NOTES TO CONTRACTOR:

BY THE ACT OF SUBMITTING A BID FOR THIS PROPOSED CONTRACT, THE BIDDER WARRANTS THAT THE BIDDER, AND ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS HE INTENDS TO USE HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS, SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS AND HAVE FOUND THEM COMPLETE AND FREE FROM ANY AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED. THE BIDDER FURTHER WARRANTS THAT TO THE BEST OF HIS OR HIS SUBCONTRACTORS' AND MATERIAL SUPPLIERS' KNOWLEDGE, ALL MATERIALS AND PRODUCTS SPECIFIED OR INDICATED HEREIN ARE ACCEPTABLE FOR ALL APPLICABLE CODES AND AUTHORITIES. ITEM BID PRICES SHALL BE FULL COMPENSATION FOR FURNISHING MATERIAL, ASSOCIATED LABOR AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAS BEEN BASED UPON RECORD INFORMATION ONLY AND MAY NOT MATCH LOCATIONS AND/OR DEPTHS AS CONSTRUCTED. THE CONTRACTOR SHALL CONTACT EACH INDIVIDUAL UTILITY, FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UTILITY CROSSINGS PRIOR TO BEGINNING ANY CONSTRUCTION.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE JOB SITE AND THE JOB SITE CONDITIONS DURING CONSTRUCTION. THE RESPONSIBILITY IS NOT LIMITED TO NORMAL WORKING HOURS AND INCLUDES THE SAFETY OF ALL PERSONS AND PROPERTY. THE ENGINEER AND OWNER HAVE NO LIABILITY IN CONNECTION WITH THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR LIABILITY DIRECTLY CAUSED BY THE SOLE NEGLIGENCE OF THE ENGINEER AND/OR OWNER. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ENGINEER AND/OR OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE EXECUTION OF ALL WORK RELATED TO THIS PROJECT, EXCEPT FOR NEGLIGENCE ON THE PART OF THE ENGINEER AND/OR OWNER.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTÉCHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

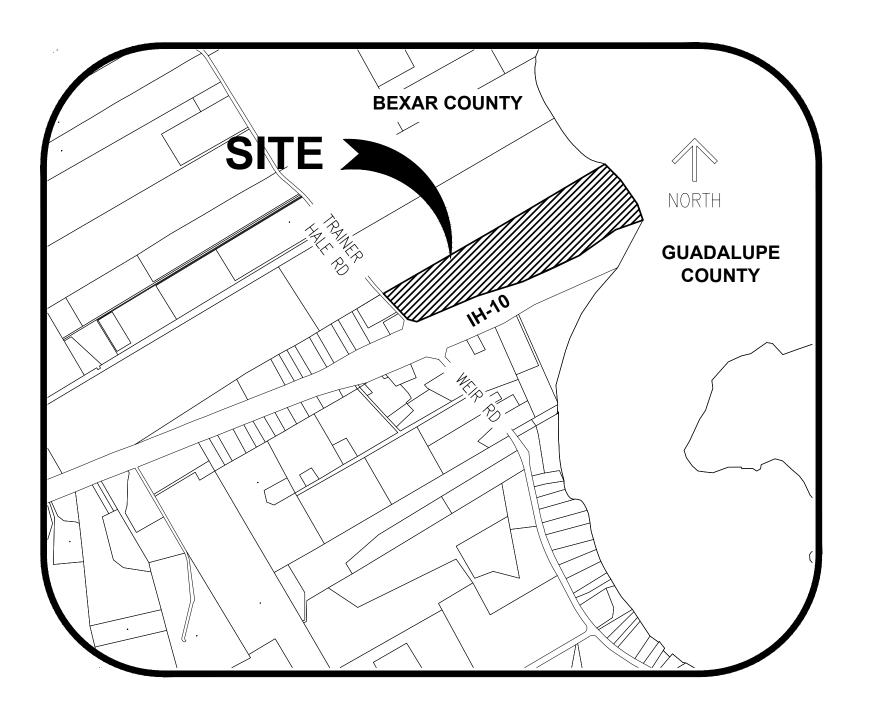
CAUTION: THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO COMMENCING WORK AND IS RESPONSIBLE FOR ANY/ALL DAMAGES RESULTING FROM THE FAILURE TO LOCATE AND PRESERVE UTILITIES.

CONSTRUCTION PLANS

FOR

FLOOD RECLAMATION PROJECT **IH10 & TRAINER HALE**

SCHERTZ, TEXAS 78154



LOCATION MAP

NO.	DATE	REVISIONS	BY
1	11/3/2023	UPDATE SILT FENCE/DETAILS - CITY OF SCHERTZ	ALS
2	1/16/2024	UPDATE QUANTITIES FOR CONSTRUCTION PLAN BIDS	JWB
			_

FOR INTERIM REVIEW ONLY
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW ONLY, UNDER THE AUTHORITY OF:
NAME: J.W. BALCH, P.E.
P.E. No.: <u>146295</u>
DATE: <u>JAN 16, 2024</u>
AND IS NOT INTENDED TO BE USED FOR BIDDING OR CONSTRUCTION PURPOSES.

SUBMITTED BY: WESTWOOD PROFESSIONAL SERVICES 211 NORTH LOOP 1604 EAST, SUITE 205 SAN ANTONIO, TX 78232 TEL: (210) 265-8300 FAX: (210) 855-5530

DEVELOPER & APPLICANT PATRICO O'WARD GORDIBUENA PROPERTIES, LLC

24165 IH 10 WEST, SUITE 217

SAN ANTONIO, TEXAS 78257

SITE ADDRESS IH10 & TRAINER HALE SAN ANTONIO, TEXAS

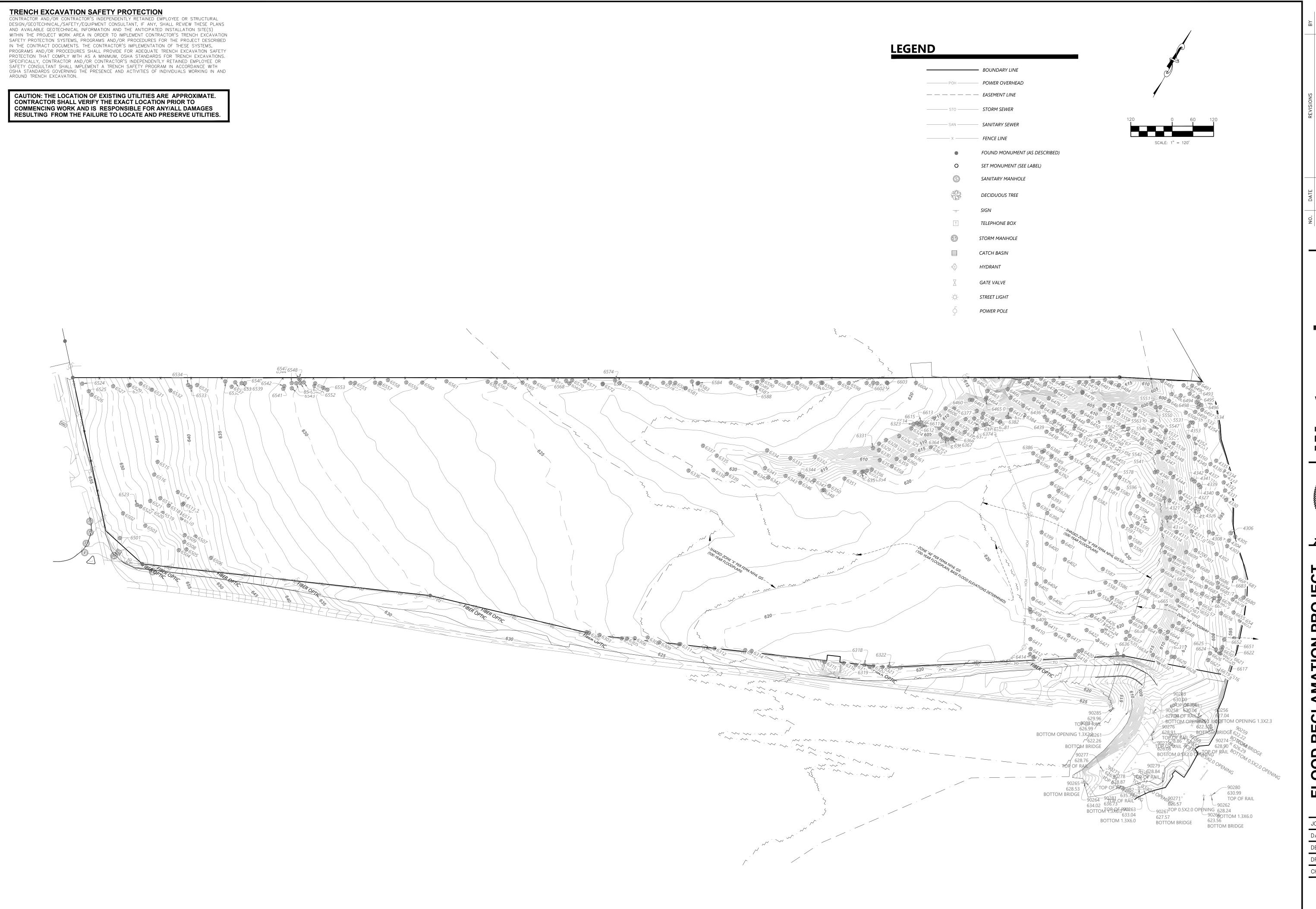
SHEET INDEX SHEET SHEET TITLE CO.0 COVER SHEET CO.1 TOPOGRAPHIC SURVEY C1.0 GENERAL NOTES C2.0 OVERALL GRADING PLAN C2.1 GRADING PLAN - PHASE I (SHT. 1 OF 2) C2.2 GRADING PLAN - PHASE I (SHT. 2 OF 2) C3.0 EROSION CONTROL PLAN C3.1 EROSION CONTROL NARRATIVE C4.0 TREE PRESERVATION PLAN C4.1 TREE PRESERVATION CALCULATIONS

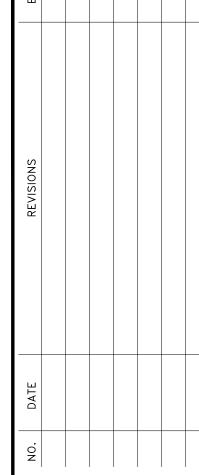


Westwood

Phone (210) 265-8300 211 North Loop 1604 East, Suite 205 **Toll Free** (888) 937-5150 San Antonio, TX 78232 westwoodps.com

Westwood Professional Services, Inc. TBPE FIRM REGISTRATION NO. F-11756 TBPLS FIRM REGISTRATION NO. 10074301





