



# CITY OF ANN ARBOR PROJECT MANAGEMENT

## 2014 ANNUAL RESURFACING PROGRAM

BID No. 4325, FILE No. 2014004



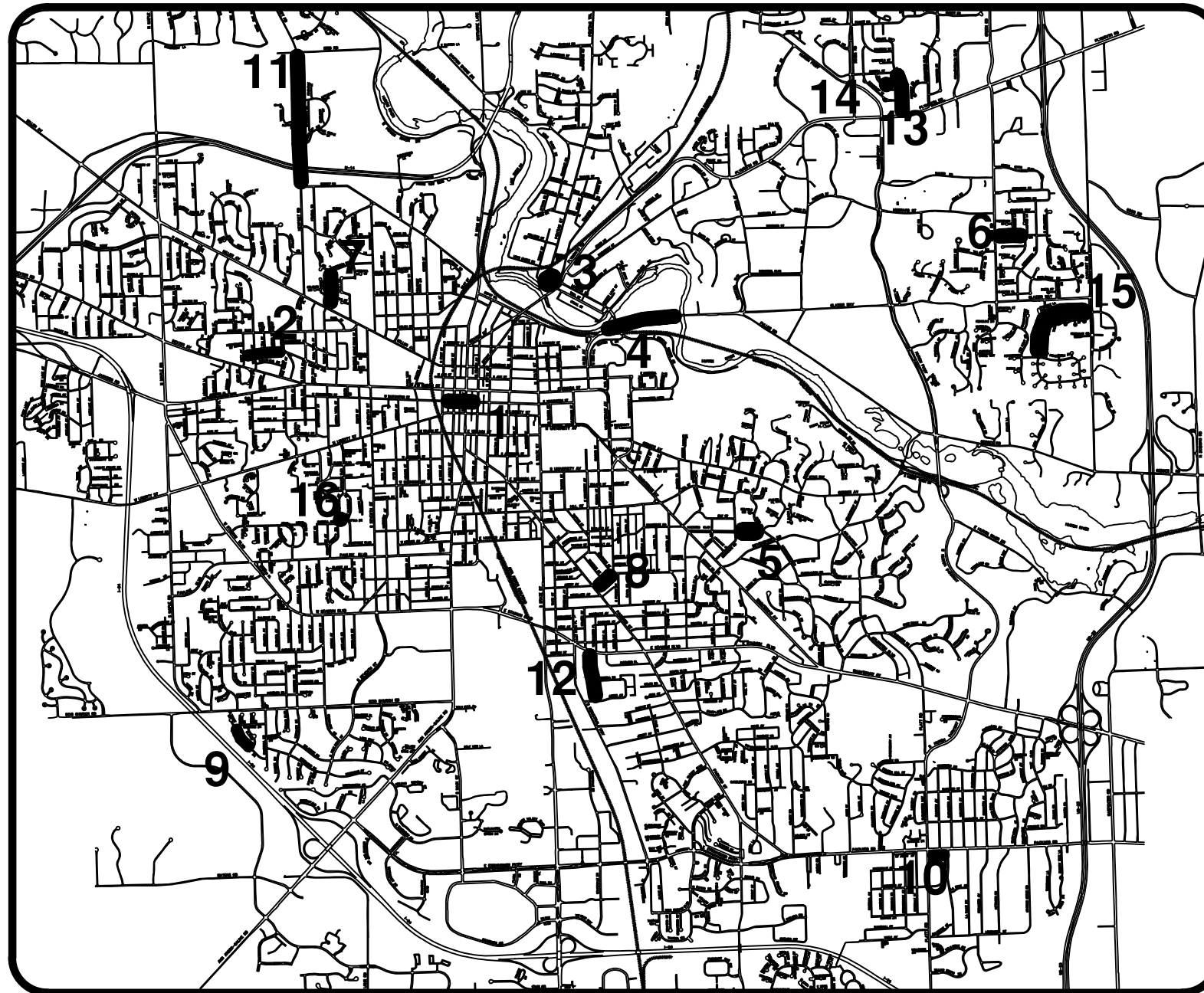
### SHEET INDEX

SHEET NO.	TITLE	MAP NO. (THIS SHEET)
1	COVER SHEET	
2	TRAFFIC CALMING DETAILS	
3-11	Washington St.	1
12-16	Linwood Ave.	2
17-19	Northside Grill Alley	3
20-39	Fuller Rd.	4
40-46	Vinewood Dr.	5
*	Larchmont St.	6
*	Pomona St.	7
*	Wells St.	8
47-50	Steeplechase St.	9
51-53	St. Aubin	10
54-79	Newport Rd.	11
80-84	Woodbury Dr.	12
85-89	Prairie St.	13
90-91	Burlington Ct.	14
92-102	Waldenwood Dr.	15
**	Manhattan Dr.	16

\* See Traffic Calming Details.  
\*\* 887 Manhattan Dr., Driveway Repair.

### WASTE COLLECTION SCHEDULE

STREET	COLLECTION DAY
Washington St.	MONDAY
Linwood Ave.	FRIDAY
Northside Grill Alley	WEDNESDAY
Fuller Rd.	WEDNESDAY
Vinewood Dr.	WEDNESDAY
Larchmont St.	TUESDAY
Pomona St.	FRIDAY
Wells Rd.	TUESDAY
Steeplechase St.	THURSDAY
St. Aubin	MONDAY
Newport Rd.	FRIDAY
Woodbury Dr.	MONDAY
Prairie St.	WEDNESDAY
Burlington Ct.	TUESDAY
Waldenwood Dr.	TUESDAY
Manhattan Dr.	THURSDAY



### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

NICHOLAS S. HUTCHINSON, P.E. - MI LICENSE No. 46789  
CITY ENGINEER

DATE

PREPARED UNDER THE SUPERVISION OF

ELIZABETH ROLLA, P.E. - MI LICENSE No. 40106  
PROJECT MANAGER

DATE

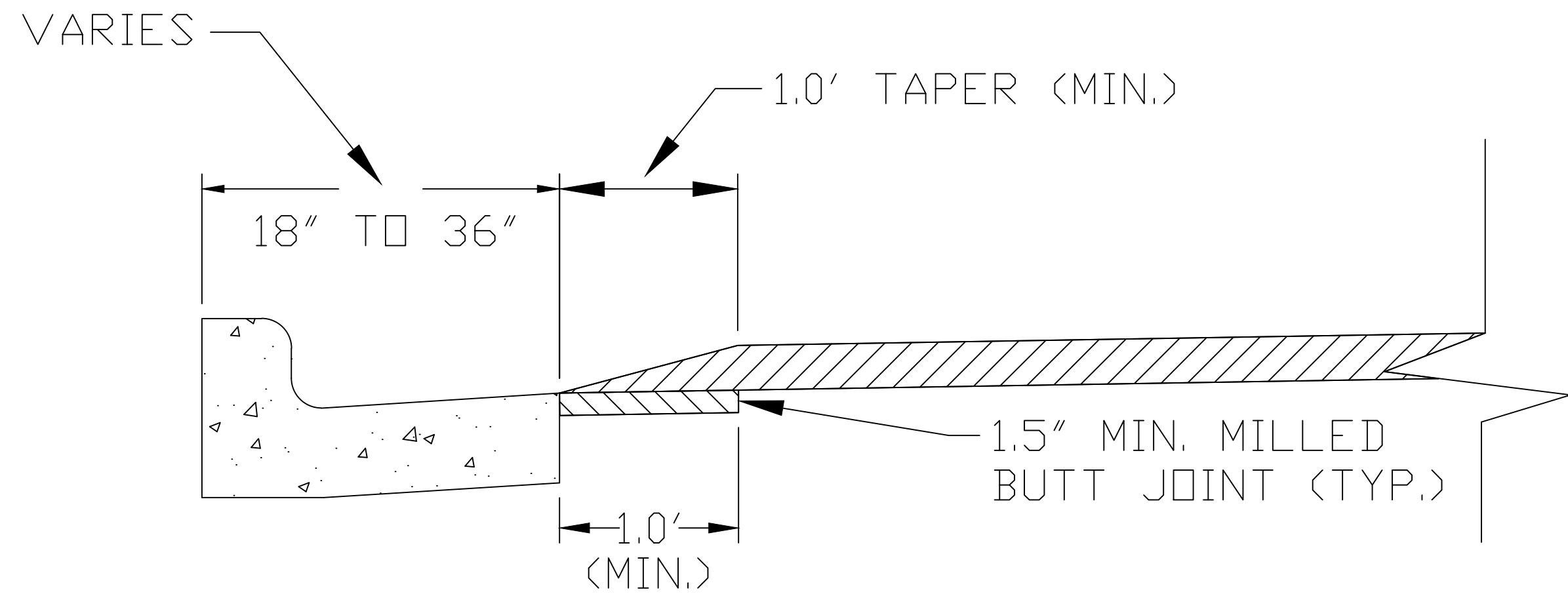
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

PROJECT DESCRIPTION AND LIMITS

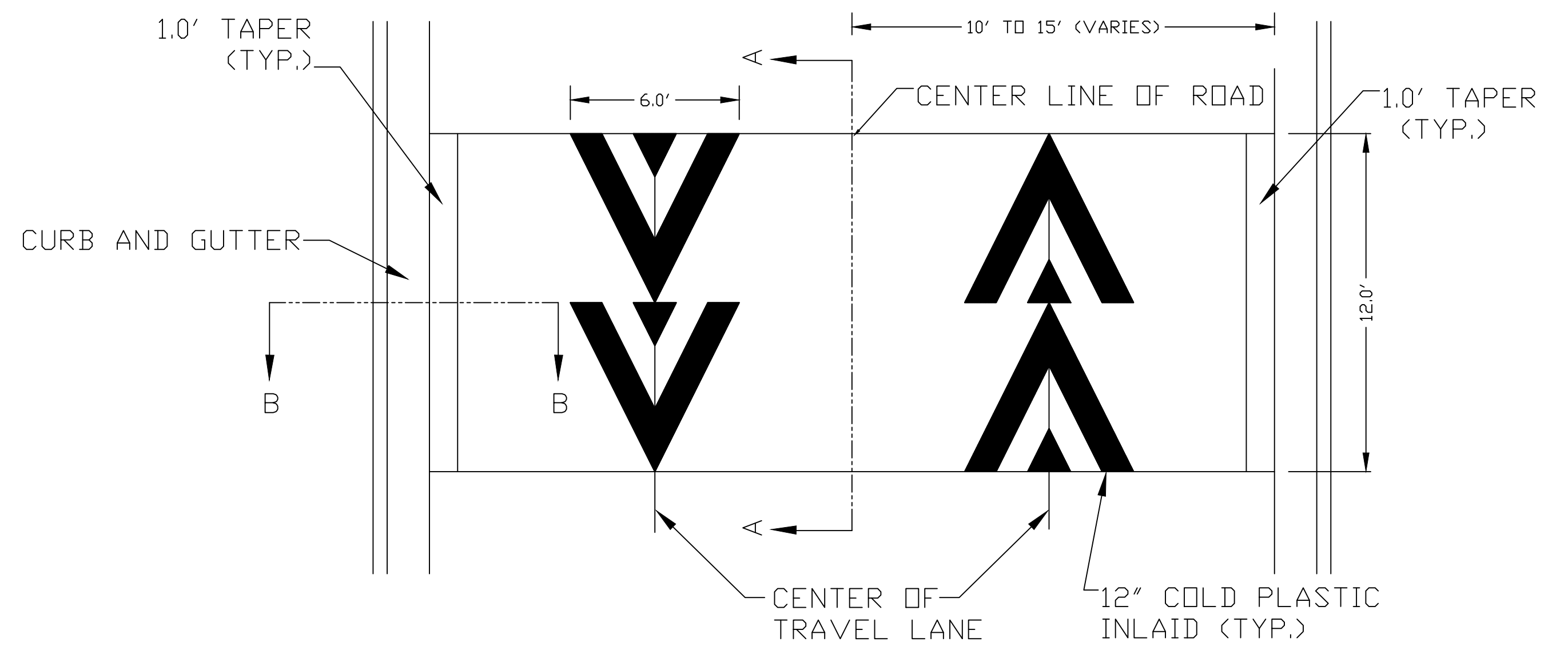
2014004 - 1

1 OF 105

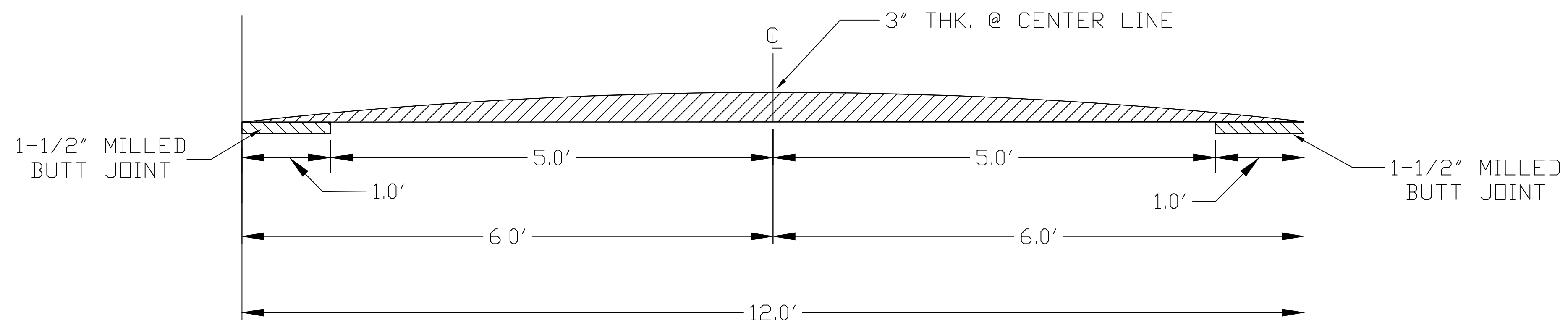
\\FILES\PSAPub\$Project Management\Design\2013004\_Resurfacing\TRAFFIC CALMING DET.dwg Dwg Created: 18-Jan-13 - \_a2\_standard\_bw.stb - Plot Date: 11-Feb-14



SPEED HUMP CROSS SECTION  
SECTION B-B



PAVEMENT MARKING DETAIL



SPEED HUMP CROSS SECTION  
SECTION A-A

**GENERAL NOTES**

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



REV	DESCRIPTION	DATE	INITIALS	INITIALS
000	ORIGINAL ISSUE	1.18.2013		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
SCALE PLAN: NTS  
DRAWING No. 2014004 - 2  
TRAFFIC CALMING DET. - 24X36



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM PROJECT LOCATION: WASHINGTON STREET

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004Lay-Washington.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
205	Remove HMA Pavement Alleys	Tons	55
207	Cold Mill Pavement	Tons	920
209	Subgrade Undercutting	C.Y.	460
220	HMA Patching	Tons	18
226	HMA Pavement Wearing, 5E3	Tons	400
227	HMA Pavement Base or Leveling, 4E3	Tons	530
230	Rem. Curb & Gutter Any Type	L.F.	670
232	Rem. Conc. SideWalk & Drive - Any Thickness	S.F.	3430
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	540
238	Conc. Curb & Gutter - Any Type - High Early	L.F.	140
240	4" Sidewalk or Ramp	S.F.	850
241	6" Drive, Sidewalk or Ramp	S.F.	1580
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	1100
243	8" Drive, Sidewalk or Ramp - High Early	S.F.	1500
245	Detectable Warning, Cast in Place	S.F.	100
246	Integral Sidewalk Ret. Wall (< 6")	S.F.	20
250	2' Dia. Structure	Each	8
254	Lower Structure Cover	Each	42
255	Lower Mon. / Gate Valve Box	Each	23
256	Adjust Structure Covers	Each	42
257	Adjust Curb Inlet Structure Cover	Each	9
258	Adjust Mon. / Gate Valve Box	Each	23
259	Manhole Flange & Cover (MDOT Type A)	Each	11
260	Inlet Structure Cover (MDOT Type K)	Each	1
264	12" Sewer, Trench Detail I, Modified	L.F.	30
268	Flowable Fill	C.Y.	10
271	21AA Limestone - C.I.P.	C.Y.	460
282	Plastic Drum - Lighted - Furn. & Operate	Each	50
283	Barricade Type III - Furn. & Operate	Each	10
284	Temporary Sign - Type B	S.F.	1090
297	Cold plastic Bike Symbol - "Sharrows"	Each	8
594	Rec. Polyurea Pvm. Mkg., 4" White	L.F.	500
595	Rec. Polyurea Pvm. Mkg., 4" Yellow	L.F.	1500
596	Rec. Polyurea Pvm. Mkg., 6" White or Yellow	L.F.	770
597	Rec. Polyurea Pvm. Mkg., 24" White	L.F.	900
598	Rec. Polyurea Pvm. Mkg., Symbol or Legend	Each	10

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
16	W20-1	"ROAD WORK AHEAD"
16	W20-2	"DETOUR AHEAD"
16	W20-3	"ROAD CLOSED AHEAD"
48	D3-1	CONVENTIONAL GUIDE
10	TYPE III	TYPE III LIGHTED BARRICADE
50	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
10	R11-4	"ROAD CLOSED TO THRU TRAFFIC"

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER. THERE ARE 14 METER BAGS TO BE COVERED.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3-1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

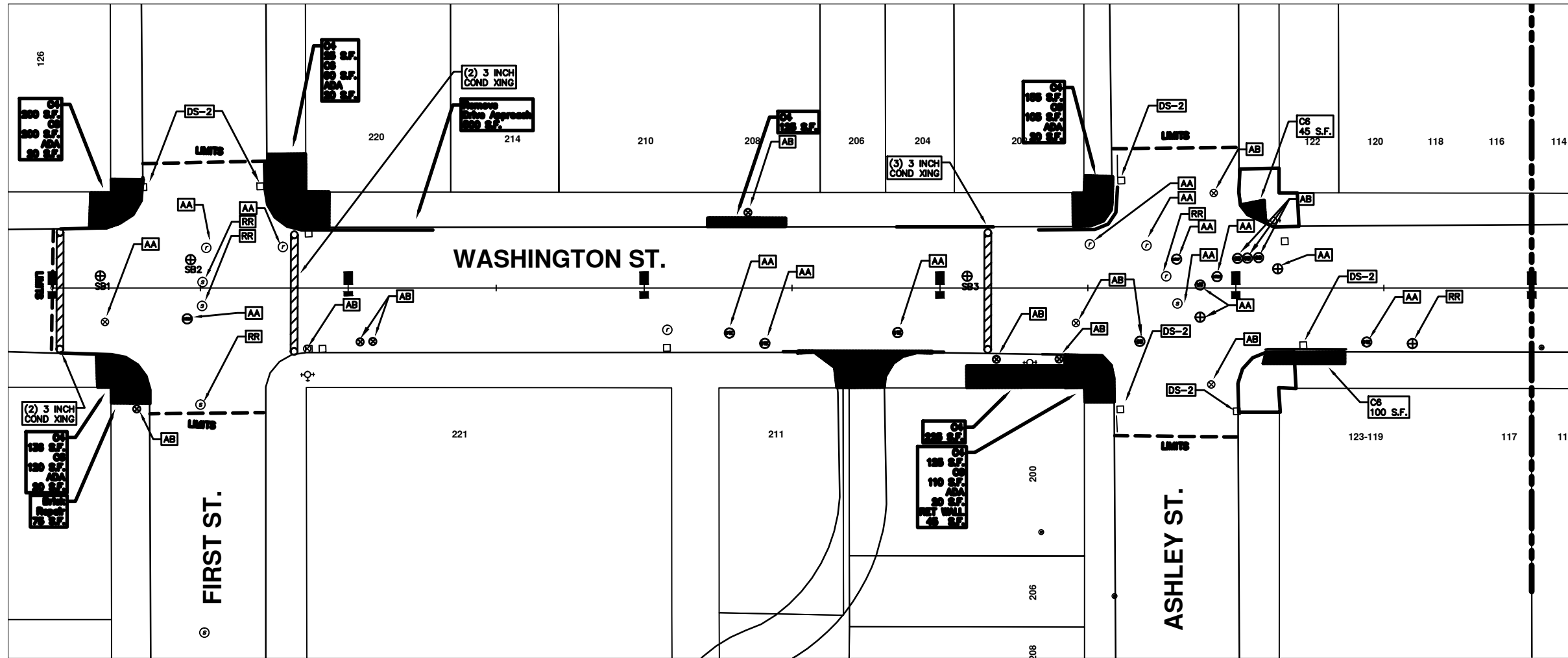
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
WASHINGTON ST.

DRAWING No.  
2014004 - 3

SHEET No.  
3 TO 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004Lay-Washington.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



### WASHINGTON ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NEW, MAKE YOUR EDIT AND SAVE.

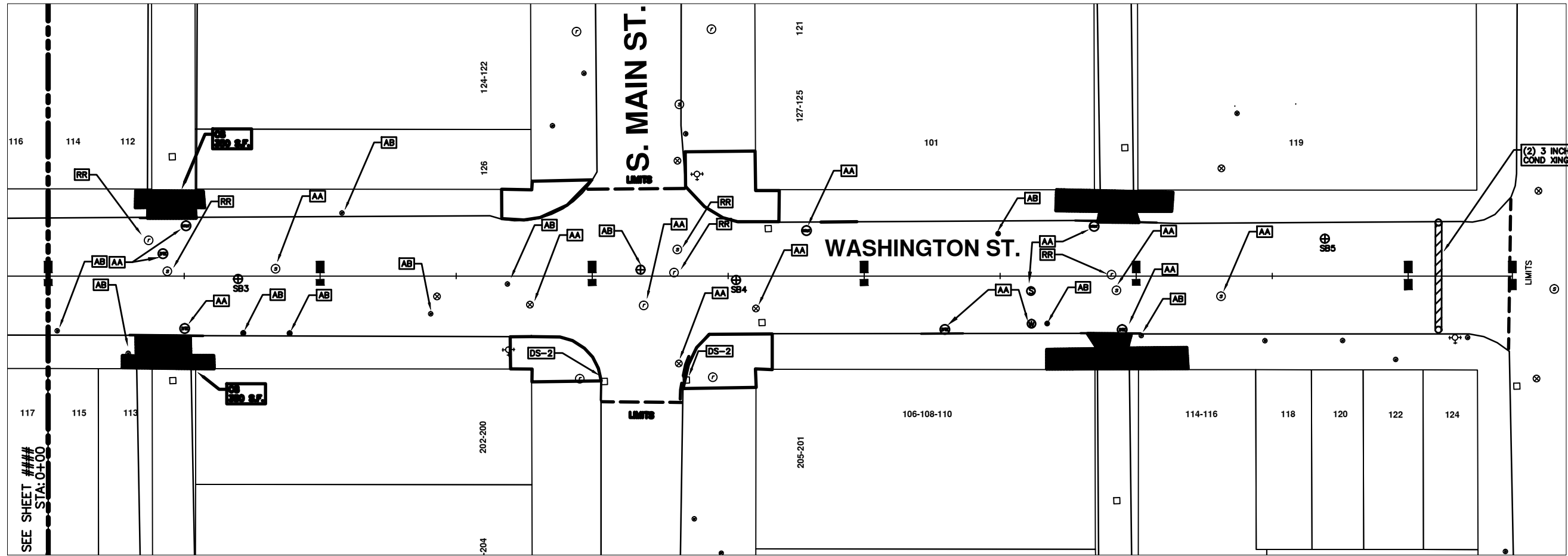


REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004LAY-WASHINGTON - PLAN VIEW (01)

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004Lay-Washington.dwg Dwg Created: 17-Dec-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



S. FOURTH ST.

WASHINGTON ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊕	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NWP, MAKE YOUR EDIT AND SAVE.

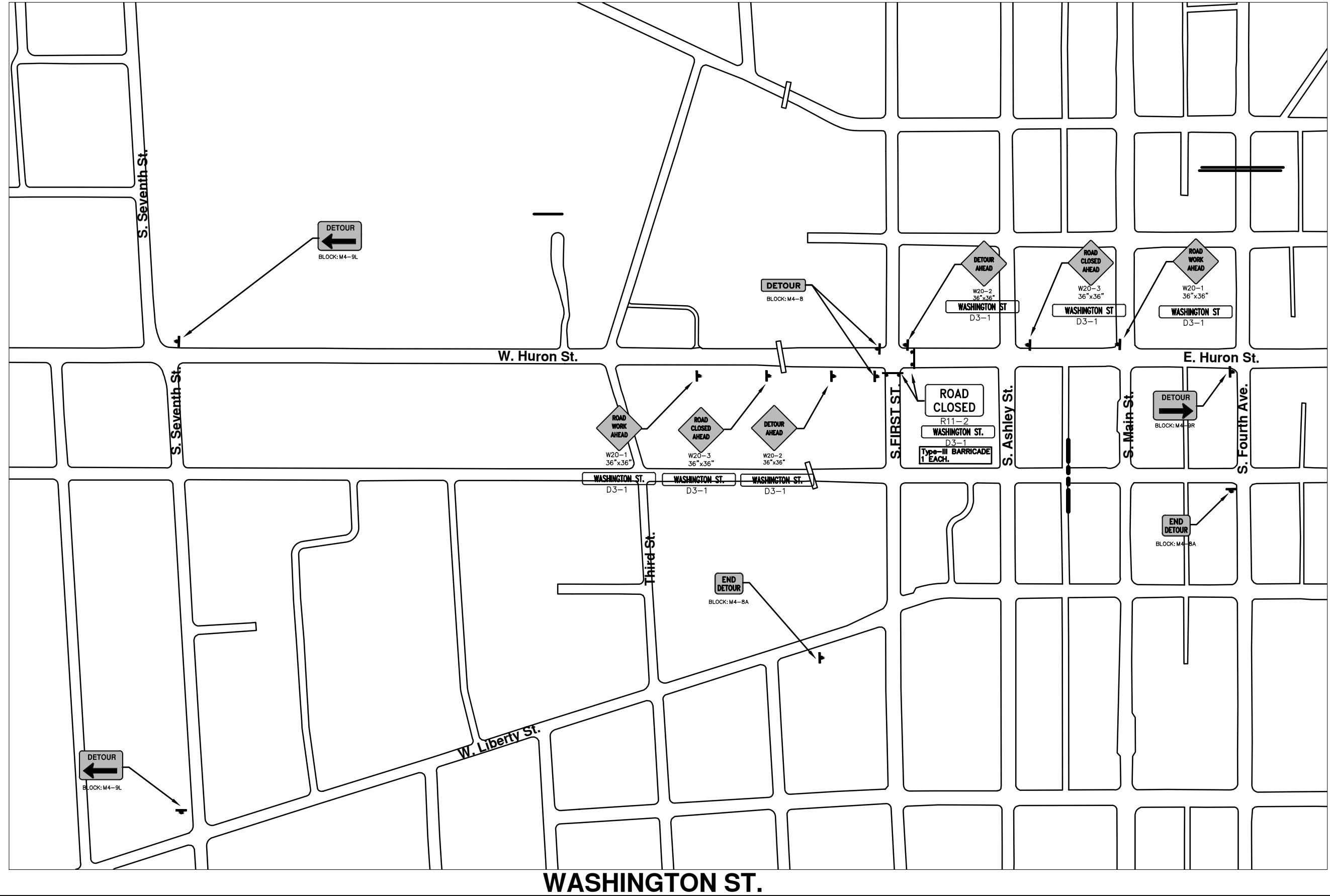


REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004LAY-WASHINGTON - PLAN VIEW (02)

\\FILES\PSAPub\$Project Management\Design\2014004 Resurfacing\Plan Production\Washington II.dwg Dwg Created: 3-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



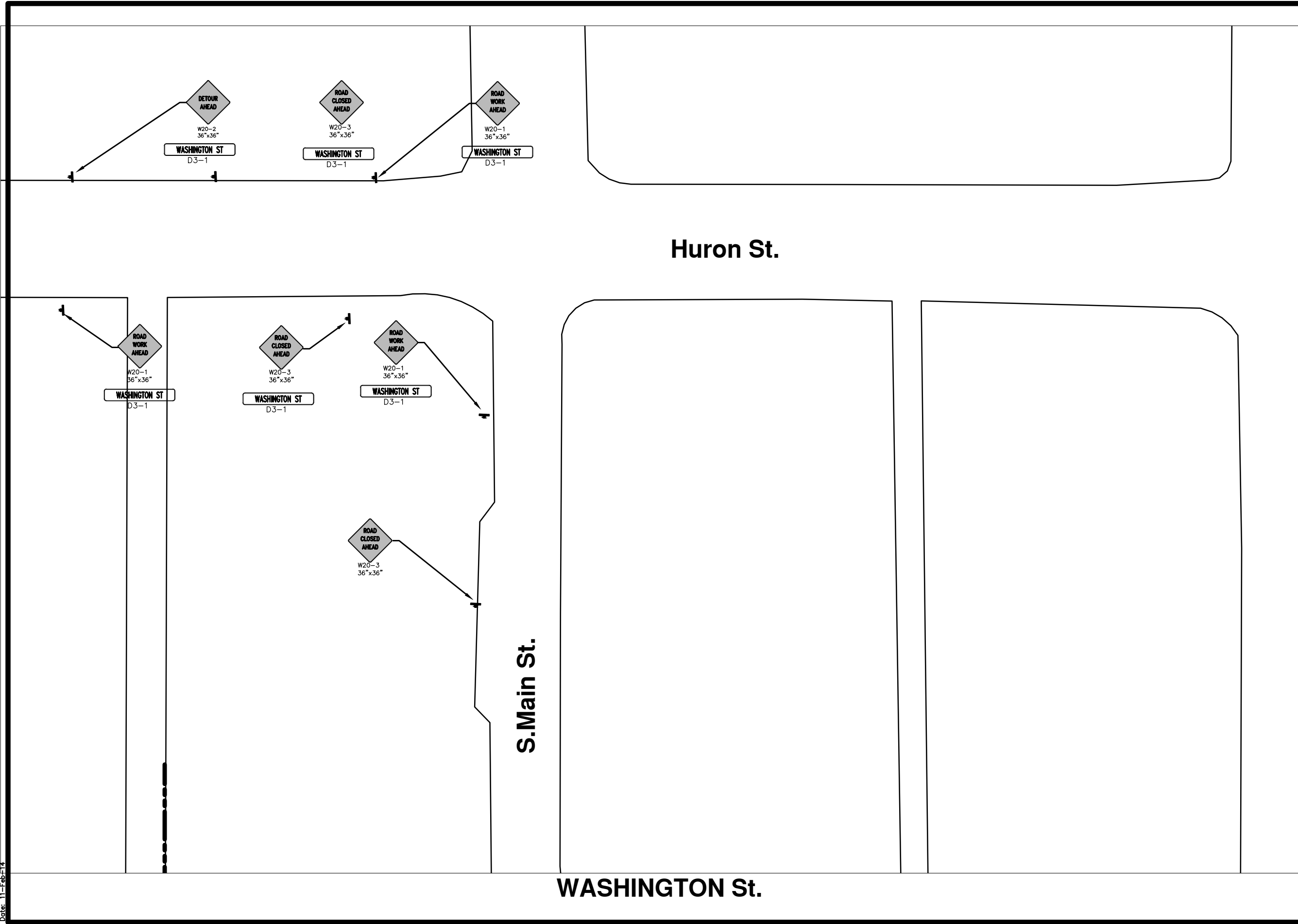
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - MTRF(1)

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-6

\\FILES\PSA\Pub\$Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004MTRF-WASHINGTON II.dwg Dwg Created: 3-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



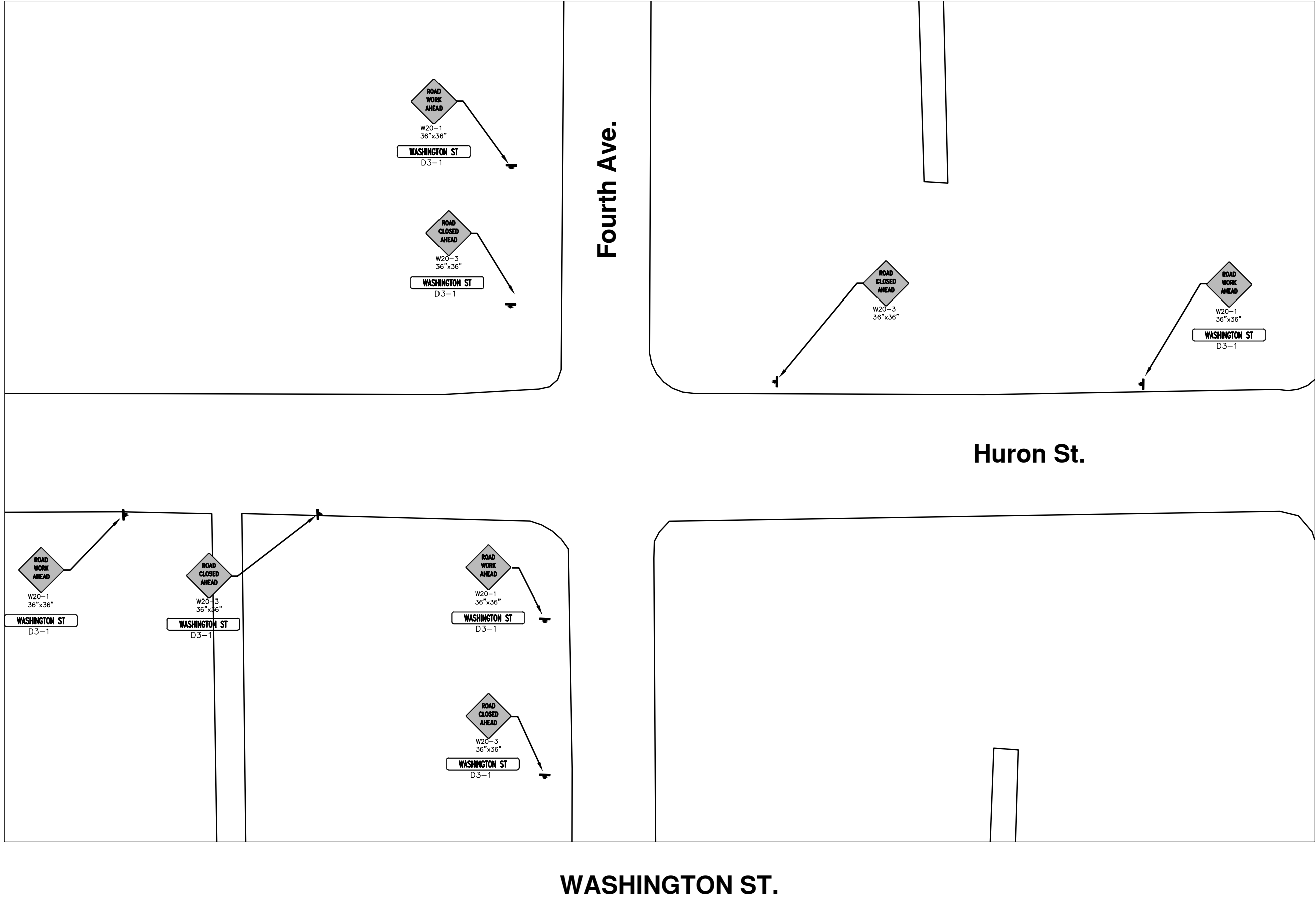
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - MTRF(2)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-7

\\FILES\PSA\pub\$Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004MTRF-WASHINGTON II.dwg Dwg Created: 3-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



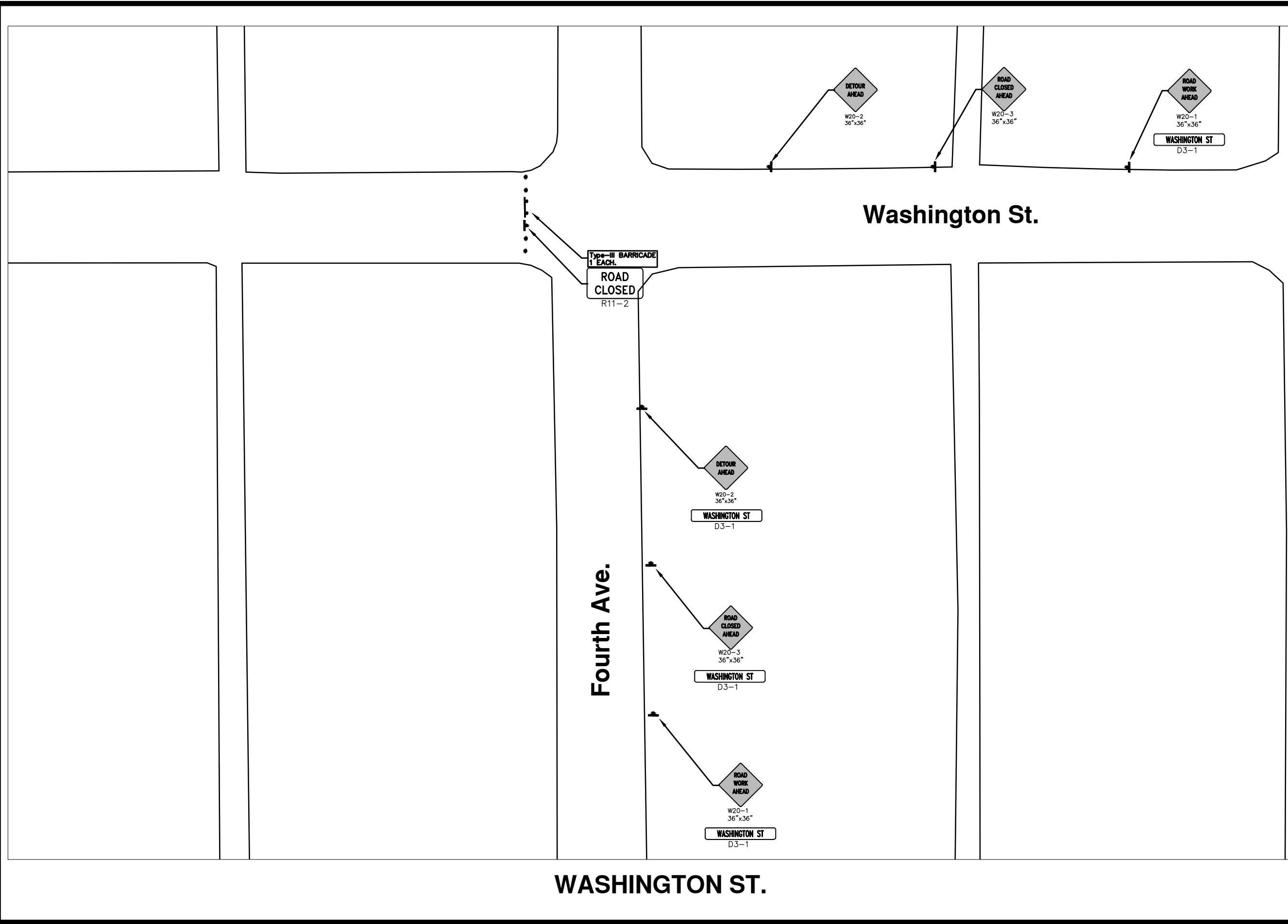
REV.	DATE	DESCRIPTION	OUT FOR BID	DATE	BY	CHECKED



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - MTRF(3)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-8





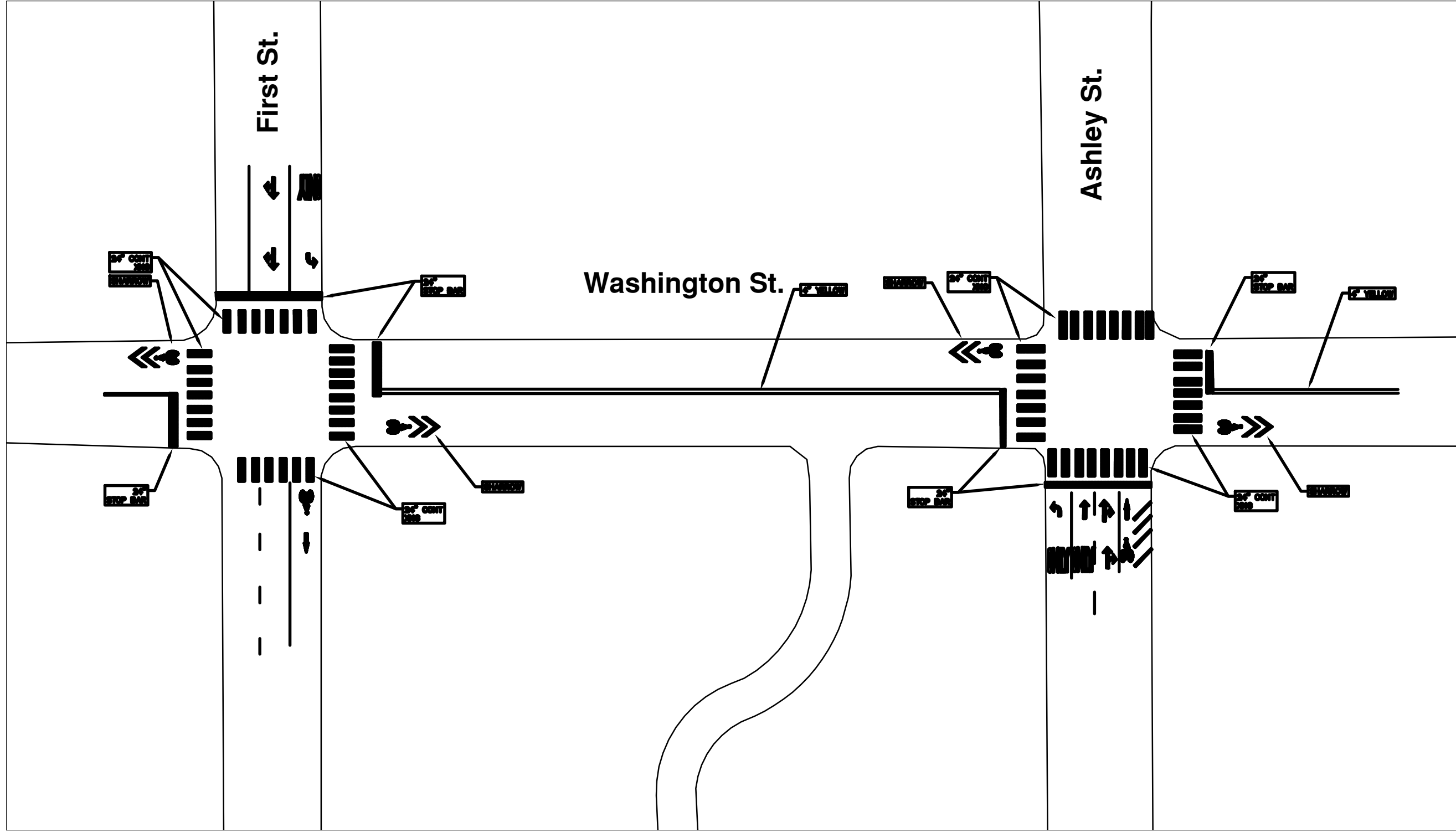
REV.	DESCRIPTION	DATE	BY	CHECKED
00	OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - MTRF(04)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-9

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004MTRF-WASHINGTON II.dwg Dwg Created: 3-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



WASHINGTON ST



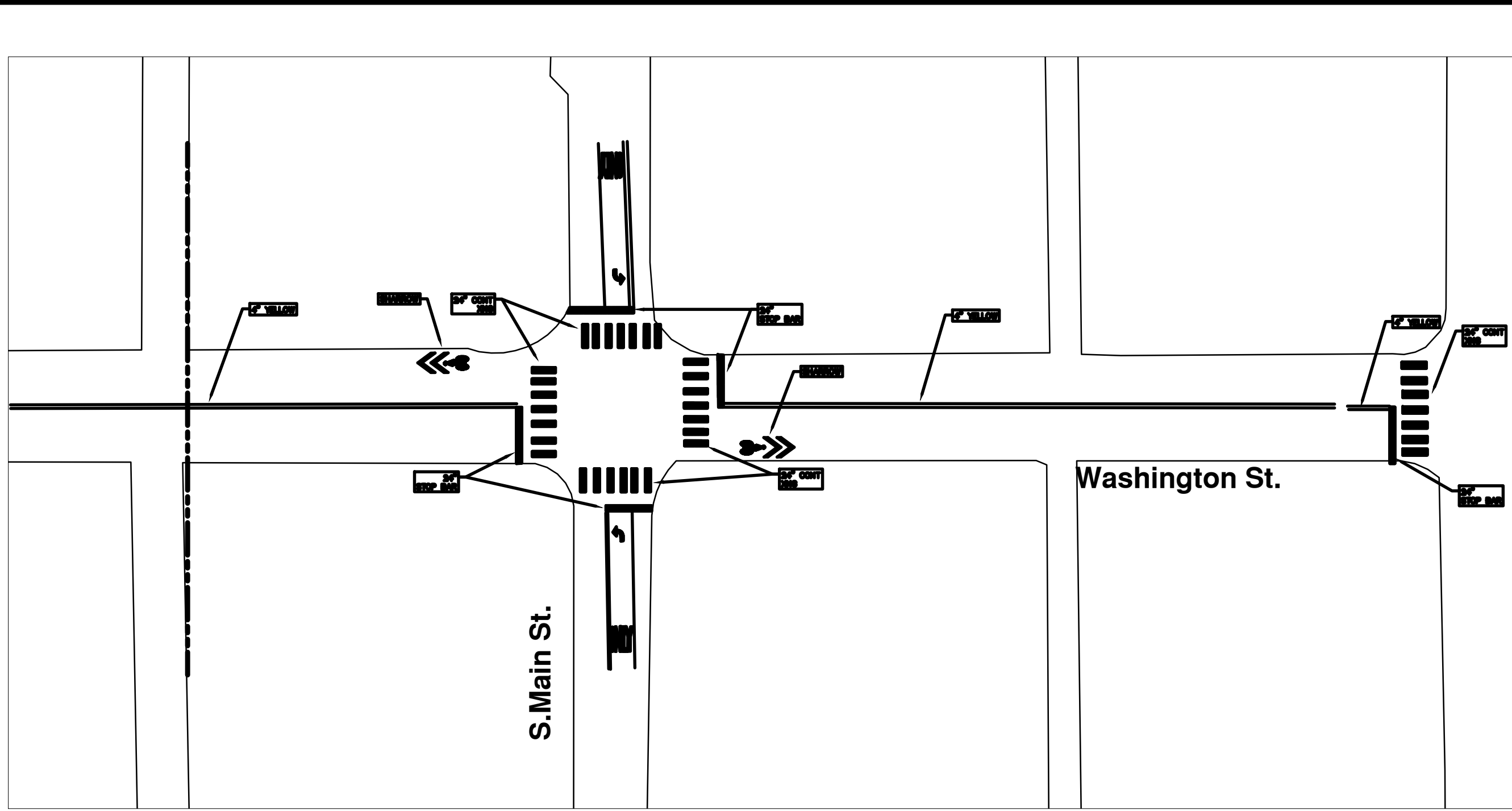
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - PM(1)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-10

