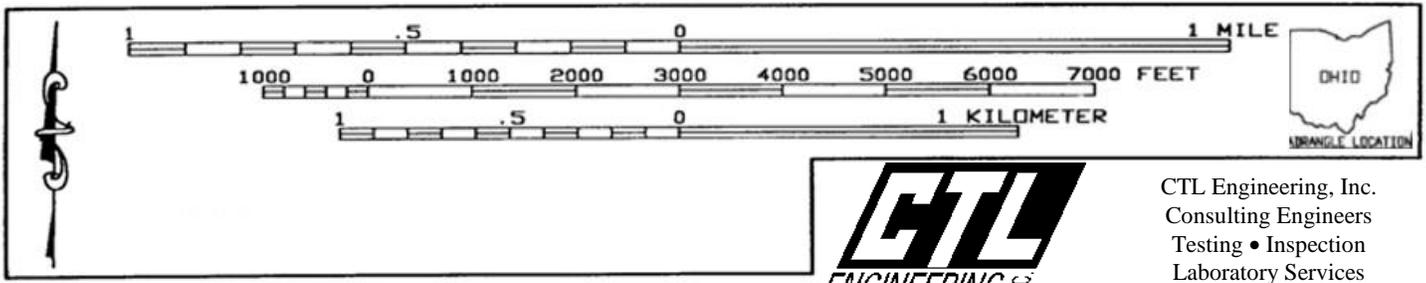
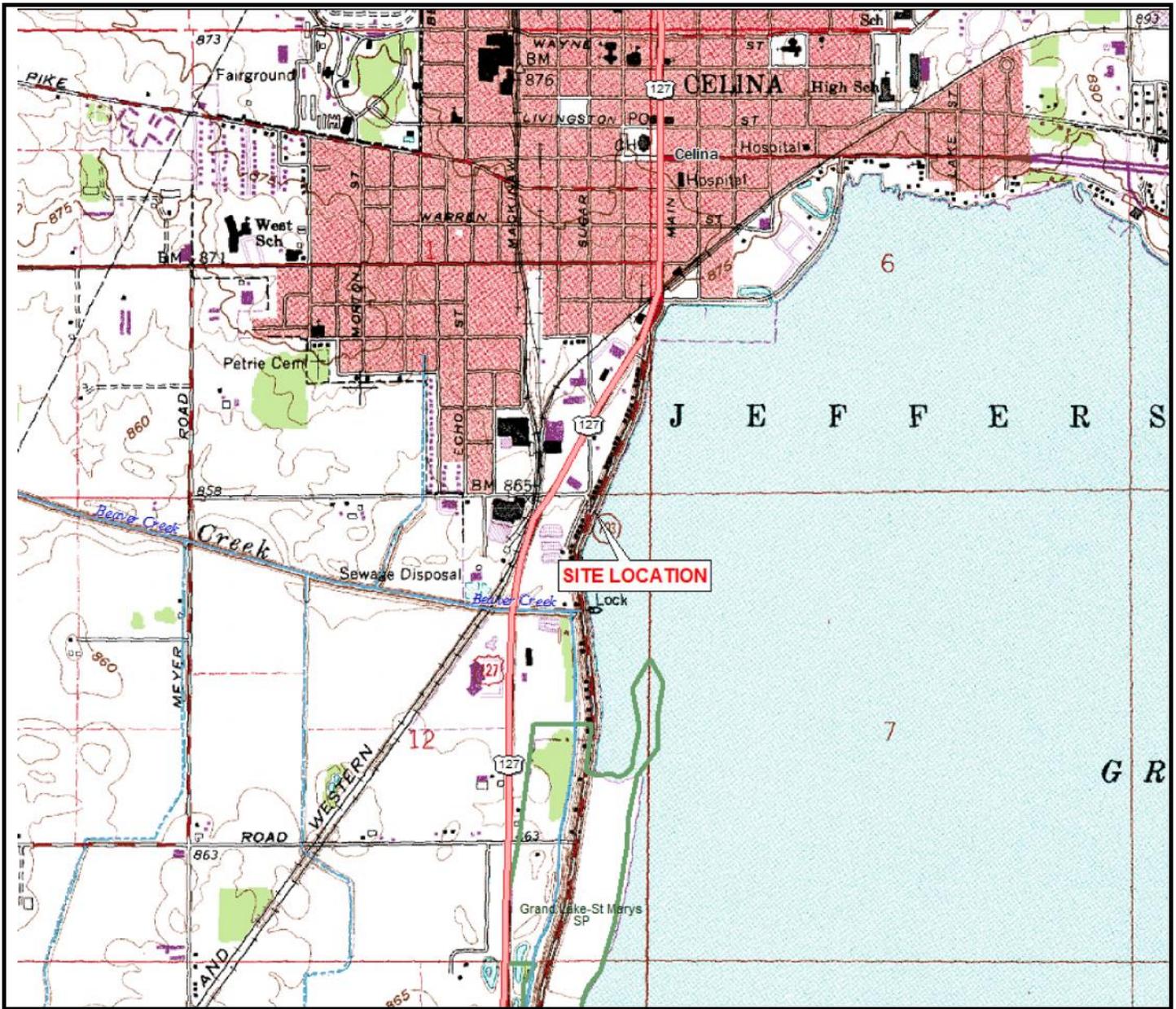