Westwood
Phone (210) 265-8300 211 North Loop 1604 East, \$



AMATION PROJECT
TRAINER HALE

JOB NO.: 0044013.01

DATE: 08/17/2023

DESIGN: BP

DRAWN: JP

CHECKED: DAD

SHEET

C0.1

GENERAL NOTES

- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED. IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND ALL RESPECTIVE GOVERNMENTAL OR UTILITY AGENCIES AFFECTED BY CONSTRUCTION 72 HOURS PRIOR TO STARTING CONSTRUCTION. ANY TIE-IN SHALL BE COORDINATED BY THE CONTRACTOR WITH THE PUBLIC WORKS DEPARTMENT, AT LEAST 48 HOURS IN ADVANCE.
- 3. CONTRACTOR IS REQUIRED TO VERIFY PROJECT ELEVATIONS. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENT.
- . ANY DISCREPANCY OR CONFLICT WITHIN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE CITY. DISCREPANCIES OR CONFLICTS NOT BROUGHT TO THE ENGINEERS ATTENTION AND CLARIFIED DURING BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY MANNER. AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH ENGINEERS INTERPRETATION. ALL ITEMS, WORK, AND IMPROVEMENTS SHOWN OR INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE COMPLETED FOR THE PRICES BID, WHETHER OR NOT A SEPARATE PAY ITEM IS INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS THROUGH THE COURSE OF CONSTRUCTION AND SHALL SUBMIT SAME TO THE ENGINEER FOR APPROVAL PRIOR TO FINAL ACCEPTANCE OF THE WORK BY OWNER.
- THE CONTRACTOR WILL SELECT, EMPLOY, AND PAY FOR SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM INSPECTION AND TESTING IDENTIFIED IN THE PUBLIC WORKS TECHNICAL SPECIFICATION SECTION 01452. EMPLOYMENT OF A TESTING LABORATORY BY THE CONTRACTOR SHALL NOT RELIEVE CONTRACTOR OF ITS OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. COPIES OF REPORTS TO BE SUBMITTED TO THE CITY FOR
- THE CONTRACTOR SHALL FURNISH ALL ASSISTANCE REQUIRED OF HIM BY ALL INSPECTORS IN OBTAINING SAMPLES AT THE EXPENSE OF THE CONTRACTOR.
- 8. IF IN THE OPINION OF THE INSPECTOR, BASED ON TESTING SERVICE REPORTS AND INSPECTION, MATERIALS, COMPACTION OR ANY OTHER SPECIFICATIONS ARE BELOW THE SPECIFIED REQUIREMENTS THE CONTRACTOR SHALL CORRECT THE DEFICIENCY AND RE-TEST TO OBTAIN THE SPECIFIED PARAMETERS AT NO ADDITIONAL EXPENSE.
- 9. FOR ALL PAVEMENT LAYERS. A PASSING TEST RESULT IS REQUIRED WITHIN 48 HOURS OF PLACING THE NEXT LAYER OR RETESTING WILL BE REQUIRED.
- 10. DESIGN AND CONSTRUCTION STANDARDS REQUIRED:
- A. PROJECT CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS, & DESIGN REPORTS.
- B. CITY OF SCHERTZ PUBLIC WORKS SPECIFICATION MANUAL. 1. PUBLIC WORKS DESIGN GUIDE. 2. PUBLIC WORKS TECHNICAL SPECIFICATIONS. 3. STANDARD DETAILS.
- 11. UNLESS OTHERWISE SHOWN IN THESE PLANS, SIDEWALKS WILL BE CONSTRUCTED CONCURRENT WITH MAIN LOT STRUCTURE.
- 12. ROUGH GRADING MUST BE DONE ON ALL LOTS PRIOR TO SUBDIVISION PRELIMINARY ACCEPTANCE.
- 13. ALL PAVEMENTS, DRIVEWAYS, SIDEWALKS, CURBING, GUTTERS, FENCES, POLES, MAILBOXES, SIGNS, TREES, SHRUBBERY, LAWNS, SOD OR OTHER PROPERTY AND SURFACE STRUCTURES ON OR ADJACENT TO THE PROJECT SITE NOT SHOWN TO BE REMOVED IN PLANS, THAT ARE DAMAGED, DISTURBED, REMOVED OR DESTROYED BY THE CONTRACTOR DURING THE WORK SHALL BE REPLACED OR RETURNED TO A CONDITION EQUAL TO THAT BEFORE THE WORK BEGAN, CONTRACTOR, TO SUPPORT AND KEEP INTACT STORM DRAINS AND INLET STRUCTURES. ANY DAMAGES INCURRED WILL BE AT CONTRACTOR'S EXPENSE.

GENERAL NOTES

47. THE CONTRACTOR SHALL PROVIDE ACCESS FOR RESIDENCES AND BUSINESSES.

AND AS DIRECTED BY THE ENGINEER, PARTICULARLY IN THOSE AREAS OF IMMEDIATE WORK

- 48. THE CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE. 49. THE CONTRACTOR WILL BE REQUIRED TO FURNISH BARRICADES, WARNING SIGNS, LIGHTS, FLARES, FLAGS, FLAGMEN, ETC. WHERE NECESSARY
- 50. BATTERY FLASHERS SHALL BE USED AND NUMBER SHALL BE EQUAL OR GREATER THAN INDICATED ON BARRICADING STANDARDS. WHEN A CLASS I BARRICADE PANEL OR CLASS II BARRICADE IS USED, EACH SHOULD BE EQUIPPED WITH A MINIMUM OF TWO (2) LIGHTS. ALL WARNING SIGNS NOT MOUNTED ON BARRICADES SHALL HAVE ONE (1) LIGHT.
- 51. BATTERY FLASHERS SHALL CONFORM TO PART V, SECTION D, LIGHTING DEVICES, TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR
- 52. CONTRACTOR RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN, PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE CITY FOR APPROVAL 5 WORKING DAYS PRIOR TO COMMENCING WORK. PLAN SHOULD FOLLOW REQUIREMENTS OF TMUTCD, LATEST EDITION.
- 53. ALL TRENCHING AND CUT PAVEMENT SHALL BE RESTORED SUCH THAT LOCAL ACCESS MAY BE RESUMED AS SOON AS POSSIBLE. 54. RESTRICT TOTAL LENGTH OF DISTRIBUTED MATERIALS ALONG THE ROUTE OF CONSTRUCTION TO 1,000 LINEAR FEET UNLESS OTHERWISE APPROVED IN WRITING BY PUBLIC WORKS.
- 55. MAINTAIN THROUGH TRAFFIC ALONG ALONG ANY PUBLIC ROADWAYS FOR THE DURATION OF THE PROJECT. 56. COORDINATE SHUT DOWN ROAD WITH CITY OF SCHERTZ 5 DAYS PRIOR TO SHUTDOWN. SEE SPEC 01555.

TXDOT NOTE:

- 57. NO WORK AND NO STORAGE OF MATERIALS WILL BE PERFORMED IN TXDOT RIGHT-OF-WAY, UNLESS THE APPROPRIATE DENSITIES HAVE BEEN
- 58. ALL TXDOT REQUIRED PERMITS MUST BE OBTAINED AND PROVIDED BY THE CITY BY THE CONTRACTOR. ALL PERMITS FOR UTILITY WORK WITHIN THE TXDOT R.O.W. WILL BE OBTAINED AND PROVIDED TO THE CITY. ALL PLANS AND REQUIRED SUBMITTALS WILL BE PROVIDED BY THE CONTRACTOR AT

TRAFFIC

ENGINEERING AND PUBLIC WORKS

- 4. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED IN THESE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED, BUT SHALL BE INVESTIGATED AND VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO. AND FOR MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS, CONTRACTOR SHALL CONTACT ANY UTILITIES ENCOUNTERED FORTY-EIGHT HOURS (48) HOURS PRIOR TO
- . THE FOLLOWING IS A LIST OF TELEPHONE NUMBERS OF THE UTILITY LOCATORS FOR THE VARIOUS UTILITIES THAT MAY BE ENCOUNTERED:

TEXAS ONE CALL 1-800-245-4545 (1-800-DIG-TESS) 210-658-6241 1-800-545-6005

- CENTERPOINT ENERGY ENTEX. (210)-672-2871 NEW BRAUNFELS UTILITY (830)-629-8400 TIME WARNER CABLE.. (210)-352-4472 1-800-828-512 TxDOT NEW BRAUNFELS. CITY OF SCHERTZ PUBLIC WORKS DEPT.... (210)-619-1800
- GREEN VALLEY WATER DISTRICT... (830)-914-2330 SCHERTZ SEGUIN LOCAL GOV'T CORP (830)-401-2409 GREEN VALLEY TELEPHONE COMPANY... .. (830)-885-8277 GREEN VALLEY SPECIAL UTILITY DISTRICT......(831)-914-2330
- . NO VALVES IN THE OWNER'S WATER DISTRIBUTION SYSTEM SHALL BE OPERATED BY THE CONTRACTOR WITHOUT PRIOR PERMISSION OF THE OWNER, THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN A VALVE IS TO BE OPERATED AND SHALL ONLY OPERATE THE VALVE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. COORDINATE ALL SHUTDOWN OF MAINS FOR TIE-INS WITH OWNER 72 HOURS PRIOR TO WORK BEING COMPLETED. THE CONTRACTOR SHALL INSPECT THE MATERIALS FOR DEFECTS AT THE TIME THEY ARE UNLOADED, AND ANY MATERIALS FOUND DEFECTIVE SHALL BE REMOVED FROM THE SITE. ALL WATER WORKS MATERIAL OR SCRAP OF WHATEVER NATURE REMOVED BY THE CONTRACTOR IN THE COURSE OF THE WORK SHALL REMAIN THE PROPERTY OF THE OWNER, SALVAGED MATERIALS SHALL REDELIVERED TO AND UNLOADED AT THE CITY PUBLIC WORKS DEPARTMENT BY THE CONTRACTOR UNDER OBSERVATION OF AND AT THE DIRECTION OF THE OWNER. ITEMS TOO HEAVY TO BE HANDLED MANUALLY WILL BE UNLOADED BY EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS UNTIL THEY HAVE BEEN TURNED IN TO THE OWNER AND UNTIL A RECEIPT FOR THEM HAS BEEN ISSUED BY THE OWNER.
- 8. NO TIE-IN SHALL BE MADE TO THE EXISTING UTILITY SYSTEM UNTIL ALL TEST RESULTS HAVE BEEN PROVIDED TO THE CITY AND ARE VERIFIED. 9. PRIOR TO TESTING, ANY CONNECTION TO THE CITY'S WATER SUPPLY SHALL BE THROUGH AN APPROVED AND TESTED BACKFLOW DEVICE.
- . CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT EXISTING SANITARY SEWER LATERALS AND WATER SERVICES SHOWN IN PLANS. ANY REPAIRS TO BE MADE AT CONTRACTORS EXPENSE
- PROVIDE BLUE PANTED "V" ETCHED IN CURB TO IDENTIFY VALVES PROVIDE BLUE PANTED "X" ETCHED IN CURB TO IDENTIFY METER BOXES

20. PLUG EXISTING SEWER BEFORE INSTALLING ANY NEW SEWER MAIN.

- NEW WATER MAINS TO BE PVC C900 DR14, UNLESS OTHERWISE SHOWN IN PLANS AND APPROVED BY PUBLIC WORKS OR ENGINEERING. HYDROSTATIC TESTING WILL BE PERFORMED UNDER THE SUPERVISION OF THE CITY INSPECTOR, PER STANDARD SPECIFICATION 02515 AT 200 PSI
- L CONTRACTORS SHOULD USE HTH FOR DISINFECTION OF WATER LINES (NOT CHLORINE INJECTION) UNLESS APPROVED OTHERWISE PRIOR TO ISSUANCE OF PERMIT
- . NEW WATERLINES SHALL BE TIED INTO EXISTING WATER SYSTEM UNDER THE SUPERVISION OF CITY PERSONNEL NO LATER THAN 14 DAYS AFTER PASSING BACTERIOLOGICAL TESTS.
- 26. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO OVERFLOWS OR SPILLAGE OF SEWER OCCURS. SHOULD THIS OCCUR, THE CONTRACTOR
- A. IDENTIFY THE SOURCE OF THE SPILL AND ATTEMPT TO ELIMINATE ANY ADDITIONAL SPILLAGE. B. NOTIFY THE CITY OF SCHERTZ PUBLIC WORKS.
- C. CONTAIN THE SPILL IN PLACE AND AVOID CONTAMINATION OF STREAMS. D. DISINFECT THE AREA OF THE SPILL WITH A MIXTURE OF HTH CHLORINE AND WATER.
- E. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AND THE CITY
- CONTRACTOR TO PROVIDE NOTICE TO RESIDENTS OF SHUTDOWN OF MAIN. CONTRACTOR TO NOTIFY RESIDENTS OF WORK WITHIN THEIR PROPERTY AND OF THE RELOCATION OF METERS. ANY COMPLAINTS BY RESIDENTS ARE TO BE PASSED IMMEDIATELY TO THE CITY INSPECTOR OR TO THE MAIN PUBLIC WORKS OFFICE. TAKE APPROPRIATE MEASURES TO PROTECT EXISTING SANITARY SEWER LATERALS SHOWN IN PLANS. ANY REPAIRS TO BE MADE AT CONTRACTORS EXPENSE.
- 28. ABANDONED CUSTOMER LINES SHALL BE CAPPED OR PLUGGED AT THE PROPERTY LINE. 9. ASBESTOS PIPE REMOVAL AND DISPOSAL IS THE CONTRACTORS RESPONSIBILITY.