\\FILES\PSA\pub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Washington\2014004MTRF-WASHINGTON II.dwg Dwg Created: 3-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



WASHINGTON ST



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WASHINGTON  
 2014004MTRF-WASHINGTON II - PM(2)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-11



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: LINWOOD AVENUE

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Linwood\2014004.dwg Created: 30-Jul-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	1150
209	Subgrade Undercutting - Type II	C.Y.	470
222	HMA Pavement Leveling, Regular	Tons	690
223	HMA Pavement Wearing, Regular	Tons	460
230	Rem. Curb & Gutter, Any Type	L.F.	1540
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	2630
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1540
240	4" Sidewalk or Ramp	S.F.	1730
241	6" Drive, Sidewalk or Ramp	S.F.	910
245	Detectable Warning, Cast in Place	S.F.	120
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	60
250	2' Dia. Structure	Each	7
254	Lower Structure Cover	Each	12
255	Lower Mon./Gate Valve Box	Each	5
256	Adjust Structure Cover	Each	12
257	Adjust Curb Inlet Structure Cover	Each	7
258	Adjust Mon. or Gate Valve Box	Each	5
259	Manhole Flange & Cover (MDOT Type A)	Each	12
264	12" Sewer, Trench Detail I, Modified	L.F.	35
271	21AA Limestone - C.I.P.	C.Y.	470
282	Plastic Drum - Lighted - Furn. & Operate	Each	110
283	Barricade Type III - Furn. & Operate	Each	12
284	Temp Signs Type - B	S.F.	420
285	No Parking Sign	Each	53
596	Rec. Polyurea Pvmt. Mkg., 6" White or Yellow	L.F.	525
597	Rec. Polyurea Pvmt. Mkg., 24" White	L.F.	60

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
15	W20-1	"ROAD WORK AHEAD"
16	W20-3	"ROAD CLOSED AHEAD"
32	D3-1	CONVENTIONAL GUIDE
12	TYPE III	TYPE III LIGHTED BARRICADE
110	TYPE II	TYPE II BARRICADE DRUM

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 3 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



**PROJECT MANAGEMENT SERVICE UNIT**  
CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

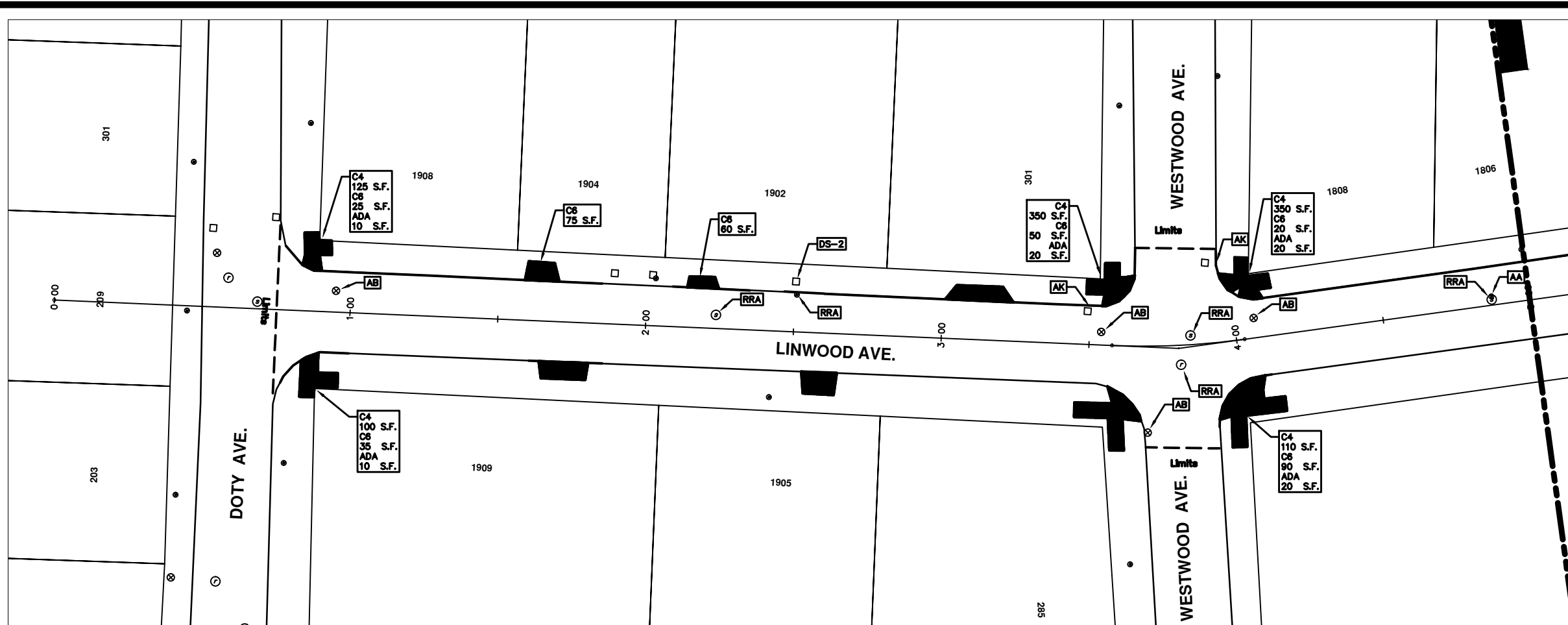
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 RESURFACING  
LINWOOD AVENUE

DRAWING No.  
2014004 - 12

SHEET No.  
12 TO 102

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Linwood\2014004Lay-Linwood.dwg Dwg Created: 30-Jul-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



# LINWOOD AVE.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCOON GAS CO. VALVE BOX/WELL
●	AMENTECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE, MAKE YOUR EDIT AND SAVE.

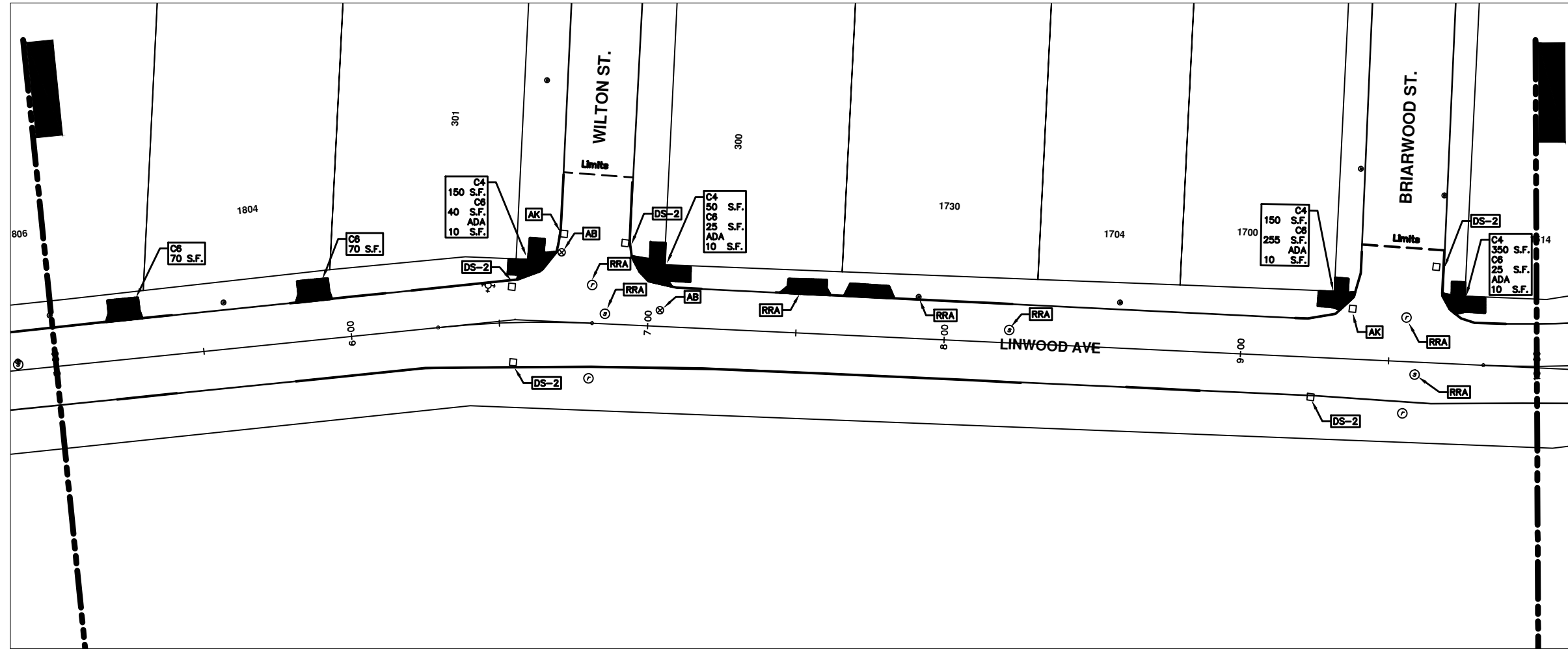


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 LINWOOD  
 2014004LAY-LINWOOD - PLAN VIEW (01)

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Linwood\2014004Lay-Linwood.dwg Dwg Created: 30-Jul-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



## LINWOOD AVE.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
—	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.

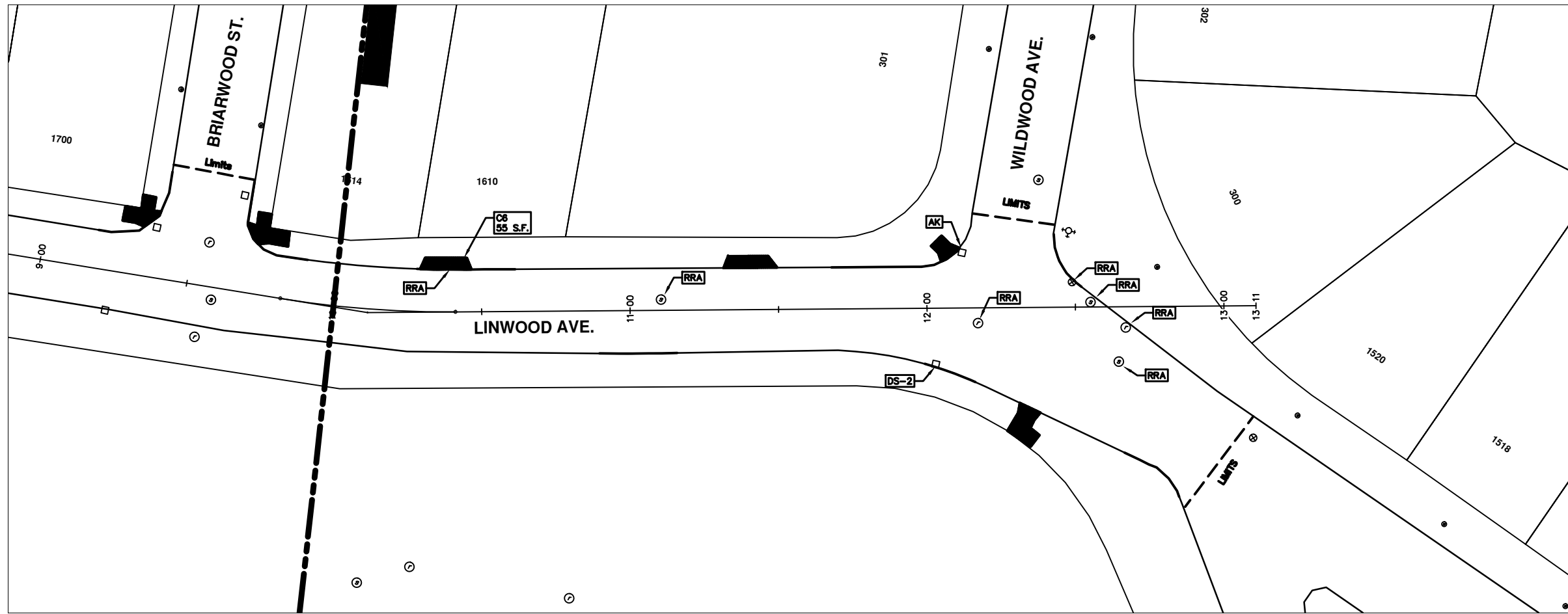


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 LINWOOD  
 2014004LAY-LINWOOD - PLAN VIEW (02)

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Linwood\2014004Lay-Linwood.dwg Dwg Created: 30-Jul-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



# LINWOOD AVE

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMENITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



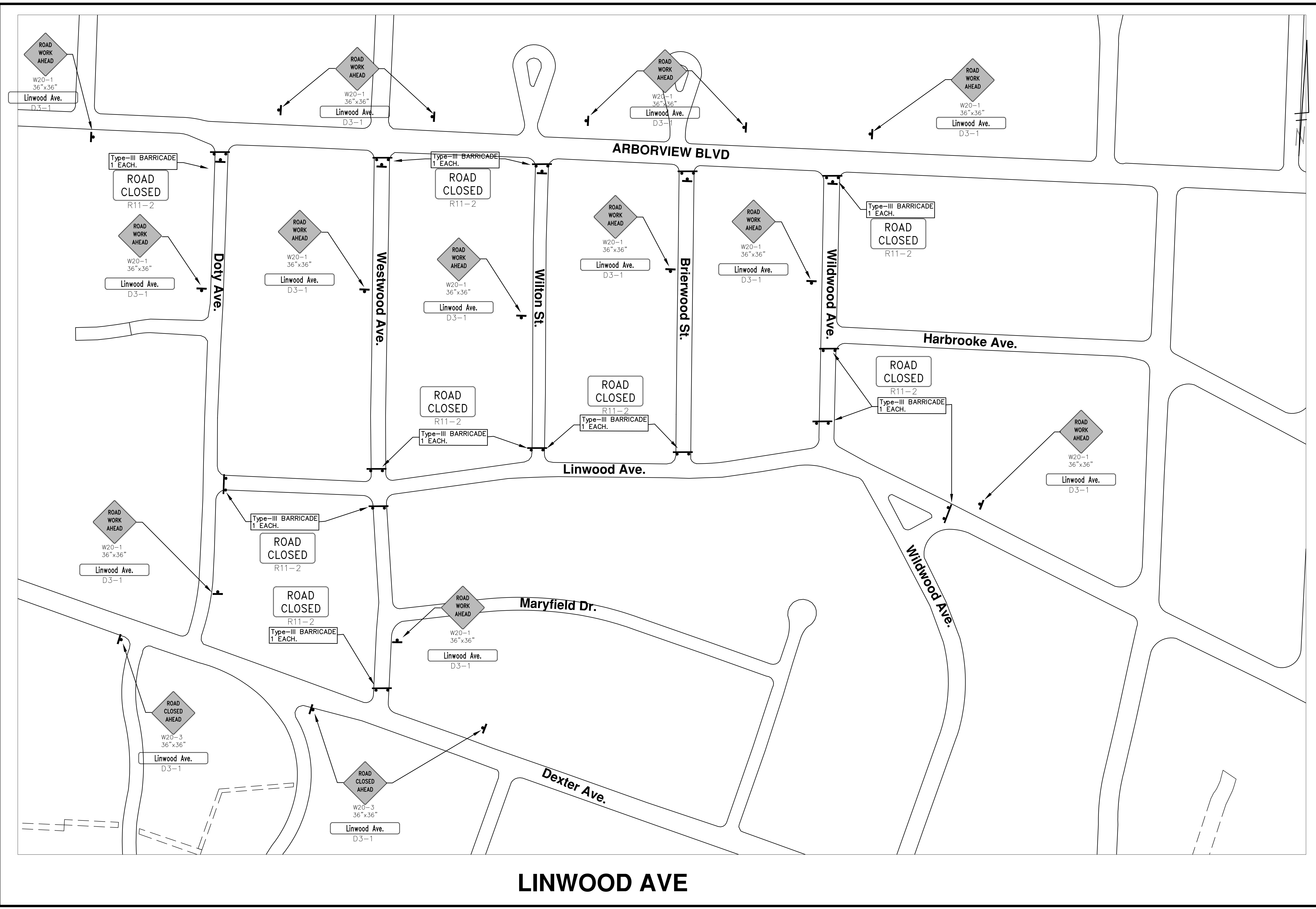
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 LINWOOD  
 2014004LAY-LINWOOD - PLAN VIEW (03)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-15  
 SHEET No.

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Linwood\2014004TRF-Linwood.dwg Dwg Created: 2-Aug-13 --\_g2 standard bw.stb -- Plot Date: 11-Feb-14



# LINWOOD AVE

**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 LINWOOD  
 2014004NITRF-LINWOOD - NITRF

811  
 Know what's below.  
 Call Before you dig.

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

SCALE PLAN: Custom

DRAWING No. **2014004-16**

SHEET No. **16 OF 102**





# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: NORTHSIDE GRILL ALLEY

FILE No. 2014004



S:\Project Management\Design\2014004 Resurfacing\Plan Production\Northside Grill Alley\2014004Loy-Northside Grill Alley.dwg Dwg Created: 30-Jul-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES				TRAFFIC CONTROL & SIGN LEGEND		
ITEM #	DESCRIPTION	Units	Total	QTY.	TYPE	DESCRIPTION
205	Remove HMA Pavement, Alley	Tons	100	2	W20-1	"ROAD WORK AHEAD"
209	Subgrade Undercutting - Type II	C.Y.	150	1	W21-4	"RT. LANE CLOSED AHEAD"
222	HMA Pavement Leveling, Regular	Tons	70	4	D3-1	CONVENTIONAL GUIDE
223	HMA Pavement Wearing, Regular	Tons	40	3	TYPE III	TYPE III LIGHTED BARRICADE
254	Lower Structure Cover	Each	1	35	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
255	Lower Mon. / Gate Valve Box	Each	1	1	TYPE C	LIGHTED ARROW, TYPE C
256	Adjust Structure Cover	Each	1			
258	Adj. Monument or Gate Valve Box	Each	1			
259	Manhole Flange & Cover (MDOT Type A)	Each	1			
271	21AA Limestone - C.I.P.	C.Y.	150			
281	Arrow Panel - Furnish & Operate	Each	1			
282	Plastic Drum - Lighted - Furn. & Operate	Each	35			
283	Barricade Type III - Furn. & Operate	Each	3			
284	Temporary Sign - Type B	S.F.	60			
285	No Parking Sign	Each	4			
594	Rec. Polyurea Pvmt. Mkg., 4" White	L.F.	150			

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. EXCAVATE AND REMOVE 4 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, UNDERCUT AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THIS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

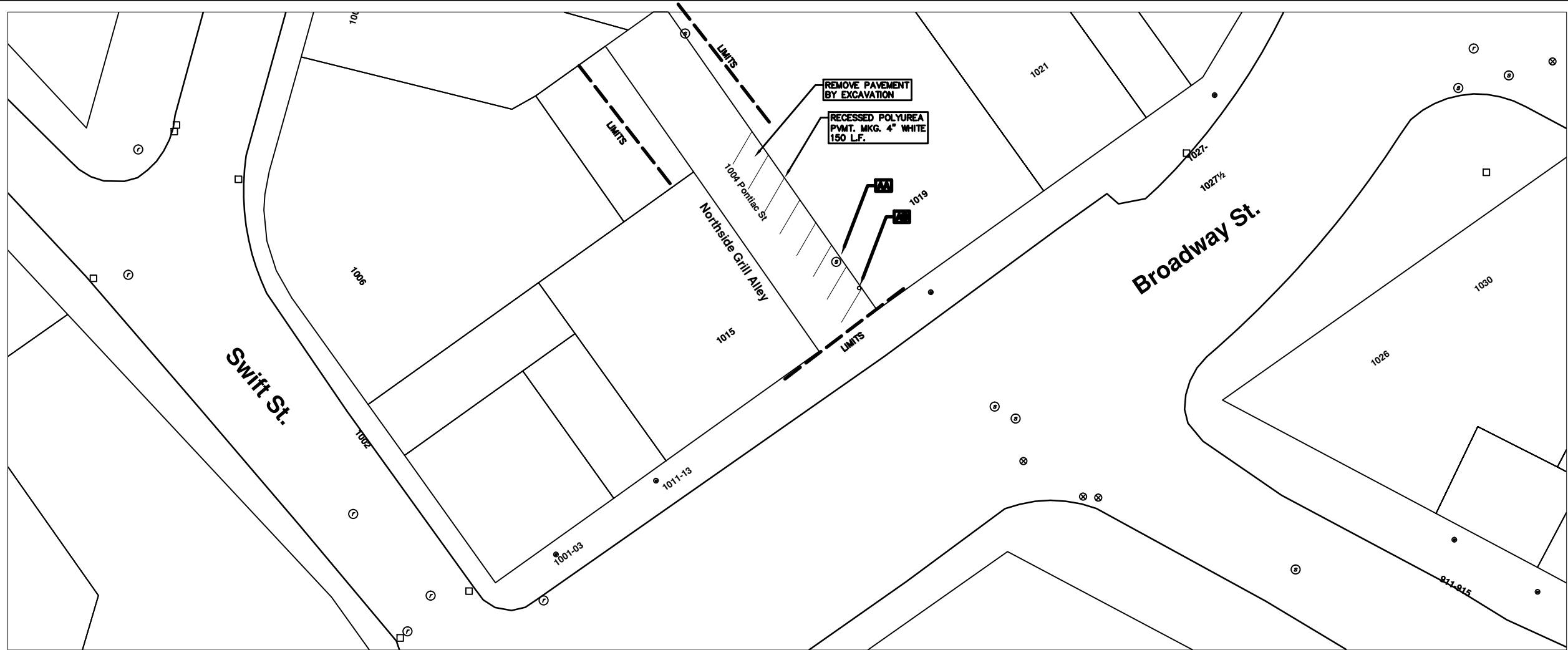
2014 ANNUAL RESURFACING  
NORTHSIDE GRILL ALLEY

DRAWING No.  
2014004 - 17

SHEET No.

17 TO 102

S:\Project Management\Design\2014004 Resurfacing\Plan Production\Northside Grill Alley\2014004-Loy-Northside Grill Alley.dwg Dwg Created: 30-Jul-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## NORTHSIDE GRILL ALLEY

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT -- ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
⊙	EXISTING SANITARY SEWER MANHOLE
⊚	EXISTING STORM SEWER MANHOLE
⊗	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊙	MICHCON GAS CO. VALVE BOX/WELL
⊙	AMERITECH TELEPHONE VAULT
⊙	ELECTRIC MANHOLE
⊕	SOIL BORING
□	EXISTING STORM SEWER INLET
⊠	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

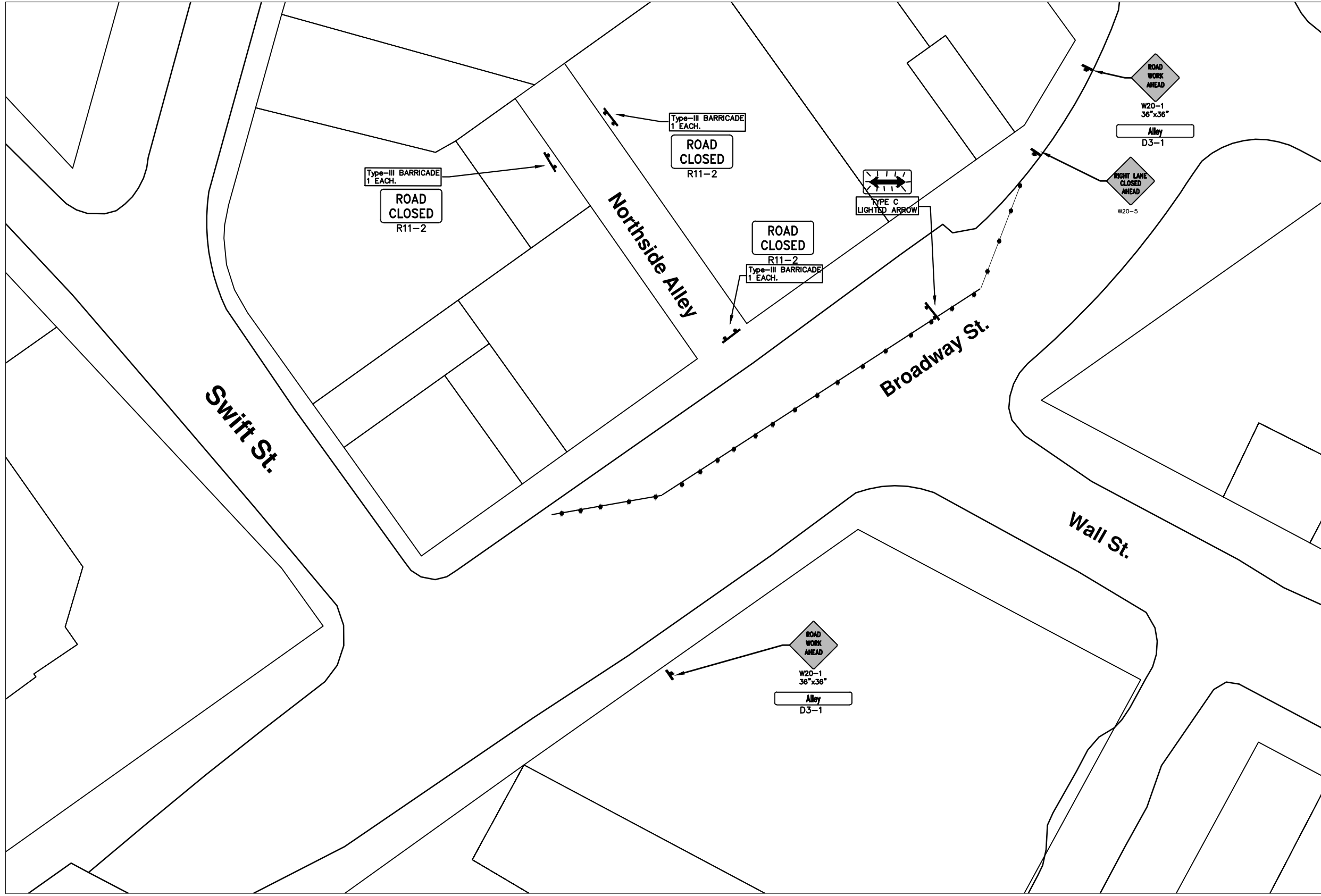
CITY OF ANN ARBOR  
PUBLIC SERVICE DEPARTMENT  
301 EAST WASHINGTON STREET  
ANN ARBOR, MI 48107-8647  
www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
NORTHSIDE GRILL ALLEY  
CONSTRUCTION PLAN

SCALE PLAN: 1" = 20'  
DRAWING No.  
2014004-18

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Northside Grill Alley\2014004Lay-Northside Grill Alley MTRF.dwg Dwg Created: 3-Feb-14 - \_a2 standard  
 bw.stb - Plot Date: 11-Feb-14



**NORTHSIDE ALLEY**



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST WASHINGTON STREET  
 ANN ARBOR, MI 48107-8647  
 www.a2gov.org



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NORTHSIDE GRILL ALLEY  
 2014004-LAY-NORTHSIDE GRILL ALLEY MTRF - TRAFFIC CONTROL

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-19



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: FULLER ROAD

FILE No. 2014004



\\FILES\PSAP\us\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004.dwg Dwg Created: 17-Dec-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	400
207	Cold Milling Pavement	Tons	2720
209	Subgrade Undercutting	C.Y.	1230
220	HMA Patching	Tons	400
226	HMA Pavement Wearing - 5E3	Tons	1170
227	HMA Pavement Base or Leveling - 4E3	Tons	1550
230	Remove Curb & Gutter, Any Type	L.F.	430
232	Remove Conc. S/Walk & Drive - Any Thickness	S.F.	2840
237	Conc. Curb & Gutter - Any type - Fixed Form	L.F.	430
240	4" Sidewalk or Ramp	S.F.	2170
241	6" Drive, Sidewalk or Ramp	S.F.	680
245	Detectable Warning, Cast in Place	S.F.	144
254	Lower Structure Cover	Each	3
256	Adjust Structure Covers	Each	3
257	Adjust Curb Inlet Structure Cover	Each	7
260	Inlet Structure Cover (MDOT Type K)	Each	2
268	Flowable Fill	C.Y.	10
271	21AA Limestone - C.I.P.	C.Y.	1230
281	Arrow Panel, Furn. & Operate	Each	2
282	Plastic Drum - Lighted - Furn. & Operate	Each	200
283	Barricade Type III - Furn. & Operate	Each	7
284	Temp Sign - Type B	S.F.	580
286	Sign, Portable Changeable Mess., Furn.	Each	2
287	Sign, Portable Changeable Mess., Oper.	Each	2
297	Cold Plastic Bike Symbol - "Sharrow"	Each	4
594	Rec. Polyurea Pvmt. Mkg., 4" White	L.F.	1200
595	Rec. Polyurea Pvmt. Mkg., 4" Yellow	L.F.	1436
597	Rec. Polyurea Pvmt. Mkg., 24" White	L.F.	757
598	Rec. Polyurea Pvmt. Mkg., Symbol or Legend	Each	30

TRAFFIC CONTROL & SIGN LEGEND			
QTY.	TYPE	DESCRIPTION	
16	W20-1	"ROAD WORK AHEAD"	
16	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"	
16	D3-1	CONVENTIONAL GUIDE	
7	TYPE III	TYPE III LIGHTED BARRICADE	
200	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)	

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DIRECTED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM DETAIL 7 AND/OR 8 REPAIRS, UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. PAVE 2 INCHES OF THE BITUMINOUS MIX 4E OR AS DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
9. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
10. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX 5E OR AS DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
11. INSTALL ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS OR AS DIRECTED BY THE ENGINEER.
12. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
13. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

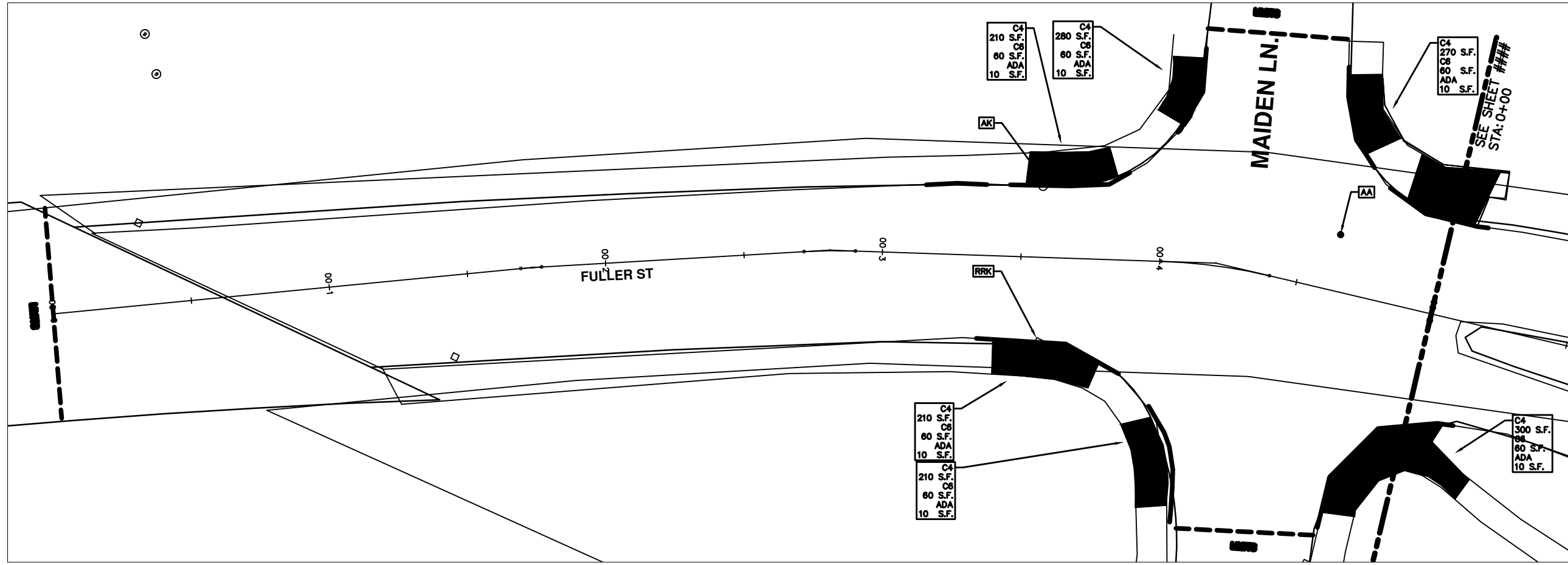
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
FULLER ROAD

DRAWING No.  
2014004 - 20

SHEET No.  
20 TO 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller.dwg Dwg Created: 17-Dec-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



## FULLER ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHIGAN GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NEW, MAKE YOUR EDIT AND SAVE.



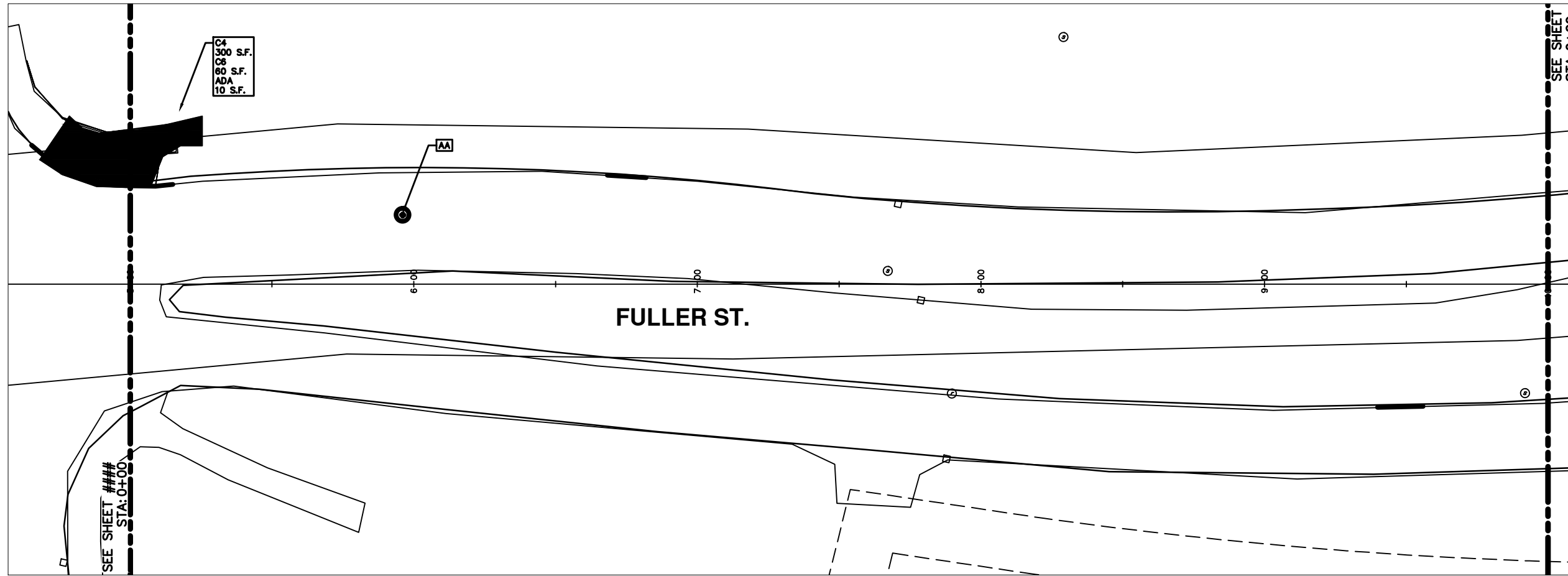
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004-LAY-FULLER - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-21

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller.dwg Dwg Created: 17-Dec-13 - \_02 standard bw.stb - Plot Date: 11-Feb-14



## FULLER ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHIGAN GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NEW, MAKE YOUR EDIT AND SAVE.



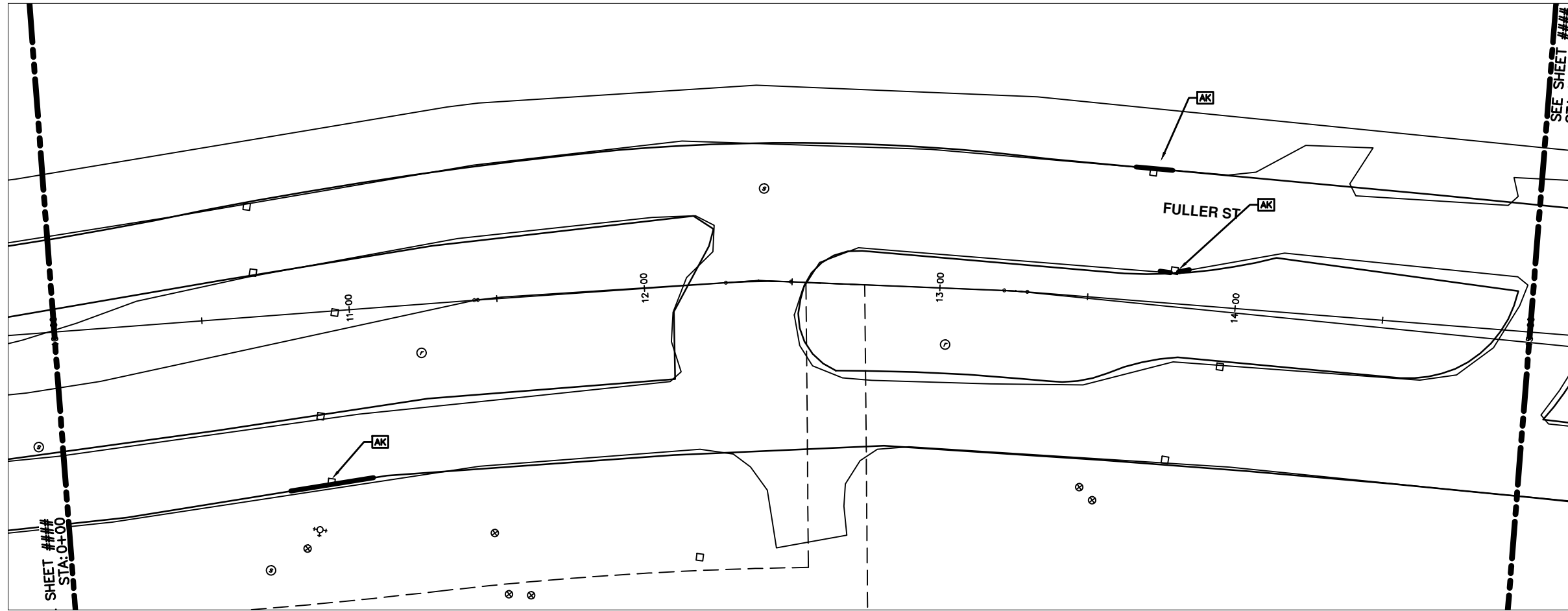
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004-LAY-FULLER - PLAN VIEW (02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-22

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller.dwg Dwg Created: 17-Dec-13 - \_02 standard bw.stb - Plot Date: 11-Feb-14



## FULLER ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMENITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN REF. MAKE YOUR EDIT AND SAVE.

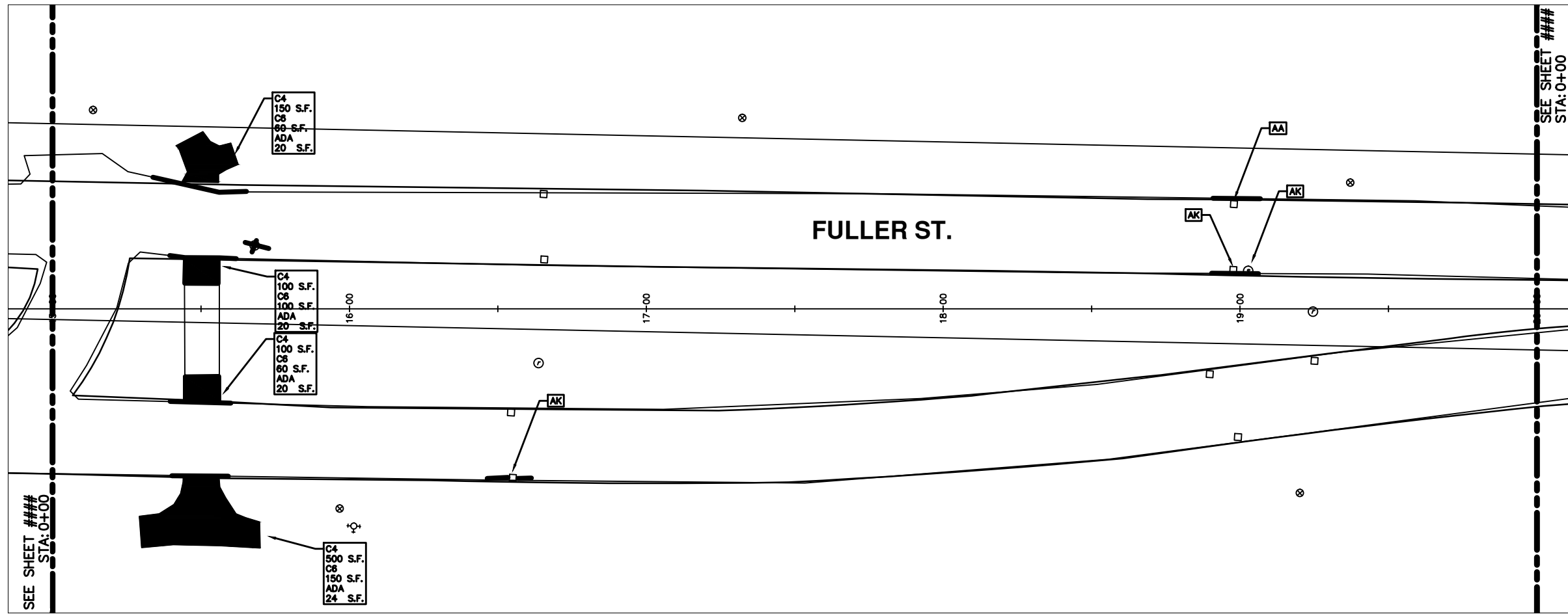


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004-LAY-FULLER - PLAN VIEW (03)

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller.dwg Dwg Created: 17-Dec-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



SEE SHEET ###  
STA: 0+00

SEE SHEET ###  
STA: 0+00

## FULLER ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHIGAN GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NWF, MAKE YOUR EDIT AND SAVE.



