

Big Creek State Park
Fishing Pier & Path
Polk County, Iowa
PROJECT NUMBER: 21-02-77-08

April 7, 2023

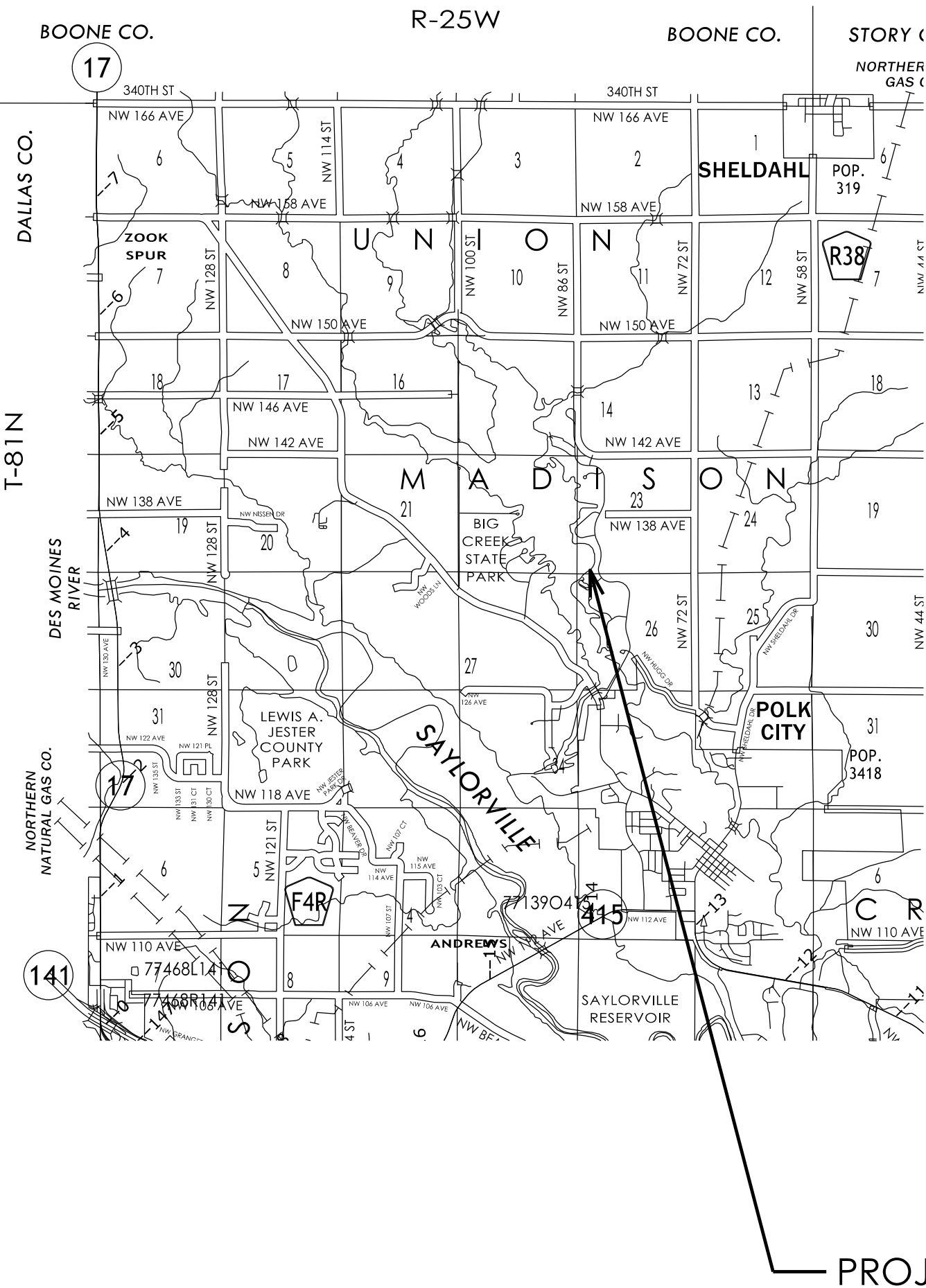
This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

Completion Date:

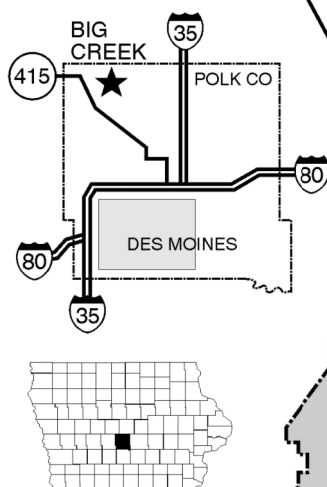
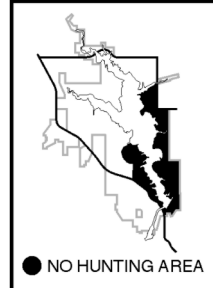
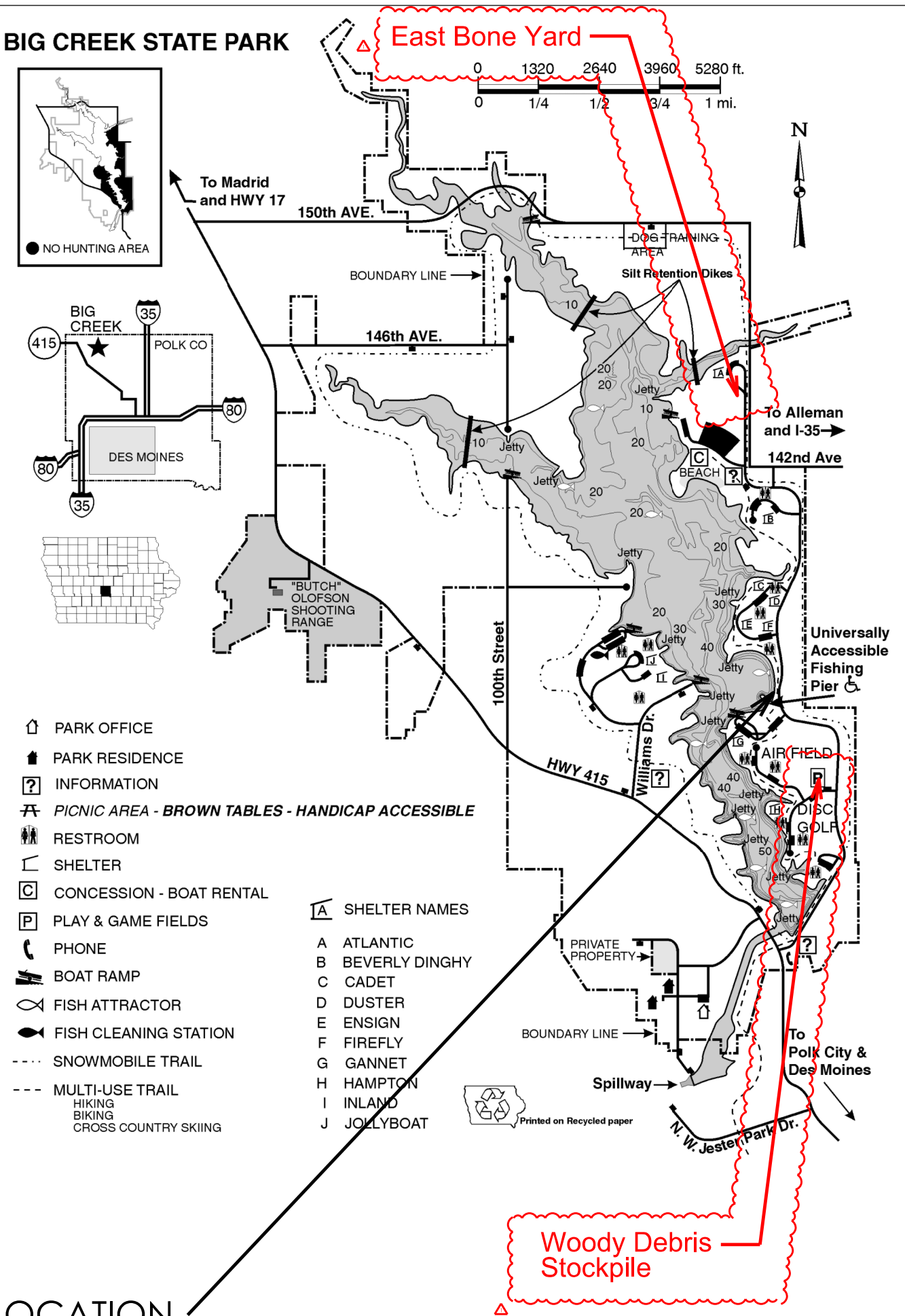
- A. The construction completion date has been changed from September 30, 2023 to October 31, 2023.

Plans:

- A. Sheet A.02 (attached) has been revised to indicate the excavation waste stockpile location.
- B. At the contractor's option, woody debris may be stockpiled near the Disc Golf area as shown in the attached revised sheet A.02.
- C. Attached to this addendum are the original construction plans for the fishing pier.



BIG CREEK STATE PARK



- PARK OFFICE
- PARK RESIDENCE
- INFORMATION
- PICNIC AREA - BROWN TABLES - HANDICAP ACCESSIBLE
- RESTROOM
- SHELTER
- CONCESSION - BOAT RENTAL
- PLAY & GAME FIELDS
- PHONE
- BOAT RAMP
- FISH ATTRACTOR
- FISH CLEANING STATION
- SNOWMOBILE TRAIL
- MULTI-USE TRAIL
HIKING
BIKING
CROSS COUNTRY SKIING
- SHELTER NAMES
- A** ATLANTIC
- B** BEVERLY DINGHY
- C** CADET
- D** DUSTER
- E** ENSIGN
- F** FIREFLY
- G** GANNET
- H** HAMPTON
- I** INLAND
- J** JOLLYBOAT

Printed on Recycled paper

Woody Debris Stockpile

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



PROJECT LOCATION MAP

FISHING PIER & PATH FOR:

BIG CREEK STATE PARK

POLK COUNTY

NO.	DATE	REVISION
1	2/7/23	REVISION 1

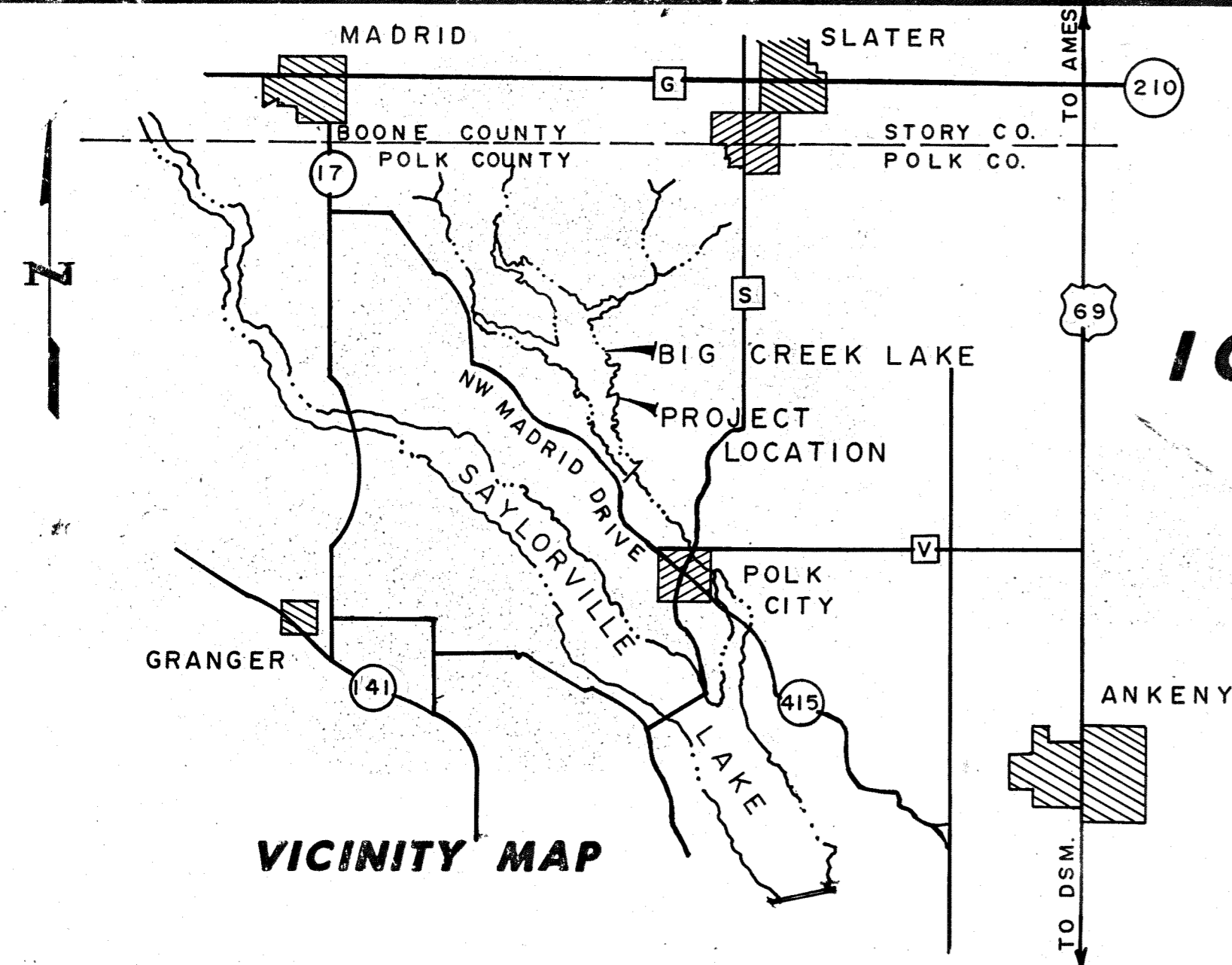
DRAWN BY: PROJECT NUMBER:
21-02-77-08

CHK'D BY: DATE:

SHEET NO:

A.02

PROJECT LOCATION



VICINITY MAP

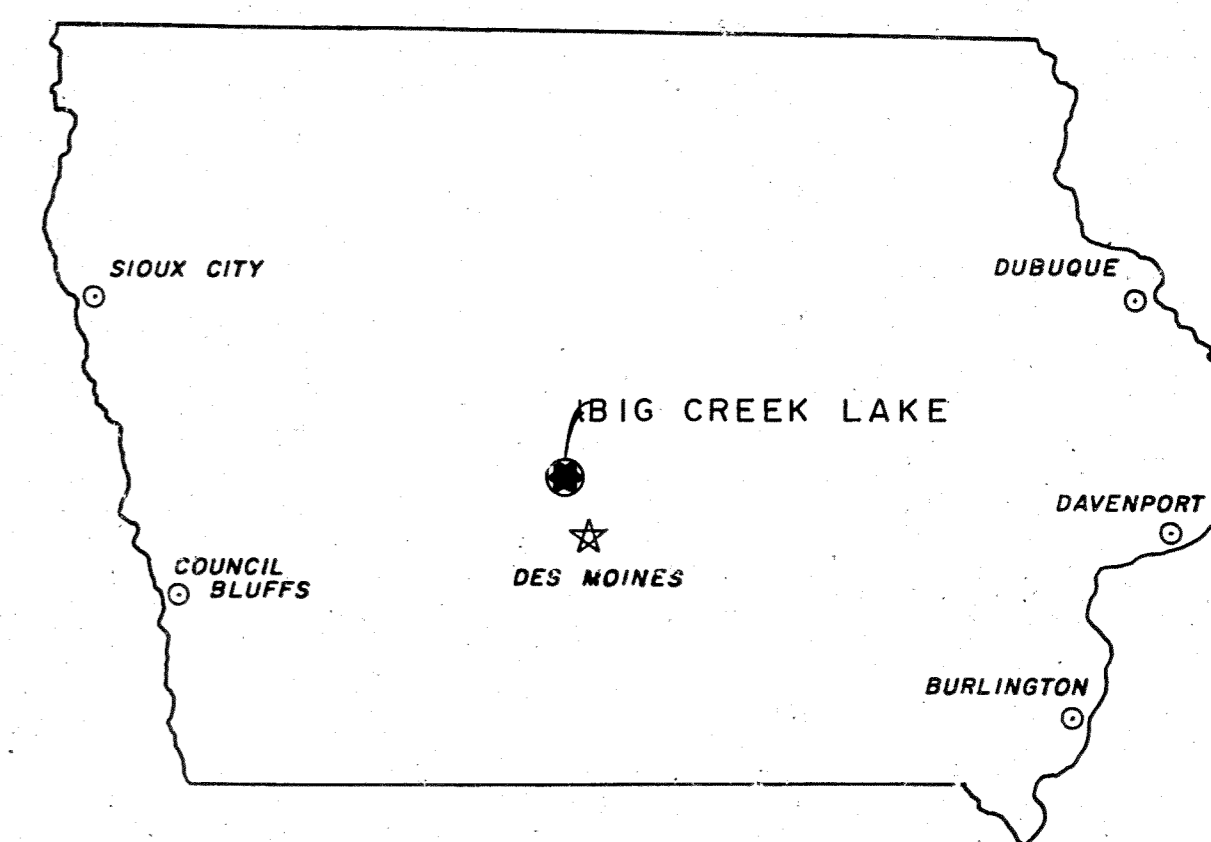
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION PLANS

