CITY OF PORT LAVACA

COUNCIL SPECIAL MEETING: AUGUST 18, 2025

DATE: 08.03.2025

TO: HONORABLE MAYOR AND CITY COUNCIL MEMBERS

FROM: JODY WEAVER, INTERIM CITY MANAGER

SUBJECT: CONSIDER RECOMMENDATION FROM THE PORT COMMISSION TO AWARD A

CONSTRUCTION CONTRACT FOR THE DOWNTOWN WATERFRONT PUBLIC ACCESS

IMPROVEMENTS PROJECT 1

Background:

Bids were publicly opened and read on August 7 for the Downtown Waterfront Public Access Improvement Project 1. Please refer to the attached bid tabulation and Recommendation for award from Urban Engineering.

NOTE: This Phase 1 project is the bulkheading and dock work in and along Smith Harbor. The bid package for the parking lot and green infrastructure drainage should be ready soon.

As indicated in the Recommendation for Award letter, Shirley & Sons Construction is the low bidder. Shirley & Sons has an opening in their schedule and are able to start as soon as a Notice to Proceed can be issued. The Port Commission will meet in a Special meeting on Friday, August 15 at 3:30 pm to review the bids and consider a recommendation to Council for a contract award.

Note the Alternate Bid No. 1 is to use ThruFlow Decking https://thruflow.com/ With the fact that this deck will be submerged in high tide and storm surge situations, the use of ThruFlow panels will better withstand the wave action in these situations than wood decking would. The panels are heat-resistant with a non-slip surface that comes with a life-time warranty. The ecological impact taking place underneath a dock is rarely considered, but sunlight is an integral part of any ecosystem and ThruFlow panels allow light to pass through and protect the aquatic life below.

Financial Impact:

Recall that we have a total of \$700,000 budgeted for this entire Project. \$400,000 from the Matagorda Bay Mitigation Trust, \$150,000 from the General Fund and \$150,000 for Ports and Harbors. This award, of \$277,800 will leave \$347,200 left of budgeted funds for Phase 2 (\$75,000 is allocated for engineering and permitting).

Recommendation:

Staff is recommending to the Port Commission to recommend to Council to award a construction contract to Shirely & Sons Construction Co., in the amount of \$277,800.00, being the Base Bid + Alternate Bid No. 1. I will email Council with the Port Commission's recommendation, Friday afternoon.

Attachments:

- Recommendation of Award and Bid Tabulation
- Bid plans



August 11, 2025

Ms. Jody Weaver, P.E.
City Manager/City Engineer/Community & Economic Development
City of Port Lavaca
202 N. Virginia Street
Port Lavaca, TX 77979

RE: City of Port Lavaca Downtown Waterfront Public Access Improvements

Project 1 - Bulkhead & Docks

Matagorda Bay Mitigation Trust Grant

Port Lavaca, Texas

Dear Ms. Weaver:

On August 7, 2025 at 3:00 p.m., public bids were opened for the City of Port Lavaca Downtown Waterfront Public Access Improvements Project 1 - Bulkhead & Docks. The following bids were received:

Bidder	Total Base Bid	Total Base Bid + Alternate Bid No. 1	Calendar Days to Substantial Completion
Shirley & Sons Construction			-
Co., Inc.	\$262,800.00	\$277,800.00	60
Derrick Construction Co., Inc.	\$341,176.00	\$374,624.00	90
SR Trident, Inc.	\$679,780.00	\$704,040.00	50

Shirley & Sons Construction Co., Inc. submitted the lowest Bid and stated a completion time of 60 calendar days. I recommend that the contract for the aforementioned project be awarded to Shirley & Sons Construction Co., Inc.

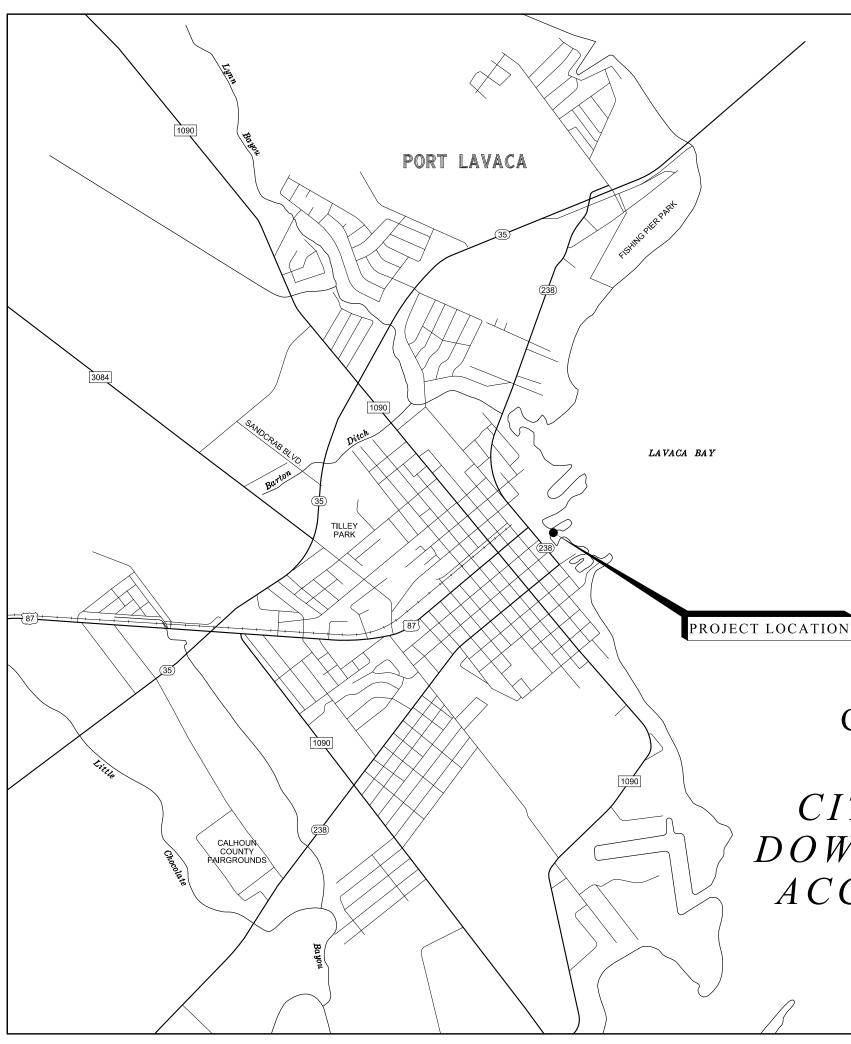
If you have any questions, please do not hesitate to contact me at (361) 578-9836 or by email at mglaze@urbanvictoria.com.