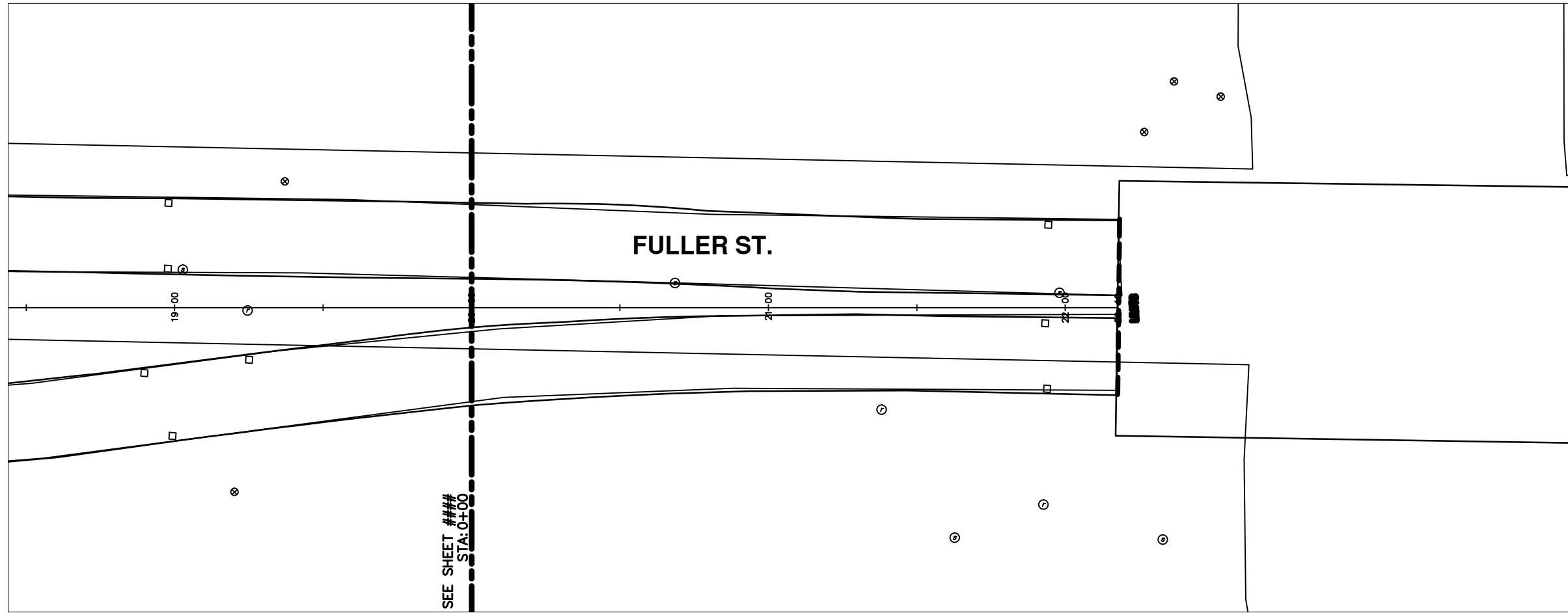
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
FULLER  
2014004-LAY-FULLER - PLAN VIEW (04)



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller.dwg Dwg Created: 17-Dec-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



SEE SHEET ###  
STA: 0+00

## FULLER ST.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE, MAKE YOUR EDIT AND SAVE.

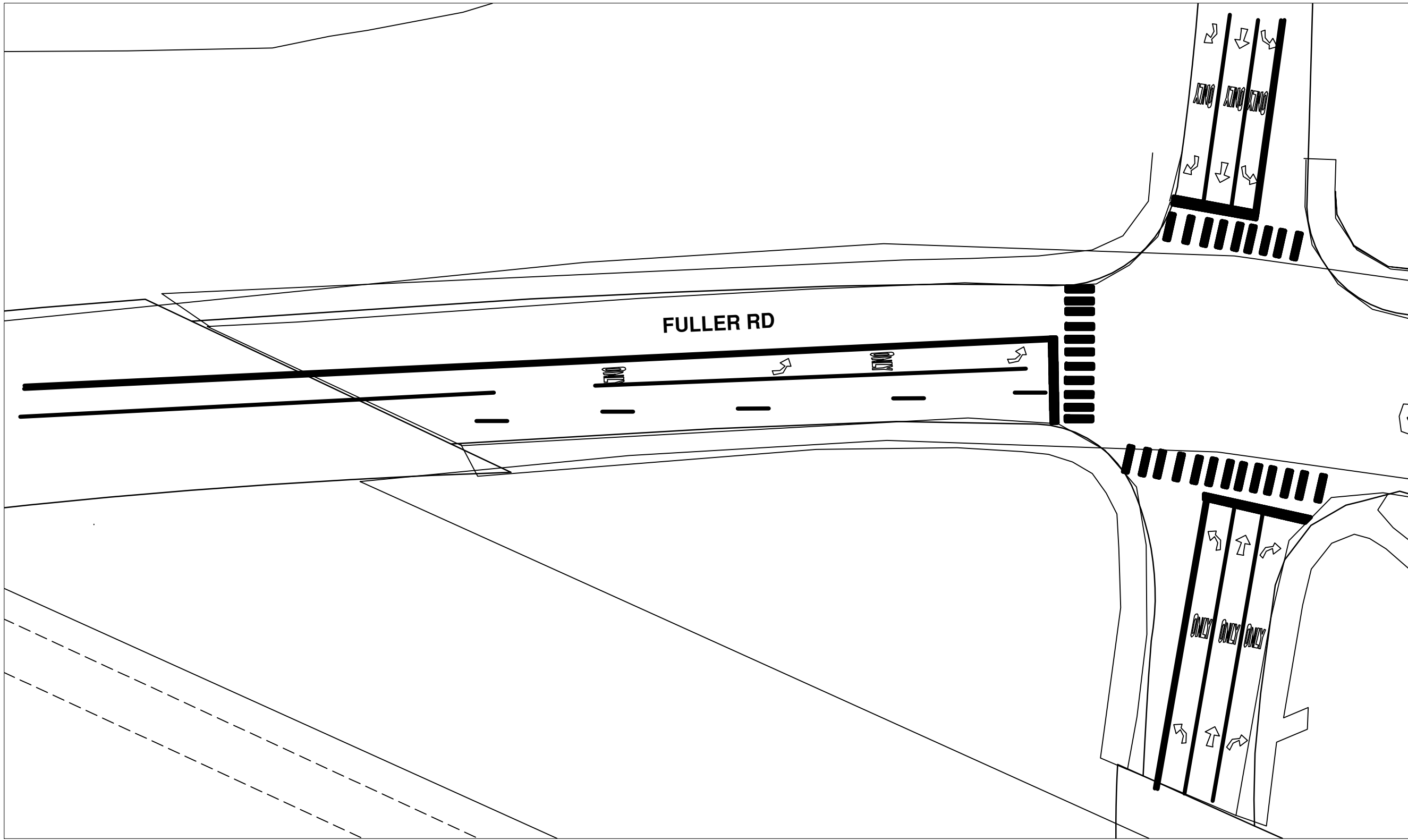


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
FULLER  
2014004-LAY-FULLER - PLAN VIEW (05)

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller Stripping.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



FULLER RD

FULLER RD



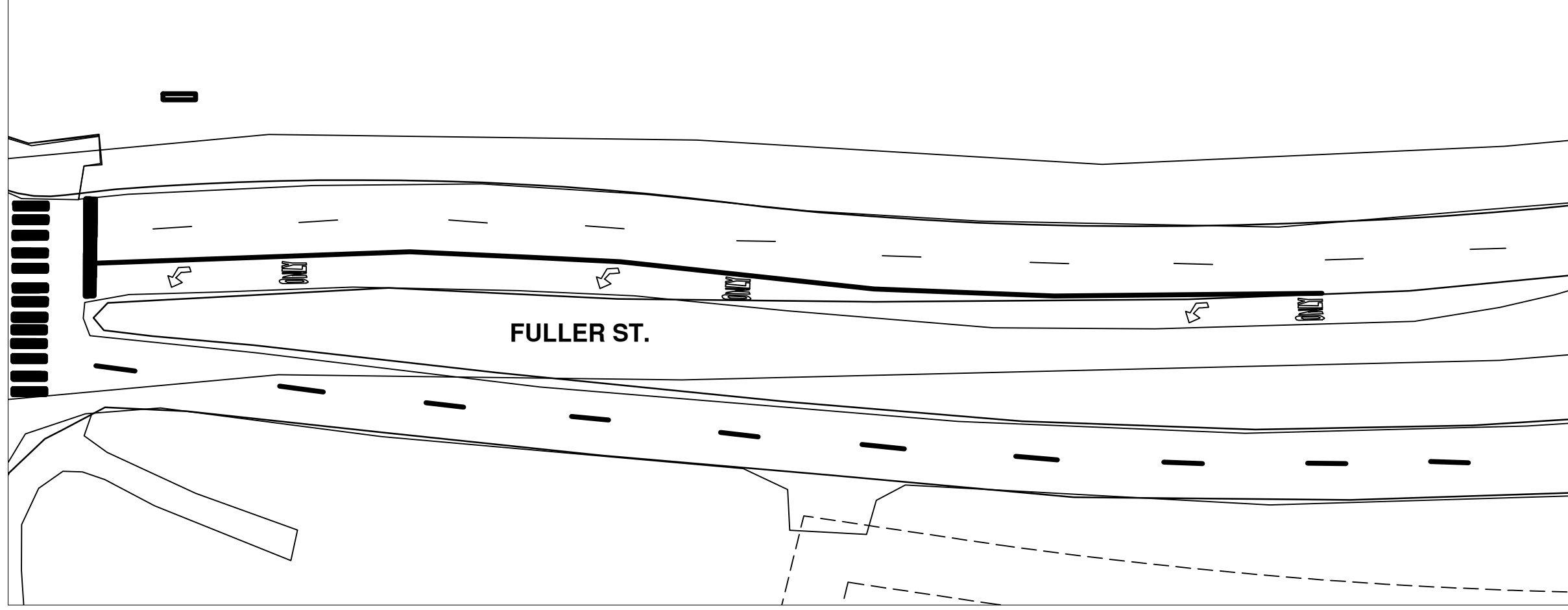
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004LAY-FULLER STRIPING - STRIPING (1)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-26

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller Striping.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



FULLER ST.

FULLER ST.



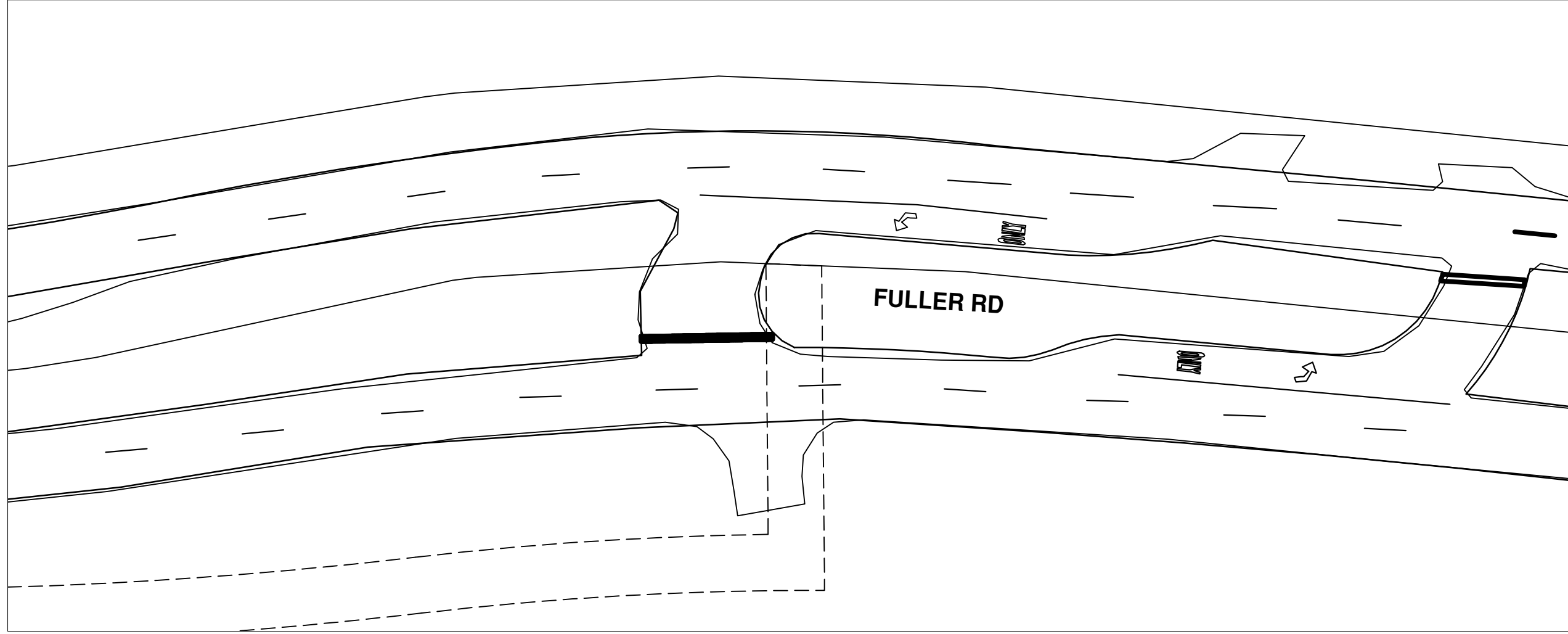
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004LAY-FULLER STRIPING - STRIPING (2)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-27

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller Stripping.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



# FULLER RD



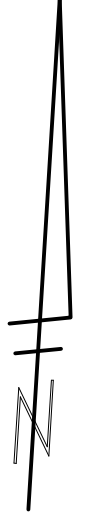
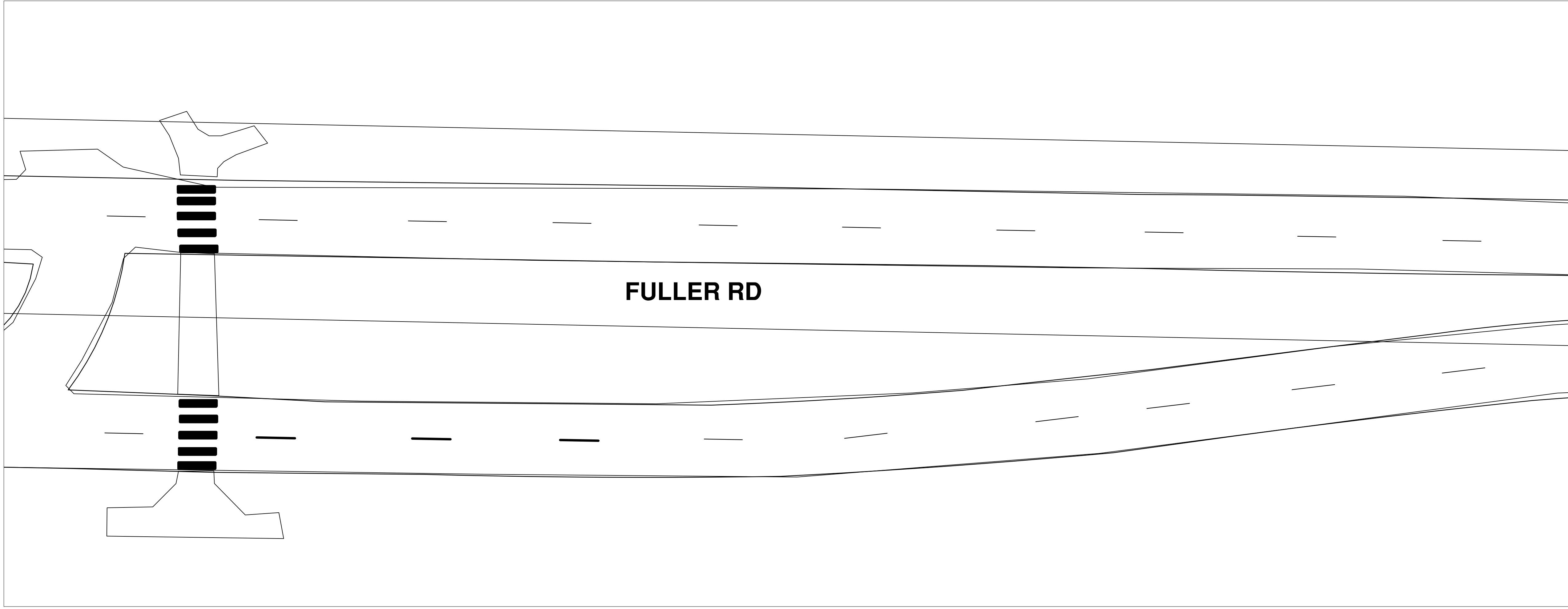
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004LAY-FULLER STRIPING - STRIPING (3)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-28

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004Lay-Fuller Stripping.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



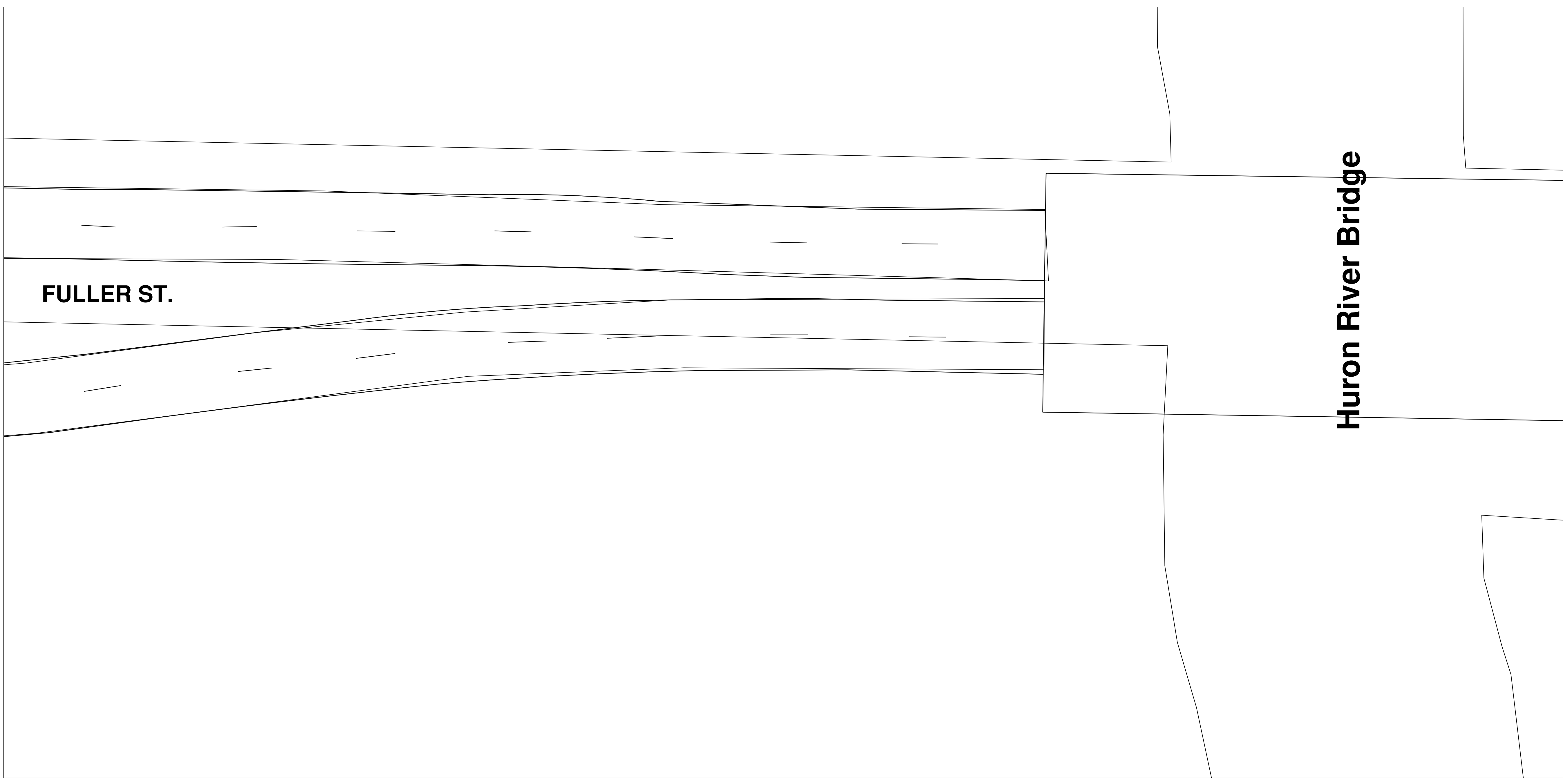
**FULLER RD**

**FULLER RD**



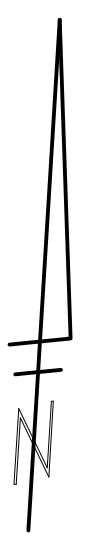
NO	REV.	DESCRIPTION	DATE	DATE	BY	CHECKED





**FULLER ST.**

**Huron River Bridge**

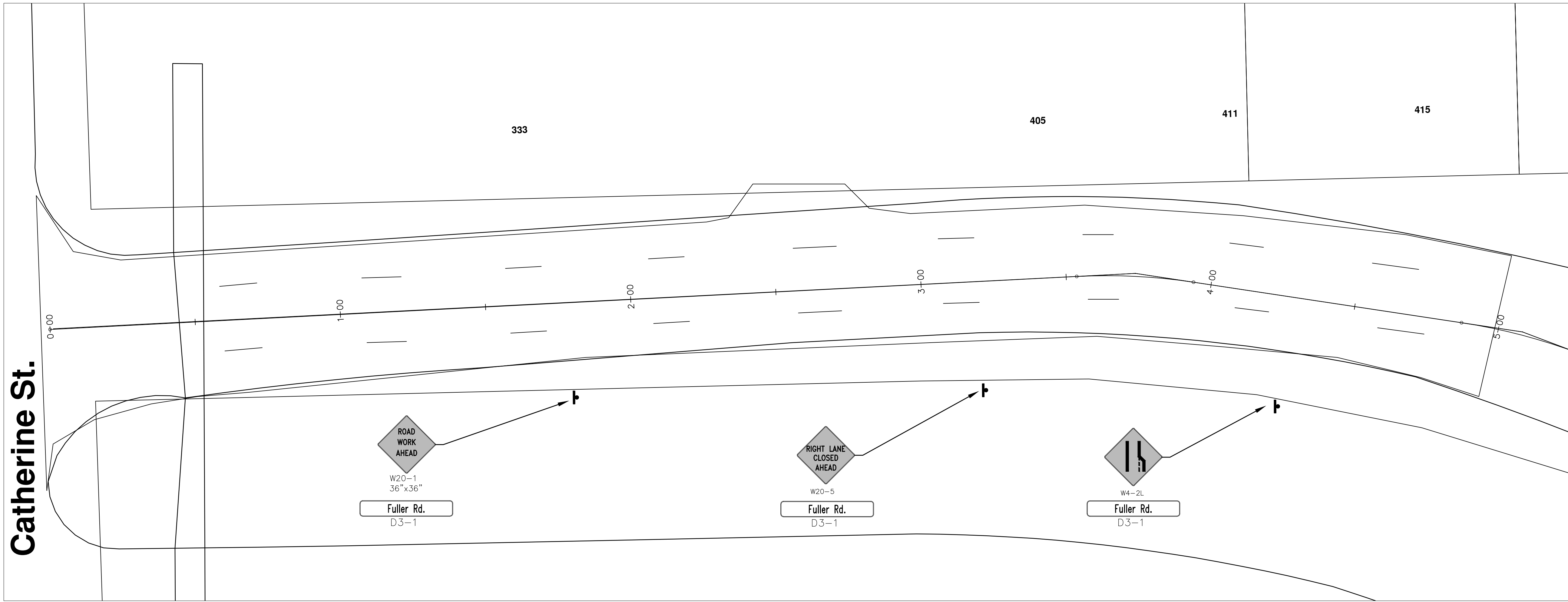


REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004MTRF-Fuller.dwg Dwg Created: 3-Jan-14 - \_a2\_standard\_bw.stb - Plot Date: 11-Feb-14

# Catherine St.



TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
0	W20-1	"ROAD WORK AHEAD"
0	W20-2	"DETOUR AHEAD"
0	W20-3	"ROAD CLOSED AHEAD"
0	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
0	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
0	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
	R11-4	"ROAD CLOSED TO THRU TRAFFIC"
	TYPE A	LIGHTED ARROW, TYPE A
	TYPE B	LIGHTED ARROW, TYPE B
	R9-9	SIDEWALK CLOSED
	R9-11	SIDEWALK CLOSED AHEAD CROSS HERE
	R5-9	SIDEWALK CLOSED USE OTHER SIDE
	G20-2	"END ROAD WORK"
	R5-18b	"INJURE/KILL A WORKER \$7500+15 YEARS"
	R5-18cLA	"WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"
	R3-1	NO RIGHT TURN
	R3-2	NO LEFT TURN
	SPECIAL	42"X48" SPECIAL SIGN
	W20-5c	"CENTER LANE CLOSED AHEAD"
	R2-1	SPEED LIMIT
	TYPE C	LIGHTED ARROW, TYPE C
	W3-5	REDUCED SPEED LIMIT AHEAD

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
⊕	EXISTING SANITARY SEWER MANHOLE
⊕	EXISTING STORM SEWER MANHOLE
⊕	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊕	MICHCON GAS CO. VALVE BOX/WELL
⊕	AMERITECH TELEPHONE VAULT
⊕	ELECTRIC MANHOLE
⊕	SOIL BORING
⊕	EXISTING STORM SEWER INLET
⊕	MONUMENT BOX
▭	REMOVE AND REPLACE CONC. SIDEWALK
▭	PLACE CONCRETE SIDEWALK
▭	REMOVE & REPLACE CONC. CURB & GUTTER
▭	CONSTRUCTION LIMITS
▭	6" WRAPPED UNDERDRAIN
▭	REMOVE CONCRETE SIDEWALK
▭	SUBGRADE UNDERCUT

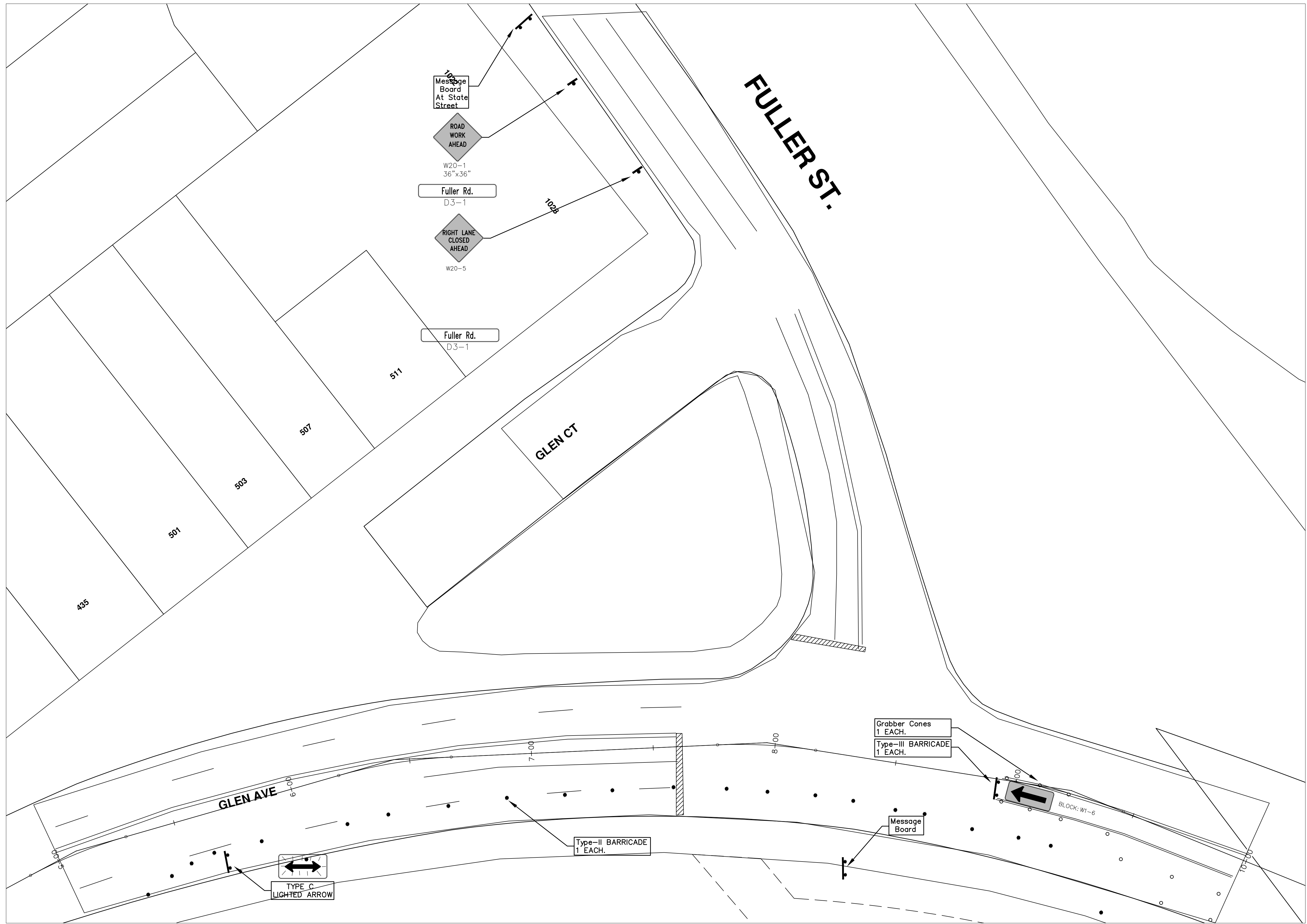


REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004MTRF-FULLER - MTRF

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004MTRF-Fuller.dwg Dwg Created: 3-Jan-14 - \_a2\_standard bw.stb - Plot Date: 11-Feb-14

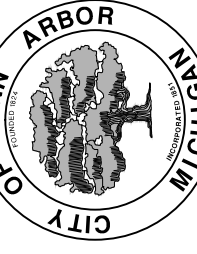


FULLER RD



Know what's below. Call Before you dig.

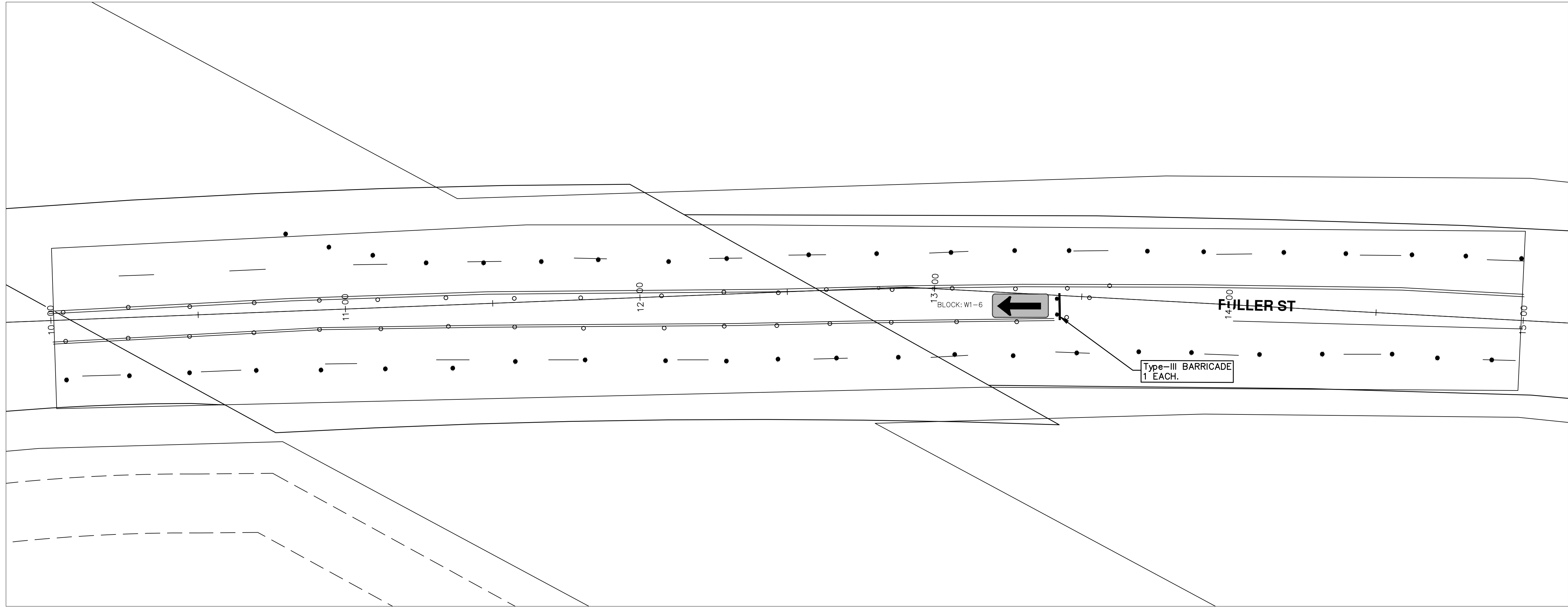
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004MTRF-FULLER - MTRF (1)

SCALE PLAN: 1" = 20'  
 DRAWING No. 2014004-32





# FULLER RD



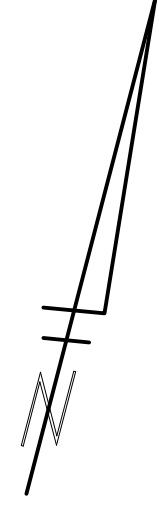
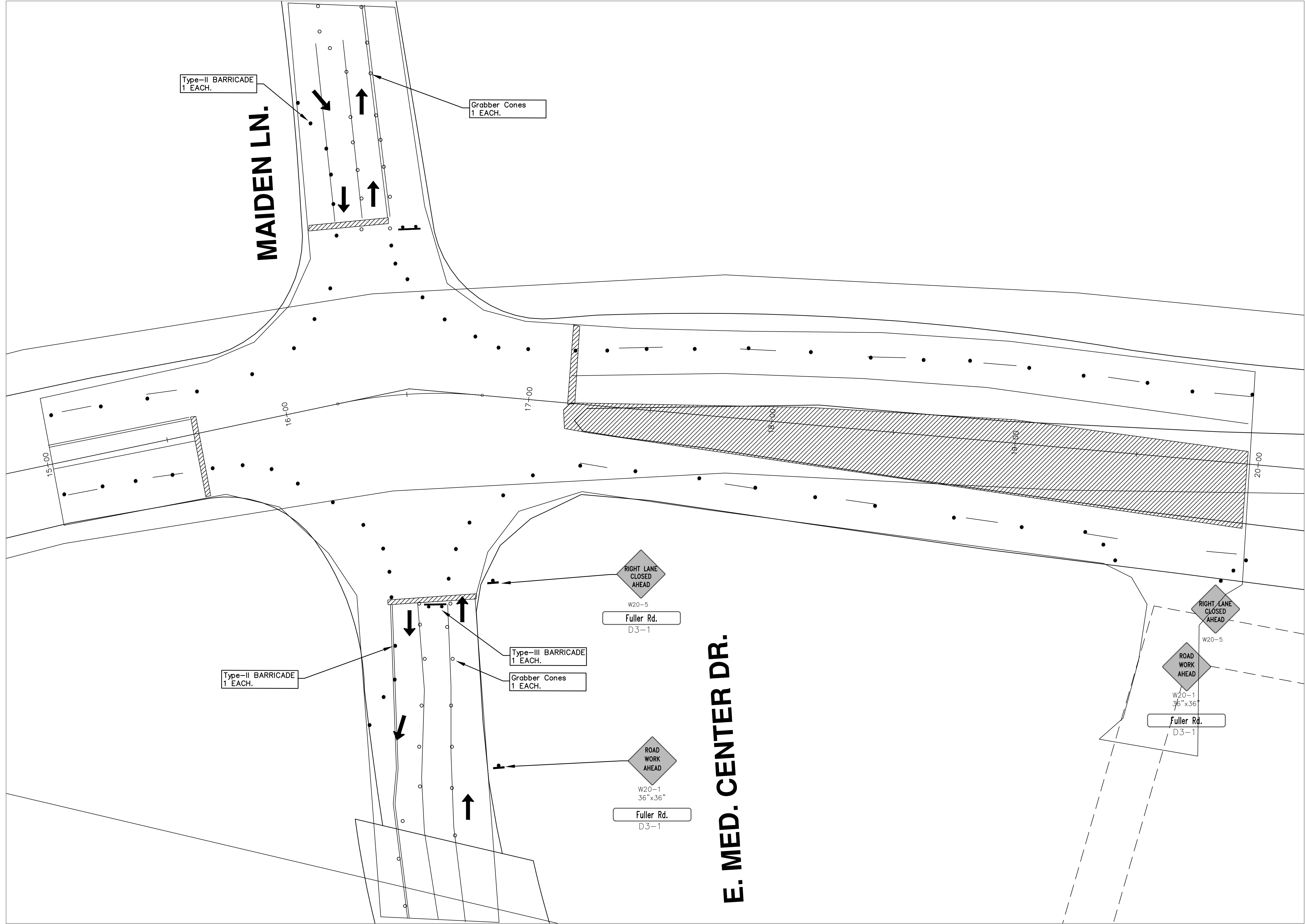
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004MTRF-FULLER - MTRF (2)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
**2014004-33**

REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004TRF-Fuller.dwg Dwg Created: 3-Jan-14 - \_a2\_standard bw.stb - Plot Date: 11-Feb-14



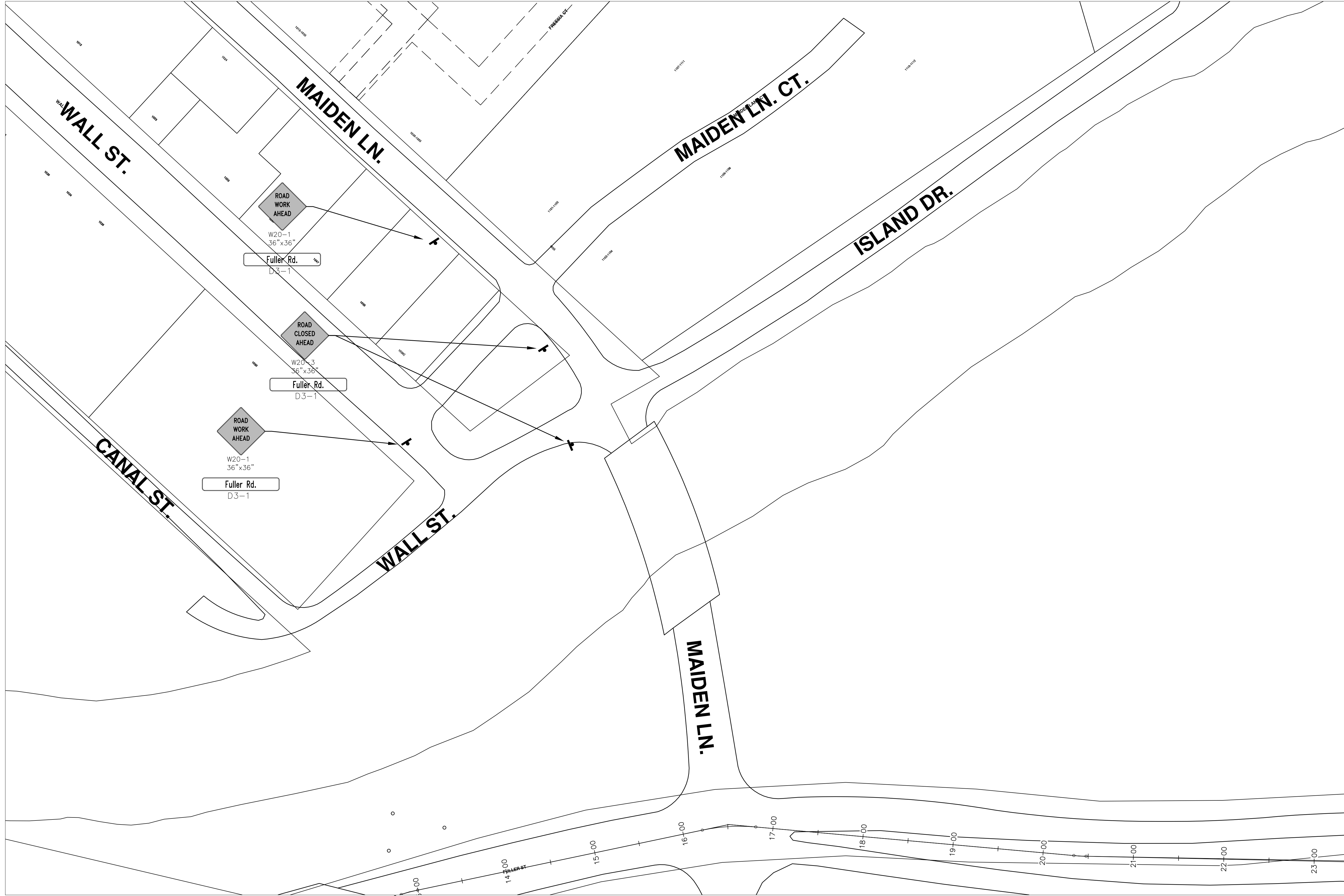
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



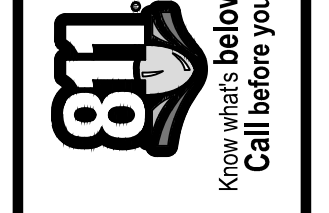
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004MTRF-FULLER - MTRF (3)

SCALE PLAN: 1" = 20'  
 DRAWING No. 2014004-34

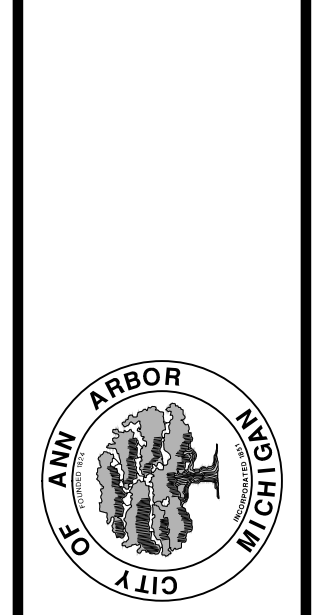
\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004MTRF-Fuller.dwg Dwg Created: 3-Jan-14 - \_a2\_standard.bw.stb - Plot Date: 11-Feb-14



# FULLER RD



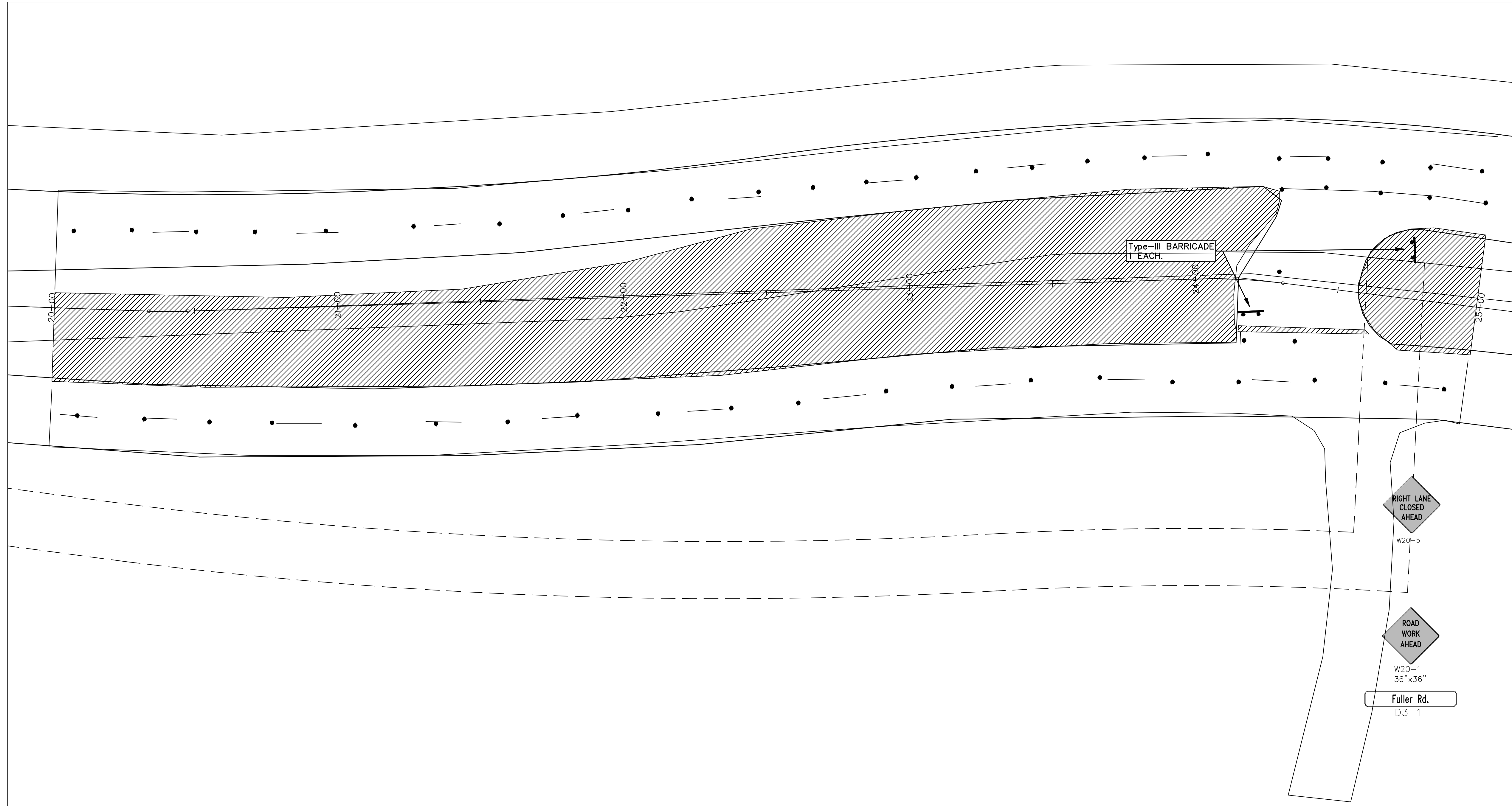
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



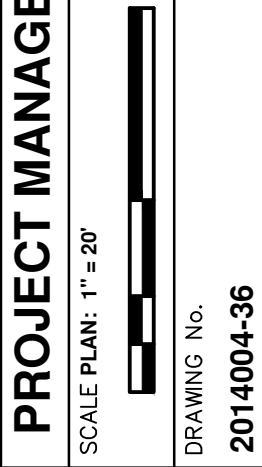
**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004MTRF-FULLER - MTRF(3-1)

