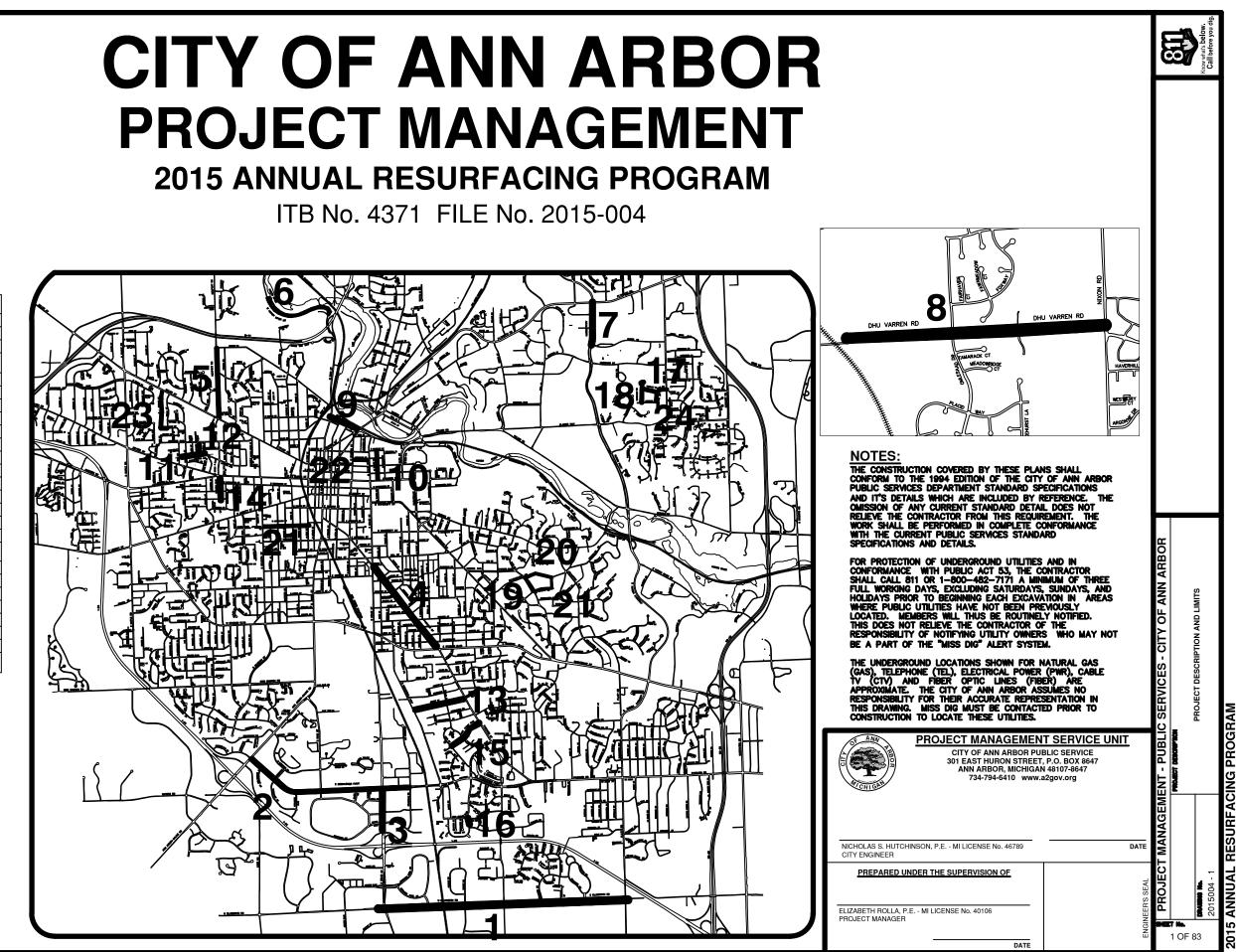


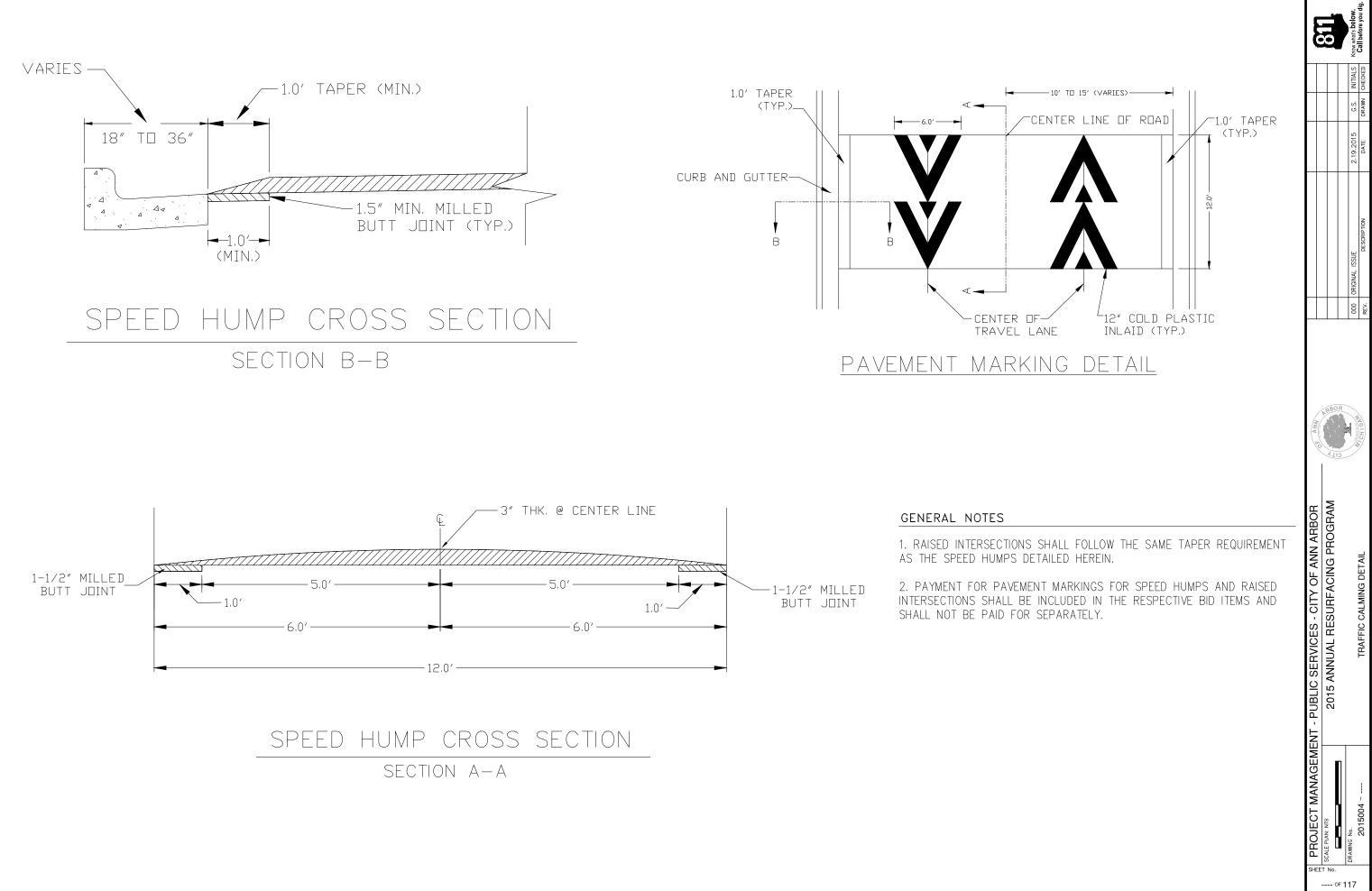
PROJECT MANAGEMENT



SHEET NO.	TITLE	MAP NO. (THIS SHEET)
1	COVER SHEET	
2	TRAFFIC CALMING DETAILS	*
3-10	E. Ellsworth Rd (State St to Platt) .	1
11-15	E. Eisenhower Pkwy and Bike Paths (AA-Saline to Boardwalk).	2
16-17	State St (Eisenhower to I-94)	3
18-22	Packard St. (State St to Stadium Blvd)	4
23-26	Newport Rd. (Miller to Sunset)	5
27-33	W. Huron River Dr. (City limits to Bird)	6
34-36	Huron Pkwy (Plymouth to Hubbard)	7
37-39	Dhu Varren Rd. (RXR to Nixon)	8
40-42	Depot St. (Main to Carey)	9
43-46	N. Thayer St. (Huron to Kingsley)	10
47-49	Linwood Ave. (Doty to Wildwood)	11
50-51	Brierwood St. (Arborview to Linwood).	12
52-55	Jewett Ave. (S.Industrial to Packard)	13
56-59	S. Revena Blvd (Huron to End)	14
60-62	Pine Valley Blvd. (Packard to Esch)	15
63-66	Tacoma Circle (King George to Birch Hollow	16
67-68	Vintage Valley Rd. (Green to End)	17
69-70	Burgundy Rd. (Andover to End)	18
71-72	Londonderry (Belmont to Devonshire)	19
73-74	Devonshire (Belmont to Londonderry)	20
75-76	Belmont (Londonderry to Devonshire)	21
77-79	Lawrence St. (Division to S.State)	22
80-81	Duncan St. (Miller to Alice)	23
82-83	Pepper Pike St. (Andover to Vintage Valley)	24

* See Traffic Calmina Details

ADDENDUM 1 PLANS 1 OF 83





Units

Tons

Each

Each

Each

Total

3570

690

3570

410

710

200

100

410

140

570

150

20

12

690 380

50

376

0

2

555

2

726

19647

26126

8734

1097

35

16

10

77

CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: E. ELLSWORTH ROAD**

BID No. 4371 FILE No. 2015-004

	QUANTITIES
ITEM #	DESCRIPTION
206	Remove HMA Pavement
207	Cold Miling Pavement
209	Subgrade Undercutting - Type II
220	HMA Patching
222	HMA Pavement Leveling, Regular
223	HMA Pavement Wearing, Regular
226	HMA Pavement Wearing - 5E3
227	HMA Pavement Wearing - 4E3
230	Rem. Curb & Gutter, Any Type
232	Rem. Conc. Sidewalk & Drive - Any Thickness
233	Pvmnt. Joint & Crack Repair - Detail 7
234	Pvmnt. Joint & Crack Repair - Detail 8
237	Conc. Curb & Gutter - Any Type - Fixed Form
240	4" Sidewalk or Ramp
241	6" Drive, Sidewalk or Ramp
245	Detectable Warning, Cast in Place
250	2' Dia. Structure
254	Lower Structure Cover
255	Lower Mon./Gate Valve Box
256	Adjust Structure Cover
257	Adjust Curb Inlet Structure Cover
258	Adjust Mon. or Gate Valve Box
259	Manhole Flange & Cover (MDOT Type A)
260	Inlet Structure Cover (MDOT K)
264	12" Sewer, Trench Detail I, Modified
264	Flowable Fill
200	21AA Limestone - C.I.P.
276	Remove Raised Pavement marker
2/0	Arrow Panel, Furn. & Operate
282	Plastic Drum - Lighted - Furn. & Operate
282	Barricade Type III - Furn. & Operate
284	Temp Signs Type - B
285	No Parking Sign
285	Portable Message Board, Furn.
280	Portable Message Board, Oper.
295	Tubular Markers, 36", Furn. & Operate
590	Thermo. Pvmt. Marking, Railroad Symbol
590	12" Thermo. White or Yellow
592	4" White Thermo.
594	4" Yellow Thermo.
595	4" Yellow Thermo. 6" White Thermo.
596	24" White Thermo.
597	24 white mermo. Pvmt. Marking Symbol
598	Cold Plastic Bike Symbol W/ Arrow or Sharro

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
15	W20-1	"ROAD WORK AHEAD"
14	W20-7A	"FLAGGER IMAGE"
30	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. DIRECTED BY THE ENGINEER.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 4. DIRECTED BY THE ENGINEER.
- 5. MILL 1.5 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.
- PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER
- PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN 7.
- COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER. 8.
- 9. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 10. 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 IT'S 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 NOTIFING 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.