FOR

BIG CREEK LAKE
POLK COUNTY

PROPOSED HANDICAPPED FISHING PIER AND ACCESS RAMP



KEY MAP

PROJECT NUMBER FI-8612

ESTIMATE OF QUANTITIES		
ITEM NO.	DESCRIPTION	QUANTITIES
1.	MOBILIZATION	LUMP SUM
2.	CLEARING & GRUBBING	LUMP SUM
3.	CONSTRUCTION TRAFFIC CONTROL	LUMP SUM
4.	TIMBER PILE - 10" - FURNISH	600 L.F.
5.	TIMBER PILE - 11" - FURNISH	780 L.F.
6.	TIMBER PILE - 10" - DRIVE	600 L.F.
7.	TIMBER PILE - 11" - DRIVE	780 L.F.
8.	EARTHWORK	210 C.Y.
9.	FILTER FABRIC MATERIAL	125 S.Y.
10.	CLASS "D" RIPRAP	70 TON
11.	RETAINING WALL, TIMBER	LUMP SUM
12.	CLASS "A" CRUSHED STONE BASE	76 TON
13.	CONCRETE SIDEWALK	348 S.Y.
14.	RAMP HANDRAIL	76 L.F.
15.	TIMBER STRUCTURE-HANDICAPPED FISHING PIER	LUMP SUM
16.	SEEDING, FERTILIZING AND MULCHING	LUMP SUM

PLANS PREPARED BY
BUREAU OF CONSTRUCTION SERVICES
DIVISION OF ADMINISTRATION

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
NAME: Wayne S. Wixsell
DATED: Jan. 25, 1989 RE. REG. NO. 7850



APPROVED BY: Thomas W. Albright 1/26/89
CHIEF ENGINEER DATE

APPROVED BY: [Signature] 2-1-89
DATE

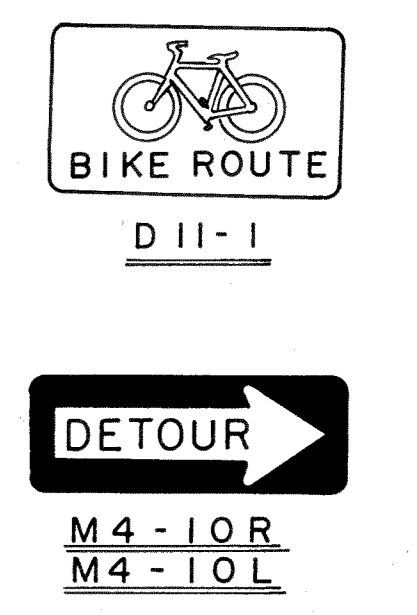
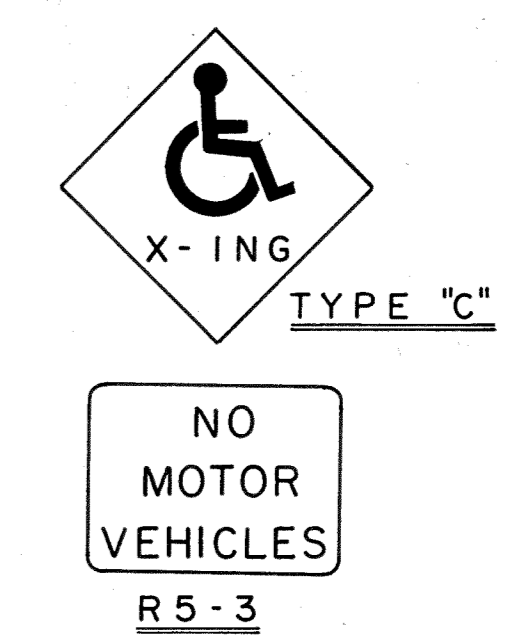
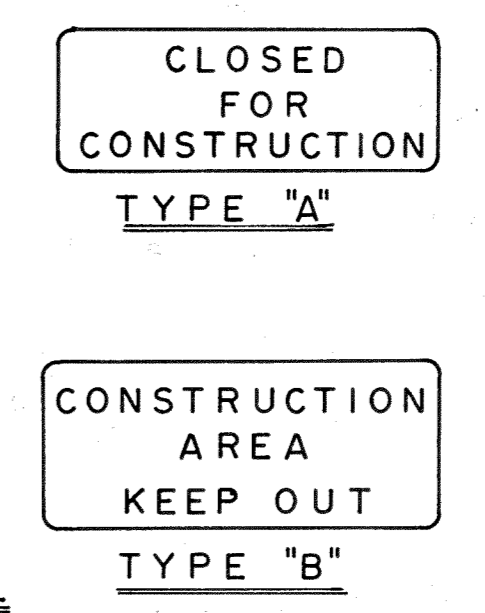
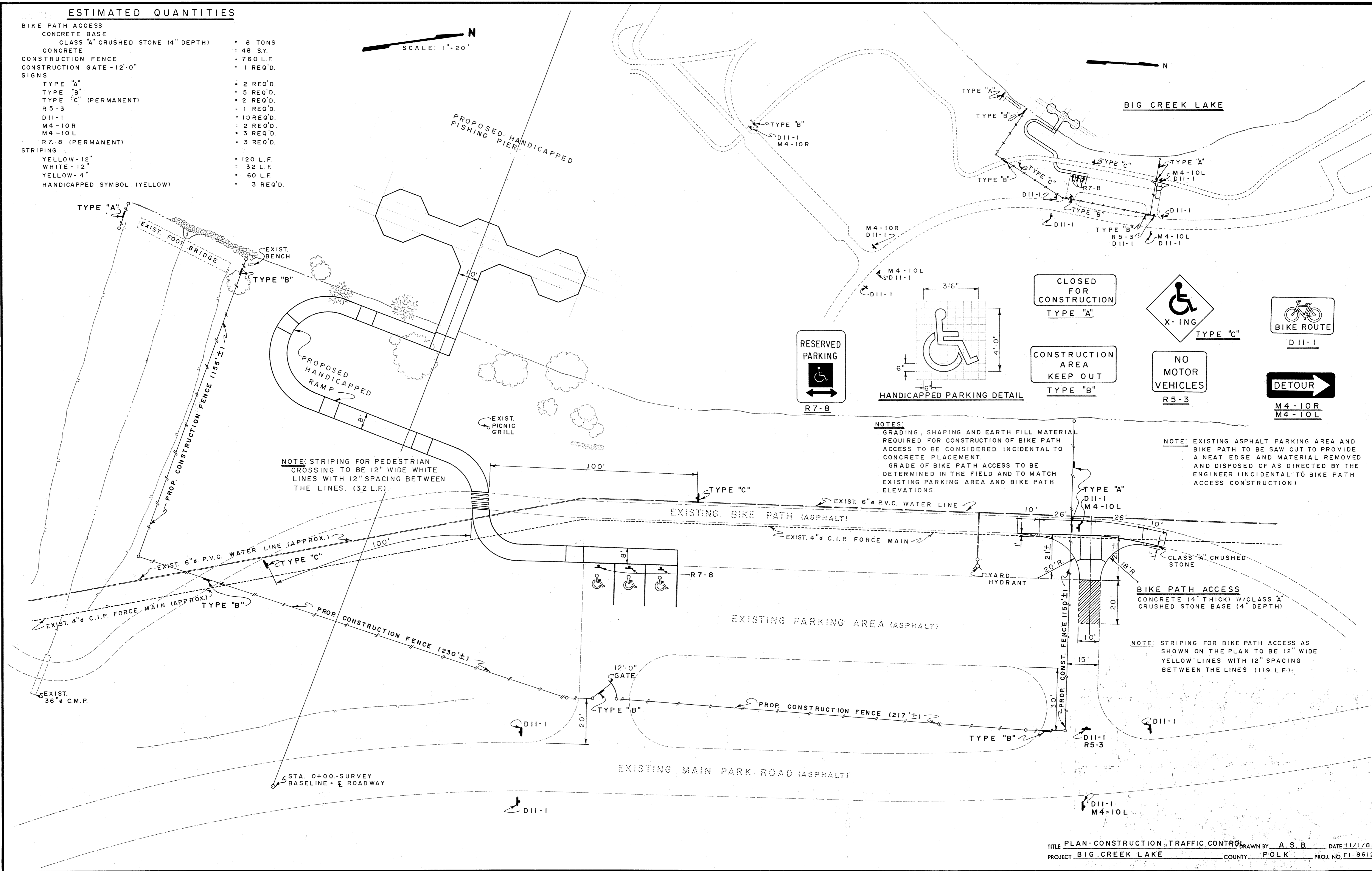
APPROVED BY: [Signature] 2-1-89
DIVISION ADMINISTRATOR DATE

APPROVED BY: _____ DATE

INDEX TO DRAWINGS	
TITLE	SHEET NO.
TITLE SHEET, ESTIMATE OF QUANTITIES & VICINITY MAP	1.
LOCATION MAP	2.
PLAN-CONSTRUCTION TRAFFIC CONTROL	3.
PLAN, PROFILE & TYPICAL SECTION HANDICAPPED ACCESS RAMP TO PIER	4.
PLAN, PROFILE & TYPICAL SECTION HANDICAPPED RAMP & RETAINING WALL	5.
CROSS SECTIONS- HANDICAPPED RAMP	6.
DETAILS & PLAN LOCATIONS OF HANDRAILS & PILINGS FOR PROPOSED HANDICAPPED FISHING PIER	7.
TYPICAL SECTIONS & ELEVATION HANDICAPPED FISHING PIER	8.
FRAMING PLAN & LUMBER QUANTITIES HANDICAPPED FISHING PIER	9.
CONNECTION DETAILS FOR HANDICAPPED FISHING PIER	10.
STANDARD DRAWING HANDICAPPED FISHING PIER CONNECTORS	11.

ESTIMATED QUANTITIES

BIKE PATH ACCESS	
CONCRETE BASE	= 8 TONS
CLASS "A" CRUSHED STONE (4" DEPTH)	= 48 S.Y.
CONCRETE	= 48 S.Y.
CONSTRUCTION FENCE	= 760 L.F.
CONSTRUCTION GATE - 12'-0"	= 1 REQ'D.
SIGNS	
TYPE "A"	= 2 REQ'D.
TYPE "B"	= 5 REQ'D.
TYPE "C" (PERMANENT)	= 2 REQ'D.
R5-3	= 1 REQ'D.
DII-1	= 10 REQ'D.
M4-10R	= 2 REQ'D.
M4-10L	= 3 REQ'D.
R7-8 (PERMANENT)	= 3 REQ'D.
STRIPING	
YELLOW - 12"	= 120 L.F.
WHITE - 12"	= 32 L.F.
YELLOW - 4"	= 60 L.F.
HANDICAPPED SYMBOL (YELLOW)	= 3 REQ'D.



NOTES:
 GRADING, SHAPING AND EARTH FILL MATERIAL REQUIRED FOR CONSTRUCTION OF BIKE PATH ACCESS TO BE CONSIDERED INCIDENTAL TO CONCRETE PLACEMENT.
 GRADE OF BIKE PATH ACCESS TO BE DETERMINED IN THE FIELD AND TO MATCH EXISTING PARKING AREA AND BIKE PATH ELEVATIONS.

NOTE: EXISTING ASPHALT PARKING AREA AND BIKE PATH TO BE SAW CUT TO PROVIDE A NEAT EDGE AND MATERIAL REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER (INCIDENTAL TO BIKE PATH ACCESS CONSTRUCTION)

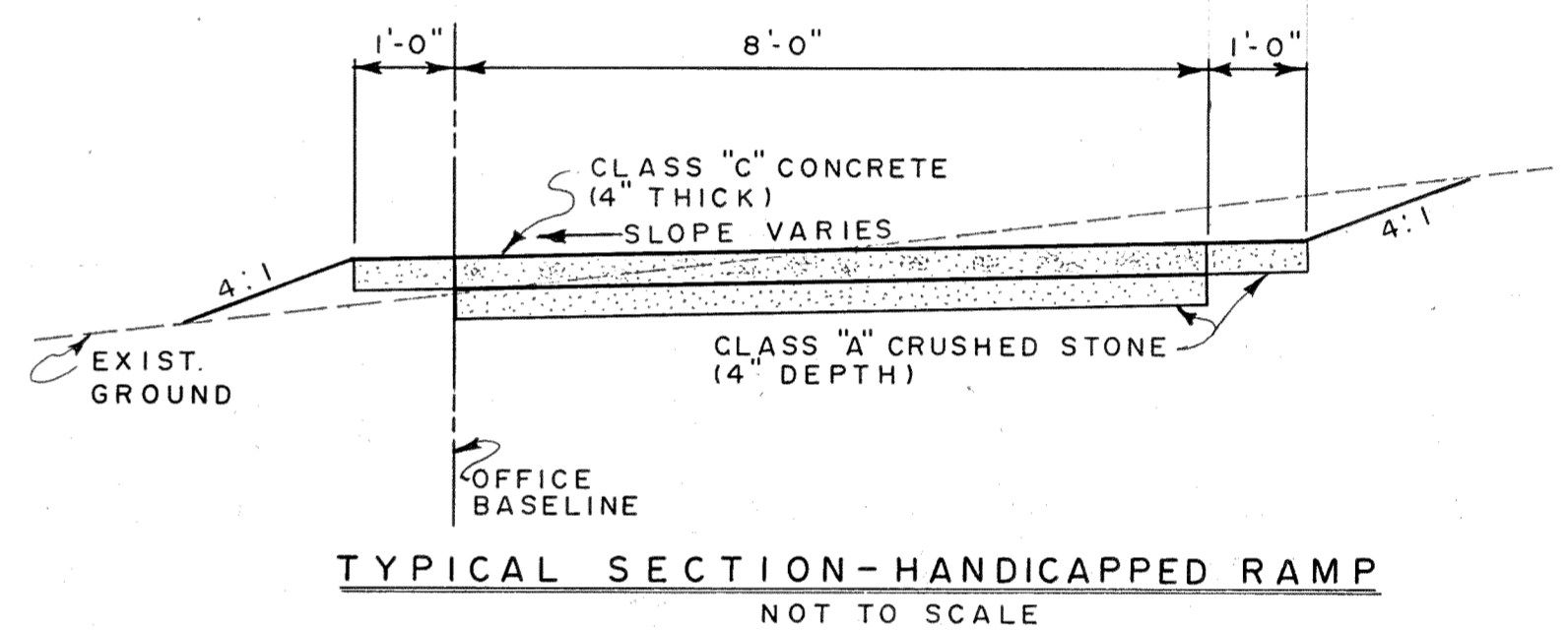
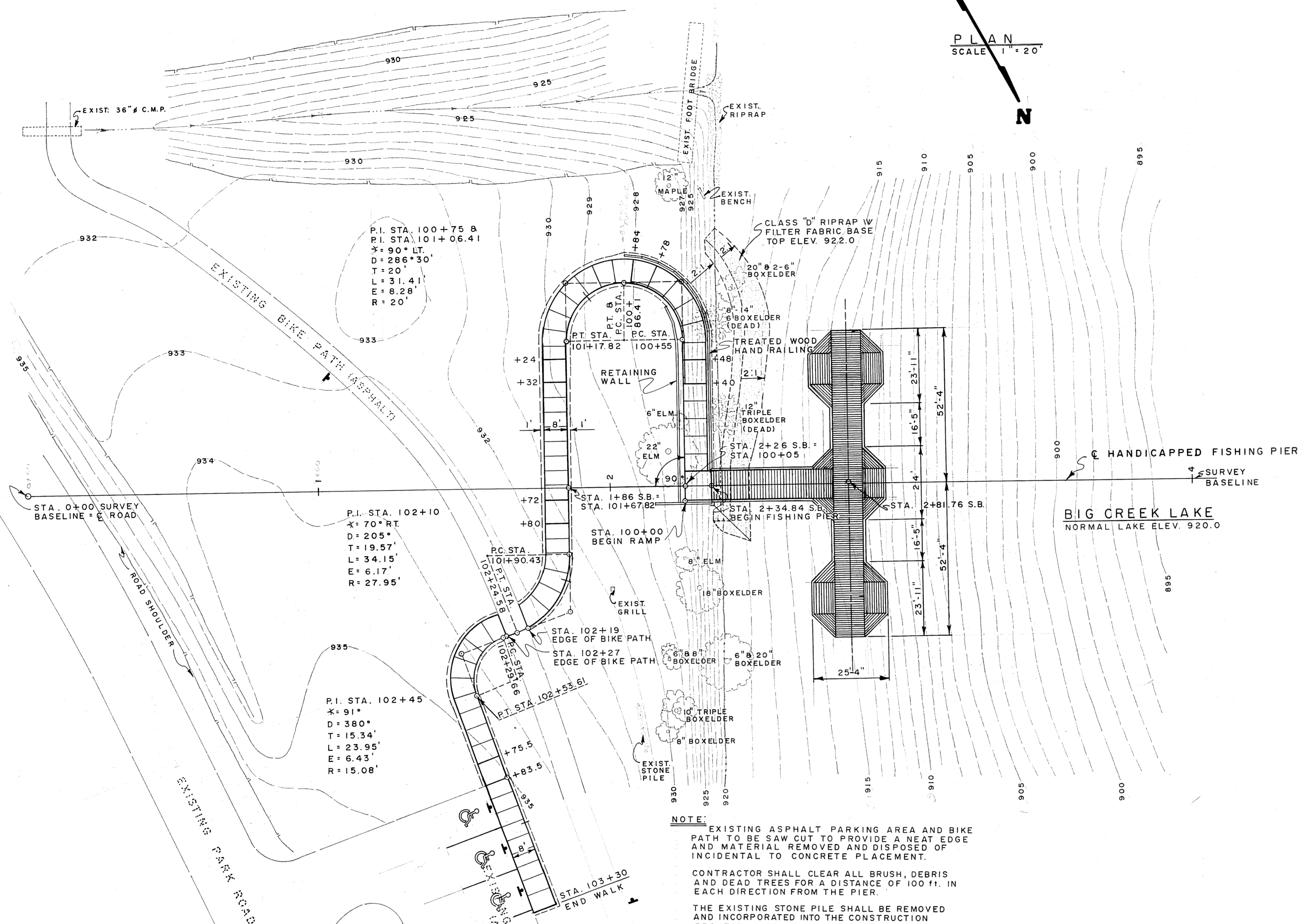
BIKE PATH ACCESS
 CONCRETE (4" THICK) W/CLASS "A" CRUSHED STONE BASE (4" DEPTH)

NOTE: STRIPING FOR BIKE PATH ACCESS AS SHOWN ON THE PLAN TO BE 12" WIDE YELLOW LINES WITH 12" SPACING BETWEEN THE LINES. (119 L.F.)

