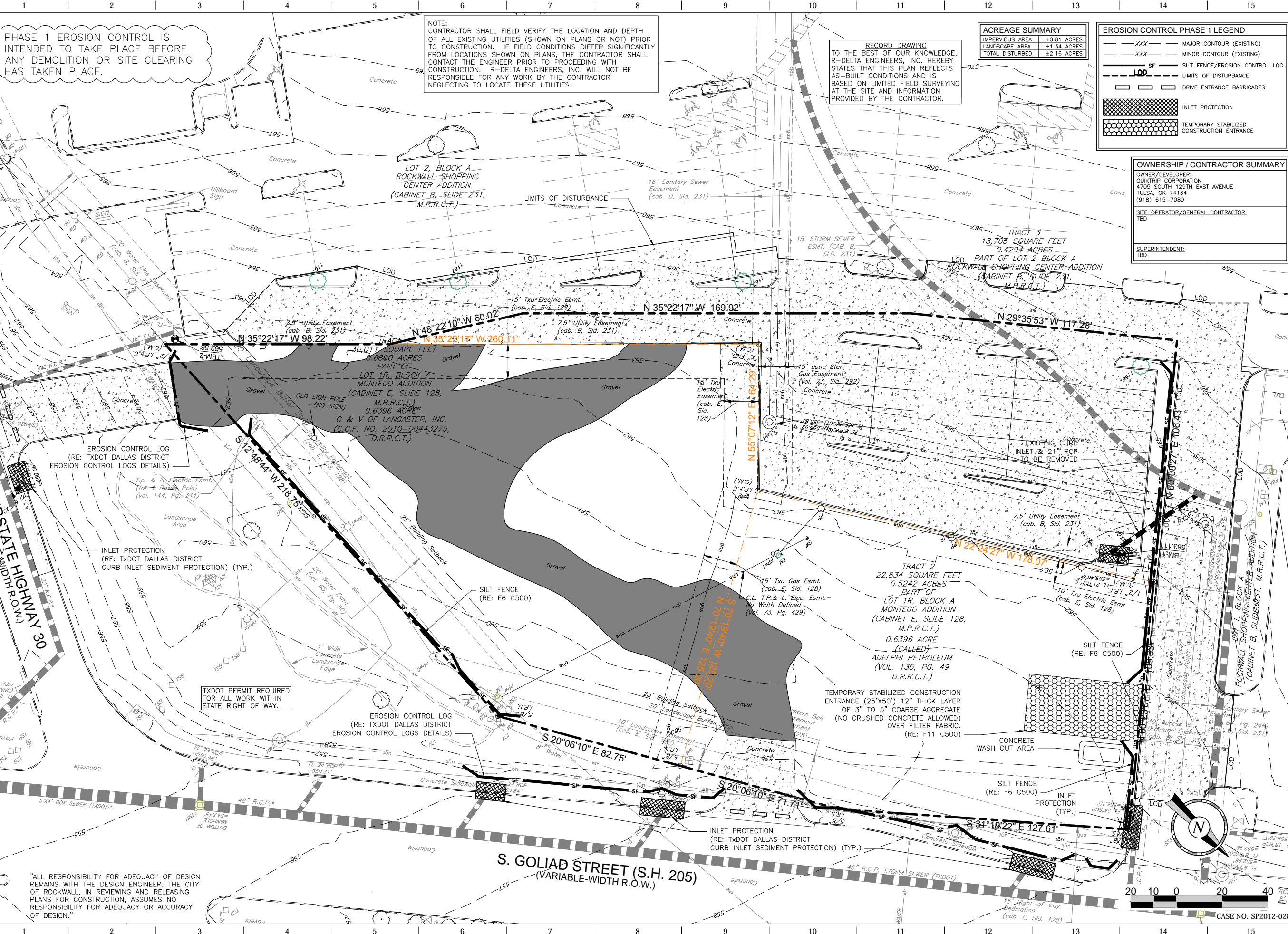
REV	DATE	DESCRIPTION

SHEET TITLE:  
**EROSION CONTROL PLAN  
PHASE 1**

SHEET NUMBER:  
**C140**

ORIGINAL ISSUE DATE: 06/18/14

CASE NO. SP2012-028



PHASE 1 EROSION CONTROL IS INTENDED TO TAKE PLACE BEFORE ANY DEMOLITION OR SITE CLEARING HAS TAKEN PLACE.

NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLIGENCE TO LOCATE THESE UTILITIES.

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

**ACREAGE SUMMARY**

IMPERVIOUS AREA	±0.81 ACRES
LANDSCAPE AREA	±1.34 ACRES
TOTAL DISTURBED	±2.16 ACRES

**EROSION CONTROL PHASE 1 LEGEND**

---XXX---	MAJOR CONTOUR (EXISTING)
---XXX---	MINOR CONTOUR (EXISTING)
SF	SILT FENCE/EROSION CONTROL LOG
---	LIMITS OF DISTURBANCE
[ ]	DRIVE ENTRANCE BARRICADES
[ ]	INLET PROTECTION
[ ]	TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

**OWNERSHIP / CONTRACTOR SUMMARY**

OWNER/DEVELOPER:	QUIKTRIP CORPORATION 4705 SOUTH 129TH EAST AVENUE TULSA, OK 74134 (918) 615-7080
SITE OPERATOR/GENERAL CONTRACTOR:	TBD
SUPERINTENDENT:	TBD

FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\ P076 - Record Plans.dwg  
TAB NAME: Erosion PH 1  
USER: rprochele  
SAVED: 06/18/2014 1:21 PM  
PLOTTED: 06/18/2014 1:28 PM

"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."

06/18/14  
ORIGINAL ISSUE DATE:



FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\18-2014 1:35 PM PLOTTED\6/18/2014 1:46 PM  
 Record Plans.dwg TAB NAME: Erosion PH 2 USER: rprocheille  
 PROJECTS\2088-12 QT Rockwall\18-2014 1:35 PM PLOTTED\6/18/2014 1:46 PM

PHASE 2 EROSION CONTROL IS INTENDED TO TAKE PLACE AFTER PAD SITE IS PREPARED AND BUILDING CONSTRUCTION HAS STARTED, STORM SEWER IS IN PLACE BUT CURB AND GUTTER AND PAVEMENT HAVE NOT BEEN CONSTRUCTED.

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

ACREAGE SUMMARY	
IMPERVIOUS AREA	±1.93 ACRES
LANDSCAPE AREA	±0.29 ACRES
TOTAL DISTURBED	±2.22 ACRES

EROSION CONTROL PHASE 2 LEGEND	
---XXX---	MAJOR CONTOUR (EXISTING)
---XXX---	MINOR CONTOUR (EXISTING)
---XXX---	MAJOR CONTOUR (NEW)
---XXX---	MINOR CONTOUR (NEW)
■	STORM GRATE (NEW)
—SF—	SILT FENCE/EROSION CONTROL LOG
---	LIMITS OF DISTURBANCE
---	DRIVE ENTRANCE BARRICADES
■	INLET PROTECTION
■	TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

- NOTES
- MINIMUM OF 1" TALL GRASS ESTABLISHED 75-80% OF ALL DISTURBED AREAS PRIOR TO ENGINEERING ACCEPTANCE.
  - ALL CITY AND STATE RIGHT-OF-WAYS TO BE SODDED.

OWNERSHIP / CONTRACTOR SUMMARY	
OWNER/DEVELOPER:	QUIKTRIP CORPORATION 4705 SOUTH 129TH EAST AVENUE TULSA, OK 74134 (918) 615-7080
SITE OPERATOR/GENERAL CONTRACTOR:	TBD
SUPERINTENDENT:	TBD

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #8844 ON 06-18-2014. A REPRODUCTION OF THIS SEAL WITHOUT THE PROPER NOTATION IS UNLAWFUL UNDER THE TEXAS PROFESSIONAL ENGINEERING ACT.

PROJECT NO.: 2088-12

**r. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF GOLIAD AND I-30  
ROCKWALL, TX.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011. ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE:	P-72 (08/01/12)
DIVISION:	
VERSION:	001
DESIGNED BY:	
DRAWN BY:	KSR
REVIEWED BY:	

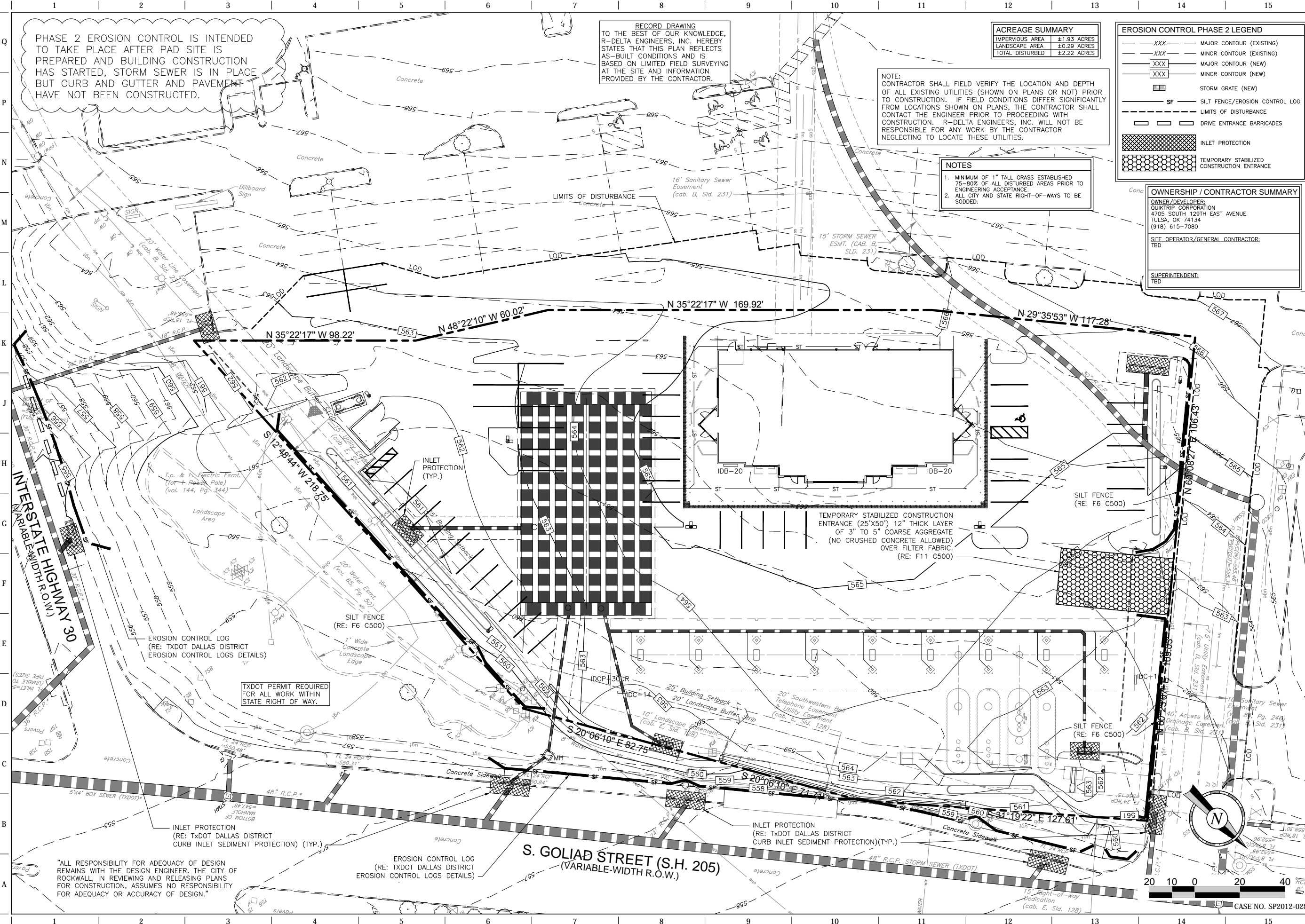
REV	DATE	DESCRIPTION

SHEET TITLE:  
EROSION CONTROL PLAN  
PHASE 2

SHEET NUMBER:  
**C141**

ORIGINAL ISSUE DATE: 06/18/14

CASE NO. SP2012-028



"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."

EROSION CONTROL LOG (RE: TXDOT DALLAS DISTRICT EROSION CONTROL LOGS DETAILS)

INLET PROTECTION (RE: TXDOT DALLAS DISTRICT CURB INLET SEDIMENT PROTECTION) (TYP.)

TXDOT PERMIT REQUIRED FOR ALL WORK WITHIN STATE RIGHT OF WAY.

EROSION CONTROL LOG (RE: TXDOT DALLAS DISTRICT EROSION CONTROL LOGS DETAILS)

SILT FENCE (RE: F6 C500)

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE (25'X50') 12" THICK LAYER OF 3" TO 5" COARSE AGGREGATE (NO CRUSHED CONCRETE ALLOWED) OVER FILTER FABRIC. (RE: F11 C500)

SILT FENCE (RE: F6 C500)

INLET PROTECTION (TYP.)

T.P. & L. Electric Esmt. (10' + Power Pole) (vol. 144, Pg. 344)

S. GOLIAD STREET (S.H. 205)  
(VARIABLE-WIDTH R.O.W.)

INTERSTATE HIGHWAY 30  
(VARIABLE-WIDTH R.O.W.)











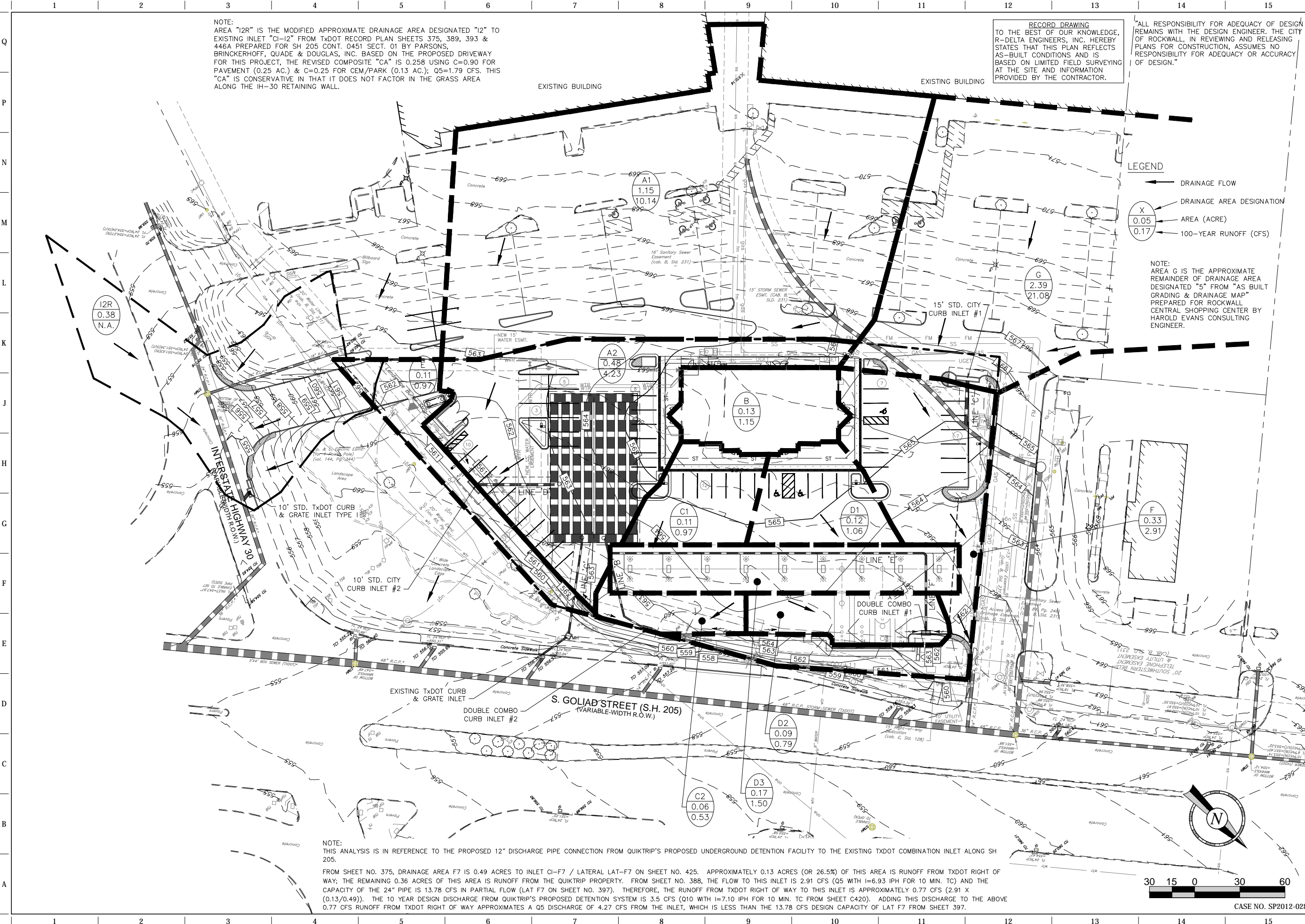








FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\12 QT Rockwall\12 QT Rockwall.dwg 08-08-12 Civil P076 - Record Plans.dwg TAB NAME: Post Dev. Map USER: rprochelle SAVED: 6/18/2014 1:21 PM PLOTTED: 6/18/2014 1:29 PM



NOTE:  
AREA "I2R" IS THE MODIFIED APPROXIMATE DRAINAGE AREA DESIGNATED "I2" TO EXISTING INLET "CI-12" FROM TXDOT RECORD PLAN SHEETS 375, 389, 393 & 446A PREPARED FOR SH 205 CONT. 0451 SECT. 01 BY PARSONS, BRINCKERHOFF, QUADE & DOUGLAS, INC. BASED ON THE PROPOSED DRIVEWAY FOR THIS PROJECT, THE REVISED COMPOSITE "CA" IS 0.258 USING C=0.90 FOR PAVEMENT (0.25 AC.) & C=0.25 FOR CEM/PARK (0.13 AC.); Q5=1.79 CFS. THIS "CA" IS CONSERVATIVE IN THAT IT DOES NOT FACTOR IN THE GRASS AREA ALONG THE IH-30 RETAINING WALL.

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

"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."

LEGEND

- ← DRAINAGE FLOW
- X DRAINAGE AREA DESIGNATION
- 0.05 AREA (ACRE)
- 0.17 100-YEAR RUNOFF (CFS)

NOTE:  
AREA G IS THE APPROXIMATE REMAINDER OF DRAINAGE AREA DESIGNATED "5" FROM "AS BUILT GRADING & DRAINAGE MAP" PREPARED FOR ROCKWALL CENTRAL SHOPPING CENTER BY HAROLD EVANS CONSULTING ENGINEER.

NOTE:  
THIS ANALYSIS IS IN REFERENCE TO THE PROPOSED 12" DISCHARGE PIPE CONNECTION FROM QUIKTRIP'S PROPOSED UNDERGROUND DETENTION FACILITY TO THE EXISTING TXDOT COMBINATION INLET ALONG SH 205.  
FROM SHEET NO. 375, DRAINAGE AREA F7 IS 0.49 ACRES TO INLET CI-F7 / LATERAL LAT-F7 ON SHEET NO. 425. APPROXIMATELY 0.13 ACRES (OR 26.5%) OF THIS AREA IS RUNOFF FROM TXDOT RIGHT OF WAY; THE REMAINING 0.36 ACRES OF THIS AREA IS RUNOFF FROM THE QUIKTRIP PROPERTY. FROM SHEET NO. 388, THE FLOW TO THIS INLET IS 2.91 CFS (Q5 WITH I=6.93 IPH FOR 10 MIN. TC) AND THE CAPACITY OF THE 24" PIPE IS 13.78 CFS IN PARTIAL FLOW (LAT F7 ON SHEET NO. 397). THEREFORE, THE RUNOFF FROM TXDOT RIGHT OF WAY TO THIS INLET IS APPROXIMATELY 0.77 CFS (2.91 X (0.13/0.49)). THE 10 YEAR DESIGN DISCHARGE FROM QUIKTRIP'S PROPOSED DETENTION SYSTEM IS 3.5 CFS (Q10 WITH I=7.10 IPH FOR 10 MIN. TC FROM SHEET C420). ADDING THIS DISCHARGE TO THE ABOVE 0.77 CFS RUNOFF FROM TXDOT RIGHT OF WAY APPROXIMATES A Q5 DISCHARGE OF 4.27 CFS FROM THE INLET, WHICH IS LESS THAN THE 13.78 CFS DESIGN CAPACITY OF LAT F7 FROM SHEET 397.