Sincerely,

Matt A. Glaze, P.E. Senior Engineer

MAG/hmm

BID TABULATION									
CITY OF PORT LAVACA									
DOWNTOWN WATERFRONT PUBLIC ACCESS IMPROVEMENTS PROJECT 1 - BULKHEAD & DOCKS BID OPENING: AUGUST 7,2025									
	****		DID OF LITTING	J. AUGUST 1,20,	.0		****		
ITEM	ESTIMATED		SHIRLEY & SONS CO	NSTRUCTION CO., INC.		DERRICK CONSTRUCTION CO., INC.		SR TRIDENT, INC.	
NO. DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE		UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
BASE BID									
GENERAL	1	7	3	1		*****			
Mobilization, Insurance and Bonds (Maximum 10% of Base Bid) Bamicading & Traffic Control (Furnish, Install, Maintain & Remove Signs &	11	LS	s 25,000.00	\$ 25,000	00 s	9,350.00	S 9,350.00	\$ 43,330,00	\$ 43,330.00
Warning Devices (Includes Flagmen, Traffic Handling, Traffic Control Plan & Temporary Striping)	1	LS	\$ 2,000.00	\$ 2,000	00 s	1,000.00	\$ 1,000.00	\$ 38,625,00	\$ 38,625,00
3. Construction Staking	1	LS	\$ 3,000.00	s 3,000	00 \$	2,200.00	\$ 2,200,00		
TOTAL GENERAL			1100	\$ 30,000	00		\$ 12,550.00		\$ 87,225,00
IMPROVEMENTS			· · · · · · · · · · · · · · · · · · ·	N/A					
Remove & Dispose of Existing Concrete, Piling, Etc., required for			***************************************				* *****		
4. construction	1	LS	\$ 10,000.00		00 \$	4,100,00	\$ 4,100.00	\$ 9,300.00	\$ 9,300.00
5. Construct Vinyl Bulkhead	125	LF	\$ 728.00	\$ 91,000.	00 \$	1,112.00	\$ 139,000.00	\$ 2,676.00	\$ 334,500.00
6. Construct Timber Deck (30' x 56')	1	LS	\$ 73,000.00	\$ 73,000.	00 s	128,000.00	\$ 128,000.00	\$ 142,250.00	\$ 142,250.00
7. Construct Timber Pier (30' x 5')	1	LS	\$ 27,000.00	\$ 27,000.	00 \$	32,848.00	\$ 32,848.00	\$ 49,685.00	\$ 49,685.00
8. Construct Mooning Piling	6	EA	\$ 1,500.00	\$ 9,000.	00 \$	366.00	\$ 2,196.00	\$ 1,270.00	\$ 7,620.00
9. Install Pier Cleat	12	EA	\$ 200.00	\$ 2,400.	00 \$	36.00	\$ 432.00	\$ 850.00	\$ 10,200.00
10. Limestone Base (As Directed By the Engineer)	50	TON	\$ 40.00	\$ 2,000	00 s	119.00	\$ 5,950.00	\$ 205.00	\$ 10,250.00
11. Concrete Sidewalk (6")	1,150	SF	s 16.00	\$ 18,400	00 \$	14.00	S 16,100,00	s 25.00	\$ 28,750.00
TOTAL IMPROVEMENTS			\$ 232,800.	00		\$ 328,626.00		\$ 592,555.00	
TOTAL BASE BID				\$ 262,800.	00		\$ 341,176.00		\$ 679,780.00
ALTERNATE NO. 1									
A1. Replace Timber Decking with ThruFlow Decking on Deck	1	LS	s 12,000.00	s 12,000.	00 s	27,546.00	\$ 27,546.00	\$ 22,260,00	\$ 22,260,00
A2. Replace Timber Decking with ThruFlow Decking on Pier	1	LS	\$ 3,000.00	\$ 3,000.	00 s	5,902.00	\$ 5,902.00	\$ 2,000.00	
TOTAL ALTERNATE NO. 1				\$ 15,000.	00		\$ 33,448.00		\$ 24,260.00
TOTAL BASE BID + ALTERNATE NO. 1 \$				\$ 277,800.0	0		\$ 374,624.00		\$ 704,040.00
CALENDAR DAYS TO SUBSTANTIAL COMPLETION 60 90 50					50				



