

City of Owosso

James S. Miner Launch Project

Shiawassee County, Michigan

VICINITY MAP



UTILITY INFORMATION

THE EXISTING UTILITIES SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN LOCATED FROM UTILITY RECORD DRAWINGS. ACTUAL UTILITY LOCATIONS MAY VARY FROM WHAT IS SHOWN. ALL UTILITIES TO BE FIELD VERIFIED BY UTILITY OWNER PRIOR TO CONSTRUCTION.

CABLE TV:
 CHARTER COMMUNICATIONS
 ATTN: MARK KELLY
 1480 S. VALLEY CENTER DRIVE
 BAY CITY, MI 48706
 PHONE: (989) 233-9404
 EMAIL: MARK.KELLY@CHARTERCOM.COM

TELEPHONE:
 FRONTIER COMMUNICATIONS CORP.
 ATTN: MARK STEVENS
 1943 W. M-21
 OWOSSO, MI 48867
 PHONE: (989) 723-0373
 EMAIL: MARK.STEVENS@FTR.COM

INTERNET:
 DAYSTARR COMMUNICATIONS
 ATTN: BRENT KLEIN
 307 N. BALL STREET
 OWOSSO, MI 48867
 PHONE: (989) 720-6060
 EMAIL: BRENT.KLEIN@DAYSTARRFIBER.NET

SANITARY SEWER AND WATER:
 CITY OF OWOSSO
 ATTN: RYAN SUCHANEK
 301 W. MAIN ST. - CITY HALL
 OWOSSO, MI 48867
 PHONE: (989) 725-0550
 EMAIL: RYAN.SUCHANEK@CI.OWOSSO.MI.US

WALKWAY AND LIGHTS:
 CITY OF OWOSSO
 ATTN: CLAYTON WEHNER
 301 W. MAIN ST. - CITY HALL
 OWOSSO, MI 48867
 PHONE: (989) 725-0551
 EMAIL: CLAYTON.WEHNER@CI.OWOSSO.MI.US

ELECTRIC:
 CONSUMERS ENERGY
 ATTN: TRACY MAHAR
 1801 W. MAIN STREET
 OWOSSO, MI 48867
 PHONE: (989) 729-3250
 EMAIL: TMMAHAR@CMSENERGY.COM

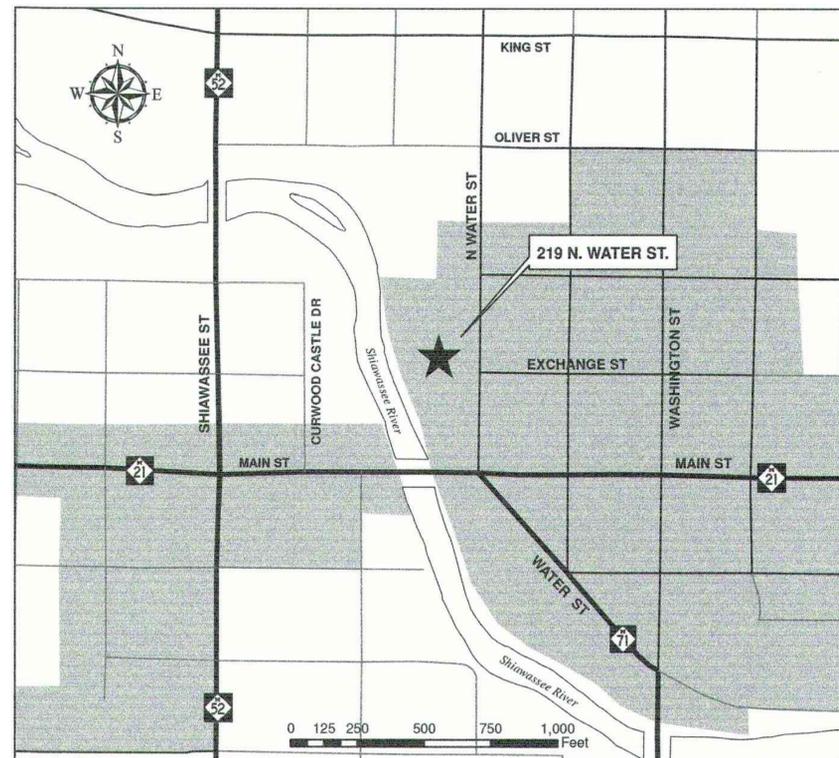
GAS:
 CONSUMERS ENERGY
 ATTN: ADAM BERTRAM
 530 W. WILLOW ST.
 LANSING, MI 48906
 PHONE: (517) 374-2375
 EMAIL: ADAM.BERTRAM@CMSENERGY.COM

