

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.

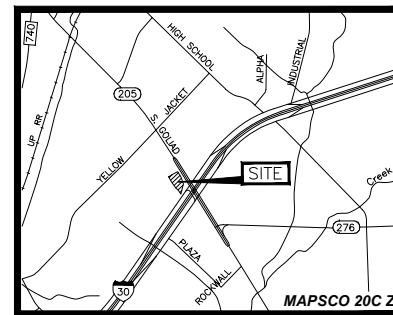
FLOOD CERTIFICATION:

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.

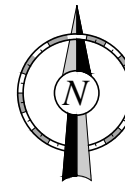
BENCHMARKS:

- 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

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

TxDOT

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

PRIVATE UTILITIES

<p>CHARTER COMMUNICATIONS TEL: (817) 298-3605 CONTACT: BRENT BASCOM brent.bascom@chartercom.com</p> <p>ONCOR ELECTRIC DELIVERY TEL: (972) 551-7233 CONTACT: RANDY VOIGHT Randy.Voight@oncor.com</p>	<p>ATMOS ENERGY (GAS) TEL: (972) 485-6277 CONTACT: DINAH WOOD Dinah.Wood@atmosenergy.com</p> <p>AT&T SOUTHWEST TEL: (903) 457-2303 CONTACT: BRIAN DUNCAN bd5618@att.com</p>
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PROJECT CONTACT LIST:

<p>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</p> <p>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</p>	<p>QT REAL ESTATE PROJECT MANAGER QUIKTRIP CORPORATION JAKE PETRAS 1120 NORTH INDUSTRIAL BLVD. EULESS, TEXAS 76039 TEL: (817) 786-3188 FAX: (918) 615-7287</p> <p>QT CIVIL PROJECT MANAGER JOHN DROZ 4705 SOUTH 129TH EAST AVENUE TULSA, OK 74134 TEL: (918) 615-7080</p>
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SHEET INDEX

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C110	GRADING PLAN
C111	DETAILED GRADING PLANS
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C121	DETENTION PLAN & PROFILE
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C141	EROSION CONTROL PLAN PHASE 2
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C200	RETAINING WALL
C300	STORM SEWER PROFILE
C310	SANITARY SEWER PROFILE
C400	PRE-DEVELOPED DRAINAGE MAP
C410	POST-DEVELOPED DRAINAGE MAP
C420	DRAINAGE CALCULATIONS
C500	MISC. SITE DETAILS
C520	PAVING DETAILS
C521	PAVING DETAILS
C522	PAVING DETAILS
C523	PAVING DETAILS
C540	DRAINAGE DETAILS
C541	DRAINAGE DETAILS
C551	TEMPORARY TRAFFIC CONTROL
CD113	ADA COMPLIANCE REFERENCE PLAN
CD131	BUILDING PAVING PLAN
CD170	SECURITY PLAN
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CD510	ADA DETAILS
CD530	TRENCHING DETAILS
CD531	TRENCHING DETAILS
L100	LANDSCAPE PLAN
L500	LANDSCAPE DETAILS
L501	LANDSCAPE DETAILS

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.

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

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRIAN P. PATRICK, P.E. ASHRAE OR REGISTERED AS A PROFESSIONAL ENGINEER IN AN OFFICE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

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QT

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

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

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
C001

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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

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
- SSW STORM SEWER LINE
- UM UTILITY MANHOLE
- UP UTILITY POLE
- UPW UTILITY POLE W/TRANSFORMER
- GW GUY WIRE
- TSB TRAFFIC SIGNAL BOX
- TSP TRAFFIC SIGNAL POLE
- TS TRAFFIC SIGN
- WM WATER METER
- WICR WATER OR IRR. CONTROL VALVE
- FH FIRE HYDRANT
- DT DECIDUOUS TREE

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. QUIKTRIP WILL DIRECTLY REIMBURSE UTILITY COMPANIES FOR ANY APPLICABLE CHARGES.

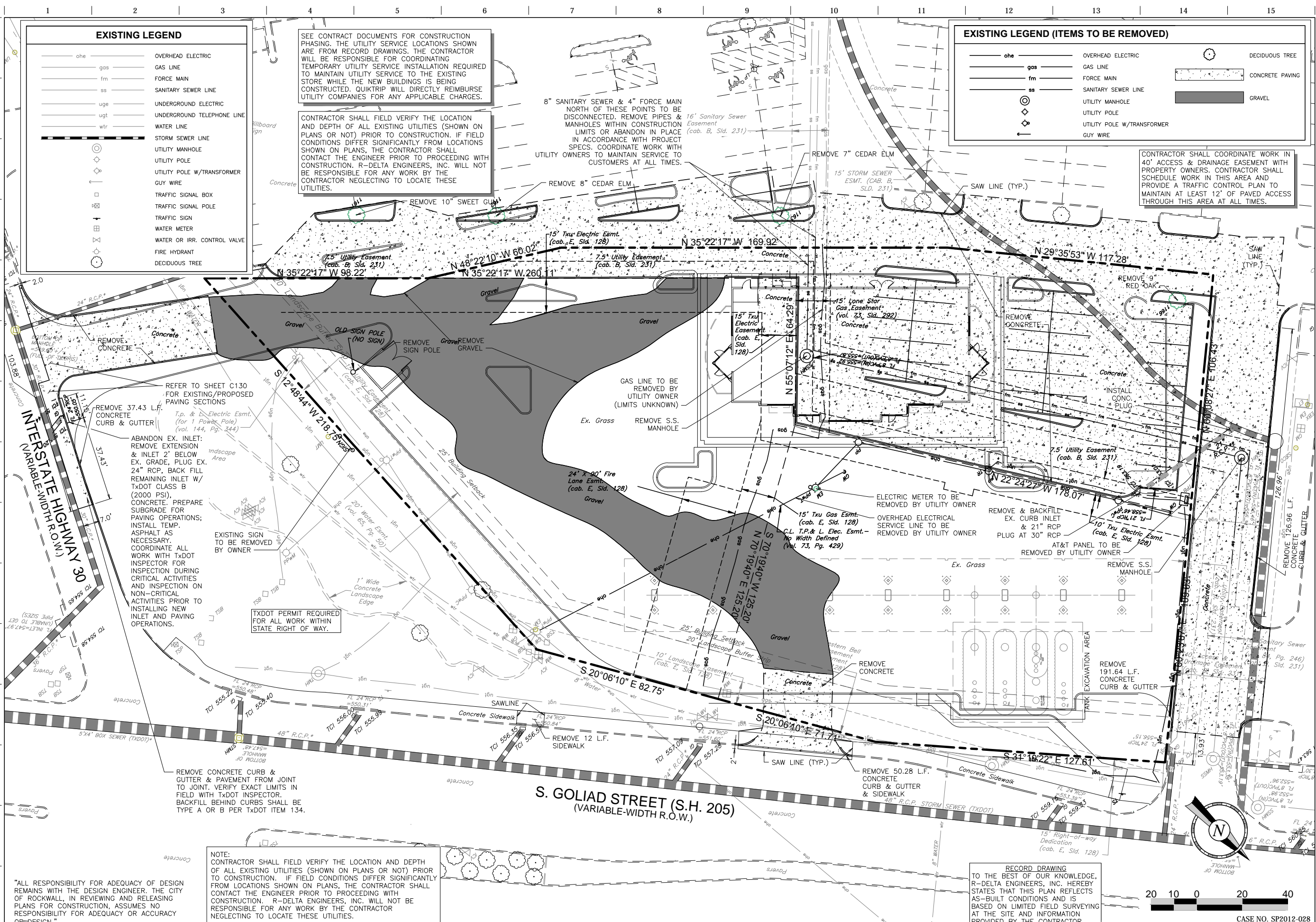
CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS, INC. 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.

EXISTING LEGEND (ITEMS TO BE REMOVED)

- ohe OVERHEAD ELECTRIC
- gas GAS LINE
- fm FORCE MAIN
- ss SANITARY SEWER LINE
- UM UTILITY MANHOLE
- UP UTILITY POLE
- UPW UTILITY POLE W/TRANSFORMER
- GW GUY WIRE
- DT DECIDUOUS TREE
- CP CONCRETE PAVING
- GR GRAVEL

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.



"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."

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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.

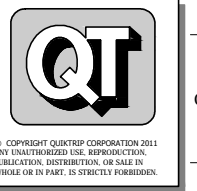


RECORD DRAWING

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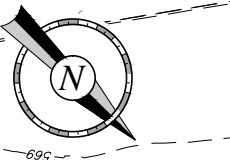
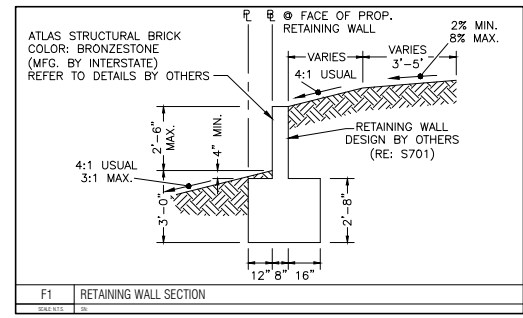
REV.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C030

CASE NO. SP2012-028



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.

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- ### MISCELLANEOUS GRADING NOTES
1. ALL FILL AND SCARIFIED, MOISTURE CONDITIONED SUBGRADE SHALL BE COMPACTED TO 95% WITH A MOISTURE CONTENT WITHIN A RANGE OF +1 TO +4 PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED BY STANDARD PROCTOR TEST (ASTM D698) USING SHEEP'S FOOT ROLLER. CONTRACTOR TO ADJUST ANY EXISTING UTILITIES TO GRADE.
 2. GAS CANOPY INSTALLER SHALL INSTALL THE CANOPY COLUMN DRAIN PIPE AND OVERFLOW FITTING. THE STORM WATER INSTALLER SHALL CONNECT THEIR PIPING TO THE GAS INSTALLER'S OVERFLOW FITTING.
 3. TO AVOID ANY DEFINED CRESTS OR SUMPS, "GRADE BREAKS" SHALL BE CONSTRUCTED AS A VERTICAL CURVE. SURVEYOR & CONTRACTOR SHALL CONFER WITH QUIKTRIP CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION STAKING OR CONCRETE PLACEMENT RELATIVE TO ANY GRADE BREAKS.
 4. WHEN PLAN GRADES DEPICT RUNOFF TO BE DIRECTED AWAY FROM THE CURB, USE DRAIN AWAY CURB ALTERNATE. (RE: "CURB DETAIL-BARRIER" 090904006 DETAIL)
 - 5.

GRADING LEGEND

ST	STORM PIPE (< 12" NEW)
---	STORM PIPE (> 12" NEW)
---	STORM PIPE (> 12" EXISTING)
---	MAJOR CONTOUR (NEW)
---	MINOR CONTOUR (NEW)
---	MAJOR CONTOUR (EXISTING)
---	MINOR CONTOUR (EXISTING)
---	LIMITS OF DISTURBANCE
---	GRADE BREAK (NEW)
---	GRADE BREAK (EXISTING)
TC XXX.XX	TOP OF CURB ELEVATION (NEW)
G XXX.XX	GUTTER ELEVATION (NEW)
FG XXX.XX	FINISHED GRADE ELEVATION (NEW)
TC XXX.XX	TOP OF CURB ELEVATION (EXISTING)
TH XXX.XX	INLET THROAT ELEVATION (NEW)
---	STORM GRATE (NEW)
---	CANOPY COLUMN EXTENDED FOOTING
---	STANDARD CANOPY COLUMN FOOTING
---	MULTIPLE PRODUCT DISPENSER WITH CANOPY COLUMNS AND BOLLARDS

RECORD DRAWING

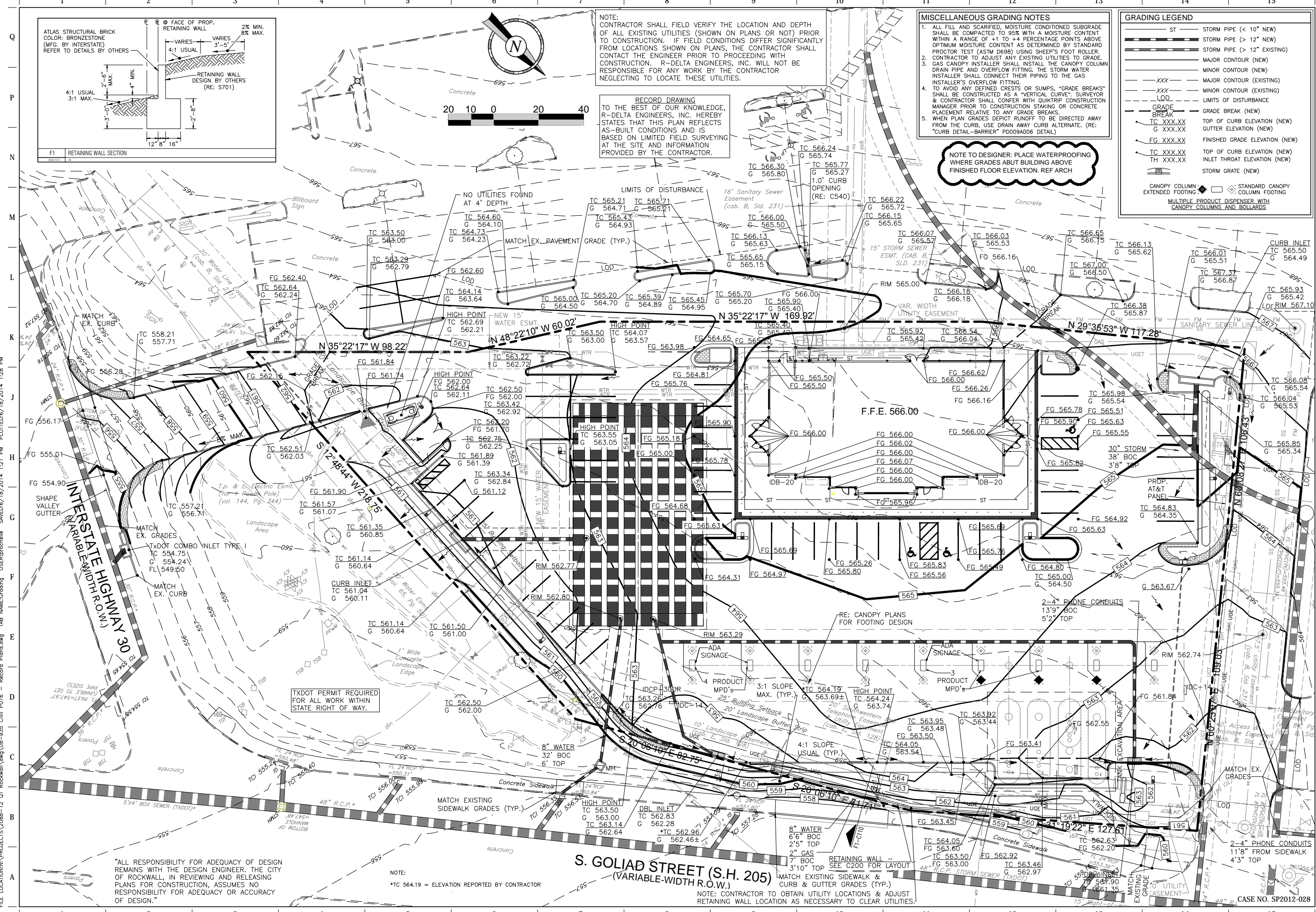
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PROJECT NO.: 2088-12

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NOTE TO DESIGNER: PLACE WATERPROOFING WHERE GRADES ABUT BUILDING ABOVE FINISHED FLOOR ELEVATION. REF ARCH



"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: *TC 564.19 = ELEVATION REPORTED BY CONTRACTOR

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

NOTE: CONTRACTOR TO OBTAIN UTILITY LOCATIONS & ADJUST RETAINING WALL LOCATION AS NECESSARY TO CLEAR UTILITIES.

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



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

REV	DATE	DESCRIPTION

SHEET TITLE: GRADING PLAN

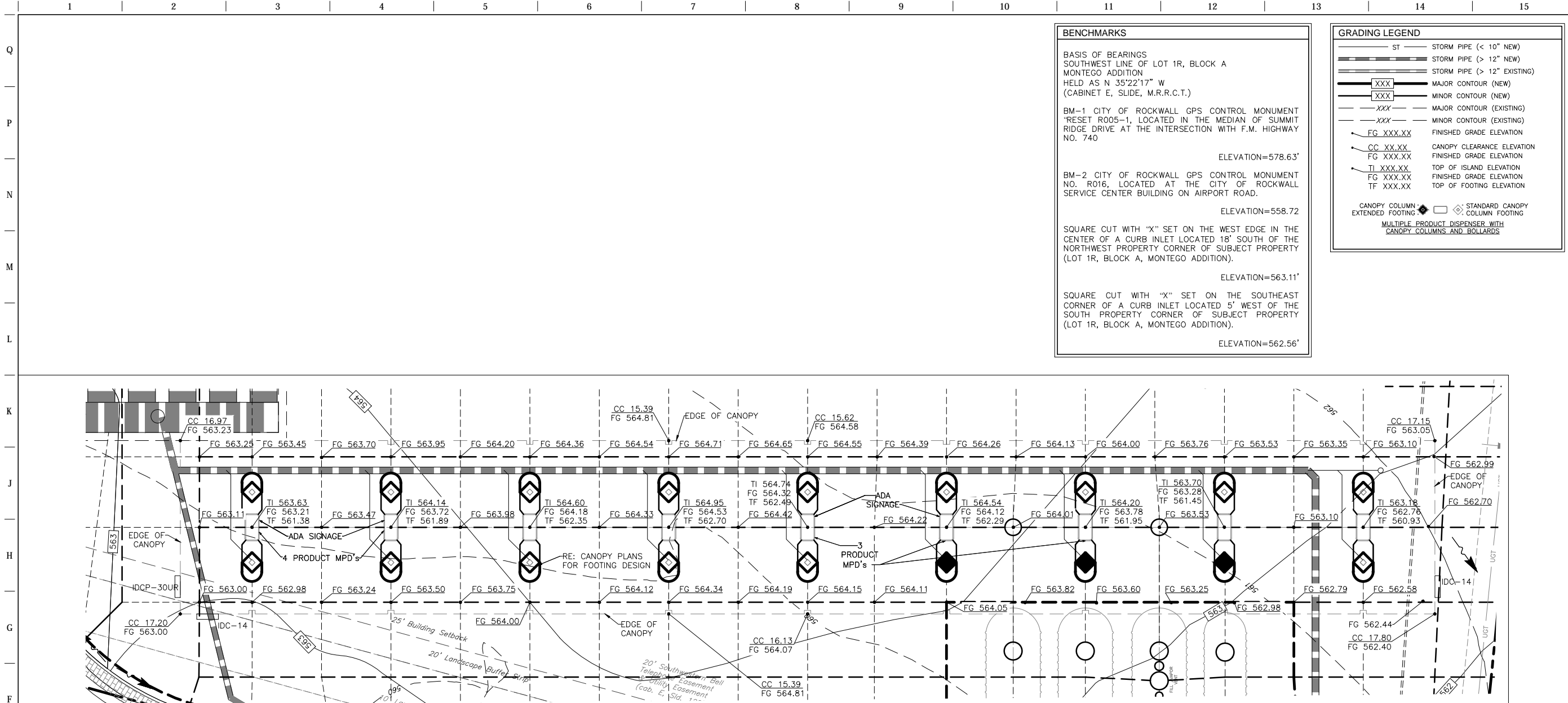
SHEET NUMBER: C110

ORIGINAL ISSUE DATE: 06/18/14

CASE NO. SP2012-028

FILE LOCATION: PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME: Grading USER: prochele 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'

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: COLUMN FOOTING
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 BEHALF OF A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. THE ENGINEER IS AN OFFICER UNDER THE TEXAS ENGINEERING PRACTICE ACT.

PROJECT NO.: 2088-12

r.d. delta
ENGINEERS

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TBPE Firm No. F-001515

QuikTrip No. 0935
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ROCKWALL, TX.



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

DIVISION:
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DRAWN BY: KSR
REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

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."

