

LIDORIN MAP

DATE	BY	REVISION

**DETROIT RIVER SHORELINE TREATMENT**  
CITY OF ECORSE, WAYNE COUNTY, MICHIGAN

*Nativescape* **ficth** Fishbeck, Thompson, Carr & Huber  
Michigan State University Extension  
1675 Clinton Road, East Lansing, MI 48824  
517-335-3000

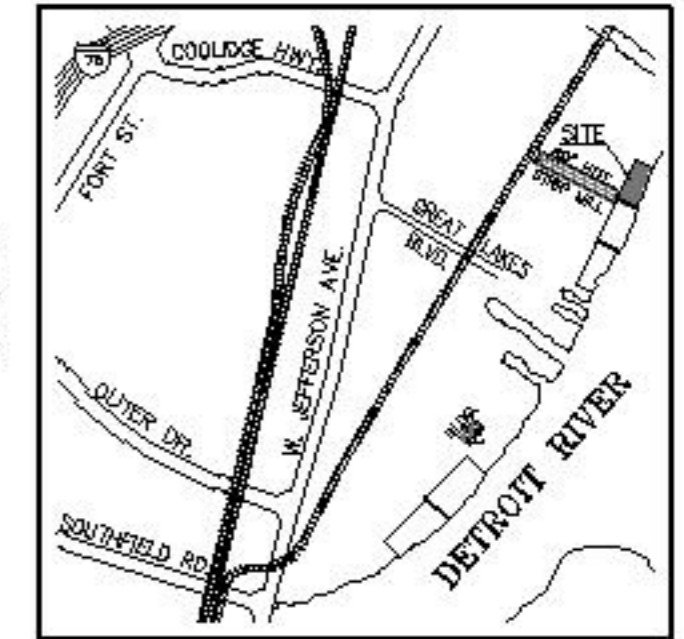
**GEORGE JEROME & CO.**  
CONSULTING MUNICIPAL & CIVIL ENGINEERS - SURVEYORS  
2524 HAZEL EVANSVILLE, IN 46116  
(317) 434-2000