GENERAL NOTES - UTILITIES

ENGINEERING AND PUBLIC WORKS

- THE FOLLOWING MEASURES REPRESENT MINIMUM STANDARDS TO BE ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION OF A PROJECT. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE EMPLOYED WHEN WARRANTED BY EXTREME CONDITIONS AND/OR THE FAILURE OF THE CONTRACTOR TO EMPLOY THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES. FAILURE TO COMPLY WITH THESE PROVISIONS SHALL RESULT IN THE ISSUANCE OF A "STOP WORK ORDER".
- 9. NO DISTURBANCE OF PROPOSED CONSERVATION EASEMENTS. NATURAL BUFFERS. OR WATER BODIES IS PERMITTED. THE CONTRACTOR SHALL LOCATE THESE AREAS ON SITE AND BARRICADE THEM TO AVOID ANY LINALITHORIZED CLEARING, BARRICADES AND OTHER PROTECTIVE FENCING ARE TO BE LOCATED AT THE DRIP LINE OF EXISTING NATIVE TREES OR A MINIMUM OF 10 FEET FROM TREE CANOPY OR THE DRIP LINE, WHICHEVER
- 0 SPECIMEN AND HISTORIC TREES CONSERVATION FASEMENTS NATURAL VEGETATION BUFFERS AND SIMILAR AREAS MUST BE PROTECTED BY BARRICADES OR FENCING PRIOR TO CLEARING. BARRICADES ARE TO BE SET AT THE DRIP LINE OF THE TREES AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. BARBED WIRE IS NOT PERMITTED AS A PROTECTIVE BARRIER.
- 11. WHERE A CHANGE OF GRADE OCCURS AT THE DRIP LINE OF A SPECIMEN TREE, SILT FENCES WILL BE REQUIRED DURING CONSTRUCTION AND RETAINING WALLS MUST BE INSTALLED PRIOR TO FINAL ACCEPTANCE BY THE CITY.
- 32 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL PROTECTIVE VEGETATION. BARRICADES AND EROSION CONTROL STRUCTURES AND MEASURES IN PLACE PRIOR TO THE COMMENCEMENT OF ANY FARTHWORK INCLUDING PRELIMINARY GRUBBING. THESE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY CONSTRUCTION FENCES, SYNTHETIC JUTE BALES, WATTLES, &/OR HAVE BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED, SILT FENCES, AND FLOATING TURBIDITY BARRIERS. FURTHER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION CONTROL DEVICES THROUGHOUT THE DURATION OF THE ENTIRE PROJECT. MAINTENANCE SHALL INCLUDE PERIODIC INSPECTION AND REMOVAL OF DEBRIS ABUTTING EROSION CONTROL DEVICES.
- 3. PRIOR TO THE INSTALLATION OF ANY FILL MATERIALS ON SUBJECT SITE, SILT FENCES SHALL BE INSTALLED (1) ALONG SUBJECT SITE BOUNDARY AND PROPERTY LINES, (2) AT THE EDGE OF CONSERVATION EASEMENTS AND WETLANDS, (3) ADJACENT TO NATURAL LANDSCAPE BUFFERS, (4) AROUND THE PERIMETER OF EXISTING STORM WATER TREATMENT FACILITIES, AND (5) AT ANY ADDITIONAL AREAS THAT THE CITY DEEMS NECESSARY TO BE PROTECTED FROM POTENTIAL EROSION IMPACTS DURING CONSTRUCTION. THESE CONDITIONS SHALL APPLY IN ALL INSTANCES WHERE FILL MATERIAL IS BEING INSTALLED WITHIN 25 FEET OF ANY OF THE AFOREMENTIONED LOCATIONS. WHILE THESE ITEMS REPRESENT THE MINIMUM REQUIREMENTS, THE CITY RESERVES THE RIGHT TO IMPOSE ADDITIONAL PROTECTIVE MEASURES, AS DETERMINED DURING ACTUAL SITE VISITS CONDUCTED AS PART OF THE STANDARD REVIEW OF THE SITE THROUGHOUT PROJECT CONSTRUCTION.
- 64. AT A MINIMUM, THE CONTRACTOR SHALL SEED AND/OR MULCH ALL DISTURBED AREAS. 85% SUFFICIENT GRASS COVERAGE IS TO BE ESTABLISHED
- 65. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGH SCHEDULING, TO MINIMIZE THE DISTURBANCE OF SITE AREAS THAT HAVE BEEN BROUGHT TO THEIR PROPOSED FINAL GRADE. WITHIN SEVEN (7) DAYS OF BRINGING A SUBJECT AREA TO ITS FINAL GRADE OR INACTIVITY IN CONSTRUCTION, THE CONTRACTOR SHALL INSTALL SEED AND MULCH OR SOD, AS REQUIRED. ANY PROJECT THAT IS INACTIVE FOR A PERIOD OF 30 DAYS OR MORE SHALL BE STABILIZED TO THE SATISFACTION OF THE CITY OF SCHERTZ.
- 66. ONCE AN AREA IS SEEDED OR SODDED, IT MUST BE MAINTAINED BY THE CONTRACTOR TO ALLOW THE GRASS TO BECOME ESTABLISHED. IF THE GRASS IS NOT ESTABLISHED WITHIN TWO WEEKS THE CITY MAY REQUIRE THE CONTRACTOR TO RE-SEED OR A NON-VEGETATIVE OPTION MAY BE
- 67. ABSOLUTELY NO BURYING OF CLEARED MATERIALS IS PERMITTED.
- 68. THE REMOVAL OF ALL VEGETATION AND TOPSOIL ON THE FUTURE ROADWAY, PARKING AND BUILDING LOT AREAS IS REQUIRED TO BE COMPLETED PRIOR TO THE PLACEMENT OF FILL ON THOSE AREAS. THE TOPSOIL MAY BE TEMPORARILY STOCKPILED AND USED AS TOPSOIL OVER OVER PROPOSED GREEN AREAS SUCH AS PLANT BEDS, SODDED AREAS, AND WHERE TREES ARE TO BE INSTALLED OR RELOCATED.
- 69. FILL MATERIAL IS TO BE PLACED IN ONE FOOT LIFTS AND COMPACTED TO THE APPROPRIATE DENSITY (95% FOR PAVED AREAS AND 95% FOR BUILDING PADS AND ALL OTHER AREAS AS PER ASTM D-698).
- 70. DURING SUBDIVISION DEVELOPMENT WHEN FUTURE BUILDING LOTS ARE FILLED AS PART OF THE OVERALL SUBDIVISION IMPROVEMENTS, COMPACTION TEST REPORTS MUST BE PERFORMED ON THE BUILDING LOTS AT 300 FOOT INTERVALS. THESE TESTS ARE TO BE PERFORMED IN ONE-FOOT VERTICAL INCREMENTS. THE RESULTS OF THESE TESTS ARE TO BE SUBMITTED TO THE CITY UPON COMPLETION OF THE TESTS.
- 71. IF ANY MUCK MATERIAL IS DISCOVERED, IT SHALL BE REQUIRED TO BE REMOVED AND REPLACED WITH A SUITABLE MATERIAL THAT IS PROPERLY BACKFILLED, COMPACTED AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
- 2. STOCKPILING IS NOT GENERALLY PERMITTED BY THE CITY. WHEN ALLOWED, STOCKPILES SHALL NOT EXCEED SIX FEET IN HEIGHT MEASURED FROM THE ORIGINAL GRADE. AT A MINIMUM, STOCK PILES THAT WILL REMAIN IN PLACE IN EXCESS OF TWENTY DAYS SHOULD BE SEEDED AND MULCHED IMMEDIATELY UPON PLACEMENT OF THE FINAL LIFT.
- 3. SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION AND THE IMPACT TO NEIGHBORING COMMUNITIES. ADEQUATE WATERING METHODS SHOULD BE EMPLOYED TO ALLOW DAILY COVERAGE OF THE ENTIRE LIMITS OF ALL AREAS THAT DO NOT HAVE AN ESTABLISHED VEGETATIVE COVER. METHODS TO BE EMPLOYED INCLUDE, BUT ARE NOT LIMITED TO, WATER TRUCKS, PERMANENT IRRIGATION SYSTEMS, TEMPORARY SPRINKLER SYSTEMS OPERATED BY PUMPING UNITS CONNECTED TO WET RETENTION PONDS, WATER CANNONS, TEMPORARY IRRIGATION SYSTEMS MOUNTED ATOP STOCKPILE AREAS, AND OTHER METHODS AS DEEMED NECESSARY



CLEARING & GRADING

ENGINEERING AND PUBLIC WORKS

TREES & VEGETATION

- 30. THE CONTRACTOR SHALL VERIFY WHICH TREES ARE TO BE SAVED AND PROTECTED PRIOR TO COMMENCING CONSTRUCTION. DURABLE FENCE PROTECTION BARRIERS SHALL BE INSTALLED AROUND ALL TREES TO BE SAVED WITH FENCE PLACEMENT A MINIMUM OF 10 FEET FROM TREE CANOPY OR THE DRIP LINE. WHICHEVER IS GREATER.

PROPERTY OWNERS IN THE TERRACES FRONTING THEIR PROPERTY.

31. THE CONTRACTOR SHALL NOT DISTURB AREAS AROUND EXISTING TREES TO BE SAVED. THE CONTRACTOR SHALL PROTECT EXISTING GRASS. LANDSCAPING AND TREES NOT IN DIRECT CONFLICT WITH PROPOSED IMPROVEMENTS

DURING CONSTRUCTION. GRASSED AREAS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITH TOPSOIL AND

- 33. THE CONTRACTOR SHALL REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOIL, DEBRIS, AND DELETERIOUS MATERIALS IN
- 34. AFTER THE CONTRACTOR HAS REMOVED MATERIALS AS DESCRIBED ABOVE, HE SHALL STRIP SUITABLE TOPSOIL AND STOCKPILE FOR LANDSCAPING USE
- 5. THE CONTRACTOR SHALL EXERCISE EXTRA CARE TO AVOID DAMAGE TO TREES AND ORNAMENTAL SHRUBS PLANTED AND MAINTAINED BY
- 36. CONTRACTOR SHALL COMPENSATE OWNER FOR DAMAGE TO TREES NOT SHOWN TO BE REMOVED IN PLANS.
- 37. OAK TREES DAMAGED DURING CONSTRUCTION SHALL BE SEALED WITHIN SIX HOURS OF DAMAGE TO PREVENT INFECTION BY OAK WILT.

- 38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), INCLUDING COMPLYING WITH ALL APPLICABLE REGULATIONS RELATED TO NPDES & TPDES, AND SUBMITTING REQUIRED NOTIFICATION OF INTENT AND TERMINATION, THIS IS TO BE PAID FOR UNDER "STORM WATER POLLUTION PREVENTION PLAN" ITEM.
- 39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE CONDITIONS DURING CONSTRUCTION AND UNTIL THE PROJECT IS ACCEPTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STORMWATER POLLUTION PREVENTION PLAN, UNDERSTAND THE REQUIREMENTS FOR THE PLAN, AND SHALL BE RESPONSIBLE FOR IMPLEMENTING THE PLAN. THIS IS TO BE INCLUDED UNDER SECTION 01410 "STORM WATER POLLUTION PREVENTION PLAN". ALL FINES IMPOSED FOR NOT IMPLEMENTING OR MAINTAINING SWPPP MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- 40. RESTORATION OF PROJECT AREA AFFECTED BY CONSTRUCTION ACTIVITIES IN PUBLIC AND PRIVATE PROPERTY, INCLUDING RIGHT-OF-WAYS AND EASEMENTS (TOPSOIL AND HYDROMULCH), PAVEMENT, DRIVEWAYS, DRAINAGE STRUCTURES, FENCES, LAWNS (TOPSOIL AND BLOCK SODDING),
- $AND\ LANDSCAPING\ WILL\ BE\ COVERED\ BY\ SPECIFICATION\ AND\ BID\ ITEM\ "SITE\ RESTORATION"\ AND\ SPECIFICATION\ 01740\ .$ 41. PAYMENT FOR RESTORATION OF PROJECT SITE DISTURBED BY UTILITY CONSTRUCTION OPERATIONS IS ON A LINEAR FOOT
- 42. MEASUREMENT WILL BE AS PROVIDED FOR CORRESPONDING UTILITY IN EACH SPECIFICATION SECTION. NO SEPARATE PAYMENT MADE FOR BRANCH PIPE, VALVES, SERVICES, YARD PIPING AND OTHER ASSOCIATED WORK FOR UTILITIES. MEASUREMENT FOR RESTORATION WITH MULTIPLE UTILITIES WITHIN THE SAME RIGHT-OF-WAY WILL BE ON A LINEAR FOOT BASIS FOR ONLY ONE UTILITY.
- 43. PAYMENT INCLUDES REQUIRED SITE RESTORATION WITHIN THE RIGHT-OF-WAY OR EASEMENT REGARDLESS OF SIZE OR TYPE OF PIPE, METHOD OF CONSTRUCTION, PAVED OR UNPAVED AREAS OR THICKNESS AND WIDTH OF PAVEMENT
- 44. NO SEPARATE PAYMENT MADE FOR SITE RESTORATION FOR SERVICE CONNECTIONS OR YARD PIPING UNDER THIS SECTION. INCLUDE COST IN
- 45. ALL DISTURBED AREAS TO BE RE-VEGETATED TO 85% OF APPROVED GRASSES ACCORDING TO THE UDC PRIOR TO THE ACCEPTANCE OF PERMIT
- 46. ROUGH GRADING, INCLUDING TREE REMOVAL MUST BE DONE ON ALL LOTS PRIOR TO SUBDIVISION PRELIMINARY ACCEPTANCE



TPDES

ENGINEERING AND PUBLIC WORKS

THE FOLLOWING MEASURES REPRESENT MINIMUM STANDARDS TO BE ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION OF A PROJECT. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE EMPLOYED WHEN WARRANTED BY EXTREME CONDITIONS AND/OR THE FAILURE OF THE CONTRACTOR TO EMPLOY THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES. FAILURE TO COMPLY WITH THESE PROVISIONS SHALL RESULT IN THE ISSUANCE OF A "STOP WORK ORDER".