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #12884 ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS  
618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF GOLIAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
DIVISION:  
VERSION: 001  
DESIGNED BY:  
DRAWN BY: KSR  
REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
POST-DEVELOPED  
DRAINAGE MAP

SHEET NUMBER:  
**C410**

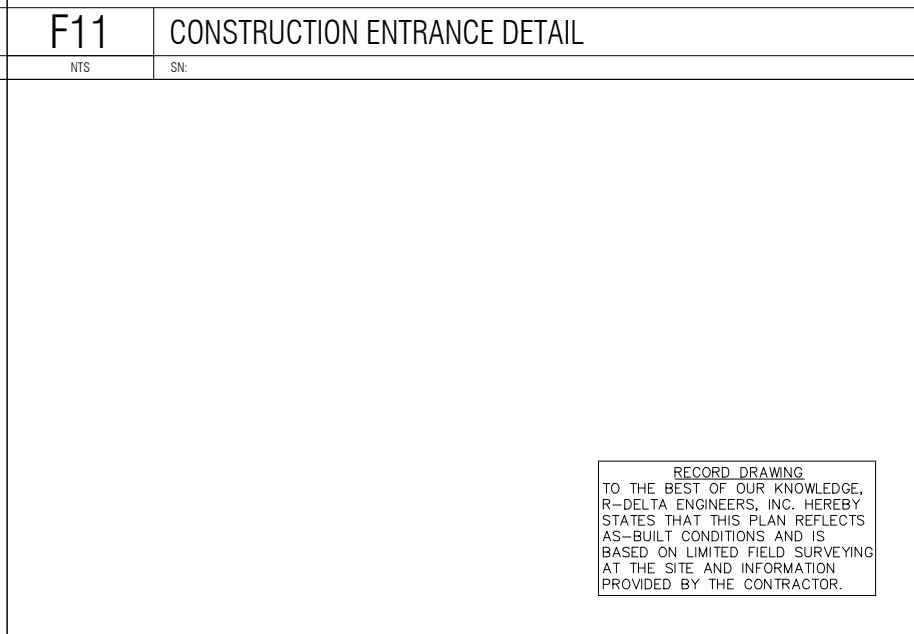
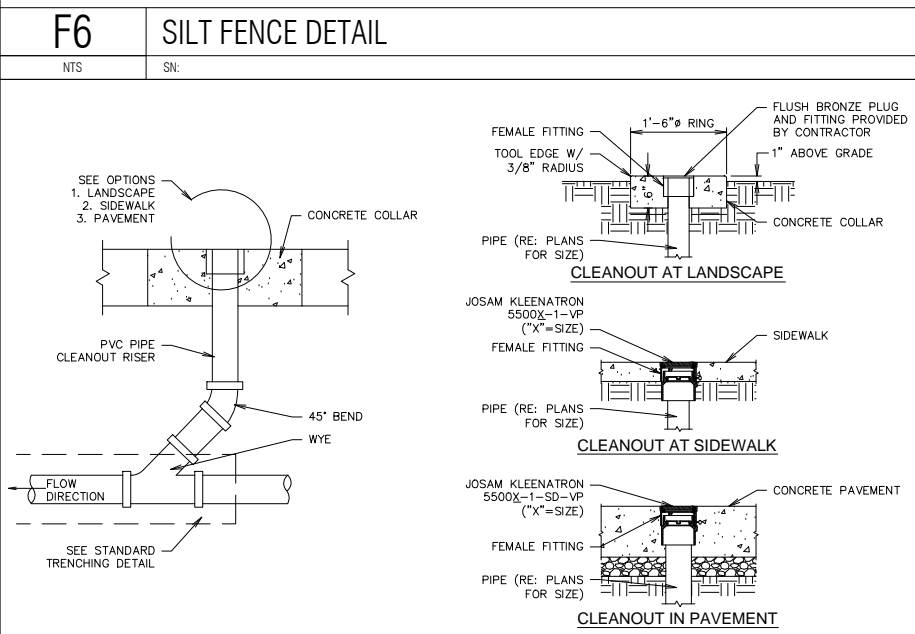
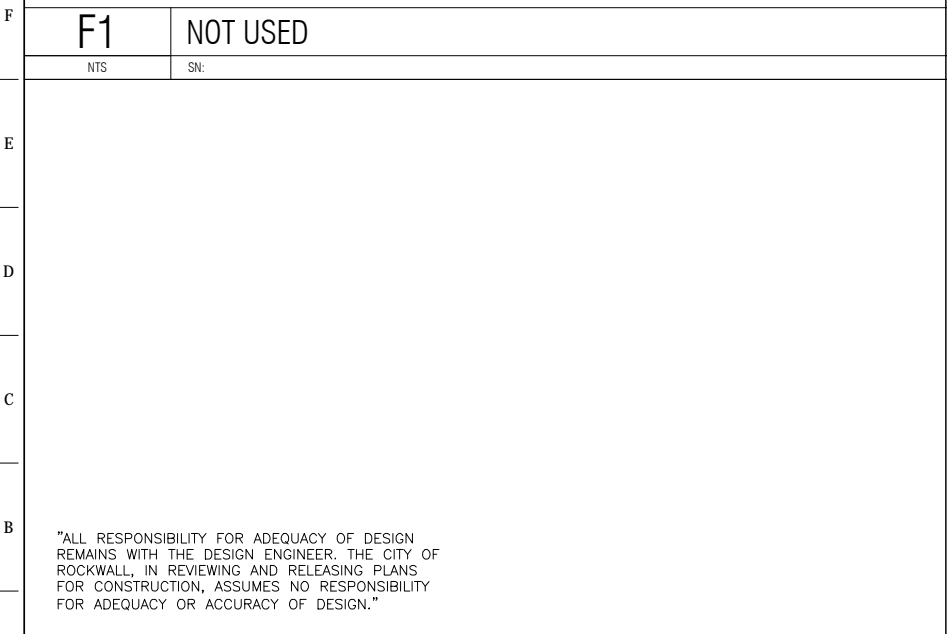
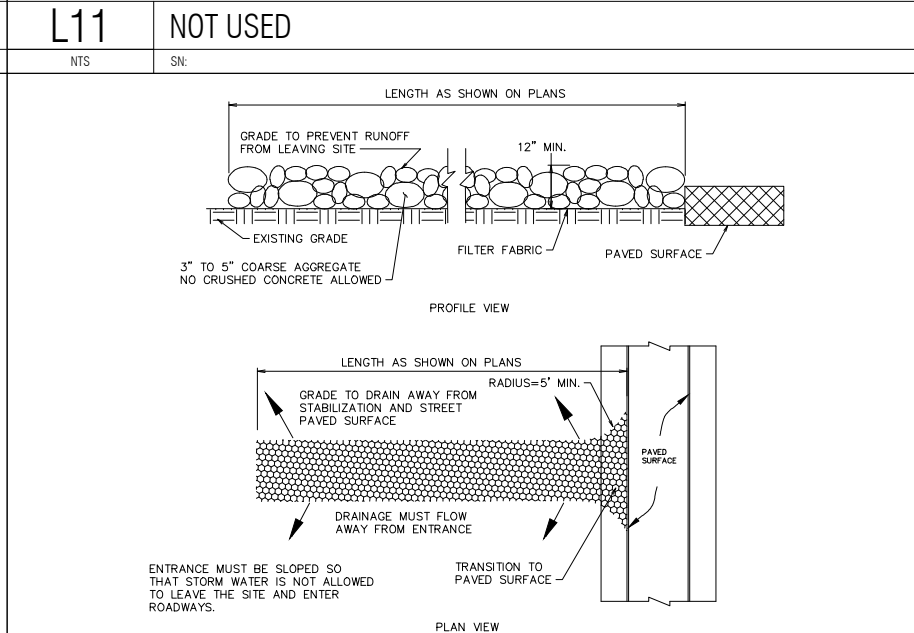
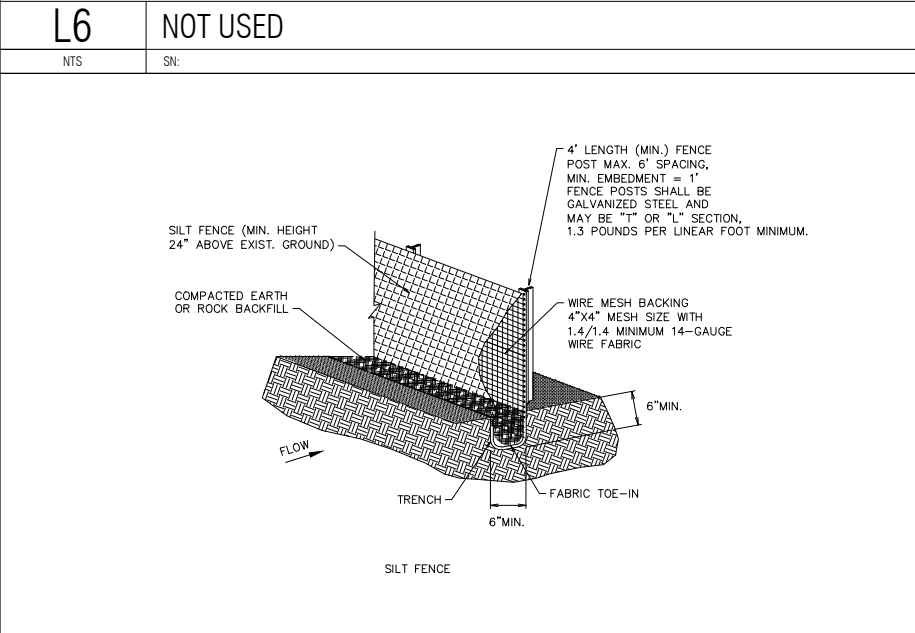
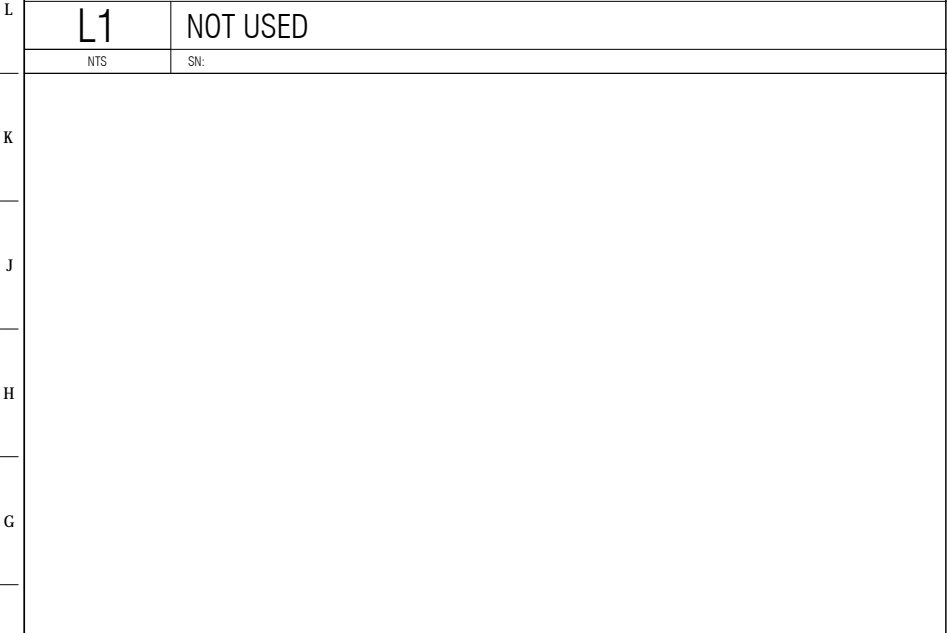
CASE NO. SP2012-028





FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Misc. Site-P73.dwg TAB NAME: SITE DETAIL SHEET 1 USER: sprochelle SAVER: 6/18/2014 1:37 PM PLOTTED: 6/18/2014 1:37 PM

Q															
P															
N															
M															
L	<b>L1</b>	NOT USED			<b>L6</b>	NOT USED			<b>L11</b>	NOT USED					
	NTS	SN:			NTS	SN:			NTS	SN:					



A	<b>A1</b>	NOT USED			<b>A6</b>	CLEANOUT SECTION DETAIL - PRIVATE			<b>A11</b>	NOT USED					
	NTS	SN:			NTS	SN: SD016A005			NTS	SN:					

"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, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. ASHRAE ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF COLLAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011. ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
DIVISION:  
VERSION: 001  
DESIGNED BY:  
DRAWN BY: KSR  
REVIEWED BY:

REV	DATE	DESCRIPTION

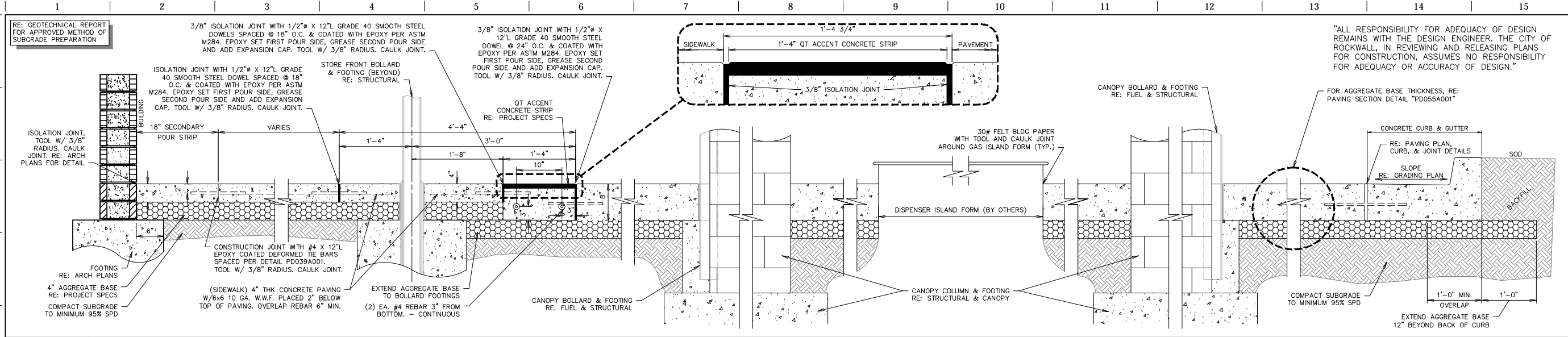
ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
MISC. SITE DETAILS

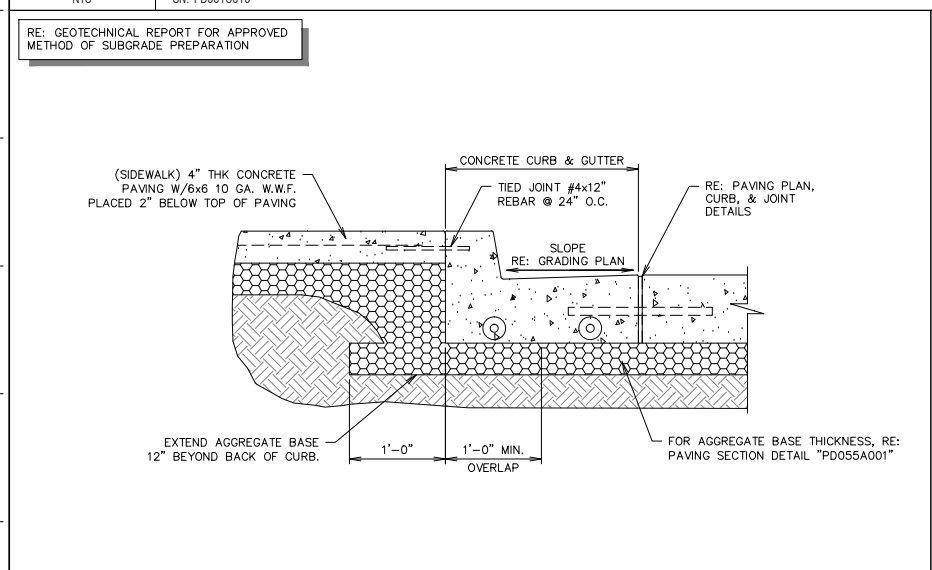
SHEET NUMBER:  
**C500**

CASE NO. SP2012-028

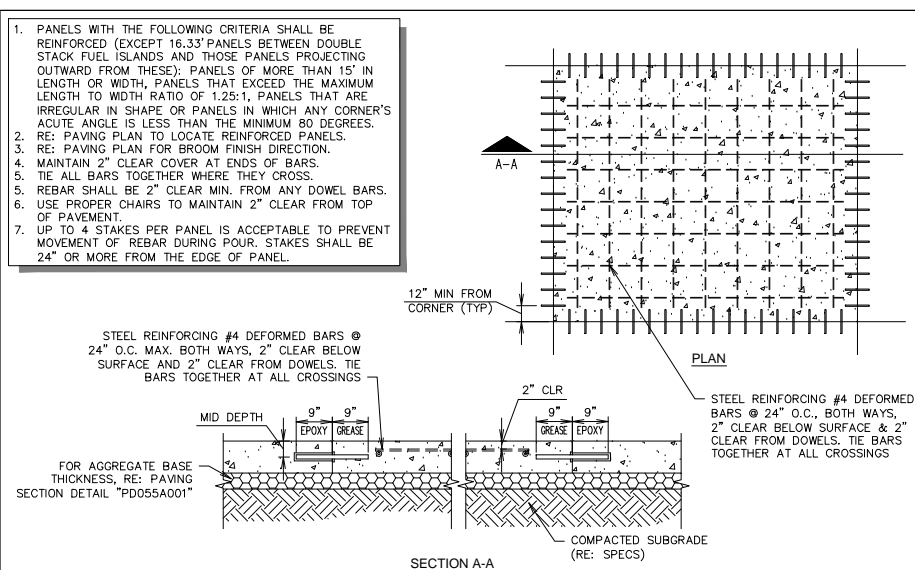
FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Paving-P73.dwg TAB NAME: Paving Detail Sheet 1 USER: rprochelle SAVED: 06/18/2014 1:35 PM PLOTTED: 06/18/2014 1:36 PM



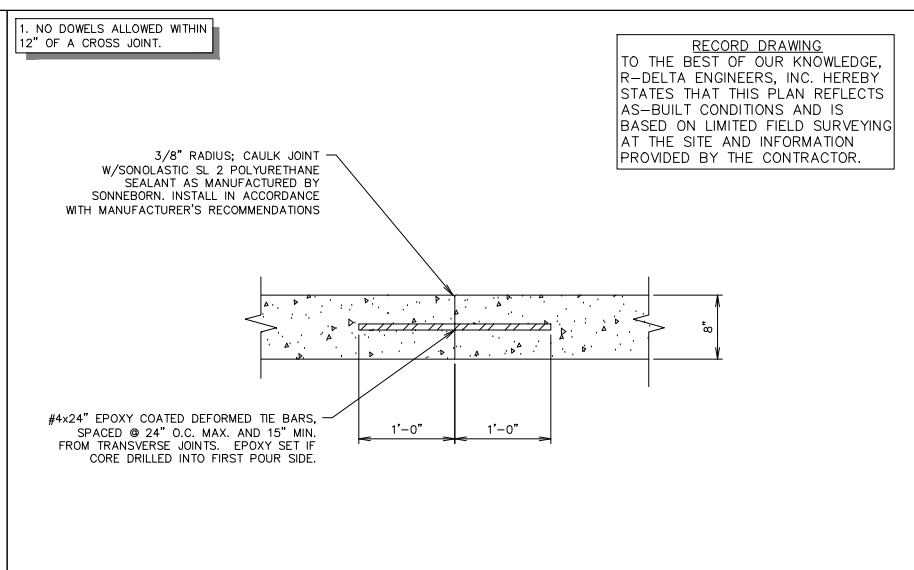
**L1 PAVING SECTION THROUGH SITE W/ STORE FRONT BOLLARDS (GEN III)**  
 NTS SN: PD001C010



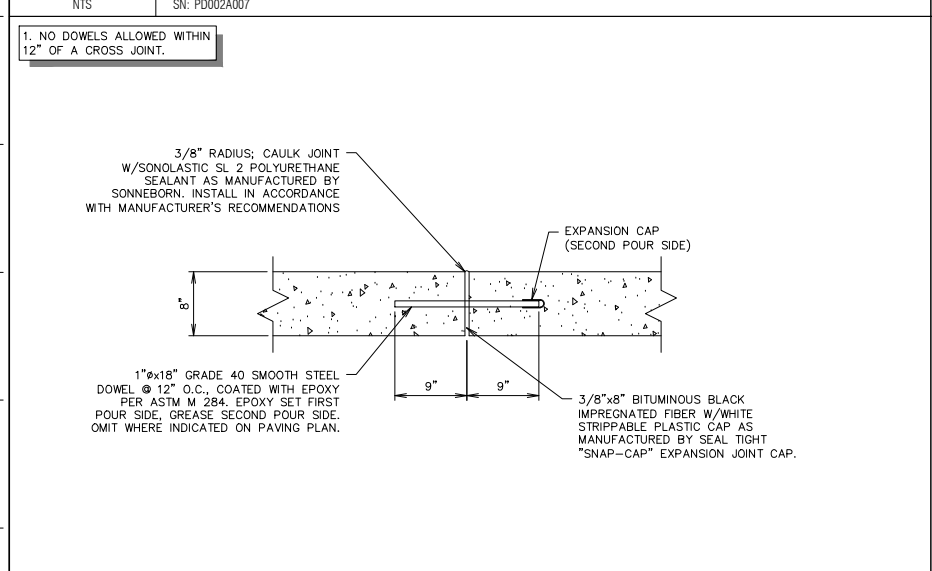
**F1 SIDEWALK SECTION ABUTTING CURB & GUTTER - PRIVATE**  
 NTS SN: PD002A007



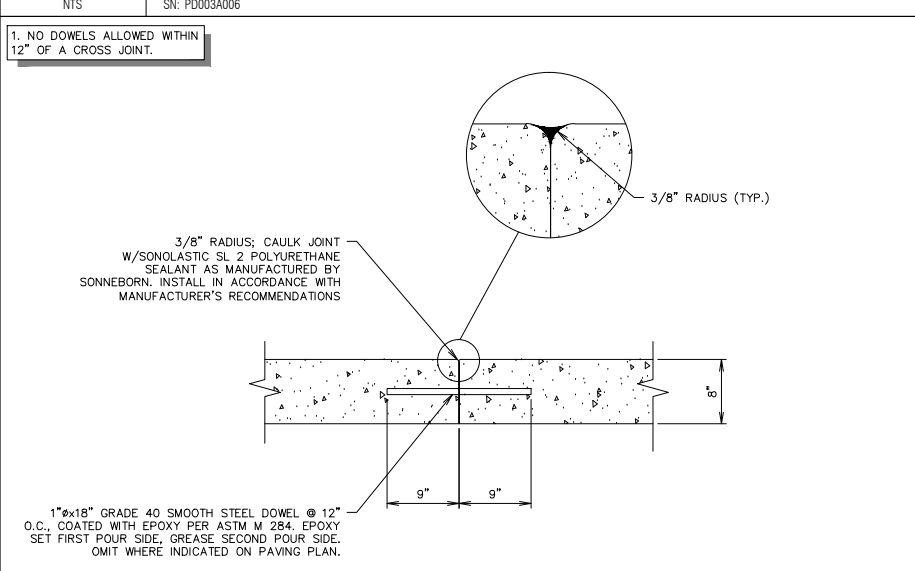
**F6 PAVEMENT REINFORCING DETAIL**  
 NTS SN: PD003A006



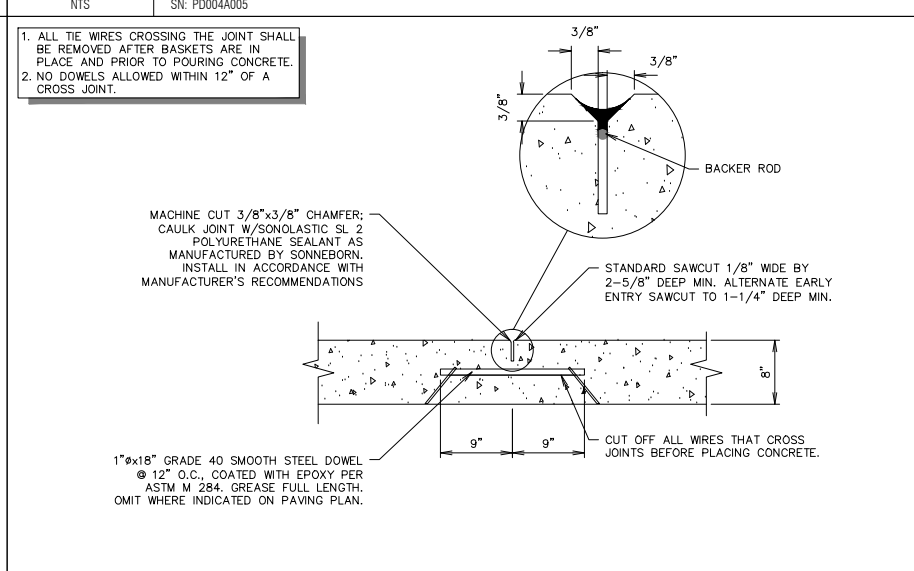
**F11 PAVING JOINT - TIED**  
 NTS SN: PD004A005