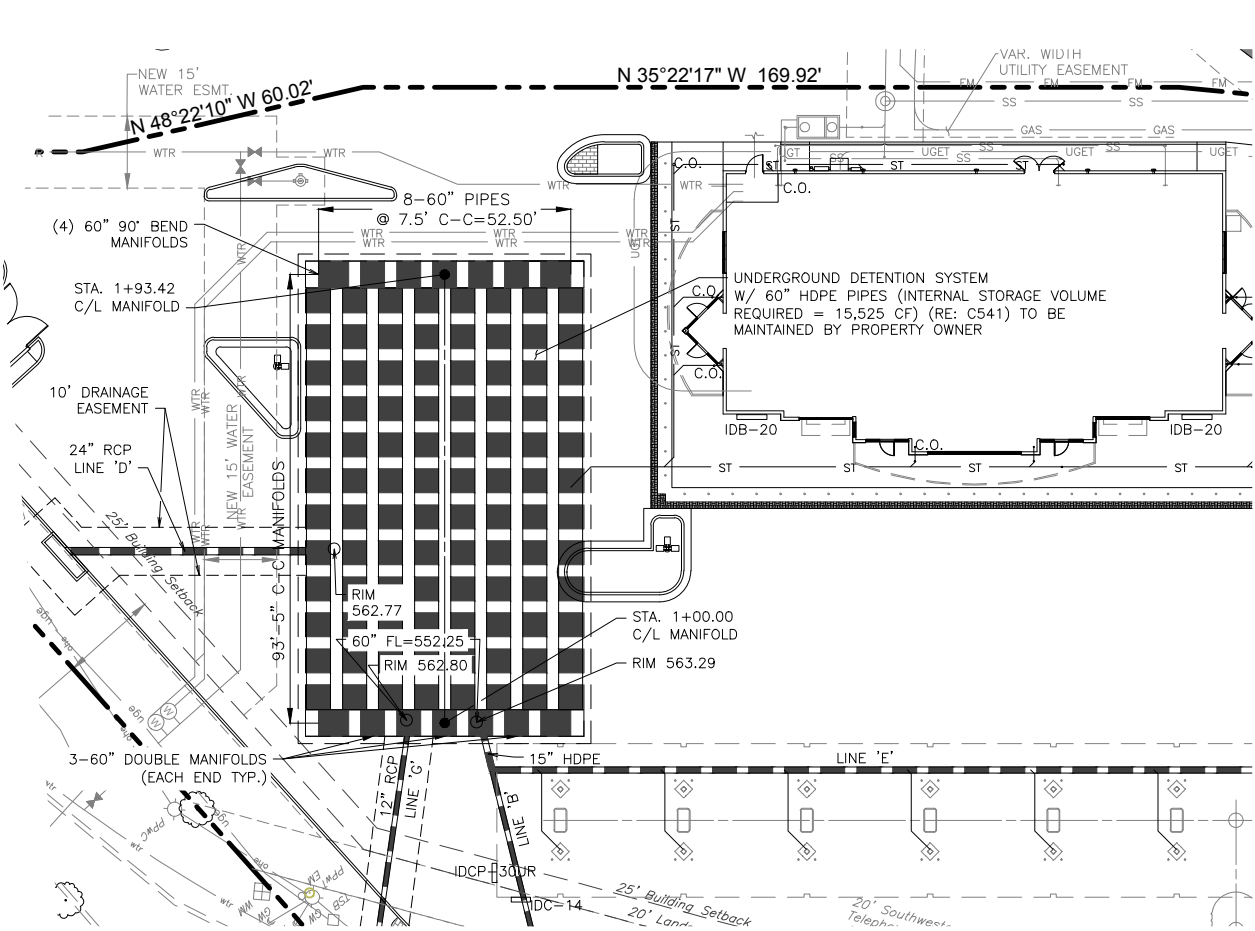
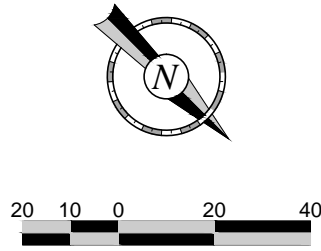
NOTE:
CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (SHOWN ON PLANS OR NOT) PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. R-DELTA ENGINEERS,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

SHEET TITLE:
DETAILED CANOPY GRADING PLAN

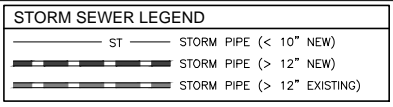
SHEET NUMBER:
C112

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



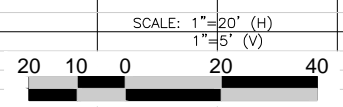
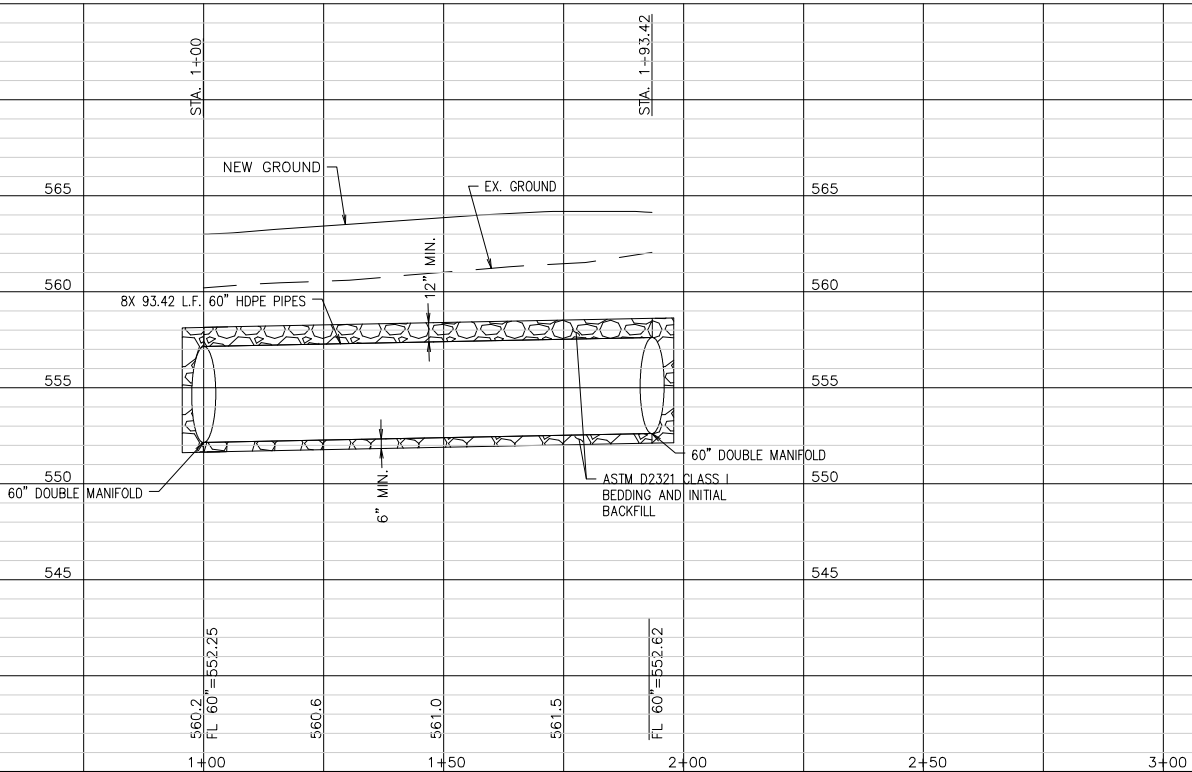
STORM SEWER GENERAL NOTES
STORM SEWER INSTALLATION CONSIDERATIONS
 PRIOR TO THE CONSTRUCTION OF, OR CONNECTION TO ANY STORM DRAIN OR ANY OTHER ELEVATION SENSITIVE UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTIONS AND ALL UTILITY CROSSINGS. THE CONTRACTOR SHALL INFORM 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:
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- 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.



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RECORD DRAWING

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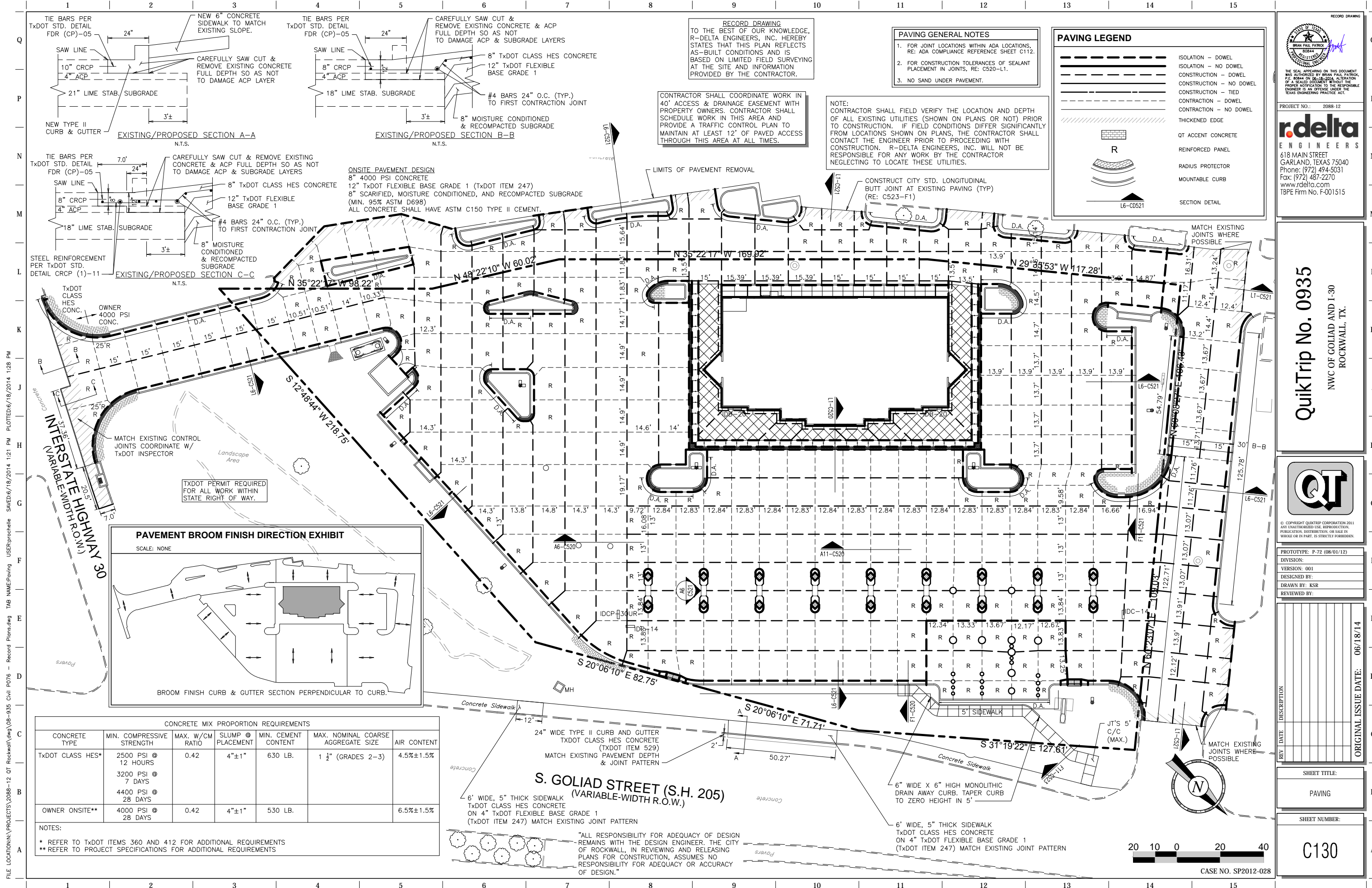
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
 DETENTION PLAN & PROFILE

SHEET NUMBER:
C121

CASE NO. SP2012-028



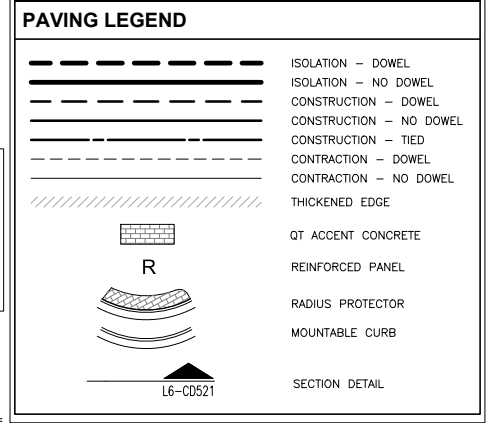
FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME:Paving USER:prochelle SAVED:6/18/2014 1:21 PM PLOTTED:6/18/2014 1:28 PM

CONCRETE MIX PROPORTION REQUIREMENTS						
CONCRETE TYPE	MIN. COMPRESSIVE STRENGTH	MAX. W/CM RATIO	SLUMP @ PLACEMENT	MIN. CEMENT CONTENT	MAX. NOMINAL COARSE AGGREGATE SIZE	AIR CONTENT
TxDOT CLASS HES*	2500 PSI @ 12 HOURS	0.42	4"±1"	630 LB.	1 1/2" (GRADES 2-3)	4.5%±1.5%
	3200 PSI @ 7 DAYS					
	4400 PSI @ 28 DAYS					
OWNER ONSITE**	4000 PSI @ 28 DAYS	0.42	4"±1"	530 LB.		6.5%±1.5%

NOTES:
 * REFER TO TxDOT ITEMS 360 AND 412 FOR ADDITIONAL REQUIREMENTS
 ** REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

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.

PAVING GENERAL NOTES
 1. FOR JOINT LOCATIONS WITHIN ADA LOCATIONS, RE: ADA COMPLIANCE REFERENCE SHEET C112.
 2. FOR CONSTRUCTION TOLERANCES OF SEALANT PLACEMENT IN JOINTS, RE: C520-L1.
 3. NO SAND UNDER PAVEMENT.



RECORD DRAWING

PROJECT NO.: 2088-12

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REV.	DATE	DESCRIPTION

SHEET TITLE:
 PAVING

SHEET NUMBER:
C130

ORIGINAL ISSUE DATE: 06/18/14

CASE NO. SP2012-028

FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\0716 - Record Plans.dwg TAB NAME: Erosion PH 2 USER: rprochele SAVED: 06/18/2014 1:35 PM PLOTTED: 06/18/2014 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)
[Symbol]	STORM GRATE (NEW)
[Symbol]	SILT FENCE/EROSION CONTROL LOG
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	DRIVE ENTRANCE BARRICADES
[Symbol]	INLET PROTECTION
[Symbol]	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 NOTIFICATION TO THE REGISTERED ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

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DRAWN BY:	KSR
REVIEWED BY:	

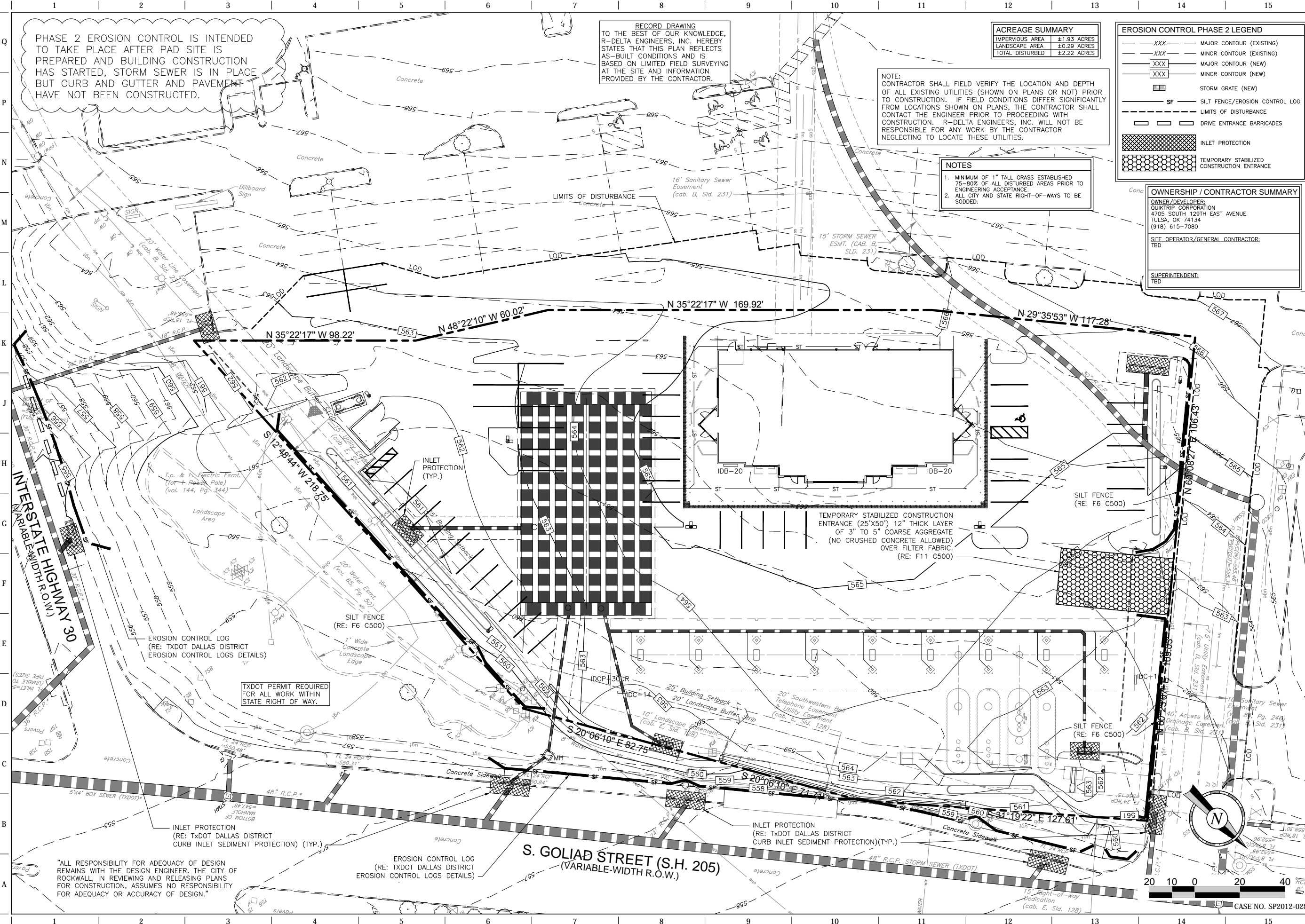
REV	DATE	DESCRIPTION

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.)

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

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

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)

SILT FENCE
(RE: F6 C500)

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

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

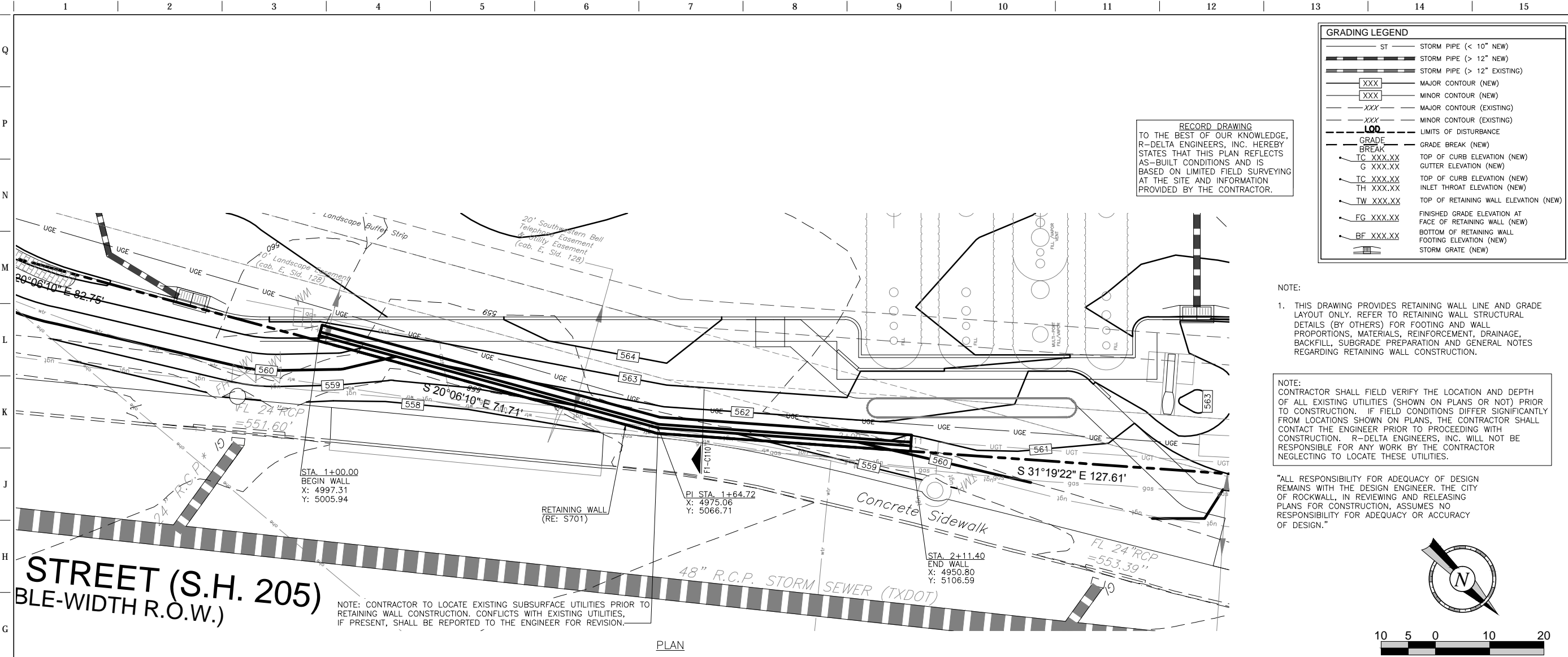
SILT FENCE
(RE: F6 C500)

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)

SILT FENCE
(RE: F6 C500)

FILE LOCATION: N:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil P076 - Record Plans.dwg TAB NAME: Ret. Wall Elev USE: R:\prochelle SAVED: 06/18/2014 1:21 PM PLOTTED: 06/18/2014 1:29 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.

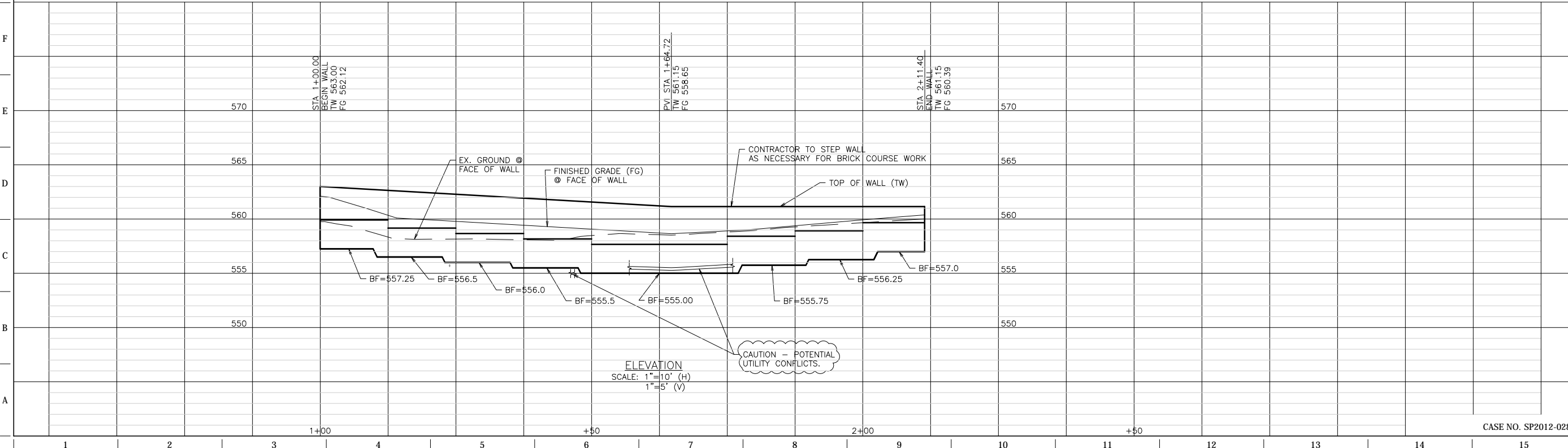
GRADING LEGEND

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)
LOD	LIMITS OF DISTURBANCE
GRADE BREAK	GRADE BREAK (NEW)
TC XXX.XX	TOP OF CURB ELEVATION (NEW)
G XXX.XX	GUTTER ELEVATION (NEW)
TC XXX.XX	TOP OF CURB ELEVATION (NEW)
TH XXX.XX	INLET THROAT ELEVATION (NEW)
TW XXX.XX	TOP OF RETAINING WALL ELEVATION (NEW)
FG XXX.XX	FINISHED GRADE ELEVATION AT FACE OF RETAINING WALL (NEW)
BF XXX.XX	BOTTOM OF RETAINING WALL FOOTING ELEVATION (NEW)
SG	STORM GRATE (NEW)

NOTE:
 1. THIS DRAWING PROVIDES RETAINING WALL LINE AND GRADE LAYOUT ONLY. REFER TO RETAINING WALL STRUCTURAL DETAILS (BY OTHERS) FOR FOOTING AND WALL PROPORTIONS, MATERIALS, REINFORCEMENT, DRAINAGE, BACKFILL, SUBGRADE PREPARATION AND GENERAL NOTES REGARDING RETAINING WALL CONSTRUCTION.