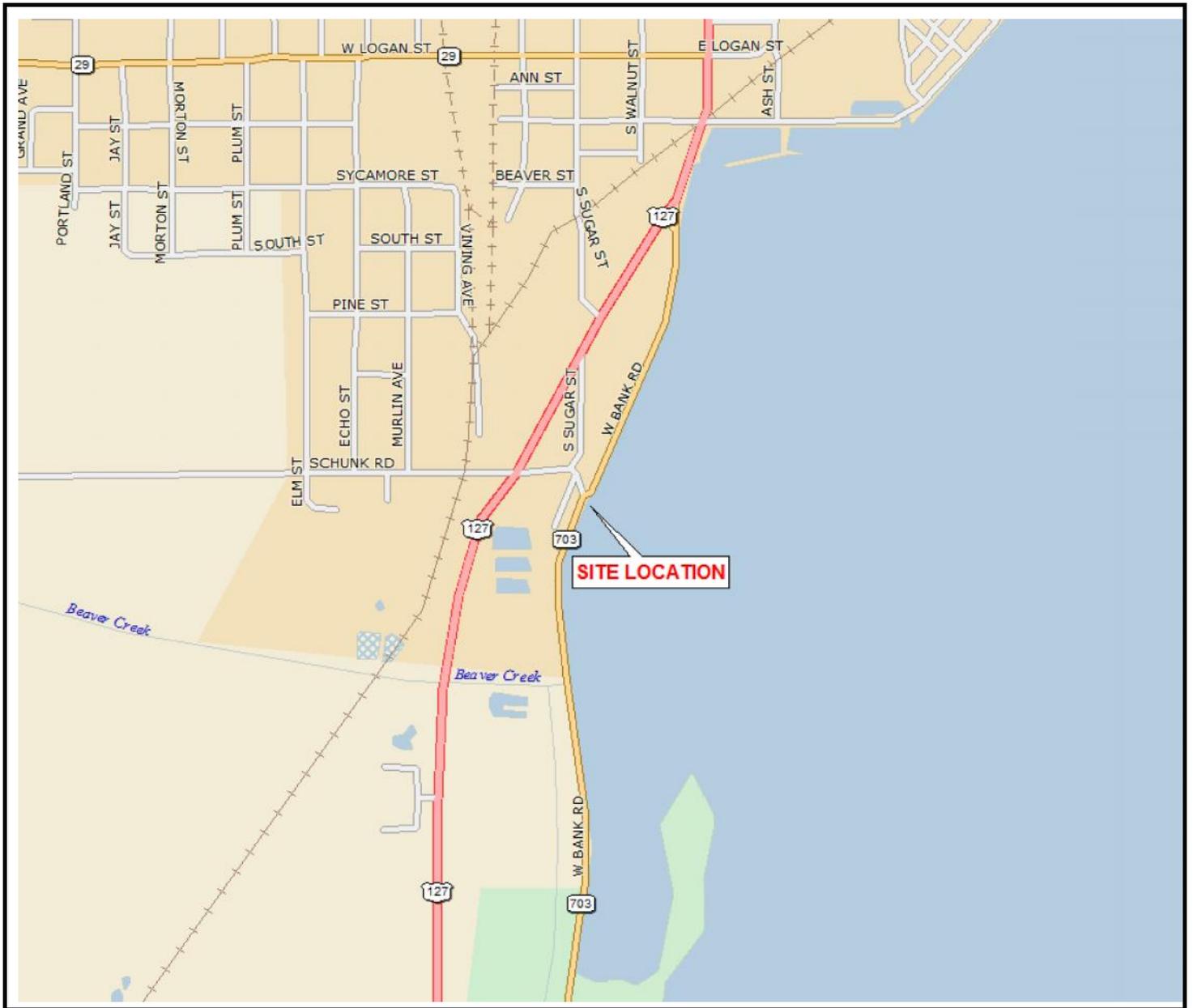


