CIVIL CONSTRUCTION PLANS
FOR
TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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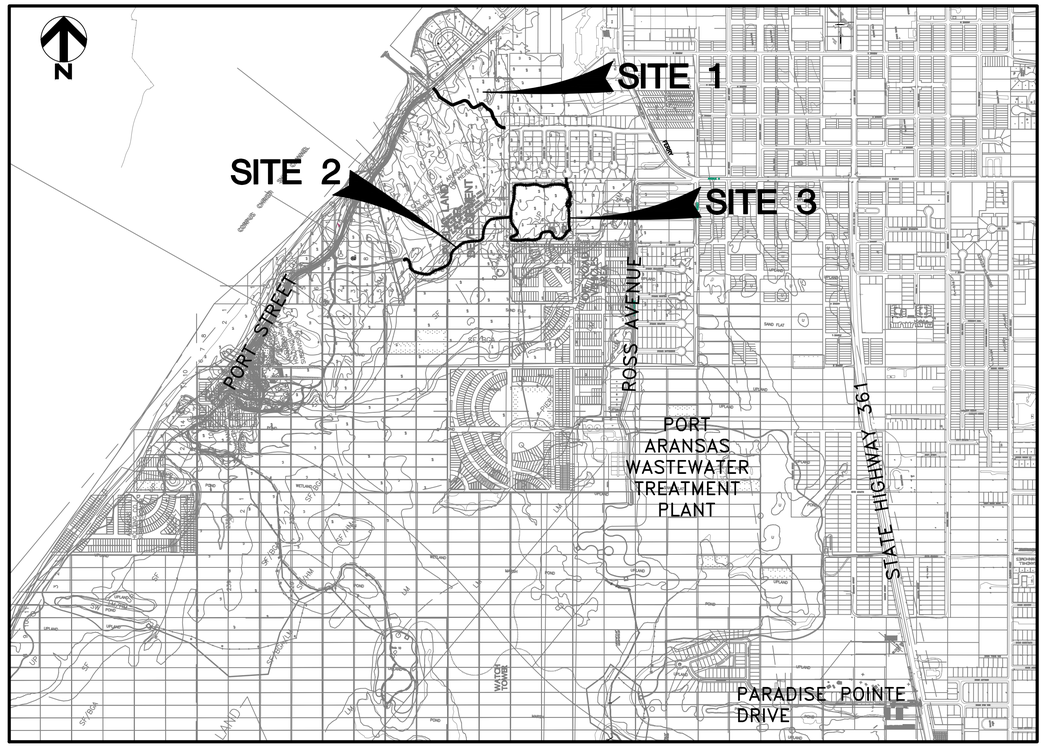

LOCATION MAP

0 400 800 1600
GRAPHIC SCALE
1"=800'

DEVELOPER:
CITY OF PORT ARANSAS
710 W. AVENUE A
PORT ARANSAS, TEXAS 78373
(361) 749-4111

ENGINEER:
DCCM
2725 SWANTNER STREET
CORPUS CHRISTI, TEXAS 78404
(361) 854-3101

ISSUED FOR BID

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

ENGINEER: _____

CALL BEFORE YOU DIG!
Texas811 Know what's below. Call before you dig.
PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST – STOP AND CALL 811
1-800-344-8377

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
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TABS# 2026017614
JOB NO. 73506

1. PRELIMINARY MATTERS

1. THE INSTRUCTIONS GIVEN BY THE NOTES ON THIS SHEET DO NOT CONSTITUTE SEPARATE PAY ITEMS UNLESS SPECIFICALLY INCLUDED IN THE PROPOSAL FORM.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS LISTED IN THE CONTRACT DOCUMENTS AND THE STANDARD DETAILS INCLUDED OR REFERENCED IN THE PLANS.
3. ANY CHANGES OR REVISIONS TO THESE PLANS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
4. THE OWNER/ENGINEER RESERVE THE RIGHT TO MAKE REASONABLE ADJUSTMENTS IN LINE AND/OR GRADE IN ORDER TO AVOID CONFLICTS WITH NON-RELOCATABLE STRUCTURES OR OTHER UTILITIES. THE CONTRACTOR AGREES TO MAKE SUCH REASONABLE ADJUSTMENTS AT NO COST TO OWNER OR ENGINEER.
5. EXISTING PAVING, BUILDINGS, AND OTHER ITEMS SHOWN ON PLANS BUT NOT SPECIFICALLY RELATED TO THE WORK OF THE CONTRACTOR ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY BE SHOWN TO A LESSER ACCURACY OR TO A LESSER DEGREE OF DETAIL THAN THE REMAINDER OF THE PLANS.

2. DEMOLITION

1. ALL CONSTRUCTION SHALL CONFORM TO STANDARD BUILDING CODE AND CITY ORDINANCES FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES DUST CONTROL AND DISPOSAL AS WELL AS ALL FEDERAL, STATE, AND LOCAL HAULING AND DISPOSAL REGULATIONS. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM AUTHORITIES AND NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
2. THE CONTRACTOR SHALL COMPLETELY REMOVE EXISTING STRUCTURES WHICH ARE TO BE ABANDONED TO A DEPTH OF 36 INCHES BELOW FINISHED GRADE. STRUCTURES FALLING WITHIN A BUILDING PAD EXCAVATION SHALL BE REMOVED. ANY REMAINING CAVITY SHALL BE COMPLETELY FILLED WITH LIMESTONE OR SELECT FILL MATERIAL.
3. ALL LINES, PIPE SAND UTILITIES LESS THAN 12 INCHES IN DIAMETER MAY BE ABANDONED IN PLACE PROVIDED THEY ARE AT LEAST 24 INCHES BELOW EXISTING OR PROPOSED GRADE IN SITEWORK PARKING AREAS. ALL PIPES, UTILITIES, ETC., ABANDONED IN PLACE SHALL BE GROUT FILLED AND PLUGGED OR CAPPED PER CITY CODE AND THE CITY OR APPROPRIATE UTILITY COMPANY NOTIFIED TO INSURE THAT THE SERVICE IS TERMINATED.
4. THE CONTRACTOR SHALL COMPLETELY REMOVE AND HAUL OFF EXISTING CONCRETE OR FOUNDATION PIERS THAT MAY BE UNCOVERED IN THE AREA AND FILL EXCAVATIONS OR PER NOTE 2 ABOVE.
5. BURIAL OF DEBRIS SHALL NOT BE ALLOWED. THE CONTRACTOR SHALL HAUL OFF AND DISPOSE OF ALL DEMOLISHED ITEMS AND DISPOSE OF IN A LEGAL MANNER.

3. SIDEWALKS AND DRIVEWAYS

PUBLIC AND PRIVATE

1. DRIVEWAY TYPE SHALL BE AS SHOWN ON THE APPROPRIATE CITY DETAILS AS APPLICABLE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CURRENT CITY REGULATIONS GOVERNING DRIVEWAY TYPE.
2. ALL STREET DIMENSIONS SHOWN ON PLANS ARE TO BACK OF CURB, UNLESS NOTED OTHERWISE.
3. WHERE EXISTING ASPHALT AND CONCRETE ARE TO BE CUT, THESE CUTS SHALL BE VERTICAL AND MADE WITH A SAW.
4. CARE SHALL BE TAKEN TO PROTECT CURB & GUTTER AND OTHER CONCRETE SURFACES FROM ASPHALT SPLATTER DURING PRIMING AND SEALING OPERATIONS.
5. HMAC PAVING TRANSITIONS TO EXISTING PAVEMENTS SHALL BE TRANSITIONED OVER 10' TO PRODUCE A SMOOTH RIDE AND SHALL BE CHECKED WITH A 10' STRAIGHT EDGE PRIOR TO COMPLETION. LONGITUDINAL HMAC PAVING JOINT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. CONCRETE PLACEMENT SHALL STOP AT EXPANSION JOINTS IN SIDEWALKS OR AS OTHERWISE DIRECTED BY THE ENGINEER.
7. WHERE PROPOSED CONCRETE TIES INTO EXISTING CONCRETE, CONTRACTOR SHALL PLACE AN EXPANSION JOINT AS SHOWN IN THE PAVING DETAILS.
8. CURB FOR CURB RAMPS SHALL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO CURB RAMP.
9. THE AREA BETWEEN THE SIDEWALK AND CURB & GUTTER SHALL BE GRADED WITH TOP SOIL THAT IS FREE OF DEBRIS, BASE, ASPHALT, AND CONCRETE AS DIRECTED BY THE ENGINEER.

4. CURB AND GUTTER

1. THE AREA BEHIND THE SIDEWALK SHALL BE GRADED WITH TOP SOIL THAT IS FREE OF DEBRIS, BASE, ASPHALT, AND CONCRETE.
2. WHEN MATCHING NEW 6" CURB & GUTTER TO EXISTING 4", THE GUTTER SLOPE SHALL BE MAINTAINED AND THE 2" TRANSITION SHALL BE IN THE CURB SECTION, AS NECESSARY TO PREVENT PONDING WATER. TRANSITION LENGTH SHALL BE 10' MINIMUM.
3. AN ASPHALT IMPREGNATED FIBERBOARD EXPANSION JOINT WITH 2-#4 DOWELS x 18" LONG SHALL BE USED WHERE NEW CURB MATCHES EXISTING.

5. ALL UTILITIES

PUBLIC AND PRIVATE

1. ELEVATION ADJUSTMENTS FOR NEW MANHOLES AND VALVES SHALL BE CONSIDERED SUBSIDIARY UNLESS NOTED OTHERWISE.
2. ALL NEW AND EXISTING VALVES AND MANHOLES SHALL BE EXTENDED TO FINISH GRADE. THIS ACTIVITY WILL BE CONSIDERED SUBSIDIARY UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT EXISTING UTILITIES. ALL PIPES AND UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED WITH NO SEPARATE PAYMENT.
4. ALL OPEN EXCAVATION SHALL BE ENCLOSED WITH ORANGE SAFETY FENCE AND BARRELS.
5. ALL MATERIAL AND LABOR FOR THE ADJUSTMENT TO FINISH GRADE OF ALL NEW MANHOLES AND VALVE BOXES SHALL BE FURNISHED BY THE CONTRACTOR AND NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
6. UNLESS SHOWN OTHERWISE IN THE PLANS OR SPECIFICATIONS, DEWATERING OF UTILITY LINE AND STORM SEWER WILL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO THE ITEMS IT MAY BE ASSOCIATED WITH.
7. ALL ASBESTOS-CEMENT PIPE DESIGNATED FOR REMOVAL SHALL BE DISPOSED OF IN STRICT ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. DISPOSAL OF AC PIPE WILL NOT BE PAID DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO UTILITY OR DEMOLITION IMPROVEMENTS.
8. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND WERE OBTAINED FROM EXISTING RECORDS AND VISIBLE EVIDENCE ON THE GROUND. IT IS EXPECTED THAT THERE MAY BE SOME DISCREPANCIES AND OMISSIONS IN THE LOCATIONS AND QUANTITIES OF EXISTING UTILITIES AND STRUCTURES SHOWN. THE CONTRACTOR SHALL VERIFY THE DEPTH AND LOCATION OF ALL KNOWN EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT CONFLICTS CAN BE AVOIDED. WHEN AN EXISTING UTILITY OR UNDERGROUND PIPELINE IS ENCOUNTERED, THAT WAS PREVIOUSLY NOT LOCATED OR INCORRECTLY LOCATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE APPROPRIATE UTILITY COMPANY TO OBTAIN PROCEDURAL INSTRUCTIONS. THE CONTRACTOR SHALL COOPERATE WITH THE APPROPRIATE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND REPAIRING ANY UTILITIES DAMAGED AS A RESULT OF OPERATIONS.
10. ALL PIPELINE VALVES SHALL BE ACCESSIBLE AT ALL TIMES.
11. PAVEMENT REPAIR SHALL BE PAID FOR ONLY IF THE REPAIR OCCURS OUTSIDE THE LIMITS OF PROPOSED STREET EXCAVATION. TRENCH RESTORATION, ALONG EXISTING PAVEMENTS THAT ARE SCHEDULED FOR SUBSEQUENT STREET EXCAVATION, SHALL INCLUDE REPLACEMENT OF BASE WITH LOW P.I. MATERIAL THAT IS CONDUCTIVE FOR SALVAGE.
12. WHERE UTILITY AND/OR STORM SEWER WORK IS PERFORMED UNDER AREAS OF THE EXISTING ROADWAY OR TEMPORARY DETOURS THAT ARE REQUIRED TO CARRY TRAFFIC PRIOR TO COMPLETION OF THE STREET IMPROVEMENTS, THE CONTRACTOR SHALL APPLY SURFACE TREATMENT ON TOP OF THE BASE OR BACKFILL MATERIAL UNTIL SUCH TIME THAT THE PROPOSED PAVEMENT SECTION IS CONSTRUCTED. THESE TEMPORARY PAVEMENTS (INCLUDING BACKFILL, BASE MATERIAL AND SURFACE TREATMENT) WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE SUBSIDIARY TO THE BID ITEM TRAFFIC CONTROL.

6. STORM SEWER

PUBLIC AND PRIVATE

1. ALL CURB INLETS SHALL HAVE A 5' THROAT, UNLESS NOTED OTHERWISE.
2. ALL STORM SEWER PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE WITH TYPE B WALL AND TONGUE-AND-GROOVE JOINTS PER ASTM C-76 OR CORRUGATED HDPE DUAL WALL PIPE MANUFACTURED IN ACCORDANCE WITH ASTM F2306 AND WITH GASKETED WATER TIGHT JOINTS MEETING ASTM D3212 UNLESS NOTED OTHERWISE ON THE DRAWINGS. CLASS IV REINFORCED CONCRETE PIPE SHALL BE USED WHERE TOP OF PIPE EXTENDS INTO SUBGRADE OR BASE COURSE.
3. PRE-CAST INLETS, SHALL HAVE CAST-IN-PLACE THROAT AND TOP.
4. A PIPE COLLAR SHALL BE USED WHERE PROPOSED STORM SEWER IS TO BE CONNECTED TO EXISTING STORM SEWER. PIPE COLLARS SHALL NOT BE PAID FOR SEPARATELY BUT CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS. PIPE COLLARS SHALL NOT BE REQUIRED AT TONGUE AND GROOVE CONNECTIONS.
5. ALL CONCRETE PIPE AND BOX JOINTS SHALL REQUIRE PREFORMED PLASTIC SEALING COMPOUND AND JOINT WRAP.

