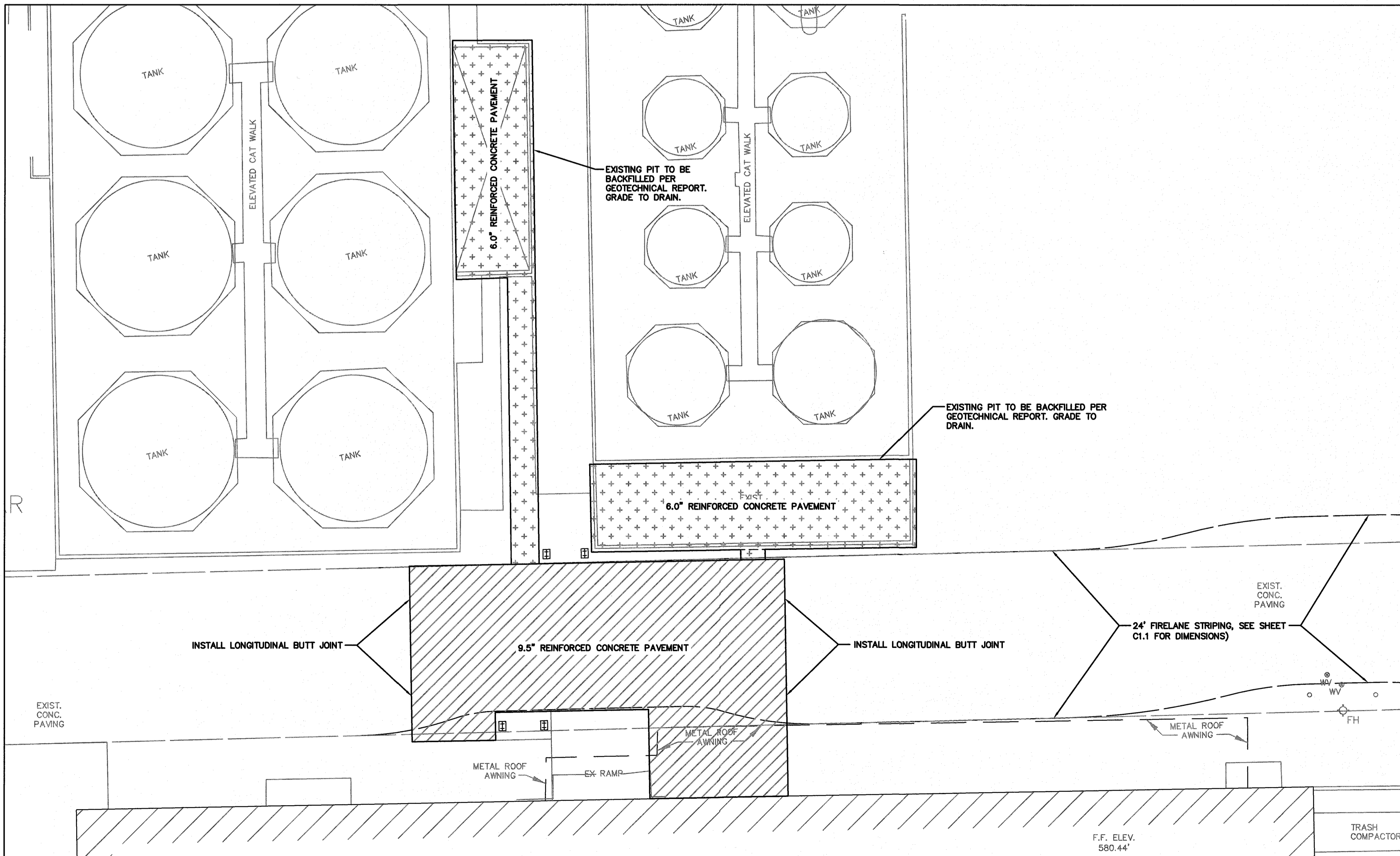


GRADING PLAN

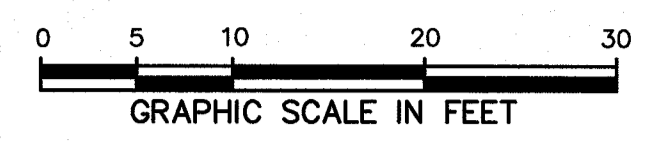


PAVING PLAN

NOTE: ELEVATIONS SHOWN HAVE NOT BEEN VERIFIED ON THE GROUND BY PACHECO KOCH AND ARE BASED ON A TOPOGRAPHIC SURVEY PREPARED BY THE OWNER. SEVERAL SITE IMPROVEMENTS HAVE BEEN MADE SINCE SURVEY WAS DONE. CONTRACTOR IS TO CONFIRM EXISTING ELEVATIONS PRIOR TO COMMENCING WORK.

TOPOGRAPHIC SURVEY PREPARED BY:
NORTH TEXAS SURVEYING, L.L.C.
MICHAEL B. ARTHUR, RPLS NO. 5686
DATED: 12/09/2011

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.