NOTE:
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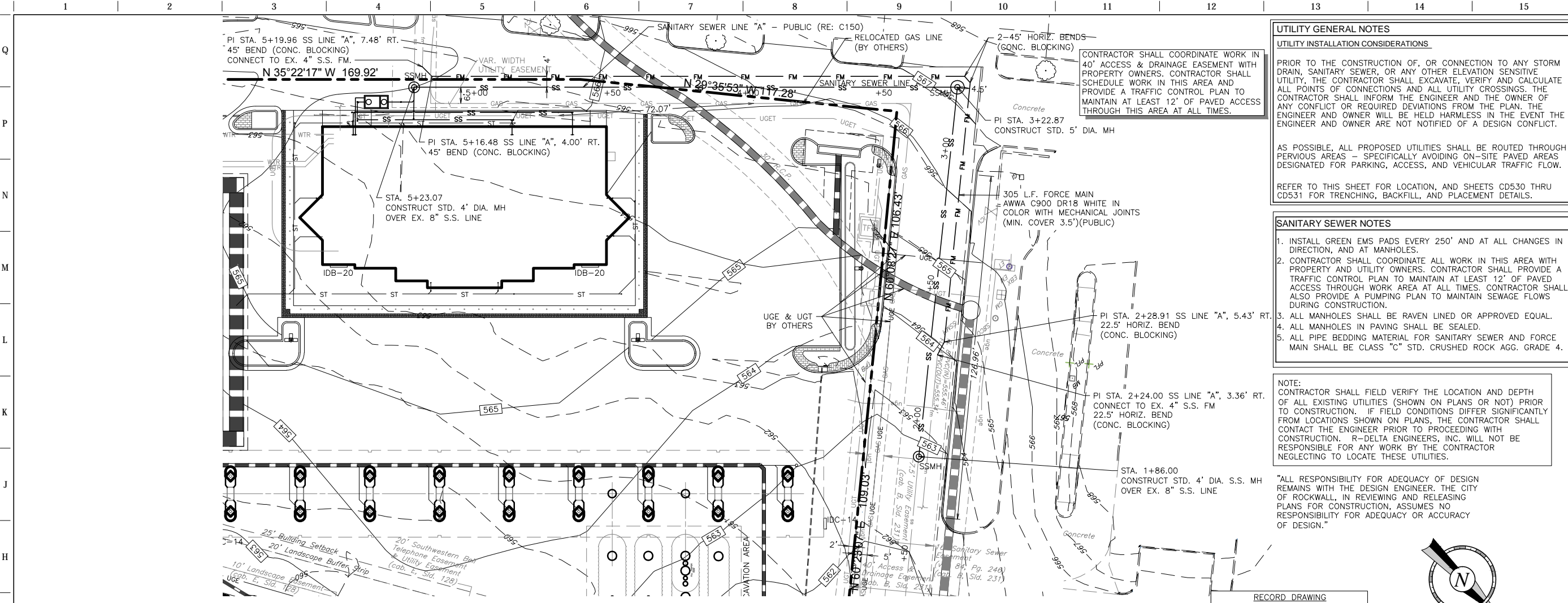
ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
 RETAINING WALL

SHEET NUMBER:
C200

CASE NO. SP2012-028

FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\076 - Record Plans.dwg TAB NAME:Sanitary Sewer Profile USER:rprouche SAVES:6/18/2014 1:21 PM PLOTTED:6/18/2014 1:29 PM



UTILITY GENERAL NOTES

UTILITY INSTALLATION CONSIDERATIONS

PRIOR TO THE CONSTRUCTION OF, OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, 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.

AS POSSIBLE, ALL PROPOSED UTILITIES SHALL BE ROUTED THROUGH PERVIOUS AREAS - SPECIFICALLY AVOIDING ON-SITE PAVED AREAS DESIGNATED FOR PARKING, ACCESS, AND VEHICULAR TRAFFIC FLOW.

REFER TO THIS SHEET FOR LOCATION, AND SHEETS CD530 THRU CD531 FOR TRENCHING, BACKFILL, AND PLACEMENT DETAILS.

SANITARY SEWER NOTES

- INSTALL GREEN EMS PADS EVERY 250' AND AT ALL CHANGES IN DIRECTION, AND AT MANHOLES.
- CONTRACTOR SHALL COORDINATE ALL WORK IN THIS AREA WITH PROPERTY AND UTILITY OWNERS. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO MAINTAIN AT LEAST 12' OF PAVED ACCESS THROUGH WORK AREA AT ALL TIMES. CONTRACTOR SHALL ALSO PROVIDE A PUMPING PLAN TO MAINTAIN SEWAGE FLOWS DURING CONSTRUCTION.
- ALL MANHOLES SHALL BE RAVEN LINED OR APPROVED EQUAL.
- ALL MANHOLES IN PAVING SHALL BE SEALED.
- ALL PIPE BEDDING MATERIAL FOR SANITARY SEWER AND FORCE MAIN SHALL BE CLASS "C" STD. CRUSHED ROCK AGG. GRADE 4.

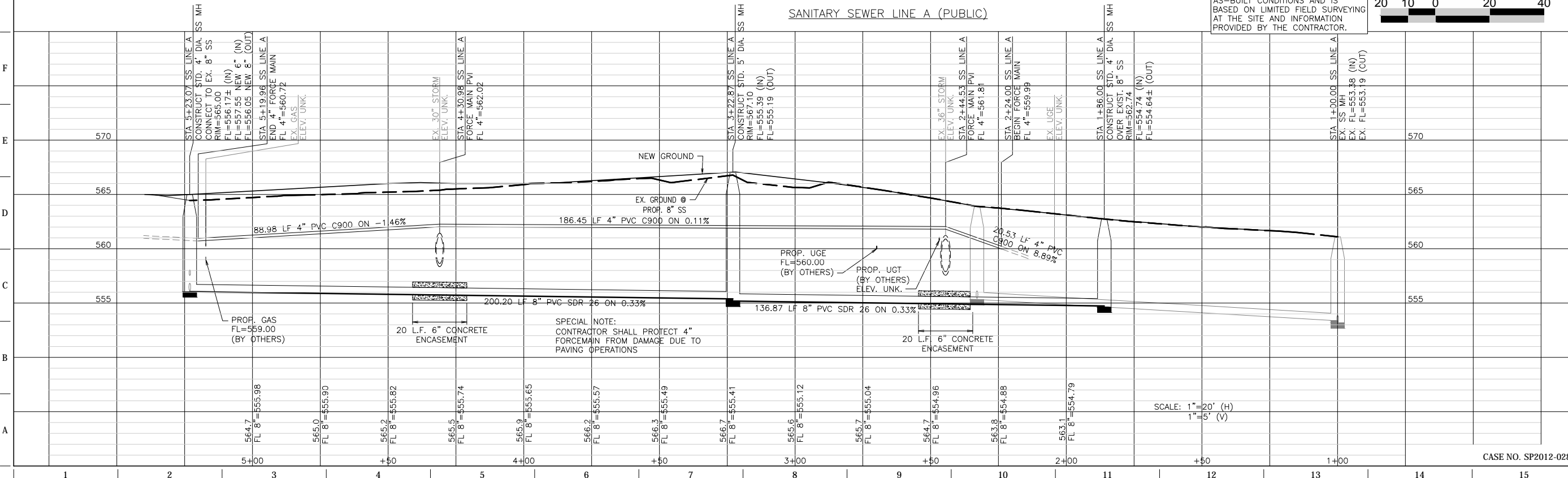
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REVIEWED BY:

REV.	DATE	DESCRIPTION

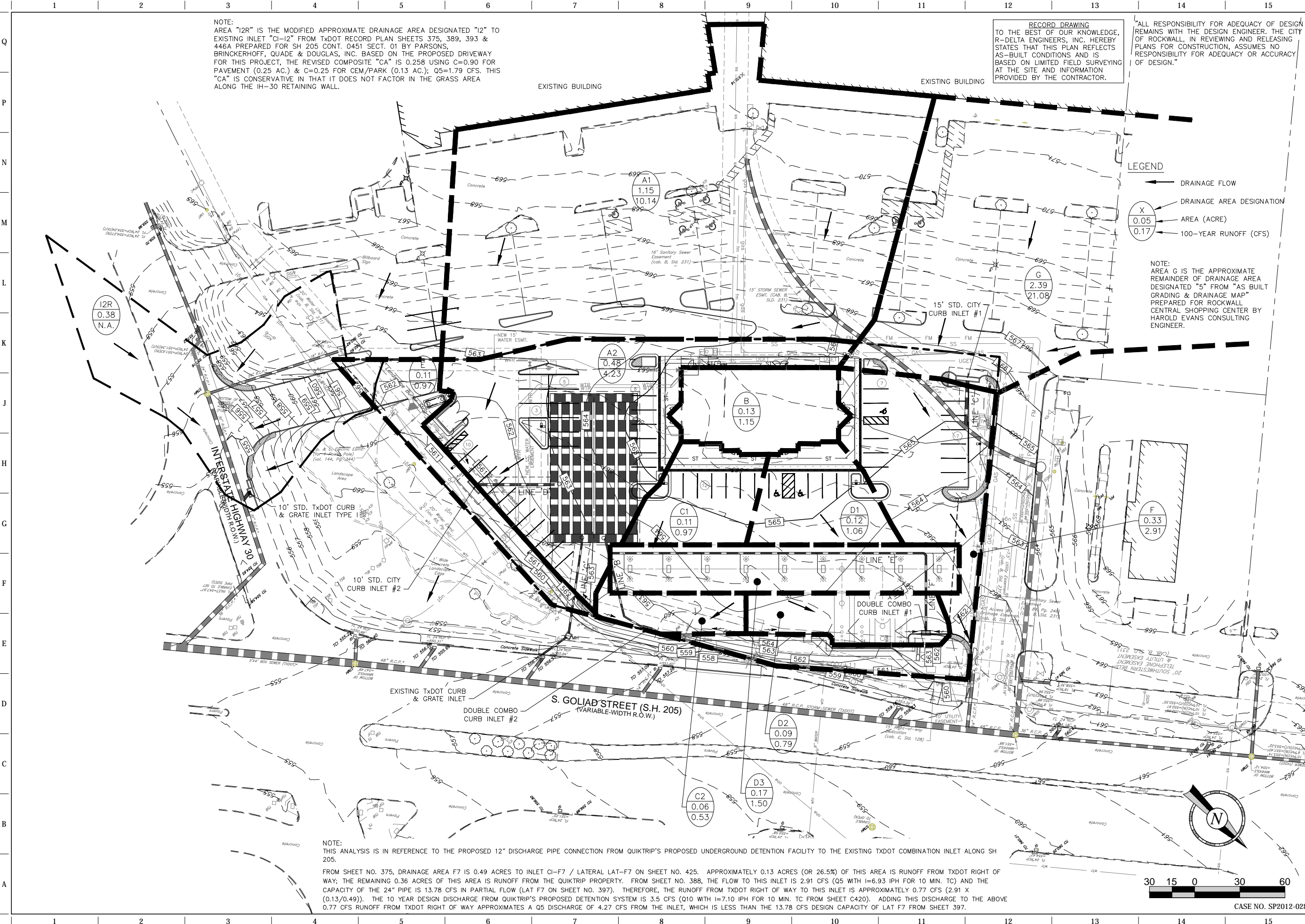
ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
SANITARY SEWER PROFILE

SHEET NUMBER:
C310

CASE NO. SP2012-028

FILE LOCATION:\PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\ P076 - Record Plans.dwg TAB NAME:Post Dev Map USER:prochelle 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 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

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PROJECT NO.: 2088-12

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QuikTrip No. 0935
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PROTOTYPE: P-72 (08/01/12)
DIVISION:
VERSION: 001
DESIGNED BY:
DRAWN BY: KSR
REVIEWED BY:

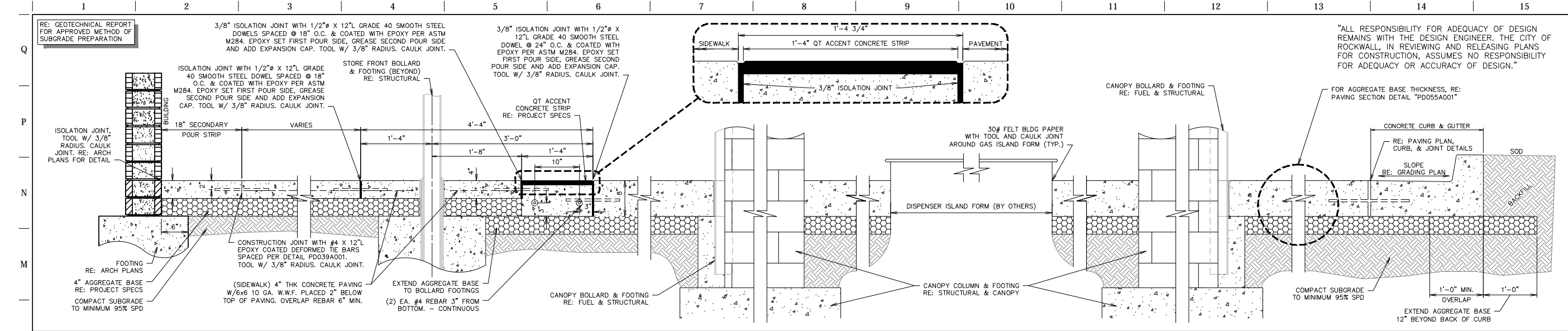
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
POST-DEVELOPED DRAINAGE MAP

SHEET NUMBER:
C410

CASE NO. SP2012-028



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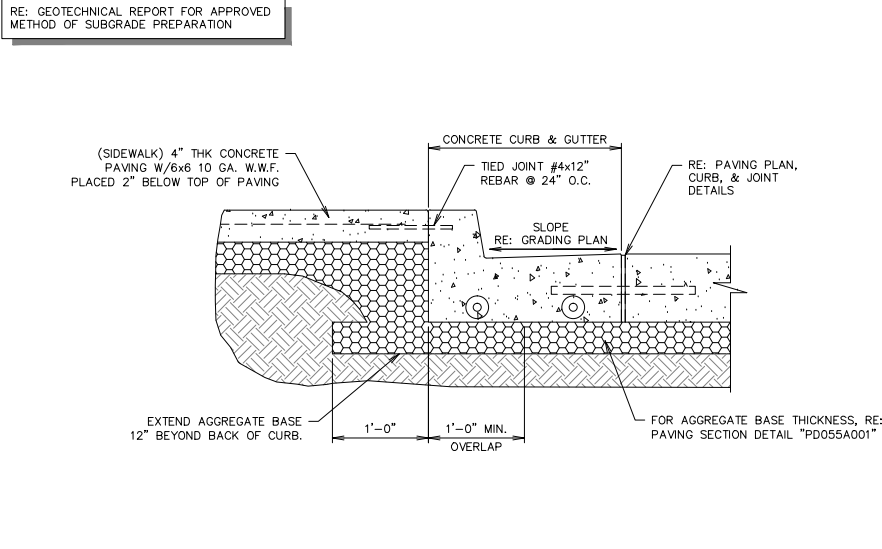
PROJECT NO.: 2088-12

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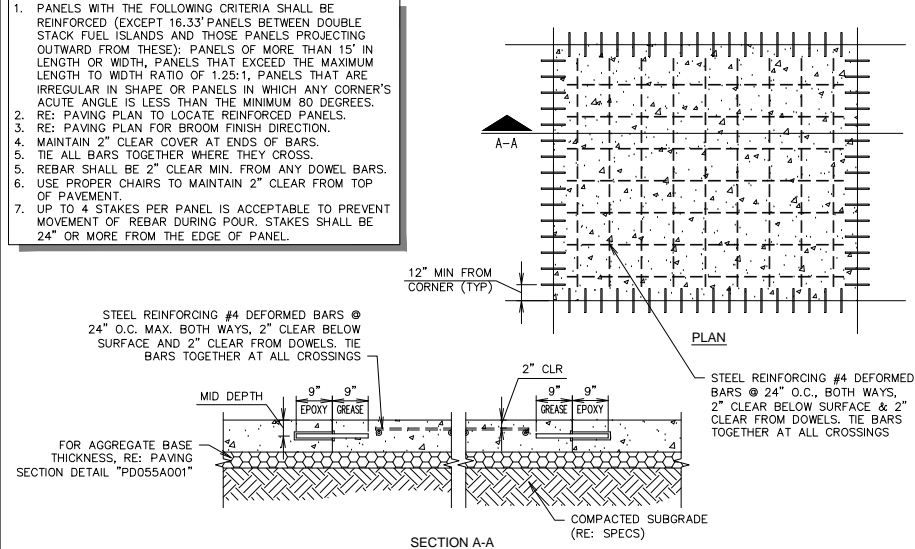
L1 PAVING SECTION THROUGH SITE W/ STORE FRONT BOLLARDS (GEN III)

NTS SN: PD001C010



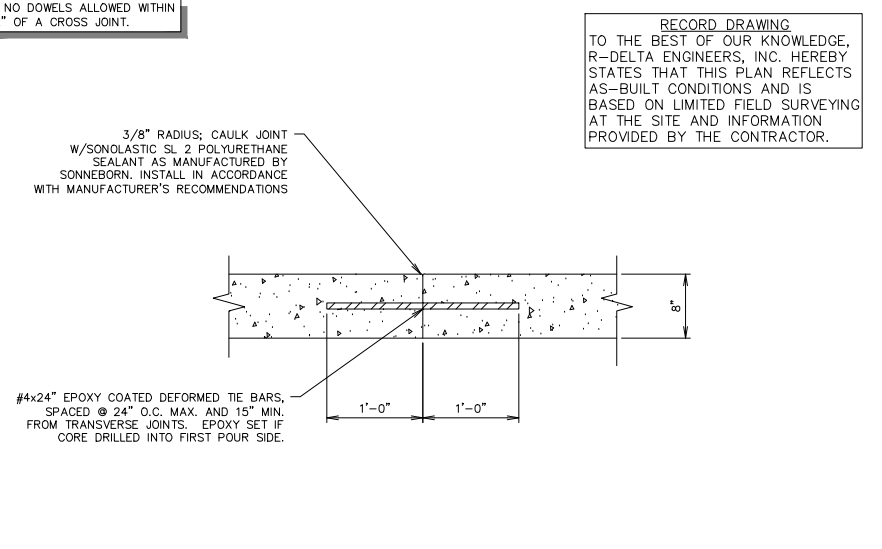
F1 SIDEWALK SECTION ABUTTING CURB & GUTTER - PRIVATE

NTS SN: PD002A007



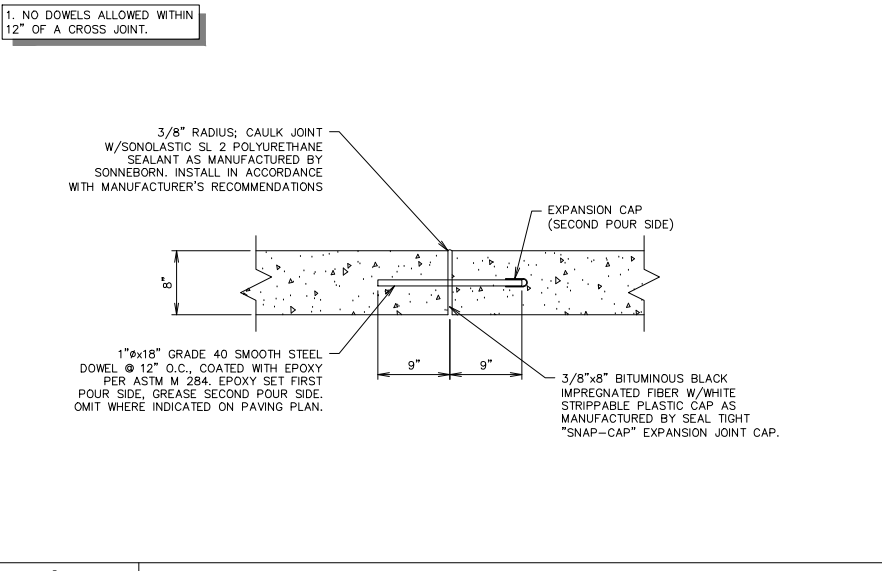
F6 PAVEMENT REINFORCING DETAIL

NTS SN: PD003A006



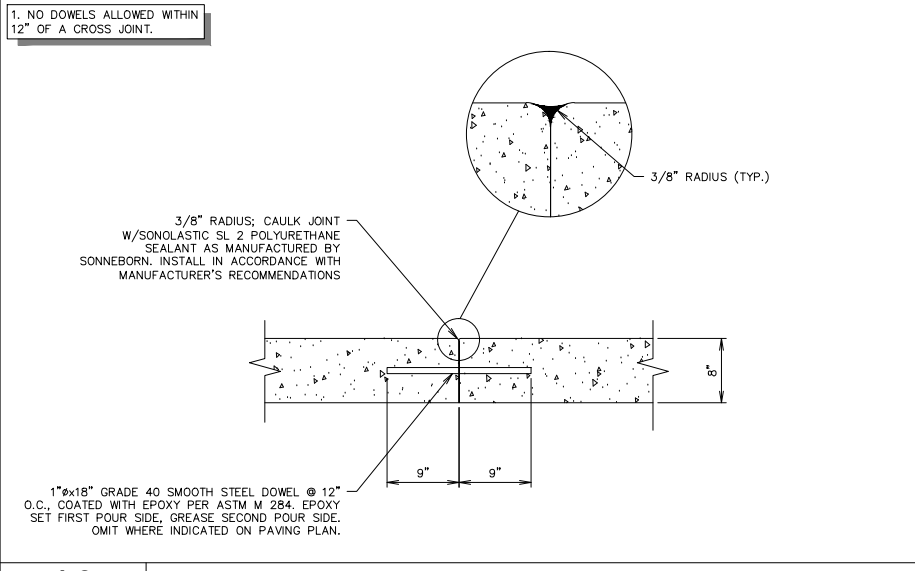
F11 PAVING JOINT - TIED

NTS SN: PD004A005



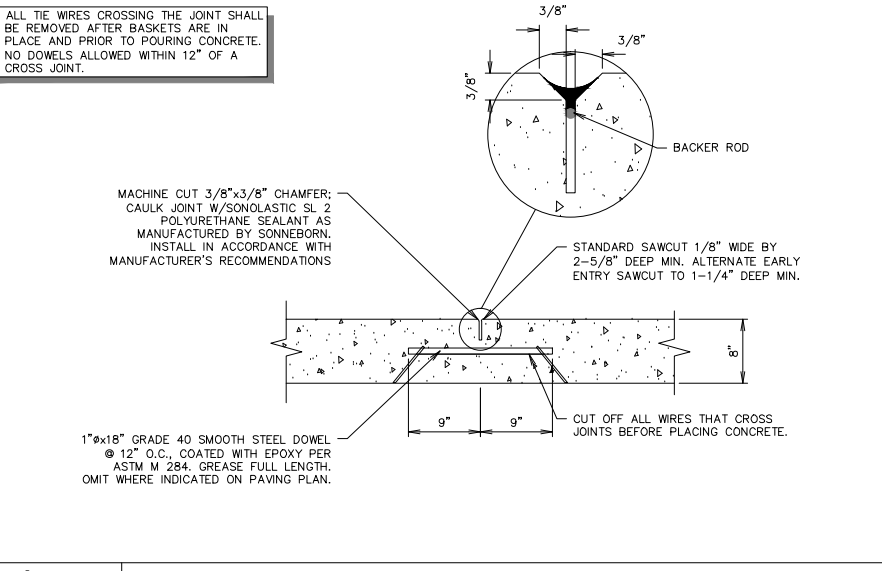
A1 PAVING JOINT - ISOLATION

NTS SN: PD005A004



A6 PAVING JOINT - CONSTRUCTION

NTS SN: PD006A004



A11 PAVING JOINT - CONTRACTION

NTS SN: PD007A005

CASE NO. SP2012-028

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

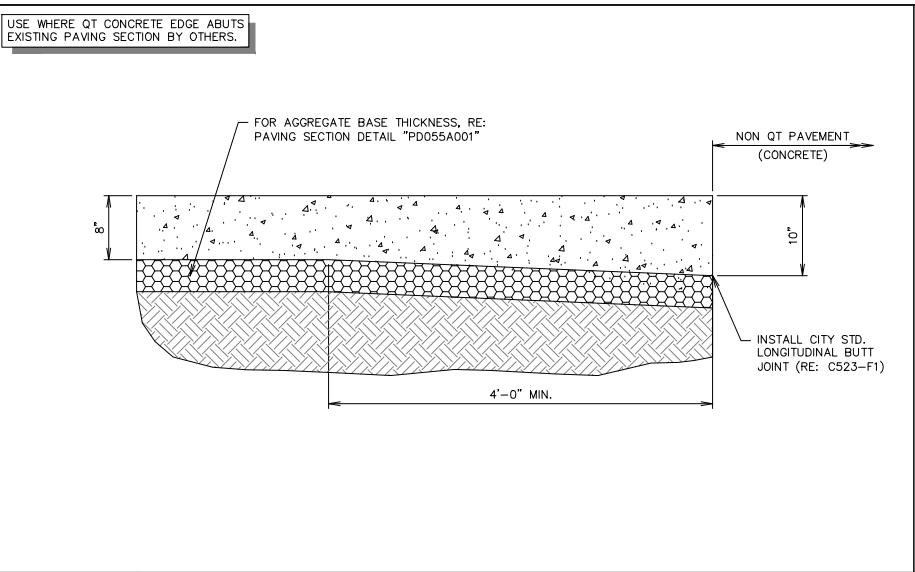
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PAVING DETAILS