SCALE PLAN: Custom  
 DRAWING No. **2014004-35**

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004TRF-Fuller.dwg Dwg Created: 3-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



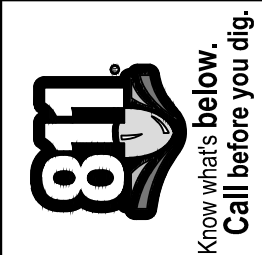
# FULLER RD



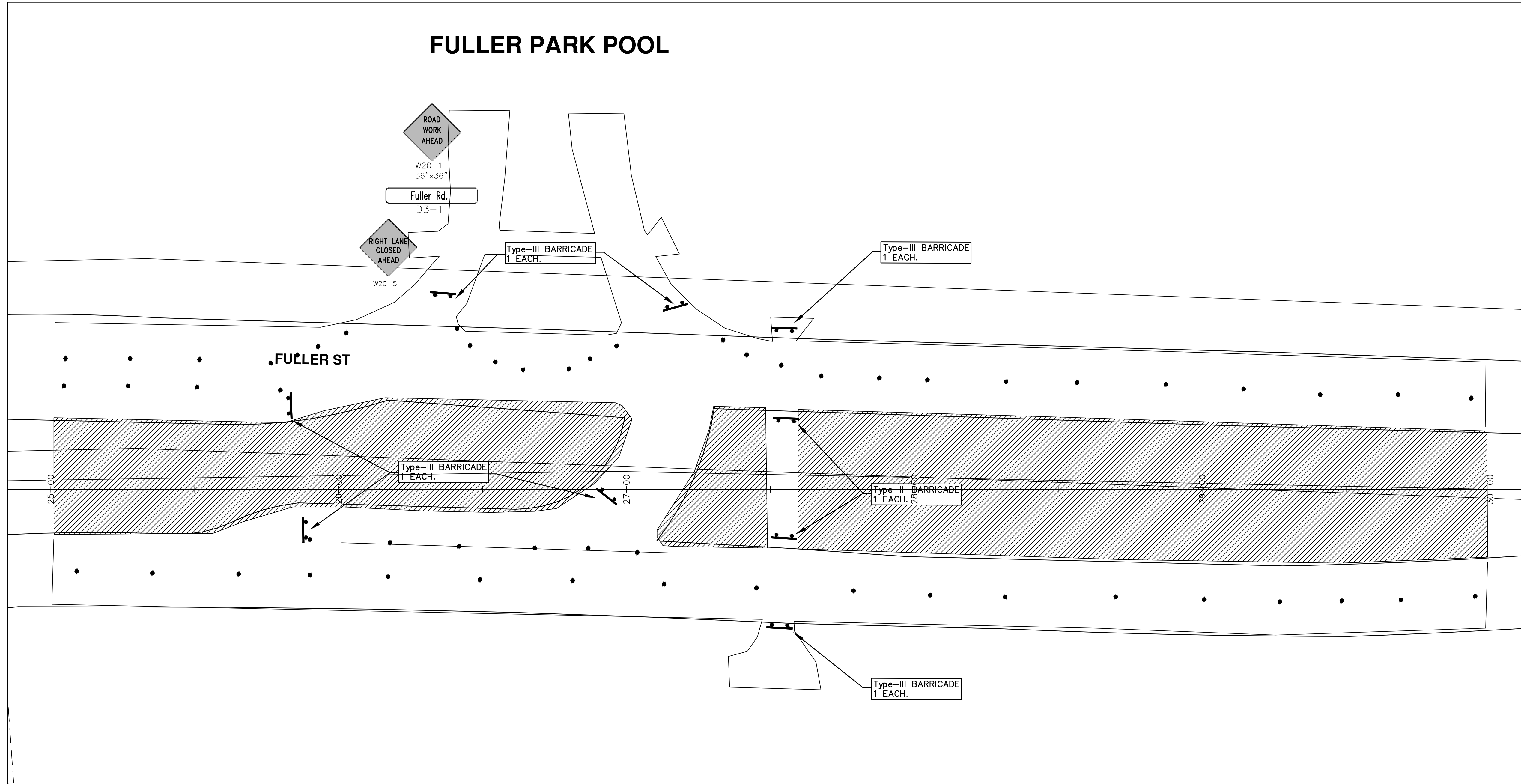
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 FULLER  
 2014004MTRF-FULLER - MTRF (4)



REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



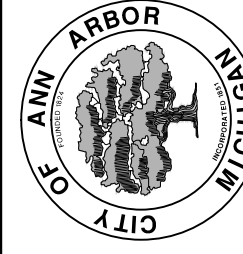
\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Fuller\2014004MTRF-Fuller.dwg Dwg Created: 3-Jan-14 -- a2 standard bw.stb -- Plot Date: 11-Feb-14



# FULLER RD

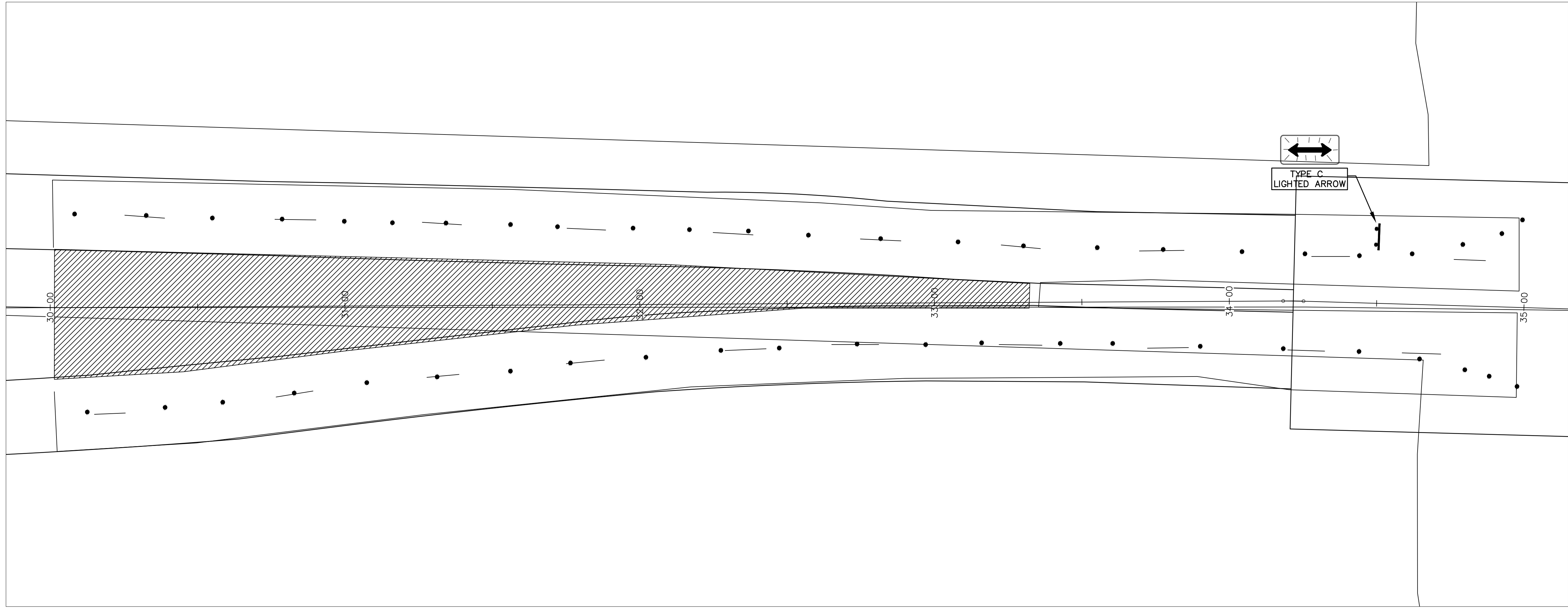


REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 FULLER  
 2014004MTRF-FULLER - MTRF (5)

SCALE PLAN: 1" = 20'  
 DRAWING No. 2014004-37

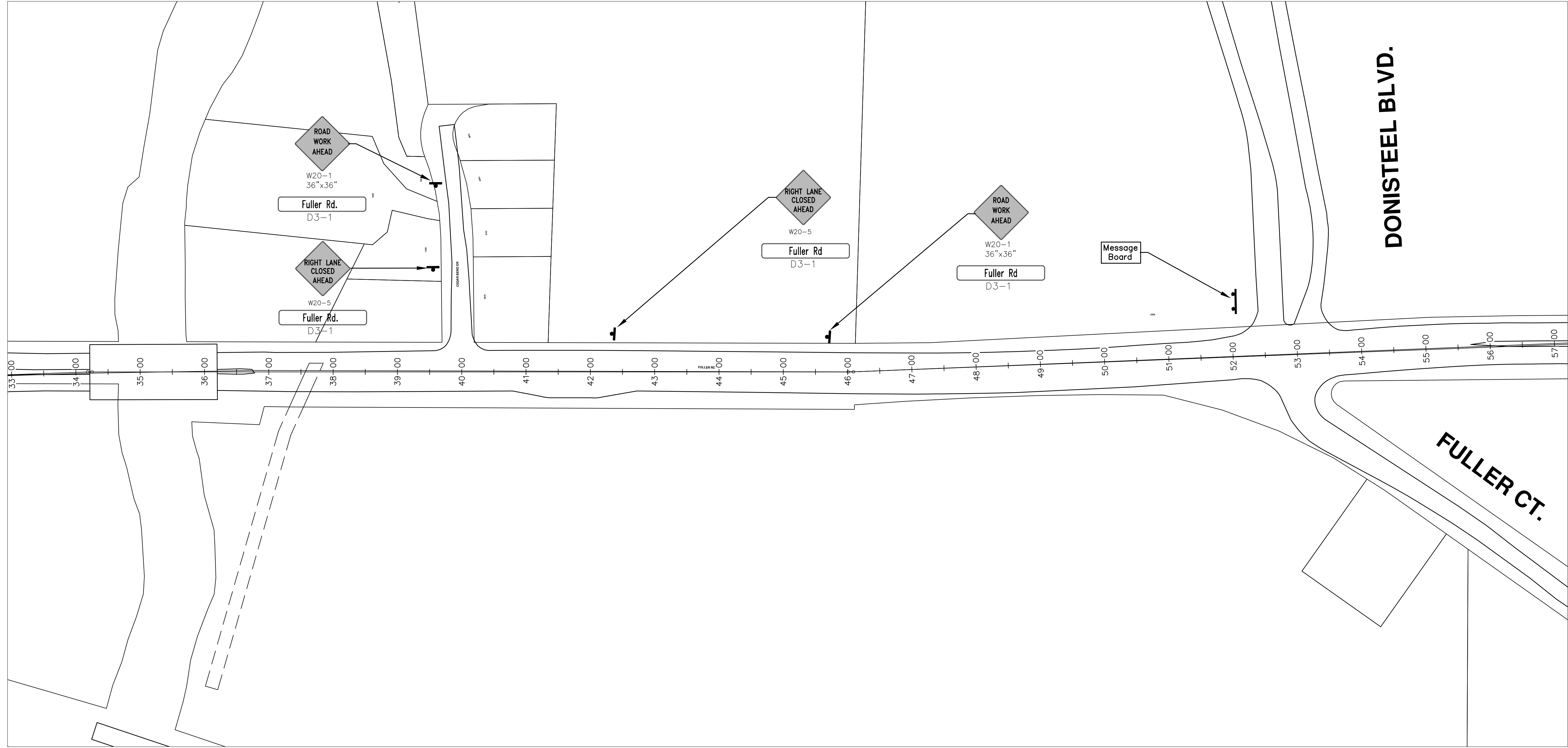


# FULLER RD



REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



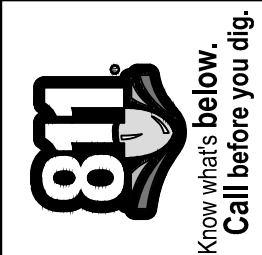


# FULLER RD



REV.	DESCRIPTION	DATE	BY	CHECKED

REV.	DESCRIPTION	DATE	BY	CHECKED





# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM PROJECT LOCATION: VINEWOOD BOULEVARD

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004Lay-Vinewood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	1170
209	Subgrade Undercutting - Type II	C.Y.	450
221	HMA Pavement Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	780
223	HMA Pavement Wearing, Regular	Tons	390
230	Remove Curb & Gutter, Any Type	L.F.	790
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	1050
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	790
241	6" Drive, Sidewalk or Ramp	S.F.	1050
250	2' Dia. Structure	Each	5
252	Reconstruct Structure	Each	2
254	Lower Structure Cover	Each	5
255	Lower Mon. / Gatevalve Box	Each	2
256	Adjust Structure Cover	Each	5
257	Adjust Curb Inlet Structure Cover	Each	10
258	Adj. Monument or Gate Valve Box	Each	2
259	Manhole Flange & Cover (MDOT Type A)	Each	6
260	Inlet Structure Cover (MDOT Type A)	Each	4
264	12" Sewer, Trench Detail I, Modified	L.F.	900
265	Single Inlet, 4' Dia.	Each	2
271	21AA Limestone - C.I.P.	C.Y.	450
282	Plastic Drum - Lighted - Furn. & Operate	Each	35
283	Barricade Type III - Furn. & Operate	Each	2
284	Temp Sign - Type B	S.F.	360
285	No Parking Sign	Each	25
291	4' Dia. Structure	Each	2
295	Tubular Markers, 36", Furn. & Oper.	Each	20
360	Type 1 Manhole (0-10' Deep)	Each	1
385	Sewer Pipe Abandonment	L.F.	15
386	Sewer Structure Abandonment	Each	1

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
12	W20-1	"ROAD WORK AHEAD"
12	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
24	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
35	TYPE II	TYPE II LIGHTED BARRICADE DRUM

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURES COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 6 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE BASE COURSE, IN ONE LIFT.
10. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
11. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS
12. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
13. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
14. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
15. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
VINEWOOD BOULEVARD

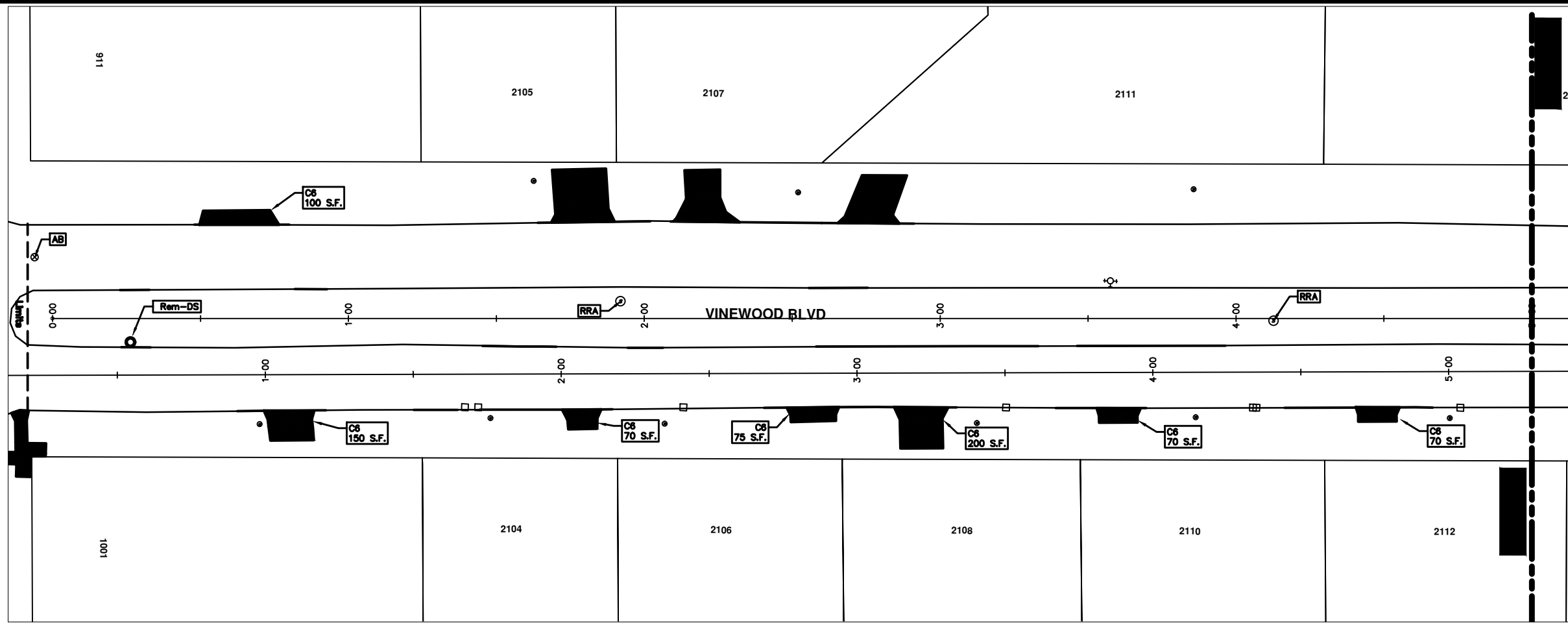
DRAWING No.  
2014004 - 40

SHEET No.

40 TO 102



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004-Lay-Vinewood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## VINEWOOD BLVD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
⊥	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
▭	REMOVE AND REPLACE CONC. SIDEWALK
▭	PLACE CONCRETE SIDEWALK
▭	REMOVE & REPLACE CONC. CURB & GUTTER
▭	CONSTRUCTION LIMITS
▭	6" WRAPPED UNDERDRAIN
▭	REMOVE CONCRETE SIDEWALK
▭	SUBGRADE UNDERCUT



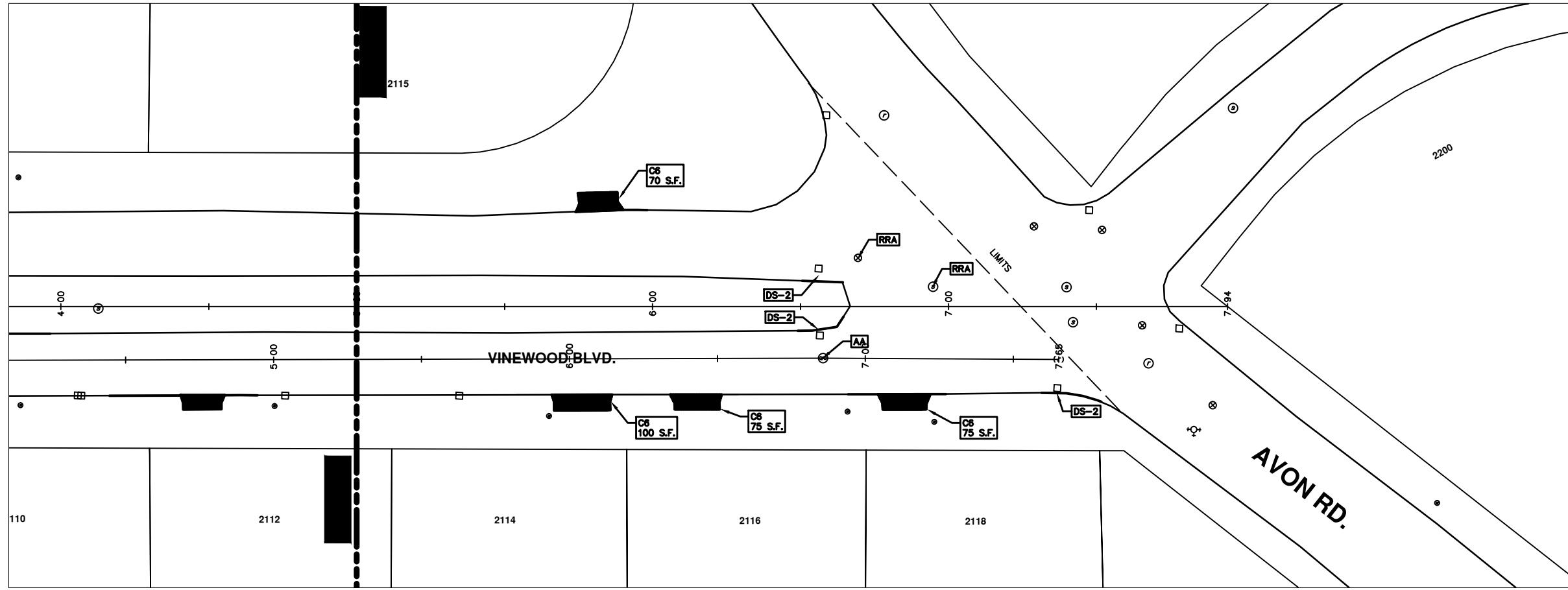
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 VINEWOOD  
 2014004-LAY-VINEWOOD - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-41

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004-Lay-Vinewood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## VINEWOOD BLVD

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT



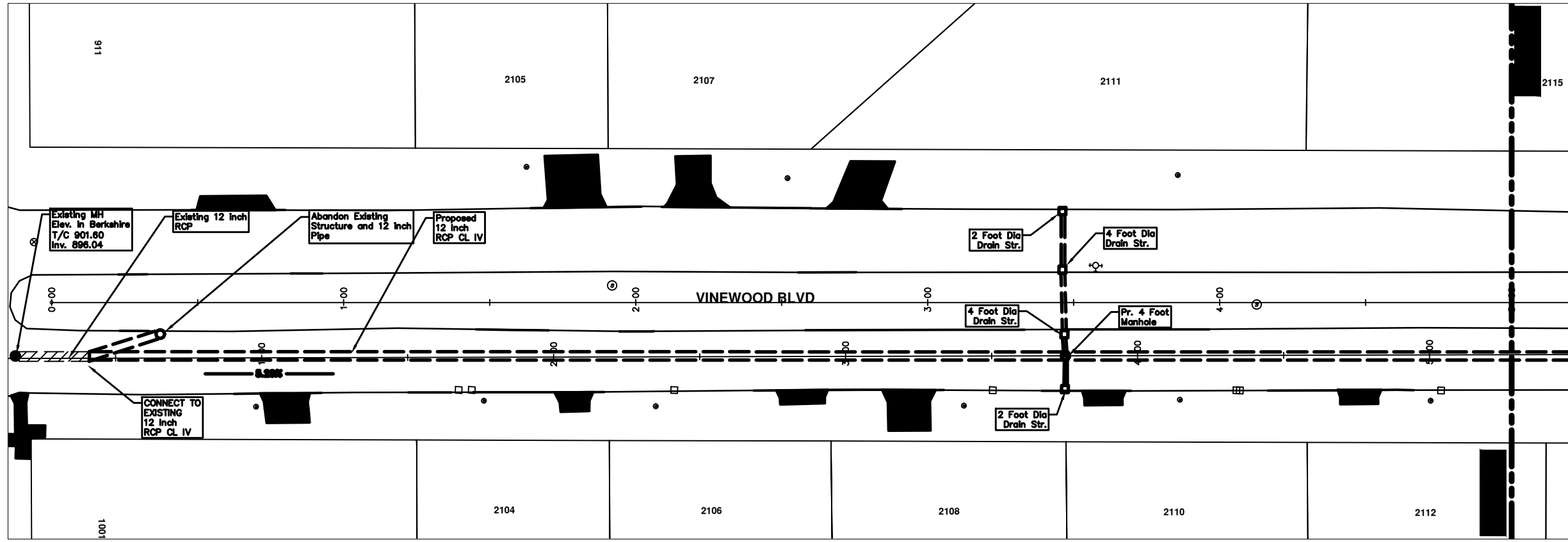
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



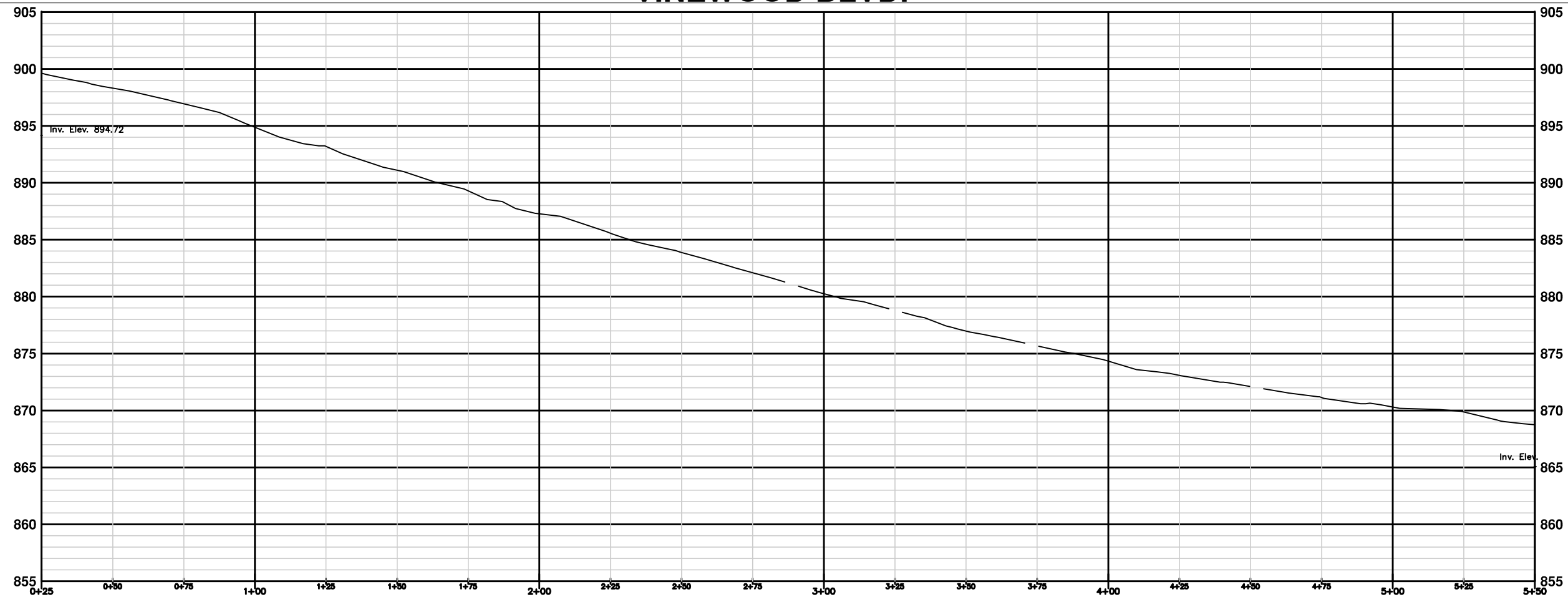
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 VINEWOOD  
 2014004-LAY-VINEWOOD - PLAN VIEW (02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-42

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004Lay-Vinewood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



**VINEWOOD BLVD.**

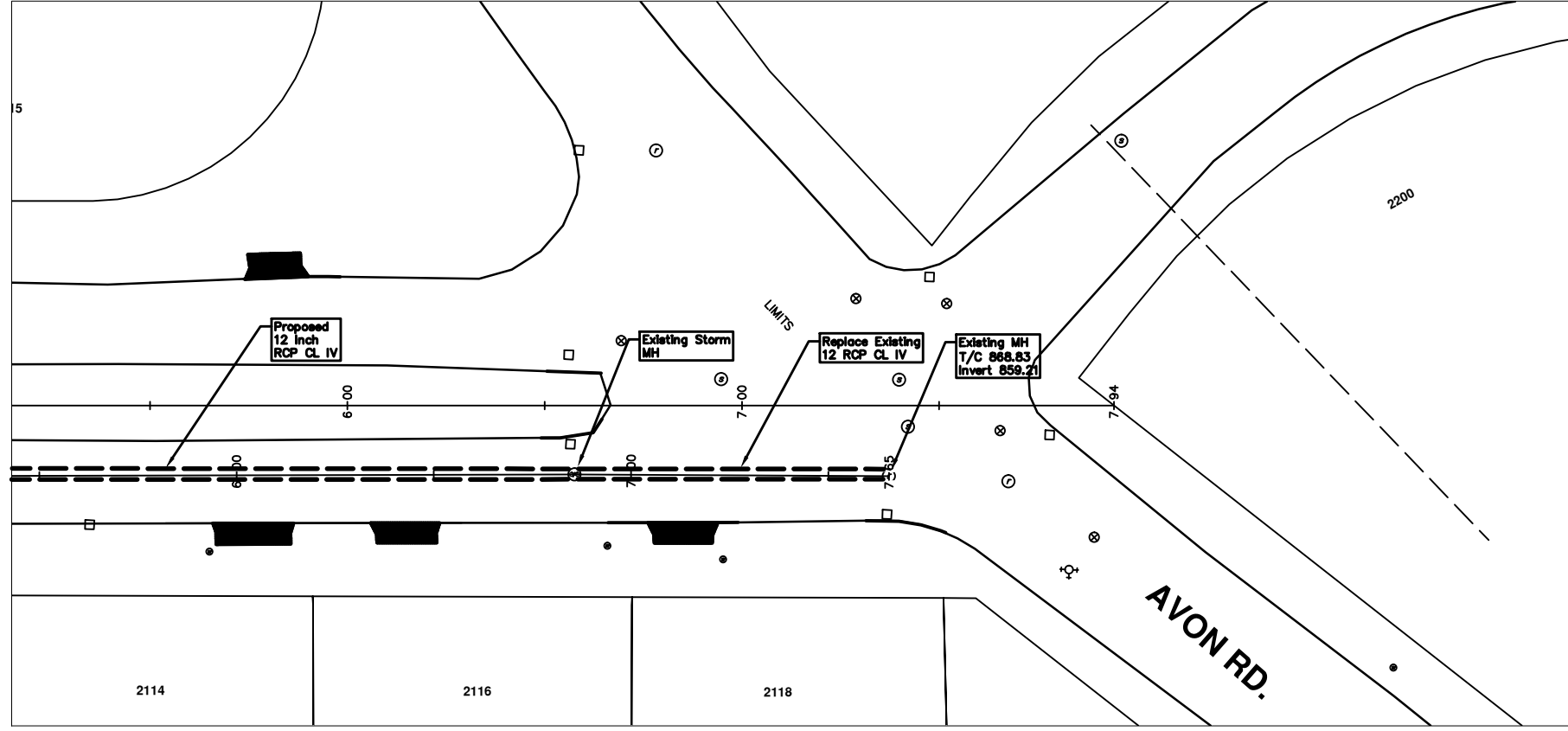


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



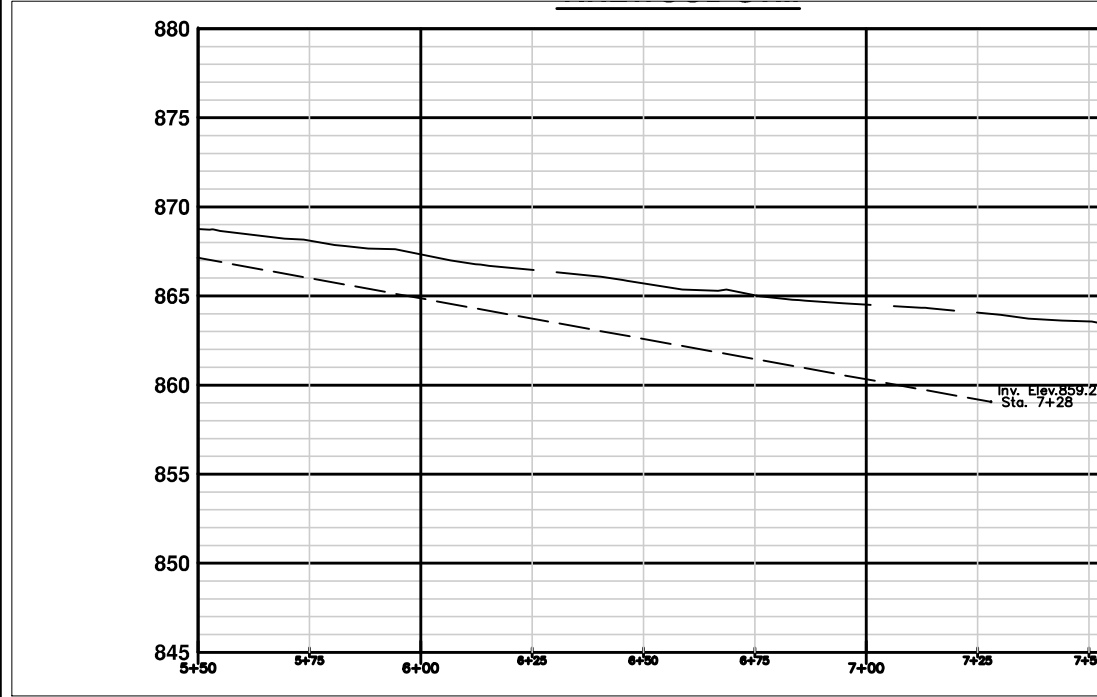
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 VINEWOOD  
 2014004LAY-VINEWOOD - STORM SEWER(01)

\\FILES\PSA\pub\Project Management\Design\2014004 Resurfacing\Plan Production\Vineyard\2014004-Lay-Vineyard.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



VINEWOOD BLVD.

AVON RD.



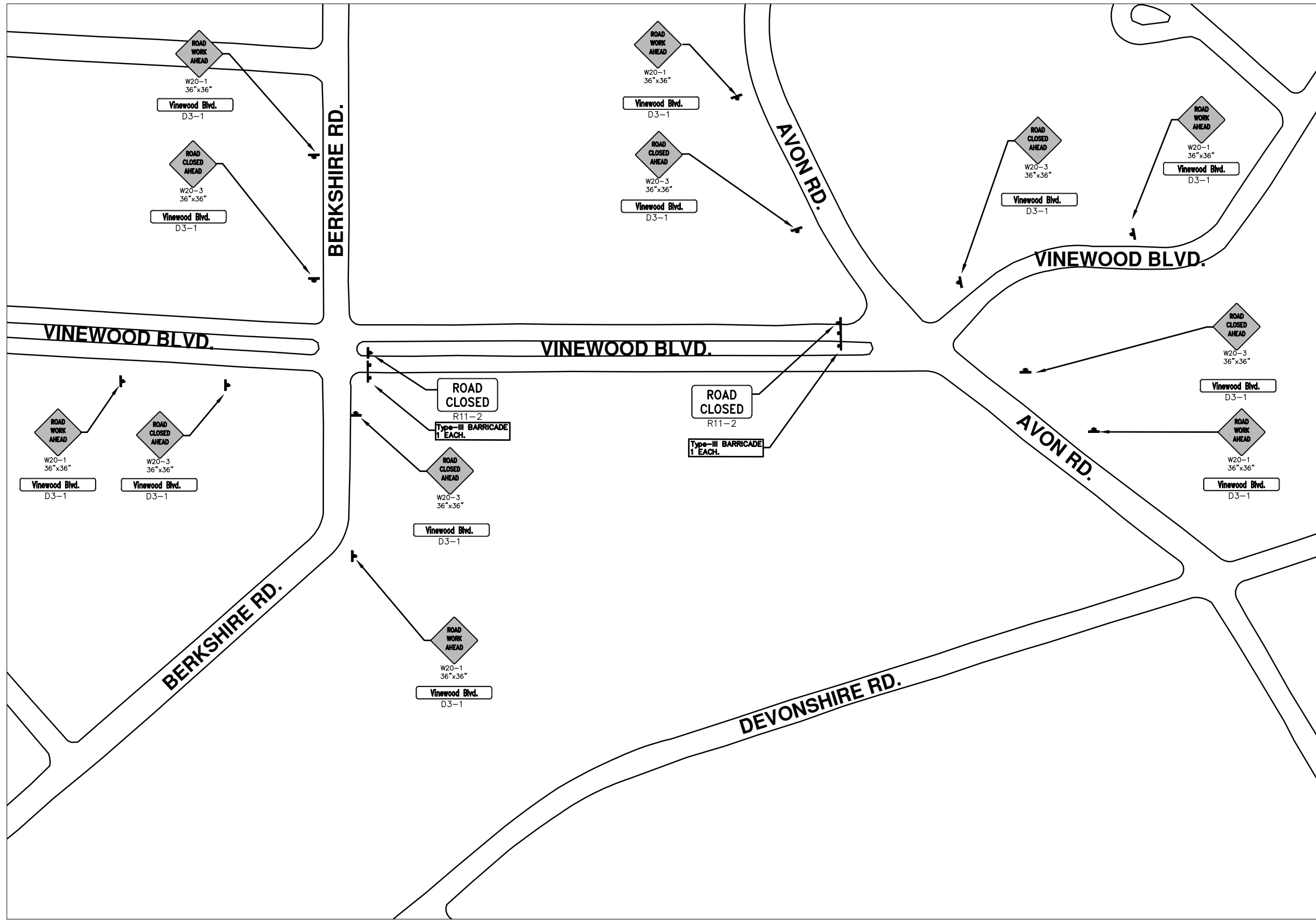
REV.	DESCRIPTION	DATE	BY
00	OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 VINEWOOD  
 2014004LAY-VINEWOOD - STORM SEWER(02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-44

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004Lay-Vinewood MTRF.dwg Dwg Created: 28-Jan-14 - \_o2 standard bw.stb - Plot Date: 11-Feb-14



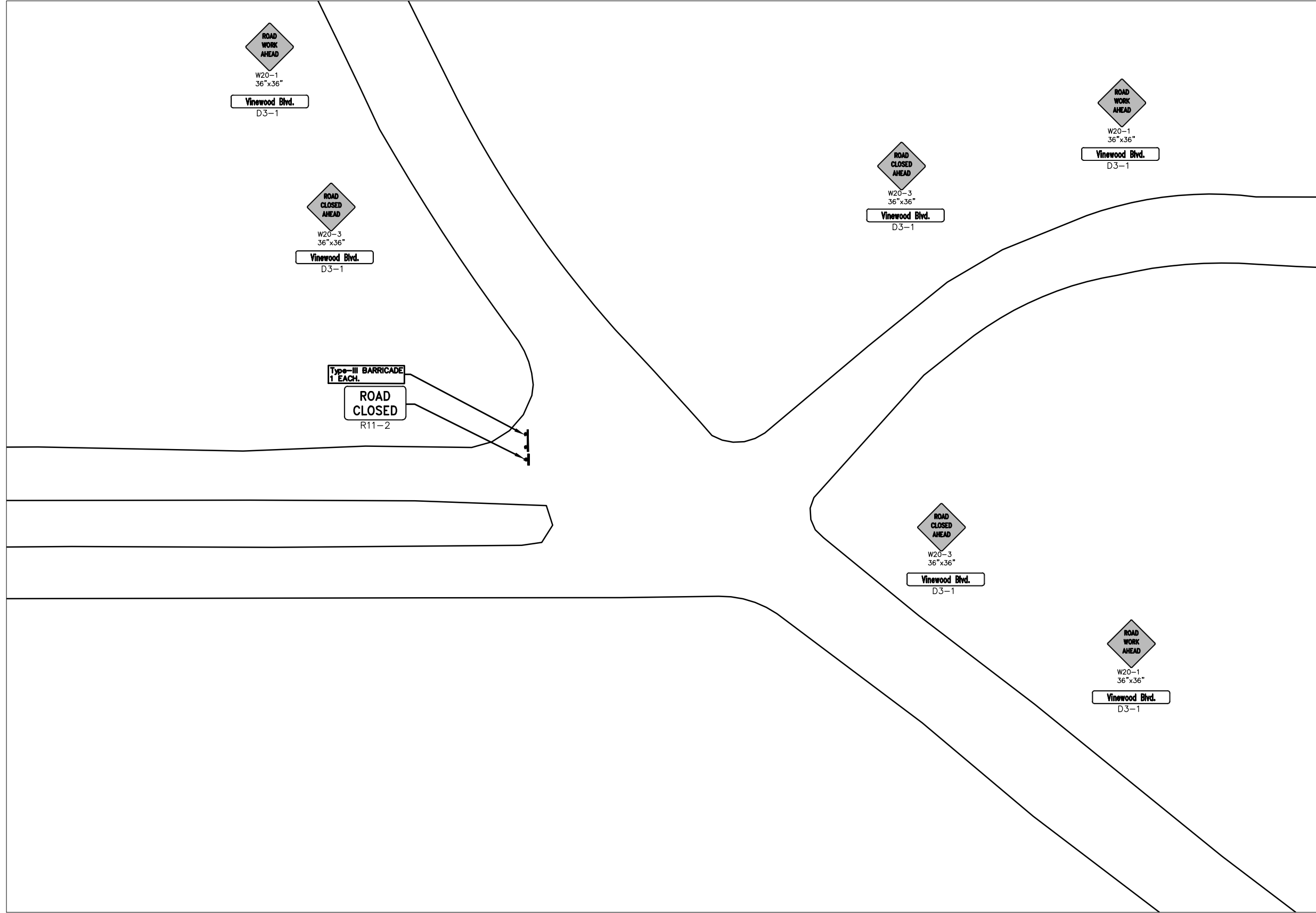
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 VINWOOD  
 2014004LAY-VINWOOD MTRF - MTRF(1)

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-45

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Vinewood\2014004LAY-Vinewood MTRF.dwg Dwg Created: 28-Jan-14 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



# VINEWOOD BLVD.



REV.	DO	OUT FOR BID	DESCRIPTION	DATE	DATE	DRAWN BY	CHECKED BY



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
VINEWOOD  
2014004LAY-VINEWOOD MTRF - MTRF(2)

SCALE PLAN: 1" = 20'  
DRAWING No.  
2014004-46



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: STEEPLECHASE DRIVE

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Steeplechase\2014004Lay-Steeplechase.dwg Dwg Created: 17-Dec-13 -- \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	800
209	Subgrade Undercutting - Type II	C.Y.	470
222	HMA Pavement Leveling, Regular	Tons	480
223	HMA Pavement Wearing, Regular	Tons	320
230	Rem. Curb & Gutter, Any Type	L.F.	1400
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	150
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1400
241	6" Drive, Sidewalk or Ramp	S.F.	200
250	2' Dia. Structure	Each	3
252	Reconstruct Structure	Each	1
254	Lower Structure Cover	Each	10
255	Lower Mon. / Gate Valve Box	Each	1
256	Adj. Structure Covers	Each	10
257	Adj. Curb Inlet Structure Cover	Each	5
258	Adj. Monument or Gate Valve Box	Each	1
259	Manhole Flange & Cover (MDOT Type A)	Each	10
260	Inlet Structure Cover (MDOT Type K)	Each	1
264	12" Sewer Trench Detail I, Modified	L.F.	30
267	6" Wrapped Underdrain	L.F.	500
271	21AA Limestone - C.I.P.	C.Y.	470
282	Plastic Drum - Lighted - Furn. & Operate	Each	50
283	Barricade Type III - Furn. & Operate	Each	2
284	Temporary Signs - Type B	S.F.	120
285	No Parking Sign	Each	23
596	Rec. Polyurea Pvmt. Mkg., 6" White or Yellow	L.F.	150

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
3	W20-5	"Rt. Lane Closed Ahead
6	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
50	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURES COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUT AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 3 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. COMPLETE ALL PAVEMENT MARKINGS AS PER PLAN AND AS DIRECTED BY THE ENGINEER.
15. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

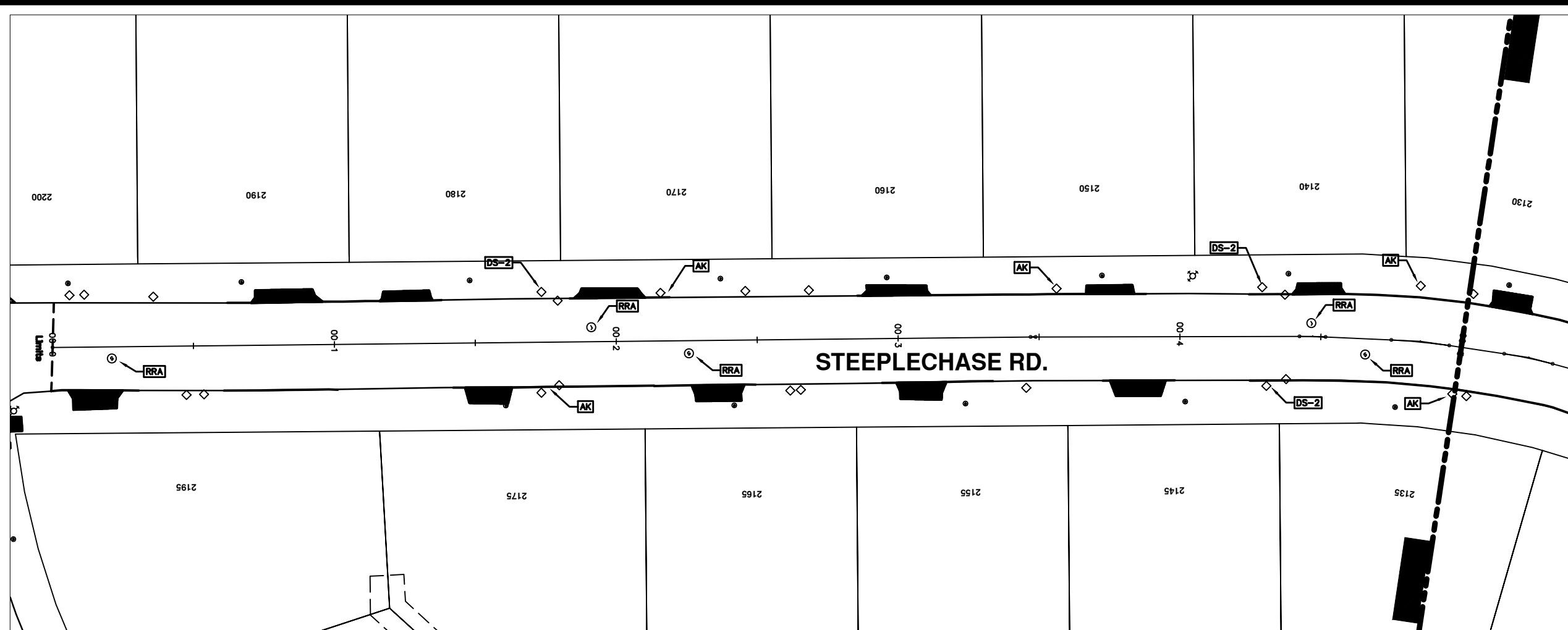
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



**PROJECT MANAGEMENT SERVICE UNIT**  
CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
PROJECT DESCRIPTION  
2014 RESURFACING  
STEEPLECHASE DRIVE  
DRAWING No.  
2014004 - 47

\\FILES\PSA\pub\Project Management\Design\2014004 Resurfacing\Plan Production\Steeplechase\2014004Lay-Steeplechase.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## STEEPLECHASE RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

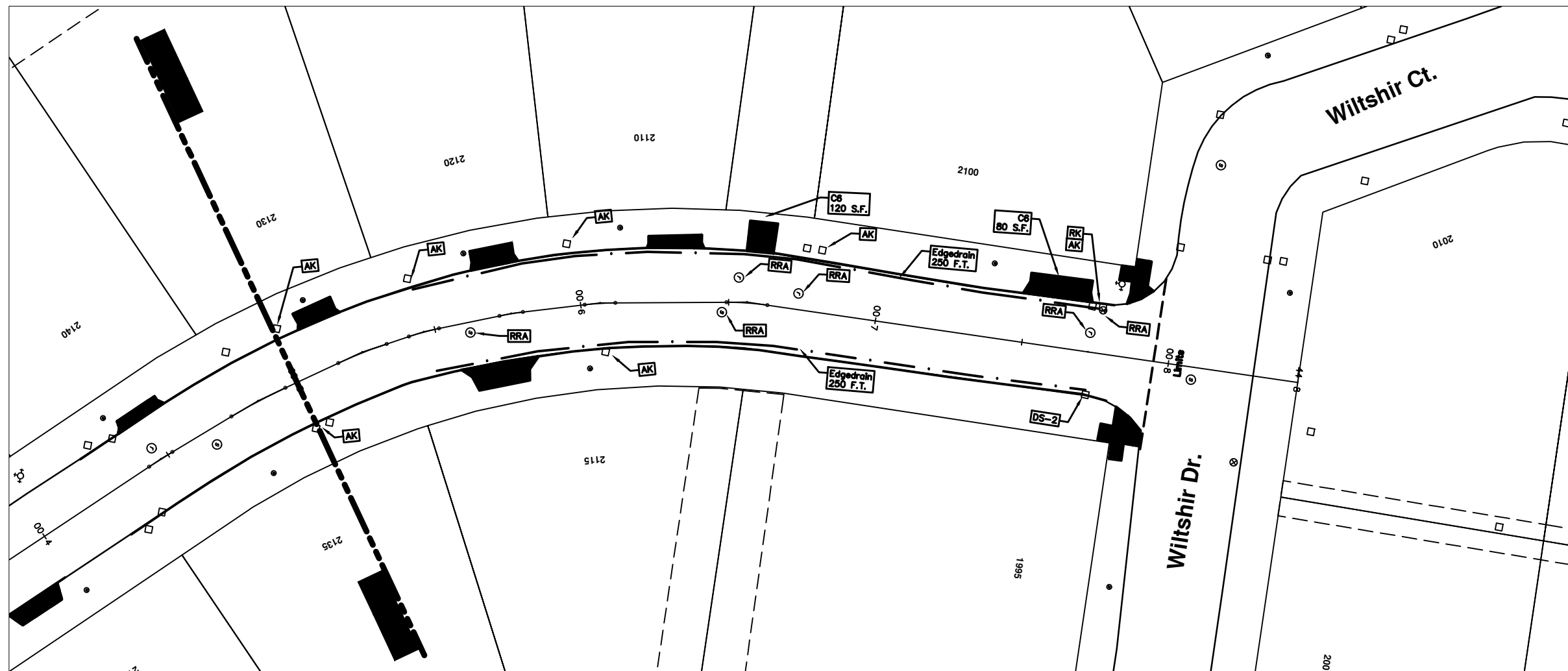


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 STEEPLECHASE  
 2014004LAY-STEEPLECHASE - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-48



\\FILES\PSA\pub\Project Management\Design\2014004 Resurfacing\Plan Production\Steeplechase\2014004Lay-Steeplechase.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## STEEPLECHASE RD

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMENITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE UNDERCUT
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN HERE, MAKE YOUR EDIT AND SAVE.



