

CONSTRUCTION PLANS FOR SOUTH PADRE ISLAND WIND & WATER SPORTS PARK CITY OF SOUTH PADRE ISLAND, TEXAS

Prepared for:
CITY OF SOUTH PADRE ISLAND

FEBRUARY 2026

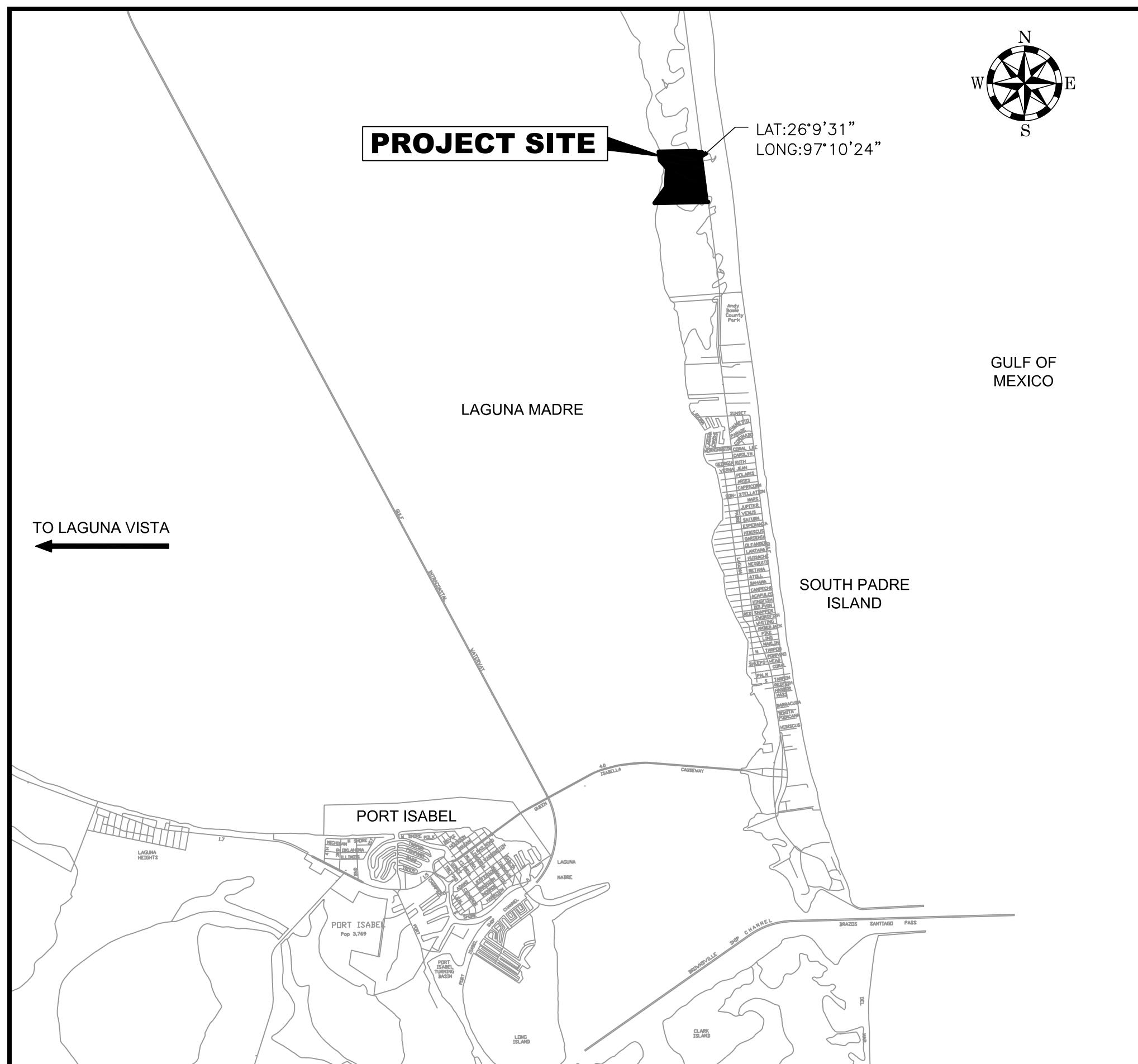


CITY COUNCIL

PATRICK McNULTY MAYOR
REES LANGSTON MAYOR PRO-TEM
KEN MEDDERS, JR COUNCIL MEMBER
JOE RICCO COUNCIL MEMBER
LISA GRAVES COUNCIL MEMBER
AARIN HARTWELL COUNCIL MEMBER

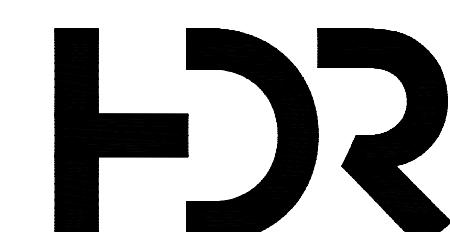
CITY ADMINISTRATION

RANDY SMITH CITY MANAGER
CARLOS A. SANCHEZ, P.E PUBLIC WORKS DIRECTOR
ANGELIQUE SOTO CITY SECRETARY
KRISTINA BOBURKA SHORELINE DIRECTOR



VICINITY MAP

CITY OF SOUTH PADRE ISLAND VICINITY MAP
CAMERON COUNTY
SCALE: 1" = 5000'



HDR Engineering, Inc.
TBPELS Firm
Registration No. F-754



© Copyright Hanson Professional Services Inc. 2022

TBPE F-417
TBPLS F-10194412
TBPG F-50556

SHEET INDEX

- C-01. COVER SHEET
- C-02. GENERAL NOTES 1 OF 3
- C-03. GENERAL NOTES 2 OF 3
- C-04. GENERAL NOTES 3 OF 3
- C-05. GENERAL SITE PLAN
- C-06. HORIZONTAL & VERTICAL CONTROL PLAN
- C-07. STORMWATER PREVENTION POLLUTION PLAN
- C-08. STORMWATER PREVENTION POLLUTION PLAN DETAILS
- C-09. WETLAND HABITAT AFFECTED
- C-10. DUNE IMPACT
- C-11. PARKING LOT A LAYOUT
- C-12. PARKING LOT B LAYOUT ADDITIVE 1
- C-13. PARKING LOT C LAYOUT ADDITIVE 2
- C-14. PROPOSED ROAD LAYOUT PLAN & PROFILE STA 10+00 - STA 19+00
- C-15. PROPOSED ROAD LAYOUT PLAN & PROFILE STA 19+00 - STA 27+00
- C-16. PROPOSED ROAD LAYOUT PLAN & PROFILE STA 27+00 - STA 33+00
- C-17. PROPOSED CULVERT LAYOUT PLAN & PROFILE
- C-18. PROPOSED CULVERT LAYOUT PLAN & PROFILE
- C-19. RESTROOM FACILITIES
- C-20. PARKING LOT & LOADING AREA CROSS SECTION
- C-21. DETAILS SHEET
- C-22. CROSS SECTION LAYOUT
- C-23. CROSS SECTION LAYOUT
- C-24. CROSS SECTION LAYOUT
- C-25. CROSS SECTION LAYOUT
- C-26. CROSS SECTION LAYOUT
- C-27. CROSS SECTION LAYOUT



NOTICE: THIS PAGE DOES NOT CONTAIN ALL PROJECT NOTES OR PROJECT REQUIREMENTS. THIS PAGE MAY CONTAIN NOTES THAT ARE NOT PERTINENT TO THE PROJECT BUT ARE INCLUDED FOR REFERENCE. IT WILL BE THE RESPONSIBILITY OF ALL CONTRACTORS WORKING ON THIS PROJECT TO BE KNOWLEDGEABLE WITH ALL PROJECT CONTRACT DOCUMENTS, WHICH INCLUDES BUT NOT LIMITED TO THE PROJECT GENERAL REQUIREMENTS, SPECIFICATIONS, AND DRAWINGS. ANY AND ALL COSTS RELATED TO THE CONTRACTOR FAILURE OF BEING KNOWLEDGEABLE WITH THE CONTRACT DOCUMENTS WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

GENERAL

1. LISTED BELOW ARE SOME KEY AGENCIES, OR DEPARTMENTS WHO MAY NEED TO BE CONTACTED THROUGHOUT THE DURATION OF THIS PROJECT.

DIG TESS	1-800-344-8377
TEXAS ONE CALL SYSTEM	1-800-245-4545
TEXAS EXCAVATION SAFETY SYSTEM	1-800-344-8377
LONE STAR NOTIFICATION COMPANY	1-800-669-8344
SOUTHWESTERN BELL LOCATE GROUP	1-800-828-5127
CITY OF SOUTH PADRE ISLAND	1-956-761-6456
LAGUNA MADRE WATER DISTRICT	1-956-943-2626
TEXAS GENERAL LAND OFFICE	1-512-463-5001
U.S. ARMY CORPS OF ENGINEERING (USACE)	1-956-546-2456

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL APPROPRIATE UTILITY COMPANIES, 48 HOURS PRIOR TO ACTUAL CONSTRUCTION FOR THE EXACT LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY RESIDENTIAL/BUSINESS OWNERS, AND STATE/LOCAL OFFICIALS (WHEN APPLICABLE) OF PROPOSED CONSTRUCTION IN FRONT OF THE RESPECTIVE PROPERTIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION, THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THE EXCAVATORS NEED TO CONTACT A NOTIFICATION CENTER 48 HOURS PRIOR TO EXCAVATING, EXCEPT IN CASE OF AN EMERGENCY. THE NOTIFICATION CENTER TELEPHONE NUMBER IS 1-800-245-4545.

2. A MINIMUM OF ONE (1) COPY OF THE LATEST VERSION OR EDITION OF THE FOLLOWING, BUT NOT LIMITED TO, MUST BE ON THE PROJECT SITE WHEN CONSTRUCTION IS IN PROGRESS:

- 2.1. CONTRACT DOCUMENTS AND SPECIFICATIONS,
- 2.2. ALL CONSTRUCTION DRAWINGS,
- 2.3. ALL REQUIRED PERMITS,
- 2.4. ALL REQUIRED LOCAL, STATE, AND FEDERAL DOCUMENTS.

3. ALL WORK ON THIS PROJECT WILL BE REQUIRED TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS, THE DRAWINGS, INDUSTRY STANDARDS, ALL PERMITS, AND ALL LAWS AND REGULATIONS.

- 3.1. IN THE EVENT THAT A REGULATION, SPECIFICATION, DETAIL, NOTE, OR OTHER REQUIREMENT IS IN CONFLICT WITH ANOTHER REGULATION, SPECIFICATION, DETAIL, NOTE, OR OTHER REQUIREMENT, THE MOST STRINGENT SHALL BE APPLICABLE, UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.

4. NOTICE: THE CONTRACTOR SHALL KNOW THE ACTUAL SITE CONDITIONS AND SHALL BE RESPONSIBLE FOR FURNISHING A COMPLETED PROJECT AS REPRESENTED IN THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND IN THE DRAWINGS. HIGH TIDE LINE IS AT 2.3' FOR PROJECT.

5. IF AT ANY POINT THAT SOMETHING IS NOT CLEAR FOR WHAT IS BEING REPRESENTED WITHIN THIS SET OF DRAWINGS, THE GENERAL CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.

6. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS AND PROPOSED CONDITIONS, SHALL PERFORM FIELD MEASUREMENTS PRIOR TO CONSTRUCTION, FABRICATION, AND/OR PURCHASE OF ANY MATERIAL, AND SHALL CONTACT, PRIOR TO ORDERING MATERIALS, THE OWNER'S REPRESENTATIVE SHOULD CONDITIONS BE DIFFERENT FROM THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND/OR THE DRAWINGS FOR THIS PROJECT.

- 6.1. THE CONTRACTOR SHALL FIELD VERIFY BENCHMARK AND CONTROL POINT ELEVATION(S) PRIOR TO COMMENCING ANY CONSTRUCTION.

- 6.2. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION WITHIN THE DRAWINGS.

- 6.3. CONFLICTS ARISING DUE TO LACK OF COORDINATION AND VERIFICATION SHALL BE THE RESPONSIBILITY AND AT THE SOLE EXPENSE OF THE CONTRACTOR.

7. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL NECESSARY CONSTRUCTION PERMITS AND CLEARANCES PRIOR TO COMMENCING CONSTRUCTION AND ANY FEES ASSOCIATED WITH THE PERMIT SHALL BE INCLUDED WITHIN THE BID ITEM(S) REQUIRING THE PERMIT.

8. THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO WITHIN THE LIMITS OF CONSTRUCTION (LOC) AS INDICATED WITHIN THE DRAWINGS INCLUDING, BUT NOT LIMITED TO, JOB SITE FACILITIES, STAGING AREAS, STOCKPILES, EQUIPMENT, ETC., UNLESS PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE IS GIVEN.

- 8.1. ANY CONSTRUCTION ACTIVITIES BEYOND THE CONSTRUCTION LIMITS SHALL BE PRE-APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
- 8.2. IF WORK IS DONE BEYOND THE CONSTRUCTION LIMITS WITHOUT APPROVAL, THAT WORK MAY BE SUBJECT TO GETTING REJECTED FOR A CLAIM FOR ADDITIONAL WORK BASED ON NOT OBTAINING PRIOR AUTHORIZATION.

9. ALL QUANTITIES INDICATED WITHIN THE DRAWINGS ARE APPROXIMATE AND FOR REFERENCE USE; NOT ALL MATERIALS REQUIRED TO CONSTRUCT THE PROJECT MAY BE INDICATED AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE ALL MATERIALS AND APPURTENANCES TO CONSTRUCT THE PROJECT WITHIN THE AMOUNT BID.

10. A SEQUENCE OF CONSTRUCTION SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND CHANGES TO THE SEQUENCE SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

- 10.1. THE CONTRACTOR SHALL NOT BE PERMITTED TO COMMENCE WORK ON THE PROJECT BEFORE SUNRISE AND SHALL ARRANGE THE WORK SO THAT IT IS COMPLETED BY SUNSET, UNLESS OTHERWISE INDICATED OR DIRECTED BY THE OWNER'S REPRESENTATIVE.

11. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARKS, ETC. UNTIL FURTHER USE OF THE STAKES, MARKS, ETC. ARE NOT NEEDED.

- 11.1. ANYTIME THAT CONSTRUCTION STAKES, MARKS, ETC. ARE TO BE REPLACED DUE TO BEING DAMAGED, DESTROYED, OR REMOVED AFTER PLACEMENT, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPLACEMENT.

12. INDEMNIFICATION TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAWS AND REGULATIONS, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER, ENGINEER, ENGINEER'S SUR CONSULTANTS AND THE OFFICERS, DIRECTORS, EMPLOYEES, AGENTS AND OTHER CONSULTANTS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS, COSTS, LOSSES AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OR ENGINEERS, ARCHITECTS, ATTORNEYS AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) CAUSED BY, ARISING OUT OF, OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS OR DAMAGE: (I) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, DEATH OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING THE LOSS OF USE RESULTING THEREFROM, AND (II) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, ANY PERSON OR ORGANIZATION DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM OR FURNISH ANY OF THE WORK OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT CAUSED IN PART BY ANY NEGLIGENCE OR OMISSION OF A PERSON OR ENTITY INDEMNIFIED HEREUNDER OR WHETHER LIABILITY IS IMPOSED UPON SUCH INDEMNIFIED PARTY BY LAWS AND REGULATIONS REGARDLESS OF WHETHER OR NOT CAUSED IN PART BY THE NEGLIGENCE OF ANY SUCH PERSON OR ENTITY, CLAIMS, COSTS, LOSSES, DAMAGES, SUITS AND CAUSES OF ACTION, ANY AND ALL LIABILITY, COSTS, EXPENSES SETTLEMENTS, DAMAGES AND JUDGMENTS INCURRED IN CONNECTION THEREWITH (INCLUDING BUT NOT LIMITED TO ALL FEES FAULT, BREACH OR CONTRACT OR WARRANTY, VIOLATION OF THE PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTES RESOLUTION COSTS) WHETHER ARISING IN EQUITY, AT COMMON LAW, OR BY STATUTE, INCLUDING THE TEXAS DECEPTIVE TRADE PRACTICES ACT, SIMILAR STATUTE OF OTHER JURISDICTIONS, OR UNDER THE LAW OF CONTRACTS, TORTS (INCLUDING WITHOUT LIMITATION, NEGLIGENCE AND STRICT LIABILITY WITHOUT REGARD TO FAULT) OR PROPERTY, OF EVERY KIND OR CHARACTER? (III) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION, OTHER FAULT, BREACH OF CONTRACT OR WARRANTY, VIOLATION OF THE TEXAS DECEPTIVE TRADE PRACTICES ACT, OR STRICT LIABILITY WITHOUT REGARD TO FAULT OF A PERSON OR ENTITY INDEMNIFIED HEREUNDER? CONTRACTOR'S OBLIGATIONS OF INDEMNIFICATION UNDER THIS PARAGRAPH 6.20.1 SHALL NOT BE LIMITED BY THE AMOUNT OF ANY INSURANCE.

LOCATION AND PROTECTION OF EXISTING UTILITIES, STRUCTURES, DITCHES, ROADS, AND OTHER IMPROVEMENTS

NOTICE: THE LOCATION OF EXISTING ABOVE GROUND UTILITIES, UNDERGROUND FACILITIES, STRUCTURES, DITCHES, ROADS, AND OTHER IMPROVEMENTS WITHIN THE DRAWINGS ARE APPROXIMATE IN BOTH HORIZONTAL AND VERTICAL LOCATIONS() AND NOT ALL EXISTING ABOVE GROUND UTILITIES, UNDERGROUND FACILITIES, STRUCTURES, DITCHES, ROADS, AND OTHER IMPROVEMENTS WITHIN AND ADJACENT TO THE SITE MAY BE INDICATED ON THE DRAWINGS. THE OWNER AND THE ENGINEER SHALL NOT BE RESPONSIBLE FOR REVIEWING AND CHECKING ALL SUCH INFORMATION FOR THE SAFETY AND PROTECTION THEREOF AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK; THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE.

1. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL APPROPRIATE PUBLIC AND PRIVATE UTILITY COMPANIES, BY ALL MEANS POSSIBLE, PRIOR TO COMMENCING CONSTRUCTION TO DETERMINE UTILITY LOCATION(S) WITHIN AND ADJACENT TO THE PROJECT SITE.
2. THE CONTRACTOR(S) SHALL VIDEO TAPE AND PHOTOGRAPH ALL PROPERTIES AND EXISTING IMPROVEMENTS THAT WILL BE AFFECTED BY CONSTRUCTION, WITH COPIES OF THE INFORMATION BEING SUPPLIED TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING CONSTRUCTION.

3. THE CONTRACTOR(S) IS RESPONSIBLE FOR CONFIRMING THE LOCATION(S) HORIZONTALLY AND VERTICALLY OF ALL BURIED CABLES, CONDUITS, PIPES, AND UNDERGROUND FACILITIES (INCLUDING BUT NOT LIMITED TO STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, FIBER OPTIC, ETC.) WHICH ARE WITHIN AND ADJACENT TO THE SITE.
- 3.1. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION DRAWINGS PRIOR TO CONSTRUCTION.
- 3.2. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL LOCATION(S) HORIZONTALLY AND VERTICALLY OF THE ABOVE SAID CABLES, CONDUITS, PIPES, AND UNDERGROUND FACILITIES SHALL BE SOLELY BORNE BY THE CONTRACTOR.
- 3.3. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY ERRORS OR DISCREPANCIES ARE FOUND ON THE CONSTRUCTION DOCUMENTS WHICH NEGATIVELY IMPACT THE PROJECT.
- 3.4. NOTICE: THE OWNER AND ENGINEER SHALL BE INDEMNIFIED OF PROBLEMS AND/OR COSTS WHICH MAY RESULT FROM THE CONTRACTOR'S FAILURE TO VERIFY THE ACTUAL CONDITIONS AND FAILURE TO NOTIFY THE ENGINEER AND OWNER.

4. NOTICE: THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION(S) AND ELEVATION(S) OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR COSTS INCURRED BY PROCEEDING WITH ELEVATION(S) OF EXISTING UTILITIES THAT DIFFER FROM THOSE PRESENTED ON THE DRAWINGS.

- 4.1. DISCREPANCIES SHALL BE PRESENTED TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH WORK.

5. IN THE EVENT THAT A UTILITY LINE NEEDS TO BE ADJUSTED, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION SO THAT THE ADJUSTMENT CAN BE MADE.

6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, MARKING (IN ACCORDANCE WITH TEXAS ADMINISTRATIVE CODE (TAC) TITLE 16, PART 1, CHAPTER 18, RULE §18.6 AND AMERICAN PUBLIC WORKS ADMINISTRATION (APWA) UNIFORM COLOR CODE), AND VERIFYING THE ACTUAL LOCATION AND ELEVATION OF ALL ABOVE GROUND AND UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE PROJECT AREA PRIOR TO COMMENCING CONSTRUCTION BY ALL MEANS POSSIBLE.

- 6.1. LOCAL WATER, SEWER, STORM SEWER, GAS, AND TRAFFIC DEPARTMENTS SHALL BE NOTIFIED INDIVIDUALLY TO ENSURE LOCATION OF UTILITIES.

7. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ABOVE GROUND UTILITIES, UNDERGROUND FACILITIES, STRUCTURES, DITCHES, ROADS, AND ALL PROPOSED IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT AREA.

- 7.1. IF ANY DAMAGE OCCURS TO ANY OF THE ABOVE MENTIONED ITEMS DURING CONSTRUCTION, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REPAIR, REPLACEMENT, OR REMEDY OF THE DAMAGED ITEM TO EQUAL OR BETTER THAN ITS ORIGINAL CONDITION AS REQUIRED BY THE OWNER OF THE DAMAGED ITEM IN A PROMPT MANNER WITH NO ADDITIONAL TIME ADDED TO THE CONTRACT.

8. IF ABANDONED UNDERGROUND FACILITIES ARE ENCOUNTERED, THE CONTRACTOR MUST EXPLORE AND RESEARCH THE SITUATION AND PROVIDE TO THE OWNER'S REPRESENTATIVE THAT THE FACILITY(IES) ARE ABANDONED.

- 8.1. THE CONTRACTOR SHALL REMOVE THE ABANDONED UNDERGROUND FACILITY(IES) REQUIRED TO COMPLETE THE WORK OR SHALL FULLY GROUT THE ABANDONED FACILITY(IES) IN PLACE, UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE; ALL WORK SHALL BE INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.

9. THE CONTRACTOR SHALL TAKE SPECIAL CONSIDERATION PRIOR TO REMOVING A PORTION OF AN EXISTING DRAINAGE SYSTEM TO FACILITATE ANY WORK TO PREVENT ADVERSE DRAINAGE ISSUES.

- 9.1. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO PROVIDE ALL REQUIRED EQUIPMENT AND PERSONNEL TO PREVENT DAMAGE TO PRIVATE PROPERTY, EXISTING IMPROVEMENTS, AND PROPOSED IMPROVEMENTS, WITH ANY DAMAGE BEING REMEDIED BY THE CONTRACTOR.

10. THE CONTRACTOR IS TO NOTIFY THE PROPERTY OWNER(S) OF ANY WORK THAT WILL AFFECT ANY PUBLIC OR PRIVATE IRRIGATION SYSTEM.

- 10.1. TEMPORARY REPAIRS TO THE SYSTEM SHALL BE MADE TO MAINTAIN THE UN-AFFECTED PORTION OF THE SYSTEM IN A WORKING CONDITION.

- 10.2. REPAIRS TO THE SYSTEM SHALL BE COMPLETED AS SOON AS PRACTICABLE BY A LICENSED IRRIGATION SYSTEM INSTALLER.

11. THE CONTRACTOR SHALL REMOVE, REPLACE, AND RESTORE TO ORIGINAL CONDITION, ELEVATION, AND LOCATION ALL EXISTING IMPROVEMENTS THAT ARE TO REMAIN THAT ARE ENCOUNTERED DURING CONSTRUCTION, UNLESS OTHERWISE NOTED OR APPROVED BY THE OWNER'S REPRESENTATIVE.

PROTECTION OF VEGETATION AND ENVIRONMENTALLY SENSITIVE AREAS

1. NOTICE: THE PROJECT IS REGULATED BY A U.S. ARMY CORPS OF ENGINEERS (COE) PERMIT OR OTHER ENVIRONMENTAL PERMIT, THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE PERMIT.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL ENVIRONMENTALLY SENSITIVE AREAS NOTED ON THE DRAWINGS OR AS IDENTIFIED BY THE OWNER'S REPRESENTATIVE.

- 2.1. ENVIRONMENTALLY SENSITIVE AREAS THAT ARE DISTURBED OR DAMAGED, WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REMEDY THE DISTURBANCE OR DAMAGE TO THE REQUIREMENTS OF A LOCAL EXPERT APPROVED BY THE OWNER'S REPRESENTATIVE AND IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND REQUIREMENTS AT THE CONTRACTOR'S SOLE EXPENSE.

3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL VEGETATION THAT IS NOTED ON THE DRAWINGS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

- 3.1. TREES, SHRUBS, AND VEGETATION THAT ARE TO REMAIN SHALL BE TRIMMED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES AND PROTECTED FROM DAMAGE.

- 3.2. IF DAMAGE SHOULD OCCUR TO A TREE OR SHRUB THAT IS TO REMAIN, THE CONTRACTOR WILL BE RESPONSIBLE FOR CARING/REPLACING THE ITEM FOR A PERIOD TO BE DETERMINED BY A COMPETENT PERSON AT THE CONTRACTOR'S SOLE EXPENSE.

WORK SITE SAFETY AND SECURITY

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT A SAFETY PROGRAM THAT IS IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS FOR ALL WORKERS AND VISITORS FOR THE ENTIRETY OF THE PROJECT.

2. THE CONTRACTOR SHALL POST ON-SITE ALL EMERGENCY PHONE NUMBERS FOR:

- 2.1. POLICE, FIRE, AND MEDICAL EMERGENCIES

- 2.2. PUBLIC UTILITY OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

- 2.3. PRIVATE UTILITY OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

- 2.4. STREET OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

- 2.5. TRAFFIC SIGNAL OPERATORS (FOR EACH OPERATOR WITHIN AND ADJACENT TO THE PROJECT SITE)

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING ALL EMPLOYEES AND SUBCONTRACTORS IN THE RECOGNITION AND AVOIDANCE OF UNSAFE CONDITIONS AND IN THE REGULATIONS AND HAZARDS WHICH APPLY TO THE AREA IN WHICH THE WORK WILL TAKE PLACE.

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EQUIPMENT AND MATERIALS FOR THE PROTECTION OF PERSONS AND PROPERTY AND FOR PROVIDING SAFE WORKING CONDITIONS THROUGHOUT THE WORK PROGRESS.

- 4.1. ALL SAFETY EXPOSURES OR VIOLATIONS SHALL BE RECTIFIED IMMEDIATELY BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER SUCH THAT TRUCKS AND OTHER EQUIPMENT DO NOT CREATE A SAFETY HAZARD ON ANY PUBLIC OR PRIVATE STREETS.

6. TRENCH SAFETY

- 6.1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF A TRENCH SAFETY PROGRAM WHICH MEETS OR EXCEEDS THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND ANY OTHER LOCAL, STATE, AND FEDERAL REGULATIONS THAT PERTAIN TO TRENCH SAFETY.

- 6.1.1. ALL EXCAVATIONS AND BACKFILL OPERATIONS SHALL BE IN ACCORDANCE WITH THE LATEST OSHA EXCAVATION SAFETY STANDARDS, STATE REGULATIONS, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL PROVIDE AN EXCAVATION PLAN PREPARED BY AN ENGINEER REGISTERED IN THE STATE OF TEXAS PRIOR TO BEGINNING TRENCHING OPERATIONS.

- 6.1.2. THE CONTRACTOR SHALL APPOINT A "COMPETENT PERSON" AS DEFINED BY OSHA WHO WILL BE ON-SITE AT ALL TIMES WHILE TRENCHING, PERFORMING EXCAVATIONS, AND WHEN WORKERS ARE IN TRENCHES.