INDEX OF DRAWINGS

DESCRIPTION	SHEET
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CONSTRUCTION PLANS FOR

CITY OF PORT LAVACA DOWNTOWN WATERFRONT ACCESS IMPROVEMENTS

> SMITH HARBOR PORT LAVACA, TEXAS



ISSUE

PRELIMINARY
REVIEW
PERMITTING
X BIDDING
CONSTRUCTION

REVISIONS

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PROJECT

DOWNTOWN WATERFRONT ACCESS IMPROVEMENTS

SMITH HARBOR PORT LAVACA, TEXAS

TITLE

COVER

DATE JOB NUMBER

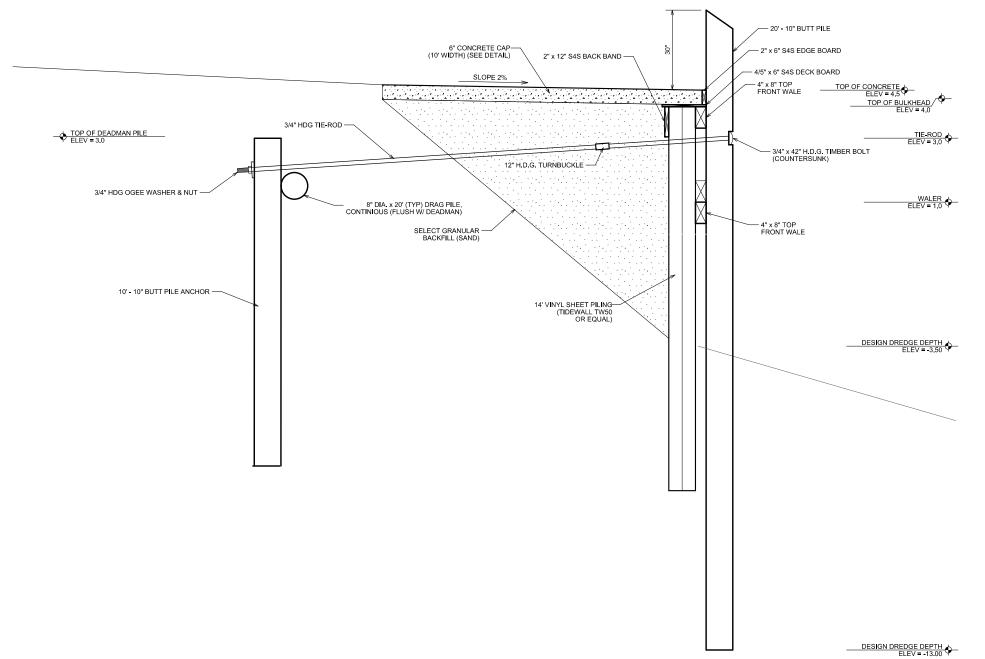
SHEET

C1

E23799.01

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GENERAL NOTES	GENERAL NOTES	PIPE MATERIALS		ST OF CONTACTS	- CO TO TO
PRELIMINARY MATTERS	CONTRACTOR'S RESPONSIBILITIES (CONT.)	PUBLIC UTILITIES	COMPANY URBAN ENGINEERING	CONTACT	MATT A. GLAZE
THE INSTRUCTIONS GIVEN BY THE NOTES ON THIS SHEET DO NOT CONSTITUTE SEPARATE PAY ITEMS UNLESS SPECIFICALLY INCLUDED IN THE PROPOSAL FORM.	10. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL EXCESS CONSTRUCTION & WASTE MATERIALS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, & FEDERAL REQUIREMENTS REGARDING	PUBLIC GRAVITY SANITARY SEWER MAINS & SERVICES LATERALS, LOCATED WITHIN PUBLIC ROW AND/OR DEDICATED UTILITY EASEMENTS, SHALL BE CONSTRUCTED OF SDR 26 PVC PIPE & SHALL BE INSTALLED IN		· · · ·	99253
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS LISTED IN THE	HANDLING & DISPOSAL OF EXCESS & WASTE MATERIAL. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS AROUND CONCRETE PAYEMENT & STRUCTURES TO ENSURE THAT CONSTRUCTION DEBRIS IS REMOVED &	ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & TESTED IN ACCORDANCE WITH TCEQ SECTION 217.	CITY OF PORT LAVACA PUBLIC WORKS TEXAS ONE CALL	WAYNE SHAFFER (361) 552-3347 - (800) 245-4545	CENSE ONAL ENGINE
CONTRACT DOCUMENTS & THE STANDARD DETAILS INCLUDED OR REFERENCED IN THE PLANS.	PROPERLY DISPOSED OF PRIOR TO BACKFILLING & THE APPLICATION OF TOPSOIL. EXCESS SOIL, ROCK OR SPOIL MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE & DISPOSED OF BY THE CONTRACTOR AT HIS	2. PUBLIC WATER MAINS, LOCATED WITHIN PUBLIC ROW AND/OR DEDICATED UTILITY EASEMENTS, SHALL BE CONSTRUCTED OF C900 OR C905 PVC & SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS	DIG TESS, ONE-CALL NOTIFICATION	- (800) DIG-TESS	- Must or
3. ANY CHANGES OR REVISIONS TO THESE PLANS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW &	EXPENSE.	RECOMMENDATIONS & TESTED IN ACCORDANCE WITH TCEQ SECTION 290. WATER LINE THRUST RESTRAINT SHALL	LIST	OF ABBREVIATIONS	7/14/20
APPROVAL PRIOR TO IMPLEMENTATION.	11. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS	BE ACCOMPLISHED USING A COMBINATION OF CONCRETE THRUST COLLARS, CONCRETE THRUST BLOCKS & RESTRAINT JOINT PIPES & FITTINGS IN ACCORDANCE WITH STANDARD DETAILS. THRUST RESTRAINT SHALL BE	ABBREVIATIONS B-B	DESCRIPTION BACK TO BACK	ISSUE
4. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE & WERE OBTAINED FROM EXISTING RECORDS & VISIBLE EVIDENCE ON THE GROUND. IT IS EXPECTED THAT THERE MAY BE SOME	OF THE U.S. OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION. COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. INFORMATION & RELATED REFERENCE MATERIALS	PROVIDED AT ALL BENDS, TEES, CROSSES, REDUCERS, PLUGS, & VALVES & FOR ALL PIPE PLACED IN CASINGS. CONCRETE THRUST BLOCKS & COLLARS WILL BE ALLOWED ONLY WHERE SPECIFICALLY CALLED FOR ON	BC	BACK OF CURB	☐ PRELIMINARY
DISCREPANCIES & OMISSIONS IN THE LOCATIONS & QUANTITIES OF EXISTING UTILITIES & STRUCTURES SHOWN.	MAY BE OBTAINED FROM OSHA, 903 SAN JACINTO, AUSTIN, TEXAS.	THE PLANS. RESTRAINED JOINT PIPE & FITTINGS, DESIGNED IN ACCORDANCE WITH AWWA GUIDELINES, MAY BE	BM CI	SURVEY BENCHMARK CURB INLET	
