CITY OF TAWAS CITY MICHIGAN

FIRST ST OVER TAWAS RIVER BRIDGE REHABILITATION PROJECT

GENERAL NOTES:

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS, ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDING TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR CONSTRUCTION 2012 EDITION.

WORK SHALL COMPLY WITH SECTION 504 OF THE REHABILITATION ACT OF 1973 AND THE AMERICANS WITH DISABILITIES ACT OF 1990.

DESIGN OF STRUCTURAL MEMBERS BASED ON

- STRUCTURAL STEEL: AASHTO M270, GRADE 50

f_V= 50,000 psi

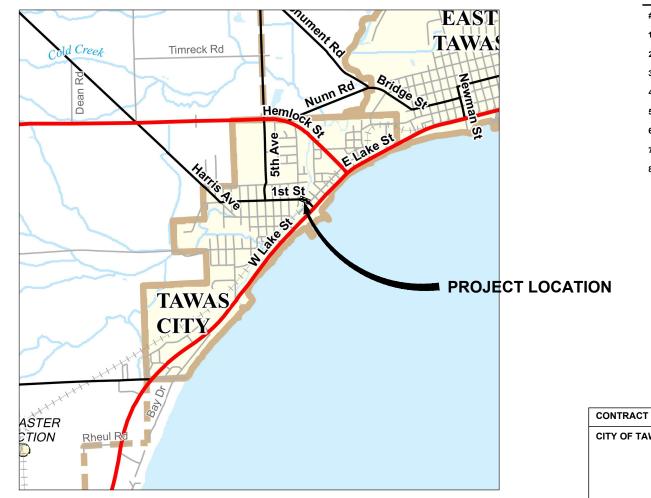
f'_C = 3,000 psi

f_b = 1,250 psi

TIMBER: SYP No.1

CONCRETE: GRADE S2

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53 1974 AS AMENDED, THE CONTRACTOR SHALL CONTACT MISS DIG AT 800-482-7171 or on-line at https://www.missdig.org/ A MINIMUM OF THREE (3) WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO EXCAVATION ON-SITE. ALL"MISS DIG" PARTICIPATING MEMBERS WILL THUS BE NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING OWNERS WHO MAY NOT PARTICIPATE IN THE "MISS DIG" SYSTEM. ALSO, NOTIFY THE CITY OF TAWAS CITY AT 1 - (989) 362-2521 THREE WORKING DAYS PRIOR AS ABOVE.