PLAN
SCALE 1" = 20'

ESTIMATED QUANTITIES

CLEARING & GRUBBING:	= LUMP SUM
± 12 TREES	
EARTHWORK:	= 75 C.Y.
CUT	= 210 C.Y.
FILL + 30%	= 135 C.Y.
BORROW	
SLOPE PROTECTION:	= 125 S.Y.
FILTER FABRIC BASE	= 70 TON
CLASS "D" RIPRAP (18" DEPTH)	
RETAINING WALL: (6"x8" LANDSCAPE TIMBERS)	= 2 REO'D.
6"x8"x10'-0"	= 57 REO'D.
6"x8"x8'-0"	= 5 REO'D.
6"x8"x6'-0"	
CONCRETE RAMP BASE:	= 50 TON
CLASS "A" CRUSHED STONE (4" DEPTH)	
CONCRETE:	= 300 S.Y.
CLASS "C" (4" THICK)	
RAMP SHOULDERS	= 10 TON
CLASS "A" CRUSHED STONE (4" DEPTH)	
(8" DEPTH)	= 8 TON
RAMP HANDRAIL:	= 16 REO'D.
6"x6"x8'-0" POSTS	= 152 L.F.
2"x4"	= 76 L.F.
2"x6"	= 76 L.F.
2"x10"	= 76 L.F.
SEEDING	= LUMP SUM

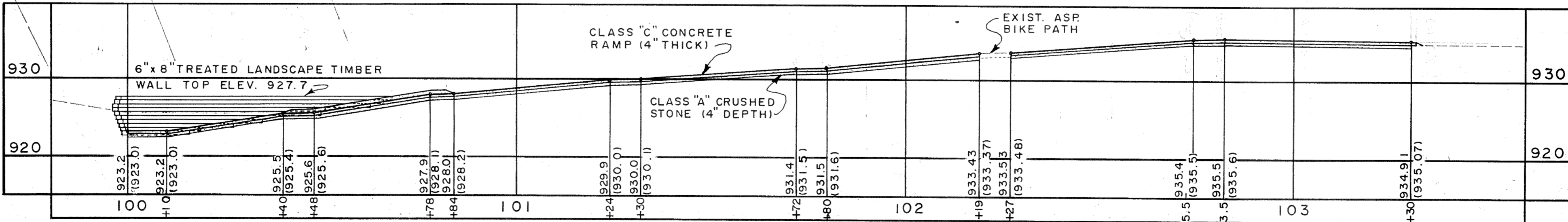


NOTE: EXISTING ASPHALT PARKING AREA AND BIKE PATH TO BE SAW CUT TO PROVIDE A NEAT EDGE AND MATERIAL REMOVED AND DISPOSED OF INCIDENTAL TO CONCRETE PLACEMENT.

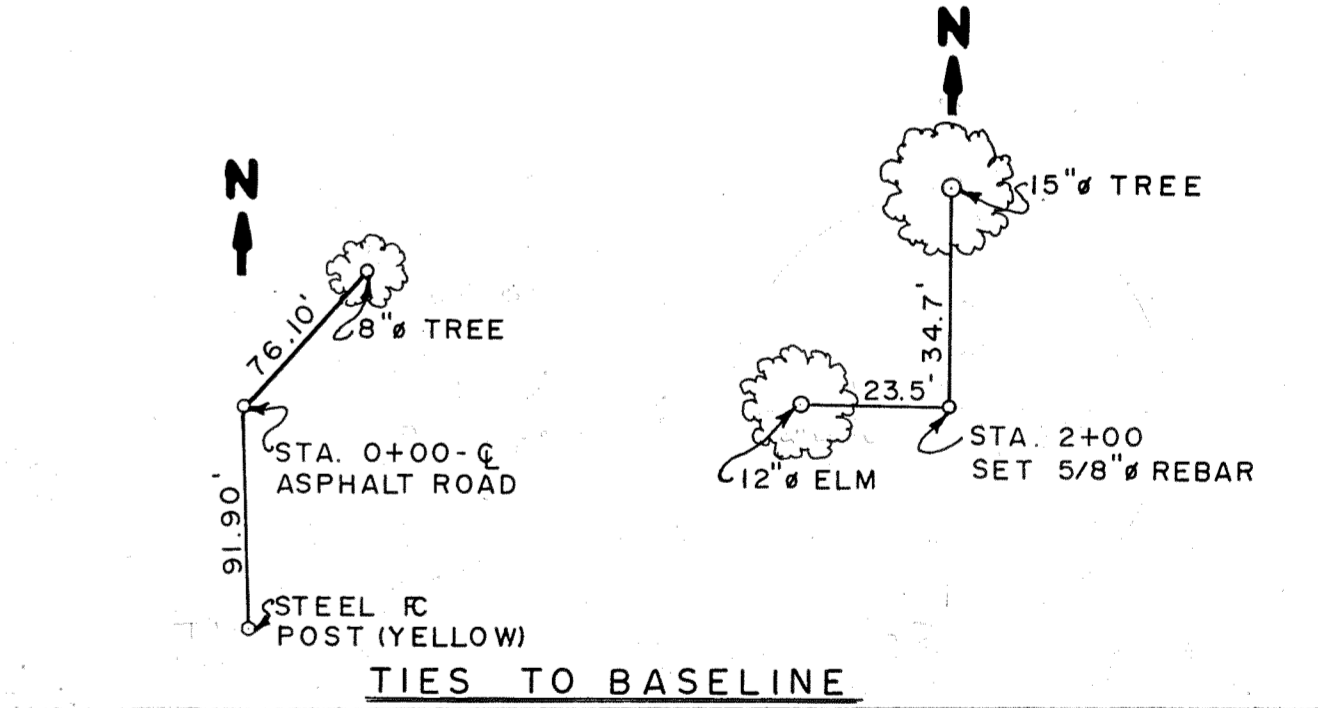
CONTRACTOR SHALL CLEAR ALL BRUSH, DEBRIS AND DEAD TREES FOR A DISTANCE OF 100 FT. IN EACH DIRECTION FROM THE PIER.

THE EXISTING STONE PILE SHALL BE REMOVED AND INCORPORATED INTO THE CONSTRUCTION PROJECT.

NOTE: ELEVATIONS GIVEN ON PROFILE ARE TOP OF CONCRETE RAMP ALONG BASELINE, EXCEPT ELEVATIONS IN () WHICH ARE TO THE TOP EDGE OF CONCRETE 8" - 8.81' RT.)



PROFILE - HANDICAPPED RAMP ALONG BASELINE
SCALE: 1" = 10' VERT. & 1" = 20' HORIZ.

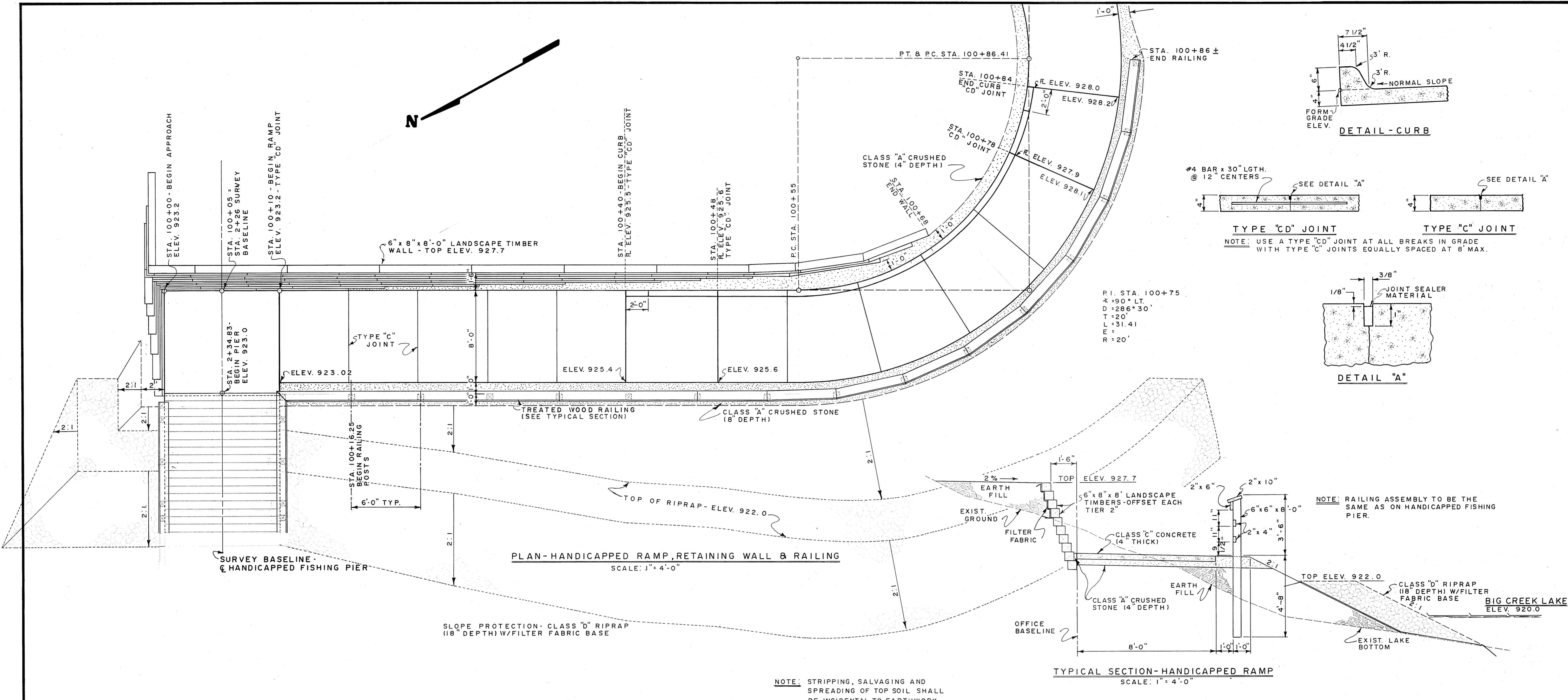


FIELD BOOK NO. 77-89 B 92 DATE OF SURVEY 1/2/88
BENCH MARK T.B.M. - SPILLWAY CREST ELEVATION ELEV. 920.0

IOWA DEPARTMENT OF NATURAL RESOURCES
CONSTRUCTION SERVICES BUREAU

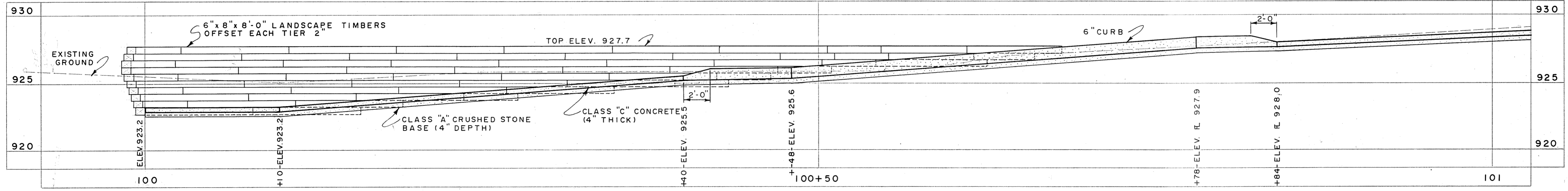
BIG CREEK LAKE
POLK COUNTY

DRAWN BY A.S.B.	PLAN, PROFILE AND TYPICAL SECTION PROP HANDICAPPED ACCESS RAMP TO PIER	PROJECT NO. FI-8612
DATE 11/1/88		SCALE SHOWN
CHIEF ENGINEER	DATE	
BUREAU CHIEF	DATE	
DIV. ADMINISTRATOR	DATE	
DIRECTOR	DATE	