- 74. ALL FILL MATERIALS LOCATED BENEATH STRUCTURES AND PAVEMENT SHALL CONSIST OF CLEAN GRANULAR SAND FREE FROM ORGANICS AND
- SIMILAR MATERIAL THAT COULD DECOMPOSE. 75. ALL FILL TO BE PLACED IN LANDSCAPED AREAS SHALL HAVE A Ph RANGE BETWEEN 5.5 AND 6.5, BE ORGANIC IN NATURE, FREE OF ROCKS AND DEBRIS, OR MATCH NATIVE EXISTING SOILS.
- 76. OWNER/CONTRACTOR SHALL FILE A "**NOTICE OF INTENT**" TO USE GENERAL PERMIT FOR STORM WATER DISCHARGE FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES" WITH THE TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM" IN COORDINATION WITH THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY. CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH ALL PROVISIONS OF THE GENERIC PERMIT INCLUDING BUT NOT LIMITED TO:
- A. PROVIDE SUCH EROSION AND SEDIMENT CONTROL MEASURES AS MAY BE NECESSARY TO PREVENT DISCHARGE OF POLLUTANTS FROM THE SITE FROM THE START OF CONSTRUCTION UNTIL THE FINAL GROUND COVER HAS BEEN ESTABLISHED.

F. REMOVE TEMPORARY EROSION/SEDIMENT CONTROL MEASURES AFTER SUBSTANTIAL RE-VEGETATION AND/OR PRIOR TO THE END OF THE

- B. WORK WITH CITY INSPECTORS TO MAKE WEEKLY INSPECTIONS/REPORTS OF THE CONDITION OF EROSION AND SEDIMENT CONTROL
- C. WORK WITH CITY INSPECTORS TO MAKE INSPECTIONS/REPORTS OF THE CONDITION OF EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24 HOURS OF EVERY RAINFALL EVENT EXCEEDING ONE-HALF INCH. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

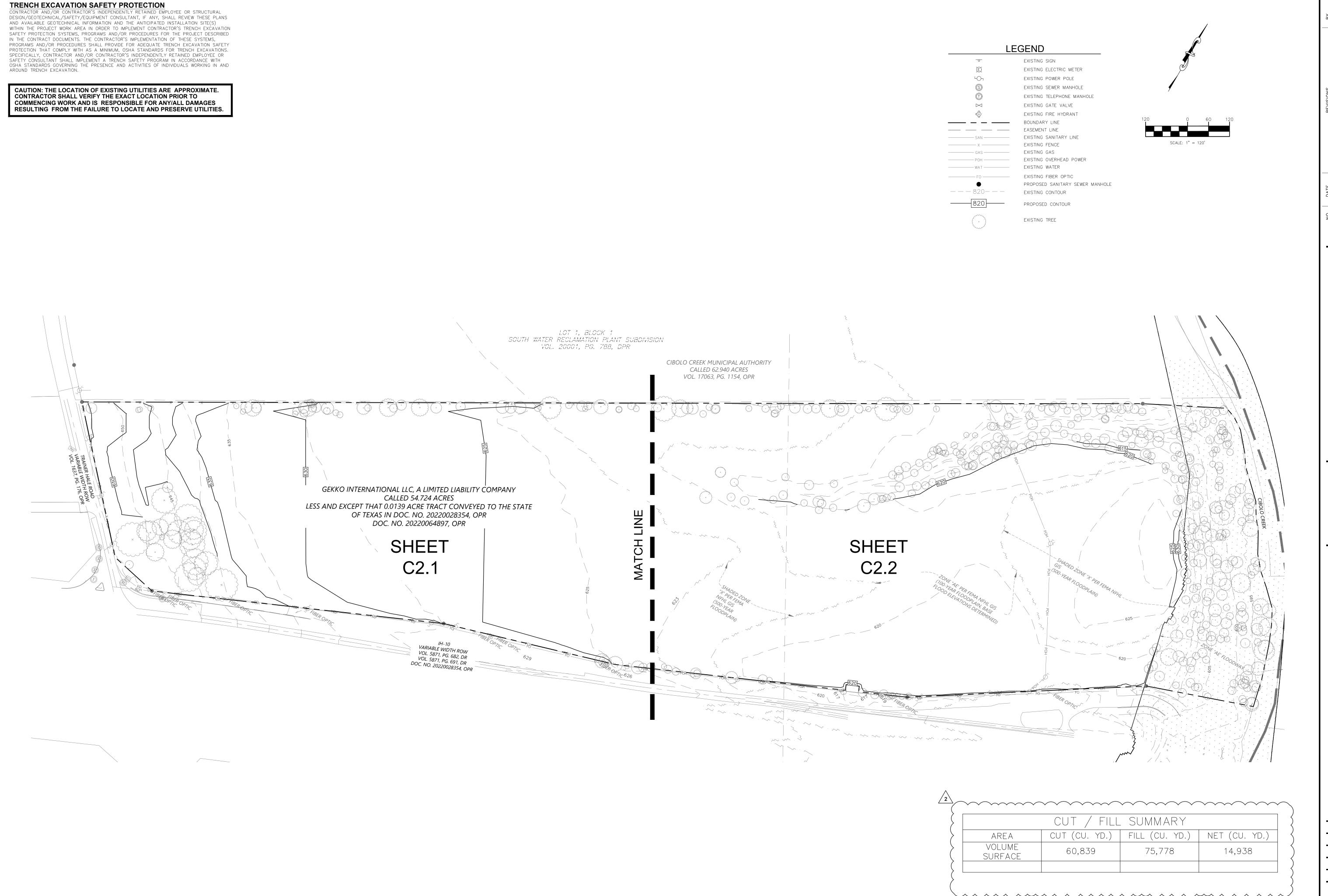
ADD EROSION AND SEDIMENT CONTROL MEASURES AS SITE CONDITIONS CHANGE.

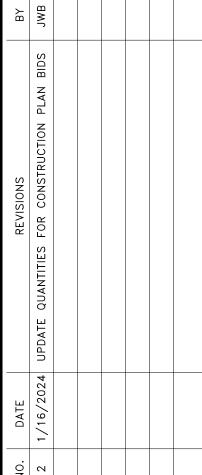
PERMIT EXPIRATION.

CLEARING & GRADING

ENGINEERING AND PUBLIC WORKS

CHECKED:

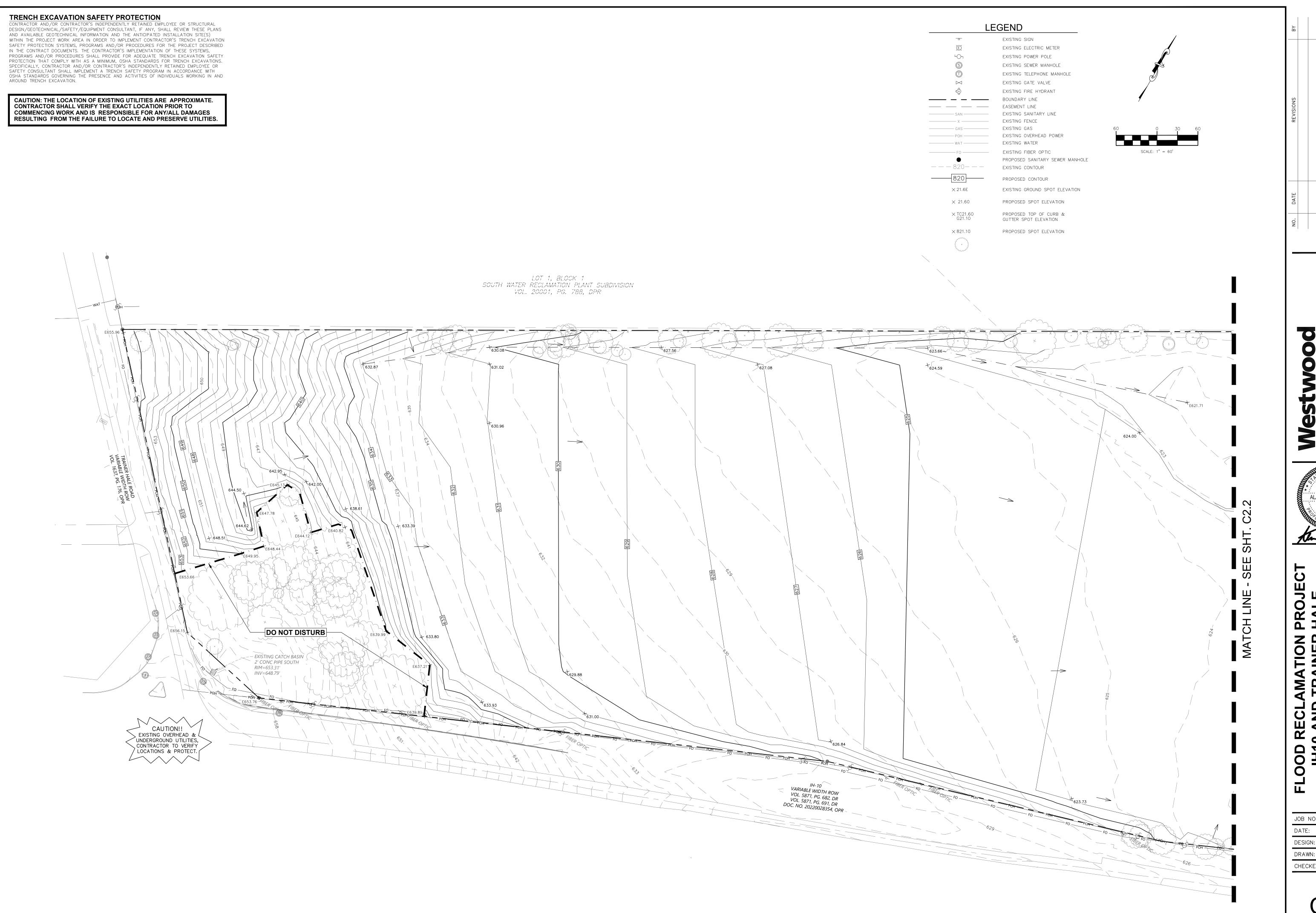






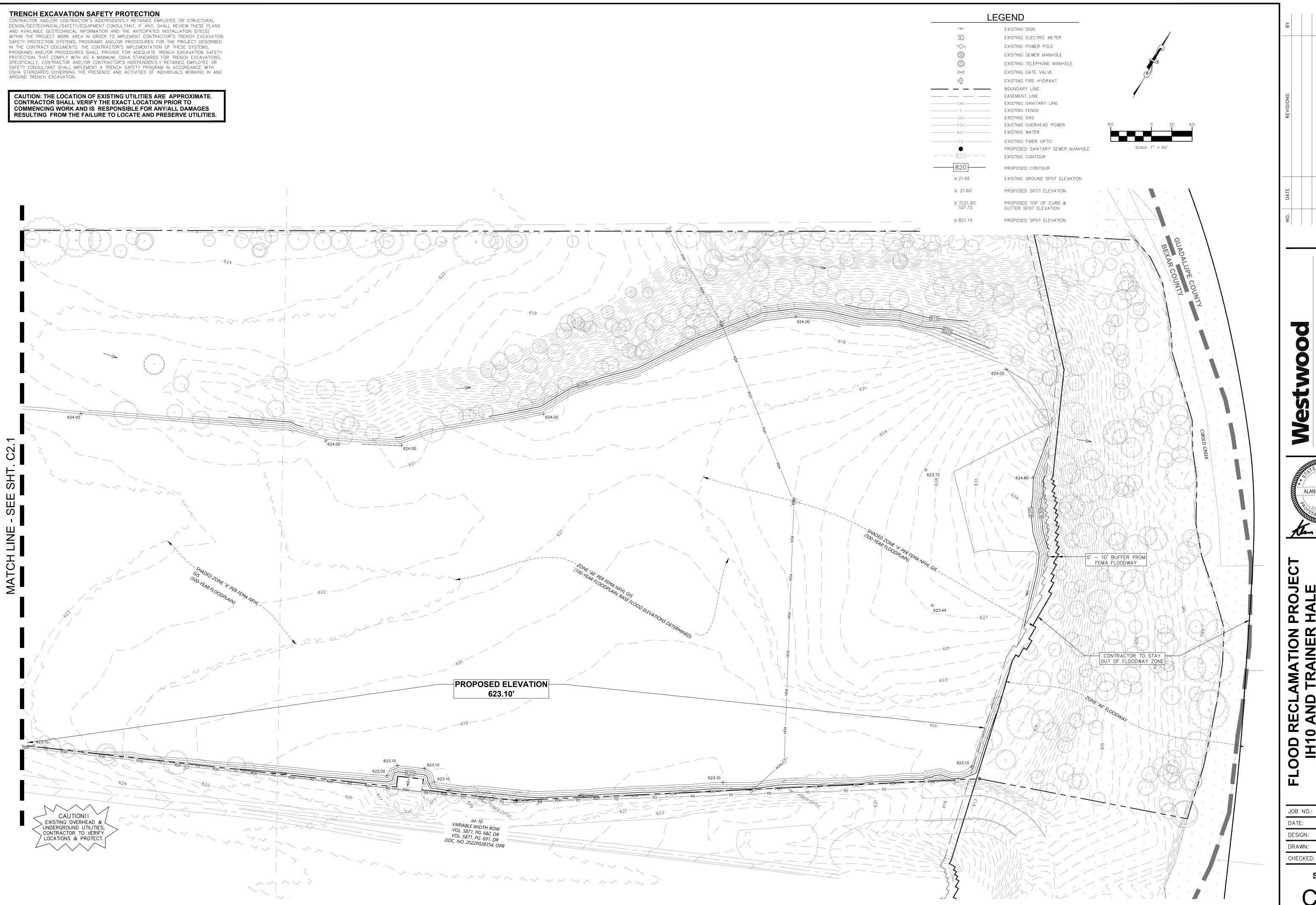


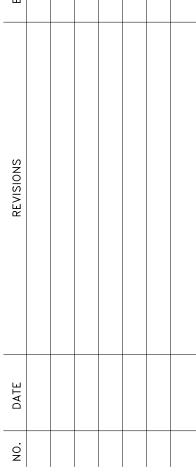
JOB NO.:	0044013.01
DATE:	08/17/2023
DESIGN:	BP
DRAWN:	JP
CHECKED:	DAD





0044013.01 JOB NO.: CHECKED:

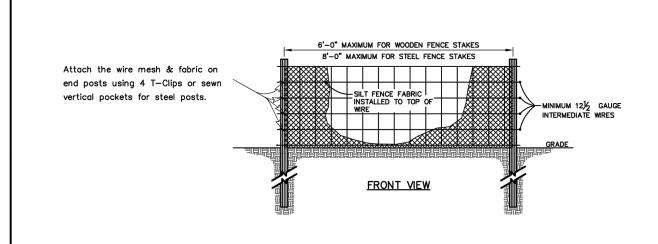


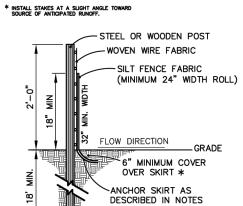




0044013.01

CAUTION: THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO COMMENCING WORK AND IS RESPONSIBLE FOR ANY/ALL DAMAGES RESULTING FROM THE FAILURE TO LOCATE AND PRESERVE UTILITIES.





