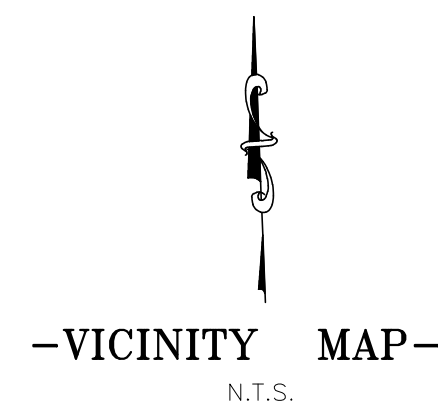


CONSTRUCTION PLANS  
FOR  
SABINE RIVER AUTHORITY OF TEXAS  
BLUEBIRD RECREATION AREA IMPROVEMENTS  
ORANGE COUNTY, TEXAS

JUNE 2022



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STEPHEN J. JORDAN, P.E.  
LICENSED PROFESSIONAL ENGINEER No. 87766

SHEET	DRAWING NAME
1	COVER SHEET/INDEX
2	LEGEND & GENERAL NOTES
3	EXISTING SITE PLAN
4	PROPOSED SITE PLAN
5	PROPOSED STRIPING PLAN
6	PROPOSED DIMENSION PLAN
7	PROPOSED GRADING PLAN
8-9	PROPOSED CROSS SECTIONS
10	PROPOSED SIDEWALK & TOPPING SLABS
11	PROPOSED BOARDWALK & DETAILS
12	PROPOSED BOARDWALK & DETAILS
13	STORM WATER POLLUTION PREVENTION PLAN
14	SWPPP DETAILS

SHEET 1 OF 14

DATE	SYM	BY	REVISIONS
2/22	PW		REVISED PER SABINE RIVER AUTHORITY COMMENTS
1/22	PW		PER SABINE RIVER AUTHORITY COMMENTS

PREPARED BY:  
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- Mr. David Williams: 409-746-2111 (SABINE RIVER AUTHORITY GULF COAST)  
Mr. Johnny Trahan: 409-746-2593 (ORANGE COUNTY COMMISSIONER PRECINCT No.1)

3. Contractor shall be responsible for obtaining all applicable City, County, State and Federal Permits.

5. Contractor shall be responsible for removal and lawful disposal of all waste material generated during construction. Waste material must be removed from work site and disposed of in such manner as to not DAMAGE owner or other persons. Disposal of waste material shall be in accordance with all, Local, State and Federal Regulations.

7. All areas disturbed by construction which are not re-paved or otherwise covered shall be Hydro-Mulch Seeded.

9. Contractor shall notify all utility companies in the area 48 hours prior to commencing work in any right-of-way or existing easement.

11. Drawings show as much information as can be reasonably obtained from an on ground observation, survey and existing construction drawings regarding topographic features, elevations, location, and nature of pipelines, natural gas lines, underground cables, utilities, etc. However, accuracy of or completeness of such information is not guaranteed. The contractor shall verify all elevations, dimensions and conditions in the field before commencing any work. Changes in horizontal and vertical alignment are to be approved by the engineer. It shall be the contractor's responsibility to report any conflicts or discrepancies to engineer in a timely manner.

13. Any existing facilities disturbed during construction, including but not limited to ditch grade and section, manholes including stack, frame and cover, driveways including pavement, culvert and curbs, shall be restored to its original condition by contractor.

14. The contractor will be responsible to maintaining and updating redline "RECORD" set of plans on site for inspection by the authorized inspector.

16. Contractor shall comply with OSHA Regulations and State of Texas Law concerning excavation, trenching and shoring.

## STORM WATER POLLUTION PREVENTION NOTES

2. Contractor to submit a notice of intent (NOI) to Texas Commission on Environmental Quality (TCEQ) and obtain all necessary permits.

3. Contractor to submit a Storm Water Pollution Prevention Management Plan (SWPPMP) to TCEQ and obtain all necessary permits.

5. A copy of the signed (NOI) must be posted at the construction site in a location where it is readily available for viewing by the General Public, Local, State and Federal Authorities prior to commencing construction activities, and must maintain the (NOI) in that location until completion of construction activities.

6. Contractor to ensure all control measures are properly installed and maintained according to the SWPPP and applicable specifications.

7. Contractor shall minimize to the extent practicable, off-site vehicle tracking of sediments and the generation of dust.

9. If periodic inspections or other information indicates a control has been used incorrectly, is performing inadequately, or is damaged then the operator must replace or modify the control as soon as practicable after making the discovery.

11. If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event, if feasible, if the permittee does not own or operate the off-site conveyance, then the permittee must work with the owner or operator of the property to remove the sediment.

2. Contractor shall provide and install traffic control devices in conformance with part VI of the Texas Manual on Uniform Traffic Devices (Texas MUTCD, most recent edition with revisions) during construction.

4. Contractor shall cover excavations with steel plates, anchored properly, during non-work hours and open lanes for traffic flow.

5. Approved copies of "Traffic Control Plans" and Lane/Sidewalk closure Permits" shall be available for inspection at job site at all times; if applicable.

1. If Archaeological sites or historic structures which may qualify for designation as a State Landmark according to the criteria in the 13 TAC 41.6--41.10, or that may be eligible for listing on the National Register of Historic places in accordance with 36 CFR Part 800, are discovered after construction operations are begun, the contractor shall immediately cease operations in that particular area and notify the Owner, and the Texas Historical Commission, 1511 N. Colorado St., 100, Box 12276, Capital Station, Austin, Texas 78711-2276. The contractor shall take reasonable steps to preserve the discovered sites which have been indicated by the Owner's Representative. The owner will promptly coordinate with the Texas Historical Preservation Officer and any other appropriate agencies to obtain any necessary approvals or permits to enable the work to continue. The contractor shall not resume work in the area of the discovery until authorized to do so by the owner.

2. If a threatened or endangered species is encountered during construction, the contractor shall immediately cease work in the area of the encounter and notify the owner. Who will immediately implement actions in accordance with the ESA and applicable state statutes. These actions shall include reporting the encounter to the U.S. Fish and Wildlife Service, and the Texas Parks and Wildlife Department, obtaining any necessary approvals or permits to enable the work to continue, or implement other mitigation ACTIONS. The contractor shall not resume construction in the area of the encounter until authorized to do so by the owner.

	PROPERTY CORNER
	G.P.S. CONTROL POINT
	BENCH MARK
	BENCH HOLE LOCATION
	ELECTRICAL PULL BOX
	POWER POLE
PP0	POWERPOLE W/ BENCH MARK
PP	POWER POLE W/ TJB
	TELEPHONE JUNCTION BOX
	STREET LIGHT
	TRAFFIC LIGHT
	GAS METER
	GAS VALVE
	WATER METER
	WATER VALVE
	FIRE HYDRANT
	UNKNOWN MANHOLE
	SANITARY SEWER MANHOLE
	STORM MANHOLE
	TELEPHONE MANHOLE
CO	SANITARY SEWER CLEAN OUT
	STORM INLET
	STORM CATCH BASIN
	SIGN AS INDICATED
	MAILBOX
	NATURAL GROUND
	HEADSTONE
	HEDGE/HEDGE ROW
	TREE
	SLOPE INDICATOR
	FLOW DIRECTION

EXISTING EDGE OF PAVEMENT  
EXISTING R.O.W. OR PROPERTY LINE  
EXISTING WIRE FENCE  
EXISTING WOOD FENCE  
EXISTING SANITARY SEWER  
EXISTING WATER  
EXISTING TELEPHONE  
EXISTING UNDERGROUND ELECTRICAL  
EXISTING OVERHEAD UTILITY  
EXISTING RAILROAD  
EXISTING PIPELINE  
EXISTING GAS  
EXISTING FIBER OPTIC