SEC 30, T22N, R8E **TAWAS CITY IOSCO COUNTY, MICHIGAN**

GUS OLIVER

PREPARED

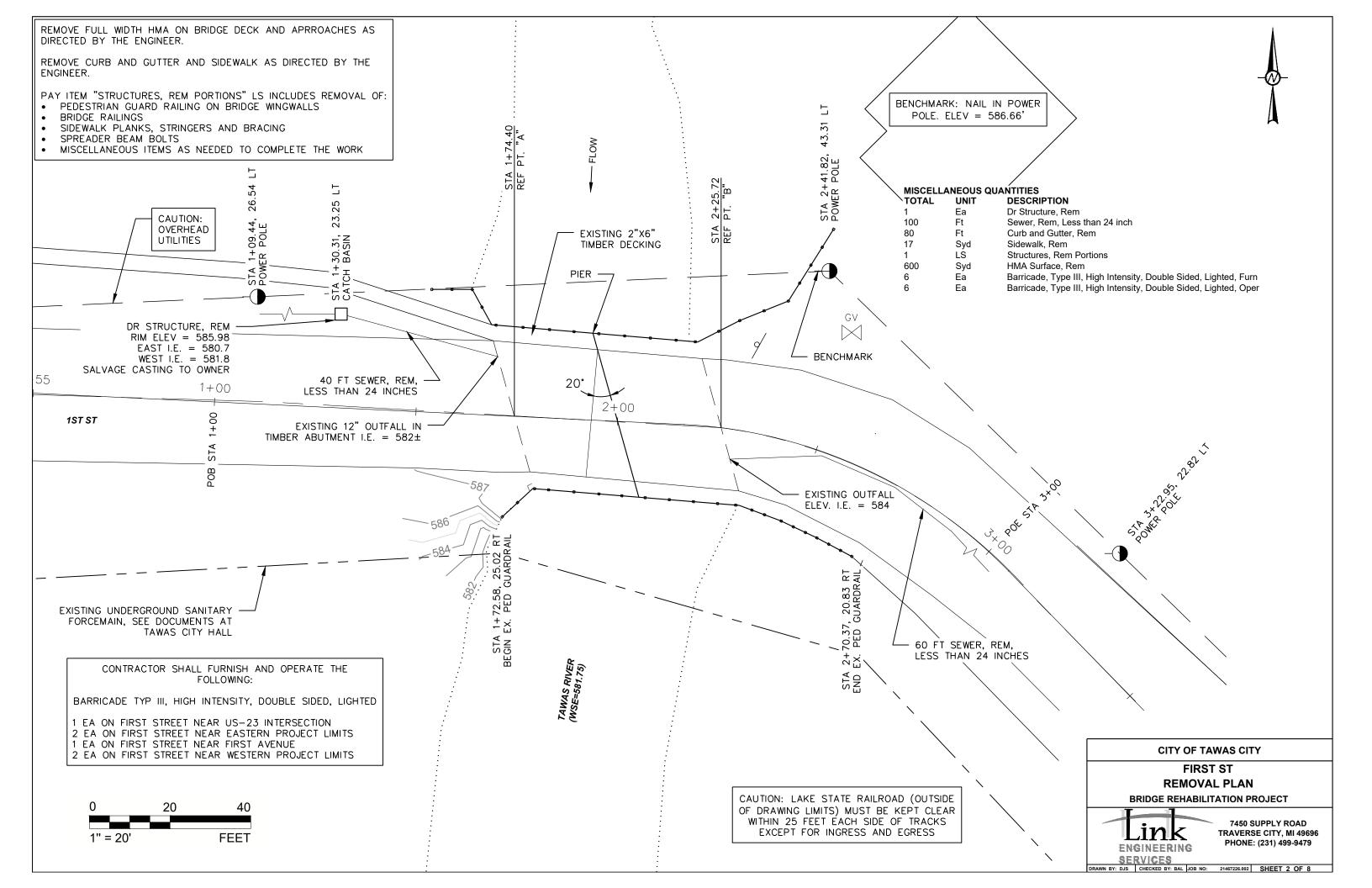