NOTICE: THIS PAGE DOES NOT CONTAIN ALL PROJECT NOTES OR PROJECT REQUIREMENTS. THIS PAGE MAY CONTAIN NOTES THAT ARE NOT PERTINENT TO THE PROJECT BUT ARE INCLUDED FOR REFERENCE. IT WILL BE THE RESPONSIBILITY OF ALL CONTRACTORS WORKING ON THIS PROJECT TO BE KNOWLEDGEABLE WITH ALL PROJECT CONTRACT DOCUMENTS, WHICH INCLUDES BUT NOT LIMITED TO THE PROJECT GENERAL REQUIREMENTS, SPECIFICATIONS, AND DRAWINGS. ANY AND ALL COSTS RELATED TO THE CONTRACTOR FAILURE OF BEING KNOWLEDGEABLE WITH THE CONTRACT DOCUMENTS WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

TRAFFIC CONTROL AND EXISTING PEDESTRIAN FACILITIES CONTINUED

1. AT ALL TIMES, THE CONTRACTOR SHALL MAINTAIN INGRESS/EGRESS TO ADJACENT PROPERTIES FOR EMERGENCY VEHICLES AND POSTAL SERVICE IF AN ALTERNATE ROUTE IS NOT AVAILABLE.
6. PLACEMENT OF TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE TMUTCD, THE DRAWINGS, AND SHALL BE APPROVED BY THE GOVERNING ENTITY.
7. THE CONTRACTOR SHALL MAINTAIN AND PROVIDE FOR SAFE AND CONVENIENT INGRESS/EGRESS TO THE PROPERTY ADJACENT TO CONSTRUCTION, PROTECT EXISTING IMPROVEMENTS, AND SHALL COORDINATE WITH THE PROPERTY OWNER / LESSEE FOR WORK ON THE SITE.
- 7.1. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNER/LESSEE IN WRITING SEVEN (7) DAYS PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE OF ANY WORK AFFECTING INGRESS/EGRESS FROM THE PROPERTY.
- 7.1.1. THE NOTICE SHALL BE APPROVED OF BY THE OWNER AND THE OWNER'S REPRESENTATIVE.
- 7.1.2. THE NOTICE SHALL BE HAND DELIVERED BY THE CONTRACTOR.
- 7.1.3. THE NOTICE SHALL INDICATE WHAT DISRUPTIONS WILL OCCUR AND PROVIDE DATES AND CONTRACTOR CONTACT INFORMATION IN THE EVENT OF EMERGENCIES OR ANY QUESTIONS.
8. THE CONTRACTOR SHALL MAINTAIN EXISTING PEDESTRIAN FACILITIES DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL FILL ANY HOLES LEFT WHEN BARRICADES AND SIGNS ARE REMOVED AND RESTORE THE AREA TO THE ADJACENT CONDITIONS.

DRAINAGE DURING CONSTRUCTION

1. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL PROVIDE INTERIM DRAINAGE BY MEANS OF PUMPS AND TEMPORARY DITCHES DURING CONSTRUCTION AS REQUIRED TO MAINTAIN A WELL-DRAINED SITE FREE OF STANDING WATER AND WATER SOFTENED SOILS, UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE.
3. DRAINAGE FROM ADJACENT PROPERTIES SHALL NOT BE BLOCKED AT ANYTIME PRIOR, DURING, AND AFTER CONSTRUCTION AND WILL BE HANDLED AS SHOWN ON THE DRAWINGS OR AS INDICATED BY THE OWNER'S REPRESENTATIVE.

EXCESS, DEMOLITION, AND SALVAGED MATERIALS

1. THE PROJECT AREA SHALL AT ALL TIMES BE KEPT FREE OF DEBRIS AND EXCESS MATERIAL TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
2. EXCESS AND DEMOLITION MATERIALS WHICH ARE NOT USED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS THE OWNER'S REPRESENTATIVE STATES OTHERWISE.
3. DISPOSAL OF ALL EXCESS AND DEMOLITION MATERIALS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
4. DEMOLITION
 - 4.1 DEMOLITION OF EXISTING IMPROVEMENTS SHALL BE PERFORMED BY THE CONTRACTOR BY SAW-CUTTING AT THE POINT WHERE THE ITEM IS TO REMAIN, UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE.
 - 4.1.1. CUTS SHALL BE VERTICAL AND TO A DEPTH THAT WILL ALLOW THE PORTION TO BE REMOVED WITHOUT DAMAGING ANY PORTION TO REMAIN.
 - 4.2. DEMOLITION SHALL BE COMPLETED IN A MANNER THAT WILL NOT DAMAGE THE PORTION THAT WILL REMAIN AND SHALL BE DONE IN A MANNER THAT IS CONSISTENT WITH INDUSTRY STANDARDS.
 - 4.2.1. DAMAGE TO ANY PORTION THAT IS TO REMAIN SHALL BE REPLACED OR REPAIRED TO A LIKE OR BETTER CONDITION BY THE CONTRACTOR AT NO EXPENSE TO THE PROJECT.
 - 4.3. CEASE OPERATIONS AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF ADJACENT IMPROVEMENTS APPEAR TO BE ENDANGERED.
 - 4.4. WELDING OR CUTTING STEEL WITH A TORCH IS NOT PERMITTED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.
 - 4.5. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS AND METHODS TO PREVENT THE SPREAD OF DUST AND/OR OTHER DEBRIS FROM ENTERING OCCUPIED AREAS OF ADJACENT BUILDINGS OR FROM DAMAGING EXISTING ITEMS THAT ARE TO REMAIN.
5. MATERIALS THAT ARE DEEMED SALVAGEABLE SHALL BE HANDLED BY THE CONTRACTOR IN A MANNER TO PREVENT DAMAGE AND SHALL BE STORED AT A LOCATION THAT IS SUITABLE FOR THE OWNER'S REPRESENTATIVE.
6. IF WASTE AREAS OR MATERIAL SOURCE AREAS RESULT FROM THIS PROJECT, THE CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

SITE CLEARING AND EARTHWORK

1. THE SITE SHALL BE CLEARED OF ALL TREES, SHRUBS, AND STUMPS UNLESS OTHERWISE NOTED ON THE DRAWINGS OR INDICATED BY THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH THE SPECIFICATIONS.
2. THE SITE SHALL BE CLEARED OF ALL EXISTING CONCRETE, PAVEMENT, WALLS, FENCING, FOUNDATIONS, ETC. AS REQUIRED TO PROPERLY CONSTRUCT THE PROJECT WITH ALL WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS OR AS INDICATED BY THE OWNER'S REPRESENTATIVE.
3. THE TOP SIX-INCHES (6") OF MATERIAL SHALL BE STOCKPILED ON-SITE AND USED FOR FINAL STABILIZATION BETWEEN THE BACK OF CURB / ROAD EDGE AND SIDEWALK / RIGHT-OF-WAY LINE / PROPERTY LINE AND COMPACTED TO ACHIEVE A A DEPTH OF SIX-INCHES (6").
 - 3.1. ANY ADDITIONAL MATERIAL SHALL BE EVENLY PLACED ON REMAINING AREAS THAT ARE DISTURBED.
4. ALL EARTHWORK (SITE GRADING, FILLING, HAULING, CUTTING, LOADING, ETC.) REQUIRED TO ACHIEVE THE LINES AND GRADES AS INDICATED WITHIN THIS DRAWING SET SHALL BE COMPLETED BY THE CONTRACTOR.
5. FILL BEYOND THE RIGHT-OF-WAY (ON LOTS) SHALL BE PLACED IN SIX-INCH (6") LIFTS AND COMPACTED TO MEET THAT OF THE AVERAGE OF THE EXISTING MATERIAL ON SITE PRIOR TO ANY DISTURBANCE.
6. CONTRACTOR SHALL PERFORM ROUGH EARTHWORK (SITE GRADING, FILLING, HAULING, CUTTING, LOADING, ETC.) TO VERIFY ADEQUATE EARTH QUANTITY ON-SITE TO ACHIEVE THE REQUIRED GRADES INDICATED WITHIN THIS DRAWING SET PRIOR TO ANY OTHER CONSTRUCTION.
- 6.1. IF MATERIAL IS TO BE HAULED FROM OFF-SITE SOURCES THE MATERIAL SHALL BE OF LIKE MATERIAL COMPOSITION AS TO WHAT IS FOUND CURRENTLY ON-SITE AND APPROVED BY THE OWNER'S REPRESENTATIVE.
7. AFTER ROUGH EARTHWORK IS COMPLETE AND CONTRACTOR DETERMINES THAT SUFFICIENT MATERIAL IS AVAILABLE TO ACHIEVE THE REQUIRED GRADES, CONSTRUCTION ON THE REST OF THE PROJECT CAN COMMENCE.
8. FINAL GRADES AS INDICATED WITHIN THE DRAWINGS SHALL BE ACHIEVED PRIOR TO FINAL ACCEPTANCE.
9. GRADES NOT OTHERWISE INDICATED SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, OR BETWEEN SUCH POINTS AND EXISTING FINISH GRADES.
 - 9.1. ROUND OFF ABRUPT CHANGES IN SLOPE.
10. THE CONTRACTOR WILL BE REQUIRED TO LIMIT THE AMOUNT OF DUST AND WIND TRANSPORTED MATERIALS FROM OCCURRING ON AND OFF THE PROJECT SITE DURING AND AFTER WORKING HOURS SEVEN (7) DAYS A WEEK THROUGHOUT THE DURATION OF THE PROJECT.
 - 10.1. THE CONTRACTOR SHALL PHASE WORK ON THE SITE AND USE WATER, TEMPORARY COVER, AND/OR DUST CONTROL AGENTS TO LIMIT THE AMOUNT OF DUST AND OTHER WIND-BORNE MATERIALS FROM EXITING THE PROJECT SITE.
 - 10.2. IF DUST FROM THE PROJECT SITE BECOMES EXCESSIVE, THE CONTRACTOR WILL BE REQUIRED TO TAKE ANY AND ALL MEASURES POSSIBLE TO CONTROL THE POLLUTION.
11. CONTRACTOR SHALL LIMIT THE AMOUNT OF EROSION DUE TO STORM EVENTS AND ANY EROSION AREAS SHALL BE RESHAPED AND REPAIRED TO THE LINES AND GRADES SHOWN IN THE DRAWINGS IN A TIMELY MANNER WHEN CONDITIONS ALLOW.

12. WHEN THE FINISHED FLOOR (FF) ELEVATION IS INDICATED ON THE GRADING PLAN, IT IS TO BE UNDERSTOOD THAT IT IS A RECOMMENDATION BASED UPON THE DRAINAGE DESIGN OF THE PROJECT. THIS RECOMMENDED FINISHED FLOOR ELEVATION (FF) IS SUBJECT TO CHANGE UPON FINAL DESIGN OF THE BUILDING.
- 12.1. THE OWNER AND THE DESIGN PROFESSIONAL OF THE BUILDING WILL BE SOLELY RESPONSIBLE FOR ADJUSTING THE FINISHED FLOOR (FF) ELEVATION UPON VERIFICATION OF CURRENT CONDITIONS AND ALL CURRENT APPLICABLE LAWS, STATUTES, RULES, REGULATIONS, ORDINANCES, CODES, AND ORDERS OF ANY AND ALL GOVERNMENTAL BODIES, AGENCIES, AUTHORITIES, AND COURTS HAVING JURISDICTION.

SITE GRADING

1. PRIOR TO COMMENCING GRADING ACTIVITIES, ALL IMPROVEMENTS SHALL BE PROTECTED FROM DAMAGE.
- 1.1. IF ANY IMPROVEMENT IS DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE ITEM DAMAGED AT NO ADDITIONAL COST TO THE PROJECT.
2. THE CONTRACTOR SHALL CONSTRUCT THE SITE TO THE LINES, GRADES, AND ELEVATIONS AS SPECIFIED AND AS INDICATED WITHIN THE DRAWINGS.
3. ANY ADJUSTMENTS TO THE LINES, GRADES, AND ELEVATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTROLLING DUST AND SOIL MOVEMENT BY WIND AND WATER ONCE SITE GRADING ACTIVITIES HAVE COMMENCED AND SHALL STAGE CONSTRUCTION AND PROVIDE DUST AND SOIL STABILIZATION CONTROL(S).
 - 4.1. IF DUST AND SOIL MOVEMENT BY WIND AND WATER BECOMES EXCESSIVE, THE OWNER'S REPRESENTATIVE MAY CEASE ALL CONSTRUCTION ACTIVITIES UNTIL THE CONTRACTOR HAS REMEDIED THE SITUATION.
5. AREAS TO RECEIVE FILL SHALL BE STRIPPED OF ALL VEGETATION, HUMUS, AND OTHER OBJECTIONABLE MATTER ENCOUNTERED WITHIN THE TOP SIX-INCHES (6") OF THE SOIL.
- 5.1. THIS MATERIAL, WITH THE EXCEPTION OF OBJECTIONABLE MATTER, SHALL BE STOCKPILED, IF FEASIBLE, AND REUSED AS SURFACE STABILIZATION MATERIAL BEYOND THE RIGHT-OF-WAY.
- 5.2. OBJECTIONABLE MATTER SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, UNLESS OTHERWISE INSTRUCTED BY THE OWNER'S REPRESENTATIVE.
6. IMPORT MATERIAL, WHEN REQUIRED, SHALL BE OF SIMILAR MATERIAL AS TO THE NATURAL OCCURRING MATERIAL ON-SITE AND APPROVED OF BY THE OWNER'S REPRESENTATIVE.
- 6.1. MATERIAL SHALL BE FREE OF LARGE CLODS, LARGE ROCKS, ORGANIC MATTER, CONSTRUCTION MATERIAL, TRASH, AND OTHER OBJECTIONABLE MATERIAL.
- 6.2. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR VERIFICATION OF MATERIAL TYPE AND QUANTITY IMPORTED PER TRUCK.
 - 6.2.1. THE OWNER'S REPRESENTATIVE SHALL BE PROVIDED TRIP TICKETS THAT INDICATE THE TRUCK NUMBER, DATE OF DELIVERY, MATERIAL DELIVERED, AND QUANTITY OF MATERIAL DELIVERED.
 - 6.2.2. TRIP TICKETS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE ON A WEEKLY INTERVAL AND AS REQUESTED.
7. EXCESS SOIL MATERIAL FROM GRADING ACTIVITIES SHALL NOT BE REMOVED FROM THE SITE, UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 - 7.1. EXCESS MATERIAL SHALL BE INCORPORATED INTO THE PROJECT OR STOCKPILED IN A MANNER TO PROMOTE POSITIVE DRAINAGE.
8. NO FILL THAT IS PLACED BY DUMPING IN A PILE OR WINDROW SHALL BE INCORPORATED INTO A LAYER IN THAT POSITION; ALL SUCH PILES AND WINDROWS SHALL BE MOVED BY BLADING OR SIMILAR METHOD.
9. ALL FILL SHALL BE PLACED IN LAYERS APPROXIMATELY PARALLEL TO THE FINISH GRADE AND IN LAYERS NOT IN EXCESS OF SIX-INCHES (6") OF UN-COMPACTED DEPTH, UNLESS INDICATED OTHERWISE BY THE OWNER'S REPRESENTATIVE.
10. FILL COMPACTION
 - 10.1. 5' BEYOND RIGHT-OF-WAY AND WITHIN NON RIGHT-OF-WAY AREAS.
 - 10.1.1. TO A DENSITY WHICH APPROXIMATES THAT OF THE EXISTING NATURAL GROUND, UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE.
 - 10.2. 5' BEYOND RIGHT-OF-WAY AND WITHIN RIGHT-OF-WAY AREAS
 - 10.2.1. TO A DENSITY OF NOT LESS THAN 95% STANDARD PROCTOR AT OPTIMUM MOISTURE CONTENT, UNLESS INDICATED OTHERWISE BY THE OWNER'S REPRESENTATIVE.
 - 10.3. ALL IRREGULARITIES, DEPRESSIONS, AND SOFT SPOTS WHICH DEVELOP FROM COMPACTION SHALL BE CORRECTED BY THE CONTRACTOR.
11. ANY EARTHWORK QUANTITIES SHOWN WITHIN THE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REFLECT THE ACTUAL AMOUNT THAT WILL BE REQUIRED TO COMPLETE THE WORK DUE TO CONSTRUCTION METHODS.

EXCAVATION AND TRENCHING FOR UTILITIES, ROADWAY, AND STRUCTURES

1. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE TRENCH SAFETY PROGRAM THAT HAS BEEN DEVELOPED AND IMPLEMENTED BY THE CONTRACTOR.
2. EXCAVATIONS SHALL NOT BE MADE DURING INCLEMENT WEATHER.
3. WATER ACCUMULATION IN EXCAVATIONS EXCEEDING ONE-INCH (1") SHALL BE PUMPED OUT PRIOR TO CONTINUING CONSTRUCTION OR AS APPROVED BY THE OWNER'S REPRESENTATIVE.
4. TRENCH EXCAVATION SHALL NOT PRECEDE BACKFILL BY MORE THAN 200 FEET.
5. TRENCHES SHALL NOT BE LEFT OPEN OR UNSECURED AFTER NORMAL WORKING HOURS OR WHILE WORKERS ARE NOT PRESENT ON-SITE.
 - 5.1. IF TRENCHES ARE LEFT OPEN, THEY SHALL BE COVERED AND APPROPRIATE AND ADEQUATE BARRICADES SHALL BE PLACED TO PREVENT ACCESS INTO THE TRENCH AREA.
6. ALL TOP SOIL, VEGETATION, ORGANIC MATERIAL, AND UNSUITABLE SOIL UNDER CONSTRUCTION AREAS SHALL BE EXCAVATED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND STOCKPILED AND USED AS STABILIZATION MATERIAL FOR AREAS THAT WILL NOT BE BENEATH ROADS, DRIVEWAYS, SIDEWALKS, STRUCTURES, AND OTHER ITEMS AS INDICATED BY THE OWNER'S REPRESENTATIVE.

DEWATERING

1. DEWATERING ACTIVITIES MAY BE REQUIRED TO CONSTRUCT PORTIONS OF THE PROJECT.
 - 1.1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REQUIRED PERMITS AND EROSION AND POLLUTION CONTROL DEVICES TO CONTROL THE EFFLUENT AND SHALL INSTALL THOSE DEVICES PRIOR TO COMMENCING DEWATERING ACTIVITIES.
 - 1.2. THE LOCATION OF THE(S) DEVICES SHALL BE INSTALLED AT APPROVED LOCATION(S) BY THE OWNER'S REPRESENTATIVE.
2. ALL DEWATERING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND LOCAL, STATE, AND FEDERAL REGULATIONS.
3. THE CONTRACTOR WILL ALSO BE REQUIRED TO TEST THE SURROUNDING SURFACE WATER(S) AND THE WATER FROM THE DEWATERING ACTIVITIES FOR WATER COMPOSITION PRIOR TO DISCHARGING EFFLUENT.
 - 3.1. THE CONTRACTOR SHALL FURNISH THE OWNER'S REPRESENTATIVE WITH A COPY OF THE TEST REPORT.
 - 3.2. IF THE WATER IS DETERMINED TO BE OF A COMPOSITION THAT MAY HARM THE SURROUNDING ENVIRONMENT, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DISPOSAL IN A MANNER THAT IS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
4. WATER REMOVED FROM EXCAVATIONS SHALL BE HANDLED IN SUCH A MANNER AS TO PREVENT DAMAGE TO ADJACENT PROPERTY AND OTHER WORK.
 - 4.1. DAMAGE CAUSED BY DEWATERING OPERATIONS TO THE ADJACENT PROPERTY OR WORK SHALL BE REPAIRED OR REMEDIED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE.
 - 4.2. IF WATER IS TO BE DISPOSED OF OFFSITE, THE CONTRACTOR WILL BE REQUIRED TO LOCATE AND ACQUIRE THE DISPOSAL SITE, OBTAIN ALL PERMITS, AND DISPOSE OF IT IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

STORM WATER UTILITY NOTES

1. ALL STORM SEWER SHALL BE AS INDICATED ON THE DRAWINGS AND SHALL BE INSTALLED, BEDDED, AND BACK FILLED IN ACCORDANCE WITH THE STANDARDS, DETAILS, INDUSTRY STANDARDS, AND MANUFACTURERS RECOMMENDATIONS.
2. ALL TRENCH BACKFILL SHALL BE PLACED IN 6" LIFTS AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D-698/AASHTO T99).
3. ALL REINFORCED CONCRETE PIPE (RCP) JOINTS SHALL BE WRAPPED WITH GEOTEXTILE.
4. ALL PROPOSED PIPE STUB-OUTS FROM MANHOLES AND INLET LEADS ARE TO BE PLUGGED WITH 8" BRICK WALLS UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR INDICATED BY THE OWNER'S REPRESENTATIVE.
5. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 12" CLEARANCE AT STORM SEWER AND WATERLINE CROSSINGS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND RESTORING ANY BACK SLOPE DRAINAGE SYSTEM THAT HAS BECOME DISTURBED AS A RESULT OF THIS WORK.
7. ALL DITCHES SHALL BE GRADED TO THE PROPOSED ELEVATIONS TO ENSURE PROPER DRAINAGE.
8. ALL OUTfalls SHALL BE PROPERLY BACKFILLED AND COMPACTED.
9. ALL DRIVEWAYS SHALL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.

EXISTING PAVEMENT REMOVAL AND REPAIR

1. ASPHALT PAVEMENT
 - 1.1. PAVEMENT SHALL BE SAW-CUT FULL DEPTH WHERE EXISTING PAVEMENT IS BEING PARTIALLY REMOVED.
 - 1.2. AT A MINIMUM, PAVEMENT REPAIR SHALL CONSIST OF TWO-INCH (2") HOT MIX ASPHALTIC CEMENT (HMAC) AND TWELVE-INCH (12") COMPACTED FLEXIBLE BASE IN ACCORDANCE WITH THE SPECIFICATIONS.
 - 1.2.1. BASE SHALL BE COMPACTED TO A MINIMUM OF NINETY-EIGHT PERCENT (98%) MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557 AT MOISTURE CONTENT -1% TO +3% OF OPTIMUM.
 - 1.2.2. IF THE EXISTING PAVEMENT SECTION IS FOUND TO BE THICKER, THE PAVEMENT REPAIR SECTION SHALL BE INCREASED TO MATCH THE EXISTING SECTION.

PAVEMENT CONSTRUCTION

1. PRIOR TO COMMENCING PAVING ACTIVITIES, ALL IMPROVEMENTS SHALL BE PROTECTED FROM DAMAGE.
- 1.1. IF ANY IMPROVEMENT IS DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE ITEM DAMAGED AT NO ADDITIONAL COST TO THE PROJECT.
2. THE CONTRACTOR SHALL CONSTRUCT PAVEMENT TO THE LINES, GRADES, AND ELEVATIONS AS REQUIRED BY THE SPECIFICATIONS AND AS INDICATED WITHIN THE DRAWINGS.
 - 2.1. ANY ADJUSTMENTS TO THE LINES, GRADES, AND ELEVATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.

3. THE CONTRACTOR SHALL CONSTRUCT PAVEMENT SECTIONS AS INDICATED WITHIN THE DRAWINGS WITH MATERIALS MEETING OR EXCEEDING THE SPECIFICATIONS.
4. THE CONTRACTOR WILL BE REQUIRED TO HAVE THE SUBGRADE AND PROPOSED BASE MATERIALS TESTED BY AN APPROVED GEOTECHNICAL TESTING LABORATORY FOR THE ESTABLISHMENT OF AN OPTIMUM SOIL MOISTURE AND DENSITY PROCTOR.
 - 4.1. REPORT COPIES SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK REQUIRING THE MATERIALS.
5. IMPROVEMENTS WITHIN THE PAVEMENT AREA SHALL BE MARKED BY THE CONTRACTOR SO THAT AFTER PAVING ACTIVITIES ARE COMPLETE, THE IMPROVEMENTS CAN BE ADJUSTED TO WITHIN ONE-QUARTER INCH (1/4") OF THE FINAL SURFACE, UNLESS OTHERWISE REQUIRED BY OTHER DETAILS OR THE OWNER'S REPRESENTATIVE.

6. PRIOR TO PLACEMENT OF ANY PAVING IMPROVEMENTS, ALL UNDERGROUND IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: SANITARY SEWER UTILITIES, STORM SEWER UTILITIES, WATER UTILITIES, SLEEVES FOR ELECTRICAL UTILITIES, SLEEVES FOR IRRIGATION UTILITIES, SLEEVES FOR COMMUNICATION UTILITIES, AND OTHER UNDERGROUND IMPROVEMENTS THAT ARE REQUIRED AND ARE BENEATH AND ADJACENT TO THE PAVING IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND INDUSTRY STANDARDS, VERIFIED BY THE CONTRACTOR, AND PASS ALL TESTING REQUIREMENTS.
 - 6.1. THE CONTRACTOR MAY PROCEED SOLELY AT THE CONTRACTOR'S OWN RISK IN THE PLACEMENT OF PAVING IMPROVEMENTS PRIOR TO THE VERIFICATION AND FINAL TESTING OF UNDERGROUND IMPROVEMENTS WITH ANY COSTS RESULTING FROM THE VERIFICATION OR TESTING FAILURE BEING SOLELY AT THE CONTRACTOR'S EXPENSE.
 - 6.2. IF IT IS DETERMINED THAT THE CONTRACTOR HAS FAILED TO PLACE THE UNDERGROUND IMPROVEMENTS AS INDICATED ON THE DRAWINGS AND/OR FAILED TO VERIFY THE LOCATION PRIOR TO THE PLACEMENT OF PAVING IMPROVEMENTS, THEN ANY COSTS RESULTING FROM ACTIVITIES TO REMEDY THE SITUATION SHALL BE SOLELY AT THE CONTRACTOR'S EXPENSE.

7. WHERE THE PROPOSED PAVEMENT IMPROVEMENTS MEET THE EXISTING PAVEMENTS, THE CONTRACTOR SHALL CUT THE PAVEMENT IN A LINE THAT IS PARALLEL TO THE PROPOSED PAVEMENT EDGE TO A POINT THAT IS NOT DAMAGED AND AT A MINIMUM DISTANCE OF TWO FEET (2') BEYOND THE START OF THE PROPOSED PAVEMENT.

ENVIRONMENTAL PERMIT REQUIREMENTS

THE FOLLOWING STIPULATIONS ARE REQUIREMENTS OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) PERMIT SWG-2018-0023. THE CONTRACTOR SHALL ADHERE TO THESE MEASURES DURING CONSTRUCTION:

- IF THE CONTRACTOR DISCOVERS ANY PREVIOUSLY UNKNOWN HISTORIC OR ARCHEOLOGICAL REMAINS DURING CONSTRUCTION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER AND CITY OF WHAT THEY HAVE FOUND.
 - CONSTRUCTION SHALL AVOID GROUND-DISTURBING ACTIVITIES IN THE VICINITY OF THE DISCOVERY UNTIL FURTHER INSTRUCTIONS
- BOLLARDS AT THE MITIGATION SITE MUST BE INSTALLED WITHIN 6 MONTHS OF THE START OF CONSTRUCTION OF THE VENUE.
- CONTRACTOR MUST ESTABLISH A WORK CORRIDOR, NOT TO EXCEED 25 FEET ON EITHER SIDE OF THE LIMITS OF FILL OF THE PROJECT
 - CONTRACTOR WILL ENCLOSE THE WORK CORRIDOR WITH STRAW WADDLES, SILT FENCE, OR SIMILAR BEST MANAGEMENT PRACTICES (BMP) TO LIMIT SEDIMENT FROM LEAVING THE WORK AREA.
 - CONTRACTOR WILL NOT BE PERMITTED TO OPERATE EQUIPMENT OUTSIDE THE WORK CORRIDOR.
- CONTRACTOR IS ADVISED THAT FEDERALLY-LISTED THREATENED AND ENDANGERED SPECIES MAY OCCUR WITHIN THE PROJECT AREA OR VICINITY. THESE SPECIES, ESPECIALLY THE PIPING PLOVER, RED KNOT, AND EASTERN BLACK RAIL, ARE FEDERALLY PROTECTED, AND THE U.S. FISH AND WILDLIFE SERVICE MAY ISSUE FINES OF UP TO \$25,000 FOR KNOWINGLY TAKING, HARMING, OR HARASSING THEM.
- AVOID VEGETATION/GROUND CLEARING FROM MARCH 1 TO SEPTEMBER 30 FOR EASTERN BLACK RAIL HABITAT. IF VEGETATION/GROUND CLEARING MUST OCCUR DURING THIS TIME, THE CONTRACTOR SHALL:
 - LIMIT CLEARING TO DAYLIGHT HOURS
 - DESIGNATE A BIOLOGICAL MONITOR TO VERIFY ALL EQUIPMENT MOVES AT 5 MILES PER HOUR OR SLOWER TO ALLOW PROTECTED SPECIES TO VACATE THE EQUIPMENT'S PATH.