CONSTRUCTION PLANS  
FOR  
SABINE RIVER AUTHORITY OF TEXAS  
BLUEBIRD RECREATION AREA  
IMPROVEMENTS



SCALE: AS SHOWN

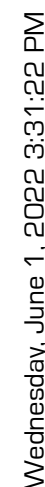
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DESIGNED BY: XX

CHECKED BY: SJJ

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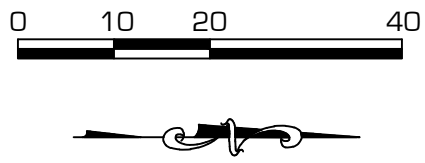
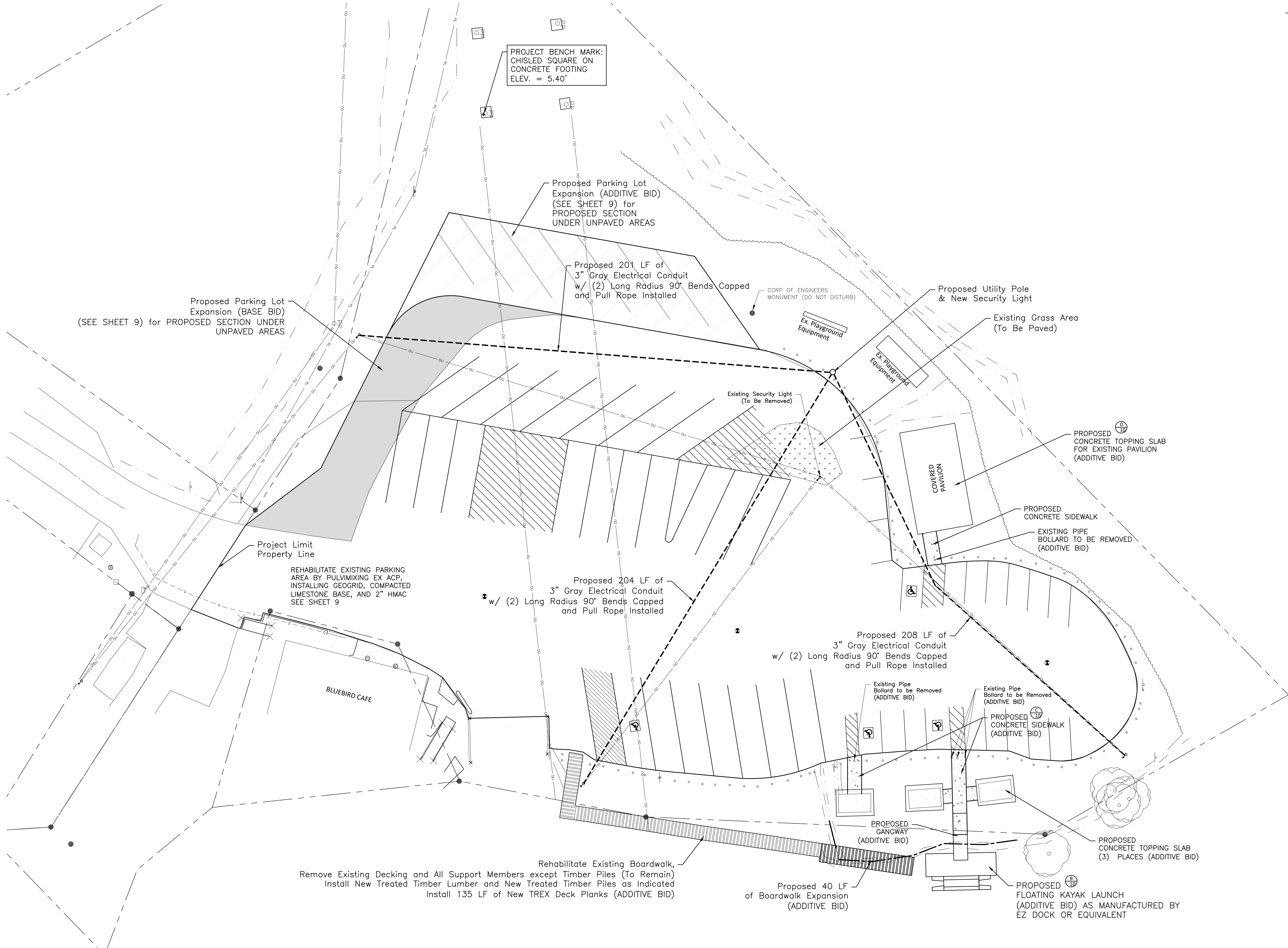







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**CONSTRUCTION PLANS  
FOR**

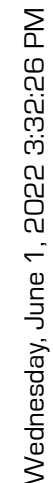
**SABINE RIVER AUTHORITY OF TEXAS  
BLUEBIRD RECREATION AREA  
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**PROPOSED SITE PLAN**



DATE: JUNE 2022
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SHEET: 4 OF 14







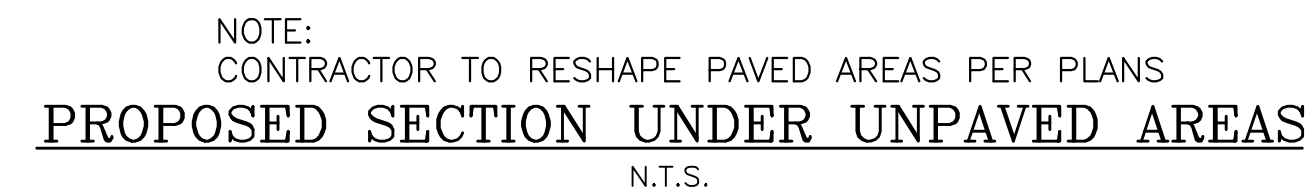
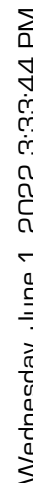