**U.S. STEEL - GREAT LAKES WORKS**  
 ECORSE UNITED STATES STEEL CORPORATION MICHIGAN

SHEET 1

**SITE BENCH MARK DATA (U.S. DATUM)**

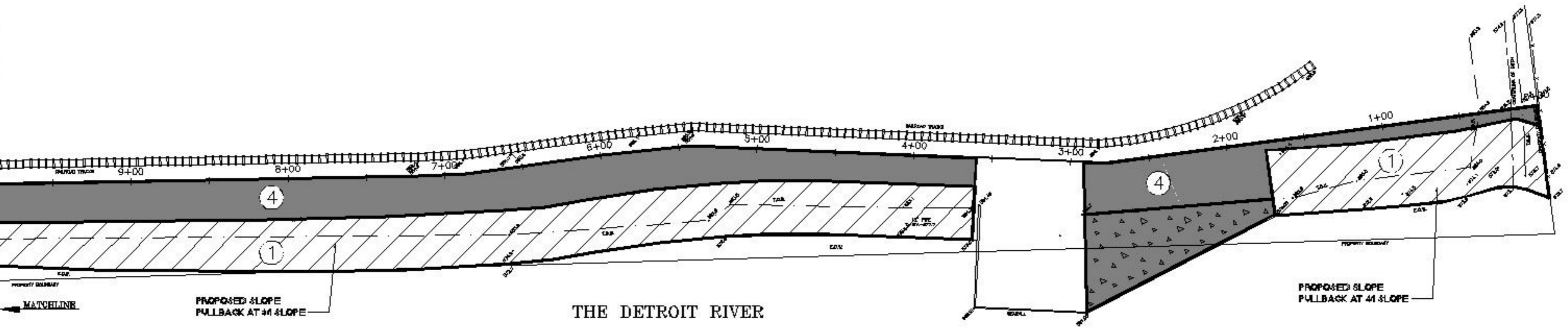
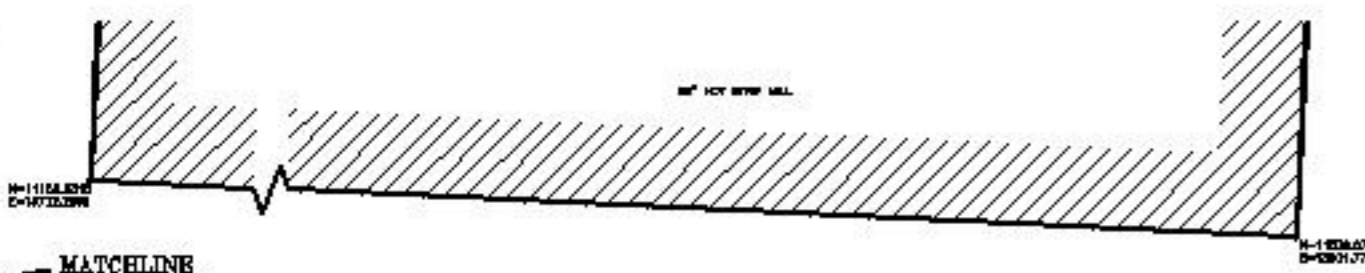
- BENCH MARK #1: IRON PILING IN HANDHOLE NEAR HOLES NEAR JEFFERSON AVE. LOCATED 21.8' WEST OF THE WEST CURB & 134' SOUTH OF THE SOUTH CURB OF BURBANK ST. ELEVATION=681.81 U.S.G.S. ELEVATION=679.81 I.G.L.D.
- BENCH MARK #2: IRON PILING IN HANDHOLE LOCATED NEAR HOLES AND WESTFIELD ST. ELEVATION=679.28 U.S.G.S. ELEVATION=677.28 I.G.L.D.
- BENCH MARK #3: TOP OF FIVE FOOTPOST N.I.S. LOCATED BEHIND THE GUARD SHAKES NEAR THE WASTE WATER PLANT. ELEVATION=683.53
- BENCH MARK #4: SET P.V. NAIL IN THE EAST FACE OF A UTILITY POLE LOCATED NEAR THE ENTRANCE TO THE WASTE WATER PLANT. ELEVATION=686.27
- BENCH MARK #5: THE SOUTHWEST BOLT IN A LIGHT POLE LOCATED NEAR THE DETROIT RIVER NEAR THE SOUTH END OF THE PROJECT. ELEVATION=686.82
- BENCH MARK #6: SET P.V. NAIL IN A TREE STUMP LOCATED NEAR THE SHOPLINE 2100' FROM THE WATER CROSSING. ELEVATION=677.42
- BENCH MARK #7: TOP OF VALVE LOCATED WEST OF THE NATURAL GAS STATION, 2030' WEST OF THE SHOPLINE, 350' SOUTH OF BP HOT TEPER HILL BUILDING. ELEVATION=688.4
- BENCH MARK #8: TOP OF THE SEAWALL LOCATED NEAR THE WATER EXCHANGE. ELEVATION=684.83
- BENCH MARK #9: TOP OF THE SEAWALL LOCATED NEAR STATION 104. ELEVATION=684.92



**LOCATION MAP**  
NOT TO SCALE

**LEGEND**

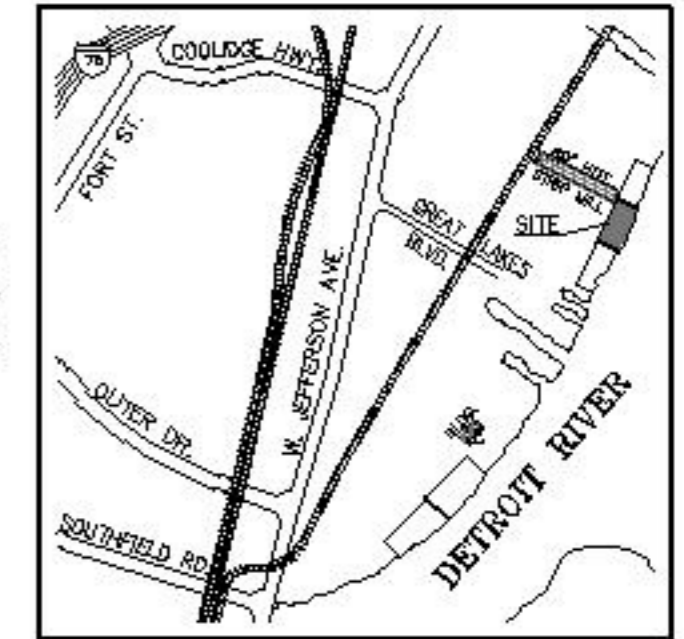
- FF — FINISHED FLOOR
- T.O.B. — TOP OF BANK
- E.O.W. — EDGE OF WATER
- C.B. — CATCH BASIN
- U.P. — UTILITY POLE
- N.H. — MANHOLE
- C.O. — CLEAN OUT
- L.P. — LIGHT POLE
- S.V. — RATE VALVE AND WELL
- W.S.V. — WATER STOP VALVE
- H. — FIRE HYDRANT
- S. — SIGN
- S.P. — STEEL POST
- N.W. — MONITORING WELL
- R.S. — RAILROAD SWITCH
- B.C. — BANITARY/COMBINED BEVER
- S.S. — STORM SEWER
- W.M. — WATERMAIN
- B.M. — BENCH MARK
- U.L. — OVERHEAD UTILITY LINES



NOTE  
 ALL DISTANCES ARE STRICTLY FROM FIELD  
 OBSERVATION. NO DRAWINGS OR MAPS WERE  
 REFERENCED FOR THE LOCATION OF ANY  
 UTILITIES.