7. GAS LINES

1. ALL CONNECTIONS AND ADJUSTMENTS TO EXISTING GAS LINES SHALL BE PERFORMED BY THE CITY GAS DEPARTMENT IF REQUIRED BY CITY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GAS DEPARTMENT AND IS RESPONSIBLE FOR PAYING ALL COSTS ASSOCIATED WITH CONNECTIONS OR ADJUSTMENTS.

8. MISCELLANEOUS

1. CONCRETE SHALL BE SAW CUT WHERE AN EXISTING CONCRETE STRUCTURE IS TO BE PARTIALLY REMOVED.
2. TREE TRIMMING SHALL BE DONE IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE. TREES, TREE STUMPS AND BRUSH WITHIN THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND HAULED AWAY.
3. PRIMING AND HOT-MIX PLACING OPERATIONS SHALL NOT BE CONDUCTED ON DAYS FOR WHICH AN OZONE ADVISORY HAS BEEN ISSUED, EXCEPT FOR REPAIRS.
4. REMOVAL OF EXISTING FENCE, IN AREAS TO RECEIVE NEW FENCE, WILL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS, UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE FROM THE TIME AN EXISTING FENCE IS REMOVED TO THE TIME THE PROPOSED FENCE IS REPLACED. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
5. ALL WORK SHALL BE PERFORMED DURING DAYLIGHT HOURS.
6. ALL TRASH SHALL BE PICKED-UP AND REMOVED AT THE END OF EACH DAY.
7. CONTRACTOR SHALL VERIFY ALL SURFACE CONDITIONS OF THE SITE PRIOR TO PREPARING AND SUBMITTING ITS BID.
8. WHERE THE WORD "PROPOSED" OR PROP." IS UTILIZED IN THIS SET OF DOCUMENTS, IT SHALL MEAN "NEW CONSTRUCTION TO BE PERFORMED AS PART OF THIS CONTRACT."

9. TRAFFIC

1. IF CONTRACTOR DISTURBS TRAFFIC BY OCCUPYING TRAFFIC LANES WITH CONSTRUCTION EQUIPMENT OR DELIVERY VEHICLES CONTRACTOR IS RESPONSIBLE FOR ACQUIRING APPROVAL OF A TRAFFIC CONTROL PLAN PERMIT FROM THE CITY TRAFFIC ENGINEER AND IT MUST BE IN CONFORMANCE WITH CURRENT "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD). THIS INCLUDES THE CONSTRUCTION OF DRIVEWAYS AND CURB & GUTTER IN PUBLIC RIGHT OF WAYS.
2. ALL WEATHER VEHICULAR ACCESS TO LOCAL RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN AND PROVIDE SUITABLE TEMPORARY DRAINAGE UNTIL SUCH TIME AS PERMANENT DRAINAGE STRUCTURES ARE COMPLETED. THE EXPENSE FOR PROVIDING SAID SUITABLE TEMPORARY DRAINAGE, INCLUDING CONSTRUCTION OF TEMPORARY SWALES, INSTALLATION AND REMOVAL OF TEMPORARY PIPES AND OTHER ASSOCIATED WORK WILL NOT TO BE PAID FOR SEPARATELY BUT SHALL BE SUBSIDIARY.
4. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TRAFFIC ENGINEERING DEPARTMENT REGARDING RELOCATION OR REPLACEMENT OF EXISTING SIGNS (STOP SIGNS, BUS ROUTE SIGNS, ETC.) AS MAY BE REQUIRED.

10. SURVEY

1. SURVEY CONTROL IS BASED OFF OF MONUMENTATION USING NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88) FOR VERTICAL CONTROL, AND NORTH AMERICAN DATUM 83 (NAD 83), TEXAS SOUTH ZONE 4205 FOR HORIZONTAL CONTROL.
2. CONTROL POINTS HAVE BEEN PROVIDED AND REFERENCED IN THE PLANS TO AID IN CONSTRUCTION. CONTROL POINTS ARE BASED ON THE ABOVE STATED DATUM AND SHALL BE VERIFIED BACK TO THE APPROPRIATE MONUMENTATION BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.

11. NOTIFICATION REQUIREMENTS

1. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR IS REQUIRED TO NOTIFY THE LONE STAR NOTIFICATION COMPANY AT 1-800-669-8344.
2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE TO THE OWNER. ENGINEER AND PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR SHALL NOTIFY LOCAL EMERGENCY SERVICES (I.E. FIRE, E.M.S. AND POLICE) OF ANY CONSTRUCTION ACTIVITIES THAT WOULD AFFECT THE NORMAL FLOW OF TRAFFIC.
4. THE CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE TO THE ENGINEER AND AUTHORIZED TESTING LABORATORY PRIOR TO REQUIRED TESTS.

12. CONTRACTOR'S RESPONSIBILITIES

1. THE CONTRACTOR SHALL COORDINATE ALL SERVICE SHUT DOWNS WITH THE APPROPRIATE UTILITY DEPARTMENT CONSTRUCTION OBSERVER AT LEAST 48 HOURS PRIOR TO THE ANTICIPATED UTILITY SERVICE SHUT DOWN.
2. THE CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED PROPERTY OWNERS IN WRITING AT LEAST 24 HOURS PRIOR TO ANY ANTICIPATED UTILITY SERVICE SHUT DOWN. THE CONTRACTOR SHALL PROVIDE THE CITY WITH A COPY OF ALL WRITTEN CORRESPONDENCE.
3. THE CONTRACTOR SHALL COORDINATE INSPECTIONS WITH THE UTILITY DEPARTMENT INSPECTOR 48 HOURS PRIOR TO ALL WORK BEING COVERED.
4. THE CONTRACTOR SHALL ADVISE THE OWNER AND THE ENGINEER IMMEDIATELY, VERBALLY AND IN WRITING, OF ANY FUEL OR TOXIC MATERIAL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF FUELS, WASTE MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
5. THE CONTRACTOR SHALL COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES WITH APPLICABLE UTILITY COMPANY, OWNER AND TENANT. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING INGRESS AND EGRESS FOR ALL PUBLIC AND PRIVATE FACILITIES AT ALL TIMES AND FOR ALL WEATHER CONDITIONS. UNLESS OTHERWISE INDICATED ON THE PLANS OR APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDED AND MAINTAIN ALL NECESSARY WARNING AND SAFETY DEVICES (FLASHING LIGHTS, FLAG MEN, BARRICADES, SIGNS, ETC.) TO PROTECT THE PUBLIC SAFETY AND HEALTH UNTIL THE WORK HAS BEEN COMPLETED AND ACCEPTED BY THE ENGINEER AND OWNER. ALL BARRICADING SHALL BE DONE IN COMPLIANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
8. THE CONTRACTOR SHALL MAINTAIN ALL REGULATORY SIGNS DURING THE CONSTRUCTION PERIOD.
9. THE CONTRACTOR SHALL ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN ONLY BE ISSUED TO CONTRACTOR ARE TO BE OBTAINED AT THE CONTRACTOR'S EXPENSE.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING SANITARY FACILITIES ON THIS PROJECT FOR EMPLOYEES.
11. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FLOW IN ALL DITCHES AND STORM SEWER AT ALL TIMES.
12. THE CONTRACTOR SHALL PLACE AND COMPACT BACKFILL AS PROMPTLY AND PRACTICABLE AS POSSIBLE AFTER COMPLETION AT EACH STRUCTURE OR PORTION OF A STRUCTURE.
13. PRIOR TO THE ACCEPTANCE OF THE PROJECT, ALL GRADED AND DISTURBED AREAS ARE TO BE RESTORED TO ORIGINAL OR BETTER CONDITION IN ACCORDANCE WITH THE SPECIFICATIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL EXCESS CONSTRUCTION AND WASTE MATERIALS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING THE HANDLING AND DISPOSAL OF EXCESS AND WASTE MATERIALS.
15. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE.
16. THE CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES (INCLUDING ROADWAYS, PARKING AREAS, DRIVEWAYS, STRUCTURES, UTILITIES, ETC.) FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF THE CONSTRUCTION OPERATIONS ARE TO BE REPAIRED IMMEDIATELY BY THE CONTRACTOR TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING BEFORE THE DAMAGE WAS DONE. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE FACILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL LOCATE, PROTECT AND MAINTAIN BENCHMARKS, MONUMENTS AND CONTROL POINTS. THE CONTRACTOR SHALL RE-ESTABLISH DISTURBED OR DESTROYED ITEMS AT HIS EXPENSE. THE RE-ESTABLISHMENT SHALL BE PERFORMED UNDER THE DIRECTION OF A TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR.
18. EXISTING ELECTRICAL LINES ARE LOCATED CLOSE TO THE PROJECT. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE STATE LAW (VERNON'S ANNOTATED TEXAS STATUTES, ARTICLE 1436(C)) CONCERNING OPERATIONS IN THE VICINITY OF ELECTRICAL LINES AND THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.
19. WHERE WATER LINES AND SEWER LINES ARE INSTALLED WITH A SEPARATION DISTANCE CLOSER THAN NINE FEET (I.E., WATER LINES CROSSING WASTEWATER LINES, WATER LINES PARALLELING WASTEWATER LINES OR WATER LINES NEXT TO MANHOLE(S), THE INSTALLATION WILL MEET THE REQUIREMENTS OF 30 TAC 317
20. WATER NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL ARRANGE FOR A METERED CONNECTION(S) AND SHALL PROVIDE THE PROPER EQUIPMENT TO PREVENT CROSS-CONNECTION.

13. ADA AND TAS COMPLIANCE FOR ACCESSIBLE ROUTES

1. EVERY EFFORT HAS BEEN MADE BY THE ENGINEER TO COMPLY WITH THE AMERICANS WITH DISABILITY ACT (ADA) AND TEXAS ACCESSIBILITY STANDARDS. DURING CONSTRUCTION, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE STANDARDS INCLUDED IN THESE DOCUMENTS. CONFLICTS WITH THE PLANS AND/OR SPECIFICATIONS FOUND BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE O.A.R./ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
2. THE MINIMUM STANDARD OUTLINED BELOW SHALL BE ADHERED TO AT ALL TIMES.
   A. ALL SIDEWALKS SHALL BE A MINIMUM OF 4" THICK. SEE DETAIL SHEETS.
   B. THE FOLLOWING GENERAL TEXAS ACCESSIBILITY STANDARD (TAS) & ADA CRITERIA APPLY TO MANEUVERING, SURFACES AT DOORS< ENTRIES, PORCHES, RAMP LANDINGS, PARKING AREAS, WALKWAYS, AND PAVEMENT WHICH ARE PART OF A REQUIRED ACCESSIBLE ROUTE FOR ENTRY/EXIT.
   - CROSS SLOPE FOR ACCESSIBLE WALKWAYS SHALL NOT EXCEED 1:50 (2%).
   - RUNNING SLOPE FOR ACCESSIBLE WALKWAYS SHALL NOT EXCEED 1:20 (5%).
   - PAVEMENT SURFACES THAT ARE PART OF A REQUIRED ACCESSIBLE ROUTE SHALL NOT EXCEED 1:50 (2%) CROSS SLOPE AND A 1:20 (5%) RUNNING SLOPE.
   - CHANGES IN GRADE IN ACCESSIBLE ROUTES GREATER THAN 1:20 (5%) REQUIRE A RAMP.
   - ABRUPT CHANGES IN LEVEL IN EXCESS OF 1/4" ARE NOT PERMITTED.
3. ACCESSIBLE ROUTE ELEVATIONS INDICATED ON THE GRADING PLAN ARE INTENDED TO COMPLY IN ALL RESPECTS WITH TAS AND ADA REQUIREMENTS. THE CONTRACTOR IS TO ADJUST GRADES AS NECESSARY TO FIT PARTICULAR CONDITIONS. NOTIFY O.A.R./ENGINEER AND REQUEST INSTRUCTION IF NON-COMPLIANT SITUATIONS ARE ENCOUNTERED AND ANTICIPATED.
4. CONCRETE SURFACE ALONG THE ACCESSIBLE PATHWAY SHALL RECEIVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE.
5. THE DETECTABLE WARNING PANELS MUST COMPLY WITH TEXAS ACCESSIBILITY STANDARDS 705 AT MINIMUM OF 24 INCHES IN DEPTH (IN THE RAMP OR CURB OPENING OF PEDESTRIAN TRAVEL) AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING, DETECTABLE WARNING PANELS MUST BE A CITY & TXDOT-APPROVED PANELS MATERIAL (ARMORTILE, OR APPROVED EQUAL). BRICK PAVERS OR METAL PANELS ARE NOT ALLOWED. THE PANELS SHALL RED IN COLOR DETECTIBLE WARNING PANEL MUST FOLLOW THE CURB LINE ON CURB RADII AND MAY BE NO MORE THAN 6 TO 10 INCHES FROM THE PROJECTED FACE OF CURB. CURVED PANELS OR CUT PANELS MAY BE REQUIRED.