**A1 PAVING JOINT - ISOLATION**  
 NTS SN: PD005A004



**A6 PAVING JOINT - CONSTRUCTION**  
 NTS SN: PD006A004



**A11 PAVING JOINT - CONTRACTION**  
 NTS SN: PD007A005

"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

PROJECT NO.: 2088-12

**r.d. delta**  
 ENGINEERS  
 618 MAIN STREET  
 GARLAND, TEXAS 75040  
 Phone: (972) 494-5031  
 Fax: (972) 487-2270  
 www.rdelta.com  
 TBPE Firm No. F-001515

**QuikTrip No. 0935**  
 NWC OF COLLAD AND I-30  
 ROCKWALL, TX.

RECORD DRAWING  
 TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
 ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)
DIVISION:
VERSION: 001
DESIGNED BY:
DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

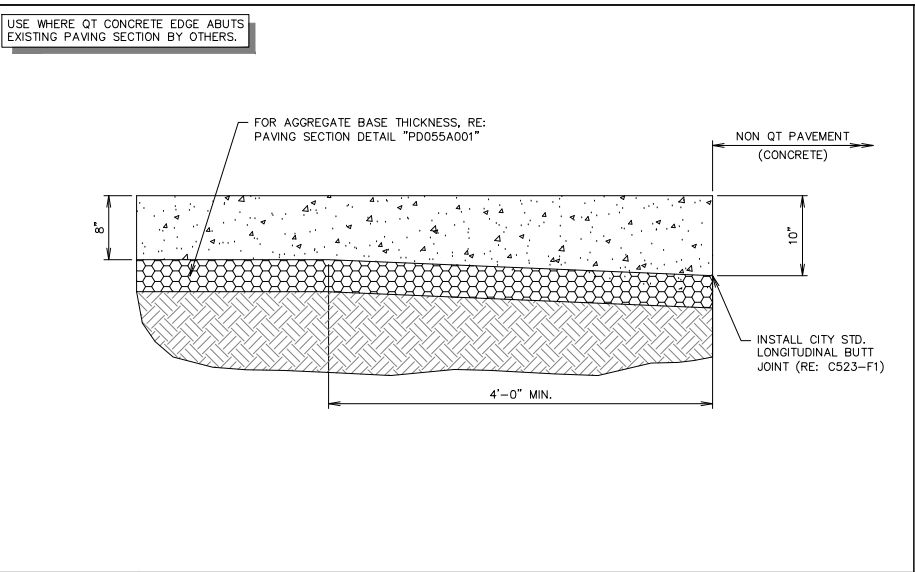
SHEET TITLE:  
 PAVING DETAILS

SHEET NUMBER:  
**C520**

CASE NO. SP2012-028

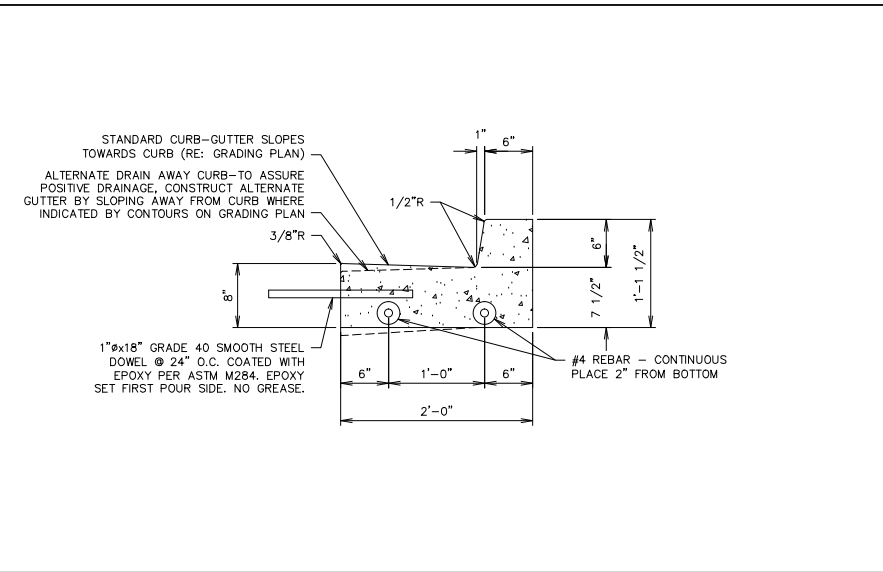


FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Paving-P73.dwg TAB NAME: Paving Detail Sheet 2 USER: rpochele SAVES: 6/18/2014 1:35 PM PLOTTED: 6/18/2014 1:36 PM



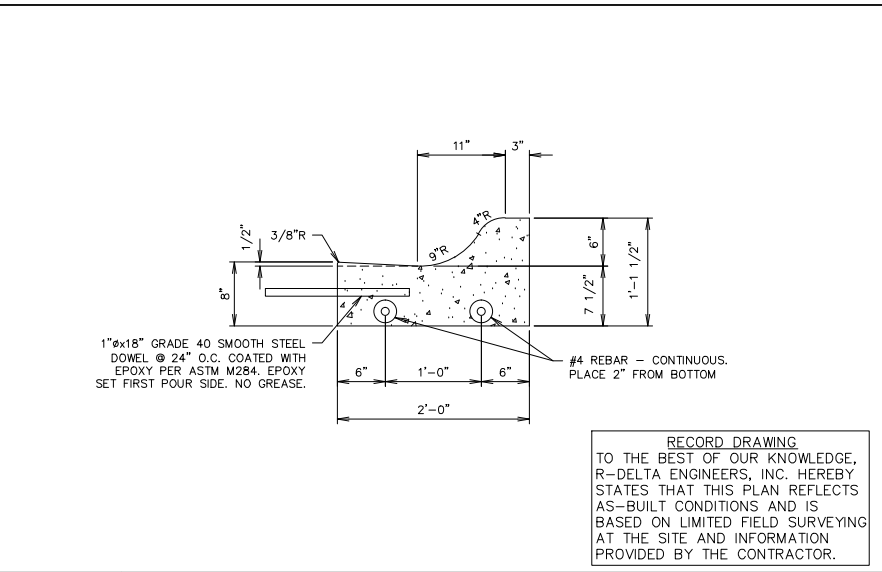
**L1** THICKENED EDGE SECTION

NTS SN: PD008A006



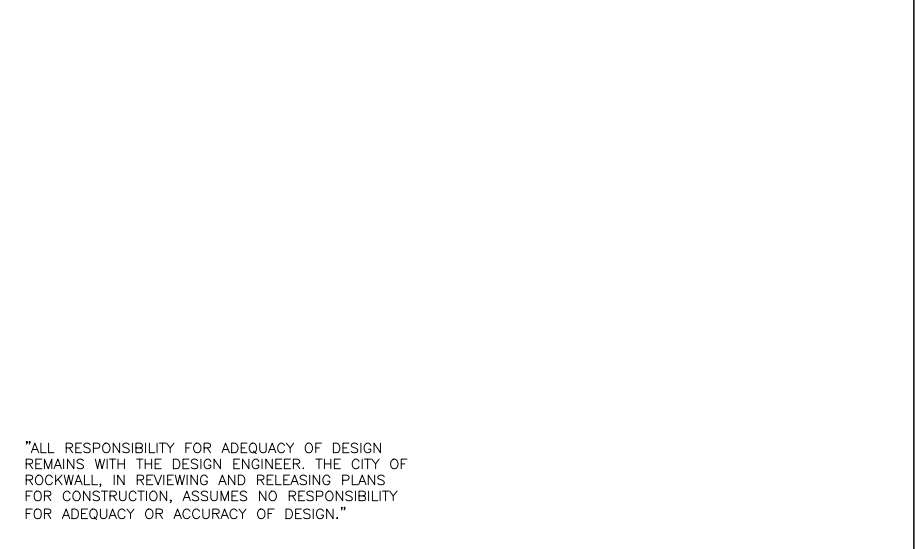
**L6** CURB DETAIL - BARRIER

NTS SN: PD009A006



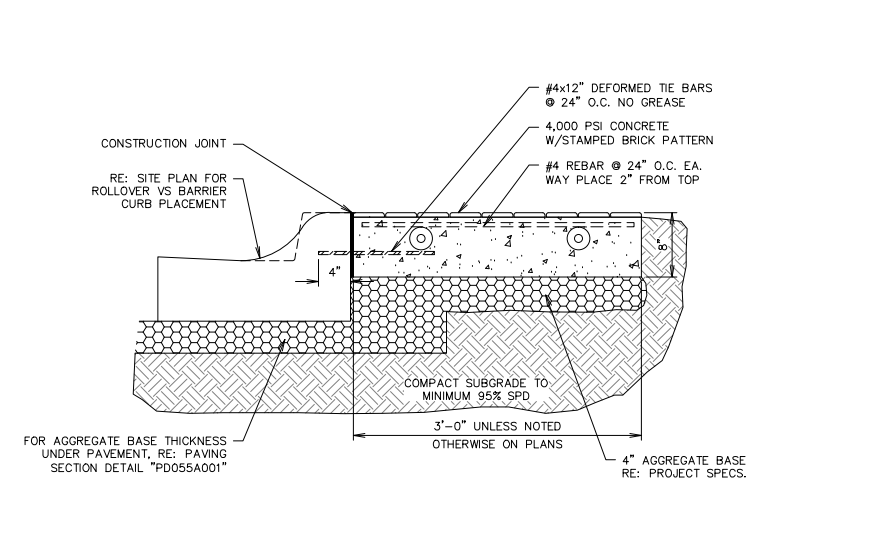
**L11** CURB DETAIL - ROLLOVER / MOUNTABLE

NTS SN: PD010A004



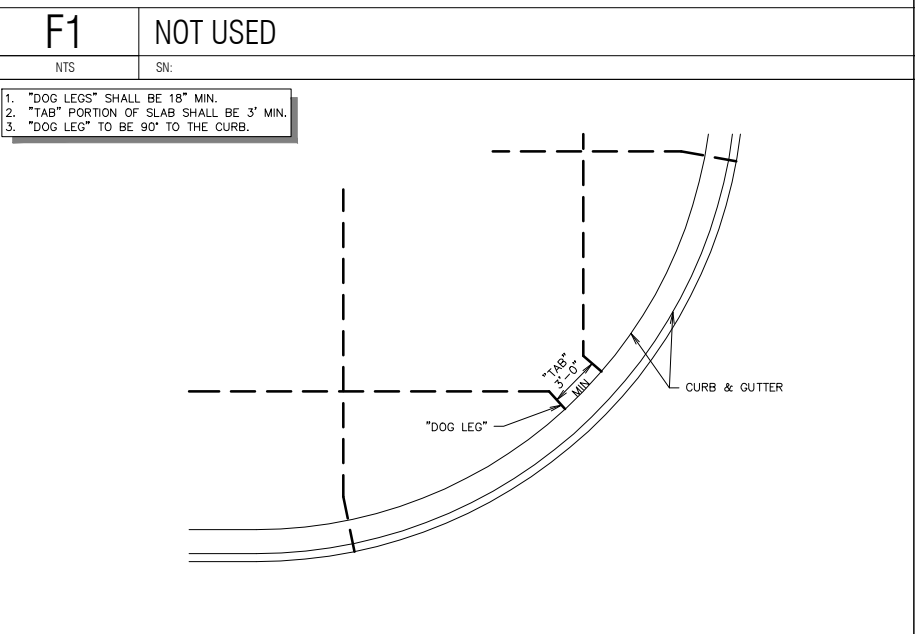
**F6** RADIUS PROTECTOR PLAN

NTS SN: PD016A002



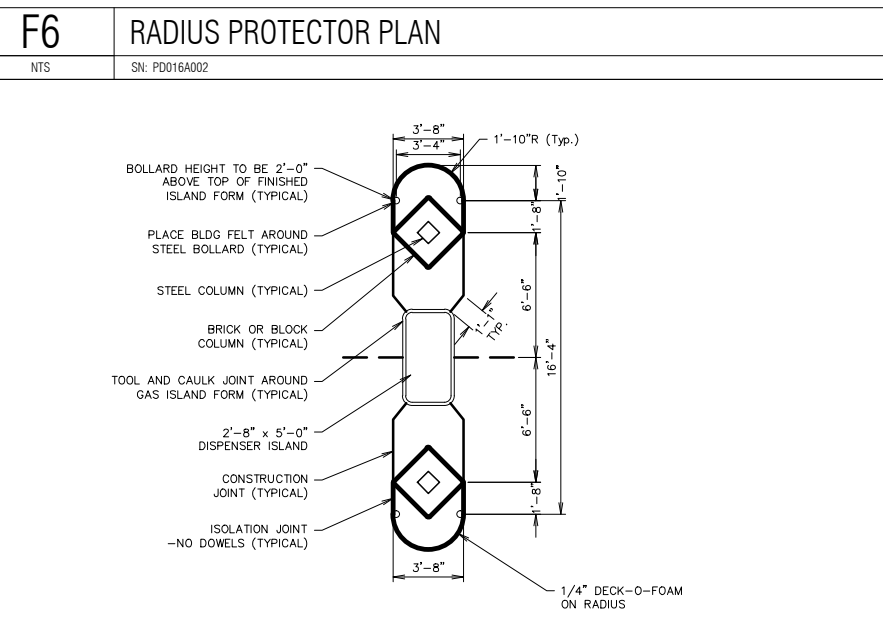
**F11** STANDARD RADIUS PROTECTOR SECTION

NTS SN: PD017A007



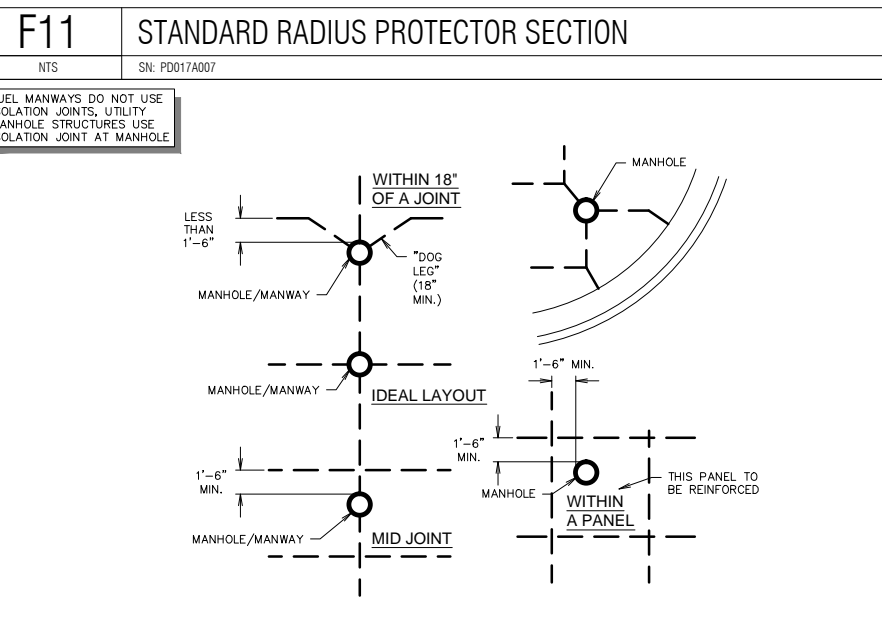
**A1** TYPICAL JOINT LAYOUT - AT RADIUS AND ANGLES

NTS SN: PD019A003



**A6** GAS ISLAND JOINTING - (GEN III) - PRIVATE

NTS SN: PD020C006



**A11** TYPICAL MANHOLE / FUEL MANWAY JOINT LAYOUTS - PRIVATE

NTS SN: PD021A003 CASE NO. SP2012-028

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #8844 ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**rdelta** ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLLAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011. ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:

VERSION: 001

DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
PAVING DETAILS

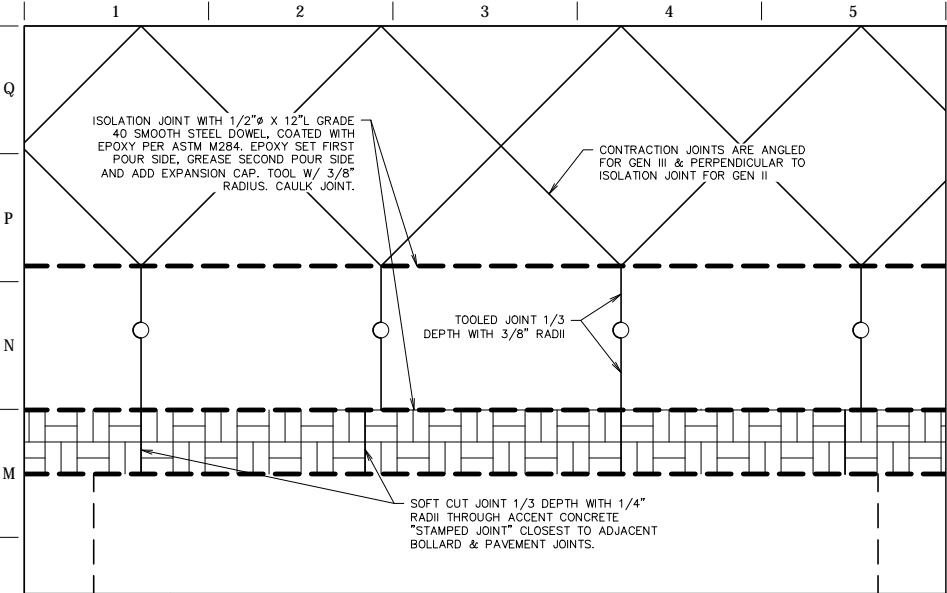
SHEET NUMBER:  
**C521**

CASE NO. SP2012-028



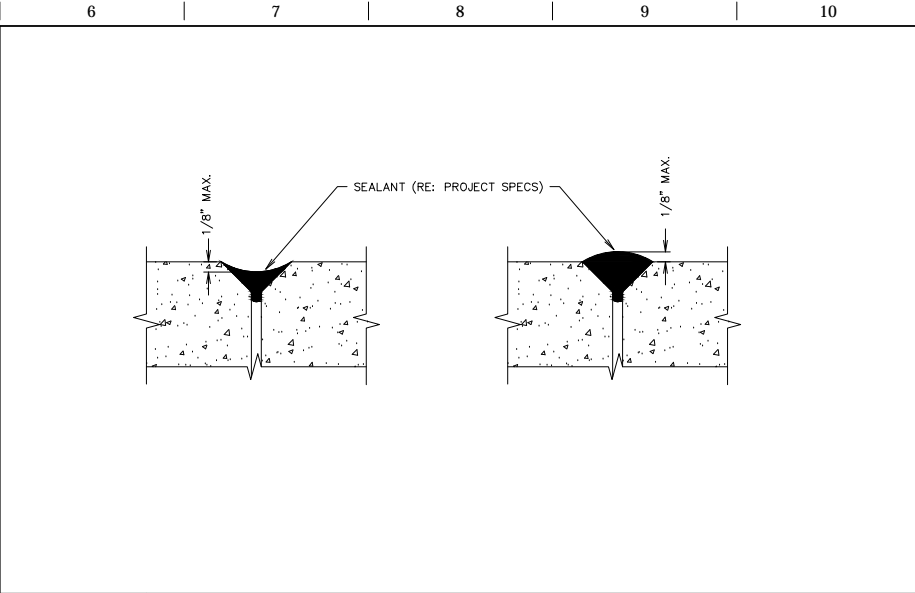


FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Paving-P73.dwg TAB NAME: Paving Detail Sheet 4 USER: rprochelle SAVED: 06/18/2014 1:35 PM PLOTTED: 06/18/2014 1:36 PM



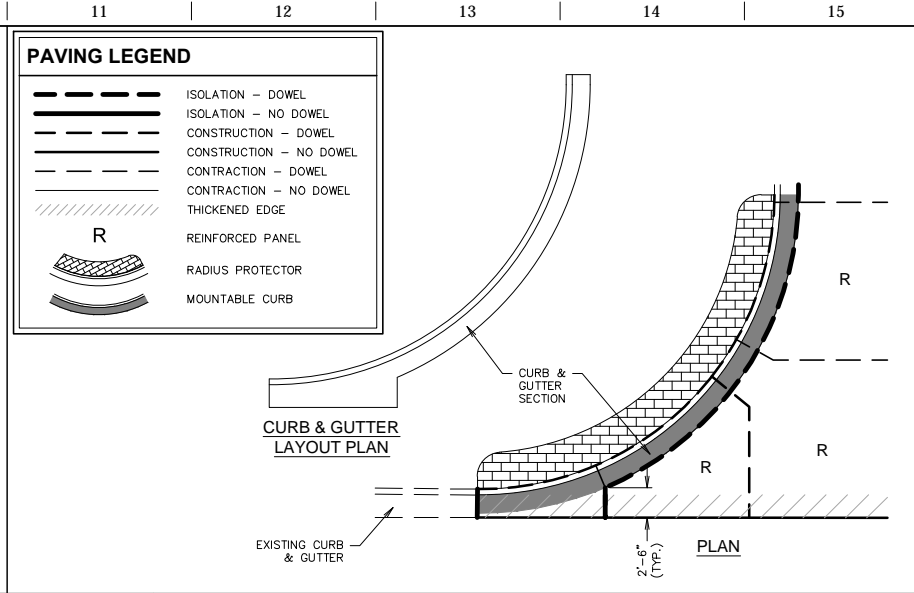
**L1** QT ACCENT CONCRETE STRIP JOINTING DETAIL