**SITE BENCH MARK DATA (I.C.L. DATUM)**

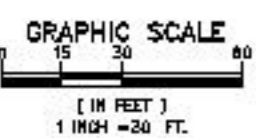
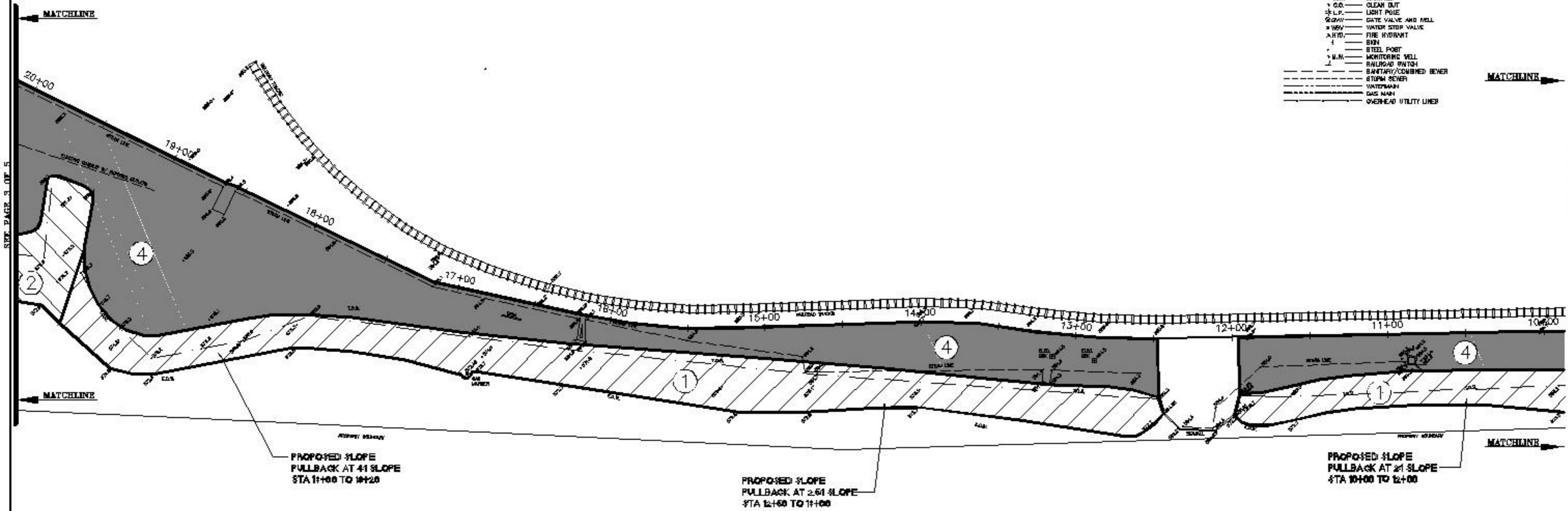
- BENCH MARK #1: BENCH FOUND IN HANDHOLE NEAR HOLES  
 NEAR JEFFERSON AVE. LOCATED 21.0'  
 WEST OF THE WEST CURB & 134'  
 SOUTH OF THE SOUTH CURB OF  
 BURRABA ST.  
 ELEVATION=681.481 U.S.G.S.  
 ELEVATION=679.871 I.G.L.D.
- BENCH MARK #2: BENCH FOUND IN HANDHOLE LOCATED  
 NEAR HOLES AND WESTFIELD ST.  
 ELEVATION=679.281 U.S.G.S.  
 ELEVATION=677.671 I.G.L.D.
- BENCH MARK #3: TOP OF FIRE HYDRANT N.B. 61 LOCATED  
 BEHIND THE GUARD SHACK NEAR THE  
 WASTE WATER PLANT.  
 ELEVATION=688.59
- BENCH MARK #4: SET P.V. NAIL IN THE EAST FACE OF A  
 UTILITY POLE LOCATED NEAR THE  
 ENTRANCE TO THE WASTE WATER  
 PLANT. ELEVATION=686.27
- BENCH MARK #5: THE SOUTHWEST BOLT IN A LIGHT POLE  
 LOCATED NEAR THE DETROIT RIVER  
 NEAR THE SOUTH END OF THE  
 PROJECT. ELEVATION=686.82
- BENCH MARK #6: SET P.V. NAIL IN A TREE STUMP  
 LOCATED NEAR THE SHOULDER 24100'  
 FROM THE WATER CO. MARK.  
 ELEVATION=677.42
- BENCH MARK #7: TOP OF VALVE LOCATED WEST OF THE  
 NATURAL GAS STATION, 2030' WEST OF  
 THE SHOULDER, 3500' SOUTH OF BP  
 HOT TEPER BULL BUILDING.  
 ELEVATION=688.4
- BENCH MARK #8: TOP OF THE SEAWALL LOCATED NEAR  
 THE WATER RECHARGE.  
 ELEVATION=684.83
- BENCH MARK #9: TOP OF THE SEAWALL LOCATED NEAR  
 STATION 104. ELEVATION=684.83