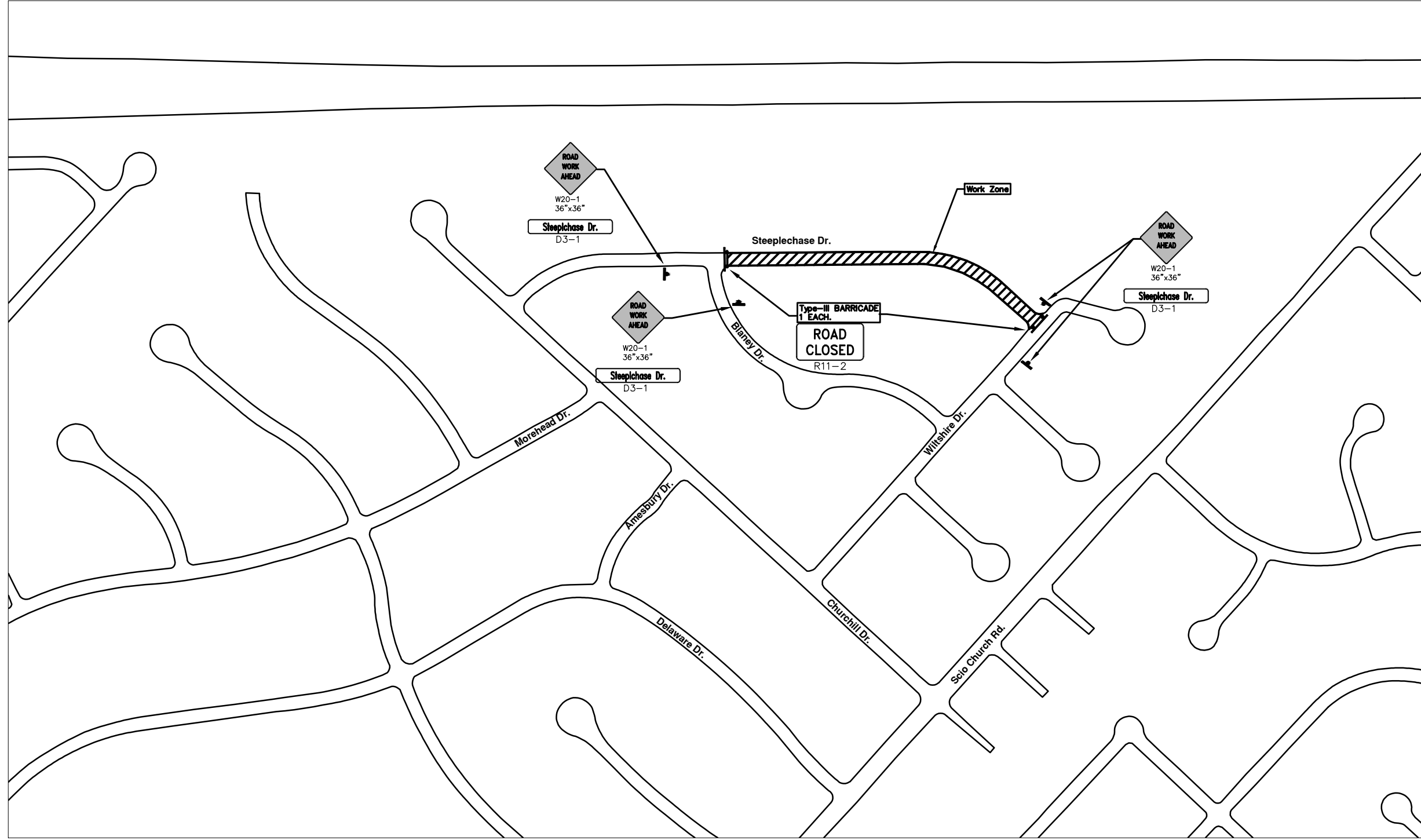
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 STEEPLECHASE  
 2014004-LAY-STEEPLECHASE - PLAN VIEW (02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-49

\\FILES\PSA\pub\Project Management\Design\2014004 Resurfacing\Plan Production\Steeplechase\2014004Lay-Steeplechase MTRF.dwg Dwg Created: 30-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



**STEEPLECHASE RD.**



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 STEEPLECHASE  
 2014004-LAY-STEEPLECHASE MTRF - MTRF

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-50



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: ST AUBIN AVENUE

FILE No. 2014004



S:\Project Management\Design\2014004 Resurfacing\Plan Production\St. Aubin\2014004.dwg - St. Aubin.dwg Dwg Created: 30-Jul-13 1:02 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	1100
208	Cold Milling Pavement, Curb Reveal	Tons	380
222	HMA Pavement Leveling, Regular	Tons	660
223	HMA Pavement Wearing, Regular	Tons	440
230	Rem. Curb & Gutter, Any Type	L.F.	200
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	760
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	100
238	Conc. Curb & Gutter - Any Type - High Early	L.F.	100
240	4" Sidewalk Or Ramp	S.F.	380
241	6" Drive, Sidewalk or Ramp	S.F.	270
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	120
245	Detectable Warning, Cast in Place	S.F.	20
250	2' Dia. Structure	Each	3
254	Lower Structure Cover	Each	4
255	Lwr. Mon. / Gate Valve Box	Each	1
256	Adj. Structure Cover	Each	4
257	Adj. Curb Inlet Structure Cover	Each	6
258	Adj. Monument or Gate Valve Box	Each	1
259	Manhole Flange & Cover (MDOT Type A)	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	15
268	Flowable Fill	C.Y.	4
271	21AA Limestone - C.I.P.	C.Y.	380
281	Arrow Panel - Furn. & Operate	Each	1
282	Plastic Drum - Lighted - Furn. & Operate	Each	50
283	Barricade Type III - Furn. & Operate	Each	2
284	Temp Sign - Type B	S.F.	136
285	No Parking Sign	Each	29
594	4" Blue Thermo. Handicapped spaces	L.F.	72
594	Rec. Polyurea Pvmt. Mkg., 4" White	L.F.	1656
598	Rec. Polyurea Pvmt. Mkg., Symbol or Legend	Each	3

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
4	W20-3	"ROAD CLOSED AHEAD"
10	D3-1	CONVENTIONAL GUIDE
1	TYPE C	LIGHTED ARROW, TYPE C
2	TYPE III	TYPE III LIGHTED BARRICADE
50	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 3 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

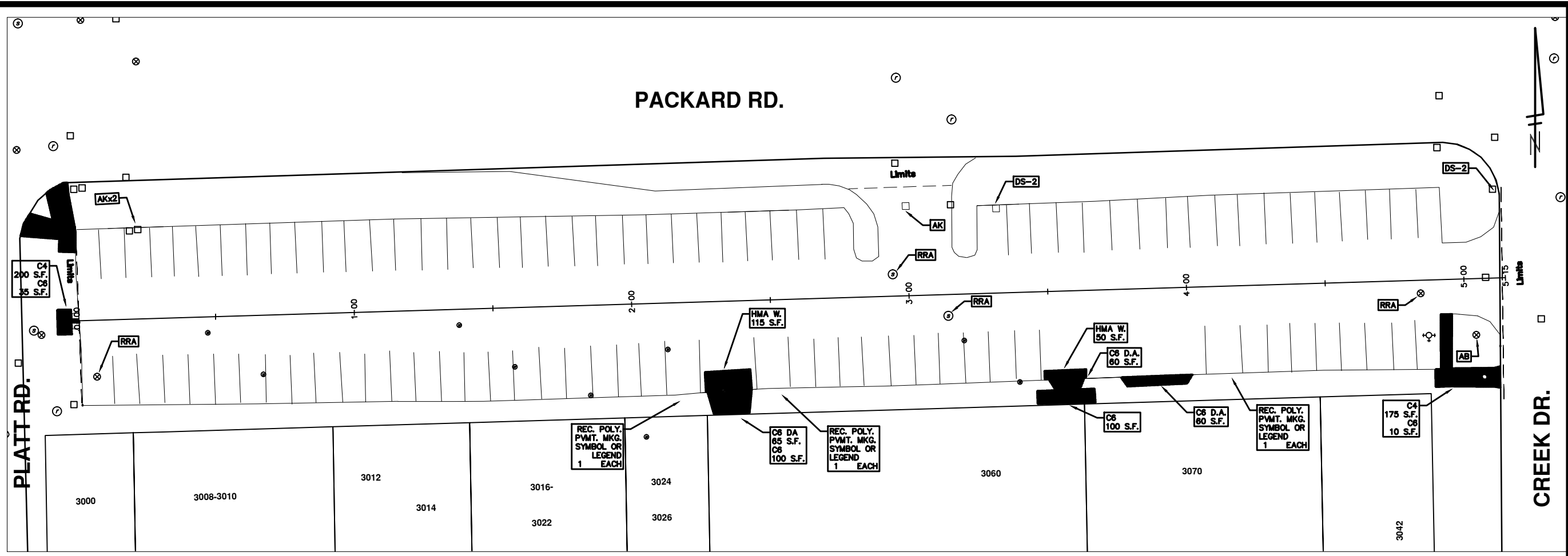
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
ST. AUBINA AVENUE

DRAWING No.  
2014004 - 51

SHEET No.  
51 TO 102

S:\Project Management\Design\2014004 Resurfacing\Plan Production\St. Aubin\2014004.dwg Dwg Created: 30-Jul-13 - \_g2 standard bw.stb - Plot Date: 11-Feb-14



### ST. AUBIN AVE.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
⊙	EXISTING SANITARY SEWER MANHOLE
⊖	EXISTING STORM SEWER MANHOLE
⊗	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊗	MICHCON GAS CO. VALVE BOX/WELL
⊖	AMERITECH TELEPHONE VAULT
⊖	ELECTRIC MANHOLE
⊕	SOIL BORING
□	EXISTING STORM SEWER INLET
⊖	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
---	CONSTRUCTION LIMITS
---	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT

**811**  
Know What's Below.  
Call before you dig.

DATE	DESCRIPTION	BY	CHECKED

CITY OF ANN ARBOR  
PUBLIC SERVICE  
301 EAST WASHINGTON STREET  
ANN ARBOR, MI 48107-8647  
www.a2gov.org

OUT FOR BID  
REV. 00

CITY OF ANN ARBOR  
PUBLIC SERVICE  
301 EAST WASHINGTON STREET  
ANN ARBOR, MI 48107-8647  
www.a2gov.org

CONSTRUCTION PLAN  
ST AUBIN

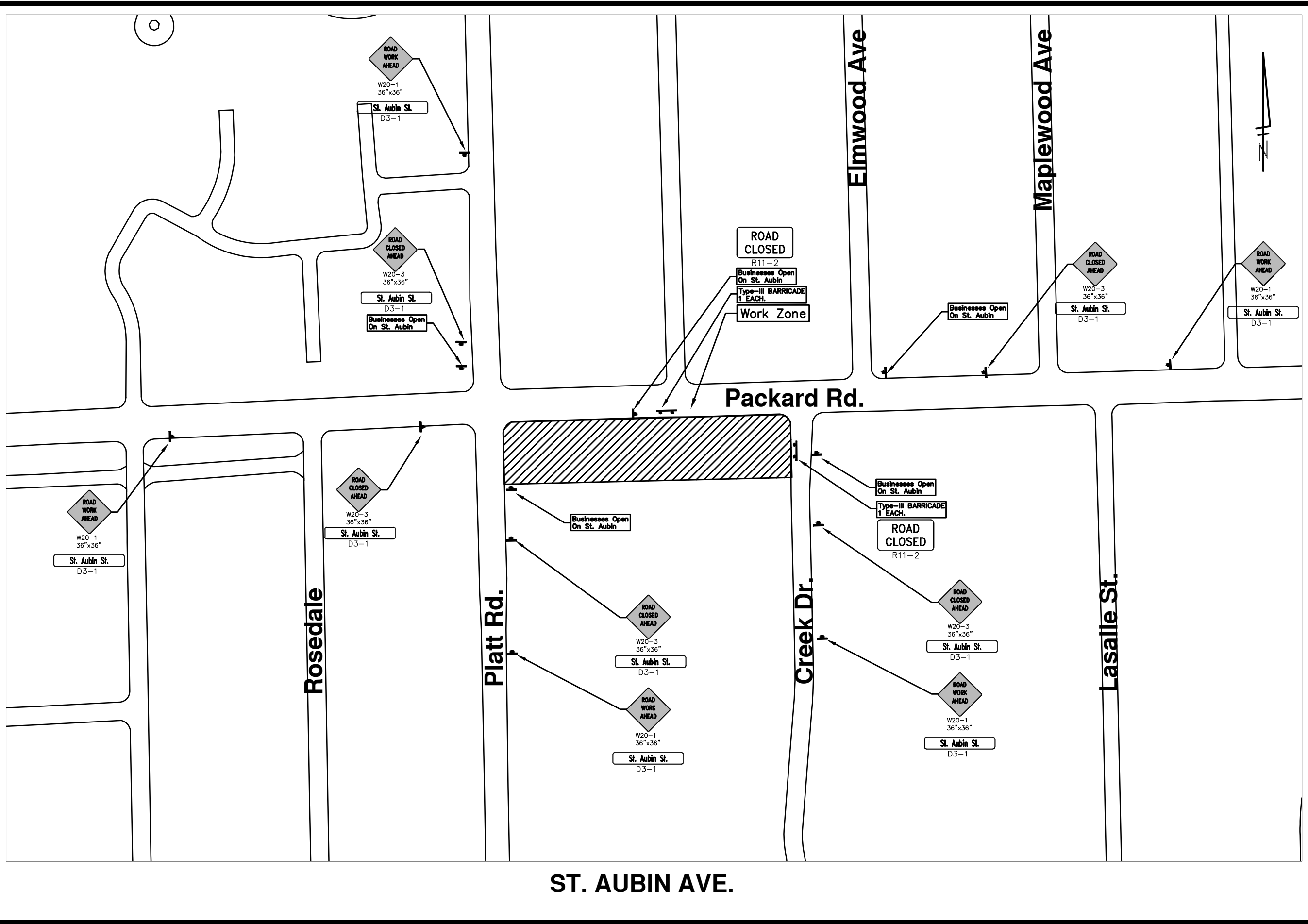
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM

SCALE PLAN: Custom  
DRAWING No.  
2014004-52

SHEET No.

52 OF 102

S:\Project\_Management\Design\2014004\_Resurfacing\Plan\_Production\St\_Aubin\2014004MTRF-St\_Aubin.dwg Dwg Created: 2-Aug-13 --\_02 standard bw.stb -- Plot Date: 11-Feb-14



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST WASHINGTON STREET  
 ANN ARBOR, MI 48107-8647  
 www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 ST AUBIN  
 TRAFFIC CONTROL

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-53



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: NEWPORT ROAD

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004\Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_o2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	2020
209	Subgrade Undercutting Type II	C.Y.	970
221	HMA Finish Wedging	Tons	29
226	HMA Pavement Wearing - 5E3	Tons	870
227	HMA Pavement Base or Leveling - 4E3	Tons	1160
228	Bituminous Curb, Remove	L.F.	4000
229	Bituminous Curb	L.F.	4000
230	Rem. Curb & Gutter, Any Type	L.F.	500
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	760
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1000
240	4" Sidewalk or Ramp	S.F.	6000
241	6" Drive, Sidewalk or Ramp	S.F.	500
245	Detectable Warning, Cast in Place	S.F.	60
246	Integral Sidewalk Ret. Wall (< 6")	S.F.	150
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	200
254	Lower Structure Cover	Each	14
256	Adjust Structure Cover	Each	14
257	Adjust Curb Inlet Structure Cover	Each	6
259	Manhole Flange & Cover (MDOT Type A)	Each	2
260	Inlet Structure Cover (MDOT Type K)	Each	1
271	21AA Limestone - C.I.P.	C.Y.	1000
282	Plastic Drum - Lighted - Furn. & Operate	Each	50
283	Barricade Type III - Furn. & Operate	Each	11
284	Temp Signs Type - B	S.F.	520
286	Sign, Portable Changeable Mess., Furn.	Each	2
295	Tubular Markers, 36", Furn & Oper.	Each	160
594	Rec. Polyurea Pvm. Mkg., 4" White	L.F.	2500
595	Rec. Polyurea Pvm. Mkg., 4" Yellow	L.F.	6800
596	Rec. Polyurea Pvm. Mkg., 6" White or Yellow	L.F.	6800
597	Rec. Polyurea Pvm. Mkg., 24" White	L.F.	100
598	Rec. Polyurea Pvm. Mkg., Symbol or Legend	Each	2

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
12	W20-1	"ROAD WORK AHEAD"
11	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
2	W1-6	ARROW BOARD
160		TUBULAR MARKERS 36"
33	D3-1	CONVENTIONAL GUIDE
8	TYPE III	TYPE III LIGHTED BARRICADE
100	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, NO PARKING AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY, DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX 4E3 AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX 5E3 AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

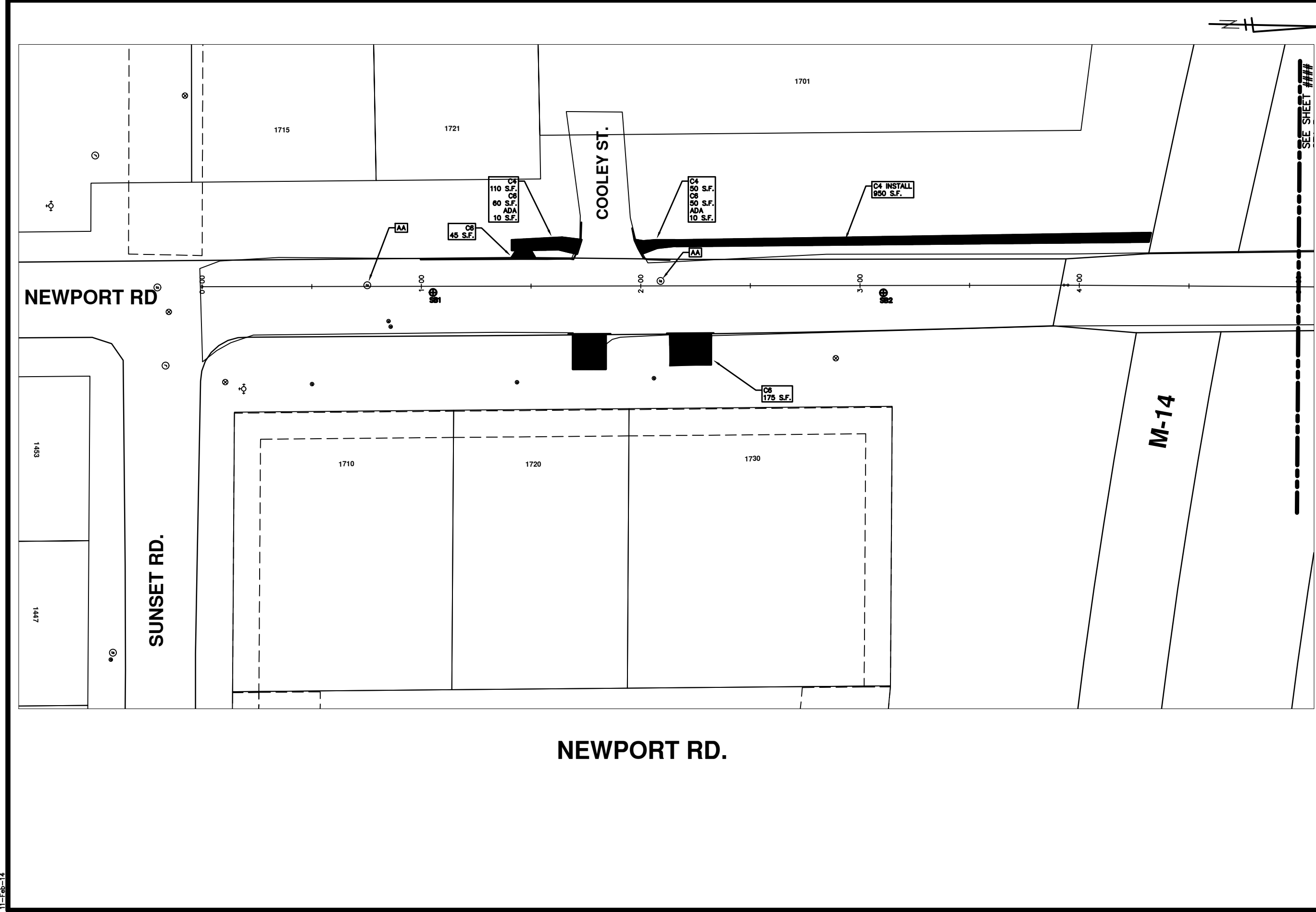
2014 ANNUAL RESURFACING  
NEWPORT RD.

DRAWING No.  
2014004 - 54

SHEET No.

54 TO 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



SEE SHEET ###



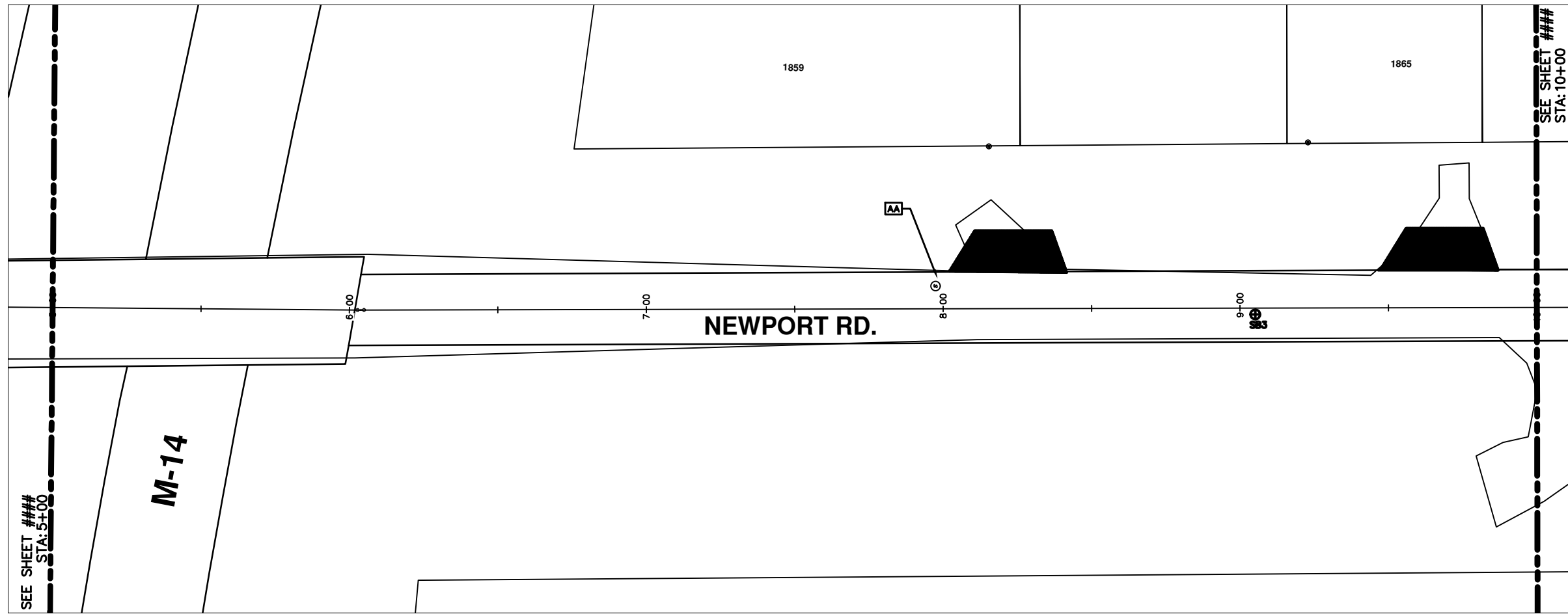
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-58

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHIGAN GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
	REMOVE CONCRETE SIDEWALK
	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



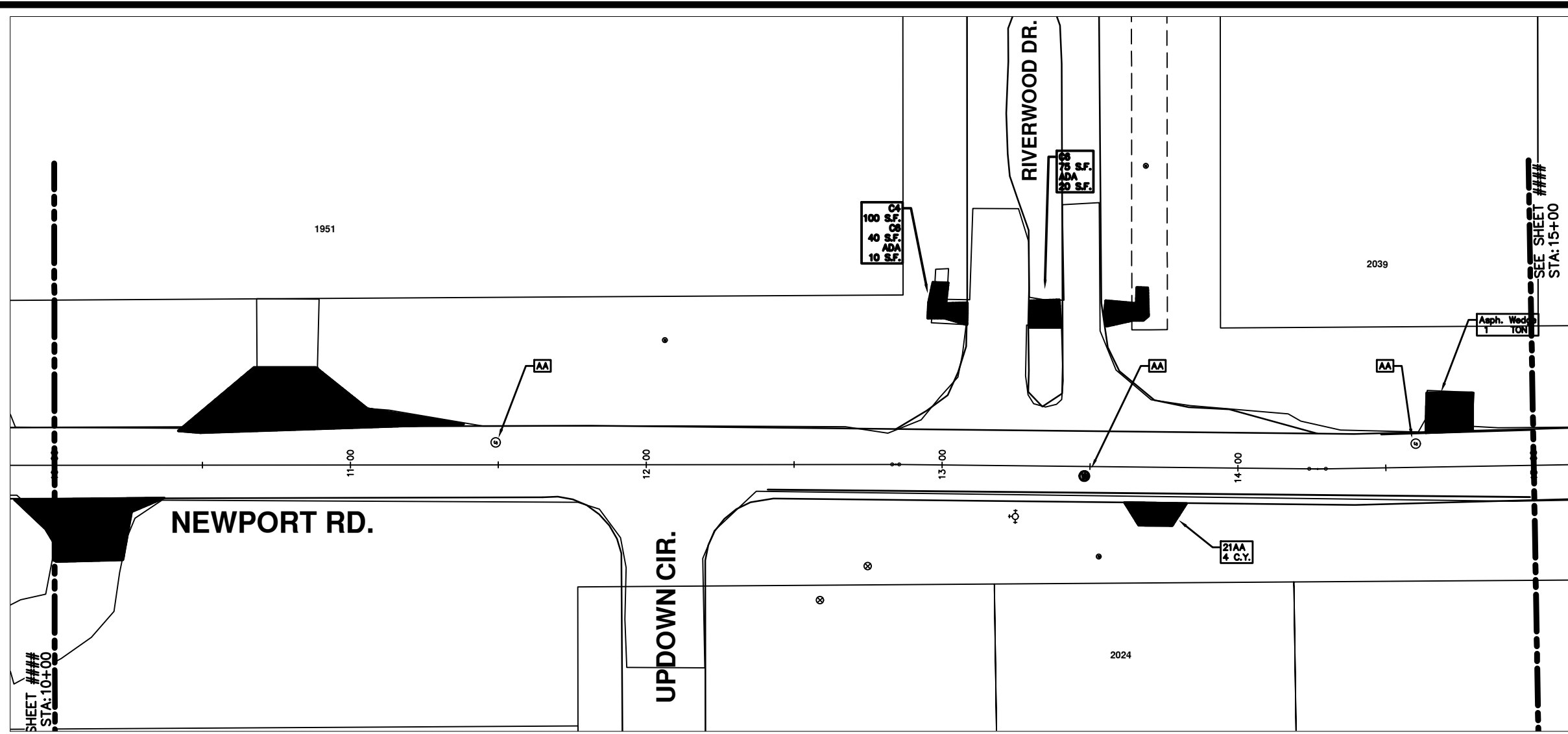
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (02)



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



# NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
CB	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

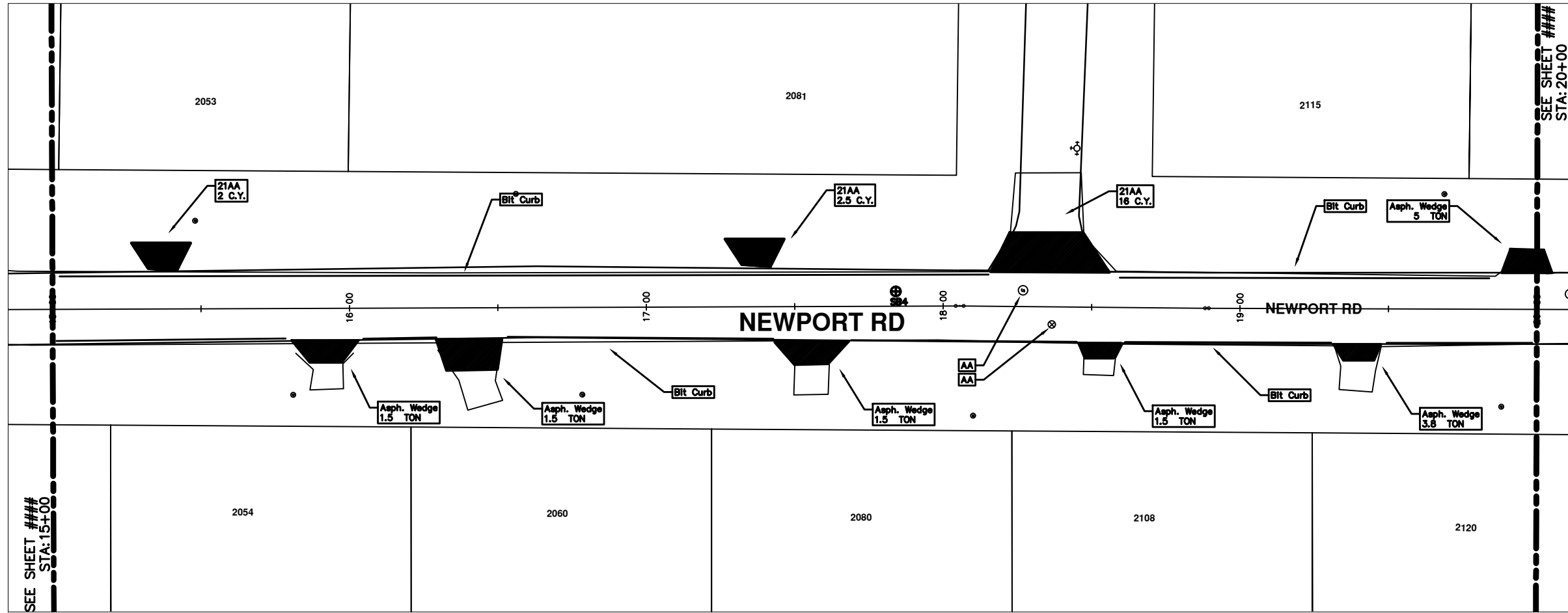


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (03)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-60

SHEET No.  
 60 OF 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



### NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
○	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
■	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN VIEW. MAKE YOUR EDIT AND SAVE.



DATE	BY	DATE	BY

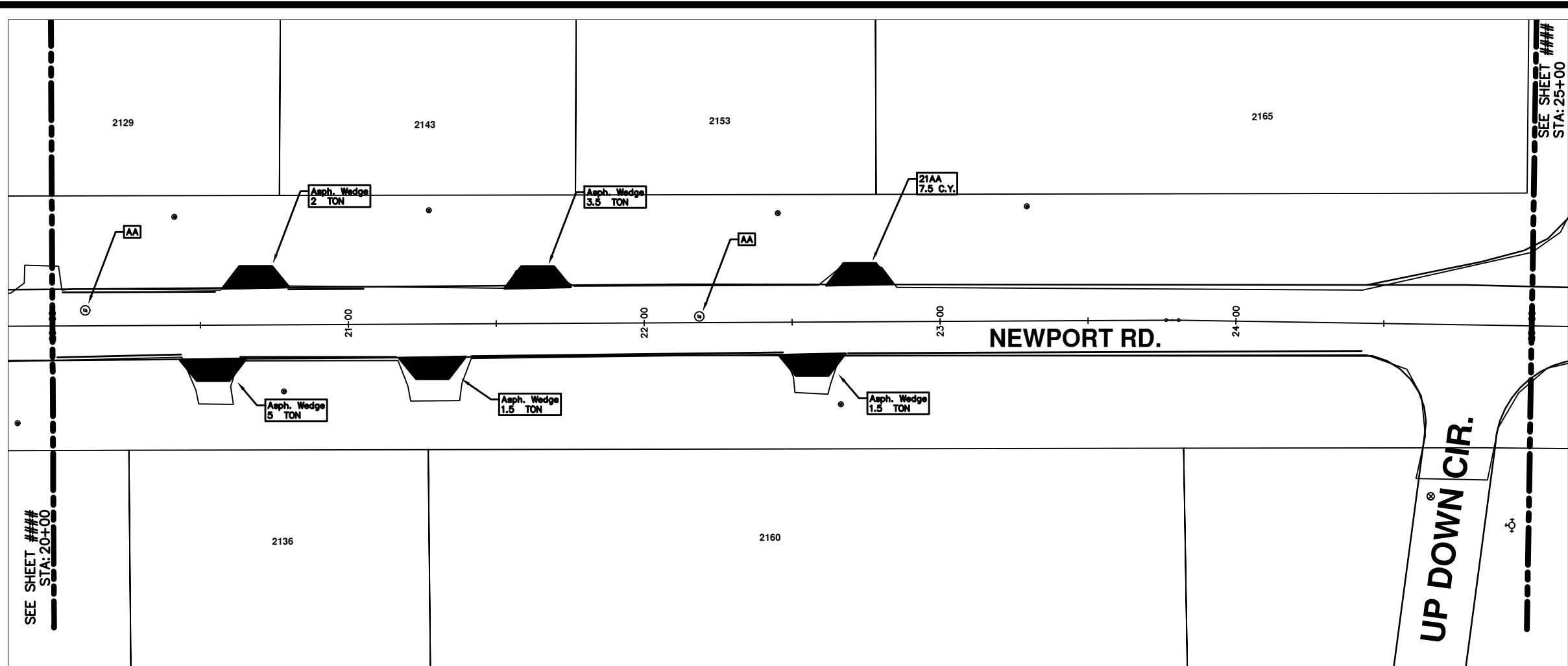


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (04)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-61

SHEET No.  
 61 OF 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMENITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*\*\*\*\* THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN NEW, MAKE YOUR EDIT AND SAVE.

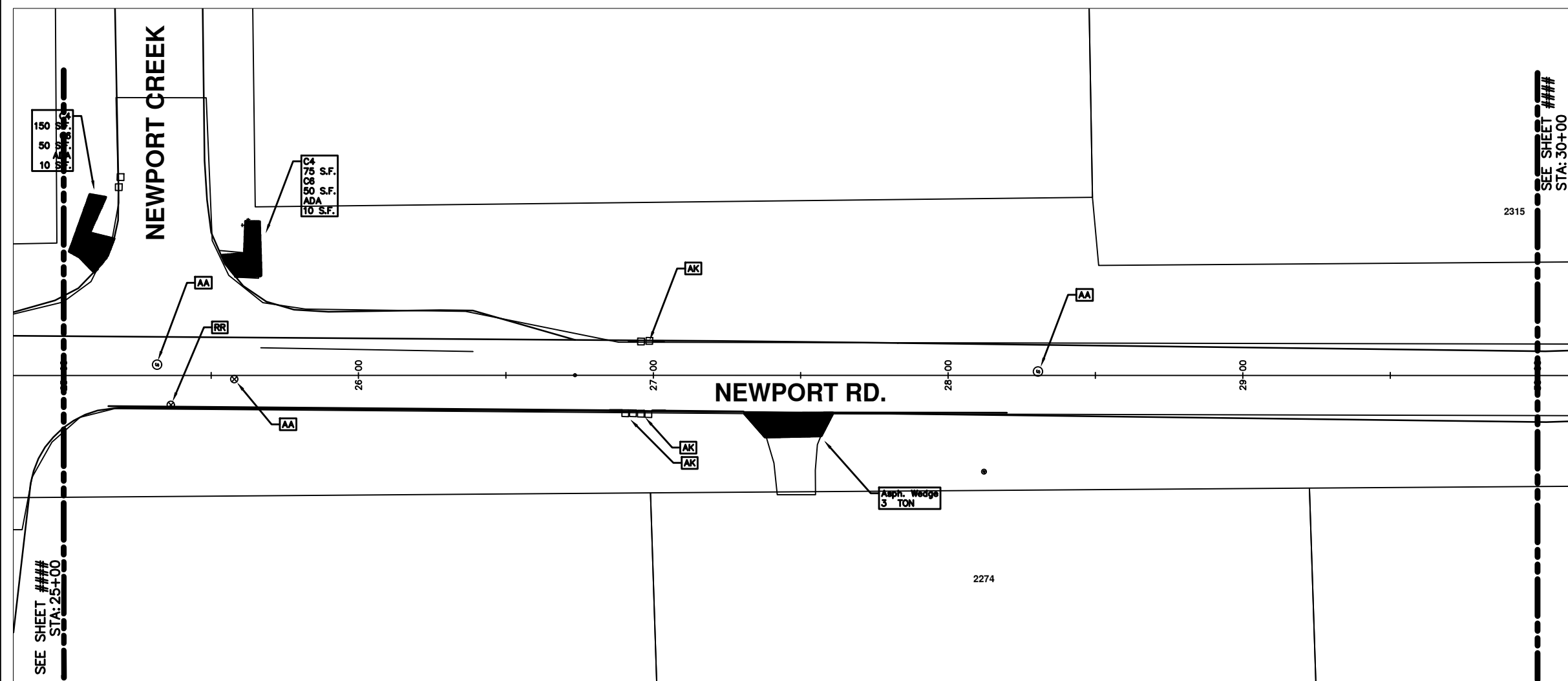


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (05)

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



SEE SHEET ###  
STA: 30+00

## NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
⊙	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊕	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊕	MICHIGAN GAS CO. VALVE BOX/WELL
⊕	AMERTECH TELEPHONE VAULT
⊕	ELECTRIC MANHOLE
⊕	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT

THIS DRAWING IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE. MAKE YOUR EDIT AND SAVE.



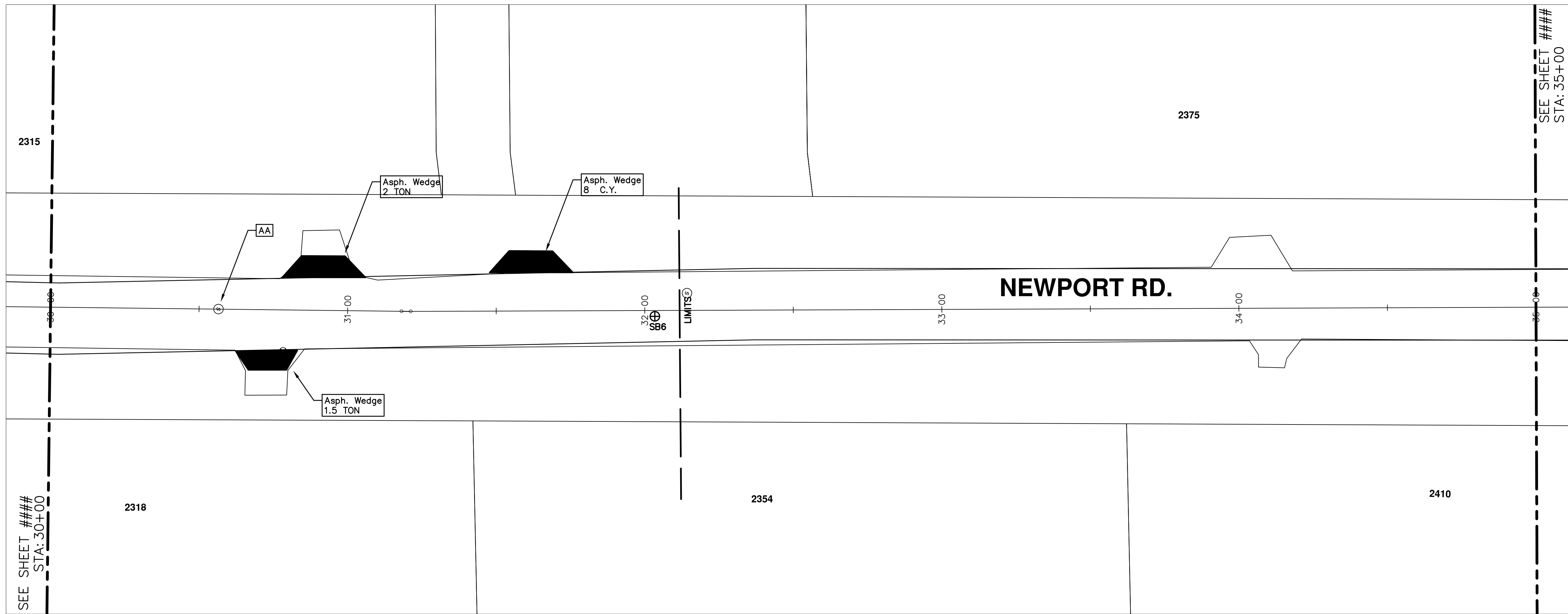
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004-LAY-NEWPORT1 - PLAN VIEW (06)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-63

\\FILES\PSAPub\$\Project Management\Design\2014004\_Resurfacing\Plan\_Production\Newport\2014004Lay-Newport1.dwg Dwg Created: 9-Jan-14 - \_a2\_standard bw.stb - Plot Date: 11-Feb-14

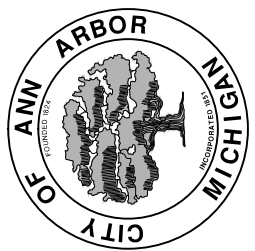


## NEWPORT RD.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
⊙	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
▨	REMOVE CONCRETE SIDEWALK
▨	SUBGRADE UNDERCUT

\*\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
NEWPORT

2014004LAY-NEWPORT1 - PLAN VIEW (07)

SCALE PLAN: 1" = 20'  
DRAWING No. 2014004-64

SHEET No.