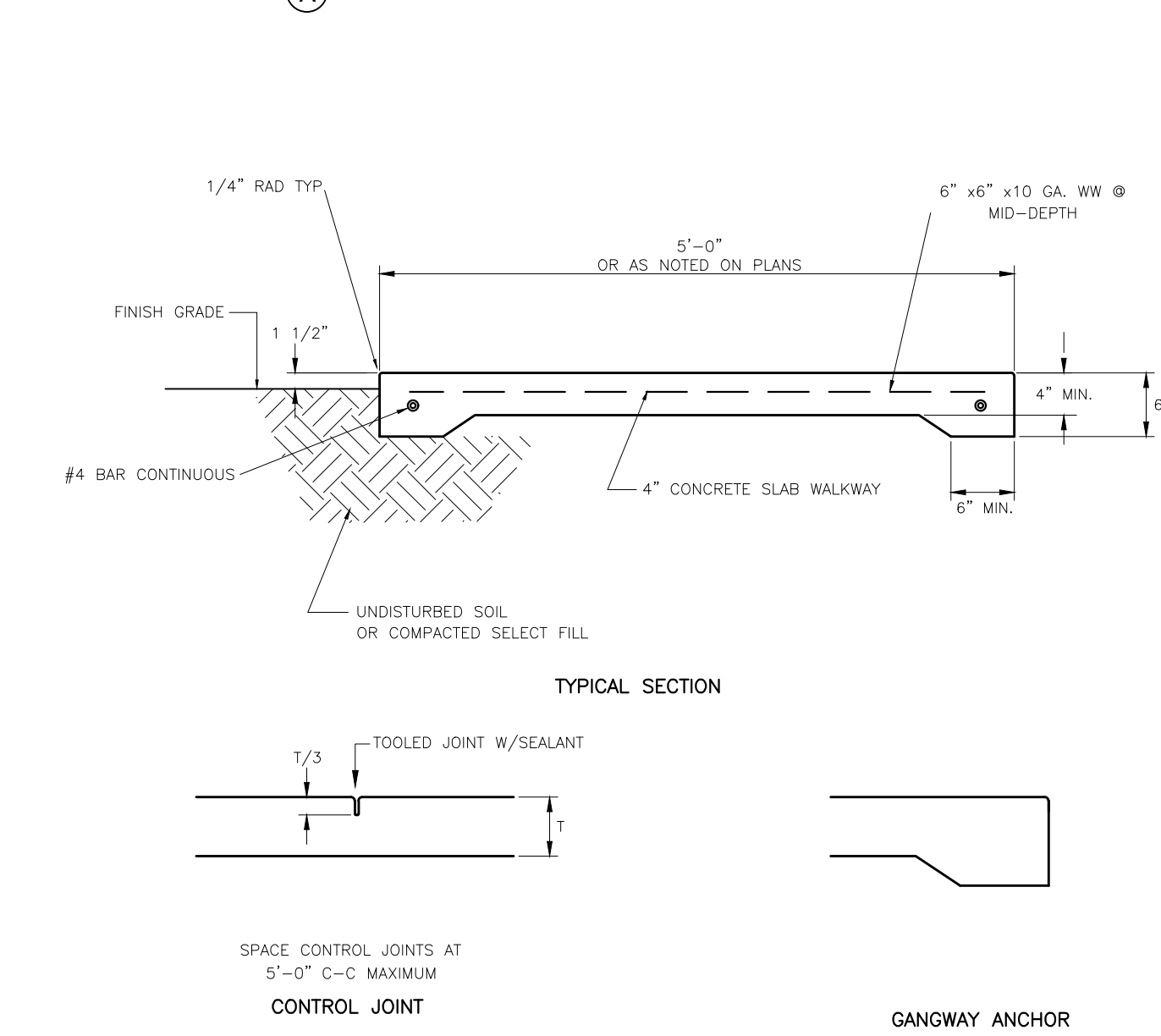
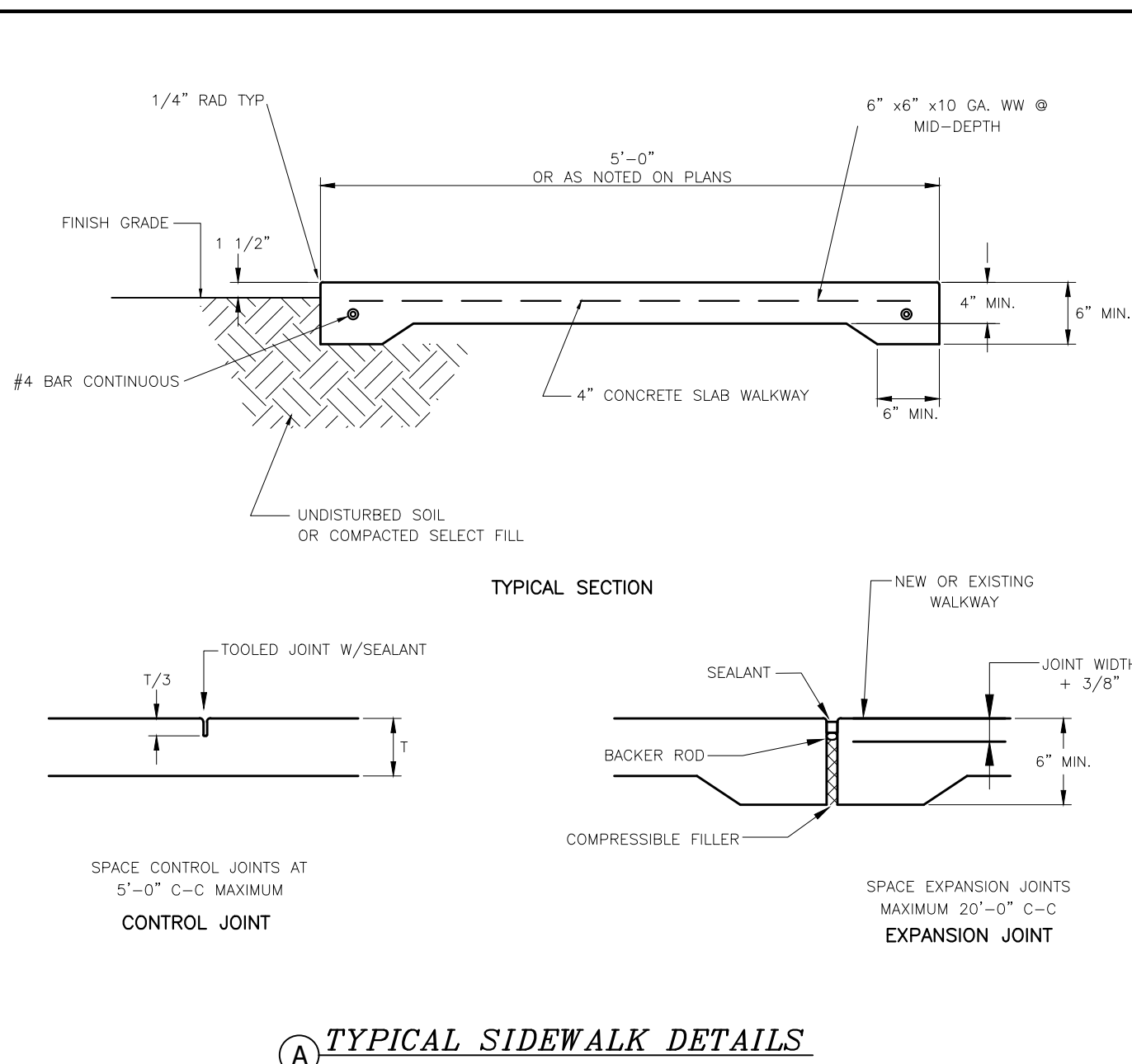