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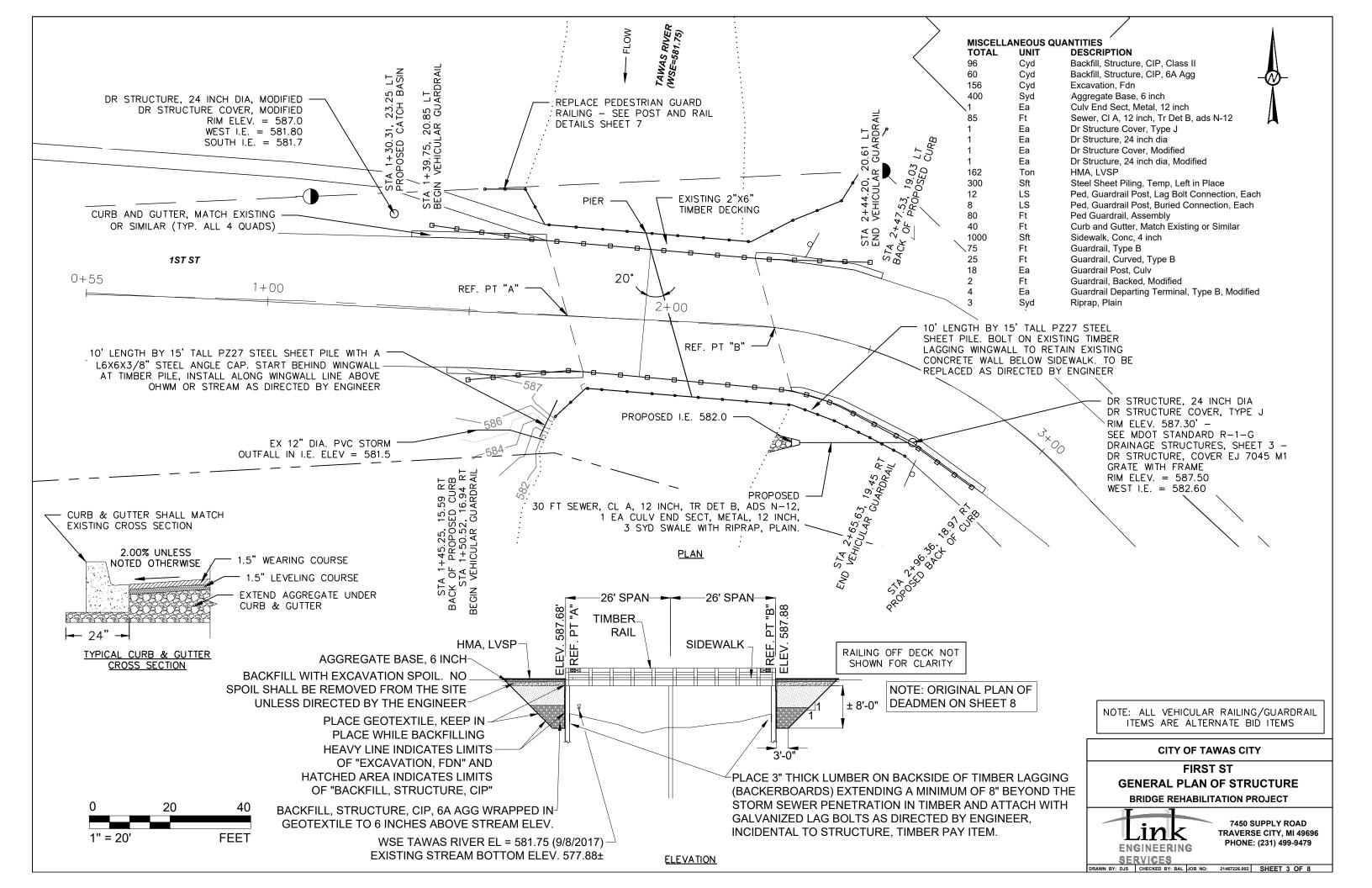
SHEET INDEX

