

AMENDMENT #3 (Corrected)

11-11-22

**Invitation for Bids (IFB) Number
GC-21-WCW1Upgrade-01, 10/19/2021**

**Issued by
Gillespie County Water Control and
Improvement District #1
Fredericksburg, Texas**

***The above numbered IFB hereby is amended as set forth below.
The hour and date specified for receipt of offers is not changed.
Sealed bids are due by: 10:30 a.m., Tuesday, Nov. 15, 2022.***

PURPOSE OF AMENDMENT

1. To transmit Corrected IFB Amendment #3 and include one Q&A recently received.
2. To remind bidders that oral explanations or instructions given before the award of the contract will not be binding. See PART I, Subpart B, Instructions to Bidders, Section 6.

Offerors ***must acknowledge receipt of this Amendment no later than*** the hour and date specified in the IFB for receipt of sealed bids by one of the following methods:

- (1) Make appropriate notations on Exhibit A, Offer form (PART I, Subpart C, page GP-8).
- (2) Complete and return form below. Form must be mailed or hand-carried to the address designated for receipt of bids, and be made to the attention of Steve Ging, Contracting Officer, clearly noting "Acknowledgment of Receipt of Amendment No. 3, IFB No. GC-21-WCW1Upgrade-01 on the envelope". Fax, electronic, or telegraphic acknowledgments of receipt are not allowed.

ACKNOWLEDGMENT OF RECEIPT

**Amendment No. 3 (Corrected) (11-11-22)
IFB No. GC-21-WCW1Upgrade-01 (Site 1 Upgrade)**

Bidder's Signature: _____

Bidder's Name: _____

Bidder's Title: _____

Date Signed: _____

Company Name: _____

Explanation for Amendment

The material specifications for Zone 1 soils have been adjusted to allow the use of soils with a liquid limit less than or equal to 85 within the core of the embankment fill as indicated on the updated typical section on Sheet C-6. The outer shell of the embankment, within the limits designated, shall consist of Zone 1 soils with a liquid limit less than or equal to 70. **The plasticity index of Zone 1 has been adjusted to allow use of soils with a plasticity index of 60 or less.** The material placement data table on Sheet G-2 has been updated accordingly. The borrow area limits shall be extended, if necessary. Final limits of the borrow area shall be approved by the Owner.

Revised Drawing Sheets

- DISCARD Sheet G-2 sealed 11/08/2022 (distributed via IFB Amendment #3 11/10/22).
- INSERT attached **corrected** revised Sheet G-2 sealed 11/08/2022 (IFB Amd. #2 and #3-**corrected**)
- DISCARD Sheet G-3 sealed 04/01/2021.
- INSERT attached revised Sheet G-3 sealed 11/10/2022 (IFB Amd. #3).
- DISCARD Sheet C-6 sealed 04/01/2021.
- INSERT attached revised Sheet C-6 sealed 11/10/2022 (IFB Amd. #3).

New Q&As from CivCast.com

- Q:** What are the \$xxxxxx on bid items for example bid item 1-3? Do these get omitted?
- A:** This is only for Lump Sum bid items. A unit price is not entered by the bidder. Enter your total lump sum bid price in the Amount column.
- Q:** In response to Q&A #5 and Amendment #2 clarification: The plans call for 66" ID steel casing and minimum 1.125" wall thickness. That results in minimum 68.25" OD steel casing pipe, which is not a common dimension for auger boring or tunneling with a tunnel boring machine, which is required by the specification. Steel casing pipe of this size is generally OD determined, and as such all tunneling and boring equipment is based on those dimensions. A common size would be 66" OD or 72" OD. Please consider allowing the use of 72" (OD) steel casing in lieu of 66" (68.25" OD). Additionally there is no maximum requirement on the steel casing pipe wall thickness. The plans say "The thickness shall not be less than 1.125 inches." The position that the casing pipe may not be increased to accommodate standard sizes (i.e. means and methods) is adverse to the specification of a non-standard size and dimension pipe (66" ID) combined with a no maximum parameter wall thickness. Not allowing any flexibility in this parameter will only result in inflated costs for construction in order to procure non-standard material and custom-sized tunneling equipment.
- A:** Respective bidders are to bid the project as it is designed. Contractor may request to use larger diameter casing pipe during the construction but the Boring and Jacking Submittal shall have to include all supporting documents that are in compliance with NRCS's requirements on all associative design aspects related to this change. Documents must be reviewed and approved by the Engineer before any procurement.