EXISTING UTILITIES NOTE

EXISTING UTILITIES SHOWN ON PLANS ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY REPRESENT THE EXACT LOCATION OF SUCH FACILITIES, NOR IS IT IMPLIED THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLANS. URBAN|DCCM ASSUMES NO RESPONSIBILITY FOR THE EXISTENCE OR LOCATION OF ANY SURFACE OR SUBSURFACE UTILITIES OR STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY OWNERS AND FIELD LOCATING ALL EXISTING UNDERGROUND, SURFACE AND OVERHEAD UTILITIES PRIOR TO COMMENCING WITH ANY CONSTRUCTION OPERATIONS OR ORDERING MATERIALS. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND PRIOR TO COMMENCING CONSTRUCTION OF ANY OBSERVED CONFLICTS OR DISCREPANCIES WITH THE PLANS.

APPROVED BY	DESCRIPTION	DATE	BY	REV.

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

GENERAL NOTES

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBANDCCM.COM

SHEET
C2
OF C15

JOB NO.
73506

TYPICAL LEGEND / SYMBOLS

LINETYPES

WW	WASTEWATER LINE
W	WATER LINE
G	GAS LINE
STO	STORMWATER LINE
TEL	TELEPHONE LINE
OHL	OVERHEAD POWER
E	ELECTRIC LINE
	TOP OF BANK / SLOPE
	BOTTOM OF SLOPE
	UTILITY EASEMENT
	RIGHT OF WAY
0.0	CONTOURS
//	WOOD FENCE
X	METAL FENCE
	PROPERTY LINE
	YARD REQUIREMENT / BUILDING LINE
GB	GRADE BREAK

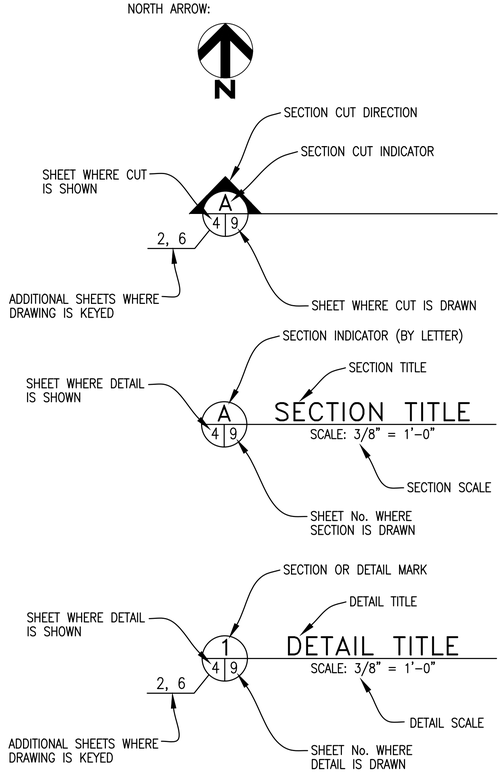
SYMBOLS

	BENCHMARK POINT
	FIRE HYDRANT
W	WATER VALVE (TYPE INDICATED ON PLANS)
	AIR RELEASE VALVE
W	WATER METER
	WATER FAUCET
	WATER VAULT
G	GUARD POST / BOLLARD
	SHRUB
	LIGHT POLE
	SIGN
WW	WASTEWATER MH
	CLEANOUT
SD	STORM WATER MH
	GRATE INLET
G	GAS VALVE
G	GAS METER
E	ELECTRIC MH
T	TELEPHONE MH
SIZE	TREE
	GUY ANCHOR
	POWER POLE
	FLOW ARROW

GENERAL ABBREVIATIONS

	@	AT (MEASUREMENT)
A	APPROX	APPROXIMATE
	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
	ASSY	ASSEMBLY
	AVG	AVERAGE
	AIP	ABANDONED IN PLACE
B	B–B	BACK TO BACK OF CURB
	BFV	BUTTERFLY VALVE
	BLDG	BUILDING
C	CC	CENTER OF CURVATURE, CENTER TO CENTER
	CF	CUBIC FEET
	CFM	CUBIC FEET PER MINUTE
	CFS	CUBIC FEET PER SECOND
	C&G	CURB AND GUTTER
	CIP	CAST IRON PIPE
	CIPP	CURED IN PLACE PIPE
	CJ	CONTROL JOINT
	CL OR ℄	CENTERLINE
	CLR	CLEAR
	CMP	CORRUGATED METAL PIPE
	CO	CLEAN OUT
	CONC	CONCRETE
	CR	CROWN
	CRS	COURSE
	CY	CUBIC YARD
D	DB	DUCT BANK
	DEG OR °	DEGREE
	DIA OR ⌀	DIAMETER
	DIM	DIMENSION
	DIP	DUCTILE IRON PIPE
	DI	DUCTILE IRON
	D/S	DOWNSTREAM
	DWG(S)	DRAWING(S)
E	EAE	ENGINEER APPROVED EQUAL
	EFF	EFFLUENT
	EFM	EFFLUENT FORCE MAIN
	EL/ELEV.	ELEVATION
	EQ SP	EQUALLY SPACED
	EST	ESTIMATED
	EXIST/EX.	EXISTING
F	FG	FINISHED GRADE
	FH	FIRE HYDRANT
	FL	FLOW LINE ELEVATION
	FM	FORCEMAIN
	FT OR '	FOOT, FEET
G	GA	GAUGE OR GAGE
	GAL	GALLONS
	GALV	GALVANIZE, GALVANIZED
	GB	GRADE BREAK
	GPM	GALLONS PER MINUTE
H	HDG	HOT DIPPED GALVANIZED
	HDPE	HIGH DENSITY POLYETHYLENE
	HGL	HYDRAULIC GRADE LINE
	HMACP	HOT MIX ASPHALT CONC PVMT
	HP	HORSEPOWER, HIGH POINT, HIGH PRESSURE
	HWL	HIGH WATER LEVEL
I	ID	INSIDE DIAMETER, INSIDE DIMENSION
	IN OR "	INCH, INCHES
	INV	INVERT
	IPS	IRON PIPE SIZE
J	JB	JUNCTION BOX
L	LB(S)	POUNDS
	LF	LINEAR FEET
	LG	LONG
	LS	LIFT STATION
	LT	LEFT
	LWL	LOW WATER LEVEL
M	MAX	MAXIMUM
	MFR	MANUFACTURE
	M.E.	MATCH EXISTING
	MGD	MILLION GALLONS PER DAY
	MH	MANHOLE
	MIN	MINIMUM
	MISC	MISCELLANEOUS
	MJ	MECHANICAL JOINT
N	N	NORTH
	NG	NATURAL GROUND
	NO. #	NUMBER
	N.T.S.	NOT TO SCALE
O	OCEW	ON CENTER EACH WAY
	OCST	ONE COURSE SURFACE TREATMENT
	OD	OUTSIDE DIA, OUTSIDE DIM
	OHP	OVERHEAD POWER
P	PC	POINT OF CURVATURE
	PI	POINT OF INTERSECTION
	PL	PROPERTY LINE
	PP	POWER POLE
	PS	PUMP STATION
	PSI	POUNDS PER SQUARE INCH
	PT	POINT OF TANGENCY
	PVC	POLYVINYL CHLORIDE
	PVMT	PAVEMENT
	PROP	PROPOSED
Q	QTY	QUANTITY
R	RCP	REINFORCED CONCRETE PIPE
	REINF	REINFORCED(ED)(ING)(EMENT)
	REHAB	REHABILITATION
	RIM	ELEVATION AT MANHOLE COVER
	ROW	RIGHT OF WAY
	R&R	REMOVE AND REPLACE
	RT	RIGHT
	RTU	REMOTE TERMINAL UNIT
S	S	SOUTH
	SHT	SHEET
	SL	SLOPE
	SY	SQUARE YARDS
	SPEC	SPECIFICATION
	SS	STAINLESS STEEL
	STA	STATION
	STD(S)	STANDARD(S)
	SW	SIDEWALK
T	TCE	TEMPORARY CONSTRUCTION ESMT.
	TEMP	TEMPORARY
	TGV	TAPPING GATE VALVE
	TOC	TOP OF CONCRETE
	TOG	TOP OF GRATE
	TP	TOP OF PAVEMENT
	TW	TOP OF WALL
	TYP	TYPICAL
U	UG	UNDERGROUND ELECTRIC
	UE	UTILITY EASEMENT
	U/S	UPSTREAM
V	VAR	VARIES
	VCP	VITRIFIED CLAY PIPE
W	WWTP	WASTEWATER TREATMENT PLANT

DETAIL / SECTION ID SYSTEM



TESTING SCHEDULE

DESCRIPTION	RATE
SOILS:	
STANDARD PROCTOR – TRENCH BACKFILL	PER MATERIAL SOURCE
STANDARD PROCTOR – SUBGRADE	PER STREET/MATERIAL
DENSITIES – TRENCH BACKFILL	PER 200 LF TRENCH/LIFT
DENSITIES – SUBGRADE (ASPHALT STREET)	PER 100 LF/LANE/LIFT
DENSITIES – SUBGRADE (CONCRETE STREET)	PER 200 LF/LANE/LIFT
DENSITIES – SUBGRADE (DRIVEWAYS)	PER 2 DRIVEWAYS
DENSITIES – SUBGRADE (SIDEWALKS)	PER 5000 SF
DENSITIES – BEHIND C&G	PER 200 LF
FLEXIBLE BASE:	
SIEVE ANALYSIS	PER 3000 CY
ATTERBERG LIMITS	PER 3000 CY
MODIFIED PROCTOR	PER 3000 CY
L.A. ABRASION	PER 3000 CY
CBR (STANDARD)	PER MATERIAL SOURCE
WET BALL MILL TEST	PER MATERIAL SOURCE
TRIAXIAL TEST	PER MATERIAL SOURCE
DENSITIES OF COMPACTED BASE (HMAC)	PER 100 LF/LANE/LIFT
DENSITIES OF COMPACTED BASE (CONCRETE)	PER 200 LF/LANE/LIFT
DENSITIES OF COMPACTED BASE (C&G)	PER 200 LF C&G
HOT–MIX ASPHALT CONCRETE (HMAC):	
EXTRACTION, SIEVE ANALYSIS	PER 500 TONS OR DAY
LAB DENSITY & STABILITY	PER 500 TONS OR DAY
THEORETICAL DENSITY (RICE METHOD)	PER 500 TONS OR DAY
TEMPERATURE – DURING LAY–DOWN	CONTINUOUS AS NEEDED
THICKNESS – IN PLACE (CORE)	PER 1000 LF STREET
% AIR VOIDS – IN PLACE (CORE)	PER 1000 LF STREET
% THEORETICAL DENSITY – IN PLACE (CORE)	PER 1000 LF STREET
CONCRETE:	
(UNCONFINED COMPRESSION, 7, 14, & 28 DAY)	
CURB AND GUTTER	PER 500 LF CURB
SIDEWALKS AND CURB RAMPS	PER 4000 SF
SIDEWALK RETAINING CURB	PER 300 LF
DRIVEWAYS	PER 2500 SF
CURB, POST & GRATE INLETS	PER 6 EACH
BOX CULVERTS (CAST–IN–PLACE)	PER 100 LF
HEADWALLS	PER EACH
STORM SEWER MANHOLES (CAST–IN–PLACE)	PER 2 EACH
RIPRAP, APRONS & S.E.T.s	PER 4000 SF
MANHOLE BASE / FOOTING	PER 10 EACH

1. THE ABOVE TESTING RATES ARE ONLY ANTICIPATED GUIDELINES, THE ENGINEER RESERVES THE RIGHT TO CONDUCT ADDITIONAL TESTING AT THE ENGINEERS DISCRETION. RE–TEST FOR FAILURES ARE NOT INCLUDED.
2. MOISTURE CONTENTS TO BE INCLUDED WITH THE DENSITY TEST.
3. IN THE EVENT OF FAILURES, ADDITIONAL TESTS WILL BE REQUIRED. IF EXCESSIVE RAIN OR DRY PERIOD OCCURS ON A PREVIOUSLY TESTED SECTION, THE ENGINEER MAY ORDER RE–TESTS AS NECESSARY.

APPROVED BY:	DESCRIPTION	DATE	BY	REV.