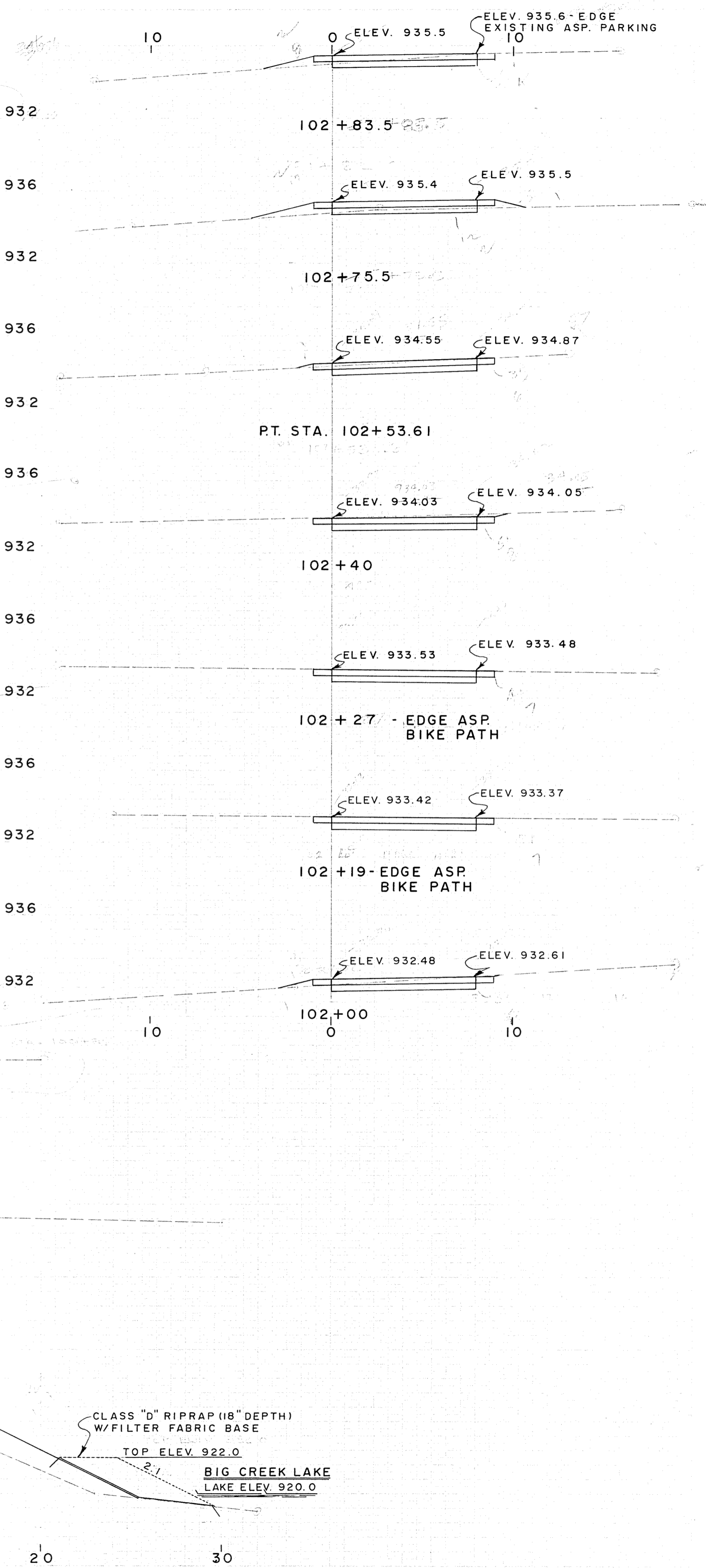
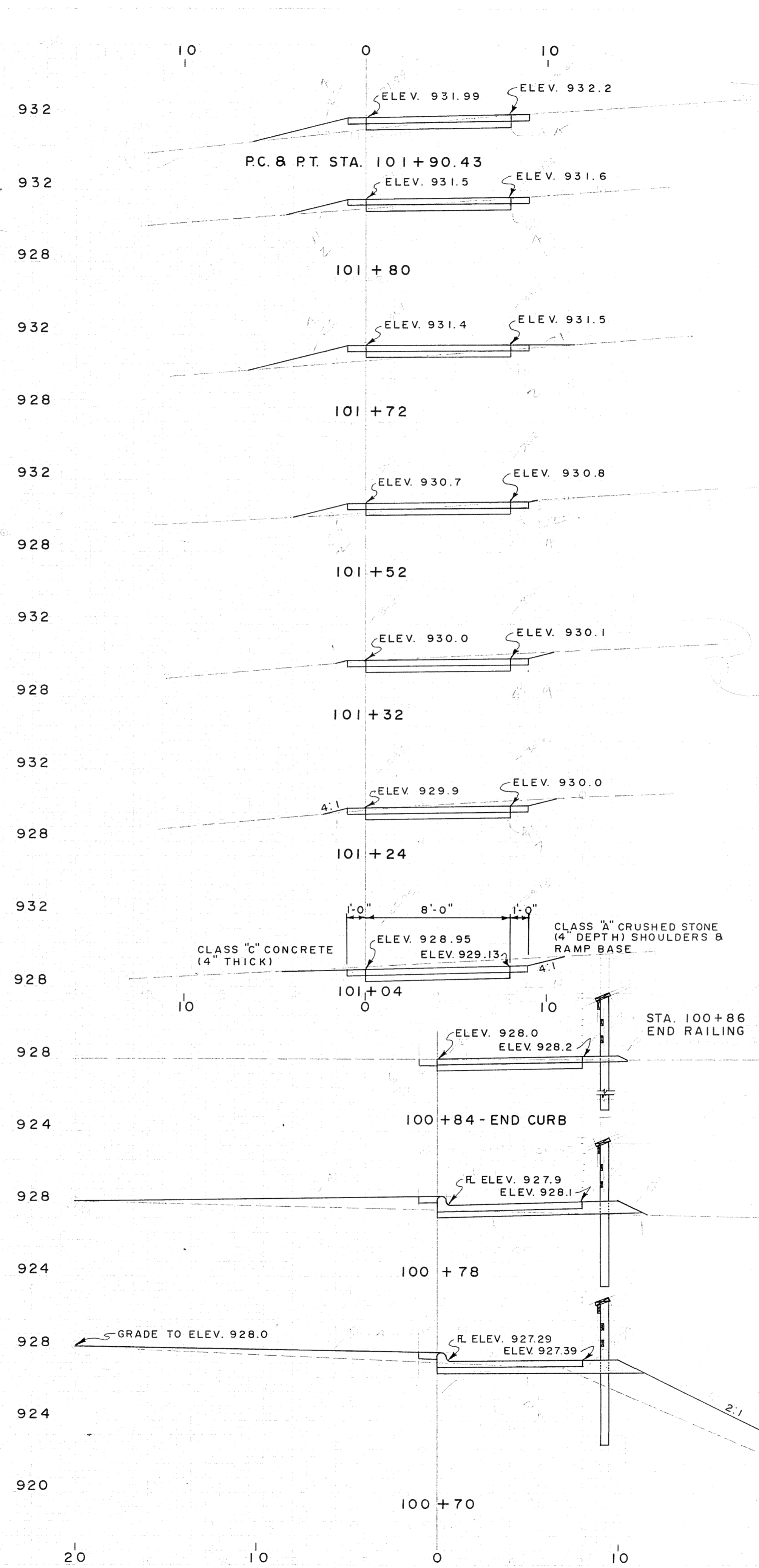
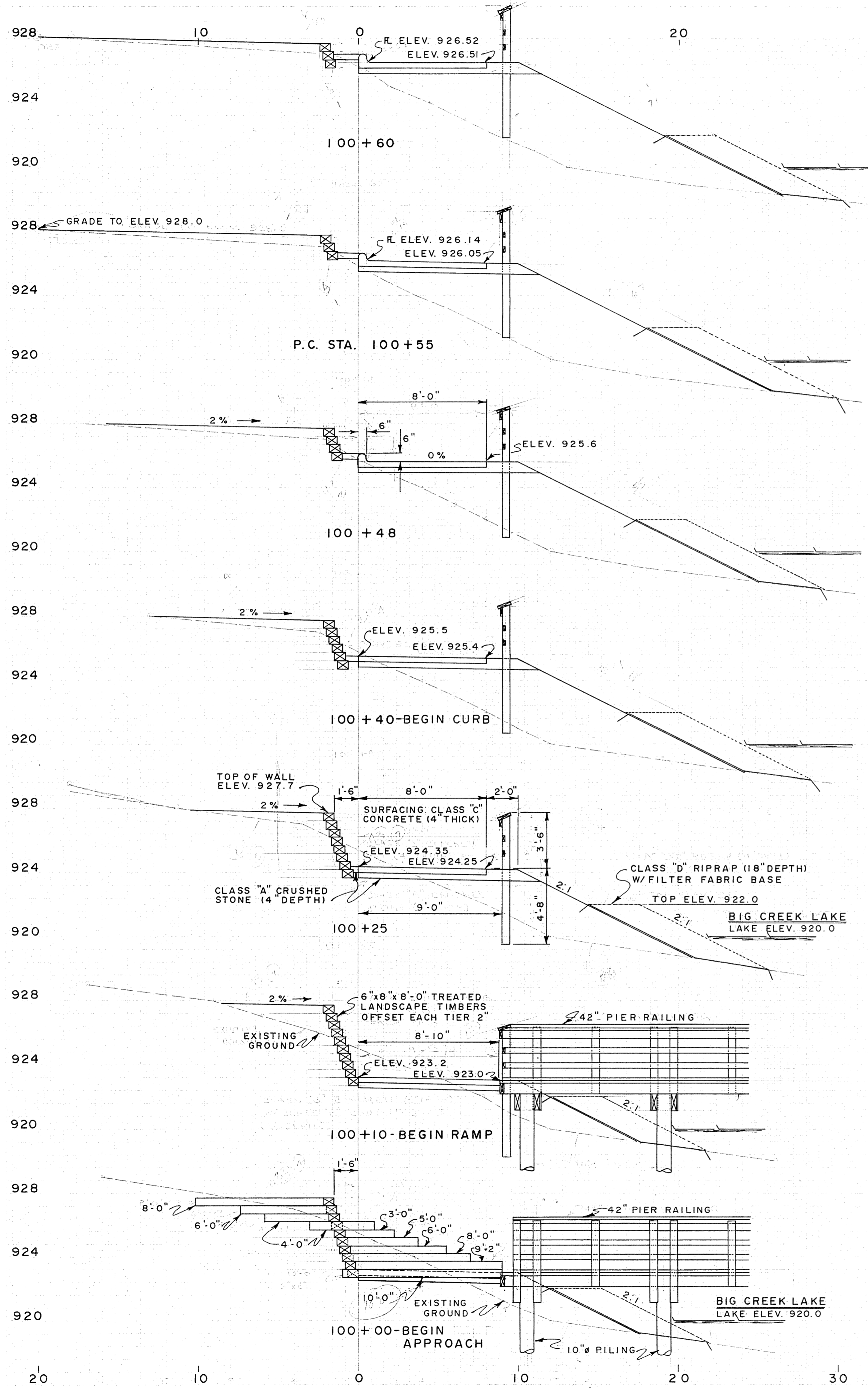
NOTE: ELEVATIONS GIVEN ARE TO TOP OF SLAB

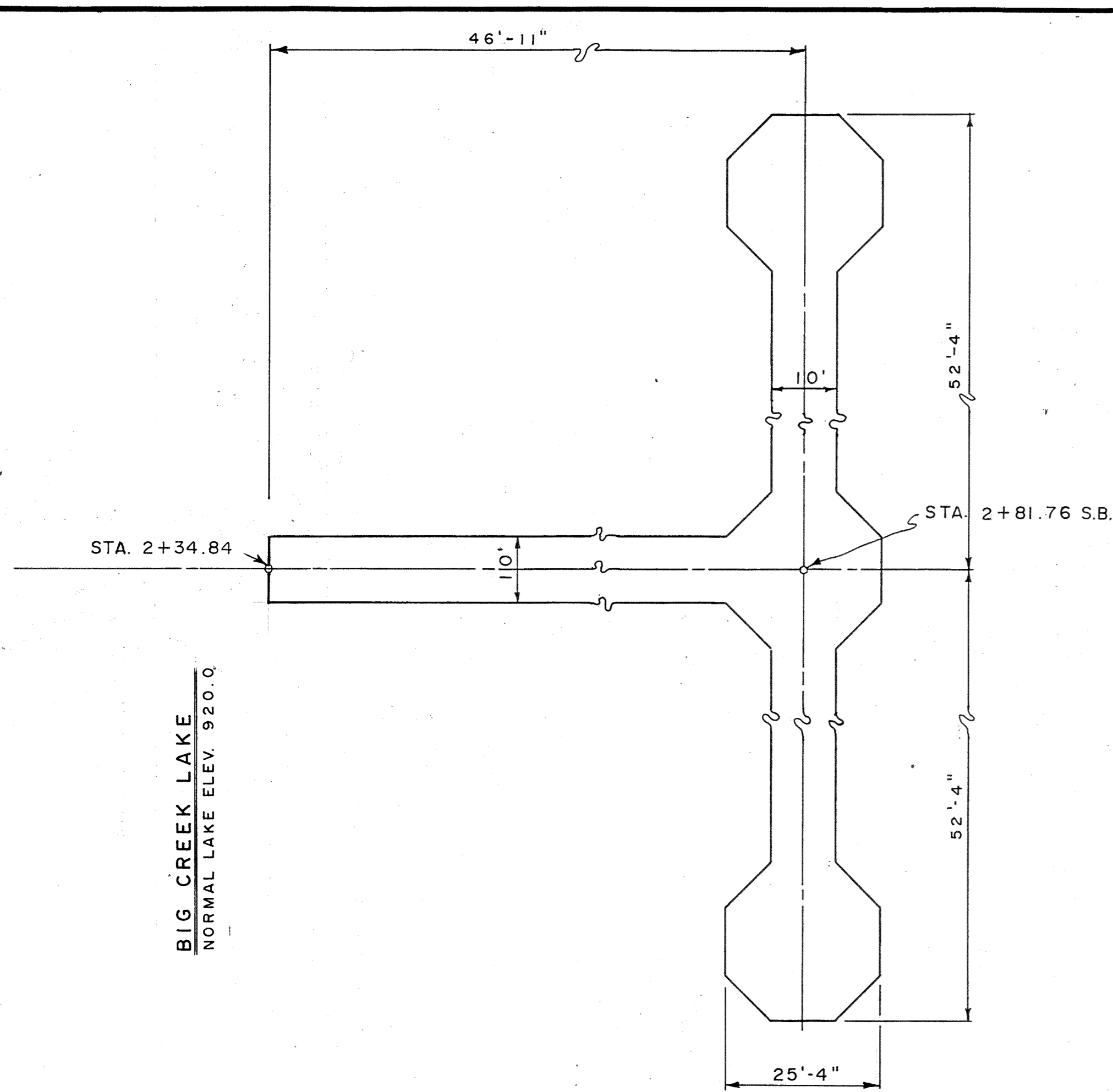
NOTE: STRIPPING, SALVAGING AND SPREADING OF TOP SOIL SHALL BE INCIDENTAL TO EARTHWORK



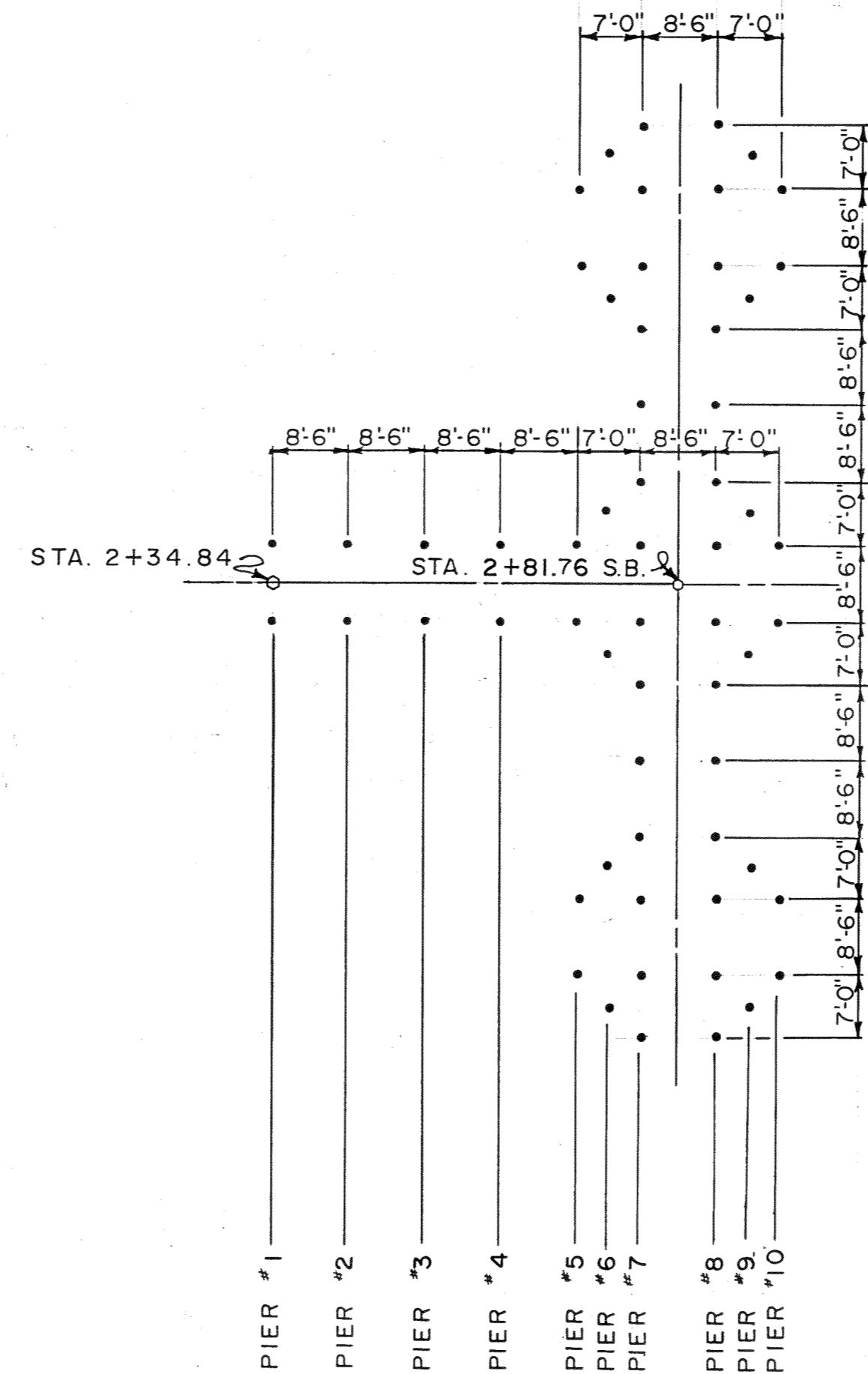
PROFILE - HANDICAPPED RAMP-RETAINING WALL ALONG BASELINE
SCALE: 1" = 4'-0"

PLAN, PROFILE & TYPICAL SECTION -
TITLE HANDICAPPED RAMP & RETAINING WALL DRAWN BY A.S.B. DATE 11/1/88
PROJECT BIG CREEK LAKE COUNTY POLK PROJ. NO. FI-8612