GENERAL NOTES 2 OF 3

3 of 27 sheets

HANSON
Copyright Hanson Professional Services Inc. 2020
780 E. Washington Street
Brownsville, Texas 78542
TBSLF-1417 / TBSLF-1019442 / TBSLF-50556

NOTICE: THIS PAGE DOES NOT CONTAIN ALL PROJECT NOTES OR PROJECT REQUIREMENTS. THIS PAGE MAY CONTAIN NOTES THAT ARE NOT PERTINENT TO THE PROJECT BUT ARE INCLUDED FOR REFERENCE. IT WILL BE THE RESPONSIBILITY OF ALL CONTRACTORS WORKING ON THIS PROJECT TO BE KNOWLEDGEABLE WITH ALL PROJECT CONTRACT DOCUMENTS, WHICH INCLUDES BUT NOT LIMITED TO THE PROJECT GENERAL REQUIREMENTS, SPECIFICATIONS, AND DRAWINGS. ANY AND ALL COSTS RELATED TO THE CONTRACTOR FAILURE OF BEING KNOWLEDGEABLE WITH THE CONTRACT DOCUMENTS WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR..

ENVIRONMENTAL PERMIT REQUIREMENTS (CONTINUED)

- DO NOT CLEAR VEGETATION COMPLETELY IN ONE DAY. CONTRACTOR WILL LEAVE POCKETS OF SUITABLE HABITAT FOR AT LEAST 2 DAYS BEFORE CLEARING THE REMAINING VEGETATION.
- IF ACTIVE NESTS ARE FOUND, A BUFFER OF VEGETATION AT LEAST 100 FEET AROUND NESTS MUST BE PRESERVED UNTIL YOUNG HAVE FLEDGED AND THE MOLTING PERIOD HAS ENDED. WORK MAY PROCEED OUTSIDE OF THE 100-FOOT BUFFER ZONE WITH IMPLEMENTATION OF THE MINIMALIZATION MEASURES LISTED ABOVE.
- CONTRACTOR WILL DESIGNATE A BIOLOGICAL MONITOR TO OBSERVE FOR PIPING PLOVER AND RED KNOT DURING ACTIVE CONSTRUCTION. IF A SPECIES IS IDENTIFIED, CONTRACTOR SHALL STOP WORK AND NOTIFY THE ENGINEER AND CITY IMMEDIATELY.
 - THESE SPECIES ARE EXPECTED TO BE IN HIGHER ABUNDANCE DURING THE WINTERING MONTHS, WHICH SPAN JULY THROUGH APRIL.
- CONTRACTOR SHALL CONDUCT A WALK-THROUGH BEFORE THE START OF EACH CONSTRUCTION DAY TO VERIFY NO RED KNOTS OR PIPING PLOVERS ARE LOCATED WITHIN THE WORKING ZONE, ESPECIALLY AROUND EQUIPMENT DURING DAILY START-UP. SHOULD A RED KNOT OR PIPING PLOVER BE IDENTIFIED WITHIN THE WORK AREA, CONSTRUCTION ACTIVITIES WILL CEASE UNTIL THE BIRD HAS LEFT THE VICINITY OF ITS OWN VOLITION. THE LOCATION AND ACTIVITY OF THESE BIRDS WILL BE RECORDED AND REPORTED DAILY TO THE ENGINEER AND CITY, IF OBSERVED.
- IF AN EASTERN BLACK RAIL, PIPING PLOVER, OR RED KNOT IS FOUND IN THE ACTIVE WORK AREA, WORK WILL BE STOPPED UNTIL THE BIRDS LEAVE THE AREA ON THEIR OWN VOLITION.
- A MINIMUM OF A 75-FOOT AVOIDANCE BUFFER WILL BE IMPLEMENTED FOR ANY PIPING PLOVER OR RED KNOT OBSERVED IN AND AROUND THE PROJECT CONSTRUCTION AREA FOR THE DURATION OF CONSTRUCTION ACTIVITIES, MORE SPECIFICALLY, DURING THE SHOREBIRD WINTERING SEASON BETWEEN JULY 15 OF ONE YEAR AND EXTENDING THROUGH MAY 15 OF THE FOLLOWING YEAR.
- CONSTRUCTION EQUIPMENT AND MATERIALS WILL BE PLACED IN UPLAND AREAS AS FAR AWAY FROM THE PREFERRED HABITAT AS FEASIBLE. SIGNAGE WILL BE ERECTED NEAR THE INGRESS/EGRESS POINT TO EDUCATE AND AID CONSTRUCTION PERSONNEL IN THE IDENTIFICATION OF ENDANGERED SPECIES, AND A SYSTEM (RADIO COMMUNICATION OR HAND SIGNALS) WILL BE IMPLEMENTED BY WHICH CONSTRUCTION PERSONNEL CAN NOTIFY BIOLOGICAL OBSERVERS OF EASTERN BLACK RAIL, PIPING PLOVER, AND RED KNOT ENCOUNTERS.
- SICK OR INJURED PIPING PLOVERS, RED KNOTS, OR EASTERN BLACK RAILS WILL BE REPORTED TO THE ENGINEER AND THE CITY IMMEDIATELY.
- CONTRACTOR WILL RESTORE THE TIDAL FLATS WITHIN THE WORK CORRIDOR TO PRECONSTRUCTION SLOPE AND CONTOURS, AND LEVEL ALL RUTS.
- CONTRACTOR WILL AVOID WORKING IN IMPORTANT SHOREBIRD HABITATS WHEN WINTER WINDS ABOVE 20 MILES PER HOUR CO-OCCUR WITH TEMPERATURES BELOW 40 DEGREES. THESE CONDITIONS CAUSE THE BIRDS TO ROOST, OFTEN IN RUTS, TO CONSERVE ENERGY.

SIGNS AND PAVEMENT MARKINGS

1. ALL REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, AND BARRICADES SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD).
2. THE CONTRACTOR SHALL INSTALL ALL REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, BARRICADES, AND PAVEMENT MARKINGS IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AS INDICATED BY THE OWNER'S REPRESENTATIVE, AND MANUFACTURER'S RECOMMENDATIONS AS SOON AS PRACTICABLE AND PRIOR TO OPENING TO THE PUBLIC.
3. ALL CONNECTORS AND FASTENERS USED TO ATTACH THE SIGN TO THE POST SHALL BE GALVANIZED STEEL.
4. SIGN(S) SHALL BE INSTALLED AT TIME OF POST INSTALLATION TO ENSURE THE SIGN(S) WILL FACE THE CORRECT DIRECTION.
5. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO EXCAVATION.
6. ANY REGULATORY SIGNS, WARNING SIGNS, OBJECT MARKERS, AND BARRICADES DAMAGED PRIOR TO ACCEPTANCE SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

FINAL CLEAN-UP AND SITE PREPARATION

1. THE CONTRACTOR WILL BE REQUIRED TO REMOVE EXCESS MATERIALS AND CONSTRUCTION DEBRIS FROM THE PROJECT SITE, CLEAN ALL ROADS AND SIDEWALKS, CLEAR THE STORM SEWER OF SILT AND DEBRIS, CLEAR THE SANITARY SEWER OF DEBRIS, BRING ALL MANHOLES, VALVE BOX COVERS, FIRE HYDRANTS TO PROPER GRADE, AND CLEAR THE SITE OF ALL EQUIPMENT TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
2. MATERIALS LARGER THAN FOUR-INCHES (4") IN SIZE WITHIN THE CONSTRUCTION LIMITS AND NOT INCORPORATED INTO THE PROJECT SHALL BE REMOVED BY THE CONTRACTOR FROM THE PROJECT AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, UNLESS OTHERWISE DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
3. EROSION AND POLLUTION CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, REINFORCED SILT FENCE, INLET PROTECTION, HAY BALES, AND OTHER DEVICES AS DIRECTED BY THE OWNER'S REPRESENTATIVE SHALL BE VERIFIED AND REMEDIED TO MEET THE REQUIREMENTS OF THE DEVICE AND OWNER'S REPRESENTATIVE.
 - 3.1. THE CONSTRUCTION ENTRANCE SHALL BE REMOVED IN ITS ENTIRETY UNLESS OTHERWISE STATED BY THE ENGINEER.
 - 3.2. ADDITIONAL EROSION AND POLLUTION CONTROL DEVICES MAY BE REQUIRED TO HAVE THE PROJECT SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
4. THE CONTRACTOR SHALL GRADE AND STABILIZE THE SITE TO PREPARE THE SITE FOR THE INTENDED USE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

AS-BUILT DRAWINGS

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TWO (2) SETS OF "AS-BUILT" DRAWINGS SHOWING ILLUSTRATIONS AND/OR NOTES OF ALL FIELD CHANGES AND MODIFICATIONS TO THE DRAWINGS AS ISSUED FOR THE PROJECT. DETAILED SKETCHES SHALL BE PROVIDED FOR ALL WATERLINE TIE-INS SHOWING FITTINGS AND CONNECTION ARRANGEMENTS.
 - 1.1. AS-BUILT DRAWINGS SHALL BE SIGNED BY ALL CONTRACTOR DESIGNEE(S) AND INSPECTOR(S).
2. AT PROJECT COMPLETION, ALL SETS OF "AS-BUILT" DRAWINGS MUST BE SUBMITTED TO THE OWNER'S REPRESENTATIVE PRIOR TO PROJECT FINAL ACCEPTANCE AND FINAL RELEASE OF PAYMENT.

MISCELLANEOUS

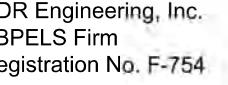
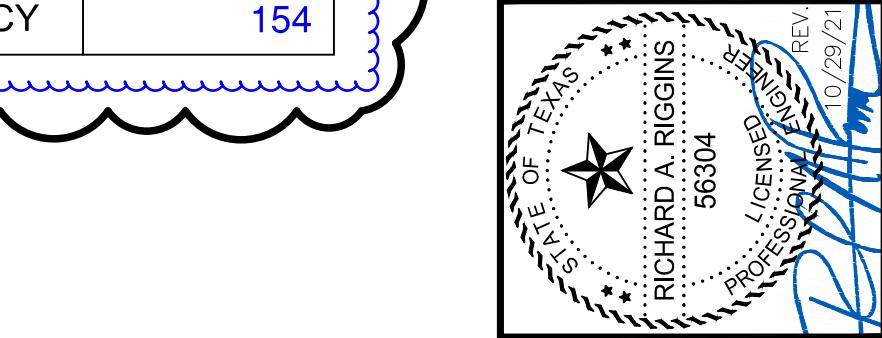
1. SELECT FILL MATERIALS AT THIS SITE, AS CLASSIFIED ACCORDING TO THE USCS, MUST BE CLAYEY-SAND (SC) ACCORDING TO THE GEOTECHNICAL REPORT. IN ADDITION TO THE USCS CLASSIFICATION, ALTERNATIVE SELECT FILL MATERIALS SHALL HAVE A MAXIMUM LIQUID LIMIT OF 40 PERCENT, A PLASTICITY INDEX BETWEEN 7 AND 18 PERCENT, AND A MAXIMUM PARTICLE SIZE NOT EXCEEDING 4 INCHES OR ONE-HALF THE LOOSE LIFT THICKNESS, WHICHEVER IS SMALLER. IN ADDITION, IF THESE MATERIALS ARE UTILIZED, GRAIN SIZE ANALYSES AND ATTERBERG LIMITS MUST BE PERFORMED DURING PLACEMENT AT A MINIMUM RATE OF ONE TEST EACH PER 5,000 CUBIC YARDS OF MATERIAL DUE TO THE HIGH DEGREE OF VARIABILITY ASSOCIATED WITH PIT RUN MATERIALS.

BASE BID SUMMARY OF IMPROVEMENTS		
DESCRIPTION	UNIT	TOTAL EST
FURNISH AND INSTALL YELLOW PAVEMENT MARKING CAPS	LF	550
FURNISH AND INSTALL WHITE PAVEMENT MARKING CAPS	LF	108
FURNISH AND INSTALL ACCESS MAT LAYDOWN AREA	SF	2955
FURNISH AND INSTALL TIMBER BOLLARDS (4 IN X 4 IN X 6 FT)	EA	11
FURNISH AND INSTALL RIPRAP (STONE COMMON, 6 IN)	CY	302
FURNISH AND INSTALL WETLANDS SEEDING	SY	19685
FURNISH AND INSTALL DUNE SEEDING	SY	3440
FURNISH AND INSTALL DUNE RESTORATION	CY	0.30
FURNISH & INSTALL SOLAR POWERED PROXIMITY CARD READER	EA	1
FURNISH & INSTALL SOLAR POWERED BARRIER ARM GATE	EA	1
FURNISH AND INSTALL PERMEABLE PLASTIC PAVERS	SF	86850
FURNISH & INSTALL WOVEN GEOTEXTILE	SY	10406
FURNISH & INSTALL COMPACTED NO. 57 STONE AGGREGATE	CY	2833
FURNISH & INSTALL 8" COMPACTED SAND SUBGRADE	CY	2312
FURNISH & INSTALL REINFORCED FABRIC FILTER FENCE	LF	5360
FURNISH & INSTALL 12" HDPE CORRGUGATED PIPE	LF	434
FURNISH & INSTALL STORM WATER PROTECTION PLAN (SW3P)	LS	1
FURNISH & INSTALL TRASH CAN ASSEMBLY	EA	1
FURNISH & INSTALL ENTRANCE SIGN ASSEMBLY	EA	1
FURNISH & INSTALL PARK RULES SIGN ASSEMBLY	EA	1
FURNISH & INSTALL STOP SIGN ASSEMBLY	EA	1
FURNISH & INSTALL SPEED LIMIT SIGN ASSEMBLY	EA	2
SITE CUT	CY	367
SITE FILL	CY	6608
FURNISH & INSTALL EARTHGUARD FIBER MATRIX	AC	1.35
FURNISH AND INSTALL BOLLARD FENCE (4 IN X 4 IN X 6 FT)	LF	7821
FURNISH AND INSTALL 6 IN THICK REINFORCED CONCRETE ENTRANCE DRIVEWAY (BY OTHERS)	SY	483

BASE BID (RESTROOM) SUMMARY OF IMPROVEMENTS		
DESCRIPTION	UNIT	TOTAL EST
FURNISH AND INSTALL PERMEABLE PLASTIC PAVERS	SF	1594
FURNISH & INSTALL WOVEN GEOTEXTILE	SY	178
FURNISH & INSTALL COMPACTED NO. 57 STONE AGGREGATE	CY	48
FURNISH & INSTALL 8" COMPACTED SAND SUBGRADE	CY	40
SITE CUT	CY	1
SITE FILL	CY	363
FURNISH & INSTALL FOUNDATION	EA	1
FURNISH & INSTALL RESTROOM FACILTIY (BY OTHERS)	EA	1
FURNISH AND INSTALL RIPRAP (STONE COMMON, 6 IN)	CY	18

ADDITIVE 1 (PARKING LOT B) BID SUMMARY OF IMPROVEMENTS		
DESCRIPTION	UNIT	TOTAL EST
FURNISH AND INSTALL PERMEABLE PLASTIC PAVERS	SF	28004
FURNISH & INSTALL WOVEN GEOTEXTILE	SY	3112
FURNISH & INSTALL COMPACTED NO. 57 STONE AGGREGATE	CY	847
FURNISH & INSTALL 8" COMPACTED SAND SUBGRADE	CY	692
FURNISH AND INSTALL WHITE PAVEMENT MARKING CAPS	LF	1064
FURNISH & INSTALL STOP SIGN ASSEMBLY	EA	1
FURNISH & INSTALL TRASH CAN ASSEMBLY	EA	1
FURNISH AND INSTALL RIPRAP (STONE COMMON, 6 IN)	CY	20
SITE CUT	CY	179
SITE FILL	CY	232

ADDITIVE 2 (PARKING LOT C) BID SUMMARY OF IMPROVEMENTS		
DESCRIPTION	UNIT	TOTAL EST
FURNISH AND INSTALL PERMEABLE PLASTIC PAVERS	SF	19300
FURNISH & INSTALL WOVEN GEOTEXTILE	SY	2145
FURNISH & INSTALL COMPACTED NO. 57 STONE AGGREGATE	CY	584
FURNISH & INSTALL 8" COMPACTED SAND SUBGRADE	CY	477
FURNISH AND INSTALL WHITE PAVEMENT MARKING CAPS	LF	936
FURNISH & INSTALL STOP SIGN ASSEMBLY	EA	1
FURNISH & INSTALL TRASH CAN ASSEMBLY	EA	1
FURNISH AND INSTALL RIPRAP (STONE COMMON, 6 IN)	CY	24
SITE CUT	CY	345
SITE FILL	CY	154



DR Engineering, Inc.
BPELS Firm
Registration No. E 754

NOTICE

<p style="text-align: center;">NOTICE</p> <p>1. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) ON THIS PROJECT ARE SOLELY RESPONSIBLE FOR CONTACTING TEXAS 811, LONE STAR 811, AND OTHER UTILITY LOCATING COMPANIES, AS WELL AS LOCAL UTILITIES (WATER, STORM SEWER, SANITARY SEWER, GAS, TRAFFIC, ETC.) BY ALL MEANS POSSIBLE FOR THE LOCATING AND MARKING OF UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO CONSTRUCTION.</p> <p>2. HANSON PROFESSIONAL SERVICES INC.. AND ITS REPRESENTATIVES MAKE NO GUARANTEES THAT ALL UTILITIES WITHIN AND ADJACENT TO THE PROJECT SITE ARE INDICATED ON THE CONSTRUCTION DRAWINGS.</p> <p>3. DAMAGES TO UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS SOLE EXPENSE.</p>	<p style="text-align: center;">FBI LEO FIRM Registration No. F-754</p> <p style="text-align: center;"> Know what's below. Call before you dig.</p> <p style="text-align: center;">811 OR 1-800-344-8377 OR www.texas811.org GIVE 4 WORKING DAYS (M-F) NOTICE</p>
<p style="margin-bottom: 0;">GENERAL NOTE</p> <p style="margin-top: 0;">4</p>	
<p style="margin-top: 0;">SOUTH PADRE ISLAND WIND & WAVE SOUTH PADRE ISLAND</p>	



ABOVE IMAGE IS FROM www.lonestar811.com; LONE STAR 811, 393 N. BELT E., SUITE 1100, HOUSTON, TEXAS 77060-0806; (713) 432-0365.
1-800-669-8344 OR www.lonestar811.com
GIVE 4 WORKING DAYS (M-F) NOTICE



**Know what's below.
Call before you dig.**

www.texas811.org, TEXAS EXCAVATION SAFETY SYSTEM INC., 11001 DRAVENVILLE AVENUE, SUITE 100, DALLAS, TEXAS 75244-6599 (972) 791-2111
R 1-800-344-8377 OR www.texas811.org
IF 4 WORKING DAYS (M-F) NOTICE

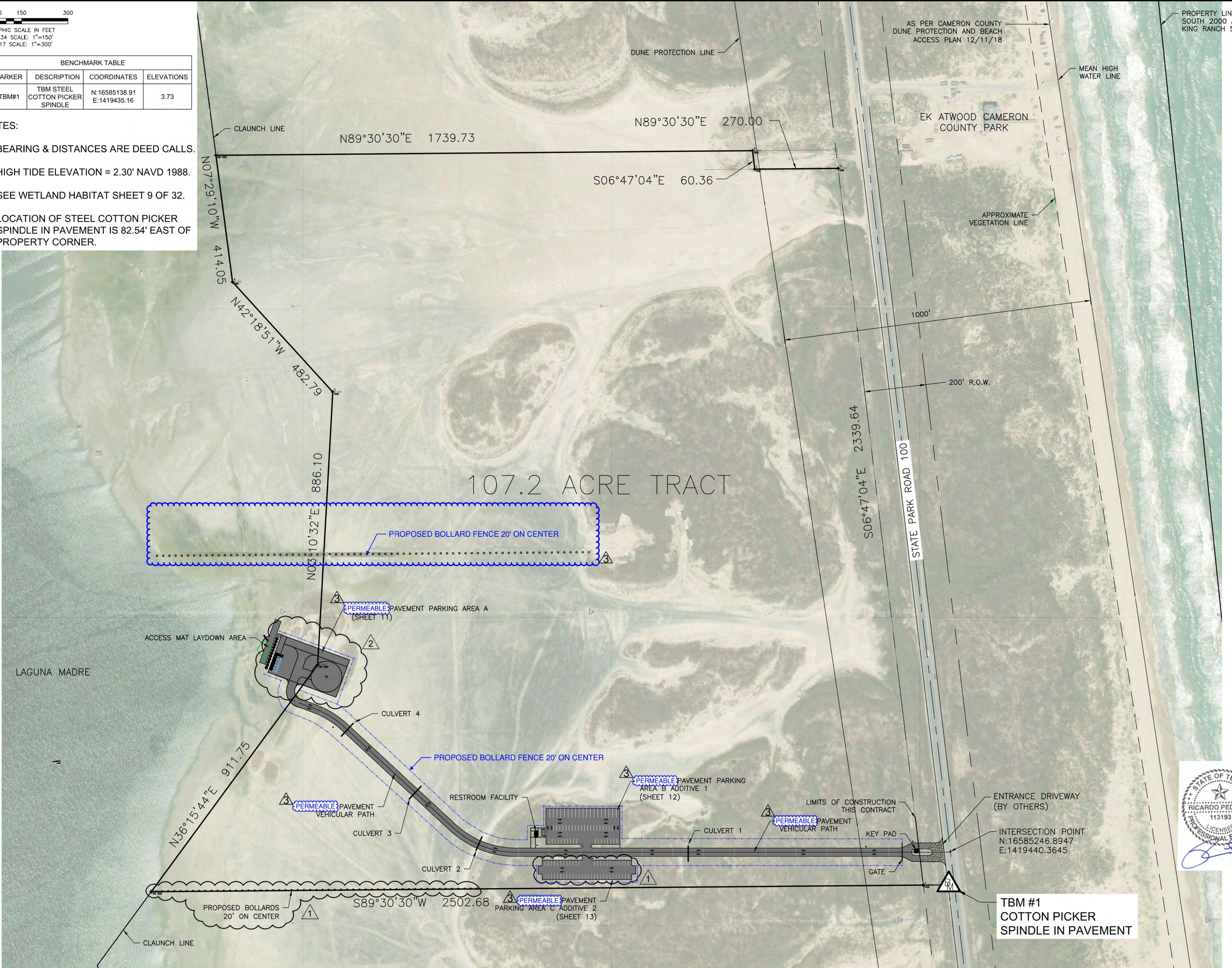


0 75 150 300
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=150'
11X17 SCALE: 1"=300'

BENCHMARK TABLE			
MARKER	DESCRIPTION	COORDINATES	ELEVATIONS
TBM#1	TBM STEEL COTTON PICKER SPINDLE	N:16585138.91 E:1419435.16	3.73

NOTES:

1. BEARING & DISTANCES ARE DEED CALLS.
2. HIGH TIDE ELEVATION = 2.30' NAVD 1988.
3. SEE WETLAND HABITAT SHEET 9 OF 32.
4. LOCATION OF STEEL COTTON PICKER SPINDLE IN PAVEMENT IS 82.54' EAST OF PROPERTY CORNER.

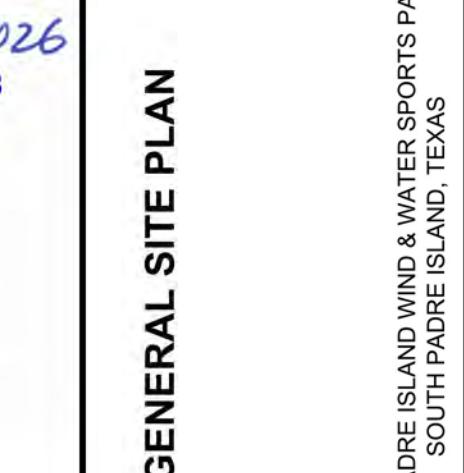
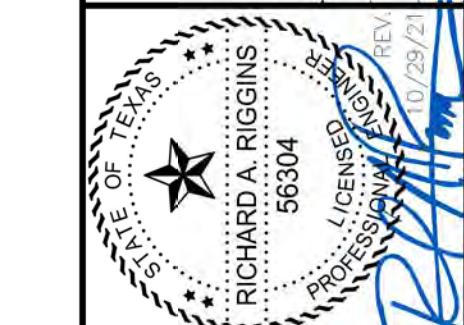


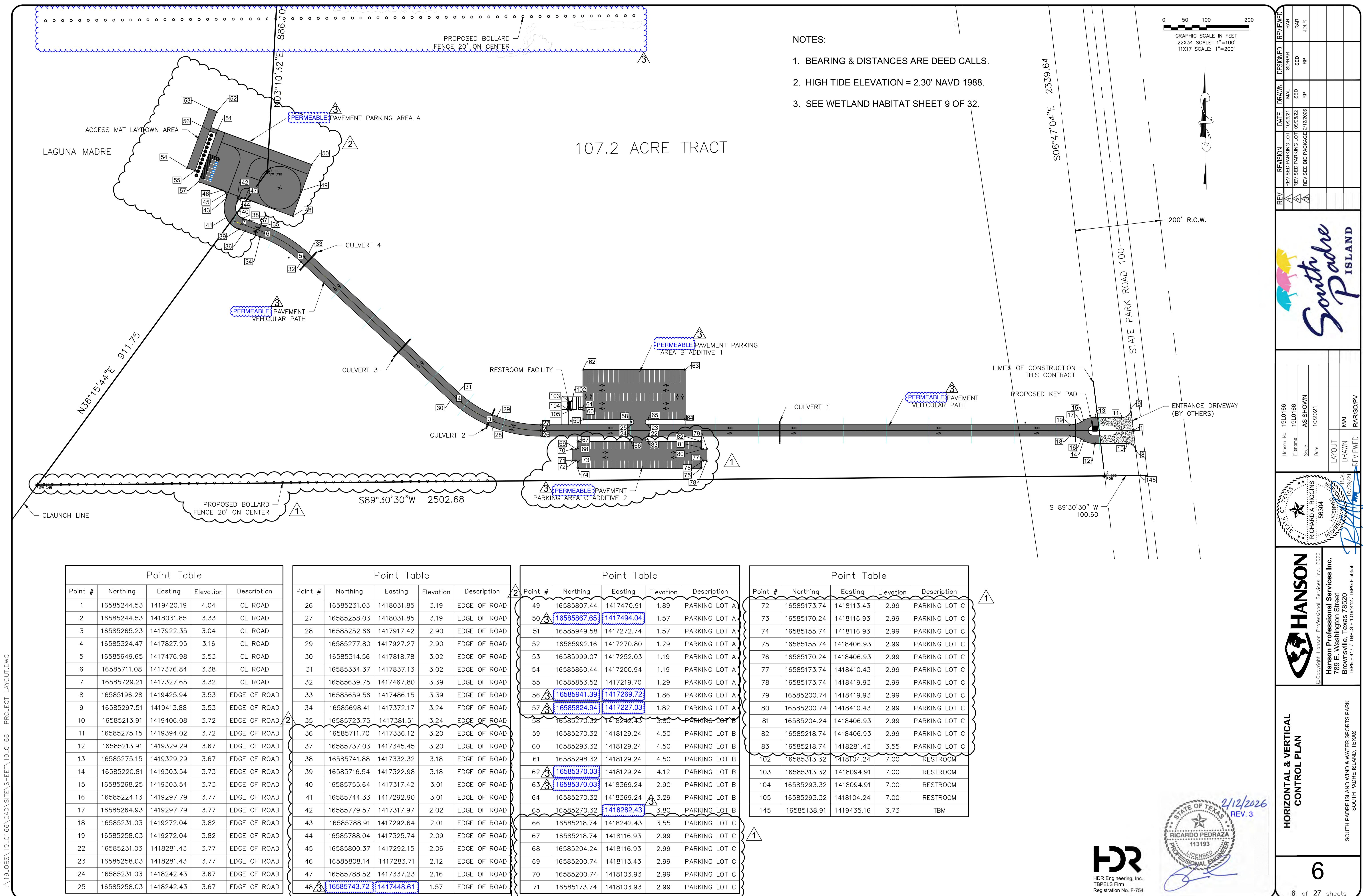
PROPERTY LINE
SOUTH 2000 AC. OR
KING RANCH 5000 AC.