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

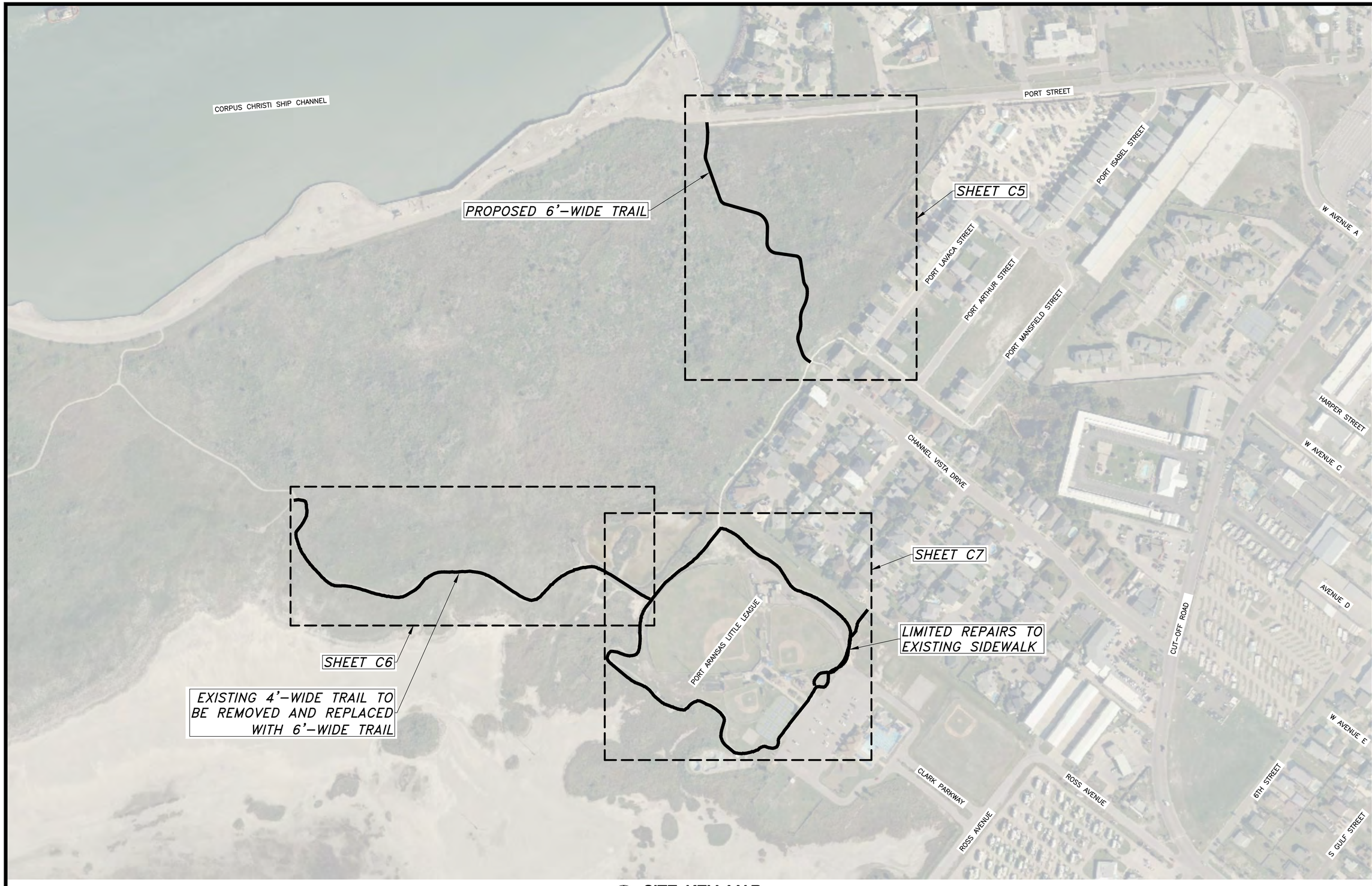
TYPICAL LEGEND AND TESTING SCHEDULE

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR. CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN-DCCM.COM

SHEET
C3
OF C15

JOB NO.
73506



SITE KEY MAP

SCALE: 1"=150' (FULL SIZE)
SCALE: 1"=300' (HALF SIZE)

0 75 150 300
GRAPHIC SCALE
1"=150'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\C4 - SITE KEY MAP.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE KEY MAP

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN-DCCM.COM

SHEET
C4
OF C15

JOB NO.
73506

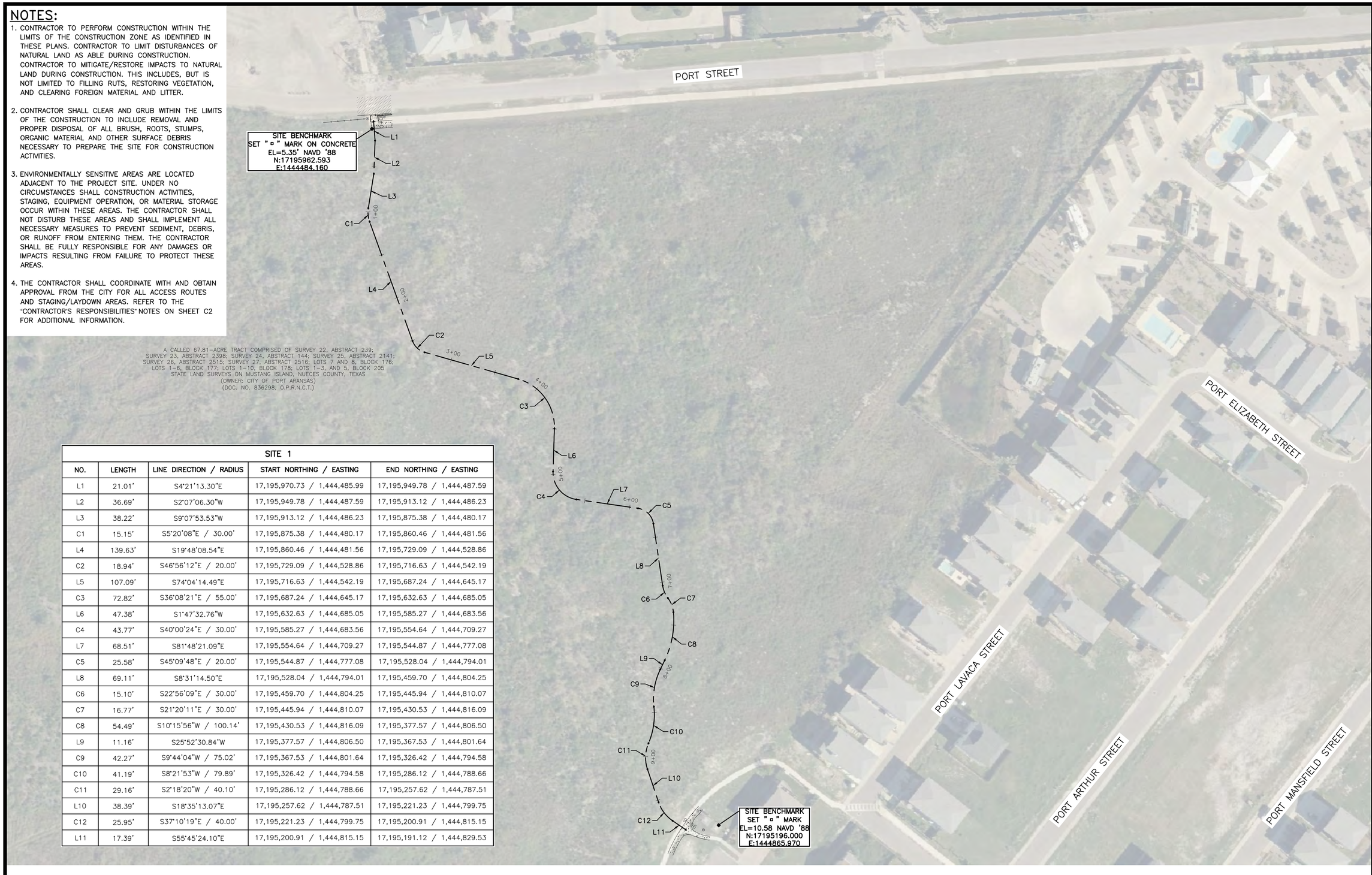
NOTES:

1. CONTRACTOR TO PERFORM CONSTRUCTION WITHIN THE LIMITS OF THE CONSTRUCTION ZONE AS IDENTIFIED IN THESE PLANS. CONTRACTOR TO LIMIT DISTURBANCES OF NATURAL LAND AS ABLE DURING CONSTRUCTION. CONTRACTOR TO MITIGATE/RESTORE IMPACTS TO NATURAL LAND DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO FILLING RUTS, RESTORING VEGETATION, AND CLEARING FOREIGN MATERIAL AND LITTER.

2. CONTRACTOR SHALL CLEAR AND GRUB WITHIN THE LIMITS OF THE CONSTRUCTION TO INCLUDE REMOVAL AND PROPER DISPOSAL OF ALL BRUSH, ROOTS, STUMPS, ORGANIC MATERIAL AND OTHER SURFACE DEBRIS NECESSARY TO PREPARE THE SITE FOR CONSTRUCTION ACTIVITIES.

3. ENVIRONMENTALLY SENSITIVE AREAS ARE LOCATED ADJACENT TO THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION ACTIVITIES, STAGING, EQUIPMENT OPERATION, OR MATERIAL STORAGE OCCUR WITHIN THESE AREAS. THE CONTRACTOR SHALL NOT DISTURB THESE AREAS AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO PREVENT SEDIMENT, DEBRIS, OR RUNOFF FROM ENTERING THEM. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES OR IMPACTS RESULTING FROM FAILURE TO PROTECT THESE AREAS.

4. THE CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM THE CITY FOR ALL ACCESS ROUTES AND STAGING/LAYDOWN AREAS. REFER TO THE "CONTRACTOR'S RESPONSIBILITIES" NOTES ON SHEET C2 FOR ADDITIONAL INFORMATION.



SITE 1

NO.	LENGTH	LINE DIRECTION / RADIUS	START NORTHING / EASTING	END NORTHING / EASTING
L1	21.01'	S4°21'13.30"E	17,195,970.73 / 1,444,485.99	17,195,949.78 / 1,444,487.59
L2	36.69'	S2°07'06.30"W	17,195,949.78 / 1,444,487.59	17,195,913.12 / 1,444,486.23
L3	38.22'	S9°07'53.53"W	17,195,913.12 / 1,444,486.23	17,195,875.38 / 1,444,480.17
C1	15.15'	S5°20'08"E / 30.00'	17,195,875.38 / 1,444,480.17	17,195,860.46 / 1,444,481.56
L4	139.63'	S19°48'08.54"E	17,195,860.46 / 1,444,481.56	17,195,729.09 / 1,444,528.86
C2	18.94'	S46°56'12"E / 20.00'	17,195,729.09 / 1,444,528.86	17,195,716.63 / 1,444,542.19
L5	107.09'	S74°04'14.49"E	17,195,716.63 / 1,444,542.19	17,195,687.24 / 1,444,645.17
C3	72.82'	S36°08'21"E / 55.00'	17,195,687.24 / 1,444,645.17	17,195,632.63 / 1,444,685.05
L6	47.38'	S1°47'32.76"W	17,195,632.63 / 1,444,685.05	17,195,585.27 / 1,444,683.56
C4	43.77'	S40°00'24"E / 30.00'	17,195,585.27 / 1,444,683.56	17,195,554.64 / 1,444,709.27
L7	68.51'	S81°48'21.09"E	17,195,554.64 / 1,444,709.27	17,195,544.87 / 1,444,777.08
C5	25.58'	S45°09'48"E / 20.00'	17,195,544.87 / 1,444,777.08	17,195,528.04 / 1,444,794.01
L8	69.11'	S8°31'14.50"E	17,195,528.04 / 1,444,794.01	17,195,459.70 / 1,444,804.25
C6	15.10'	S22°56'09"E / 30.00'	17,195,459.70 / 1,444,804.25	17,195,445.94 / 1,444,810.07
C7	16.77'	S21°20'11"E / 30.00'	17,195,445.94 / 1,444,810.07	17,195,430.53 / 1,444,816.09
C8	54.49'	S10°15'56"W / 100.14'	17,195,430.53 / 1,444,816.09	17,195,377.57 / 1,444,806.50
L9	11.16'	S25°52'30.84"W	17,195,377.57 / 1,444,806.50	17,195,367.53 / 1,444,801.64
C9	42.27'	S9°44'04"W / 75.02'	17,195,367.53 / 1,444,801.64	17,195,326.42 / 1,444,794.58
C10	41.19'	S8°21'53"W / 79.89'	17,195,326.42 / 1,444,794.58	17,195,286.12 / 1,444,788.66
C11	29.16'	S2°18'20"W / 40.10'	17,195,286.12 / 1,444,788.66	17,195,257.62 / 1,444,787.51
L10	38.39'	S18°35'13.07"E	17,195,257.62 / 1,444,787.51	17,195,221.23 / 1,444,799.75
C12	25.95'	S37°10'19"E / 40.00'	17,195,221.23 / 1,444,799.75	17,195,200.91 / 1,444,815.15
L11	17.39'	S55°45'24.10"E	17,195,200.91 / 1,444,815.15	17,195,191.12 / 1,444,829.53

SITE 1 TRAIL PLAN

SCALE: 1"=50' (FULL SIZE)
SCALE: 1"=100' (HALF SIZE)
0 25 50 100
GRAPHIC SCALE
1"=50'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 – TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\C5 – C7 SITE TRAIL PLAN.dwg modified by SBasaldu on Apr 17, 2026 – 4:24pm