THE CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF ALL KNOWN EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT CONFLICTS CAN BE AVOIDED. WHEN AN EXISTING UTILITY OR	12. DESIGN INSTALLATION, MAINTENANCE, & INSPECTION OF TRENCH SAFETY SYSTEMS SHALL BE IN	SUBSTITUTED IN ALL SITUATIONS IN LIEU OF CONCRETE THRUST BLOCKING & COLLARS, RESTRAINED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH AWWA GUIDELINES WITH A SAFETY FACTOR OF 1.5 & PIPE PRESSURE	CJ	CONTRACTION JOINT DOUBLE CLEAN OUT	X BIDDING
UNDERGROUND PIPELINE IS ENCOUNTERED, THAT WAS PREVIOUSLY NOT LOCATED OR INCORRECTLY LOCATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER & THE APPROPRIATE UTILITY COMPANY TO OBTAIN	ACCORDANCE WITH THE PROVISIONS OF EXCAVATIONS, TRENCHING & SHORING, FEDERAL OCCUPATION SAFETY & HEALTH ADMINISTRATION (OSHA) STANDARDS, 29CFR, PART 1926, SUBPART P, AS AMENDED, INCLUDING FINAL	150 PSI. CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.	EOA	EDGE OF ASPHALT	CONSTRUCTION
PROCEDURAL INSTRUCTIONS. THE CONTRACTOR SHALL COOPERATE WITH THE APPROPRIATE UTILITY COMPANY IN	RULE, PUBLISHED IN THE FEDERAL REGISTER VOL. 209 ON TUESDAY, OCTOBER 31, 1989. TRENCH SAFETY	3. PUBLIC WATER SERVICE LINES, LOCATED TO THE PUBLIC SIDE OF THE WATER METER, SHALL BE	EOC EXIST	EDGE OF CONCRETE EXISTING	
MAINTAINING ACTIVE SERVICES IN OPERATION.	SYSTEMS SHALL ALSO BE IN ACCORDANCE WITH TEXAS HEALTH & SAFETY CODE ANN., 756,021 (VERNON 1991).	CONSTRUCTED AS FOLLOWS: A. SERVICE LINES 4-INCHES IN DIAMETER & LARGER SHALL BE CONSTRUCTED OF C900 PVC.	EJ FDC	EXPANSION JOINT FIRE DEPARTMENT CONNECTION	REVISIONS
5. EXISTING PAVING, BUILDINGS & OTHER ITEMS SHOWN ON PLANS, BUT NOT SPECIFICALLY RELATED TO THE WORK OF THE CONTRACTOR, ARE FOR INFORMATIONAL PURPOSES ONLY & MAY BE SHOWN TO A LESSER ACCURACY	13. THE CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES (INCLUDING BUILDINGS, STRUCTURES, ROADWAYS, PARKING AREAS, DRIVEWAYS, UTILITIES, ETC.) FROM DAMAGE. ANY	B. SERVICE LINES LESS THAN 4-INCHES IN DIAMETER, BUT LARGER THAN 2-INCHES IN DIAMETER, SHALL BE CONSTRUCTED OF CLASS 200, SDR 21 (ASTM-2241).	F-F	FACE TO FACE	
OR TO A LESSER DEGREE OF DETAIL THAN THE REMAINDER OF THE PLANS.	DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF THE CONSTRUCTION OPERATIONS ARE TO BE	C. SERVICE LINES 2-INCHES IN DIAMETER & SMALLER SHALL BE CONSTRUCTED OF CROSS LINKED	FG FF	FINISHED GRADE FINISHED FLOOR	
6. ELEVATIONS SHOWN ON THE PLAN & FOLLOWED BY A "±" SYMBOL, INDICATE THAT THE ENGINEER'S	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 & THE	POLYETHYLENE (PEX-A) IN ACCORDANCE WITH LOCAL CODES.	FIRE HYD, FH	FIRE HYDRANT FLOW LINE	
INTENTION IS TO MATCH THE EXISTING GRADE OF THE TIE-IN PAVEMENT OR STRUCTURE. THE CONTRACTOR SHALL VERIFY THE ELEVATION AT THESE LOCATIONS & NOTIFY THE ENGINEER IMMEDIATELY, IF THE PLAN	ENGINEER AT THE CONTRACTOR'S EXPENSE.	4. PUBLIC STORM SEWER MAINS, LOCATED WITHIN PUBLIC ROW OR DEDICATED UTILITY EASEMENTS, SHALL BE: A) CLASS III REINFORCED CONCRETE PIPE (RCP)	FC, FOC	FACE OF CURB	
ELEVATION VARIES SIGNIFICANTLY.	14. THE CONTRACTOR SHALL LOCATE, PROTECT & MAINTAIN BENCHMARKS, MONUMENTS & CONTROL POINTS. THE	B) ADS/HANCOR "BLUE SEAL" DUAL WALL HIGH DENSITY POLYETHYLENE (HDPE)	FSR GI	FOUND STEEL ROD GRATE INLET	
7. WHERE ELEVATIONS ARE SHOWN ON THE PLAN AS "TBD", IT INDICATES THAT THE ELEVATIONS ARE TO	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.	C) ADS/HANCOR "N-12 WT" DUAL WALL HIGH DENSITY POLYETHYLENE (HDPE) D) ADS/HANCOR "N-12 HP" DUAL WALL POLYPROPYLENE (PP)	HDPE HB	HIGH DENSITY POLYETHYLENE HOSE BIB	
BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS NOTATION IS TYPICALLY USED FOR BURIED UTILITIES WHO'S ELEVATION COULD NOT BE DETERMINED BY AS-BUILT PLANS, OR PROBING DURING THE	15. WATER NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED & PAID FOR BY THE CONTRACTOR. THE		LP	LIGHT POLE	
DESIGN PHASE OF THE PROJECT. THE CONTRACTOR SHALL EXCAVATE THE UTILITY, DETERMINE THE	CONTRACTOR SHALL ARRANGE FOR A METERED CONNECTION(S) & SHALL PROVIDE THE PROPER EQUIPMENT TO		L&C MH	LOCATE & CONNECT MANHOLE	