REV	REVISION	DATE	DRAWN	DESIGNED	REVIEWED
▲	REVISED PARKING LOT	10/29/21	MAL	SPURAR	RAR
▲	REVISED BID PACKAGE	2/12/2026	SED	RP	JDLR
▲					

South Padre
ISLAND

Human No. 19L0166	Human No. 19L0166
File Name:	File Name:
Scale:	AS SHOWN
Date:	10/20/21
LAYOUT	LAYOUT
DRAWN	DRAWN
REVIEWED	REVIEWED





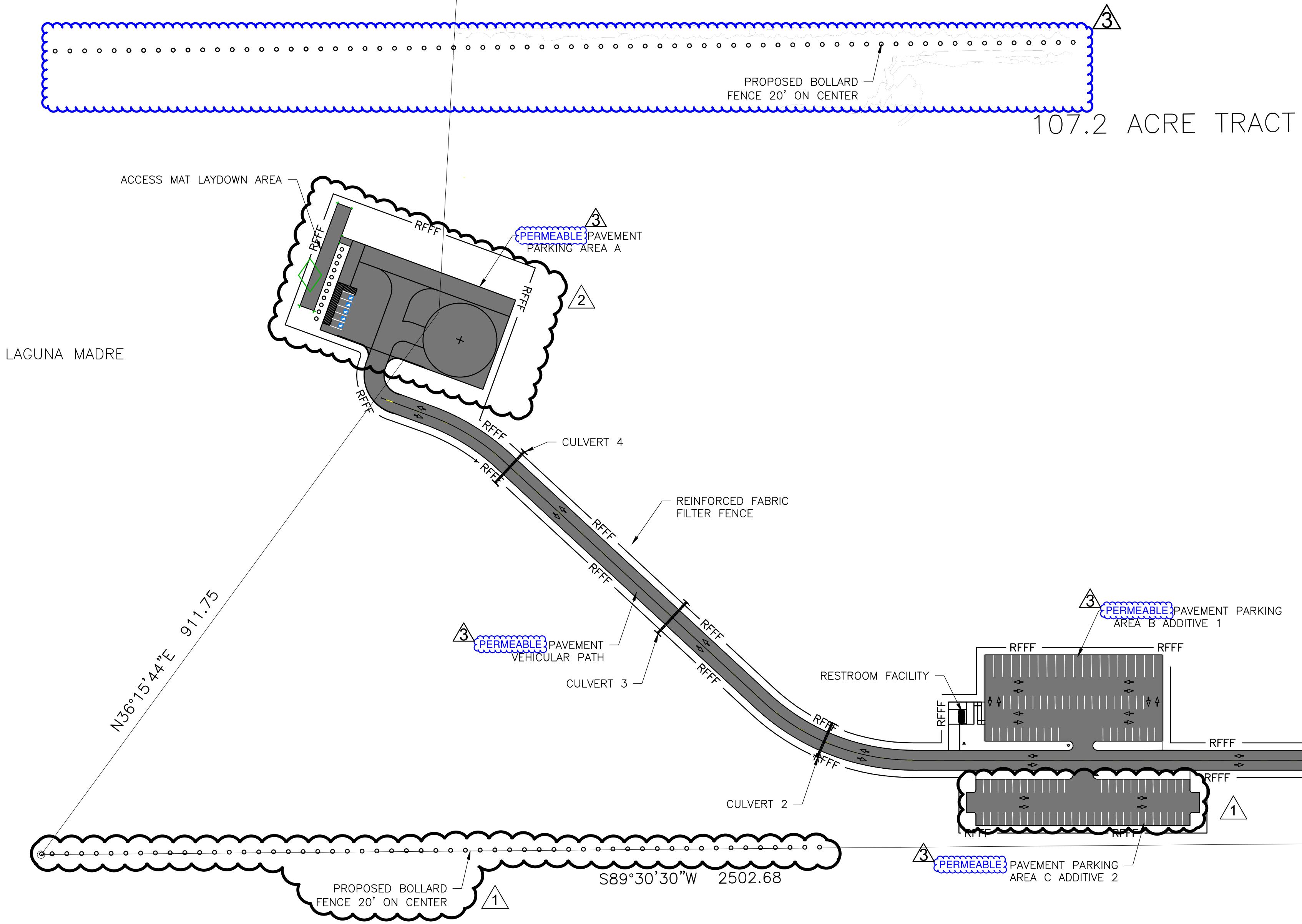
MAR 22, 2023 4:07 PM LOYA01776

LEGEND

RFFF — REINFORCED FILTER FABRIC FENCE

0 50 100 200

No 3°10'32"E 886.10



0 50 100 200
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=100'
11X17 SCALE: 1"=200'



South Padre
ISLAND

2/12/2026
REV. 3



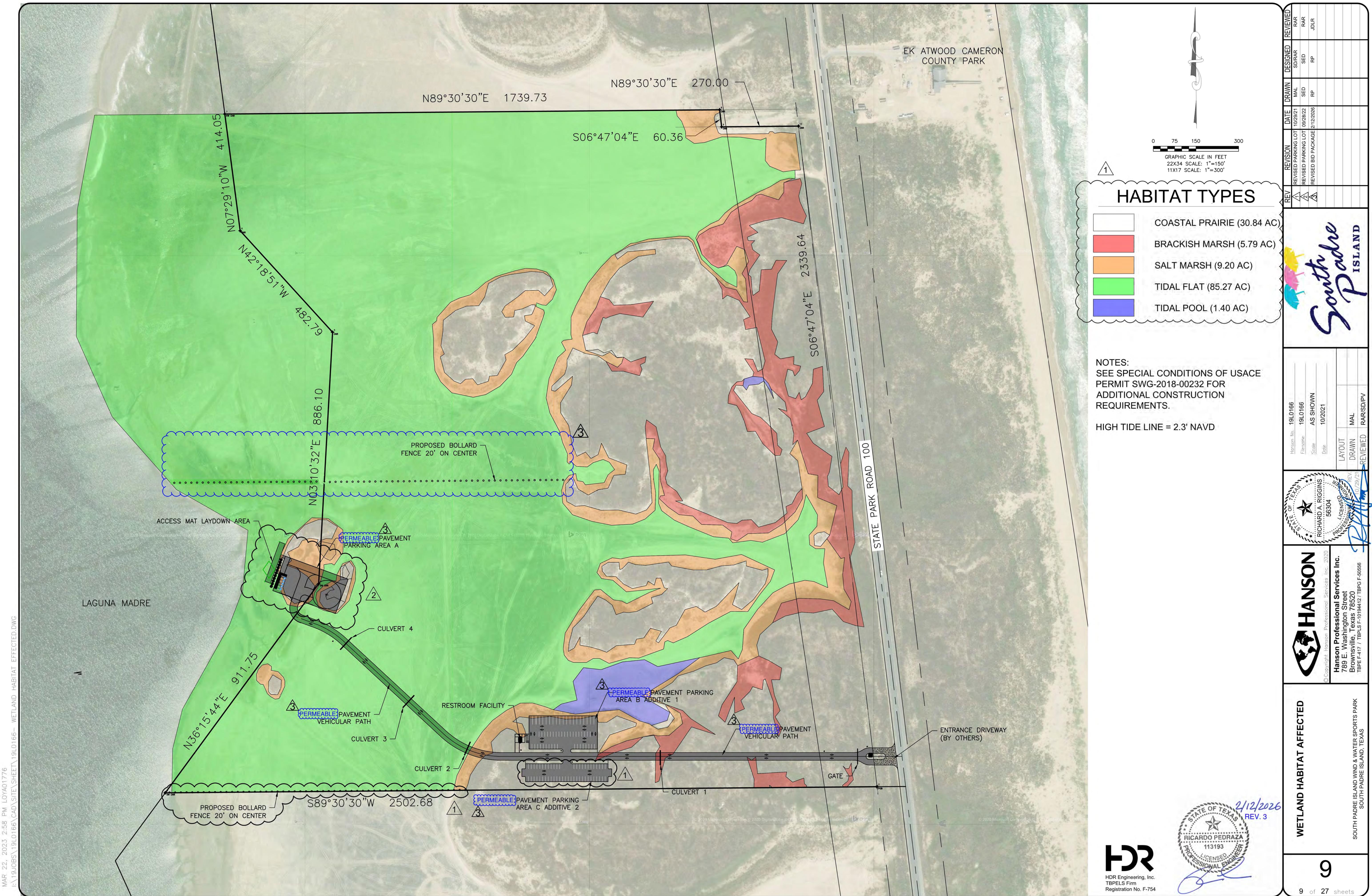
HDR
HDR Engineering, Inc.
TPBELS Firm
Registration No. F-754

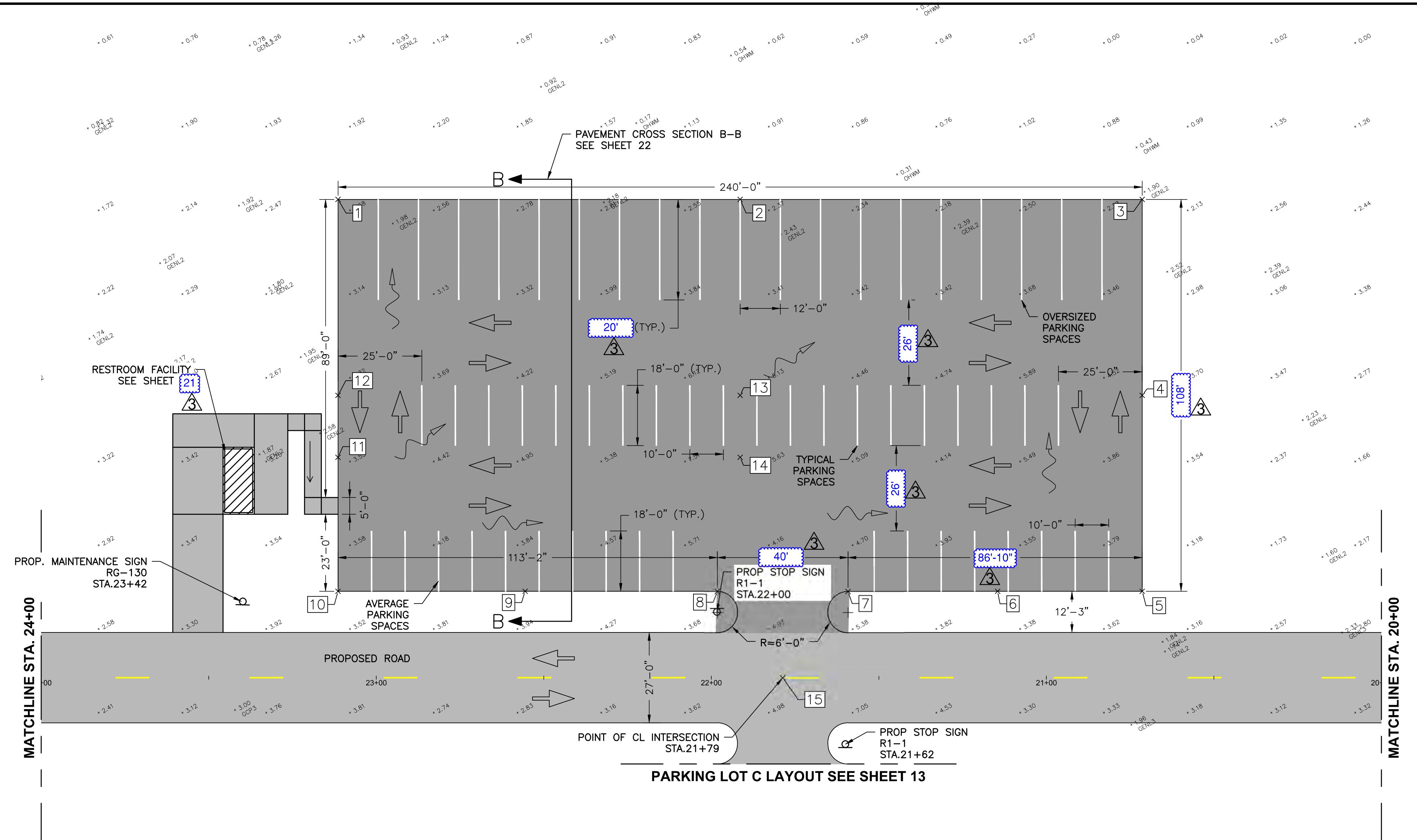


HANSON
Hanson Professional Services Inc.
780 E. Washington Street
Brownsville, Texas 78520
TPBELF-1417 / TPBLF-1019442 / TPBPG-F-50556

7

7 of 27 sheets

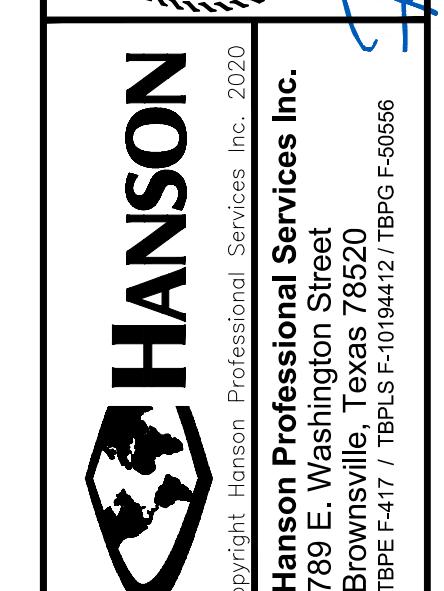
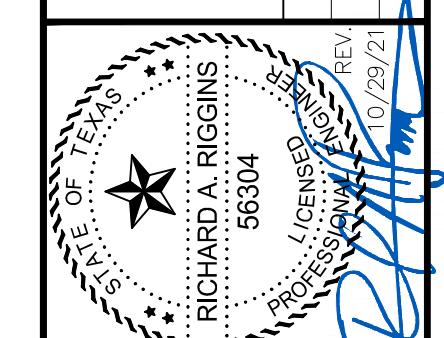


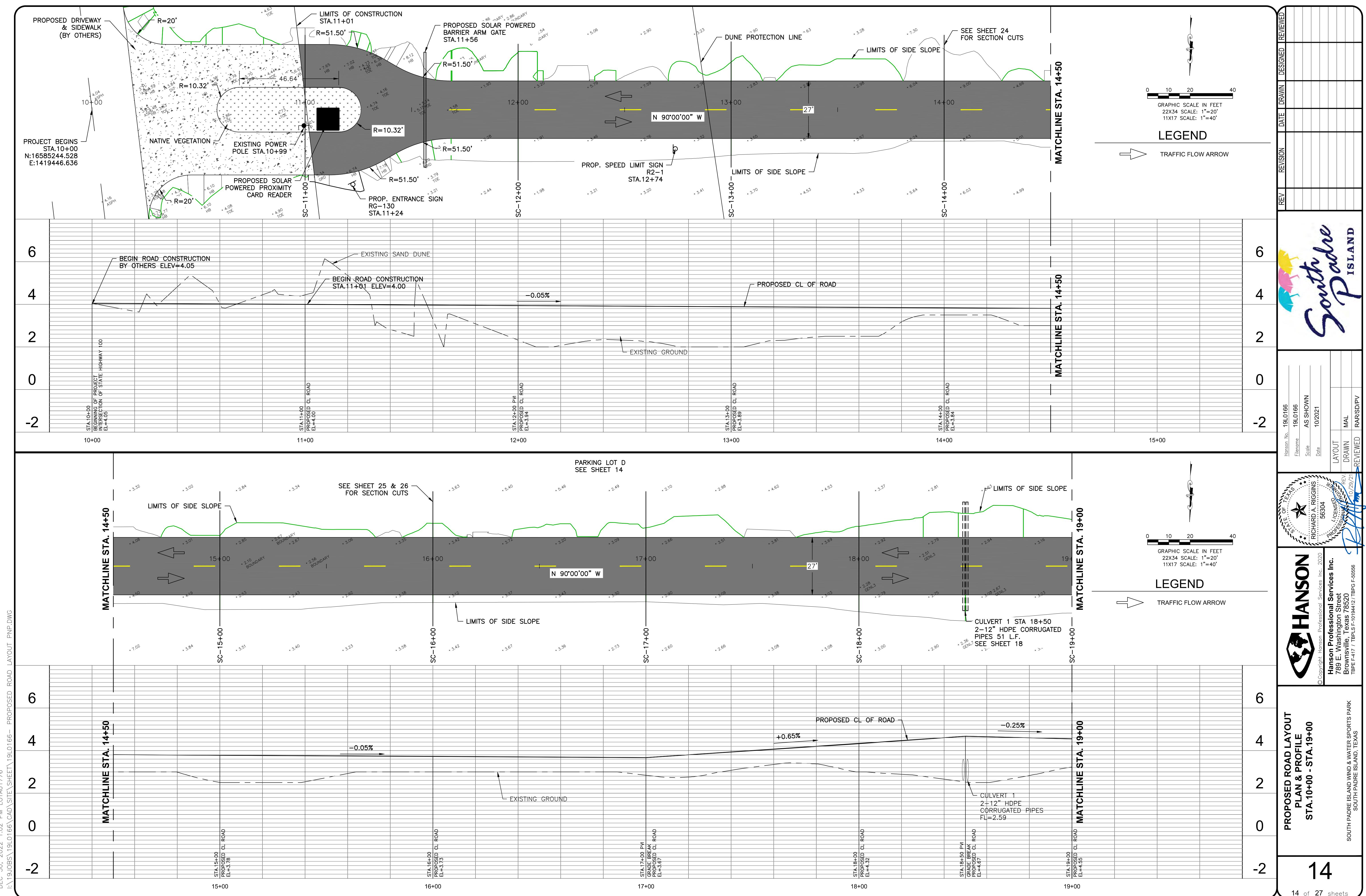


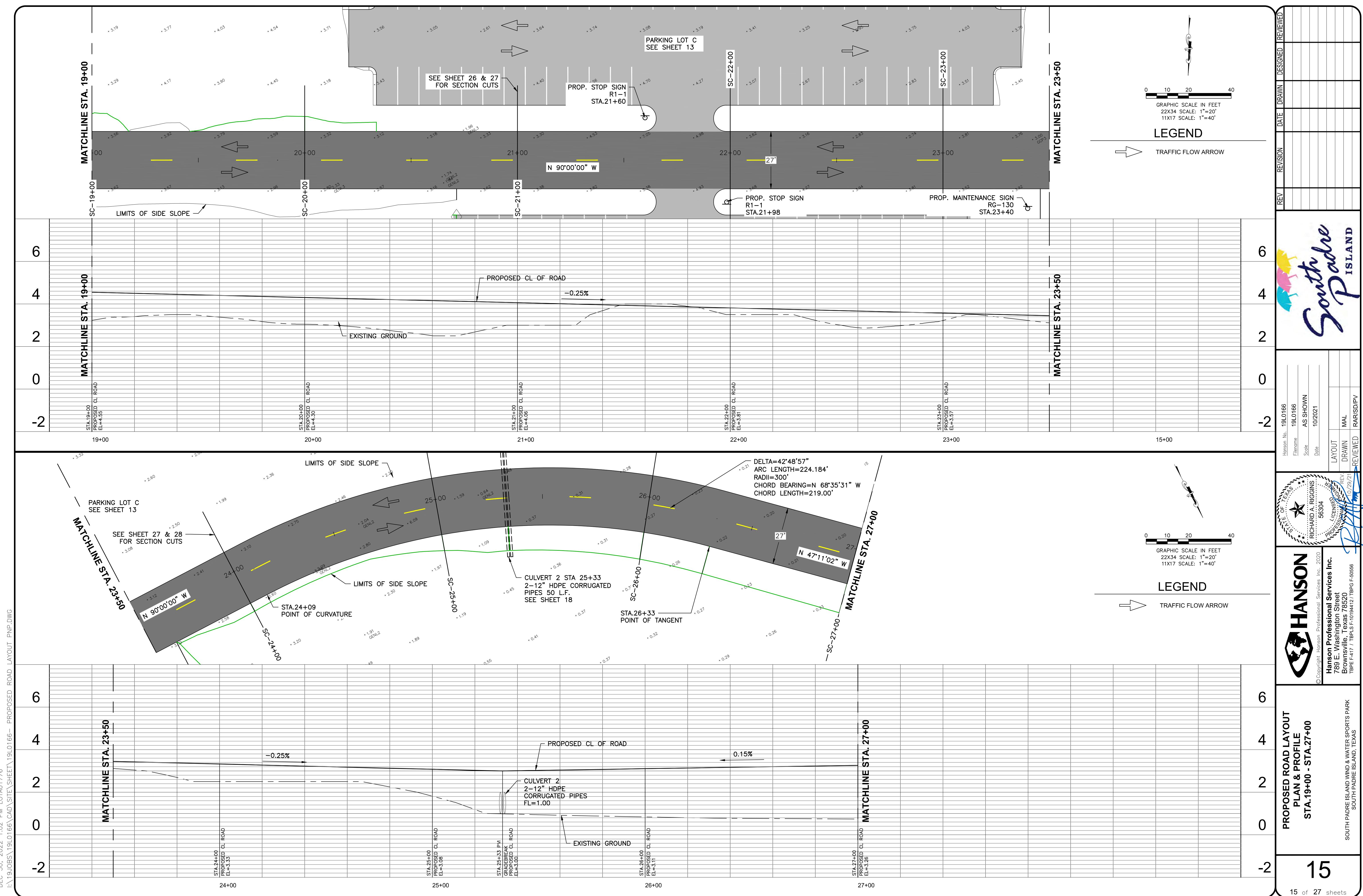
Point Table				
Point #	Elevation	Northing	Eastng	Description
1	4.12	16585370.03	1418129.24	TOP OF PAVEMENT
2	3.51	16585370.03	1418249.24	TOP OF PAVEMENT
3	2.90	16585370.03	1418369.24	TOP OF PAVEMENT
4	3.19	16585328.82	1418369.24	TOP OF PAVEMENT
5	3.29	16585270.32	1418369.24	TOP OF PAVEMENT
6	3.54	16585270.32	1418326.08	TOP OF PAVEMENT
7	3.80	16585270.32	1418282.43	TOP OF PAVEMENT
8	3.80	16585270.32	1418242.43	TOP OF PAVEMENT
9	4.25	16585270.32	1418185.08	TOP OF PAVEMENT
10	4.50	16585270.32	1418129.24	TOP OF PAVEMENT
11	4.50	16585310.32	1418129.24	TOP OF PAVEMENT
12	4.41	16585328.82	1418129.24	TOP OF PAVEMENT
13	3.80	16585328.82	1418249.24	TOP OF PAVEMENT
14	3.89	16585310.32	1418249.24	TOP OF PAVEMENT
15	3.86	16585244.53	1418261.93	CL INTERSECTION