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
 - TEL ⊙ TELEPHONE BOX
 - FL ⊙ FLOOD LIGHT
 - FP ⊙ FLAG POLE
 - TR ⊙ TRAFFIC SIGN
 - IRS ⊙ 1/2-INCH IRON ROD W/ "PACHECO KOCH" CAP SET
 - (C.M.) CONTROLLING MONUMENT
 - PROPERTY LINE
 - X- FENCE
 - OH- OVERHEAD UTILITY LINE
 - 613 EXIST CONTOUR
 - 612.39 EXIST SPOT ELEVATION
 - TC 612.39 EXIST TOP OF CURB ELEVATION
 - G 611.92 EXIST GUTTER ELEVATION
 - 571 PROPOSED CONTOUR
 - TC 614.50 PROPOSED TOP OF CURB ELEVATION
 - G 614.00 PROPOSED GUTTER ELEVATION
 - EL 614.50 PROPOSED SPOT ELEVATION
 - MG MATCH EXISTING GRADE
 - TW 614.50 PROPOSED TOP OF WALL ELEVATION
 - EL 610.00 PROPOSED GROUND ELEVATION AT BOTTOM OF WALL
 - PROPOSED DRAINAGE FLOW DIRECTION
 - PROPOSED SWALE
 - PROPOSED 100 YR FLOODPLAIN LIMITS
 - TRUCK TRAFFIC AND FIRELANE AREAS (HEAVY DUTY PAVEMENT) 9.5" REINFORCED CONCRETE PAVEMENT (4,000 PSI @ 28 DAY COMPRESSION TEST)
 - HIGH DENSITY AREAS (MEDIUM DUTY PAVEMENT) 6.0" REINFORCED CONCRETE PAVEMENT (4,000 PSI @ 28 DAY COMPRESSION TEST)
- NOTE: FOR TRUCK TRAFFIC, FIRELANE AND DRIVE AREAS, A MINIMUM OF 6 SACK CONCRETE MIX WILL BE NEEDED FOR MACHINING FINISHED AREAS AND A MINIMUM OF 6.5 SACK CONCRETE MIX WILL BE NEEDED FOR HAND FINISHED AREAS PER CITY OF ROCKWALL STANDARDS. CITY OF ROCKWALL ENGINEERING DEPARTMENT MUST APPROVE CONCRETE MIX DESIGN FOR FIRELANE.

GRADING & DRAINAGE GENERAL NOTES

- REFER TO GEOTECHNICAL REPORT 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. FILL TO BE PLACED IN MAXIMUM LIFTS OF 8 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).
- UNLESS NOTED, STORM DRAIN LINES SHALL BE OF THE FOLLOWING MATERIALS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS:
6.A. RSP C-76
6.B. ADS N-12
6.C. HANCOR HI-Q
- UNLESS NOTED, GRATE INLETS TO BE "HANSON PIPE AND PRECAST" CATCH BASIN SIZED AS SHOWN, OR APPROVED EQUAL.
- FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS WILL 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 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.
- EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 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 CONFORM TO NCTCOG ITEM 702.2.4, CLASS "A" (3000 PSI) 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.

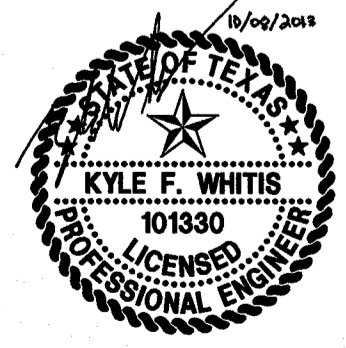
BENCH MARK LIST

- BM# 1 "x" CUT FOUND, CENTER RADIUS POINT, EAST END OF WHITMORE DRIVE WEST OF LOT 2, BLOCK A - WHITMORE INDUSTRIAL PARK, SOUTH OF LOT 4, BLOCK A - MUNICIPAL INDUSTRIAL PARK (8/30) ELEV=588.90'
- BM# 2 "x" CUT FOUND, 55.29' EAST OF THE SOUTHWESTERLY CORNER OF LOT 2, BLOCK A - WHITMORE INDUSTRIAL PARK, NORTH SIDE OF WHITMORE DRIVE ELEV=574.02'
- BM# 3 "x" CUT SET ON CONC. STORM INLET, NORTH SIDE OF JUSTIN ROAD 8' EAST OF THE SOUTHEASTERLY CORNER OF LOT 2, BLOCK A AND THE SOUTHWESTERLY CORNER OF LOT 3, BLOCK A - WHITMORE INDUSTRIAL PARK ELEV=580.87'

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:
SIGNATURE: *[Signature]*
ENGINEER OF RECORD: KYLE F. WHITIS
CONTRACTOR: BECK
DATE REVISED: 07/07/2014



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KYLE F. WHITIS, P.E. 101330 ON 10/09/2013. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION

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-101938-05

GRADING & PAVING PLAN
WHITMORE MANUFACTURING
PHASE 2B
930 WHITMORE DRIVE
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JGW	JGW	OCT 2013	1"=10'			C2.1

C:\DWG\323-13.288\DWG\CSD 2013\3273-13.288-GR PAV.DWG
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