64 OF 102



REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED
00	OUT FOR BID	DATE	DATE	DATE

SEE SHEET ###  
STA: 35+00

2315

2375

NEWPORT RD.

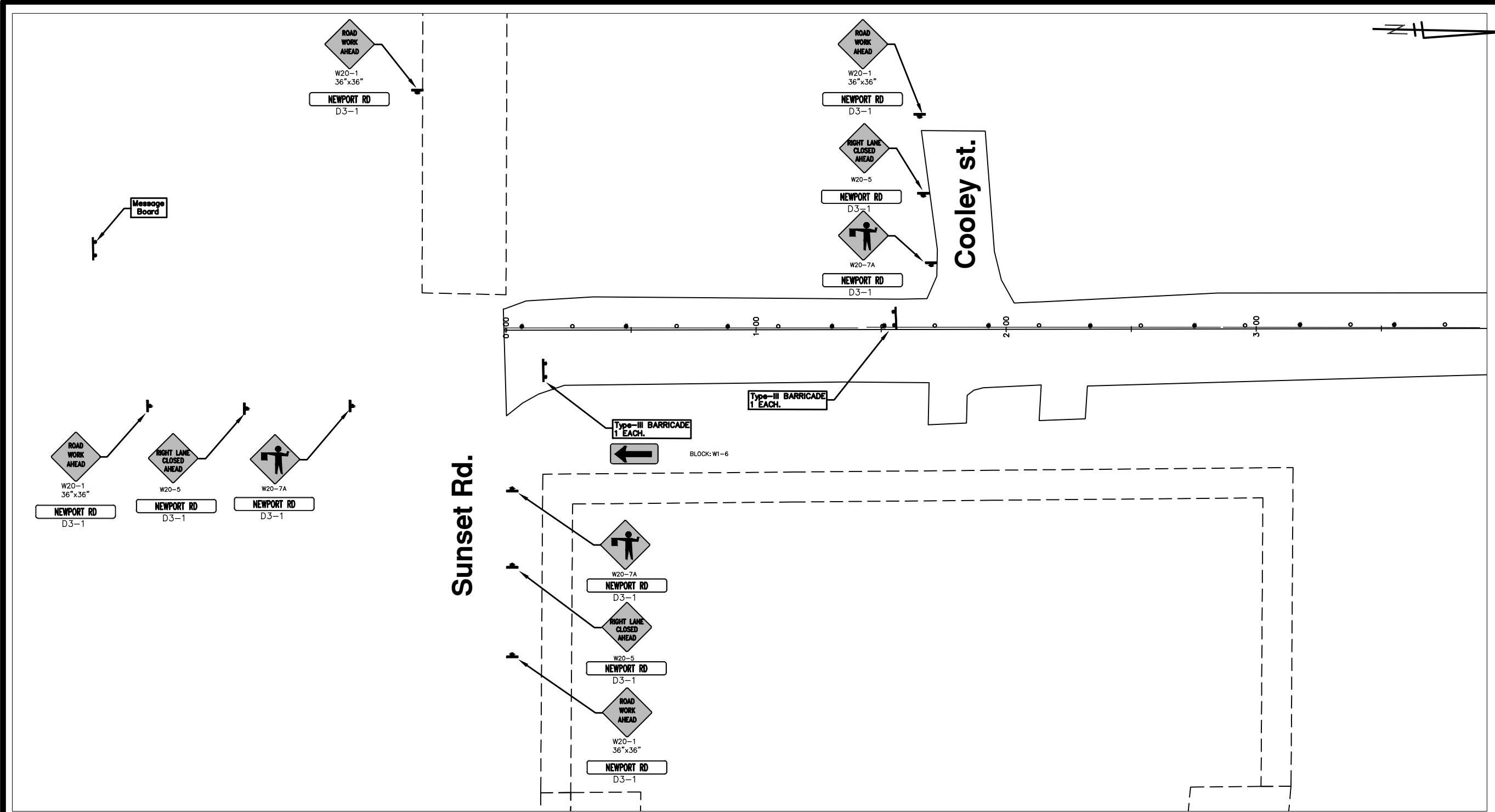
SEE SHEET ###  
STA: 30+00

2318

2354

2410

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 -- \_a2 standard bw.stb -- Plot Date: 11-Feb-14



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



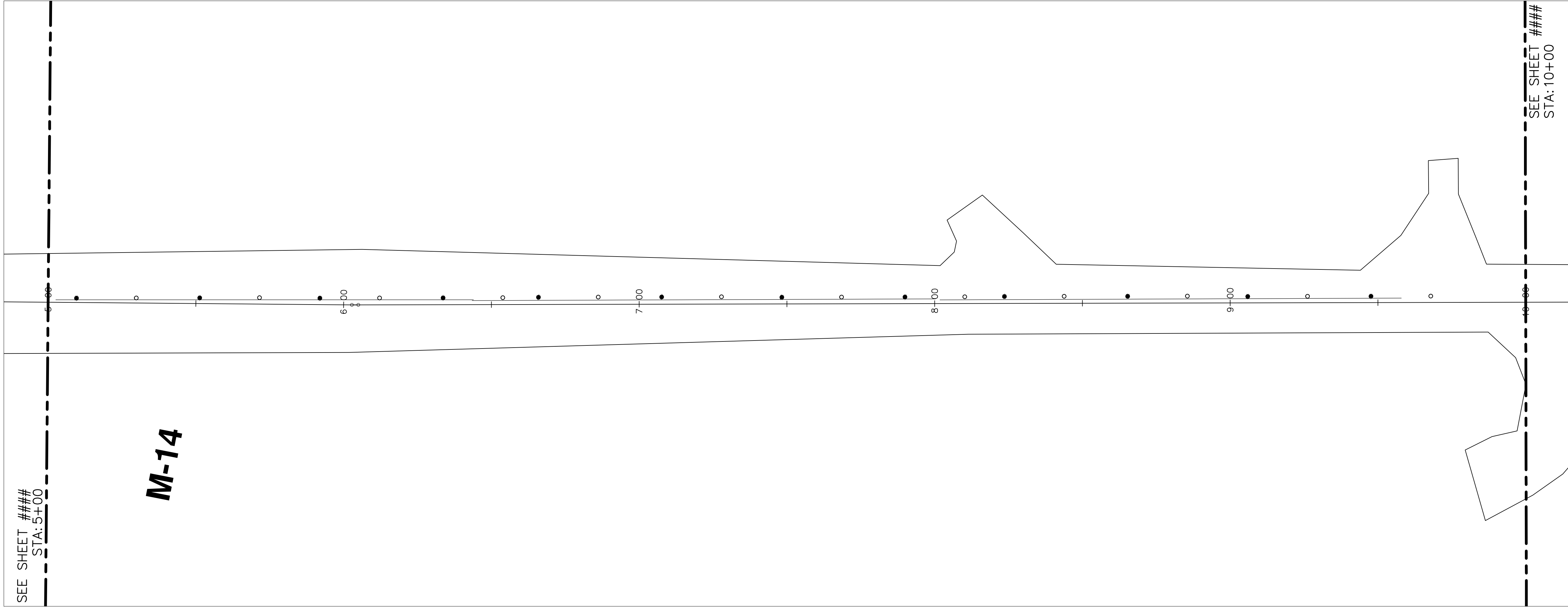
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - MTRF(1)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-65

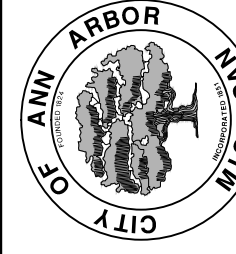
SEE SHEET ###  
STA: 5+00

**M-14**

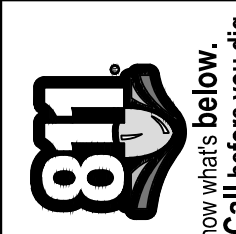
**NEWPORT RD**



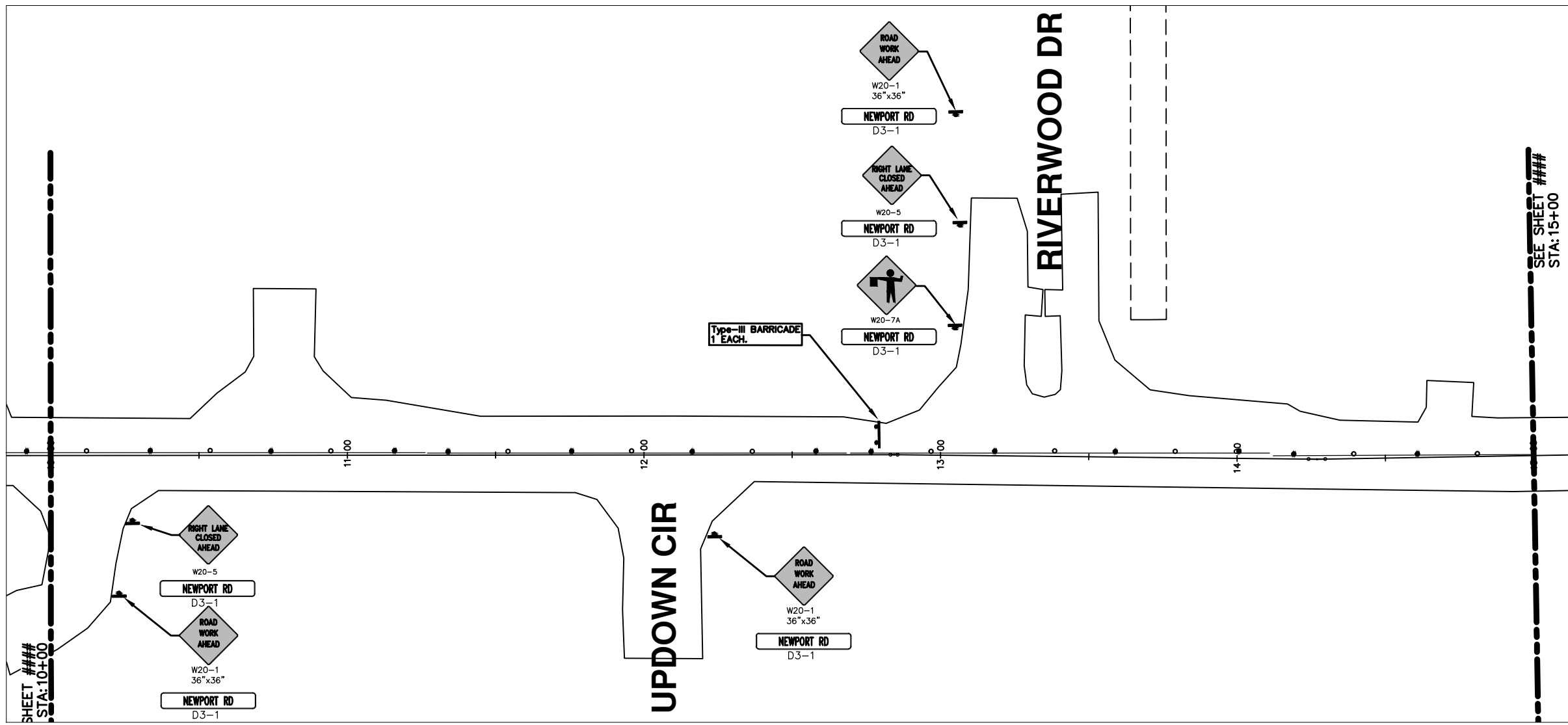
SEE SHEET ###  
STA: 10+00



NO	OUT FOR BID	DESCRIPTION	DATE	DATE	BY	CHECKED



\\FILES\PSAPub\$Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1\MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



**NEWPORT RD**



SHEET ###  
STA: 10+00

SEE SHEET ###  
STA: 15+00



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

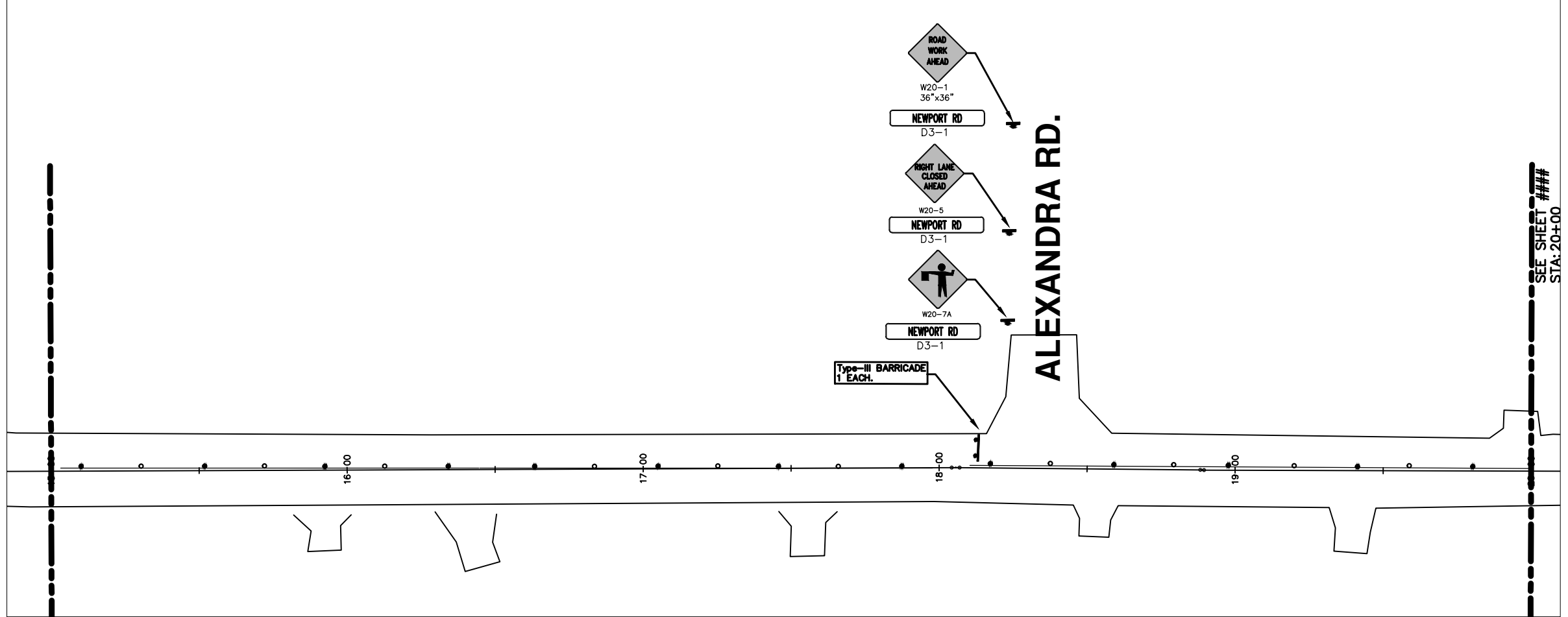


**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1\MTRF - MTRF(3)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-67



\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



NEWPORT RD

ALEXANDRA RD.

SEE SHEET ###  
STA: 20+00



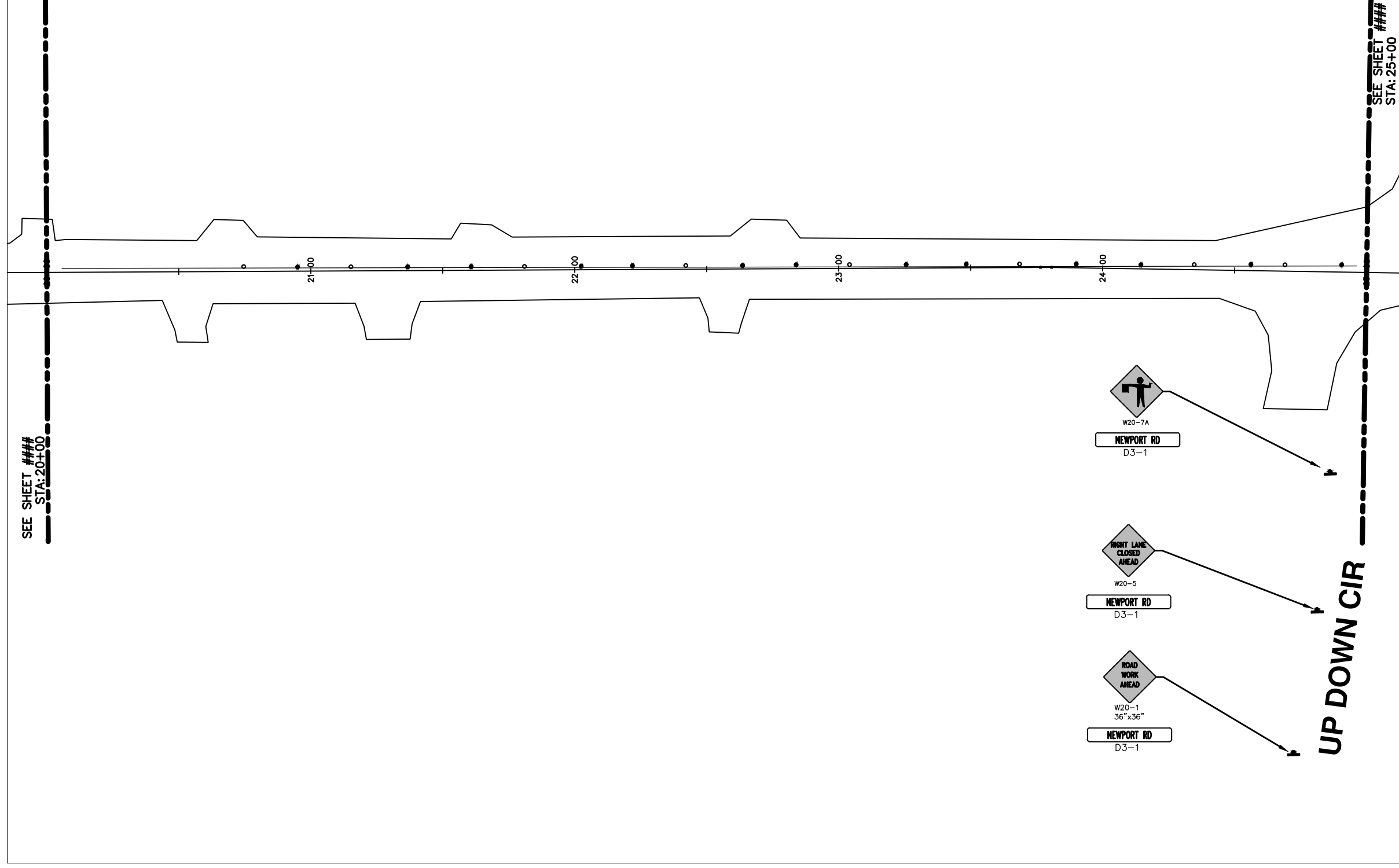
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
NEWPORT  
2014004LAY-NEWPORT1MTRF - MTRF(4)

SCALE PLAN: 1" = 20'  
DRAWING No.  
201400-4-68

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



**NEWPORT RD**

SEE SHEET ###  
STA: 20+00

SEE SHEET ###  
STA: 25+00



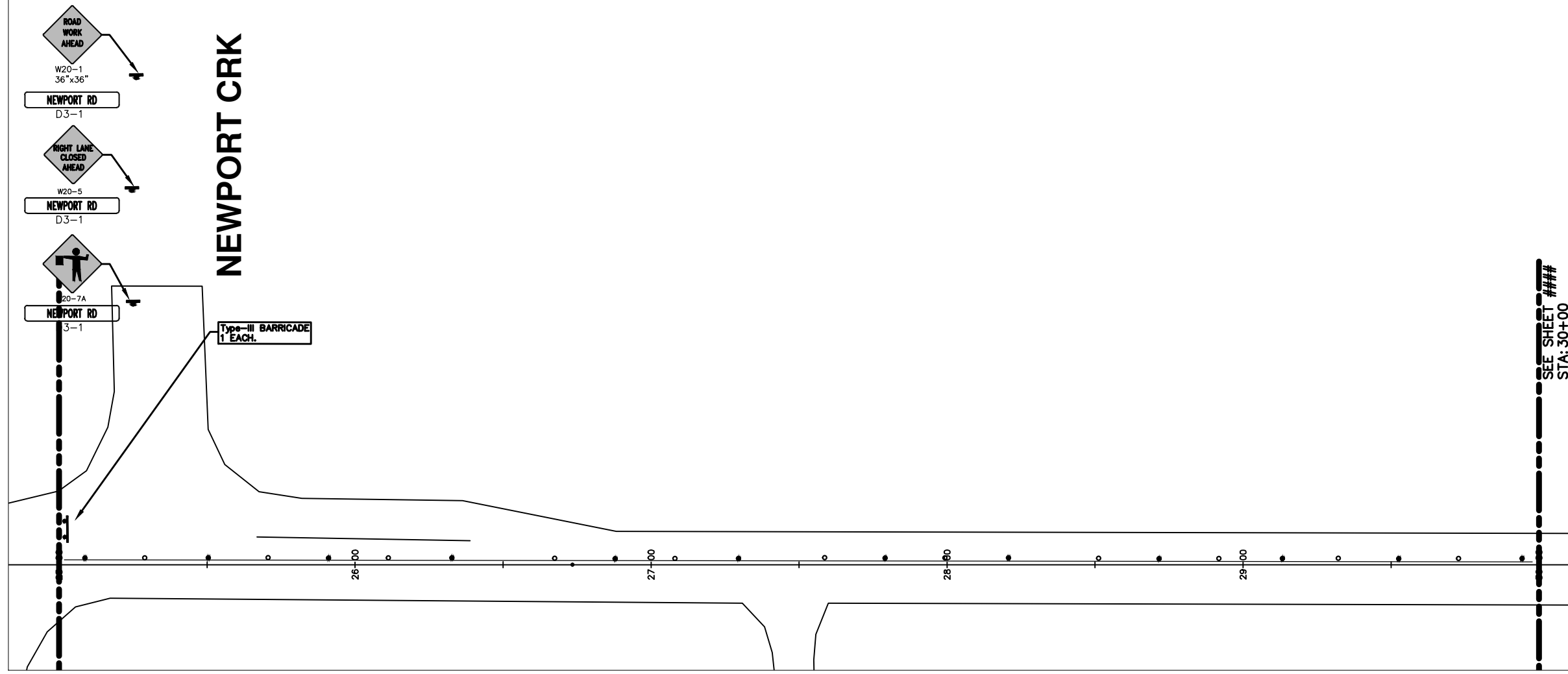
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - MTRF(5)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-69

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



NEWPORT RD.

SEE SHEET ###  
STA: 30+00

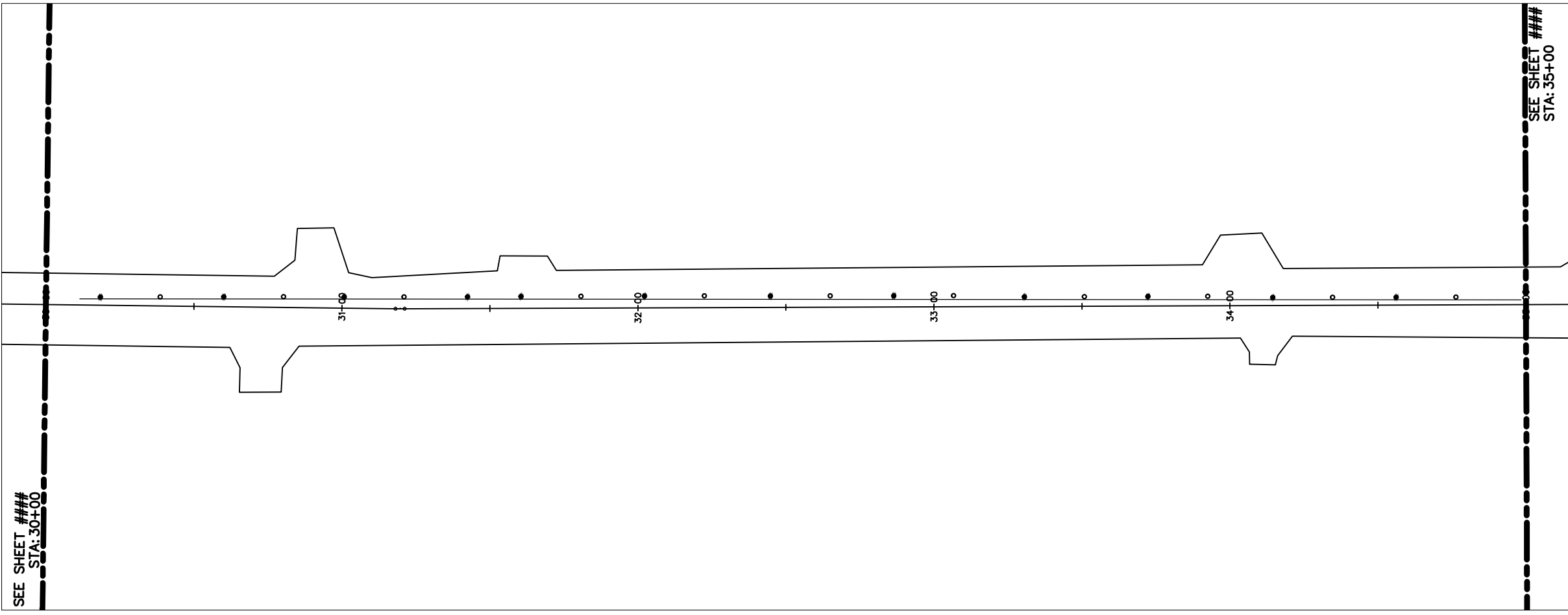


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - MTRF(6)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-70



SEE SHEET ###  
STA: 30+00

SEE SHEET ###  
STA: 35+00

# NEWPORT RD



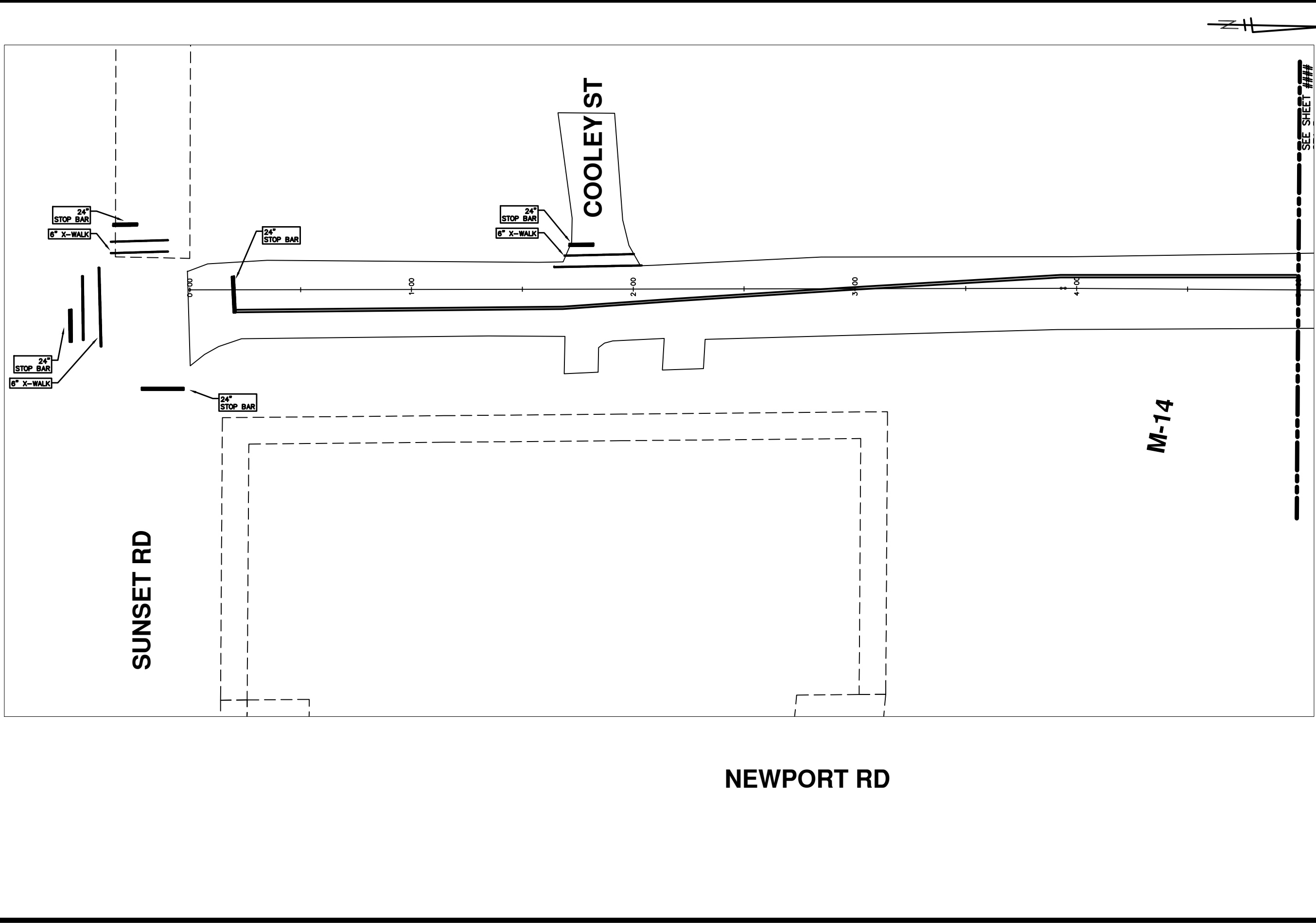
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - MTRF(7)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-71

\\FILES\PSAPub\$Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



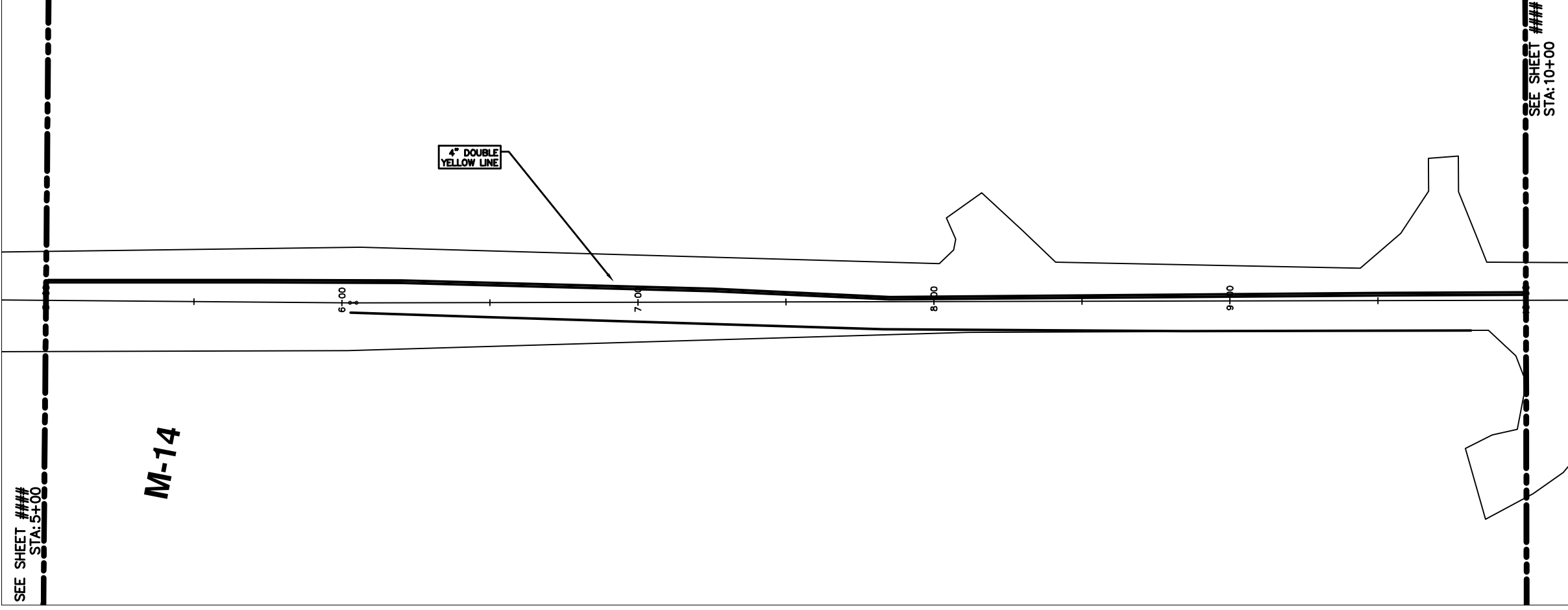
REV.	OUT FOR BID	DESCRIPTION	DATE	DATE	BY	CHECKED
00						



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(1)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-72

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				

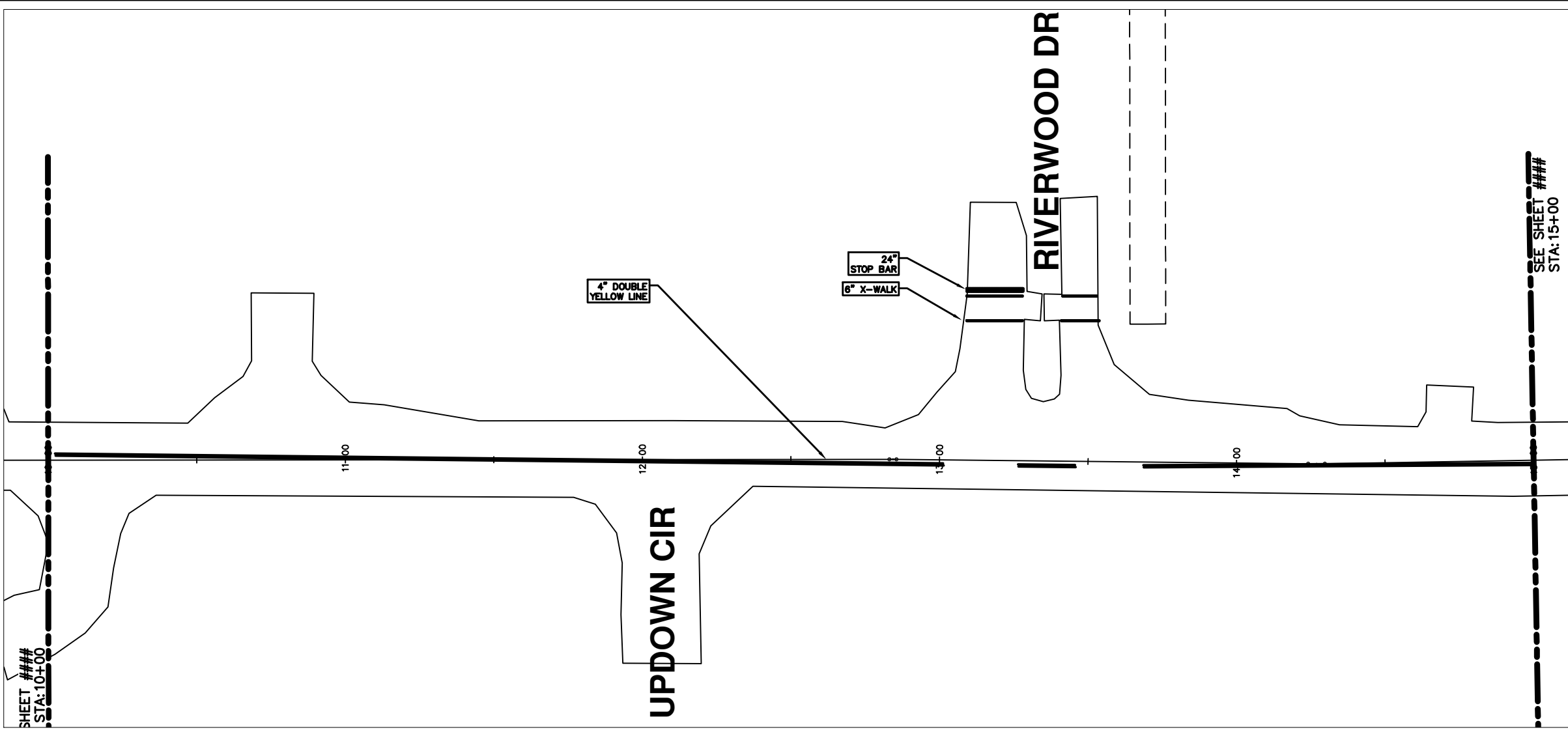


**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(2)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-73

\\FILES\PSAPub\$Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

SHEET ###  
STA: 10+00



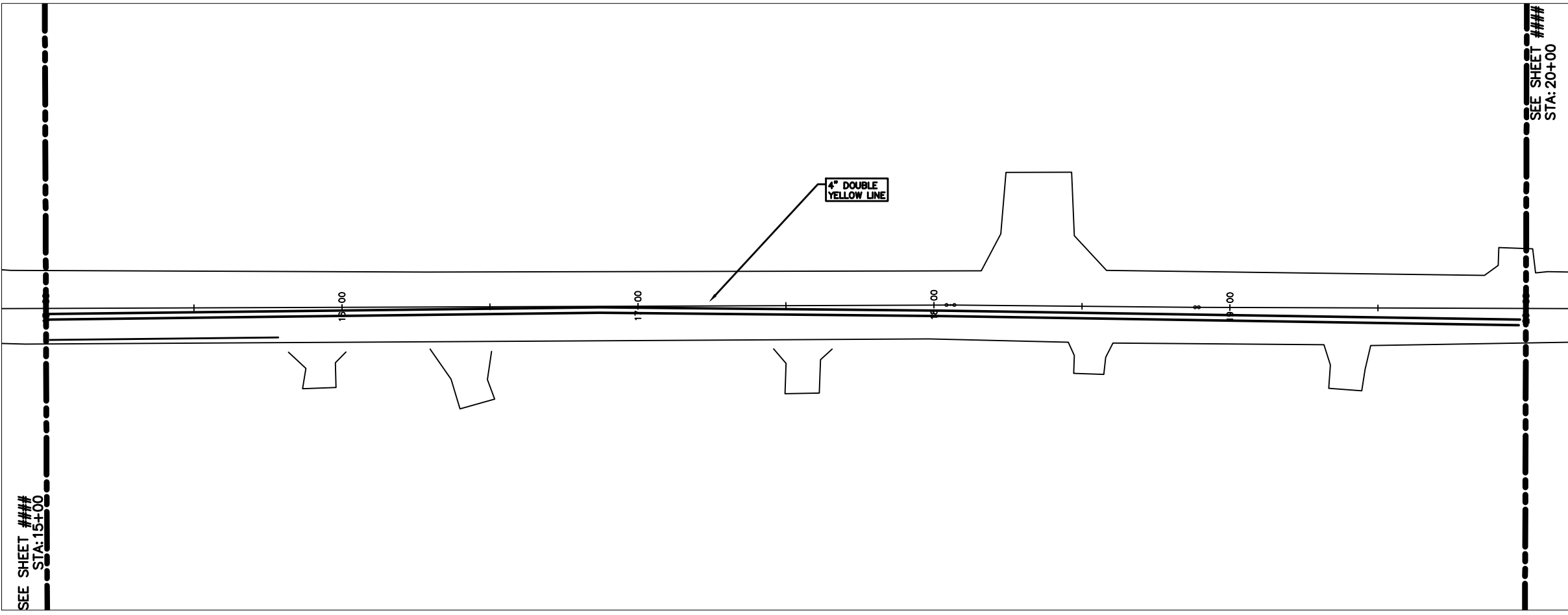
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
NEWPORT  
2014004LAY-NEWPORT1MTRF - PM(3)

SCALE PLAN: 1" = 20'  
DRAWING No.  
201400-4-74

SHEET No.  
74 OF 102



ROAD NAME



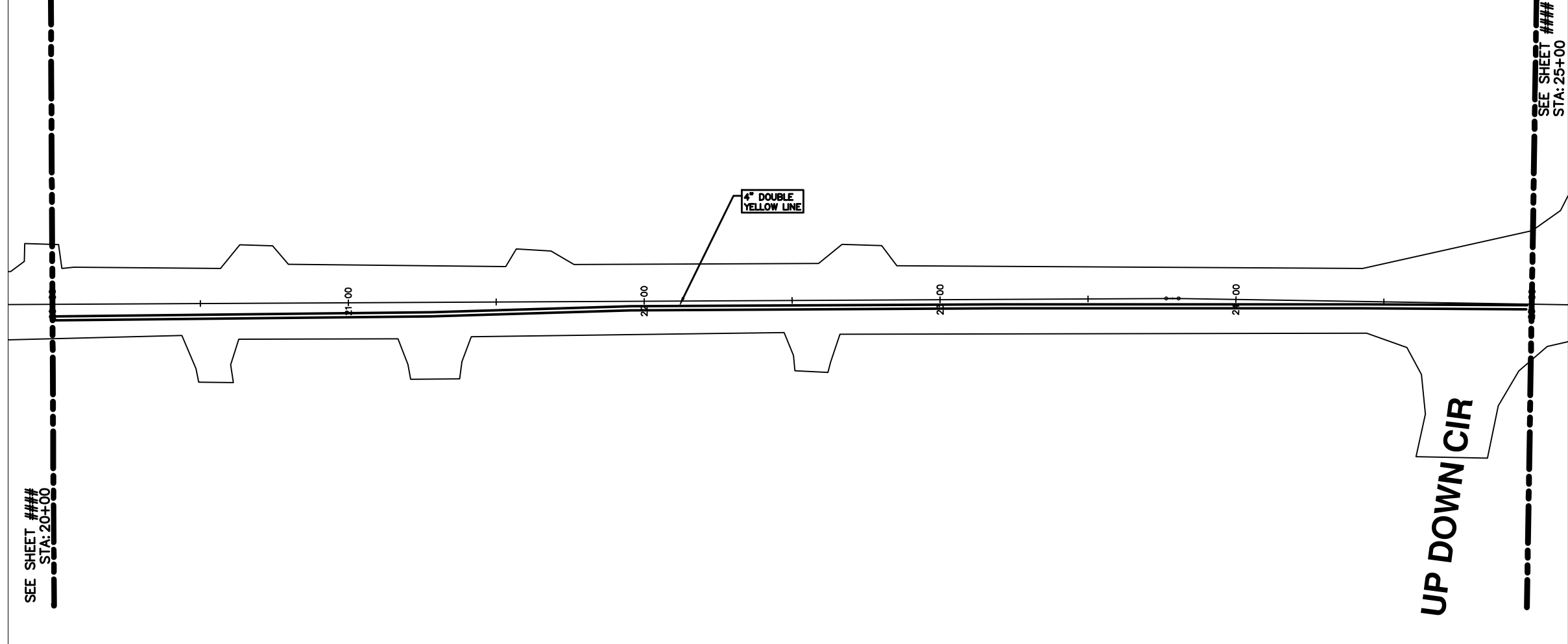
REV.	OUT FOR BID	DESCRIPTION	DATE	DATE	BY	CHECKED
00						



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(4)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-75





