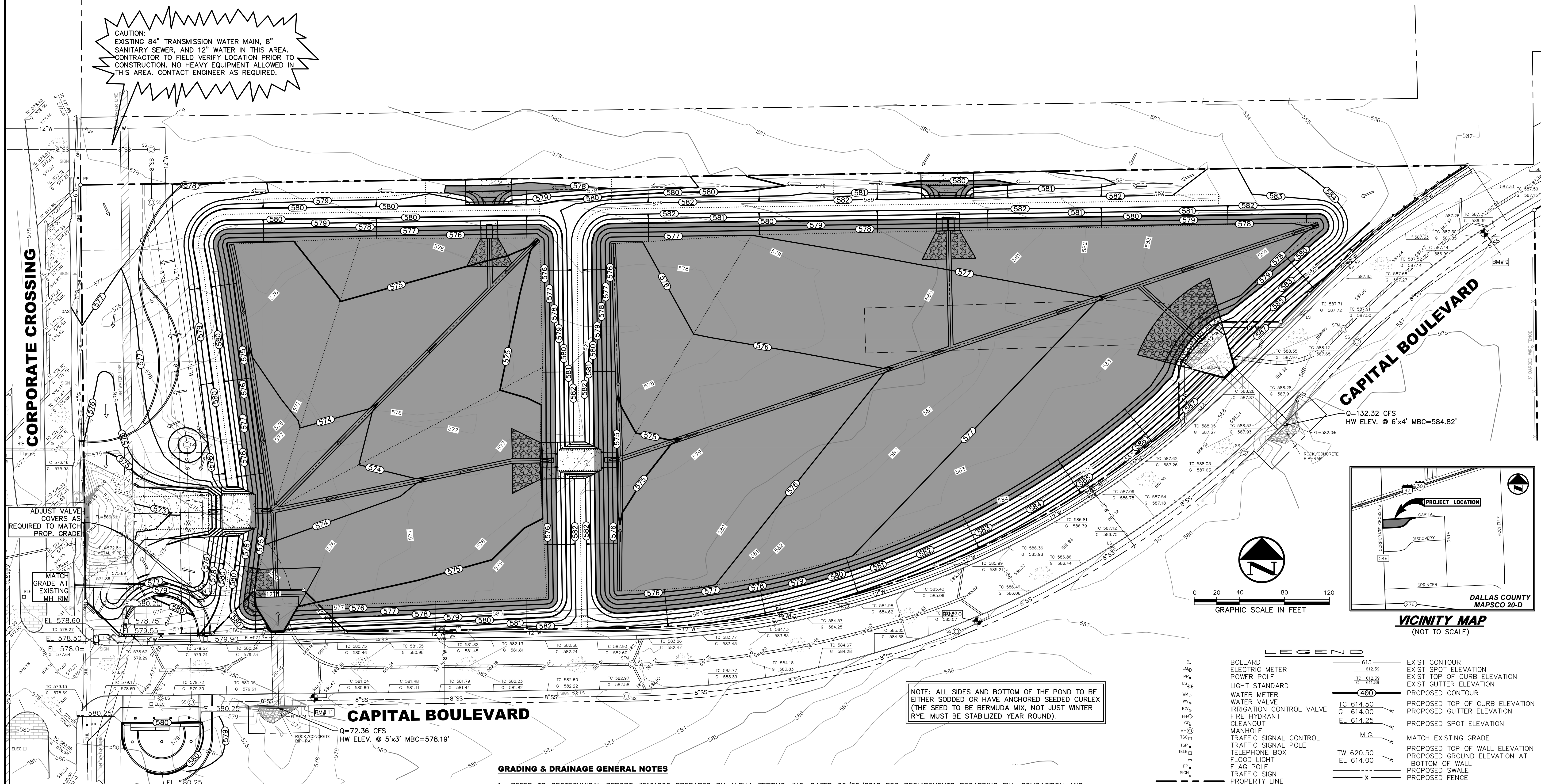


CAUTION:  
EXISTING 84" TRANSMISSION WATER MAIN, 8" SANITARY SEWER, AND 12" WATER IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION. NO HEAVY EQUIPMENT ALLOWED IN THIS AREA. CONTACT ENGINEER AS REQUIRED.



**CAPITAL BOULEVARD**  
Q=132.32 CFS  
HW ELEV. @ 6'x4' MBC=584.82'

**CAPITAL BOULEVARD**  
Q=72.36 CFS  
HW ELEV. @ 5'x3' MBC=578.19'

NOTE: ALL SIDES AND BOTTOM OF THE POND TO BE EITHER SODDED OR HAVE ANCHORED SEEDED CURLEX (THE SEED TO BE BERMUDA MIX, NOT JUST WINTER RYE. MUST BE STABILIZED YEAR ROUND).