Attachments: Drawing Sheets G-2 (**corrected**), G-3, and C-6 (3 revised sheets)

GENERAL NOTES

- THE GENERAL NOTES AND TYPICAL DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS, INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY OWNERS RESIDENT REPRESENTATIVE IF THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH WORK.
- CONTOURS WERE OBTAINED FROM SURVEY PERFORMED IN FEBRUARY OF 2020. CONTRACTOR SHALL MAKE SITE SURVEYS AS NECESSARY FOR CONSTRUCTION AND IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION 7, CONSTRUCTION SURVEYS, HORIZONTAL DATUM IS TEXAS STATE PLANE, NAD83, CENTRAL ZONE 4203, US SURVEY FEET WITH A LOCALIZED SCALE FACTOR OF 1.00012. VERTICAL DATUM IS NAV88
- THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO IMPROVEMENTS AND UTILITIES ALONG THE ACCESS ROUTE AND AT OR NEAR THE WORKSITE. UTILITIES MAY EXIST AND NOT BE SHOWN ON THE CONSTRUCTION DRAWINGS. THE SITE SHALL BE CAREFULLY SCRUTINIZED FOR EVIDENCE OF UTILITIES. AT A MINIMUM, PRIOR TO ANY GROUND DISTURBANCE, THE TELEPHONE NUMBER 811 SHALL BE CALLED TO ASCERTAIN IF UNDERGROUND UTILITIES EXIST IN THE GENERAL WORK AREA. CALLING THIS TELEPHONE NUMBER WILL ONLY ASCERTAIN THE EXISTENCE OF UNDERGROUND UTILITIES OWNED BY COMPANIES THAT SUBSCRIBE TO THIS ORGANIZATION. THERE MAY BE OTHER UNDERGROUND UTILITIES IN THE WORK AREA.
- THE CONTRACTOR SHALL NOTIFY THE OWNERS OF ALL UTILITIES A MINIMUM OF TEN (10) DAYS IN ADVANCE OF INTENT TO PERFORM WORK IN THE VICINITY OF THE AFFECTED UTILITY. THE NOTICE SHALL BE IN WRITING AND A COPY SHALL BE FURNISHED TO THE CONTRACTING OFFICER.
- COMPLY AND CONDUCT WORK IN ACCORDANCE WITH OWNER'S SECURITY REGULATIONS AND REQUIREMENTS. PROVIDE SITE SECURITY AS NECESSARY TO PROTECT AGAINST VANDALISM AND LOSS BY THEFT.
- CONTRACTOR SHALL MANAGE AND PROTECT THE WORK FROM FLOOD FLOWS, STREAM FLOWS, SURFACE WATER RUNOFF, GROUNDWATER OR ANY OTHER WATER ENCOUNTERED DURING THE PROGRESS OF THE WORK IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION II, REMOVAL OF WATER.
- THE APPROXIMATE LOCATIONS OF THE ACCESS ROAD(S), CONSTRUCTION CAMPSITE, SOIL STOCKPILE, BORROW AND WASTE AREAS ARE SHOWN. THE FINAL LOCATIONS OF THESE AREAS SHALL BE DESIGNATED AT THE TIME OF SHOWING OF THE WORKSITE TO PROSPECTIVE BIDDERS.
- THE AREA AROUND OVERHEAD ELECTRICAL TOWERS SHALL BE PROTECTED. PROTECTION SHALL BE PROVIDED TO ANY TOWER, POLE OR GUY STRUCTURE WHEN TRAFFIC OR CONSTRUCTION ACTIVITY IS WITHIN 50 FEET OF THE STRUCTURE.
- WORK UNDER THIS CONTRACT IS AUTHORIZED UNDER THE TERMS AND CONDITIONS OF THE U.S. ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT 3, MAINTENANCE. SEE THE SWPPP FOR DETAILS.
- CONTRACTOR SHALL FOLLOW REQUIREMENTS OF SWPPP.