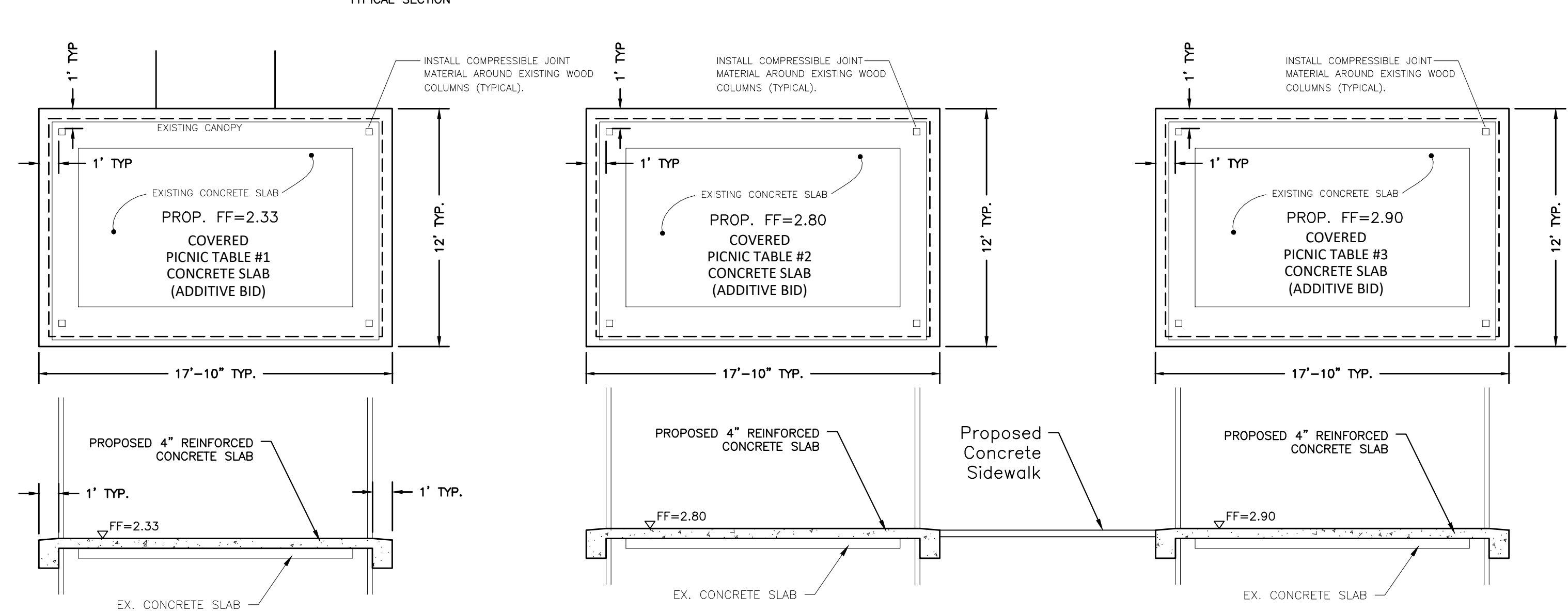


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SCALE: AS SHOWN
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DESIGNED BY: XX
CHECKED BY: SJJ
SHEET: 9 OF 14





- 
- NOTED ON PLANS
- EX. COLUMNS
- 1' TYP.
- 1/4" RAD TYP.
- PROF. 4" CONCRETE SLAB
- EX. CONCRETE SLAB
- 6" x 6" x 10 GA. WW Ø MID-DEPTH
- 4"
- 1" TYP.
- 6"
- #4 BAR CONTINUOUS
- UNDISTURBED SOIL OR COMPACTED SELECT FILL
- REINFORCED CONCRETE SLABS**  
**TYPICAL SECTION**



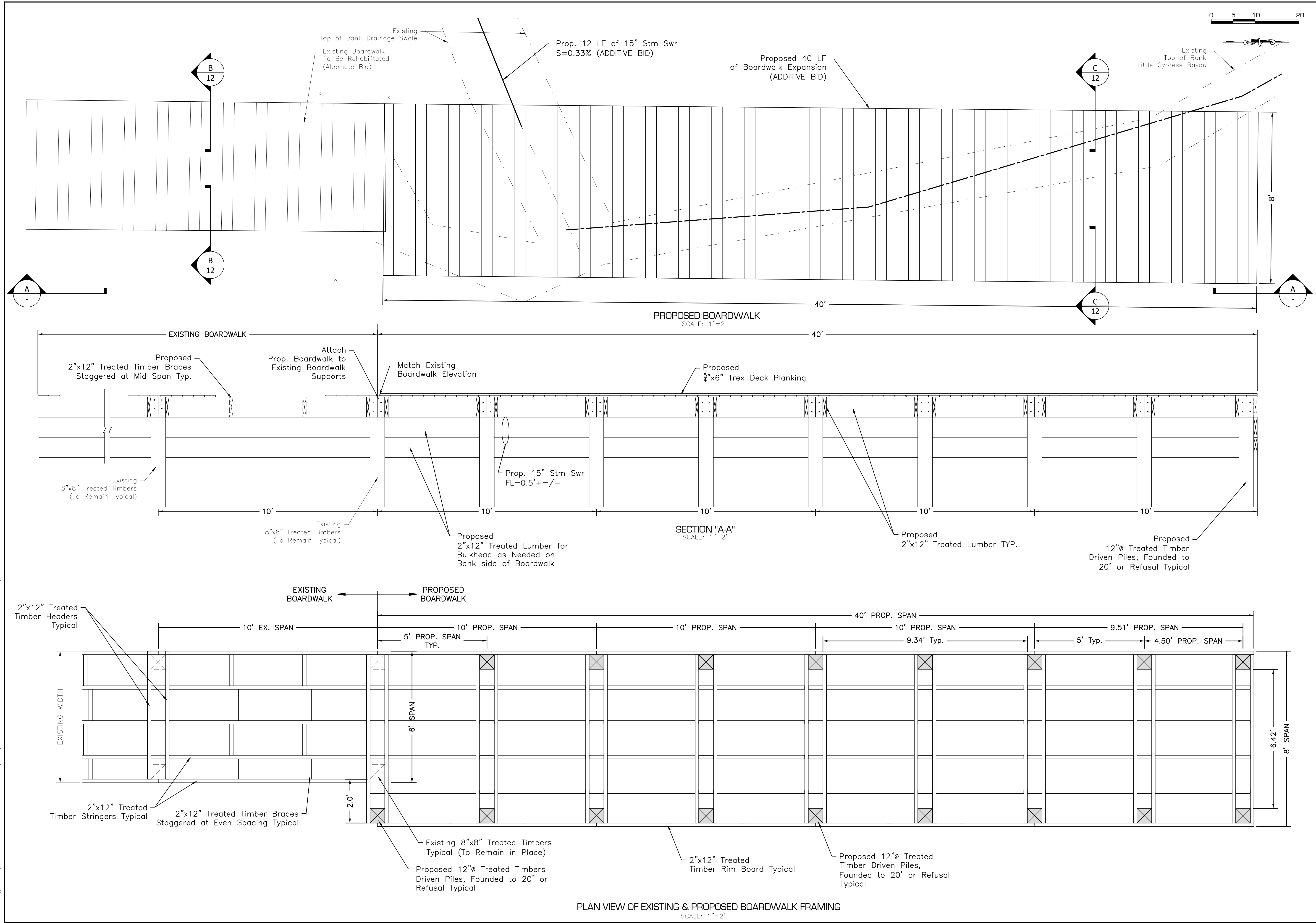
(B) PROPOSED PICNIC TABLE SLABS

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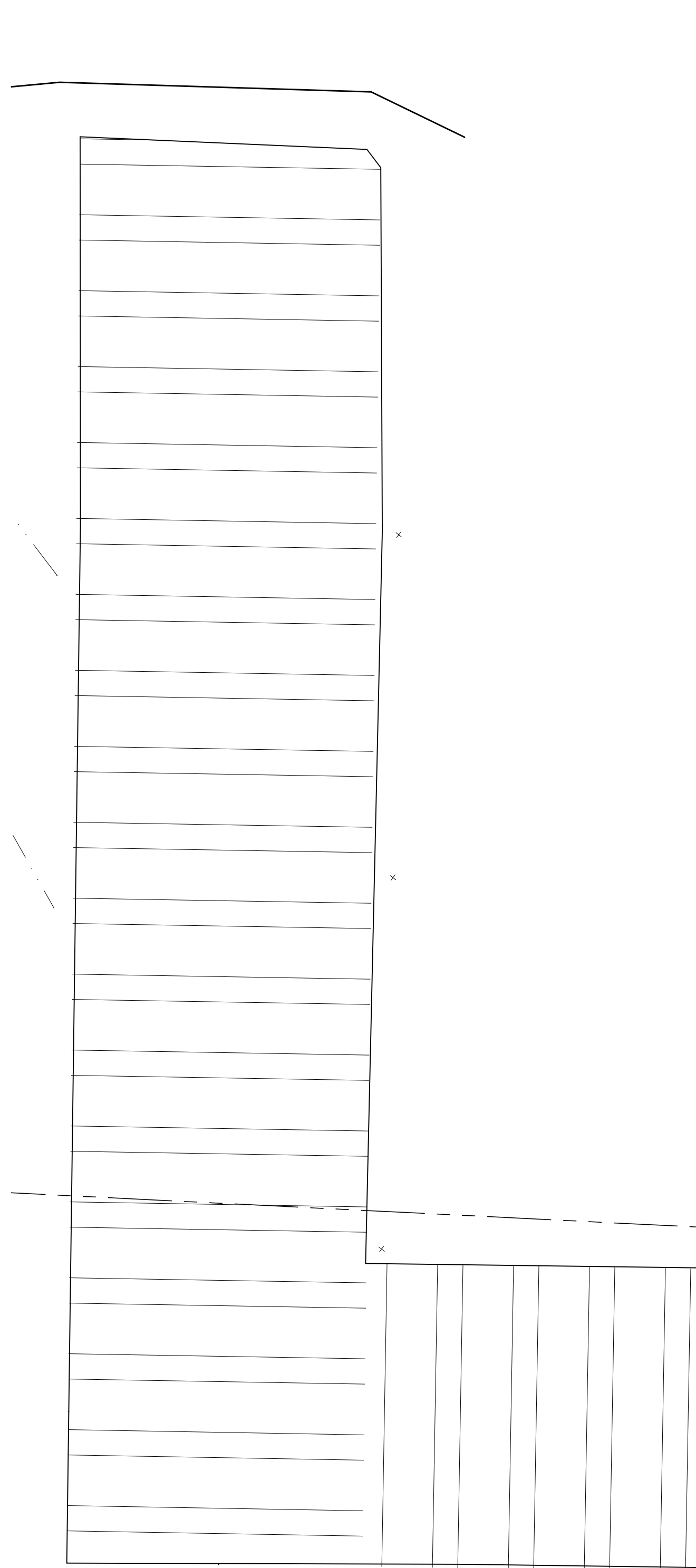
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BLUEBIRD RECREATION AREA  
IMPROVEMENTS

