

# CONSTRUCTION PLANS FOR LAKE ROCKWALL ESTATES WATER LINE CONNECTIONS CIP 2013-013 CITY OF ROCKWALL, TEXAS

## CITY OF ROCKWALL

### MAYOR:

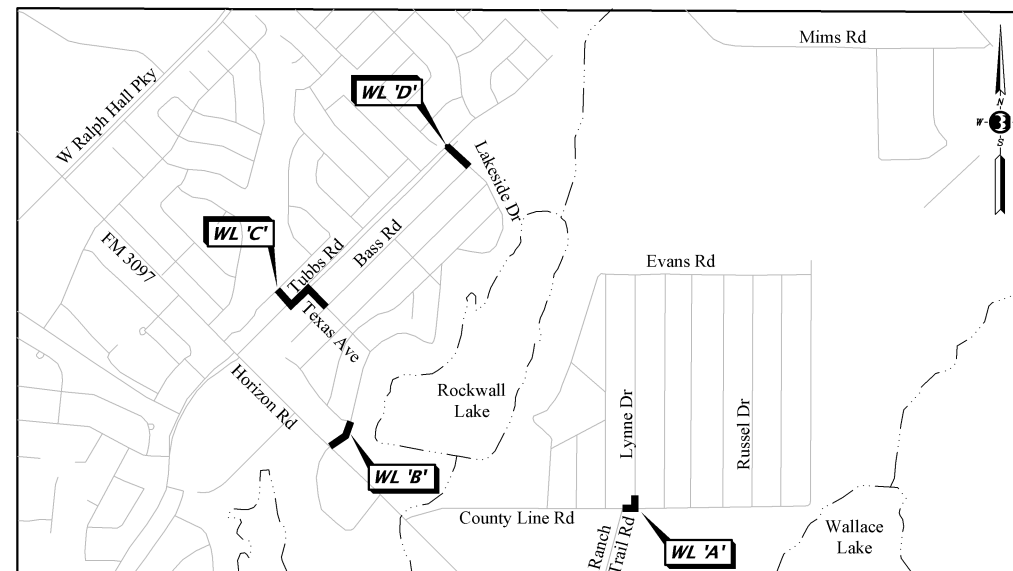
David Sweet

### CITY COUNCIL:

David White, Mayor Pro-Tem  
Jim Pruitt  
Bennie Daniels  
Dennis Lewis  
Scott Milder  
Mike Townsend

### CITY MANAGER:

Rick Crowley



LOCATION MAP

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CITY OF ROCKWALL  
385 SOUTH GOLIAD STREET, ROCKWALL TEXAS 75087

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*Michael Cummings*



### "RECORD DRAWINGS"

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**Binkley & Barfield** | C&P  
consulting engineers

1801 Gateway Blvd, Suite 101 Richardson Texas 75080 www.bbcpi.com  
Firm Registration #F-3185

MARCH 2014

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS, SPECIFICATIONS & STANDARD DETAILS AND N.C.T.C.O.G. STANDARD SPECIFICATIONS 3rd EDITION.

2. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A CONSTRUCTION SEQUENCE SCHEDULE. THE CONSTRUCTION SCHEDULE IS TO BE SUBMITTED TO THE CITY FOR APPROVAL.

3. UTILITIES SHOWN ON THE PLANS WERE TAKEN FROM FIELD SURVEYS AND INFORMATION PROVIDED BY THE UTILITY COMPANIES. THE COMPLETENESS AND THE ACCURACY OF THIS DATA IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND PROTECTING THEM FROM DAMAGE DURING CONSTRUCTION.

4. WORK MAY NOT BE BACKFILLED OR COVERED UNTIL IT HAS BEEN INSPECTED BY THE CITY.

5. MATERIAL TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY THE CITY.

6. ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED.

7. ALL SAW CUTS OF EXISTING PAVEMENT ARE TO BE "FULL DEPTH".

8. ALL AREAS DISTURBED DURING CONSTRUCTION WILL BE SODDED WITH GRASS THAT MATCHES EXISTING LAWN & RIGHT-OF-WAYS. SODDING AND FERTILIZING SHALL BE DONE IN ACCORDANCE WITH THE N.C.T.C.O.G. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 3rd EDITION (ITEMS 2.15.1, 2.15.2, 3.9, 3.10). THE CONTRACTOR SHALL MAINTAIN SODDED AREAS FOR A TWO (2) MONTH PERIOD FOLLOWING PLANTING OR UNTIL THE GRASS HAS ESTABLISHED A MINIMUM HEIGHT OF TWO INCHES.

9. THE CONTRACTOR SHALL REMOVE & REINSTALL IN ORIGINAL LOCATION ALL EXISTING TRAFFIC CONTROL SIGNS AFFECTED BY THE CONSTRUCTION.

10. CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH A TRAFFIC CONTROL PLAN, AT LEAST 48 HOURS BEFORE ANY WORK IN A CITY STREET. TRAFFIC CONTROL MEASURES SHALL CONFORM TO PART VI OF THE 'TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' AND THE CITY OF ROCKWALL 'WORK ZONE TRAFFIC CONTROL MANUAL'. TRAFFIC CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR FOR ANY WORK ACTIVITY THAT TAKES PLACE ON OR ADJACENT TO ANY CITY STREET OR ROADWAY. THE TRAFFIC CONTROL PLAN SHALL BE DESIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS.

11. MEGA-LUGS OR APPROVED EQUAL SHALL BE INSTALLED AT ALL FITTINGS.

12. ACCESSIBLE PEDESTRIAN ROUTES ON PUBLIC RIGHTS-OF-WAY AND PRIVATE PROPERTY SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND TEXAS ACCESSIBILITY STANDARDS (TAS). DESIGN AND CONSTRUCTION OF ALL CURB RAMPS ON PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION STANDARD DETAIL PED-12A, SHEETS 1 THROUGH 4. DESIGN AND CONSTRUCTION OF ALL SIDEWALKS SHALL BE IN ACCORDANCE WITH CITY OF ROCKWALL STANDARD DETAILS WITH PASSING AREAS HAVING A MINIMUM 5-FOOT BY 5-FOOT SIZE AT INTERVALS NOT EXCEEDING 200 FEET. CURB RAMPS THAT ARE PART OF ACCESSIBLE ROUTES ON PRIVATE PROPERTY MAY BE CONSTRUCTED IN ACCORDANCE WITH TxDOT STANDARD DETAIL PED-12A, SHEETS 1 THROUGH 4, OR MAY BE CONSTRUCTED IN ACCORDANCE WITH A DESIGN SUBMITTED AND APPROVED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION.

13. FRANCHISE UTILITY CONTACTS: CALL 1-800-344-8377 FOR LINE LOCATES (48 HR. ADVANCE)  
EMERGENCY CONTACT NUMBERS  
"ONCOR" - 888-313-4747  
"ATMOS (GAS)" - 800-442-7259  
"AT&T" - 800-286-8313  
"CHARTER" - 800-314-7195  
"CITY OF ROCKWALL" SERVICE CENTER- 972-771-7730

14. MAILBOXES SHALL BE PROTECTED BY CONTRACTOR THROUGHOUT CONSTRUCTION. WHERE NECESSARY TO TEMPORARILY RELOCATE MAILBOX, IT SHALL BE DONE WITHOUT DAMAGING MAILBOX. MAILBOX SHALL BE RE-INSTALLED IN ORIGINAL LOCATION UPON COMPLETION OF CONSTRUCTION.

15. THE SAWCUT LIMITS SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE SHOWN FOR PURPOSES OF ESTIMATING CONSTRUCTION QUANTITIES. SAWCUT LIMITS FOR SERVICE RECONNECTIONS UNDER PAVEMENT ARE NOT SHOWN. ACTUAL SAWCUT LIMITS WILL VARY AND WILL BE FIELD MEASURED FOR PAYMENT PURPOSES.

16. THE EXISTING TOPOGRAPHIC FEATURES ON THE PLAN SHEETS ARE COMPILED FROM PARTIAL FIELD SURVEYS, CITY GIS MAPS AND VISUAL OBSERVATION. THERE ARE EXISTING FEATURES WHICH ARE NOT SHOWN ON THESE PLANS. IT IS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF ALL IMPROVEMENTS AND NOTIFY THE ENGINEER IF CONFLICTS EXIST.

17. THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A PRECONSTRUCTION VIDEO OF THE PROJECT LIMITS CLEARLY SHOWING THE LOCATION AND CONDITION OF ALL IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT AREA. FAILURE TO DOCUMENT THE CONDITION OF EXISTING IMPROVEMENTS MAY RESULT IN THE CONTRACTOR BEING REQUIRED TO REPAIR OR REPLACE DAMAGED PROPERTY OR FACILITIES.

18. THE CONTRACTOR SHALL OBTAIN A HYDRANT METER FROM THE CITY FOR CONSTRUCTION WATER.

19. REFER TO SPECIFICATIONS FOR LIST OF REQUIRED SUBMITTALS.

20. TRIMMING OF TREES SHALL BE ACCOMPLISHED USING A SAW OR PRUNING SHEARS. ALL CUT LIMBS OVER 1" DIAMETER SHALL BE PAINTED WITH TREE WOUND PAINT IMMEDIATELY AFTER TRIMMING.

21. CONTRACTOR SHALL REPLACE ANY TREES REMOVED OR DESTROYED WITHOUT OWNER'S PERMISSION OR SHALL PAY A FAIR MARKET VALUE (AS DETERMINED BY OWNER) TO THE OWNER.

22. ANY FENCES DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AT THE SAME LOCATION WITH A FENCE OF EQUAL OR SUPERIOR QUALITY.