- CONSTRUCT THE STAGING AREAS AND VEHICLE MAINTENANCE AREAS IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS.
- CONSTRUCTION ACTIVITIES SHALL NOT OCCUR OUTSIDE THE DESIGNATED WORK LIMITS, UNLESS OTHERWISE AUTHORIZED.
- PROVIDE PROTECTED STORAGE FOR PAINTS, CHEMICALS, SOLVENTS, AND OTHER POTENTIALLY HAZARDOUS MATERIALS.
- HANDLING, STORAGE, AND DISPOSAL OF ALL WASTE MATERIAL SHALL CONFORM TO THE SWPPP.
- PREVENT POLLUTION OF SURFACE WATER AND GROUNDWATER WITH PETROLEUM PRODUCTS OR OTHER HAZARDOUS OR REGULATED SUBSTANCES. TAKE SPECIAL MEASURES TO PREVENT CHEMICALS, FUELS, OILS, GREASES, HERBICIDES, AND INSECTICIDES FROM ENTERING DRAINAGE WAYS. DO NOT ALLOW WATER USED IN ON-SITE MATERIAL PROCESSING AND CLEANUP, AND OTHER WASTEWATERS TO ENTER A DRAINAGE WAY, STREAM, OR RIVER.
- PROMPTLY REPAIR EQUIPMENT LEAKING OIL/HYDRAULIC FLUID/ETC. IMMEDIATELY REMOVE AND REPLACE, AS NECESSARY, ALL SOILS ON WHICH SUCH LEAKAGE OCCURRED. PREVENT THE SPREAD OF LEAKED FLUIDS OR FLUID CONTAMINATED MATERIALS FROM THE ORIGINAL LEAK AREA. BE RESPONSIBLE FOR THE PROPER HANDLING AND DISPOSAL OF ALL SUCH CONTAMINATED MATERIALS.
- PROVIDE SECONDARY CONTAINMENT AROUND ANY FUEL AND CHEMICAL STORAGE AREAS TO ENSURE THAT SPILLS FROM ANY SUCH AREAS DO NOT DISCHARGE FROM THE SECONDARY CONTAINMENT AREA. THE SECONDARY CONTAINMENT CAPACITY SHALL BE ADEQUATE TO CONTAIN THE CAPACITY OF THE LARGEST TANK/CONTAINER PLUS SUFFICIENT FREEBOARD TO CONTAIN PRECIPITATION.
- PRECAUTIONS SHALL BE TAKEN DURING EQUIPMENT FUELING AND CHEMICAL TRANSFER OPERATIONS IN ORDER TO PREVENT SPILLS FROM OCCURRING AND TO MINIMIZE THE IMPACT OF ANY SPILL THAT DOES OCCUR. ALL FUEL AND CHEMICAL TRANSFERS SHALL BE CONTINUOUSLY MONITORED. MAINTAIN APPROPRIATE EQUIPMENT ON-SITE FOR RESPONDING TO ANY OIL OR HAZARDOUS SUBSTANCE SPILL. ADDITIONALLY THERE SHALL BE AN ON-SITE PROHIBITION AGAINST THE TOPPING OFF OF TANKS AND EQUIPMENT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL CONSTRUCTION ACTIVITIES, INCLUDING MATERIAL STORAGE, STAGE AREAS, AND EQUIPMENT WITHIN LIMITS OF CONSTRUCTION FOLLOWING CONSTRUCTION.
- NO CONSTRUCTION FILL OR MATERIALS SHALL BE PLACED OR STORED IN AREAS NOT SPECIFICALLY DESIGNATED FOR THAT PURPOSE.
- EXISTING ROADS, ACCESS DRIVES, UTILITIES AND PROPERTY WITHIN THE LIMITS OF CONSTRUCTION DAMAGED BY CONTRACTOR AND ALL DISTURBED AREAS SHALL BE REPAIRED BY CONTRACTOR TO SAME OR BETTER CONDITION PRIOR TO END OF CONSTRUCTION AT THE CONTRACTOR'S EXPENSE, UNLESS PROVIDED FOR IN THE CONSTRUCTION SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLY WITH THE SAFETY REQUIREMENTS OUTLINED IN THE NRCS SUPPLEMENT TO OSHA STANDARDS PART 1910 AND 1926, FOUND IN NEH PART 645 APPENDIX F.