PROPOSED BOARDWALK & DETAILS

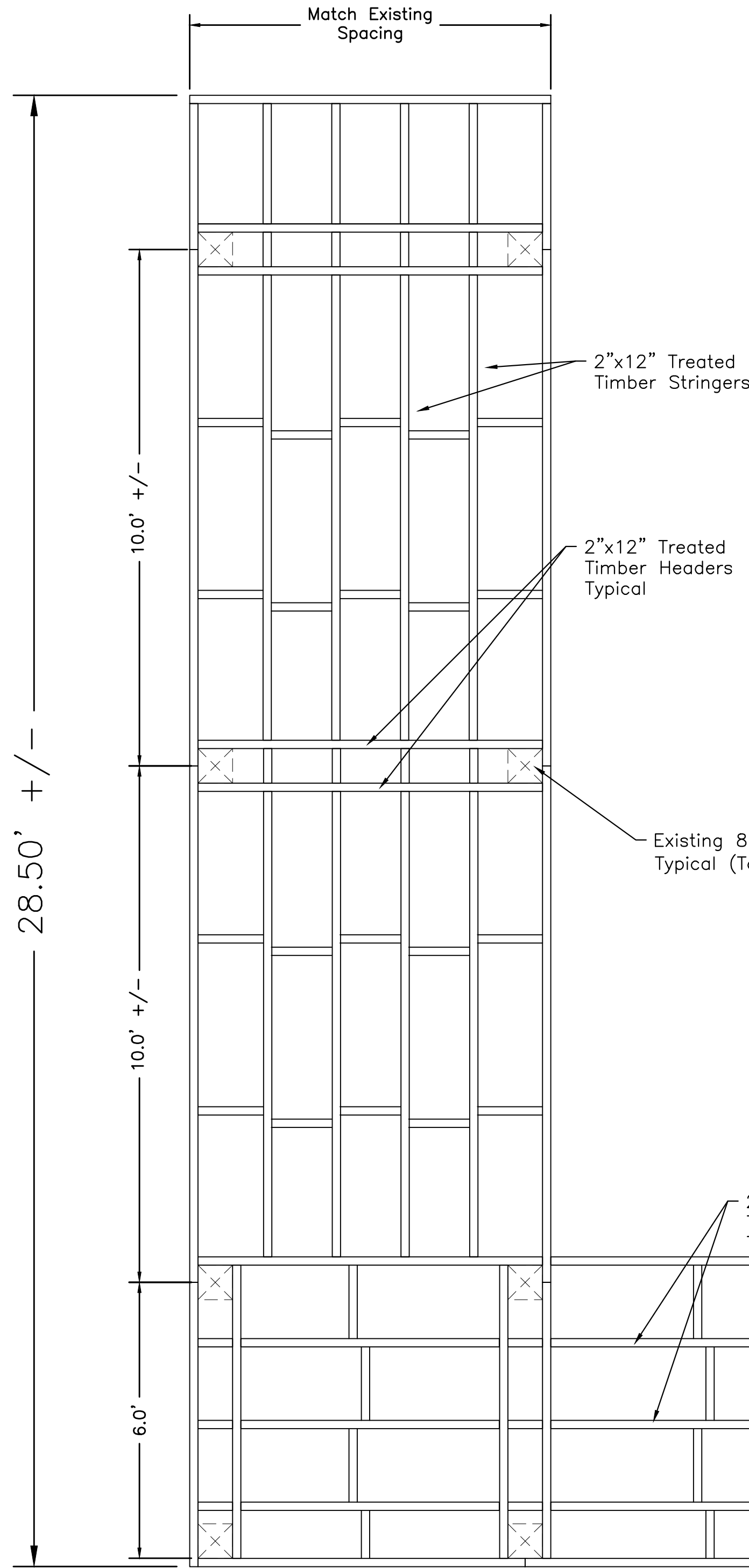


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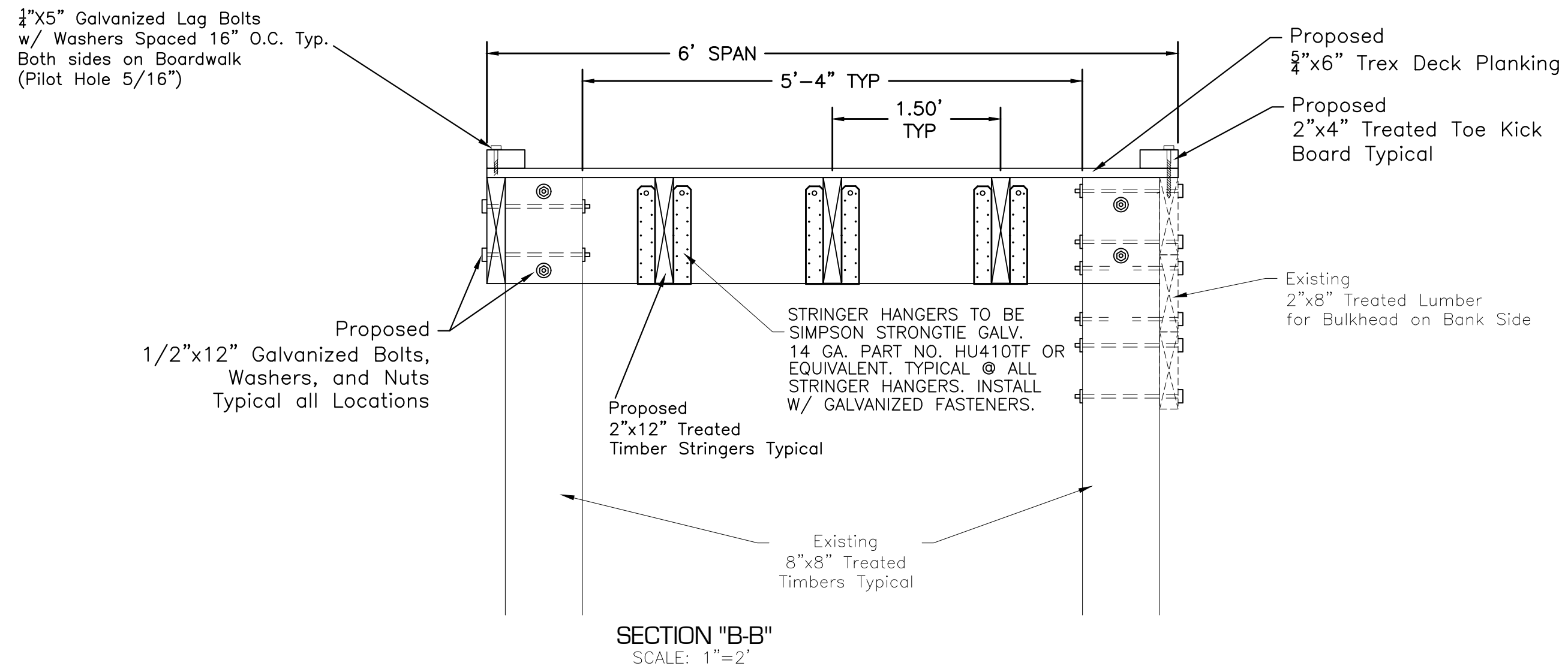