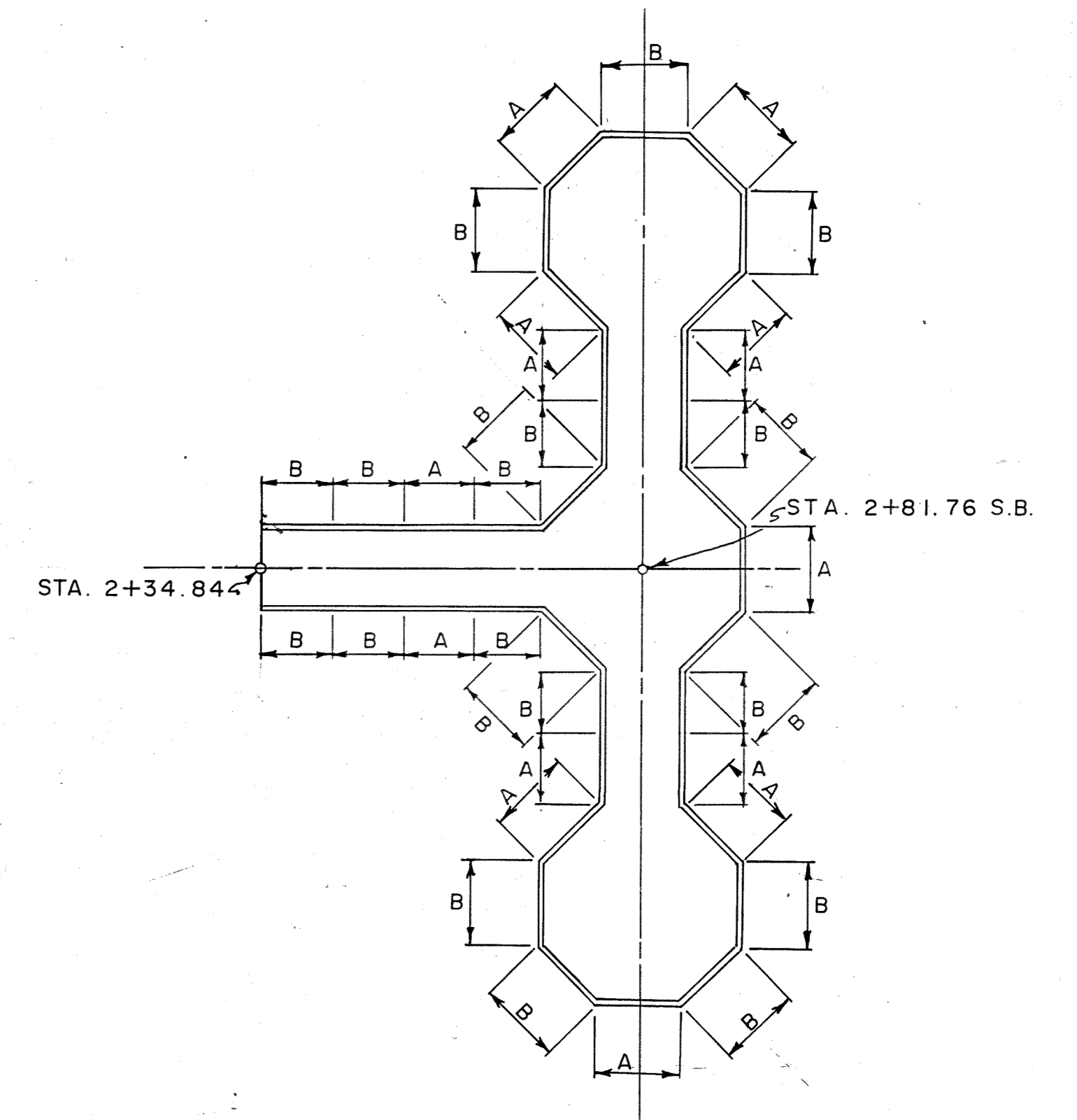




PLAN - HANDICAPPED FISHING PIER

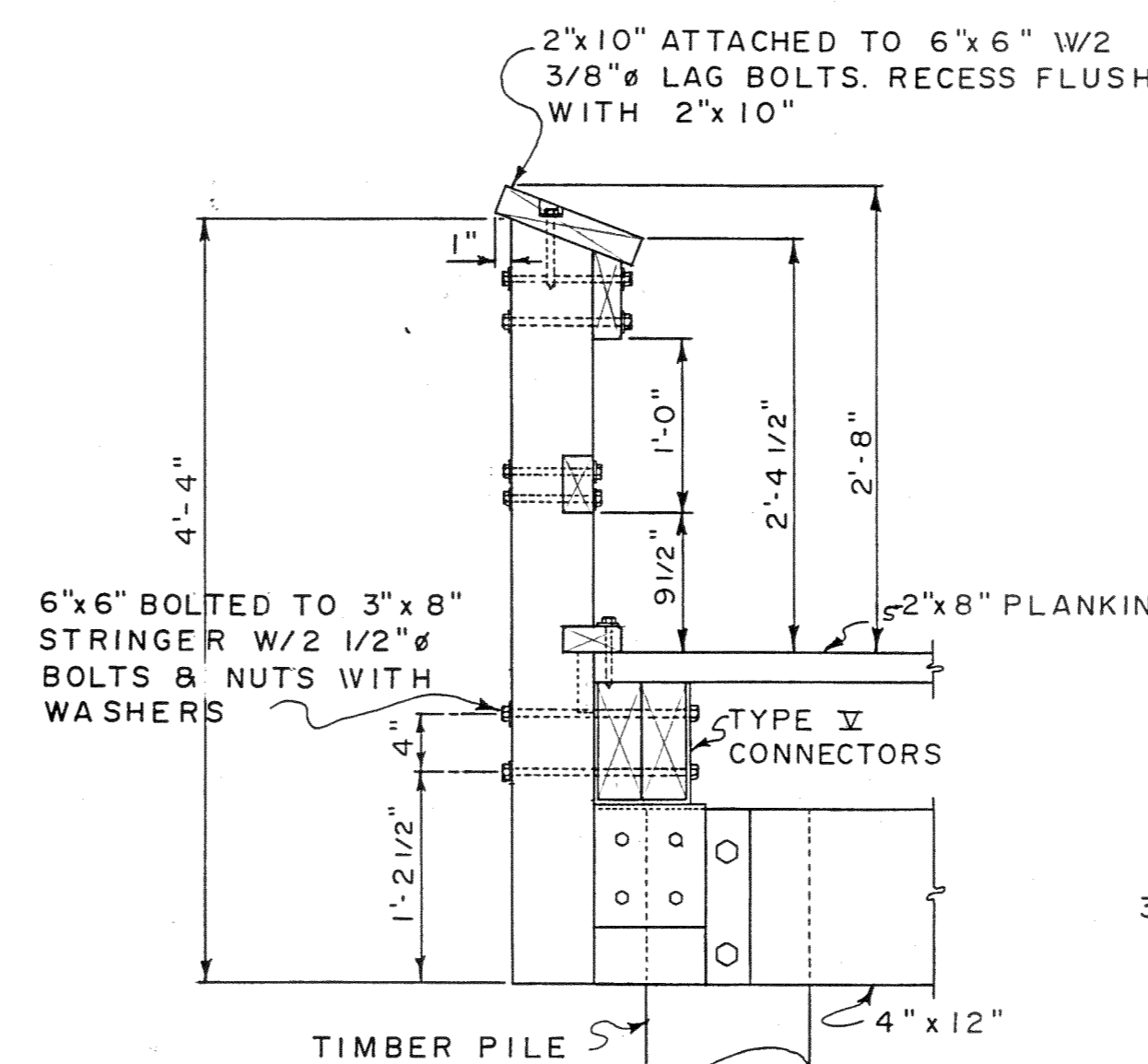


PLAN - PILING LOCATIONS

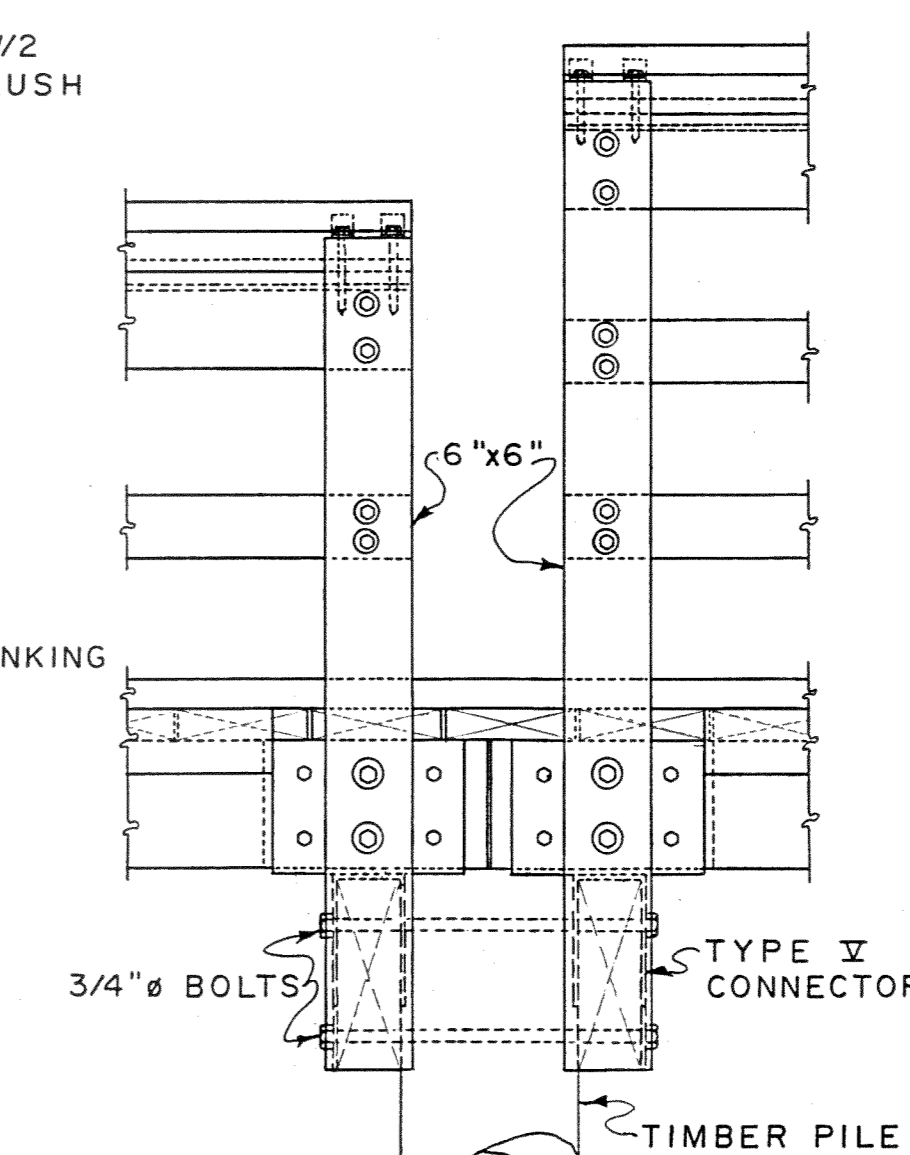


PLAN - HANDRAIL LOCATIONS

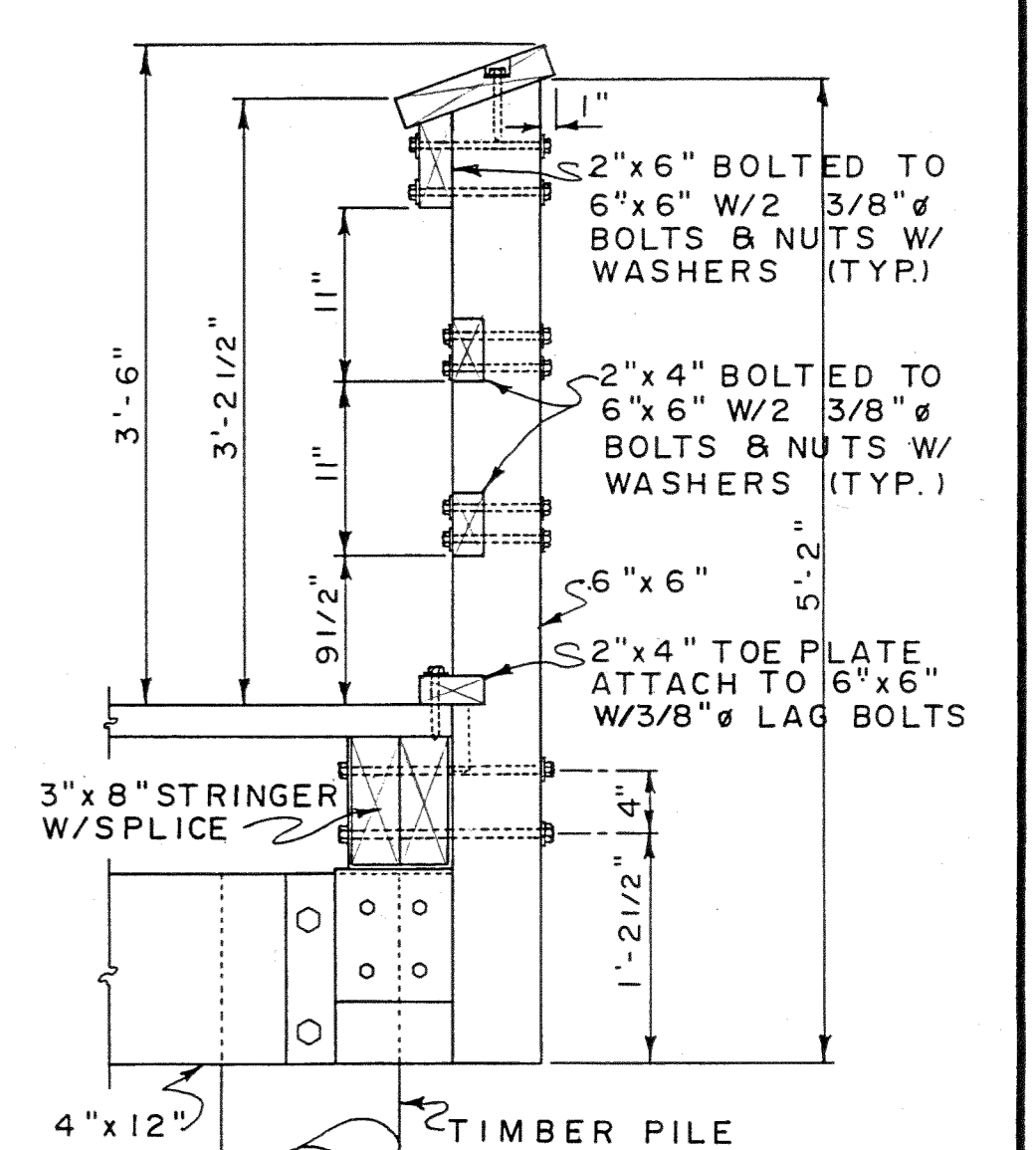
ESTIMATED PILING LENGTHS			
PIER NUMBER	DIAMETER	LENGTH	NO. REQ'D.
#1-#4	10"ø	10'	8
		15'	
#5-#7	11"ø	20'	26
		25'	
#8-#10	12"ø	30'	26
		35'	
	13"ø	40'	
		45'	
		50'	
		55'	
		60'	



SECTION
HANDRAIL TYPE "A"
SCALE: 1"=1'-0"

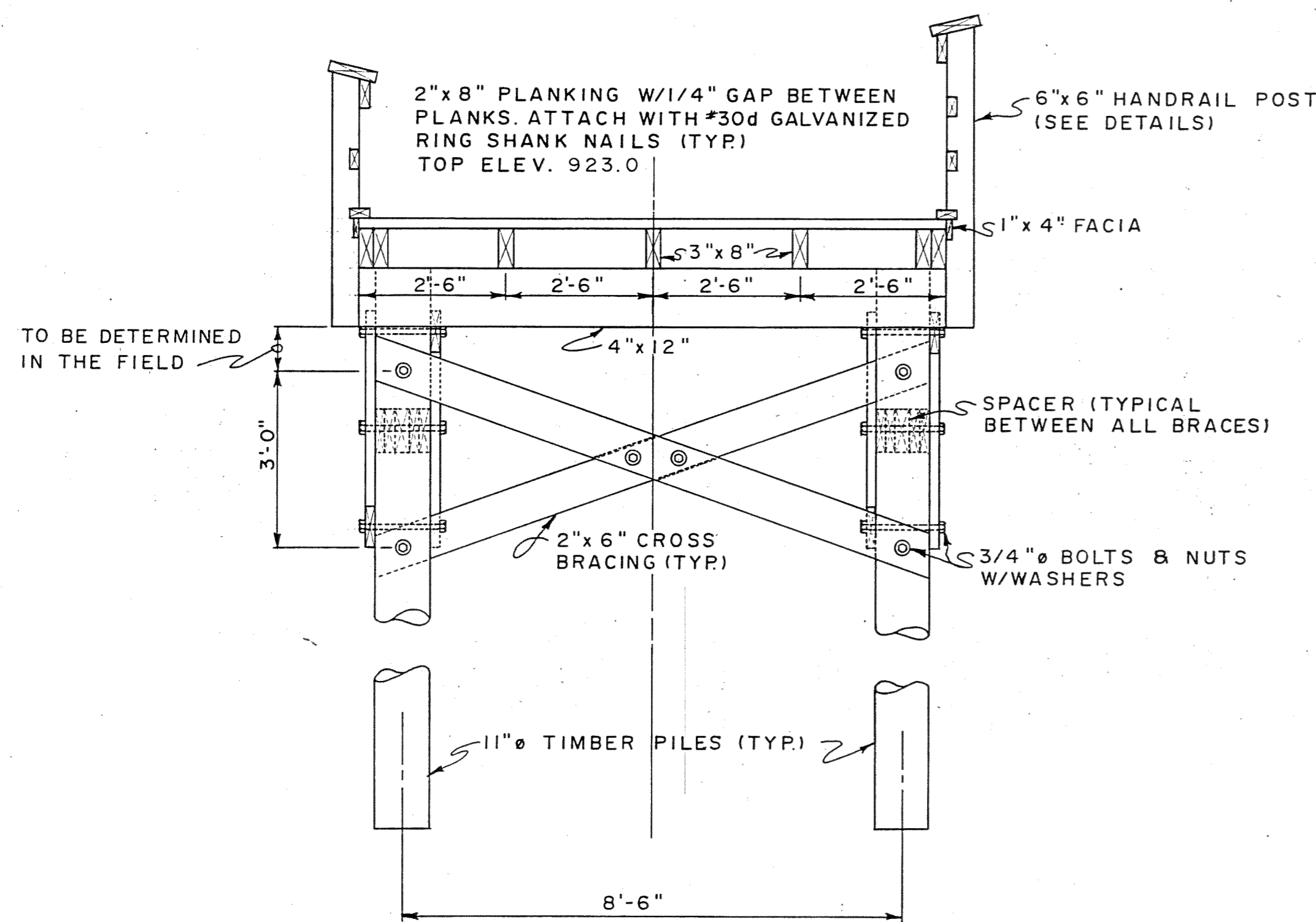


ELEVATION
HANDRAIL TYPE "A" & "B"
SCALE: 1"=1'-0"