SOIL EROSION AND SEDIMENTATION CONTROL:
 SHIAWASSEE COUNTY HEALTH DEPARTMENT
 ATN: STEVE ALWORDEN
 201 N. SHIAWASSEE STREET
 CORUNNA, MI 48817
 PHONE: (989) 743-2289
 EMAIL: SALWORDEN@SHIAWASSEECHD.NET

SHEET LIST

- 1 COVER SHEET
- 2 EXISTING ELEVATIONS PLAN VIEW
- 3 CONSTRUCTION PLAN VIEW
- 4 DETAIL SHEET

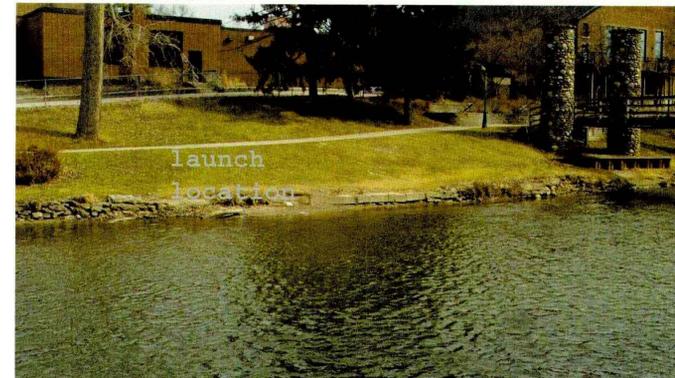
LOCATION MAP



VIEW NORTHEASTERLY:



VIEW TO THE EAST:



CITY OF OWOSSO, MICHIGAN
 ENGINEERING DIVISION
 DEPT. OF PUBLIC SERVICE

NO.	DATE	BY	REVISIONS	CHECKED BY	APPROVED BY
6	8/30/21	CW	EGLE PERMIT SUBMITTAL REVISION		
7	1/20/22	CW	ISSUED FOR BID		
			ORIGINAL PLAN		

BENCH MARK DATA	DESCRIPTION
ELEV.	

