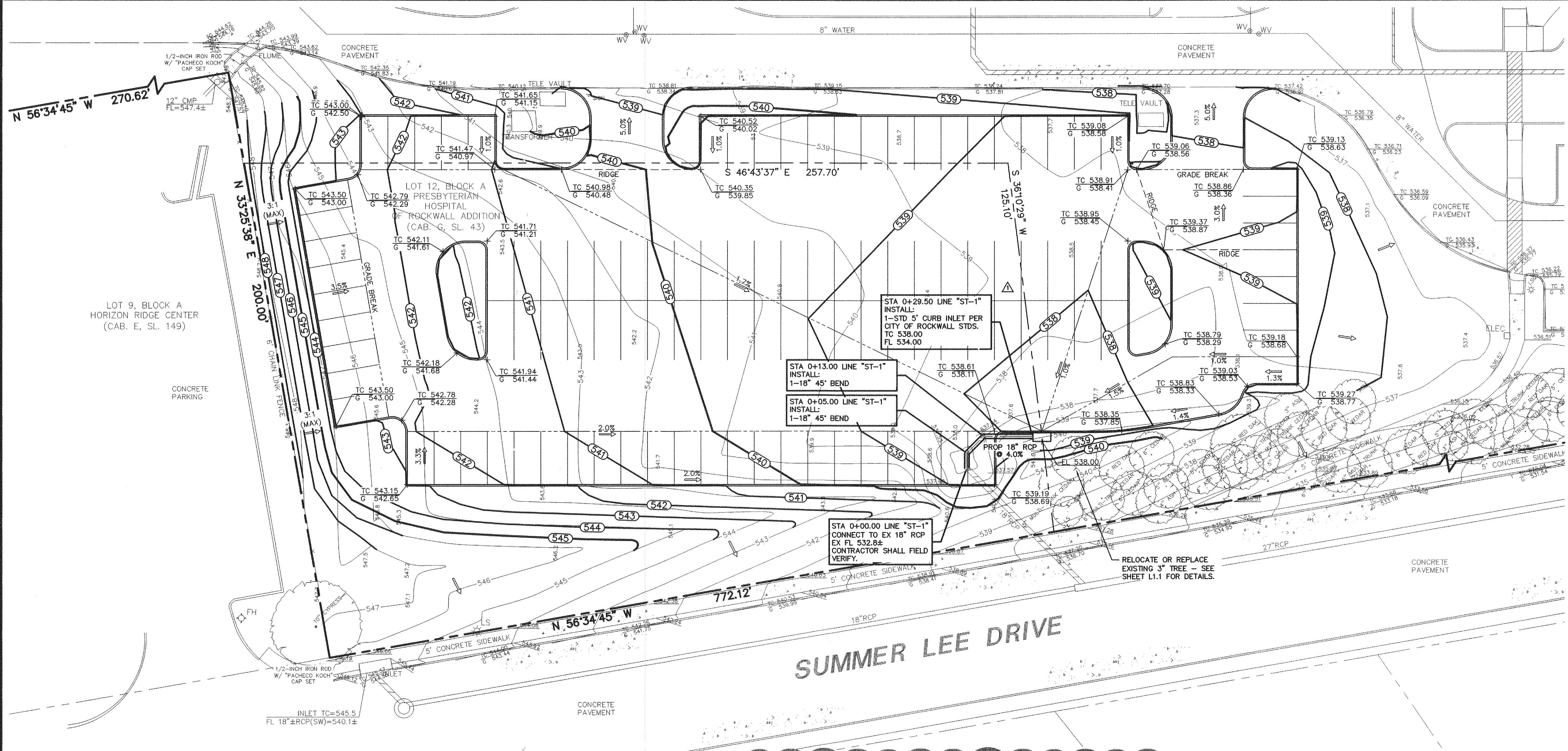


LEGEND

- B. BOLLARD
- EM ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM WATER METER
- WV WATER VALVE
- ICV IRRIGATION CONTROL VALVE
- FH FIRE HYDRANT
- CO CLEANOUT
- MH MANHOLE
- TSC TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE TELEPHONE BOX
- FL FLOOD LIGHT
- FP FLAG POLE
- SIGN TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD W/ "PACHECO KOCH" CAP SET
- (C.M.) CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OVERHEAD UTILITY LINE
- EXIST CONTOUR
- EXIST SPOT ELEVATION
- EXIST TOP OF CURB ELEVATION
- EXIST GUTTER ELEVATION
- PROPOSED CONTOUR
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED GUTTER ELEVATION
- PROPOSED SPOT ELEVATION
- MATCH EXISTING GRADE
- PROPOSED TOP OF WALL ELEVATION
- PROPOSED GROUND ELEVATION AT BOTTOM OF WALL
- PROPOSED DRAINAGE FLOW DIRECTION
- PROPOSED SWALE