NTS SN: PD041A003



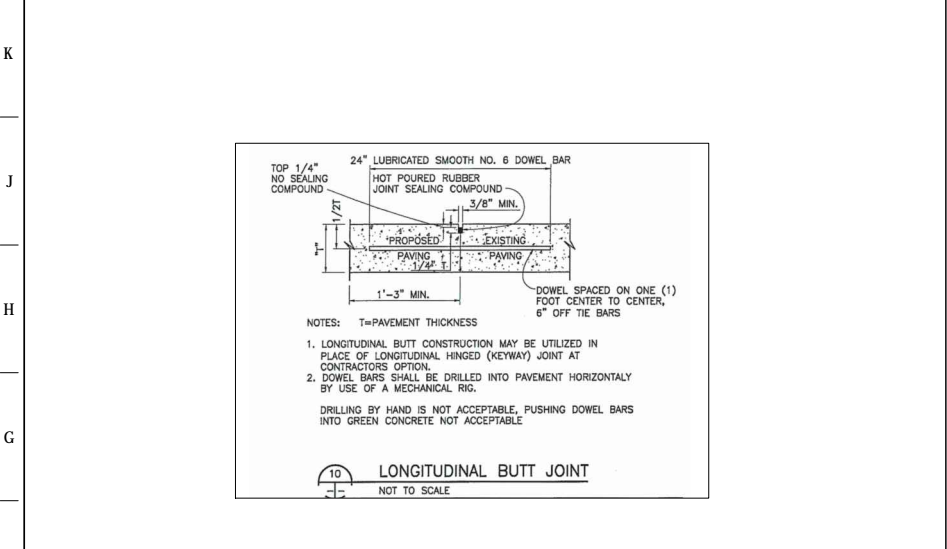
**L6** PAVING JOINT - SEALANT TOLERANCE DETAIL

NTS SN: PD042A003



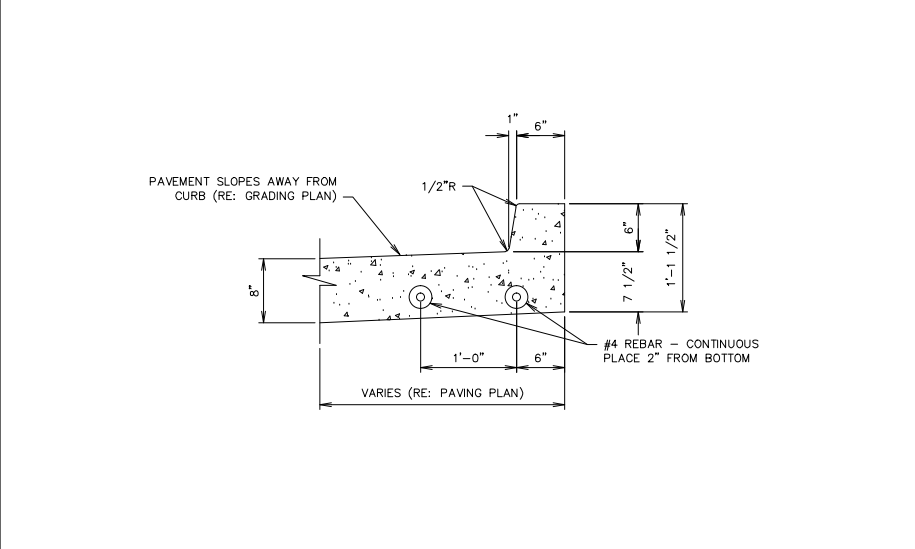
**L11** CURB DETAIL - DRIVE ENTRANCE

NTS SN: PD043A001



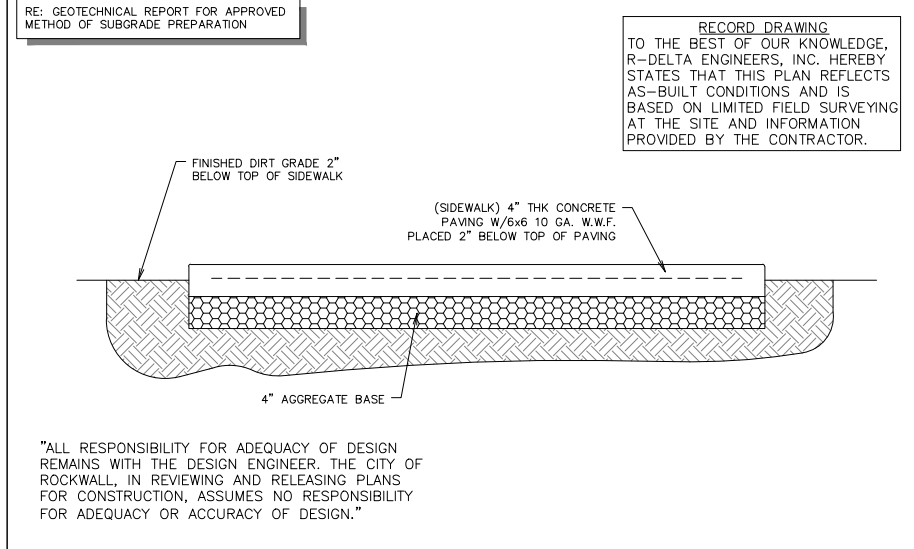
**F1** LONGITUDINAL BUTT JOINT

NTS



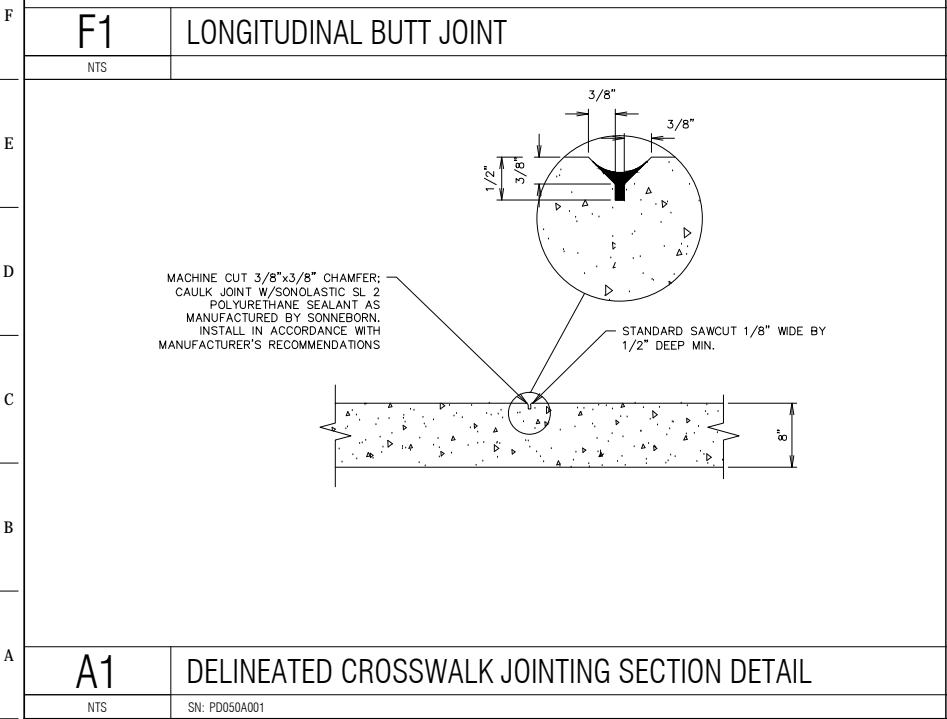
**F6** CURB DETAIL - MONOLITHIC @ TANK BUMP OUT

NTS SN: PD048A001



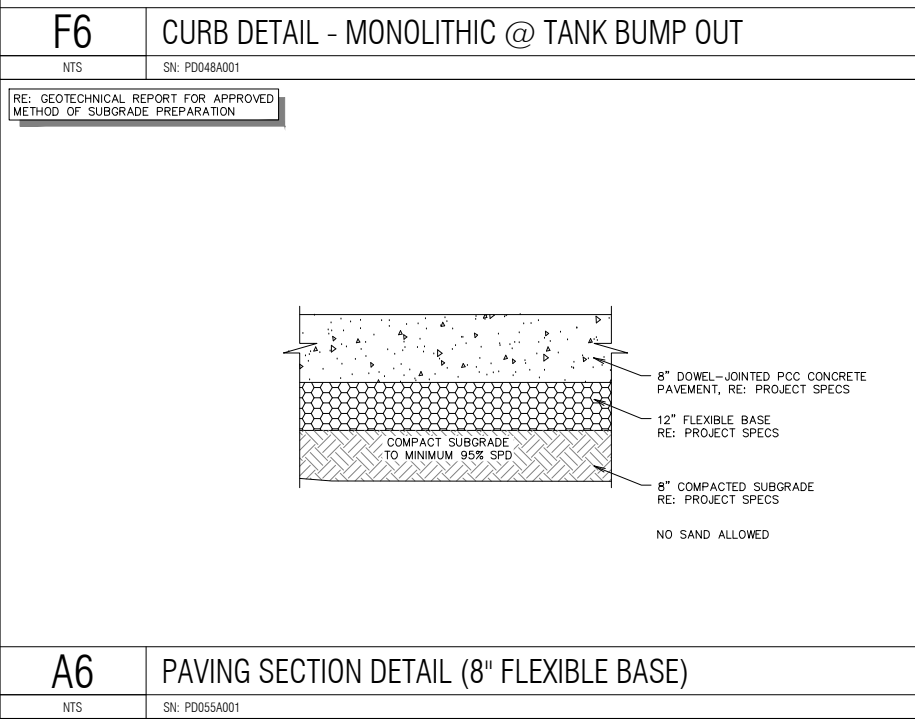
**F11** SIDEWALK SECTION - PRIVATE

NTS SN: PD057A001



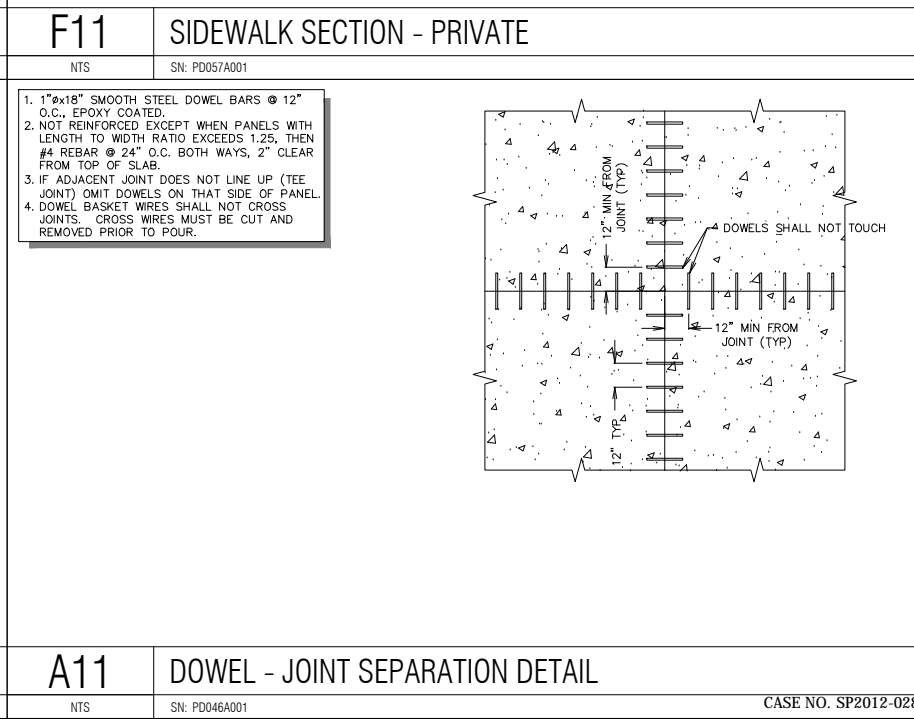
**A1** DELINEATED CROSSWALK JOINTING SECTION DETAIL

NTS SN: PD050A001



**A6** PAVING SECTION DETAIL (8" FLEXIBLE BASE)

NTS SN: PD055A001



**A11** DOWEL - JOINT SEPARATION DETAIL

NTS SN: PD046A001

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #8844 ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE ENGINEER OR ENGINEER-IN-CHARGE IS A VIOLATION OF THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLLAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:

VERSION: 001

DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

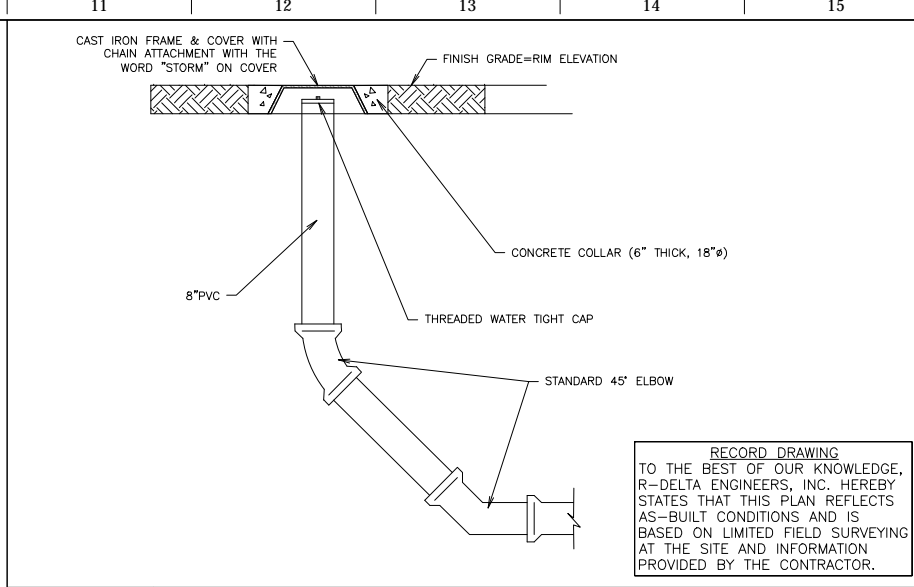
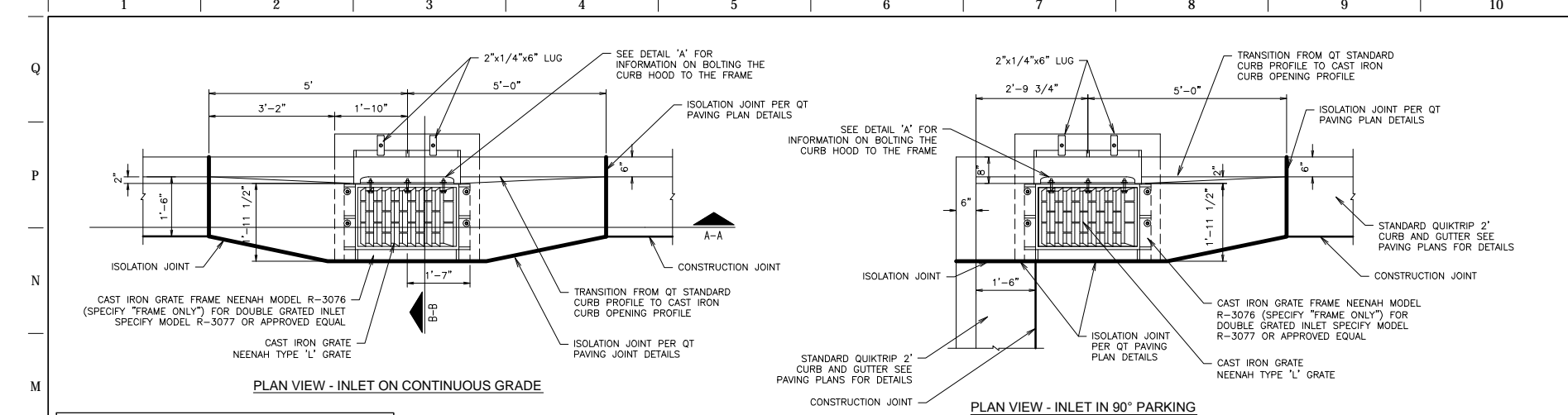
SHEET TITLE:

PAVING DETAILS

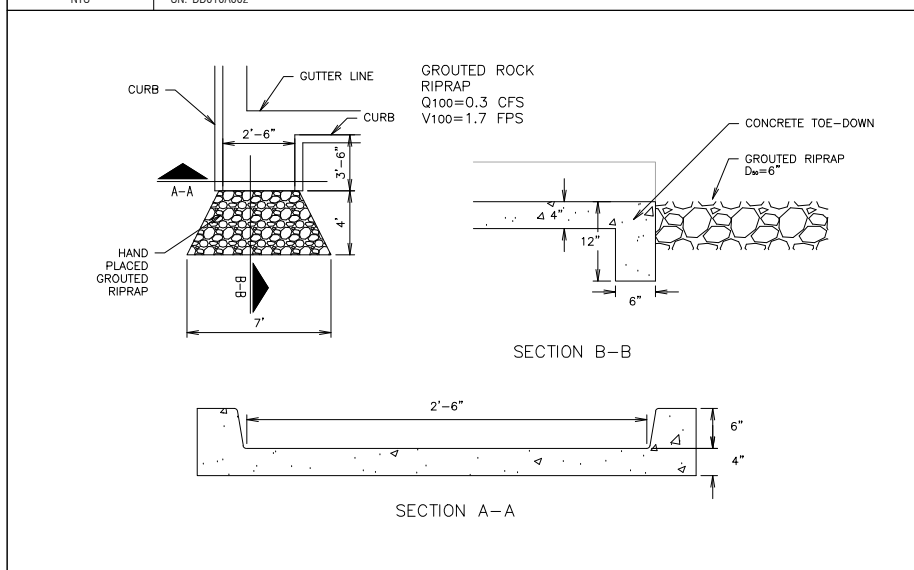
SHEET NUMBER:

**C523**

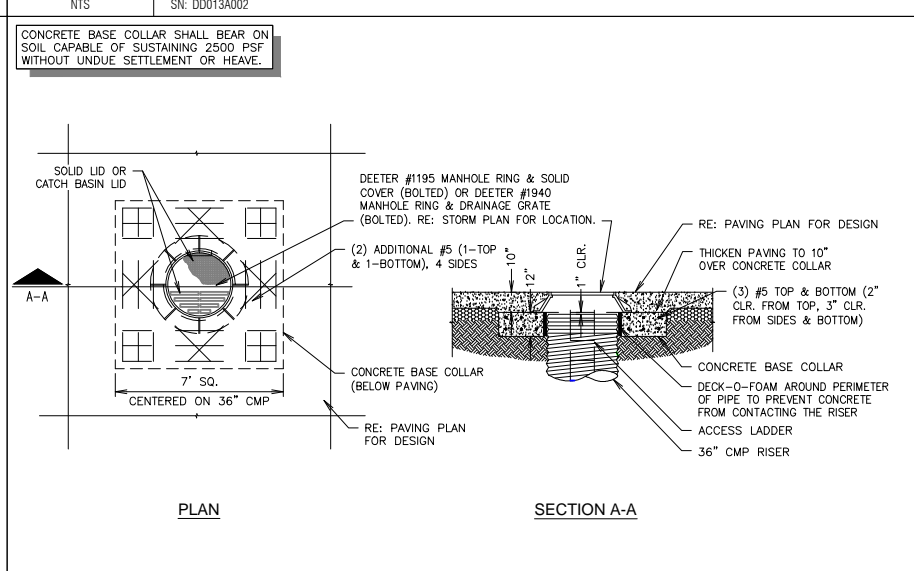
CASE NO. SP2012-028



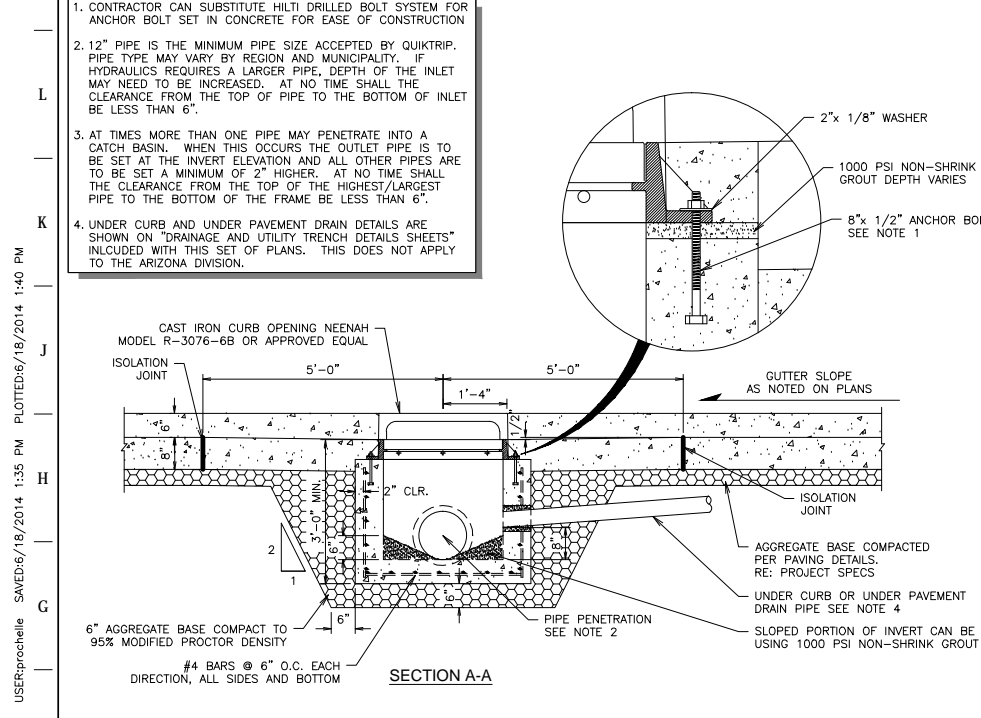
**L11 SD CLEANOUT - PRIVATE**  
NTS SN: DD01A002



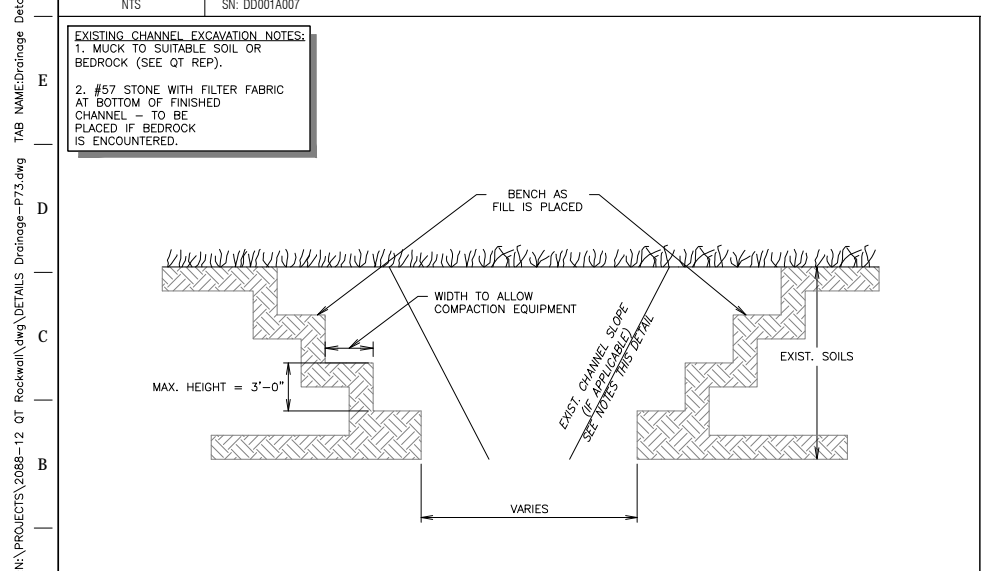
**F11 2'-6" CURB OPENING**  
NTS SN: DD013A002