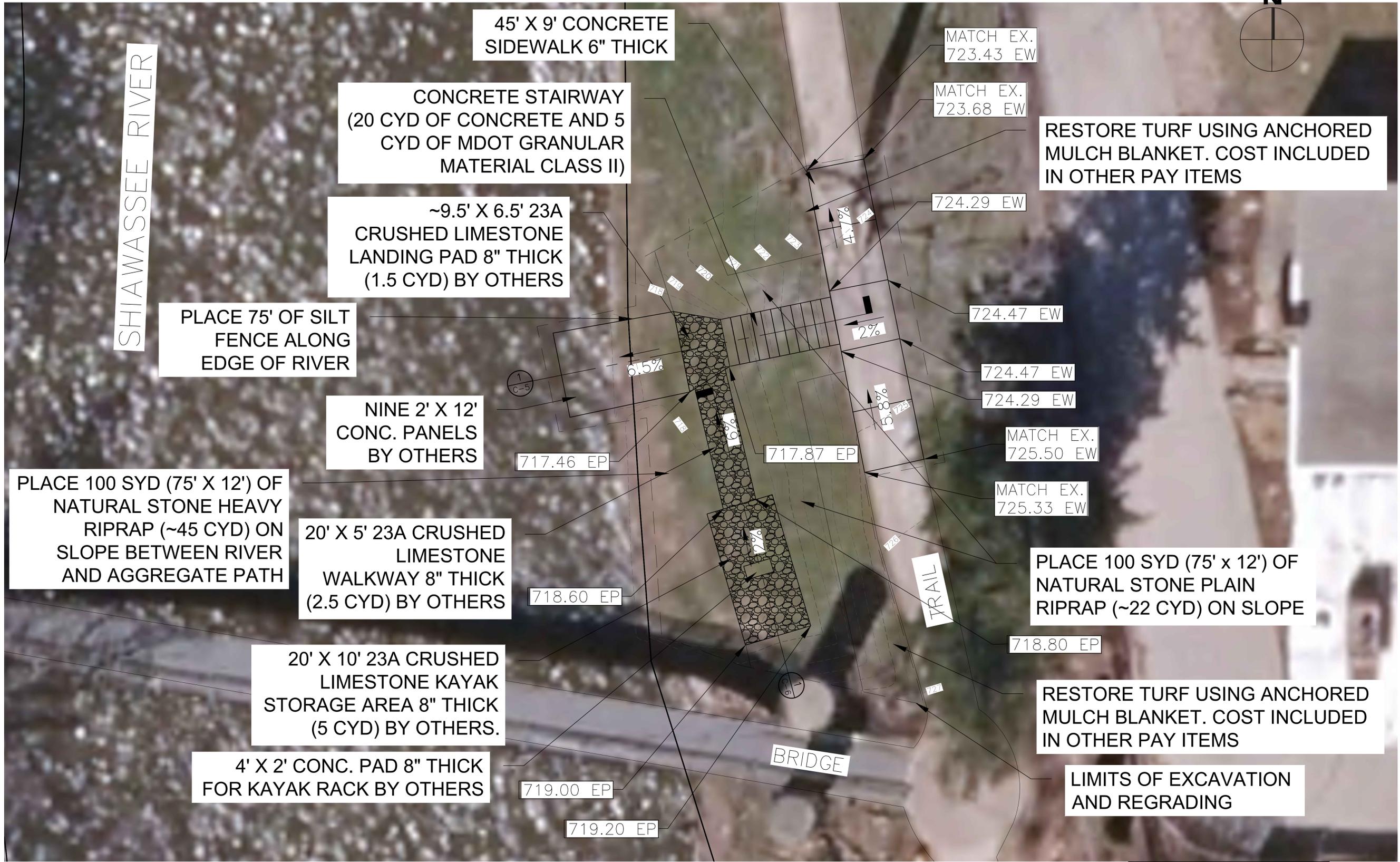
JAMES S. MINER LAUNCH PROJECT
 COVER SHEET
 AUGUST, 2022
 PROJECT NO. 1
 FIELD BOOK PG.

CONTRACT FOR: CONCRETE STAIRWAY AND CONCRETE SIDEWALK CONSTRUCTION



EXISTING ELEVATIONS AND EXISTING CONTOURS

JAMES S. MINER LAUNCH PROJECT EXISTING ELEVATIONS PLAN VIEW AUGUST, 2022 PROJECT NO.		FIELD BOOK PG.	
BENCH MARK DATA ELEV. DESCRIPTION		NO. REVISIONS 6 EGLE PERMIT SUBMITTAL REVISION 7 ISSUED FOR BID	
DATE	BY	DATE	BY
8/30/21	CW	1/20/22	CW
CHECKED BY:		APPROVED BY:	
ORIGINAL PLAN		ORIGINAL PLAN	
CITY OF OWOSSO, MICHIGAN ENGINEERING DIVISION DEPT. OF PUBLIC SERVICE			



EW = EDGE OF SIDEWALK
 EP = EDGE OF AGGREGATE PATH OR PAD

TOTAL 23A CRUSHED LIMESTONE BY OTHERS: 9 CYD
 TOTAL RIPRAP: 67 CYD

RESTORE TURF ALONG THE PERIMETER OF THE EXCAVATION AS DIRECTED BY THE ENGINEER. COST INCLUDED IN OTHER PAY ITEMS.