GEOTECHNICAL BORING NOTES:

PARTIAL GEOTECHNICAL BORING LOGS AND EXISTING SOIL DESCRIPTIONS ARE INCLUDED IN THESE DRAWINGS FOR INFORMATION ONLY. ANY REPRESENTATION OF THE SOILS AND FOUNDATION CONDITIONS SHOWN IN THESE DRAWINGS SHOULD BE CONSIDERED PARTIAL, INCOMPLETE, AND NOT PART OF THE CONTRACT DOCUMENTS. ADDITIONAL GEOTECHNICAL DATA MAY BE FOUND IN A SEPARATE GEOTECHNICAL DATA REPORT. THIS SEPARATE DOCUMENT IS ALSO NO PART OF THE CONTRACT DOCUMENTS. THE GEOTECHNICAL DATA REPORT REPRESENTS DATA THAT WAS CONSIDERED SUFFICIENT FOR DESIGN, BUT MAY NOT BE SUFFICIENT FOR CONSTRUCTION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR DETERMINING SUBSURFACE CONDITIONS TO A DEGREE NECESSARY TO SUBMIT THE ASSOCIATED BID ITEMS AND MAY USE THE PROVIDED INFORMATION AT THEIR OWN RISK. REFER TO THE GEOLOGIC INVESTIGATION REPORT FOR DETERMINATIONS OF SOIL AND ROCK PROFILE ELEVATIONS AND BORING LOGS. THE REPORT IS AND IT'S FINDING ARE A REPRESENTATION OF THE SUBSURFACE BASED ON CURRENT PRACTICE FOR GEOTECHNICAL INVESTIGATION AND TESTING. ACTUAL FIELD CONDITIONS MAY VARY.

DRAINFILL AND FILTER GRADATIONS

THE DRAINFILL MATERIALS FOR THE FOUNDATION DRAIN SHALL MEET THE FOLLOWING CRITERIA UNLESS OTHERWISE SPECIFIED IN CONSTRUCTION SPECIFICATION 24:

COARSE - ASTM C33 #89 COARSE AGGREGATE

FINE - ASTM C33 FINE AGGREGATE WITH A MODIFIED GRADATION MEETING THE FOLLOWING:

MATERIAL:	FINE FILTER (FIRST STAGE)
SIEVE	PERCENT PASSING
3/8 IN.	100
NO. 4	90-100
NO. 8	75-100
NO. 16	55-85
NO. 30	35-65
NO. 50	15-45
NO. 100	0-25
NO. 200	0-3



DESIGNED BY: WBW
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 CHECKED BY: NC
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 DATE CHECKED: 11/8/2022

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MATERIAL PLACEMENT DATA

ZONE	MATERIAL CLASSIFICATION	MATERIAL SOURCE	PLACEMENT LOCATION	LIQUID LIMIT	PLASTICITY INDEX	PERCENT PASSING NO. 200	MAXIMUM PARTICLE SIZE	MAXIMUM LOOSE LIFT	MOISTURE DENSITY TEST	MINIMUM PERCENT COMPACTION	MOISTURE LIMITS
1	CL/CH	REQUIRED EXCAVATIONS AND ONSITE BORROW	EMBANKMENT/EXISTING DISCHARGE CHANNEL	SEE SHEET C-6	≤ 60	≥ 50	2"	8"	ASTM D698	A	95% -1% +3%
2	CL	IMPORTED FILL	BACKFILL MATERIAL	<50	≤ 35	> 50	2"	8"	ASTM D698	A	95% -1% +3%
3	CRUSHED STONE (FLEXIBLE BASE)	IMPORTED FILL	BELOW IMPACT BASIN	SEE NOTE 5					ASTM D1557	C	100% -3% +1%
4	FREE-DRAINING FILL	IMPORTED FILL	BELOW INLET RISER STRUCTURE	N/A	N/A	> 5	2"	SEE NOTE 8			

NOTES:

- INCREASED COMPACTION EFFORTS FOR IMPORTED MATERIALS PLACED BELOW STRUCTURES TO MINIMIZE SETTLEMENTS.
- ONLY MATERIALS FOR ZONE 1 SHALL BE OBTAINED FROM REQUIRED SITE EXCAVATIONS. ADDITIONAL MATERIAL, IF REQUIRED, WILL COME FROM THE APPROVED BORROW AREAS DESIGNATED ON THE DRAWINGS.
- THE SOIL MATERIALS EXCAVATED FROM THE EMBANKMENT (FROM ANY GIVEN LOCATION) SHALL BE REPLACED WITH LIKE MATERIALS, UNLESS OTHERWISE INDICATED.
- CONDUCT SUCH FIELD TESTS DEEMED NECESSARY AS CONSTRUCTION PROGRESSES ON MATERIALS BEING EXCAVATED TO IDENTIFY DISPERSIVE SOILS. MATERIALS THAT TEST TO BE HIGHLY DISPERSIVE SHALL NOT BE USED TO CONSTRUCT ANY EMBANKMENT ZONE.
- ZONE 3 CRUSHED STONE SHALL COMPLY WITH TXDOT 2014 STD. SPEC. ITEM 247- FLEXIBLE BASE, TYPE A/D, GRADE 1/2. TXDOT TEX-113E MAY BE USED AS AN ALTERNATIVE METHOD TO ASTM D1557 FOR DETERMINING THE MOISTURE DENSITY CHARACTERISTICS OF CRUSHED STONE (FLEXIBLE BASE).
- COMPACTION REQUIREMENTS FOR ZONES 3 VARIES BASED ON PLACEMENT LOCATION.
- ZONE 4 FREE-DRAINING FILL SHALL BE ASTM C-33, NO. 4, NO. 467, NO. 5, NO. 56 MATERIALS OR APPROVED EQUIVALENT.
- FREE-DRAINING FILL (ZONE 4) SHALL BE COMPACTED USING ROLLING OR PLATE VIBRATORY COMPACTORS. COMPACTION EFFORTS SHALL BE BASED ON A TEST PASS THAT ESTABLISHES THE NUMBER OF PASSES REQUIRED TO ACHIEVE COMPACTION OF THE GRAVEL, AFTER REVIEWED AND APPROVED BY CONTRACTING OFFICER. MAXIMUM LIFT THICKNESS IS 12 INCHES, BUT SHALL BE REDUCED DEPENDING ON THE RESULTS OF THE TEST PASS. MAXIMUM LIFT THICKNESS WHEN USING WALK-BEHIND VIBRATORY COMPACTORS IS 4 INCHES.

ROCK RIPRAP GRADATIONS

ROCK RIPRAP FOR THE ROCK LINED OUTLET SHALL MEET THE GRADATION REQUIREMENTS OF ASTM D6092 FOR R-60 ROCK RIPRAP. IT IS ESTIMATED THAT 1,521 TONS OF R-60 ROCK RIPRAP WILL BE REQUIRED TO COMPLETE THE ROCK LINED OUTLET. ROCK RIPRAP FOR THE ROCK LINED WAVE BERM SHALL MEET THE GRADATION REQUIREMENTS OF ASTM D6092 FOR R-60 ROCK RIPRAP. IT IS ESTIMATED THAT 2,619 TONS OF R-60 ROCK RIPRAP WILL BE REQUIRED TO COMPLETE THE WAVE BERM.

ALL ROCK RIPRAP SHALL COMPLY WITH CONSTRUCTION SPECIFICATION 61, AND MATERIAL SPECIFICATION 523.

SPALLS AND ROCK DUST THAT PASS A 3" SIEVE SHALL CONSIST OF LESS THAN 5 PERCENT BY WEIGHT.

ROCK PLACED AGAINST RCC AND CONCRETE WORKS SHALL BE PLACED CAREFULLY TO AVOID DAMAGE.

ROCK RIPRAP (R-60):

% PASSING	ROCK DIAMETER (IN.)		WEIGHT OF ROCK (LBS)	
	MIN.	MAX.	MIN.	MAX.
100	11.1	15.1	60	150
50	8.8	11.1	30	60
15	6.1	8.8	10	30
0	-	6.1	-	10