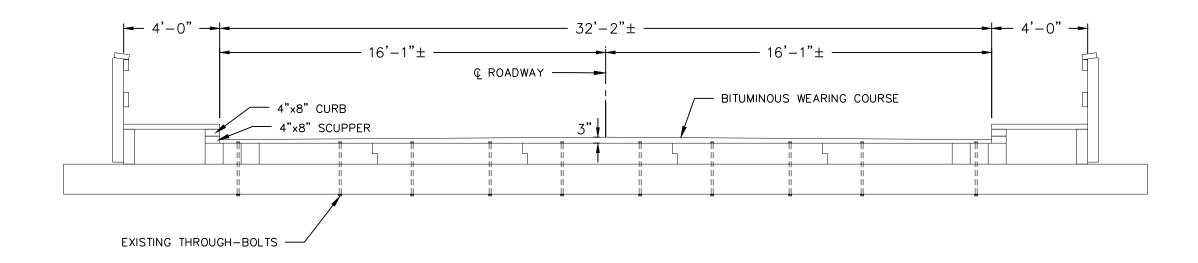
- # SHEET TITLE
- COVER SHEET
- FIRST ST REMOVAL PLAN 2
- FIRST ST GENERAL PLAN OF STRUCTURE 3
- FIRST ST CROSS SECTIONS
- FIRST ST SECTION DETAILS 5
- FIRST ST DECK PLAN
- FIRST ST POST TENSIONING SYSTEM 7
- FIRST ST CAP REMOVE AND REPLACE DEADMEN PLAN