SIDE VIEW

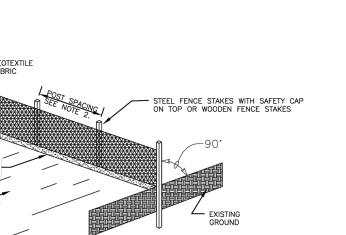
BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE. THE TRENCH MUST BE A MINIMUM OF 6" DEEP AND 6" WIDE. {WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAYEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3" OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.} . STEEL STAKES MAXIMUM OF 8' APART, IMBEDDED A MINIMUM OF 18' INTO GROUND LENGTH OF STAKES AS REQUIRED FOR MINIMUM OF 18" BURY AND FULL HEIGHT O TRENCH THE TOE OF THE FENCE LINES SO THE DOWNWARD FACE OF THE TRENCHES

IS FLAT AND PERPENDICULAR TO DIRECTION OF FLOW.

4. SECURELY FASTEN FILTER FABRIC MATERIAL TO WIRE FENCE WITH TIE WIRES AT SPACING OF 15" MINIMUM.

5. FILTER FABRIC SHALL HAVE A MINIMUM HEIGHT OF 18" AND A MAXIMUM OF 36" OF HEIGHT ABOVE NATURAL GROUND.

TRENCH IN TOE OF FILTER FABRIC SO THAT THE DOWNWARD FACE OF TRENCH IS FLAT AND PERPENDICULAR TO THE DIRECTION OF FLOW, 4" MINIMUM AGAINST TRENCH WALL AND 2" MINIMUM AGAINST TRENCH FLOOR, . CONNECT SUCCESSIVE REINFORCEMENT SHEETS/ROLLS A MINIMUM OF 6 TIMES WITH REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ON-THIRD HEIGHT OF BARRIER OR

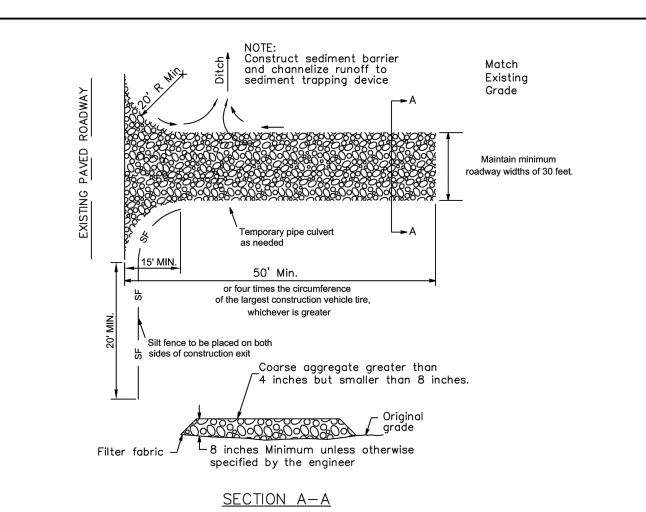


9. REMOVE SILT FENCING ONCE FINAL STABILIZATION IS ESTABLISHED.

COMMUNITY* SERVICE * OPPORTUNITY

STANDARD DETAIL 01570.2

SILT FENCE **TECHNICAL SPECIFICATION SECTION 01570** ENGINEERING AND PUBLIC WORKS SCALE: N.T.S. DATE: 07/02/20



1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP

2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. 3. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO

PUBLIC RIGHT-OF-WAY. 4. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN A STABILIZED AREA THAT DRAINS INTO AN

APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. 5. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY

USING APPROVED METHODS. 6. PLACE GEOTEXTILE FABRIC AS A PERMEABLE SEPERATOR TO PREVENT MIXING OF COARSE AGGREGATE

AND UNDERLYING SOIL 7. REUSABLE TRACKOUT CONTROL SYSTEMS ARE ENCOURAGED. INCLUDE TRACKOUT CONTROL SYSTEMS

WITH CLEARING AND GRADING PERMIT SUBMITTAL.

COMMUNITY*SERVICE*OPPORTUNITY ENGINEERING AND PUBLIC WORKS | SCALE: N.T.S. | DSGN. BY: ENG | DRAWN

STANDARD DETAIL 01575.1

STABILIZED CONSTRUCTION EXIT **TECHNICAL SPECIFICATION SECTION 01575** DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION. 2. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN 3. STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED IN THE SWPPP DOCUMENTS AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.

EROSION CONTROL NOTES

LOT 1, BLOCK 1

SOUTH WATER RECLAMATION PLANT SUBDIVISION

VOL. 20001, PG. 788, DPR

25 LF

SILT FENCE

ROCK BERM

INLET PROTECTION

CONCRETE WASH OUT PIT

EQUIPMENT STAGING AREA

DISTURBED AREA

±40.16 ACRES

STABILIZED CONSTRUCTION ENTRANCE/EXIT

 \Diamond

DESCRIPTIÓN

ESTIMATED SEDIMENTATION AND EROSION CONTROL QUANTITIES

LATH & FLAGGING-

 \circ

 \circ

PLAN VIEW

TYPE: "BELOW GRADE"

SECTION A-A

PLASTIC

CONCRETE WASH OUT PIT

EQUIPMENT STAGING AREA

NOTE: ACTUAL LAYOUT DETERMINED IN FIELD, SHOULD BE PLACED IN THE

PROXIMITY OF THE CONSTRUCTION ENTRANCE/ EXIT AND NOT LOCATED NEAR WELL, FLOODPLAIN, OR OTHER POTENTIAL SOURCES OF CONTAMINATION.

> EQUIPMENT & VEHICLE STORAGE AND

MAINTENANCE AREA

L,, ,, ,, ,,

ON ALL SIDES

QUANTITY

6990

-TWO-STACKED 2X12 ROUGH

: "ABOVE GRADE

WOOD FRAME SECURELY-

FASTENED AROUND ENTIRE

PERIMETER WITH TWO STAKES SECTION B-B

WOOD FRAME

PLASTIC

LINING

PLAN VIEW

 RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY. 5. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.

6. STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORMWATER CONTROLS. REFER TO TPDES BOOK FOR THIS PROJECT FOR MORE INFORMATION/DETAILS.

CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY QUESTIONS REGARDING THE INTENT OF THIS PLAN. 10. CONTRACTOR IS REQUIRED TO FILE NOI'S (NOTICE OF INTENT) AND NOT'S (NOTICE OF TERMINATION) FOR THIS PROJECT. REFER TO TPDES FOR PROPER POSTING REQUIREMENTS AND DOCUMENTS.

11. A COPY OF THIS PLAN AND THE TPDES BOOK MUST REMAIN AT THE CONSTRUCTION SITE AT ALL TIMES.

12. BARE SOILS SHOULD BE HYDRO MULCHED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

13. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED WITH MULCH FOR TEMPORARY VEGETATIVE COVER. NO AREA SUBJECT TO EROSION SHALL BE LEFT DISTURBED AND UNSUITABLE FOR PERIODS LONGER THAN IS ABSOLUTELY NECESSARY TO CARRY OUT THAT PORTION OF THE CONSTRUCTION WORK, OR 1 WEEK AFTER SOIL HAS BEEN DISTURBED, WHICHEVER

SILT FENCE

── FLOW ARROWS

SCONTRACTOR TO PROVIDE A COPY OF THE SIGNED AND CERTIFIED CONSTRUCTION SITE NOTICE TO THE OPERATOR OF THE MUNICIPAL SEPARATE STORM SEWER SYSTEM RECEIVING THE DISCHARGE AT LEAST TWO DAYS PRIOR TO COMMENCING OF CONSTRUCTION ACTIVITY. 15. AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS. 16. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UP-GRADIENT AREAS.

17. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.

18. UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND FROSCOLA CONTRACTOR WEAKING SPECIAL ACTIVATION, TO ROOK PERMIC AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS

HYDRAULIC MULCH

-GRATE DRAIN

-SAND BAGS w/

GRAVEL FILLER

OVERFLOW

WASHED PEA

CURB INLET FILTER NOTES:

GRATE INLET FILTER NOTES:

MISSING.

WASHED PEA

GRAVEL FILLER

BAGGED GRAVEL INLET FILTER

15' MIN.

BERMUDA SOD

- VEGETATIVE FILTER STRIP

20% MAX. SLOPE

4" TOPSOIL

ANTALARARA RANKA RANKA RANKA RANKA RANKA RANKA RANKA

SECTION A-A

VEGETATIVE FILTER STRIP

1. GRAVEL FILTERS CAN BE USED ON PAVEMENT OR BARE GROUND

REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES. REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE

4. INSPECT FILTER FABRIC AND PATCH OR REPLACE IF TORN OR

1. GRAVEL FILTERS CAN BE USED ON PAVEMENT OR BARE GROUND

AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

10,

REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES.

REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA

3. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE

4. INSPECT FILTER FABRIC AND PATCH OR REPLACE IF TORN OR

CIBOLO CREEK MUNICIPAL AUTHORITY

CALLED 62.940 ACRES

VOL. 17063, PG. 1154, OPR

GEKKO INTERNATIONAL LESA LIMITED

LIABILITY COMPANY CALLED 54.724 ACRES ESS AND EXCEPT THAT 0.0139 ACRE TRACT CONVEYED TO THE STATE OF TEXES IN DOC.

NÒ. 20220028354, OPR

DOC. NO. 20220064897, OPR

VARIABLE WIDTH ROW

VOL. 5871, PG. 682, DR

VOL. 5871, PG. 691, DR

DOC. NO. 20220028354, OPR

MATERIALS: HYDRAULIC MULCHES: WOOD FIBER MULCH CAN BE APPLIED ALONE OR AS A COMPONENT OF HYDRAULIC MATRICES. WOOD FIBER APPLIED ALONE IS TYPICALLY APPLIED AT THE RATE OF 2,000 TO 4,000 LB/ACRE. WOOD FIBER MULCH IS MANUFACTURED FROM WOOD OR WOOD WASTE FROM LUMBER MILLS OR FROM

HYDRAULIC MATRICES: HYDRAULIC MATRICES INCLUDE A MIXTURE OF WOOD FIBER AND ACRYLIC POLYMER OR OTHER TACKIFIER AS BINDER. APPLY AS A LIQUID SLURRY USING A HYDRAULIC APPLICATION MACHINE (I.E., HYDRO SEEDER) AT THE FOLLOWING MINIMUM RATES, OR AS SPECIFIED BY THE MANUFACTURER TO ACHIEVE COMPLETE COVERAGE OF THE TARGET AREA: 2,000 TO 4,000 LB/ACRE WOOD FIBER MULCH, AND 5 TO 10% (BY WEIGHT) OF TACKIFIER (ACRYLIC COPOLYMER, GUAR, PSYLLIUM, ETC.)

