PARKING LOT RECONSTRUCTION

CAMERON COUNTY, TEXAS

2024

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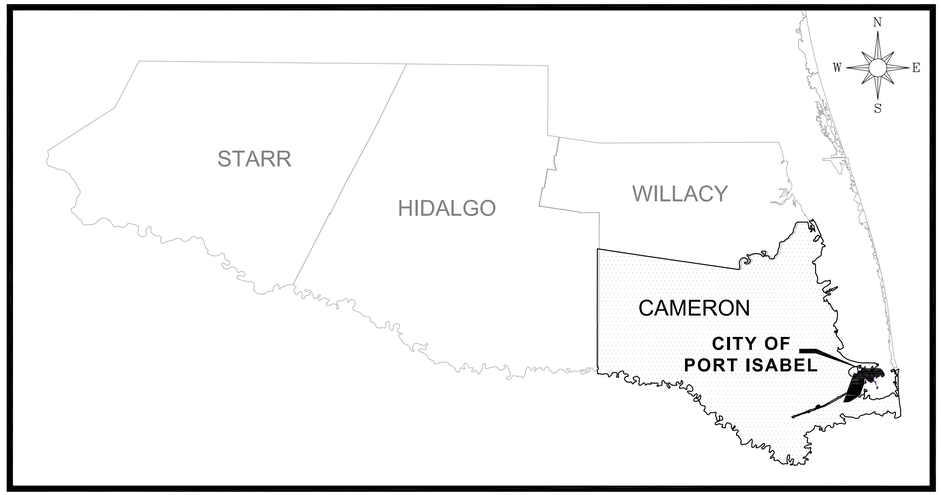

RIO GRANDE VALLEY

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PROJECT: 22-125

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Texas 811
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GENERAL NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES (NO SEPARATE PAY). ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER IN WRITING PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF THIS CONSTRUCTION OPERATION WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
2. MAINTAIN A MINIMUM OF 18 INCHES CLEARANCE BETWEEN ALL UTILITIES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO OBTAIN ALL CONSTRUCTION PERMITS NOT SUPPLIED BY OWNER AT HIS EXPENSE PRIOR TO COMMENCEMENT OF WORK.
4. CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN ONLY BE ISSUED TO CONTRACTOR WILL BE OBTAINED AT HIS EXPENSE.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION OF PROPOSED FACILITIES. NATURAL GROUND ADJACENT TO UTILITY TRENCH EXCAVATION TO BE CLEARED AND GRUBBED PRIOR TO PLACEMENT OF EXCESS TRENCH MATERIAL (NO ADDITIONAL PAYMENT - INCLUDE IN COST OF UNDERGROUND UTILITIES CONSTRUCTION.)
6. CONTRACTOR IS RESPONSIBLE FOR CLEANING MUD AND/OR DIRT TRACKED ONTO EXISTING STREETS BY HIS WORKMEN'S SUPPLIERS, OR SUBCONTRACTOR'S VEHICLES. STREETS MUST BE CLEANED WITHIN 2 HOURS OF WHEN THE TRACKING OCCURS. NO SEPARATE PAY.
7. RETESTING OF ALL UTILITIES AND ACCEPTANCE BY OWNER SUBSEQUENT TO THE PAVEMENT CONSTRUCTION WILL BE THE UTILITY CONTRACTOR'S RESPONSIBILITY. NO SEPARATE PAY.
8. CONTRACTOR IS HEREBY INFORMED THAT ALL TRENCHING AND SHORING WILL BE DONE IN STRICT ACCORDANCE WITH THE LATEST OSHA STANDARDS.
9. WHERE CONTRACTOR'S WORK AND/OR EQUIPMENT CAUSE AN OBSTRUCTION TO TRAFFIC, CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH PART VI OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (TEXAS MUTCD, MOST RECENT EDITION AS REVISED) DURING CONSTRUCTION. A WRITTEN TRAFFIC CONTROL PLAN SHALL BE SUBMITTED PRIOR TO CONSTRUCTION FOR REVIEW BY THE CITY ENGINEER & OTHER APPROPRIATE PERSONS.
10. LOCATION OF EXISTING UNDERGROUND UTILITIES AND SERVICE LINES (WATER, SEWER, GAS, TELEPHONE, ELECTRICAL, ETC.) ARE DETERMINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE. CONTRACTOR TO LOCATE LINES AND/OR OBSTRUCTIONS AHEAD OF EXCAVATION.
11. ANY SOIL BORINGS CONTRACTOR REQUIRES ARE TO BE DONE BY THE CONTRACTOR AT HIS EXPENSE.
12. OVERHEAD LINES MAY EXIST ON THE PROPERTY. CLEARLY VISIBLE LINES ARE NOT MARKED, AND PUBLIC WORKS TO NOTE THEIR LOCATION PRIOR TO CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR OBJECTS MY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. CONTRACTOR IS LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY.
13. ANY DAMAGES TO FENCES, WALKS OR PRIVATE PROPERTY SHALL BE REPAIRED BY CONTRACTOR AT CONTRACTORS EXPENSE, NO SEPARATE PAY.
14. CONTRACTOR TO MAKE ARRANGEMENTS WITH THE APPROPRIATE UTILITY COMPANY FOR SECURING POLES, IF NECESSARY, WHILE CONSTRUCTION PASSES BY POLES. COSTS OF SECURING POLES WILL BE PAID FOR BY THE CONTRACTOR. NO SEPARATE PAY.
15. CONSTRUCTION STAKING (ALIGNMENT AND GRADE) TO BE PROVIDED BY CONTRACTOR AT NO SEPARATE PAY.
16. SURPLUS EXCAVATED MATERIAL SHALL BE REMOVED AND DISPOSED OF OFF-SITE AS DIRECTED BY THE CITY ENGINEER. IF THE CITY ENGINEER NOTIFIES THE CONTRACTOR THAT THE OWNER DOES NOT HAVE USE FOR THIS MATERIAL, THE SURPLUS MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR. AND IT IS HIS RESPONSIBILITY TO DISPOSE OF THE MATERIAL.
17. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL REQUIREMENTS.
18. THE CONTRACTOR SHALL PROTECT EXISTING UNDERGROUND FACILITIES DURING INSTALLATION OF PROPOSED WORK.
19. PAVED SURFACES SHALL BE PROTECTED FROM DAMAGE FROM TRACKED EQUIPMENT.
20. IRON RODS DISTURBED DURING CONSTRUCTION TO BE REPLACED BY REGISTERED PUBLIC LAND SURVEYOR TO ORIGINAL PROPERTY CORNER AT NO SEPARATE PAY.
21. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AN UPDATED REDLINED "AS-BUILT" SET OF PLANS ON SITE FOR INSPECTION BY THE CITY ENGINEER, THE CITY ENGINEER'S REPRESENTATIVE, AND THE OWNER'S REPRESENTATIVE.
22. WORK PERFORMED UNDER THIS CONTRACT IS GOVERNED BY REQUIREMENTS OF SEVERAL PUBLIC GOVERNMENTAL AND PRIVATE ENTITIES. PUBLIC WORKS SHALL COMPLY WITH ALL REQUIREMENTS OF GOVERNING ENTITIES.
23. CONTRACTOR TO COORDINATE WITH THE ECONOMIC DEVELOPMENT CORPORATION ENGINEERING DEPARTMENT ON WORK SCHEDULES, TESTING, GENERAL INSPECTION, AND EXISTING LINES.
24. ALL CONSTRUCTION MATERIALS TESTING WILL BE COORDINATED THROUGH ECONOMIC DEVELOPMENT CORPORATION ENGINEERING DEPARTMENT.
25. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