ELEVATION, AND NOTIFY THE ENGINEER IMMEDIATELY, SO THAT ADJUSTMENTS MAY BE MADE TO THE DESIGN PRIOR TO ORDERING MATERIALS OR SCHEDULING THE WORK.	PREVENT CROSS-CONNECTION.		NG NV	NATURAL GRADE NOT VERIFIED	
8. THE OWNER/ENGINEER RESERVE THE RIGHT TO MAKE REASONABLE ADJUSTMENTS IN LINE AND/OR GRADE IN	16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHARGES ASSOCIATED WITH TEMPORARILY SECURING OR TEMPORARILY RELOCATING POWER POLES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS. THIS DOES		PL PP	PROPERTY LINE POWER POLE	
ORDER TO AVOID CONFLICTS WITH OTHER STRUCTURES OR UTILITIES. THE CONTRACTOR AGREES TO MAKE SUCH	NOT APPLY TO THE PERMANENT RELOCATION OF POWER POLES THAT ARE PHYSICALLY IN CONFLICT WITH THE		PROP	PROPOSED	
REASONABLE ADJUSTMENTS AT NO COST TO OWNER OR ENGINEER.	PROPOSED IMPROVEMENTS.		RCP S.E.T	REINFORCED CONCRETE PIPE SLOPED END TREATMENT or SAFETY END TREATMENT	_
9. 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	17. THE CONTRACTOR SHALL CLEAR STREETS, SIDEWALKS, DRIVEWAYS, & PARKING LOTS OF ALL CONSTRUCTION MATERIALS, EQUIPMENT, TRAFFIC CONTROL DEVICES, DIRT, & DEBRIS CAUSED BY CONSTRUCTION AT THE END		SP SAN SWR. SS	SAMPLE PORT SANITARY SEWER	7 00 86 1
OPERATIONS IN THE VICINITY OF ELECTRICAL LINES & THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.	OF EACH CONSTRUCTION PERIOD. ALL OPEN EXCAVATIONS & PITS MUST BE BARRICADED, FENCED, OR PLATED OVER WHEN NOT IN USE.		SS CLEANOUT	SANITARY SEWER CLEAN OUT	n
10. THE MUNICIPALITY SHALL PERFORM ALL OPERATION INVOLVING OPENING & CLOSING OF VALVES ON			SS MH SSR	SANITARY SEWER MANHOLE SET STEEL ROD	
EXISTING PUBLIC WATER MAINS. THE CONTRACTOR SHALL VERIFY MAINS ARE DEAD BEFORE PERFORMING WORK ON EXISTING MAINS.	18. GRAVITY MAINS SHALL BE INSTALLED IN THE UPSTREAM DIRECTION, BEGINNING AT THE LOWEST POINT IN THE SYSTEM. THE CONTRACTOR IS REQUIRED TO VERIFY THE LOCATION, ELEVATION & CONDITION OF THE ALL		SWR SERVICE, SWR SER STM	SEWER SERVICE STORM SEWER	r 36
NOTIFICATION REQUIREMENTS	CONNECTION POINTS (I.E. UPSTREAM AND DOWNSTREAM) & INVESTIGATE ALL POTENTIAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, PRIOR TO BEGINNING THE NEW UTILITY INSTALLATION.		sw	TOP OF SIDEWALK	
THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO THE OWNER, ENGINEER & PERSONS IN			TBD TC	TO BE DETERMINED (SEE NOTE 7 OF PRELIMINARY MATTERS) TOP OF CURB	M S E H H H
CHARGE OF PRIVATE & PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.	19. UTILITY MAINS MUST BE INSTALLED WITH ADEQUATE COVER TO PREVENT FLOATATION & TO SUPPORT CONSTRUCTION LOADS. THE CONTRACTOR SHALL ENSURE THAT ADEQUATE COVER IS MAINTAINED OVER THE		TEL TG	TELEPHONE TOP OF GRATE	G G G G G G G G G G G G G G G G G G G
2. AT LEAST 48 HOURS PRIOR TO COMMENCING ANY ACTIVITY FOR A TCEQ REGULATED SANITARY SEWER AND/OR	UTILITY DURING CONSTRUCTION. IF ADEQUATE COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL UTILIZE CEMENT STABILIZED BACKFILL AND/OR ADDITIONAL TEMPORARY OVERBURDEN TO ACHIEVE THE SAME		TP	TOP OF PAVEMENT	
WATER COLLECTION SYSTEM(S), THE CONTRACTOR SHALL NOTIFY THE LOCAL TCEQ'S REGIONAL OFFICE, IN WRITING, OF THE DATE ON WHICH CONSTRUCTION WILL BEGIN.	GOALS.		TR UC	TOP OF RIM UNDER CONSTRUCTION	
3, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR IS REQUIRED TO NOTIFY TEXAS	20. THE CONTRACTOR SHALL PLACE & COMPACT BACKFILL AS PROMPTLY AS PRACTICAL AFTER COMPLETION OF		UE WTR	UTILITY EASEMENT WATER	oria
ONE CALL AT 1-800-245-4545.	EACH STRUCTURE OR PORTION OF A STRUCTURE. DO NOT, HOWEVER, PLACE BACKFILL AGAINST NEWLY CONSTRUCTED CONCRETE WALLS OR SIMILAR STRUCTURES UNTIL CONCRETE HAS CURED AT LEAST 7-DAYS.		WV	WATER VALVE	Kick, V
4. THE CONTRACTOR SHALL NOTIFY LOCAL EMERGENCY SERVICES (I.E. FIRE, E.M.S. & POLICE) OF ANY			± >>	INDICATES CONTRACTOR SHALL MATCH EXIST ELEVATION INDICATES DIRECTION OF FLOW	merc ban