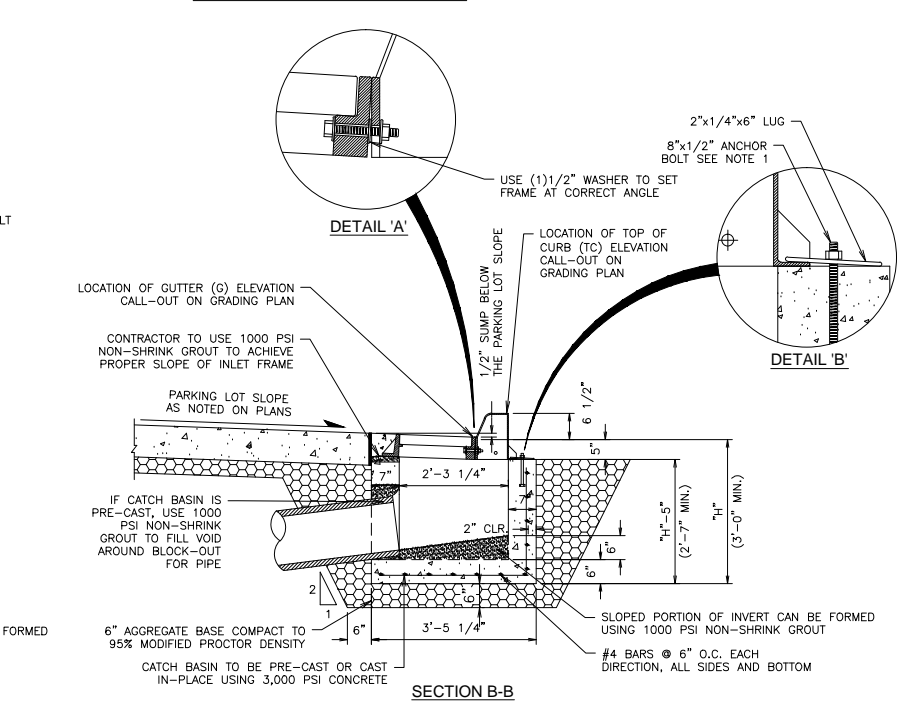
**A11 DETENTION STRUCTURE RISER IN PAVEMENT DETAIL**  
NTS SN: DD024A002 CASE NO. SP2012-028



**F1 CATCH BASIN INLET DETAIL (SINGLE) - PRIVATE**  
NTS SN: DD001A007



**A1 EXCAVATION BENCHING DETAIL**  
NTS SN: TD014A002

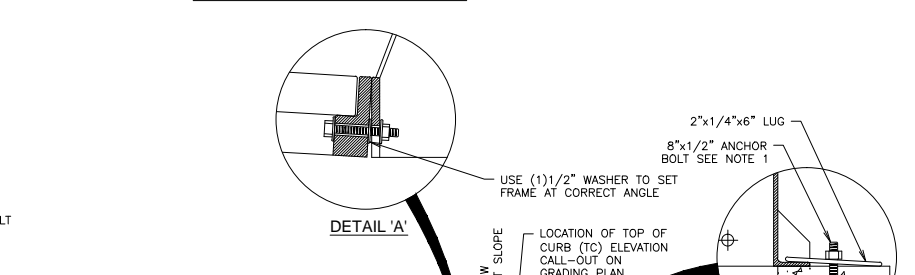
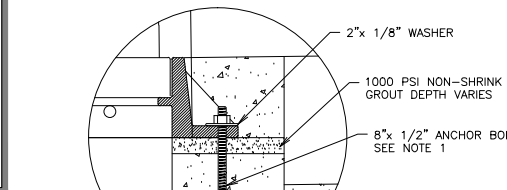


**F11 2'-6" CURB OPENING**  
NTS SN: DD013A002

"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."

**A6 NOT USED**  
NTS SN:

- CONTRACTOR CAN SUBSTITUTE HILTI DRILLED BOLT SYSTEM FOR ANCHOR BOLT SET IN CONCRETE FOR EASE OF CONSTRUCTION
- 12" PIPE IS THE MINIMUM PIPE SIZE ACCEPTED BY QUIKTRIP. PIPE TYPE MAY VARY BY REGION AND MUNICIPALITY. IF HYDRAULICS REQUIRES A LARGER PIPE, DEPTH OF THE INLET MAY NEED TO BE INCREASED. AT NO TIME SHALL THE CLEARANCE FROM THE TOP OF PIPE TO THE BOTTOM OF INLET BE LESS THAN 6".
- AT TIMES MORE THAN ONE PIPE MAY PENETRATE INTO A CATCH BASIN. WHEN THIS OCCURS THE OUTLET PIPE IS TO BE SET AT THE INVERT ELEVATION AND ALL OTHER PIPES ARE TO BE SET A MINIMUM OF 2" HIGHER. AT NO TIME SHALL THE CLEARANCE FROM THE TOP OF THE HIGHEST/LARGEST PIPE TO THE BOTTOM OF THE FRAME BE LESS THAN 6".
- UNDER CURB AND UNDER PAVEMENT DRAIN DETAILS ARE SHOWN ON "DRAINAGE AND UTILITY TRENCH DETAILS SHEETS" INCLUDED WITH THIS SET OF PLANS. THIS DOES NOT APPLY TO THE ARIZONA DIVISION.



RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. AS A SEAL ON BEHALF OF A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**rdelta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLLAD AND I-30  
ROCKWALL, TX.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)
DIVISION:
VERSION: 001
DESIGNED BY:
DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

SHEET TITLE:  
**DRAINAGE DETAILS**

SHEET NUMBER:  
**C540**

CASE NO. SP2012-028

FILE LOCATION: PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Drainage-P73.dwg TAB NAME: Drainage Detail Sheet 1 USER: rprochele SAVED: 06/18/2014 1:35 PM PLOTTED: 06/18/2014 1:40 PM



FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Drainage-P73.dwg TAB NAME:Drainage Detail Sheet 2 USER:prochele PLOTTED:6/18/2014 1:40 PM

**RECOMMENDED MINIMUM TRENCH WIDTHS**

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

**MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

PIPE DIAM.	H-25 SURFACE LIVE LOADING CONDITION	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
54" - 60"	24"	60"

**MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS**

PIPE DIAM.	COOPER E-80**
UP TO 24"	24"
30"-36"	36"
42"-60"	48"

**NOTES:**

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

**TYPICAL TRENCH DETAIL**

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED E-80 INFORMATION	TJR	08/20/07	
REV.		MM/DD/YY		CHKD

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

**PROJECT NOTES:**

- ASTM D2321 CLASS I MATERIAL SHALL BE REQUIRED FOR ALL BEDDING & INITIAL BACKFILL. INITIAL BACKFILL SHALL EXTEND A MINIMUM OF 12" ABOVE TOP OF PIPES.
- FILTER FABRIC SHALL BE REQUIRED BETWEEN THE NATIVE SOIL AND CLASS I MATERIAL FOR THE DETENTION SYSTEM.

**NOTES:**

- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
- MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
- FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

**TYPICAL RISE/DET CROSS SECTION DETAIL**

NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "S"	TYPICAL SPACING "C"	TYPICAL SIDE WALL "X"	H (NON-TRAFFIC)	H (TRAFFIC)
12"	14.5"	11"	25.4"	8"	12"	12"
(300 MM)	(368 MM)	(279 MM)	(645 MM)	(203 MM)	(292 MM)	(292 MM)
15"	18"	12"	28.9"	8"	12"	12"
(375 MM)	(457 MM)	(292 MM)	(734 MM)	(203 MM)	(292 MM)	(292 MM)
18"	21"	17"	33.9"	9"	12"	12"
(450 MM)	(533 MM)	(434 MM)	(862 MM)	(229 MM)	(292 MM)	(292 MM)
24"	28"	13"	40.7"	10"	12"	12"
(600 MM)	(711 MM)	(330 MM)	(1034 MM)	(254 MM)	(292 MM)	(292 MM)
30"	36"	18"	53.1"	18"	12"	12"
(750 MM)	(914 MM)	(457 MM)	(1347 MM)	(457 MM)	(292 MM)	(292 MM)
36"	42"	22"	63"	18"	12"	12"
(900 MM)	(1067 MM)	(559 MM)	(1600 MM)	(457 MM)	(292 MM)	(292 MM)
42"	48"	24"	71.9"	18"	12"	24"
(1050 MM)	(1219 MM)	(610 MM)	(1828 MM)	(457 MM)	(292 MM)	(610 MM)
48"	54"	25"	73.5"	18"	12"	24"
(1200 MM)	(1372 MM)	(635 MM)	(1894 MM)	(457 MM)	(292 MM)	(610 MM)
60"	67"	24"	80"	18"	12"	24"
(1500 MM)	(1702 MM)	(610 MM)	(2296 MM)	(457 MM)	(292 MM)	(610 MM)

**TYPICAL RISE/DET CROSS SECTION DETAIL**

REV.	DESCRIPTION	BY	DATE	CHKD
2	REVISED 18" SPACING	TJR	01/05/09	CKS
REV.		MM/DD/YY		CHKD

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

**12"-60" N-12 HP STORM WATERSTOP GROUDED MANHOLE CONNECTION (DUAL WALL)**

**INSTALLATION RECOMMENDATIONS ARE ALSO SPECIFIED IN INSTALLATION GUIDE 1.05: WATERSTOP INSTALLATION**

PIPE SIZE (IN)	PIPE OD (IN)	1/2" MIN. HOLE Ø (IN)	18" MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT (IN)	MANUFACTURER'S PRODUCT CODE
12	14.5	19.50	3.7	1202PS
15	17.8	23.00	4.0	1502PS
18	21.2	26.50	4.2	1802PS
24	27.8	33.25	4.5	2402PS
30	35.1	40.50	5.2	3002PS
36	41.1	47.00	5.5	3602PS
42	47.7	53.00	5.7	4202PS
48	53.6	59.00	5.7	4802PS
60	66.3	72.00	6.4	6002PS

**TYPICAL RISE/DET RISE/CLEAN-OUT DETAIL**

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED R/F FITTINGS NOTE	TJR	07/05/08	CKS
REV.		MM/DD/YY		CHKD

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

**PROJECT NOTES:**

- ASTM D2321 CLASS I MATERIAL SHALL BE REQUIRED FOR ALL BEDDING & INITIAL BACKFILL. INITIAL BACKFILL SHALL EXTEND A MINIMUM OF 12" ABOVE TOP OF PIPES.
- FILTER FABRIC SHALL BE REQUIRED BETWEEN THE NATIVE SOIL AND CLASS I MATERIAL FOR THE DETENTION SYSTEM.

**TYPICAL RISE/DET RISE/CLEAN-OUT DETAIL**

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED R/F FITTINGS NOTE	TJR	07/05/08	CKS
REV.		MM/DD/YY		CHKD

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. ASHRAE ON BEHALF OF A REVISION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.delta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLLARD AND I-30  
ROCKWALL, TX.

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

NOTE: THIS DOCUMENT CONSISTS OF STANDARD CONSTRUCTION DETAILS THIS PROFESSIONAL ENGINEER HAS REVIEWED FOR THEIR APPLICABILITY AND SELECTED FOR USE ON THIS PROJECT. THE ORIGINAL DOCUMENTS ARE PUBLISHED BY THE ENTITY NOTED.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
DIVISION:  
VERSION: 001  
DESIGNED BY:  
DRAWN BY: KSR  
REVIEWED BY:

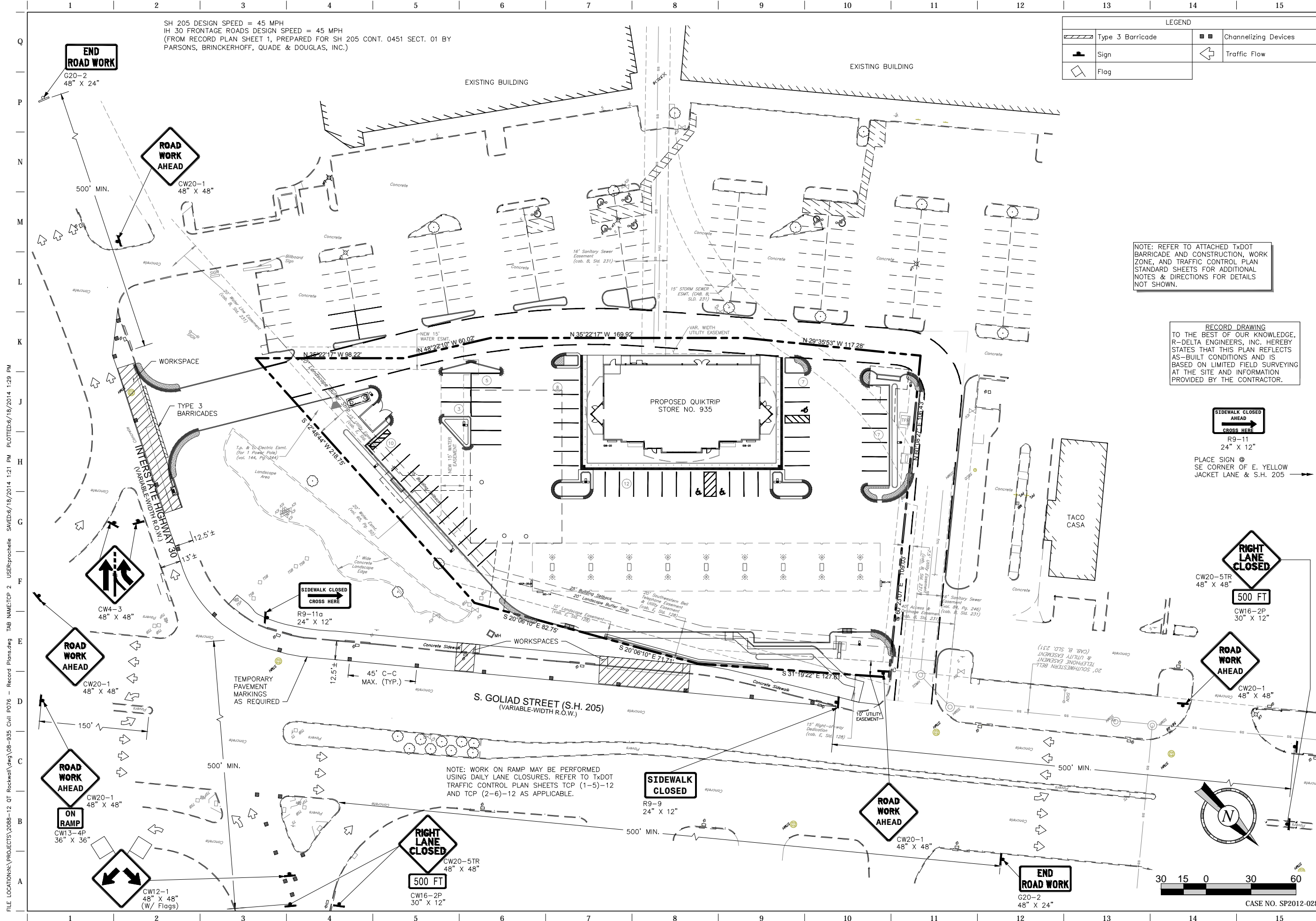
REV. DATE DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
DRAINAGE DETAILS

SHEET NUMBER:  
C541

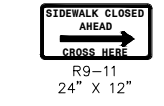
CASE NO. SP2012-028



LEGEND			
	Type 3 Barricade		Channelizing Devices
	Sign		Traffic Flow
	Flag		

NOTE: REFER TO ATTACHED TxDOT BARRICADE AND CONSTRUCTION, WORK ZONE, AND TRAFFIC CONTROL PLAN STANDARD SHEETS FOR ADDITIONAL NOTES & DIRECTIONS FOR DETAILS NOT SHOWN.

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



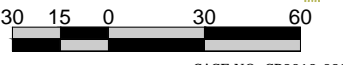
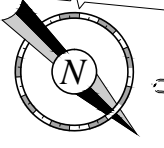
R9-11  
24" X 12"  
PLACE SIGN @ SE CORNER OF E. YELLOW JACKET LANE & S.H. 205



CW20-5TR  
48" X 48"  
500 FT



CW20-1  
48" X 48"



CASE NO. SP2012-028

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. ASHRAE ON 06-18-2014. ALTERATION OF THIS SEAL OR SEAL NUMBER WITHOUT PROPER NOTIFICATION IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF GOLIAD AND I-30  
ROCKWALL, TX.



PROTOTYPE:	P-72 (08/01/12)
DIVISION:	
VERSION:	001
DESIGNED BY:	
DRAWN BY:	KSR
REVIEWED BY:	

REV.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

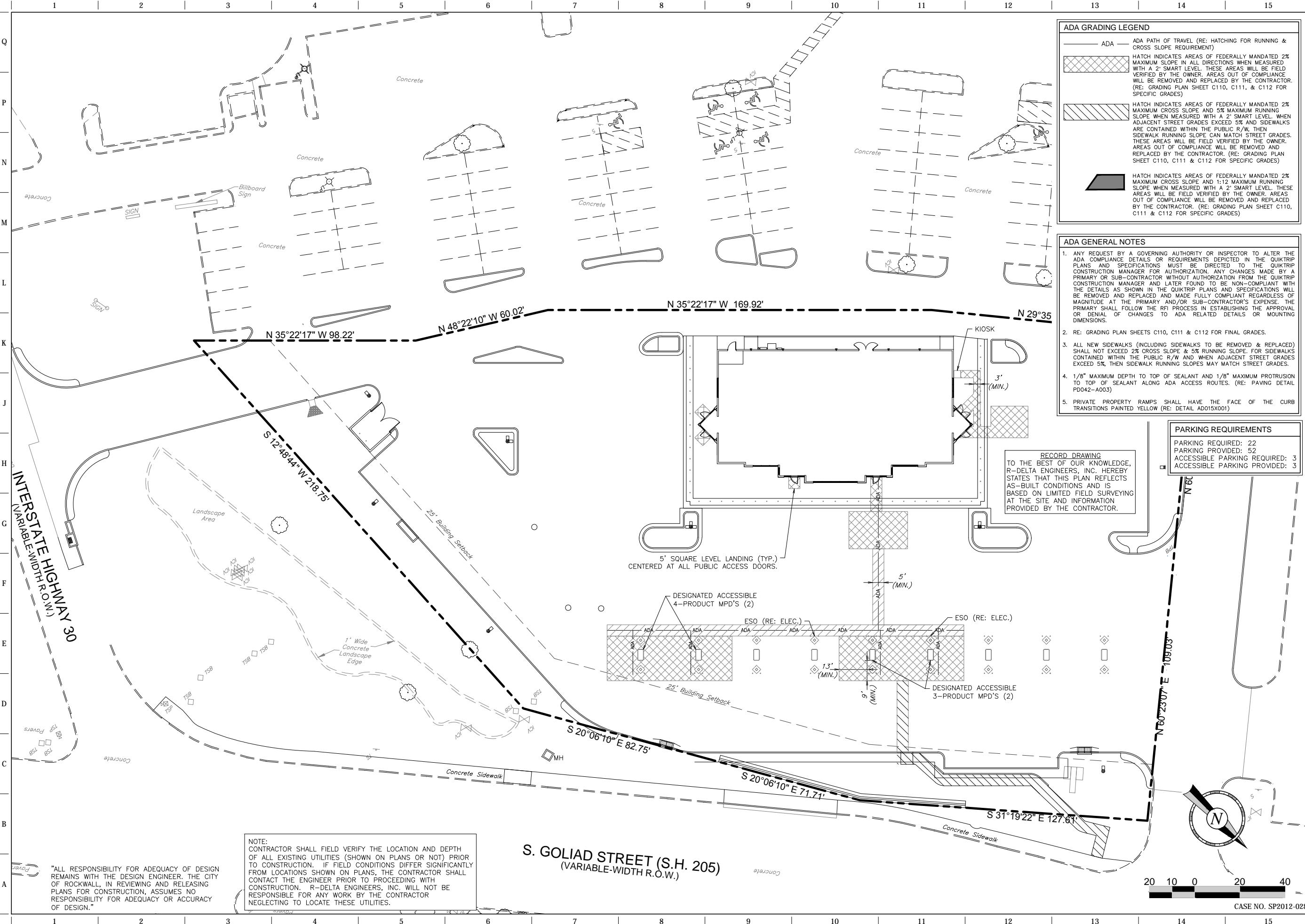
SHEET TITLE:  
TEMPORARY TRAFFIC CONTROL

SHEET NUMBER:  
C551

FILE LOCATION: PROJECTS\2088-12 QT Rockwall\dwg\08-935-Civil\_P076 - Record Plans.dwg TAB NAME: TCP 2 USER: pbroche SAVETIME: 6/18/2014 1:21:21 PM PLOTTED: 6/18/2014 1:29:23 PM



FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\ P076 - Record Plans.dwg TAB NAME: ADA USER: rproche SAVETIME: 6/18/2014 1:21 PM PLOTTED: 6/18/2014 1:30 PM



**ADA GRADING LEGEND**

- ADA — ADA PATH OF TRAVEL (RE: HATCHING FOR RUNNING & CROSS SLOPE REQUIREMENT)
- [Hatched Area] HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE IN ALL DIRECTIONS WHEN MEASURED WITH A 2" SMART LEVEL. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEET C110, C111, & C112 FOR SPECIFIC GRADES)
- [Hatched Area] HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM RUNNING SLOPE WHEN MEASURED WITH A 2" SMART LEVEL WHEN ADJACENT STREET GRADES EXCEED 5% AND SIDEWALKS ARE CONTAINED WITHIN THE PUBLIC R/W, THEN SIDEWALK RUNNING SLOPE CAN MATCH STREET GRADES. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEET C110, C111 & C112 FOR SPECIFIC GRADES)
- [Hatched Area] HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE AND 1:12 MAXIMUM RUNNING SLOPE WHEN MEASURED WITH A 2" SMART LEVEL. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEET C110, C111 & C112 FOR SPECIFIC GRADES)

- ADA GENERAL NOTES**
1. ANY REQUEST BY A GOVERNING AUTHORITY OR INSPECTOR TO ALTER THE ADA COMPLIANCE DETAILS OR REQUIREMENTS DEPICTED IN THE QUIKTRIP PLANS AND SPECIFICATIONS MUST BE DIRECTED TO THE QUIKTRIP CONSTRUCTION MANAGER FOR AUTHORIZATION. ANY CHANGES MADE BY A PRIMARY OR SUB-CONTRACTOR WITHOUT AUTHORIZATION FROM THE QUIKTRIP CONSTRUCTION MANAGER AND LATER FOUND TO BE NON-COMPLIANT WITH THE DETAILS AS SHOWN IN THE QUIKTRIP PLANS AND SPECIFICATIONS WILL BE REMOVED AND REPLACED AND MADE FULLY COMPLIANT REGARDLESS OF MAGNITUDE AT THE PRIMARY AND/OR SUB-CONTRACTOR'S EXPENSE. THE PRIMARY SHALL FOLLOW THE RFI PROCESS IN ESTABLISHING THE APPROVAL OR DENIAL OF CHANGES TO ADA RELATED DETAILS OR MOUNTING DIMENSIONS.
  2. RE: GRADING PLAN SHEETS C110, C111 & C112 FOR FINAL GRADES.
  3. ALL NEW SIDEWALKS (INCLUDING SIDEWALKS TO BE REMOVED & REPLACED) SHALL NOT EXCEED 2% CROSS SLOPE & 5% RUNNING SLOPE. FOR SIDEWALKS CONTAINED WITHIN THE PUBLIC R/W AND WHEN ADJACENT STREET GRADES EXCEED 5%, THEN SIDEWALK RUNNING SLOPES MAY MATCH STREET GRADES.
  4. 1/8" MAXIMUM DEPTH TO TOP OF SEALANT AND 1/8" MAXIMUM PROTRUSION TO TOP OF SEALANT ALONG ADA ACCESS ROUTES. (RE: PAVING DETAIL PD042-A003)
  5. PRIVATE PROPERTY RAMPS SHALL HAVE THE FACE OF THE CURB TRANSITIONS PAINTED YELLOW (RE: DETAIL AD015X001)

**PARKING REQUIREMENTS**

PARKING REQUIRED:	22
PARKING PROVIDED:	52
ACCESSIBLE PARKING REQUIRED:	3
ACCESSIBLE PARKING PROVIDED:	3

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE,  
R-DELTA ENGINEERS, INC. HEREBY  
STATES THAT THIS PLAN REFLECTS  
AS-BUILT CONDITIONS AND IS  
BASED ON LIMITED FIELD SURVEYING  
AT THE SITE AND INFORMATION  
PROVIDED BY THE CONTRACTOR.