**LOCATION MAP**  
 NOT TO SCALE

**LEGEND**

- FF — FINISHED FLOOR
- T.O.B. — TOP OF BANK
- E.O.W. — EDGE OF WATER
- D.B.M. — DITCH BASIN
- U.P. — UTILITY POLE
- M.H. — MANHOLE
- C.O. — CLEAN OUT
- L.P. — LIGHT POLE
- G.V. — GATE VALVE AND WELL
- W.S.V. — WATER STOP VALVE
- F.H. — FIRE HYDRANT
- B.M. — BENCH MARK
- S.P. — STEEL POST
- M.V. — MONITORING WELL
- R.S. — RAILROAD SWITCH
- S.C.B. — SANITARY/COMBINED SEWER
- S.S. — STOP SIGN
- W.M. — WATER MAIN
- G.U.L. — OVERHEAD UTILITY LINES



**THE DETROIT RIVER**

DATE	BY	REVISION

**DETROIT RIVER SHORELINE TREATMENT**  
 CITY OF ECORSE, WAYNE COUNTY, MICHIGAN

*Nativescape* **ficth** Fishbeck, Thompson, Carr & Huber  
 CONSULTING ENGINEERS & ARCHITECTS  
 2500 HAZEL AVENUE, SUITE 200  
 KENOSHA, WISCONSIN 53141

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**U.S. STEEL - GREAT LAKES WORKS**  
 ECORSE UNITED STATES STEEL CORPORATION MICHIGAN