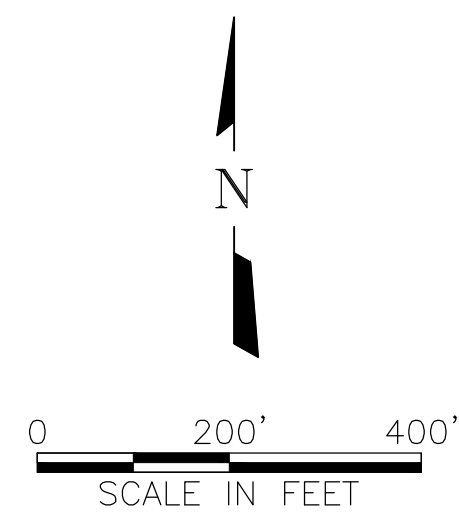
GENERAL NOTES
 FLOODWATER RETARDING STRUCTURE SITE No. 1 UPGRADE OF THE
 WILLIAMS CREEK WATERSHED
 IN
 BLANCO, GILLESPIE, & KENDALL COUNTIES, TEXAS



DRAWING NO. TX-EN-0785
 SHEET NO. G-2
 SEQUENCE NO. 2 OF 65

REVISIONS			
ADDENDUM	DATE	APPROVED	TITLE
△	2022.11.08	NC	ADDENDUM NO.2
△	2022.11.10	NC	ADDENDUM NO. 3

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POST CONSTRUCTION DAM INFORMATION			
ELEVATION (FEET)	SURFACE AREA (ACRES)	STORAGE (ACRE-FT)	STORAGE/DA (INCHES)
1527.6	33.5	128.0	0.4
1528.0	34.4	141.6	0.5
1530.0	40.5	216.3	0.7
1532.0	46.9	303.5	1.1
1534.0	54.3	404.8	1.4
1536.0	61.0	520.2	1.8
1538.0	68.9	649.9	2.3
1540.0	77.3	796.0	2.8
1542.0	87.6	960.8	3.3
1544.0	98.5	1146.7	4.0
1546.0	108.1	1353.2	4.7
1548.0	121.1	1581.7	5.5
1550.0	133.5	1836.9	6.4
1551.5	141.9	2045.9	7.1
1552.0	144.7	2115.5	7.3
1554.0	156.0	2416.6	8.4
1556.0	168.3	2741.3	9.5
1558.0	178.4	3087.7	10.7
1560.0	188.1	3454.1	12.0
1561.5	195.4	3743.8	13.0
1562.0	197.8	3840.4	13.3
1564.0	207.3	4245.5	14.7
TOP OF DAM (EFFECTIVE), EL.			1563.0
EARTHEN AUXILIARY SPILLWAY CREST, EL.			1551.5
PRINCIPAL SPILLWAY CREST, EL.			1527.6
SEDIMENT POOL, EL.			1527.6
DRAINAGE AREA, ACRES			3462
SEDIMENT STORAGE, ACRE-FT			128.0
MAX AUX SPILLWAY CAP, CFS			29203.2

LEGEND	
	PARCELS (GILLESPIE CO. APPRAISAL DISTRICT)

PROPOSED LAND RIGHTS ACTIVITY	
	ACCESS ROAD
	LIMITS OF CONSTRUCTION
	STABILIZED CONSTRUCTION ENTRANCE
	SPOIL AREA
	BORROW AREA
	CONSTRUCTION CAMPSITE AND STOCKPILE AREA