GENERAL CONCRETE NOTES:

1. ALL CONCRETE WORK TO BE FORMED, UNLESS OTHERWISE APPROVED.
2. ALL CONCRETE TO BE 4000-PSI MINIMUM AT 28 DAYS, UNLESS OTHERWISE SHOWN.
3. STRENGTH TO BE DETERMINED BY CYLINDER BREAK TEST.
4. ALL REINFORCING STEEL TO BE ASTM A-615, GRADE 60, UNLESS OTHERWISE SHOWN.
5. ALL EXPOSED CONCRETE WORK TO BE CHAMFERED. DEMOLITION, REMOVAL, AND DISPOSAL OF ALL EXCESS CONCRETE, CURBS, RUBBLE, ETC. TO BE DONE IN A LEGAL MANNER AT CONTRACTOR'S EXPENSE.
6. FILL TO BE PLACED IN MAXIMUM 6 INCH LIFTS AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY PER ASTM D-698, UNLESS OTHERWISE NOTED.
7. MINIMUM CONCRETE THICKNESS SHALL BE AS SHOWN ON PAVEMENT DETAILS FOR ALL VALLEY GUTTER, CONCRETE APRONS, AND CONCRETE SLABS. TESTING OF CONCRETE SHALL BE AS DIRECTED BY ENGINEER AND LMWD.

SANITARY SEWER CONSTRUCTION NOTES:

1. ALL PROPOSED SEWER LINES WILL BE SDR 26 PIPE MATERIAL UNLESS OTHERWISE NOTED.)
2. CONTRACTOR TO PROVIDE DEFLECTION TEST IN ACCORDANCE WITH TCEQ CHAPTER 317.2 (a) (4) (c). MANDREL TO BE PULLED IN BOTH DIRECTIONS.
3. THE SHALL INSTIGATE CORRECTIVE ACTION FOR ANY MANDREL TESTING THAT FAILS AND MUST HAVE THE SEWER LINE RE-TESTED AT THE CONTRACTOR'S COST UNTIL ALL TESTING HAS BEEN SATISFACTORILY COMPLETED.
4. CONTRACTOR TO PROVIDE LOW PRESSURE AIR TEST IN ACCORDANCE WITH TCEQ CHAPTER 317.2 (a) (4) (b). 30 DAYS AFTER INSTALLATION, NO WATER TEST ALLOWED.
5. CONTRACTOR TO FIELD VERIFY THE LOCATION OF EXISTING UTILITIES AND FACILITIES PRIOR TO CONSTRUCTION.
6. ALL CROSSING OF WASTEWATER COLLECTION LINES AND WATERLINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TCEQ REGULATIONS CHAPTER 290 AND 317.
7. CONTRACTOR TO PROVIDE LEAKAGE TEST FOR MANHOLE IN ACCORDANCE WITH TCEQ CHAPTER 317.2 (c) (5) (h) OF THE STATE WASTEWATER CODE. NO WATER TEST ALLOWED.
8. CONTRACTOR TO STAMP CURB WITH "S" AT LOCATION OF WASTEWATER SERVICE LINE FOR VACANT LOTS.
9. NO WATER JETTING ALLOWED, MECHANICAL COMPACTION REQUIRED.
10. THE CONTRACTOR SHALL DEVELOP A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.
11. FITTINGS WITH DEFLECTIONS ARE NOT PERMITTED ON GRAVITY WASTWATER LINES.
12. ANY EXCAVATION BELOW FIVE FEET SHALL COMPLY WITH THE LATEST VERSION OF OSHA TRENCH PROTECTION STANDARDS. ANY CONSTRUCTION BELOW 5 FEET IS PROHIBITED UNLESS TRENCH PROTECTION IN ACCORDANCE WITH OSHA STANDARDS IS PROVIDED AND APPROVED BY THE ENGINEER.
13. THE TOP ELEVATION OF MANHOLES AND CLEANOUTS CONSTRUCTED ON IN PAVED AREAS SHALL MATCH FINISHED PAVEMENT GRAD. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GREEN AREAS SHALL BE SIX (6) INCHES ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON PLANS.
14. ALL MANHOLES MUST BE ENCASED BY A CONCRETE COLLAR BEING SQUARE IN TRAFFIC AREAS AND ROUND ON GREEN AREAS AS SHOWN ON DETAILS WHICH IS IN ACCORDANCE WITH LMWD STANDARDS.
15. ALL MANHOLES SHALL BE INFILTRATION PROOF (WATER CAPTURE BOWL UNDERNEATH MANHOLE COVER) UNLESS OTHERWISE DIRECTED BY LMWD.
16. ENGINEER SHALL PROVIDE ALL OF THE CONSTRUCTION STAKING FOR ALL PUBLIC IMPROVEMENTS.
17. ALL CASINGS MUST BE CENTERED ON THE PROPOSED SANITARY SEWER LINES AND SPACERS ARE TO BE UTILIZED AS PER LMWD STANDARDS.
18. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
19. TRENCH BEDDING FOR SEWER LINES SHALL BE AS PER LMWD STANDARD. SEWER LINE IDENTIFIER TAPE SHALL BE GREEN IN COLOR.
20. ALL GRAVITY CONSTRUCTION IS TO BEGIN AT THE DOWNSTREAM. CONTRACTOR IS ALSO REQUIRED TO FIELD VERIFY ALL TIE IN LOCATIONS BEFORE COMMENCING CONSTRUCTION.
21. RECOMMENDED FOR THE IDENTIFICATION OF PRESSURE RATED WASTEWATER MAINS DURING FUTURE BROWN COLORING IN CEMENT STABILIZED SAND FOR WASTEWATER MAIN OR LATERAL BEDDING IS MINIMUM OF SIX INCHES ABOVE AND FOUR INCHES BELOW THE WASTEWATER MAIN OR LATERAL .THE USE OF LEAST 2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE) .THE CEMENT STABILIZED SAND BEDDING SHALL BE A CEMENT PER CUBIC YARD OF CEMENT STABILIZED SAND MIXTURE ,BASED ON LOOSE DRY WEIGHT VOLUME (AT STABILIZED SAND BEDDING IS REQUIRED ,THE CEMENT STABILIZED SAND SHALL HAVE A MINIMUM OF 10% 13. PER 30 TAC 290 SUBCHAPTER D: RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS , "WHERE CEMENT CONSTRUCTION.

WATER LINE CONSTRUCTION NOTES:

1. ALL WATER LINES TO BE C-900 DR18 PVC UNLESS OTHERWISE NOTED.
2. DOUBLE CHECK VALVE WILL BE REQUIRED WHEN FLUSHING NEW WATERLINE PRESSURE TESTING.
3. ALL WATER AND WASTEWATER COLLECTION LINE CROSSING TO BE CONSTRUCTED IN ACCORDANCE WITH TCEQ REGULATION, CHAPTER 290 AND 317.
4. CONTRACTOR TO FIELD LOCATE EXISTING METERS AND PROPOSED SERVICE CONNECTION LOCATIONS PRIOR TO CONSTRUCTION OF MAIN.
5. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING LINES TO BE TIED INTO NEW MAIN PRIOR SETTING LOCATION OF TIE-IN TEE AND VALVE ON MAIN.
6. WATERLINE MAINS TO BE HYDROSTATICALLY AND BACTERIOLOGICAL TESTED PER LMWD REQUIREMENTS PRIOR TO TIE-INS. LMWD APPROVAL OF TESTING REQUIRED.
7. CONTRACTOR TO STAMP CURB WITH "W" AT LOCATION OF WATER SERVICE LINES FOR VACANT LOTS.
8. CONTRACTOR SHALL MAINTAIN AS MINIMUM 9 FEET HORIZONTAL AND 2 FEET VERTICAL SEPARATION BETWEEN WATER LINES AND ANY OTHER SEWER.
9. NO WATER JETTING ALLOWED, MECHANICAL COMPACTION REQUIRED.
10. FIRE HYDRANTS SHALL BE PLACED 3 FEET BEHIND BACK OF CURB AND FLANGE SHALL BE 6 INCHES ABOVE GRAD.
11. CONTRACTOR SHALL MAINTAIN A MINIMUM 4 FEET OF COVER ON ALL WATER LINES.
12. FITTING TO BE USED ON DEFLECTIONS AS NEEDED.
13. THE CONTRACTOR SHALL DEVELOP A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.
14. TRENCH BEDDING FOR WATER LINES SHALL BE AS PER LMWD STANDARD. WATER LINE IDENTIFIER TAPE SHALL BE BLUE IN COLOR.
15. RECOMMENDED FOR THE IDENTIFICATION OF PRESSURE RATED WASTEWATER MAINS DURING FUTURE BROWN COLORING IN CEMENT STABILIZED SAND FOR WASTEWATER MAIN OR LATERAL BEDDING IS MINIMUM OF SIX INCHES ABOVE AND FOUR INCHES BELOW THE WASTEWATER MAIN OR LATERAL .THE USE OF LEAST 2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE) .THE CEMENT STABILIZED SAND BEDDING SHALL BE A CEMENT PER CUBIC YARD OF CEMENT STABILIZED SAND MIXTURE ,BASED ON LOOSE DRY WEIGHT VOLUME (AT STABILIZED SAND BEDDING IS REQUIRED ,THE CEMENT STABILIZED SAND SHALL HAVE A MINIMUM OF 10% 16. PER 30 TAC 290 SUBCHAPTER D: RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS , "WHERE CEMENT CONSTRUCTION

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) RULES AND REQUIREMENTS

THE CONTRACTOR SHALL STRICTLY ADHERE TO TCEQ RULES AND REGULATIONS WHICH REGULATE THE INSTALLATION AND TESTING OF DOMESTIC WATER AND WASTWATER PROJAS DETAILED IN 30 TAC. CHAPTER 317.1 OF THE TNRCC/TCEQ RULES. ALL MINIMUM SEPARATION DISTANCES AND CROSSING REQUIREMENTS ARE TO BE STRICTLY ADHERED TO. IT IS THE CONTRACTOR'S REWPONSIBILITY FOR THE ADHERENCE TO THESE REQUIREMENTS.

TRAFFIC NOTES:

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SIGN AND BARRICADE PLAN CONFORMING THE REQUIREMENTS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CITY'S CONSTRUCTION INSPECTOR AND THE TRAFFIC ENGINEERING REPRESENTATIVE WILL BE RESPONSIBLE ONLY TO INSPECT THE TRAFFIC CONTROL DEVICES BEING EMPLOYED. IF IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE CONSTRUCTION INSPECTOR, THE TRAFFIC CONTROL DEVICES DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE CONSTRUCTION INSPECTOR SHALL HE THE OPTION TO STOP CONSTRUCTION OPERATIONS AT NO EXPENSE TO THE CITY UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED BY THE CONTRACTOR.
2. PRIOR TO REMOVING ANY TRAFFIC OR TRAFFIC SIGNALS, THE CONTRACTOR SHALL CONTACT THE CITY'S TRAFFIC OPERATIONS SECTION. PRIOR TO COMPLETION OF THE CONTRACT AND REMOVAL OF THE BARRICADES, THE CONTRACTOR SHALL AGAIN CONTACT THE TRAFFIC OPERATION SECTION. THE BARRICADES SHALL NOT BE REMOVED UNTIL ALL APPLICABLE PERMANENT TRAFFIC SIGNS AND SIGNALS ARE IN PLACE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND MAINTAIN TEMPORARY STOP SIGNS AND ALL OTHER TRAFFIC CONTROL DEVICES REQUIRED TO PROTECT THE GENERAL PUBLIC. IF THE CITY HAS REMOVED PERMANENT STOP SIGNS, THE CONTRACTOR SHALL REQUEST THAT THE SIGNS BE RETURNED TO THE CONSTRICTION SITE SO THAT THEY CAN BE REINSTALLED BY THE CONTRACTOR. ALL PERMANENT SIGNS OR TRAFFIC CONTROL DEVICES MISSING OR DAMAGED UPON COMPLETION OF THE CONSTRICTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST CONTACT THE CONSTRUCTION INSPECTOR 48 WORKING HOURS IN ADVANCE (NOT INCLUDING WEEKENDS) OF A STREET CLOSURE. AFTER NOTIFICATION BE THE CONTRACTOR, THE CONSTRUCTION INSPECTOR WILL IMMEDIATELY CONTACT THE NECESSARY DEPARTMENT(S) TO MAKE ARRANGEMENTS. CONTRACTOR WILL ENSURE DEPARTMENT(S) AND THE CONSTRUCTION INSPECTOR HAVE AGREED PRIOR TO PROCEEDING.
5. THE CONSTRUCTION INSPECTOR WILL INSPECT THE SEE THAT THE CONTRACTOR MAINTAIN HIS BARRICADES AND SIGN EVERY DAY.
6. AS WORK PROGRESSES, LOCATION OF BARRICADES WILL BE ADJUSTED AND MODIFIED AS NECESSARY BY THE CONTRACTOR.
7. IF THE NEED ARISES, ADDITIONAL BARRICADES AND DIRECTIONAL DEVICES MAY BE ORDERED BY TRAFFIC ENGINEERING REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL TRAFFIC CONTROL DEVICES, STRIPING, LIGHTING AND WARNING DEVICES USED OR REQUIRED WITHIN THE ESTABLISHED AREA OF THE CONSTRICTION OPERATIONS.
9. SHOULD A TRAFFIC CONTROL PLAN BE REQUIRED, THE CONTRACTOR WILL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER TO PREPARE, SEAL AND SIGN THE TRAFFIC CONTROL PLAN(S).

PAVING CONSTRUCTION NOTES:

1. PAVEMENT TESTING AND COMPACTION SHALL BE AS FOLLOWS:
   SUBGRADE: 95% PROCTOR AT EVERY 1,000 SQUARE YARDS,
   BASE:98% PROCTOR AT EVERY 1,000 SQUARE YARDS,
   HMAC: EVERY 1,500 SQUARE YARDS OR FRACTION THEREOF FOR THICKNESS VERIFICATION.
2. HOT MIX ASPHALT CONCRETE TO BE IN ACCORDANCE WITH TxDOT SPECIFICATION TYPE "D" ITEM 340.
3. SUBGRADE EXCAVATION AND RE-COMPACTION TO BE INCLUDED IN PRICE BID PER SQUARE YARD FOR "LIME TREATED SUBGRADE."
4. CONSTRUCTION JOINTS TO EXISTING PAVEMENT SHALL BE MADE BY EITHER CUTTING BACK EXISTING TO PRODUCE A BEVELED EDGE FOR THE FULL THICKNESS OF THE WEARING COURSE OR A SUITABLE LAP JOINT SHALL BE MADE. SAW CUTTING REQUIRED.
5. ALL FINISHED CALICHE BASE COURSE SHALL BE COATED WITH PRIME MC-30 AT A RATE OF 0.20 GALLONS PER SQUARE YARD. TACK COAT RATE SHALL BE 0.10 GALLONS PER SQUARE YARD.
6. NO TRAFFIC SHALL BE ALLOWED ON THE FINISHED WEARING SURFACE UNTIL AT LEAST 12 HOURS AFTER COMPLETION OF ROLLING.
7. HOT MIX ASPHALT CONCRETE TRANSPORT TRUCKS TO BE EQUIPPED WITH CANVAS COVERS TO BE UTILIZED DURING MATERIAL HAULING. MATERIAL DELIVERED TO SITE AT IMPROPER TEMPERATURE SHALL BE REJECTED. HOT MIX SHALL BE LAID AT A MINIMUM TEMPERATURE OF 255°F.
8. WHEN TYING INTO EXISTING CURB, EXPOSE REBAR AND FORM EXPANSION JOINT PER DETAIL SHEET.
9. ALL PAVEMENTS SHALL BE NEATLY SAW-CUT. DAMAGE TO PAVEMENT BEYOND THE EXTENTS OF TRENCH WIDTHS AS A RESULT OF FAILURE TO PROPERLY SAW-CUT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
10. ANY SETTLEMENT UNDER PAVEMENT DUE TO INADEQUATE COMPACTION OF UTILITY LINE BACK FILL SHALL BE CAUSE FOR RE-COMPACTION OF TRENCH AND REPLACEMENT OF PAVEMENT SECTION.
11. CONTRACTOR TO PROVIDE TRANSITION FROM EXISTING DRIVEWAYS TO PROPOSED STREET GRADE AT A MAXIMUM SLOPE OF 10%
12. OWNER SHALL PAY FOR ALL ROADWAY TESTING AS AUTHORIZED BY ENGINEER. ALL ROADWAY TESTS THAT FAIL SHALL BE PAID FOR BY THE CONTRACTOR AFTER CORRECTION OF PROBLEM.
13. ALL PAVING SHALL BE IN ACCORDANCE WITH THE PAVING PLANS AND SPECIFICATIONS. DEVIATION FROM THESE PLANS AND SPECIFICATIONS BY THE CONTRACTOR ARE NOT PERMITTED WITHOUT FIRST WRITTEN AUTHORIZATION FROM THE PROJECT ENGINEER.
14. IMPORTANT! CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL TRAFFIC AFFECTED BY THE WORK WITH SIGNS, FLAGS, LIGHTS AND FLAG MAN AS REQUIRED BY THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ALONG ALL ROADWAYS.
15. CONTRACTOR TO REPLACE ALL PAVEMENT MARKINGS AND MARKERS THAT WERE REMOVED ,DEMOLISHED ,OR DAMAGED DURING CONSTRUCTION (.NO SEPARATE PAY)
16. LOCATION, IDENTIFICATION AND RELOCATION OF UTILITIES (IF ANY) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY PERMITS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR.
17. NO TRAFFIC SHALL BE ALLOWED ON THE FINISHED WEARING SURFACE UNTIL AT LEAST 12 HOURS AFTER COMPLETION OF ROLLING.
18. ALL PAVING CONSTRUCTION SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE (1) YEAR BEGINNING FROM THE DATE OF ACCEPTANCE OF THE CONSTRUCTION BY LMWD, CAMERON COUNTY AND THE OWNER.
19. CONTRACTOR SHALL "LAY DOWN" CURB SECTION AT DRIVEWAY LOCATIONS SHOWN ON DRAWINGS. CONTRACTOR SHALL BE REQUIRED TO GRADE FROM EXISTING DRIVES AND PARKING AREAS TO MATCH GRADES AND ALLOW SMOOTH TRANSITIONS AND PROPER DRAINAGE (.NO SEPARATE PAY)
20. CONTRACTOR SHALL PROVIDE FOR THE CENTERLINE STRIPPING OF _____________ IN ACCORDANCE WITH STANDARD PAVING AND STRIPPING REQUIREMENTS OF LMWD.
21. ADJUST ALL STRUCTURE RIME TO MATCH PAVEMENT ELEVATIONS.

STORM SEWER NOTES:

1. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND JUNCTION BOXES WITH CLASS A CONCRETE.
2. ALL MANHOLE LIDS SHALL BE 32" OR LARGER, UNLESS EXPRESSLY APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
3. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, ALL STORM SEWER RCP SHALL BE CLASS III. CORRUGATED METAL PIPE IS NOT PERMITTED.
5. ALL MANHOLE AND INLET COVERS SHALL READ "LMWD".
6. CONTRACTOR TO NOTIFY LMWD 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
7. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO LMWD STANDARD SPECIFICATIONS.
8. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.
9. CONTRACTOR TO INSTALL AND MAINTAIN GEO-TEXTILE FABRIC BARRIER (INLET PROTECTION) AROUND STORM SEWER LEADS AND INLETS TO PREVENT SILT AND OTHER MATERIAL FROM ENTERING THE STORM SEWER COLLECTION SYSTEM.
10. INSTALL CONCRETE SAFETY END TREATMENTS TO ALL CULVERTS AND ENDS OF DRAINAGE PIPE.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH LMWD AND FRANCHISED UTILITY COMPANIES TO MAINTAIN SERVICES AT ALL TIMES TO NEIGHBORING PROPERTIES. THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS INDICATING HOW THE WASTE FROM THE SITE HAS BEEN HANDLED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT. THE SITE, AFTER DEMOLITION SHALL BE GRADED TO ELIMINATE DEPRESSIONS, HOLES, BERMS, DIRT PILES, ETC. THE SITE IS TO BE GRADED UNTIL RELATIVELY SMOOTH AND ATTRACTIVE IN APPEARANCE PRIOR TO STABILIZATION OF EARTH. ANY FILL MATERIAL/FILL AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY AT A MOISTURE AT, OR ABOVE, OPTIMUM MOISTURE CONTENT IN MAXIMUM 8" LIFTS. CONTRACTOR SHALL PROVIDE PROOF IN THE FORM OF LAB TEST KITS THAT THIS HAS BEEN ACHIEVED.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT.
3. LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL CALL 811 AT LEAST 48 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE TESS PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR ANY DAMAGE DONE TO THESE FACILITIES.
4. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE THEY COMMENCE ANY WORK, IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGE DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS.
7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
8. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DEVICES FOR ANY STREET WORK.
9. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE DEVELOPER IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
10. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., ACCORDING TO STANDARD BEST PRACTICES.
11. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES AROUND THE SITE PERIMETER ARE TO BE INSTALLED.
12. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
13. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
14. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.
15. ANY RECYCLED MATERIAL TO BE STOCKPILED ON THE SITE SHALL BE STORED IN AS SMALL AN AREA AS PRACTICABLE AND THE LOCATION OF ANY STOCKPILE SHALL BE WELL CLEAR OF THE BUILDING PAD AREA AND THE LOCATION MUST BE PRE-APPROVED BY THE OWNER PRIOR TO STOCKPILING.
16. FILL MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECH REPORT.

CAUTION UNDERGROUND UTILITIES:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAME TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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CAUTION OVERHEAD UTILITIES

THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION WHEN WORKING UNDER "HIGH VOLTAGE TRANSMISSION LINES". A WORKING HEIGHT OF 30' FROM GROUND ELEVATION WILL BE OBSERVED WHEN WORKING UNER THE HIGH VOLTAGE LINE. COORDINATE ALL WORK WITH THE LOCAL UTILITY PROVIDER.

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STATE OF TEXAS
JOSE G. REYES, JR.
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P.E.