SUMMER LEE DRIVE

GRADING & DRAINAGE GENERAL NOTES

1. UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN MAXIMUM LIFTS OF 6 INCHES USING A SHEEP'S FOOT ROLLER.
2. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.
3. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO FEDERAL, STATE, AND LOCAL GUIDELINES.
4. ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (I.E. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
5. UNLESS NOTED, STORM DRAIN LINES SHALL BE OF THE FOLLOWING MATERIALS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS:
 - a. RCP C-76 CLASS III
6. FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
7. REFER TO LANDSCAPE SPECIFICATIONS FOR SEEDING AND SODDING REQUIREMENTS.
8. ANY CONCRETE, ROCK, OR MATERIAL DEEMED BY THE ENGINEER TO BE UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
9. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
10. EMBEDEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
11. A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS NEAR THE OUTLET PIPE.
12. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 702.2.4, 4,200 PSI (MIN. 6.5 SACK) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
13. CRUSHED STONE BEDDING SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM FOR CRUSHED STONE BEDDING.
14. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

ALL LANDSCAPE GRADES SHALL BE 3:1 SLOPE (MAX).

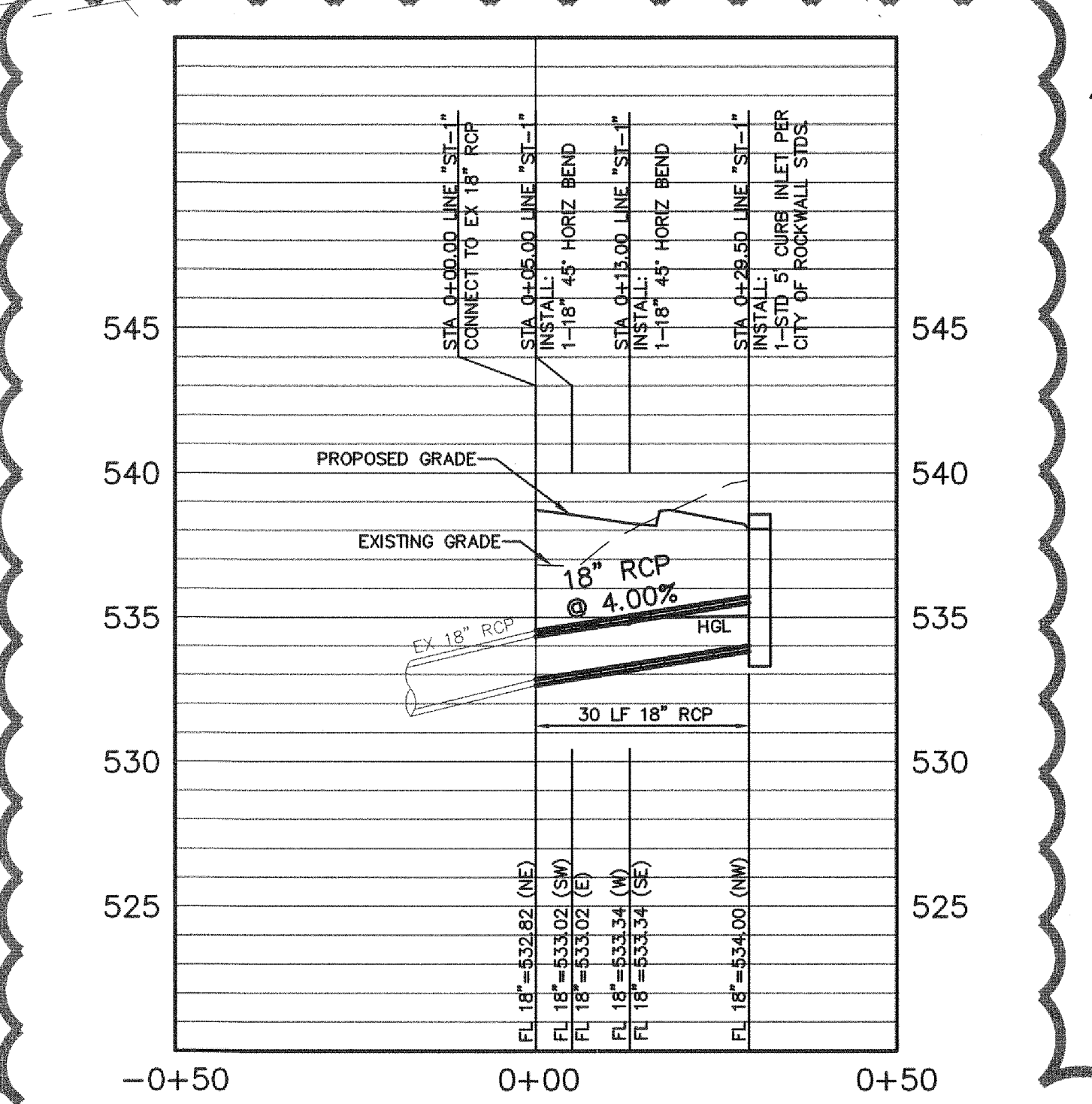
RECORD DRAWING

THE SIGNED AND SEALED CONSTRUCTION DOCUMENT HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. THE INFORMATION SHOWN ON THIS RECORD DRAWING, WHICH WAS PROVIDED BY THE CONTRACTOR, OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. PACHECO KOCH SHALL ASSUME NO LIABILITY FOR ANY CHANGES MADE DURING CONSTRUCTION THAT WERE NOT SPECIFICALLY APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF PACHECO KOCH.

ATTESTED BY: *C. Jack Evans*

SIGNATURE: _____

ENGINEER OF RECORD: C. JACK EVANS
CONTRACTOR: ROGERS-O'BRIEN CONSTRUCTION CO., LTD