The following document is not readable via Optical Character Recognition. For more information or if you require the document to be read aloud please call: 304-399-5353



CTL Engineering, Inc.
 Consulting Engineers
 Testing • Inspection
 Laboratory Services

GENERAL LOCATION CELINA, OH QUADRANGLE 1994 7.5 MINUTE SERIES (TOPOGRAPHIC)	DATE 4/7/15	CITY OF CELINA PJWD	
	SCALE As Shown	West Bank Road Project / Walkway & Breakwaters West Bank Road Celina, Ohio	
	DRAWN BY Dept. 51	Figure No. 1	Project No. 15510007WAP



CTL Engineering, Inc.
 Consulting Engineers
 Testing • Inspection
 Laboratory Services

GENERAL LOCATION STREET ATLAS	DATE 4/7/15	CITY OF CELINA PJWD	
	SCALE ---	West Bank Road Project / Walkway & Breakwaters West Bank Road Celina, Ohio	
	DRAWN BY Dept. 51	Figure No. 2	Project No. 15510007WAP



Existing Conditions Overview (Map 1)

City of Celina, Mercer County, Ohio



Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
1:8,000 Scale, Source: ESRI Digital Globe

0 375 750 1,500
Feet

1 inch = 667 feet



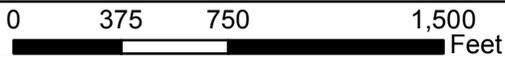


Proposed Fill Overview (Map 2)

City of Celina, Mercer County, Ohio



Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:8,000 Scale, Source: ESRI Digital Globe



1 inch = 667 feet



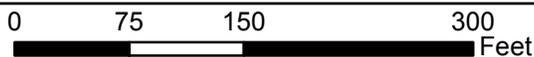


Northern Completed Boardwalk South of Lake Shore Drive (Map 3)