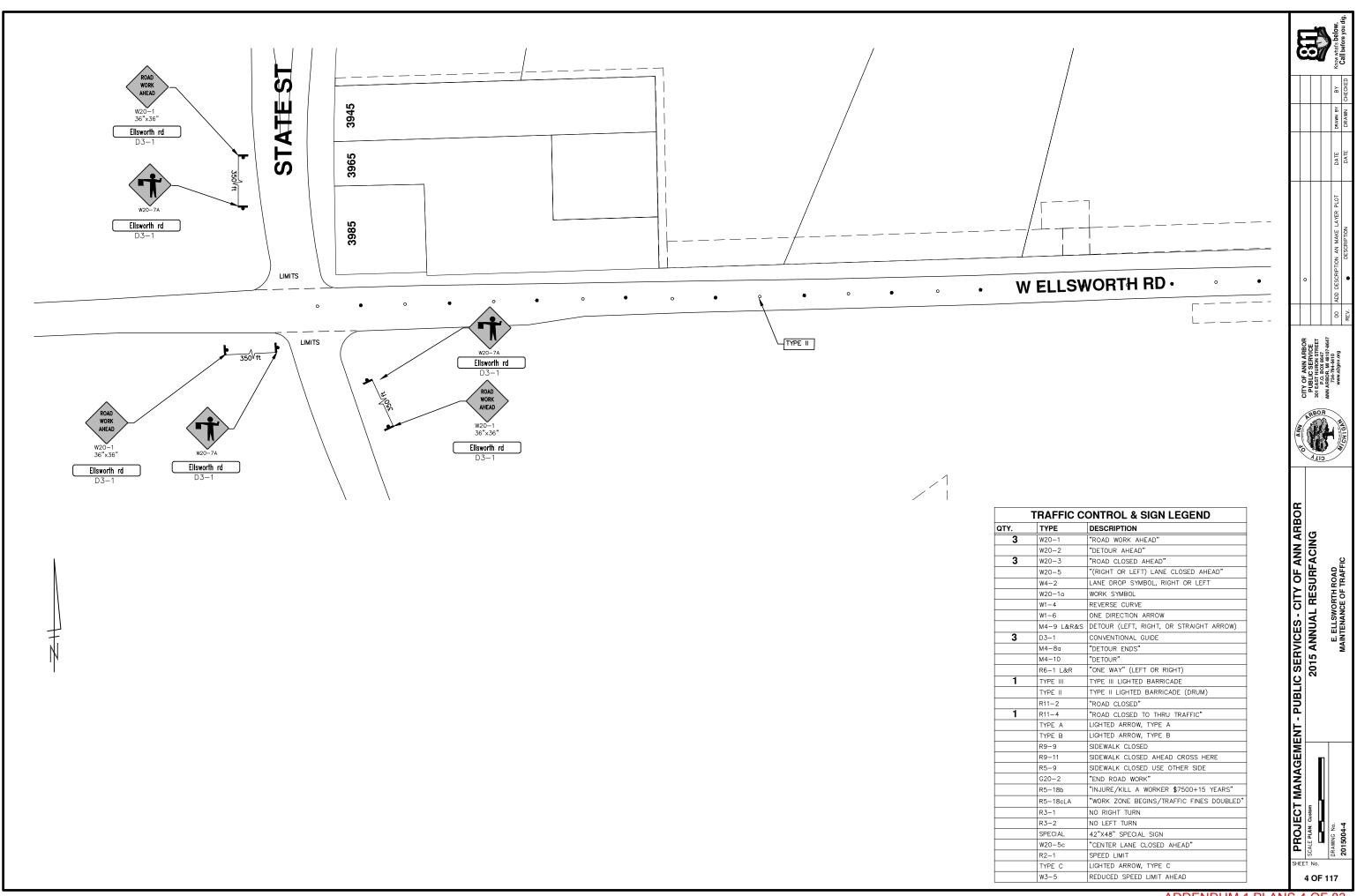
PROJECT MANAGEM	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
T. No.	PROJECT DESCRIPTION 2015 ANNUAL RESURFACING	
DRAWING No. 2015004 - 3	E. ELLSWORTH ROAD	

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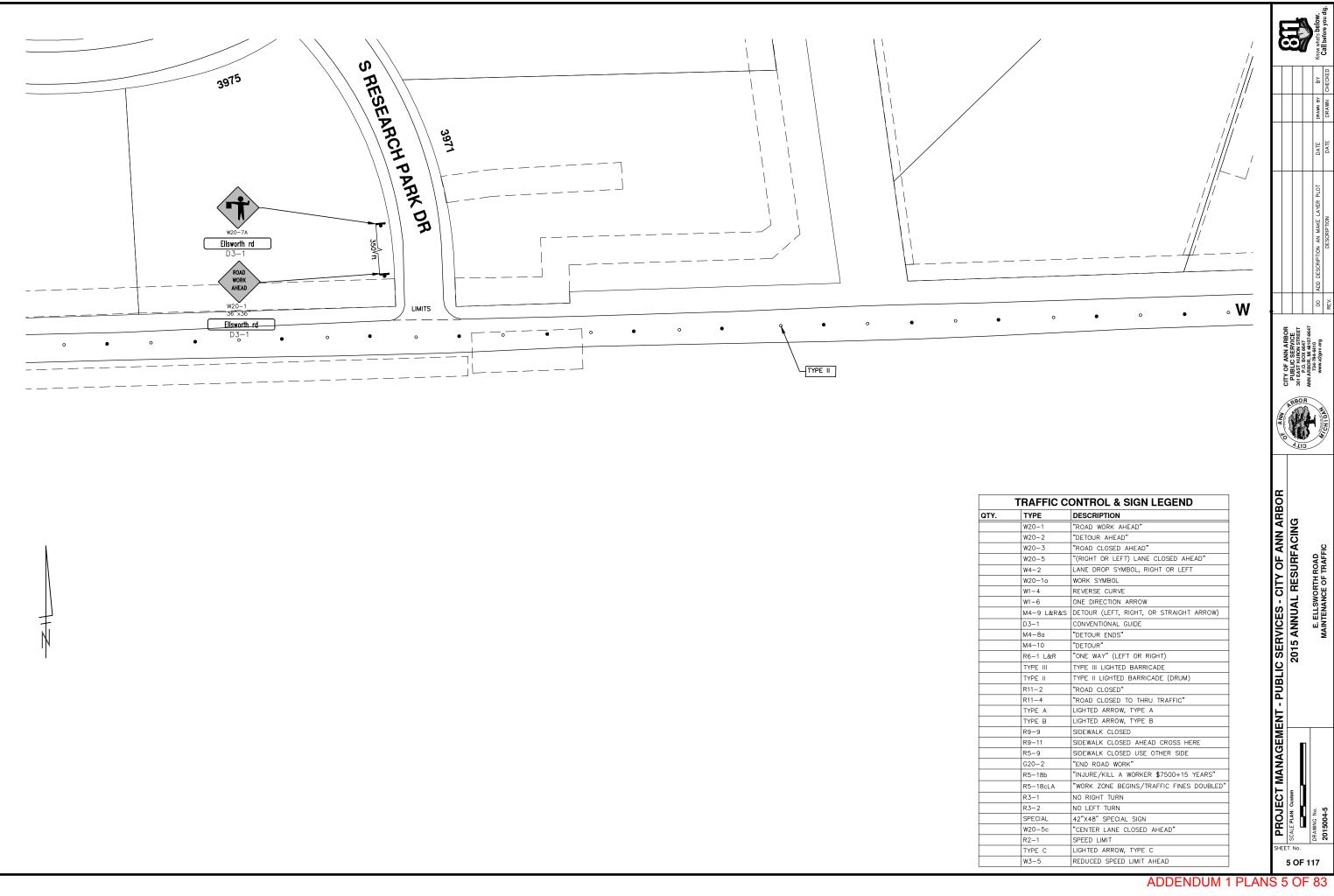


PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 3 OF 83

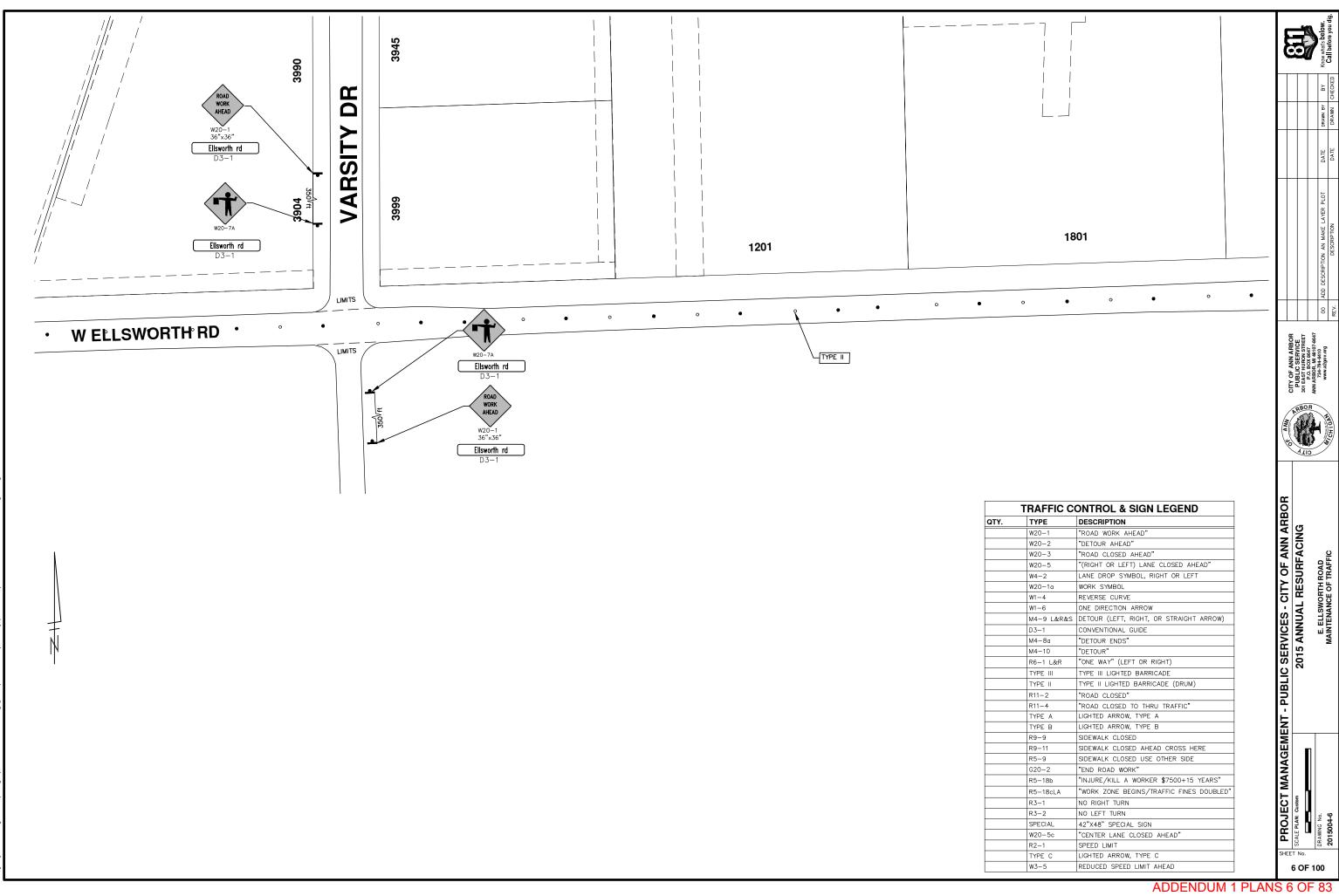


ADDENDUM 1 PLANS 4 OF 83

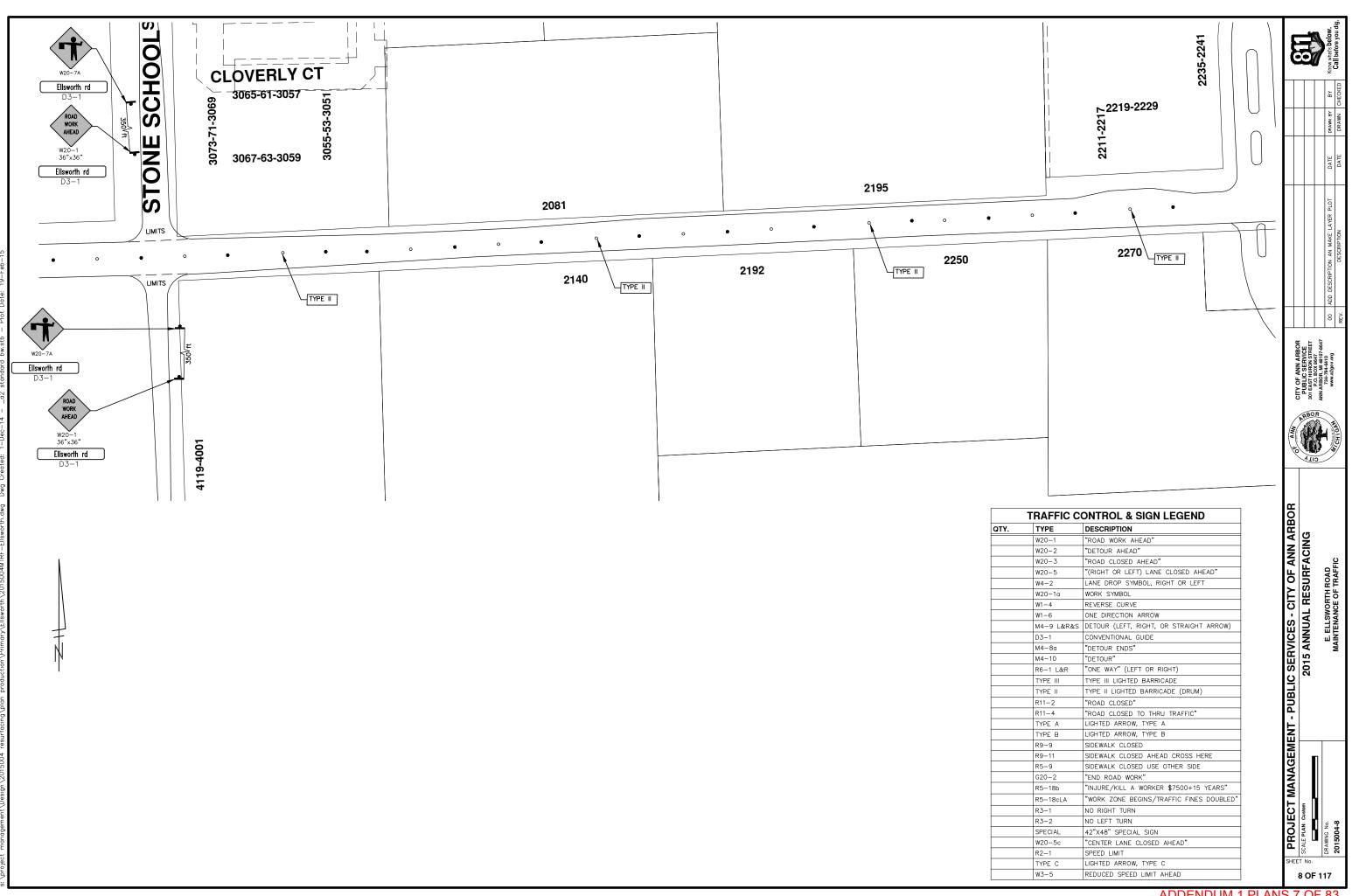




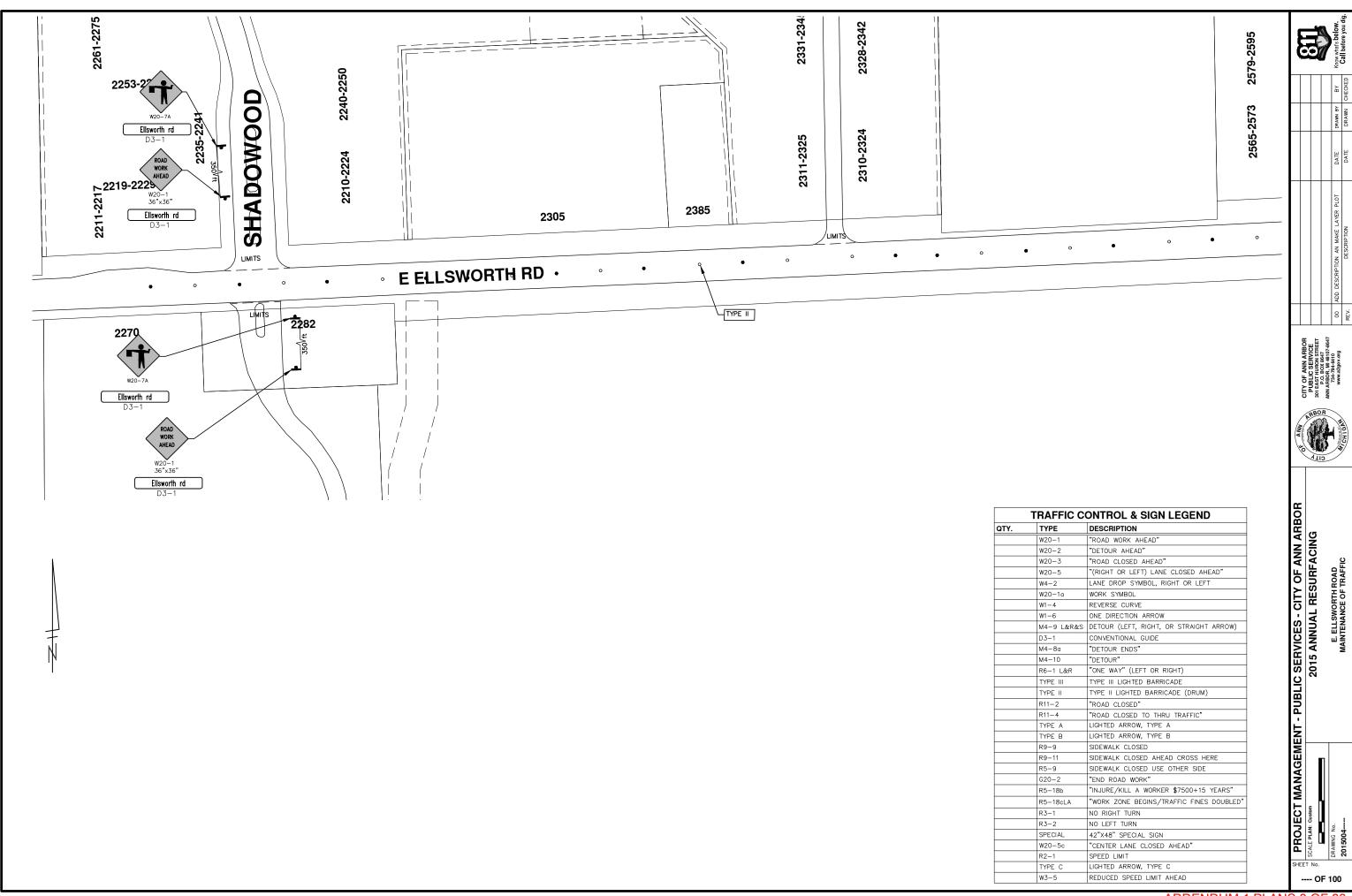
	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, 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



	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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
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	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



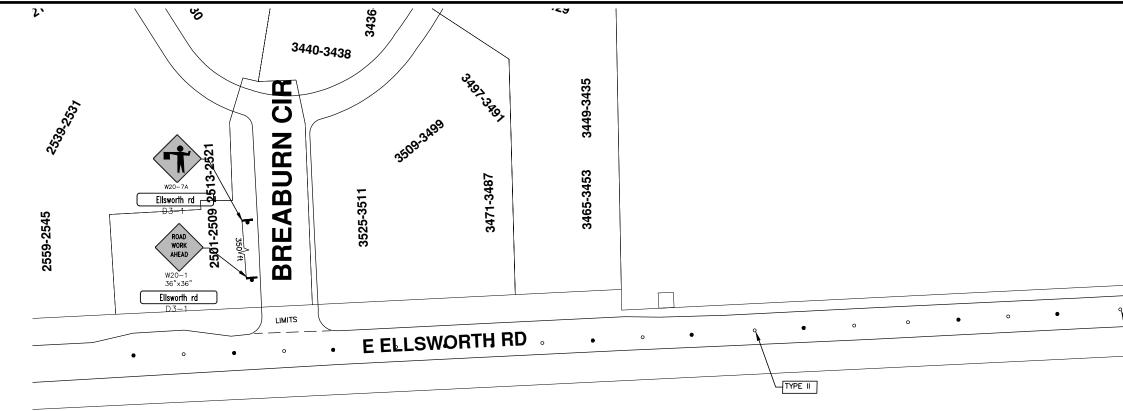
ADDENDUM 1 PLANS 7 OF 83



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	CITY OF ANN ARBOR	301 EAST HURON STREET	P.O. BOX 8647 ANN ARBOR, MI 48107-8647	734-794-6410 www.a2gov.org	
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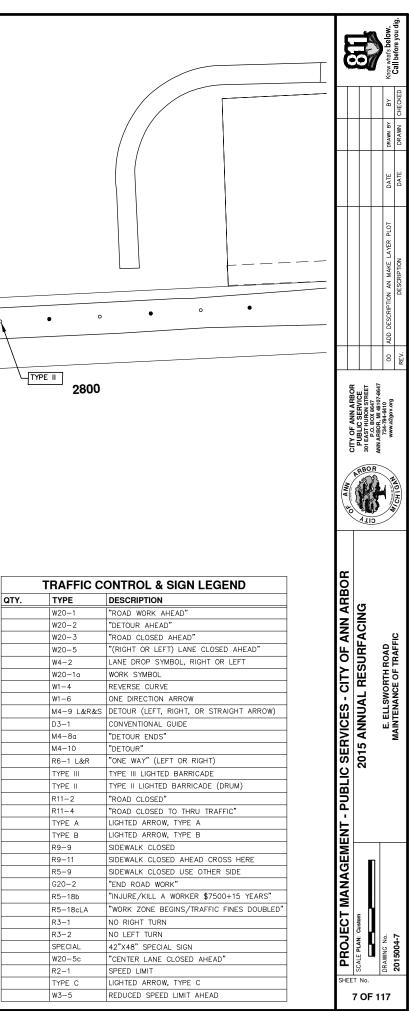
	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, 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