CONSTRUCTION ACTIVITIES THAT WOULD AFFECT THE NORMAL FLOW OF TRAFFIC.	21. UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS, THE CONTRACTOR SHALL PLACE & COMPACT BACKFILL AROUND UTILITY STRUCTURES IN ACCORDANCE WITH APPLICABLE TRENCH ZONE BACKFILL DETAIL FOR				om urk
5. THE CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE TO THE ENGINEER & AUTHORIZED TESTING	UTILITY LINE.				
LABORATORY PRIOR TO REQUIRED TESTS.	22, ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION PRIOR TO ACCEPTANCE OF THE PROJECT.				7 40
6. THE CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE TO THE ENGINEER & THE OWNER PRIOR TO TESTING OF SANITARY SEWER & WATER LINES. INSPECTION BY THE MUNICIPALITY IS REQUIRED FOR ALL		-			200
TESTING OF SANITARY SEWER & WATER LINES.	STORM WATER POLLUTION PREVENTION PLAN				
CONTRACTOR'S RESPONSIBILITIES	CONTRACTOR SHALL EMPLOY MEASURES AND CONSTRUCTION PRACTICES TO PREVENT EROSION AT OR ADJACENT TO THE PROJECT SITE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING SW3P				PROJECT
THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & THE ENGINEER OF ANY DISCREPANCIES, ERRORS, OR OMISSIONS, DISCOVERED IN THE FIELD OR ON THE PLANS.	MEASURES TO COMPLY WITH THE STORM WATER POLLUTION PREVENTION REQUIREMENTS OF LOCAL,				DOWNTOWN
	STATE, AND FEDERAL REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND THE UNITED STATES ENVIRONMENTAL PROTECTION				WATERFRONT
2. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & THE ENGINEER, VERBALLY & IN WRITING, OF ANY FUEL OR TOXIC MATERIAL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA. THE CONTRACTOR SHALL BE	AGENCY (EPA). EROSION CONTROL SHALL BEGIN AT THE ONSET OF THE PROJECT (PRIOR TO MOBILIZATION) AND BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK UNTIL FINAL				ACCESS
RESPONSIBLE FOR DISPOSING OF FUELS, WASTE MATERIALS & CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.	ACCEPTANCE.				IMPROVEMENTS
	ALL PROJECTS FALL UNDER ONE OF THREE CATEGORIES OF SITE DISTURBANCE DEPENDING UPON THE				
3. THE CONTRACTOR SHALL COORDINATE INTERRUPTIONS OF ALL UTILITIES & SERVICES WITH APPLICABLE UTILITY COMPANY, OWNER & TENANT. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE	TOTAL AREA BEING DISTURBED. THE FOLLOWING IS ONLY A BRIEF OVERVIEW OF THE REQUIREMENTS. THE CONTRACTOR SHALL REVIEW TCEQ GENERAL PERMIT NUMBER TXR150000 RELATING TO DISCHARGES				
APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.	FROM CONSTRUCTION ACTIVITIES AND IMPLEMENT ALL REQUIRED MEASURES.				SMITH HARBOR
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING INGRESS & EGRESS FOR ALL PUBLIC & PRIVATE	LESS THAN 1 ACRE:				PORT LAVACA, TEXAS
FACILITIES AT ALL TIMES & FOR ALL WEATHER CONDITIONS, UNLESS OTHERWISE INDICATED ON THE PLANS OR APPROVED BY THE ENGINEER.	IF THE PROJECT DISTURBS LESS THAN 1 ACRE AND IS NOT PART OF A LARGER COMMON PLAN OF				TITLE
5. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE & MAINTAIN ALL NECESSARY WARNING & SAFETY DEVICES	DEVELOPMENT, COVERAGE UNDER GENERAL PERMIT (TXR150000) IS NOT REQUIRED.				GENERAL NOTES
(FLASHING LIGHTS, FLAG MEN, BARRICADES, SIGNS, ETC.) TO PROTECT THE PUBLIC SAFETY & HEALTH UNTIL					
THE WORK HAS BEEN COMPLETED & ACCEPTED BY THE ENGINEER & OWNER. ALL BARRICADING SHALL BE DONE IN COMPLIANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.					
6. THE CONTRACTOR SHALL MAINTAIN ALL REGULATORY SIGNS DURING THE CONSTRUCTION PERIOD.		J			
7. 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					DATE 07/16/25
AT THE CONTRACTOR'S EXPENSE.					JOB NUMBER E23799.01
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING & MAINTAINING SANITARY FACILITIES ON THIS PROJECT FOR EMPLOYEES.					SHEET
					C2
9. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FLOW IN DITCHES & STORM SEWERS AT ALL TIMES.					PAGE 2 of 9