BONDED FIBER MATRIX: BONDED FIBER MATRIX (BFM) IS A HYDRAULICALLY APPLIED SYSTEM OF FIBERS AND ADHESIVES THAT UPON DRYING FORMS AN EROSION RESISTANT BLANKET THAT PROMOTES VEGETATION, AND PREVENTS SOIL EROSION. BFMS ARE TYPICALLY APPLIED AT RATES FROM 3,000 LB/ACRE TO 4,000 LB/ACRE BASED ON THE MANUFACTURER'S RECOMMENDATION. A
BIODEGRADABLE BFM IS COMPOSED OF MATERIALS THAT ARE 100%
BIODEGRADABLE. THE BINDER IN THE BFM SHOULD ALSO BE BIODEGRADABLE AND
SHOULD NOT DISSOLVE OR DISPERSE UPON RE-WETTING. TYPICALLY,
BIODEGRADABLE BFMS SHOULD NOT BE APPLIED IMMEDIATELY BEFORE, DURING OR
IMMEDIATELY AFTER RAINFALL IF THE SOIL IS SATURATED. DEPENDING ON THE
PRODUCT, BFMS TYPICALLY REQUIRE 12 TO 24 HOURS TO DRY AND BECOME
FFFFCTIVE

 PRIOR TO APPLICATION, ROUGHEN EMBANKMENT AND FILL AREAS BY ROLLING WITH A CRIMPING OR PUNCHING TYPE ROLLER OR BY TRACK WALKING. 2. TO BE EFFECTIVE, HYDRAULIC MATRICES REQUIRE 24 HOURS TO DRY BEFORE

-PARKING AREA

INSPECTION AND MAINTENANCE GUIDELINES: EVENT TO LOCATE AND REPAIR ANY DAMAGE.

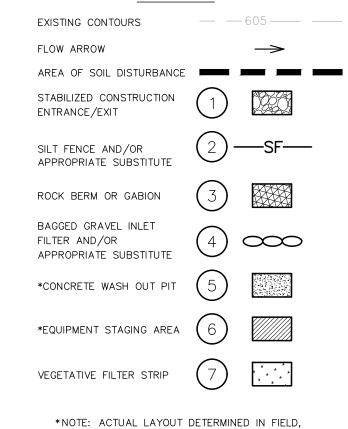
2. AREAS DAMAGED BY STORMS OR NORMAL CONSTRUCTION ACTIVITIES SHOULD BE REGRADED AND HYDRAULIC MULCH REAPPLIED AS SOON AS PRACTICAL.

TRACK WALKING SHALL ONLY BE USED WHERE OTHER METHODS ARE RAINFALL OCCURS.

3. AVOID MULCH OVER SPRAY ONTO ROADS, SIDEWALKS, DRAINAGE CHANNELS, EXISTING VEGETATION, ETC. 4. 4" OF TOP SOIL SHALL BE PLACED.

. MULCHED AREAS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAIN

LEGEND



SEQUENCE OF CONSTRUCTION:

1. OBTAIN CITY APPROVED SITE PREPARATION PLANS, AND TPDES PERMIT (NOT A COPY OF THE TPDES APPLICATION TO TCEQ), IF APPLICABLE.

SHOULD BE PLACED IN THE PROXIMITY OF THE

LOCATED NEAR A WELL, FLOODPLAIN, OR OTHER

CONSTRUCTION ENTRANCE / EXIT AND NOT

POTENTIAL SOURCES OF CONTAMINATION.

- 2. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS.
- 3. BEGIN DEMOLITION ACTIVITIES, IF APPLICABLE.
- 4. BEGIN SITE CLEARING AND GRADING. 5. RESTORE AND REVEGETATE ALL DISTURBED AREAS NOT UNDER IMPERMEABLE
- IMPROVEMENTS. COMPLETE ANY REMAINING "PUNCH LIST" ITEMS
- 7. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROLS AFTER PERMANENT STABILIZATION IS AT LEAST 70% EVENLY ESTABLISHED. RYE IS NOT ACCEPTED. THE SITE WILL BE PERMANENTLY STABILIZED WHEN ALL IMPROVEMENTS ARE CONSTRUCTED PER THE DESIGN PLANS WHICH INCLUDES PAVEMENT, BUILDING, AND OTHER LANDSCAPE IMPROVEMENTS PER LANDSCAPE PLANS. ALL PERVIOUS SURFACES TO BE SOD OR OTHER PERVIOUS IMPROVEMENTS PER LANDSCAPE PLAN.

EROSION CONTROL NOTES:

- 1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
- 2. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE
- 3. STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED IN THE SWPPP DOCUMENTS AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
- 5. RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
- 6. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.

7. STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN

- THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY. 8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORMWATER CONTROLS.
- 9. REFER TO TPDES BOOK FOR THIS PROJECT FOR MORE INFORMATION/DETAILS.
- 10. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY QUESTIONS REGARDING THE INTENT OF THIS PLAN. 11. CONTRACTOR IS REQUIRED TO FILE NOI'S (NOTICE OF INTENT) AND NOT'S (NOTICE OF TERMINATION) FOR THIS PROJECT. REFER TO TPDES FOR PROPER POSTING
- REQUIREMENTS AND DOCUMENTS. 12. A COPY OF THIS PLAN AND THE TPDES BOOK MUST REMAIN AT THE CONSTRUCTION
- 13. BARE SOILS SHOULD BE HYDRO MULCHED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE
- 14. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED WITH MULCH FOR TEMPORARY VEGETATIVE COVER. NO AREA SUBJECT TO EROSION SHALL BE
- LEFT DISTURBED AND UNSUITABLE FOR PERIODS LONGER THAN IS ABSOLUTELY NECESSARY TO CARRY OUT THAT PORTION OF THE CONSTRUCTION WORK, OR 1 WEEK AFTER SOIL HAS BEEN DISTURBED, WHICHEVER IS LESS. 15. CONTRACTOR TO PROVIDE A COPY OF THE SIGNED AND CERTIFIED CONSTRUCTION SITE NOTICE TO THE OPERATOR OF THE MUNICIPAL SEPARATE STORM SEWER SYSTEM RECEIVING THE DISCHARGE AT LEAST TWO DAYS PRIOR TO COMMENCING OF
- CONSTRUCTION ACTIVITY.
- 16. AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
- 17. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UP-GRADIENT AREAS. 18. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED
- FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.

19. UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE

> SEDIMENTATION AND EROSION CONTROLS SHOWN ARE SCHEMATIC ONLY, CONTROLS MAY BE FIELD LOCATED FOR BEST USE AND REPORTED TO ENGINEER. ADJUSTMENTS SHALL BE INDICATED ON PLAN BY CONTRACTOR.

ALAN L. STANTON

JOB NO.: 0044013.0 08/17/2023 DRAWN: CHECKED:

JOB NO.:	0044013.01
DATE:	08/17/2023
DESIGN:	ВР
DRAWN:	JP
CHECKED:	DAD

SHEET

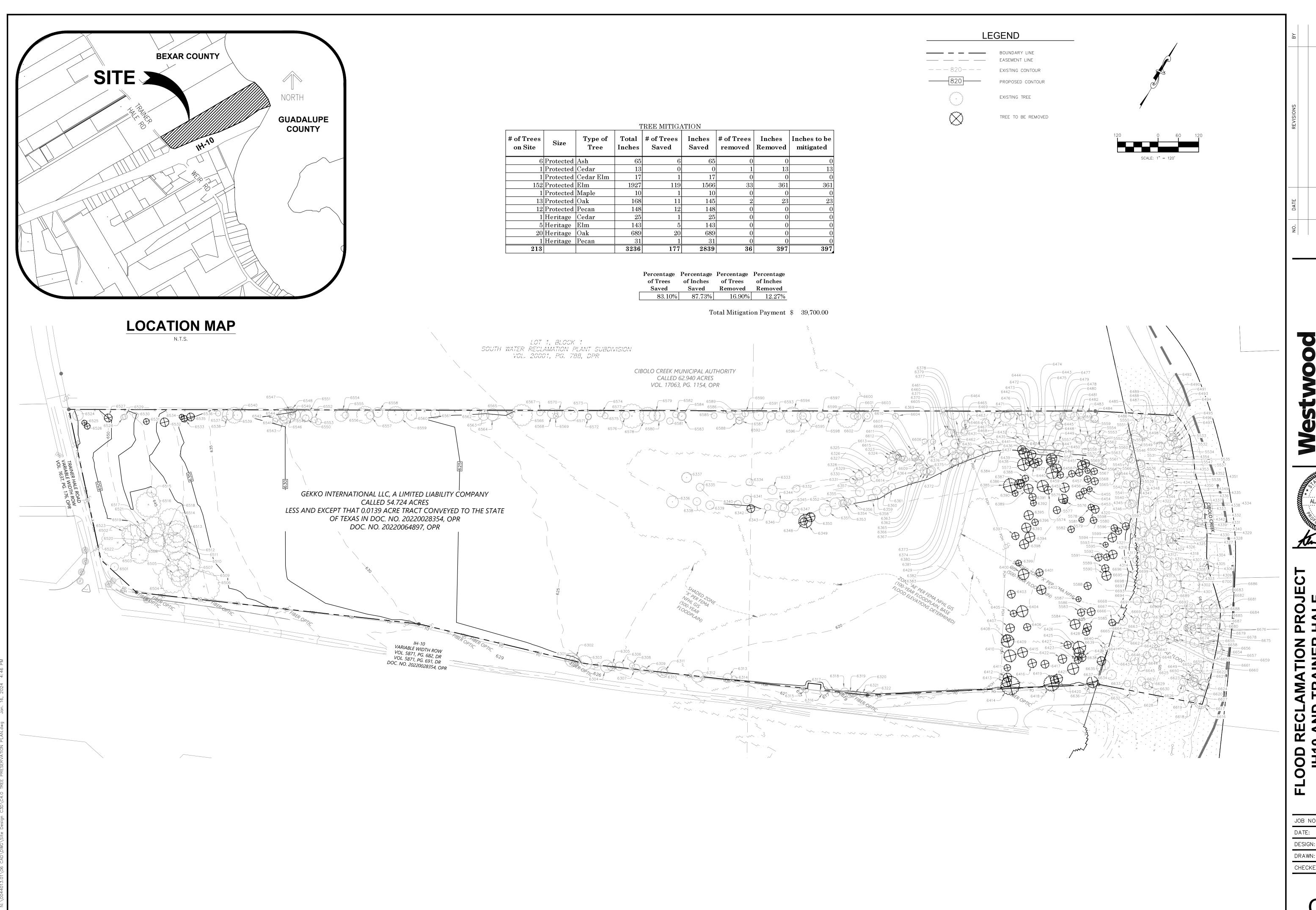
	SOIL STABILIZATION PRACTICES:
54.724 ACRES LESS AND EXCEPT THAT 0.0139 ACRE TRACT CONVEYED TO THE STATE OF TEXAS IN DOC.	
NO. 20220028354, OPR DOC. NO. 20220064897, OPR.	TEMPORARY SEEDING Y DEPMANENT BLANTING CORDING OF CEEDING
	X PERMANENT PLANTING, SODDING, OR SEEDING X MULCHING
	SOIL RETENTION BLANKET
	X BUFFER ZONES
	X preservative of natural resources
PROJECT DESCRIPTION:	
PROPERTY RECLAMATION FROM FLOOD PLAIN.	OTHER:
	STRUCTURAL PRACTICES:
	X SILT FENCES / SEDIMENT CONTROL ROLLS
	——— HAY BALES ————————————————————————————————————
MAJOR SOIL DISTURBING ACTIVITIES:	X DIVERSION , INTERCEPTOR, OR PERIMETER DIKES
	X DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
ACTIVITIES ASSOCIATED WITH EARTHWORK INVOLVING FILL AND EXCAVATION.	DIVERSION DIKE AND SWALE COMBINATIONS
	PIPE SLOPE DRAINS
	PAVED FLUMES
	ROCK BEDDING AT CONSTRUCTION EXIT
	TIMBER MATTING AT CONSTRUCTION EXIT CHANNEL LINERS
	CHANNEL LINERS SEDIMENT TRAPS
	SEDIMENT BASINS
	STORM INLET SEDIMENT TRAP
	STONE OUTLET STRUCTURES
	XCURBS AND GUTTERS
	STORM SEWERS VELOCITY CONTROL DEVICES
	VELOCITI CONTROL DEVICES
	OTHER: PLACE EXCAVATION ON HIGH SIDE OF TRENCH.
	OTHER: PLACE EXCAVATION ON HIGH SIDE OF TRENCH.
	NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:
	TEMPORARY REST. MANAGEMENT REACTIONS A MEASURES (TRUR'S) AS ARRIVARIES WILL BE
	TEMPORARY BEST MANAGEMENT PRACTICES & MEASURES (TBMP'S), AS APPLICABLE, WILL BE INSTALLED PRIOR TO EACH PHASE OF THE PROJECT AND WILL BE MAINTAINED THROUGHOUT THE
	CONSTRUCTION OF THAT PHASE.
	SOIL STABILIZATION PRACTICES WILL CLOSELY FOLLOW COMPLETION AND ACCEPTANCE OF
	CONSTRUCTION FOR EACH PROJECT PHASE.
FOTAL PROJECT AREA:±54.72 AC	ANTICIPATED SEQUENCE OF MAJOR DISTURBING ACTIVITIES:
TOTAL ADEA TO DE DISTURDED +40.16 AC	CONSTRUCTION ENTRANCE / INSTALLATION OF TBMP'S
OTAL AREA TO BE DISTURBED: _±40.16 AC.	GRUBBING & CLEARING (INCLUDING THE REMOVAL OF TREES)
	EXCAVATION / GRADING / FILL
WEIGHTED RUNOFF COEFFICIENT	ESTABLISH VEGETATIVE COVER FOR DISTURBED AREAS PER SPECIFICATIONS REMOVE TBMP'S
(AFTER CONSTRUCTION):	TENIOVE IDNIE S
EXISTING CONDITION OF SOIL & VEGETATIVE	
COVER AND % OF EXISTING VEGETATIVE COVER:	
THE SOIL TYPE(S) ON SITE ARE AS FOLLOWS: PREDOMINANTLY "TYPE C" WITH GENERALLY LOW INFILTRATION (MODERATE RATE OF WATER TRANSMISSION).	
VEGETATIVE LOW AND 50-75% GRASSES AND OTHER VEGETATION.	
	STORM WATER MANAGEMENT:
NAME OF RECEIVING WATERS: CIBOLO CREEK	THE CONTRACTOR WILL INSTALL AND MAINTAIN SEDIMENTATION AND EROSION CONTROL MEASURES AS
NAME OF RECEIVING WATERS:CIBOLO CREEK	SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN, TEMPORARY SEDIMENTATION &
	EROSION CONTROL PLAN, AND AS DIRECTED BY AUTHORIZED OFFICIALS/ENGINEER.
	CONTRACTOR TO STABILIZE DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES WILL BE
	TEMPORARILY STOPPED OR CONSTRUCTION BECOMES INACTIVE (FOR MORE THAN 30 DAYS)
	WITHIN 7 DAYS OF LAST CONSTRUCTION ACTIVITY.
	ACUITOUL FILL COLONIO LUIS DITEUTES TO DITEUTES TO DITEUTES
	CONTROL FILL, GRADING AND DITCHES TO DIRECT WATER AWAY FROM CONSTRUCTION AREAS AND INTO PROPER RUNOFF COURSES. ALL EQUIPMENT REQUIRED TO MITIGATE DAMAGING SURFACE
	WATER RUNOFF SHALL BE AT CONTRACTOR EXPENSE.