ADDENDUM 1 PLANS 8 OF 83

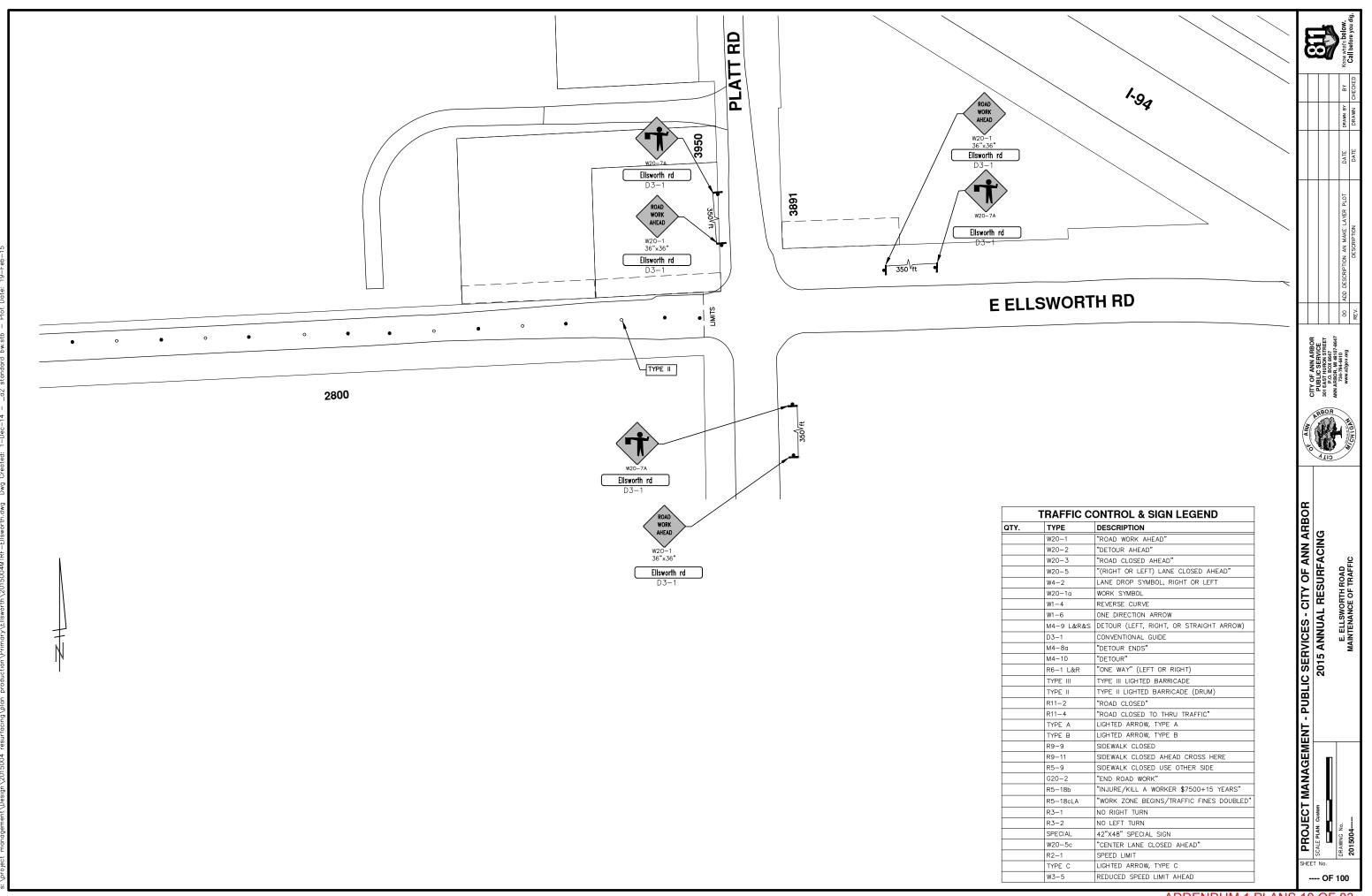




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ADDENDUM 1 PLANS 9 OF 83



	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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

ADDENDUM 1 PLANS 10 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION:E. EISENHOWER PKWY AND BIKE PATHS

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	73
207	Cold Miling Pavement	Tons	4640
209	Subgrade Undercutting - Type II	C.Y.	630
220	HMA Patching	Tons	8
222	HMA Pavement Leveling, Regular (Bike Paths)	Tons	1320
223	HMA Pavement Wearing, Regular	Tons	0
224	HMA Pavement Wearing, 36 A (Bike Paths)	Tons	660
226	HMA Pavement Wearing - 5E3	Tons	4640
227	HMA Pavement Base or Leveling - 4E3	Tons	0
230	Rem. Curb & Gutter, Any Type	L.F.	490
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	2560
233	Pvmt. Joint & Crack Repair - Detail 7	FT	400
234	Pvmt. Joint & Crack Repair - Detail 8	FT	100
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	490
240	4" Sidewalk or Ramp	S.F.	300
241	6" Drive, Sidewalk or Ramp	S.F.	2260
245	Detectable Warning, Cast in Place	S.F.	290
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	0
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	0
260	Inlet Structure Cover (MDOT Type K)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	14
271	21AA Limestone - C.I.P.	C.Y.	630
282	Plastic Drum - Lighted - Furnish & Operate	Each	40
283	Barricade Type III - Furnish & Operate	Each	0
284	Temp Signs Type - B	S.F.	689
285	No Parking Sign	Each	0
286	Sign, Portable Changeable Mess., Furnish	Each	2
287	Sign, Portable Changeable Mess., Operate	Each	2
295	Tubular Markers, 36", Furnish & Operate	Each	292
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	3448
595	4" Yellow Thermo.	L.F.	596
596	6" White Thermo.	L.F.	405
597	24" White Thermo.	L.F.	1627
598	Pvmt. Marking Symbol	Each	84

	TRAFF	IC CONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
15	W20-1	"ROAD WORK AHEAD"
14	W20-7a	"FLAGGER IMAGE"
29	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM
	15 14 29 0 0	TYPE 15 W20-1 14 W20-7a 29 D3-1 0 TYPE III 0 R11-4

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 4. PERFORM HMA CRUSHING AND SHAPING OF HMA BIKE PATHS, AS DIRECTED BY THE ENGINEER.
- 5. MILL 1.5 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.
- 6. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 7. PAVE 2 INCHES OF BITUMUNUS MIX ON THE BIKE PATHS AS SPECIFIED OR DIRECTED, AS THE BASE/LEVELING COURSE, IN ONE LIFT.
- 8. PAVE 1 INCH OF BITUMUNOUS MIX ON THE BIKE PATHS AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE IN ONE LIFT.
- 9. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT
- COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 12. 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 IT'S 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 HOLDAYS 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.

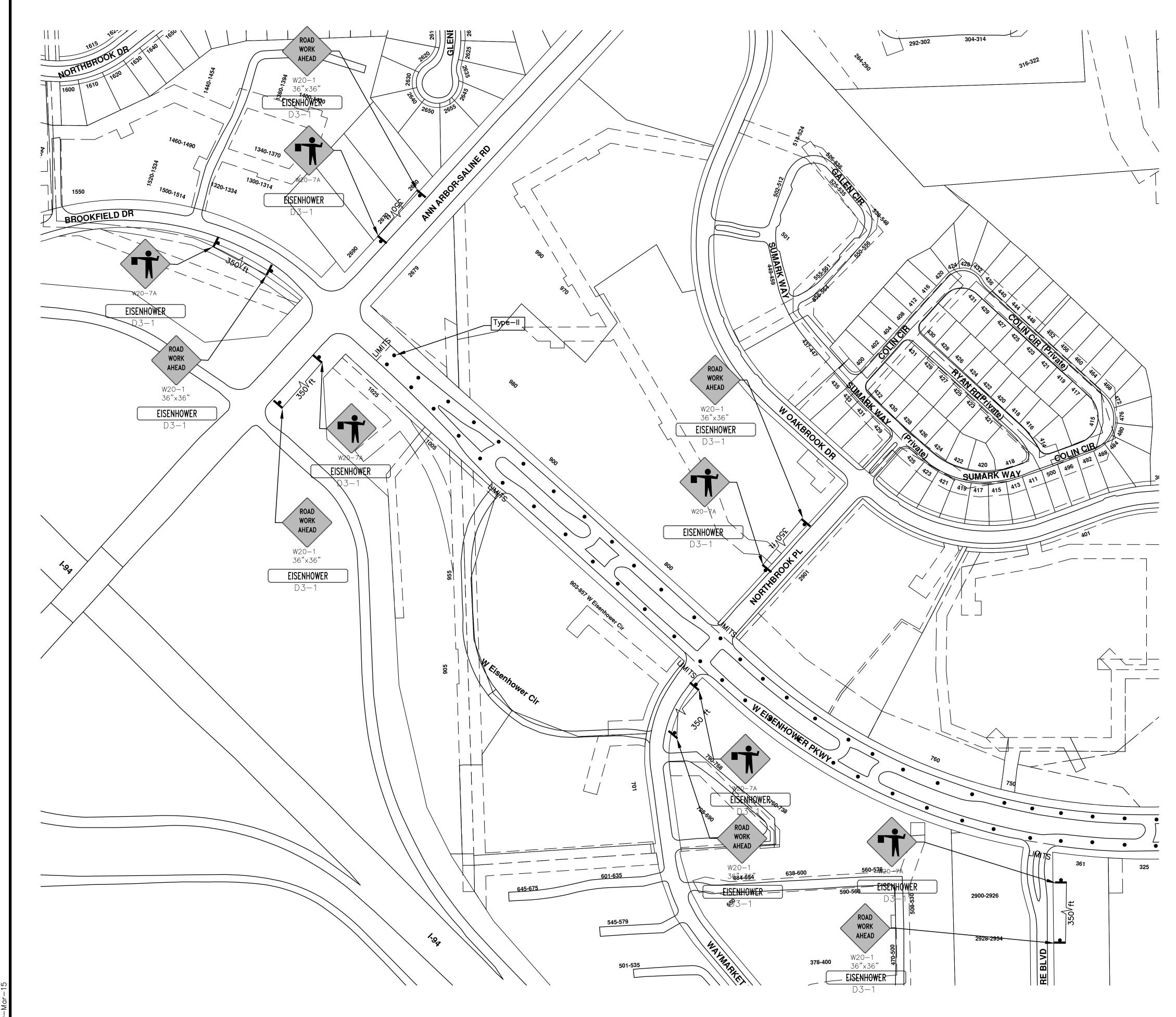
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION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

SHEE 1	PROJECT MANAGEM	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
^{τ Νο.} 2 ΟF		PROJECT DESCRIPTION 2015 ANNUAL RESURFACING
117	DRAWING No. 2015004 - 12	E. EISENHOWER PKWY AND BIKE PATHS

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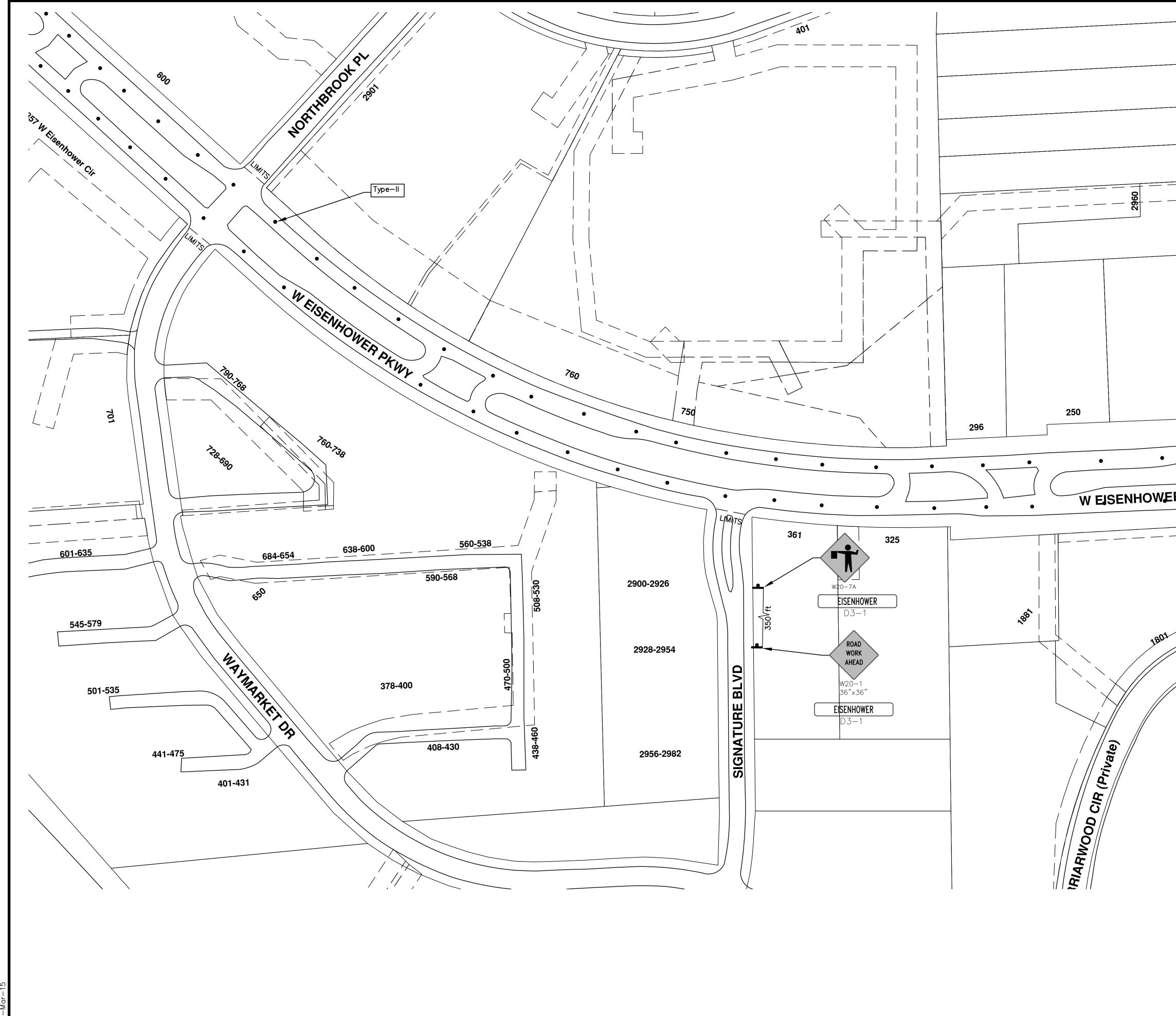


PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET, P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

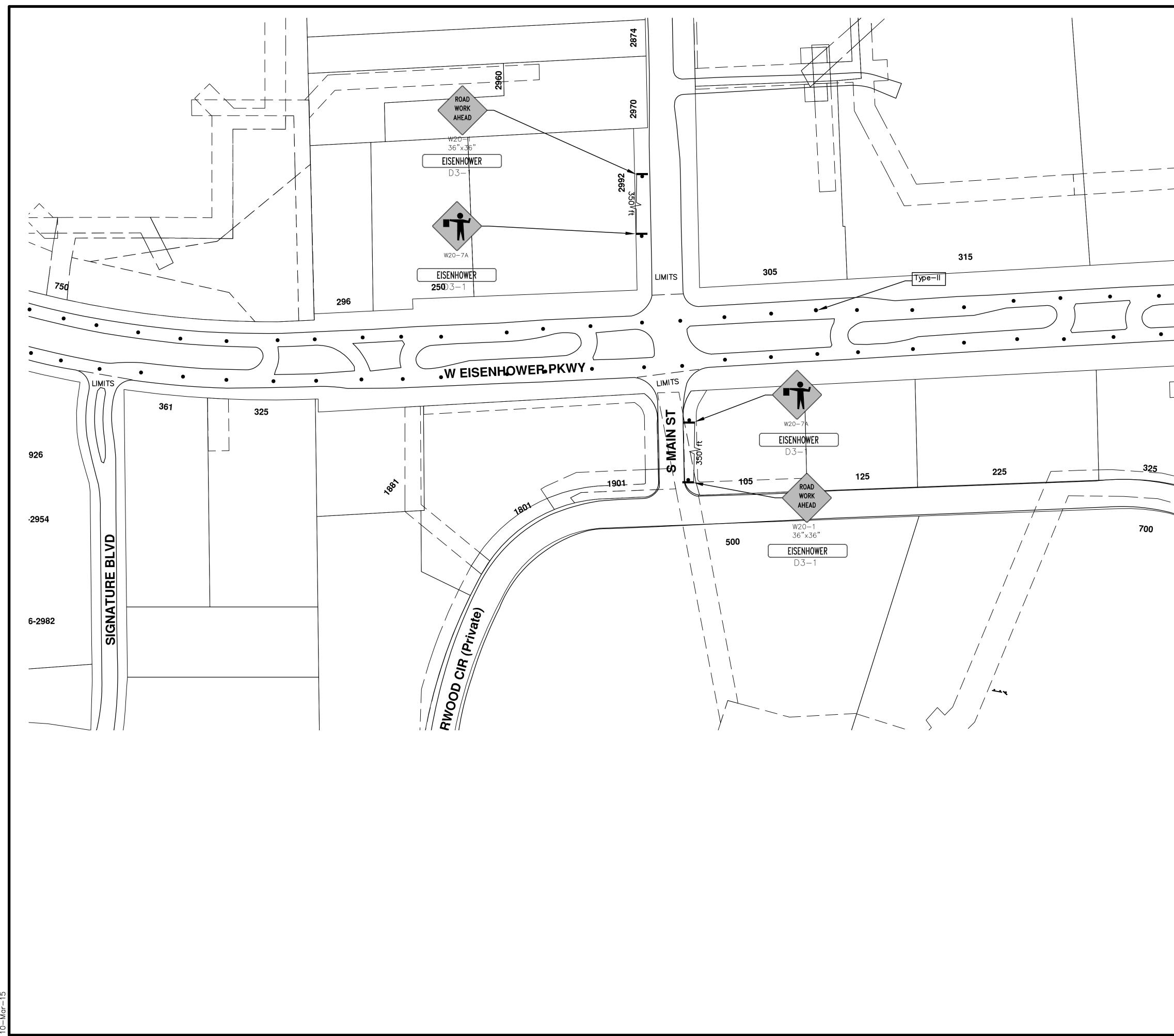


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			OF TOWN ARACE						Ę
0	No.	2015 ANNUAL RESURFACING	FOR 301 EAST HURON STREET					2	
F			O O BOX 8647 ANN ARBOR MI 48107-8647 P						
11	DRAWING No.	E. EISENHOWER PKWY	734-794-6410	ε	OO ADD DESCRIPTION AN MAKE I AYER PLOT	DATE			hat's below.
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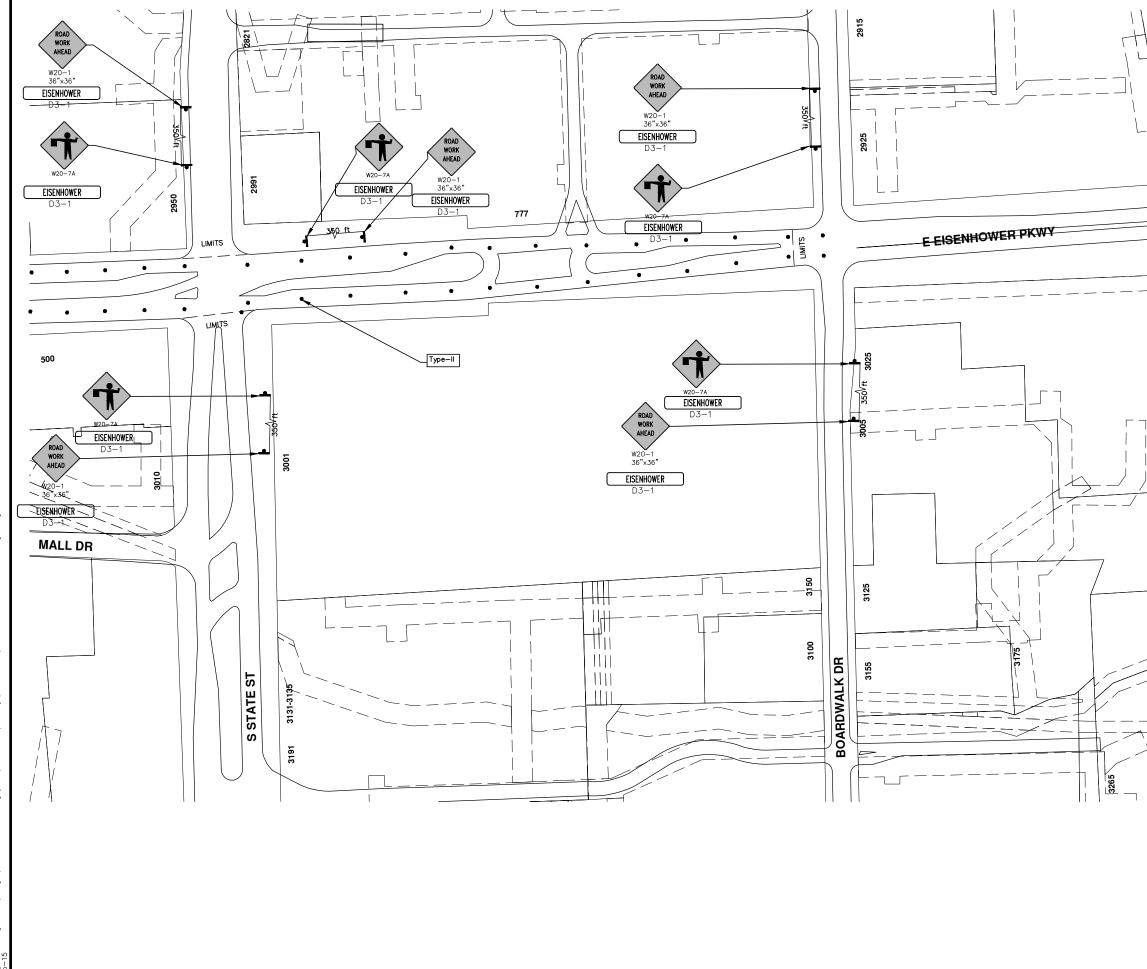
	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, 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



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QTY.	TYPE W20-1	DESCRIPTION	ANN ARBOR	FACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"	ANN ARBOR	JRFACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFT	OF ANN ARBOR	ESURFACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOL	OF ANN ARBOR	RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFT	- CITY OF ANN ARBOR	RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	- CITY OF ANN ARBOR	RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE	- CITY OF ANN ARBOR	RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS"	- CITY OF ANN ARBOR	ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE	SERVICES - CITY OF ANN ARBOR	ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 D3-1 M4-8a M4-10	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR"	SERVICES - CITY OF ANN ARBOR	RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)	SERVICES - CITY OF ANN ARBOR	ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED"	- CITY OF ANN ARBOR	ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR"ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"	- PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED"	- PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE A	- PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERE	- PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-3 W20-1a W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE	- PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSEDSIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK"	NAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-3 W20-1a W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-3 W20-1a W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS"	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	E. EISENHOWER PKWY
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA R3-1 R3-2	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURNNO LEFT TURN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	Custom 2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-3 W20-3 W20-3 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1 R3-2 SPECIAL	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""NO RIGHT TURNNO RIGHT TURNNO LEFT TURN42"X48" SPECIAL SIGN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	Custom 2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W20-10 W1-4 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE A TYPE B R9-9 R9-11 R5-18b R5-18cLA R3-1 R3-2 SPECIAL W20-5c	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURNNO LEFT TURN42"X48" SPECIAL SIGN"CENTER LANE CLOSED AHEAD"	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACIN	
QTY.	TYPE W20-1 W20-3 W20-3 W20-3 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1 R3-2 SPECIAL	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""NO RIGHT TURNNO RIGHT TURNNO LEFT TURN42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	Custom 2015 ANNUAL RESURFACIN	DRAWING No. E. EISENHOWER PKWY