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BENCH MARK:
LOCATED ON THE NORTHWEST CORNER OF PROPERTY WITH A SQUARE CUT ON THE CONCRETE PAVEMENT WITH COORDINATE VALUES OF AS FOLLOWS: (NORTHING:16553079.8301, EASTING:1404668.3839)
ELEVATION: 16.90

REVISION NOTES:

NO.	Sheet	Revisions	Date	Approved

REV.	DATE	DESCRIPTION	BY

LAGUNA MADRE WATER DISTRICT
WAREHOUSE PARKING LOT RECONSTRUCTION

GENERAL NOTES

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F-592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C1.0 OF 6
DATE: MARCH 2024	PROJECT NO.: 22-125	

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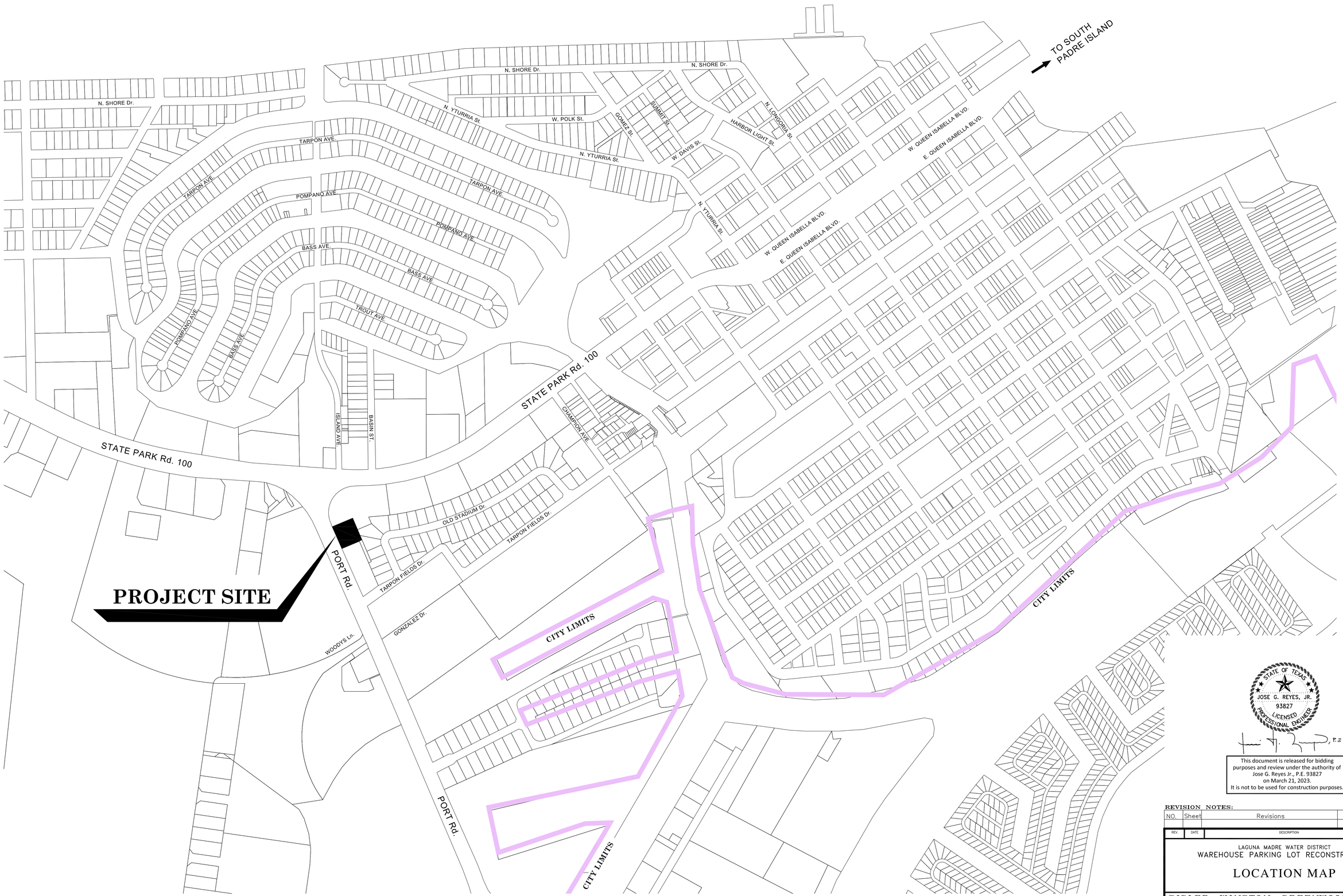

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LAGUNA MADRE WATER DISTRICT
WAREHOUSE PARKING LOT RECONSTRUCTION

LOCATION MAP

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F-592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C2.0
DATE: MARCH 2024	PROJECT NO.: 22-125	OF 6

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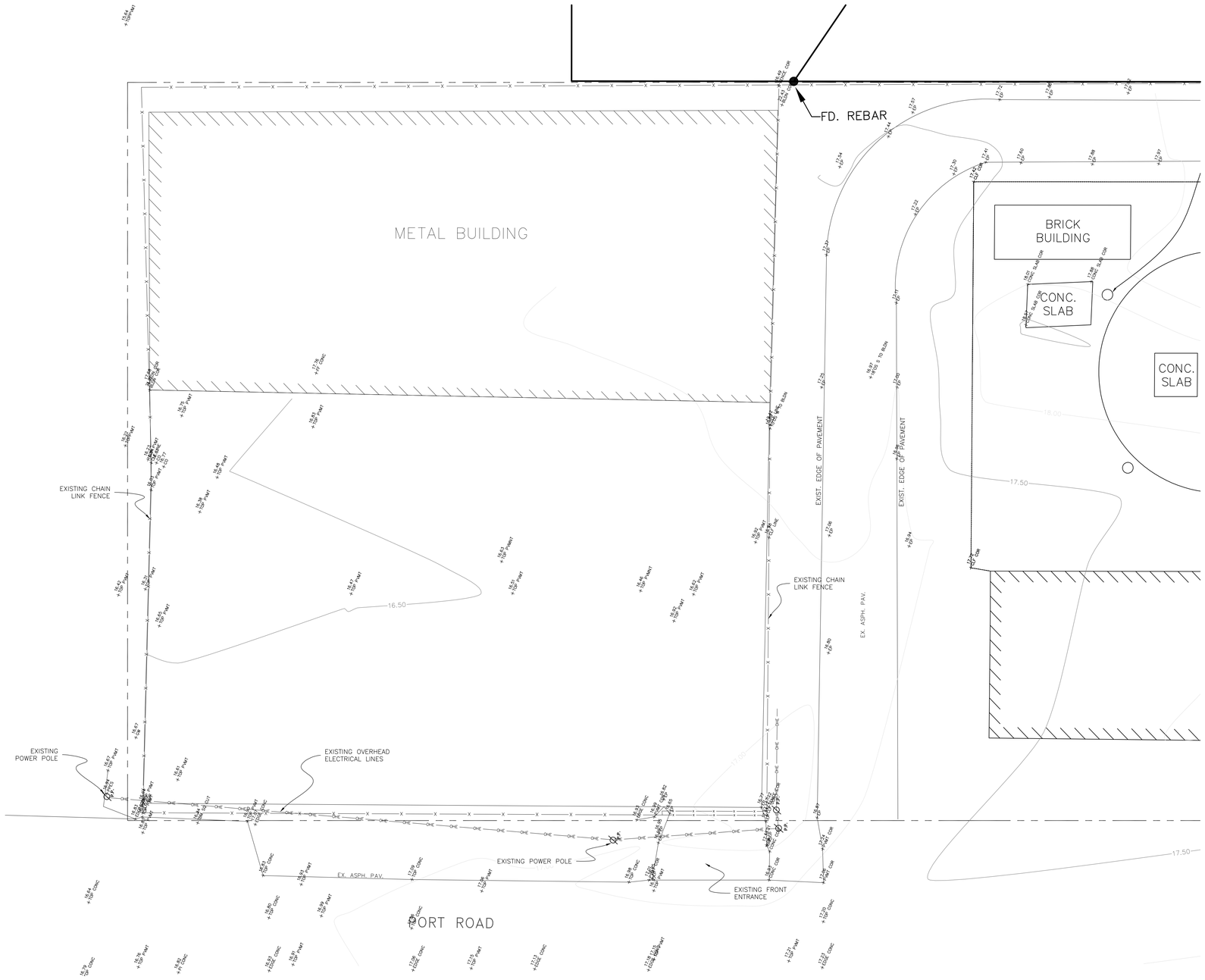