**NEWPORT RD.**



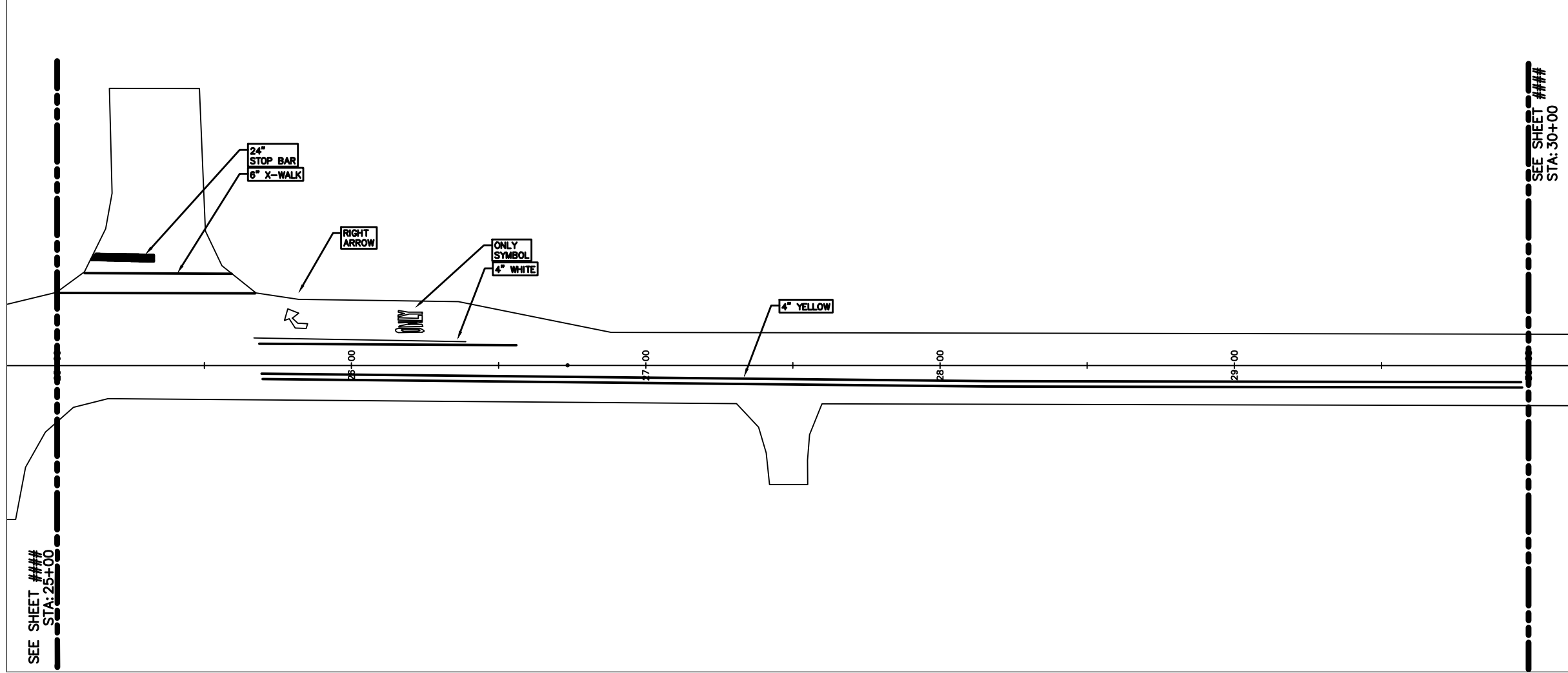
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(5)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-76

\\FILES\PSAPub\$Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

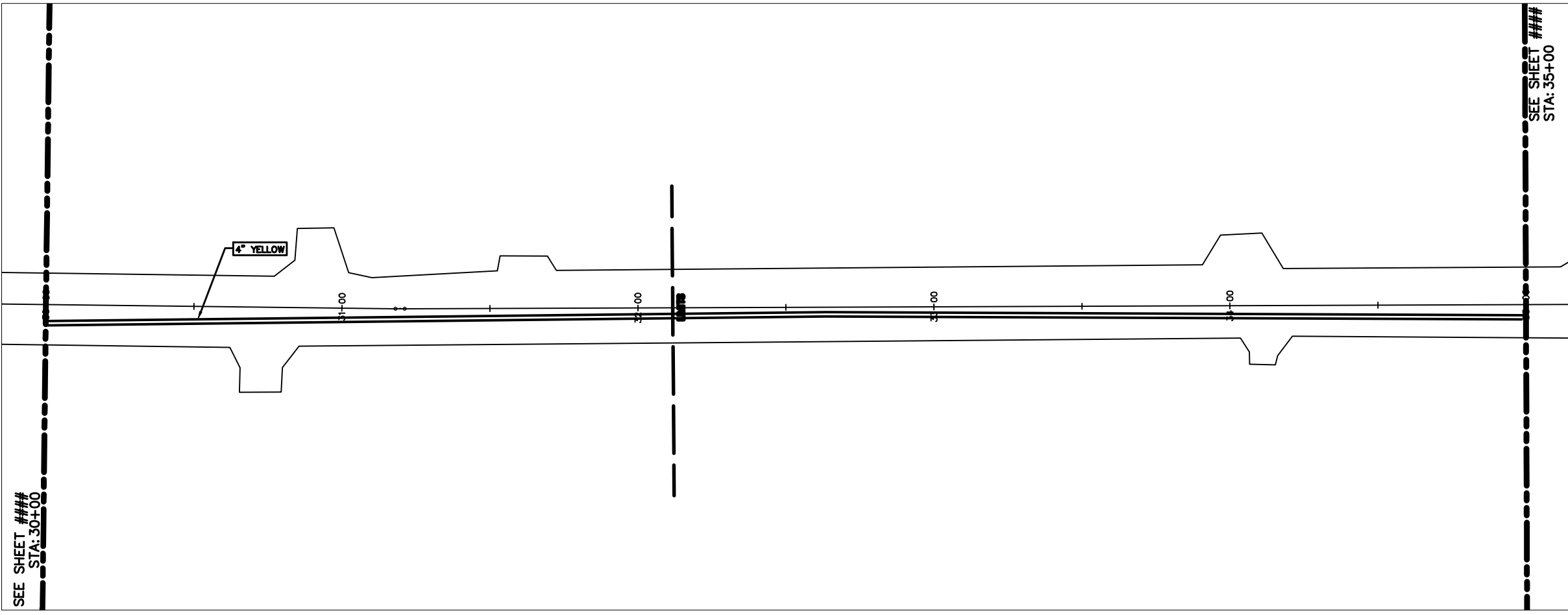


REV.	OUT FOR BID	DESCRIPTION	DATE	DATE	BY	CHECKED
00						



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(6)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-77



# NEWPORT RD



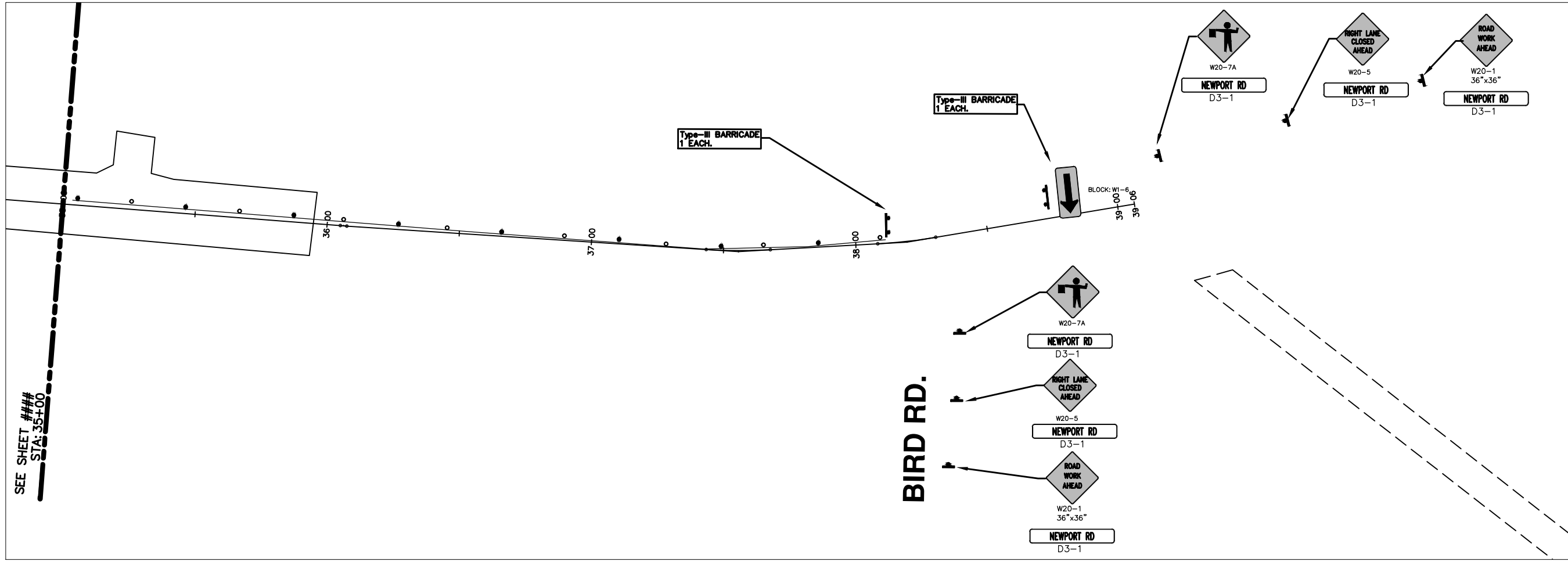
REV.	DESCRIPTION	DATE	DATE	BY	CHECKED
00	OUT FOR BID				



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - PM(7)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-78

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Newport\2014004Lay-Newport1MTRF.dwg Dwg Created: 6-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



**NEWPORT RD**

**BIRD RD.**

SEE SHEET ###  
STA: 35+00



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 NEWPORT  
 2014004LAY-NEWPORT1MTRF - MTRF(6)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 201400-4-79



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: WOODBURY DRIVE

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Woodbury\2014004Lay-Woodbury.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	20
207	Cold Milling Pavement	Tons	910
209	Subgrade Undercutting - Type II	C.Y.	310
220	HMA Patching	Tons	8
222	HMA Pavement Leveling, Regular	Tons	520
223	HMA Pavement Wearing, Regular	Tons	390
230	Remove Curb & Gutter, Any Type	L.F.	650
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	50
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	650
241	6" Drive, Sidewalk or Ramp	S.F.	50
245	Detectable Warning, Cast in Place	S.F.	10
254	Lower Structure Cover	Each	9
256	Adjust Structure Cover	Each	9
257	Adjust Curb Inlet Structure Cover	Each	8
258	Manhole Flange & Cover (MDOT Type A)	Each	9
271	21AA Limestone - C.I.P.	C.Y.	310
281	Arrow Panel - Furn. & Operate	Each	1
282	Plastic Drum - Lighted - Furn. & Operate	Each	80
283	Barricade Type III - Furn. & Operate	Each	3
284	Temp Signs Type - B	S.F.	341
285	No Parking Sign	Each	39
596	Rec. Polyurea Pvmt. Mkg., 6" White or Yellow	L.F.	215
597	Rec. Polyurea Pvmt. Mkg., 24" White	L.F.	30

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
6	W20-1	"ROAD WORK AHEAD"
1	W20-2	"DETOUR AHEAD"
8	W20-3	"ROAD CLOSED AHEAD"
10	D3-1	CONVENTIONAL GUIDE
1	M4-8a	"DETOUR ENDS"
4	M4-9	"DETOUR ARROW"
3	R11-4	"ROAD CLOSED TO THRU TRAFFIC"
1	TYPE A	LIGHTED ARROW, TYPE A
3	TYPE III	TYPE III LIGHTED BARRICADE
80	TYPE III	TYPE III LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3-1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



**PROJECT MANAGEMENT SERVICE UNIT**  
CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

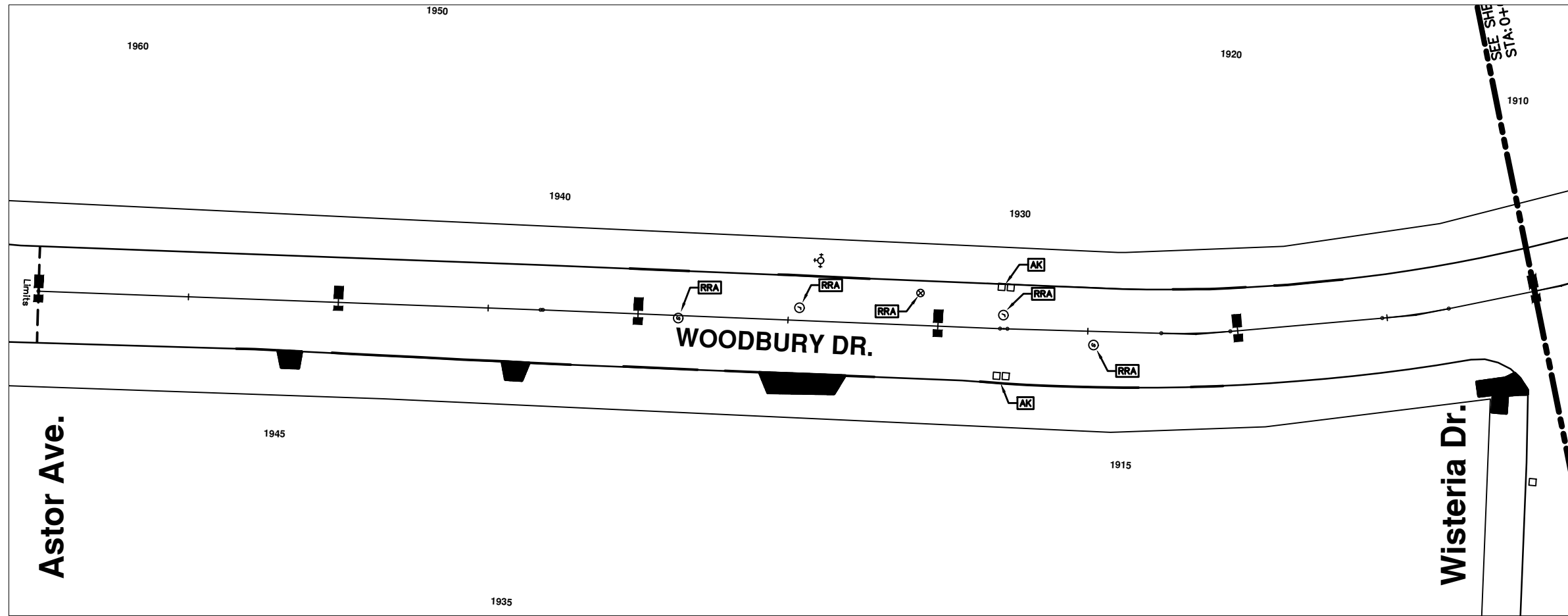
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
WOODBURY DRIVE

DRAWING No.  
2014004 - 80

SHEET No.  
80 TO 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Woodbury\2014004Lay-Woodbury.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WOODBURY DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCOON GAS CO. VALVE BOX/WELL
●	AMENTECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN HERE, MAKE YOUR EDIT AND SAVE.



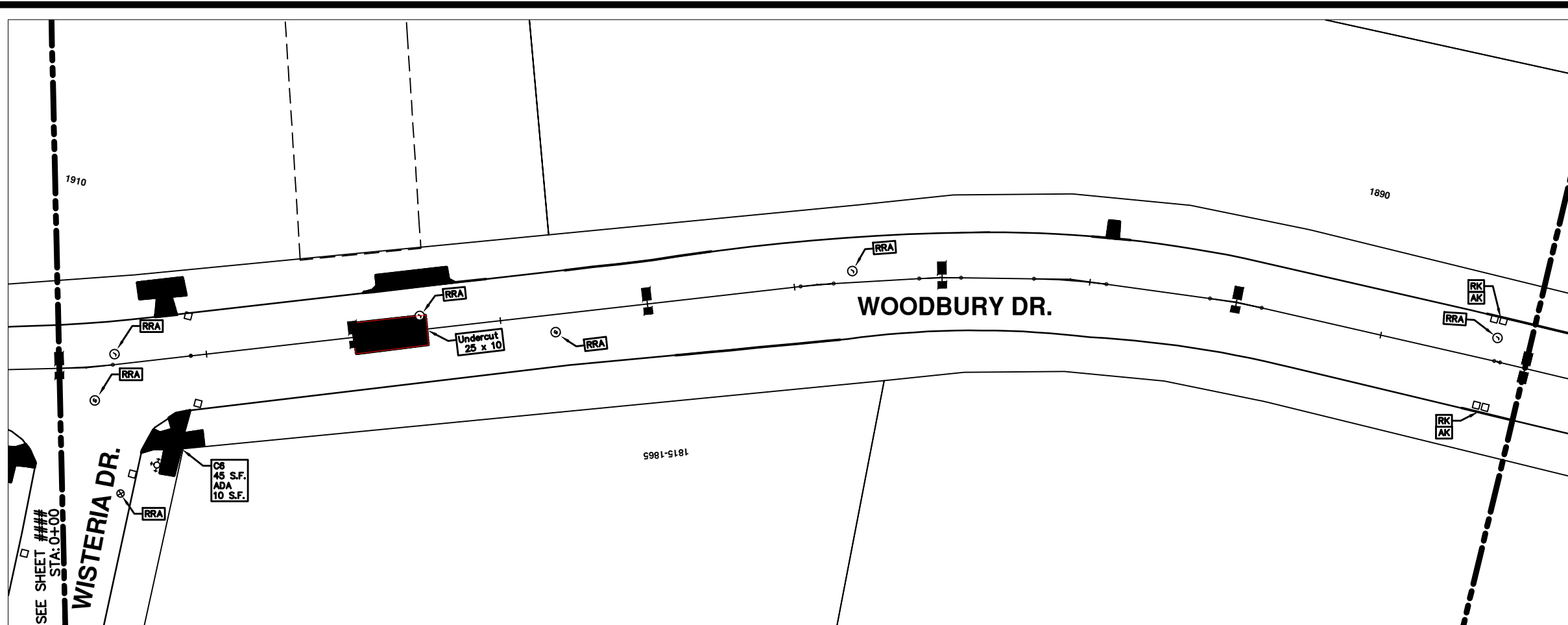
NO	REV.	OUT FOR BID	DESCRIPTION	DATE	DATE	BY	CHECKED



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WOODBURY  
 2014004-LAY-WOODBURY - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-81

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Woodbury\2014004Lay-Woodbury.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WOODBURY DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊕	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERTECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
—	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE, MAKE YOUR EDIT AND SAVE.



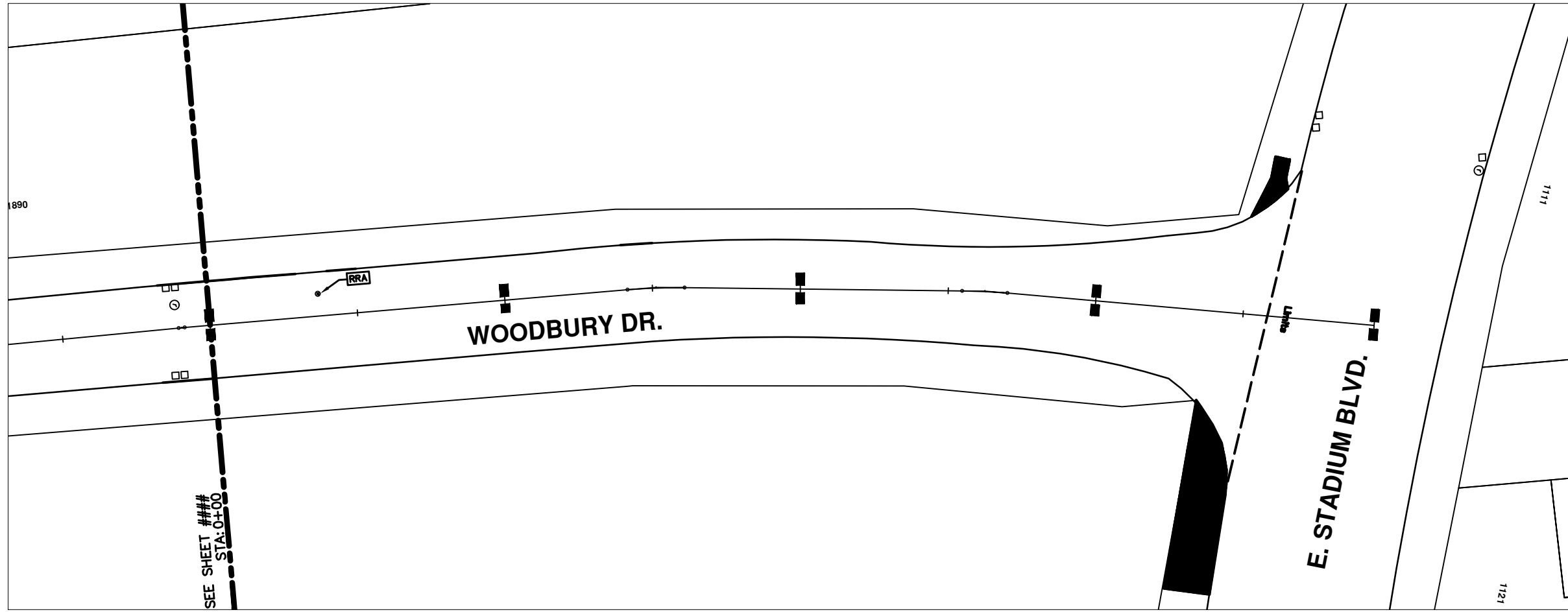
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WOODBURY  
 2014004-LAY-WOODBURY - PLAN VIEW (02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-02

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Woodbury\2014004Lay-Woodbury.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WOODBURY DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERTECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF. MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

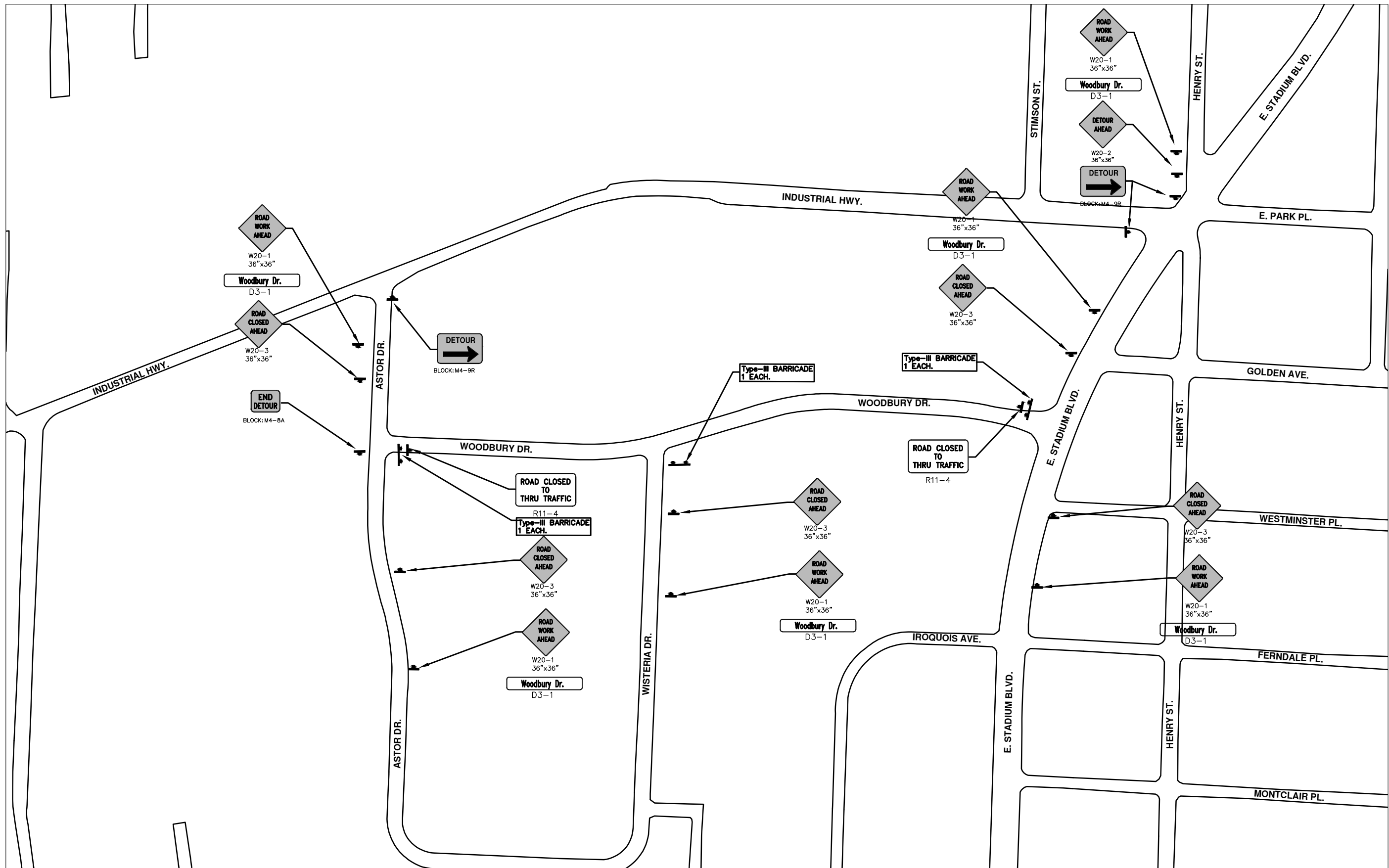


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WOODBURY  
 2014004-LAY-WOODBURY - PLAN VIEW (03)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-83



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Woodbury\2014004Lay-Woodbury MTRF.dwg Dwg Created: 28-Jan-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



# WOODBURY DR.



REV.	DATE	BY	DESCRIPTION
00			OUT FOR BID
			DRAWN
			CHECKED



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 WOODBURY  
 2014004LAY-WOODBURY MTRF - MTRF 1

SCALE PLAN: 1" = 100'  
 DRAWING No. 2014004-84  
 SHEET No.



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 RESURFACING PROJECT PROGRAM PROJECT LOCATION: PRARIE STREET

FILE No. 2014004

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Mill Pavement	Tons	1370
209	Subgrade Undercutting	C.Y.	920
222	Bit Pvmnt. Leveling, Regular	Tons	830
223	Bit Pvmnt. Wearing, Regular	Tons	550
230	Remove Curb & Gutter	L.F.	1620
232	Remove Conc. S/Walk & Drive	S.F.	305
237	Conc. Curb & Gutter	L.F.	1670
240	4" Sidewalk Or Ramp	S.F.	100
241	6" Sidewalk & Drives	S.F.	205
245	Detectable Warning, Cast in Place	S.F.	40
250	2' Dia. Structure	Each	9
254	Lower Structures	Each	11
255	Lwr. Mon. + GV. Box	Each	1
256	Adj. Structure Covers	Each	11
257	Adj. Curb Inlet Structure Cover	Each	11
258	Adj. Mon. & GV. Box	Each	1
260	Inlet Structure Cover (MDOT K)	Each	2
264	12" Storm Sewer	L.F.	30
271	21AA Limestone, C.I.P.	C.Y.	920
281	Arrow Panel, Furn. & Operate	Each	1
282	Plastic Drum - Furn. & Operate	Each	110
283	Type 3 Barr.	Each	6
284	Temp Signs Type B	S.F.	320
285	No Parking Signs	Each	38
595	4" Yellow Thermo.	L.F.	900
596	6" Rescd Poly Pvmnt. Mkg., 6" White Or Yellow	L.F.	500
597	24" White Thermo.	L.F.	69
598	Pvmnt. Marking Symbol	Each	4

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
6	W20-1	"ROAD WORK AHEAD"
6	W20-3	"ROAD CLOSED AHEAD"
1	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
12	D3-1	CONVENTIONAL GUIDE
3	TYPE III	TYPE III LIGHTED BARRICADE
105	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
4	R11-2	"ROAD CLOSED"
5	R11-4	"ROAD CLOSED TO THRU TRAFFIC"
1		LIGHTED ARROW PANEL

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 5-1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER.
7. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
8. PAVE 2-1/2 INCHES OF THE BITUMINOUS MIX SPECIFIED OR DIRECTED, AS THE BASE COURSE, IN ONE LIFT.
9. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS AS PER PLAN OR AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org



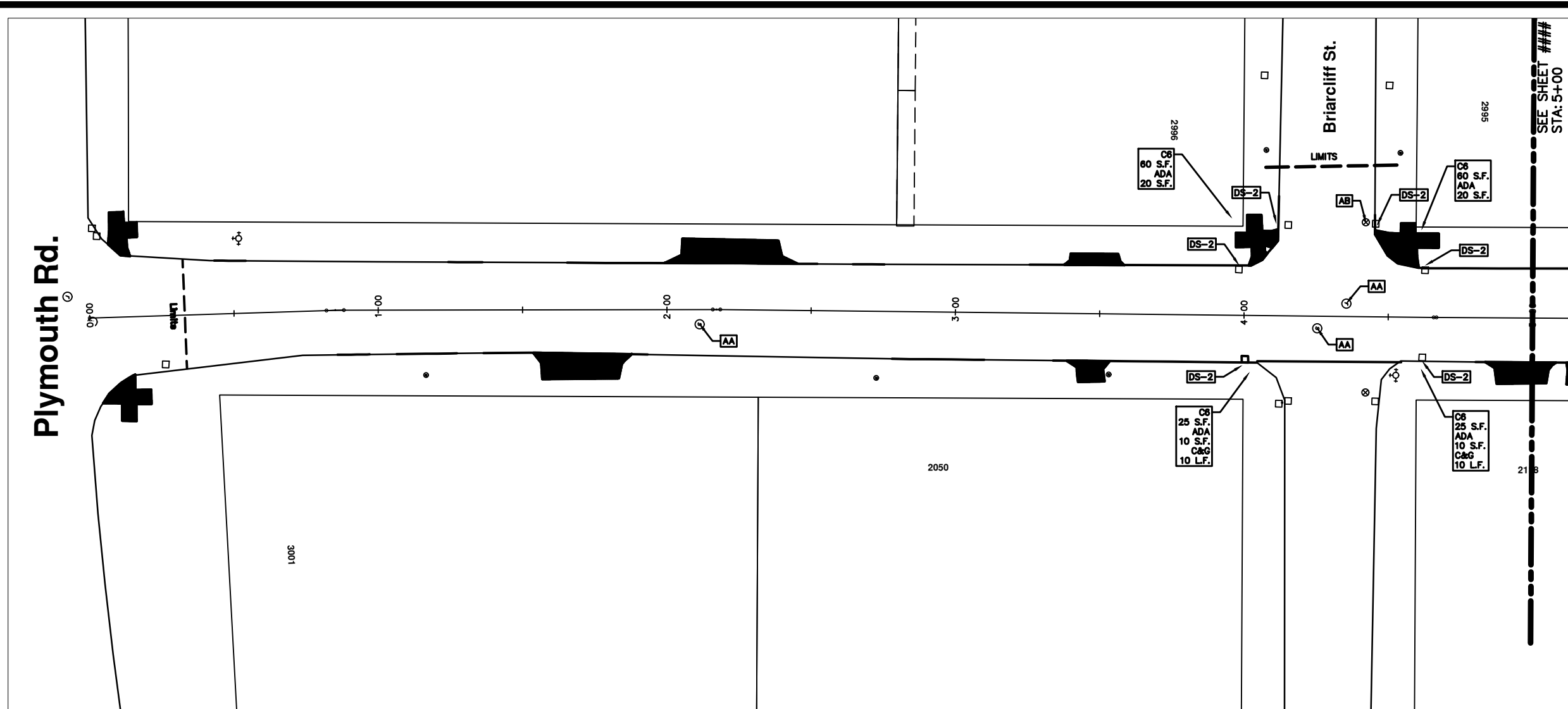
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 RESURFACING  
PRAIRIE STREET

DRAWING No.  
2014004 - 85

SHEET No.  
85 TO 102

\\FILES\PSA\pub\Project Management\Design\2014004 Resurfacing\Plan Production\Prairie Street\2014004Lay-Prairie Street\_recover.dwg Dwg Created: 5-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## PRAIRIE ST

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP,H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRR	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4" DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
CB	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

REFER TO TABLE 1 IN THE REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL QUEST. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE, MAKE YOUR EDIT AND SAVE.

**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**

2014 ANNUAL RESURFACING

PRAIRIE STREET 2014004LAY-PRAIRIE STREET\_RECOVER - PLAN

SCALE PLAN: 1" = 20'

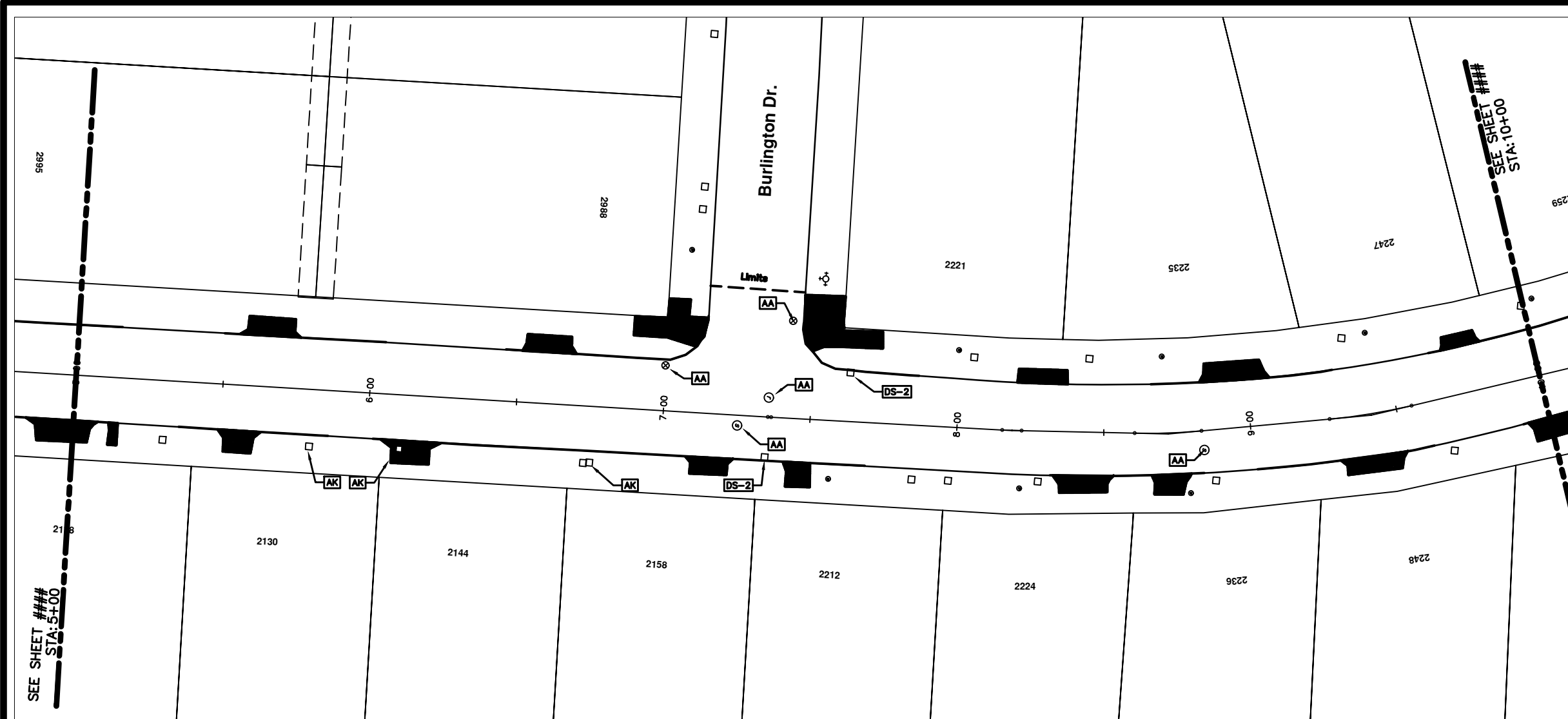
DRAWING No. 2014004-86

SHEET No.

811  
Know What's Below.  
Call before you dig.

REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Prairie Street\2014004Lay-Prairie Street\recover.dwg Dwg Created: 5-Feb-14 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## PRAIRIE ST

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
▨	REMOVE CONCRETE SIDEWALK
▨	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN FILE, MAKE YOUR EDIT AND SAVE.



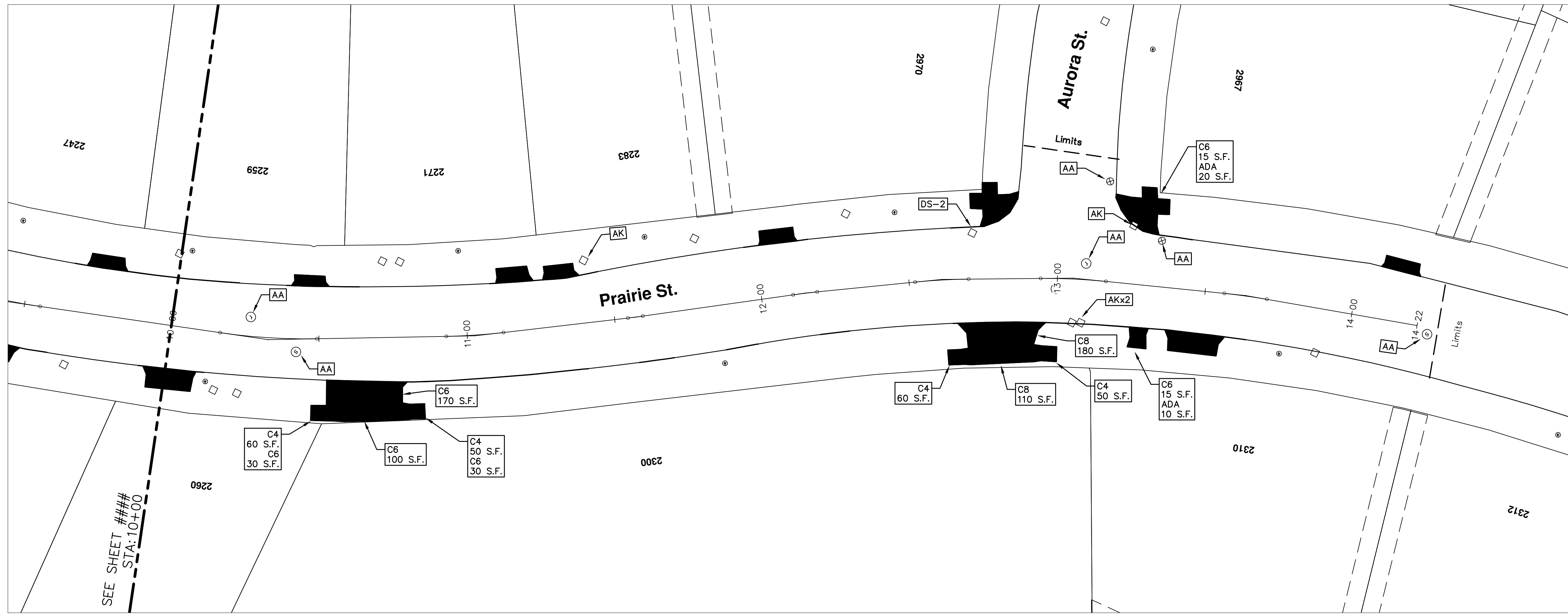
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



2014 ANNUAL RESURFACING  
 PRAIRIE STREET 2014004LAY-PRAIRIE STREET\_RECOVER - PLAN  
 PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-87

\\FILES\PSAPub\$\Project Management\Design\2014004\Resurfacing\Plan Production\Prairie Street\2014004Lay-Prairie Street\recover.dwg Dwg Created: 5-Feb-14 -- \_a2 standard bw.stb -- Plot Date: 11-Feb-14



# PRAIRIE ST

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊙	MICHCON GAS CO. VALVE BOX/WELL
⊙	AMERITECH TELEPHONE VAULT
⊙	ELECTRIC MANHOLE
⊙	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.

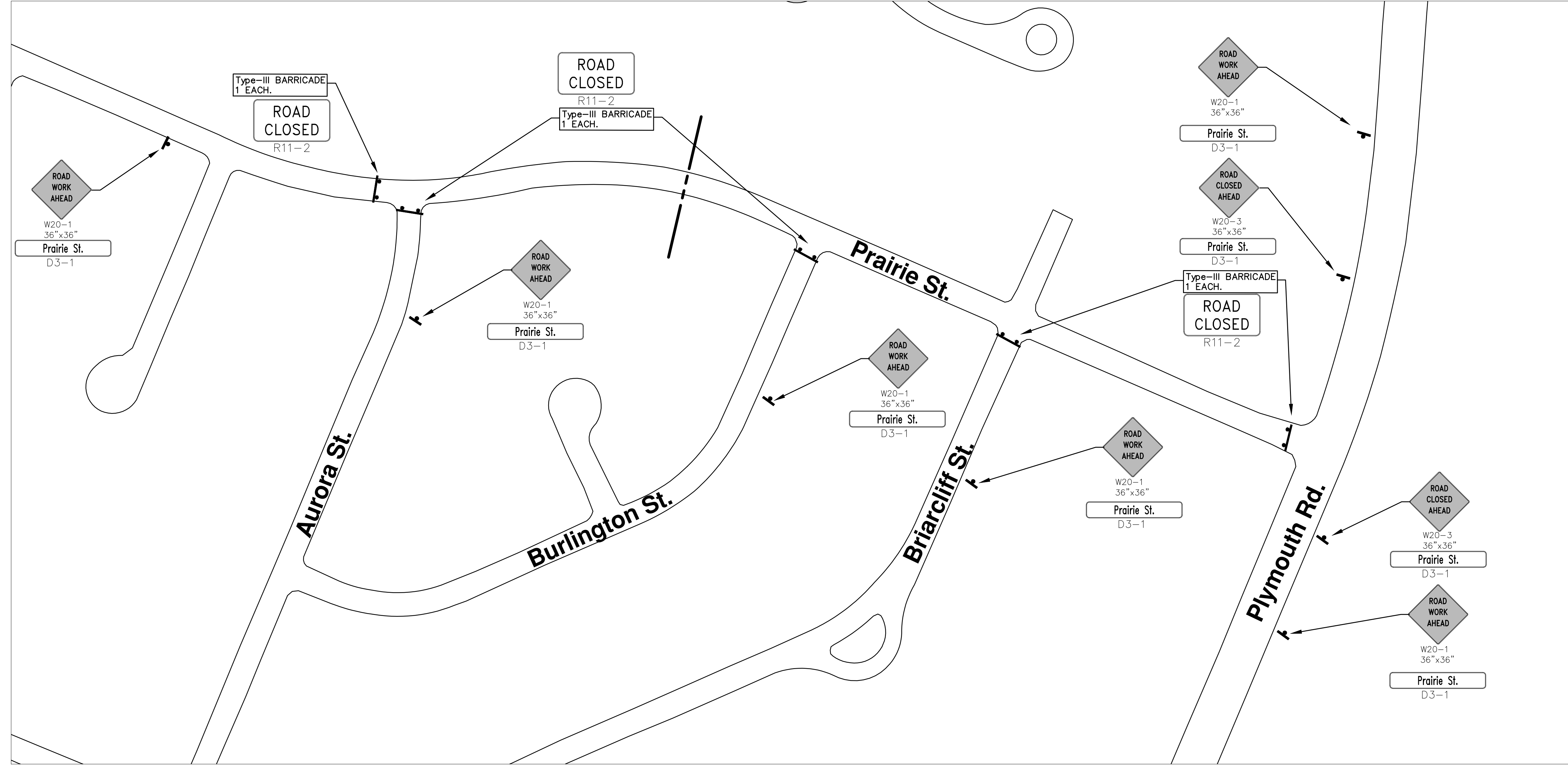


REV.	DESCRIPTION	DATE	BY	CHECKED
00	OUT FOR BID			

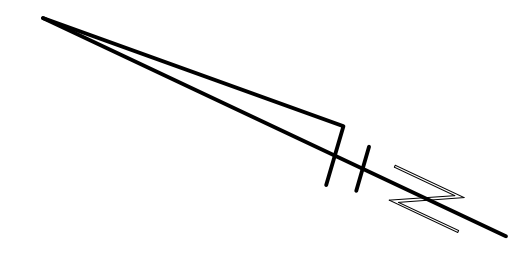


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 PRAIRIE STREET 2014004LAY-PRAIRIE STREET\_1\_RECOVER - PLAN VIEW 031  
 SCALE PLAN: 1" = 20'  
 DRAWING No. 2014004-88

\\FILES\PSAPub\$\Project Management\Design\2014004 Resurfacing\Plan Production\Prairie Street\2014004MTRF-Prairie Street.dwg Dwg Created: 2-Aug-13 - \_a2\_standard bw.stb - Plot Date: 11-Feb-14



# PRAIRIE ST



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 PRAIRIE STREET

SCALE PLAN: Custom

DRAWING No. **2014004-89**

SHEET No. **89 OF 102**

**811**  
 Know what's below.  
 Call Before you dig.

CITY OF ANN ARBOR  
 MICHIGAN

2014004MTRF-PRAIRIE STREET - PLAN VIEW (01)

REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM PROJECT LOCATION: BURLINGTON COURT

FILE No. 2014004



S:\Project Management\Design\2014004\_Resurfacing\Plan Production\Burlington\2014004.dwg - Burlington.dwg Dwg Created: 18-Dec-13 - \_d2\_standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
207	Cold Milling Pavement	Tons	320
209	Subgrade Undercutting - Type II	C.Y.	120
222	HMA Pavement Leveling, Regular	Tons	200
223	HMA Pavement Wearing, Regular	Tons	130
230	Rem. Curb & Gutter, Any Type	L.F.	220
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	220
250	2' Dia. Structure	Each	1
254	Lower Structure Cover	Each	2
256	Adjust Structure Cover	Each	2
257	Adjust Curb Inlet Structure Cover	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	10
271	21AA Limestone - C.I.P.	C.Y.	120
282	Plastic Drum - Lighted - Furn. & Operate	Each	30
283	Barricade Type III - Furn. & Operate	Each	1
284	Temp Signs Type - B	S.F.	40
285	No Parking Sign	Each	8
596	Rescd. Poly Pvmt. Mkg., 6" White or Yellow	L.F.	66

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
2	D3-1	CONVENTIONAL GUIDE
1	TYPE III	TYPE III LIGHTED BARRICADE
30	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, "NO PARKING" SIGNS AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY DOWN TO ROAD BASE. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, UNDERCUT AND RE-COMPACT THE ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 3 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