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 1 TRAIL PLAN

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN-DCCM.COM

SHEET
C5
OF C15

JOB NO.
73506

SITE 2				
NO.	LENGTH	LINE DIRECTION / RADIUS	START NORTHING / EASTING	END NORTHING / EASTING
L12	11.79'	N44°37'50.77"E	17,194,722.99 / 1,443,116.22	17,194,731.38 / 1,443,124.50
L13	7.58'	N77°52'30.92"E	17,194,731.38 / 1,443,124.50	17,194,732.97 / 1,443,131.91
C13	15.03'	N88°57'51"E / 38.82'	17,194,732.97 / 1,443,131.91	17,194,733.24 / 1,443,146.84
C14	34.32'	S37°12'05"E / 23.00'	17,194,733.24 / 1,443,146.84	17,194,708.37 / 1,443,165.72
C15	30.35'	S17°57'49"W / 70.00'	17,194,708.37 / 1,443,165.72	17,194,679.73 / 1,443,156.43
C16	11.07'	S25°05'59"W / 60.00'	17,194,679.73 / 1,443,156.43	17,194,669.73 / 1,443,151.74
C17	44.83'	S28°22'43"W / 150.00'	17,194,669.73 / 1,443,151.74	17,194,630.43 / 1,443,130.51
C18	53.86'	S1°37'54"E / 40.00'	17,194,630.43 / 1,443,130.51	17,194,580.57 / 1,443,131.93
C19	63.85'	S34°39'43"E / 330.00'	17,194,580.57 / 1,443,131.93	17,194,528.13 / 1,443,168.19
C20	113.62'	S53°13'46"E / 135.00'	17,194,528.13 / 1,443,168.19	17,194,462.11 / 1,443,256.54
L14	108.38'	S77°20'22.45"E	17,194,462.11 / 1,443,256.54	17,194,438.36 / 1,443,362.28
L15	50.76'	S72°56'43.57"E	17,194,438.36 / 1,443,362.28	17,194,423.47 / 1,443,410.81
L16	30.45'	S75°37'29.06"E	17,194,423.47 / 1,443,410.81	17,194,415.91 / 1,443,440.30
C21	51.97'	N79°33'44"E / 60.00'	17,194,415.91 / 1,443,440.30	17,194,425.03 / 1,443,489.83
L17	35.48'	N54°44'56.46"E	17,194,425.03 / 1,443,489.83	17,194,445.51 / 1,443,518.80
L18	43.03'	N52°14'56.67"E	17,194,445.51 / 1,443,518.80	17,194,471.85 / 1,443,552.82
C22	61.70'	N69°55'28"E / 100.00'	17,194,471.85 / 1,443,552.82	17,194,492.70 / 1,443,609.86
C23	75.64'	N84°32'52"E / 710.00'	17,194,492.70 / 1,443,609.86	17,194,499.88 / 1,443,685.12
C24	61.85'	S76°21'20"E / 80.00'	17,194,499.88 / 1,443,685.12	17,194,485.65 / 1,443,743.74
L19	78.79'	S54°12'25.17"E	17,194,485.65 / 1,443,743.74	17,194,439.57 / 1,443,807.65
C25	70.49'	S59°00'55"E / 420.00'	17,194,439.57 / 1,443,807.65	17,194,403.32 / 1,443,868.01
C26	53.98'	N81°48'35"E / 45.00'	17,194,403.32 / 1,443,868.01	17,194,410.56 / 1,443,918.29
L20	85.93'	N47°26'34.28"E	17,194,410.56 / 1,443,918.29	17,194,468.68 / 1,443,981.59
C27	88.29'	N60°05'22"E / 200.00'	17,194,468.68 / 1,443,981.59	17,194,512.35 / 1,444,057.50
C28	60.95'	S78°09'40"E / 60.00'	17,194,512.35 / 1,444,057.50	17,194,500.37 / 1,444,114.62
L21	19.38'	S49°03'30.92"E	17,194,500.37 / 1,444,114.62	17,194,487.67 / 1,444,129.26
L22	63.57'	S54°42'11.27"E	17,194,487.67 / 1,444,129.26	17,194,450.94 / 1,444,181.14
C29	30.54'	S61°42'08"E / 125.00'	17,194,450.94 / 1,444,181.14	17,194,436.50 / 1,444,207.97
L23	66.76'	S68°42'04.31"E	17,194,436.50 / 1,444,207.97	17,194,412.25 / 1,444,270.17
L24	27.46'	S58°18'48.07"E	17,194,412.25 / 1,444,270.17	17,194,397.83 / 1,444,293.54

SITE BENCHMARK
SET MAG NAIL IN CONCRETE
WITH WASHER STAMPED "DCCM"
EL=6.05' NAVD '88
N:17194760.236
E:1443094.135

SITE BENCHMARK
SET MAG NAIL IN CONCRETE
WITH WASHER STAMPED "DCCM"
EL=5.34' NAVD '88
N:17194420.973
E:1444308.983

PORT ARANSAS COMMUNITY PARK

NOTES:

1. CONTRACTOR TO PERFORM CONSTRUCTION WITHIN THE LIMITS OF THE CONSTRUCTION ZONE AS IDENTIFIED IN THESE PLANS. CONTRACTOR TO LIMIT DISTURBANCES OF NATURAL LAND AS ABLE DURING CONSTRUCTION. CONTRACTOR TO MITIGATE/RESTORE IMPACTS TO NATURAL LAND DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO FILLING RUTS, RESTORING VEGETATION, AND CLEARING FOREIGN MATERIAL AND LITTER.
2. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING 4'-WIDE CONCRETE SIDEWALK AND ALL ASSOCIATED APPURTENANCES IN ACCORDANCE WITH APPLICABLE REGULATIONS AND PROJECT SPECIFICATION.
3. ENVIRONMENTALLY SENSITIVE AREAS ARE LOCATED ADJACENT TO THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION ACTIVITIES, STAGING, EQUIPMENT OPERATION, OR MATERIAL STORAGE OCCUR WITHIN THESE AREAS. THE CONTRACTOR SHALL NOT DISTURB THESE AREAS AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO PREVENT SEDIMENT, DEBRIS, OR RUNOFF FROM ENTERING THEM. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES OR IMPACTS RESULTING FROM FAILURE TO PROTECT THESE AREAS.
4. THE CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM THE CITY FOR ALL ACCESS ROUTES AND STAGING/LAYDOWN AREAS. REFER TO THE "CONTRACTOR'S RESPONSIBILITIES" NOTES ON SHEET C2 FOR ADDITIONAL INFORMATION.

N

SITE 2 TRAIL PLAN

SCALE: 1"=50' (FULL SIZE)
SCALE: 1"=100' (HALF SIZE)
0 25 50 100
GRAPHIC SCALE
1"=50'

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 2 TRAIL PLAN

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR. CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN.DCCM.COM

SHEET
C6
OF C15

JOB NO.
73506

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\C5 - C7 SITE TRAIL PLAN.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

NOTES:

1. AN ALLOWANCE OF 6000 SF HAS BEEN INCLUDED FOR THE REPAIR/REPLACEMENT OF ISOLATED AREAS OF DAMAGED OR CRACKED CONCRETE. THESE REPAIR LOCATIONS SHALL FALL WITHIN THE DASHED BOUNDARIES INDICATED ON THIS SHEET. THE CITY OF PORT ARANSAS WILL IDENTIFY/MARK THE SPECIFIC REPAIR AREAS DURING CONSTRUCTION.

2. ALL REPAIRED CONCRETE SECTIONS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH THE CONCRETE REPAIR DETAIL AS SHOWN.

3. CONTRACTOR TO PERFORM CONSTRUCTION WITHIN THE LIMITS OF THE CONSTRUCTION ZONE AS IDENTIFIED IN THESE PLANS. CONTRACTOR TO LIMIT DISTURBANCES OF NATURAL LAND AS ABLE DURING CONSTRUCTION. CONTRACTOR TO MITIGATE/RESTORE IMPACTS TO NATURAL LAND DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO FILLING RUTS, RESTORING VEGETATION, AND CLEARING FOREIGN MATERIAL AND LITTER.

4. ENVIRONMENTALLY SENSITIVE AREAS ARE LOCATED ADJACENT TO THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION ACTIVITIES, STAGING, EQUIPMENT OPERATION, OR MATERIAL STORAGE OCCUR WITHIN THESE AREAS. THE CONTRACTOR SHALL NOT DISTURB THESE AREAS AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO PREVENT SEDIMENT, DEBRIS, OR RUNOFF FROM ENTERING THEM. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES OR IMPACTS RESULTING FROM FAILURE TO PROTECT THESE AREAS.

5. THE CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM THE CITY FOR ALL ACCESS ROUTES AND STAGING/LAYDOWN AREAS. REFER TO THE "CONTRACTOR'S RESPONSIBILITIES" NOTES ON SHEET C2 FOR ADDITIONAL INFORMATION.

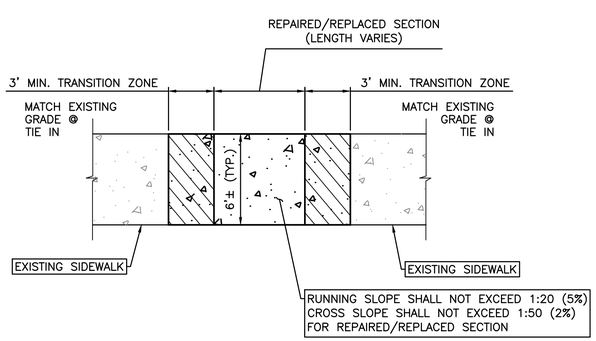
PORT ARANSAS COMMUNITY PARK

EXISTING CONCRETE SIDEWALK

ARANSAS CHANNEL

CORPUS CHRISTI CHANNEL

SEE NOTES 1 AND 2



TYPICAL REPAIR DETAIL

(NOT TO SCALE)

SITE 3 TRAIL PLAN

SCALE: 1"=50' (FULL SIZE)
SCALE: 1"=100' (HALF SIZE)

0 25 50 100

GRAPHIC SCALE
1"=50'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\C5 - C7 SITE TRAIL PLAN.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

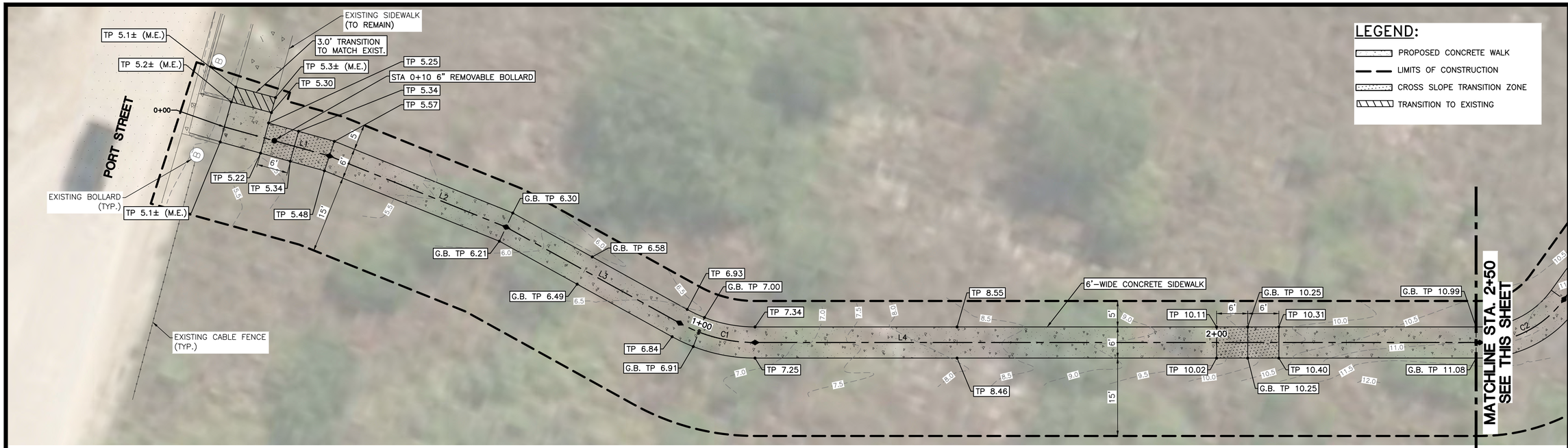
SITE 3 TRAIL PLAN

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN-DCCM.COM

SHEET
C7
OF C15

JOB NO.
73506

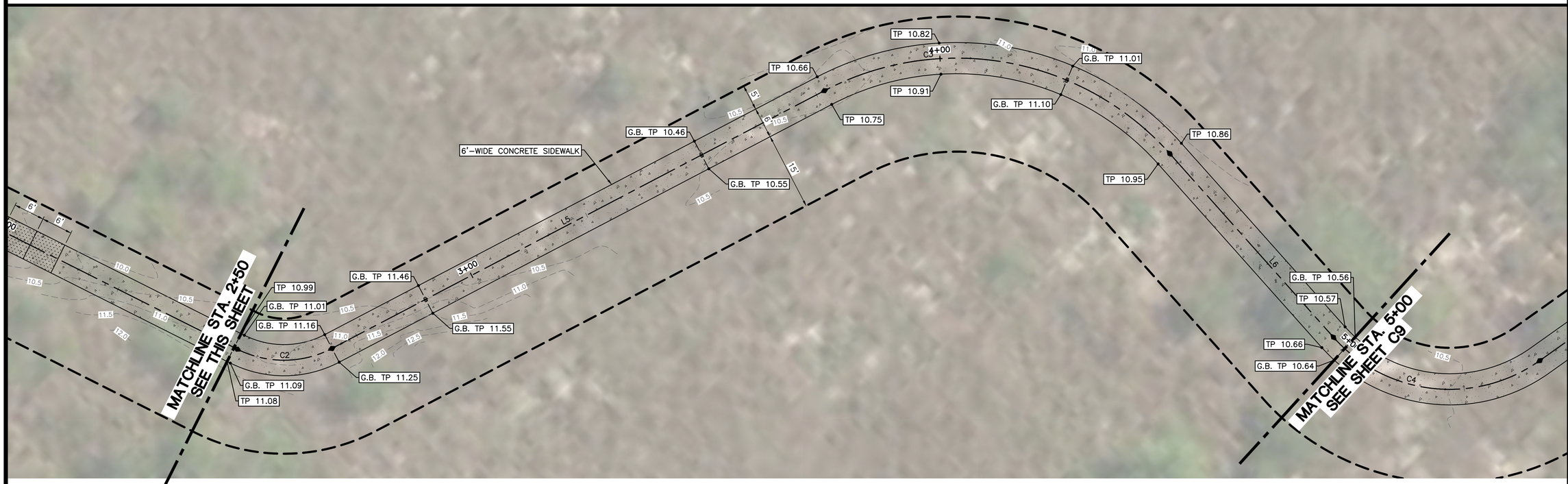


SITE 1 GRADING PLAN
STA 0+00 TO 2+50

1

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'



SITE 1 GRADING PLAN
STA 2+50 TO 5+00

2

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 1 GRADING PLAN STA 0+00 TO STA 5+00

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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SHEET
C8
OF C15