23. PROVIDE ACCESS FOR LANDOWNERS AT EXISTING ROADS AND DRIVES AT ALL TIMES.

24. WATER PIPE SHALL BE AWWA C900, DR 14, CLASS 200 (BLUE IN COLOR).

25. CONTRACTOR SHALL SECURE EXCAVATION AT THE END OF EACH DAY. NO TRENCHES SHALL BE LEFT OPEN OVERNIGHT IN STREETS.

26. CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS (KNOWN AND UNKNOWN). ALL DAMAGE SHALL BE REPAIRED BY IRRIGATOR LICENSED IN TEXAS.

27. BLUE EMS DISKS TO BE INSTALLED ON THE WATERLINE AT EVERY CHANGE IN DIRECTION, VALVE, FIRE HYDRANT, AND SERVICE.

28. ALL COMPACTION SHALL BE A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

29. EXISTING FIRE HYDRANTS REMOVED SHALL BE SALVAGED AND RETURNED TO THE CITY SERVICE CENTER.

30. ALL CONCRETE SHALL BE MIN. 3,600 PSI (MIN 6.5 SACK MIX) FOR STREET & DRIVEWAY REPAIR. SIDEWALK REPLACEMENT CONCRETE TO BE MIN. 3,000 PSI (MIN 5.5 SACK MIX). NO SAND UNDER PAVING WILL BE ALLOWED.

31. CONTRACTOR MUST LIMIT THE NUMBER OF ROADWAYS UNDER CONSTRUCTION TO TWO AT A TIME UNLESS APPROVED BY CITY ENGINEER.

32. COLOR FOR CURB RAMP WARNINGS SHALL MATCH CITY REQUIREMENTS.

33. IF ANY EXISTING UTILITIES ARE DAMAGED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS AT NO ADDITIONAL COST.

34. SAWCUTS WITHIN 3' OF EXISTING PAVEMENT JOINTS MAY REQUIRE ADDITIONAL PAVEMENT REMOVAL AND REPLACEMENT UP TO THE ADJACENT JOINT. CONTRACTOR SHALL CONFIRM REMOVAL LIMITS WITH THE CITY OF ROCKWALL INSPECTOR PRIOR TO CONSTRUCTION.

35. COST FOR FITTINGS AND BLOCKING SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF PROPOSED WATER MAIN.

36. ESTABLISHMENT OF HORIZONTAL CONTROL, INCLUDING SETTING CONTROL STAKES TO ESTABLISH A BASELINE, WILL NOT BE REQUIRED FOR THIS PROJECT.

37. CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING STORM SEWER AND EXISTING SANITARY SEWER AT PROPOSED WATERLINE CROSSINGS. CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE PROPOSED WATERLINE AS REQUIRED PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) REQUIREMENTS.

**"RECORD DRAWINGS"**

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Item No.	Bid Item Description	Units	Sheet 3	Sheet 4	Sheet 5	Sheet 6	Plan Quantity	Bid Quantity
1	8" C900 PVC CLASS 200 (DR 14) WATERLINE INCLUDING CONNECTIONS, FITTINGS, EMBEDMENT, BACKFILL & WATERMAIN LOWERING	LF	0	0	0	552	552	560
2	6" C900 PVC CLASS 200 (DR 14) WATERLINE INCLUDING CONNECTIONS, FITTINGS, EMBEDMENT, BACKFILL & WATERMAIN LOWERING	LF	0	0	0	18	18	20
3	12" C900 PVC CLASS 200 (DR 14) WATERLINE (BY OTHER THAN OPEN CUT)	LF	0	98	0	0	98	98
4	12" C900 PVC CLASS 200 (DR 14) WATERLINE INCLUDING CONNECTIONS, FITTINGS, EMBEDMENT, BACKFILL & WATERMAIN LOWERING	LF	40	106	221	0	367	370
5	18" STEEL ENCASEMENT PIPE	LF	0	98	0	0	98	98
6	12" GATE VALVE	EA	3	4	0	0	7	7
7	8" GATE VALVE	EA	0	0	0	5	5	5
8	6" GATE VALVE	EA	0	1	1	2	4	4
9	16" X 12" TAPPING SLEEVE & VALVE	EA	0	1	1	0	2	2
10	16" X 8" TAPPING SLEEVE & VALVE	EA	0	0	0	1	1	1
11	12" X 12" TAPPING SLEEVE & VALVE	EA	0	0	1	0	1	1
12	6" X 6" TAPPING SLEEVE & VALVE	EA	0	0	0	1	1	1
13	FIRE HYDRANT w/ 6" LEAD	EA	0	1	1	2	4	4
14	PLUG WATER LINE	EA	0	2	0	1	3	3
15	CONNECT TO EXISTING 12" WATER LINE	EA	1	0	0	0	1	1
16	CONNECT TO EXISTING 6" WATER LINE	EA	0	1	0	2	3	3
17	CONNECT TO EXISTING 4" WATER LINE	EA	2	0	0	0	2	2
18	REMOVE EXISTING VALVE	EA	0	1	0	0	1	1
19	REMOVE EXIST. STREET PAVEMENT (CONCRETE)	SY	0	0	50	56	106	110
20	REMOVE EXIST STREET PAVEMENT (ASPHALT)	SY	8	0	0	87	95	100
21	REMOVE CONCRETE DRIVEWAY	SY	0	0	22	0	22	30
22	REMOVE CONCRETE SIDEWALK	SY	0	0	34	10	44	50
23	CONSTRUCT 4" CONCRETE SIDEWALK	SY	0	0	20	10	30	36
24	CONSTRUCT 6" CONCRETE DRIVEWAY	SY	0	0	22	0	22	30
25	CONSTRUCT 2" HMAC SURFACE TREATMENT TYPE 'D'	SY	8	0	0	87	95	100
26	CONSTRUCT 6" HMAC BASE	SY	8	0	0	87	95	100
27	CONSTRUCT 8" CONCRETE PAVEMENT W/ MONO CURB	SY	0	0	50	56	106	110
28	SAWCUT	LF	24	0	130	212	366	370
29	CONSTRUCT CURB RAMP (TYPE 5)	EA	0	0	2	0	2	2
30	SODDING OF DISTURBED AREAS	SY	25	165	70	215	475	485
31	TRENCH SAFETY DESIGN	LS	0	0	0	0	0	1
32	TRENCH SAFETY	LF	40	106	221	570	937	950
33	SWPPP PREPATATION, IMPLEMENTATION & MAINTENANCE	LS	0	0	0	0	0	1
34	IRRIGATION SYSTEM REPAIR	LS	0	0	0	0	0	1
35	BARRICADES, TRAFFIC CONTROL, & WARNING SIGNS	LS	0	0	0	0	0	1
36	MOBILIZATION	LS	0	0	0	0	0	1