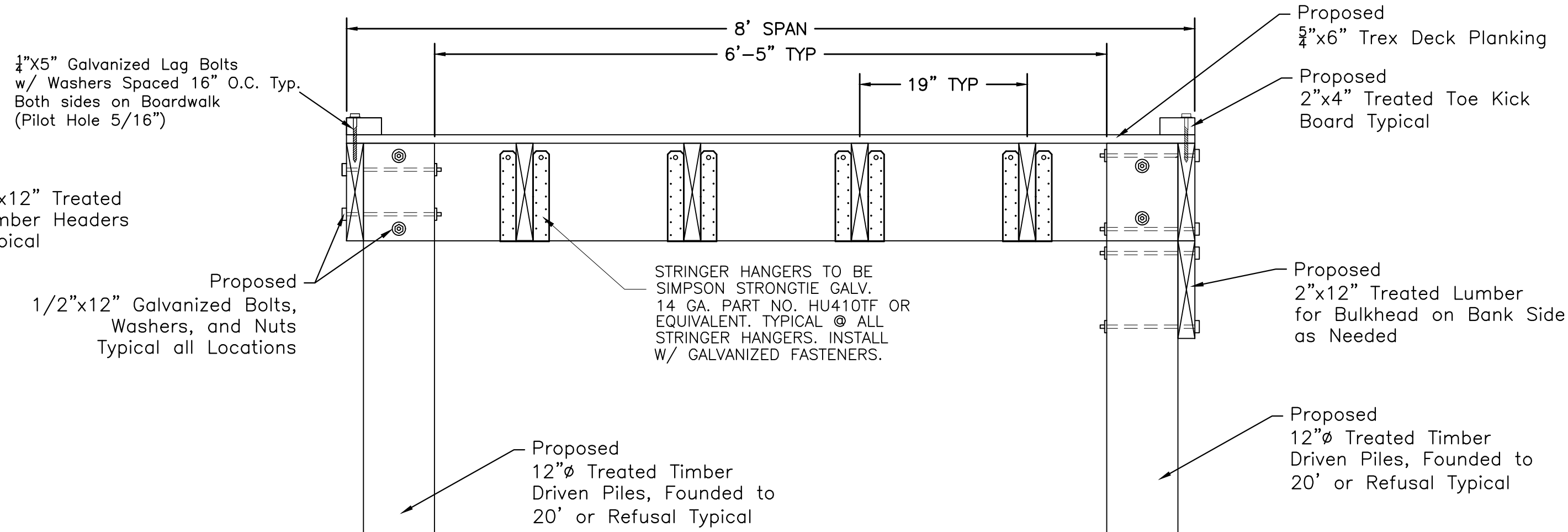
PLAN VIEW OF EXISTING & PROPOSED BOARDWALK  
SCALE: 1"=2'



PLAN VIEW OF EXISTING & PROPOSED BOARDWALK  
FRAMING  
SCALE: 1"=2'



SECTION "B-B"  
SCALE: 1"=2'



SECTION "C-C"  
SCALE: 1"=2'

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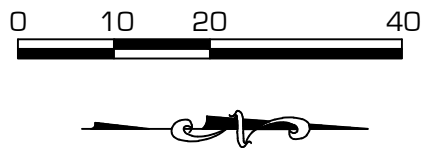
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CONSTRUCTION PLANS  
FOR  
SABINE RIVER AUTHORITY OF TEXAS  
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IMPROVEMENTS

**STATE OF TEXAS**  
STEPHEN J. JORDAN  
87766  
LICENSED PROFESSIONAL ENGINEER  
6-1-2022

DATE: JUNE 2022
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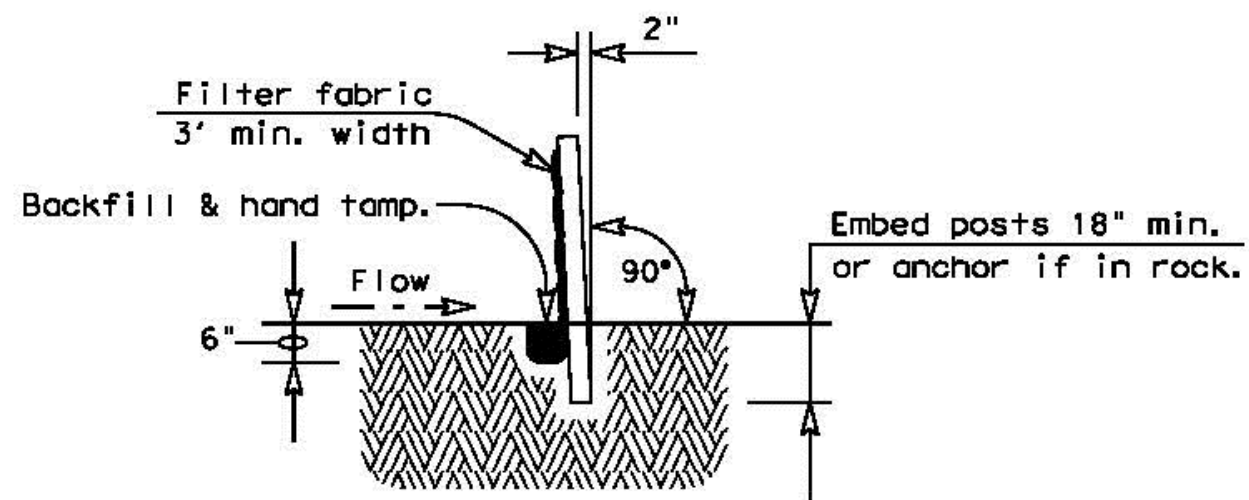