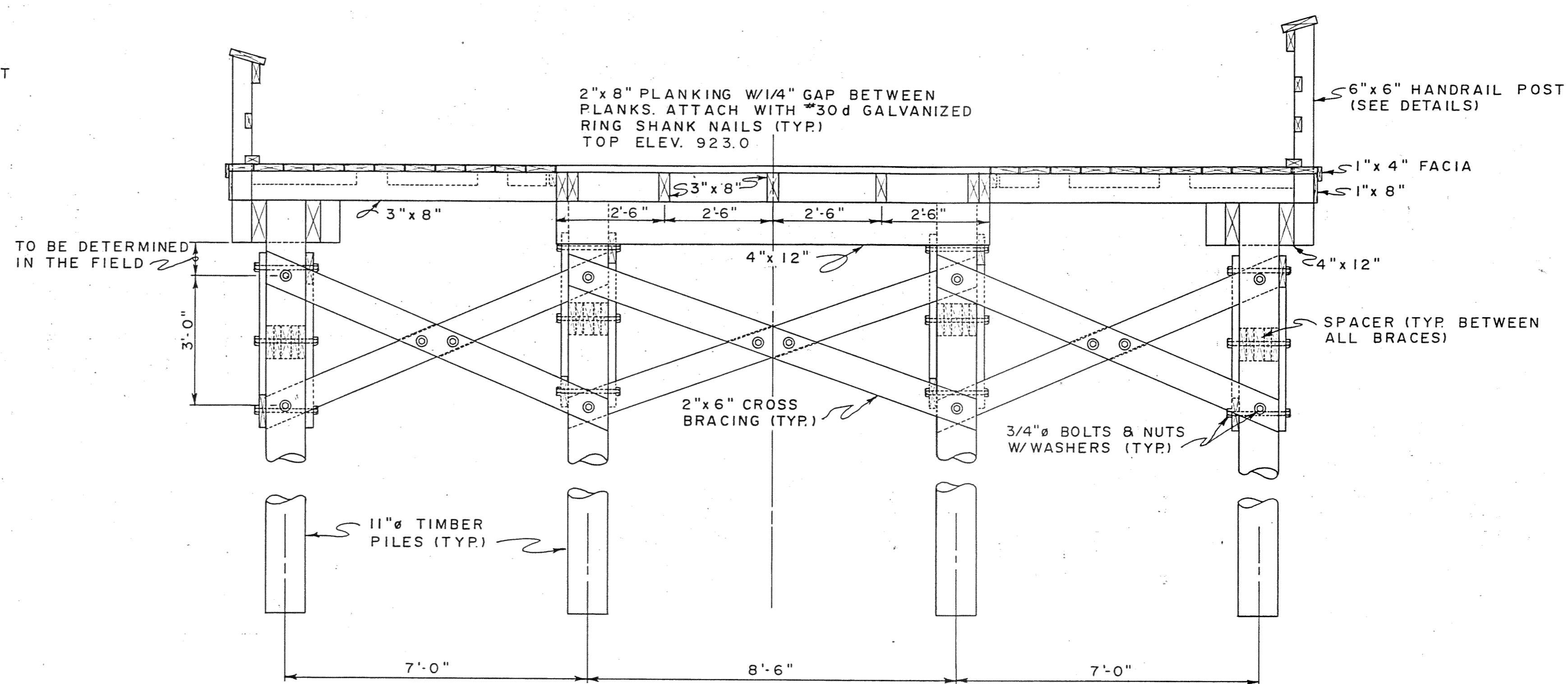


SECTION
HANDRAIL TYPE "B"
SCALE: 1"=1'-0"

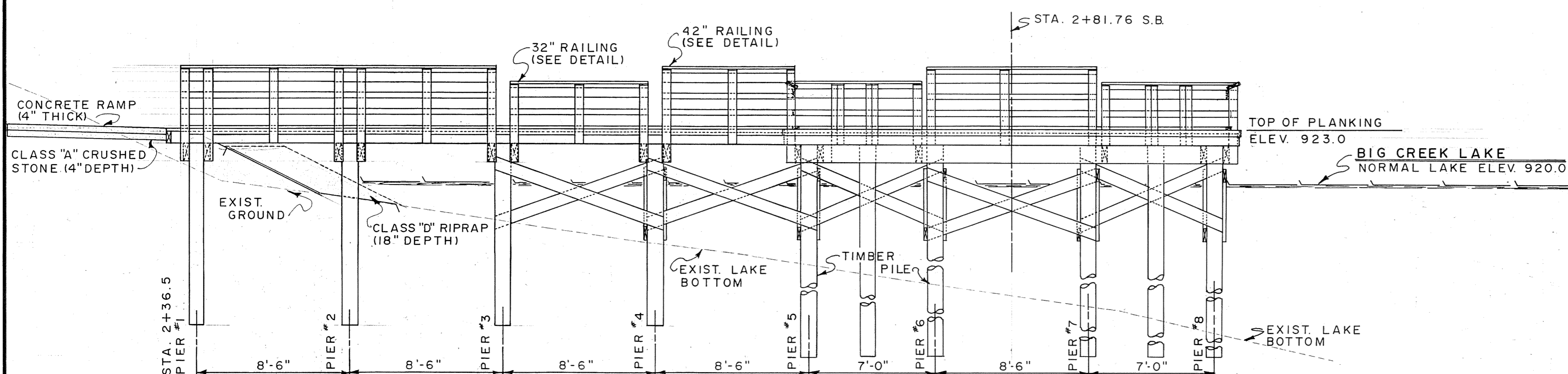
DETAILS & PLAN LOCATIONS OF
HANDRAILS & PILINGS FOR PROP.
HANDICAPPED FISHING PIER
PROJECT BIG CREEK LAKE COUNTY POLK PROJ. NO. F1-8612
DRAWN BY A.S.B. DATE 8/8/88



TYPICAL SECTION
FISHING PIER
SCALE: 1/2" = 1'-0"

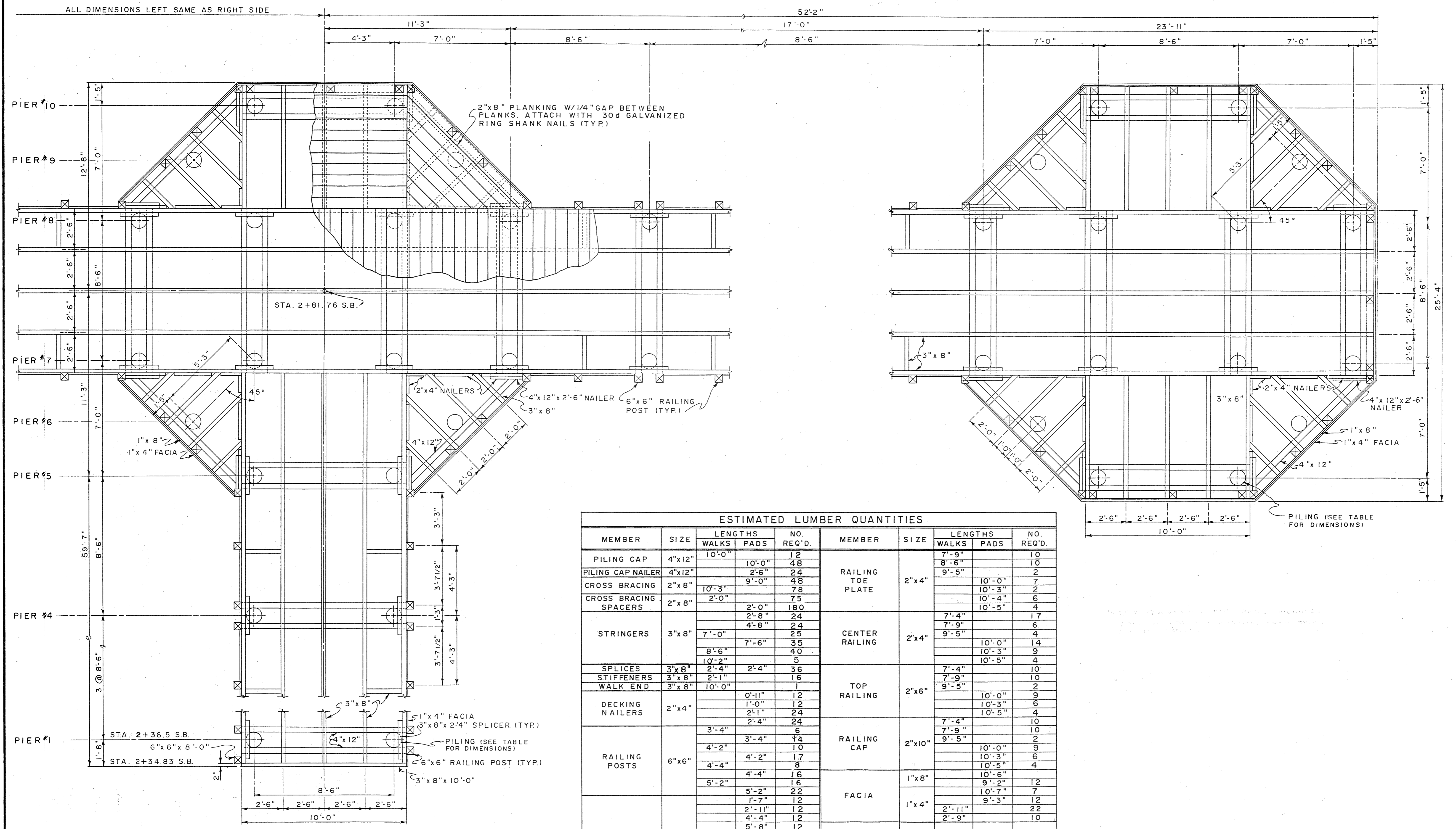


TYPICAL SECTION
FISHING PIER PAD
SCALE: 1/2" = 1'-0"



ELEVATION-HANDICAPPED FISHING PIER
SCALE: 1/4" = 1'-0"

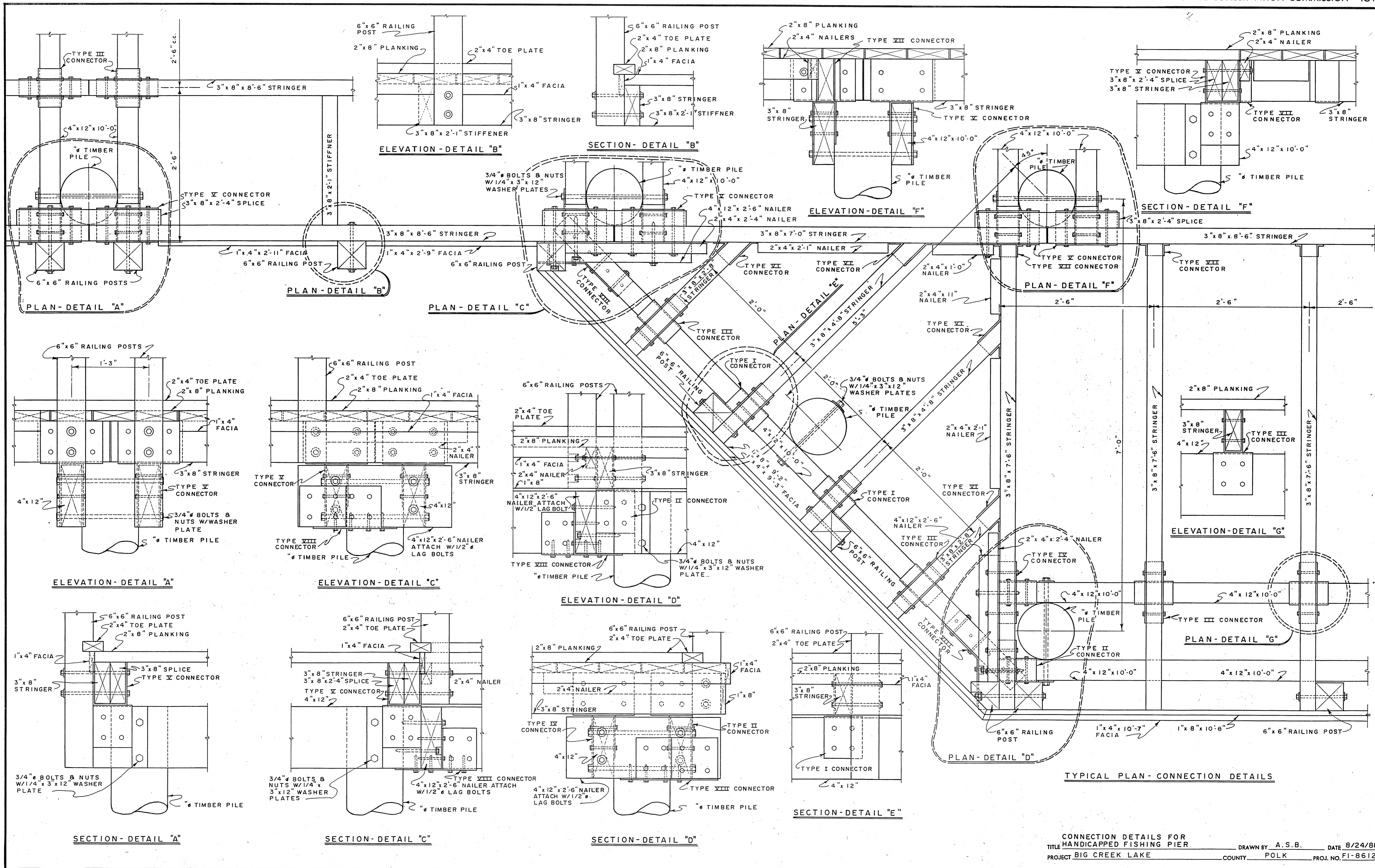
TYPICAL SECTIONS & ELEVATION
TITLE HANDICAPPED FISHING PIER DRAWN BY A.S.B. DATE 8/8/88
PROJECT BIG CREEK LAKE COUNTY POLK PROJ. NO. FI-8612



FRAMING PLAN
HANDICAPPED FISHING PIER
 SCALE: 3/8" = 1'-0"