SHEET NUMBER:
C520

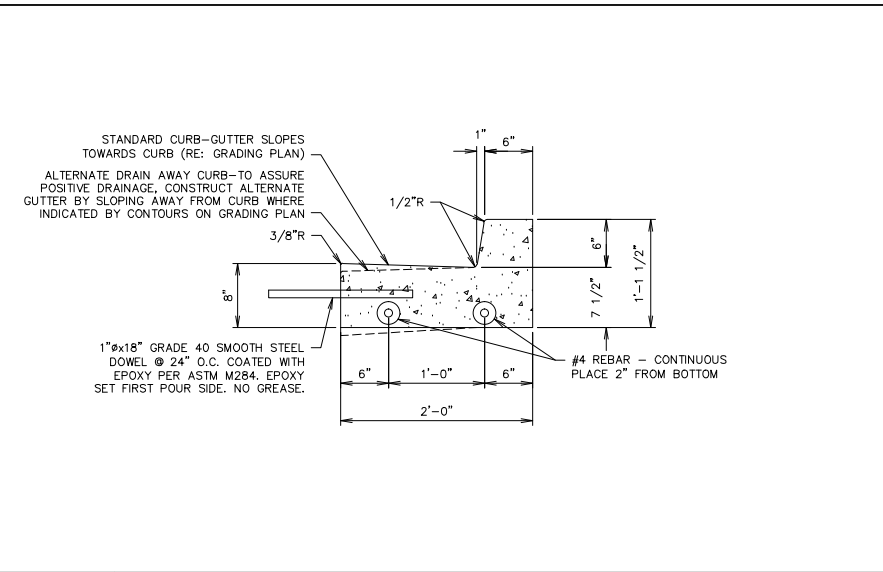
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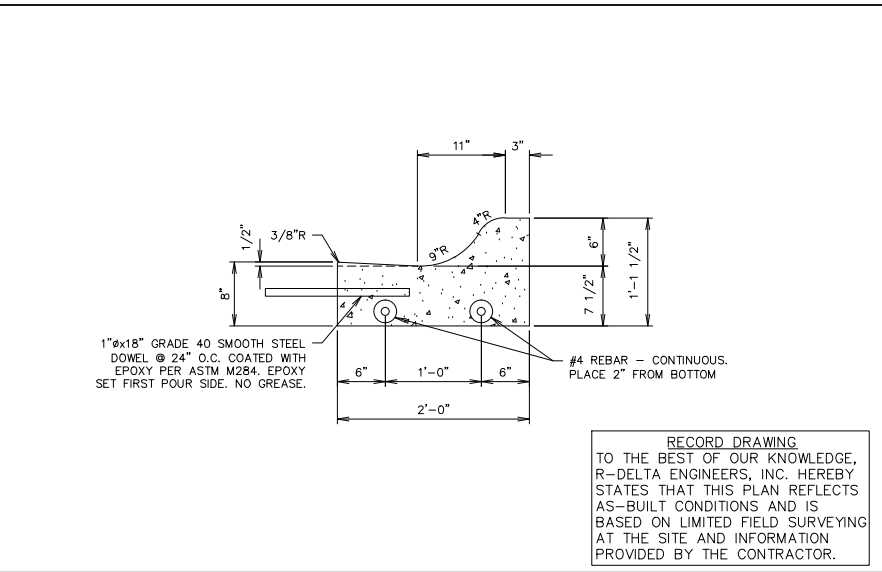
L1 THICKENED EDGE SECTION

NTS SN: PD008A006



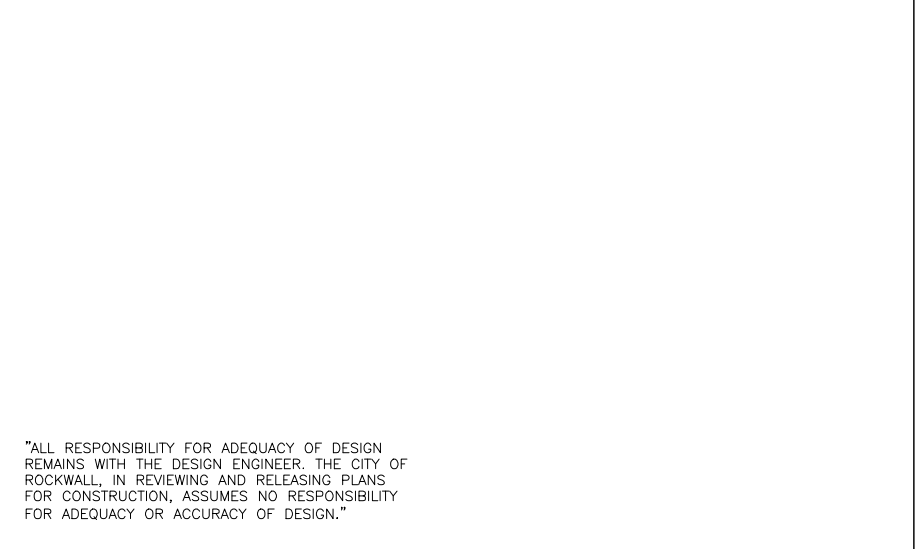
L6 CURB DETAIL - BARRIER

NTS SN: PD009A006



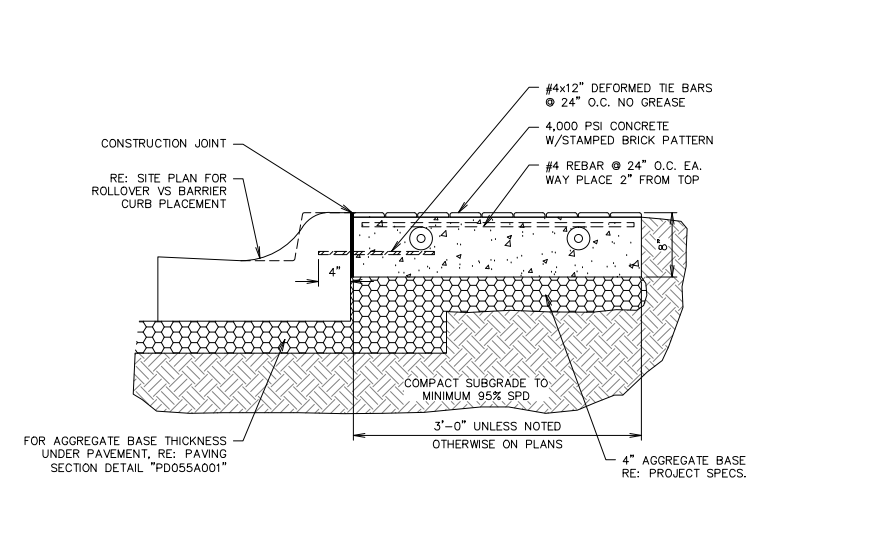
L11 CURB DETAIL - ROLLOVER / MOUNTABLE

NTS SN: PD010A004



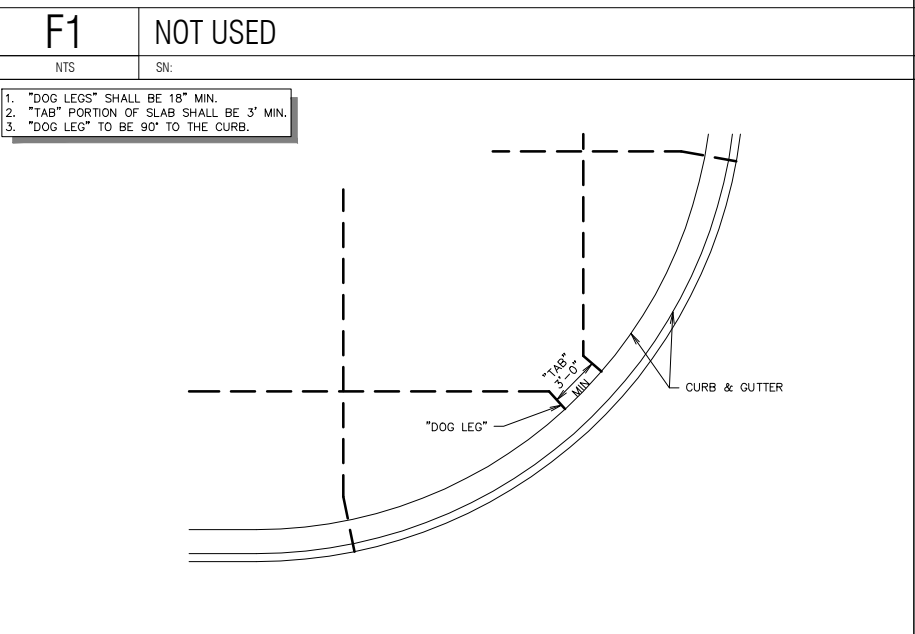
F6 RADIUS PROTECTOR PLAN

NTS SN: PD016A002



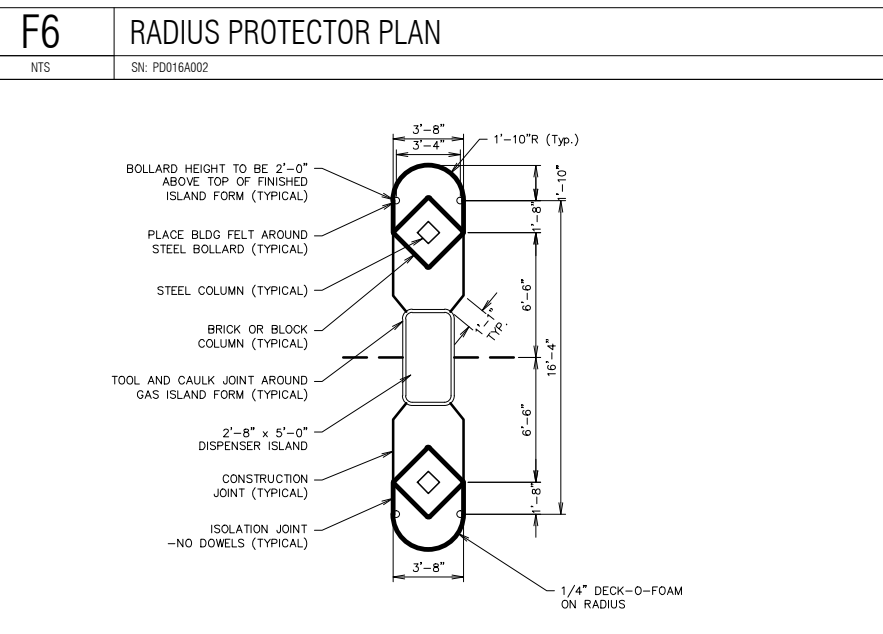
F11 STANDARD RADIUS PROTECTOR SECTION

NTS SN: PD017A007



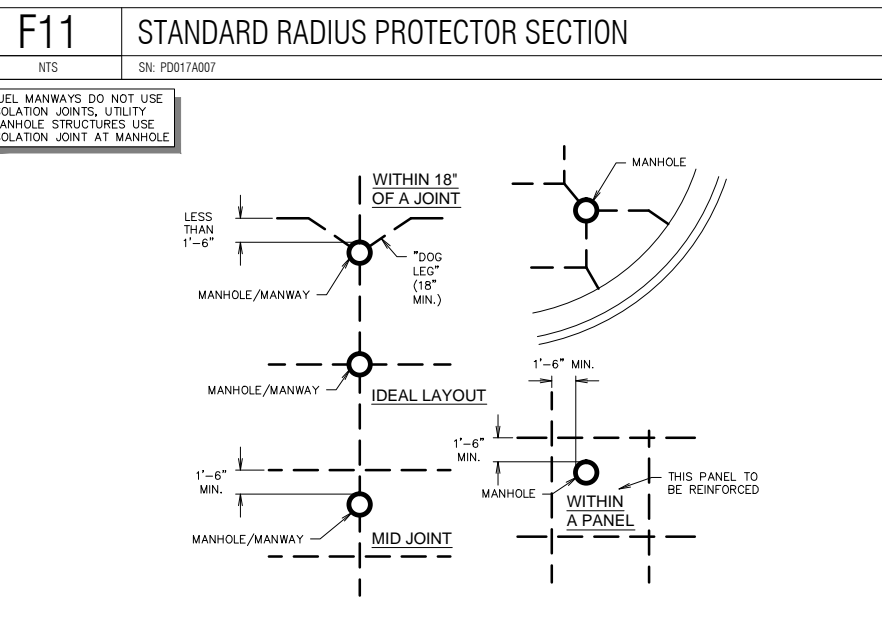
A1 TYPICAL JOINT LAYOUT - AT RADIUS AND ANGLES

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

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DIVISION:

VERSION: 001

DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

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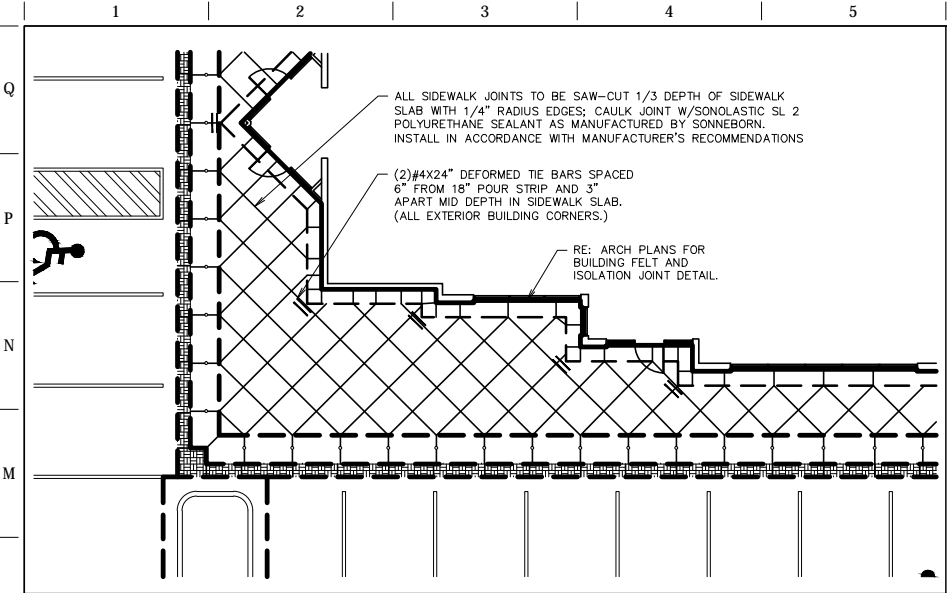
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PAVING DETAILS

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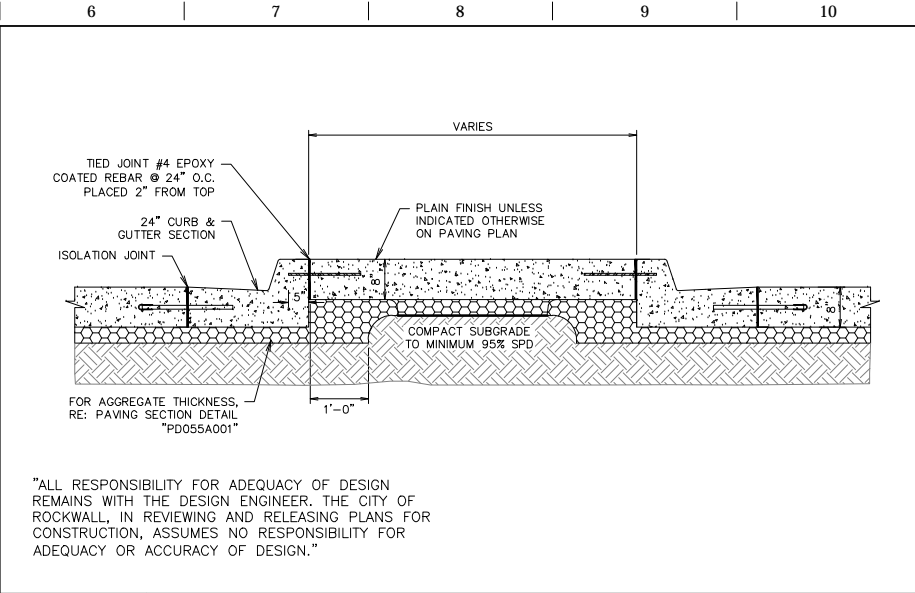
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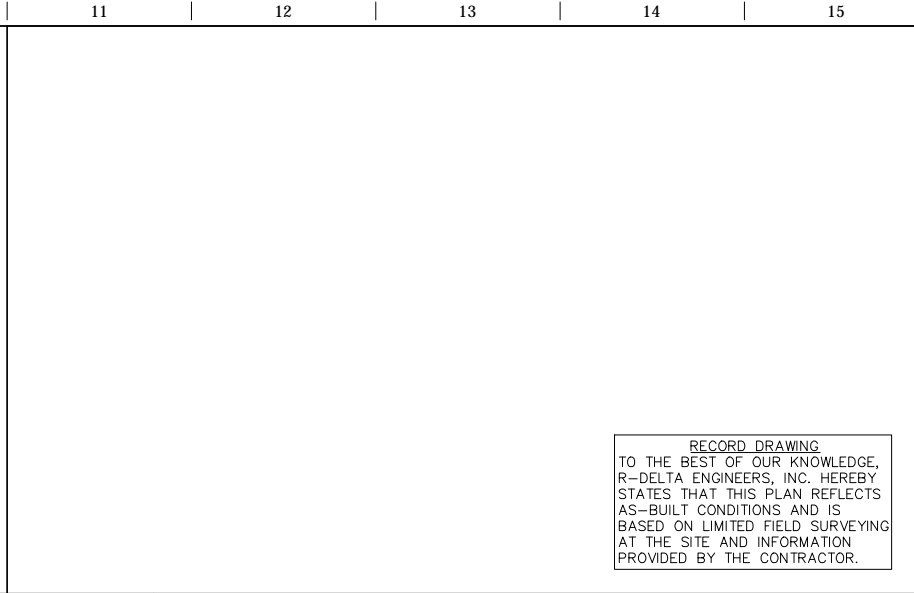
L1 GEN III SIDEWALK REINFORCING AT BUILDING CORNERS

NTS SN: PD022A005



L6 ISLAND SECTION B-B

NTS SN: PD024A006



L11 NOT USED

NTS SN:

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

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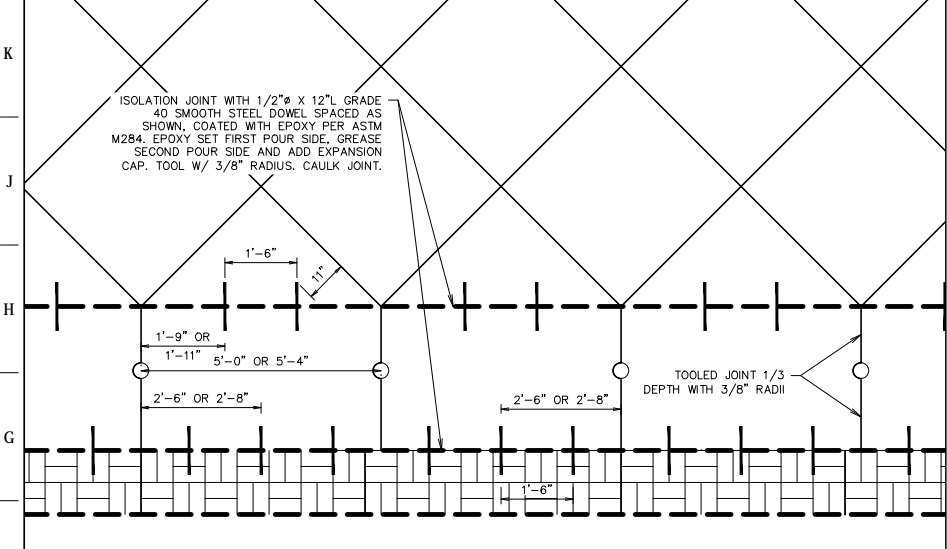
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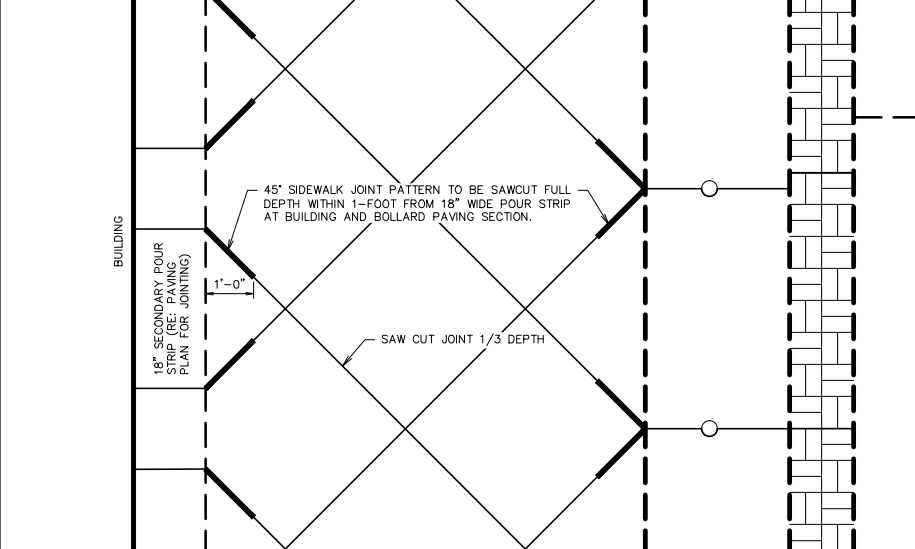
PROTOTYPE: P-72 (08/01/12)

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



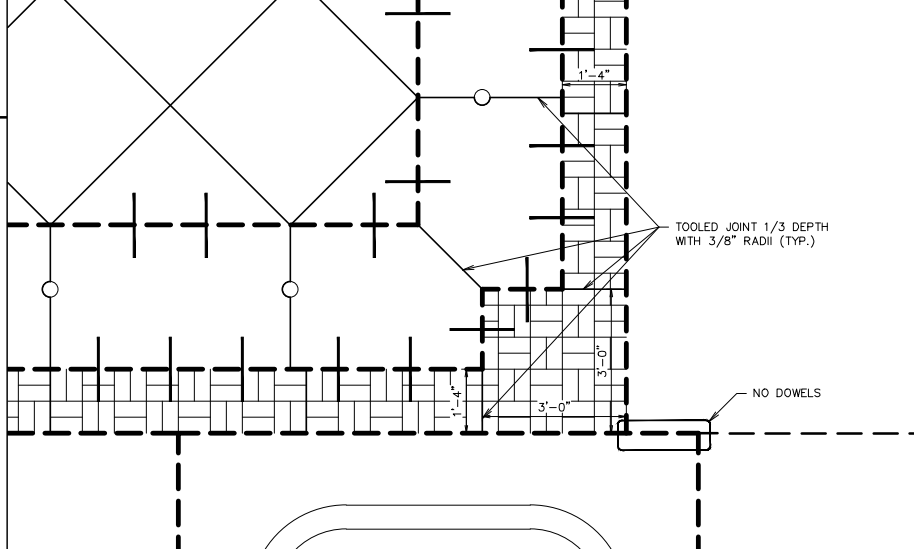
F1 DOWELED EXPANSION JOINTS AT BOLLARD PAVEMENT SECTION

NTS SN: PD036A002



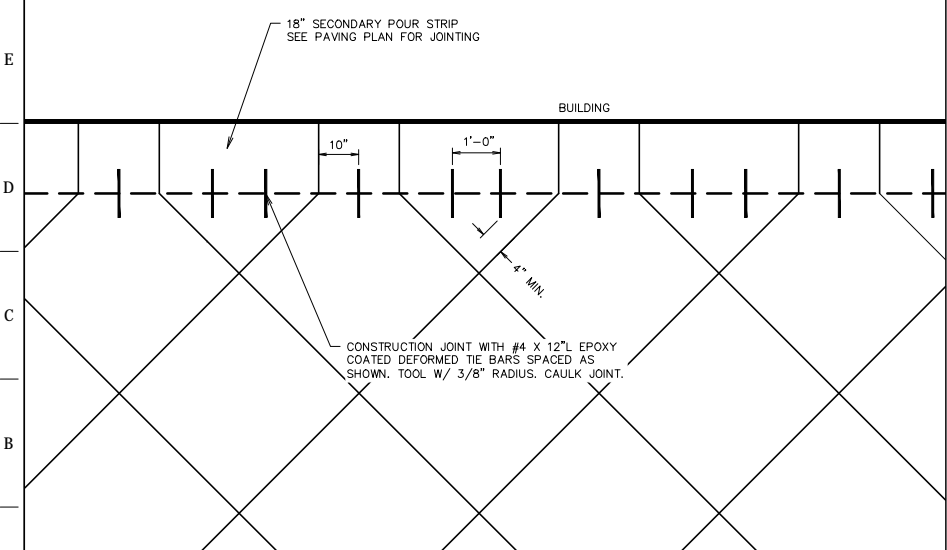
F6 45° SIDEWALK JOINT SAWCUT DETAIL

NTS SN: PD037A002



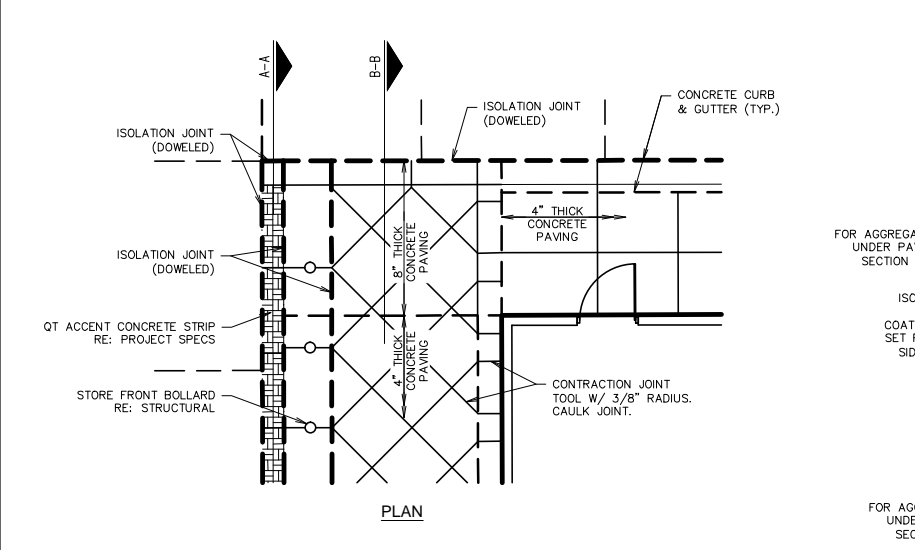
F11 FRONT SIDEWALK QT ACCENT CONCRETE STRIP CORNER DETAIL

NTS SN: PD038A003



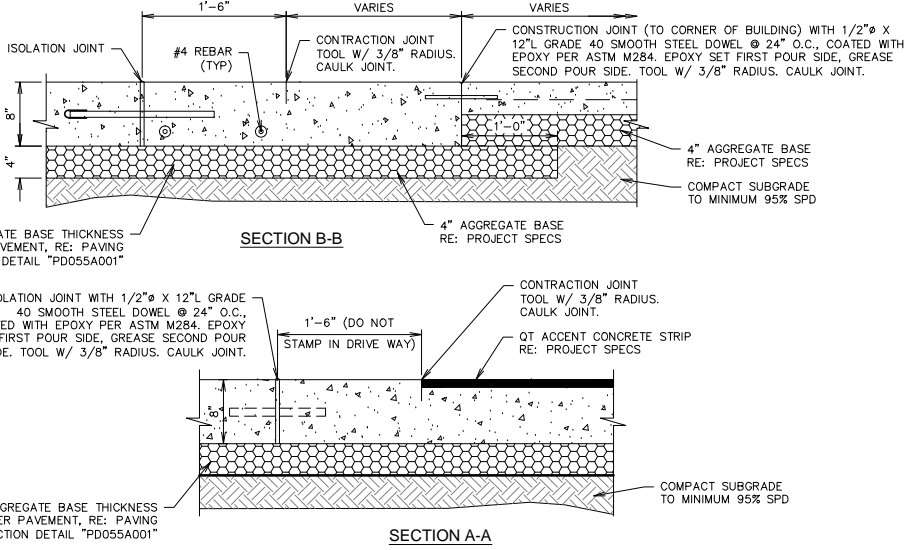
A1 DOWELED JOINT BETWEEN POUR STRIP & FRONT SIDEWALK DETAIL

NTS SN: PD039A001



A6 GEN III QT ACCENT CONCRETE TERMINATION DETAIL

NTS SN: PD040A005



A6 GEN III QT ACCENT CONCRETE TERMINATION DETAIL

NTS SN: PD040A005

REV.	DATE	DESCRIPTION

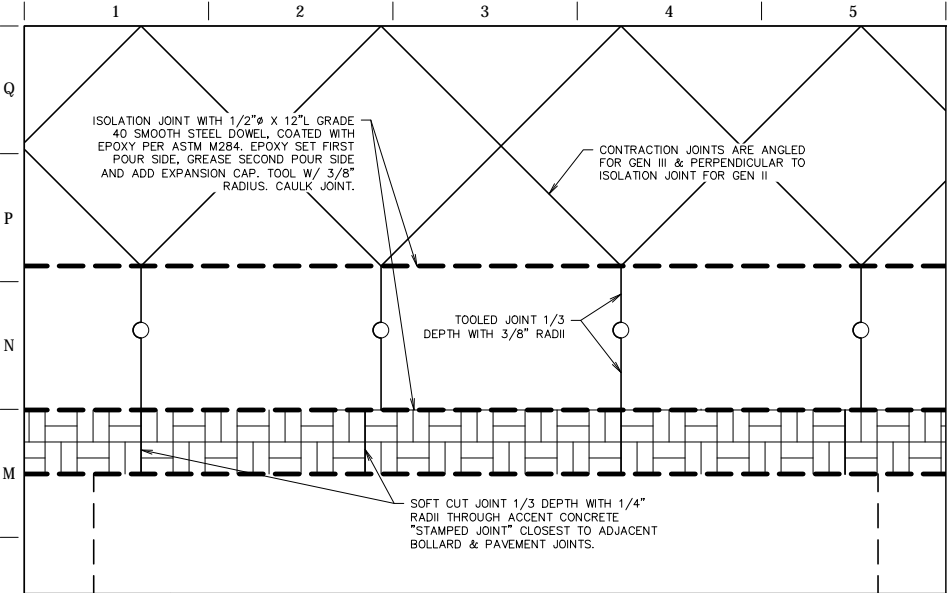
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PAVING DETAILS

SHEET NUMBER:
C522

ORIGINAL ISSUE DATE: 06/18/14

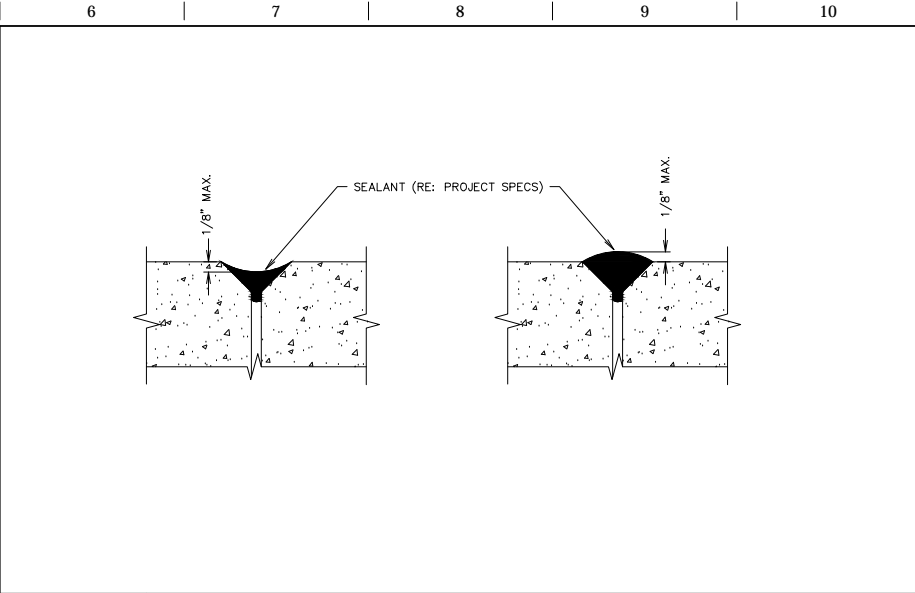
CASE NO. SP2012-028

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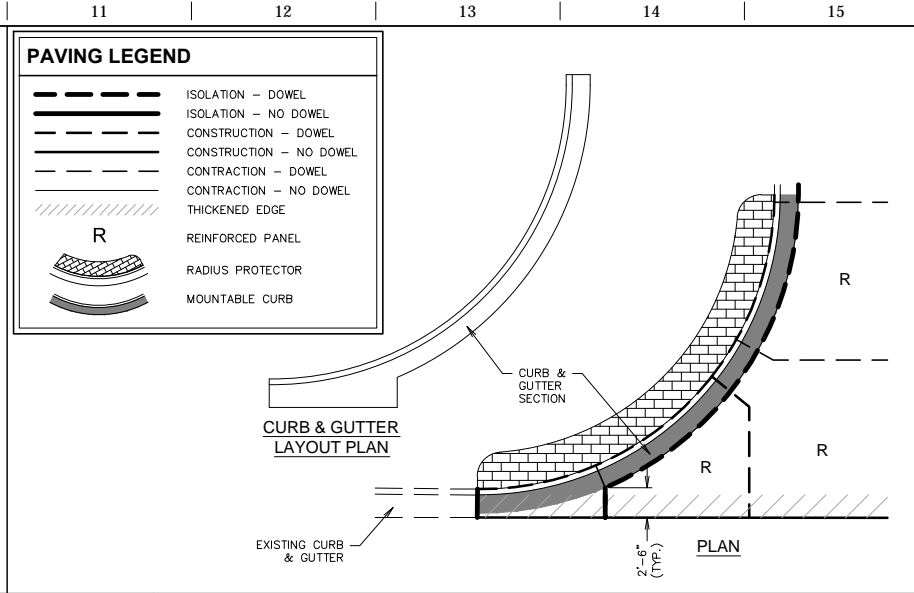
L1 QT ACCENT CONCRETE STRIP JOINTING DETAIL

NTS SN: PD041A003



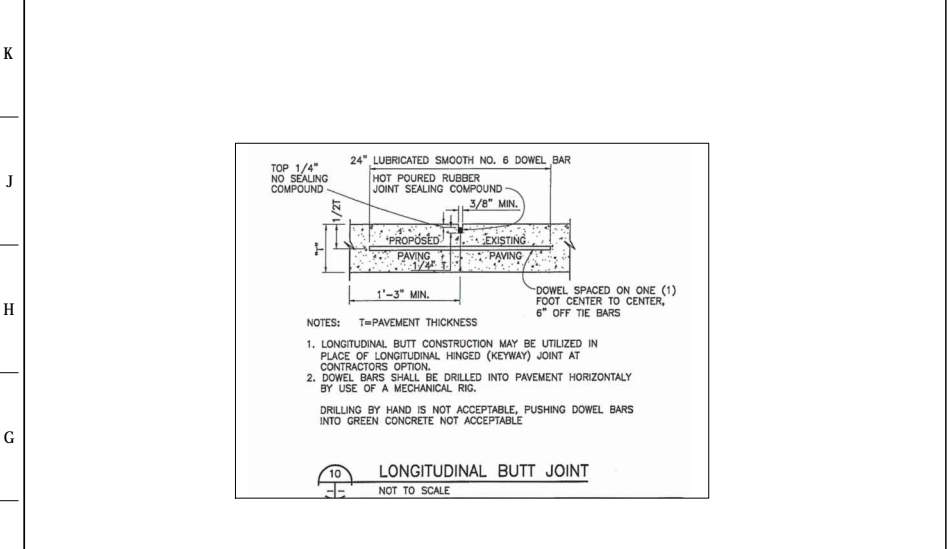
L6 PAVING JOINT - SEALANT TOLERANCE DETAIL

NTS SN: PD042A003



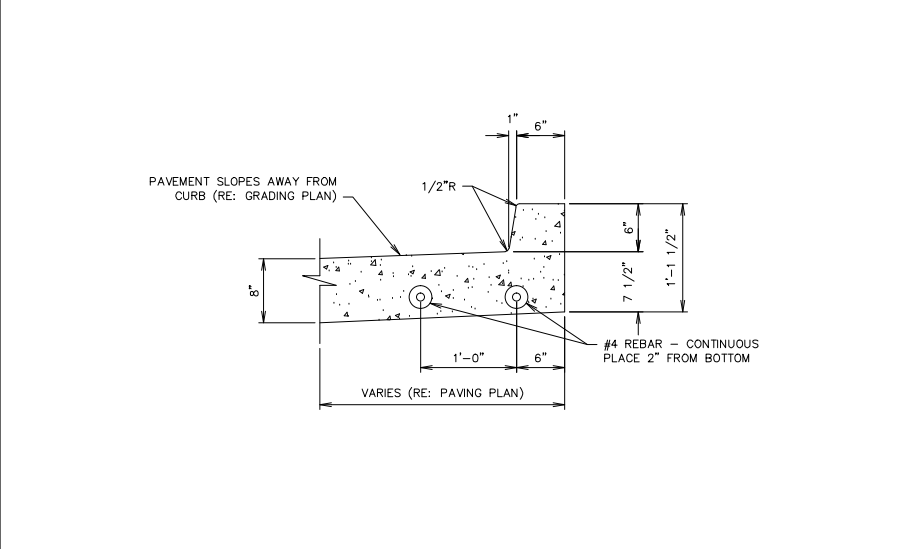
L11 CURB DETAIL - DRIVE ENTRANCE

NTS SN: PD043A001



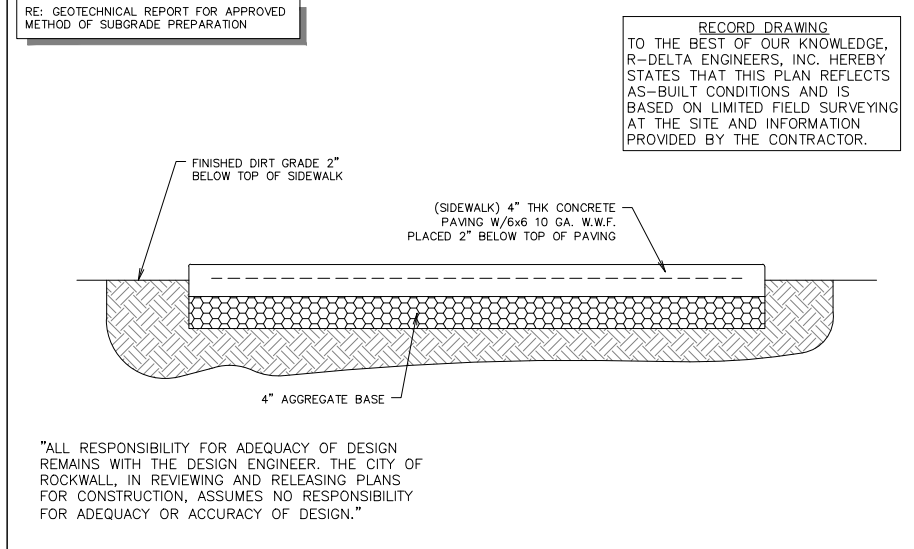
F1 LONGITUDINAL BUTT JOINT

NTS



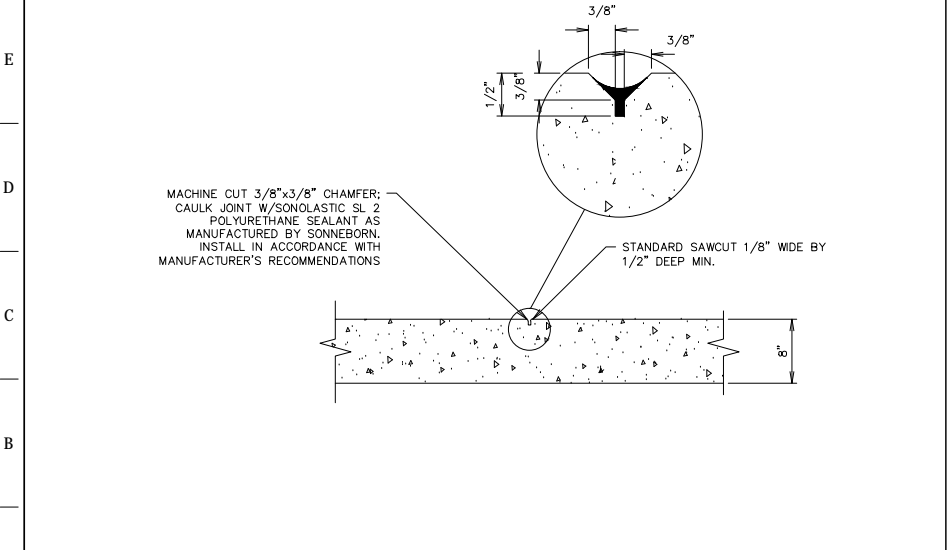
F6 CURB DETAIL - MONOLITHIC @ TANK BUMP OUT