NOTE:  
CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH  
OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR  
TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY  
FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL  
CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH  
CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE  
RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR  
NEGLECTING TO LOCATE THESE UTILITIES.

"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

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF GOLIAD AND I-30  
ROCKWALL, TX.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION,  
PUBLICATION, DISTRIBUTION, OR SALE IN  
WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:	
VERSION:	001
DESIGNED BY:	
DRAWN BY:	KSR
REVIEWED BY:	

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
ADA COMPLIANCE  
REFERENCE PLAN

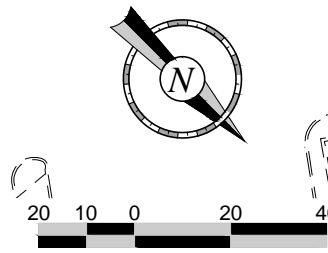
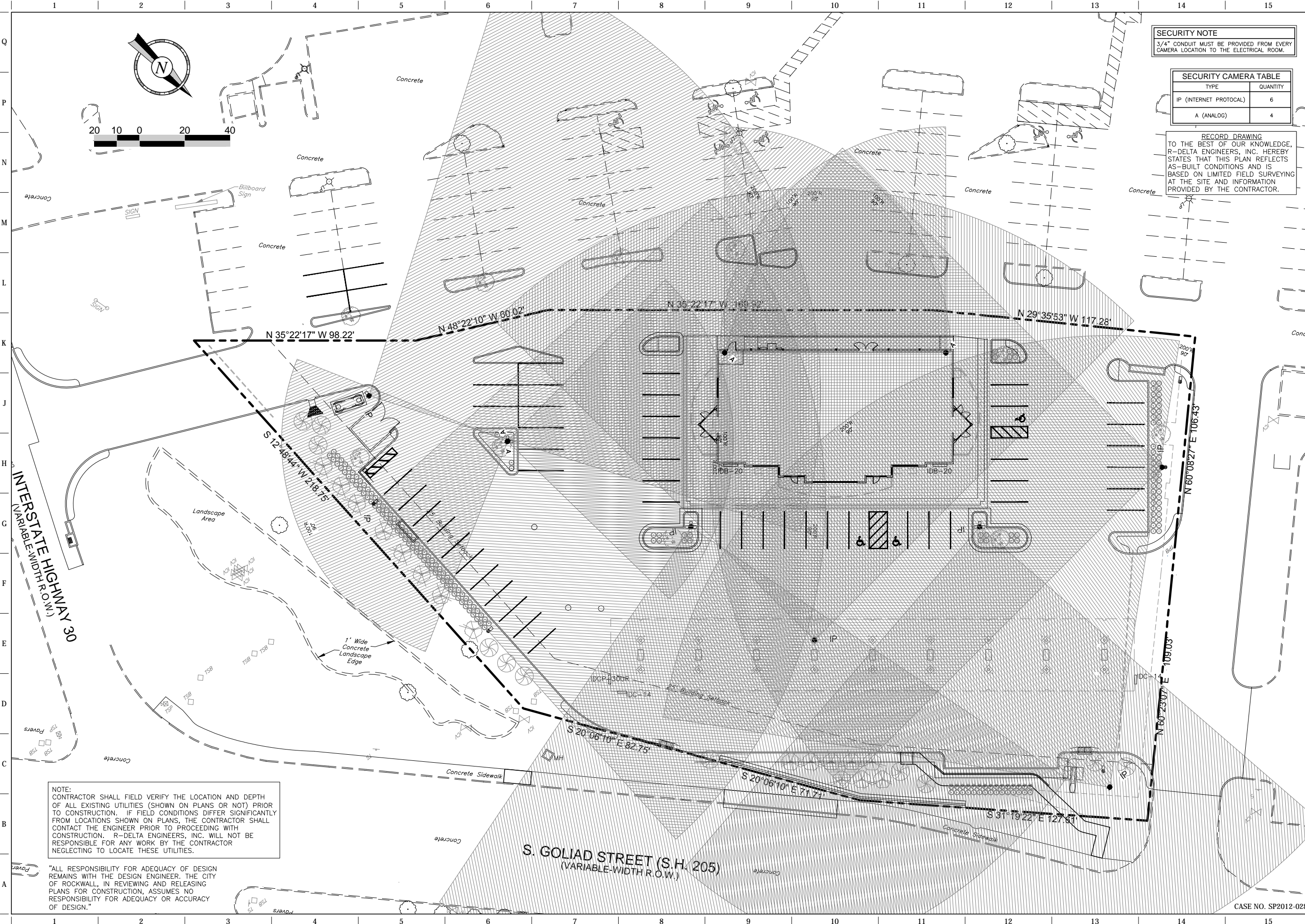
SHEET NUMBER:  
CD113

CASE NO. SP2012-028





FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\076 - Record Plans.dwg TAB NAME: Security USER: prochiele SAVED: 6/18/2014 1:21 PM PLOTTED: 6/18/2014 1:30 PM



**SECURITY NOTE**  
 3/4" CONDUIT MUST BE PROVIDED FROM EVERY CAMERA LOCATION TO THE ELECTRICAL ROOM.

SECURITY CAMERA TABLE	
TYPE	QUANTITY
IP (INTERNET PROTOCOL)	6
A (ANALOG)	4

**RECORD DRAWING**  
 TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

**THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. ASHRAE ON 06-18-2014. ALL REPRODUCTION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.**

PROJECT NO.: 2088-12

**r.d. delta**  
 ENGINEERS  
 618 MAIN STREET  
 GARLAND, TEXAS 75040  
 Phone: (972) 494-5031  
 Fax: (972) 487-2270  
 www.rdelta.com  
 TBPE Firm No. F-001515

**QuikTrip No. 0935**  
 NWC OF GOLIAD AND I-30  
 ROCKWALL, TX.

**QT**

© COPYRIGHT QUIKTRIP CORPORATION 2011  
 ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)
DIVISION: 001
DESIGNED BY: KSR
DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

SHEET TITLE:  
**SECURITY PLAN**

SHEET NUMBER:  
**CD170**

**NOTE:**  
 CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. WILL NOT BE RESPONSIBLE FOR ANY WORK BY THE CONTRACTOR NEGLECTING TO LOCATE THESE UTILITIES.

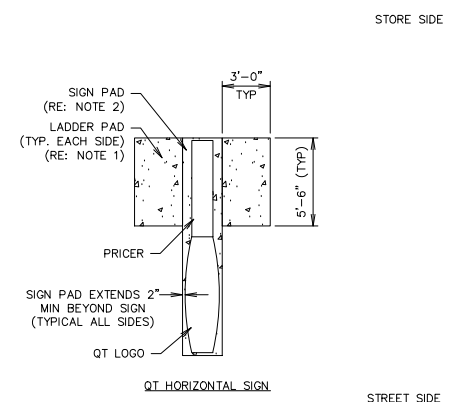
"ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN."

CASE NO. SP2012-028



FILE LOCATION: N:\PROJECTS\20888-12 QT Rockwall\dwg\DETAILS Misc. Site-P73.dwg TAB NAME: SITE DETAIL SHEET 2 USER: pbrochele SAVED: 06/18/2014 2:20 PM PLOTTED: 06/18/2014 2:29 PM

- 4" THICK X 4000 P.S.I. CONCRETE LADDER PAD W/6"x6" 10 GA. W.W.F. PLACED LEVEL, MID-DEPTH (TYPICAL)
- 4" THICK X 4000 P.S.I. CONCRETE SIGN PAD W/6"x6" 10 GA. W.W.F. PLACED LEVEL, MID-DEPTH (TYPICAL)
- CAULK CONSTRUCTION JOINT BETWEEN SIGN AND LADDER PADS.
- FOR QT SIGN PAD PLACEMENT, RE: SITE PLAN FOR SITE SPECIFIC SIGNAGE.

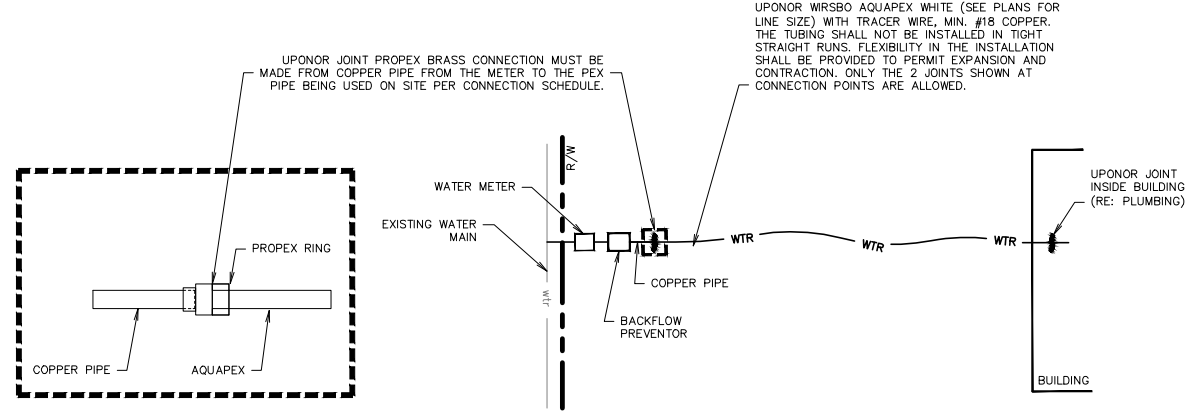


**L1** GEN III SIGN PAD DETAIL

NTS

SN: SD015A003

- ALL PIPE, JOINTS, AND ADAPTORS MUST BE STORED PER THE GUIDELINES LAID OUT IN UPONOR SPECIFICATIONS.
- PIPE BE STORED IN A FLAT, DRY, WELL VENTILATED LOCATION, NOT EXPOSED TO DIRECT SUNLIGHT. NORMAL CARE IN HANDLING SHALL BE EXERCISED TO AVOID ABUSE OF THE TUBING. THE TUBING AND FITTINGS SHALL NOT BE THROWN OR DROPPED ON THE GROUND, WALKED ON, OR DRAGGED.
- TUBING CONNECTION: ALL TUBING CONNECTIONS SHALL BE MADE STRICTLY PER THE MANUFACTURERS RECOMMENDATIONS.
- CONNECTION TO OTHER MATERIALS: CONNECTIONS BETWEEN CROSS-LINKED POLYETHYLENE PLASTIC TUBING AND OTHER PIPING MATERIALS SHALL BE BY USE OF APPROVED ADAPTER FITTINGS. ADAPTER FITTINGS SHALL BE CONNECTED BY NPT THREADS, COPPER TUBING, COPPER FITTING OR PROGRESS FITTINGS. THE ADAPTER FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- EXPANSION AND CONTRACTION: PROVISION SHALL BE TAKEN FOR THE EXPANSION AND CONTRACTION OF THE CROSSLINKED POLYETHYLENE PLASTIC TUBING INSTALLATION. THE TUBING SHALL NOT BE INSTALLED IN TIGHT STRAIGHT RUNS. FLEXIBILITY IN THE INSTALLATION SHALL BE PROVIDED TO PERMIT EXPANSION AND CONTRACTION.
- PIPE PROTECTION: CROSSLINKED POLYETHYLENE PLASTIC TUBING SHALL BE INSTALLED IN A WORKMANLIKE MANNER TO AVOID DAMAGE TO THE TUBING AND SURROUNDING BUILDING SYSTEMS. CROSSLINKED POLYETHYLENE PLASTIC TUBING SHALL BE PROTECTED TO AVOID ABRASION AND CONTACT WITH THE SURROUNDING BUILDING MATERIAL.
- PIPING IDENTIFICATION: CROSSLINKED POLYETHYLENE PLASTIC PIPING SYSTEMS FOR HOT AND COLD WATER DISTRIBUTION SHALL HAVE THE MARKINGS THAT CONFORM TO THE ASTM F876 MARKING REQUIREMENTS AND ALSO INCLUDE: NSF-PW, ES ER 5944 ES ER 5945 ES ER 5421.
- CONNECTION SCHEDULE:
  - PROPEX FITTING # Q 4502020 2" PEX x 2" COPPER FITTING
  - PROPEX FITTING # Q 4512020 2" PEX x 2" COPPER PIPE
  - PROPEX FITTING # G 4501515 1.5" PEX x 1.5" COPPER FITTING
  - PROPEX FITTING # G 4511515 1.5" PEX x 1.5" COPPER PIPE



**F1** PEX DETAIL - WATER METER & BFP @ STREET

NTS

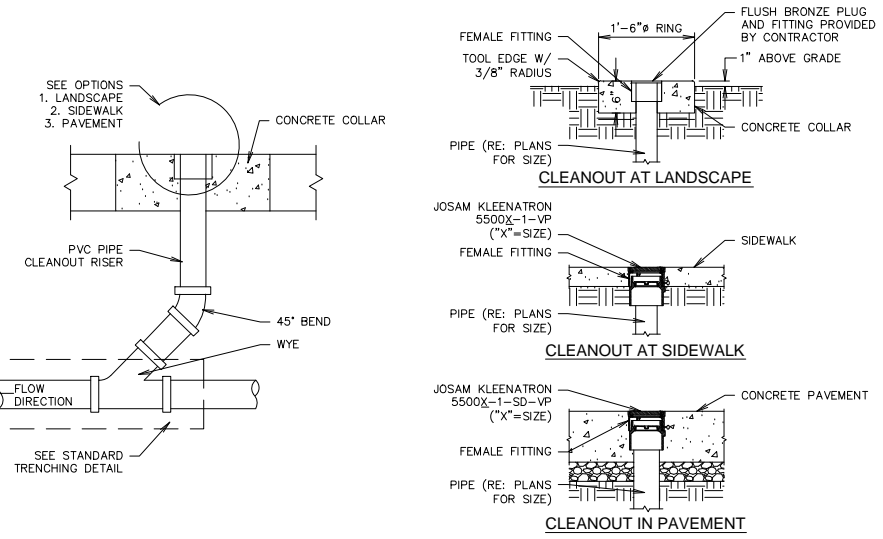
SN: SD023A001

"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."

**A1** NOT USED

NTS

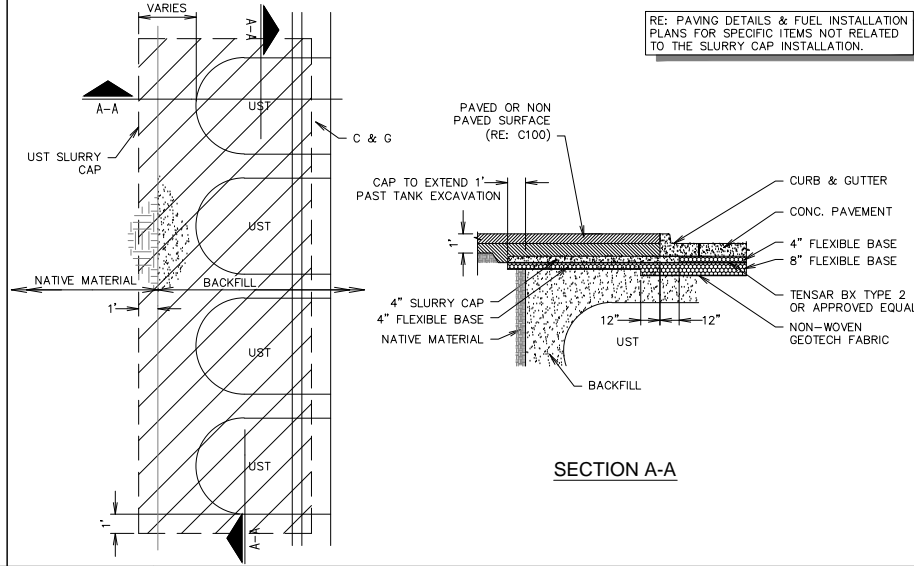
SN:



**A6** CLEANOUT SECTION DETAIL

NTS

SN: SD016A005

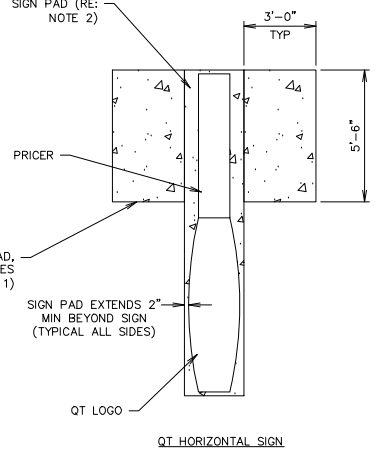


**L11** UNDERGROUND STORAGE TANK (UST) SLURRY CAP DETAIL

NTS

SN: SD020A002

- 4" THICK X 4000 P.S.I. CONCRETE LIGHT PAD W/6"x6" 10 GA. W.W.F. PLACED LEVEL, MID-DEPTH (TYPICAL)
- 4" THICK X 4000 P.S.I. CONCRETE SIGN PAD W/6"x6" 10 GA. W.W.F. PLACED LEVEL, MID-DEPTH (TYPICAL)
- CAULK CONSTRUCTION JOINT BETWEEN SIGN AND LIGHT PADS.
- FOR QT SIGN PAD PLACEMENT, RE: SITE PLAN FOR SITE SPECIFIC SIGNAGE.