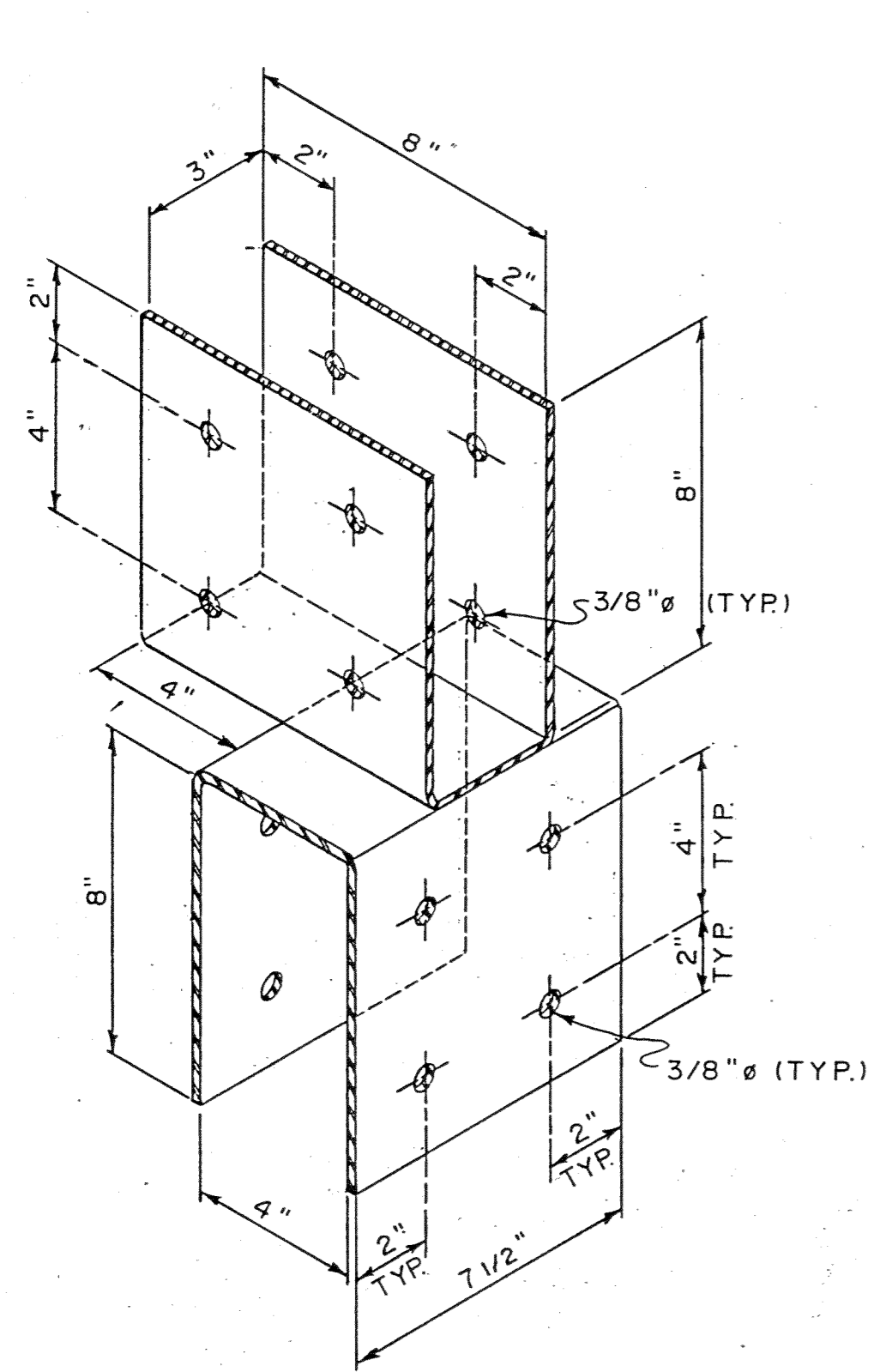
ESTIMATED LUMBER QUANTITIES										
MEMBER	SIZE	LENGTHS		NO. REQ'D.	MEMBER	SIZE	LENGTHS		NO. REQ'D.	
		WALKS	PADS				WALKS	PADS		
PILING CAP	4"x12"	10'-0"		12	RAILING TOE PLATE	2"x4"	7'-9"		10	
PILING CAP NAILER	4"x12"		10'-0"	48			8'-6"		10	
CROSS BRACING	2"x8"		2'-6"	24			9'-5"		2	
CROSS BRACING SPACERS	2"x8"	10'-3"		48		10'-0"		7		
STRINGERS	3"x8"	2'-0"	2'-0"	78	CENTER RAILING	2"x4"	10'-3"		2	
				75			10'-4"		6	
				180			10'-5"		4	
				24			7'-4"		17	
				24			7'-9"		6	
SPLICES	3"x8"	2'-4"	2'-4"	36		10'-0"		14		
STIFFENERS	3"x8"	2'-1"		16		10'-3"		9		
DECKING NAILERS	2"x4"	10'-0"		5	TOP RAILING	2"x6"	10'-5"		4	
				1			7'-4"		10	
				12			7'-9"		10	
				12			9'-5"		2	
RAILING POSTS	6"x6"			1	RAILING CAP	2"x10"	10'-0"		9	
				12			7'-9"		10	
				12			9'-5"		2	
				24			7'-4"		10	
				24			7'-9"		10	
PIER DECKING	2"x8"			6	FACIA	1"x8"	10'-0"		9	
				4			10'-3"		6	
				10			10'-5"		4	
				17			7'-4"		10	
				8			7'-9"		10	
PIER DECKING	2"x8"			16	FACIA	1"x4"	10'-6"		12	
				16			9'-2"		7	
				22			10'-7"		12	
				12			9'-3"		12	
				12			2'-11"		22	
				12			2'-9"		10	
				12			7'-1"			
				12			8'-6"			
				12			9'-9"			
				12			10'-0"			
			176							
			93							
			12							

FRAMING PLAN & LUMBER QUANTITIES
 TITLE HANDICAPPED FISHING PIER DRAWN BY A.S.B. DATE 8/8/88
 PROJECT BIG CREEK LAKE COUNTY POLK PROJ. NO. FI-8612

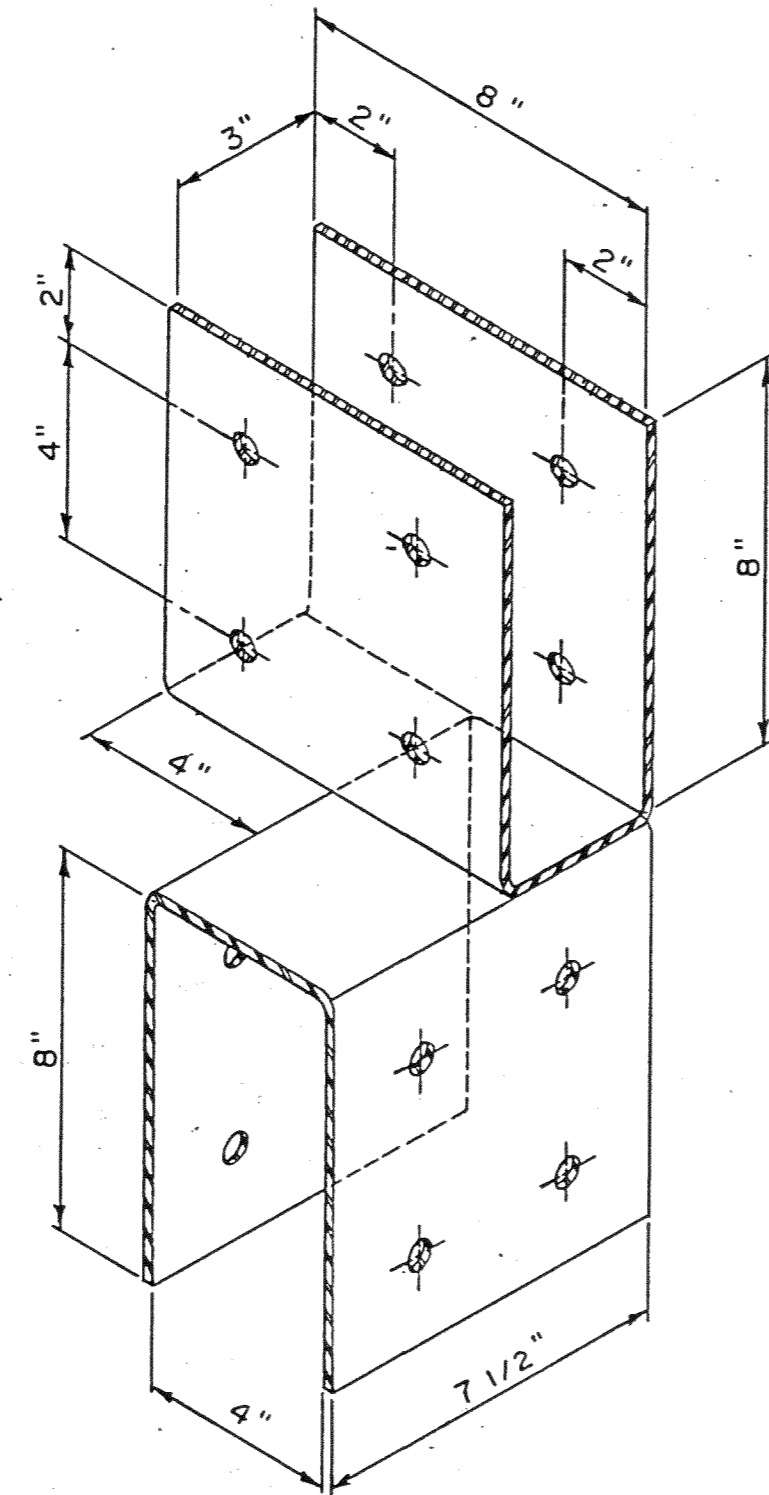


CONNECTION DETAILS FOR
 TITLE HANDICAPPED FISHING PIER
 PROJECT BIG CREEK LAKE

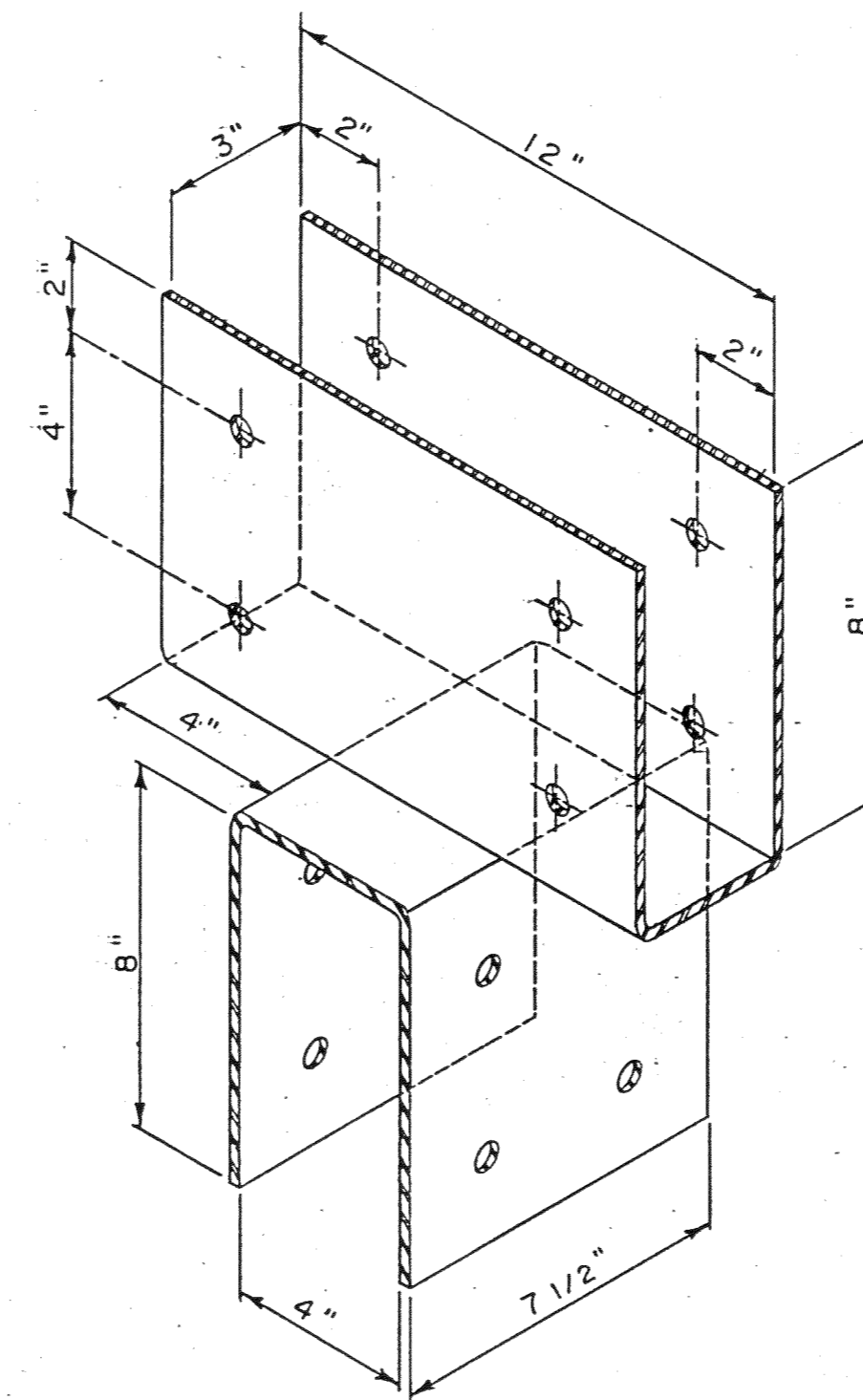
DRAWN BY A.S.B.
 COUNTY POLK
 DATE 8/24/88
 PROJ. NO. FI-8612



