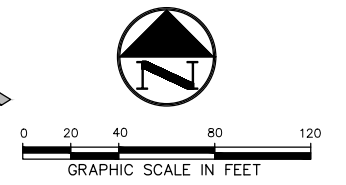


**!!! WARNING !!!**  
 EXISTING OVERHEAD/UNDERGROUND TELEPHONE, ELECTRIC AND UNDERGROUND GAS AND FIBER OPTIC UTILITIES IN THE AREA. CONTACT UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-DIG-TESS.



**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# 2	"X" CUT SET ON 1314'± EAST OF CORPORATE CROSSING AND DISCOVERY BLVD. ON THE NORTHEAST CORNER OF CURB INLET ON NORTH SIDE OF DISCOVERY BLVD., 100'± NORTHEAST OF FH W/YELLOW TOP AND 145'± NORTHWEST OF A LIGHT STANDARD.	ELEV=603.50
BM# 4	"X" CUT SET ON SOUTHEAST CORNER OF CURB INLET ON SOUTH SIDE OF DISCOVERY BLVD., 633'± WEST OF INTERSECTION OF DISCOVERY BLVD. AND DATA DRIVE, 48'± WEST OF A SANITARY SEWER MANHOLE AND 10'± NORTHEAST OF A WATER VALVE.	ELEV=608.91
BM# 5	"X" CUT SET ON SOUTHEAST CORNER OF DISCOVERY BLVD. AND DATA DRIVE ON SIDEWALK AT RAMP, 20'± NORTHEAST OF STOP SIGN, 20'± SOUTHWEST OF THE END OF GUARD-RAIL AND 60'± SOUTHWEST OF A STORM SEWER MANHOLE IN CENTERLINE OF INTERSECTION.	ELEV=600.46
BM# 7	"X" CUT SET AT THE NORTHEAST INTERSECTION OF DATA DRIVE AND CAPITAL BLVD. ON THE EAST CURB OF DATA DRIVE, 20'± EAST OF THE STORM SEWER MANHOLE IN CENTERLINE OF INTERSECTION AND 14'± SOUTH OF THE END OF A GUARD-RAIL.	ELEV=603.52
BM# 8	"X" CUT SET ON EDGE OF CONCRETE ON THE NORTH SIDE OF CAPITAL BLVD., 900'± FROM INTERSECTION OF DATA DRIVE AND CAPITAL BLVD., 134'± NORTHEAST OF STORM SEWER MANHOLE ON CENTERLINE OF CAPITAL BLVD., AND 35'± NORTHWEST OF A FIRE HYDRANT W/ YELLOW TOP ON SOUTHSIDE OF CAPITAL BLVD.	ELEV=592.77
BM# 9	"X" 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

**LEGEND**

BL	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
PL	FLAG POLE
TR	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
---	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 SWALE
---	PROPOSED FENCE
---	PROPOSED DRAINAGE FLOW DIRECTION
---	GRADE BREAK

**GRADING & DRAINAGE GENERAL NOTES**

- REFER TO GEOTECHNICAL REPORT PREPARED BY ALPHA TESTING, INC., REPORT #G160266 DATED 04/14/2016 FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT, USING A SHEEP'S FOOT ROLLER.
- 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.
- 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 (PRIVATE ONLY)
  - HANCOR HI-0 (PRIVATE ONLY)
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE PIPE STABILITY DURING CONSTRUCTION.
- UNLESS NOTED, INLETS AND JUNCTION BOXES TO BE "FORTERRA" CATCH BASIN SIZED AS SHOWN, OR APPROVED EQUAL.
- 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.
- ALL DETENTION SYSTEMS TO BE FULLY INSTALLED AND FUNCTIONING PRIOR TO ANY CONCRETE INSTALLATION INCLUDING SLAB. THE SIDES AND BOTTOM OF THE DETENTION SYSTEM TO HAVE EITHER SEEDED ANCHORED CURLEX (BERMUDA SEED) OR SODDED PRIOR TO ANY CONCRETE PLACEMENT.

**RECORD DRAWING**

THE SIGNED AND SEALED CONSTRUCTION DOCUMENT HAS BEEN PROVIDED 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: *[Signature]*  
 ENGINEER OF RECORD: CHET LEUGERS, P.E.  
 CONTRACTOR: MILLER-VALENTE CONSTRUCTION  
 DATE REVISED: 06/08/2017

NO.	DATE	REVISION
06/09/2017	RECORD DRAWINGS	
08/25/2016	ADDED MATCH LINE TO SHEET C8.1	

**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 MANUFACTURING FACILITY**  
**LOT 1, BLOCK A, ROCKWALL**  
**TECHNOLOGY PARK, PHASE IV**  
**CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CTL	RHB	JULY 2016	1"=40'			<b>C2.2</b>

6/14/2017 11:51 AM  
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Rockwall Manufacturing Facility