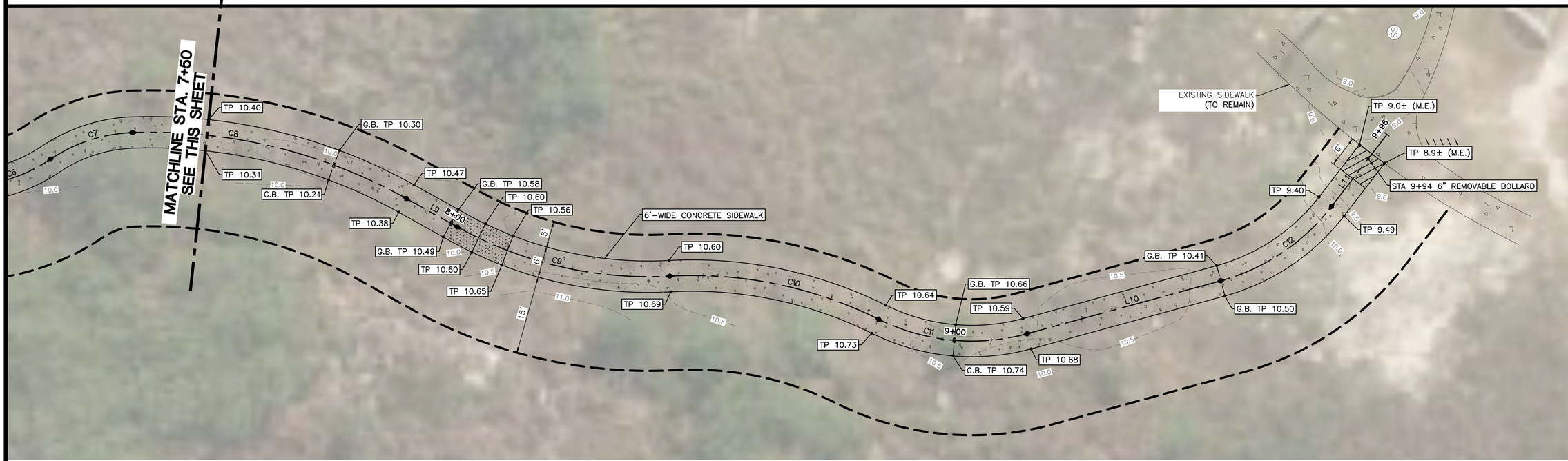
JOB NO.
73506

SITE 1 GRADING PLAN
STA 5+00 TO 7+50

3

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'



SITE 1 GRADING PLAN
STA 7+50 TO END

4

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\SITE 1 GRADING PLAN.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

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AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 1 GRADING PLAN STA 5+00 TO END

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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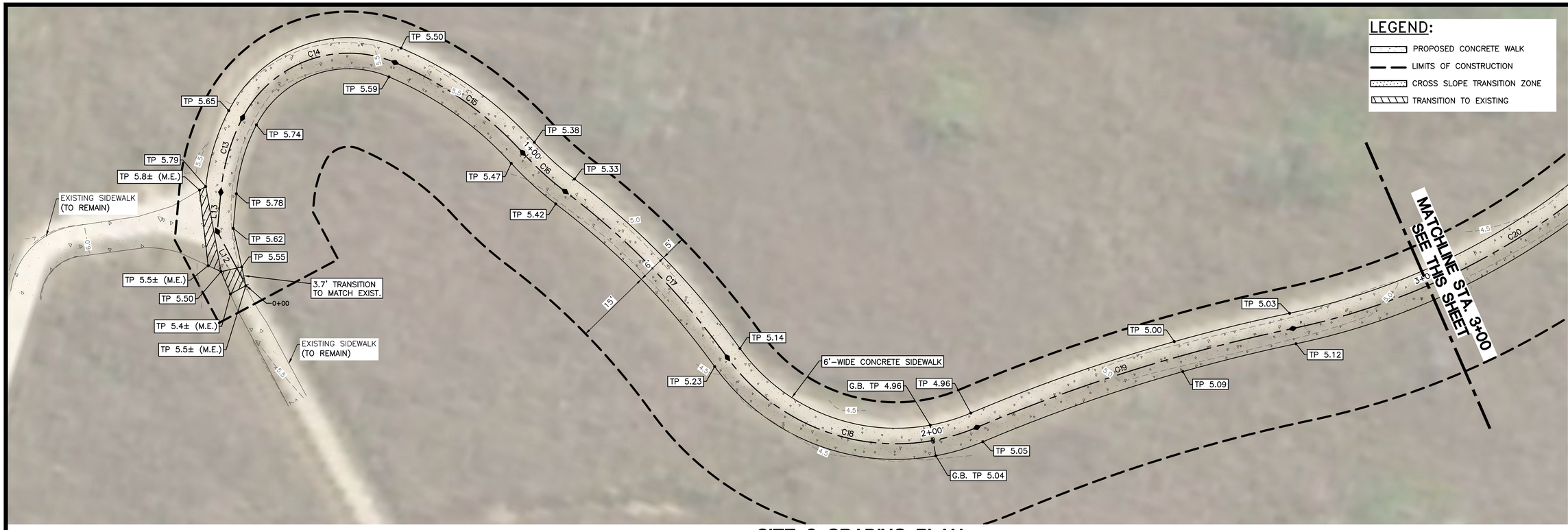
SHEET
C9
OF C15

JOB NO.
73506

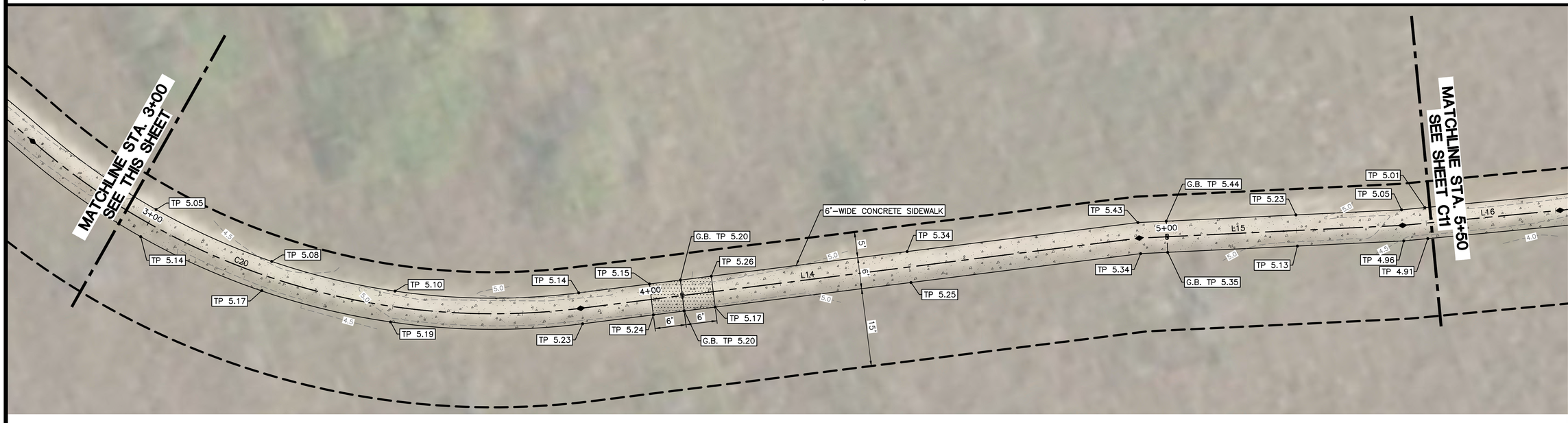


SITE 2 GRADING PLAN
STA. 0+00 TO STA. 3+00

1

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

0 5 10 20
GRAPHIC SCALE
1"=10'



SITE 2 GRADING PLAN
STA. 3+00 TO STA. 5+50

2

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

0 5 10 20
GRAPHIC SCALE
1"=10'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\SITE 2 GRADING PLAN.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

APPROVED BY	DESCRIPTION	DATE	REV. BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

SITE 2 GRADING PLAN
STA 0+00 TO STA 5+50

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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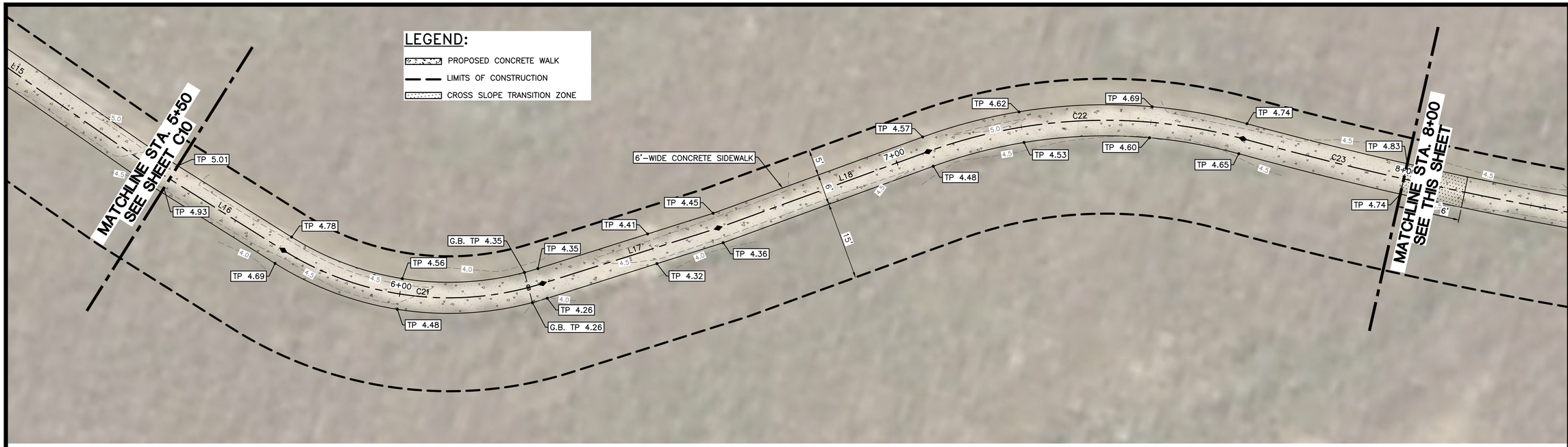
PHONE: 361.854.3101
URBAN.DCCM.COM

SHEET
C10
OF C15

JOB NO.
73506



SITE 2 GRADING PLAN
STA. 5+50 TO STA. 8+00

3

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'

SITE 2 GRADING PLAN
STA. 8+00 TO STA. 10+50

4

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

GRAPHIC SCALE 1"=10'

S:\Vantagepoint\Clients\City of Port Aransas\Engineering\73506 - TPWD Recreational Trails Grant\05 DESIGN\04 DWG\02 CIVIL\SITE 2 GRADING PLAN.dwg modified by SBasaldu on Apr 17, 2026 - 4:24pm

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 2 GRADING PLAN
STA 5+50 TO STA 10+50

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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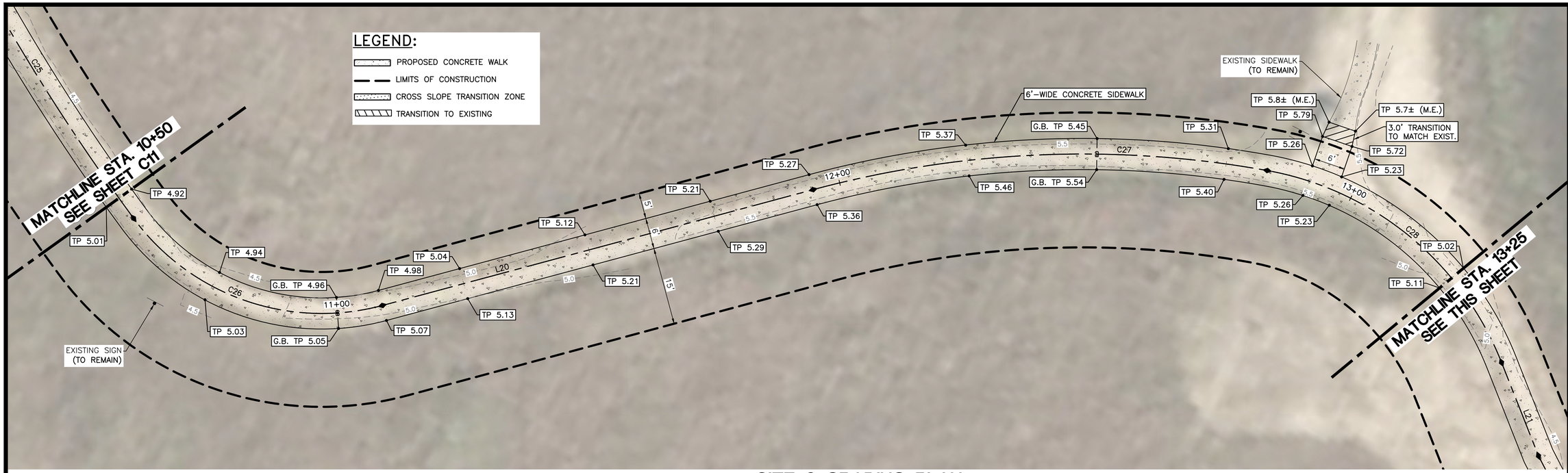
SHEET
C11
OF C15

JOB NO.
73506

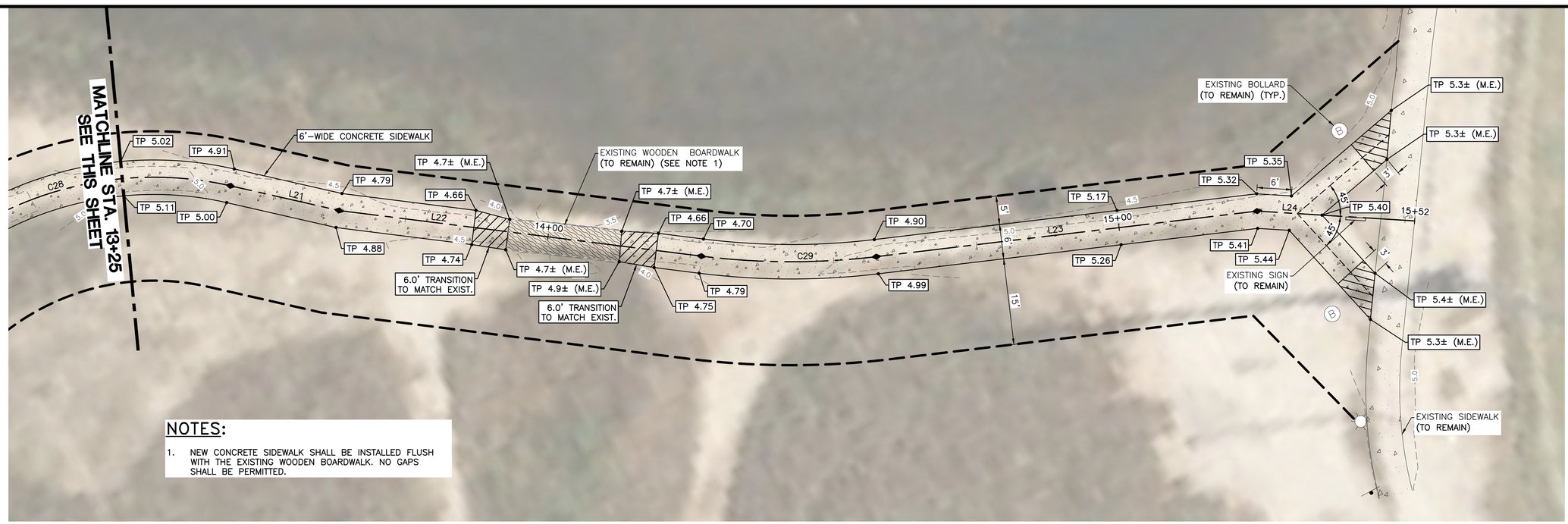


SITE 2 GRADING PLAN
STA. 10+50 TO STA. 13+25

5

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

0 5 10 20
GRAPHIC SCALE
1"=10'



NOTES:

1. NEW CONCRETE SIDEWALK SHALL BE INSTALLED FLUSH WITH THE EXISTING WOODEN BOARDWALK. NO GAPS SHALL BE PERMITTED.

SITE 2 GRADING PLAN
STA. 13+25 TO END

6

SCALE: 1"=10' (FULL SIZE)
SCALE: 1"=20' (HALF SIZE)

0 5 10 20
GRAPHIC SCALE
1"=10'

APPROVED BY	DESCRIPTION	DATE	BY	REV.