**GRADING & DRAINAGE GENERAL NOTES**

- REFER TO GEOTECHNICAL REPORT #G161200 PREPARED BY ALPHA TESTING, INC. DATED 06/29/2016 FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
- UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT USING A SHEEP'S FOOT ROLLER. FILL TO BE PLACED IN MAXIMUM LIFTS OF 6 INCHES.
- SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.
- GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO FEDERAL, STATE, AND LOCAL GUIDELINES.
- ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (I.E. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL SHALL MATCH PROPOSED FINISHED GRADE).
- UNLESS NOTED, STORM DRAIN LINES SHALL BE OF THE FOLLOWING MATERIALS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS:
  - RCP C-76, CLASS III
  - ADS N-12
  - HANCOR HI-Q
  - CONTECH ALUMINIZED ULTRA FLOW
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE PIPE STABILITY DURING CONSTRUCTION
- FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS SHALL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
- REFER TO LANDSCAPE SPECIFICATIONS FOR SEEDING AND SODDING REQUIREMENTS.
- ANY CONCRETE, ROCK, OR MATERIAL DEEMED BY THE ENGINEER TO BE UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
- TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD EDITION) 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 (3RD EDITION) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG (3RD EDITION) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS NEAR THE OUTLET PIPE.
- ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL 4200 PSI MIN 6.5 SACK MIX UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
- CRUSHED STONE BEDDING OR APPROVED EQUAL SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM FOR CRUSHED STONE BEDDING.
- IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE. GRADING SLOPES ARE NOT TO EXCEED 4:1, UNLESS OTHERWISE NOTED.

**LEGEND**

B.	BOLLARD	613	EXIST CONTOUR
EM	ELECTRIC METER	612.39	EXIST SPOT ELEVATION
PP	POWER POLE	TC 612.39	EXIST TOP OF CURB ELEVATION
LS	LIGHT STANDARD	TC 611.89	EXIST GUTTER ELEVATION
WM	WATER METER	400	PROPOSED CONTOUR
WV	WATER VALVE	TC 614.50	PROPOSED TOP OF CURB ELEVATION
ICV	IRRIGATION CONTROL VALVE	G 614.00	PROPOSED GUTTER ELEVATION
FH	FIRE HYDRANT	EL 614.25	PROPOSED SPOT ELEVATION
CO	CLEANOUT	M.G.	MATCH EXISTING GRADE
MH	MANHOLE	TW 620.50	PROPOSED TOP OF WALL ELEVATION
TSC	TRAFFIC SIGNAL CONTROL	EL 614.00	PROPOSED GROUND ELEVATION AT BOTTOM OF WALL
TSP	TRAFFIC SIGNAL POLE	EL 614.00	PROPOSED SWALE
TELE	TELEPHONE BOX	x	PROPOSED FENCE
FL	FLOOD LIGHT	→	PROPOSED DRAINAGE FLOW DIRECTION
FP	FLAG POLE	---	GRADE BREAK
PP	PROPERTY LINE		
SIGN	TRAFFIC SIGN		
x	FENCE		
OHL	OVERHEAD UTILITY LINE		

**BENCH MARK LIST**

CITY BM #	DESCRIPTION	ELEVATION
#19	CITY OF ROCKWALL MONUMENT FOUND AT THE NORTHWEST INTERSECTION OF DIAMOND WAY AND SILVER VIEW.	ELEV=600.687
BM# 9	* CUT SET 1397± EAST OF INTERSECTION OF CORPORATE CROSSING AND CAPITAL BLVD. ON THE SOUTH SIDE OF CAPITAL BLVD. ON SOUTHWEST CORNER OF CURB INLET, 225± NORTHEAST OF HEADWALL AND 63± SOUTHWEST OF A LIGHT STANDARD.	ELEV=587.29
BM# 10	* CUT SET ON CURB INLET, 845± EAST OF CORPORATE CROSSING ON SOUTH SIDE OF CAPITAL BOULEVARD, 20± NORTHEAST OF SANITARY SEWER MANHOLE.	ELEV=586.09
BM# 11	* CUT SET ON CURB INLET, 225± EAST OF CORPORATE CROSSING ON SOUTH SIDE OF CAPITAL BOULEVARD, 10± NORTHEAST OF NORTHEAST END OF CONCRETE HEADWALL.	ELEV=581.05
BM# 12	* CUT SET ON CURB INLET, 200± NORTH OF CAPITAL BOULEVARD ON WEST SIDE OF CORPORATE CROSSING.	ELEV=576.51

**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.

ATTESSED BY:  
SIGNATURE: *[Signature]*  
ENGINEER OF RECORD: CHET LEJERS, P.E.  
CONTRACTOR: R.A. RAMOS GENERAL CONTRACTORS, INC.  
DATE REVISED: 09/18/2017

NO.	DATE	REVISION
1	09/18/2017	RECORD DRAWINGS
2	01/19/2017	REVISED GRADING & DELETED GUARDRAIL
3	11/30/2016	ADDED BENCHMARK LIST

**Pacheco Koch**  
7557 RAMBLER ROAD, SUITE 1400  
DALLAS, TX 75231 972.235.3031  
TX REG. ENGINEERING FIRM F-14439  
TX REG. SURVEYING FIRM LS-10193805

**GRADING PLAN**  
**ROCKWALL REGIONAL DETENTION POND**  
**LOT 1, BLOCK B**  
**CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CTL	RHB	AUG 2016				<b>C2.1</b>