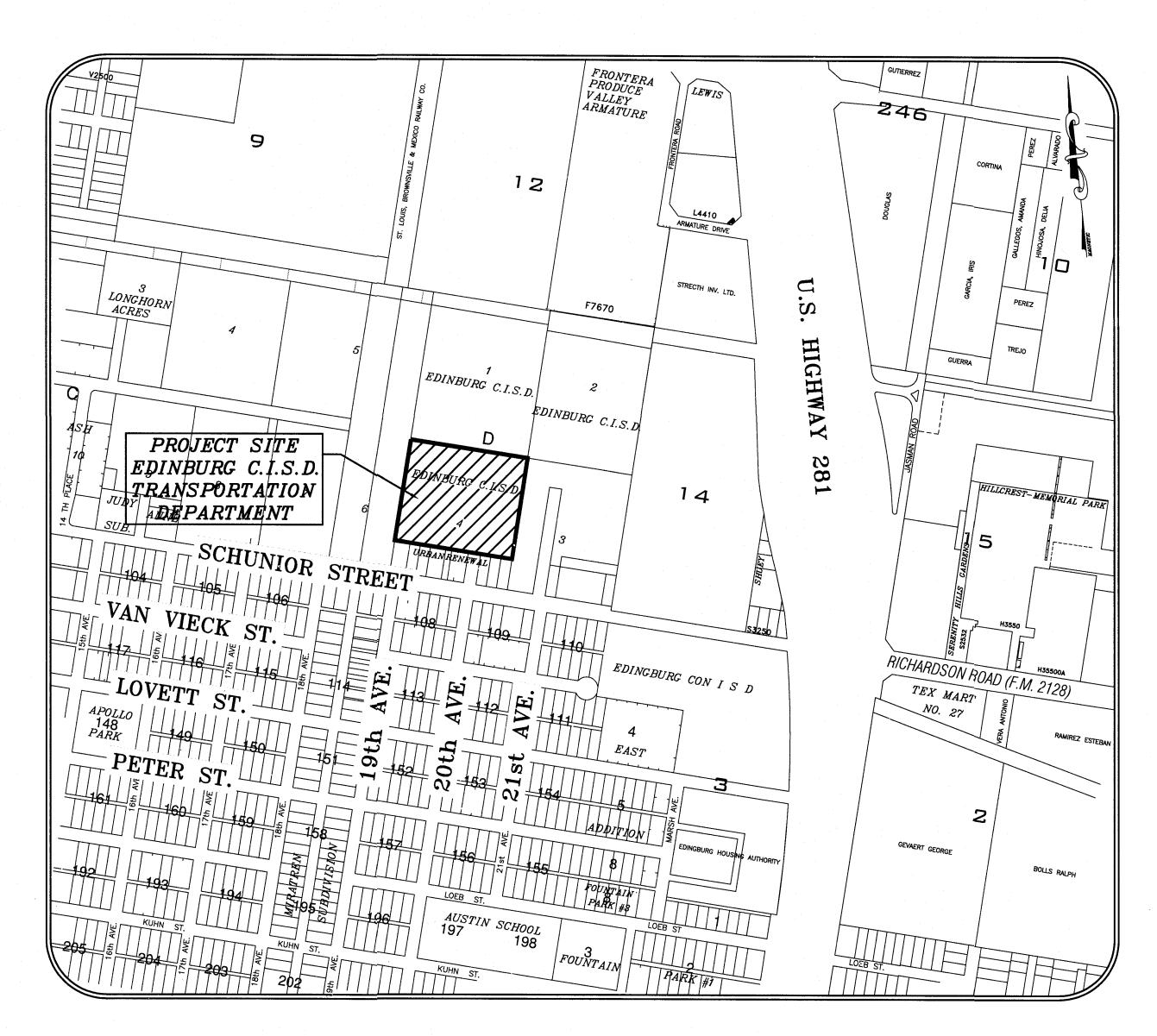
EDINBURG C.I.S.D.

OPERATIONS / TRANSPORTATION DEPARTMENT UNDERGROUND STORAGE TANKS REMOVAL



INDEX OF SHEETS

SHEET#

DESCRIPTION

1 - GENERAL NOTES

2 - EXISTING UTILITY AND TOPOGRAPHIC LAYOUT

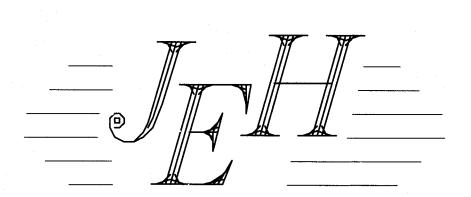
3 - SUGGESTED EROSION CONTROL PLAN

3 - PROPOSED UTILITY LAYOUT

EDINBURG C.I.S.D. BOARD OF TRUSTEES

MR. OSCAR SALINAS	PRESIDENT
MRS. CARMEN GONZALEZ	VICE PRESIDENT
MR. ROBERT PENA, JR	SECRETARY
MR. MIGUEL "MIKE" FARIAS	TRUSTEE
MS. LETICIA "LETTY" GARCIA	TRUSTEE
MR. XAVIER SALINAS	TRUSTEE
MS. DOMINGA "MINGA" VELA	TRUSTEE
MR. GILBERTO GARZA, JR	SUPERINTENDENT

LOCATION MAP SCALE: N.T.S.



JAVIER HINOJOSA ENGINEERING

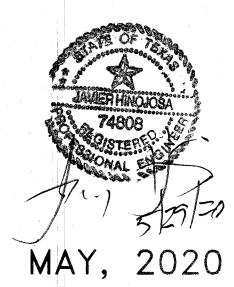
CONSULTING ENGINEERS

416 E. DOVE AVENUE McALLEN, TEXAS 78504

PHONE (956) 668-1588

javhin@rgv.rr.com

TBPE FIRM No. F-1295



SCOPE OF WORK:

- 1. THIS PROJECT CONSISTS OF REMOVAL OF TWO STEEL UNDERGROUND STORAGE TANKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF THE TANKS AT AN APPROVED SITE. ALL WORK NECESSARY FOR BACKFILLING THE EXCAVATION SHALL BE PERFORMED IN LIFTS OF 12 INCHES COMPACTED TO 95% DENSITY. ALL BACKFILL MATERIAL SHALL HAVE A PLASTICITY INDEX OF NO GREATER THAN 17.
- 2. PRIOR TO REMOVAL OF THE UNDERGROUND STORAGE TANKS, THE CONTRACTOR IS TO NOTIFY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) 30 DAYS PRIOR TO REMOVAL AND MUST SUBMIT FORM TCEQ-00495.
- 3. CONTRACTOR SHALL CONTACT THE EDINBURG CISD AND THE CITY OF EDINBURG FIRE MARSHALL 48 HOURS PRIOR TO START OF CONSTRUCTION IN ORDER TO COORDINATE INSPECTION OF THE WORK...
- 4. THE CONTRACTOR TO NOTIFY TCEQ REGIONAL OFFICE 72 HOURS PRIOR TO START OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL EMPTY UNDERGROUND STORAGE TANKS OF ALL REGULATED SUBSTANCE AND ACCUMULATED SLUDGE, AND PURGE VAPORS.
- 6. THE CONTRACTOR SHALL COLLECT SAMPLES AND ASSESS SITE TO DETERMINE IF ANY SUBSTANCE WAS RELEASED (SUBMIT FORM TCEQ-00621).
- 7. THE CONTRACTOR SHALL EMPTY, DISCONNECT, PLUG, CAP, AND REMOVE TANK PIPING AND ANCILLARY EQUIPMENT. CONTRACTOR TO REMOVE ALL ITEMS FROM SITE AND DISPOSE.
- 8. THE CONTRACTOR SHALL REMOVE UNDERGROUND STORAGE TANKS FROM THE SITE WITHIN 24 HOURS OF EXCAVATION.
- 9. THE CONTRACTOR SHALL MARK ON THE TANK "FLAMMABLE UNUSABLE FOR STORAGE OF MATERIALS FOR HUMAN CONSUMPTION" AND LIST ITS PRIOR CONTENTS IN LETTERING AT LEAST 2 INCHES HIGH.
- 10. THE CONTRACTOR SHALL UPDATE UNDERGROUND STORAGE TANKS REGISTRATION FORM WITH TCEQ (SUBMIT FORM TCEQ-00724).
- 11. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL REMOVAL PROCEDURES AND SUBMIT TO THE E.C.I.S.D. WHEN COMPLETE.
- 12. THE CONTRACTOR SHOULD HAVE AT LEAST 5 YEARS EXPERIENCE IN UNDERGROUND STORAGE TANK REMOVAL.
- 13. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND MUST PROVIDE A QUALIFICATION STATEMENT WITH THEIR BID INDICATING PRIOR SIMILAR WORK.

GENERAL NOTES:

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UNDERGROUND UTILITIES. WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS. SUFFICIENTLY IN ADVANCE OF OPERATIONS TO PRECLUDE DAMAGE TO SAME.
- 2. CONTRACTOR TO SAW CUT EXISTING ASPHALT PAVEMENT ALONG EDGES OF PROPOSED AGENCY SERVICING THE FACILITY.
- 3. IN THE EVENT OF DAMAGE TO UNDERGROUND FACILITIES, WHETHER SHOWN OR NOT SHOWN IN THE DRAWINGS, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO PLACE THE FACILITIES BACK IN SERVICE AT NO INCREASE IN THE CONTRACTOR'S PRICE AND ALL SUCH REPAIRS SHALL CONFORM TO THE REQUIREMENTS OF THE COMPANY.
- 4. THE CONTRACTOR SHALL EXERCISE EXTRA CARE TO PREVENT DAMAGE TO ALL OTHER STRUCTURES IN THE AREA INCLUDING BUILDINGS, FENCES, ROADS, PIPELINES, UTILITIES, ETC., WHETHER PUBLICLY OR PRIVATELY OWNED.
- 5. UNTIL ACCEPTANCE BY THE ENGINEER OF ANY PART OR ALL OF THE CONSTRUCTION, AS PROVIDED FOR IN THE PLANS AND THESE SPECIFICATIONS, IT SHALL BE UNDER THE CHARGE AND CARE OF THE CONTRACTOR, AND HE SHALL TAKE EVERY NECESSARY PRECAUTION AGAINST INJURY OR DAMAGE TO ANY PART OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD, AT HIS OWN EXPENSE, ALL INJURIES OR DAMAGE TO ANY PORTION OF THE WORK BEFORE ITS COMPLETION AND ACCEPTANCE.
- 6. ALL EXISTING UTILITIES SHOWN WITHIN THE SITE AREA AS PER CITY OF EDINBURG THE LOCATIONS OF THE UNDERGROUND LINES ARE APPROXIMATE. THE SPOTTING OF THESE LINES SHALL BE COORDINATED WITH THE DISTRICT'S MAINTENANCE AND OPERATIONS DEPARTMENT FOR FIELD VERIFICATION.
- 7. CONTRACTOR TO COORDINATE ALL WORK WITH EDINBURG C.I.S.D. FACILITIES DEPARTMENT (289-2578) PRIOR TO START OF CONSTRUCTION.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THIS PROJECT FROM THE CITY OF EDINBURG, EDINBURG C.I.S.D., TCEQ AND OTHERS AS REQUIRED.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AT NO ADDITIONAL COST TO THE OWNER ALL COSTS ASSOCIATED WITH ANY PROTECTION MEASURES THAT WILL BE REQUIRED BY THE CONSTRUCTION/DEMOLITION ACTIVITIES TO SAFEGUARD THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC.
- 10. CONTRACTOR TO PROVIDE PROPER TRAFFIC CONTROL DURING THE CONSTRUCTION APPROVED BY THE EDINBURG C.I.S.D. AND ENGINEERING TO INSURE THE SAFETY OF THE PUBLIC.
- 11. CONTRACTOR TO PROVIDE ANY AND ALL TEMPORARY GRAPHIC CONSTRUCTION SIGNS, DIRECTIONAL SIGNS AND ANY OTHER SIGNS THAT MAY BE REQUIRED DURING CONSTRUCTION.
- 12. ALL EXISTING PAVEMENT THAT IS DAMAGED TO BE REPLACED WITH 12" FLEX AND 3" H.M.A.C.. ALL EDGES TO BE SAW CUT.
- 13. PROPER SEDIMENT CONTROL DEVISES SHALL BE UTILIZED DURING CONSTRUCTION ON ALL DRAINAGE STRUCTURES. ALL GRATE INLETS SHALL HAVE FILTER FABRIC INLET PROTECTION TO PREVENT SOIL EROSION INTO THE DRAINAGE SYSTEM.
- 14. CONTRACTOR TO PROVIDE ANY AND ALL TEMPORARY GRAPHIC COSNTRUCTION SIGNS DIRECTIONAL SIGNS AND ANY OTHER SIGNS THAT MAY BE REQUIRED DURING CONSTRUCTION.
- 15. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF EDINBURG C.I.S.D. OPERATIONS AND TRANSPORTATION DEPARTMENT AND JAVIER HINOJOSA ENGINEERING.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL DIG TEST 48 HOURS PRIOR TO COMMENCEMENT OF WORK FOR UTILITY SPOTTING @ (1-800-DIG-TEST).
- 17. LOCATIONS OF UNDERGROUND FACILITIES ARE FROM BEST INFORMATION AVAILABLE. NEITHER THE OWNER OR ENGINEER, WARRANT THE ACCURACY OF THE INFORMATION PROVIDED. ANY DEVIATIONS SHALL BE CALLED TO THE ENGINEER'S ATTENTION IMMEDIATELY.
- 18. THE CONTRACTOR SHALL REMOVE ALL FENCES LOCATED WITHIN THE EASEMENTS AND RIGHT OF WAY, INTERFERING WITH CONSTRUCTION OPERATION AND PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. REMOVED FENCES SHALL BE REPLACED WITH A NEW FENCE OR UNDAMAGED ORIGINAL FENCING. REMOVAL AND REPLACEMENT OF EXISTING AND TEMPORARY FENCES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
- 19. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE TRANSPORTATION FACILITY ALL TIMES.

