BROADWAY / N. DIVISION / DETROIT STREET
PLANTER WALL AND SIDEWALK REPAIR

NOTE:
The construction covered by these plans shall comply with the City of Ann Arbor Public Services Department Standard Specifications which are included by reference.

For protection of underlying utilities, and in conformance with Public Act No. 1999-325, the contractor shall call before excavation. The location of any utilities not shown on the plans are not necessarily known. This does not relieve the contractor of the responsibility of determining utility owners and may not be a part of the "Miss Dig" alert system.

The City of Ann Arbor assumes no responsibility for the actual representations in this drawing, with the owner to be contacted prior to construction to locate these utilities.

The improvements covered by these plans shall be performed in accordance with the Michigan Department of Transportation 2012 Standard Specifications for Construction (including referenced AASHTO publications), and this Project's Contract Documents.

The property improvements covered by these plans are designed in accordance with the City of Ann Arbor Planning, Design and Implementation of Pedestrian Facilities and Traffic Control Guidelines.

All exposed concrete wall corners shown on the plans shall be finished with 1 1/2" triangular molding except as otherwise noted.

Unless otherwise shown on the plans, provide aluminum concrete clear cover for reinforcement according to the following:

Concrete Cover Against Earth: 3 in.
Concrete Cover Against Water: 4 in.

All other clear cover shown on plans: 2 in.

The design of the structural members is based on material of the following grades and strengths:

Steel Reinforcement
fy = 60,000 PSI
f'c = 3,500 PSI
fy = 60,000 PSI

CONCRETE GRADE S2
CONCRETE CAST AGAINST EARTH

Project Manager
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MI License No. 38748

Project Engineer
Vincent Guadagni, P.E.
MI License No. 40036

Prepared under the supervision of

Prepared Under The Direction Of

MICHAEL NEARYNG, P.E.
VINCENT GUADAGNI, P.E.
NOTE: THE CONTRACTOR SHALL SAVE AND PROTECT ALL TREES FROM DAMAGE.

QUANTITIES

- 100 Syd Sidewalk, Rem
- 6 Fic Curb, Rem
- 1 Ea Sign, Rem, Salv, Reinstall

LEGEND

DENOTES SIDEWALK REMOVAL

DENOTES WALL REMOVAL

NOTE: THE CONTRACTOR SHALL SAVE AND PROTECT ALL TREES FROM DAMAGE.

ALL TREES FROM DAMAGE

NOTE: THE CONTRACTOR SHALL SAVE AND PROTECT ALL TREES FROM DAMAGE.

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NOTES:

1. See phasing plan for joint filler locations.
2. Toed joints, 1/2" joint filler and curb grinding are included in bid item general work, curb. SAWCUT and/or GRIND CURB HEAD.
3. SIDEWALK GRADING includes work under sidewalks, walls, and paver panels.

SIDEWALK PLAN - JOINT LAYOUT

SAWCUT AND/OR GRIND CURB HEAD IN FRONT OF DETECTABLE WARNING TO MEET ADA STANDARDS.
NOTE: THE CONTRACTOR SHALL CREATE AND MAINTAIN A CONCRETE DEBRIS AREA THAT KEEPS ALL CONCRETE DEBRIS FROM THE EXISTING ROADWAY AND SURROUNDING AREA.

NOTE: SIDEWALK MUST BE POURED WITH THE FOLLOWING PHASING PLAN:

1-DENOTES PHASE 1
2-DENOTES PHASE 2
3-DENOTES PHASE 3
4-DENOTES PHASE 4

PLACE JOINT FILLER ALONG WALL IN BETWEEN ADJACENT PHASING CONCRETE POURS AND BACK OF CURB.

NOTE: THE CONTRACTOR SHALL CREATE SEPARATE CONCRETE POURS PROPOSED BULKHEAD JOINT TO DENOTES LOCATION OF AREA. THE EXISTING ROADWAY AND SURROUNDING THAT KEEPS ALL CONCRETE DEBRIS FROM AND MAINTAIN A CONCRETE WASHOUT AREA.

NOTES:

SIDEWALK PLAN - JOINT PHASING

SIDEWALK DETAILS
WALL REMOVAL SECTION

WALL BACKFILL SECTION

PAVER PLAN

PAVER PANEL WITH INTEGRAL CURB DETAILS

QUANTITIES

| 14 | CYD | ELEVATION PIN |
| 15 | CYD | BENT WRENCH, 6" |
| 161 | CYD | STRUCTURAL SORPTION, 6" |
| 18 | CYD | CONG, CARB 25 |
| 156 | CYD | REBAR, 1/2" | 3/16" | STEEL, 6" | 16 | BAR | EA040506 | BAR | 4" |
| 20 | EA | TIE, ROUND | 3/16" | EA040008 | BARS | 5/16" | INCH |

CURB REPAIR DETAIL

1. COMPLETE REMOVAL OF EXISTING CURB AND REALIGNMENT OF CURB EDGE FROM ELEVATION.
2. HAND CHIP LEVEL TO REMOVE EXISTING CURB AND SAND BASE.
3. INSTALL 6" SIDEWALK AND REMOVE EXIST SIDEWALK AND SAND BASE.
4. INSTALL BENT WRENCH, 6".
5. INSTALL STRUCTURAL SORPTION, 6".
6. INSTALL CONG, CARB 25.
7. INSTALL REBAR, 1/2" | 3/16" | STEEL, 6" | 4" |
8. INSTALL TIE, ROUND | 3/16" | 5/16" | INCH |

NOTE: PANEL CONSTRUCTION INCLUDED IN BID ITEM "SIDEWALK RAMP, CONC, 6 INCH, MODIFIED". 
REPLACE PORTIONS "STRUCTURES, REHABILITATION, EXCAVATION, FDN" WITH "BACKFILL, STRUCTURE, CIP". 
REPLACEMENT PORTIONS "STRUCTURES, REHABILITATION, REM PORTIONS" INCLUDED IN BID ITEM "CURB, REM".

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

WALL DETAILS
NORTH WALL PLAN

NORTH WALL ELEVATION

NORTHERN WALL CONSTRUCTION REQUIRED TO BE IN 2" STAGE FOR 7'-0" MAX

NORTH WALL DETAILS

STEEL REINFORCEMENT TABLE

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REINFORCEMENT, STEEL, EPOXY COATED
IN BID ITEMS "CONCRETE, GRADE S2" AND NOTE: WALL CONSTRUCTION INCLUDED

TOTAL WEIGHT

161 (LBS)

REHABILITATION, REPAIR, REPORTS
IN BID ITEM "STRUCTURES, 1'-0" BEYOND SAWCUT. INCLUDE REINFORCEMENT A MINIMUM OF 6" RETAIN EXIST LONGITUDINAL FROM THE EXISTING ROADWAY AND SURROUNDING AREA.

CONCRETE WASHOUT AREA THAT KEEPS ALL CONCRETE DEBRIS
NOTE: THE CONTRACTOR SHALL CREATE AND MAINTAIN A