NTS SN: PD048A001



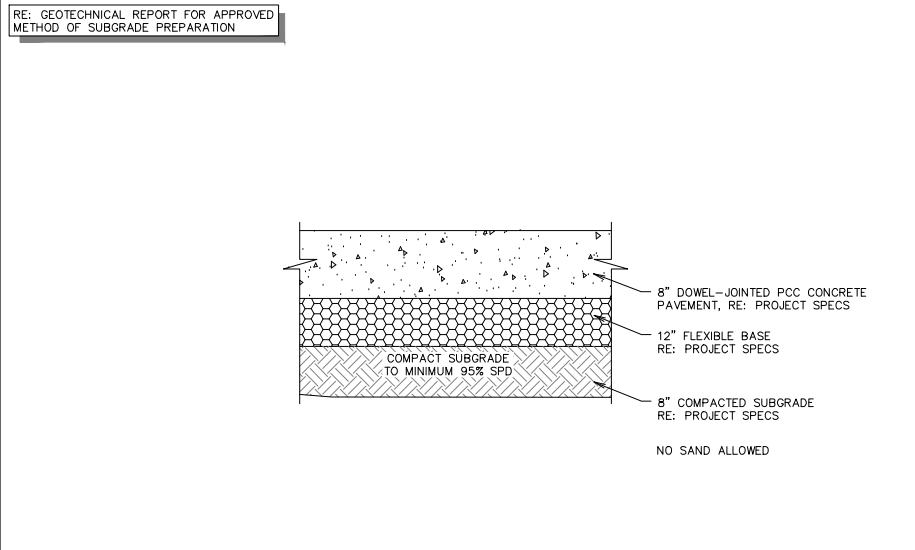
F11 SIDEWALK SECTION - PRIVATE

NTS SN: PD057A001



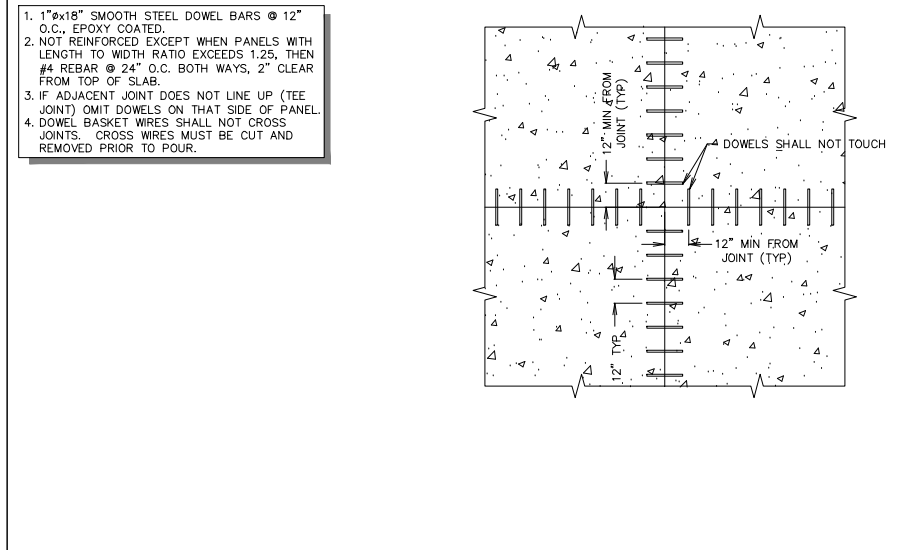
A1 DELINEATED CROSSWALK JOINTING SECTION DETAIL

NTS SN: PD050A001



A6 PAVING SECTION DETAIL (8" FLEXIBLE BASE)

NTS SN: PD055A001



A11 DOWEL - JOINT SEPARATION DETAIL

NTS SN: PD046A001

CASE NO. SP2012-028

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

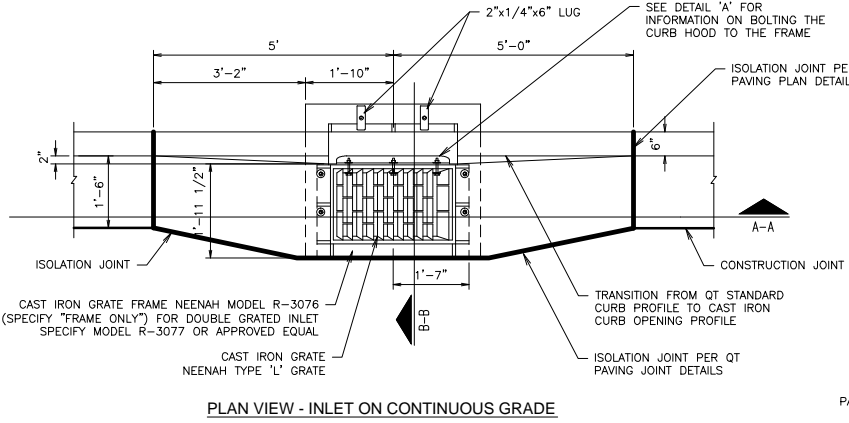
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ORIGINAL ISSUE DATE: 06/18/14

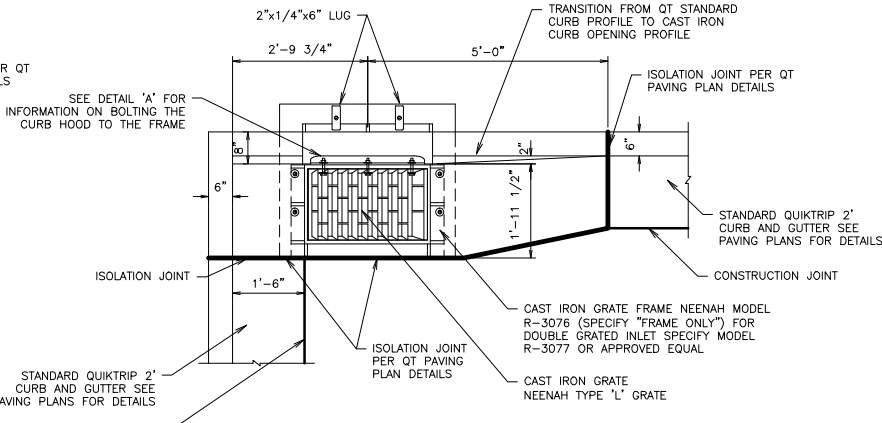
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PAVING DETAILS

SHEET NUMBER:
C523

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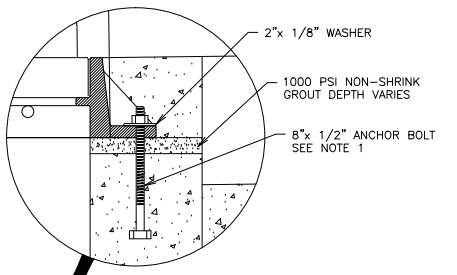


PLAN VIEW - INLET ON CONTINUOUS GRADE

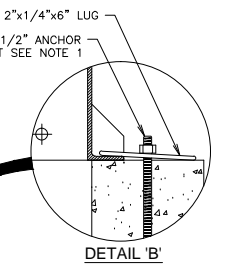


PLAN VIEW - INLET IN 90° PARKING

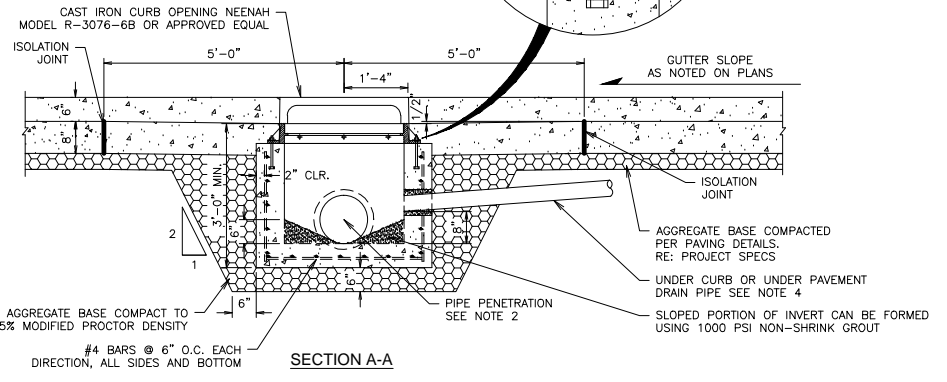
1. CONTRACTOR CAN SUBSTITUTE HILTI DRILLED BOLT SYSTEM FOR ANCHOR BOLT SET IN CONCRETE FOR EASE OF CONSTRUCTION.
2. 12" PIPE IS THE MINIMUM PIPE SIZE ACCEPTED BY QUIKTRIP. PIPE TYPE MAY VARY BY REGION AND MUNICIPALITY. IF HYDRAULICS REQUIRES A LARGER PIPE, DEPTH OF THE INLET MAY NEED TO BE INCREASED. AT NO TIME SHALL THE CLEARANCE FROM THE TOP OF PIPE TO THE BOTTOM OF INLET BE LESS THAN 6".
3. 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".
4. 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.



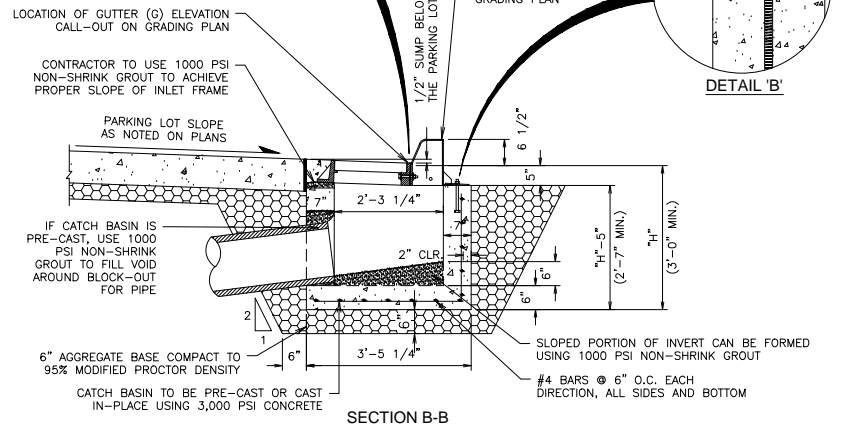
DETAIL 'A'



DETAIL 'B'



SECTION A-A

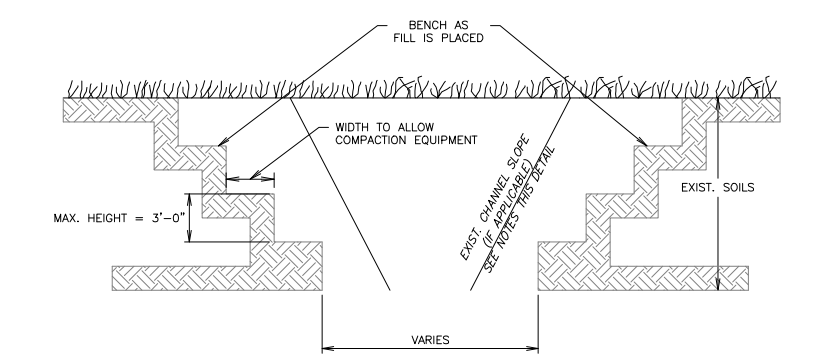


SECTION B-B

F1 CATCH BASIN INLET DETAIL (SINGLE) - PRIVATE

NTS SN: DD001A007

- EXISTING CHANNEL EXCAVATION NOTES:**
1. MUCK TO SUITABLE SOIL OR BEDROCK (SEE QT REF).
 2. #57 STONE WITH FILTER FABRIC AT BOTTOM OF FINISHED CHANNEL - TO BE PLACED IF BEDROCK IS ENCOUNTERED.



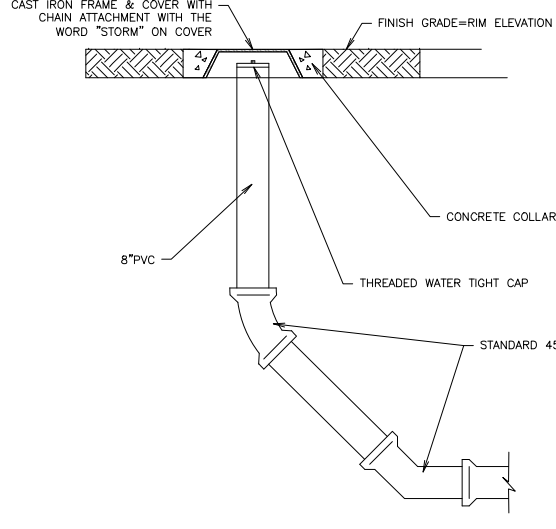
A1 EXCAVATION BENCHING DETAIL

NTS SN: TD014A002

"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."

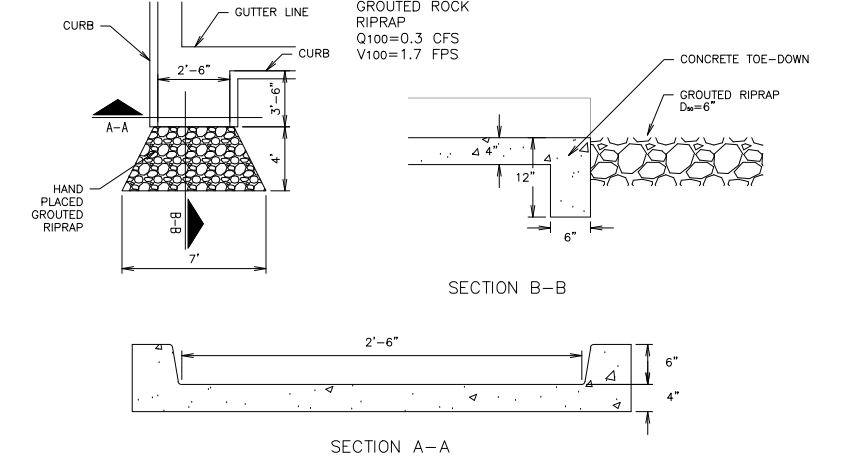
A6 NOT USED

NTS SN:



L11 SD CLEANOUT - PRIVATE

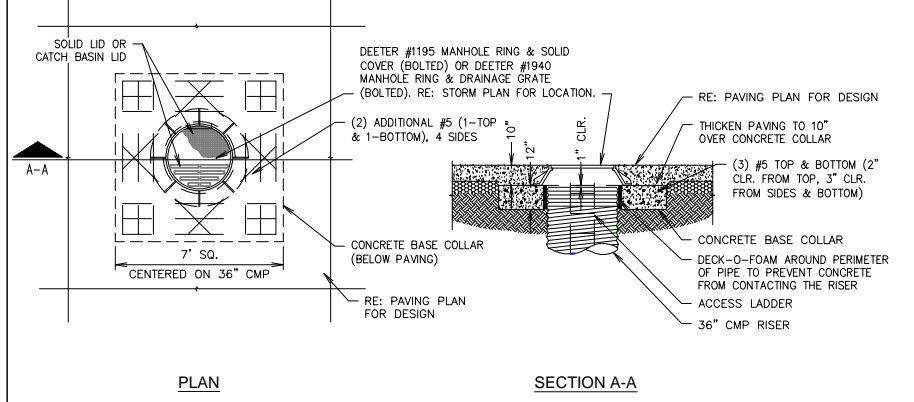
NTS SN: DD010A002



F11 2'-6" CURB OPENING

NTS SN: DD013A002

CONCRETE BASE COLLAR SHALL BEAR ON SOIL CAPABLE OF SUSTAINING 2500 PSF WITHOUT UNDUE SETTLEMENT OR HEAVE.



A11 DETENTION STRUCTURE RISER IN PAVEMENT DETAIL

NTS SN: DD024A002

CASE NO. SP2012-028

RECORD DRAWING

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PROJECT NO.: 2088-12

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QuikTrip No. 0935

NWC OF COLLAD AND I-30
ROCKWALL, TX.

QT

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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

ORIGINAL ISSUE DATE: 06/18/14

FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\DETAILS Drainage-P73.dwg TAB NAME: Drainage Detail Sheet 2 USER: pprochele 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 COVER RECOMMENDED 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 COVER RECOMMENDED 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.		BY	MM/DD/YY	CHKD

DESIGNED BY: **ADS** 4640 TRULAMAN BLVD HILLIARD, OHIO 43026
DRAWING NUMBER: STD-101

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 DETENTION 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"	79.5"	18"	12"	24"
(1200 MM)	(1372 MM)	(635 MM)	(1994 MM)	(457 MM)	(292 MM)	(610 MM)
60"	67"	24"	90"	18"	12"	24"
(1500 MM)	(1702 MM)	(610 MM)	(2286 MM)	(457 MM)	(292 MM)	(610 MM)

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 DETENTION DETAIL

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

DESIGNED BY: **ADS** 4640 TRULAMAN BLVD HILLIARD, OHIO 43026
DRAWING NUMBER: STD-702

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)	1" 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 RISER/CLAN-OUT DETAIL

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED 60" FITTINGS NOTE	TJR	07/05/08	CKS
REV.		BY	MM/DD/YY	CHKD

DESIGNED BY: **ADS** 4640 TRULAMAN BLVD HILLIARD, OHIO 43026
DRAWING NUMBER: STD-703

PROJECT NOTES:

- LOAD BEARING CONCRETE COLLAR AS SPECIFIED BY THE DESIGN ENGINEER (WHERE REQUIRED).
- HEAVY DUTY TRAFFIC RATED CAST FRAME & GRATE (BY OTHERS).
- REFER TO STD-702 FOR COVER HEIGHT DETAILS.
- CLASS I OR II MATERIAL PER ASTM D2321, LATEST EDITION, COMPACTED IN MAX. 8" LOOSE LIFTS TO 95% MIN. OF MAX. SPD.
- BEDDING (CLASS I OR II MATERIAL) = 4" MIN. FOR 12" - 24" HOPE PIPE = 6" MIN. FOR 30" - 60" HOPE PIPE.
- CLASS I OR II MATERIAL PER ASTM D2321, LATEST EDITION, COMPACTED IN MAX. 8" LOOSE LIFTS TO 95% MIN. OF MAX. SPD.
- HEAVY DUTY TRAFFIC RATED CASTING AND LID.
- SOLID WALL HOPE CLEANOUT (SPECIFY DIAMETER).
- REFER TO STD-702 FOR COVER HEIGHT DETAILS.
- CLASS I OR II MATERIAL PER ASTM D2321, LATEST EDITION, COMPACTED IN MAX. 8" LOOSE LIFTS TO 95% MIN. OF MAX. SPD.
- BEDDING (CLASS I OR II MATERIAL) = 4" MIN. FOR 12" - 24" HOPE PIPE = 6" MIN. FOR 30" - 60" HOPE PIPE.
- LOAD BEARING CONCRETE COLLAR SHALL BE CONSTRUCTED IN TRAFFIC AREAS SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER.

TYPICAL RISER/CLAN-OUT DETAIL

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED 60" FITTINGS NOTE	TJR	07/05/08	CKS
REV.		BY	MM/DD/YY	CHKD

DESIGNED BY: **ADS** 4640 TRULAMAN BLVD HILLIARD, OHIO 43026
DRAWING NUMBER: STD-703

NOTES:

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- REFER TO STD-702 FOR COVER HEIGHT DETAILS.
- CLASS I OR II MATERIAL PER ASTM D2321, LATEST EDITION, COMPACTED IN MAX. 8" LOOSE LIFTS TO 95% MIN. OF MAX. SPD.
- BEDDING (CLASS I OR II MATERIAL) = 4" MIN. FOR 12" - 24" HOPE PIPE = 6" MIN. FOR 30" - 60" HOPE PIPE.
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- HEAVY DUTY TRAFFIC RATED CASTING AND LID.
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TYPICAL RISER/CLAN-OUT DETAIL

REV.	DESCRIPTION	BY	DATE	CHKD
2	ADDED 60" FITTINGS NOTE	TJR	07/05/08	CKS
REV.		BY	MM/DD/YY	CHKD

DESIGNED BY: **ADS** 4640 TRULAMAN BLVD HILLIARD, OHIO 43026
DRAWING NUMBER: STD-703

RECORD DRAWING

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PROJECT NO.: 2088-12

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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.

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

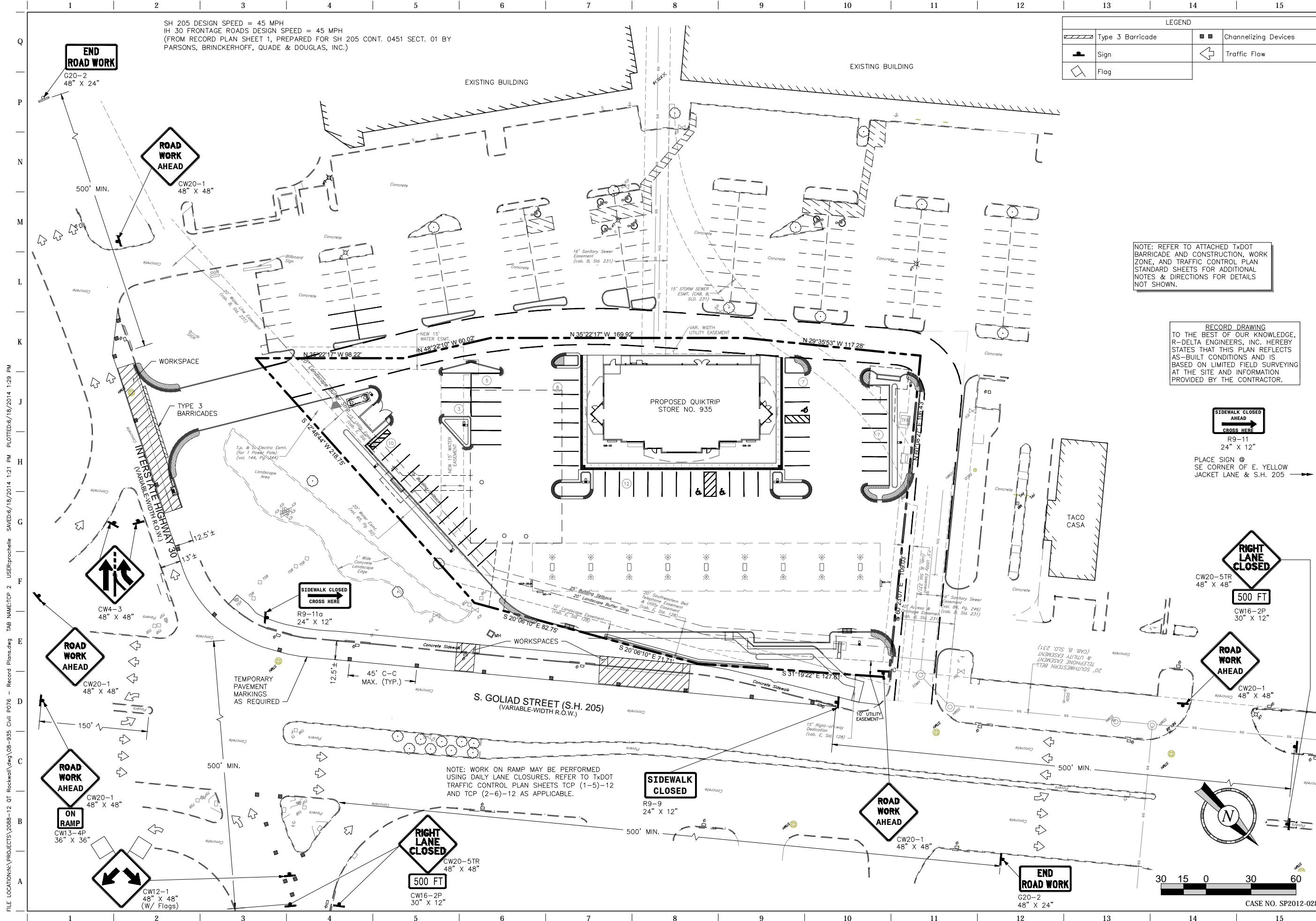
REV. DATE DESCRIPTION

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.