GENERAL NOTES

- 1. ALL TIMBER SHALL BE FULL SAWN, NO. 1 GRADE PINE, PRESSURE TREATED WITH CCA TO 2.5 PCF, UNLESS OTHERWISE NOTED.
- 2. TIMBER FACE PILING SHALL BE PRESSURE TREATED WITH CCA TO $0.6\,\mathrm{PCF}.$
- 3. TIMBER DEAD MAN PILING & DRAG PILING SHALL BE PRESSURE TREATED WITH CCA TO 0.6 PCF.
- 4. ALL HARDWARE AND ANCHOR RODS SHALL BE HOT DIPPED GALVANIZED (H.D.G) WITH A MINIMUM OF 2.0 OZ/SQ. FT. ZINC COATING OR 304 STAINLESS STEEL (SS) AS INDICATED ON THE PLANS.



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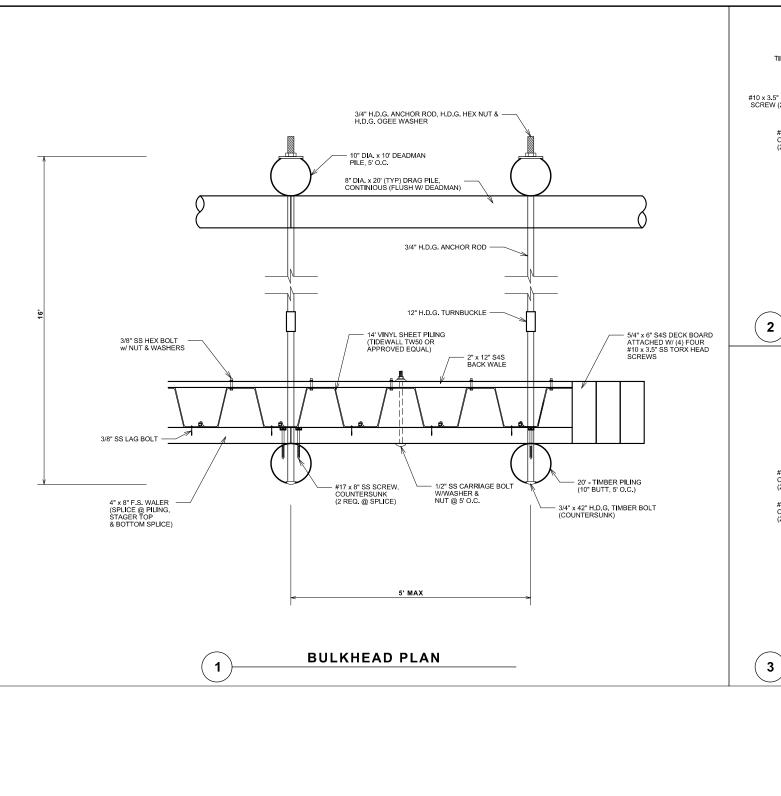
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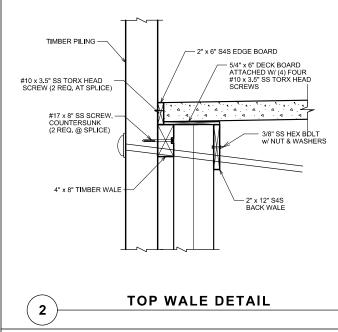
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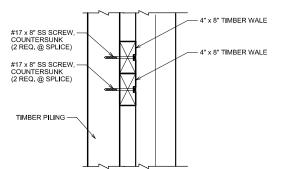
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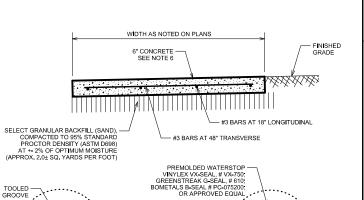


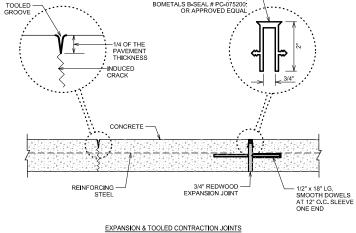


BOTTOM WALE DETAIL (AT SPLICE)

GENERAL NOTES

- REINFORCING STEEL SHALL BE ASTM A615, GRADE 40,
 EXPANSION JOINTS SHALL BE LOCATED AT DRIVEWAYS AND OTHER FIXED OBJECTS, AND AT 45'
 MAXIMUM INTERVALS ALONG THE SIDEWALK OR AS INDICATED ON PLANS,
 EXPANSION JOINT SHALL BE SEALED SONNEBORN BUILDING PRODUCT: SONOLASTIC SL-1:
 NON-PRIMING, ONE-PART, SELF LEVELING POLYURETHANE SEALANT OR APPROVED EQUAL JOINT CLEANING AND PREPARATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S
 RECOMMENDATIONS.
 TOOLED CONTRACTION JOINTS SHALL BE LOCATED AT REGULAR INTERVALS EQUAL TO THE WIDTH OF
 THE SIDEMALK OR BAS INDICATED ON BIANS. LOWING SHALL BE SPACET TO SO THAT THE PERSILLTING.
- TOOLED CONTRACTION JOINTS SHALL BE LOCATED AT REGULAR INTERVALS EQUAL TO THE WIDTH OF
 THE SIDEWALK OR AS INDICATED ON PLANS. JOINTS SHALL BE SPACED TO SO THAT THE RESULTING
 PANELS ARE SQUARE. IN NO CASE SHOULD THE LENGTH OF A PANEL EXCEED 1.5 TIMES THE WIDTH.
 CONCRETE SHALL MEET THE REQUIREMENTS OF TXDOT (2014) ITEM 421 -HYDRAULIC CEMENT
 CONCRETE, CLASS A (3,000 PSI), WITH THE FOLLOWING MODIFICATIONS: SLUMP SHALL RANGE FROM 4
 INCHES TO 8-1/2 INCHES AT THE POINT OF PLACEMENT.
 MAXIMUM LONGITUDINAL SLOPE FOR ANY SIDEWALK SHALL BE 1:20 (5,0%)
 MAXIMUM TRANSVERSE SLOPE FOR ANY SIDEWALK SHALL BE 1:50 (2,0%)