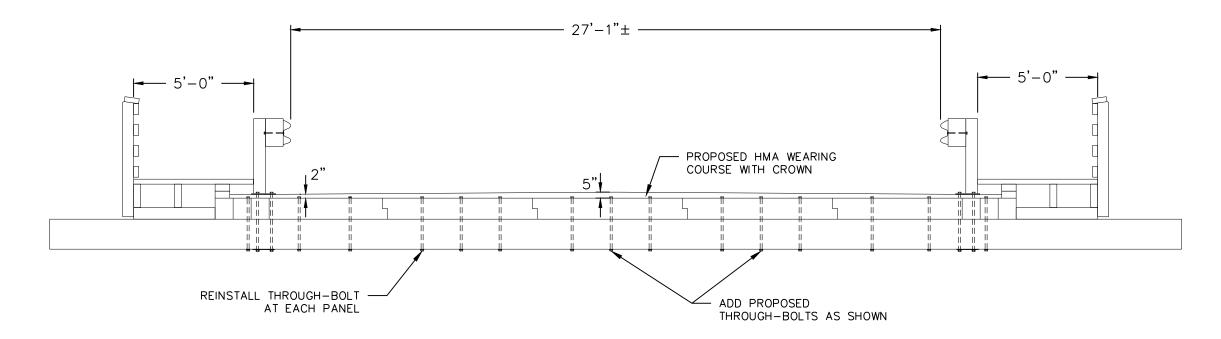
	ROJECI
FOR: BRIDGE REHABILITATION AND RELATED APPROACH WORK	d
NAS CITY	BRIDGE REHABILITATION PROJECT
R - DIRECTOR OF PUBLIC WORKS DATE	
UNDER THE SUPERVISION OF:	BRIDGE