City of Celina, Mercer County, Ohio

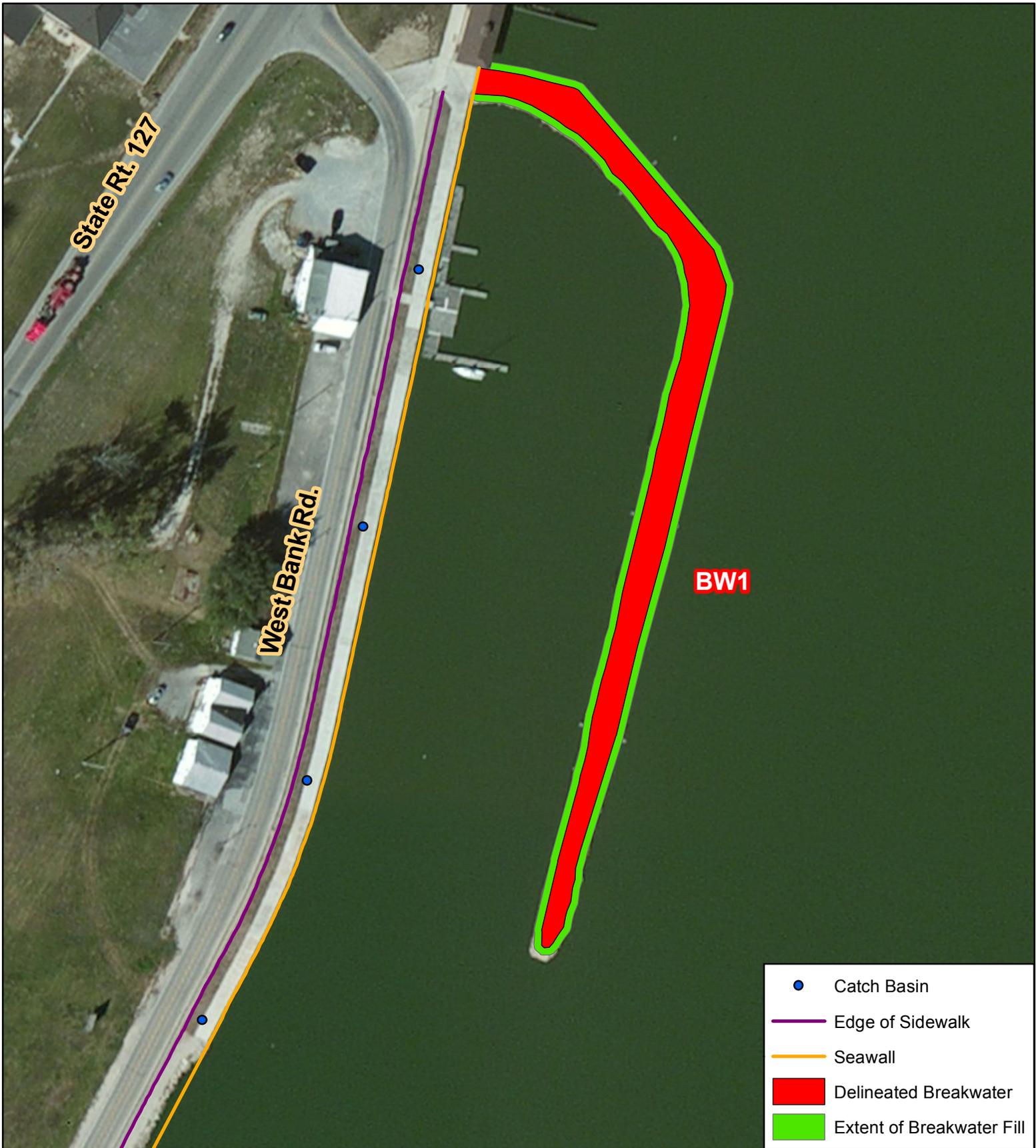


Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:1,500 Scale, Source: ESRI Digital Globe



1 inch = 125 feet



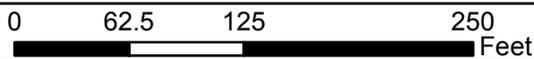


Existing Conditions Near Breakwater 1 (BW1) (Map 4)

City of Celina, Mercer County, Ohio

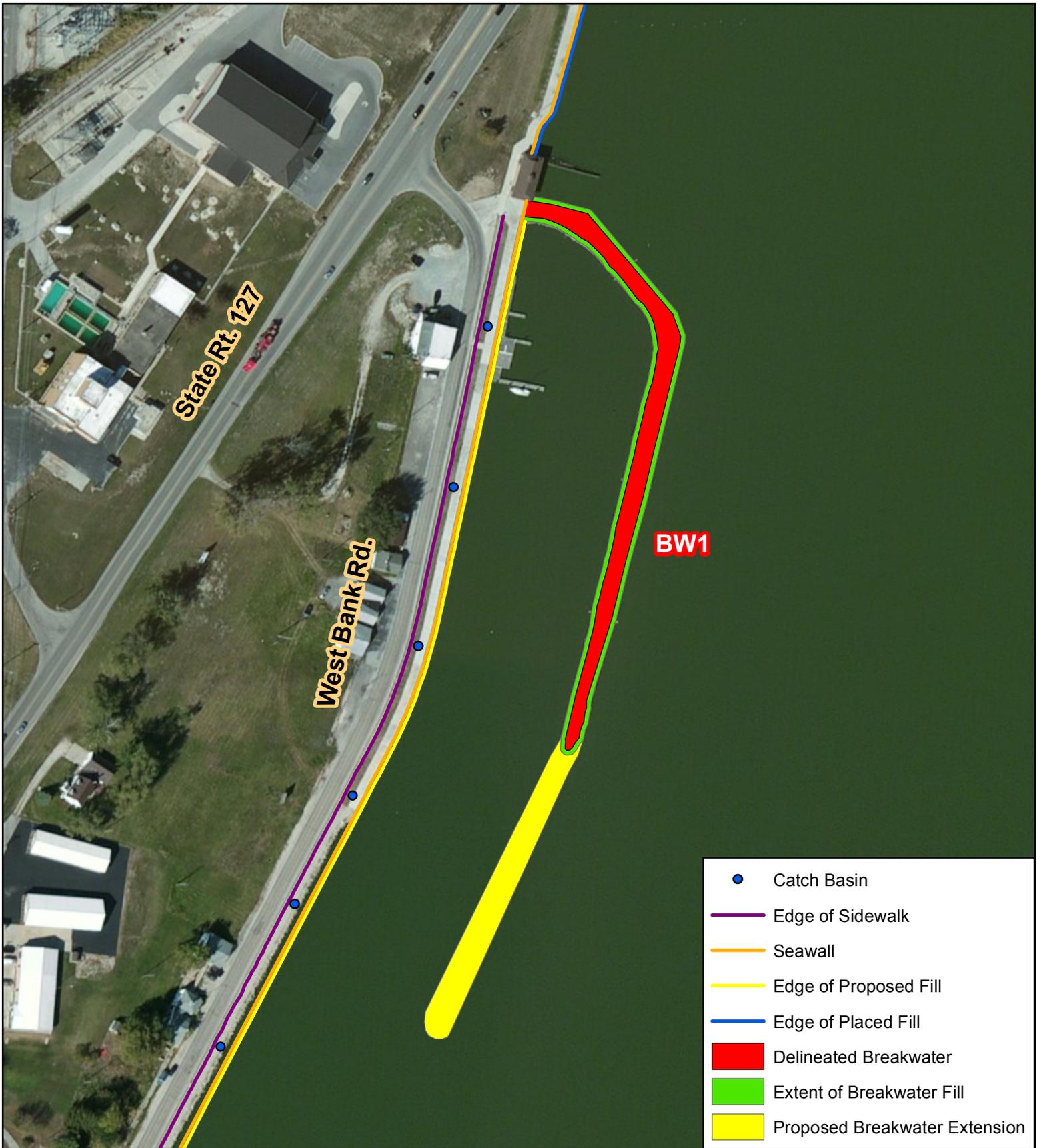


Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:1,250 Scale, Source: ESRI Digital Globe