CONSTRUCTION QUANTITIES - THIS SHEET		
QUANTITY	UNIT	WORK ITEM
75	Ft	Erosion Control, Silt Fence
65	Cyd	Excavation, Earth
45	Syd	Sidewalk, Rem
405	Sft	Sidewalk, Conc, 6 inch
1	LSUM	Concrete Stairway
100	Syd	Riprap, Plain
100	Syd	Riprap, Heavy

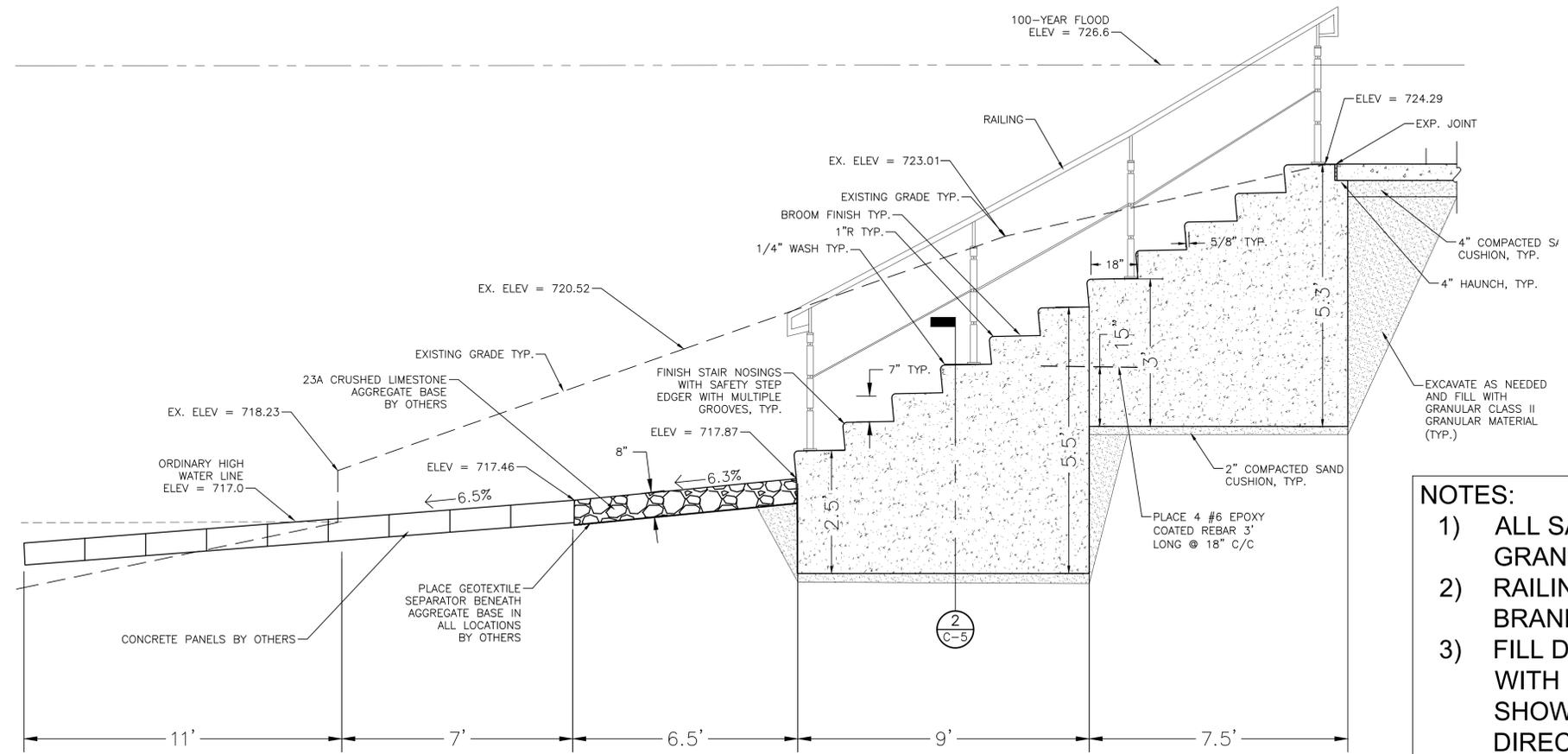
CITY OF OWOSO, MICHIGAN
 ENGINEERING DIVISION
 DEPT. OF PUBLIC SERVICE

NO.	DATE	BY	REVISIONS		APPROVED BY
			DESCRIPTION	DATE	
6	8/30/21	CW	EGLE PERMIT SUBMITTAL		
7	1/20/22	CW	ISSUED FOR BID		
			ORIGINAL PLAN		