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WAREHOUSE PARKING LOT RECONSTRUCTION

EXISTING CONDITIONS

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F-592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C3.0
DATE: MARCH 2024	PROJECT NO.: 22-125	OF 6

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UTILITY NOTES:

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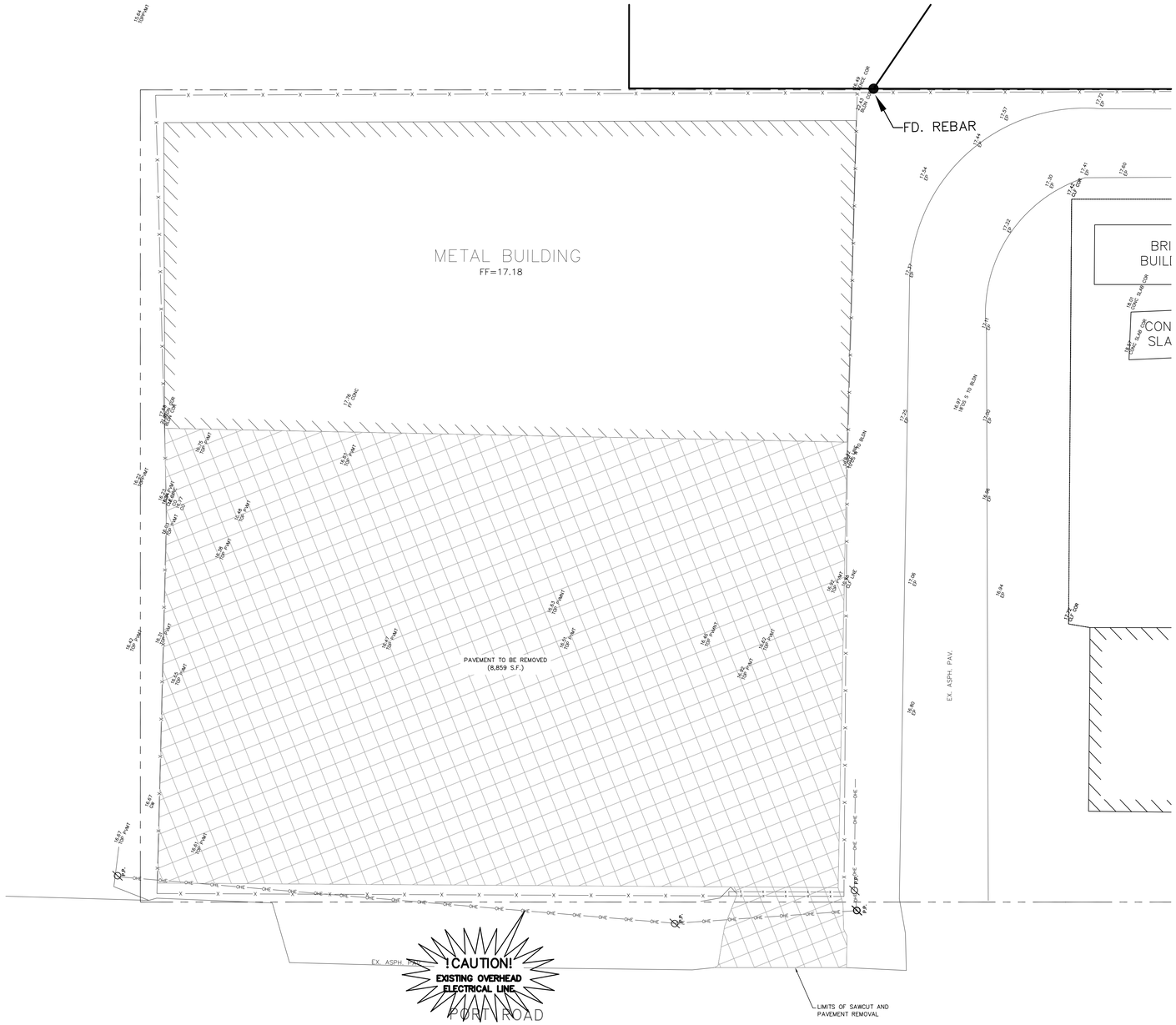

0 2.5 5 10 15 20

SCALE: 1"= 10'
BASIS OF BEARING AS PER THE TEXAS COORDINATE SYSTEM NAD 83 TEXAS STATE PLANE, SOUTH ZONE, US FOOT

LEGEND

PROPOSED	EXISTING		PROPOSED	EXISTING		PROPOSED	EXISTING	
		TYPE A INLET			SIGN			PROPERTY / ROW LINE
		TYPE A INLET W/EXT.			IRRIGATION VALVE			ORCHARDS
		POWER POLE			WATER METER			BRUSH LINE
		GATE VALVE & BOX		X	CHAIN LINK FENCE			CONTOURS
+100.00	+ 100.00	SPOT GRADE		SS	SAN. SEWER LINE			LIGHT POLE
		SAN. SEWER MANHOLE		W	WATER LINE			POWER POLE
		FIRE HYDRANT		SD	STORM LINE		X	CHAIN LINK FENCE
		STORM MANHOLE		OH	OVERHEAD POWER LINE			
				FO	FIBER OPTIC LINE			
S	S	DUAL SAN. SEWER SERVICE		G	GAS LINE			
W	W	DUAL WATER SERVICE			EDGE OF PAVEMENT			
S	S	SINGLE SAN. SEWER SERVICE			CENTERLINE PAVEMENT			
W	W	SINGLE WATER SERVICE			EASEMENT LINE			

GENERAL DEMOLITION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
2. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
3. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
5. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE TRAFFIC FLOW OR ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH THE ADJACENT PROPERTY OWNER(S), TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING DOT APPROVED TRAFFIC BARRICADES, BARRELS, FENCES AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMAN MAY BE ALSO NECESSARY.
6. CONTRACTOR SHALL BEGIN CONSTRUCTION ON ANY LIGHT POLES BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTIONS OF ANY LIGHT POLES SHALL NOT EXCEED 24 HOURS.
7. INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED (24) HOURS.