1 inch = 104 feet



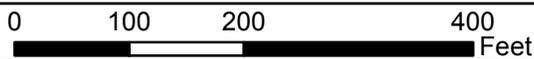


Proposed Placement of Fill Near Breakwater 1 (BW1) (Map 5)

City of Celina, Mercer County, Ohio

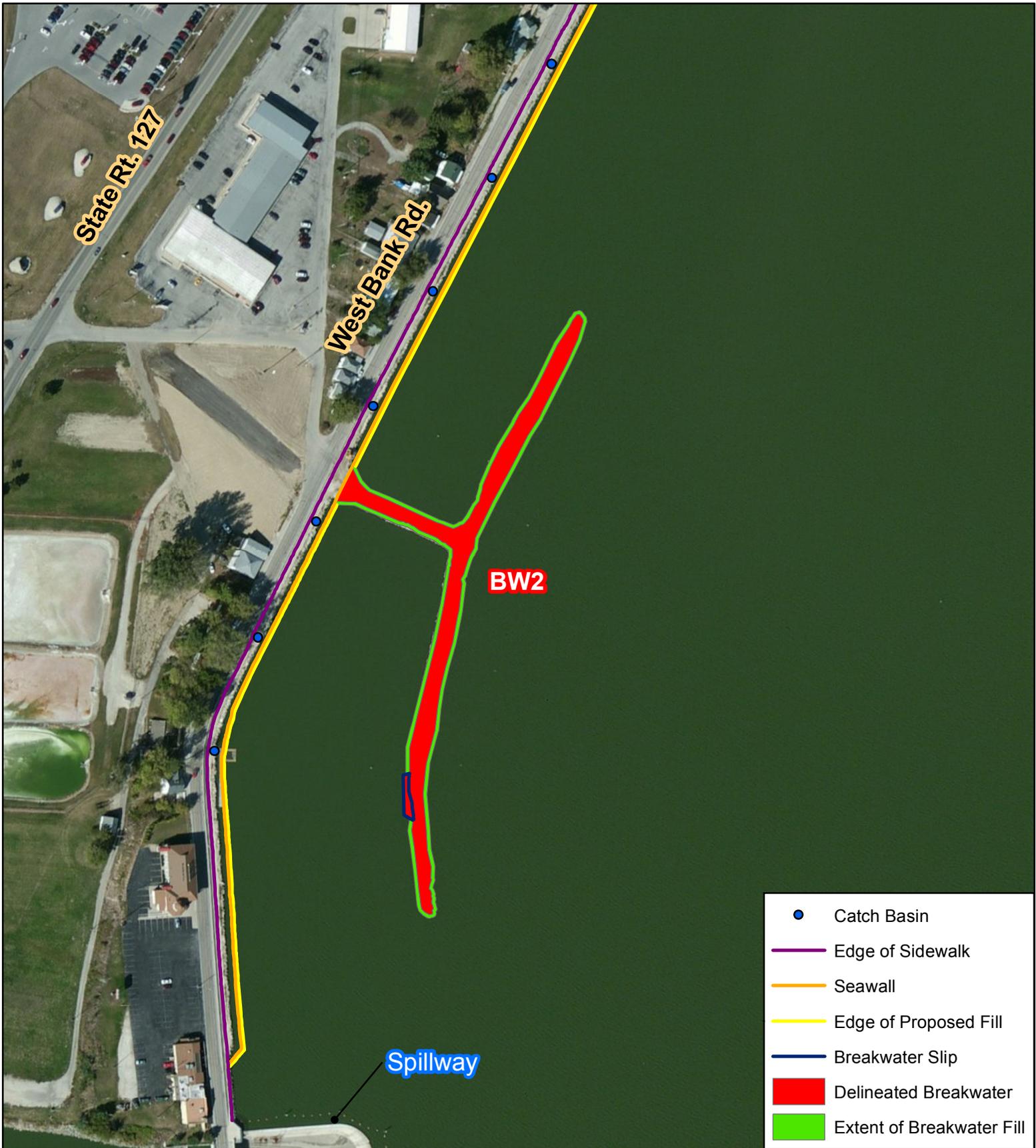


Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:2,000 Scale, Source: ESRI Digital Globe