2/12/2026
REV. 3

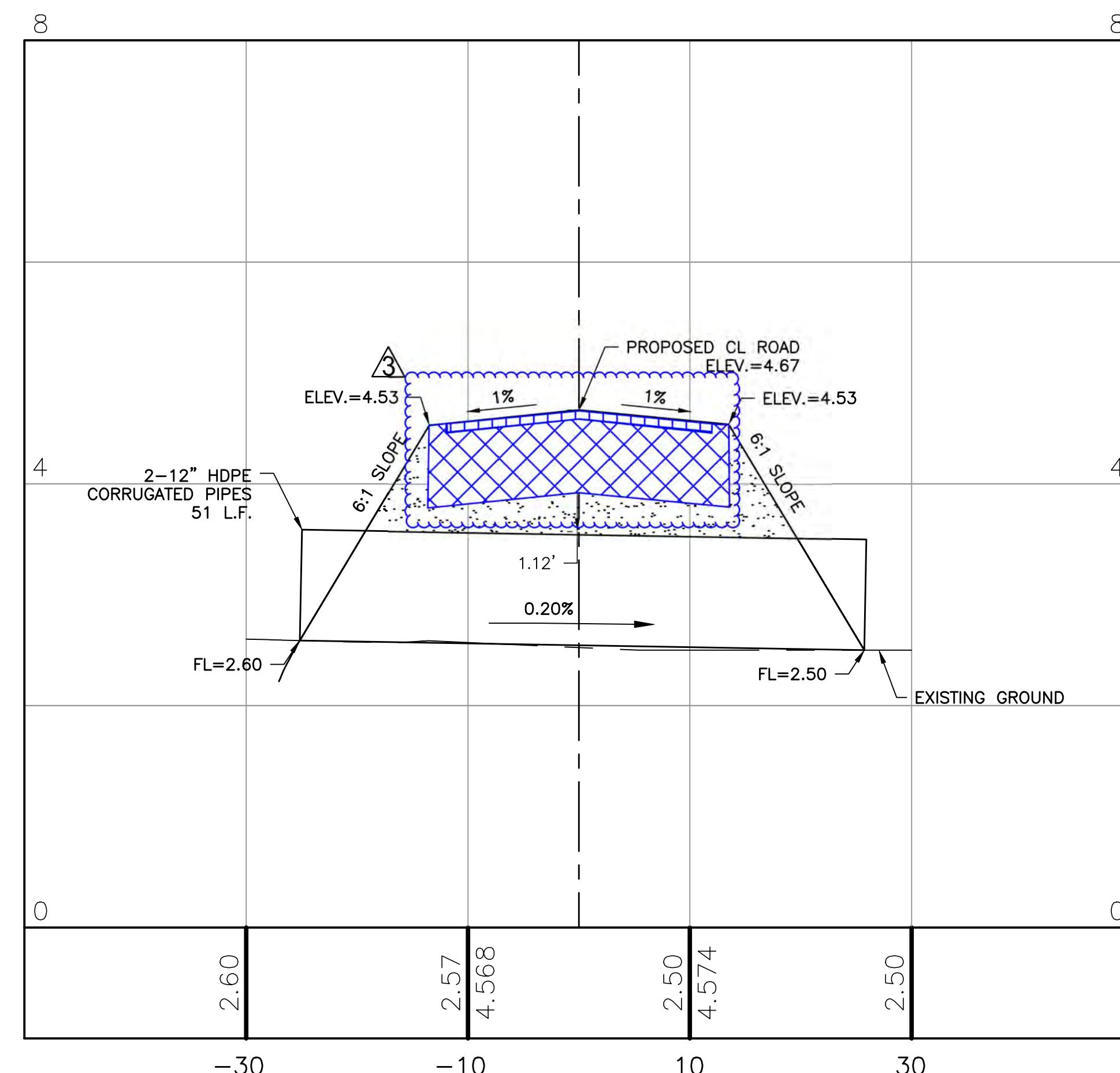




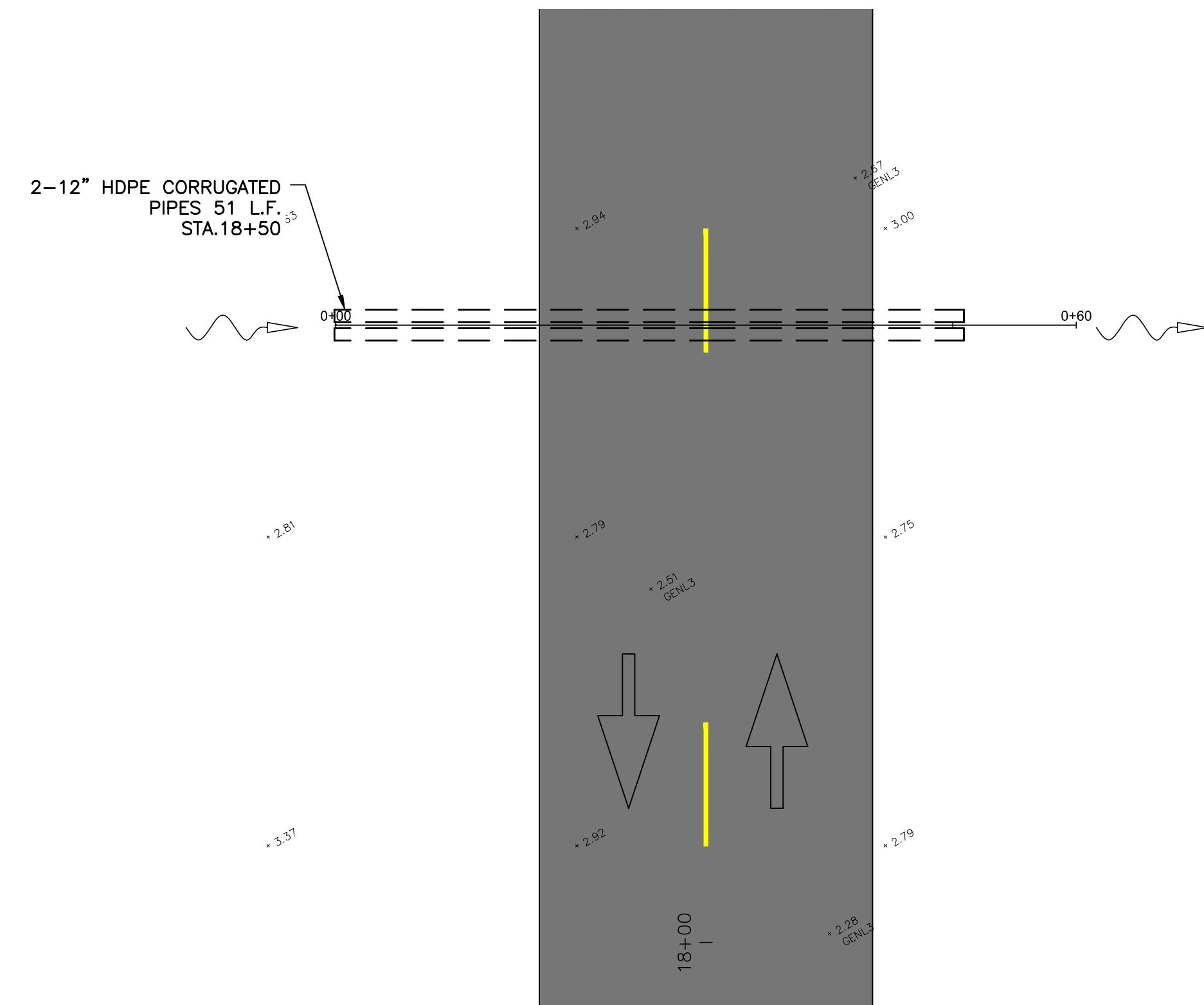




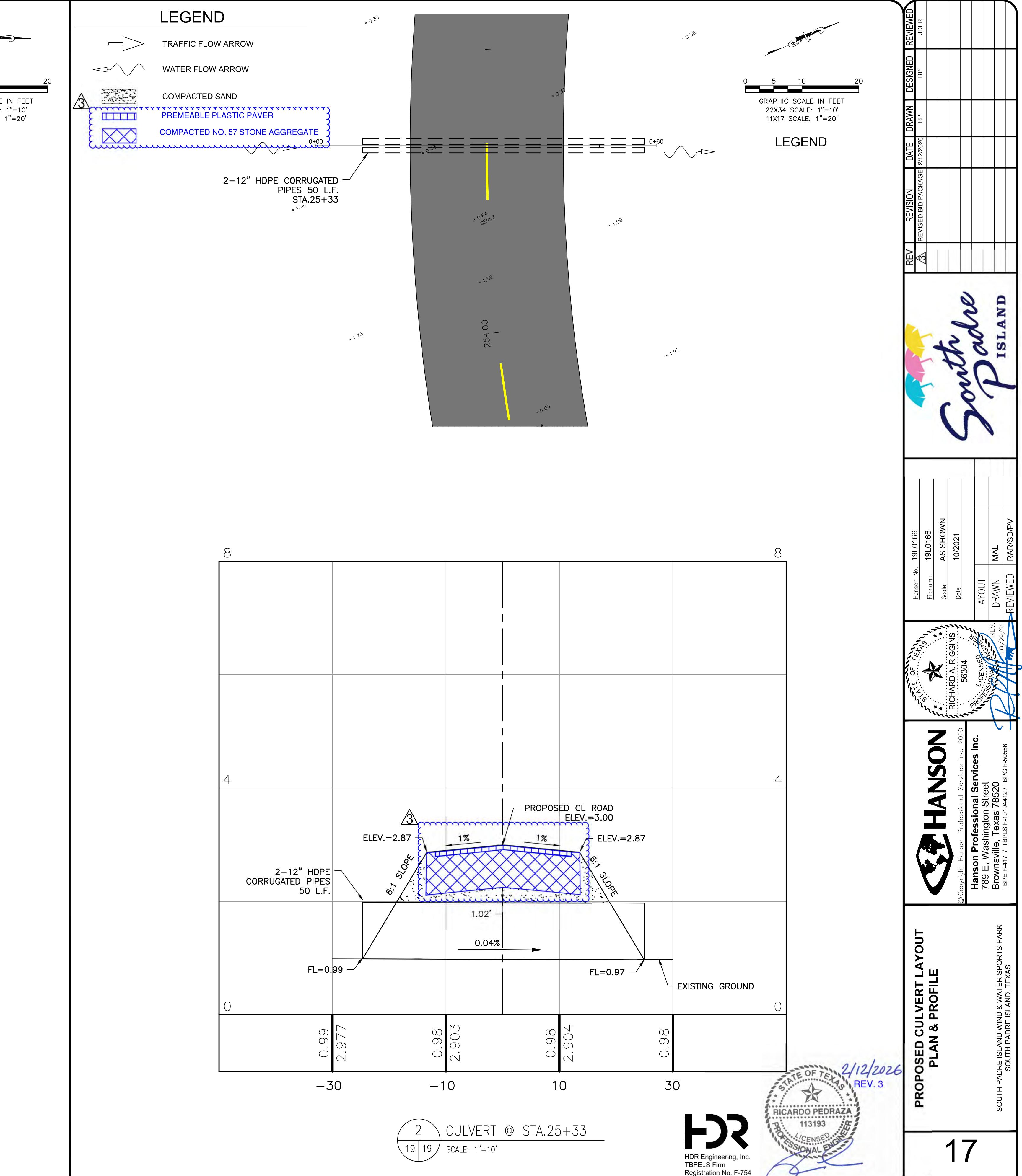
DEC 30, 2022 1:03 PM LOYAO1776

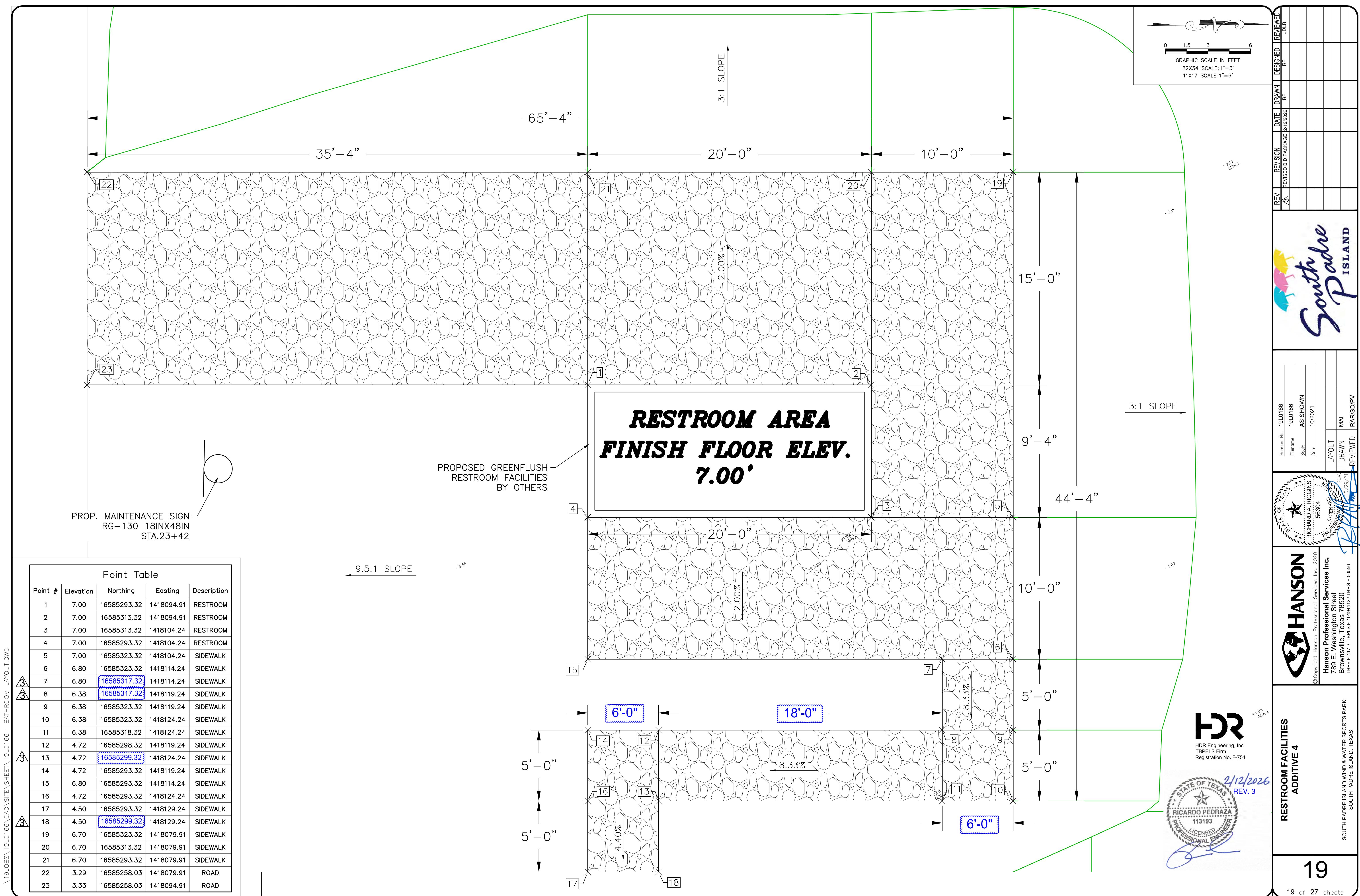


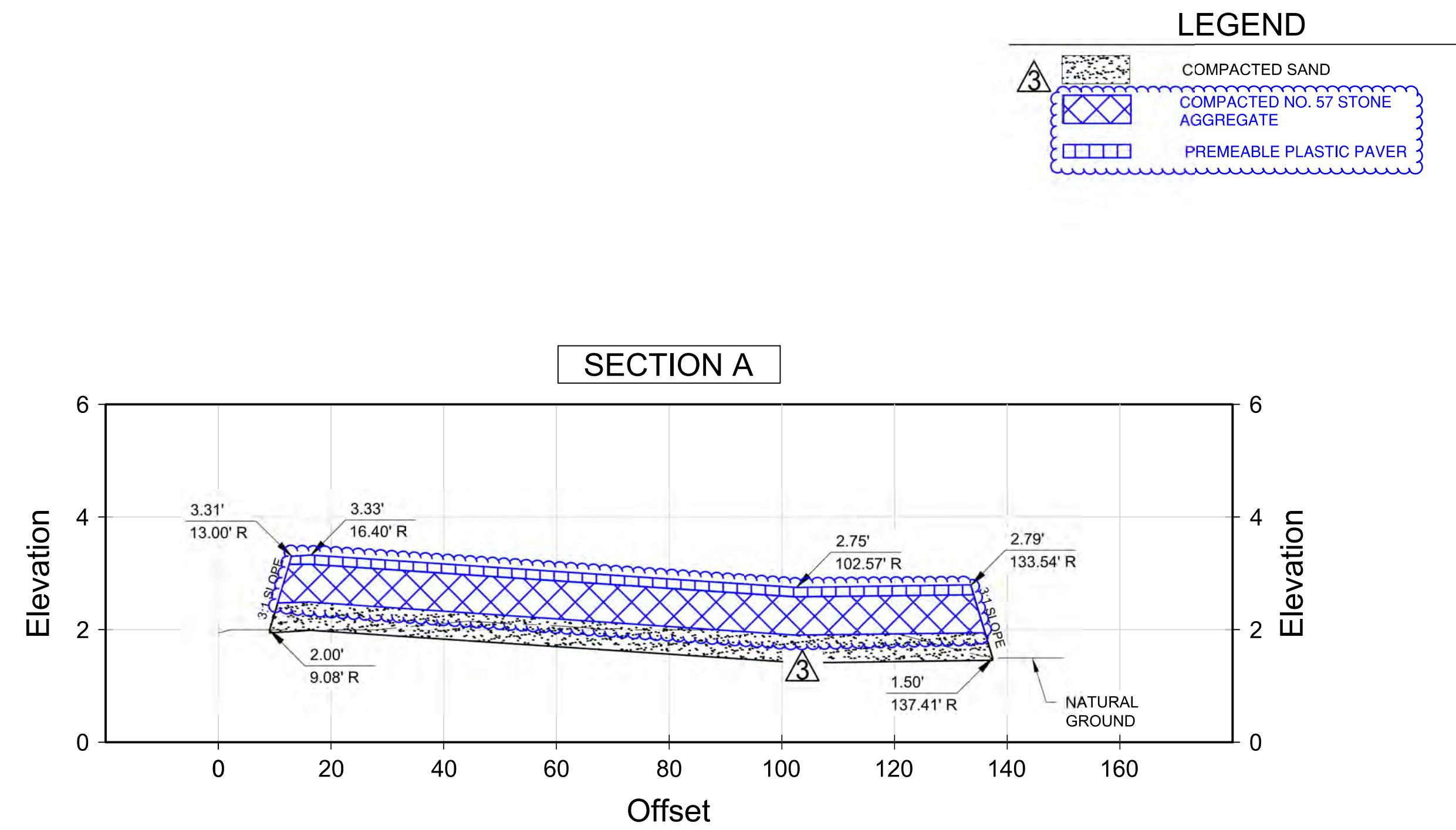
1
19 19
CULVERT @ STA.18+50
SCALE: 1"=10'



2
19 19
CULVERT @ STA.25+33
SCALE: 1"=10'

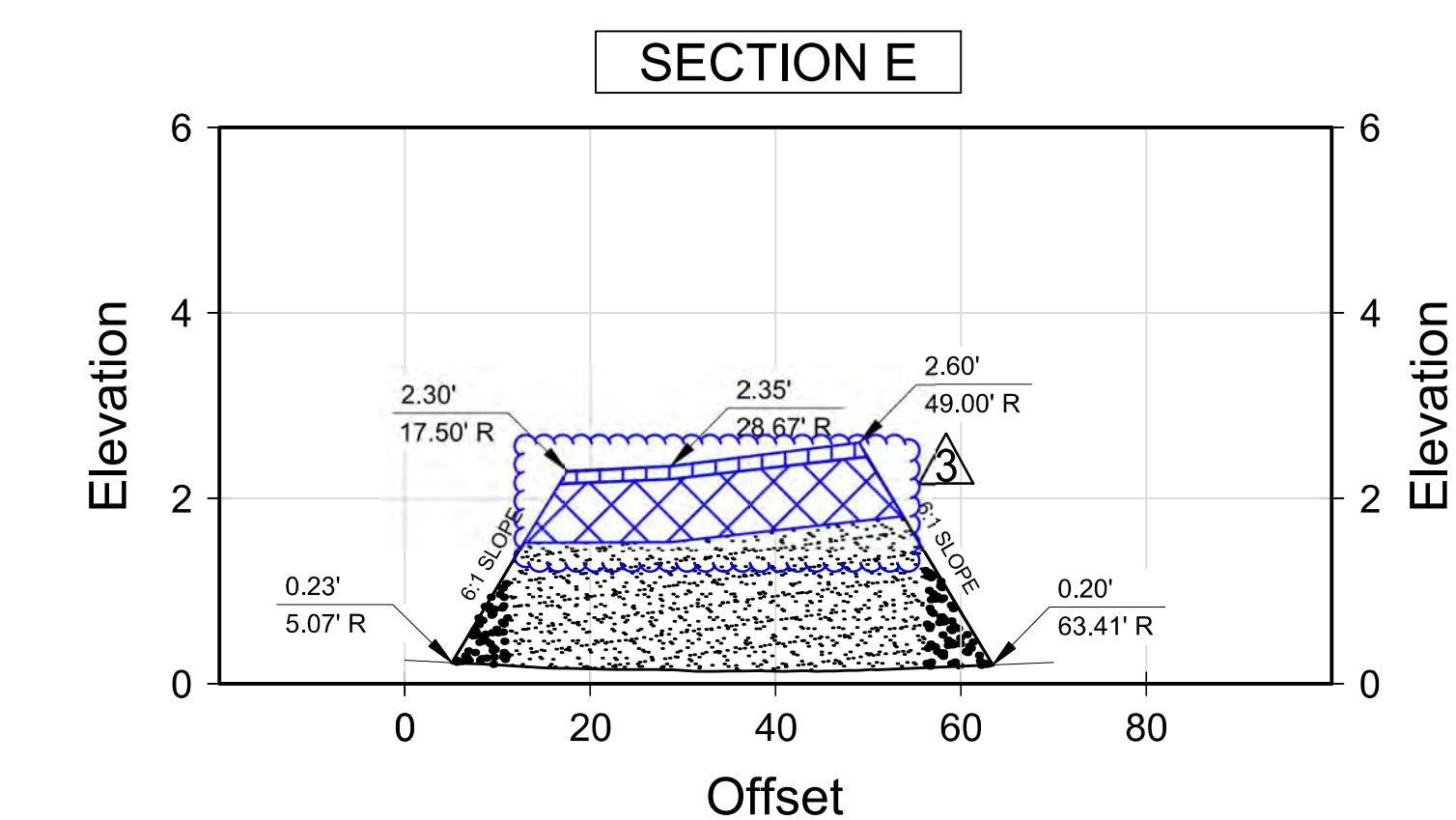
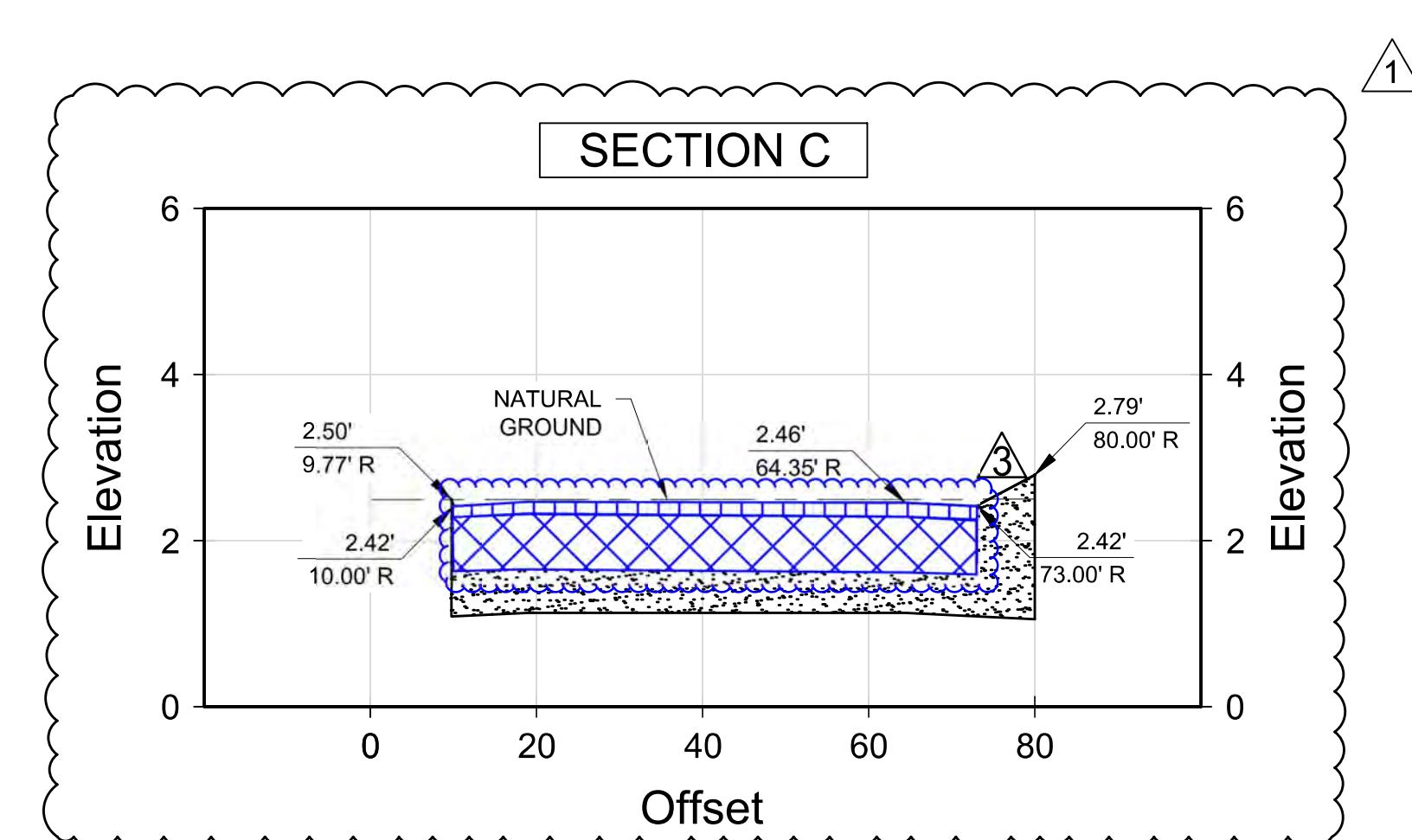
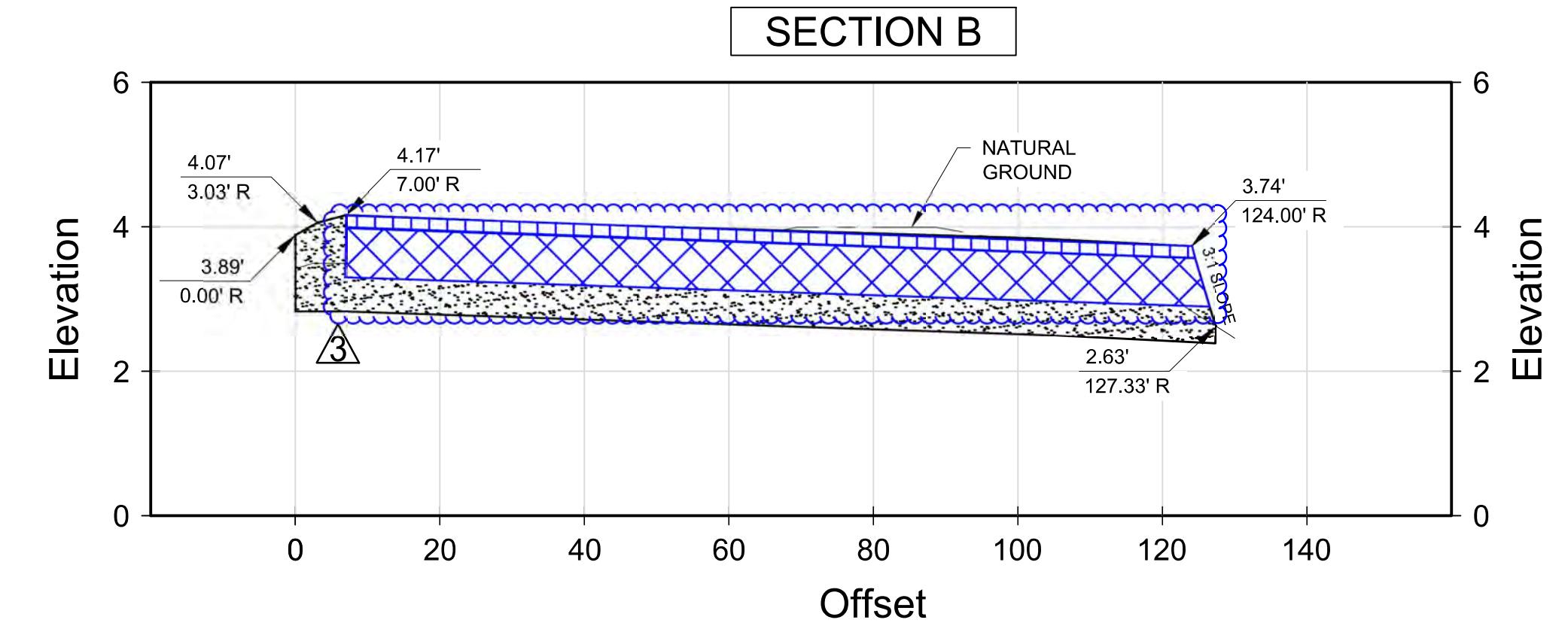






NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 23 OF 33
FOR MORE INFORMATION ON HATCHING AND DESIGN.

0 10 20 40
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=20'
11X17 SCALE: 1"=40'



PARKING LOT & LOADING AREA CROSS SECTION

HANSON
Hanson Professional Services Inc. 2020
780 E. Washington Street
Austin, Texas 78701-3444 / TEL: 512-467-1000
FAX: 512-467-1001

REVIEWED	REVISED	REVISION	DATE	DRAWN	DESIGNED	REVIEWED
3	3	3	10/29/21	RP	RP	RP
REVISED BID PACKAGE			2/12/2026	RP	RP	RP

South Padre ISLAND

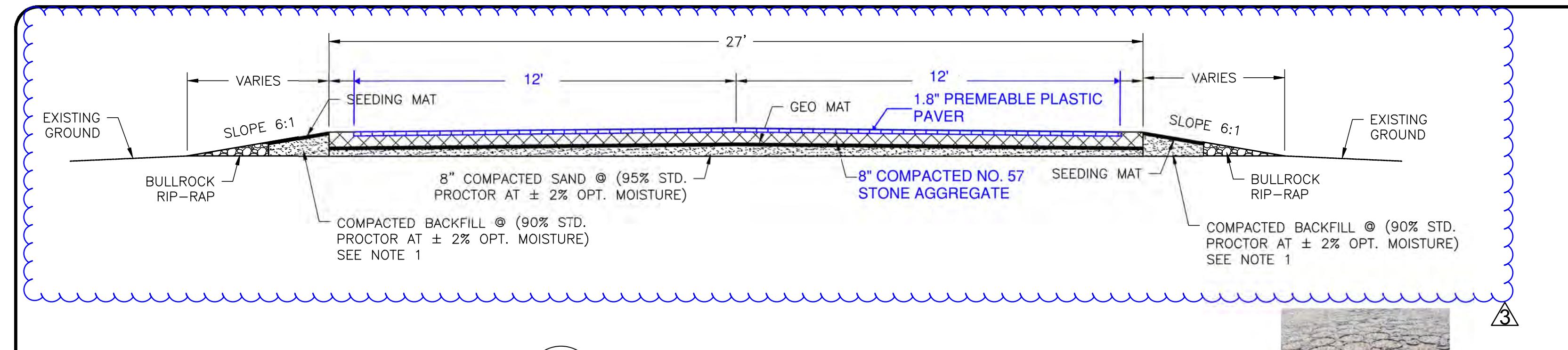
RICHARD A. ROGINS
56304
PROFESSIONAL ENGINEER
CENSUS 2020
PROFESSIONAL SERVICES INC.
HANSON PROFESSIONAL SERVICES INC.
780 E. Washington Street
Austin, Texas 78701-3444 / TEL: 512-467-1000
FAX: 512-467-1001

RICARDO PEDRAZA
113193
PROFESSIONAL ENGINEER
LICENCED
STATE OF TEXAS
RICOH
2/12/2026
REV. 3

HDR
HDR Engineering, Inc.
TPPELS Firm
Registration No. F-754

20

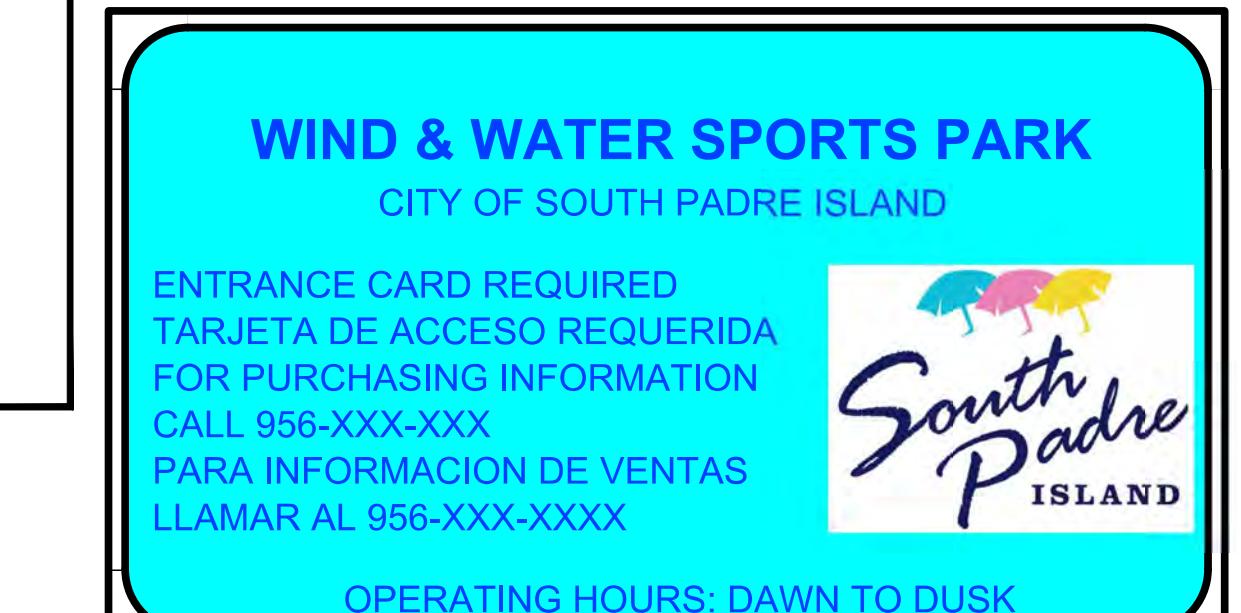
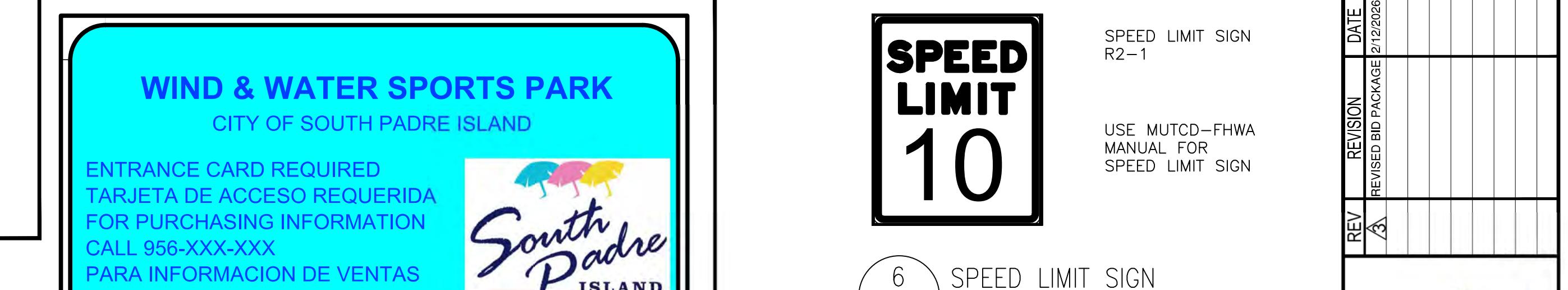
20 of 27 sheets



1
- 23 TYPICAL ROAD SECTION DETAIL
SCALE: N.T.S.