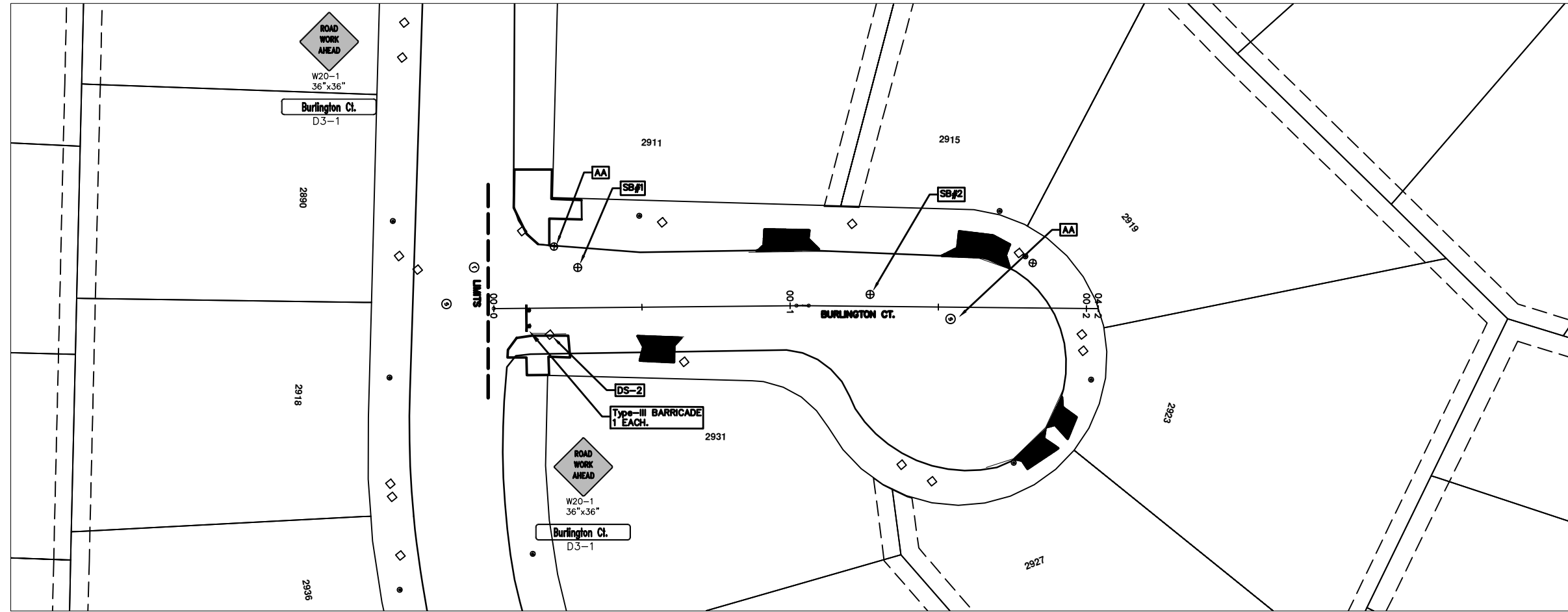
CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
BURLINGTON CT

DRAWING No.  
2014004 - 90

S:\Project Management\Design\2014004-Resurfacing\Plan Production\Burlington\2014004-ay-Burlington.dwg Dwg Created: 18-Dec-13 - \_d2\_standard bw.stb - Plot Date: 11-Feb-14



## BURLINGTON CT.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP.H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP,OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERTECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 BURLINGTON  
 PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-91





# CITY OF ANN ARBOR PROJECT MANAGEMENT 2014 ANNUAL RESURFACING PROGRAM

## PROJECT LOCATION: WALDENWOOD DRIVE & COURTS

FILE No. 2014004



\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004.dwg - a2 standard bw.stb - Plot Date: 11-Feb-14

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	90
207	Cold Mill Pavement	Tons	2200
209	Subgrade Undercutting	C.Y.	1900
220	HMA Patching	Tons	20
222	HMA Pavement, Leveling, Regular	Tons	1220
223	HMA Pavement Wearing, Regular	Tons	910
230	Rem. Curb & Gutter, Any Type	L.F.	2750
232	Rem. Conc. SideWalk & Drive - Any Thickness	S.F.	4450
237	Conc. Curb & Gutter - Any type - Fixed Form	L.F.	2750
240	4" Sidewalk Or Ramp	S.F.	6355
241	6" Drive, Sidewalk & Ramp	S.F.	1210
245	Detectable Warning, Cast in Place	S.F.	340
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	200
250	2' Dia. Structure	Each	13
251	Double Inlet Structure	Each	3
252	Reconstruct Structure	Each	1
254	Lower Structure Cover	Each	38
255	Lower Mon./Gate Valve Box	Each	4
256	Adjust Structure Cover	Each	38
257	Adjust Curb Inlet Structure Cover	Each	28
258	Adjust Mon. & Gate Valve Box	Each	4
259	Manhole Flange & Cover (MDOT Type A)	Each	32
261	Point Structure	Each	5
264	12" Sewer, Trench Detail I, Modified	L.F.	78
268	Flowable Fill	C.Y.	45
271	21AA Limestone - C.I.P.	C.Y.	1900
281	Arrow Panel, Furnish & Operate	Each	1
282	Plastic Drum - Furnish & Operate	Each	140
283	Barricade Type III - Furn. & Operate	Each	7
284	Temp Signs - Type B	S.F.	440
285	No Parking Sign	Each	80
596	Rec. Polyurea Pvmt. Mkg., 6" White or Yellow	L.F.	965
597	Rec. Polyurea Pvmt. Mkg., 24" White or Yellow	L.F.	75

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
10	W20-1	"ROAD WORK AHEAD"
10	W20-3	"ROAD CLOSED AHEAD"
20	D3-1	CONVENTIONAL GUIDE
9	TYPE III	TYPE III LIGHTED BARRICADE
140	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)

### CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER. THERE ARE 14 METER BAGS TO BE COVERED.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3-1/2 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1-1/2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

### NOTES:

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND ITS DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES STANDARD SPECIFICATIONS AND DETAILS.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



### PROJECT MANAGEMENT SERVICE UNIT

CITY OF ANN ARBOR PUBLIC SERVICE  
301 EAST HURON STREET, P.O. BOX 8647  
ANN ARBOR, MICHIGAN 48107-8647  
734-794-6410 www.a2gov.org

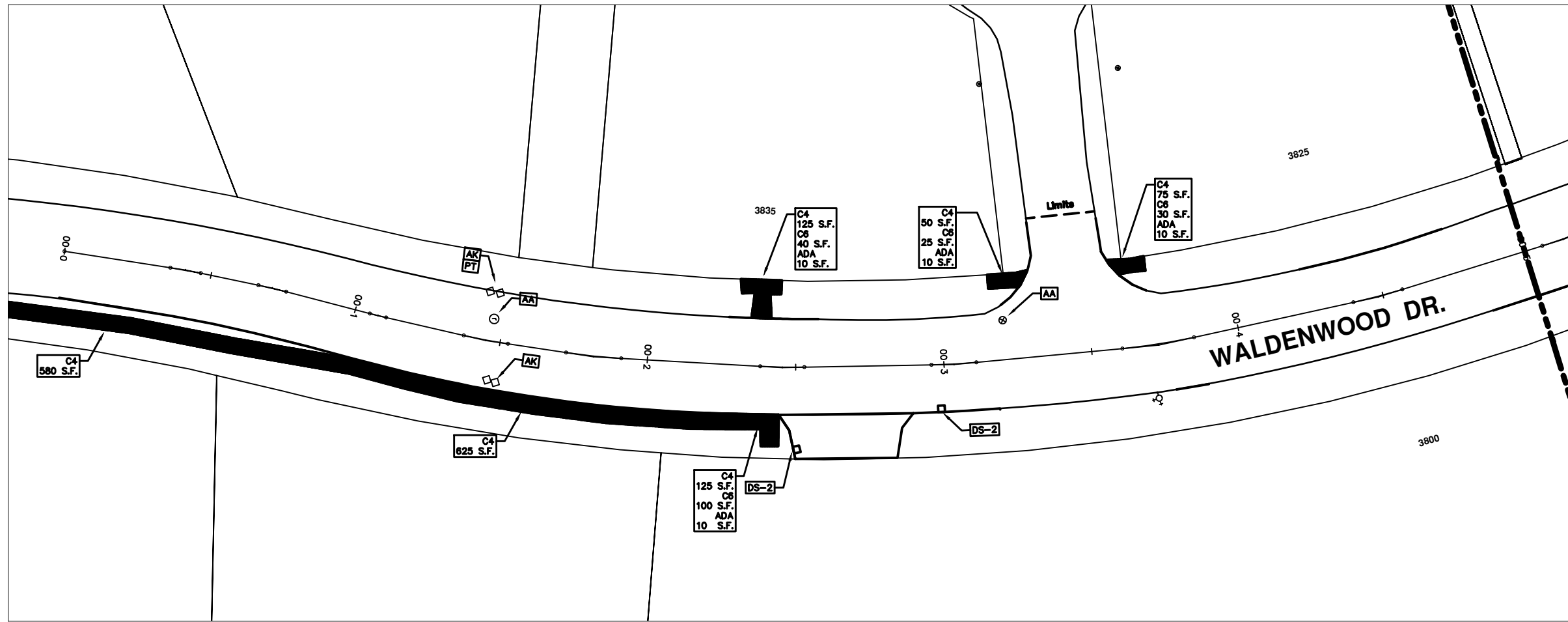
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 ANNUAL RESURFACING  
WALDENWOOD DR. & COURTS

DRAWING No.  
2014004 - 92

SHEET No.  
92 TO 102

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊙	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
■	REMOVE & REPLACE CONC. CURB & GUTTER
---	CONSTRUCTION LIMITS
---	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
---	SUBGRADE UNDERCUT

WHEN TABLE IS A REFERENCE FILE, MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

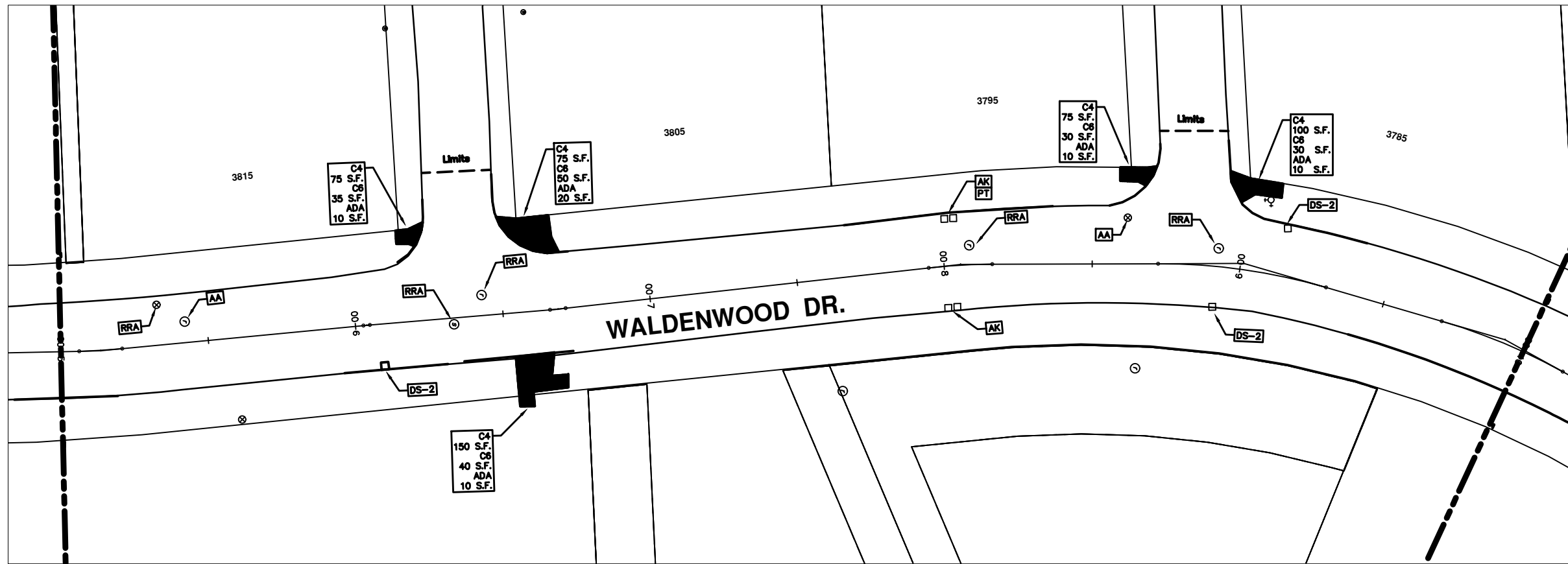


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - PLAN VIEW (01)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-93

SHEET No.  
 93 OF 102

\\FILES\PSA\Pub\$Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*\*\*\*\* THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



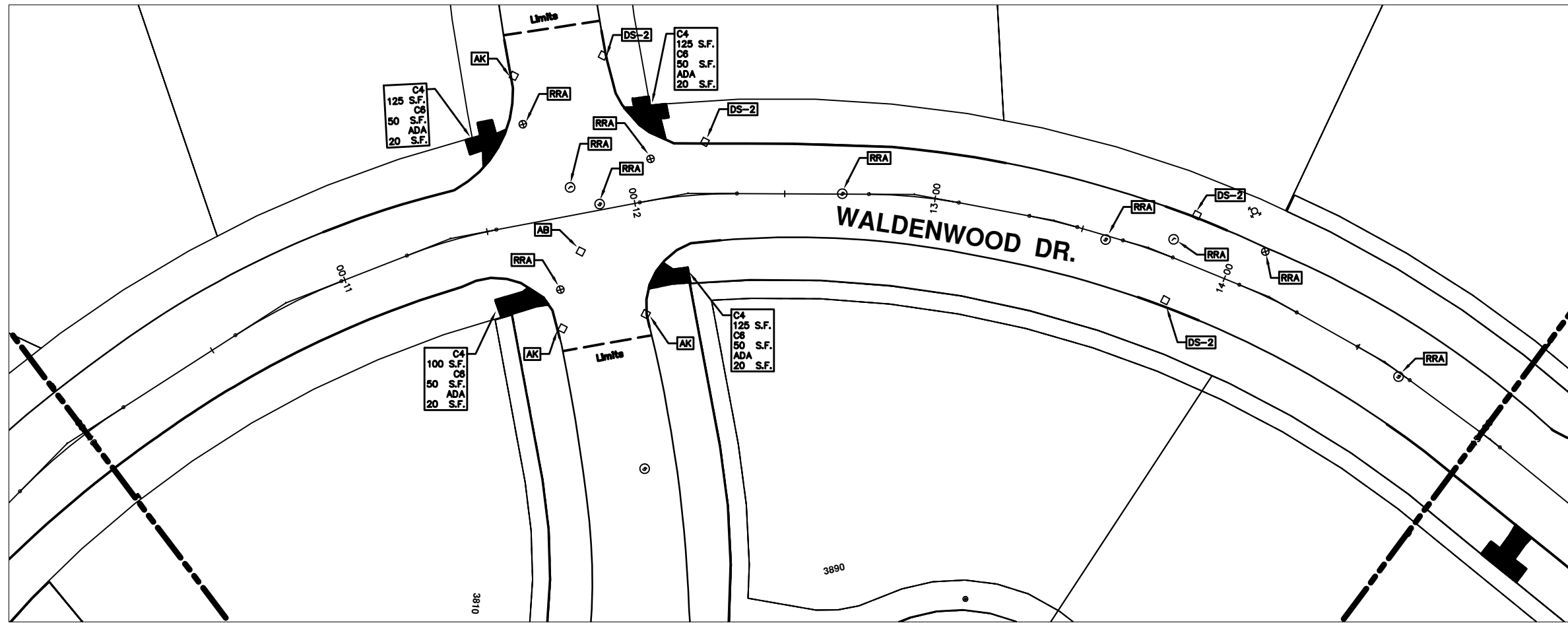
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - PLAN VIEW (02)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-94

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
■	REMOVE & REPLACE CONC. CURB & GUTTER
---	CONSTRUCTION LIMITS
---	6" WRAPPED UNDERDRAIN
---	REMOVE CONCRETE SIDEWALK
---	SUBGRADE UNDERCUT

WHEN TABLE IS A REFERENCE FILE, MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.

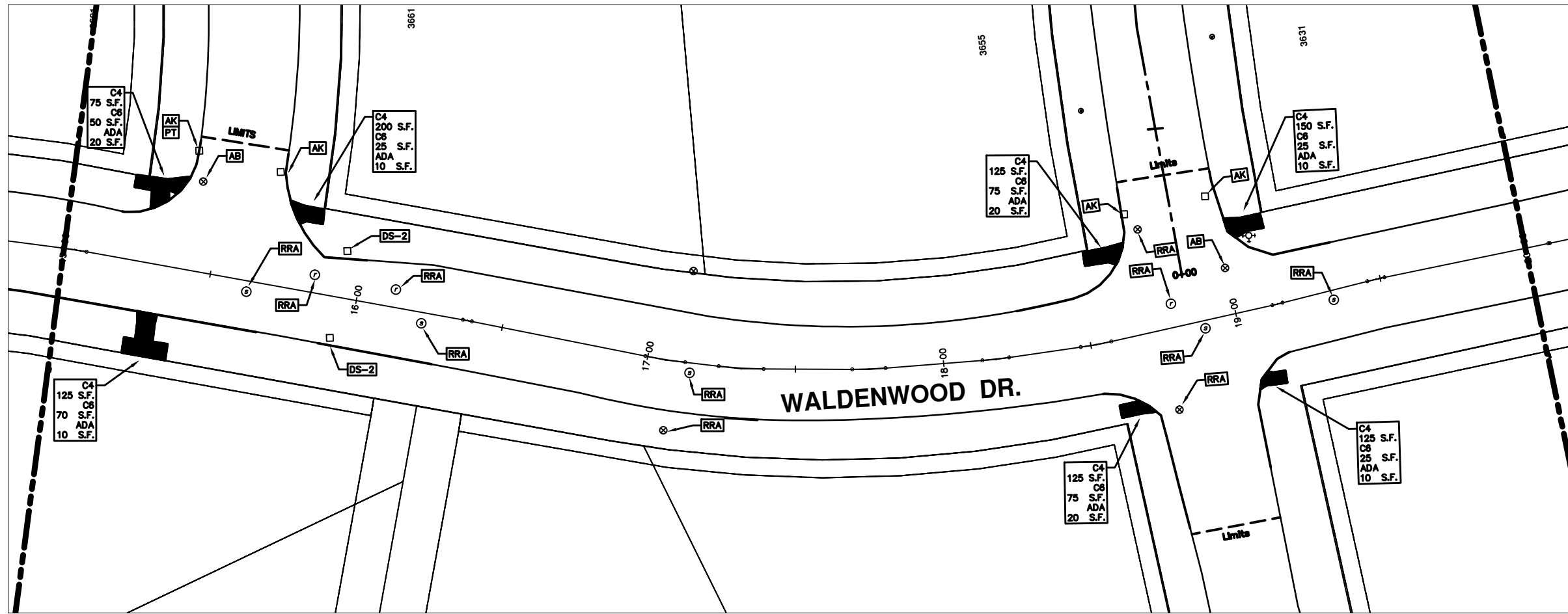


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - PLAN VIEW (03)

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
■	REMOVE & REPLACE CONC. CURB & GUTTER
---	CONSTRUCTION LIMITS
---	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
---	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.



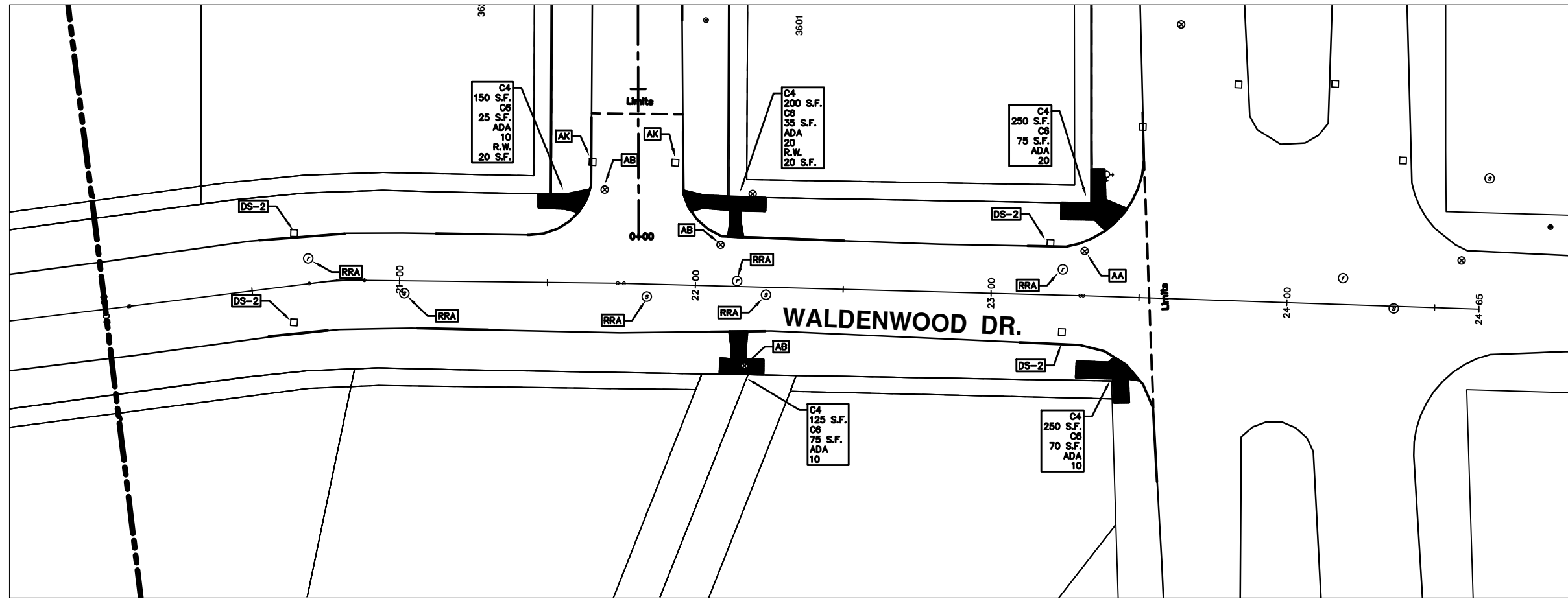
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - PLAN VIEW (04)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-96

\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR.

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
○	EXISTING SANITARY SEWER MANHOLE
⊙	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
■	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN JREF, MAKE YOUR EDIT AND SAVE.



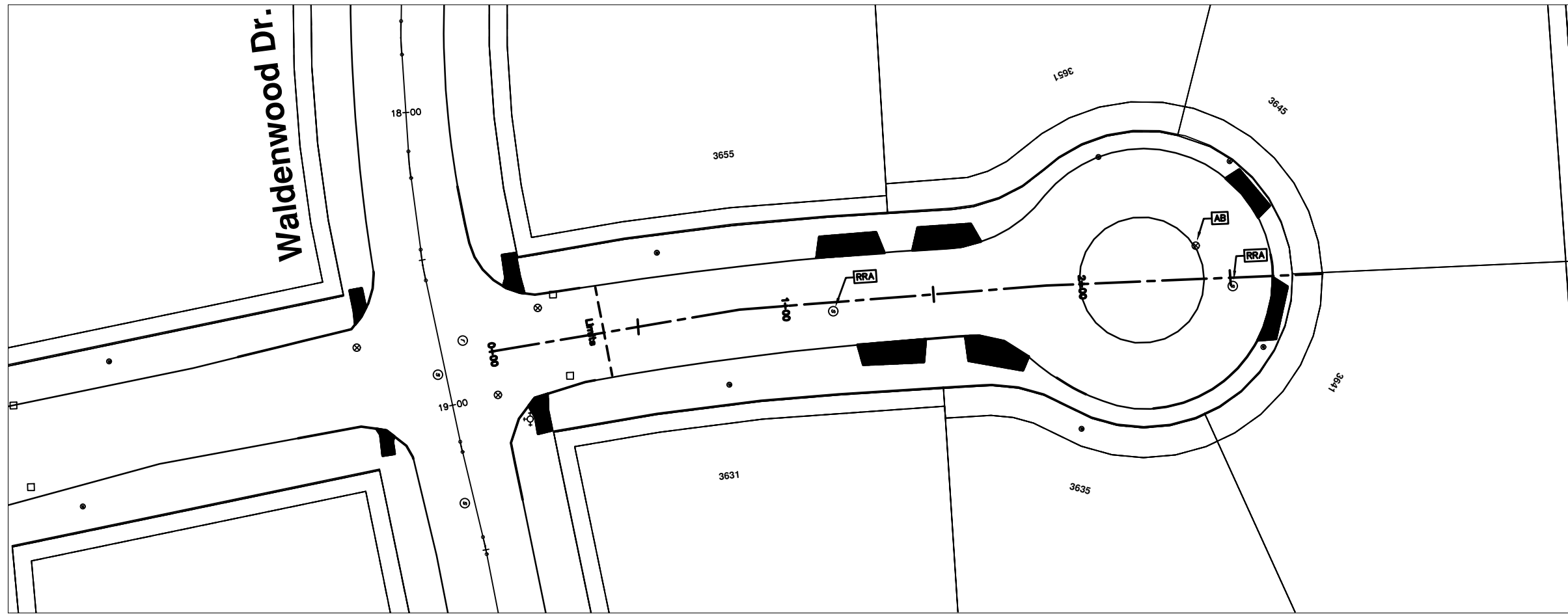
REV.	DATE	DESCRIPTION	DATE	BY	CHECKED
00		OUT FOR BID			



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - PLAN VIEW (05)

SCALE PLAN: 1" = 20'  
 DRAWING No.  
 2014004-97

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD CT. 3631-3655

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
●	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

\*THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN XREF, MAKE YOUR EDIT AND SAVE.

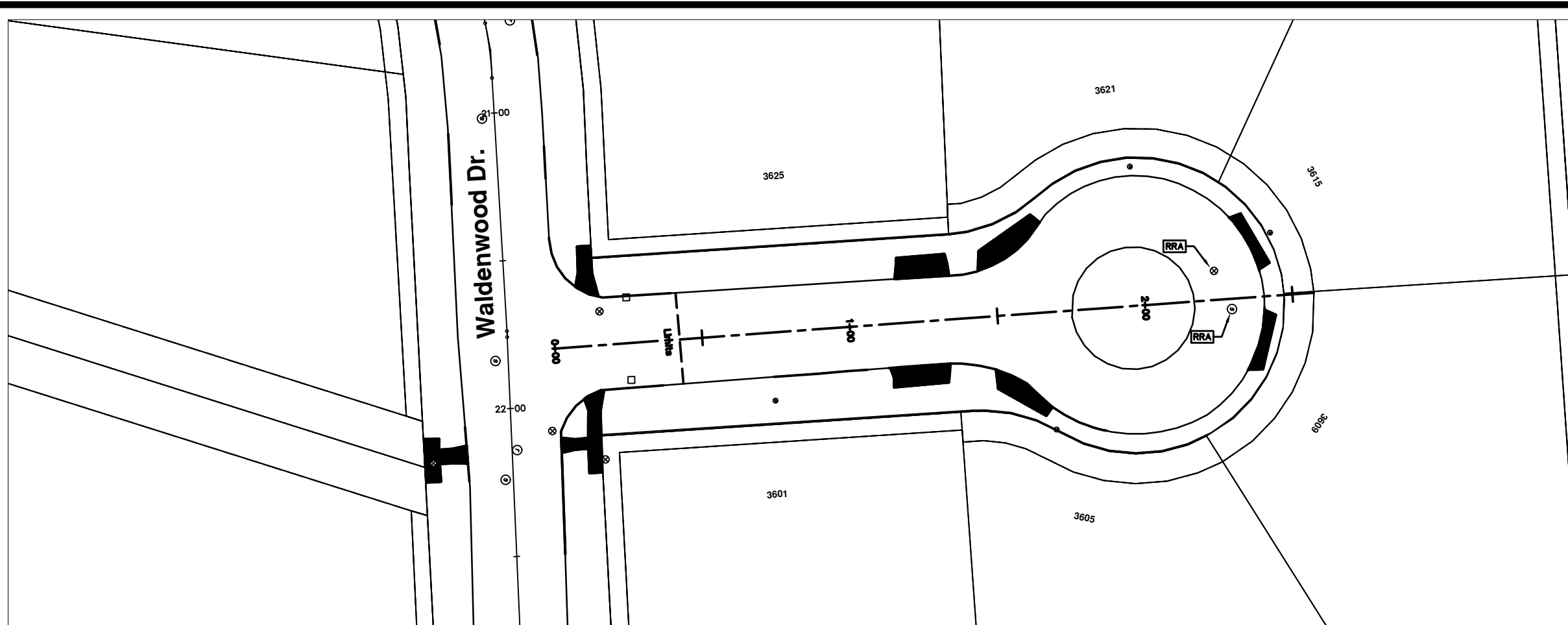


REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAY-WALDENWOOD - WALDENWOOD CT. 3655-3631

\\FILES\PSAPub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14

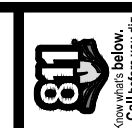


## WALDENWOOD CT. 3601-3625

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING SANITARY SEWER MANHOLE
○	EXISTING STORM SEWER MANHOLE
⊕	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕*	FIRE HYDRANT
●	MICHCON GAS CO. VALVE BOX/WELL
●	AMERITECH TELEPHONE VAULT
●	ELECTRIC MANHOLE
●	SOIL BORING
□	EXISTING STORM SEWER INLET
■	MONUMENT BOX
■	REMOVE AND REPLACE CONC. SIDEWALK
■	PLACE CONCRETE SIDEWALK
—	REMOVE & REPLACE CONC. CURB & GUTTER
—	CONSTRUCTION LIMITS
—	6" WRAPPED UNDERDRAIN
///	REMOVE CONCRETE SIDEWALK
—	SUBGRADE UNDERCUT

THIS TABLE IS A REFERENCE FILE. MAKE CHANGES TO THE REFERENCE FILE AND IT WILL UPDATE ALL SHEETS. TO MAKE A CHANGE RIGHT CLICK AND PICK OPEN WRP, MAKE YOUR EDIT AND SAVE.



REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

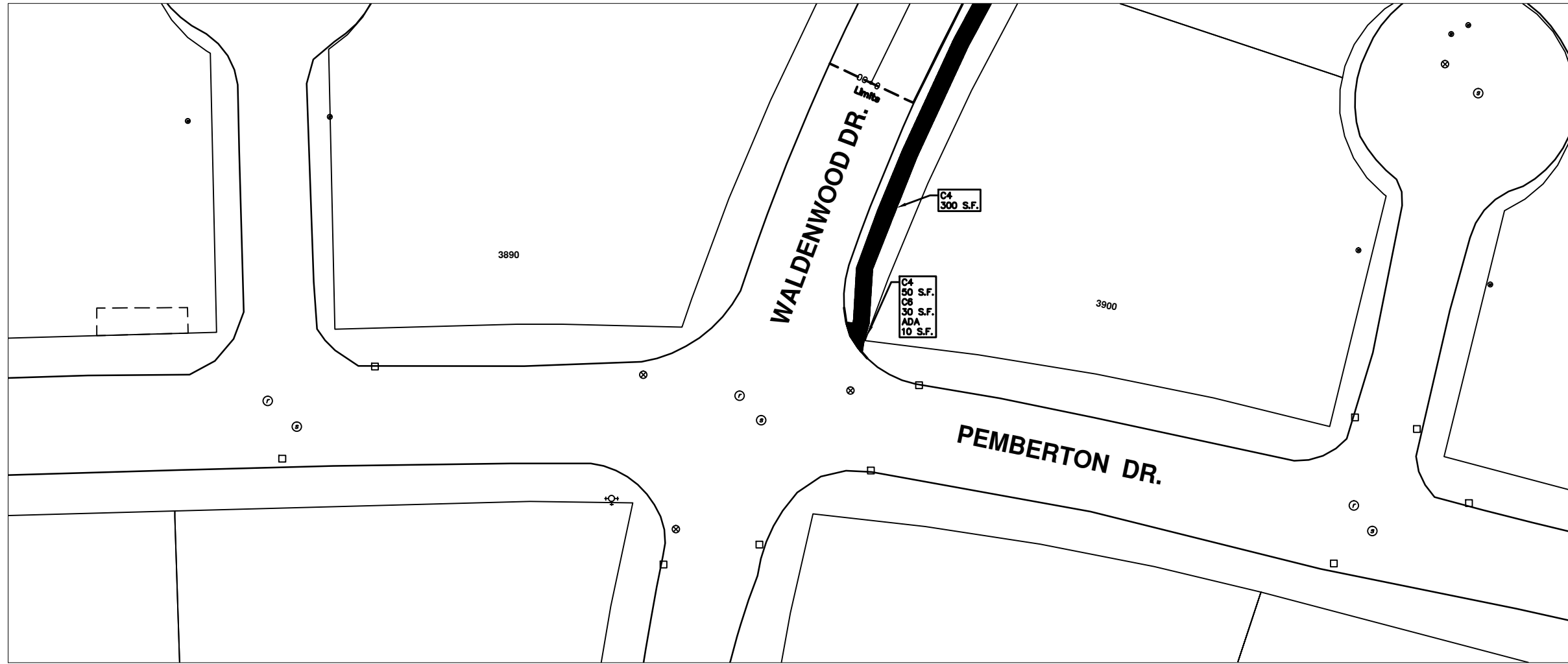


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004LAW-WALDENWOOD - WALDENWOOD CT. 3601-3625

SHEET No. 99 OF 102



\\FILES\PSA\Pub\Project Management\Design\2014004 Resurfacing\Plan Production\Waldenwood\2014004Lay-Waldenwood.dwg Dwg Created: 17-Dec-13 - \_a2 standard bw.stb - Plot Date: 11-Feb-14



## WALDENWOOD DR

CONSTRUCTION KEY	
KEY	DESCRIPTION
C/G	REMOVE AND REPLACE CURB AND GUTTER
C/GHE	REMOVE CURB AND GUTTER, REPLACE WITH CONCRETE CURB AND GUTTER H.E.
C4HE	REMOVE EXISTING RAMP OR SIDEWALK. REPLACE WITH 4" SIDEWALK OR TYPE 1 SIDEWALK RAMP, H.E.
CR	REMOVE SIDEWALK, DRIVE OR RAMP.
AA	ADJUST MDOT TYPE A CASTINGS.
AB	ADJUST GATE VALVE BOX OR MONUMENT BOX.
ADST	ADDITIONAL DEPTH STRUCTURE REPAIR.
RRA	REMOVE AND REPLACE MDOT TYPE A CASTING ADJUST TO FINISH GRADE.
CPRHE	CONCRETE PAVEMENT REPAIR, H.E.
DS	CONSTRUCT 2, 3 OR 4' DIAM. DRAINAGE STRUCTURE.
PT	POINT STRUCTURE.
C4	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 4" SIDEWALK OR RAMP.
C6	REMOVE EXISTING RAMP OR SIDEWALK, REPLACE WITH 6" SIDEWALK OR RAMP.
C8	PLACE 8" SIDEWALK OR RAMP ONLY
C HE	REMOVE EXISTING DRIVE APPROACH, RAMP OR SIDEWALK. REPLACE WITH 6" OR 8" APPROACH, RAMP, OR SIDEWALK, H.E.
CP	PLACE 4" SIDEWALK OR RAMP.
AK	ADJUST MDOT TYPE K CASTING.
TYPE II	MDOT TYPE II BARRICADE.
TYPE III	MDOT TYPE III BARRICADE.
RRK	REMOVE AND REPLACE MDOT TYPE K CASTING. ADJUST TO FINISH GRADE.
RS	RECONSTRUCT STRUCTURE.
RCP	REMOVE CONC. PAVEMENT - ANY THICKNESS
RCW	RAISED CROSSWALK

LEGEND	
SYMBOL	DESCRIPTION
⊙	EXISTING SANITARY SEWER MANHOLE
⊖	EXISTING STORM SEWER MANHOLE
⊗	EXISTING WATER MAIN VALVE IN WELL
+	WATER MAIN GATE VALVE IN BOX
⊕	FIRE HYDRANT
⊗	MICHCON GAS CO. VALVE BOX/WELL
⊖	AMERITECH TELEPHONE VAULT
⊖	ELECTRIC MANHOLE
⊕	SOIL BORING
□	EXISTING STORM SEWER INLET
⊖	MONUMENT BOX
▬	REMOVE AND REPLACE CONC. SIDEWALK
▬	PLACE CONCRETE SIDEWALK
▬	REMOVE & REPLACE CONC. CURB & GUTTER
▬	CONSTRUCTION LIMITS
▬	6" WRAPPED UNDERDRAIN
▬	REMOVE CONCRETE SIDEWALK
▬	SUBGRADE UNDERCUT



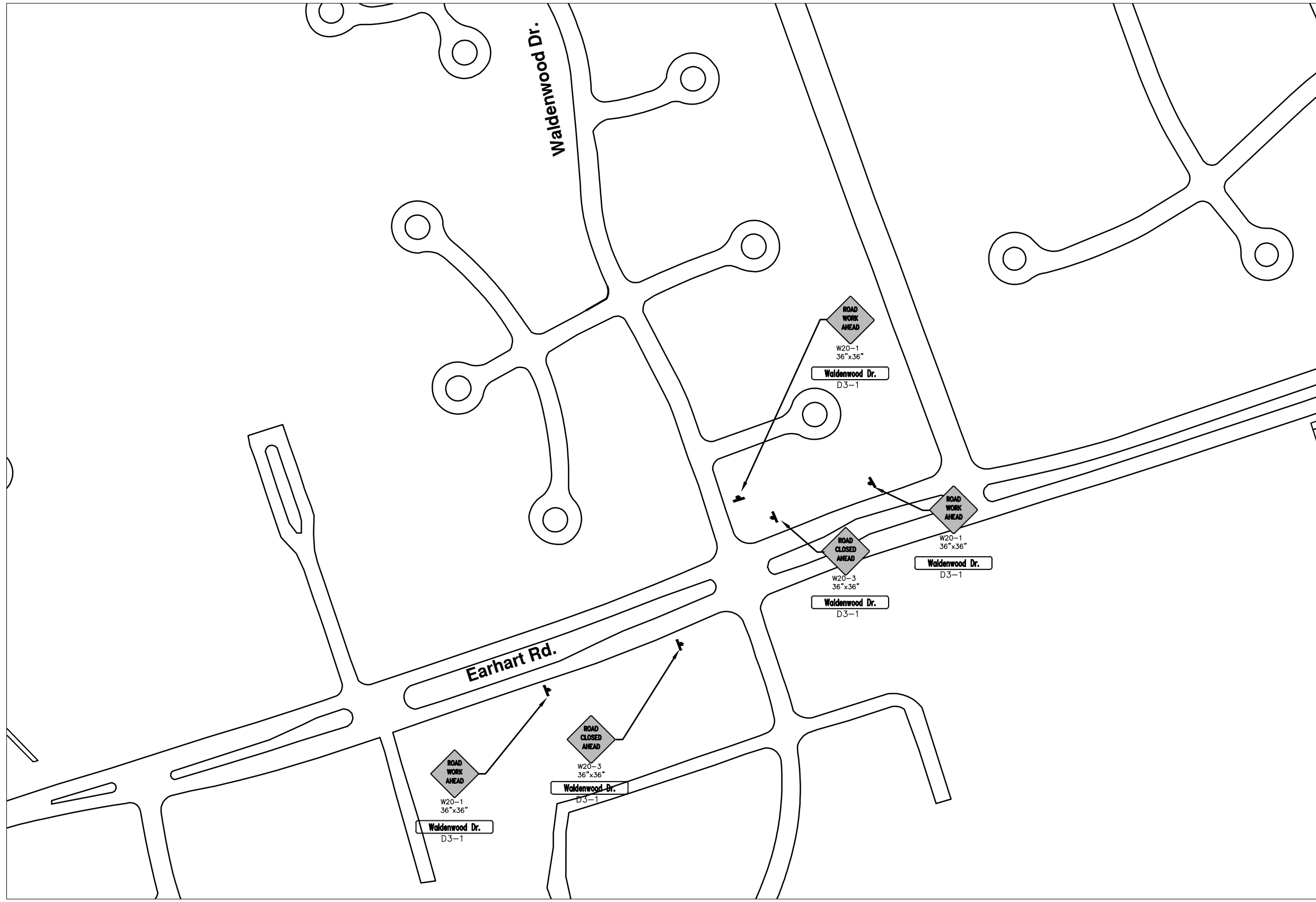
REV.	DATE	DESCRIPTION	BY	CHECKED
00		OUT FOR BID		

CITY OF ANN ARBOR  
PUBLIC SERVICE DEPARTMENT  
301 TOWN SQUARE  
ANN ARBOR, MI 48107-8647  
www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
2014 ANNUAL RESURFACING PROGRAM  
WALDENWOOD  
2014004LAY-WALDENWOOD - SIDEWALK PLAN VIEW

SCALE PLAN: 1" = 20'  
DRAWING No.  
2014004-100



## WALDENWOOD DR

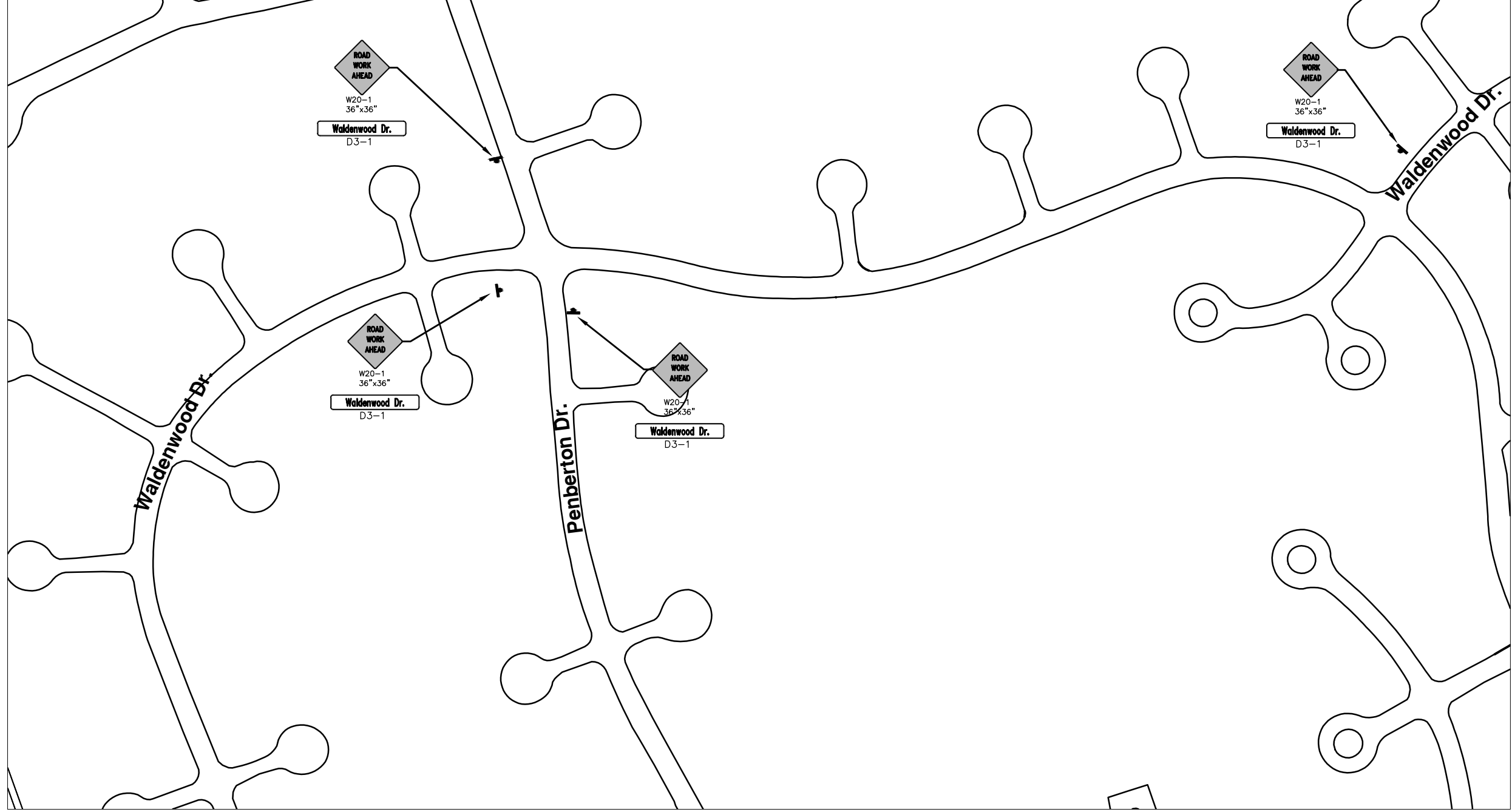


REV.	DATE	DESCRIPTION	BY	CHECKED



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 2014 ANNUAL RESURFACING PROGRAM  
 WALDENWOOD  
 2014004-LAY-WALDENWOOD MTRF - MTRF (1)

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-101



**WALDENWOOD DR**



NO	REV.	DESCRIPTION	DATE	DATE	BY	CHECKED



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**2014 ANNUAL RESURFACING PROGRAM**  
 WALDENWOOD  
 2014004-LAY-WALDENWOOD MTRF - MTRF (2)

SCALE PLAN: Custom  
 DRAWING No.  
 2014004-102