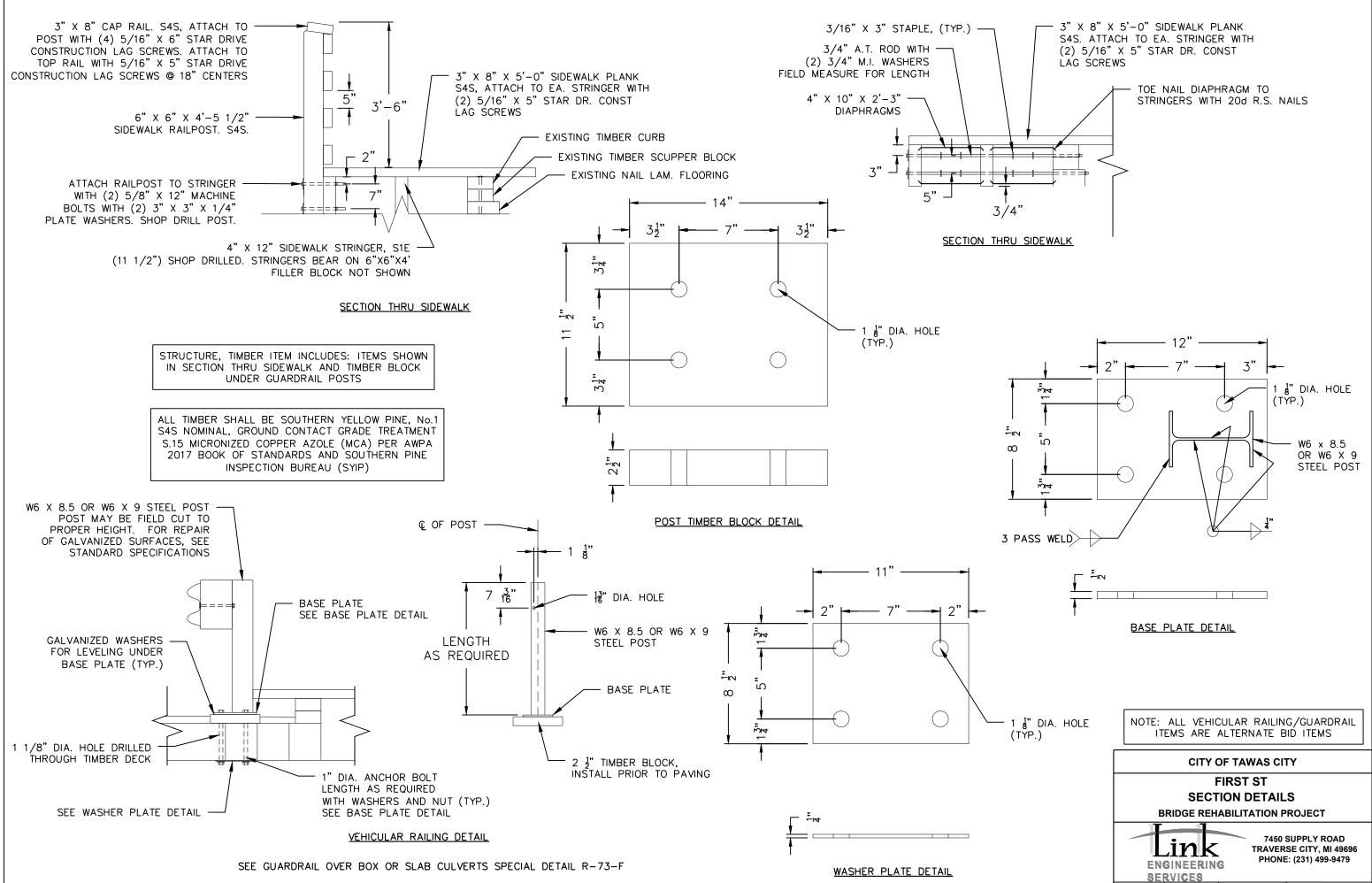
EXISTING FIRST ST. SECTION THRU DECK AT SPREADER BEAM



PROPOSED FIRST ST. SECTION THRU DECK AT SPREADER BEAM

TIMBER, POST TENSIONING ITEMS INCLUDE: THROUGH-BOLT REMOVAL, REINSTALLATION





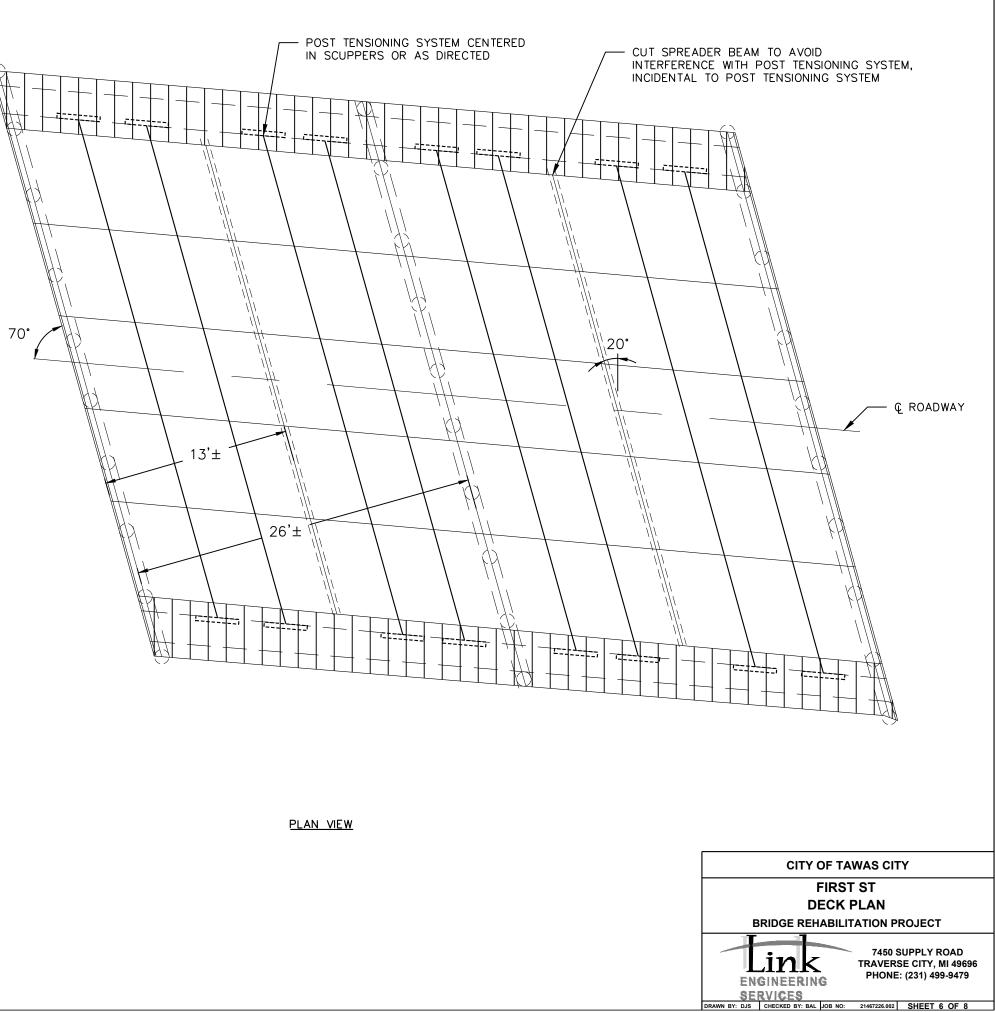
DRAWN BY: DJS CHECKED BY: BAL JOB NO: 21467226.002 SHEET 5 OF 8