GENERAL NOTES (CONT):

- 20. ANY DAMAGES TO FENCES, WALKS, OR PRIVATE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE EXPENSE.
- 21, NO OPEN EXCAVATION SHALL BE LEFT OPEN OVERNIGHT. ALL EXCAVATIONS WHICH CANNOT BE BACKFILLED OVERNIGHT SHALL BE PROTECTED BY BARRICADE FENCING OR AS APPROVED BY THE ENGINEER.
- 22. THE PREPARATION OF THESE PLANS REFLECTS INFORMATION, PROVIDED BY OTHERS, ON THE APPROXIMATE LOCATION AND EXISTENCE OF EXISTING UTILITY AND ADJACENT PHYSICAL FEATURES. HOWEVER, THEY DO NOT IMPLY OR AFFIRM THAT ALL UTILITIES OR PHYSICAL FEATURES ARE SHOWN. GENERALLY, UTILITY SERVICE CONNECTIONS ARE NOT INDICATED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR NOTIFICATIONS OF THE OWNER IMMEDIATELY UPON ENCOUNTERING UNFORESEEN CONFLICTS.
- 23. THE APPROXIMATE LOCATIONS OF KNOWN EXISTING UTILITIES ARE SHOWN, CONTRACTOR SHALL DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATIONS IN THE FIELD PRIOR TO COMMENCING WORK. CONTRACTOR TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
- 24. PUBLIC AND PRIVATE UTILITY LINES AND CUSTOMER SERVICE LINES MAY EXIST THAT ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, MAINTAIN AND PROTECT THE INTEGRITY OF THESE LINES. HAND EXCAVATION MAY BE REQUIRED. THE CONTRACTOR SHALL RESTORE RELOCATED OR DIVERTED UTILITY TO ITS ORIGINAL CONDITION AND LOCATION WHEN APPLICABLE UPON COMPLETION OF CONSTRUCTION. SAID RESTORATION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
- 25. THE CONTRACTOR TO MAINTAIN ALL EQUIPMENT AND TRANSPORTATION OF SAID EQUIPMENT WITHIN THE EXISTING RIGHTS-OF-WAY OF THE CITY, COUNTY, OR STATE.
- 26. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF PROPOSED FACILITIES AT ALL TIMES DURING CONSTRUCTION. DEWATERING OF THE PIT MAY BE REQUIRED AND CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL
- 27. THE CONTRACTOR SHALL CLEANUP AND RESTORE THE AREA OF OPERATIONS TO A CONDITION AS GOOD AS OR BETTER THAN THAT WHICH EXISTED PRIOR TO INSTALLATION OF ALL ITEMS TO BE CONSTRUCTED
- 28. ALL DEBRIS, VEGETATION AND SURPLUS MATERIAL, RESULTING FROM THIS PROJECT SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY UNDER FEDERAL AND STATE LAWS. THE CONTRACTOR SHALL PROVIDE A LETTER STATING SO. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM UNLESS STATED.
- 29. THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION AND SUBMITTAL OF THE TRENCH EXCAVATION PROTECTION PLAN. CONTRACTOR SHALL SUBMIT CONSTRUCTION DETAILS AND DESIGN CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS BEFORE CONSTRUCTING THE SHORING AND/OR UTILIZING A TRENCH PROTECTION SYSTEM (BOX). THE ENGINEER RESERVES THE RIGHT TO REJECT DESIGNS NOT MEETING THE REQUIREMENTS OF SECTION ITEM 402 AND 403.
- 30. THE CONTRACTOR SHALL BE RESPONSIBLE TO FOLLOW ALL T.C.E.Q. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENTS AS PER SWP3 SHEETS AND AS STATED IN TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM CONSTRUCTION GENERAL PERMIT (TPDES TXR150000, EFFECTIVE DATE MAY 5, 2019), INCLUDING N.O.I. SUBMITTAL AND MS4 NOTIFICATION.
- 31. THE CONTRACTOR SHALL ABANDON AND CAP ANY PORTION OF PIPE LINE (STORM, IRRIGATION, ETC.) FOUND WITHIN THE PROPOSED PIPE TRENCH, AT THE ENGINEERS REQUEST. ONCE APPROVED BY THE ENGINEER, THE PIPE TO BE ABANDONED SHALL BE CAPPED AND SEALED WITH CEMENT AT BOTH ENDS OF THE TRENCH. THIS SHALL BE CONSIDERED SUBSIDIARY UNLESS OTHERWISE STATED.
- 32. THE ENGINEER WILL PROVIDE CONTROL POINTS (BENCHMARK AND PROPERTY CORNERS) FOR THE WORK TO BE PERFORMED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING, INCLUDING BUT NOT LIMITED TO HORIZONTAL & VERTICAL GRADE CUTS FOR CURB & GUTTER, ROADWAY, STORM DRAIN PIPE, ROADSIDE DITCHES, DRIVEWAY CULVERTS AND DITCH WORK.
- 33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT/RELOCATION OF ALL REGULATORY SIGNS REMOVED DUE TO CONSTRUCTION OPERATIONS WITH THE SAME SIGN ON FIXED SUPPORT(S) IMMEDIATELY UPON ITS REMOVAL. APPROVAL BY THE ENGINEER IS NECESSARY BEFORE REMOVING ANY REGULATORY ROADWAY SIGN(S). FLAGGERS ARE REQUIRED TO BE AVAILABLE TO DIRECT TRAFFIC DURING SIGN INTERMEDIATE DOWN TIME. RELOCATION OF ANY DIRECTIONAL SIGN ASSEMBLIES REMOVED DURING CONSTRUCTION OPERATIONS IMMEDIATELY UPON THEIR REMOVAL IS REQUIRED. THESE SIGNS SHALL BE RELOCATED TO A LOCATION IN ACCORDANCE WITH THE LATEST VERSION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". IN NO CASE WILL A SIGN BE REMOVED WITHOUT A REPLACEMENT SIGN AND SUPPORT(S) BEING READILY AVAILABLE AND A LOCATION ESTABLISHED. REMOVAL AND RELOCATION OF THESE SIGNS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED ON THE PROPOSAL.
- 34. ALL CONSTRUCTION OPERATIONS SHALL BE CONDUCTED TO PROVIDE THE LEAST POSSIBLE INTERFERENCE TO TRAFFIC AS PROVIDED FOR IN THE SPECIFICATIONS, TXDOT STANDARDS, TEXAS M.U.T.C.D. AND/OR AS DIRECTED. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 35. THE CONTRACTOR MUST SUBMIT PROPER DOCUMENTATION SUPPORTING THE LEGAL CLOSURE OF THE TANKS, PRIOR TO
- 36. THE CONTRACTOR SHALL PROVIDE OWNER WITH PROOF OF THE CONTRACTOR'S CERTIFICATION TO PERFORM THIS TYPE OF WORK.
- 37. WARNING! ALL GASOLINE LINES, DIESEL, WASTE OIL AND CONTAMINATED SOILS ARE CONSIDERED HAZARDOUS MATERIALS, AND AS SUCH, THEY MUST BE HANDLED AND DISPOSED OF UNDER CURRENT FEDERAL AND STATE LAWS.
- 38. ARRANGE WITH THE OWNER'S REPRESENTATIVE THE REMOVAL OF ALL PRODUCTS REMAINING IN THE STORAGE TANKS. THE CONTRACTOR SHALL VERIFY THAT ALL PRODUCTS HAVE BEEN REMOVED FROM THE TANKS IN ADDITION TO ANY UNDERGROUND LINES.
- 39. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ANY CATHODIC PROTECTION SYSTEM THAT MAY BE CONNECTED TO THE EXISTING TANKS. DISCONNECT AT THE POWER PANEL ALL ELECTRICAL CIRCUITS RELATED TO THIS WORK AND LOCK BREAKERS IN THE OFF POSITION.
- 40. THE CONTRACTOR SHALL SAWCUT ALL ASPHALT AND CONCRETE SLAB AND TRENCHING AREAS THAT ARE TO BE EXCAVATED.
- 41. THE CONTRACTOR SHALL EXCAVATE TANK HOLE TO NECESSARY SIZE, DISCONNECT ALL PIPING, FITTINGS AND ELECTRICAL AND RETRIEVE TANKS TO THE SURFACE. IF CURRENT ORDINANCES AND REGULATIONS FOR TANK CLOSURE REQUIRE THE ENGAGEMENT OF GEOLOGISTS, BORING AND TESTING OF SOIL SAMPLES, THE COSTS OF THE REQUIREMENTS SHALL BE CONSIDERED SUBSIDIARY TO THE OVERALL COST OF THE PROJECT.
- 42. IF CONTAMINATED SOILS ARE ENCOUNTERED, THE OWNERS REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY. THE COST OF ADDITIONAL EXCAVATION, HANDLING, TRANSPORTATION AND DISPOSAL OF CONTAMINATED SOILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED SUBSIDIARY TO THE OVERALL COST OF THIS PROJECT.
- 43. THE CONTRACTOR SHALL SUPPLY OWNER WITH TANK DISPOSAL MANIFEST.
- 44. THE EXCAVATION FOR TANKS TO BE REMOVED SHALL BE IN COMPLIANCE WITH OSHA REQUIREMENTS.
- 45. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL SAMPLING REQUIRED BY TCEQ FOR THIS SITE.

