PORT ELGIN, ONTARIO

SOUTH BREAKWATER REPAIRS (LOCATOR CODE 4770)

ISSUED FOR TENDER, AUGUST 23, 2019
1. For Notes, Abbreviations and Legends see Drawing S-1.

2. Beach shall not be used for laydown of equipment or materials or heavy access to South Breakwater.

Scale: T.G.

London, Ontario
519.673.0510

NOTES:

BENCHMARK:
Top of Bollard on West Pier located approximately 2.5m north of Wharf corner, Elevation 178.35.
SOUTH BREAKWATER #301

1. REMOVE CONC. DECK
2. REMOVE CONC. STAIRS
3. REMOVE CONC. SLAB AND CUT SSP WALL EACH SIDE TO SUIT NEW ARRANGEMENT
4. REMOVE RAILING AND SALVAGE FOR REINSTALLATION
5. REMOVE CHAINLINK GATE AND FENCE
6. REMOVE ROCK FROM DRIVELINE PRIOR TO STEEL SHEET PILE INSTALLATION (TYP.)
7. REMOVE ROCK FROM EXISTING DRIVELINE (TYP.)
8. ENLARGED PLAN DWG. S-6 AS NOTED
9. SMALL CRAFT HARBOURS CENTRAL AND ARCTIC REGION
10. PORT ELGIN, ONTARIO

SCALE: 1:250

NOTES:

EXISTING ELEVATIONS

CONCRETE REMOVALS

REMOVALS

T.G.

DATE: AUGUST 2019

J.P.

DATE: AUGUST 2019

PROJECT:

DESCRIPTION:

DRAWN:

APPROVED:

DATE:

DATE:

LOCATION:

DRAWING NO.:

LOCATOR CODE:

REVISION:

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THIRD PARTIES, EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.
SOUTH BREAKWATER REPAIRS

1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-1.
2. TOP OF CONCRETE TO HAVE ROUGH BROOM FINISH.
3. WHERE SHEET PILE MEETS REFUSAL DUE TO LOCALIZED HIGH BEDROCK, INSTALL TOE ANCHORS.

NOTES:

SOUTH BREAKWATER REPAIRS

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2. TOP OF CONCRETE TO HAVE ROUGH BROOM FINISH.
3. WHERE SHEET PILE MEETS REFUSAL DUE TO LOCALIZED HIGH BEDROCK, INSTALL TOE ANCHORS.

NOTES:

TYPICAL DETAIL AT EXISTING FILL LOCATIONS

TYPICAL SLAB JOINT LAYOUT (SCENARIO 'C')
EXISTING AND REMOVALS

SOUTH BREAKWATER EXTENSION

EXISTING

REHABILITATED

NOTES:

1. WHERE COLOURS IN FULL COLOUR ARE OBSERVED, THAT COLOUR IS INDICATIVE ONLY AND SHADINGS AND SKETCHES ON THIS DRAWING ARE DRAWN IN BLACK AND WHITE.

2. LINES AND DIMENSIONS SHOWN IN BLACK AND WHITE ON THIS DRAWING ARE FOR INFORMATION PURPOSES ONLY AND NOT TO SCALE.

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EXISTING AND REMOVALS

REHABILITATED

SOUTH BREAKWATER EXTENSION
(POSITION ON SHEET 30905-01 R2001.00 - LOVSE "J" - AS BUILT, OTHER SURWAYS SIMILAR)

REHABILITATED

AS NOTED

LEGEND

CONCRETE REMOVALS

REMOVALS

SCALE:

T.G.

AUGUST 2019

SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION
PORT ELGIN, ONTARIO
SOUTH BREAKWATER
REPAIRS

DESCRIPTION:

SOUTH BREAKWATER
SECTIONS - 3

PROJECT:

CLASS:

LOCATION:

DRAWN:

APPROVED:

DATE:

DATE:

DRAWING NO.:

LOCATOR CODE:

REVISION:

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J.P.

PORT ELGIN, ONTARIO

519.673.0510

NOTES:
1. DEPTH OF
2. DATE

L127x76x9.5 (EACH SIDE)

1. FIELD WELDING SHALL BE COMPLETED ABOVE EXISTING WATER LEVEL.

T/CONC.

GRAB BAR

PILING WALL

RADIUS ALL

100

300

DIA. BAR (WELDED LADDER RUNG 19 TO ANGLE)

LADDER RUNG 19 DIA. BUOY

19 DIA. BAR

13 DIA. HEAVY DUTY SCREW ANCHOR @ 150x150 GRID SPECIFIED)

PORT ELGIN, ONTARIO

SOUTH BREAKWATER REPAIRS

SMALL CRAFT HARBOURS CENTRAL AND ARCTIC REGION

T.G.

AUGUST 2019

T.G.

AUGUST 2019

PORT ELGIN, ONTARIO

4770

1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE SPECIFICATIONS. TOUCH UP COATINGS FOLLOWING STEEL CAP SHALL RECEIVE AN EPOXY COATING (AS PER CONCRETE REPAIR WITH EXISTING REINFORCING STEEL

REPAIR NOTES:

1. TYPICAL LOCATIONS AND AREAS OF REPAIR ARE INDICATED ON DRAWING. THE ACTUAL LOCATIONS AND AREAS OF REPAIR WILL BE DETERMINED CONCURRENTLY WITH THE CONTRACT ADMINISTRATOR.

2. REFRESH TO ORIINAL SURFACE, UNLESS OTHERWISE INSTRUCTED BY THE CONTRACT ADMINISTRATOR.

3. CONCRETE REMOVALS SHALL BE MADE BY A VISUAL AND DELAMINATION SURVEY.

4. REFRESH TO ORIINAL SURFACE, UNLESS OTHERWISE INSTRUCTED BY THE CONTRACT ADMINISTRATOR.

5. DEEPER REMOVALS WILL BE REQUIRED IF REPAIR UNATTACHED CONCRETE IS ENCOUNTERED BELOW THE SECOND LAYER OF REINFORCING STEEL.

6. REMOVE AND REPAIR CONCRETE BOUNDARY REMOVALS ARE IN CONTRACT+. REMOVE AND REPAIR CONCRETE BOUNDARY REMOVALS ARE TO BE DETERMINED IN THE FIELD WITH CONTRACT ADMINISTRATOR.

CONCRETE REPAIR WITHOUT EXISTING REINFORCING STEEL

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CONCRETE REMOVAL/REPAIR DETAIL

ELEVATION

VERTICAL SURFACE REMOVAL/REPAIR DETAIL

EMERGENCY LADDER DETAIL

SECTION

P L A N

D I A L E T A I L

GRAB BAR DETAIL

P L A N

D I A L E T A I L

S E C T I O N

P L A N

D I A L E T A I L

S E C T I O N

P L A N

D I A L E T A I L

S E C T I O N

P L A N

D I A L E T A I L

S E C T I O N

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LADDER RUNG 19 DIA. BUOY

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PORT ELGIN, ONTARIO

SOUTH BREAKWATER REPAIRS

SMALL CRAFT HARBOURS CENTRAL AND ARCTIC REGION

T.G.

AUGUST 2019

T.G.

AUGUST 2019

PORT ELGIN, ONTARIO

4770

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CONCRETE REMOVAL/REPAIR DETAIL

ELEVATION

VERTICAL SURFACE REMOVAL/REPAIR DETAIL

EMERGENCY LADDER DETAIL

SECTION

P L A N

D I A L E T A I L

GRAB BAR DETAIL

P L A N

D I A L E T A I L

S E C T I O N

P L A N

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SMALL CRAFT HARBOURS CENTRAL AND ARCTIC REGION

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