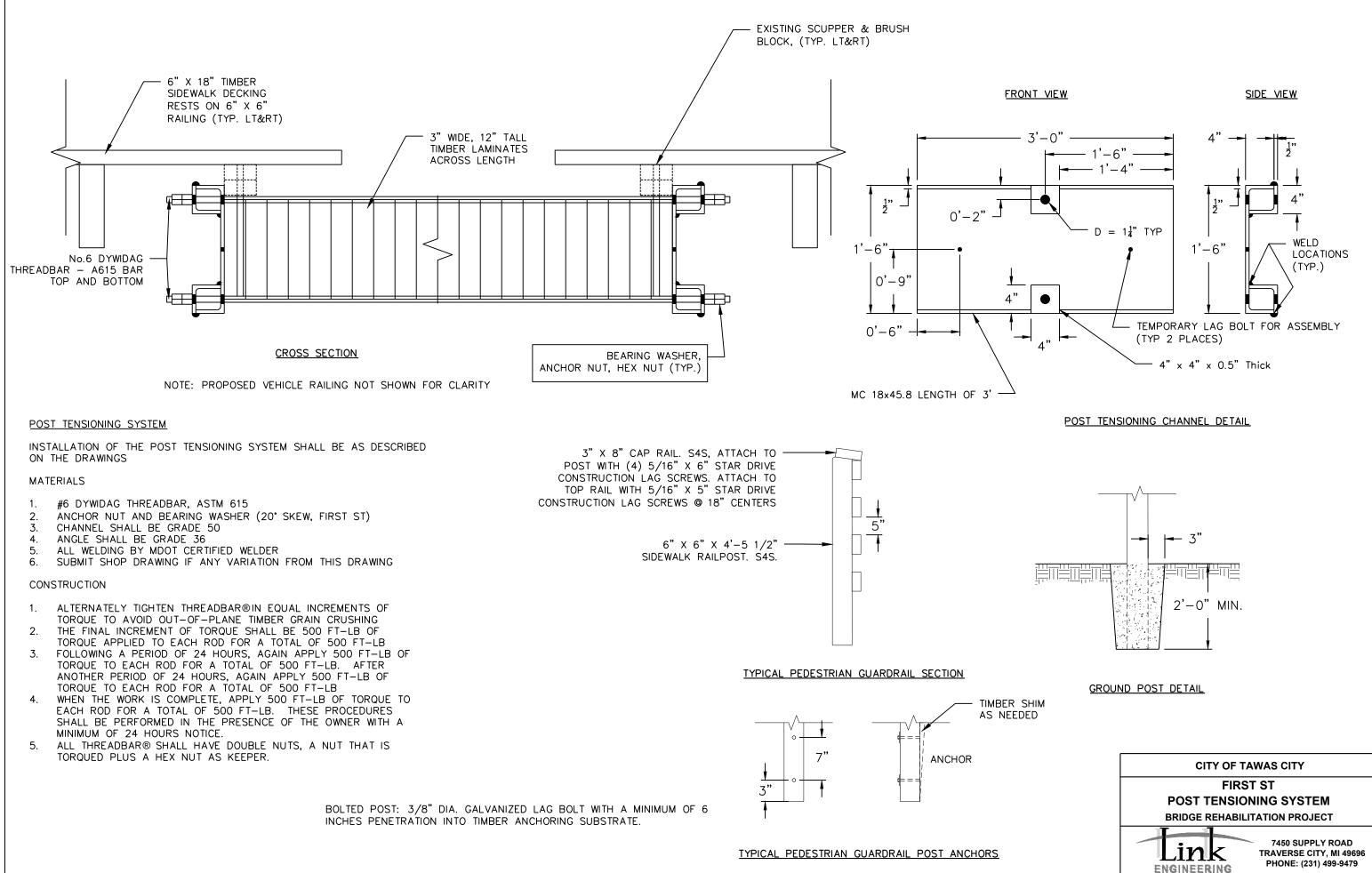
SPREADER BEAM THROUGH-BOLTS

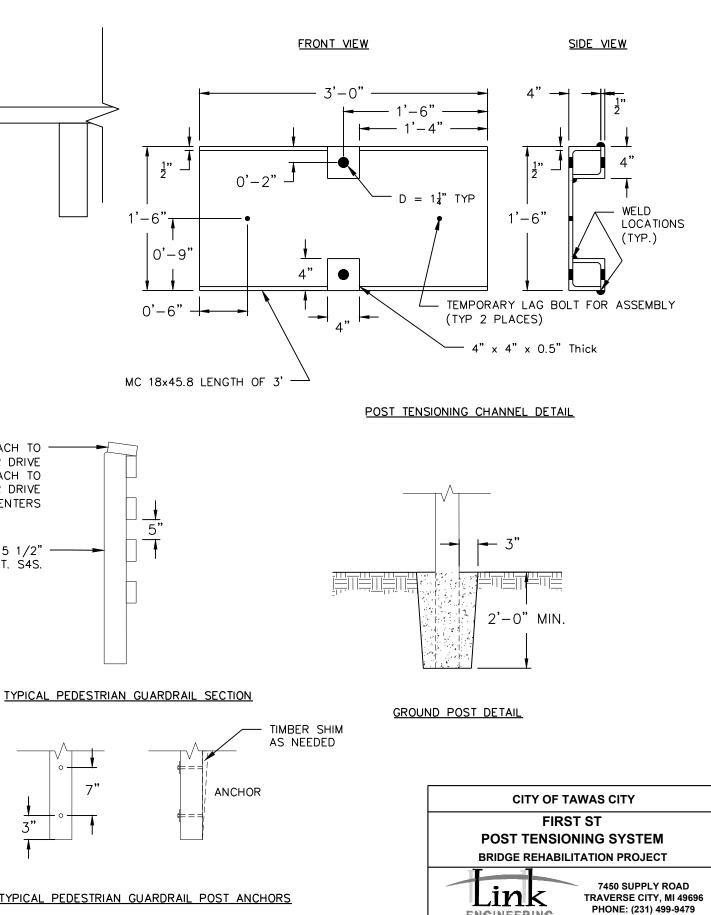
- ALL SPREADER BEAM THROUGH-BOLTS SHALL BE 1. REMOVED EXCEPT THE CENTER BOLT.
- 2. ALL THROUGH BOLTS SHALL BE RE-INSTALLED OR REPLACED IN ALL PROPOSED LOCATIONS ON DRAWINGS.
- 3. HOLES SHALL BE DRILLED USING THE ORIGINAL BOLT PATTERN ON THE SPREADER BEAM. DRILL HOLES FOR PROPOSED ADDITIONAL BOLTS.
- REPLACE SPREAD BEAM NUTS ON THROUGH-BOLTS, 4. RE-USE OR REPLACE REMAINING ASSEMBLY.
- 5. THE CONTRACTOR SHALL TIGHTEN ALL NUTS ON THE LAST DAY OF CONSTRUCTION IN THE PRESENCE OF THE OWNER TO ENSURE ALL NUTS ARE PROPERLY TIGHTENED.
- SET THREADS ON ALL SPREADER BEAM BOLTS AT NUT WITH CENTER PUNCH AFTER TIGHTENING. 6.
- 7. PAID FOR AS "STRUCTURE, TIMBER" LS.

MISCELLANEOUS QUANTITIES

TOTAL	UNIT	DESCRIPTION
1	LS	Post Tensioning, Modified
1	LS	Structure, Timber







SERVICES DRAWN BY: DJS CHECKED BY: BAL JOB NO: 21467226.002 SHEET 7 OF 8