OTHER EROSION AND SEDIMENT CONTROLS: MAINTENANCE: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT INSPECTION: _ AN INSPECTION WILL BE PERFORMED BY THE CONTRACTOR: A. NO LATER THAN 7 DAYS AFTER RAINFALL EVENT B. WITHIN 24 HRS AFTER EVERY HALF INCH OR MORE OF RAIN (AS RECORDED ON A NON-FREEZING RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). CONTROLS WILL BE REPAIRED, REPLACED, AND/OR REVISED AS NECESSARY. WASTE MATERIALS: __ ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION, AND THE TRASH WILL BE HAULED TO A LOCAL DUMP. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE. PRVENT WATER FROM ENTERING WASTE COLLECTION AREAS. HAZARDOUS WASTE (INCLUDING SPILL REPORTING): AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES ARE CONSIDERED TO BE HAZARDOUS: PAINTS, ACIDS FOR CLEANING MASONRY SUPPLIES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SOIL STABILIZATION, OR CONCRETE CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE SPILL COORDINATOR SHOULD BE CONTACTED IMMEDIATELY SANITARY WASTE: ___ ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR OFF SITE VEHICLE TRACKING: _____ HAUL ROADS DAMPENED FOR DUST CONTROL X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN X EXCESS DIRT ON ROAD REMOVED DAILY X STABILIZED CONSTRUCTION ENTRANCE REMARKS:__ DO NOT LOCATE DISPOSAL AREAS, STOCKPILES, OR HAUL ROADS IN ANY BODY OF WATER OR STREAM WITHOUT WRITTEN CONSENT OR APPROVAL OF APPROPRIATE AGENCY AND/OR ENGINEER. OWNER'S CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SIGNATURE (OWNER/AUTHORIZED AGENT)

CONTRACTOR'S CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED

AS PART OF THIS CERTIFICATION PLAN.

SIGNATURE (CONTRACTOR)



EE PRESERVATION PLAN

JOB NO.: 0044013.01

DATE: 08/17/2023

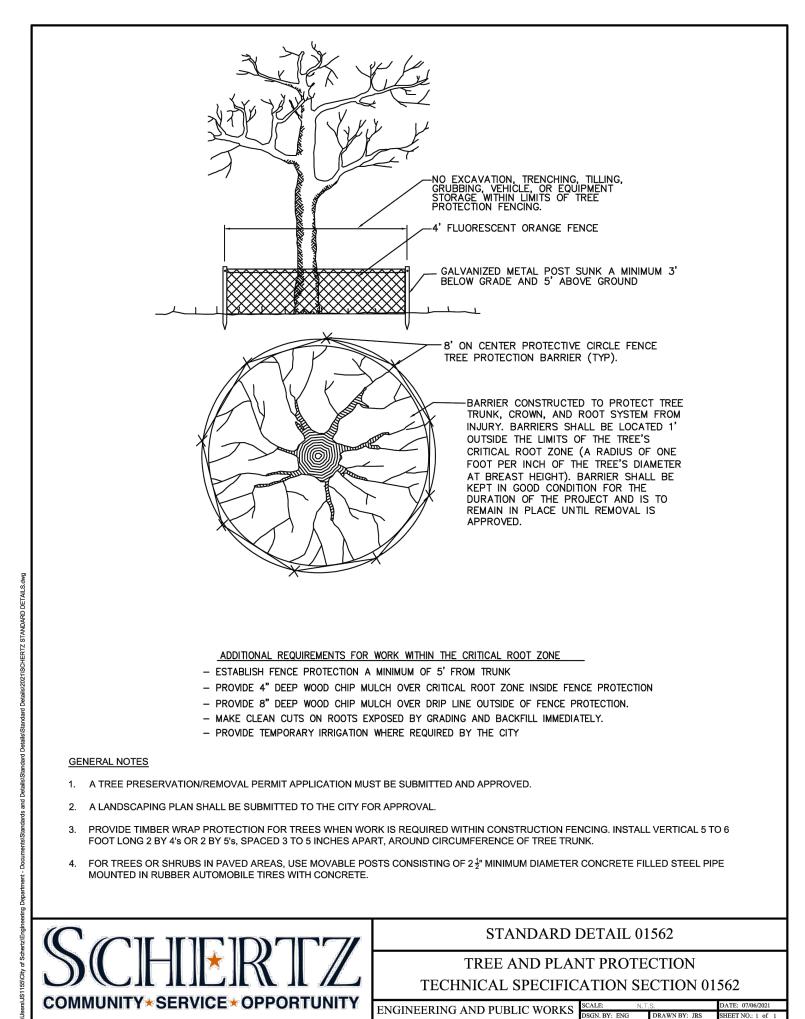
DESIGN: BP

DRAWN: JP

CHECKED: DAD

SHEET

C4.0



	Туре	Species	DBH	Evomet	REMOVE Mitigate	Ronlass	PRESERVE
641	Heritage	Cedar	25	Exempt	Mitigate	Replace	25
641 302	Heritage Heritage	Elm	25 28				25
319	Heritage	Elm	27				27
321	Heritage	Elm	25				25
339	Heritage	Elm	36				36
343	Heritage	Elm	27				27
330 414	Heritage	Mesquite	24	20			24
5414 5539	Heritage Heritage	Mesquite Mesquite	28 24	28			24
539 545	Heritage	Mesquite	24				24
556	Heritage	Mesquite	26				26
559	Heritage	Mesquite	25				25
566	Heritage	Mesquite	32			_	32
577	Heritage	Mesquite	36				36
5578	Heritage	Mesquite	25				25
5594	Heritage	Mesquite	26				26
5599	Heritage	Mesquite	34				34
653	Heritage	Mesquite	30 28				30
679 680	Heritage Heritage	Mesquite Mesquite	<u>28</u> 				28
682	Heritage	Mesquite	24				24
502	Heritage	Oak	49				49
503	Heritage	Oak	26				26
504	Heritage	Oak	42				42
505	Heritage	Oak	26				26
506	Heritage	Oak	47			_ _	47
507	Heritage	Oak	34				34
508	Heritage	Oak	33				33
509	Heritage	Oak	38				38
510 511	Heritage	Oak Oak	37 31				37 31
511 512	Heritage Heritage	Oak	40				40
513	Heritage	Oak	28				28
513 514	Heritage	Oak	40				40
516	Heritage	Oak	37				37
	Heritage	Oak	33				33
	Heritage	Oak	34				34
	Heritage	Oak	27				27
521	Heritage	Oak	24				24
522 523	Heritage	Oak	34 29				34 29
1523 1486	Heritage Heritage	Oak Pecan					31
	Protected	Ash	11				11
	Protected	Ash	13				13
	Protected	Ash	13				13
	Protected	Ash	10				10
	Protected	Ash	10				10
612	Protected	Ash	8				8
	Protected	Cedar	13		13		
642	Protected	Cedar Elm	17				17
334 570	Protected Protected	Chinaberry Chinaberry	11 12				11 12
301	Protected	Elm	18				18
303	Protected	Elm	10				10
	Protected	Elm	17				17
305	Protected	Elm	18				18
306	Protected	Elm	13				13
307	Protected	Elm	17				17
	Protected	Elm	14				14
311	Protected	Elm	17				17
	Protected Protected	Elm Elm	<u>11</u> 9				11 9
316 320	Protected	Elm	9 15				15
320 325	Protected	Elm	11				11
326	Protected	Elm	9				9
327	Protected	Elm	15				15
328	Protected	Elm	12				12
329	Protected	Elm	12			<u> </u>	12
331	Protected	Elm	12				12
	Protected	Elm	15				15
334	Protected	Elm	15				15
335	Protected Protected	Elm	15 17				15
336 337	Protected Protected	Elm Elm	17 15				17 15
	Protected	Elm	11				11
340	Protected	Elm	15				15
341	Protected	Elm	11				11
342	Protected	Elm	18				18
344	Protected	Elm	10				10
345	Protected	Elm	14				14
346	Protected	Elm	12				12
347	Protected	Elm	12				12
348	Protected	Elm	12				12
349 350	Protected	Elm	12				12
350 351	Protected Protected	Elm	12				12
351 352	Protected Protected	Elm Elm	10 12				10
352 353	Protected	Elm	9				9
353 536	Protected	Elm	<u>9</u>				14
537	Protected	Elm	12				12
538	Protected	Elm	21				21
539	Protected	Elm	11				11
	Protected	Elm	12				12
541	Protected	Elm	10				10
542	Protected	Elm	12				12
	Protected	Elm	13				13