NOTES:

1. SELECT FILL MATERIALS AT THIS SITE, AS CLASSIFIED ACCORDING TO THE USCS, MUST BE CLAYEY-SAND (SC) ACCORDING TO THE GEOTECHNICAL REPORT. IN ADDITION TO THE USCS CLASSIFICATION, ALTERNATIVE SELECT FILL MATERIALS SHALL HAVE A MAXIMUM LIQUID LIMIT OF 40 PERCENT, A PLASTICITY INDEX BETWEEN 7 AND 18 PERCENT, AND A MAXIMUM PARTICLE SIZE NOT EXCEEDING 4 INCHES OR ONE-HALF THE LOOSE LIFT THICKNESS, WHICHEVER IS SMALLER. IN ADDITION, IF THESE MATERIALS ARE UTILIZED, GRAIN SIZE ANALYSES AND ATTERBERG LIMITS MUST BE PERFORMED DURING PLACEMENT AT A MINIMUM RATE OF ONE TEST EACH PER 5,000 CUBIC YARDS OF MATERIAL DUE TO THE HIGH DEGREE OF VARIABILITY ASSOCIATED WITH PIT-RUN MATERIALS.
2. CUSTOM SIGNS MUST BE FROM CORPUS CHRISTI STAMP WORKS OR APPROVED ALTERNATIVE. SIGN TEXT STYLE TO BE DETERMINED AT TIME OF ORDERING. SIGN BACKGROUND COLOR TO BE DETERMINED.



4
- 23 ENTRANCE SIGN
SCALE: N.T.S.



5
- 23 RULES SIGN
SCALE: N.T.S.

Design No. 19L0166
Filename 19L0166
Scale AS SHOWN
Date 10/2021
CENSUS 2020
PROFESSIONAL SERVICES INC.
56304
REVIEWED 02/27/2022
LAYOUT DRAWN M&E RAPS/DIV
REVIEWED 02/27/2022
REVIEWED 02/27/2022

RICHARD A. REGGINS
RICHARD A. REGGINS
56304
PROFESSIONAL SERVICES INC.
10/2021
REVIEWED 02/27/2022
LAYOUT DRAWN M&E RAPS/DIV
REVIEWED 02/27/2022
REVIEWED 02/27/2022

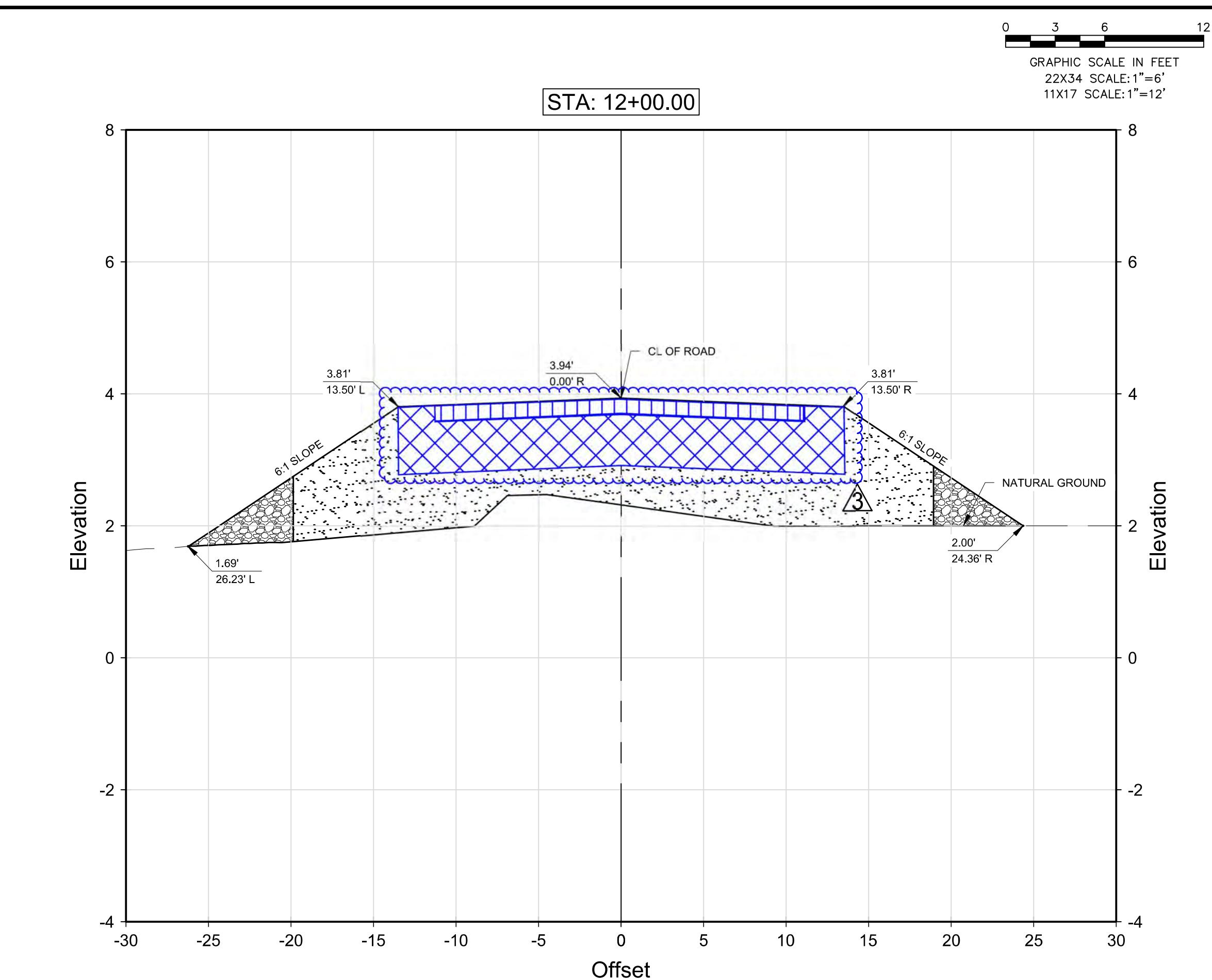
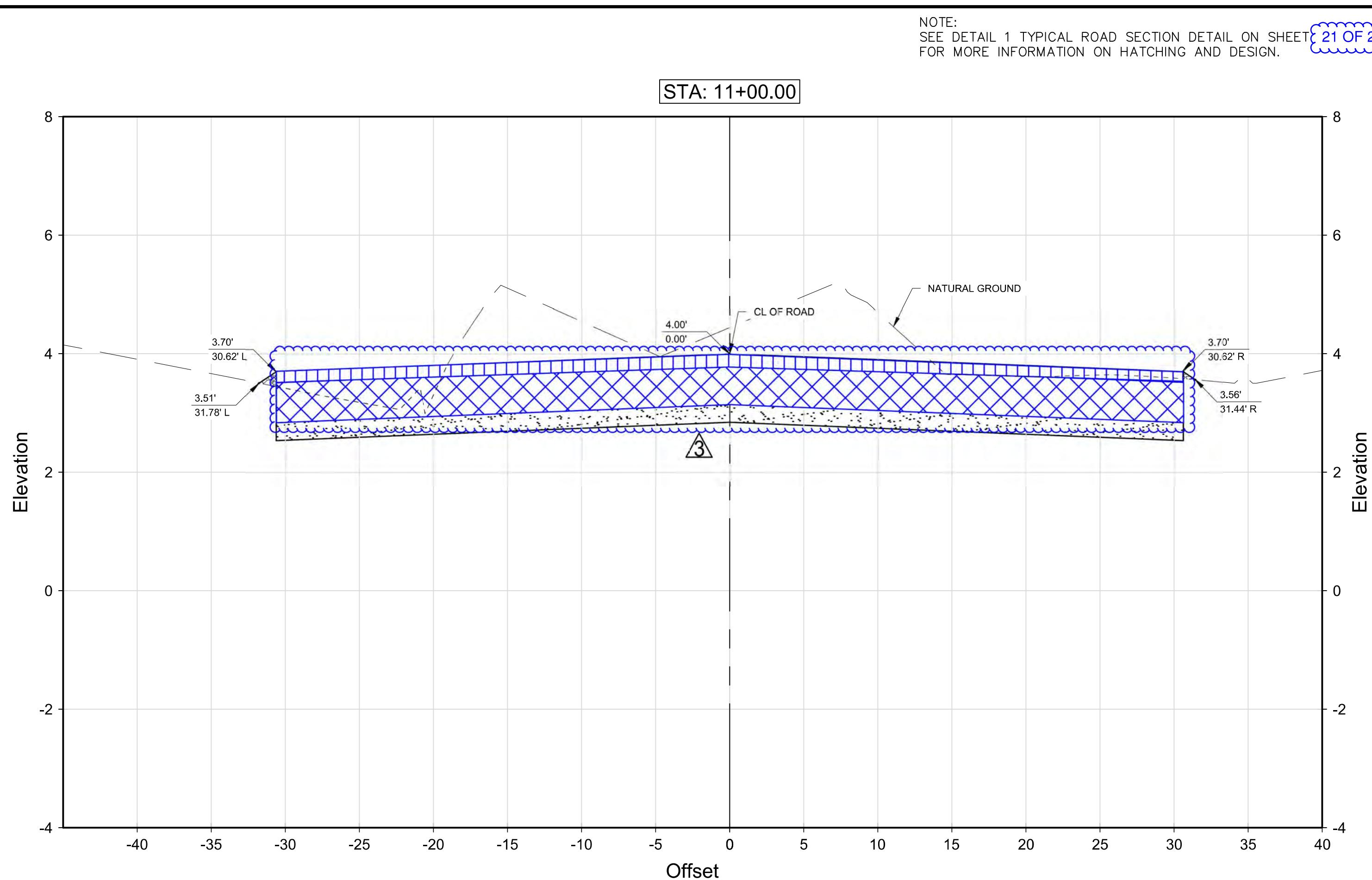
HANSON
HANSON Professional Services Inc.
7850 E. Washington Street
Brownsville, Texas 78520
TPBPLF-1417 / TPBPLF-10194412 / TPBPLF-505566

2/12/2026
REV. 3

2/

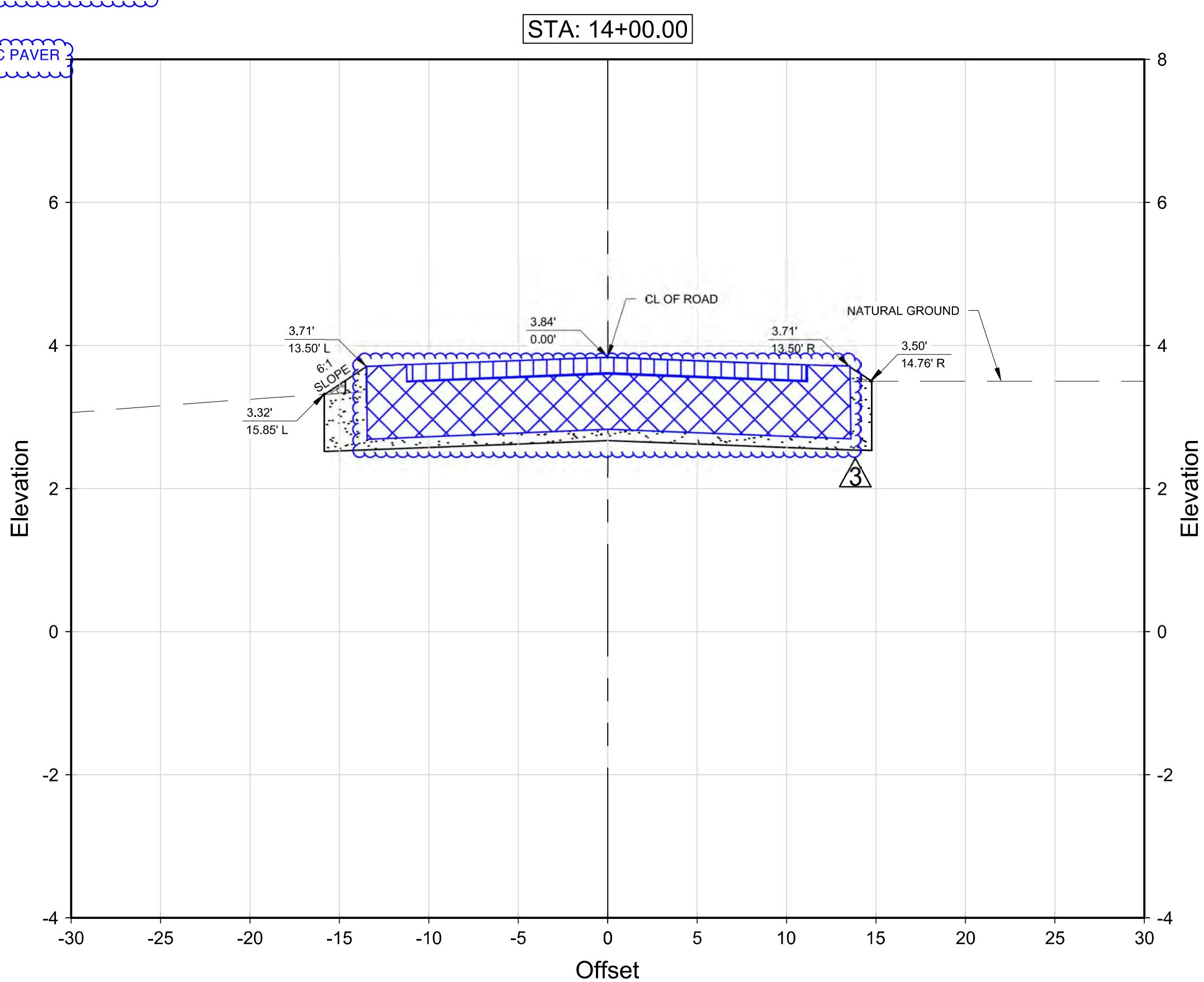
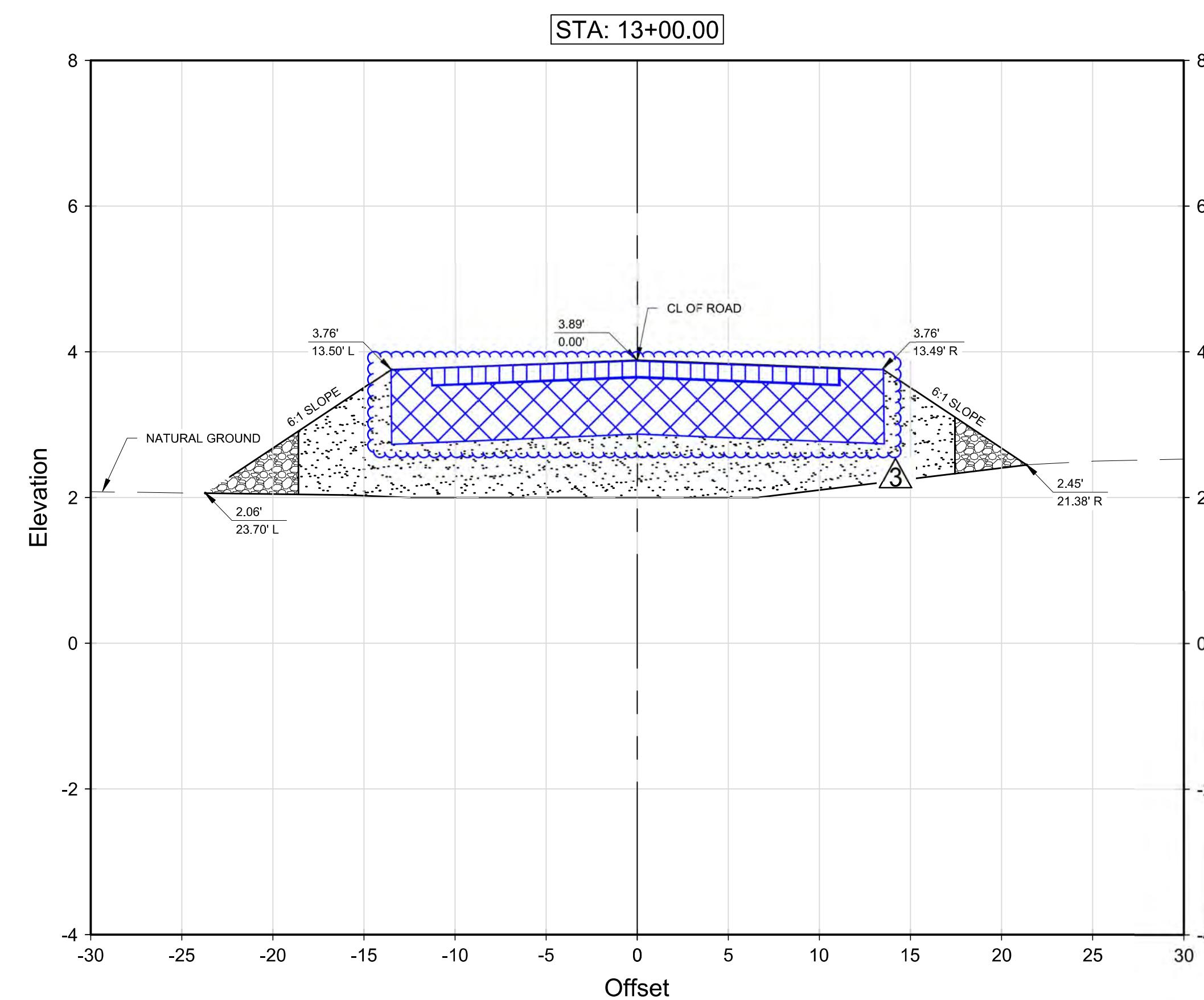
NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 21 OF 27
FOR MORE INFORMATION ON HATCHING AND DESIGN.

21 OF 27



LEGEND

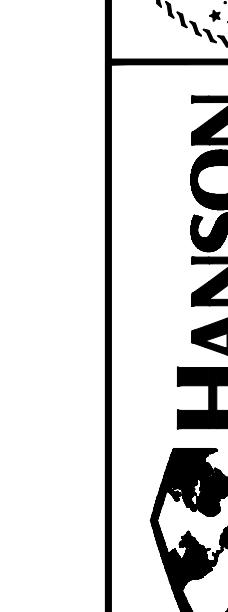
COMPACTED SAND
COMPACTED NO. 57 STONE AGGREGATE
BULLROCK RIP-RAP
PMEABLE PLASTIC PAVER



HDR
HDR Engineering, Inc.
TBPELS Firm
Registration No. F-754

2/12/2026
REV. 3
Ricardo Pedraza
113193
LICENSED PROFESSIONAL ENGINEER
State of Texas

CROSS SECTION LAYOUT



South Padre
ISLAND

0 3 6 12

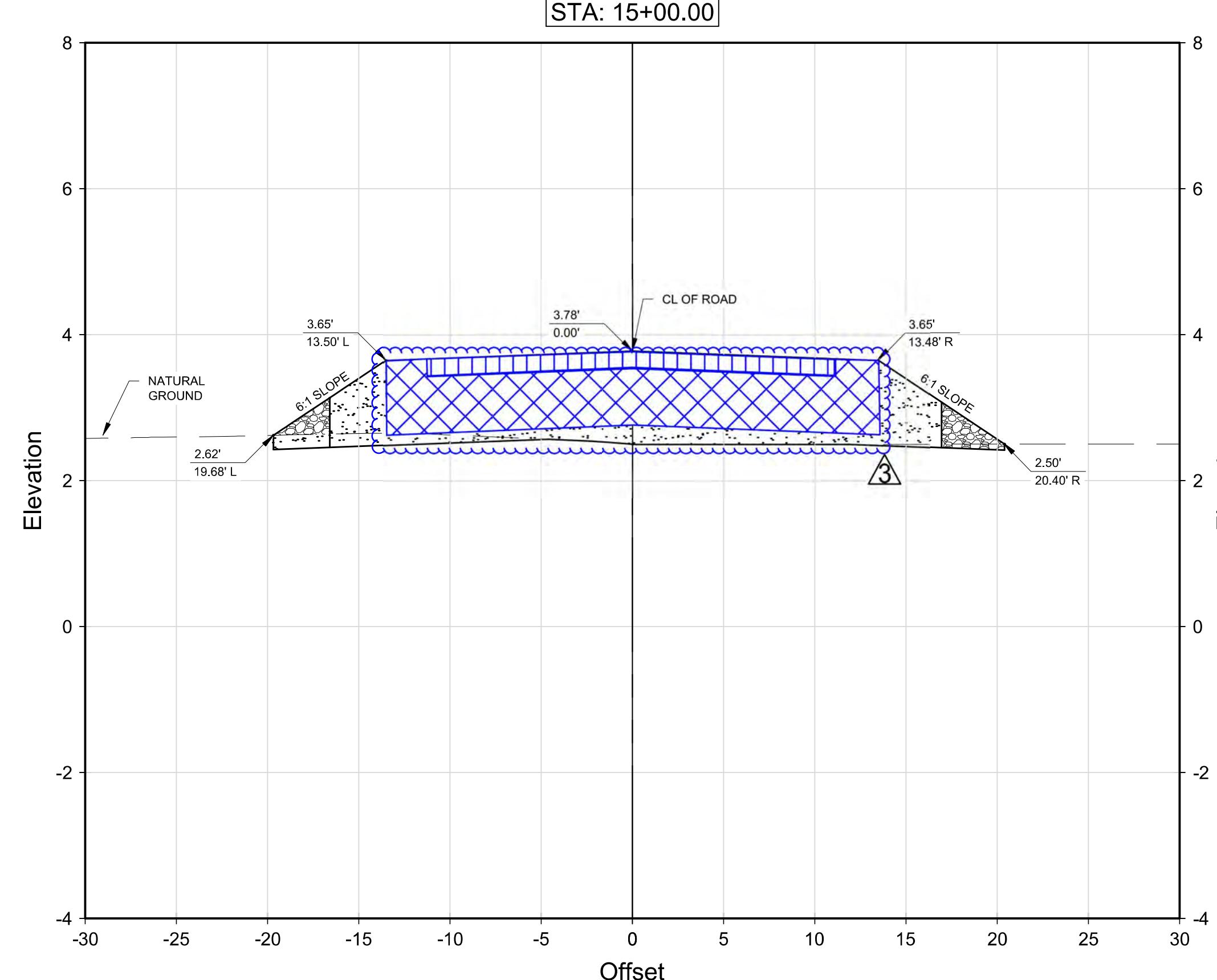
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=6'
11X17 SCALE: 1"=12'

0 3 6 12

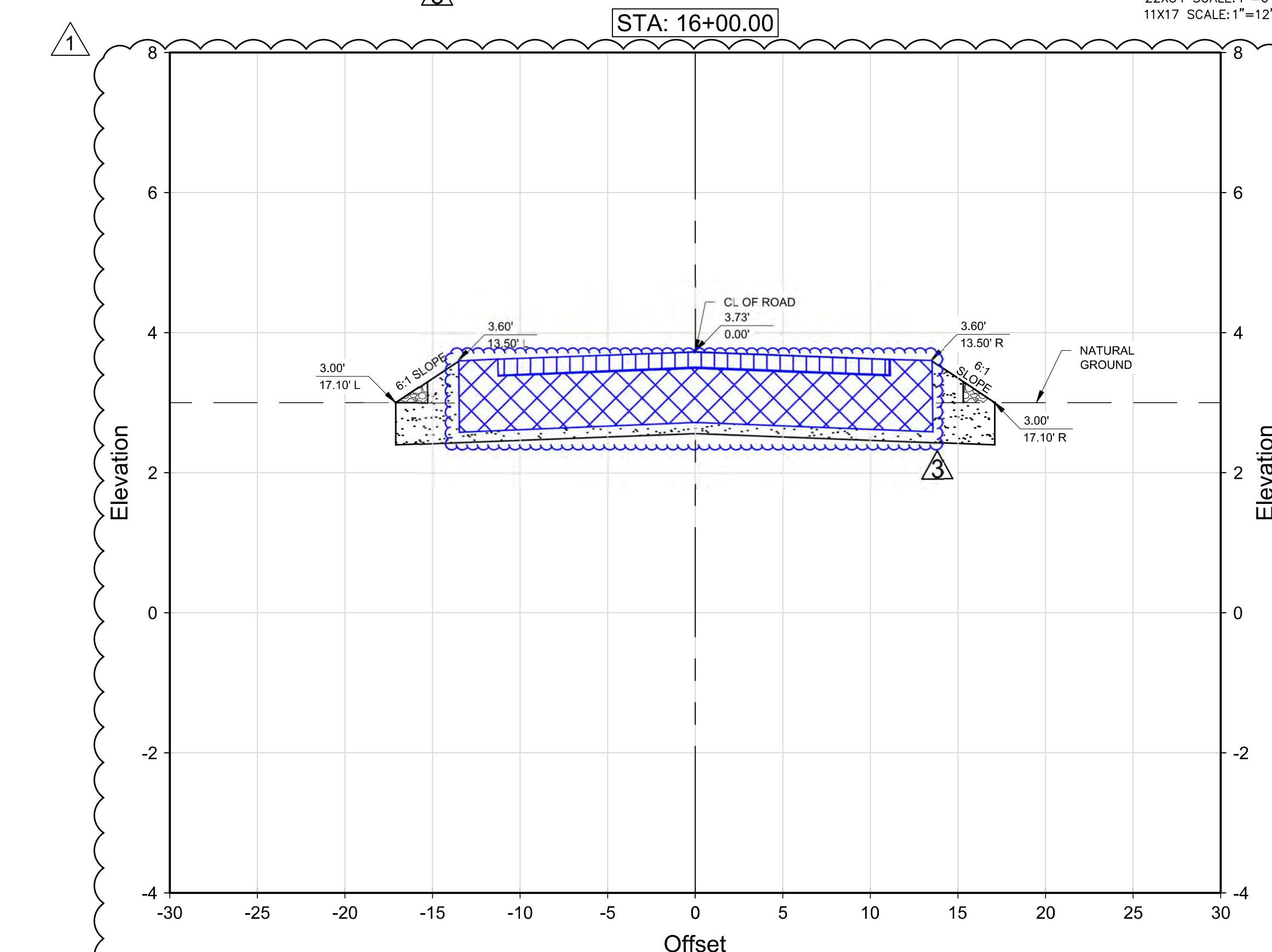
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=6'
11X17 SCALE: 1"=12'