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QTY.	TRAFFIC C TYPE W20-1	ONTROL & SIGN LEGEND DESCRIPTION "ROAD WORK AHEAD"	ARBOR	NG	0
ΩΤΥ.	TYPE W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD"	ARBOR	ACING	
QTY.	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"	ANN ARBOR	RFACING	
QTY.	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"	OF ANN ARBOR	SURFACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL	OF ANN ARBOR	RESURFACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	- CITY OF ANN ARBOR	AL RESURFACING	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	- CITY OF ANN ARBOR		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	- CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	- CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "ONE WAY" (LEFT OR RIGHT)	SERVICES - CITY OF ANN ARBOR		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADE	LIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "ONE WAY" (LEFT OR RIGHT)	LIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"	SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	PUBLIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"	PUBLIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE A TYPE B R9-9 R9-11	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERE	PUBLIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE	PUBLIC SERVICES - CITY OF ANN ARBOR	ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE A TYPE B R9-9 R9-11	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERE	NAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL	
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	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W1-4 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-4 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR ENDS""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE ASIDEWALK CLOSEDSIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURNNO LEFT TURN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W1-4 W1-4 W1-4 W1-4 W1-4 W1-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA R3-1 R3-1 R3-1 R3-1 R3-1 R3-1 R3-2 SPECIAL W20-5c	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""ROAD CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED""ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE BSIDEWALK CLOSED AHEAD CROSS HERESIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURNNO LEFT TURN42"X48" SPECIAL SIGN"CENTER LANE CLOSED AHEAD"	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL	
QTY.	TYPE W20-1 W20-2 W20-3 W20-10 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-911 R5-9 G20-2 R5-18b R3-1 R3-1 R3-1 R3-1 R3-1	DESCRIPTION"ROAD WORK AHEAD""DETOUR AHEAD""ROAD CLOSED AHEAD""(RIGHT OR LEFT) LANE CLOSED AHEAD"LANE DROP SYMBOL, RIGHT OR LEFTWORK SYMBOLREVERSE CURVEONE DIRECTION ARROWDETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)CONVENTIONAL GUIDE"DETOUR ENDS""DETOUR""ONE WAY" (LEFT OR RIGHT)TYPE III LIGHTED BARRICADETYPE III LIGHTED BARRICADE (DRUM)"ROAD CLOSED TO THRU TRAFFIC"LIGHTED ARROW, TYPE ALIGHTED ARROW, TYPE ASIDEWALK CLOSEDSIDEWALK CLOSED USE OTHER SIDE"END ROAD WORK""INJURE/KILL A WORKER \$7500+15 YEARS""WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"NO RIGHT TURNNO LEFT TURN42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL	



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<u>ατγ.</u>	TYPE W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD"	BOR AW	ACING		
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<u>ΩΤΥ.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	BOR AW	ESURFACING	AMAR di	
ατγ.	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	BOR AW	RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	BOR AW			
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	BOR AW	INUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	BOR AW	ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"	BOR AW	015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	BOR AW	2015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"	BOR AW	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	BOR AW	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM)	BOR AW	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B	BOR AW	2015 ANNUAL RESURFACING		
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QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B	BOR AW	2015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"	BOR AW	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	BOR AW	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE & A TYPE B R9-9 R9-911 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE	BOR AW			
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QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA R3-1 R3-1 R3-1 R3-1 W20-5c	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	ANN	ustom		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R5-18cLA R3-1 R3-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	FIROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		DRAWING No.	

ADDENDUM 1 PLANS 15 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: S. STATE STREET

IBT No. 4371 FILE No. 2015-004

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	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	28
207	Cold Miling Pavement	Tons	1000
209	Subgrade Undercutting - Type II	C.Y.	150
220	HMA Patching	Tons	3
221	Bit. Finish Wedging	C.Y.	8
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	HMA Pavement Wearing - 5E3	Tons	1000
227	HMA Pavement Base or Leveling - 4E3	Tons	0
230	Rem. Curb & Gutter, Any Type	L.F.	30
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	370
233	Pvmt. Joint & Crack Repair - Detail 7	FT.	200
234	Pvmt. Joint & Crack Repair - Detail 8	FT.	100
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	30
240	4" Sidewalk or Ramp	S.F.	200
241	6" Drive, Sidewalk or Ramp	S.F.	170
245	Detectable Warning, Cast in Place	S.F.	20
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	0
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	2
271	21AA Limestone - C.I.P.	C.Y.	150
281	Arrow Panel - Furn. & Operate	Each	2
282	Plastic Drum - Lighted - Furn. & Operate	Each	20
283	Barricade Type III - Furn. & Operate	Each	0
284	Temp Signs Type - B	S.F.	240
285	No Parking Sign	Each	0
286	Sign Portable Changeable Mess. Furn.	Each	2
287	Sign Portable Changeable Mess. Operate	Each	2
295	Tubular Markers, 36", Furn. & Operate	Each	109
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	3308
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	208
597	24" White Thermo.	L.F.	506
598	Pvmt. Marking Symbol	Each	26

QUANTITIES

	TRAFF	FIC CONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
10	W20-1	"ROAD WORK AHEAD"
10	W20-7a	"FLAGER IMAGE"
20	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	ROAD CLOSED TO THRU TRAFFIC
0	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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 4. MILL 1.5 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.
- 5. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 6. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
- COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 8. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 9. 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 IT'S 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 HOLDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVOUSLY 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.

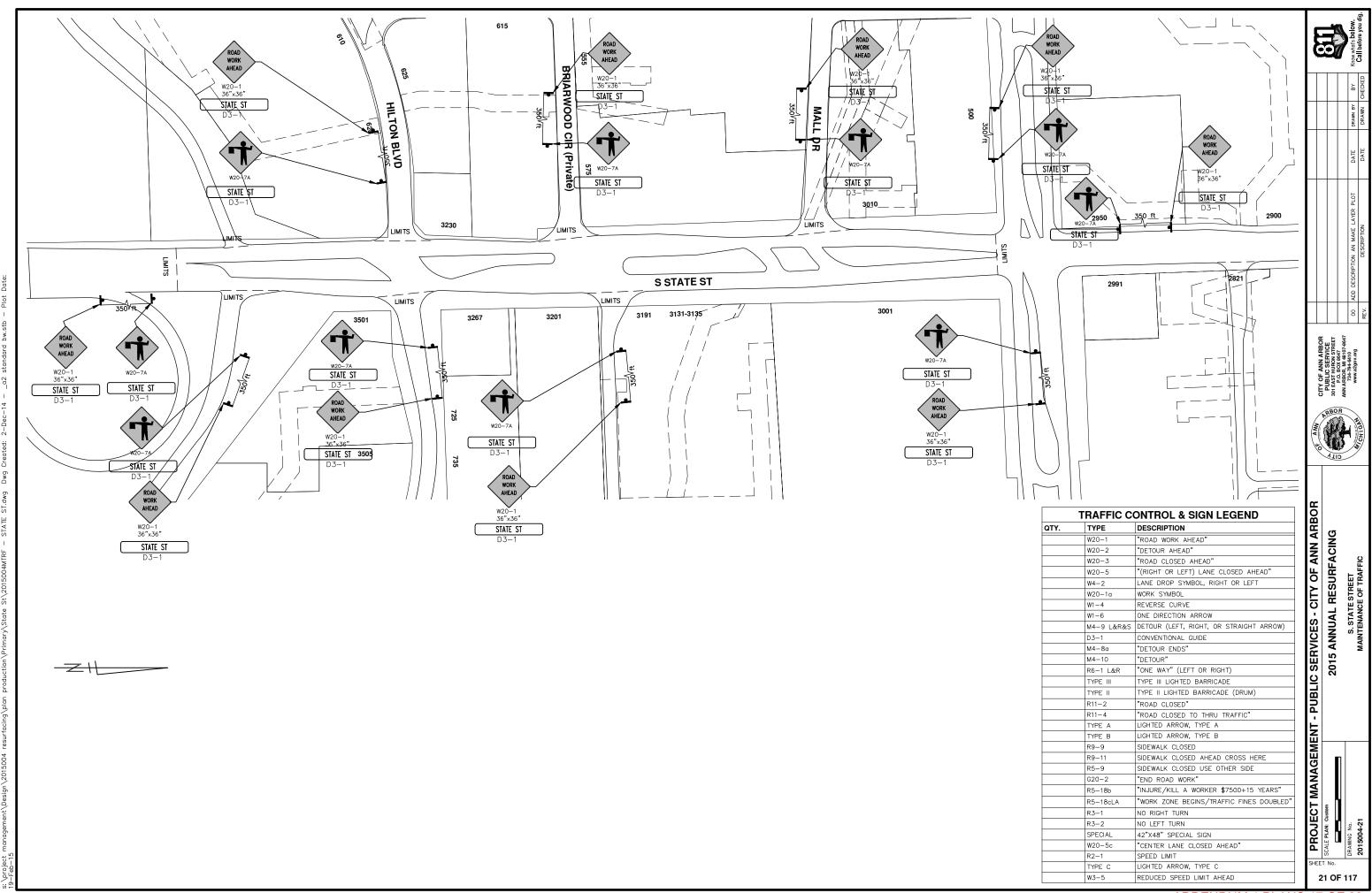
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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET, P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 16 OF 83



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ADDENDUM 1 PLANS 17 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: PACKARD STREET

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	33
207	Cold Miling Pavement	Tons	1650
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	192
217	Remove & Replace Brick Pavers	S.F.	30
220	HMA Patching	Tons	4
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	HMA Pavement Wearing - 5E3	Each	1650
227	HMA Pavement Wearing - 4E3	Each	0
230	Rem. Curb & Gutter, Any Type	L.F.	1140
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	5750
233	Pvmt. Joint & Crack Repair - Detail 7	Ft.	200
234	Pvmt. Joint & Crack Repair - Detail 8	Ft.	100
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1140
240	4" Sidewalk or Ramp	S.F.	2430
241	6" Drive, Sidewalk or Ramp	S.F.	3320
245	Detectable Warning, Cast in Place	S.F.	630
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	1
254	Lower Structure Cover	Each	67
255	Lower Mon./Gate Valve Box	Each	37
256	Adjust Structure Cover	Each	67
257	Adjust Curb Inlet Structure Cover	Each	8
258	Adjust Mon. or Gate Valve Box	Each	37
259	Manhole Flange & Cover (MDOT Type A)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	10
268	Flowable Fill	C.Y.	32
271	21AA Limestone - C.I.P.	C.Y.	192
276	Remove Raised Pavement markers	Each	42
282	Plastic Drum - Lighted - Furn. & Operate	Each	40
283	Barricade Type III - Furn. & Operate	Each	0
284	Temp Signs Type - B	S.F.	891
285	No Parking Sign	Each	20
286	Sign, Portable Changeable Mess. Furnish	Each	2
287	Sign, Portable Changeable Mess. Operate	Each	2
295	Tubular Markers, 36", Furn. & Operate	Each	300
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	1005
595	4" Yellow Thermo.	L.F.	9162
596	6" White Thermo.	L.F.	7816
597	24" White Thermo.	L.F.	581
598	Pvmt. Marking Symbol	Each	28
599	Cold Plastic Bike Symbol W/ Arrow or Sharrow	Each	27

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
27	W20-1	"ROAD WORK AHEAD"
27	W20-7a	"FLAGGER IMAGE"
54	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 3. DIRECTED BY THE ENGINEER.
- MILL 1.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY, THIS MAY INCLUDE GRANULAR 4. ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
- 5. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 6. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
- 7. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
- 8. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE. IN ONE LIFT
- 9. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEEF
- 10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION
- 11. 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 IT'S 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.