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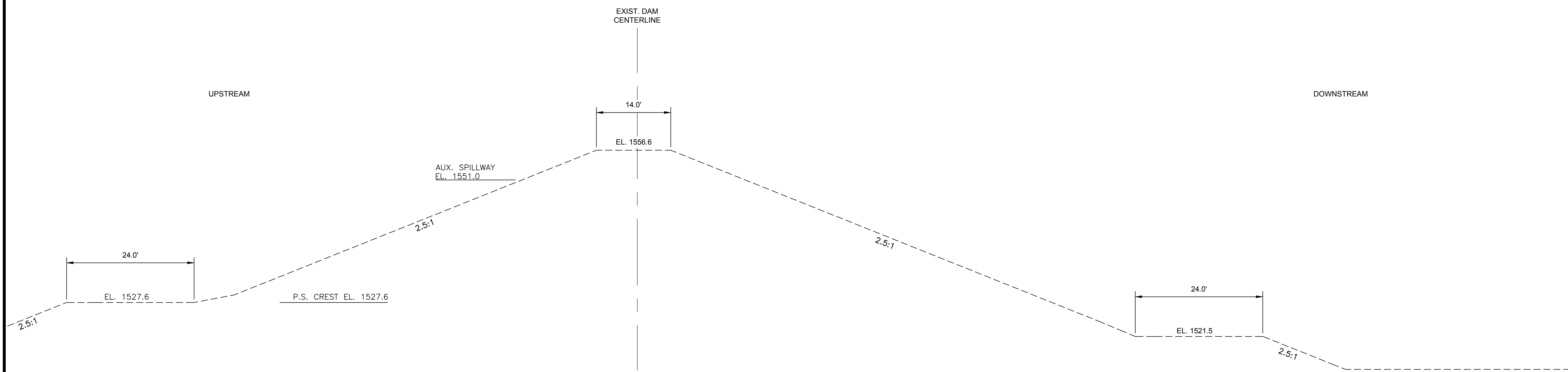
GENERAL PLAN
 FLOODWATER RETARDING STRUCTURE SITE No. 1 UPGRADE OF THE
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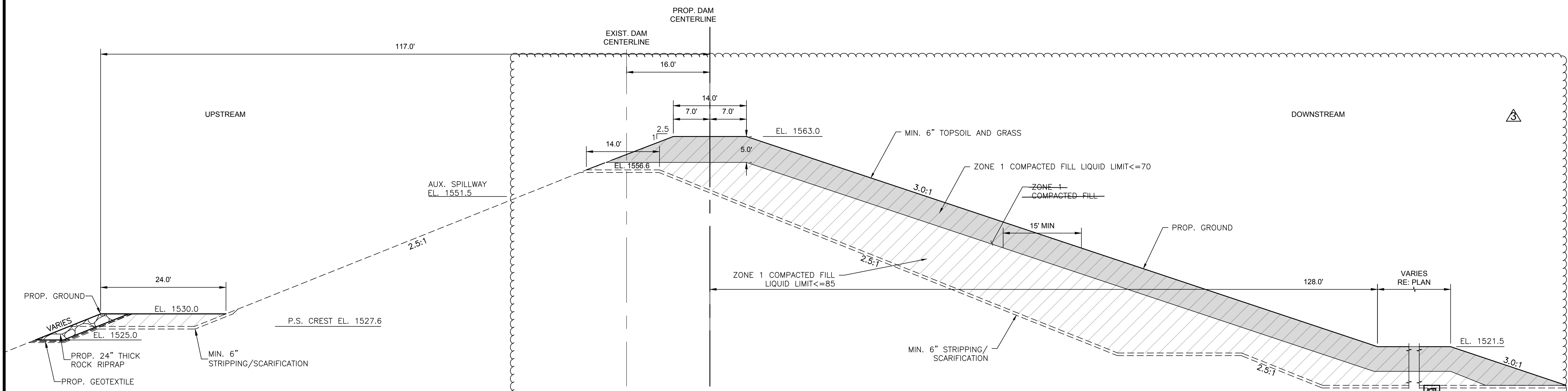
DRAWING NO. TX-EN-0785
 SHEET NO. G-3
 SEQUENCE NO. 4 OF 65

REVISIONS			
ADDENDUM	DATE	APPROVED	TITLE
	2022.11.10	NC	ADDENDUM NO.3

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1 EXISTING EMBANKMENT TYPICAL SECTION
0 10' 20'
SCALE IN FEET



2 PROPOSED EMBANKMENT TYPICAL SECTION
0 10' 20'
SCALE IN FEET

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

NAVEEN CHILLARA
125743
LICENSED PROFESSIONAL ENGINEER

11/10/2022

DESIGNED BY: WBM
DRAWN BY: MAG
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FILE NAME: WC1-CV-SC-TYP-EMB.dwg
DATE CHECKED: 11/10/2022

EMBANKMENT TYPICAL SECTIONS
FLOODWATER RETARDING STRUCTURE SITE No. 1 UPGRADE OF THE
WILLIAMS CREEK WATERSHED
IN
BLANCO, GILLESPIE, & KENDALL COUNTIES, TEXAS

United States
Department of
Agriculture

Natural Resources
Conservation Service

DRAWING NO.
TX-EN-0785

SHEET NO.
C-6

SEQUENCE NO.
9 OF 65

REVISIONS			
ADDENDUM	DATE	APPROVED	TITLE
△	2022.11.10	NC	ADDENDUM NO.3