MEASUREMENT & PAYMENT NOTES

1. The total contract price shall cover all work required by the contract documents. All costs in connection with the proper and successful completion of the work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction plant, equipment, and tools; and performing all necessary labor and supervision to fully complete the work, shall be included in the unit and lump prices bid.
2. There shall be no separate pay item for the following items, which shall be considered subsidiary to other pay items:

a. Maintenance and modification, if necessary, or existing privately-owned irrigation systems in parkways.  
b. All pavement joints including, but not limited to, longitudinal butt joints  
c. All water line fittings, concrete blocking, and other appurtenances.  
d. Contractor negotiations with property owners regarding temporary staging areas.  
e. Stripping, stockpiling, and regarding of topsoil excavation and backfill of utility trenches.  
f. Cutting and plugging existing water line or sewer line to be abandoned.  
g. Final clean-up.  
h. Locating existing utilities.  
i. Preparation of subgrade and fine grading.  
j. All fees including TCEQ fees for the SWPPP.  
k. Coordination with power company and materials, labor, or workmanship required to comply with standards of the utility company.
3. Bid items provided are intended to be all-inclusive of the work required on this project. Work required by the plans or specifications, but not provided with a specific pay item, shall be considered incidental to other items of work.

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△		
Rev	Description	Date

CAUTION EXISTING UTILITIES !!!

Existing utilities and underground facilities indicated on these plans have been located from reference information. It shall be the responsibility of the contractor to verify both horizontally and vertically the location of all existing utilities and underground facilities prior to construction, to take the necessary precautions in order to protect all facilities encountered. The contractor shall preserve and protect all existing utilities from damage during construction.

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Texas Registration Number F-3185

972.644.2800  
Fax 972.644.2817  
www.bbcpi.com

LAKE ROCKWALL ESTATES  
WATER LINE CONNECTIONS  
CIP 2013-013  
QUANTITIES  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

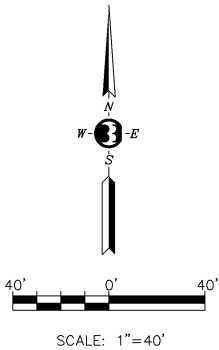
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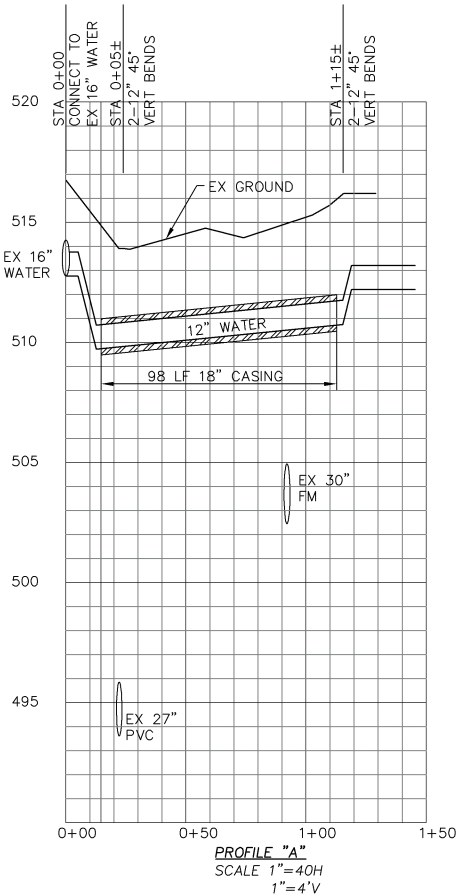
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NOTE:  
ALL PAVEMENT TO BE SAWCUT  
FULL DEPTH AND REPLACED.