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

SITE 2 GRADING PLAN
STA 10+50 TO END

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

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TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
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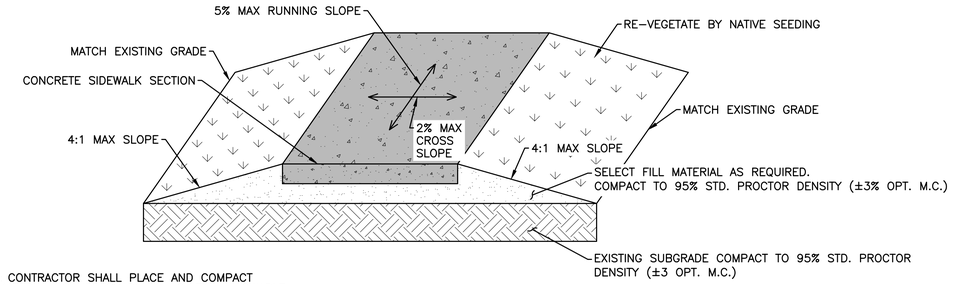
SHEET
C12
OF C15

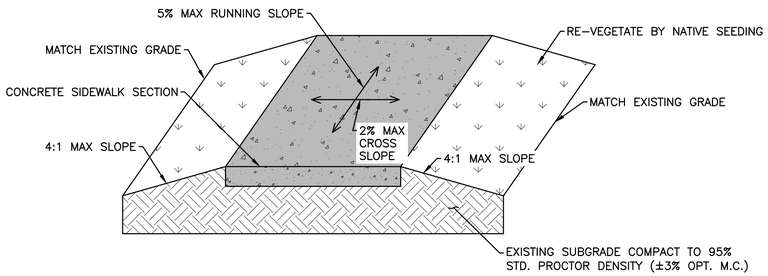
JOB NO.
73506



NOTE: CONTRACTOR SHALL PLACE AND COMPACT FILL MATERIAL AS NECESSARY TO ACHIEVE ALLOWABLE SIDEWALK RUNNING SLOPE OF 5% MAX AND SIDEWALK CROSS SLOPE OF 2% MAX. NO DIRECT PAYMENT WILL BE MADE FOR THIS MATERIAL. BUT IT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

SIDEWALK ON FILL DETAIL

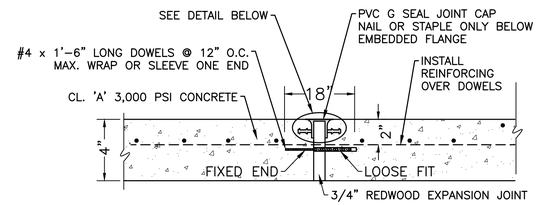
SCALE: N.T.S.



NOTE: CONTRACTOR SHALL PROVIDE FILL NECESSARY TO BRING SUBGRADE UP TO ORIGINAL GRADE AFTER GRUBBING AND CLEARING. NO DIRECT PAYMENT WILL BE MADE FOR THIS MATERIAL. BUT IT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

SIDEWALK ON GRADE DETAIL

SCALE: N.T.S.



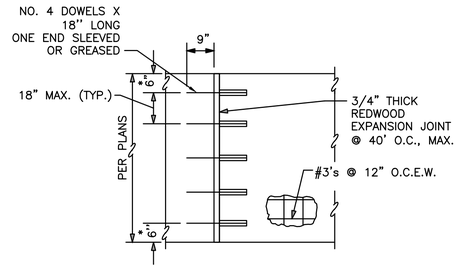
NOTE:
PROVIDE DOWELED EXPANSION JOINTS AT ALL LOCATIONS WHERE SIDEWALKS AND/OR WALKING SURFACES INTERSECT DRIVEWAYS, CURBS, RAMPS OR OTHER SIDEWALKS.

SIDEWALK/FLATWORK EXPANSION JOINT

SCALE: N.T.S.

THINGS TO AVOID:

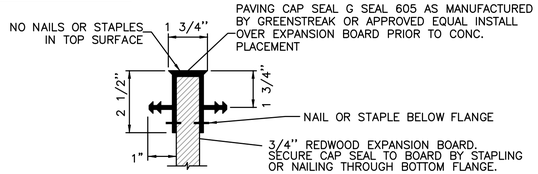
1. DO NOT TOOL CAP SEAL JOINT. INADEQUATE STAKING–EXPANSION BOARDS THAT BOW OR TWIST DURING CONCRETE PLACEMENT WILL RESULT IN IMPROPERLY ALIGNED SEALCAP.
2. INSUFFICIENT CONCRETE AT THE CAP SEAL PROFILE – CAP SEAL SHOULD BE FLUSH OR SLIGHTLY BELOW THE FINISHED CONCRETE SURFACE. CONCRETE WILL NOT ADHERE TO THE TOP OF CAP SEAL.
3. IMPROPER DOWEL ALIGNMENT– REGARDLESS OF THE JOINT SEALING METHOD USED, IMPROPER DOWEL ALIGNMENT MAY CAUSE CRACKING OR SPALLING. PROPER USE OF A DOWEL ALIGNING DEVICE WILL ELIMINATE THIS CONCERN.



PLAN OF STD. SIDEWALK

SCALE: N.T.S.

NOTE:
PLANES OF WEAKNESS (CONTRACTION JOINTS) 1/2" DEEP SHALL BE TOOLED INTO SIDEWALK AT A SPACING EQUAL TO THE WIDTH OF THE SIDEWALK.

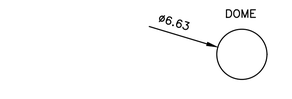


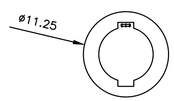
CAP SEAL DETAIL NEW CONC. TO NEW CONC. (FOR SIDEWALK ONLY)

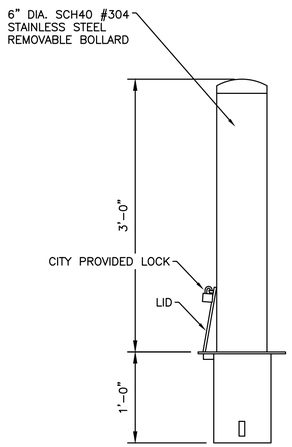
SCALE: N.T.S.

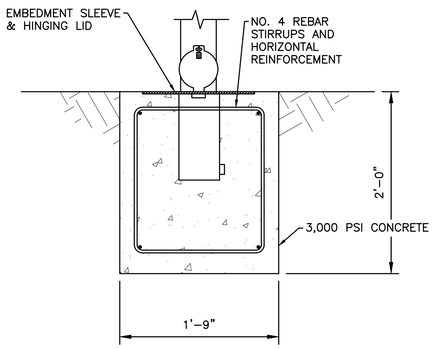
INSTALLATION STEPS:

1. TERMINATE STAKES BELOW THE TOP OF THE BOARD A DISTANCE EQUAL TO THE DEPTH OF THE CAP SEAL PROFILE PLUS 1/4".
2. MITER AND COPE INTERSECTIONS AND CHANGES OF DIRECTION. INSURE ALL SECTIONS TO BE SPLICED ARE CUT SQUARE AND BOUND TOGETHER USING CAP SEAL ADHESIVE.
3. SECURE CAP SEAL TO THE EXPANSION BOARD WITH STAPLES, NAILS, SCREWS (APPROXIMATELY 18" ON CENTER) OR ADHESIVE TO PREVENT DISLOCATION DURING CONCRETE PLACEMENT.
4. PLACE CONCRETE USING NORMAL PLACEMENT TECHNIQUES, UTILIZING THE CAP SEAL AS SCREED RAIL. VIBRATE CONCRETE TO INSURE GOOD CONSOLIDATION AROUND CAP SEAL.



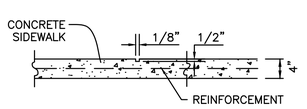






6" REMOVABLE BOLLARD DETAIL

SCALE: N.T.S.

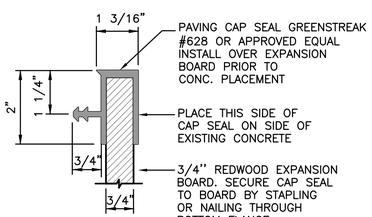


SIDEWALK MARKING DETAIL

(DUMMY JOINTS)
SCALE: N.T.S.

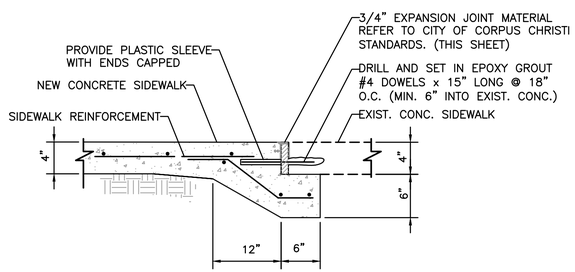
SIDEWALK NOTES :

1. EXPANSION JOINT SEALANT SHALL BE G SEAL 605 OR 628 AS MANUFACTURED BY GREENSTREAK OR APPROVED EQUAL. POLYURETHANE JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM C920–87, TYPE S OR M, GRADE P, CLASS 25 USES T,M,A AND O. SHALL BE USED IN ALL CONTRACTION JOINTS AND EXPANSION JOINTS WHERE CAP SEAL IS NOT FEASIBLE. WHERE GRADES GREATER THAN 3% SLOPE USE BOSTIK 900 SEALANT. SEALANT NOT REQUIRED AT CAP SEAL JOINTS.
2. ALL CONCRETE SHALL BE 3000 PSI. ALL STEEL, GRADE 60, FY = 60,000 PSI
3. MINIMUM SIDEWALK CONCRETE THICKNESS = 4"
4. TRANSVERSE CONTRACTION JOINTS 1/8" WIDE BY 1/2" DEEP SHALL BE CUT IN ALL SIDEWALKS AT 5'–0" INTERVALS (TYPICAL) OR THE INTERVALS SHALL BE SPACED TO MATCH THE WIDTH OF THE SIDEWALK.



CAP SEAL DETAIL NEW CONC. TO EXIST. CONC.

SCALE: N.T.S.



NEW TO EXISTING SIDEWALK TIE-IN DETAIL

SCALE: N.T.S.