EROSION CONTROL NOTES

- 1.) THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIRE EROSION AND SEDIMENTATION CONTROL FOR CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED EROSION AND SEDIMENTATION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN.
- 2.) AT A MINIMUM THESE CONTROLS SHALL CONSIST OF ROCK BERMS AND OR SILT FENCES CONSTRUCTED PARALLEL TO AND DOWN GRADIENT FROM THE TRENCHES. THE ROCK BERM OR SILT FENCES SHALL BE INSTALLED IN A MANNER SUCH THAT ANY RAINFALL RUNOFF SHALL BE FILTERED. HAY BALES SHALL NOT BE USED FOR TEMPORARY EROSION AND SEDIMENTATION CONTROLS.
- 3.) ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
- 4.) THE CONTRACTOR SHALL INSPECT THE CONTROLS AT WEEKLY INTERVAL'S AND AFTER EVERY SIGNIFICANT RAINFALL TO INSURE DISTURBANCE TO THE STRUCTURES HAS NOT OCCURRED. SEDIMENT DEPOSITED AFTER A RAINFALL SHALL BE REMOVED FROM THE SITE OR PLACED IN AN APPROVED DESIGNATED SOIL DISPOSAL AREA.
- 5.) EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADINGS OF DOWNSTREAM FACILITIES. SUCH INSTALLATIONS SHALL BE REGULARLY INSPECTED BY THE CONTRACTOR FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE OWNER, THEY ARE WARRANTED.
- 6.) ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED BEFORE CONSTRUCTION COMMENCES, SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL BE REMOVED WHEN VEGETATION IS ESTABLISHED AND THE CONSTRUCTION AREA IS STABILIZED. ADDITIONAL PROTECTION MAY BE NECESSARY IF EXCESSIVE SOLIDS ARE BEING DISCHARGED FROM THE SITE.
- 7.) ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS SHALL BE REMOVED BY THE CONTRACTOR AT FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER.
- 8.) ALL STAGING, MATERIAL STORAGE, STOCKPILE AND REFUSE AREAS SHALL REQUIRE APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES.
- 9.) ALL CONSTRUCTION DEBRIS SHALL BE CONTAINED WITHIN APPROPRIATE RECEPTACLES (ROLL-OFF CONTAINERS, DUMPSTERS, TRASH CANS, WIRE-MESH CAGES, Etc.) AND CONFINED WITHIN PERIMETER EROSION AND SEDIMENT CONTROLS.
- 10.) THE CONTRACTOR MAY REFER TO THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES (2004) EDITION) ITEM 164, "SEEDING FOR EROSION CONTROL" AND ITEM 168, "VEGETATIVE WATERING" FOR VEGETATIVE STABILIZATION SPECIFICATIONS.
- 11.) DUST CONTROL SHALL BE IMPLEMENTED AS NECESSARY OR AS DIRECTED BY THE ENGINEER. DUST CONTROL MAY CONSIST OF WATERING OR OTHER METHODS APPROVED BY THE PROJECT ENGINEER.
- 12.) ALL DISCHARGES ASSOCIATED WITH DEWATERING OPERATIONS SHALL IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES. MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO SEDIMENTATION BASINS OR FILTER SOCKS.
- 13.) CONCRETE WASH-WATER SHALL NOT BE DISCHARGED DIRECTLY INTO A STORM SEWER SYSTEM OR RECEIVING STREAM. ALL WASH ACTIVITIES MUST BE PERFORMED WITHIN THE EXTENTS OF ESTABLISHED EROSION AND SEDIMENT CONTROL MEASURES OR DESIGNATED AREAS APPROVED BY PROJECT ENGINEER.
- 14.) SEDIMENT SHALL BE CLEARED FROM ALL STORM SEWER PIPES, CULVERTS AND APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO FINAL PROJECT ACCEPTANCE, SEDIMENT SHALL BE PROPERLY DISPOSED.