#### LEGEND

- EX POWER POLE
- EX WATER LINE & VALVE
- EX FIRE HYDRANT
- EX WATER METER
- PROPOSED FIRE HYDRANT
- PROPOSED WATER LINE & VALVE



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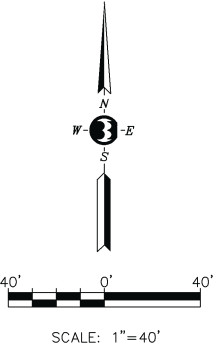
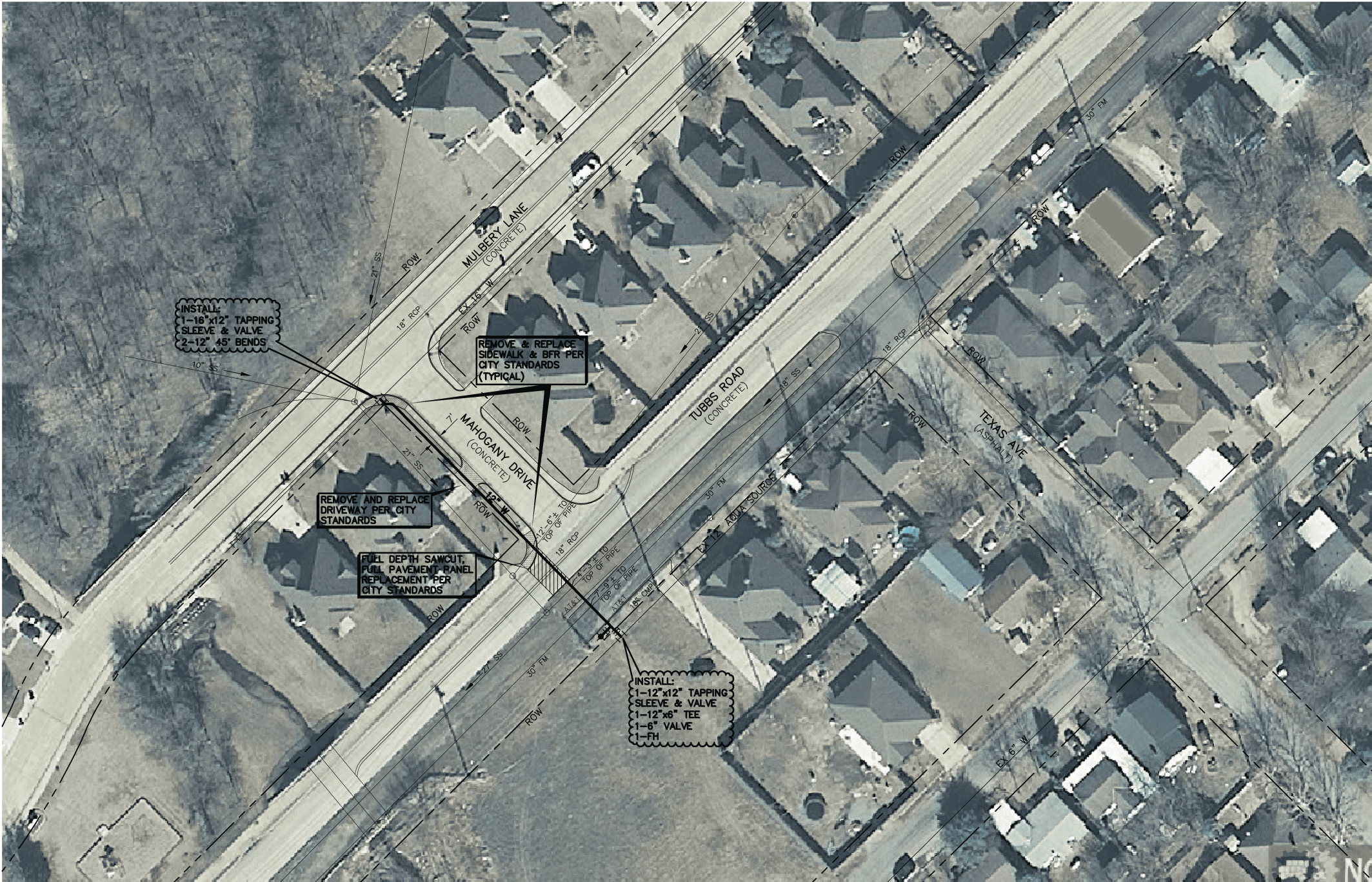
972.644.2800  
Fax 972.644.2817  
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**LAKE ROCKWALL ESTATES  
WATER LINE CONNECTIONS  
CIP 2013-013  
CONNECTION 'B'  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

Scale: 1"=40'H Date: 3.04.14 Job No.: BC13099



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NOTE:  
ALL PAVEMENT TO BE SAWCUT  
FULL DEPTH AND REPLACED.