1 inch = 167 feet



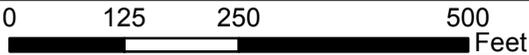


Proposed Placement of Fill Near Breakwater 2 (BW2) (Map 6)

City of Celina, Mercer County, Ohio



Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:2,500 Scale, Source: ESRI Digital Globe



1 inch = 208 feet



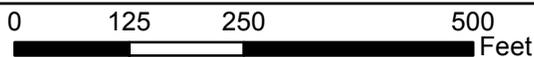


Southern Completed Boardwalk South of Spillway (Map 7)

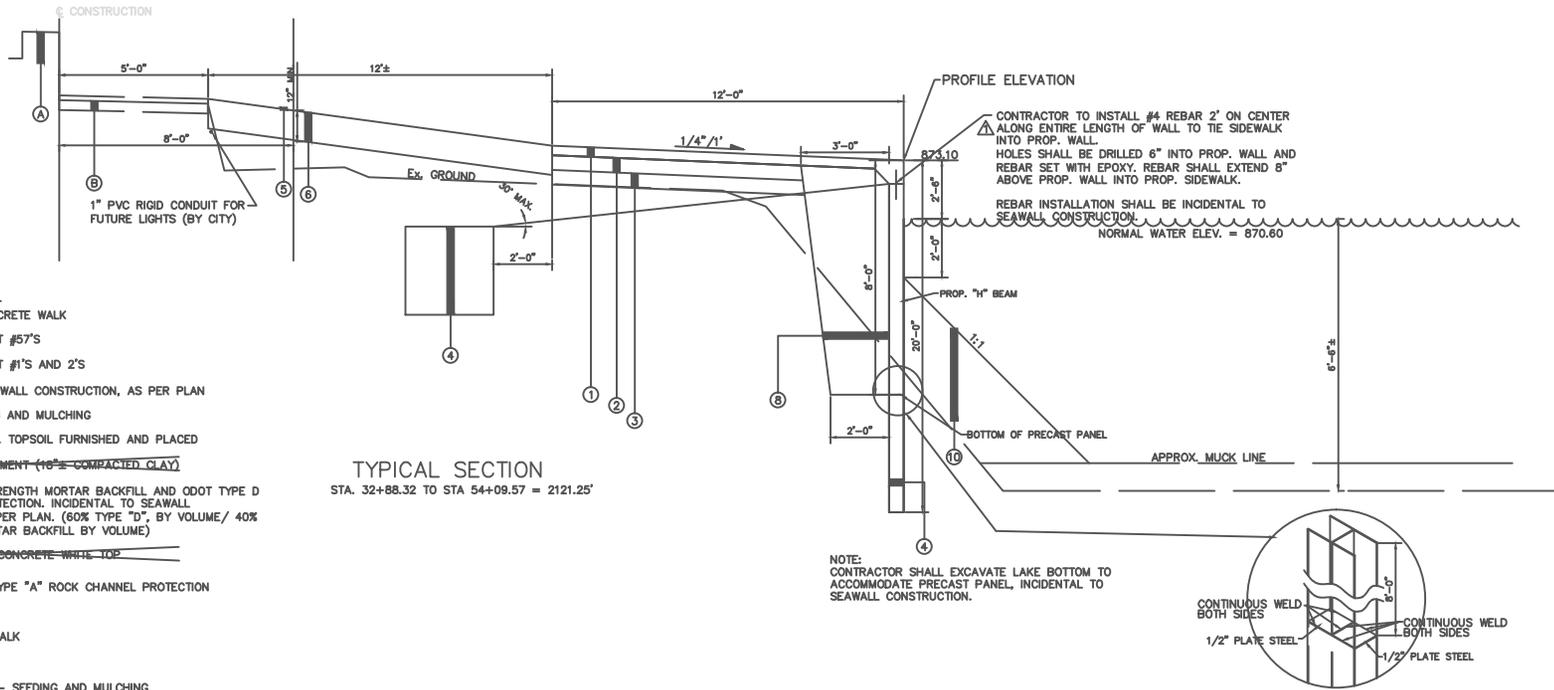
City of Celina, Mercer County, Ohio



Project 15510007WAP Date: 4-10-2015 by PJS of CTL Engineering
 1:2,500 Scale, Source: ESRI Digital Globe