0 3 6 12

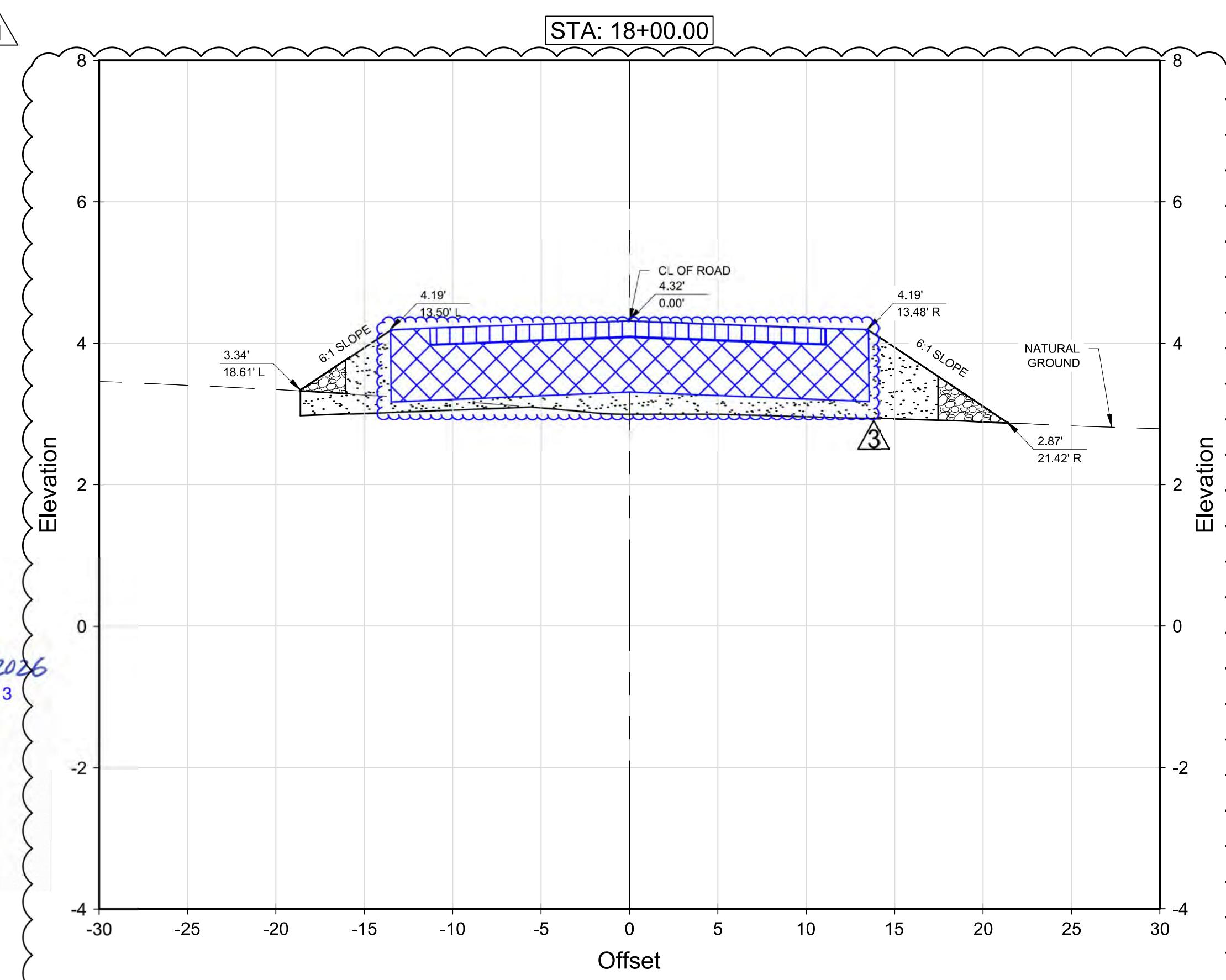
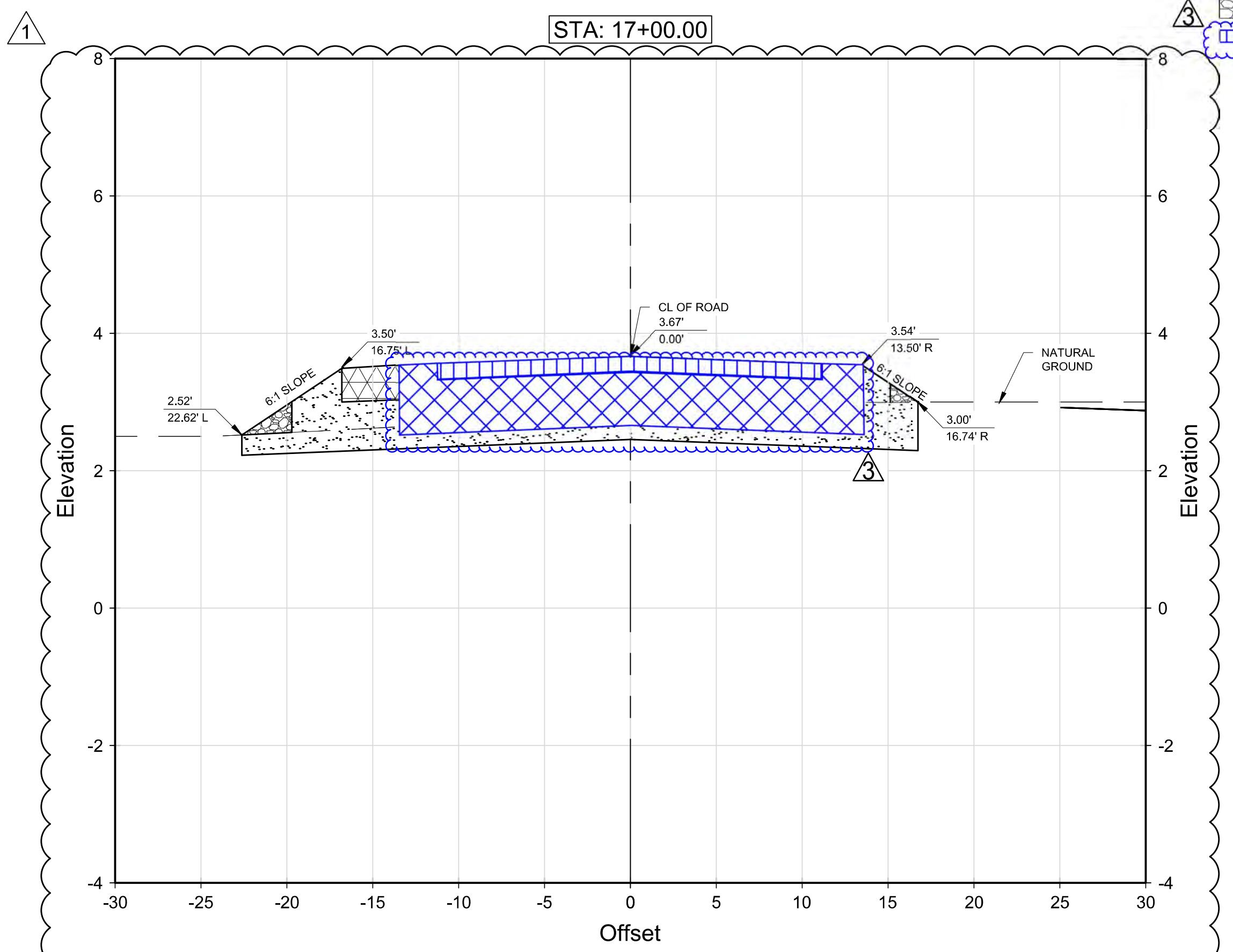
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=6'
11X17 SCALE: 1"=12'



NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 21 FOR MORE INFORMATION ON HATCHING AND DESIGN.



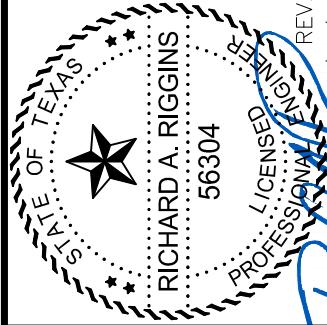
LEGEND



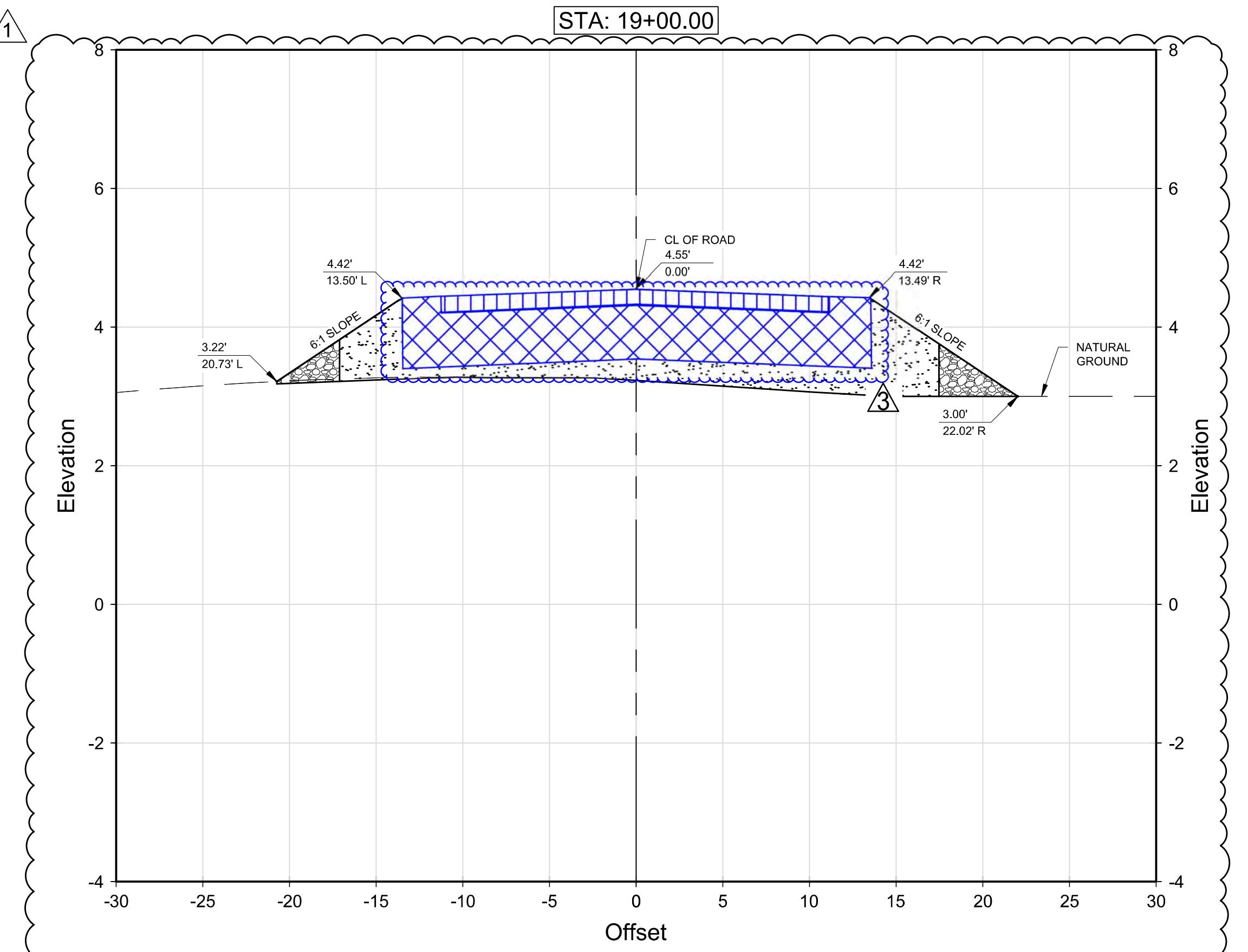
A circular seal for a Texas Professional Engineer. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom. The center features a five-pointed star. Below the star, the name "RICARDO PEDRAZA" is printed, followed by the number "113193". At the bottom of the seal, the word "LICENSED" is printed above the date "2/15". A blue signature is visible at the bottom of the seal.

HDR
Engineering, Inc.
TBPELS Firm
Registration No. E 754

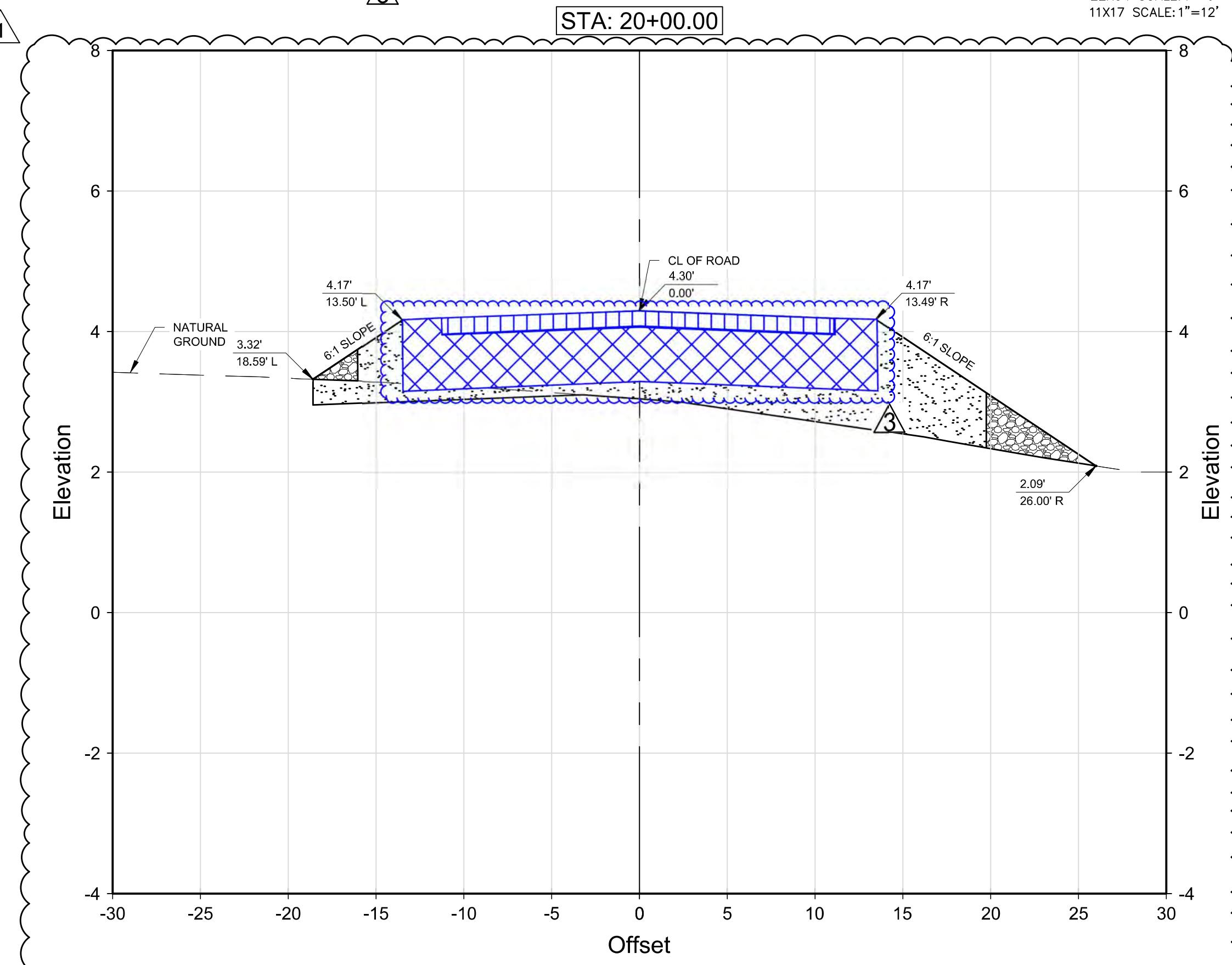
DEC 30, 2022 1:06 PM LOYA01776
:\19JOBS\19L0166\CAD\SITE\SHEET\19L0166- CROSS SECTION LAYOUT.DWG

 <p>HANSON</p>	
<p>Copyright Hanson Professional Services Inc. 2020</p> <p>Hanson Professional Services Inc.</p> <p>39 E. Washington Street</p> <p>Brownsville, Texas 78520</p> <p>PE F-417 / TBPLS F-10194412 / TBPG F-50556</p>	

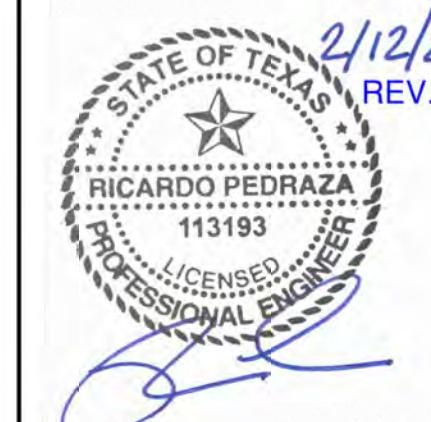
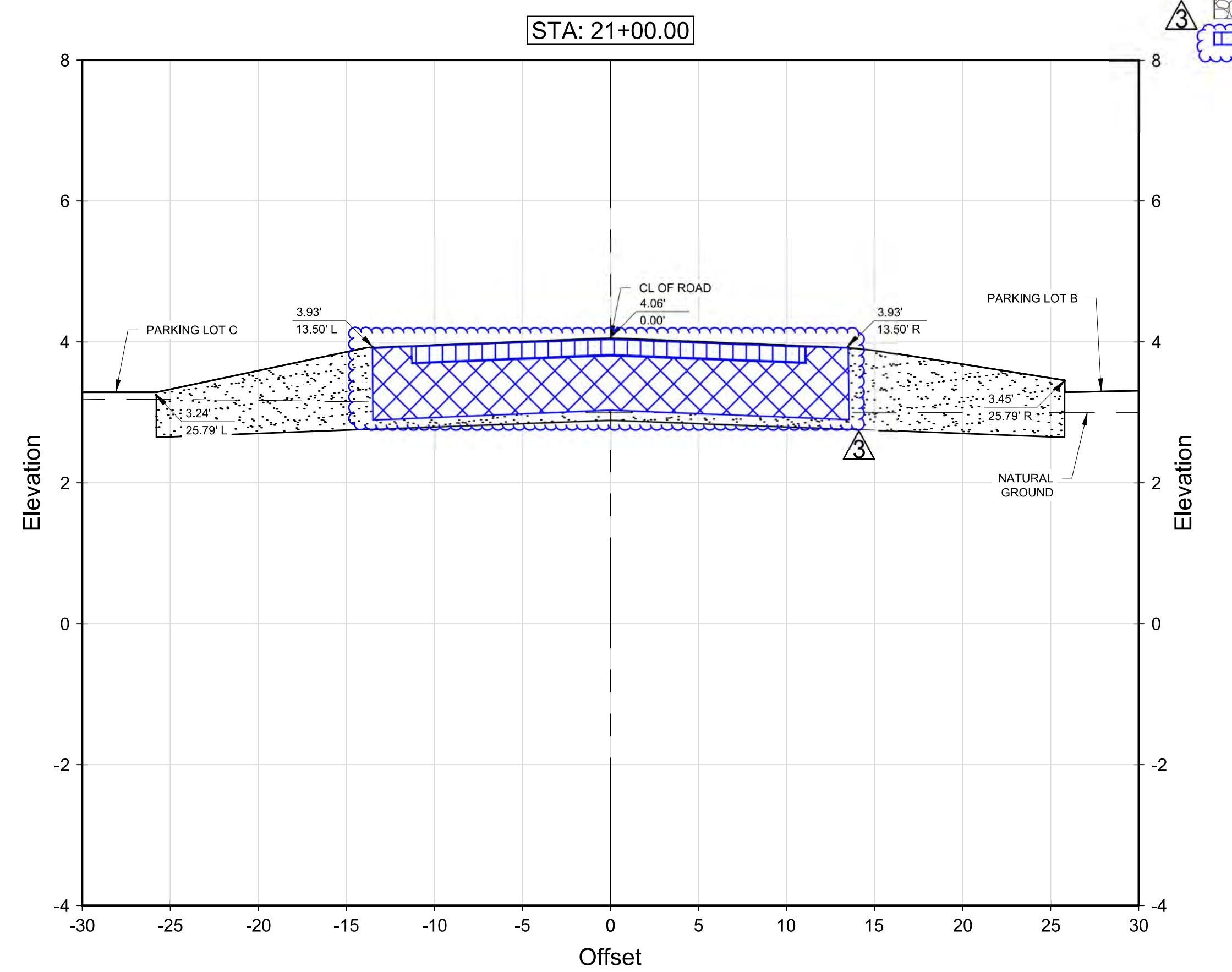
23



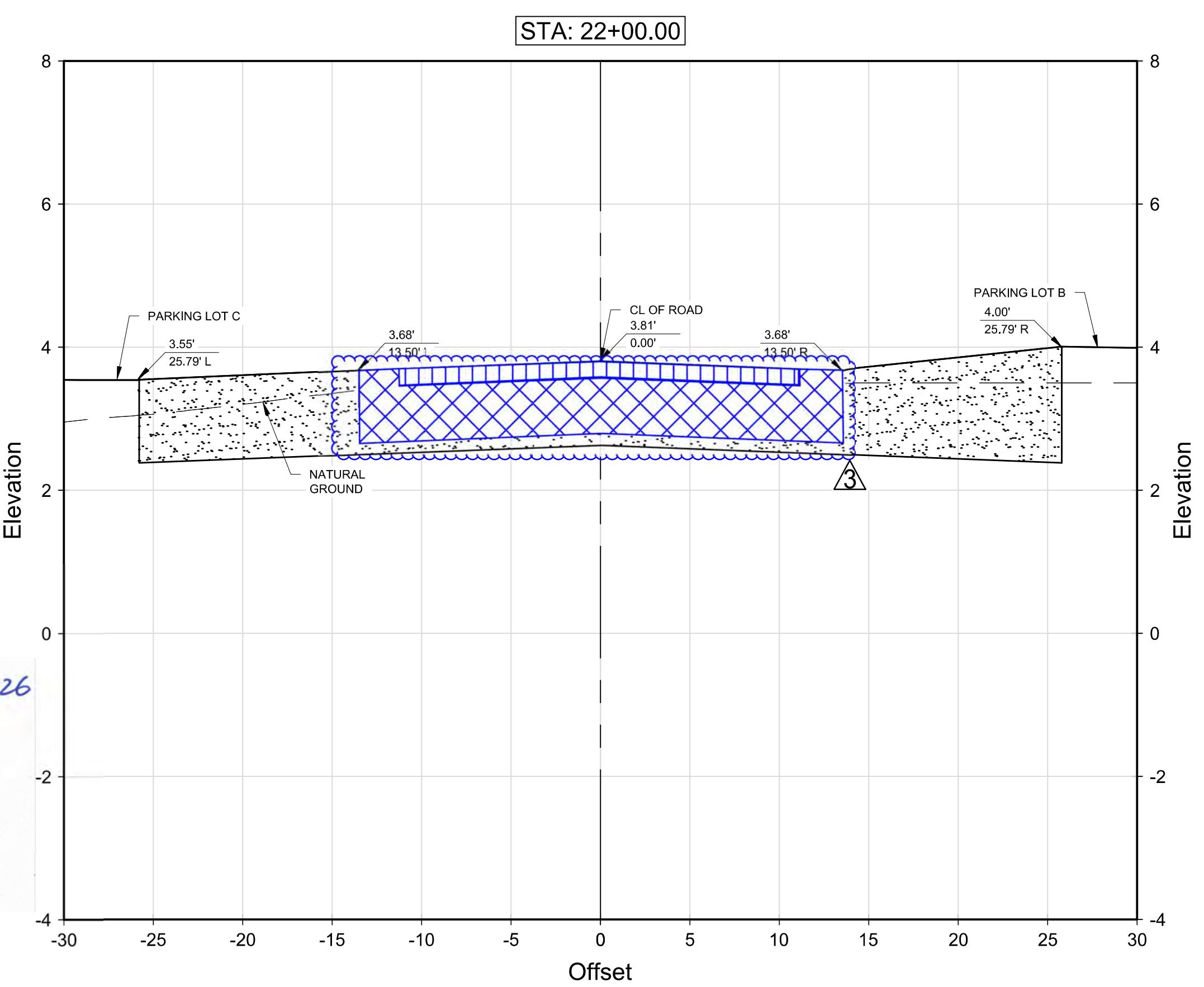
NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 21 OF 27
FOR MORE INFORMATION ON HATCHING AND DESIGN.