LEGEND

- EX POWER POLE
- EX WATER LINE & VALVE
- EX FIRE HYDRANT
- EX WATER METER
- PROPOSED FIRE HYDRANT
- PROPOSED WATER LINE & VALVE

NOTE:  
OPEN CUT PROPOSED 12" WATER  
MINIMUM DEPTH OF COVER IS 48".

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LAKE ROCKWALL ESTATES  
WATER LINE CONNECTIONS

CIP 2013-013  
CONNECTION 'C'  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

Scale: 1"=40'H	Date: 3.04.14	Job No.: BC13099	<b>5</b>
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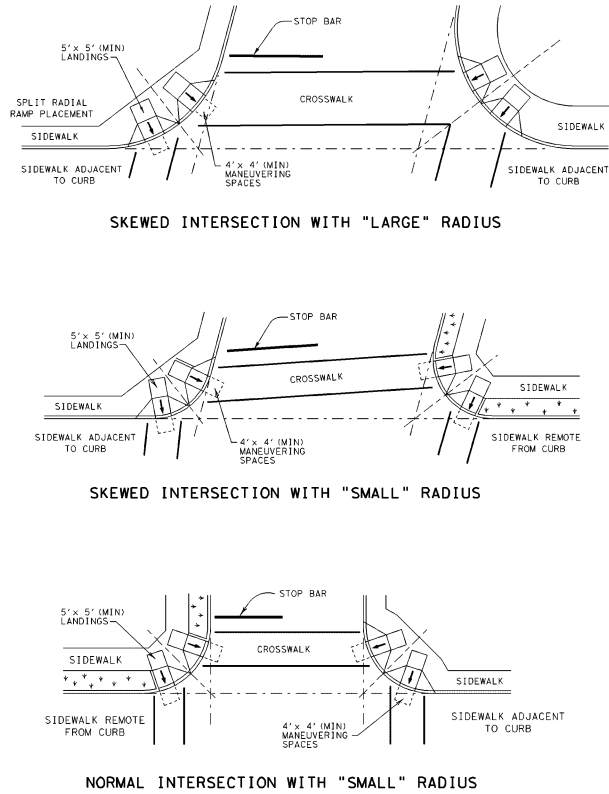




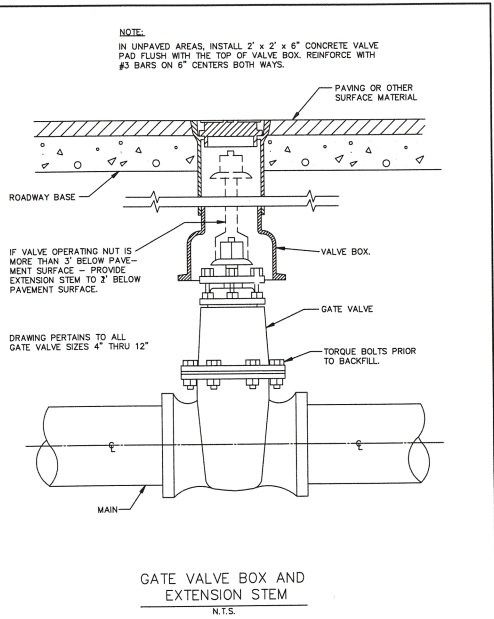
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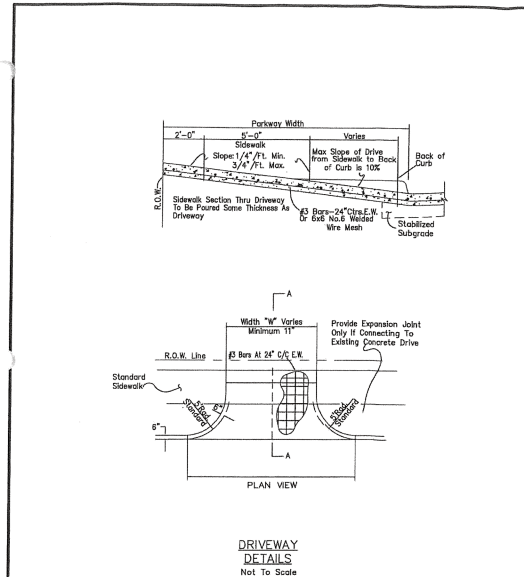
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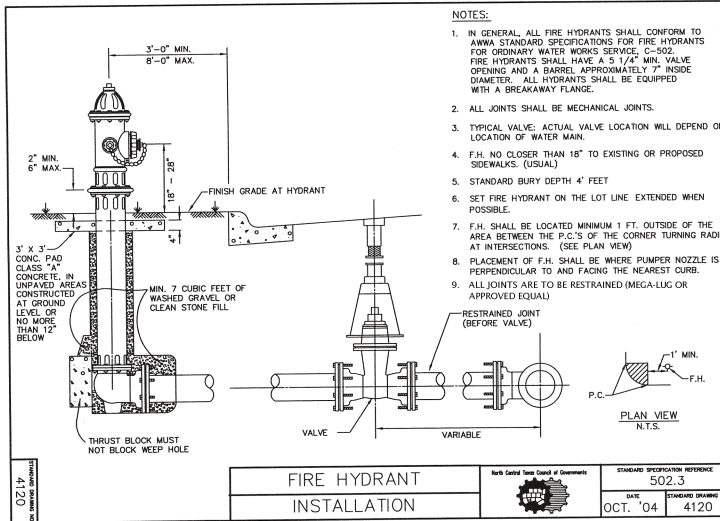
TYPICAL CROSSING LAYOUTS