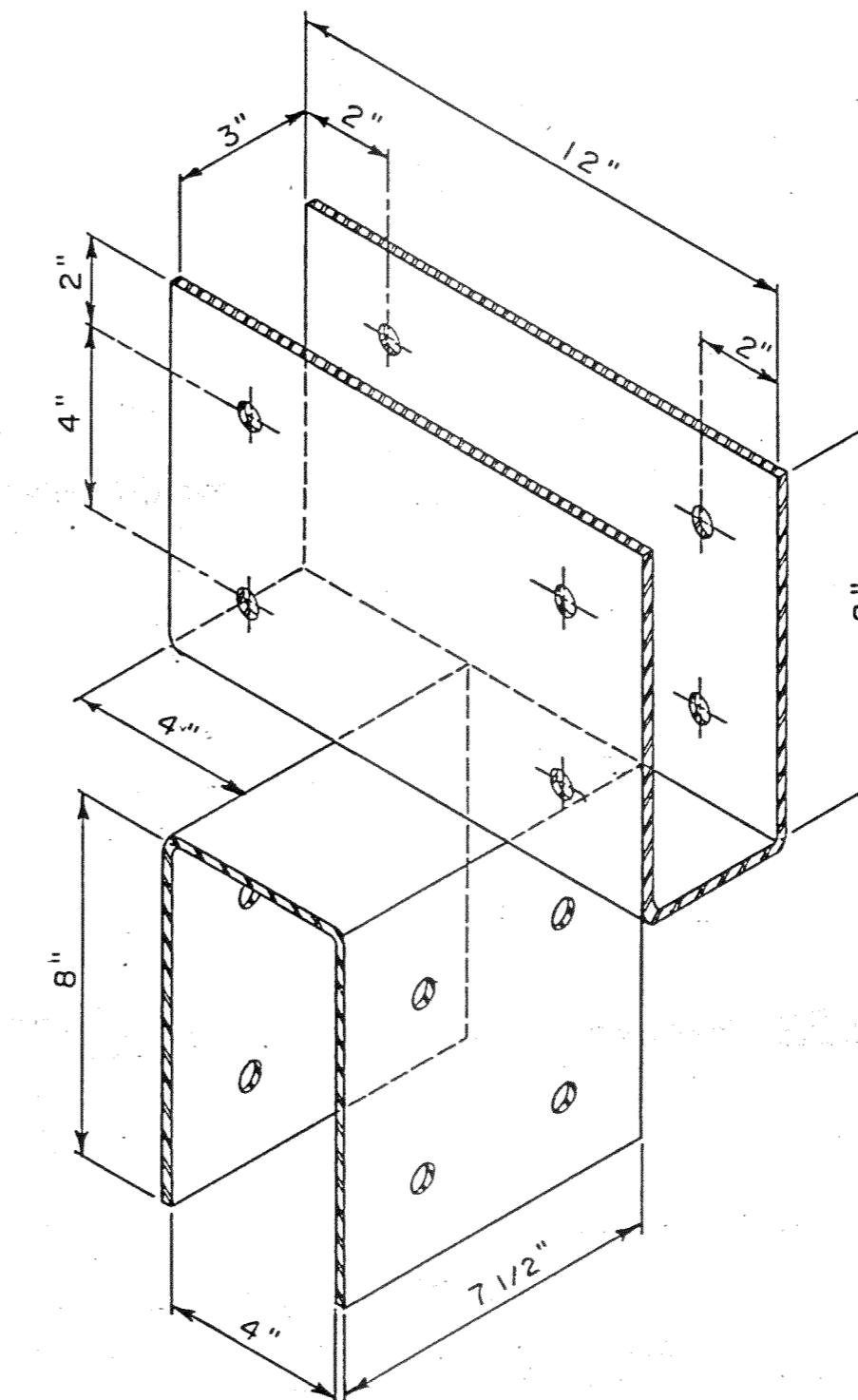
CONNECTOR TYPE I



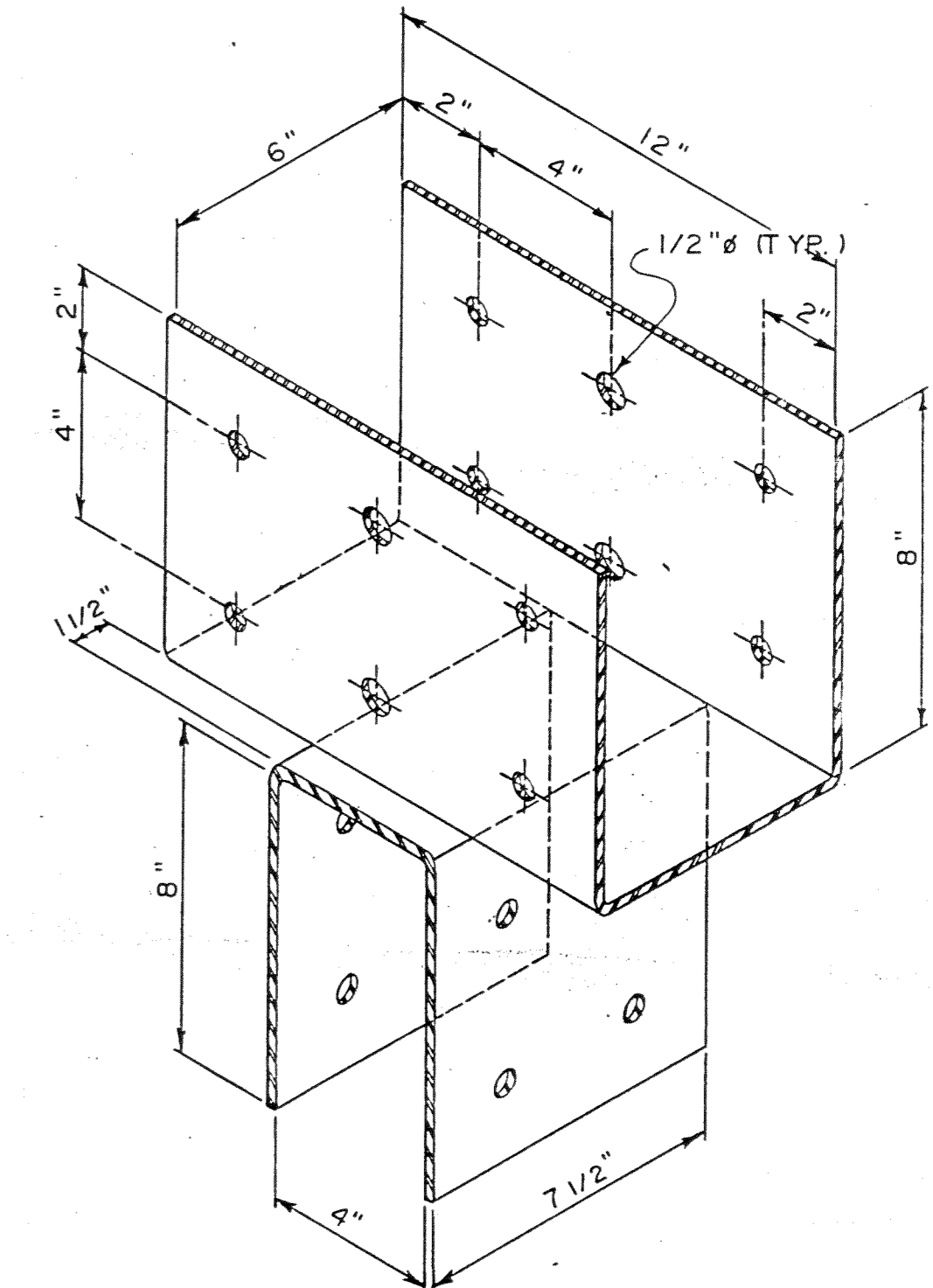
CONNECTOR TYPE II
LEFT & RIGHT REQUIRED



CONNECTOR TYPE III



CONNECTOR TYPE IV

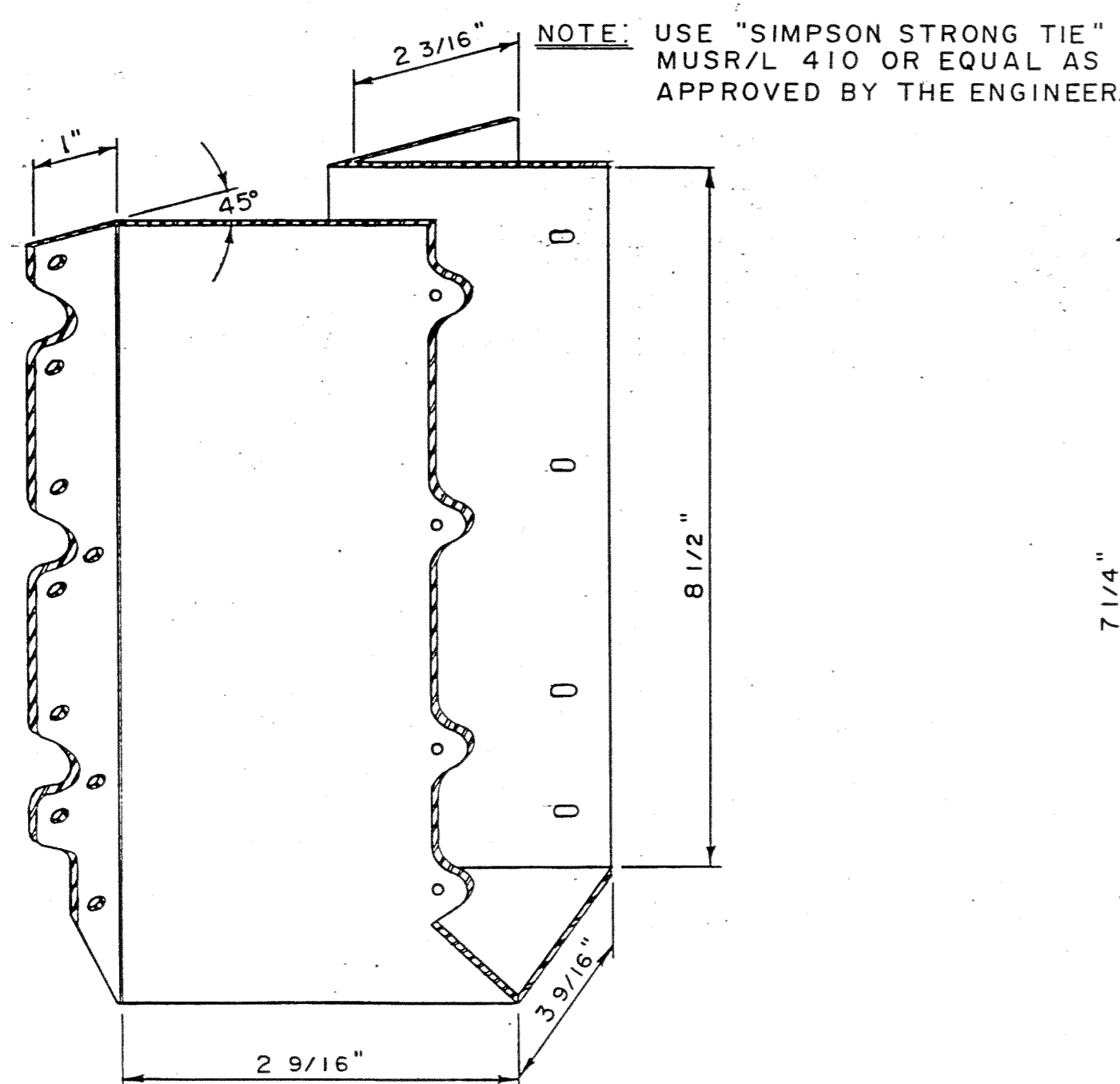


CONNECTOR TYPE V

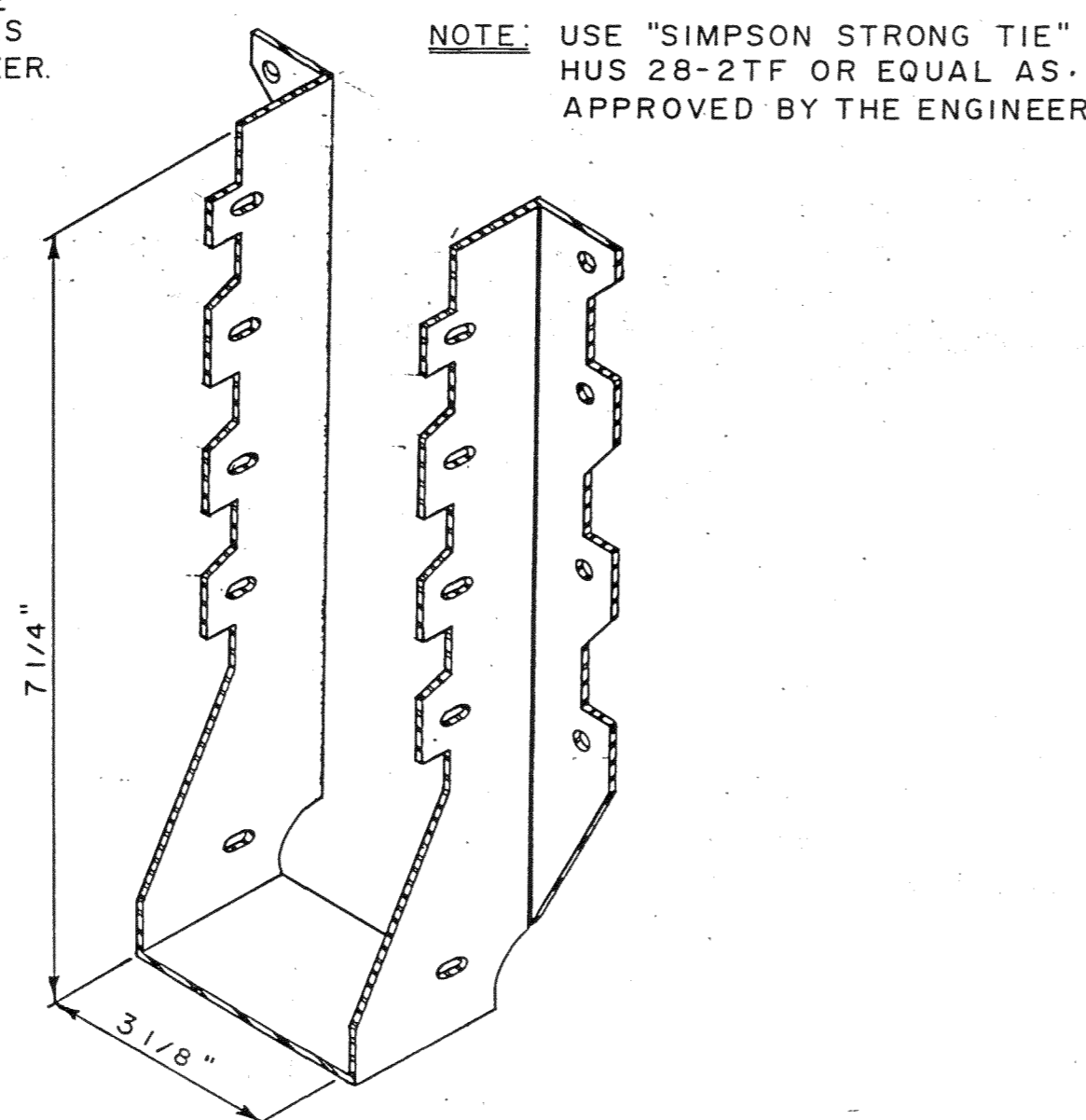
NOTES

1. ALL CONNECTORS SHALL BE ZINC COATED TO MEET THE REQUIREMENTS OF ASTM A-153 FOR CLASS B MATERIAL.
2. ALL CONNECTORS SHALL BE FABRICATED FROM 1/4" STEEL PLATE MEETING THE REQUIREMENTS OF ASTM A 36.

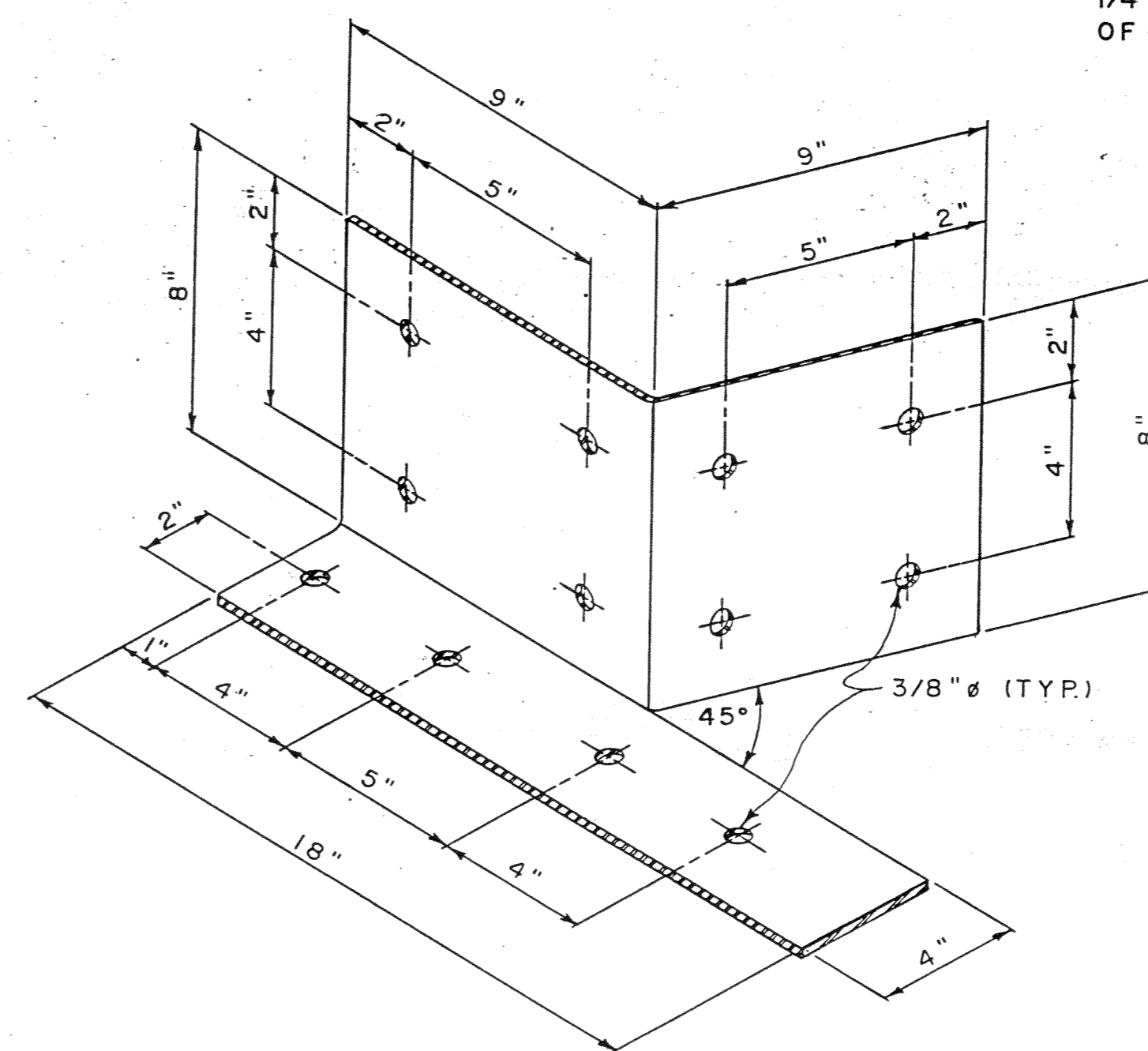
CONNECTOR SCHEDULE				
TYPE	WALKWAYS	CEN. PAD	END PADS	TOTAL
I		8	8 ea.	24
II L.		1	3 ea.	7
II R.		1	3 ea.	7
III	6 @ 6x36	41	35 ea.	147
IV		2	6 ea.	14
V	6 @ 4x24	20	12 ea.	68
VI L.		8	8 ea.	24
VI R.		8	8 ea.	24
VII	3	10	10 ea.	33
VIII L.		4	4 ea.	12
VIII R.		4	4 ea.	12



CONNECTOR TYPE VI
LEFT & RIGHT REQUIRED



CONNECTOR TYPE VII



CONNECTOR TYPE VIII
LEFT & RIGHT REQUIRED

IOWA DEPARTMENT OF NATURAL RESOURCES
CONSTRUCTION SERVICES BUREAU

BIG CREEK LAKE
POLK COUNTY

DRAWN BY A.S.B.	STANDARD DRAWING HANDICAPPED FISHING PIER CONNECTORS	PROJECT NO. FI-8612
DATE 7/29/88		SCALE SHOWN
CHIEF ENGINEER		DATE
BUREAU CHIEF		DATE
DIV. ADMINISTRATOR		DATE
DIRECTOR		DATE