TRENCH SAFETY

- 1.) IN ACCORDANCE WITH HOUSE BILLS 662 AND 665 ENACTED BY THE TEXAS LEGISLATURE (70TH REGULAR LEGISLATIVE SESSION), THE CONTRACTOR SHALL MEET THE REQUIREMENTS FOR TRENCH SAFETY AS OUTLINED IN THE CURRENT VERSION OF THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS, 29 CFR. PART 1926. SUBPART P- EXCAVATIONS.
- 2.) PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN. ALL PLANS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS. THE PLAN SHALL BE SUBMITTED TO THE PROJECT ENGINEER.
- 3.) IN THE EVENT CONDITIONS ENCOUNTERED IN THE FIELD REQUIRE TRENCH SAFETY SYSTEMS OUTSIDE OF THE EXTENTS SUGGESTED TRENCH PROTECTION SHOWN ON THE CONSTRUCTION PLANS, ALL EXCAVATION SHALL CEASE AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A REVISED TRENCH SAFETY PLAN. NO EXCAVATION SHALL RESUME UNTIL THE REVISED TRENCH SAFETY PLAN HAS BEEN APPROVED.
- 4.) THE CONTRACTOR SHALL ENSURE APPROVED TRENCH SAFETY PLANS ARE IMPLEMENTED. FAILURE TO ADHERE TO THE TRENCH SAFETY PLAN WILL RESULT IN A STOP WORK ORDER, NONCOMPLIANCE INCIDENTS MAY BE REPORTED TO OSHA.

REVISIONS PROJECT No. HERNANDE: DRAWN BY



JAVIER HINOJOSA ENGINEERING CONSULTING ENGINEERS

> 416 E. DOVE AVENUE McALLEN, TEXAS 78504 PHONE (956) 668-1588 javhin@rgv.rr.com TBPE FIRM No. F-1295

GENERAL NOTES

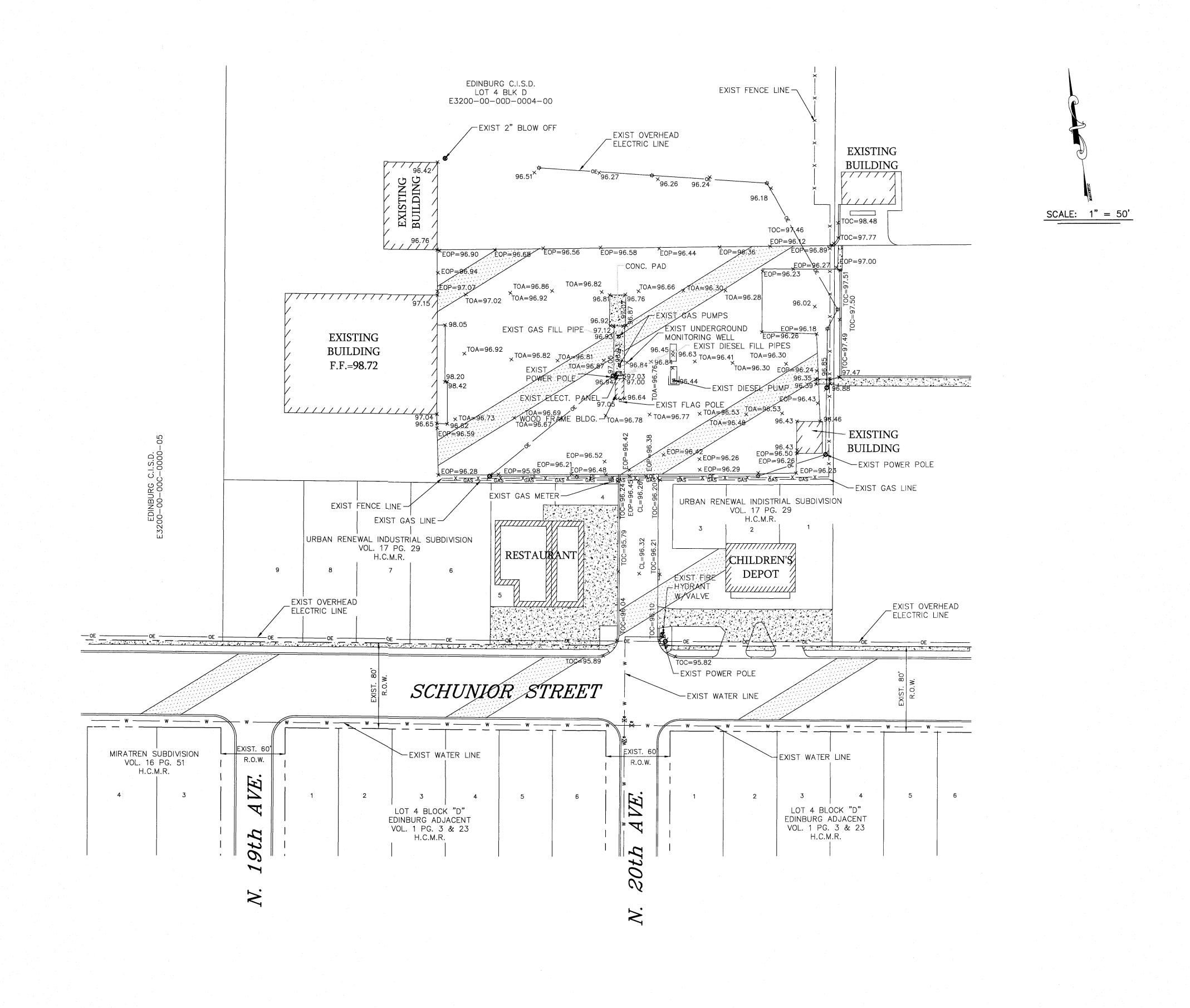
EDINBURG C.I.S.D. OPERATIONS / TRANSPORTATION DEPARTMENT UNDERGROUND STORAGE TANKS REMOVAL