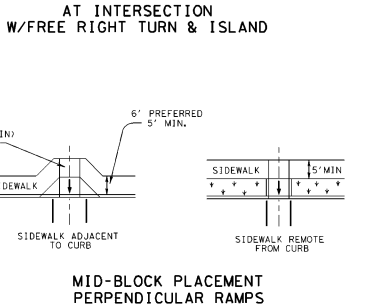
GATE VALVE 4" TO 12"  
BOX & EXTENSION STEM



DRIVEWAY  
DETAIL



FIRE HYDRANT  
INSTALLATION



SHEET 4 OF 4

**Texas Department of Transportation**

**PEDESTRIAN FACILITIES CURB RAMPS**

**PED-12A**

FILED	ped12a.dgn	04/13/2012	04/13/2012	04/13/2012	04/13/2012
DATE	04/13/2012	DATE	04/13/2012	DATE	04/13/2012
VP	VP	VP	VP	VP	VP
VP	VP	VP	VP	VP	VP
VP	VP	VP	VP	VP	VP

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**LAKE ROCKWALL ESTATES  
WATER LINE CONNECTIONS  
CIP 2013-013  
DETAILS**

**CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

Scale:	Date:	Job No.:
N/A	3.04.14	BC13099



N:\BC13099 (Rockwall) Water Line Connections\BC13099-DTL.dwg-DETAILS-2 Plotted Nov 22, 2014 at 8:52am by blyester | Last Saved by blyester

City of Rockwall Approved Water Materials List

Revised: August 19, 2013

Note: All materials on this list do not require separate submittals. All materials must be new and in good condition.

I. FIRE HYDRANTS

Mueller "Super Centurion 250-A423"  
American Darling "B-84B-5"  
Waterous "Pacer WB67"  
Clow "Medallion"  
M&H "Model 129 & 929"

II. VALVES

Mueller Resilient Seat  
Mueller Resilient Wedge  
Mueller Butterfly  
American Darling Resilient Wedge  
American Darling Butterfly  
U.S. Pipe & Foundry "Metro-Seal" Resilient Wedge  
American Flow Control - Series 2500 Resilient Wedge Valve  
Clow Resilient Wedge  
Pratt Butterfly  
American AVK Resilient Seated Gate Valve Series 25, 4"-12"

III. VALVES - AIR RELEASE / COMBINATION AIR & VACUUM

Vent-O-Mat 025 RBX 2521 - 1"  
Vent-O-Mat 050 RBX 2521 - 2"

IV. TAPPING SLEEVES AND VALVES

(All require 1/4" NPT brass test plug)

Sleeves

Mueller H-304 Stainless Steel Tapping Sleeve w/Stainless Steel Flange  
Tyler Traverse Tapping Sleeve  
Clow Traverse Tapping Sleeve  
Dresser Style 630 Heavy Stainless Steel Tapping Sleeve  
PowerSeal Model 3490 Stainless Steel Tapping Sleeve  
Ford All Stainless Tapping Sleeve Style FTSS  
Ford All Stainless Tapping Sleeve Style FTSS-MJ  
Smith-Blair 665 Stainless Steel Tapping Sleeve with Stainless Steel Flange Smith-Blair 665MJ  
Stainless Steel Tapping Sleeve with Stainless Steel Flange Romac Industries, SST III

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Service Saddles

Service Saddles (for PVC, DI or CI)

Size/Manufacturer	Mueller	Jones	Ford	A.Y. McDonald
3/4-inch, 2 Strap	BR-2B, BR-2S	J-979, J-969	202B, 202BS	3825, 3845
1-inch, 2 Strap	BR-2B, BR-2S	J-979, J-969	202B, 202BS	3825, 3845
1 1/2-inch, 2 Strap	BR-2B, BR-2S	J-979, J-969	202B, 202BS	3825, 3845
2-inch, 2 Strap	BR-2B, BR-2S	J-979, J-969	202B, 202BS	3825, 3845

Note: All of the above service saddles are to be cc thread. Saddles must be supplied with stainless steel bolt/nut/washer, with the exception of a double strap bronze saddle.