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ELEVATION: 16.90

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LAGUNA MADRE WATER DISTRICT
WAREHOUSE PARKING LOT RECONSTRUCTION

DEMOLITION PLAN

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F-592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C4.0
DATE: MARCH 2024	PROJECT NO.: 22-125	OF 6

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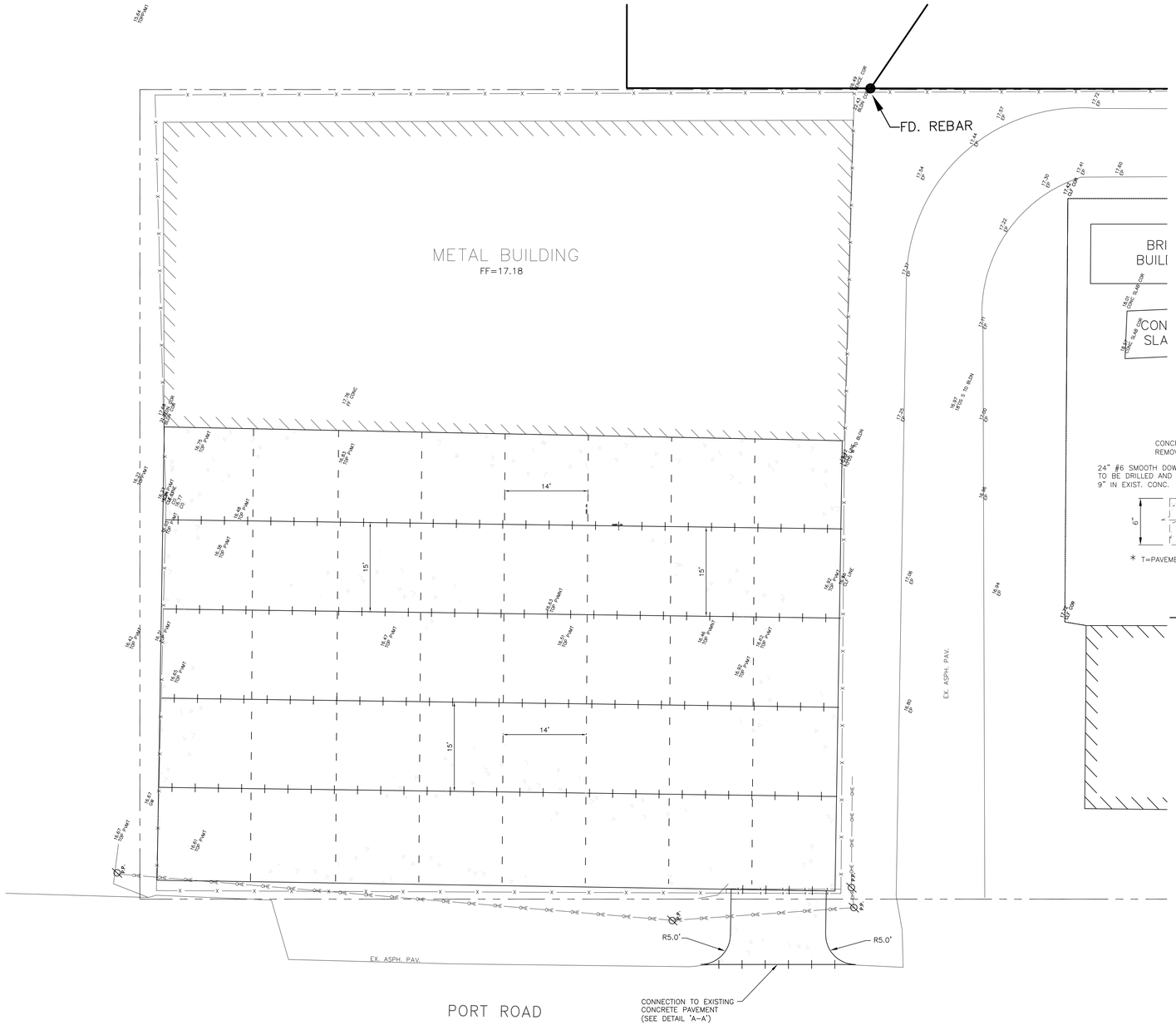
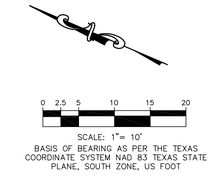




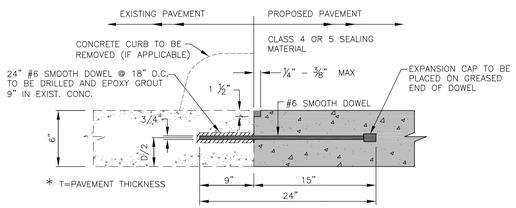
LEGEND

PROPOSED	EXISTING		PROPOSED	EXISTING		PROPOSED	EXISTING	
		TYPE A INLET			SIGN			PROPERTY / ROW LINE
		TYPE A INLET W/EXT.			IRRIGATION VALVE			ORCHARDS
		POWER POLE			WATER METER			BRUSH LINE
		GATE VALVE & BOX		X	CHAIN LINK FENCE			CONTOURS
+100.00	+ 100.00	SPOT GRADE		SS	SAN. SEWER LINE			LIGHT POLE
		SAN. SEWER MANHOLE		W	WATER LINE			
		FIRE HYDRANT		SD	STORM LINE			
		STORM MANHOLE		OH	OVERHEAD POWER LINE			
				FO	FIBER OPTIC LINE			
SS	SS	DUAL SAN. SEWER SERVICE		G	GAS LINE			
W W	W W	DUAL WATER SERVICE			EDGE OF PAVEMENT			
S	S	SINGLE SAN. SEWER SERVICE			CENTERLINE PAVEMENT			
W	W	SINGLE WATER SERVICE			EASEMENT LINE			

JOINT LEGEND

CONTRACTION JOINTS

CONSTRUCTION JOINTS

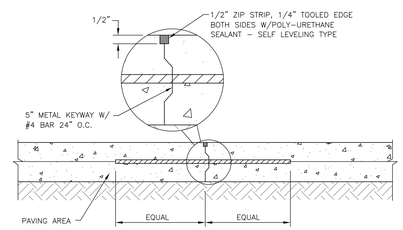


TYPICAL CONNECTION TO EXISTING CONCRETE DETAIL 'A-A'

N.T.S.

GENERAL SITE NOTES – JOINTS

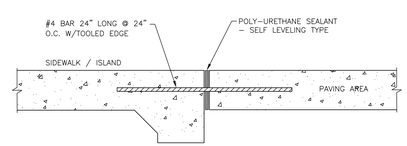
1. DOWELED JOINTS SHALL BE LOCATED ON 12" CENTERS, ALONG THE INSIDE OF THE MOST EXTERIOR SLABS. DOWELS SHALL BE SMOOTH TYPE AND INSERTED INTO GREENSTREAK SPEED DOWEL FORMS. THE DOWEL IS LOCATED AT MID–SLAB DEPTH AND HALF IN PLACE LEVEL AND PERPENDICULAR TO THE JOINT USING THE SPEED DOWEL, WHICH REMAINS WITH THE FORM. AFTER THE FORM ARE STRIPPED, THE DOWELS SHOULD BE CHECKED TO ASSURE FULL INSERTION AND ALIGNMENT IN THE INITIAL SLAB BEFORE POURING THE ADJACENT SLAB. DOWELS OCCURRING UNDER THE PARALLEL TO CONTROL JOINTS SHOULD BE DELETED.
2. CHAMFER CORNER WHEN MEETING ASPHALT PAVING ONLY (24" EACH SIDE). SQUARE CORNERS WHERE MEETING CONCRETE PAVING.



NOTE:
CONSTRUCTION JOINTS TO BE USED ON PIPE CHASES AND BETWEEN CONCRETE POURS ONLY.

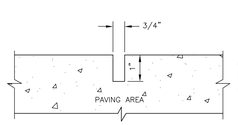
CONSTRUCTION JOINT

NTS



CONTROL JOINT AT BUILDING

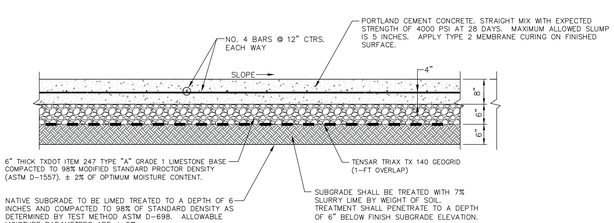
NTS



NOTE:
SAW CUT JOINTS BETWEEN 18 AND 30 HOURS AFTER CONCRETE POUR.