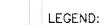
EDINBURG, TEXAS

SHEET

SHEETS

4 29 20





x 96.24 EXIST. NATURAL GROUND ELEVATION CL=96.32 EXIST. CENTER LINE ELEVATION I/C=95.79 EXIST. TOP OF CURVE ELEVATION xTOA=96.66 EXIST. TOP OF ASPHALT ELEVATION xEOP=96.36 EXIST. EDGE OF PAVING ELEVATION ST. LAMP POLE 💋 EXIST POWER POLE EXIST. GUY WIRE EXIST. ROAD SIGN M EXIST. WATER METER EXIST. FIRE HYDRANT EXIST. WATER VALVE E EXIST. ELECTRIC GROUND BOX EXIST. ELECTRIC TRANSFORMER EXIST. ELECTRIC PANEL

EXIST. GAS METER EXIST. GAS VALVE EXIST. EXIST FIBER OPTIC MARKER EXIST. MANHOLE AT&T S EXIST. SANITARY SEWER MANHOLE EXIST. SANITARY SEWER CLEAN OUT EXIST. SPANISH OLIVE

Know what's below.
Call before you dig.

- x - H EXIST. CHAIN LINK FENCE - - OE- H EXIST. OVER HEAD ELECTRIC LINE

- -8"W- - EXIST. 8" WATER LINE

Know what's below.

Call before you dig.

(@ least 48 hours prior to digging)

REVISIONS

191101
PROJECT No.
MAY, 2020
DATE
L. HERNANDEZ
DRAWN BY
J.H.
CHK. BY

JAVIER HINOJOSA ENGINEERING CONSULTING ENGINEERS

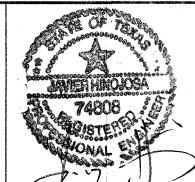
416 E. DOVE AVENUE McALLEN, TEXAS 78504
PHONE (956) 668-1588
javhin@rgv.rr.com
TBPE FIRM No. F-1295