LEGEND



HDR
HDR Engineering, Inc.
TBPELS Firm
Registration No. F-754



CROSS SECTION LAYOUT

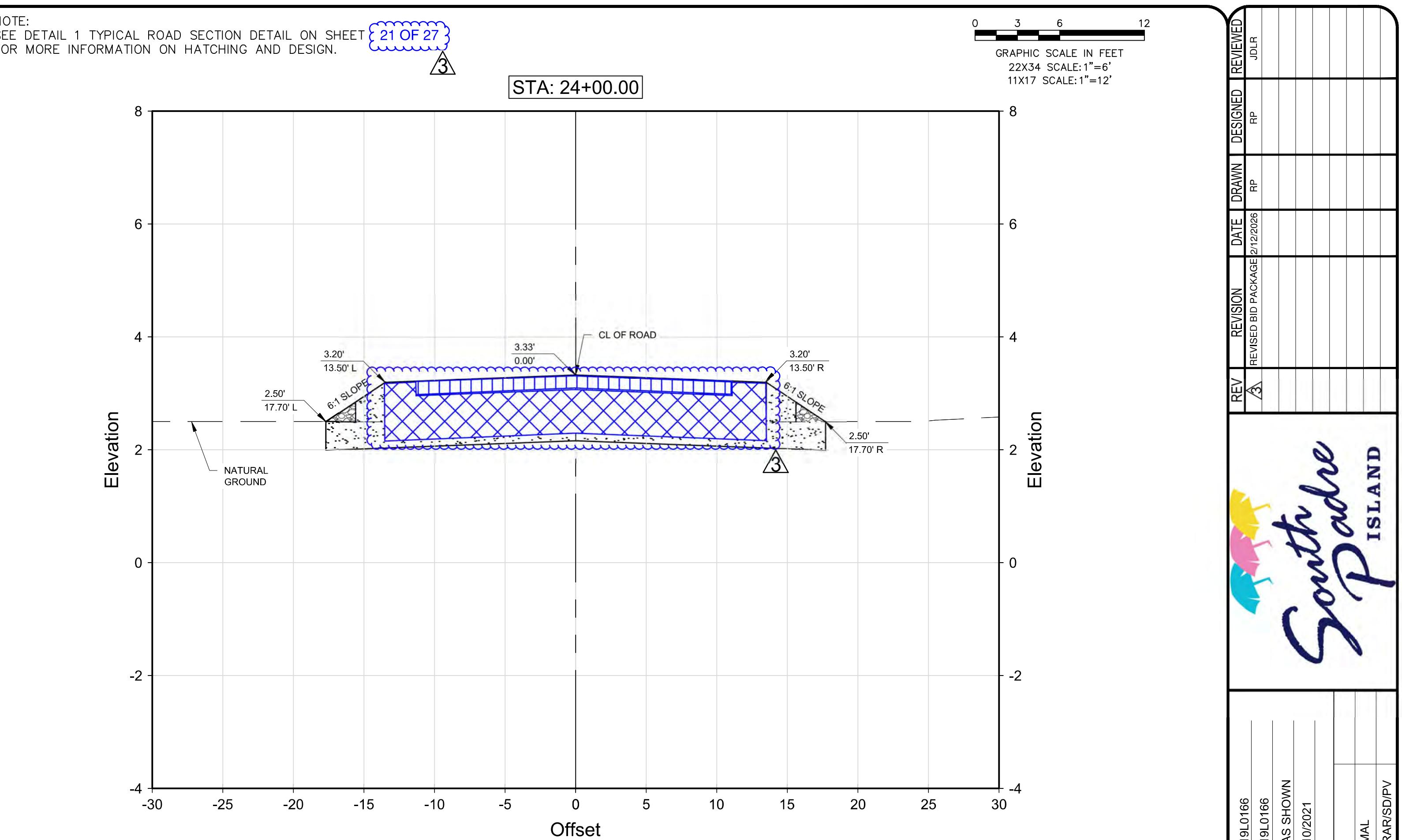
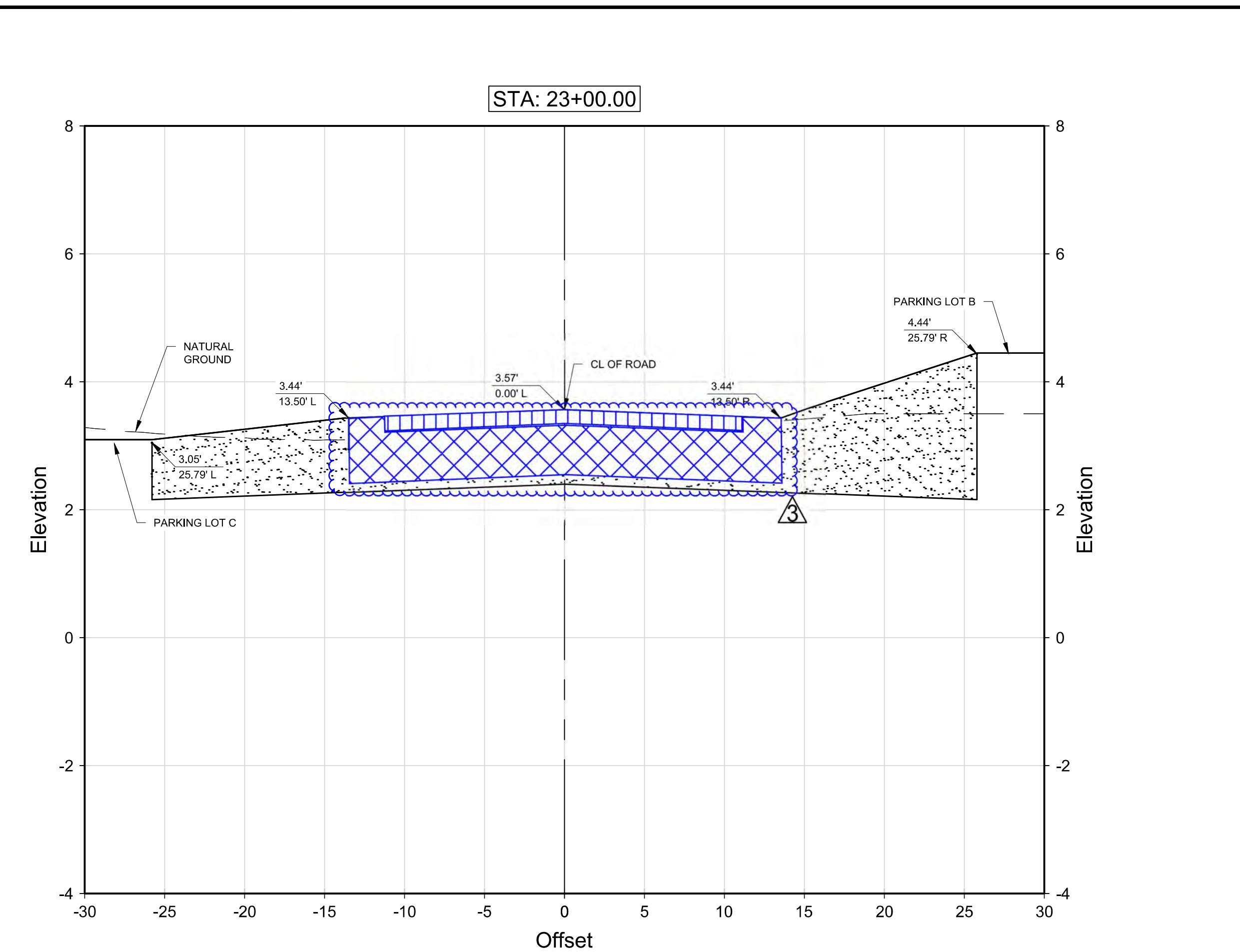


HANSON
Hanson Professional Services Inc.
780 E. Washington Street
Brownsville, Texas 78520
TBPEL#1417 / TBPG# 50556

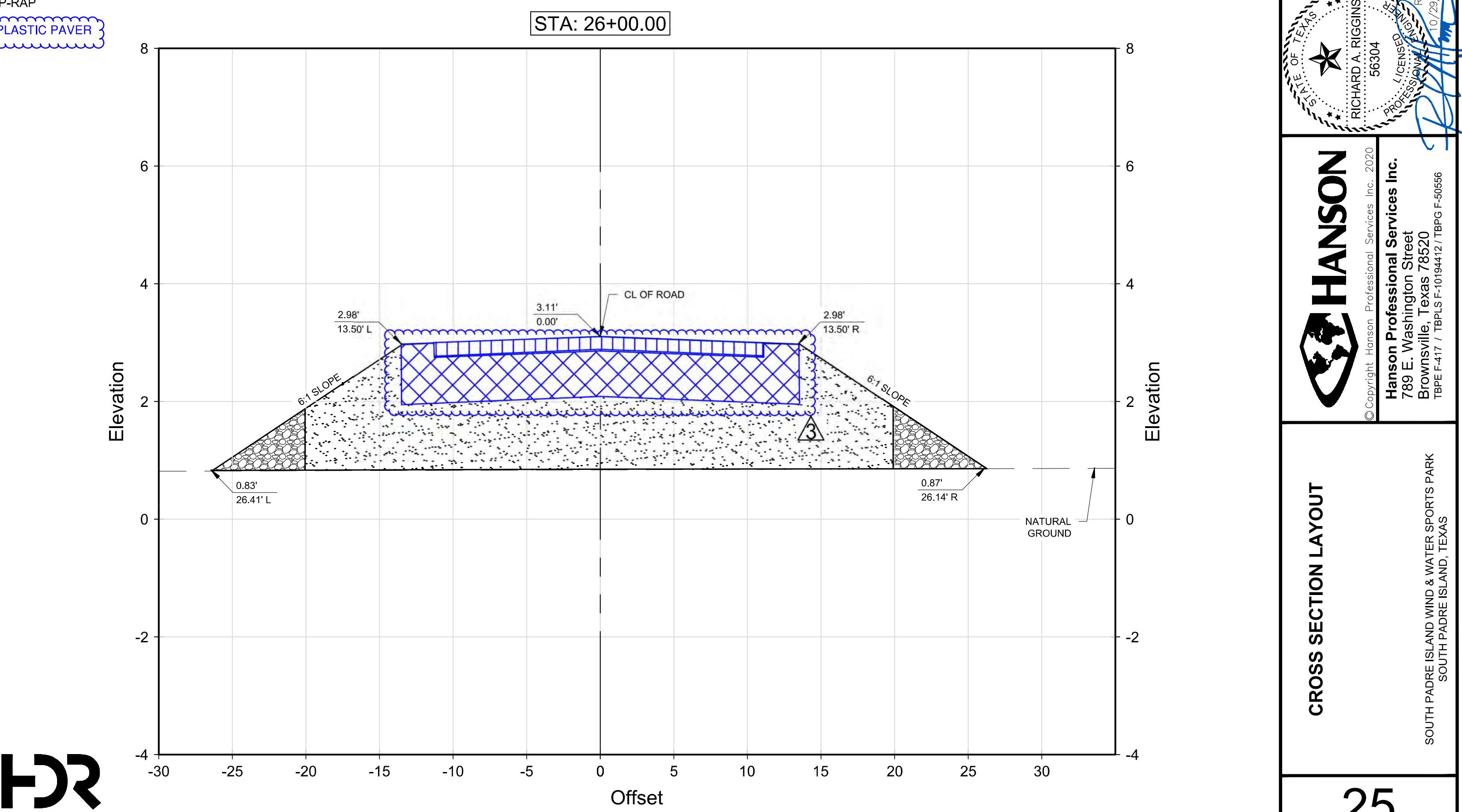
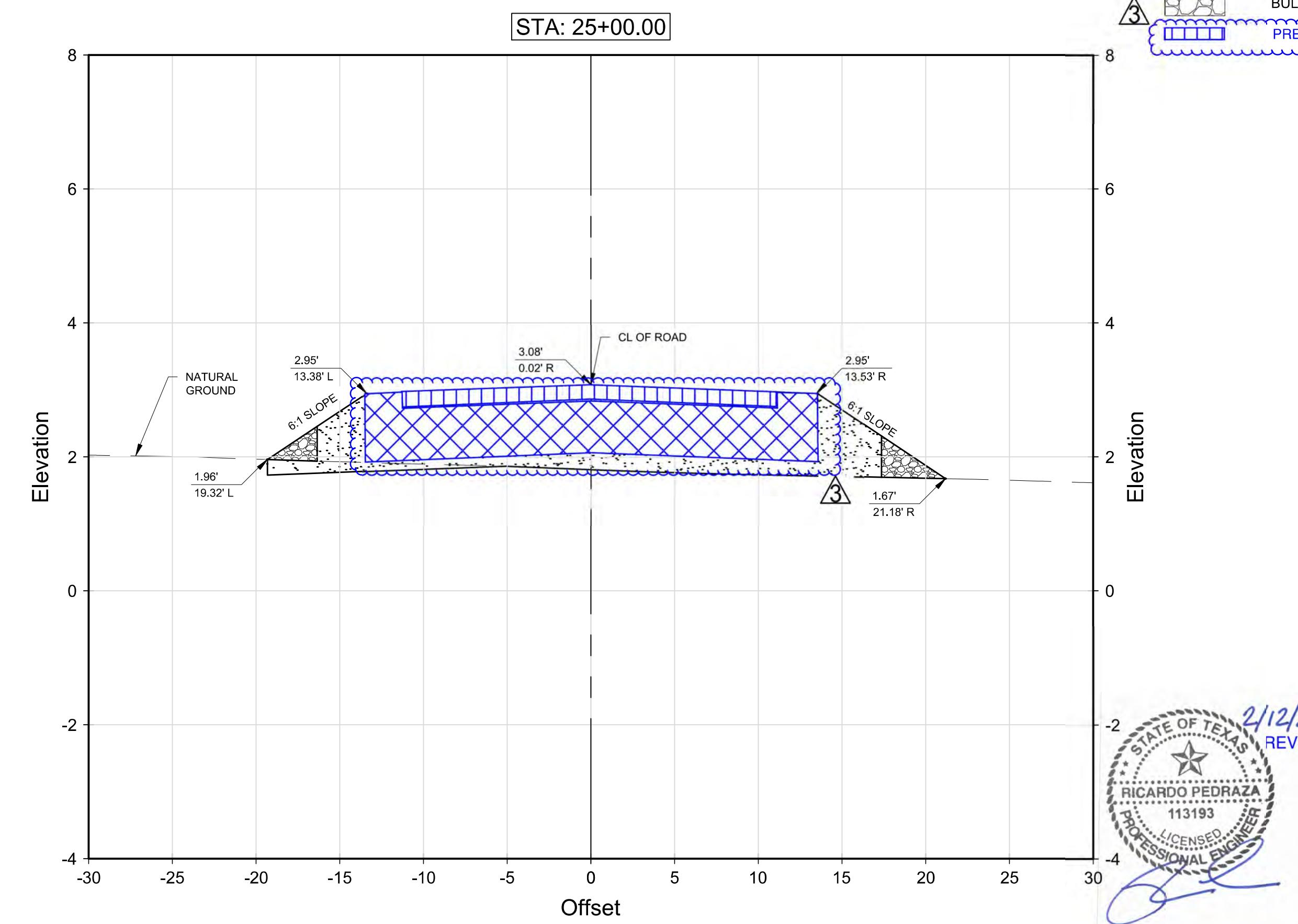
**South Padre
ISLAND**

REV	REVISION	DATE	DRAWN	DESIGNED	REVIEWED
3	REVISED PARKING LOT	10/29/2021	RP	RP	RAR

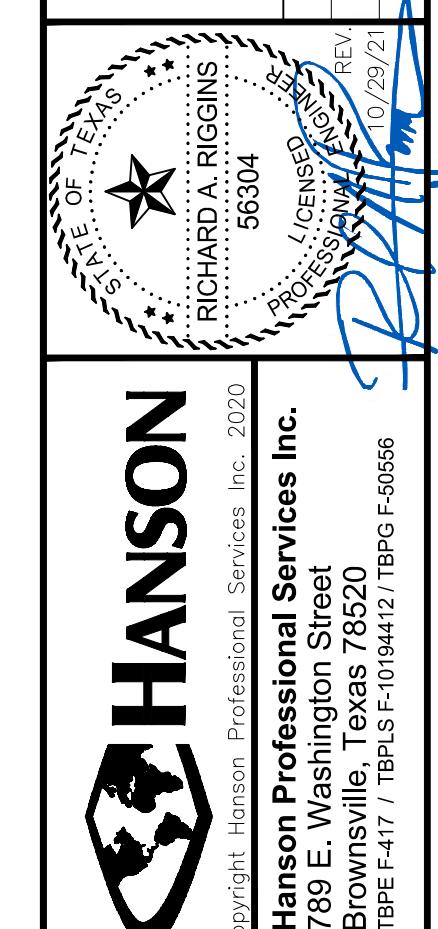
19L0166
File name: 19L0166
Scale: AS SHOWN
Date: 10/2021
LAYOUT DRAWN: 10/29/2021
DRAWN: 10/29/2021
REVIEWED: 10/29/2021



LEGEND



CROSS SECTION LAYOUT



0 3 6 12

GRAPHIC SCALE IN FEET

22X34 SCALE: 1"=6'

11X17 SCALE: 1"=12'

JDR

REVIEWED

RE

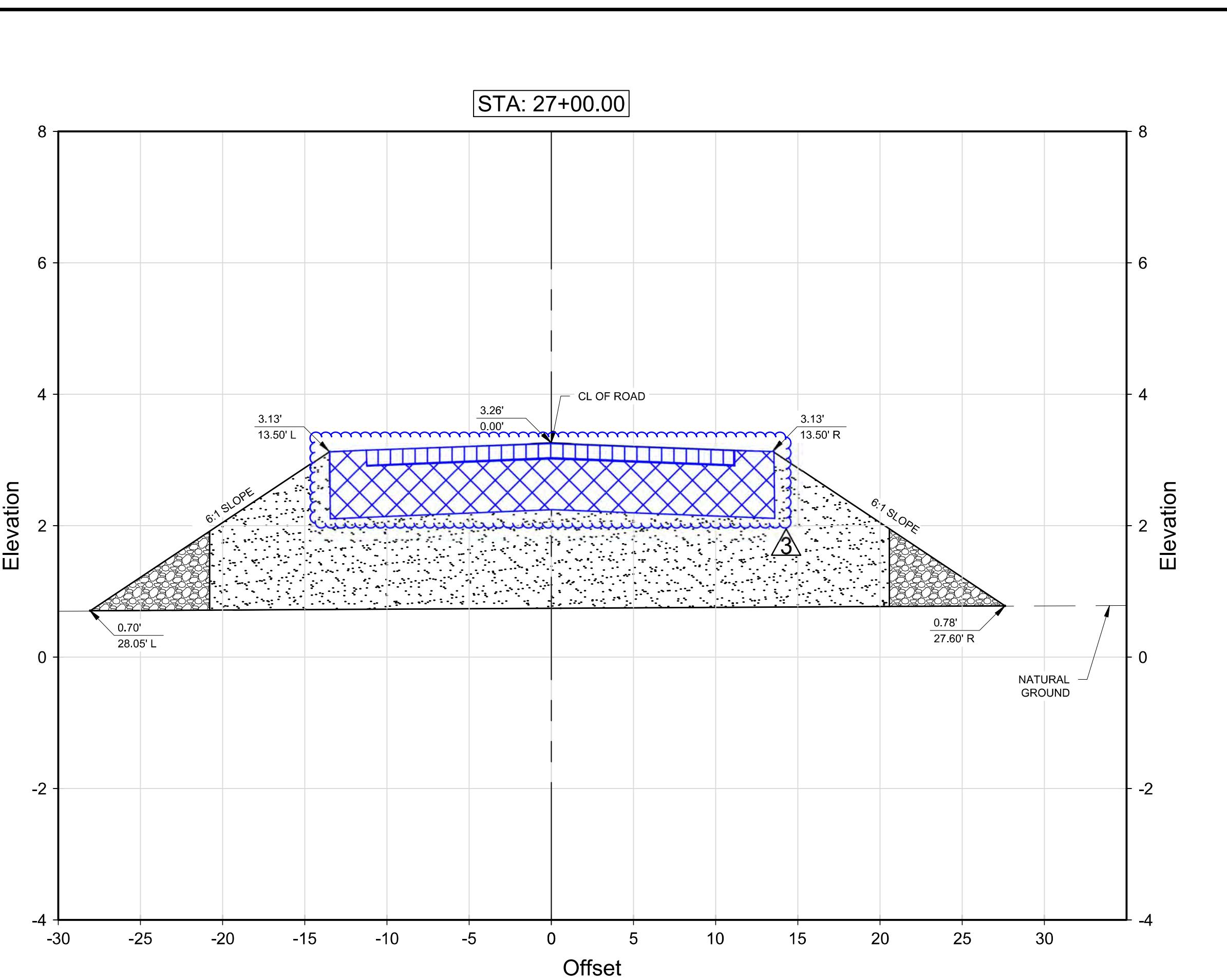
REV

REVISION

AS SHOWN

REVIEWED

RE



NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 21 OF 27
FOR MORE INFORMATION ON HATCHING AND DESIGN.

21 OF 27

3

0 3 6 12
GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=6'
11X17 SCALE: 1"=12'

JDR

REVIEWED

REV A

REVISION A

REVISED BID PACKAGE

DATE 12/2/2026

DRAWN RP

DESIGNED RP

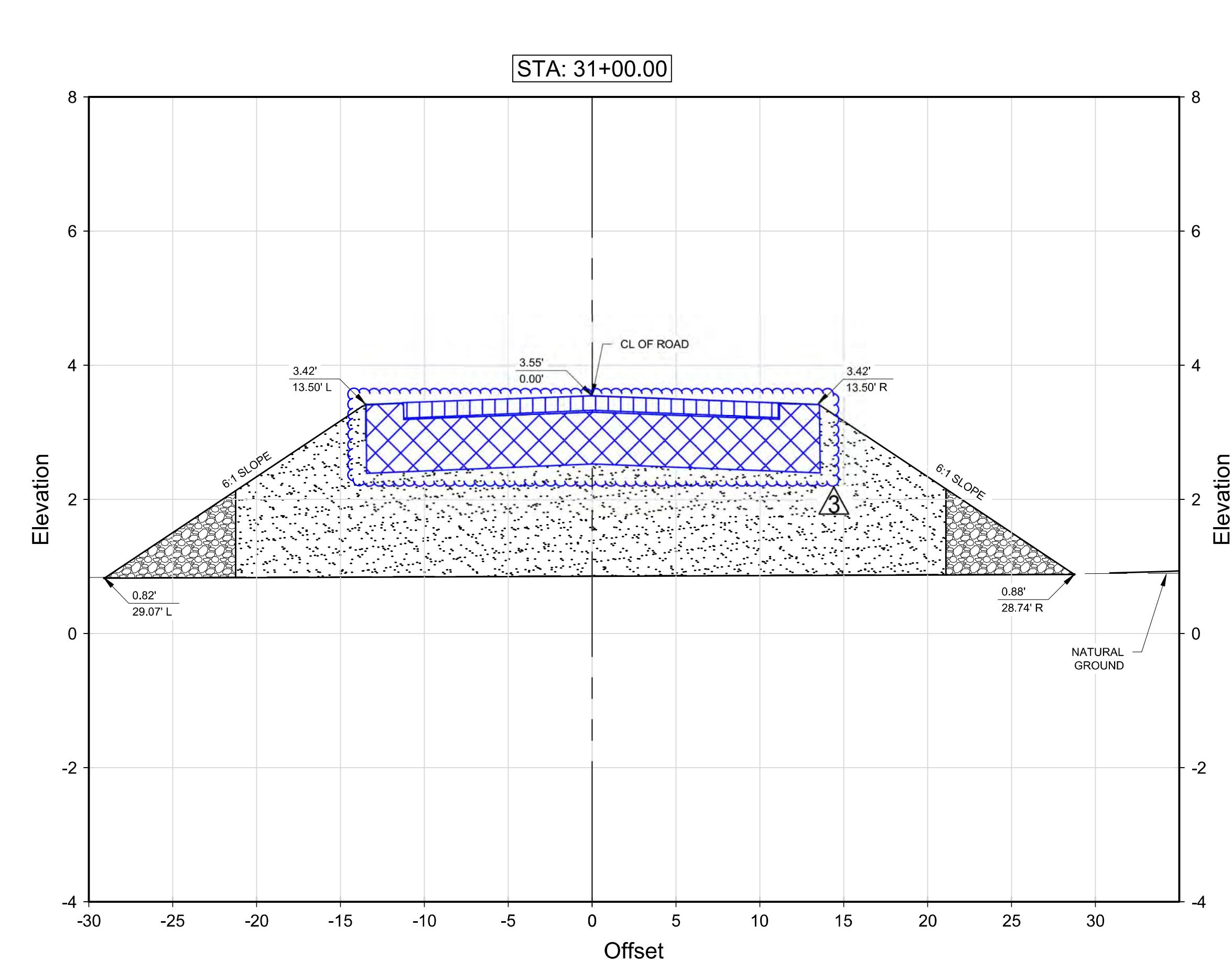
REVIEWED RP

APR 2026

JDR

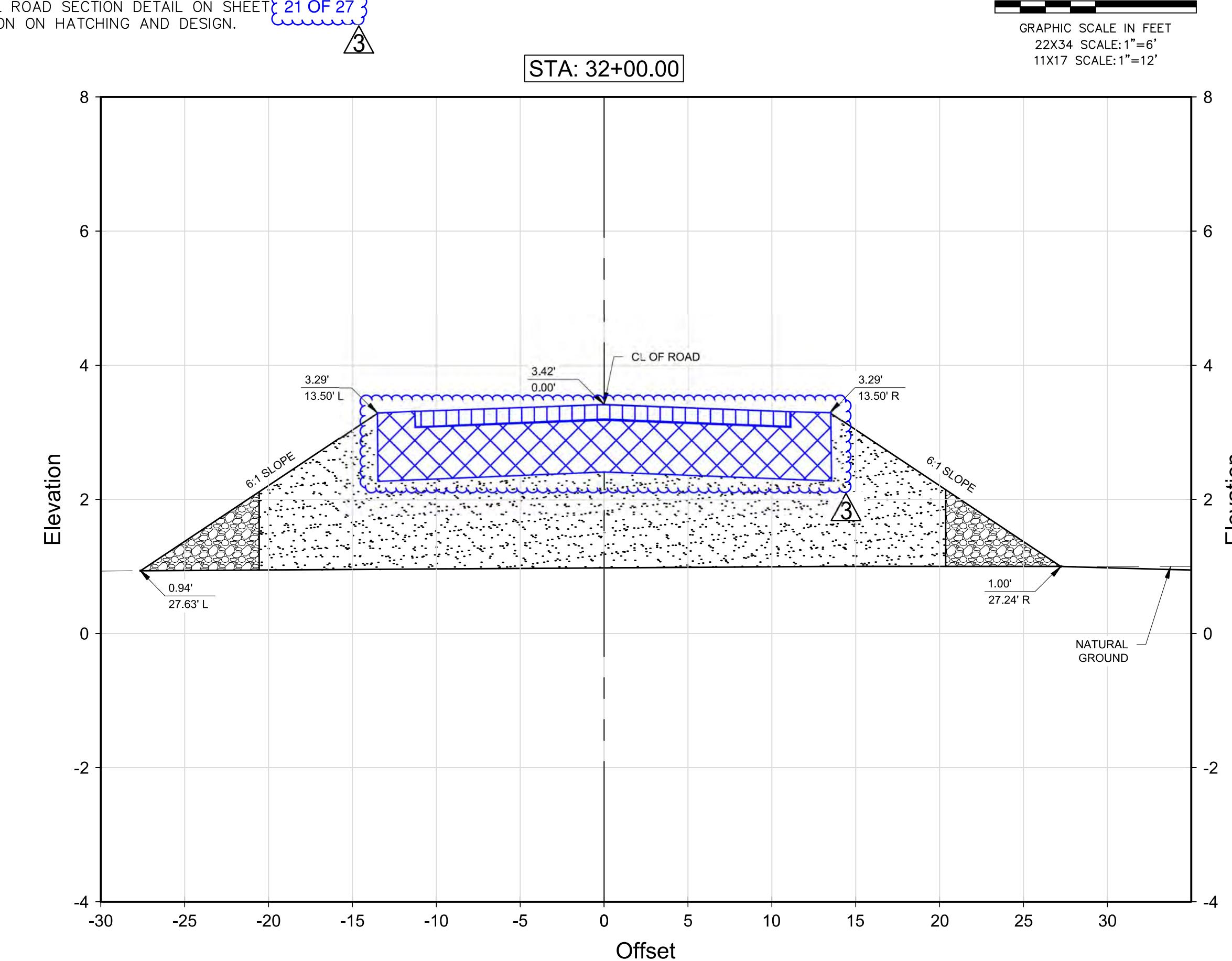
REVIEWED

APR 2026

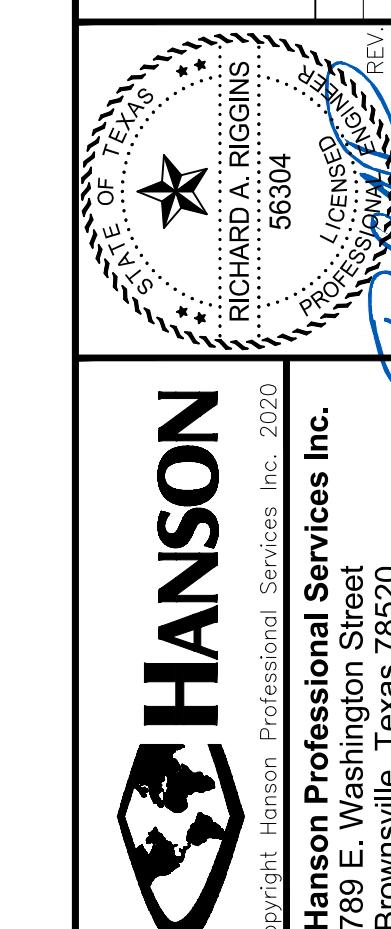


NOTE:
SEE DETAIL 1 TYPICAL ROAD SECTION DETAIL ON SHEET 21 OF 27
FOR MORE INFORMATION ON HATCHING AND DESIGN.

3



CROSS SECTION LAYOUT



Copyright Hanson Professional Services Inc. 2020
Hanson Professional Services Inc.
780 E. Washington Street
Brownsville, Texas 78520
TBPEL-F-10194412 / TBPG-F-50556
2/29/2020 11:13:19 AM
REVIEWED BY: Keffie

0

3

6

12

GRAPHIC SCALE IN FEET
22X34 SCALE: 1"=6'
11X17 SCALE: 1"=12'

IDR

REVIEWED

RE-DR

RE-PP

RE-DR