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SECTION A-A

GENERAL NOTES

1. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

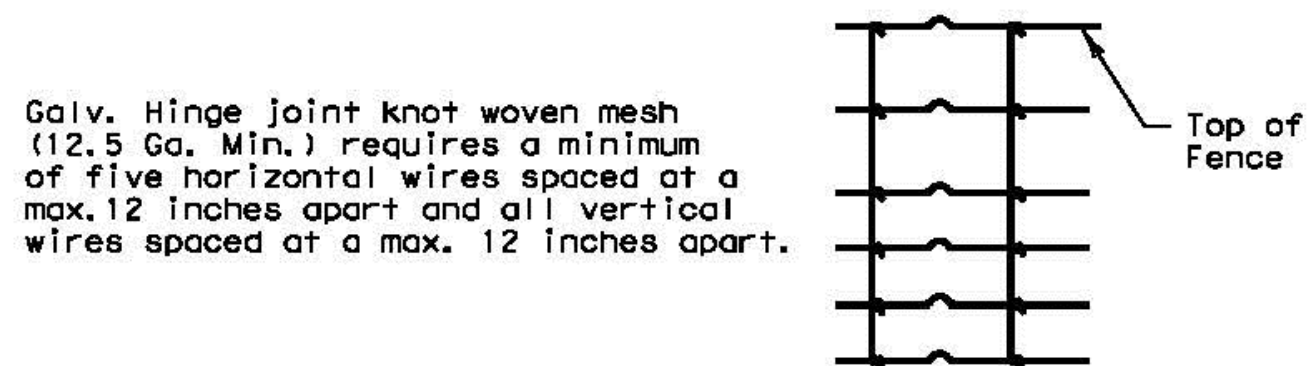
PLAN SHEET LEGEND

Sediment Control Fence — SCF —

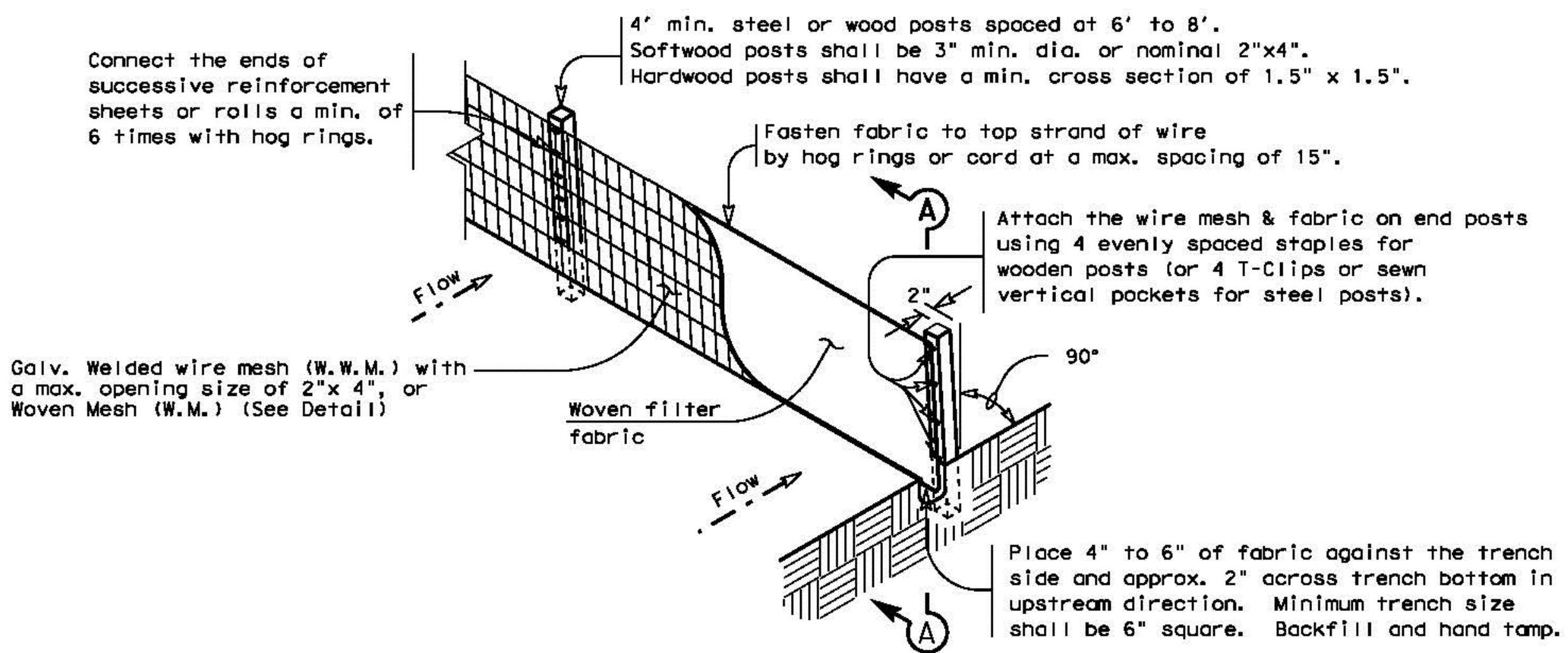
SEDIMENT CONTROL FENCE USAGE GUIDELINES

A 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<sup>2</sup>. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

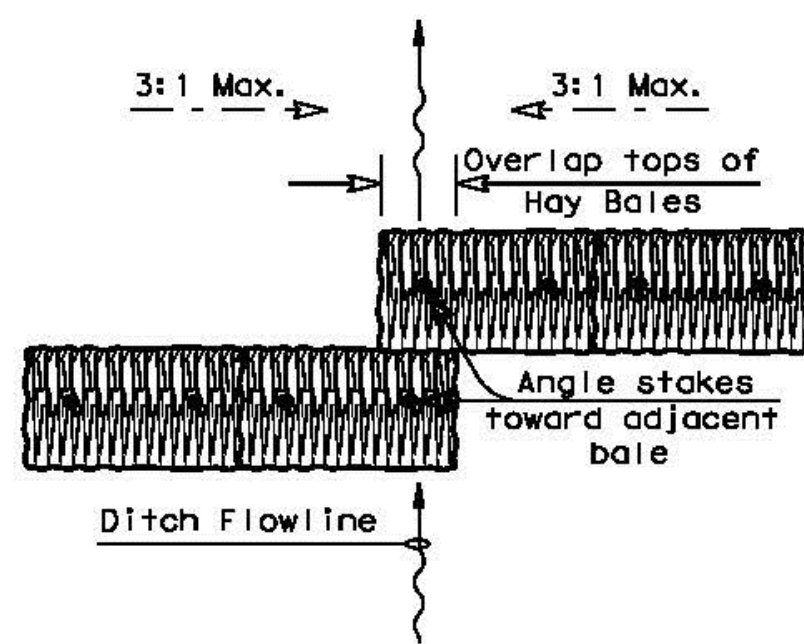


Hinge Joint Knot Woven Mesh (Option)