1 inch = 208 feet



- LEGEND**
- ① ITEM 608 - 6" CONCRETE WALK
 - ② ITEM 304 - 6" ODOT #57'S
 - ③ ITEM 203 - 6" ODOT #1'S AND 2'S
 - ④ ITEM SPECIAL - SEAWALL CONSTRUCTION, AS PER PLAN
 - ⑤ ITEM 659 - SEEDING AND MULCHING
 - ⚠ ⑥ ITEM 653 - 12" MIN. TOPSOIL FURNISHED AND PLACED
 - ⚠ ⑦ ~~ITEM 203 - EMBANKMENT (16% COMPACTED CLAY)~~
 - ⚠ ⑧ ITEM 813 - LOW STRENGTH MORTAR BACKFILL AND ODOT TYPE D ROCK CHANNEL PROTECTION, INCIDENTAL TO SEAWALL CONSTRUCTION, AS PER PLAN. (60% TYPE "D", BY VOLUME/ 40% LOW STRENGTH MORTAR BACKFILL BY VOLUME)
 - ⚠ ⑨ ~~ITEM SPECIAL - 2" CONCRETE WHITE TOP~~
 - ⑩ ITEM 203 - ODOT TYPE "A" ROCK CHANNEL PROTECTION
 - A Ex. CONCRETE WALL
 - B Ex. CONCRETE SIDEWALK
- ITEM 659 - SEEDING AND MULCHING
 - PROPOSED WALKWAY (SEE DETAILS)
 - Ex. WALK TO BE REMOVED AND REPLACED
ITEM 608 - 6" CONCRETE WALK
ITEM 304 - 6" ODOT #57'S

CONSTRUCTION ACCESS POINTS
THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE SPECIFIED CONSTRUCTION ACCESS POINTS FOR THE PROJECT. NO OTHER ACCESS POINTS WILL BE ALLOWED.

ITEM SPECIAL SEAWALL CONSTRUCTION, AS PER PLAN
THIS ITEM SHALL INCLUDE ALL PILES TO 20', PRECAST CONCRETE PANELS, TIEBACKS, DEADMAN, MOBILIZATION, LOW STRENGTH MORTAR BACKFILL WITH TYPE D ROCK CHANNEL PROTECTION, ETC. FOR THE COMPLETE INSTALLATION OF THE PROPOSED SEAWALL. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF WALL FOR APPROVAL PRIOR TO CONSTRUCTION.

⚠ THE TOP 8" OF EACH "H" BEAM SHALL BE PRIMED WITH A RED OXIDE PRIMER INCIDENTAL TO SEAWALL CONSTRUCTION.

PAYMENT FOR ITEM SPECIAL SEAWALL CONSTRUCTION, AS PER PLAN FOR ALL ITEMS DESCRIBED ABOVE, SHALL BE AT THE CONTRACT FOOT PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN
THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 623 CONSTRUCTION LAYOUT STAKES, EXCEPT AS HEREIN MODIFIED.

THE VERTICAL CONTROL IS LISTED ON THE PLANS WITH THE BENCHMARKS. TRAVERSE POINTS ARE SHOWN BELOW FOR HORIZONTAL CONTROL. THE BEARINGS ARE LISTED FOR THE CENTERLINE OF CONSTRUCTION.

PAYMENT FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT, REQUIRED TO COMPLETE THIS ITEM OF WORK.

ANCHOR POINT	STATION	OFFSET	NORTHING	EASTING	TYPE
50	34+93.66	27.29' LT	6485.295	4572.906	TRAV. MAG. NAIL
53	42+42.86	31.85' LT	7228.034	4593.863	TRAV. I.P.
55	29+74.73	26.29' LT	5985.802	4713.518	TRAV. MAG. NAIL

CONSTRUCTION SCHEDULE AND SEQUENCE
THE CONTRACTOR SHALL SUBMIT A SCHEDULE AND SEQUENCE WITH THEIR BID.

ADDITIONAL PILE LENGTHS
THE UNIT PRICE SEAWALL CONSTRUCTION SHALL INCLUDE PILES OF 20' IN LENGTH. IF ADDITIONAL PILE LENGTHS ARE NEEDED, THEY SHALL BE PAID FOR AT THE BID LINEAR FOOT PRICE. THE ESTIMATED QUANTITY OF 400 LINEAR FEET COULD BE NON-PERFORMED IF DEEMED UNNECESSARY OR EXCEED THE ESTIMATED QUANTITY IF NECESSARY. EACH SPLICE WILL BE PAID AS A SEPARATE BID ITEM. ESTIMATED QUANTITY OF 80 SPLICES COULD NOT BE PERFORMED, IF NECESSARY.