DATE REVISED: 03/26/2014



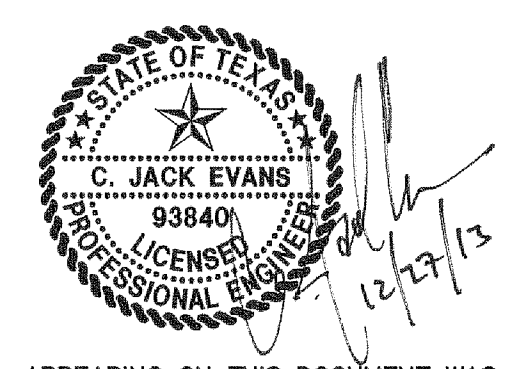
PROFILE LINE "ST-1"

BENCH MARK LIST

BM# 1 CITY OF ROCKWALL MONUMENT "RESET 1", 3" BRASS DISK FOUND AT RIDGE ROAD (F.M. 740) AND SUMMER LEE DRIVE NEAR THE NORTH WEST CORNER OF THE A PARKING LOT FOR COMMUNITY BANK. ELEV=567.70

BM# 2 " " " CUT SET ON THE BACK OF CURB AT THE POINT OF CURVE OF ROCKWALL PARKWAY AT THE NORTHEAST CORNER OF THE INTERSECTION OF SUMMER LEE DRIVE AND ROCKWALL PARKWAY. ELEV=552.82

Line ST-	1	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	n" Value	Design Slope (ft/ft)	Upstream Junction Type (1)	Connect or FL	Dwn HGL	Up HGL	Up HGL w/ Jump	Dwn FL	Up FL	V (fps)	V2/g (ft)	Sf	Ocap (cfs)	Dn (ft)	Dp (ft)	Vp (fps)	V2/g (ft)	Partial Station (2)	Partial Elevation (3)
0+56.50	0+00.00	8.56	Pipe	18"	0.013	0.0540	Bend - 45°	Soffits	531.82	533.42	534.49	529.76	532.81	4.84	0.36	0.0066	24.41	0.61	0.61	12.60	2.46	0+25.95	532.02		
0+00.00	0+05.00	8.56	Pipe	18"	0.013	0.0400	Bend - 45°	Soffits	534.49	534.53	534.71	532.81	533.01	4.84	0.36	0.0066	21.01	0.67	N/A	N/A	N/A	N/A	N/A	N/A	
0+05.00	0+13.00	8.56	Pipe	18"	0.013	0.0400	Bend - 45°	Soffits	534.71	534.76	534.95	533.01	533.33	4.84	0.36	0.0066	21.01	0.67	1.43	4.93	0.38	N/A	N/A	N/A	
0+13.00	0+29.50	8.56	Pipe	18"	0.013	0.0400	Inlet		534.00	534.95	535.05	535.84	533.33	533.99	4.84	0.36	0.0066	21.01	0.67	1.07	6.36	0.63	N/A	N/A	



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY C. JACK EVANS, P.E. 93840 ON 12/27/2013. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION
1	01/21/2014	ADDRESSED 1ST ROUND OF CITY COMMENTS
2	12/31/2013	MODIFIED INLET AND GRADES PER CITY COMMENTS.

Pacheco Koch
8350 N. CENTRAL EXPWY, SUITE 1000
DALLAS, TX 75206 972-235-3031
TX REG. ENGINEERING FIRM F-14439
TX REG. SURVEYING FIRM LS-101939-05

GRADING & DRAINAGE PLAN
THR PRESBYTERIAN HOSPITAL OF ROCKWALL
PARKING LOT EXPANSION
3150 HORIZON ROAD
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JGW	JGW JQ	DEC 2013	H: 1"=20' V: 1"=5'			C3.1