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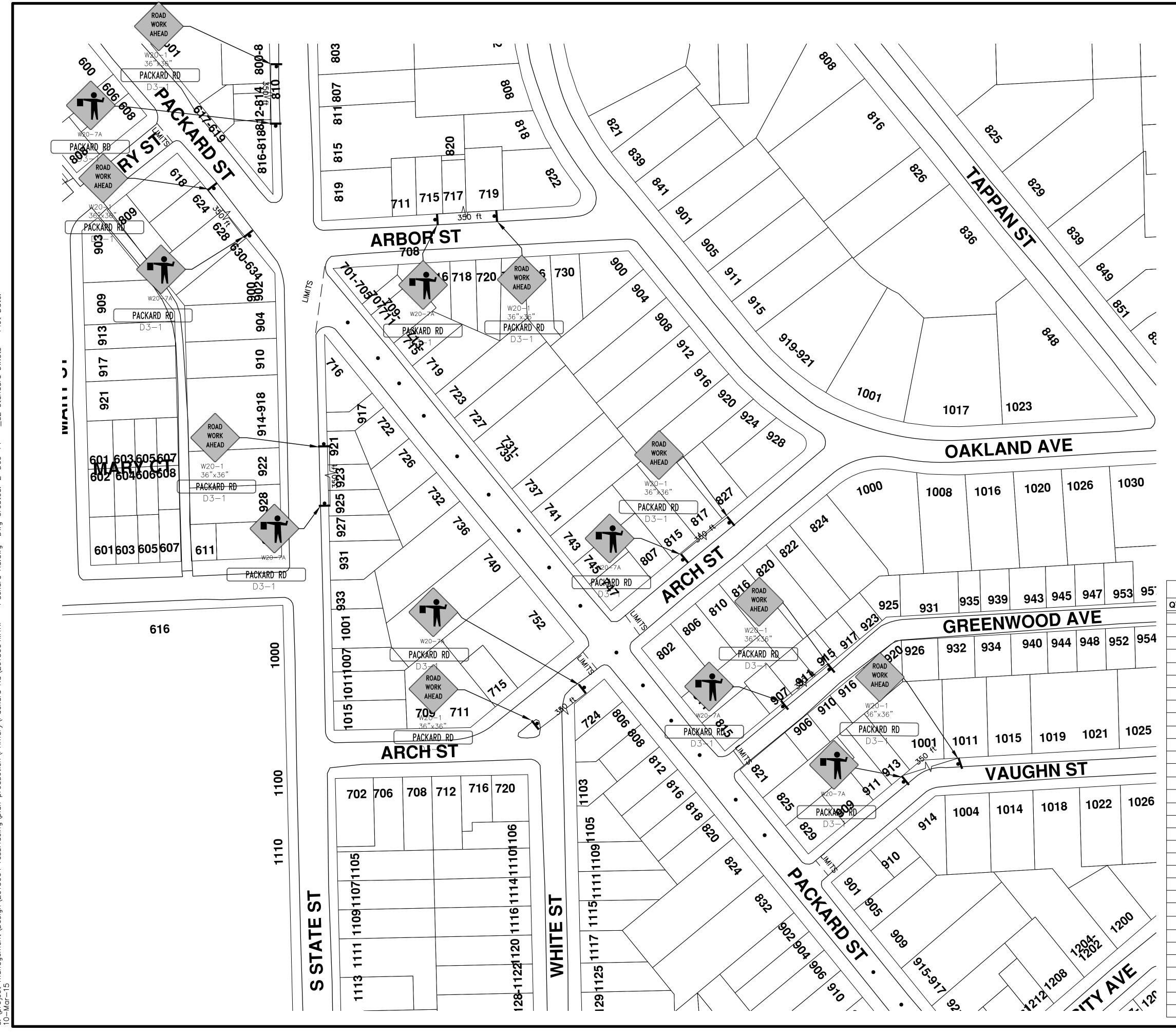
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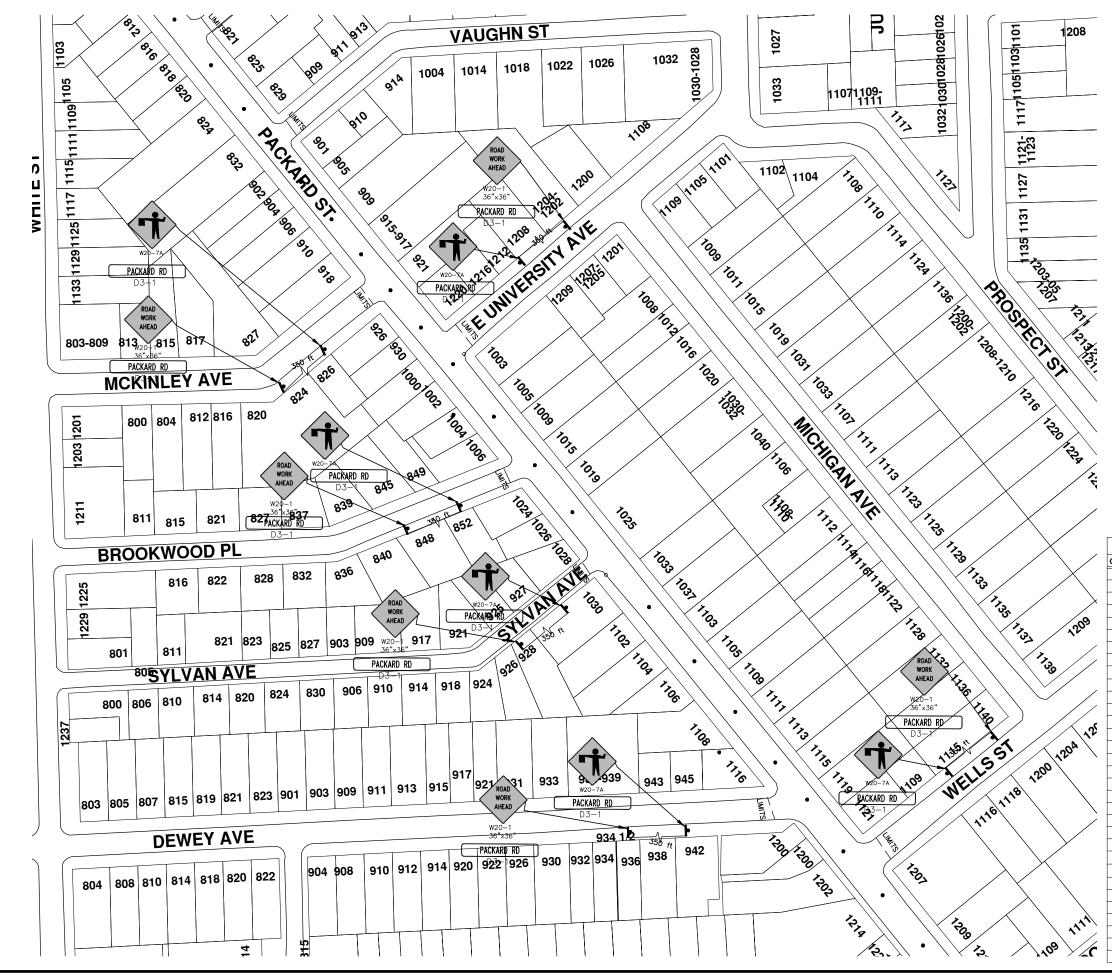
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ADDENDUM 1 PLANS 18 OF 83



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	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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



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	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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"
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	W20-5c	"CENTER LANE CLOSED AHEAD"
	R2-1	SPEED LIMIT
	TYPE C	LIGHTED ARROW, TYPE C
	W3-5	REDUCED SPEED LIMIT AHEAD



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	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
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	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
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	TYPE A	LIGHTED ARROW, TYPE A
	TYPE B	LIGHTED ARROW, TYPE B
	R9-9	SIDEWALK CLOSED
	R9-11	SIDEWALK CLOSED AHEAD CROSS HERE
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	W20-5c	"CENTER LANE CLOSED AHEAD"
	R2-1	SPEED LIMIT
	TYPE C	LIGHTED ARROW, TYPE C
	W3-5	REDUCED SPEED LIMIT AHEAD

ADDENDUM 1 PLANS 21 OF 83



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	QTY.	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"	F ANN ARBOR	REACING	FIC
	QTY.	TYPE W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD"		SURFACING	REET TRAFFIC
	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL		RESURFACING) STREET E OF TRAFFIC
	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	- CITY OF ANN ARBOR	AL RESURFACING	ARD STREET ANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1g W1-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE	ES - CITY OF ANN ARBOR		ACKARD STREET
605	QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	/ICES - CITY OF ANN ARBOR	ANNUAL RESURFACING	PACKARD STREET AINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"	ERVICES - CITY OF ANN ARBOR	5 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	LIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM)	JBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM)	IT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE MAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B	ENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-10 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "RORK SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" IGNOM STRAIGHT ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	EMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE MAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B	AGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE "END ROAD WORK"	ANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
1605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED ATEAD CROSS HERE SIDEWA	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	PACKARD STREET MAINTENANCE OF TRAFFIC
1605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED BEGINS/TRAFFIC FINES DOUBLED"	CT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		PACKARD STREET MAINTENANCE OF TRAFFIC
605	QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED ATEAD CROSS HERE SIDEWA	JECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		5
1605		TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R2-9 G20-2 R5-18b R3-1	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	ROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		5
1605		TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE III TYPE B R1-4 TYPE B R9-9 R0-11 R5-9 G20-2 R5-18bLA R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "NORIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		5
1605		TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "CAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD C	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN AR	Custom	

ADDENDUM 1 PLANS 22 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: NEWPORT ROAD

ITB No. 4371 FILE No. 2015-004

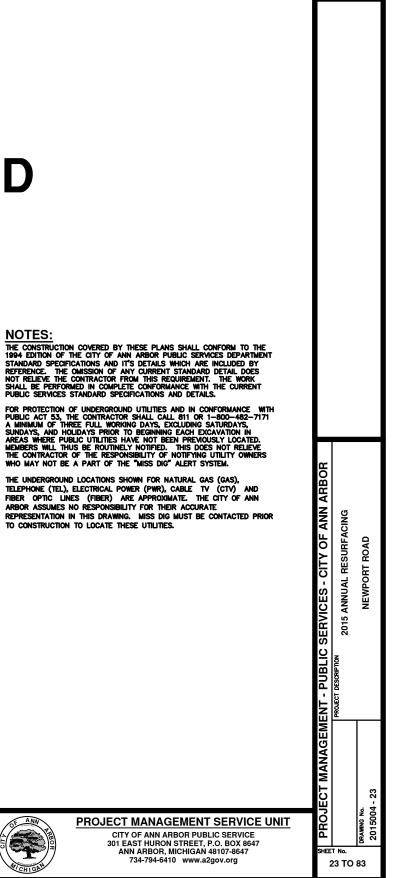
	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	33
207	Cold Miling Pavement	Tons	1020
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	192
220	HMA Patching	Tons	4
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	HMA Pavement Wearing - 5E3	Tons	1020
230	Rem. Curb & Gutter, Any Type	L.F.	490
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	1170
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	450
238	Conc. Curb & Gutter H.E.	L.F.	50
240	4" Sidewalk or Ramp	S.F.	550
241	6" Drive, Sidewalk or Ramp	S.F.	370
242	6" S/W, Drive App. H.E.	S.F.	250
245	Detectable Warning, Cast in Place	S.F.	80
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	0
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	14
271	21AA Limestone - C.I.P.	C.Y.	490
282	Plastic Drum - Lighted - Furn. & Operate	Each	40
283	Barricade Type III - Furn. & Operate	Each	4
284	Temp Signs Type - B	S.F.	231
285	No Parking Sign	Each	20
295	Tubular Markers, 36", Furn. & Operate	Each	130
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	75
595	4" Yellow Thermo.	L.F.	6090
596	6" White Thermo.	L.F.	6208
597	24" White Thermo.	L.F.	267
598	Pvmt. Marking Symbol	Each	0
599	Cold Plastic Bike Symbol W/ Arrow or Sharrow	Each	9