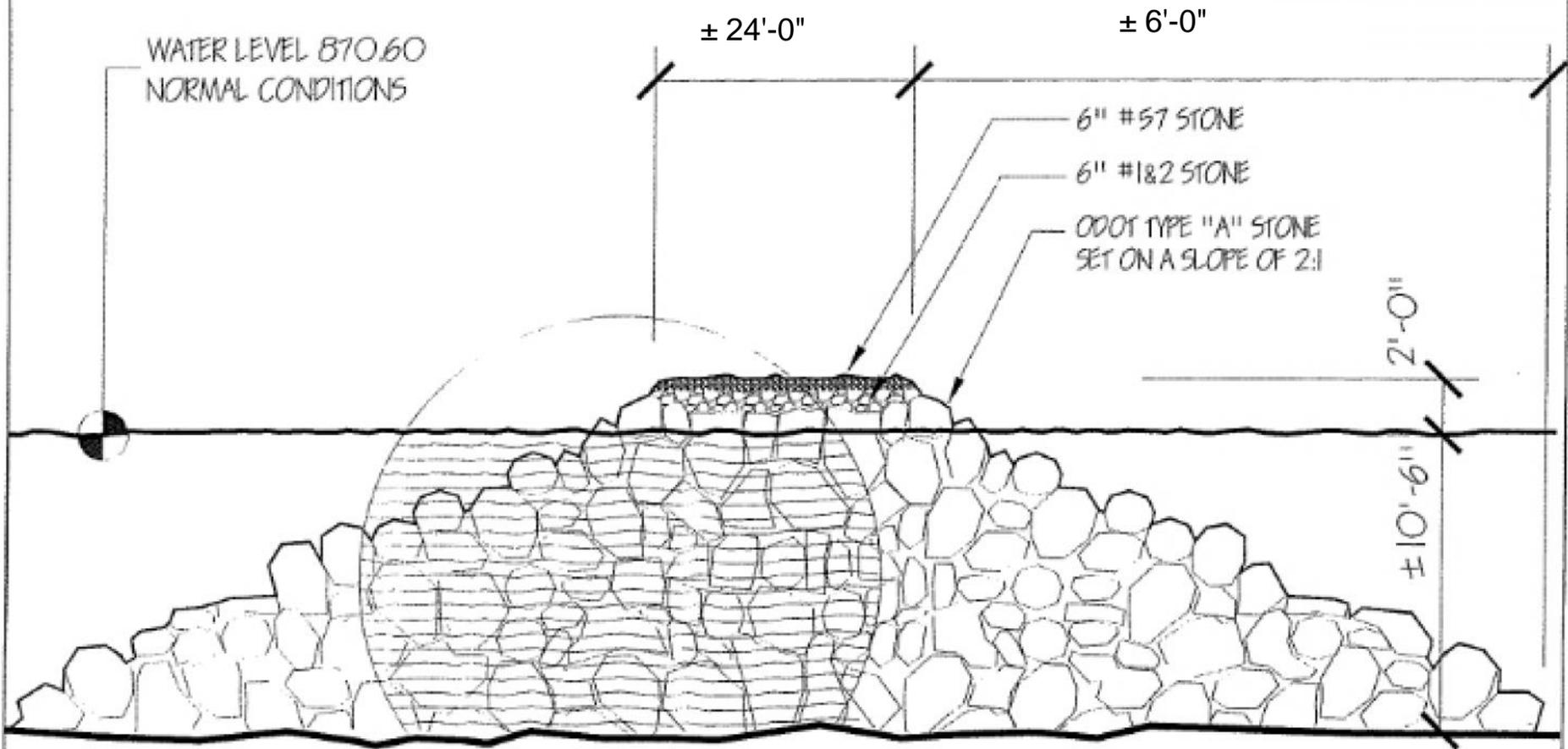
ITEM SPECIAL, REMOVE BOAT DOCKS FOR REUSE, AS PER PLAN
THIS ITEM INCLUDES ALL PREPARATION, MATERIAL, LABOR, AND CLEANUP TO REMOVE BOAT DOCKS FOR REUSE.

THIS ITEM SHALL INCLUDE CAREFULLY REMOVING ALL EXISTING BOAT DOCKS AND STORING THEM FOR THE DURATION OF THE PROJECT.

⚠ THE BOAT DOCKS ARE PROPERTY OF THE CITY OF CELINA. THE CONTRACTOR SHALL WORK WITH THE CITY ON A STORAGE LOCATION AND THE DOCKS SHALL REMAIN WITH THE CITY UPON COMPLETION OF THE PROJECT.

PAYMENT FOR ITEM SPECIAL, REMOVE BOAT DOCKS FOR REUSE, AND FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

*NOT TO SCALE



Typical Breakwater Pier