APPROVED BY	DESCRIPTION	REV.	BY	DATE

SCALE: AS SHOWN | DRAWN: CG/LC | CHECKED: ACD | DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

CONSTRUCTION DETAILS

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN.DCCM.COM

SHEET C13 OF C15

JOB NO. 73506

COMPLIANCE REQUIREMENTS FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITES (TPDES) GENERAL PERMIT TXR150000)

1. CONSTRUCTION MUST COMPLY WITH TEXAS COMMISSION ON ENVIRONMENTAL QUALITY(TCEQ) TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM(TPDES) WATER QUALITY STANDARDS, CLEAN WATER ACT AND ALL OTHER FEDERAL STATE OR LOCAL AGENCY REQUIREMENTS, AS APPLICABLE. FOR SOIL DISTURBANCES OF ONE (1) ACRE OR MORE, CONTRACTOR MUST COMPLY WITH REQUIREMENTS OF TPDES GENERAL PERMIT TXR1500000 RELATING TO STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, ALSO REFERRED TO AS THE CONSTRUCTION GENERAL PERMIT (CGP) FOR SMALL (< 5 ACRES) OR LARGE CONSTRUCTION (≥ 5 ACRES) ACTIVITIES AS APPLICABLE.
2. IF NOT INCLUDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MUST PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) WITH SITE SPECIFIC BEST MANAGEMENT PRACTICES (BMPS) AND STRUCTURAL/EROSION CONTROLS FOR THE CONSTRUCTION PROJECT ACCORDING TO PREVISIONS OF THE CGP AND THESE PLANS. CONTRACTOR SHALL PROVIDE THE CITY WITH A COPY OF THE SWPPP AND OF THE ROUTINE REPORTS/PAPERWORK PREPARED THROUGHOUT CONSTRUCTION.
3. FOR LARGE CONSTRUCTION ACTIVITIES, CONTRACTOR MUST SUBMIT A NOTICE OF INTENT (NOI) IN THE REQUIRED FORMAT AND PAY THE APPLICABLE FEE IN ACCORDANCE WITH CGP.
4. CONTRACTOR MUST PROVIDE A SIGNED COPY OF THE NOI TO THE MS4 OPERATOR AND LIST IN THE IN SWPPP THE NAMES AND ADDRESSES OF THE MS4 RECEIVING A COPY.
5. CONTRACTOR MUST IMPLEMENT THE SWPPP WITH BMPS AND CONTROLS IN PLACE PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. A COPY OF THE SWPPP MUST BE RETAINED AT THE CONSTRUCTION SITE FOR THE DURATION OF THE PROJECT.
6. CONTRACTOR MUST POST SITE NOTICES IN ACCORDANCE WITH THE CGP IN A LOCATION FOR EASE OF VIEWING BY THE GENERAL PUBLIC AND BY LOCAL, STATE, AND FEDERAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
7. CONTRACTOR MUST SUBMIT A NOTICE OF TERMINATION (NOT), AS APPLICABLE, AT THE END OF CONSTRUCTION AFTER DISTURBED AREAS HAVE REACHED FINAL STABILIZATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT,

NOTES

1. STABILIZED CONSTRUCTION ENTRANCES TO BE INSTALLED AND MAINTAINED AT POINTS OF INGRESS AND EGRESS TO THE WORK ZONE. LOCATIONS TO BE ESTABLISHED IN THE FIELD AND ADJUSTED THROUGHOUT CONSTRUCTION AS NECESSARY.
2. CONTRACTOR TO USE SILT FENCE AND INLET PROTECTION AS REQUIRED, TO PREVENT SEDIMENT FROM LEAVING WORK ZONE.
3. SILT FENCE AND INLET PROTECTION MUST BE MAINTAINED ROUTINELY THROUGHOUT CONSTRUCTION OR FLOODING COULD OCCUR.
4. DISTURBED AREA SHALL BE REVEGETATED IMMEDIATELY UPON CONSTRUCTION ACTIVITY AND WATERED ROUTINELY UNTIL GRASS GROWTH IS ACTIVATED PER SPECIFICATIONS.
5. PRIOR TO ALL CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE IN PLACE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING EROSION CONTROL MEASURES TO PROTECT ADJACENT PROPERTIES AND DRAINAGE WAYS AND TO COMPLY WITH TCEQ SWPPP REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES, AS NECESSARY, DURING CONSTRUCTION TO PREVENT LOSS OF SEDIMENT AND OTHER POLLUTANTS FROM THE WORK ZONES DURING CONSTRUCTION. ADDITIONAL EROSION CONTROLS, IF REQUIRED, SHALL BE CONSIDERED SUBSIDIARY TO THE APPROPRIATE BID ITEMS.
6. ALL DISTURBED AREAS SHALL BE SEEDED WITH A NATIVE GRASS MIXTURE. WATER AS NECESSARY TO ACHIEVE 90% ESTABLISHMENT, OR GREATER.

IP — CURB INLET PROTECTION

GRATE INLET PROTECTION

SILT FENCE

GRATE INLET PROTECTION

GRATE INLET PROTECTION
N.T.S.

EROSION AND SEDIMENTATION CONTROL PLAN

SCALE: 1"=200' (FULL SIZE)
SCALE: 1"=400' (HALF SIZE)
0 100 200 400
GRAPHIC SCALE
1"=200'

REV.	BY	DATE	DESCRIPTION	APPROVED BY

SCALE: AS SHOWN
DRAWN: CG/LC
CHECKED: ACD
DATE: 04/02/2026

STATE OF TEXAS
AVERI C. DEVAULT
158051
LICENSED PROFESSIONAL ENGINEER
04/17/2026

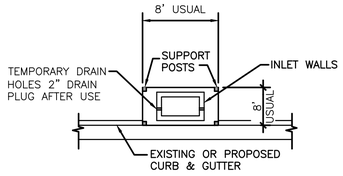
EROSION AND SEDIMENTATION CONTROL PLAN

TPWD RECREATIONAL TRAILS GRANT
PORT ARANSAS, TEXAS

DCCM
TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBANLOCCM.COM

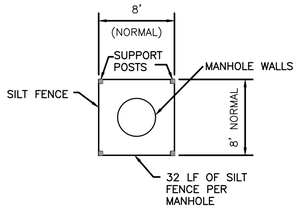
SHEET
C14
OF C15

JOB NO.
73506

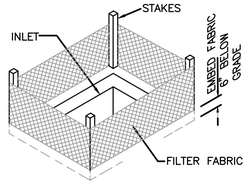


NOTE:
TYPICAL SILT FENCE INSTALLATION AT CURB INLET PRIOR TO PLACEMENT OF CURB AND INLET TOP.

CURB INLET - PLAN
NOT TO SCALE

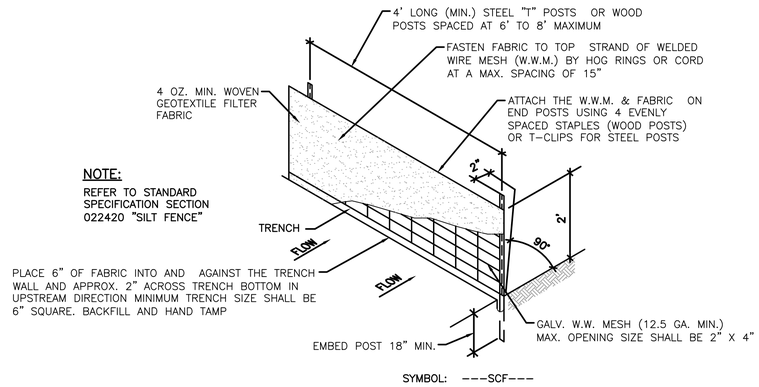


MANHOLE - PLAN
NOT TO SCALE



NOTES:
1. FILTER FABRIC INLET PROTECTION SHALL BE USED DURING CONSTRUCTION TO CONTROL SEDIMENTATION.
2. PERIMETER SILT FENCING AROUND INLET LOCATIONS SHALL BE INSTALLED AFTER PIPE IS PLACED.
3. FABRIC MATERIAL SHALL BE A NET-REINFORCED FENCE, USING WOVEN GEOTEXTILE FABRIC.
4. FENCE SHOULD BE REMOVED UPON COMPLETION OF CONSTRUCTION.

TEMPORARY FILTER FABRIC INLET PROTECTION DETAIL
NOT TO SCALE



NOTE:
REFER TO STANDARD SPECIFICATION SECTION 022420 "SILT FENCE"

SYMBOL: ---SCF---

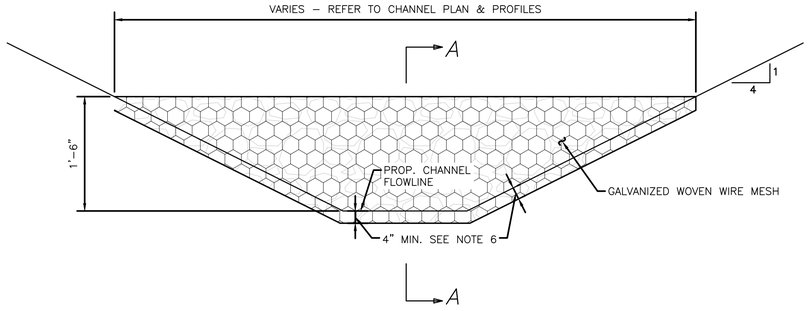
TEMPORARY SEDIMENT CONTROL FENCE DETAIL
NOT TO SCALE

SEDIMENT CONTROL FENCE USAGE GUIDELINES:

SEDIMENT CONTROL FENCE MAY BE CONSTRUCTED NEAR THE DOWNSTREAM PERIMETER OF A DISTURBED AREA ALONG A CONTOUR TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF. A 2 YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE TO BE FILTERED.

SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAX. FLOW THROUGH RATE OF 100 GPM/FT. SEDIMENT CONTROL FENCE IS NOT RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE LARGER THEN 2 ACRES.

* THE GUIDELINES SHOWN HERE ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



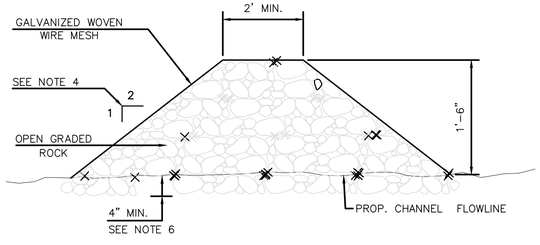
ROCK FILTER DAM AT EARTHEN BOTTOM CHANNEL
NOT TO SCALE

NOTES:
TYPICAL EROSION CONTROL INSTALLATION AT CURB INLET AFTER PLACEMENT OF CURB AND INLET TOP.

CURB INLET PROTECTION DETAIL
NOT TO SCALE

CURB INLET PROTECTION NOTES:

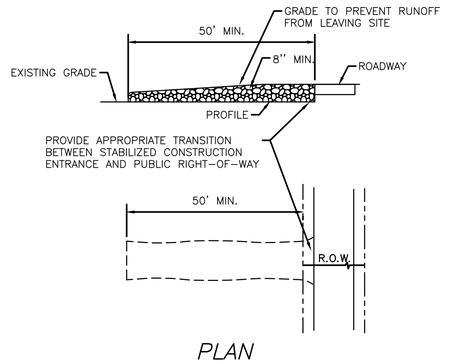
1. TO HOLD THE FILTER DIKE IN PLACE, 20 LB SANDBAGS SHALL BE USED AT 3' O.C. WHERE MINIMUM CLEARANCES CAUSE TRAFFIC TO DRIVE IN THE GUTTER, THE CONTRACTOR MAY SUBSTITUTE A 1"X4" BOARD, SECURED WITH 1/4" OR 3/8" CONCRETE SCREWS. THE 1/4" OR 3/8" CONCRETE SCREWS SHALL BE ATTACHED TO THE GUTTER BY DRILLING AN APPROPRIATE PILOT HOLE WITH A CONCRETE BIT AND INSERT PLASTIC FASTENERS. THE TOP OF THE SCREW SHALL BE RECESSED BELOW THE TOP OF THE BOARD. THE SCREWS SHALL BE PLACED ON 3' O.C. THIS METHOD IS USED IN LIEU OF SANDBAGS, IN THE GUTTER ONLY, TO HOLD THE FILTER DIKE IN PLACE. UPON REMOVAL, EITHER LEAVE THE PLASTIC FASTENERS IN PLACE, OR REMOVE THE PLASTIC FASTENERS, CLEAN ANY DIRT/DEBRIS FROM THE SCREW LOCATIONS, APPLY CHEMICAL SANDING AGENT AND APPLY NON-SHRINK GROUT FLUSH WITH THE SURFACE OF THE GUTTER. THIS METHOD SHALL NOT BE USED ON THE INLET IN LIEU OF SANDBAGS.
2. A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
3. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2". INLET PROTECTION SHALL BE REPLACED AS NECESSARY DURING CONSTRUCTION DUE TO DAMAGE OR DETERIORATION (SUBSIDIARY TO INLET PROTECTION).
4. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND ONLY REMOVE INLET PROTECTION IF DIRECTED BY THE CITY OF CORPUS CHRISTI, OR IF CONTRACTOR OBSERVES AN IMMINENT THREAT OF FLOODING OF SURROUNDING PROPERTY.
5. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.



SECTION A-A
NOT TO SCALE

ROCK FILTER DAM NOTES:

1. IF SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, FILTER DAMS SHOULD BE PLACED NEAR THE TOE OF SLOPES WHERE EROSION IS ANTICIPATED, UPSTREAM AND/OR DOWNSTREAM AT DRAINAGE STRUCTURES, AND IN ROADWAY DITCHES AND CHANNELS TO COLLECT SEDIMENT.
2. MATERIALS (AGGREGATE, WIRE MESH, SANDBAGS, ETC.) SHALL BE AS INDICATED BY THE SPECIFICATIONS FOR "ROCK FILTER DAMS FOR EROSION AND SEDIMENT CONTROL."
3. THE ROCK FILTER DAM DIMENSIONS SHALL BE AS INDICATED ON THE PLANS.
4. SIDE SLOPES SHOULD BE 2:1 OR FLATTER.
5. ROCK FILTER DAM SHALL BE A MINIMUM OF TWO FEET IN THICKNESS AT TOP OF DAM.
6. FILTER DAMS SHOULD BE EMBEDDED A MINIMUM OF 4" INTO EXISTING GROUND.
7. THE SEDIMENT TRAP FOR PONDING OF SEDIMENT LADEN RUNOFF SHALL BE OF THE DIMENSIONS SHOWN ON THE PLANS.
8. ROCK FILTER DAM SHALL BE SECURED WITH 20 GUAGE GALVANIZED WOVEN WIRE MESH WITH 1" DIAMETER HEXAGONAL OPENINGS. THE AGGREGATE SHALL BE PLACED ON THE MESH TO THE HEIGHT & SLOPE SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE AGGREGATE AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS. IN STREAM USE THE MESH SHOULD BE SECURED OR STAKED TO THE STREAM BED PRIOR TO AGGREGATE PLACEMENT.
9. FLOW OUTLET SHOULD BE ONTO A STABILIZED AREA (VEGETATION, ROCK, ETC.)
10. THE GUIDLELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



PLAN

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

CONSTRUCTION ENTRANCE NOTES:

1. STONE SIZE: 3-5" OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50'.
3. THICKNESS: NOT LESS THAN 8".
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

APPROVED BY	DESCRIPTION	REV.	BY	DATE

SCALE: AS SHOWN | DRAWN: CG/LC | CHECKED: ACD | DATE: 04/02/2026

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158051
LICENSED PROFESSIONAL ENGINEER
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EROSION AND SEDIMENTATION CONTROL DETAILS

TPWD RECREATIONAL TRAILS GRANT
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SHEET C15 OF C15

JOB NO. 73506