**F11** GEN III HORIZONTAL SIGN-EXTERNAL LIGHT PAD DETAIL

NTS

SN: SD025A001

RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

**A11** NOT USED

NTS

SN:

CASE NO. SP2012-028

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. AS A RESULT OF HIS EXAMINATION AND RELEASING OF THIS DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLLAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)
DIVISION:
VERSION: 001
DESIGNED BY:
DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

SHEET TITLE:  
MISC. SITE DETAILS

SHEET NUMBER:  
**CD501**

ORIGINAL ISSUE DATE: 06/18/14





FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Trenching-073.dwg TAB NAME: Trenching Detail Sheet 1 USER: prochelle SAVED: 06/18/2014 1:34 PM PLOTTED: 06/18/2014 1:41 PM

Q											<p>"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."</p>				
P															
N															
M											<p>RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.</p>				
L	<p><b>L1</b> NOT USED NTS SN:</p>					<p><b>L6</b> NOT USED NTS SN:</p>					<p><b>L11</b> NOT USED NTS SN:</p>				

K					
J					
H					
G					
F	<p><b>F1</b> NOT USED NTS SN:</p>				

K	<p>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL. ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE - RE: PLAN SHEETS RE: PROJECT SPECS FOR GRADATION TABLE.</p>				
J					
H	<p>FOR AGGREGATE BASE THICKNESS, RE: PAVING SECTION DETAIL "PD055A001"</p>				
G	<p>BACKFILL WITH AGGREGATE BASE IN 8" LIFTS WITH VIBRATING TAMPER COMPACT TO 95% SPD</p>				
F	<p>CONDUIT(S)</p>				
F	<p><b>F6</b> 1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (PAVED) NTS SN: TD005A004</p>				

K	<p>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL. MIN. DRAIN PIPE CLEARANCE MAY BEGIN @ 1'-0" FROM T.O.P. TO FINISH GRADE IF CONDITIONS WARRANT DUE TO GRADES, ROCK, ETC. RE: PROJECT SPECS FOR GRADATION TABLE.</p>				
J					
H	<p>FOR AGGREGATE BASE THICKNESS, RE: PAVING SECTION DETAIL "PD055A001"</p>				
G	<p>BACKFILL WITH AGGREGATE BASE IN 8" LIFTS WITH VIBRATING TAMPER COMPACT TO 95% SPD</p>				
F	<p>PRIVATE</p>				
F	<p><b>F11</b> BUILDING OR CANOPY DRAINAGE TRENCH SECTION (PAVED) NTS SN: TD006A004</p>				

E	<p>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT. MIN. DRAIN PIPE CLEARANCE MAY BEGIN @ 1'-0" FROM T.O.P. TO FINISH GRADE IF CONDITIONS WARRANT DUE TO GRADES, ROCK, ETC. UNDER PAVEMENT, CURB, &amp; FRENCH DRAIN PIPE MUST BE TAKEN TO STORM STRUCTURE, OR TO SURFACE DRAINAGE SWALE. SEE GRADING PLAN FOR LOCATION BEFORE TRANSITION TO NON PAVED TRENCH SECTION.</p>				
D					
C	<p>BACKFILL WITH TRENCH MATERIAL COMPACT TO 95% SPD</p>				
B	<p>PRIVATE</p>				
A	<p><b>A1</b> BUILDING OR CANOPY DRAINAGE TRENCH SECTION (NON PAVED) NTS SN: TD007A002</p>				

E	<p>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT. ALL COPPER PIPING SHALL BE TYPE K WRAPPED IN 3M VINYL TAPE FROM THE BUILDING TO THE METER. ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE - RE: PLAN SHEETS</p>				
D					
C	<p>BACKFILL WITH TRENCH MATERIAL COMPACT TO 95% SPD</p>				
B	<p>PRIVATE</p>				
A	<p><b>A6</b> ON-SITE WATER LINE TRENCH SECTION (NON PAVED) NTS SN: TD008A002</p>				

E	<p>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL. ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE - RE: PLAN SHEETS RE: PROJECT SPECS FOR GRADATION TABLE. IF CONDUITS ARE TO BE STACKED, UPPERMOST CONDUIT TO REMAIN MIN. OF 4'-0" BELOW GRADE WITH MIN. 12" VERTICAL CLEARANCE BETWEEN CONDUITS</p>				
D					
C	<p>FOR AGGREGATE BASE THICKNESS, RE: PAVING SECTION DETAIL "PD055(A)001"</p>				
B	<p>BACKFILL WITH AGGREGATE BASE IN 8" LIFTS WITH VIBRATING TAMPER COMPACT TO 95% SPD.</p>				
A	<p>PRIVATE</p>				
A	<p><b>A11</b> PRIMARY ELECTRICAL &amp; TELEPHONE CONDUIT TRENCH SECTION (PAVED) NTS SN: TD010A004 CASE NO. SP2012-028</p>				

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #10884 ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**  
NWC OF COLLAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:	
VERSION:	001
DESIGNED BY:	
DRAWN BY:	KSR
REVIEWED BY:	

REV	DATE	DESCRIPTION

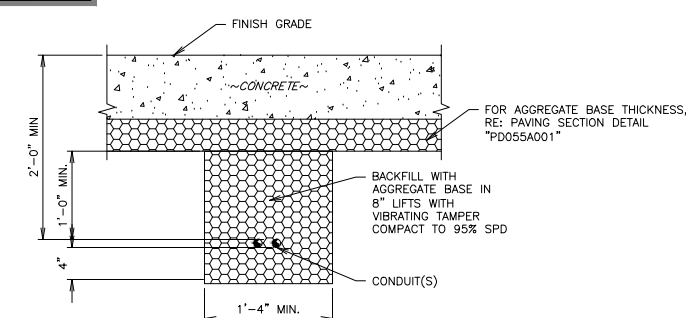
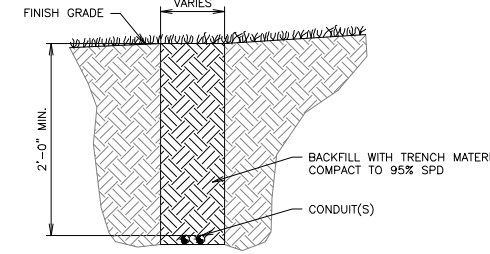
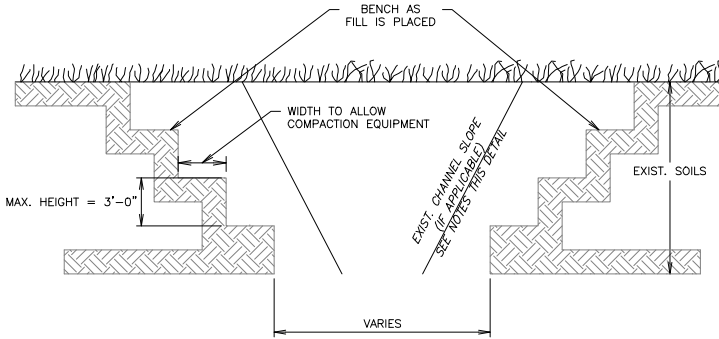
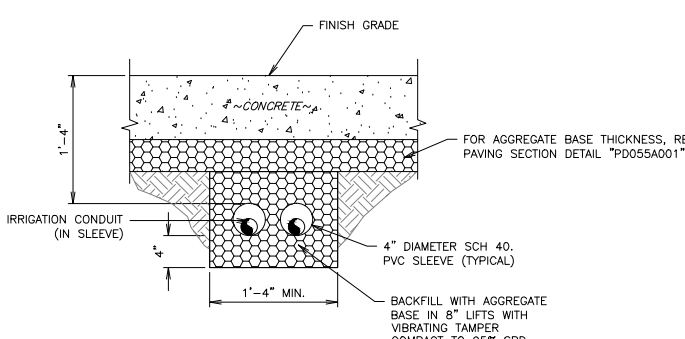
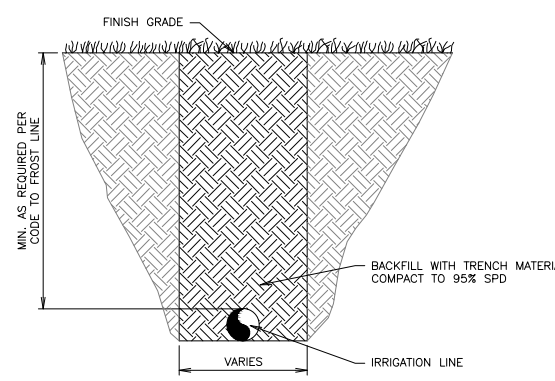
ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
TRENCHING DETAILS


SHEET NUMBER:  
**CD530**



FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Trenching-P73.dwg TAB NAME: Trenching Details Sheet 2 USER: rprochelle SAVED: 06/18/2014 1:41 PM PLOTTED: 06/18/2014 1:41 PM

<p>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL.</p> <p>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE - RE: PLAN SHEETS</p> <p>RE: PROJECT SPECS FOR GRADATION TABLE.</p> 	<p>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</p> <p>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE - RE: PLAN SHEETS</p> 	
<p><b>L1</b> NOT USED</p> <p>NTS SN:</p>	<p><b>L6</b> 1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (PAVED)</p> <p>NTS SN: TD005A004</p>	<p><b>L11</b> 1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (UNPAVED)</p> <p>NTS SN: TD013A003</p>
<p>EXISTING CHANNEL EXCAVATION NOTES:</p> <ol style="list-style-type: none"> <li>MUCK TO SUITABLE SOIL OR BEDROCK (SEE QT REP).</li> <li>#57 STONE WITH FILTER FABRIC AT BOTTOM OF FINISHED CHANNEL - TO BE PLACED IF BEDROCK IS ENCOUNTERED.</li> </ol> 	<p>EXTEND THIS SECTION 5' BEYOND BACK OF CURB (OUTSIDE EDGE OF DRIVE)</p> <p>RE: PROJECT SPECS FOR GRADATION TABLE.</p> 	<p>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</p> 
<p><b>F1</b> EXCAVATION BENCHING DETAIL</p> <p>NTS SN: TD014A002</p>	<p><b>F6</b> TYPICAL IRRIGATION PIPING TRENCH SECTION (PAVED)</p> <p>NTS SN: TD015A004</p>	<p><b>F11</b> TYPICAL IRRIGATION PIPING TRENCH SECTION (NON PAVED)</p> <p>NTS SN: TD016A002</p>
<p><b>A1</b> NOT USED</p> <p>NTS SN:</p>	<p><b>A6</b> NOT USED</p> <p>NTS SN:</p>	<p><b>A11</b> NOT USED</p> <p>NTS SN:</p> <p>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.</p> <p>CASE NO. SP2012-028</p>

RECORD DRAWING



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #8844 ON 06-18-2014. ALTERATION OF A SEAL DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.


PROJECT NO.: 2088-12

**r.d. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLIAD AND I-30  
ROCKWALL, TX.



© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)
DIVISION:
VERSION: 001
DESIGNED BY:
DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
TRENCHING DETAILS

SHEET NUMBER:  
CD531


LANDSCAPE REQUIREMENTS	
REQUIRED ORDINANCE	PROVIDED
(3) THREE CANOPY TREES, ALONG WITH (4) FOUR ACCENT TREES SHALL BE REQUIRED PER 100 FEET OF THE IH-30 RIGHT-OF-WAY AS SET OUT BELOW. CANOPY TREES ARE REQUIRED TO BE 4" IN CALIPER AT THE TIME OF PLANTING 1-30 = 218'/100 = 2 * 7 = 14 TREES	6 TREES 8 ACCENT
(3) THREE CANOPY TREES, ALONG WITH (4) FOUR ACCENT TREES SHALL BE REQUIRED PER 100 FEET OF THE S.H. 205 RIGHT-OF-WAY AS SET OUT BELOW. CANOPY TREES ARE REQUIRED TO BE 4" IN CALIPER AT THE TIME OF PLANTING SOUTH GOLIAD STREET = 282'/100=2*7 = 14 TREES	6 TREES 8 ACCENT
(1) ONE LARGE CANOPY TREE FOR EVERY TEN REQUIRED PARKING SPACES SHALL BE REQUIRED INTERNAL TO THE PARKING LOT. 52/10 = 5 TREES NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE. NO TREE SHALL BE PLANTED CLOSER THAN 2 1/2 FEET TO THE PAVEMENT. ALL TREES MUST BE INTERNAL TO THE PARKING LOT.	6 TREES PROVIDED PROVIDED PROVIDED

LANDSCAPE REQUIREMENTS	
REQUIRED ORDINANCE	PROVIDED
BUFFER-STRIP SHALL BE A MINIMUM OF 20 FEET WIDE AND INCLUDE A "BUILT-UP" BERM AND/OR SHRUBBERY OR A COMBINATION OF BOTH ALONG THE ENTIRE LENGTH OF THE SUBJECT PROPERTY'S FRONTAGE ALONG THE IH-30 AND S.H. 205 RIGHT-OF-WAYS THE MINIMUM REQUIRED HEIGHT OF THE AFOREMENTIONED BERM AND/OR SHRUBBERY OR A COMBINATION THEREOF IS 30 INCHES A MINIMUM TEN-FOOT-WIDE LANDSCAPE BUFFER-STRIP MUST BE PROVIDED ALONG THE ENTIRE LENGTH OF THE PORTION OF THE PERIMETER OF ANY COMMERCIAL OR INDUSTRIAL LOT THAT ABUTS, WITHOUT AN ALLEY OR DRIVE SEPARATION PARKING LOT LANDSCAPING REQUIREMENTS: ANY PARKING LOT WITH MORE THAN TWO ROWS OF SPACES SHALL HAVE A MINIMUM OF FIVE PERCENT OR 200 SQUARE FEET, WHICHEVER IS GREATER, IN THE INTERIOR OF THE PARKING LOT IN LANDSCAPING. SUCH LANDSCAPING SHALL BE COUNTED TOWARD THE TOTAL LANDSCAPING. 11,872 X .05 = 594 SF COMMERCIAL SITES REQUIRE 15% TOTAL SITE LANDSCAPING. 79,144 X .15 = 11,872	PROVIDED SHRUBS SHALL MEET 30" HEIGHT AT TIME OF PLANTING (BERMS NOT PROVIDED) 20' MIN. PROVIDED 715 SF PROVIDED 12,577 PROVIDED
CUSTOM QT HIGH RISE POLE SIGN, HR-12LP, 75'-0" HT X 11'-9" W X 171.35 SF WITH CORNICHE CAP & BRICK BASE. ADDITIONAL CONDUIT REQUIRED. SIGN LOCATION PROVIDES 15' MINIMUM FROM THE NEAREST CONDUCTOR TO THE EDGE OF POLE. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IF HE NEEDS TO DEVIATE FROM THAT MINIMUM DISTANCE.	

- NOTES:**
1. THE SITE WILL GENERALLY MEET THE IRRIGATION REQUIREMENTS STIPULATED IN THE UNIFIED DEVELOPMENT CODE.
  2. TREES MUST BE PLANTED FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.

Landscape Schedule					
USE	SYMBOL	COMMON NAME <i>Botanical Name</i>	MINIMUM SIZE/ HEIGHT/SPREAD	QUANTITIES	COMMENTS
SHRUBS	○	NEEDLE POINT HOLLY <i>Ilex Cornuta "Needle Point"</i>	24"Ø X 24" HT MIN	188 EA.	SEE LANDSCAPE PLAN AND ASSOCIATED DETAILS FOR LANDSCAPE BED LOCATIONS AND SHRUB SPACING
	○	TEXAS REDBUD <i>Cercis Canadensis Var. Texensis</i>	4" CALIPER (TOTAL) 12" HT	16 EA.	SEE LANDSCAPE PLAN AND ASSOCIATED DETAILS FOR TREE PLACEMENT, AND PLANTING SPECIFICATIONS
FRONTAGE TREES	○	TEXAS ASH <i>Fraxinus Texensis</i>	4" CALIPER 12" HT	10 EA.	CONTRACTOR TO VERIFY TREE TYPE, LOCATION, SIZE, HEIGHT, AND SPREAD WITH QT REPRESENTATIVE PRIOR TO INSTALLATION
	○	SHUMARD RED OAK <i>Quercus Shumardii (SOUTHERN VARIETY)</i>	4" CALIPER 12" HT	12 EA.	
MISC MISC	■	TIFWAY 419 BERMUDA SOD		11,629 S.F.	
	■	MULCH	4" DEPTH	914 S.F.	

RECORD DRAWING



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. ASHRAE ON BEHALF OF A PROFESSIONAL ENGINEER NOTING OPEN TO THE RESPONSIBILITY OF THE ENGINEER UNDER THE TEXAS ENGINEERING PRACTICE ACT.


PROJECT NO.: 2088-12

**rdelta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

**QuikTrip No. 0935**  
NWC OF GOLIAD AND I-30  
ROCKWALL, TX.



© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
DIVISION:  
VERSION: 001  
DESIGNED BY:  
DRAWN BY: KSR  
REVIEWED BY:

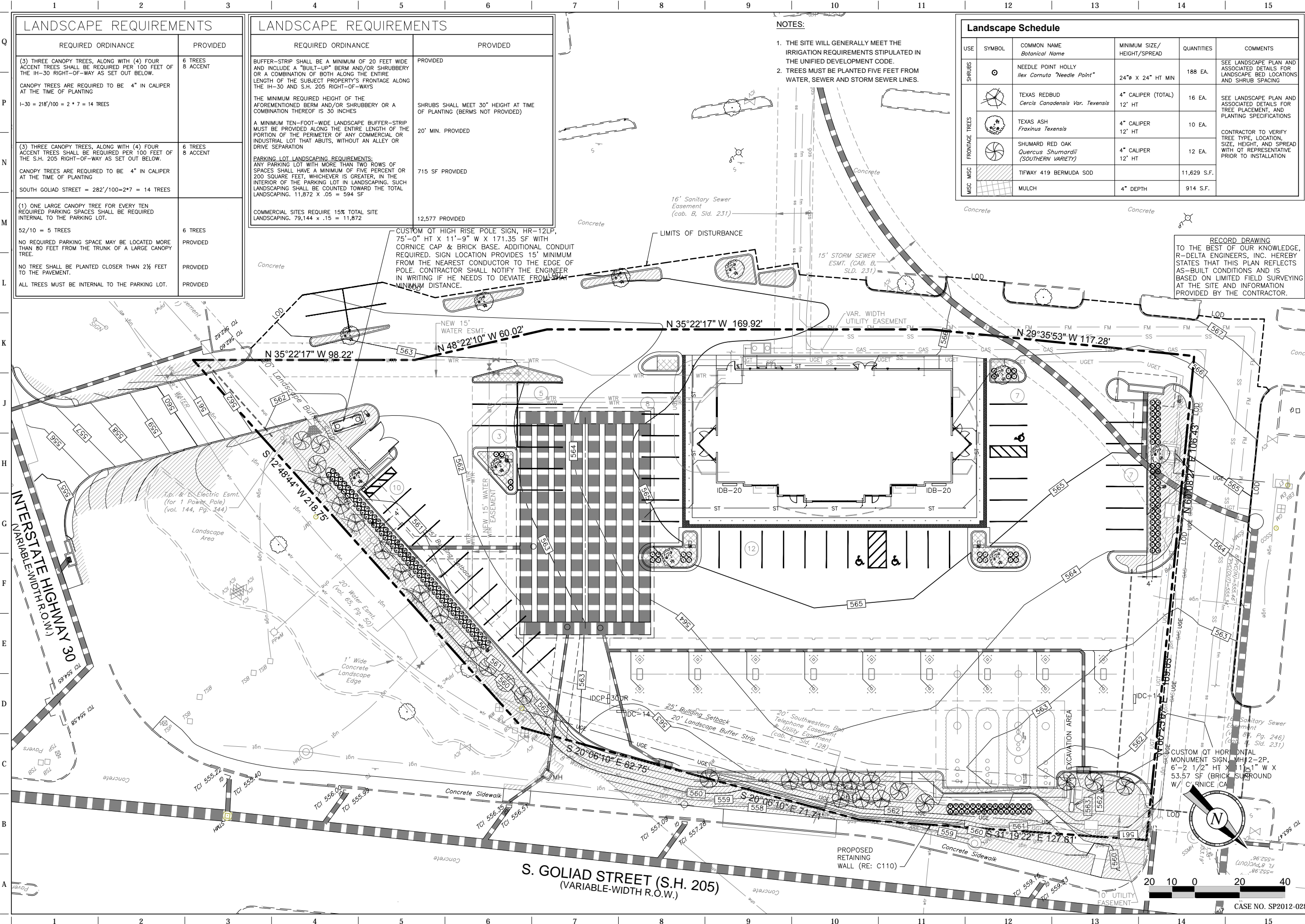
REV. DATE DESCRIPTION ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
LANDSCAPE PLAN

SHEET NUMBER:  
L100

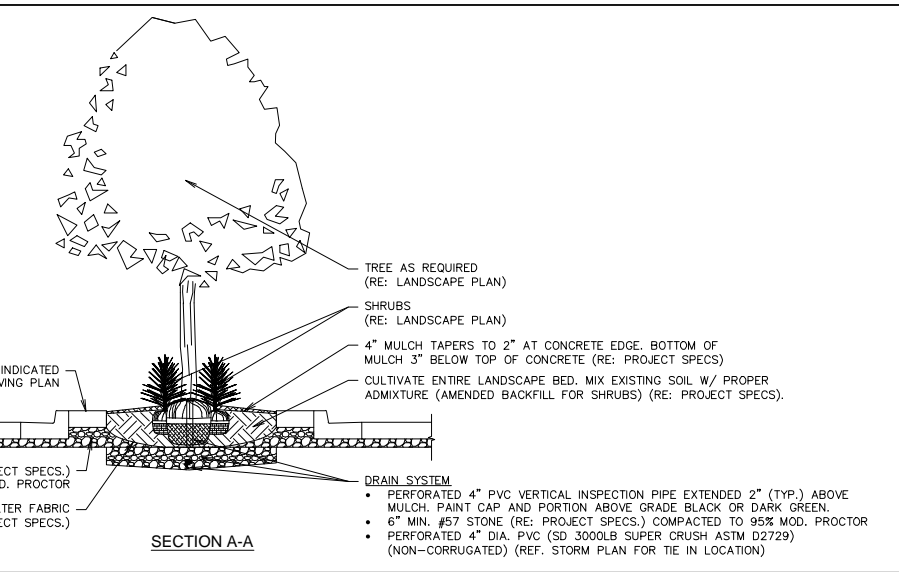
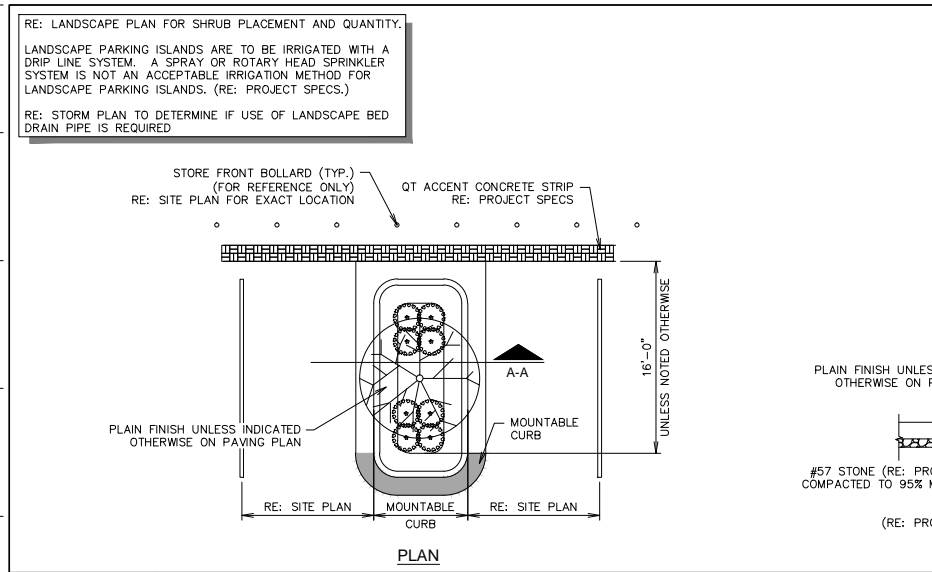
CASE NO. SP2012-028

FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME: Landscape USER: prochele SAVED: 6/18/2014 1:21 PM PLOTTED: 6/18/2014 1:30 PM





FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Landscaping-F73.dwg TAB NAME: LS Detail Sheet 1 USER: procholello SAVED: 6/18/2014 1:35 PM PLOTTED: 6/18/2014 1:38 PM