JAMES S. MINER LAUNCH PROJECT
 CONSTRUCTION PLAN VIEW

AUGUST, 2022
 PROJECT NO. _____
 FIELD BOOK PG. _____

3



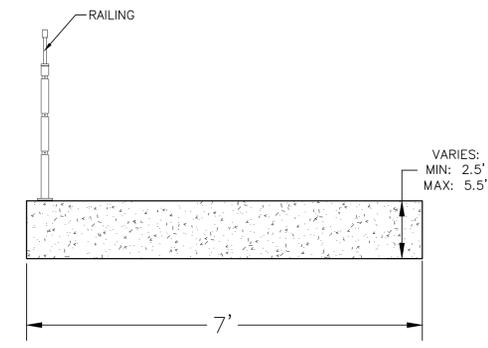
- NOTES:**
- 1) ALL SAND BEDDING SHALL BE MDOT GRANULAR MATERIAL, CLASS II
 - 2) RAILING SHALL BE HOLLAENDER BRAND
 - 3) FILL DISTURBED SHORE LINE AREAS WITH NATURAL STONE RIPRAP AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER

1 KAYAK LAUNCH SECTION
C-5 NO SCALE

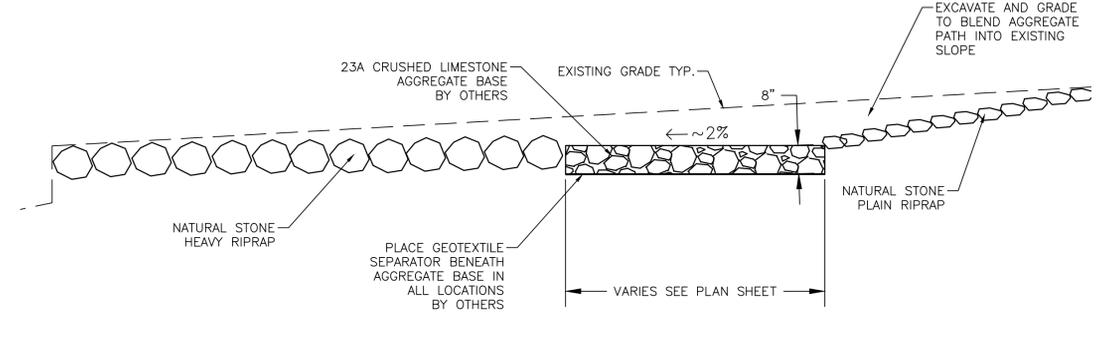
KAYAK LAUNCH
ESTIMATED EXCAVATION = 65 CYD

A PRECAST CONCRETE STEP SYSTEM WILL BE INCLUDED AS AN ALTERNATE BID.

- RAILING NOTES:**
- 1) RAILING HEIGHT SHALL BE 36 INCHES
 - 2) RAILING SHALL BE 1-1/4" DIAMETER SCHEDULE 40 ALUMINUM WITH ANODIZED FINISH
 - 3) ALL CONNECTORS SHALL BE HOLLAENDER SPEED-RAIL STAINLESS STEEL WITH ANODIZED FINISH
 - 4) FLANGE CONNECTIONS AT THE BASE OF THE RAILING SHALL INCLUDE SET SCREWS FOR REMOVAL OF THE RAILING SYSTEM
 - 5) THE COST OF RAILING SHALL BE INCLUDED IN THE COST OF THE CONCRETE STAIRWAY



2 KAYAK STAIRS SECTION
C-5 NO SCALE



1 AGGREGATE PATH SECTION
C-6 NO SCALE

AGGREGATE PATH BY OTHERS
ESTIMATED EXCAVATION = 45 CYD

TOTAL ESTIMATED EXCAVATION = 110 CYD

NO.	REVISIONS	DATE	BY
6	EGL PERMIT SUBMITTAL REVISION	8/30/21	CW
7	ISSUED FOR BID	1/20/22	CW

BENCH MARK DATA	DESCRIPTION	ELEV.

JAMES S. MINER LAUNCH PROJECT
DETAIL SHEET
AUGUST, 2022
PROJECT NO.