VII. RESTRAINT (RETAINDER) GLANDS

Uni-Flange Series 1400 for 4" thru 12" (Ductile Iron)  
Uni-Flange Series 1500 for 4" thru 12" (C900 PVC)  
EBAA Iron 1100 Series Megalug (Ductile Iron)  
EBAA Iron 2000PV Series Megalug (C900 PVC)  
Stargrip Series 4000 (C800 PVC)  
Stargrip Series 3000 (Ductile Iron)  
Sigma - One Lok (C900/905 PVC)  
Tyler Union Field Lock (Ductile Iron)  
Tyler Union Tufgrip 1000 (Ductile Iron)  
Tyler Union Tufgrip 2000 (PVC)

VII. RESTRAINT (INTERNAL JOINT RESTRAINED

Eagle LOC 900 for 4" thru 12" C900 DR14 PVC Pipe  
Diamond Lok-21 for 4" thru 12" C900 DR14 PVC Pipe

VIII. CORPORATION VALVE (STOPS)

Corporation Valves				
Size/Manufacturer	Mueller	Jones	Ford	A.Y. McDonald
3/4-inch	B-25008	J-1937-SG	FB-1000-3-Q	4701BQ
1-inch	B-25008	J-1937-SG	FB-1000-4-Q	4701BQ
1 1/2-inch	B-25008	J-1937-SG	FB-1000-6-Q	4701BQ
2-inch	B-25008	J-1937-SG	FB-1000-7-Q	4701BQ

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IX. ANGLE VALVE (STOPS)

Angle Meter Valves				
Size/Manufacturer	Mueller	Jones	Ford	A.Y. McDonald
3/4-inch	B-24258	J-1963W-SG	BA43-332-WQ	4602BQ 3/4
1-inch	B-24258	J-1963W-SG	BA43-444-WQ	4602BQ 1
1 1/2-inch	B-24276	J-1975W-SG	BFA43-666-WQ	4602BQ 1 1/2
2-inch	B-24276	J-1975W-SG	BFA43-777-WQ	4602BQ 2

X. DUCTILE IRON FITTINGS (Compact Only -C153)

American Pipe  
Tyler Pipe Products  
Clow Products  
Star Pipe Products (tees, bends & anchor nipples)  
Sigma/Nappco Products (tees, bends & anchor nipples)  
Griffin Pipe Products

XI. VALVES STACKS AND BOXES

Bass & Hays adjustable valve box Model No. 24365

XII. FIRE HYDRANT PAINT

Main Size	Color	Paint
6"	Silver - Top & Bottom	Sherwin Williams Silver-Brite Heavy Duty Rust Resistant Aluminum Paint B59S11
8"	Safety Blue Top - Aluminum Bottom	Sherwin Williams Heavy Duty Rust Resistant Aluminum Paint-Safety Blue B54T104
10" or larger	Yellow Top - Aluminum Bottom	Sherwin Williams Heavy Duty Rust Resistant Aluminum Paint-Safety Yellow B54Y37

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XIII. METER BOXES

Meter Box Specification Table	
< 1 inch Service	DFW1814F-1BA DFW Plastics, Inc <b>Not Traffic Rated</b>
1-1/2-inch, 2-inch Service	DFW2818F-1BA DFW Plastics, Inc <b>Not Traffic Rated</b>
Traffic Rated Meter Box	DFW65C-14-10BA DFW65C-1BA - Can DFW65C-Overlay-Lid DFW Plastics

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"RECORD DRAWINGS"

THESE RECORD DRAWINGS ARE A COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THESE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICES OF BINKLEY & BARFIELD | C&P, INC.

CAUTION EXISTING UTILITIES !!!

Existing utilities and underground facilities indicated on these plans have been located from reference information. It shall be the responsibility of the contractor to verify both horizontally and vertically the location of all existing utilities and underground facilities prior to construction, to take the necessary precautions in order to protect all facilities encountered. The contractor shall preserve and protect all existing utilities from damage during construction.

The seal appearing on this document was authorized by Michael Cummings, P.E., Tx. No. 41566. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act, March 4, 2014.

Michael Cummings



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LAKE ROCKWALL ESTATES

WATER LINE CONNECTIONS

CIP 2013-013

DETAILS

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

Scale: N/A Date: 3.04.14 Job No.: BC13099

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