SIDEWALK CLOSED AHEAD
R9-11
24" X 12"

PLACE SIGN @ SE CORNER OF E. YELLOW JACKET LANE & S.H. 205

RIGHT LANE CLOSED
CW20-5TR
48" X 48"

500 FT

CW16-2P
30" X 12"

ROAD WORK AHEAD
CW20-1
48" X 48"

500 FT

CW20-1
48" X 48"

SIDEWALK CLOSED
R9-9
24" X 12"

RIGHT LANE CLOSED
CW20-5TR
48" X 48"

500 FT

CW16-2P
30" X 12"

END ROAD WORK
G20-2
48" X 24"



CASE NO. SP2012-028

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PROJECT NO.: 2088-12

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NWC OF GOLIAD AND I-30
ROCKWALL, TX.



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DRAWN BY:	KSR
REVIEWED BY:	

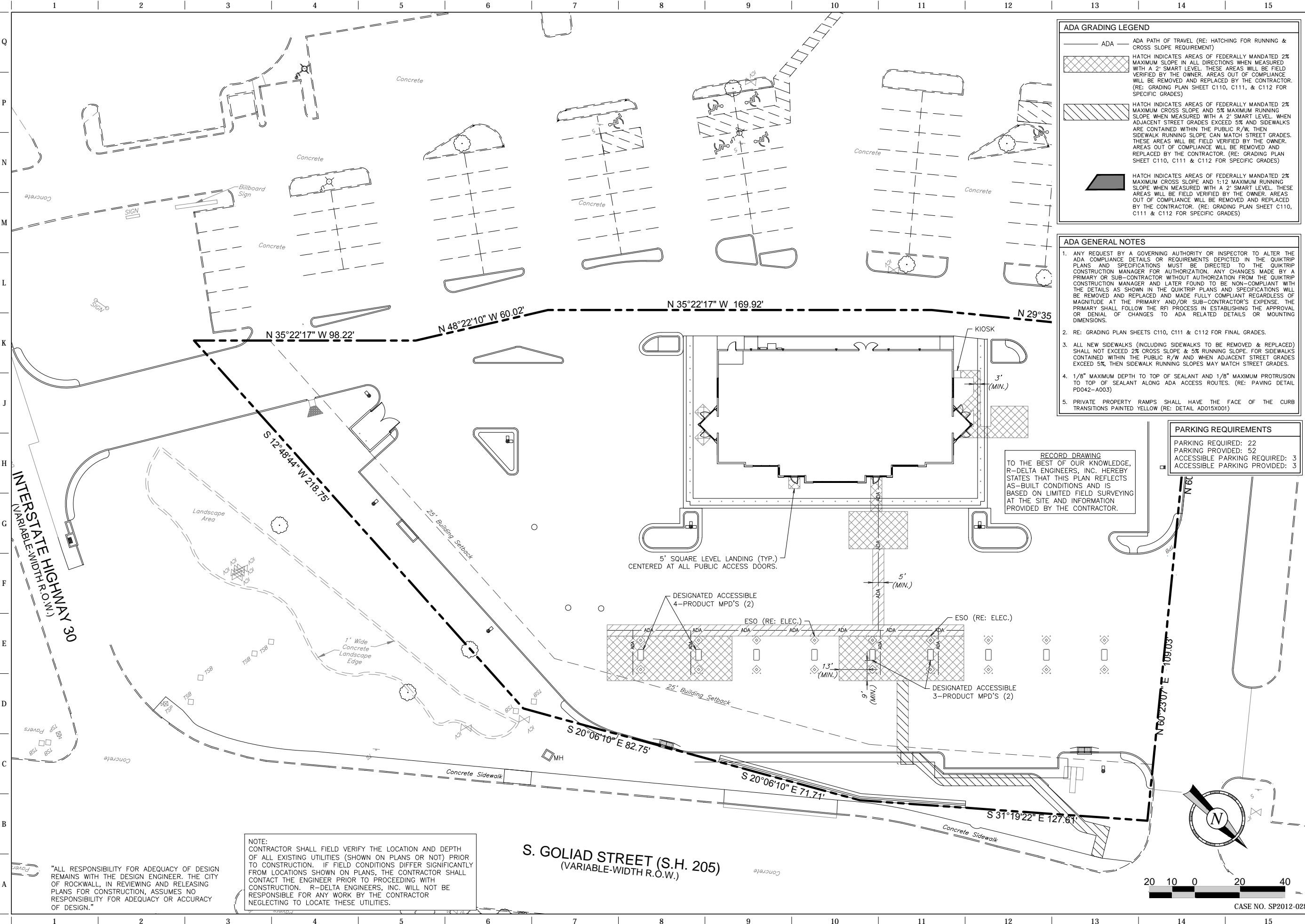
REV.	DATE	DESCRIPTION

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: pprochelle SAVED: 06/18/2014 1:21 PM PLOTTED: 06/18/2014 1:29 PM

FILE LOCATION: \PROJECTS\2088-12 QT Rockwall\dwg\08-935 Civil\076 - Record Plans.dwg TAB NAME: ADA USER: rprochelle SAVED: 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 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
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NWC OF GOLIAD AND I-30
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QT

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

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

REV	DATE	DESCRIPTION

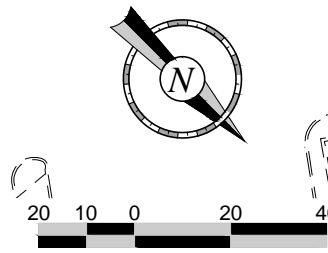
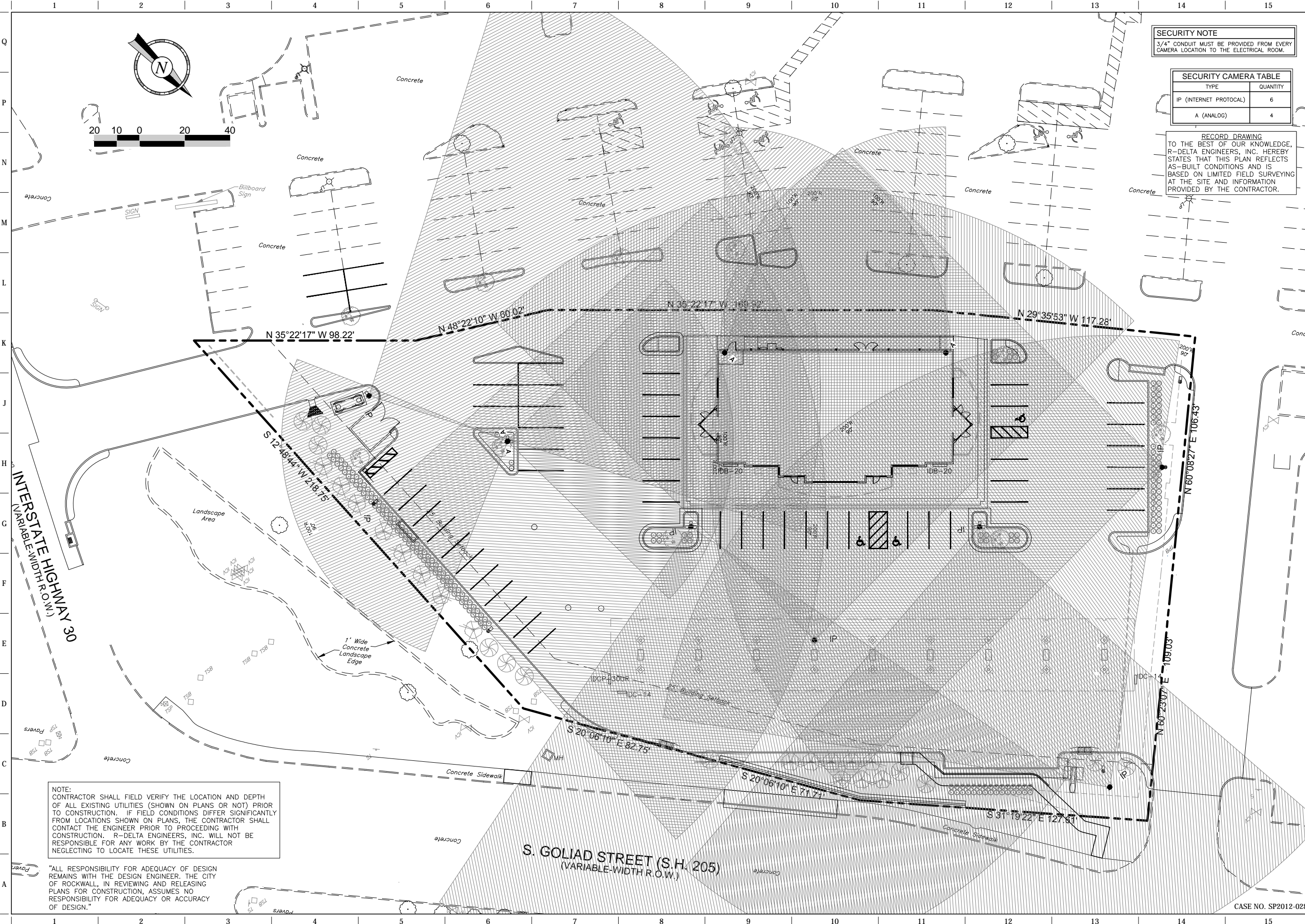
ORIGINAL ISSUE DATE: 06/18/14

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 SAVES: 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.

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PROJECT NO.: 2088-12

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 ROCKWALL, TX.

QT

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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\2088-12 QT Rockwall\dwg\DETAILS Trenching-073.dwg TAB NAME: Trenching Detail Sheet 1 USER: prochelle SAVED: 6/18/2014 1:34 PM PLOTTED: 6/18/2014 1:41 PM

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Q
P
N
M
L

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L1 NOT USED
NTS SN:

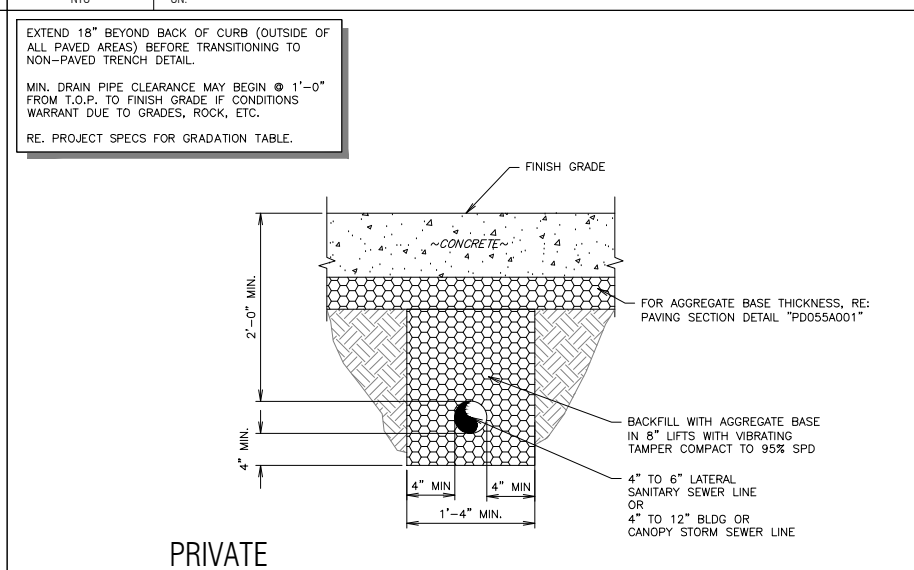
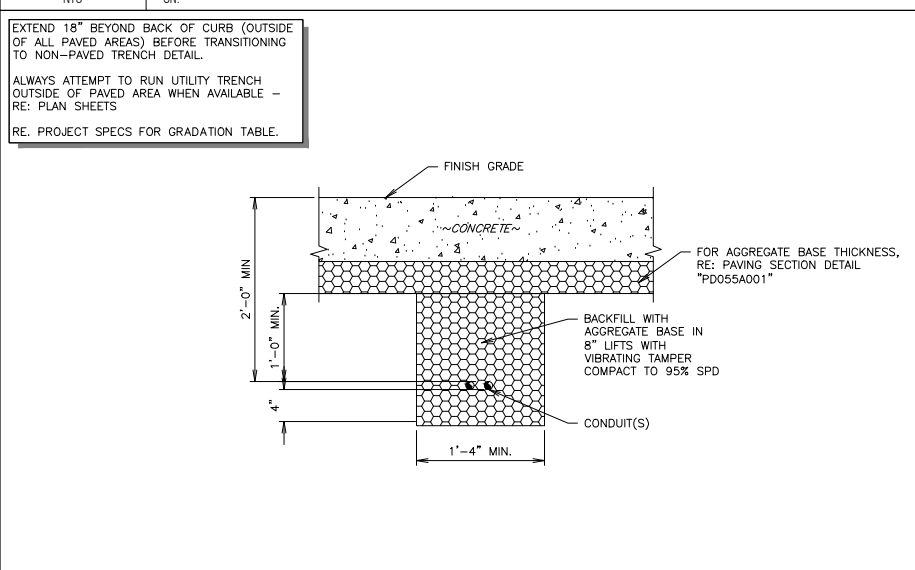
L6 NOT USED
NTS SN:

L11 NOT USED
NTS SN:

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

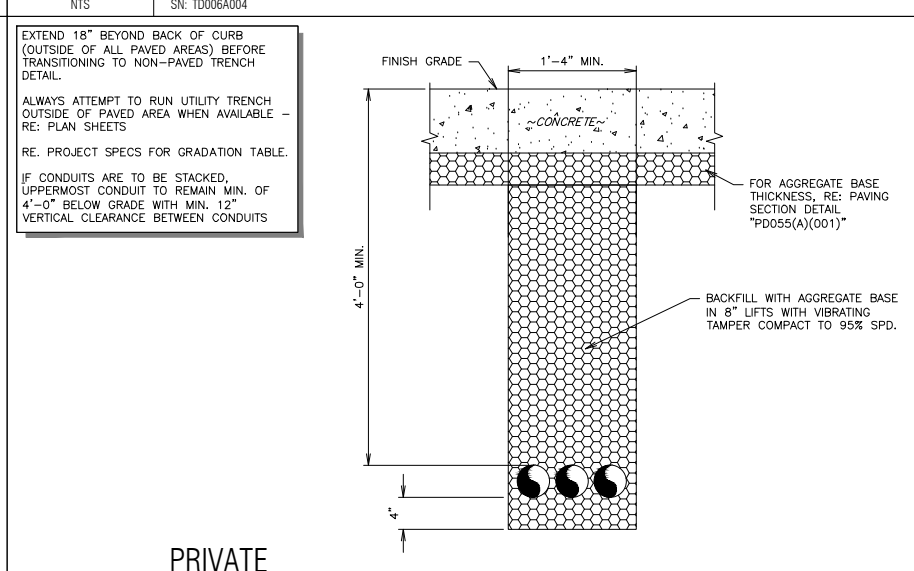
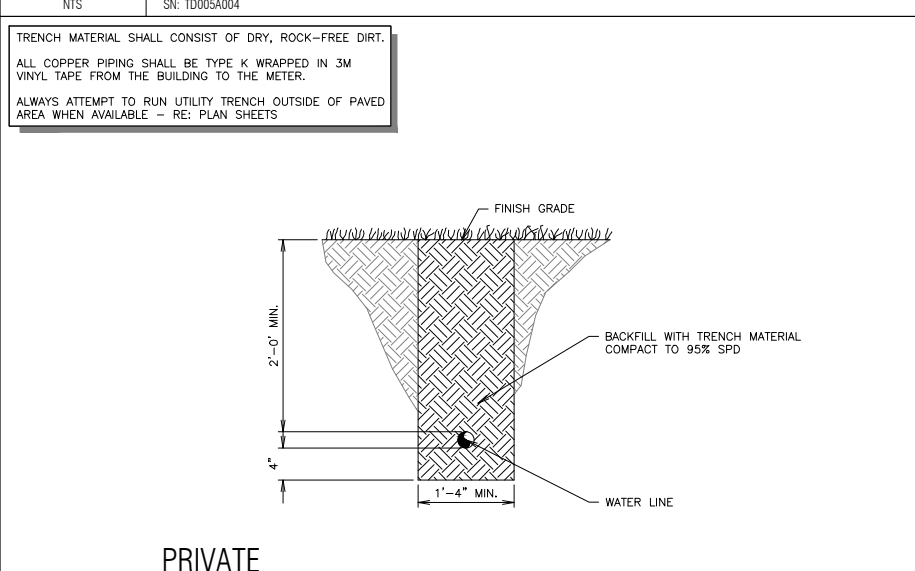
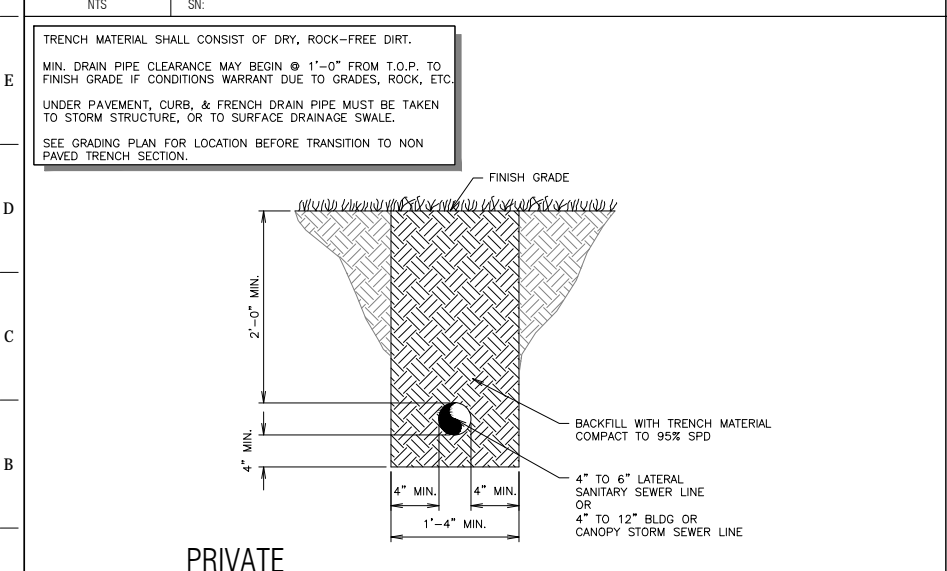
RE: PROJECT SPECS FOR GRADATION TABLE.



F1 NOT USED
NTS SN:

F6 1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (PAVED)
NTS SN: TD005A004

F11 BUILDING OR CANOPY DRAINAGE TRENCH SECTION (PAVED)
NTS SN: TD006A004



A1 BUILDING OR CANOPY DRAINAGE TRENCH SECTION (NON PAVED)
NTS SN: TD007A002

A6 ON-SITE WATER LINE TRENCH SECTION (NON PAVED)
NTS SN: TD008A002

A11 PRIMARY ELECTRICAL & TELEPHONE CONDUIT TRENCH SECTION (PAVED)
NTS SN: TD010A004 CASE NO. SP2012-028

QuikTrip No. 0935
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ROCKWALL, TX.

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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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


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



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rdelta
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ROCKWALL, TX.



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REVIEWED BY:

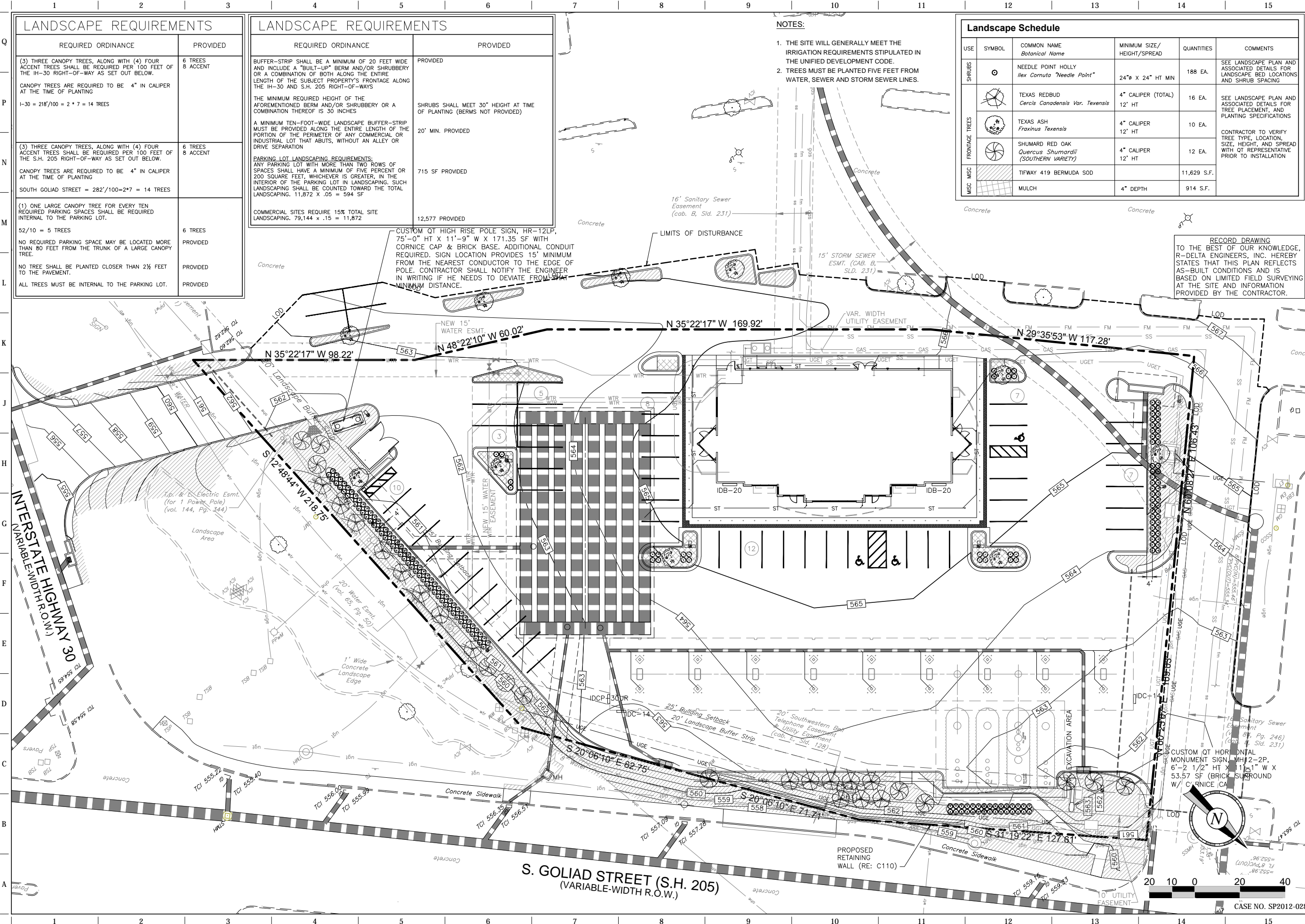
REV. DATE DESCRIPTION ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L100