CONTROL JOINT

NTS



CONCRETE PAVEMENT DETAIL

NTS

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LAGUNA MADRE WATER DISTRICT
WAREHOUSE PARKING LOT RECONSTRUCTION

CONCRETE PAVEMENT JOINT PLAN

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F–592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C5.0 OF 6
DATE: MARCH 2024	PROJECT NO.: 22–125	

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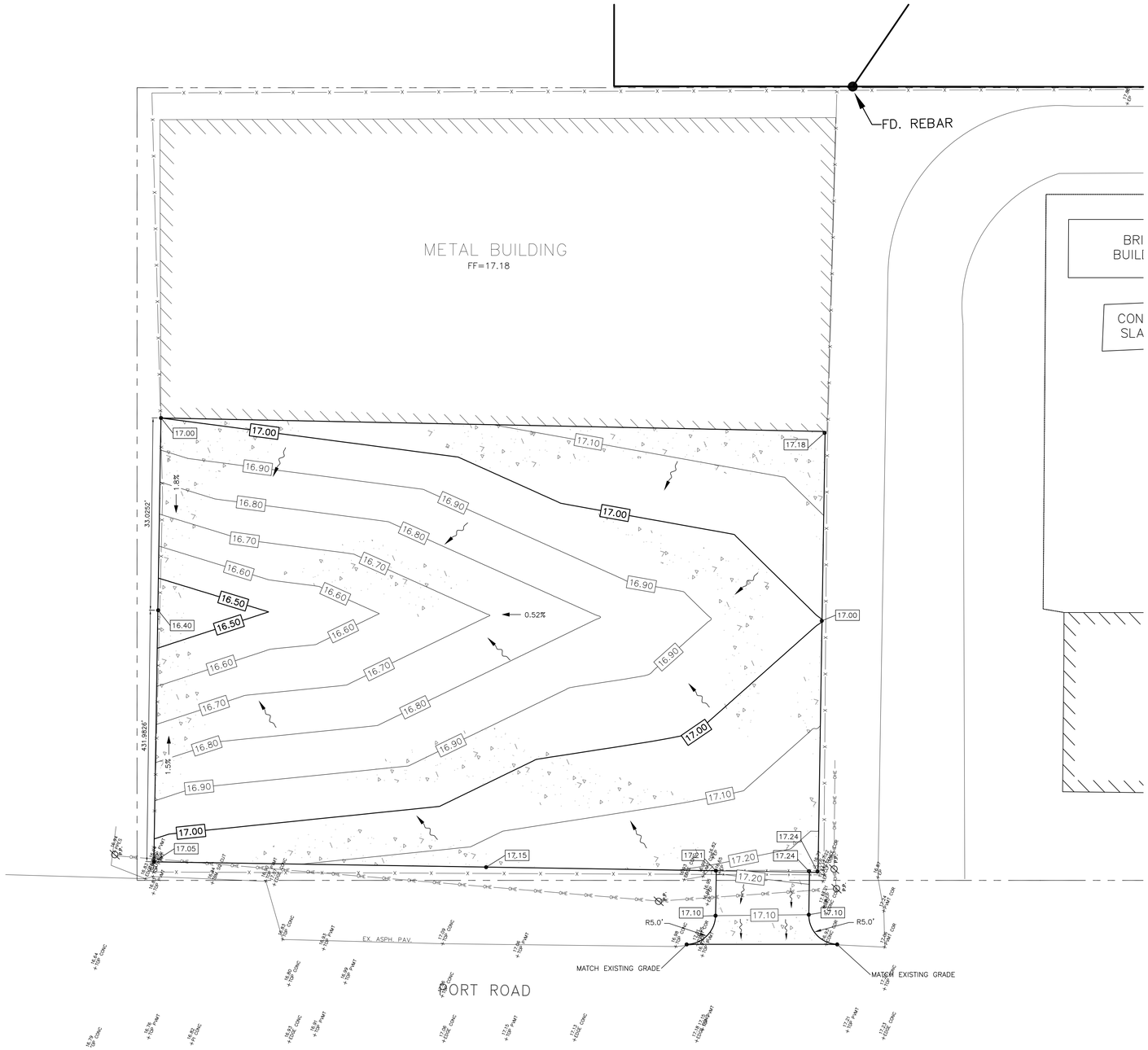

0 2.5 5 10 15 20

SCALE: 1"= 10'

BASIS OF BEARING AS PER THE TEXAS COORDINATE SYSTEM NAD 83 TEXAS STATE PLANE, SOUTH ZONE, US FOOT

LEGEND

PROPOSED	EXISTING		PROPOSED	EXISTING		PROPOSED	EXISTING	
		TYPE A INLET			SIGN			PROPERTY / ROW LINE
		TYPE A INLET W/EXT.			IRRIGATION VALVE			ORCHARDS
		POWER POLE			WATER METER			BRUSH LINE
		GATE VALVE & BOX		X	CHAIN LINK FENCE			CONTOURS
+100.00	+ 100.00	SPOT GRADE		SS	SAN. SEWER LINE			LIGHT POLE
		SAN. SEWER MANHOLE		W	WATER LINE			
		FIRE HYDRANT		SD	STORM LINE			
		STORM MANHOLE		OH	OVERHEAD POWER LINE			
				FO	FIBER OPTIC LINE			
SS	SS	DUAL SAN. SEWER SERVICE		G	GAS LINE			
W W	W W	DUAL WATER SERVICE			EDGE OF PAVEMENT			
S	S	SINGLE SAN. SEWER SERVICE			CENTERLINE PAVEMENT			
W	W	SINGLE WATER SERVICE			EASEMENT LINE			

STATE OF TEXAS
JOSE G. REYES, JR.
93827
LICENSED
PROFESSIONAL ENGINEER

This document is released for bidding purposes and review under the authority of Jose G. Reyes Jr., P.E. 93827 on March 21, 2023.
It is not to be used for construction purposes.

NOT FOR CONSTRUCTION

REVISION NOTES:

NO.	Sheet	Revisions	Date	Approved

REV.	DATE	DESCRIPTION	BY

LAGUNA MADRE WATER DISTRICT
WAREHOUSE PARKING LOT RECONSTRUCTION

CONCRETE PAVEMENT GRADING PLAN

SIGLER, WINSTON, GREENWOOD AND ASSOCIATES
SWG ENGINEERING, LLC
TEXAS FIRM REGISTRATION NO. F-592
WESLACO, TEXAS

DRAWN: R.G.	CHECKED: J.R.	DRAWING NO. C6.0
DATE: MARCH 2024	PROJECT NO.: 22-125	OF 6

Texas 811
Know what's below. Call before you dig.

UTILITY NOTES:

EXISTING ABOVE GROUND UTILITIES AND TOPOGRAPHY HAVE BEEN PLOTTED BY DIRECT FIELD INFORMATION. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM VARIOUS SOURCES AND LOCATORS. CONTRACTOR WILL BE REQUIRED TO ESTABLISH THEIR EXACT LOCATION, DEPTH, AND SIZE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE REPLACEMENT OR REPAIR OF ALL CUT OR BROKEN WATER LINES, IRRIGATION LINES, FORCE MAINS, SPRINKLER SYSTEMS, GAS LINE, ELECTRICAL LINES, CABLES, ETC.

NOTICE:
ANY CHANGES TO OR USES OF THESE DOCUMENTS / DRAWINGS WITHOUT THE WRITTEN CONSENT OF JOSE REYES, PE ARE STRICTLY PROHIBITED.

BENCH MARK:

LOCATED ON THE NORTHWEST CORNER OF PROPERTY WITH A SQUARE CUT ON THE CONCRETE PAVEMENT WITH COORDINATE VALUES OF AS FOLLOWS: (NORTHING:16553079.8301, EASTING:1404668.3839)
ELEVATION: 16.90

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