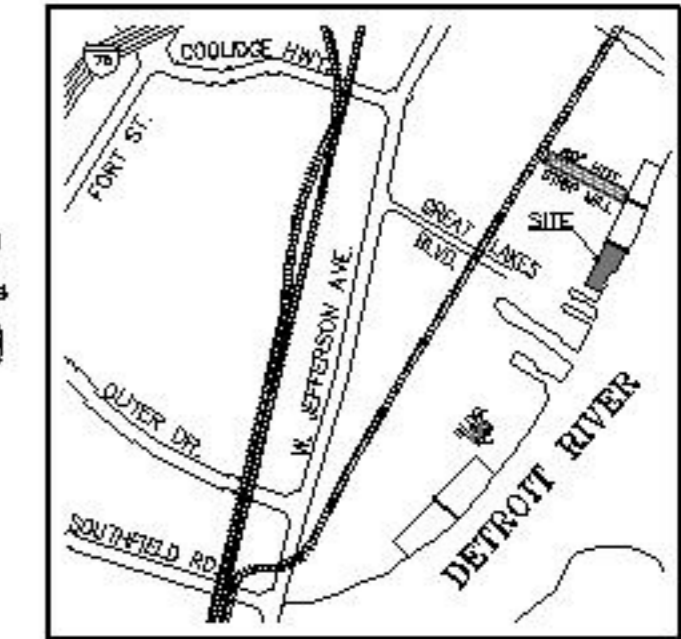


**SITE BENCH MARK DATA** (ELEV. DATUM)

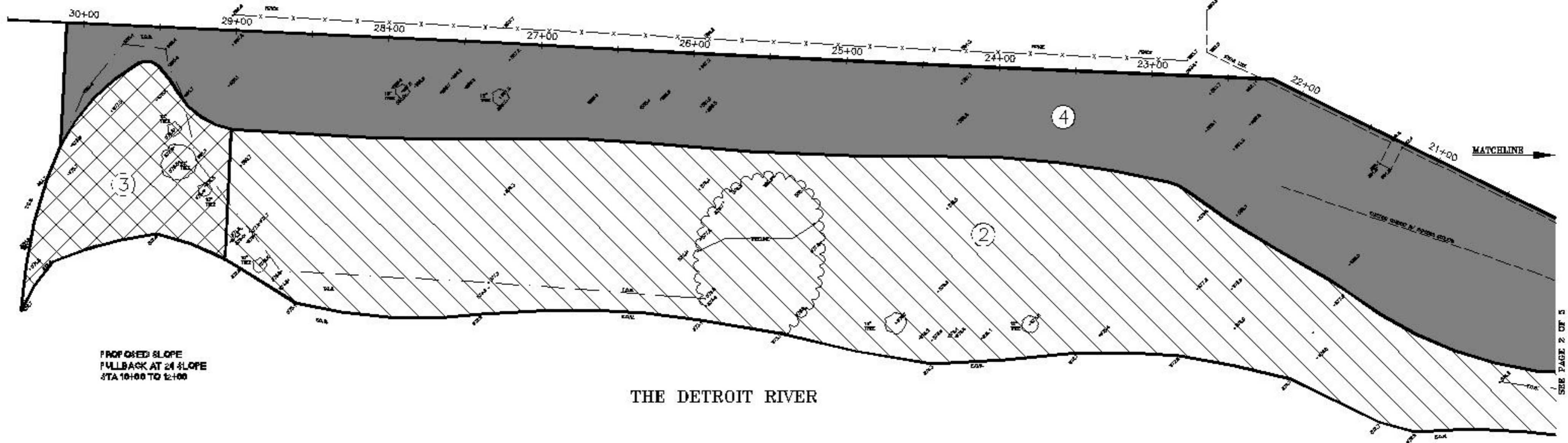
- BENCH MARK #1: DISK FOUND IN HANDBOLE NEAR HOUSE 1810 JEFFERSON AVE. LOCATED 21.67' WEST OF THE WEST CURB & 134' SOUTH OF THE SOUTH CURB OF SOUTHFIELD ST. ELEVATION=89.481 I.A.B.S. ELEVATION=379.281 I.A.L.D.
- BENCH MARK #2: DISK FOUND IN HANDBOLE LOCATED NEAR HOUSE 408 WESTFIELD ST. ELEVATION=86.281 I.A.B.S. ELEVATION=376.281 I.A.L.D.
- BENCH MARK #3: TOP OF FIRE HYDRANT NO. 91 LOCATED BEHIND THE GUARD SHACK NEAR THE WASTE WATER PLANT. ELEVATION=88.537
- BENCH MARK #4: SET P.I.C. NAIL IN THE EAST FACE OF A UTILITY POLE LOCATED NEAR THE ENTRANCE TO THE WASTE WATER PLANT. ELEVATION=88.537
- BENCH MARK #5: THE SOUTHWEST BOLT IN A LIGHT POLE LOCATED NEAR THE DETROIT RIVER NEAR THE SOUTH END OF THE PROJECT. ELEVATION=688.82
- BENCH MARK #6: SET P.I.C. NAIL IN A TREE STUMP LOCATED NEAR THE SHOULDERLINE 21100' FROM THE WATER DISCHARGE. ELEVATION=377.59
- BENCH MARK #7: TOP OF VALVE LOCATED WEST OF THE NATURAL GAS STATION, 2100' WEST OF THE SHOULDERLINE 1550' SOUTH OF 80' HIGH STUMP MILL BUILDING. ELEVATION=89.44
- BENCH MARK #8: TOP OF THE SEAWALL LOCATED NEAR THE WATER DISCHARGE. ELEVATION=89.90
- BENCH MARK #9: TOP OF THE SEAWALL LOCATED NEAR STATION 104. ELEVATION=89.42

**LEGEND**

- FF — FINISHED FLOOR
- T.O.B. — TOP OF BANK
- E.O.W. — EDGE OF WATER
- D.O.B. — DITCH BUSH
- U.P. — UTILITY POLE
- N.H. — NAIL
- C.O. — CLEAN OUT
- L.P. — LIGHT POLE
- D.V. & V. — GATE VALVE AND WELL
- W.S.V. — WATER STOP VALVE
- F.H. — FIRE HYDRANT
- S. — SOIL
- S.P. — STEEL POST
- M.V. — MANHOLES WELL
- R.S. — RAILROAD SWITCH
- S.C.B. — SANITARY COMBINED BEWER
- S.B. — STORM SEWER
- W. — WATERMAIN
- G.M. — GAS MAIN
- — — — — OVERHEAD UTILITY LINES

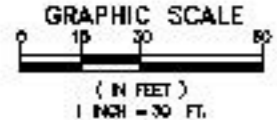


**LOCATION MAP**  
NOT TO SCALE



SEE PAGE 2 OF 5

ALL ELEVATIONS STRICTLY FROM FIELD OBSERVATION. NO DRAWINGS OR MAPS WERE REFERENCED FOR THE LOCATION OF ANY UTILITIES.