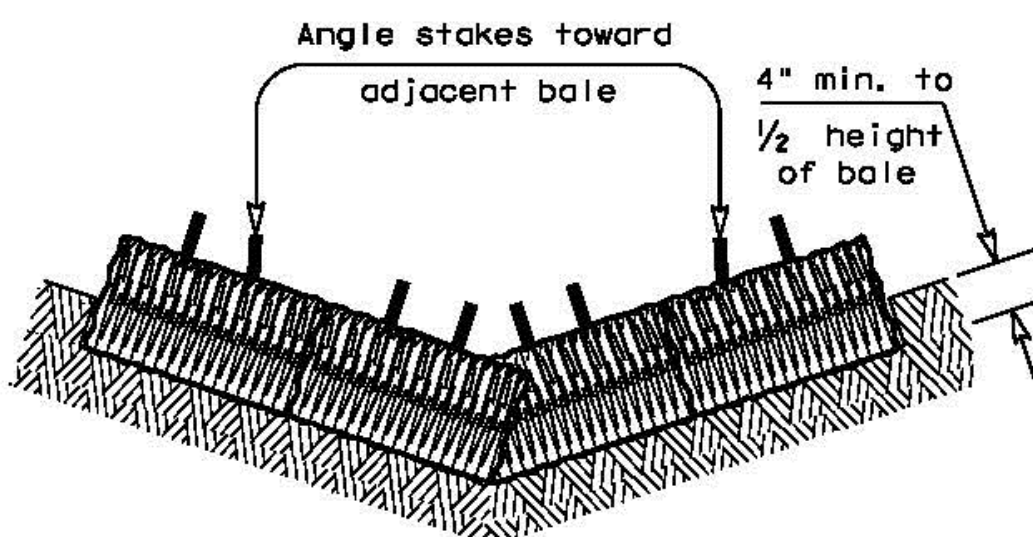


TEMPORARY SEDIMENT CONTROL FENCE

SCF



PLAN VIEW



PROFILE VIEW

PLANS SHEET LEGEND

Baled Hay — BH —

BALED HAY USAGE GUIDELINES

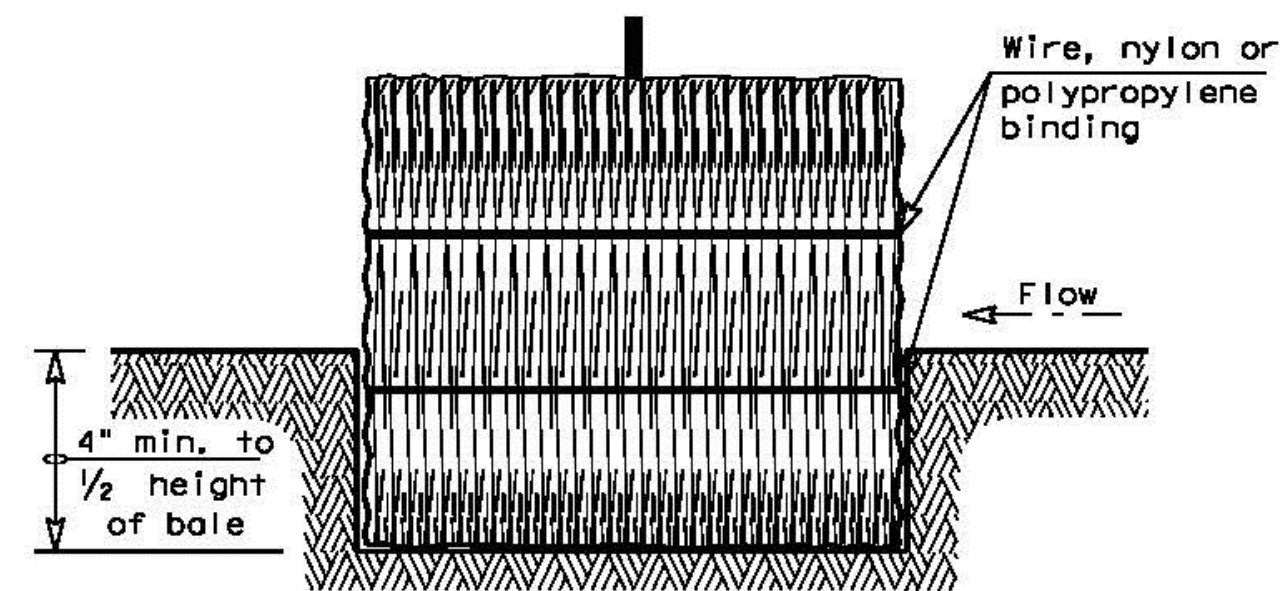
A Baled Hay installation may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A two year storm frequency may be used to calculate the flow rate to be filtered. The installation should be sized to filter a maximum flow thru rate of 5 GPM/FT<sup>2</sup> of cross sectional area. Baled hay may be used at the following locations:

1. Where the runoff approaching the baled hay flows over disturbed soil for less than 100'. If the slope of the disturbed soil exceeds 10%, the length of slope upstream the baled hay should be less than 50'.
2. Where the installation will be required for less than 3 months.
3. Where the contributing drainage area is less than 1/2 acre.

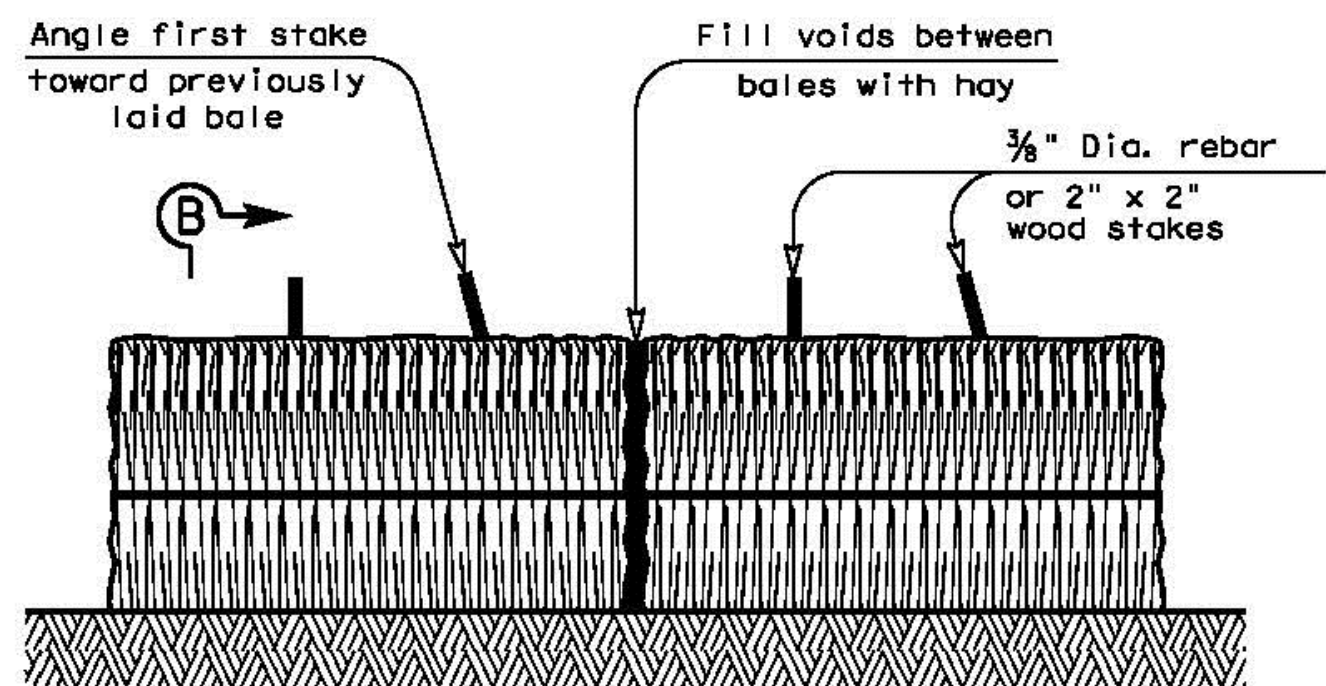
For Baled Hay installations in small ditches, the additional following considerations apply:

1. The ditch sideslopes should be graded as flat as possible to maximize the drainage flowrate thru the hay.
2. The ditch should be graded large enough to contain the overtopping drainage when sediment has filled to the top of the baled hay.

Bales should be replaced usually every 2 months or more often during wet weather when loss of structural integrity is accelerated.



SECTION B-B



BALED HAY FOR EROSION CONTROL

BH

GENERAL NOTES

1. Hay bales shall be a minimum of 30" in length and weigh a minimum of 50 Lbs.
2. Hay bales shall be bound by either wire or nylon or polypropylene string. The bales shall be composed entirely of vegetative matter.
3. Hay bales shall be embedded in the soil a minimum of 4" and where possible 1/2 the height of the bale.
4. Hay bales shall be placed in a row with ends tightly abutting the adjacent bales. The bales shall be placed with bindings parallel to the ground.
5. Hay bales shall be securely anchored in place with 3/8" Dia. rebar or 2" x 2" wood stakes, driven through the bales. The first stake shall be angled towards the previously laid bale to force the bales together.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

		Design Division Standard	
<b>TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES</b>			
<b>FENCE &amp; BALED HAY</b>			
<b>EC(1)-09</b>			
FILE: ec109.dgn	DN: TxDOT	CK: AM	DN: TV
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CONSTRUCTION PLANS FOR SABINE RIVER AUTHORITY OF TEXAS BLUEBIRD RECREATION AREA IMPROVEMENTS STORM WATER POLLUTION PREVENTION PLAN			
DATE: JUNE 2022			
SCALE: AS SHOWN			
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DESIGNED BY: XX			
CHECKED BY: SJJ			
SHEET: 14 OF 14			