RECORD DRAWING TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

RECORD DRAWING

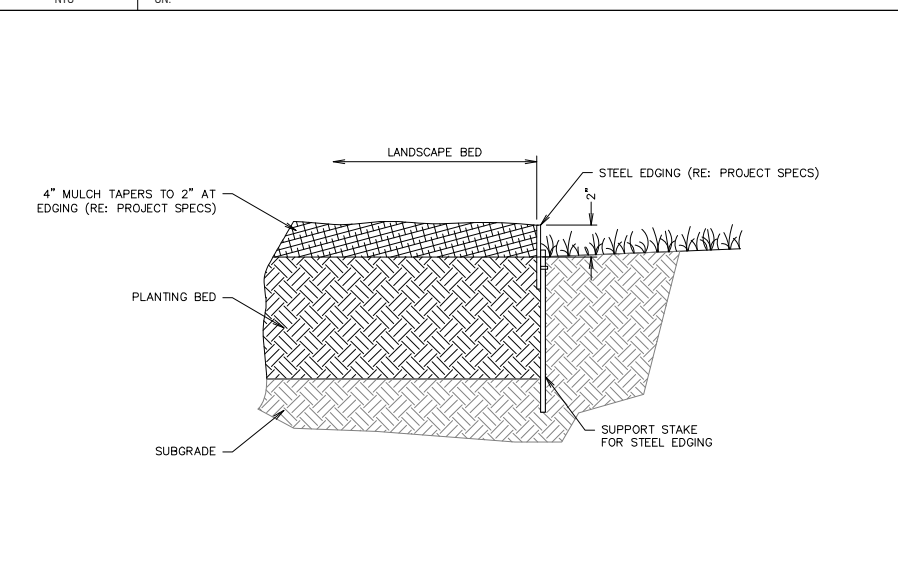
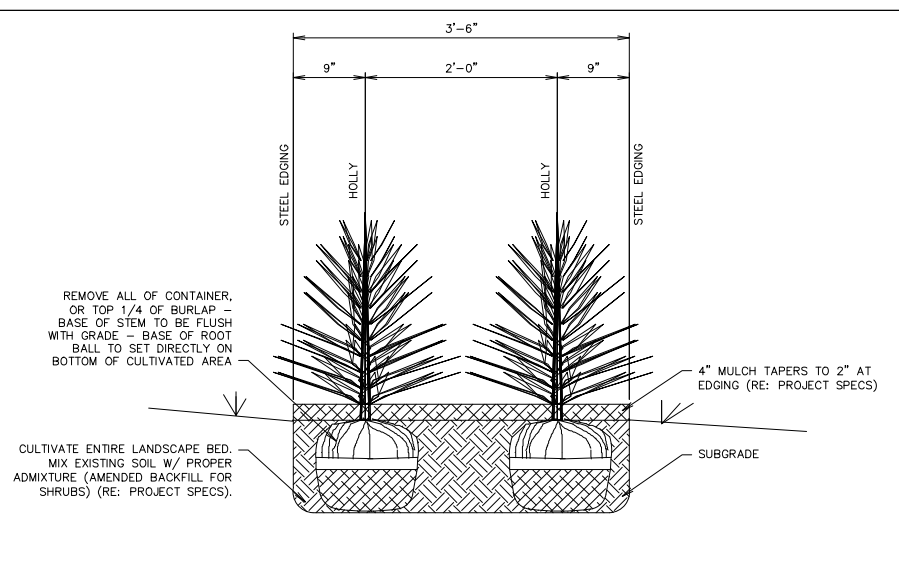
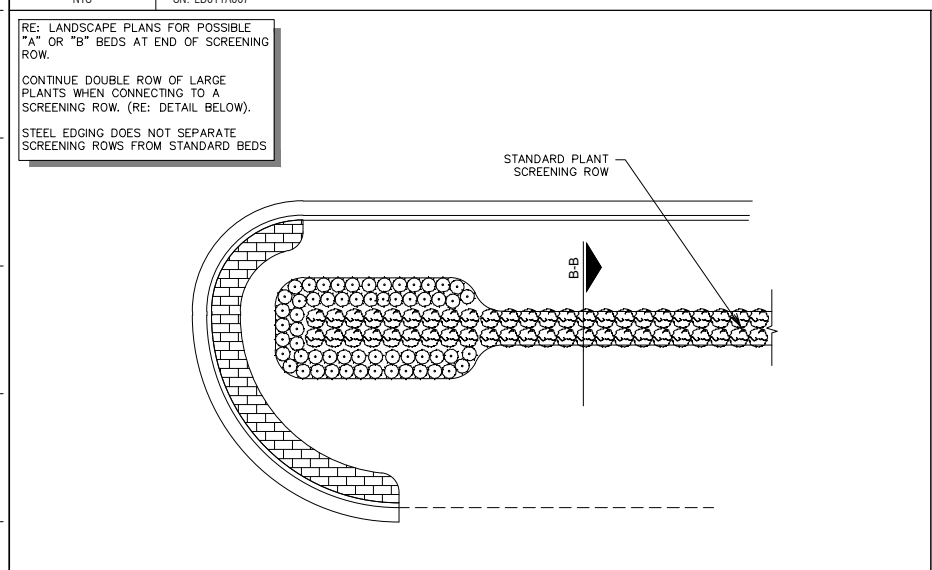
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #8884 ON 06-18-2014. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r. delta**  
 ENGINEERS  
 618 MAIN STREET  
 GARLAND, TEXAS 75040  
 Phone: (972) 494-5031  
 Fax: (972) 487-2270  
 www.rdelta.com  
 TBPE Firm No. F-001515

**L1** PARKING ISLAND W/ SHRUBS & TREE LANDSCAPE DETAIL (W/ RADIUS PROTECTOR)  
 NTS SN: LD011A007

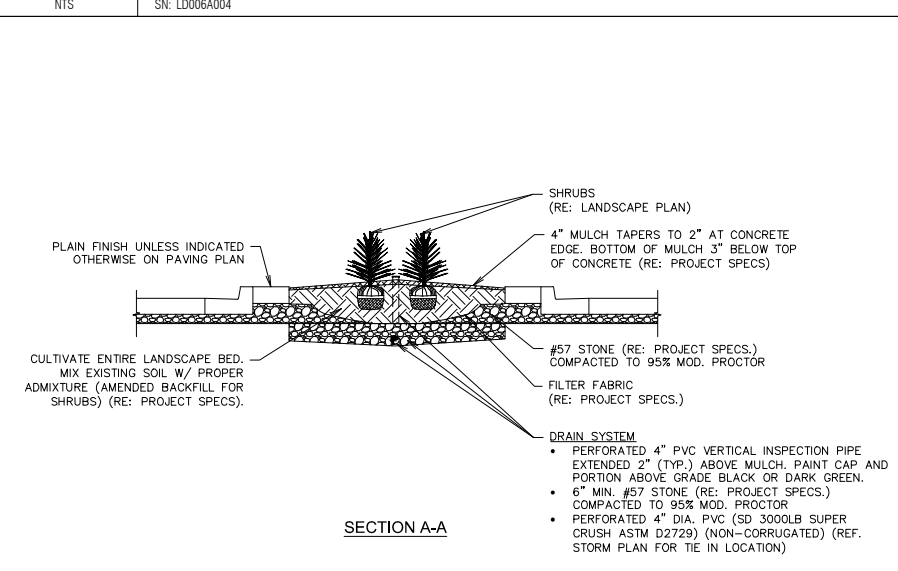
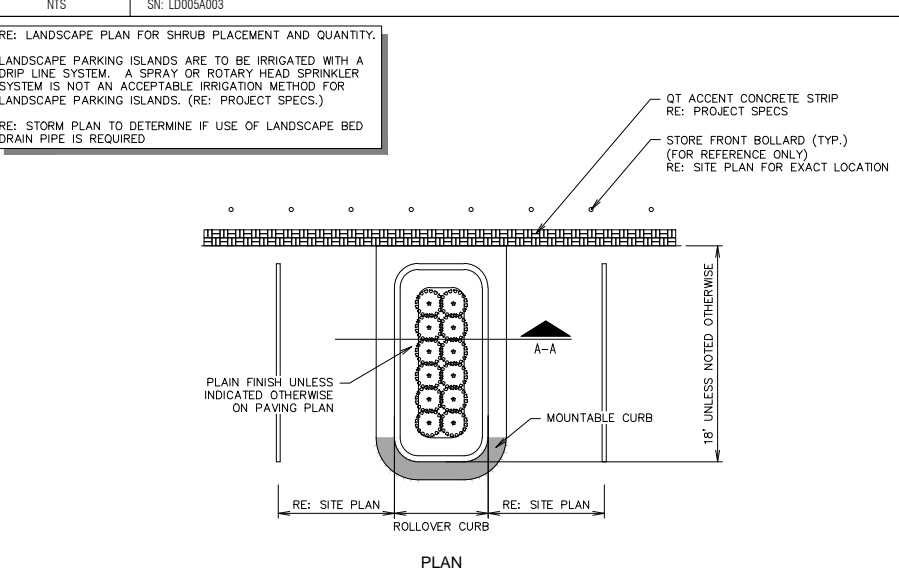
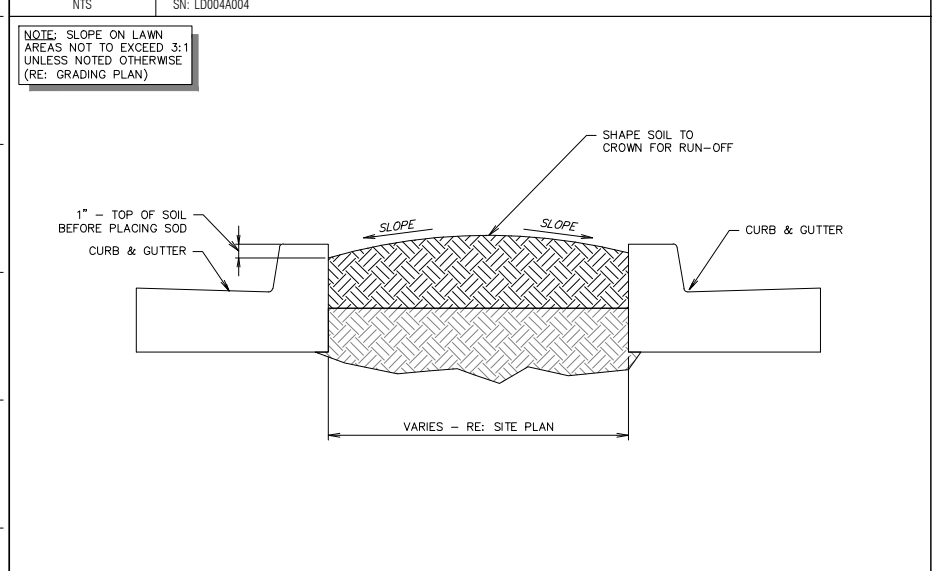
**L11** NOT USED  
 NTS SN:



**F1** SHRUB SCREENING BED  
 NTS SN: LD004A004

**F6** SHRUB SCREENING SECTION B-B  
 NTS SN: LD005A003

**F11** LANDSCAPE STEEL EDGING DETAIL  
 NTS SN: LD006A004



**A1** TYPICAL LAWN SECTION  
 NTS SN: LD007A002

**A6** PARKING ISLAND W/ SHRUBS LANDSCAPE DETAIL (W/ RADIUS PROTECTOR)  
 NTS SN: LD009A007

**L500**  
 CASE NO. SP2012-028

**QuikTrip No. 0935**  
 NWC OF COLLAD AND I-30  
 ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011. ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)  
 DIVISION:  
 VERSION: 001  
 DESIGNED BY:  
 DRAWN BY: KSR  
 REVIEWED BY:

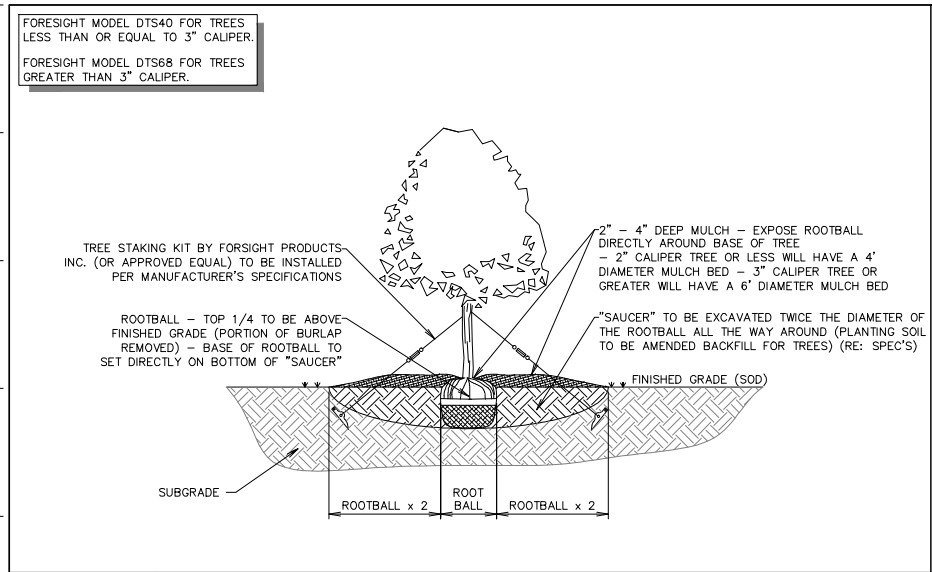
REV	DATE	DESCRIPTION

SHEET TITLE:  
 LANDSCAPE DETAILS

SHEET NUMBER:  
**L500**

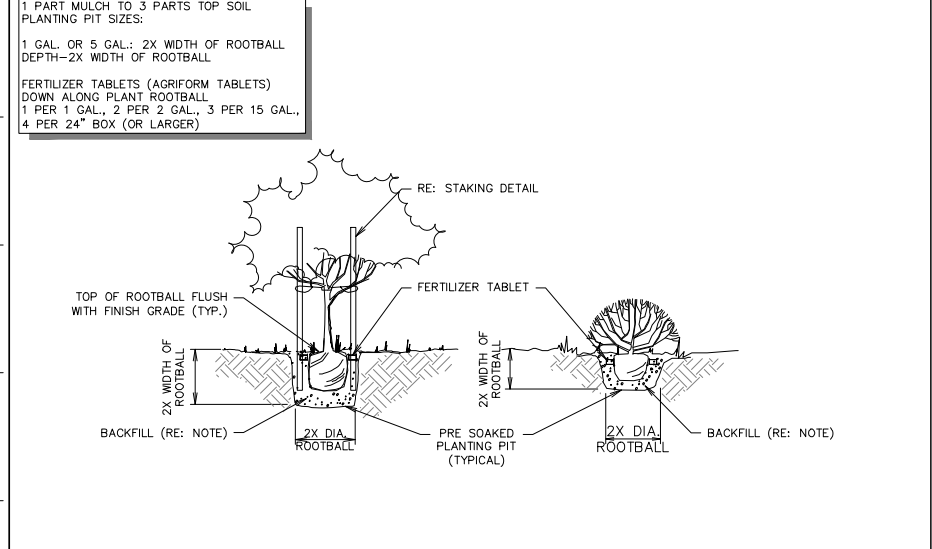
ORIGINAL ISSUE DATE: 06/18/14

FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Landscaping-F73.dwg TAB NAME: L5 Detail Sheet 2 USER: prochalle SAVED: 06/18/2014 1:35 PM PLOTTED: 06/18/2014 1:38 PM



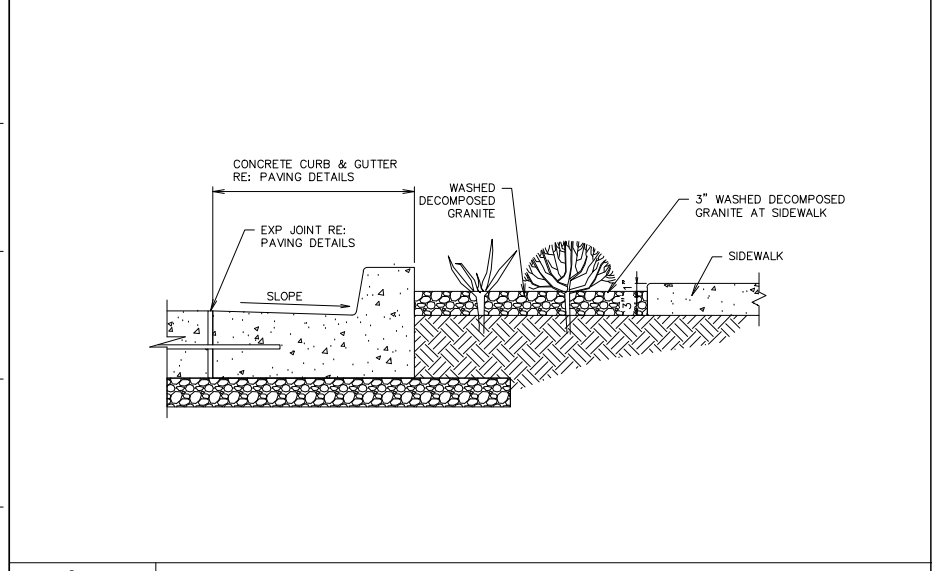
**L1** TREE PLANTING DETAIL - SECTION

NTS SN: LD008A002



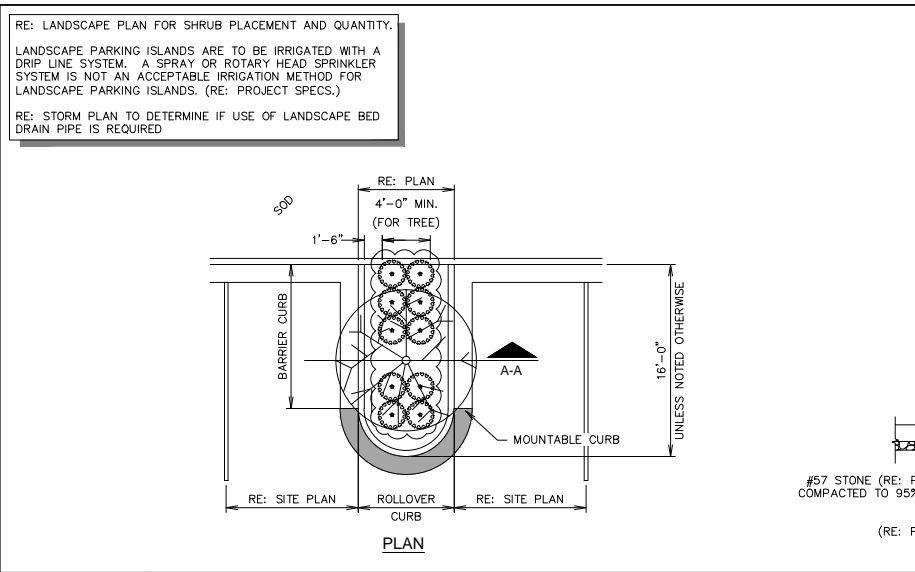
**F1** TREE AND SHRUB PLANTING

NTS SN: LD020A001



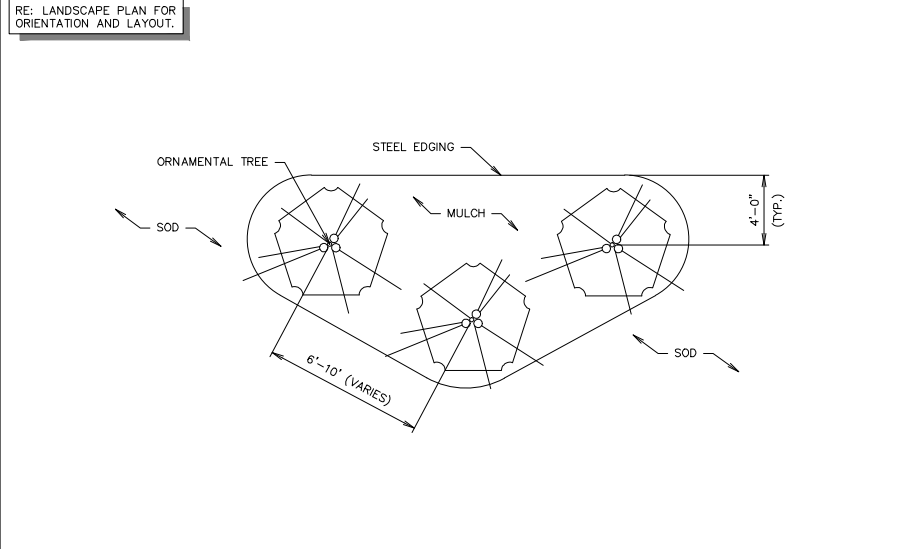
**A1** WATER HARVESTING AREA SECTION

NTS SN: LD022A003



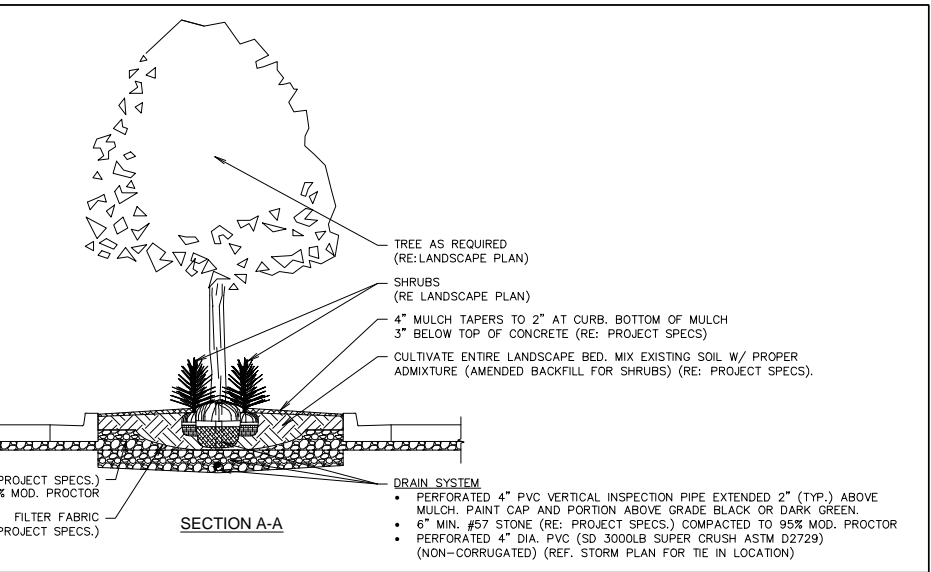
**L6** PARKING ISLAND W/ SHRUBS & TREE LANDSCAPE DETAIL (ADJACENT TO CURB & GUTTER)

NTS SN: LD012A007



**F6** ORNAMENTAL TREE GROUPING DETAIL

NTS SN: LD013A003



**F11** STAKING DETAIL

NTS SN: LD018A001

RECORD DRAWING  
TO THE BEST OF OUR KNOWLEDGE, R-DELTA ENGINEERS, INC. HEREBY STATES THAT THIS PLAN REFLECTS AS-BUILT CONDITIONS AND IS BASED ON LIMITED FIELD SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

**A11** NOT USED

NTS SN:

CASE NO. SP2012-028

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN PAUL PATRICK, P.E. #884 ON 06-18-2014. A FURTHER PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

**r. delta**  
ENGINEERS

618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone: (972) 494-5031  
Fax: (972) 487-2270  
www.rdelta.com  
TBPE Firm No. F-001515

**QuikTrip No. 0935**

NWC OF COLIAD AND I-30  
ROCKWALL, TX.

© COPYRIGHT QUIKTRIP CORPORATION 2011  
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-72 (08/01/12)

DIVISION:

VERSION: 001

DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:  
LANDSCAPE DETAILS

SHEET NUMBER:  
L501