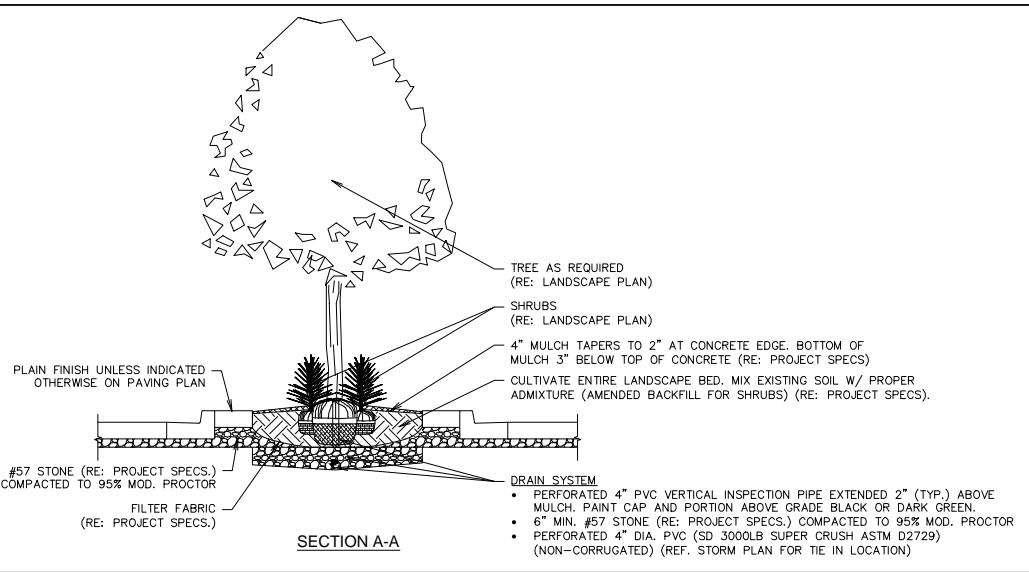
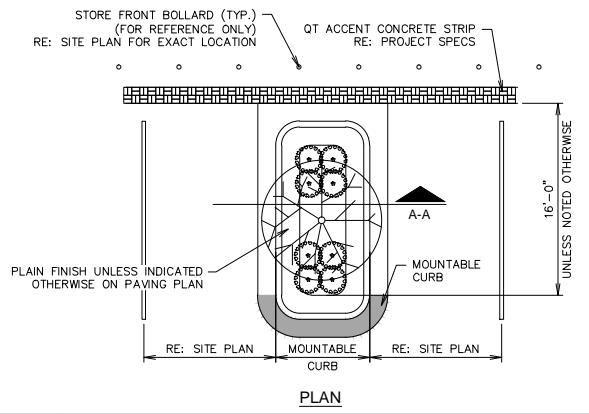
CASE NO. SP2012-028

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: prochiele SAVEd: 6/18/2014 1:35 PM PLOTTED: 6/18/2014 1:38 PM

RE: LANDSCAPE PLAN FOR SHRUB PLACEMENT AND QUANTITY.
 LANDSCAPE PARKING ISLANDS ARE TO BE IRRIGATED WITH A DRIP LINE SYSTEM. A SPRAY OR ROTARY HEAD SPRINKLER SYSTEM IS NOT AN ACCEPTABLE IRRIGATION METHOD FOR LANDSCAPE PARKING ISLANDS. (RE: PROJECT SPECS.)
 RE: STORM PLAN TO DETERMINE IF USE OF LANDSCAPE BED DRAIN PIPE IS REQUIRED



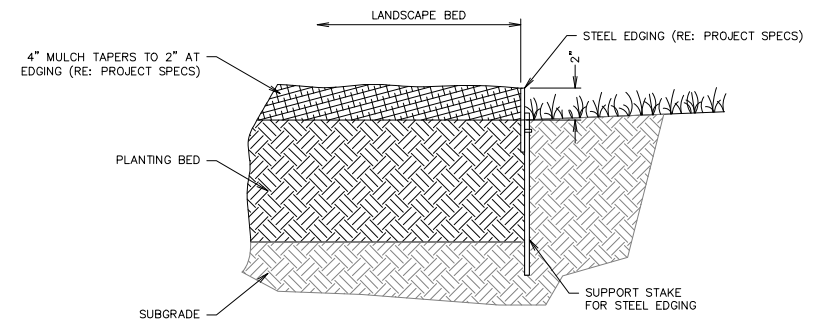
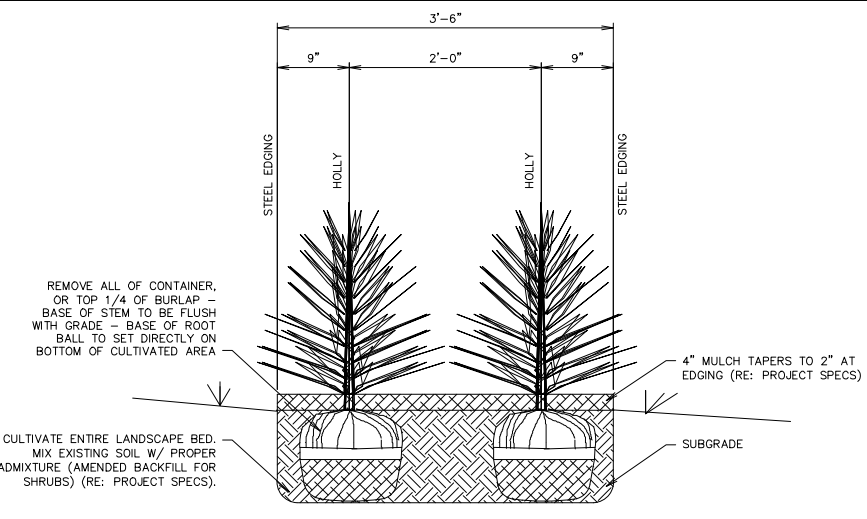
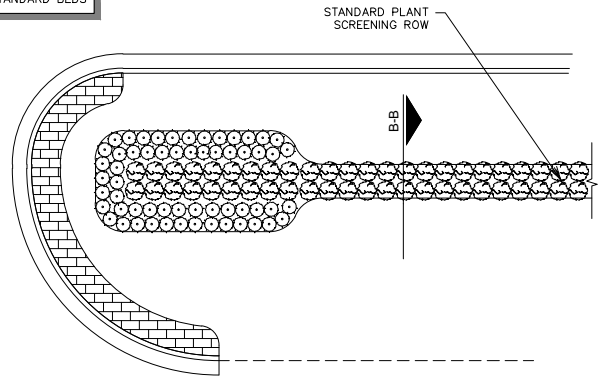
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 TBPE Firm No. F-001515

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

L11 NOT USED
 NTS SN:

RE: LANDSCAPE PLANS FOR POSSIBLE "A" OR "B" BEDS AT END OF SCREENING ROW.
 CONTINUE DOUBLE ROW OF LARGE PLANTS WHEN CONNECTING TO A SCREENING ROW. (RE: DETAIL BELOW).
 STEEL EDGING DOES NOT SEPARATE SCREENING ROWS FROM STANDARD BEDS

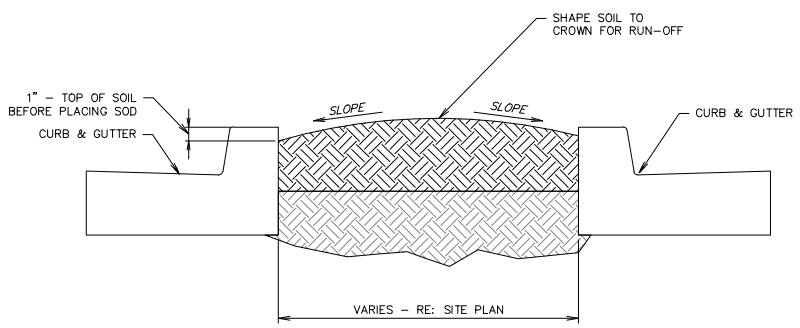


F1 SHRUB SCREENING BED
 NTS SN: LD004A004

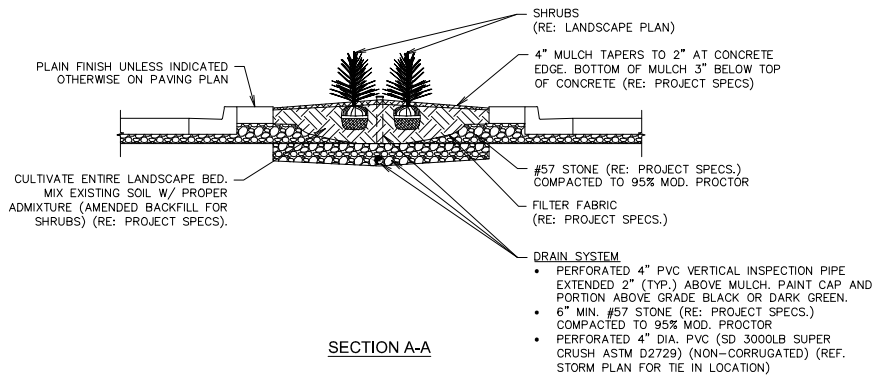
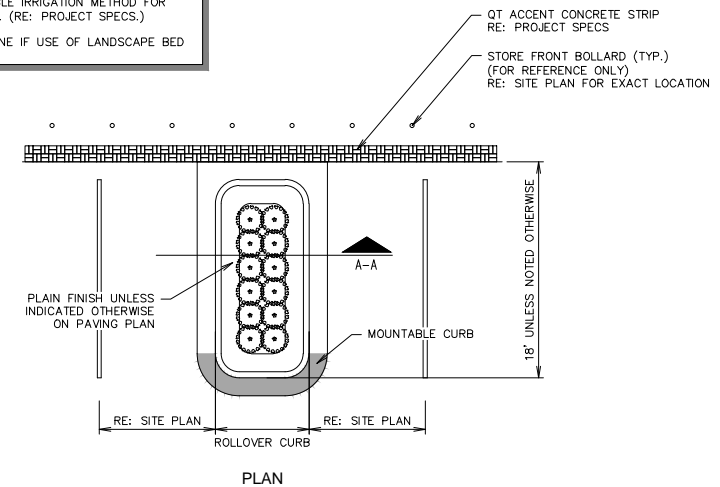
F6 SHRUB SCREENING SECTION B-B
 NTS SN: LD005A003

F11 LANDSCAPE STEEL EDGING DETAIL
 NTS SN: LD006A004

NOTE: SLOPE ON LAWN AREAS NOT TO EXCEED 3:1 UNLESS NOTED OTHERWISE (RE: GRADING PLAN)



RE: LANDSCAPE PLAN FOR SHRUB PLACEMENT AND QUANTITY.
 LANDSCAPE PARKING ISLANDS ARE TO BE IRRIGATED WITH A DRIP LINE SYSTEM. A SPRAY OR ROTARY HEAD SPRINKLER SYSTEM IS NOT AN ACCEPTABLE IRRIGATION METHOD FOR LANDSCAPE PARKING ISLANDS. (RE: PROJECT SPECS.)
 RE: STORM PLAN TO DETERMINE IF USE OF LANDSCAPE BED DRAIN PIPE IS REQUIRED



A1 TYPICAL LAWN SECTION
 NTS SN: LD007A002

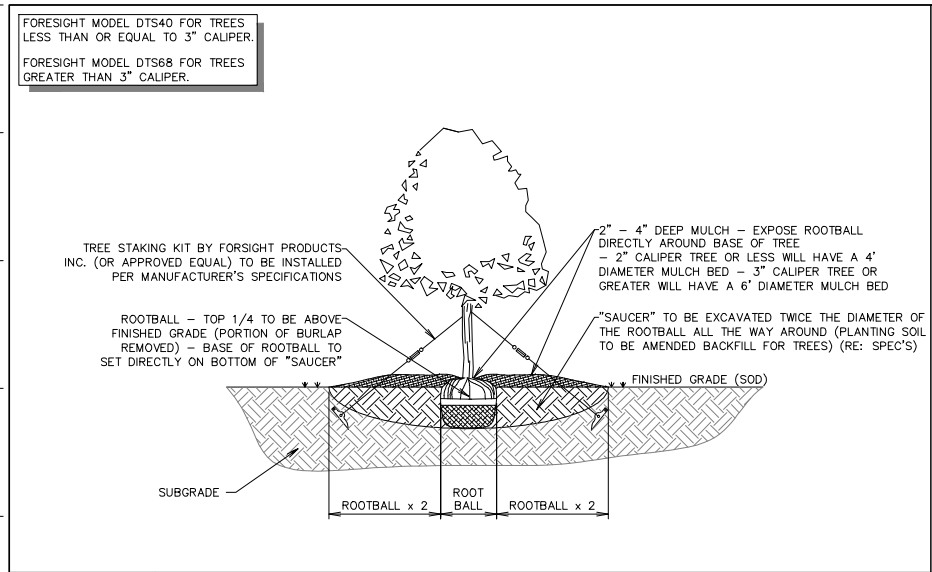
A6 PARKING ISLAND W/ SHRUBS LANDSCAPE DETAIL (W/ RADIUS PROTECTOR)
 NTS SN: LD009A007

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 DRAWN BY: KSR
 REVIEWED BY:

REV	DATE	DESCRIPTION

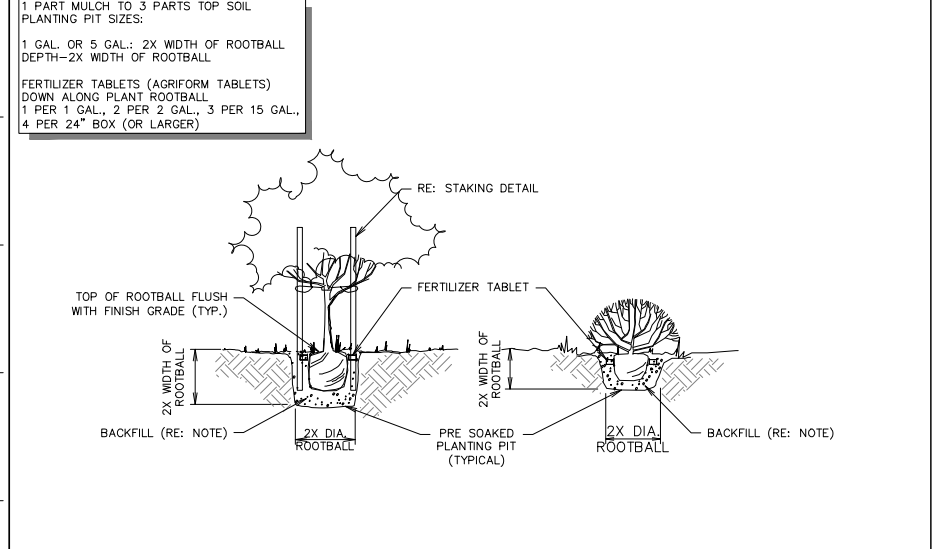
SHEET TITLE:
 LANDSCAPE DETAILS
 SHEET NUMBER:
L500
 ORIGINAL ISSUE DATE: 06/18/14
 CASE NO. SP2012-028

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



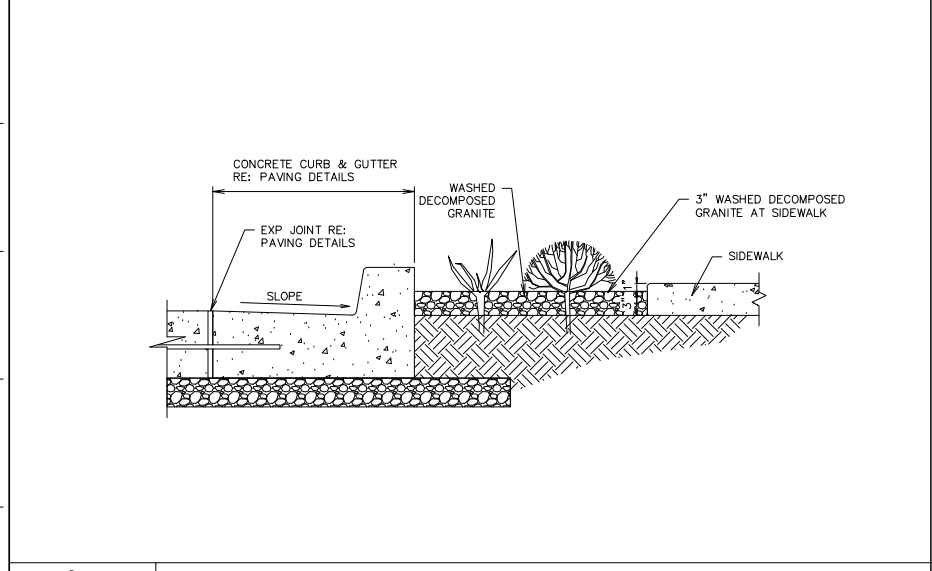
L1 TREE PLANTING DETAIL - SECTION

NTS SN: LD008A002



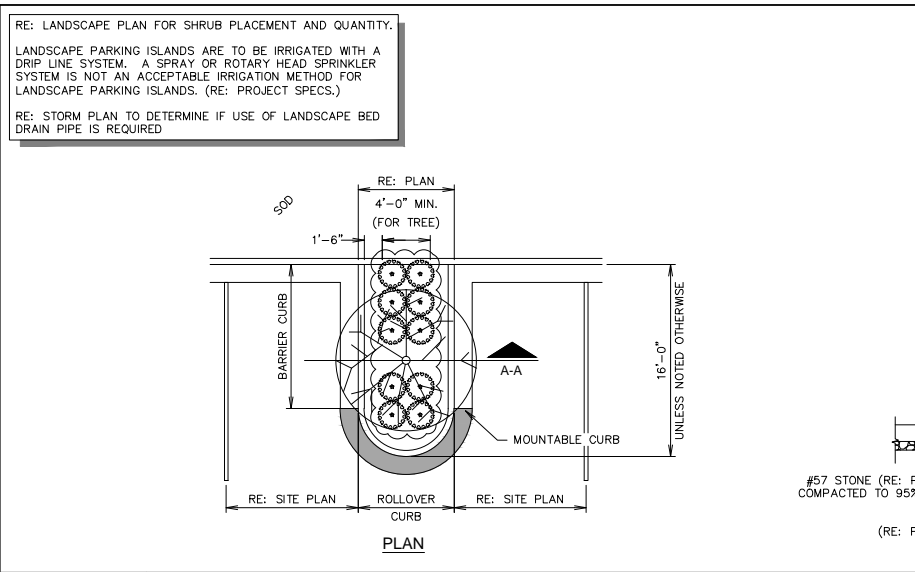
F1 TREE AND SHRUB PLANTING

NTS SN: LD020A001



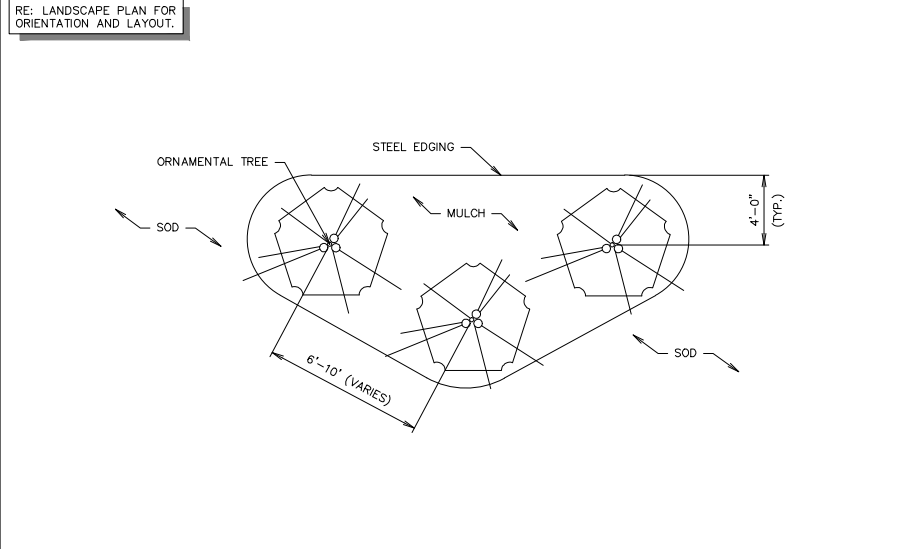
A1 WATER HARVESTING AREA SECTION

NTS SN: LD022A003



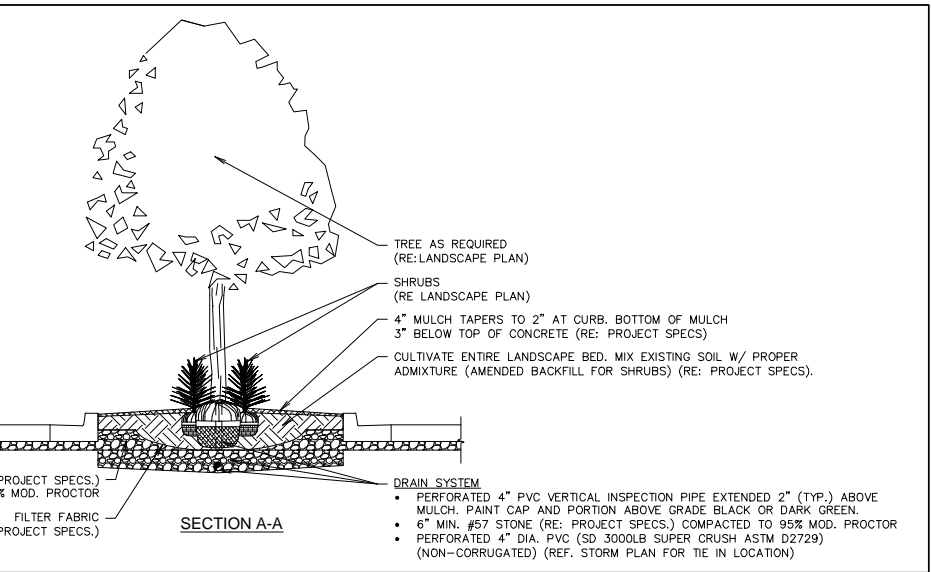
L6 PARKING ISLAND W/ SHRUBS & TREE LANDSCAPE DETAIL (ADJACENT TO CURB & GUTTER)

NTS SN: LD012A007



F6 ORNAMENTAL TREE GROUPING DETAIL

NTS SN: LD013A003



F11 STAKING DETAIL

NTS SN: LD018A001

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A11 NOT USED

NTS SN:

CASE NO. SP2012-028

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DESIGNED BY:

DRAWN BY: KSR

REVIEWED BY:

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/14

SHEET TITLE:
LANDSCAPE DETAILS

SHEET NUMBER:
L501