EXISTING UTILITY & TOPOGRAPHIC LAYOUT

EDINBURG C.I.S.D. OPERATIONS / TRANSPORTATION DEPARTMENT

UNDERGROUND STORAGE TANKS REMOVAL

EDINBURG, TEXAS

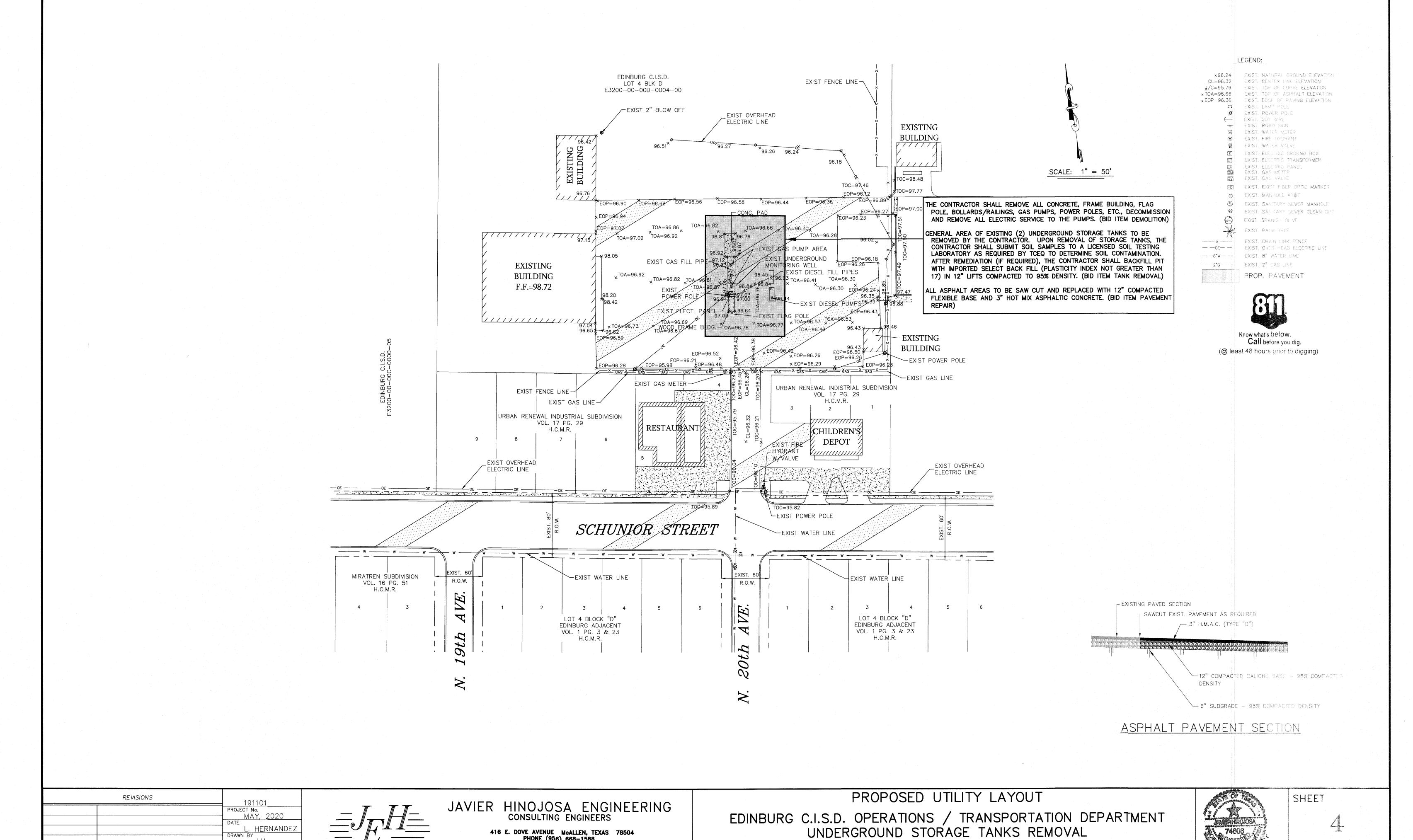


SHEET

2

OF f 4 SHEETS

EROSION GENERAL NOTES: EDINBURG C.I.S.D. LOT 4 BLK D 1. IT IS THE INTENT OF THE INFORMATION PROVIDED ON THIS SHEET AND WITHIN THE SPECIFICATIONS E3200-00-00D-0004-00 TO BE USED AS THE GENERAL GUIDELINES OF THE STORM WATER OF COMPLIANCE WITH FEDERAL PROP. TEMPORARY SILT FENCE-REGULATIONS. THE CONTRACTOR SHALL PREPARE THE STORM WATER POLLUTION PREVENTION PLAN AND BE SOLELY RESPONSIBLE FOR ITS IMPLENTATION. THE STORM WATER POLLUTION PREVENTION PLAN SHALL MEET THE REQUIREMENTS SET FORTH BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY EXIST OVERHEAD (TPDES)GENERAL PERMIT NO. TXR15000 TO DISCHARGE WASTE FROM CONSTRUCTION SITES ISSUED ELECTRIC_LINE AND EFFECTIVE MARCH 5, 2003. **EXISTING BUILDING** 2. THE STORM WATER POLLUTION PLAN SHOULD ADDRESS THREE GOALS: A) DIVERSION OF UPSLOPE WATER AROUND DISTURBED AREAS OF THE SITE; B) LIMITS THE EXPOSURE OF DISTURBED AREAS TO × 96.26 THE SHORTEST DURATION POSSIBLE; AND C) REMOVAL OF SEDIMENT FROM STORM WATER BEFORE IT LEAVES THE SITE. 96.18 3. THE CONTRACTOR SHALL MAKE THE STORM WATER POLLUTION PREVENTION PLAN AVAILABLE, UPON **SCALE**: 1" = 50'REQUEST, TO (EPA). **₼**\\\\TOC=98.48 : TOC=9入46 |∦TOC=97.77 4. THE CONTRACTOR MUST AMEND PLANS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, FOP=96 OPERATION, OR MAINTENANCE OF THE PLAN, OR WHEN THE EFFECTIVE PLAN PROVES INEFFECTIVE. LEGEND: MODIFICATIONS INCLUDING DESIGN AND ALL ADDITIONAL MATERIALS AND WORK SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE BY THE OWNER. x96.24 EXIST. NATURAL GROUND ELEVATION CI = 96.32 EXIST, CENTER LINE ELEVATION 5. STABILIZATION MEASURES ARE TO BE INSPECTED AT A MINIMUM OF ONCE EVERY 14 DAYS AND TOA=96.82 I/C=95.79 EXIST. TOP OF CURVE ELEVATION EOP=97.0ン .TOA=96.66 /TOA≒96.30√ WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES. REPAIRS AND INADEQUACIES xTOA=96.66 EXIST. TOP OF ASPHALT ELEVATION REVEALED BY THE INSPECTION MUST BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE TOA=96.92 TOA=97.02 xEOP=96.36 EXIST. EDGE OF PAVING ELEVATION X EXIST, LAMP POLE Ø EXIST, POWER POL EXIST. GUY WIRE 6. AN INSPECTION REPORT THAT SUMMARIZES INSPECTION ACTIVITIES AND IMPLEMENTATION OF THE --¥ 98.05 EXIST UNDERGROUND EXIST GAS FILL PIPE 97.1 EXIST, ROAD SIGN STORM WATER POLLUTION PREVENTION PLAN SHALL BE RETAINED AND MADE PART OF THE PLAN. EOP=96.26 MONITORING WELL **EXISTING** ■: EXIST, WATER METER 96.45 EXIST DIESEL FILL PIPES 96.63 TOA=96.41 TOA=96.30 EXIST. FIRE HYDRANT 7. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST CERTIFY AS TO AN TOA=96.92 BUILDING EXIST. WATER VALVE ×TOA=96.82 ×TOA=96.81 TOA=96.87 ×96.84 ×96.84 UNDERSTANDING OF THE NPDES GENERAL PERMIT BEFORE CONDUCTING ANY ACTIVITY IDENTIFIED IN E EXIST. ELECTRIC GROUND BOX F.F.=98.72THE POLLUTION PREVENTION PLAN. 0 EOP 96.24 97.4 96.35 PUMP 96.39 96.88 EXIST. ÉLÉCTRIC TRANSFORMER ER EXIST. ELECTRIC PANEL **8** 96.44 EXIST. GAS METER 8. THE CONTRACTOR SHALL ADOPT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO 98.42 EXIST. GAS VALVE PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE, AND OTHER POLLUTANTS TO STORM ₽ØP=96.43 \ EXIST. EXIST FIBER OPTIC MARKER WATER. APPROPRIATE PRACTICES CAN INCLUDE: DESIGNATING AREAS FOR EQUIPMENT MAINTENANCE × TOA=96.77 × TOA=96.53 TOA=98.5 AND REPAIR; REGULAR COLLECTION OF WASTE; CONVENIENTLY LOCATED WASTE RECEPTACLES; AND EXIST. MANHOLE AT&T DESIGNATING AND CONTROLLING EQUIPMENT WASHDOWN. ŘÁME BLDG.-EXIST. SANITARY SEWER MANHOLE EXIST, SANITARY SEWER CLEAN OUT EXISTING 9. THE CONTRACTOR SHALL AMEND OR MODIFY THIS PLAN AS REQUIRED BY CONSTRUCTION MEANS, PROP. TEMPORARY SHIT FENCE EXIST. SPANISH CLIVE METHODS AND SEQUENCE. MODIFICATIONS SHALL NOT COMPROMISE THE INTENT OF REQUIREMENTS OF BUILDING EXIST. PALM TREE LAW AND THIS PLAN. MODIFICATIONS SHALL NOT BE BASIS FOR ADDITIONAL COST TO THE OWNER. EOP=96.50 ¥ ×E0P=96.26 EOP=96.26 ---- x --- EXIST. CHAIN LINK FENCE. EOP=96.2 -EXIST POWER POLE ---OE---- EXIST. OVER HEAD ELECTRIC LINE 10. AREAS OF CONSTRUCTION ELSEWHERE ON THE JOB SITE SHALL CONFORM TO THE DETAILS SHOWN ON THE PLANS. -EXIST GAS LINE ——2"G —— EXIST. 2" GAS LINE 11. BORROW AREAS, IF EXCAVATED, SHALL BE PROTECTED AND STABILIZED UTILIZING THE PLAN EXIST GAS METER URBAN RENEWAL INDISTRIAL SUBDIVISION DETAILS. ALL WORK SHALL CONFORM TO GOVERNMENTAL REQUIREMENTS AND BECOME PART OF THE EXIST FENCE LINE: VOL. 17 PG. 29 STORM WATER POLLUTION PREVENTION PLAN (SWP3). THE WORK SHALL BE DONE BY THE CONTRACTOR H.C.M.R. EXIST GAS LINE-AT NO ADDITIONAL EXPENSE TO THE OWNER. URBAN RENEWAL INDUSTRIAL SUBDIVISION 12. ALL NON-PAVED AREAS SHALL BE MULCHED AND SEEDED WITH EROSION PROTECTION VOL. 17 PG. 29 IMMEDIATELY UPON COMPLETION OF FINAL GRADING. THIS INCLUDES ALL DITCHED AND EMBANKMENTS. RESTAURANT THE CONTRACTOR SHALL MAINTAIN FINAL GRADING AND KEEP SEEDED AREAS WATERED UNTIL FULLY H.C.M.R. CHILDREN'S ESTABLISHED AND ACCEPTED BY THE OWNER. Know what's below. Call before you dig. 13. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION EXIT AT ALL TRAFFIC EXIT (@ least 48 hours prior to digging) POINTS PRIOR TO EXITING ONTO ANY PAVED ROADWAY. EXIST OVERHEAD EXIST OVERHEAD ELECTRIC LINE ELECTRIC LINE The second section of the second section is a second section of the second section sec 1. STONE SHALL BE 3 TO 5 INCH DIA. CRUSHED ROCK OR ACCEPTABLE CRUSHED CEMENT CONCRETE. 2. WHEN NECESSARY, VEHICLES SHALL BE CLEANED LEXIST POWER POLE TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO SCHUNIOR STREET A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, SHAL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING _____w ____w ____w ___ ____w ___w ____w ____w ____w ____w ____w ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS. EXIST. 60' EXIST. 60 3. THE ENTRANCE SHALL BE PROPERLY GRADED OR MIRATREN INCORPORATE DRAINAGE SWALE TO PREVENT RUNOFF R.O.W. R.O.W. VOL. FROM LEAVING THE CONSTRUCTION SITE. 4. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL LOT 4 BLOCK SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED EDINBURG ADJAC EDINBURG ADJAC ONTO PAVEMENT SURFACES, MUST BE REMOVED VOL. 1 PG. 3 & VOL. 1 PG. 3 & H.C.M.R. H.C.M.R. GENERAL NOTES: COARSE AGGREGATE AS DETAILED IN SPECIFICATIONS. 1. STEEL POSTS WHICH SUPPORT TH SILT FENCE SHALL BE INSTALLED WITH A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE, POST MUST BE EMBEDDED A MINIMUM OF 18". GRADE TO PREVENT RUNOFF 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR FROM LEAVING SITE-MECHANICAL TRENCHER. SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW, WHERE FENCE CANNOT BE TRENCHED IN WEIGHT FABRIC FLAP WITH WASHED GRAVE ON UPHILL SIDE, AS NECESSARY, TO PREVENT FLOW UNDER FENCE. — CURB INLET CONNECT THE ENDS OF - EXIST. GRADE 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO FASTEN FABRIC TO TOP STRAND OF WELDED WIRE MESH (W.W.M.) BY HOG RINGS OR CORD AT A MAX. SPACING OF 15". SUCCESSIVE REINFORCEMENT EXIST. ROADWAY-ALLOW FOR THE SILT FENCE FABRIC TO BE LAND IN THE GROUND AND BACKFILLED. SHEETS OR ROLLS A MIN. OF 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST 6 TIMES WITH HOG RINGS. AS REQUIRED HWOVEN FILTER FABRIC OF TO BACKING SUPPORT, WITH IS IN TURN ATTACHED TO THE STEEL FENCE POST (6 MINIMUM PER INLET) -WIRE SCREEEN FABRIC SHALL OVERLAP AT ABUTTING ENOS A MINIMUM OF 3 FEET FILTER -AND SHALL BE JOINED SUCH THAT NO BYPASS OR LEAKAGE OCCURS. **FABRIC** ATTACH THE W.W.M. AND FABRIC ON END POSTS 5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL, REPAIR OR GALV. W.W.M. (12.5 GA. MIN.) MAX OPENING SIZE SHALL BE 2"x4" USING 4 EVENLY SPACED STAPLES FOR WOODEN REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. GENERAL NOTES POSTS (OR 4 T-CLIPS OR SEWN VERTICAL POCKETS 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED - FILTERED WATER FOR STEEL POST). 1. FILTER FABRIC CURB INLET PROTECTION SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. TO BE REMOVED WHEN SITE IS FULLY STABILIZED. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A 2. FILTER FABRIC TO BE CLEANED AFTER EACH MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION. RAIN EVENT. TRANSITION TO ROADWAY 3. 2x4 LUMBER TO BE CUT AS PLACE 4" TO 6" OF FABRIC AGAINST THE TRENCH REQUIRED TO FIT CONTOURS SEDIMENT CONTROL FENCE USAGE GUIDELINES OF GUTTER LINE. SIDE AND APPROX.. 2" ACROSS TRENCH BOTTOM IN ROW UPSTREAM DIRECTION. MINIMUM TRECH SIZE SHALL A SEDIMENT CONTROL FENCE MAY BE CONSTRUCTED NEAR THE DOWNSTREAM PERIMETER OF A DISTURBED 4. ALL BAGS TO BE USED FOR INLET -2"x4" WIRE SCREEN & AREA ALONG A CONTOUR TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF. A 2-YEAR STORM FREQUENCY BE 6" SQUARE. BACKFILL AND HAND TAMP. PROTECTION, TO BE U.V. RESISTANT PLAIN VIEW FILTER FABRIC SECURITY MAY BE USED TO CALCULATE THE FLOW RATE TO BE FILTERED. FASTENED. ANCHOR 2"x4' AS REQ. EACH END. SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAX. FLOW THROUGH RATE OF 100 GPM/FT. STABILIZED CONSTRUCTION ENTRANCE/EXIT SEDIMENT CONTROL FENCE IS NOT RECOMMENEDED TO CONTROL EROSION FROM A DRAINAGE AREA LARGER FILTER FABRIC CURB INLET PROTECTION TEMPORARY SEDIMENT CONTROL FENCE SUGGESTED EROSION CONTROL PLAN SHEET REVISIONS JAVIER HINOJOSA ENGINEERING EDINBURG C.I.S.D. OPERATIONS / TRANSPORTATION DEPARTMENT CONSULTING ENGINEERS MAY. HERNANDE UNDERGROUND STORAGE TANKS REMOVAL 416 E. DOVE AVENUE MCALLEN, TEXAS 78504 PHONE (956) 668-1588 iavhin@rgv.rr.com TBPE FIRM No. F-1295 SHEETS EDINBURG, TEXAS



416 E. DOVE AVENUE McALLEN, TEXAS 78504
PHONE (956) 668-1588
javhin@rgv.rr.com
TBPE FIRM No. F-1295

529/20

EDINBURG, TEXAS

SHEETS