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CONCRETE SIDEWALK



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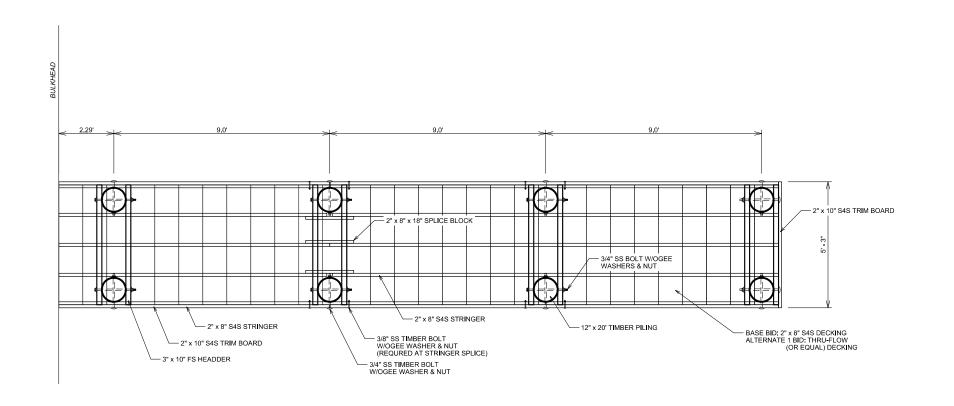
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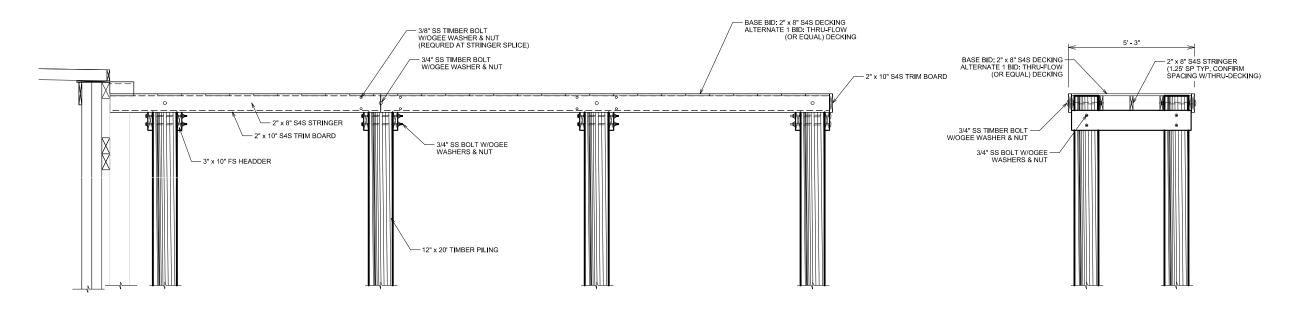
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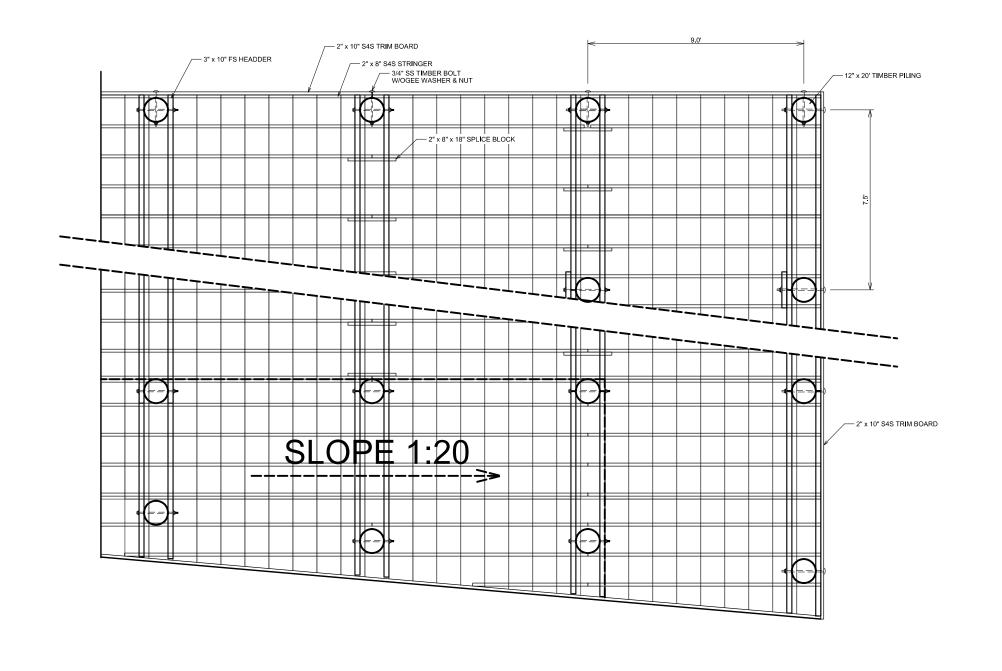
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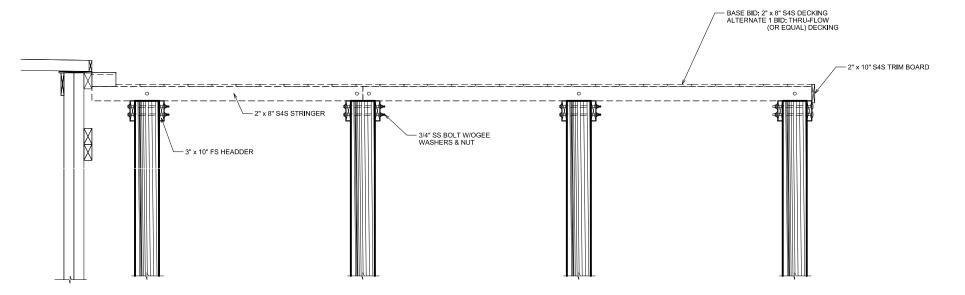
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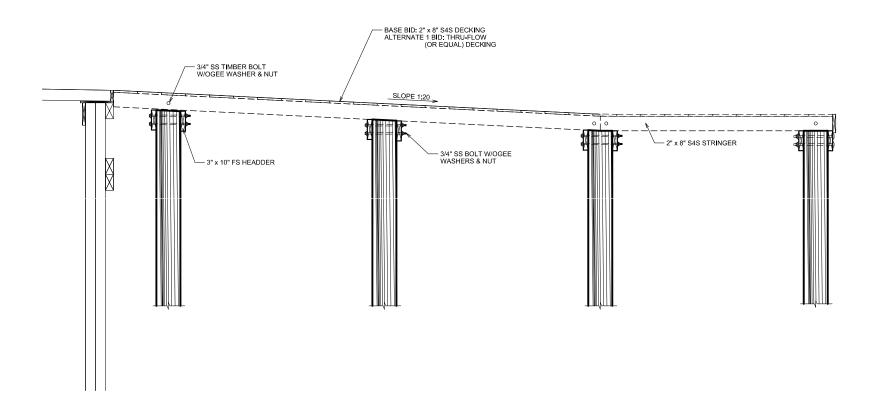
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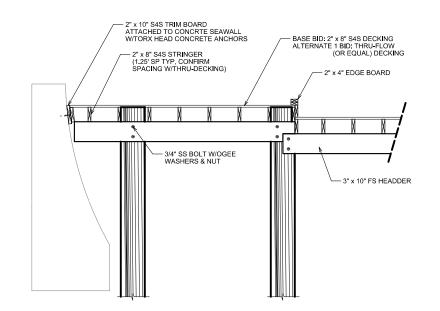
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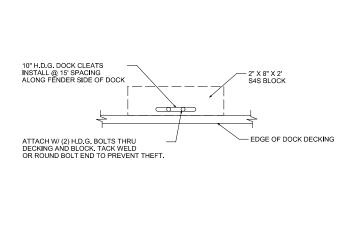
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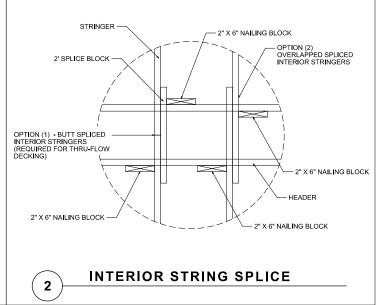
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