PT#	Туре	Species	DBH	REMOVE	PRESE	RVE	PT# Type	Species	DBH	REMOVE		PT#	Туре	Species	DBH	- Free manual	REMOVE	Davilage	PRESERVE	PT# Type	Species	DBH	- Free mant	
5545	Protected	Elm	9	Exempt Mitigate	Replace 9		6691 Protected	Elm	13	Exempt Mitigate	Replace 13	6462	Protected	Hackberry	18	Exempt	Mitigate	Replace	18	6393 Protected	Mesquite	14	Exempt 14	
	Protected Protected	Elm Elm	8		8		6692 Protected 6693 Protected	Elm Elm	18 12		18		Protected Protected	Hackberry Hackberry	13 10				13 10	6394 Protected 6397 Protected	Mesquite Mesquite	15 11	15 11	+
5548	Protected	Elm	17		17		6694 Protected	Elm	12		12	6466	Protected	Hackberry	11				11	6398 Protected	Mesquite	14	14	I
	Protected Protected	Elm Elm	23 8		23	}	6695 Protected	Elm Elm	8 12		8 12		Protected Protected	Hackberry Hackberry	10 17				10 17	6401 Protected 6404 Protected	Mesquite Mesquite	11 17	11 17	+
	Protected	Elm	11		11		6698 Protected	Elm	9		9	6469	Protected	Hackberry	15				15	6415 Protected	Mesquite	15	15	Ŧ
5552 5553	Protected Protected	Elm	16 14		16 14		4354 Protected 4309 Protected	Hack Hackberry	10 19		10 19		Protected Protected	Hackberry Hackberry	11 10				11 10	6417 Protected 6418 Protected	Mesquite Mesquite	12 23	12 23	\pm
5554 5555	Protected Protected	Elm Elm	17 9		17		4310 Protected 4312 Protected	Hackberry Hackberry	13 15		13 15		Protected Protected	Hackberry Hackberry	11 10				11 10	6419 Protected 6420 Protected	Mesquite Mesquite	12 14	12 14	+
	Protected	Elm	15		15		4322 Protected	Hackberry	11		11		Protected	Hackberry	16				16	6421 Protected	Mesquite	17	17	\pm
5558 5559	Protected Protected	Elm Elm	9 20		9 20)	4323 Protected 4324 Protected	Hackberry Hackberry	16 19		16 19		Protected Protected	Hackberry Hackberry	11 11				11 11	6422 Protected 6423 Protected	Mesquite Mesquite	13 11	13 11	+
5560	Protected	Elm	16		16	5	5571 Protected	Hackberry	13		13	6489	Protected	Hackberry	10				10	6424 Protected	Mesquite	12	12	\perp
	Protected Protected	Elm	11 16		11 16		6323 Protected 6324 Protected	Hackberry Hackberry	12 12		12		Protected Protected	Hackberry Hackberry	11 12				11 12	6429 Protected 6437 Protected	Mesquite Mesquite	11 16	16	+
	Protected	Elm	8		8		6325 Protected	Hackberry	13		13	6520	Protected	Hackberry	8	0			8	6446 Protected	Mesquite	13	<u> </u>	\perp
5565 5566	Protected Protected	Elm	8 11		11	-	6326 Protected 6327 Protected	Hackberry Hackberry	11 11		11 11		Protected Protected	Hackberry Hackberry	9	9				6448 Protected 6451 Protected	Mesquite Mesquite	13 10		+
5567 5568	Protected Protected	Elm Elm	10 8	10			6328 Protected 6329 Protected	Hackberry Hackberry	14 13		14		Protected Protected	Hackberry Hackberry	12 8	12			8	6452 Protected 6464 Protected	Mesquite Mesquite	14 10	14	+
5569	Protected	Elm	12	12			6330 Protected	Hackberry	13		13	6529	Protected	Hackberry	8				8	6475 Protected	Mesquite	16		#
	Protected Protected	Elm Elm	13 12	13			6331 Protected 6335 Protected	Hackberry Hackberry	12 12		12		Protected Protected	Hackberry Hackberry	9	9			9	6479 Protected 6480 Protected	Mesquite Mesquite	10 16		+
	Protected	Elm	8	8			6336 Protected	Hackberry	18		18	6532	Protected	Hackberry	13	13				6481 Protected	Mesquite	13	<u> </u>	#
	Protected Protected	Elm	9	9 10			6337 Protected 6338 Protected	Hackberry Hackberry	15 12		15 12		Protected Protected	Hackberry Hackberry	10 8	10 8				6482 Protected 6483 Protected	Mesquite Mesquite	14 13		
	Protected Protected	Elm Elm	8 11	8 11			6339 Protected 6341 Protected	Hackberry Hackberry	13 13		13 13		Protected Protected	Hackberry	12 8	12			8	6484 Protected 6524 Protected	Mesquite Mesquite	11 16		$+\overline{}$
5587	Protected	Elm	8	8			6342 Protected	Hackberry	12	12	15		Protected Protected	Hackberry Hackberry	8				8	6538 Protected	Mesquite	17		#
5589 5593	Protected Protected	Elm Elm	11 8	11 8			6343 Protected 6346 Protected	Hackberry Hackberry	10 11		10		Protected Protected	Hackberry Hackberry	8 10				8 10	6540 Protected 6544 Protected	Mesquite Mesquite	15 16		+
5596	Protected	Elm	10	10			6348 Protected	Hackberry	11	11		6543	Protected	Hackberry	11				11	6547 Protected	Mesquite	8		#
5597 5598	Protected Protected	Elm	10	11	10	,	6349 Protected 6350 Protected	Hackberry Hackberry	20 14	20 14			Protected Protected	Hackberry Hackberry	12 10				12 10	6548 Protected 6549 Protected	Mesquite Mesquite	12 15		+
	Protected Protected	Elm Elm	9	9			6351 Protected 6353 Protected	Hackberry			19	6552	Protected	· ·					9	6551 Protected 6554 Protected	Mesquite Mesquite	18 19		_
6399	Protected	Elm	9	9			6354 Protected	Hackberry Hackberry	11 10		11 10		Protected Protected	Hackberry Hackberry	9				9	6555 Protected	Mesquite	10		
	Protected Protected		16 14	16 14			6355 Protected 6356 Protected	Hackberry Hackberry	11 11		11 11		Protected Protected	Hackberry Hackberry	9 17				9 17	6557 Protected 6558 Protected	Mesquite Mesquite	12 15		+
6405	Protected	Elm	10	10			6357 Protected	Hackberry	14		14	6581	Protected	Hackberry	10				10	6560 Protected	Mesquite	16		
	Protected Protected	Elm Elm	11 19	11 19			6359 Protected 6360 Protected	Hackberry Hackberry	13 11		13		Protected Protected	Hackberry Hackberry	13 9				13 9	6561 Protected 6562 Protected	Mesquite Mesquite	14 19		+
	Protected		15	15			6361 Protected	Hackberry	11		11	6587	Protected	Hackberry	11				11	6563 Protected	Mesquite	16		ļ
	Protected Protected		19 11	19 11			6362 Protected 6363 Protected	Hackberry Hackberry	13 11		13 11		Protected Protected	Hackberry Hackberry	10 21				10 21	6564 Protected 6565 Protected	Mesquite Mesquite	18 10		+
	Protected Protected	Elm Elm	16 18		16		6364 Protected 6365 Protected	Hackberry Hackberry	11 11		11 11		Protected Protected	Hackberry Hackberry	10				10 16	6567 Protected 6568 Protected	Mesquite Mesquite	10 15		\perp
	Protected		11	11	10		6366 Protected	Hackberry	11		11		Protected	Hackberry	16 9				9	6569 Protected	Mesquite	8		#
	Protected Protected		9	9 8			6367 Protected 6368 Protected	Hackberry Hackberry	12 13		12		Protected Protected	Hackberry Hackberry	8				8	6571 Protected 6574 Protected	Mesquite Mesquite	21 11		+
	Protected		11	11			6369 Protected	Hackberry	14		14	6607	Protected	Hackberry	10				10	6575 Protected	Mesquite	9		1
	Protected Protected	Elm	10 11	10			6370 Protected 6371 Protected	Hackberry Hackberry	13 14		13 14		Protected Protected	Hackberry Hackberry	10 11				10 11	6576 Protected 6579 Protected	Mesquite Mesquite	12 17		
	Protected Protected	-	10 10	10	10	,	6372 Protected 6373 Protected	Hackberry Hackberry	20 10		20	6610	Protected	Hackberry	9				9 17	6582 Protected 6583 Protected	Mesquite Mesquite	10 13		\perp
6485	Protected	Elm	14		14		6374 Protected	Hackberry	11		11		Protected Protected	Hackberry Hackberry	17 9				9	6589 Protected	Mesquite	16		
	Protected Protected	Elm Elm	13 15		13 15		6375 Protected 6376 Protected	Hackberry Hackberry	11 10		11 10		Protected Protected	Hackberry Hackberry	11 11				11 11	6590 Protected 6591 Protected	Mesquite Mesquite	10 16		+
	Protected	Elm	11		11		6377 Protected	Hackberry	14		14	6621	Protected	Hackberry	13				13	6595 Protected	Mesquite	11	<u> </u>	Ŧ
	Protected Protected	Elm Elm	13 9		9)	6378 Protected 6379 Protected	Hackberry Hackberry	12 11		12 11		Protected Protected	Hackberry Hackberry	17 13				17 13	6597 Protected 6598 Protected	Mesquite Mesquite	12 8		
	Protected Protected		20 18		20		6380 Protected 6381 Protected	Hackberry Hackberry	18 11		18		Protected	Hackberry	13				13	6600 Protected 6634 Protected	Mesquite Mesquite	10 15		+
6618	Protected	Elm	12		12		6382 Protected	Hackberry	15		15	6645	Protected Protected	Hackberry Hackberry	14 12				14 12	6635 Protected	Mesquite	13		#
	Protected Protected	Elm Elm	11 15		11 15		6383 Protected 6384 Protected	Hackberry Hackberry	15 13		15 13		Protected Protected	Hackberry Hackberry	10 15				10 15	6636 Protected 6637 Protected	Mesquite Mesquite	17 15	17	+
6625	Protected	Elm	14		14		6385 Protected	Hackberry	21	21	_	6655	Protected	Hackberry	11				11	6638 Protected	Mesquite	13	13	#
6627	Protected Protected	+	12		12 12		6386 Protected 6387 Protected	Hackberry Hackberry	14 11	14 11			Protected Protected	Hackberry Hackberry	14 11				14 11	6639 Protected 6640 Protected	Mesquite Mesquite	12 12		
	Protected Protected	Elm Elm	10 13		10		6388 Protected 6389 Protected	Hackberry Hackberry	10 14	10 14		6684	Protected Protected	Hackberry Hackberry	12 10				12 10	6654 Protected 6665 Protected	Mesquite Mesquite	22 18		+
6646	Protected	Elm	11		11	-	6395 Protected	Hackberry	14	14		6700	Protected	Hackberry	22				22	6667 Protected	Mesquite	13		#
	Protected Protected		14 11		14		6396 Protected 6403 Protected	Hackberry Hackberry	10 12	10 12		_	Protected Protected	Maple Mesquite	10 10				10 10	6681 Protected 6696 Protected		20 15		+
6649	Protected Protected	Elm	18 20		18 20	3	6407 Protected 6408 Protected	Hackberry	13	13		4332	Protected	Mesquite	17				17	4313 Protected	Oak	19		+
6657	Protected	Elm	9		9		6410 Protected	Hackberry Hackberry	11 18	11 18			Protected Protected	Mesquite Mesquite	16 10				16 10	4318 Protected 6358 Protected	Oak Oak	16 11		
	Protected Protected		14 11		14			Hackberry Hackberry	10 13	10 13		5572	Protected Protected	Mesquite	19 17	17			19	6416 Protected 6515 Protected	Oak Oak	13 15		+
6660	Protected	Elm	15		15	,	6413 Protected	Hackberry	14	14		5575	Protected	Mesquite Mesquite	17	17				6629 Protected	Oak	12		#
	Protected Protected		14 17		14 17		6430 Protected 6431 Protected	Hackberry Hackberry	13 14		13 14		Protected Protected	Mesquite Mesquite	11 12	11 12				6630 Protected 6631 Protected	Oak Oak	11 13		+
6668	Protected Protected	Elm	10 11		10		6432 Protected	Hackberry	16		16	5582	Protected	Mesquite	10	10				6633 Protected	Oak	10	<u> </u>	#
6670	Protected	Elm	16		11 16			Hackberry Hackberry	13 16		13 16		Protected Protected	Mesquite Mesquite	15 12	15 12				6663 Protected 6664 Protected	Oak Oak	10 11		士
	Protected Protected	+	18 16		18		6435 Protected 6436 Protected	Hackberry Hackberry	11 13	13	11	5586	Protected	Mesquite	12	12				6666 Protected 6678 Protected	Oak Oak	10 17		+
6674	Protected	Elm	11		11		6438 Protected	Hackberry	18	18		5590	Protected Protected	Mesquite Mesquite	11 14	11 14				5531 Protected	Pecan	9		#
	Protected Protected		13 8		13 8	3	6439 Protected 6440 Protected	Hackberry Hackberry	12 13	12 13			Protected Protected	Mesquite Mesquite	11 10	11 10				5532 Protected 5533 Protected	Pecan Pecan	9 12		+
6677	Protected	Elm	11		11		6441 Protected	Hackberry	13	13		5595	Protected	Mesquite	13	13				5534 Protected	Pecan	10	<u> </u>	#
	Protected Protected		10 19		10 19		6442 Protected 6443 Protected	Hackberry Hackberry	13 10		13 10		Protected Protected	Mesquite Mesquite	10 11	10			11	6344 Protected 6345 Protected	Pecan Pecan	16 13		+
	Protected Protected		14 11		14		6444 Protected	Hackberry Hackberry	10	11	10	6333	Protected	Mesquite	14				14	6494 Protected	Pecan	14		#
6688	Protected	Elm	10		10)	6445 Protected 6449 Protected	Hackberry	11 15	11	15		Protected Protected	Mesquite Mesquite	11 11				11 11	6495 Protected 6496 Protected	Pecan Pecan	12 8		#
	Protected Protected		16 19		16 19		 	Hackberry Hackberry	12 12		12	6352	Protected Protected	Mesquite	17 11	11			17	6497 Protected 6498 Protected	Pecan Pecan	15 15		+
	,	•		. '	. , , , , ,					<u> </u>	. 26	DOST	_{Li T} otected	iviesquite	1 11	1 11	<u> </u>		1	6499 Protected	Pecan	15		#
																				498		7096	885	

PRESERVE	REVISIONS				
	DATE				
	ON				

13

16

18

15

17 10 13

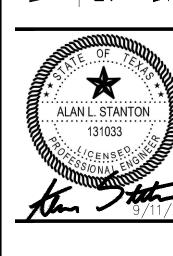
16

11

Species DBH REMOVE

Exempt Mitigate Replace

		포 유	≥ ₽
-	STATE OF THE PARTY	OF	Williams
	ALAN	N L. STAN	`*&
	8	131033 cense.s sional es	···∵≥
	King	SIONAL EN	9/11/2
-	7000		5/11/2



AMATION TRAINER U ₹

E H

JOB NO.: 0044013.01 08/17/2023 DESIGN: DRAWN: CHECKED: DAD