DATE	BY	REVISION

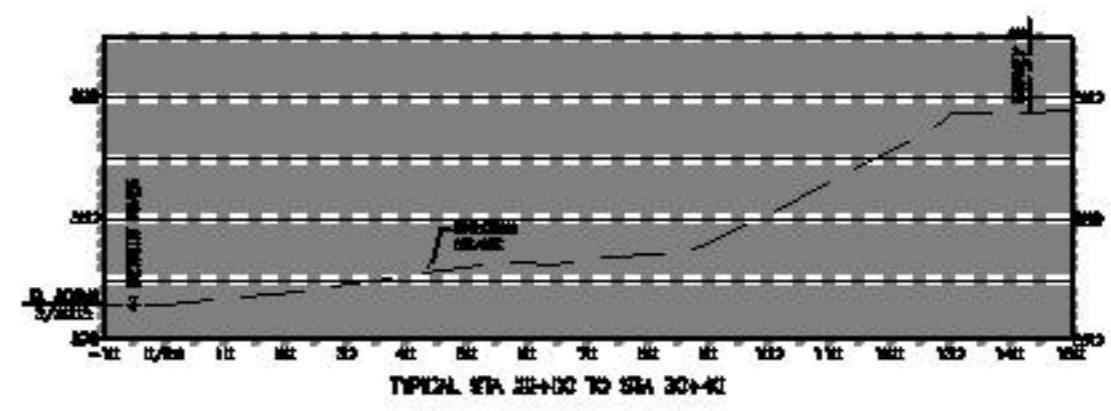
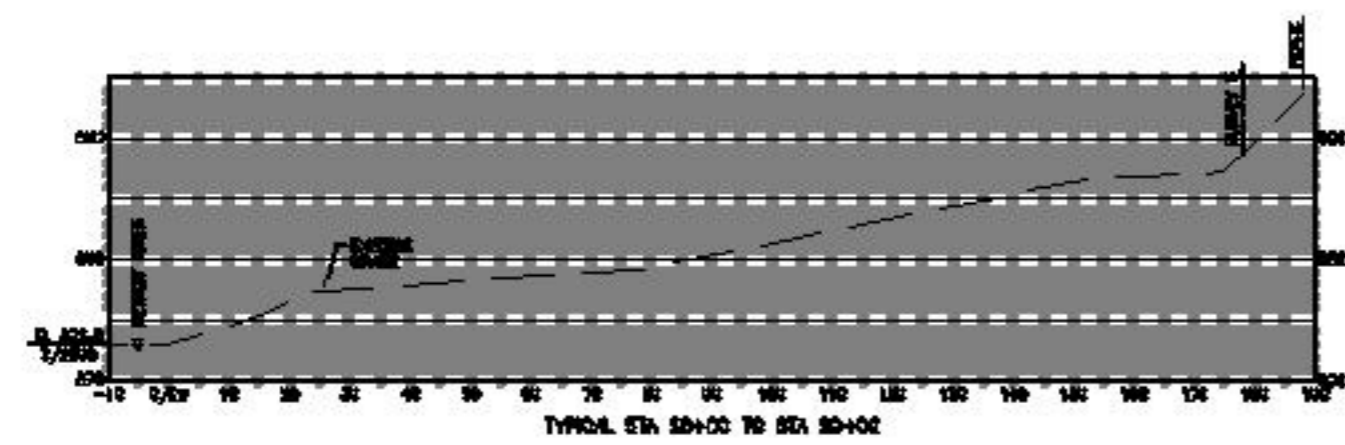
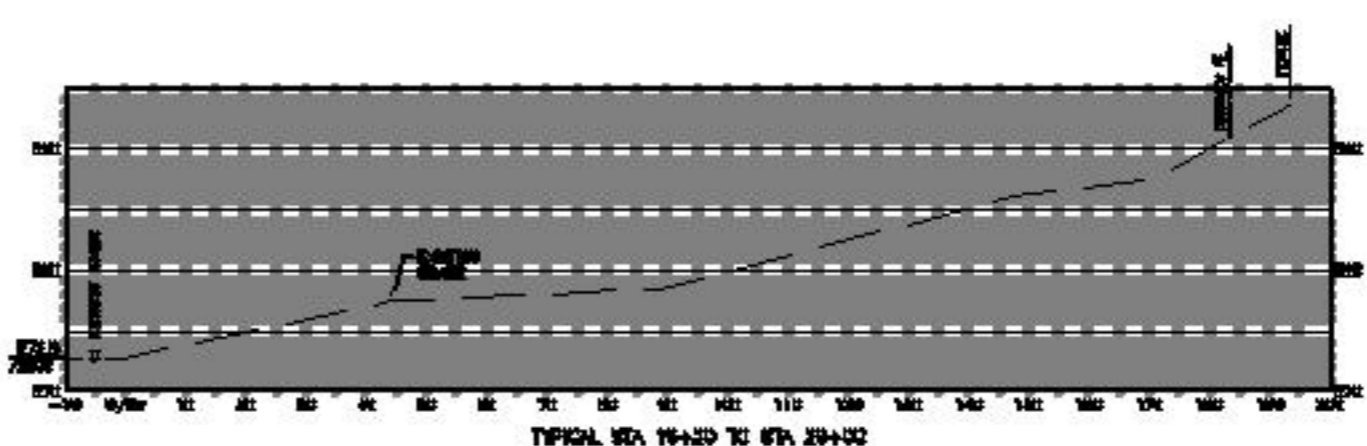
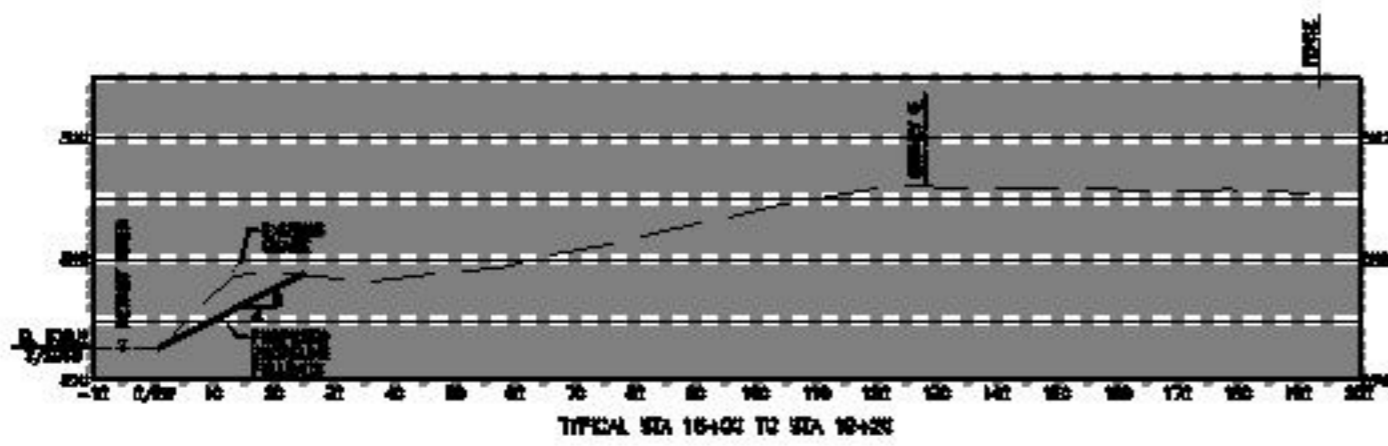
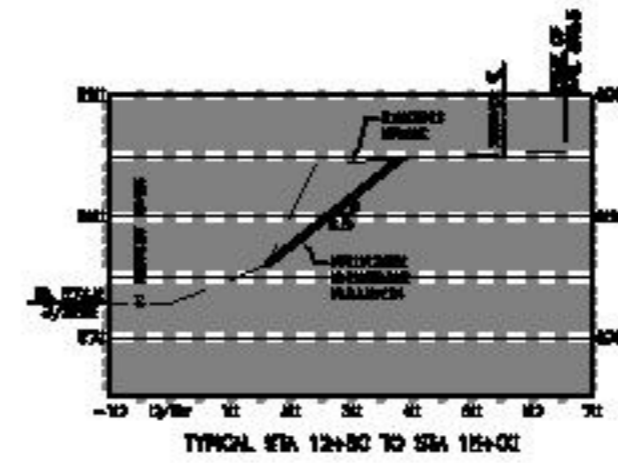
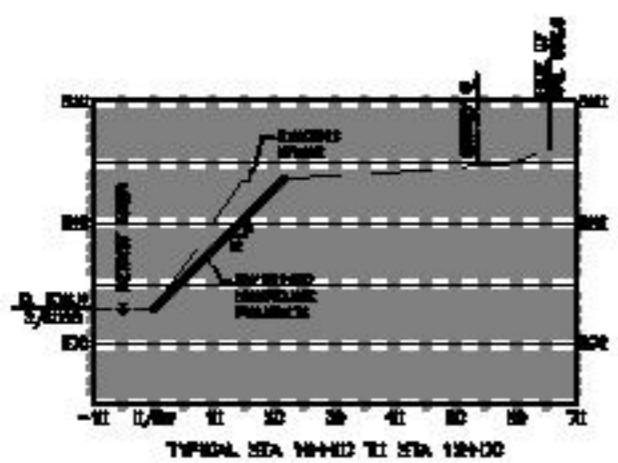
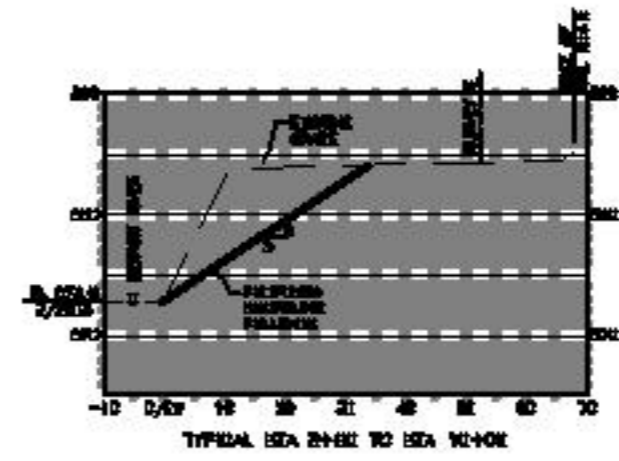
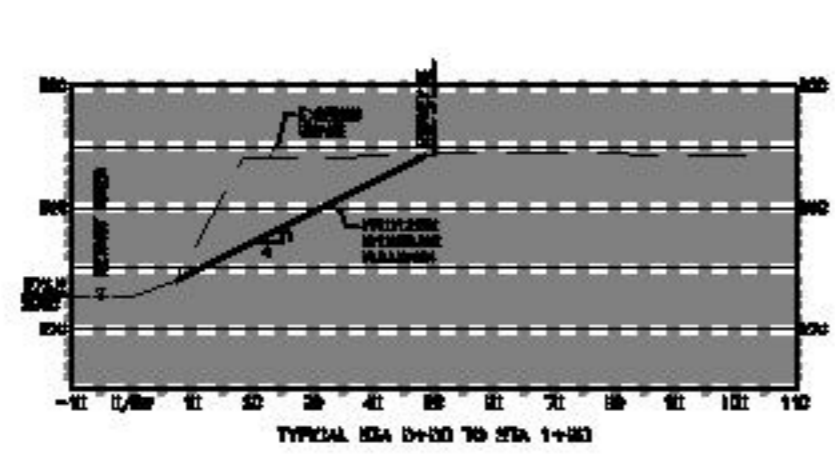
**DETROIT RIVER SHORELINE TREATMENT**  
CITY OF ECORSE, WAYNE COUNTY, MICHIGAN

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2524 HAZEL KENOSHA, WI 53141 (262) 774-2000

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**U.S. STEEL - GREAT LAKES WORKS**  
ECORSE UNITED STATES STEEL CORPORATION MICHIGAN

SCALES:  
 HORIZONTAL 0 10 20  
 VERTICAL 0 5 10



DATE: 4/26/2018 TIME: 10:28:13 AM USER: MDC  
 PROJECT: DETROIT RIVER SHORELINE TREATMENT  
 SHEET: 5

NO.	BY	REVISION

**DETROIT RIVER SHORELINE TREATMENT**  
 CITY OF ECORSE, WAYNE COUNTY, MICHIGAN

*Nativescape* **fi** *and* **ch**  
 Fishbeck, Thompson, Carr & Huber  
 CONSULTING ENGINEERS & ARCHITECTS  
 2500 HAZEL  
 KENOSHA, WI 53141

**GEORGE JEROME & CO.**  
 CONSULTING MUNICIPAL & CIVIL ENGINEERS - SURVEYORS  
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