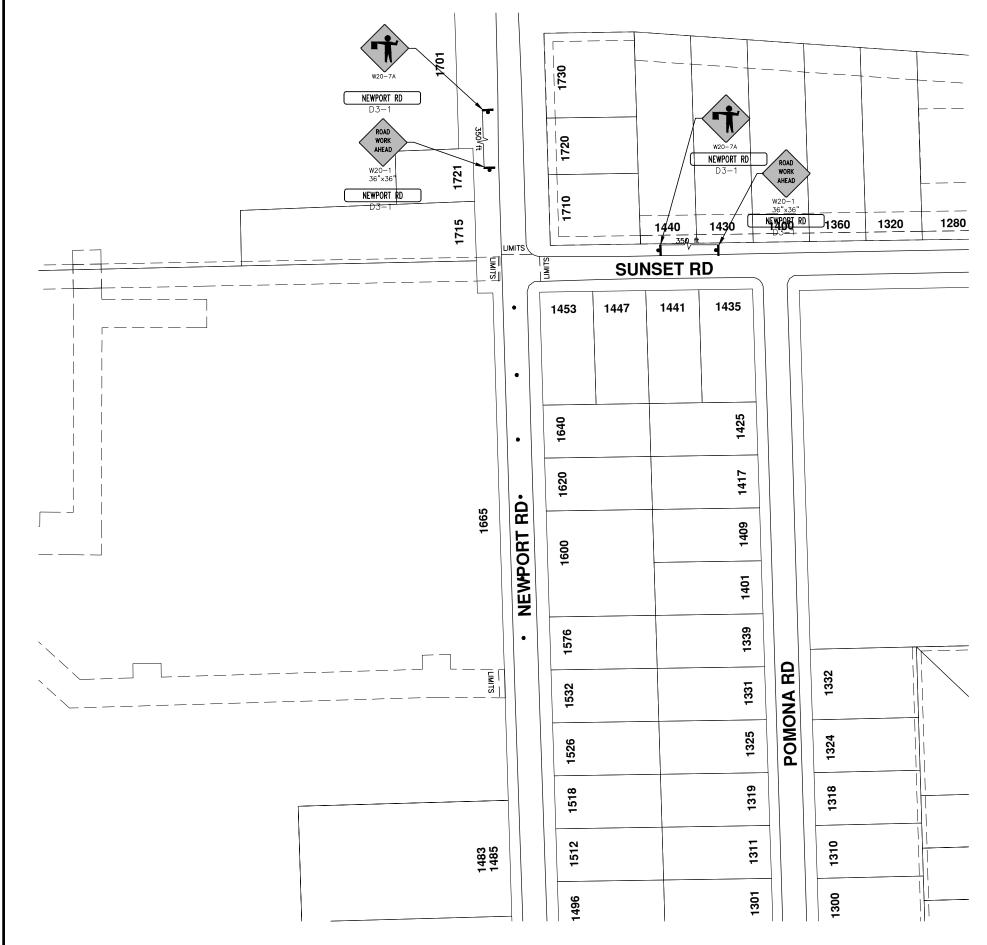
	Т	RAFFIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
7	W20-1	"ROAD WORK AHEAD"
0	W20-3	"ROAD CLOSED AHEAD"
14	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	ROAD CLOSED TO THRU TRAFFIC
0	TYPE II	TYPE II BARRICADE DRUM
7	W20-7A	TRAFFIC REGULATOR

CONSTRUCTION METHOD AND SEQUENCING

- 1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE CROBER 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- MILL 1.5 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.
- 5. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 6. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE
- 7. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN
- 8. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 9. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 10. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

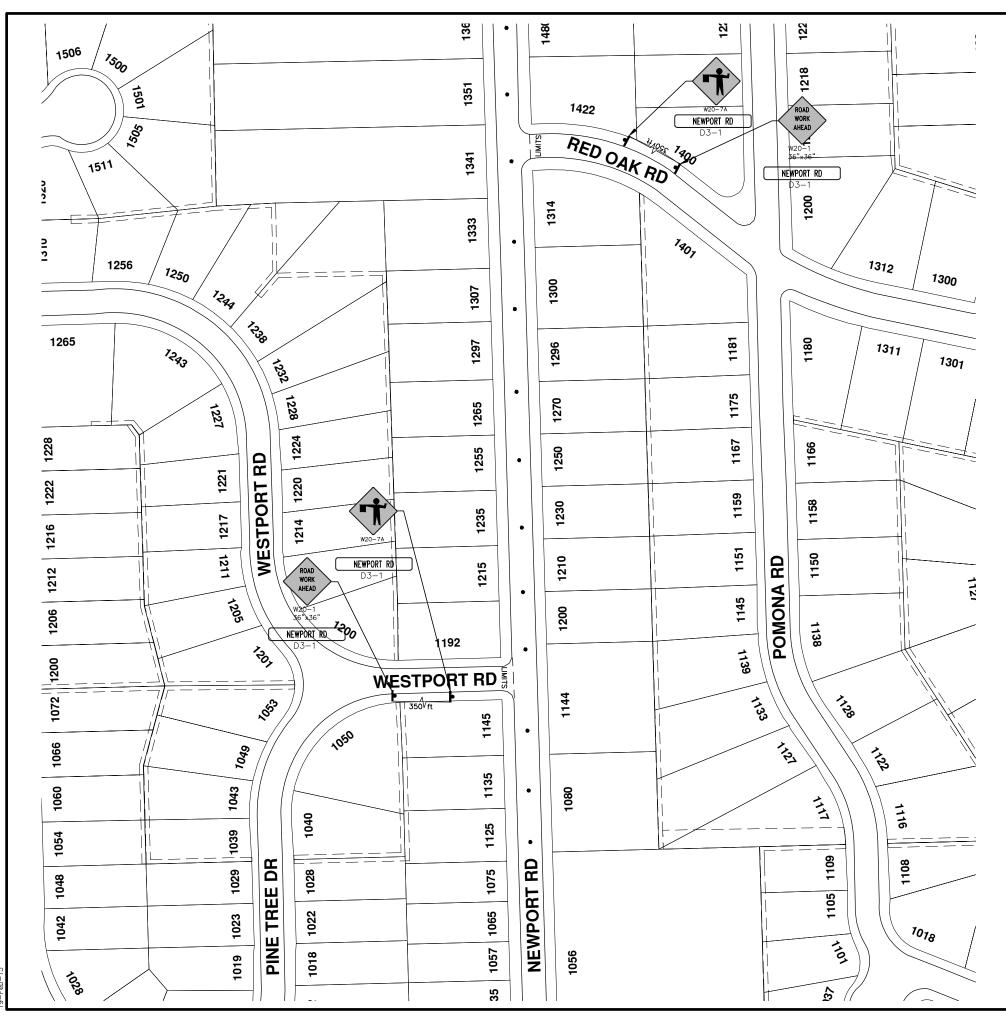






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	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
2	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
2	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
1	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
1	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

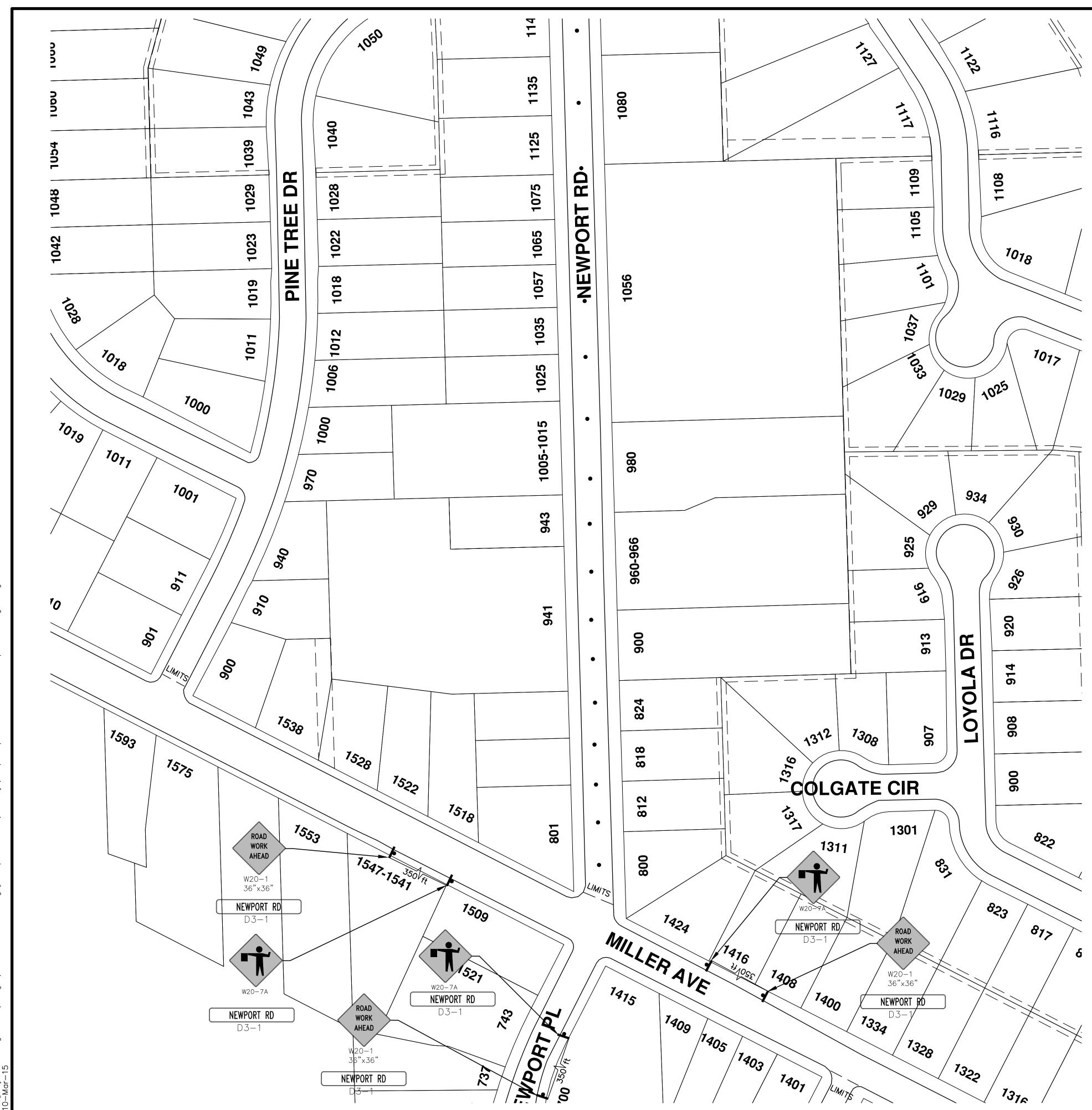




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•	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
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	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
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	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
2	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
2	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
2	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
		1

ADDENDUM 1 PLANS 25 OF 83



	E PRO.IFCT MANAGFMFI	ANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARROR	AM						
33									
		2015 ANNUAL RESURFACING							
1			ANN ARBOR, MI 48107-8647						
17	DRAWING No.	NEWPORT ROAD		00	00 ADD DESCRIPTION AN MAKE LAYER PLOT	DATE	DRAWN BY	B	Know what's below.
7		MAINTENANCE OF TO AFEC	BIO: AOBZEAMAM))		1			
	2015004-33		-/CHIGR	REV.	DESCRIPTION	DATE	DRAWN	DRAWN CHECKED	Call before you dig.

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TY.	ТҮРЕ	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
3	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
3	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
1	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
1	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



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: W. HURON RIVER DR.**

ITB No. 4371 FILE No. 2015-004

ITEM #	DESCRIPTION	Unito	Tatal
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	
207	Cold Miling Pavement	Tons	840
209	Subgrade Undercutting - Type II	С.Ү.	160
220	HMA Patching	Tons	4
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	HMA Pavement Wearing - 5E3	Tons	840
227	HMA Pavement Base or Leveling 4E3	Tons	0
230	Rem. Curb & Gutter, Any Type	L.F.	0
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	0
233	Pvmt. Joint & Crack Repair - Detail 7	Ft.	100
234	Pvmt. Joint & Crack Repair - Detail 8	Ft.	50
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	0
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	0
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
252	Reconstruct Structure	Each	1
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	1
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	1
264	12" Sewer, Trench Detail I, Modified	L.F.	0
271	21AA Limestone - C.I.P.	C.Y.	0
274	Aggregate Shoulder, Class I, 2.5 Inch	Ton	160
281	Arrow panel - Furnish & Operate	Each	2
282	Plastic Drum - Lighted - Furn. & Operate	Each	20
283	Barricade Type III - Furn. & Operate	Each	4
284	Temp Signs Type - B	S.F.	149
285	No Parking Sign	Each	0
286	Sign Portable Changeable Mess. , Furnish	Each	2
287	Sign Portable Changeable Mess. , Operate	Each	2
295	Tubular Markers, 36", Furn. & Operate	each	120
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	7180
595	4" Yellow Thermo.	L.F.	7070
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	0
598	Pvmt. Marking Symbol	Each	0
599	Cold Plastic Bike Symbol W/ Arrow or Sharrow	Each	24

	TRAFE	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
3	W20-7a	"FLAGER IMAGE"
7	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
2	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. 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.
- MILL 1.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT
- 9. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
- 10. PAVE 1.5 INCH OVERLAY OF BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT
- 11. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND 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 IT'S 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 NOTIFING 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.

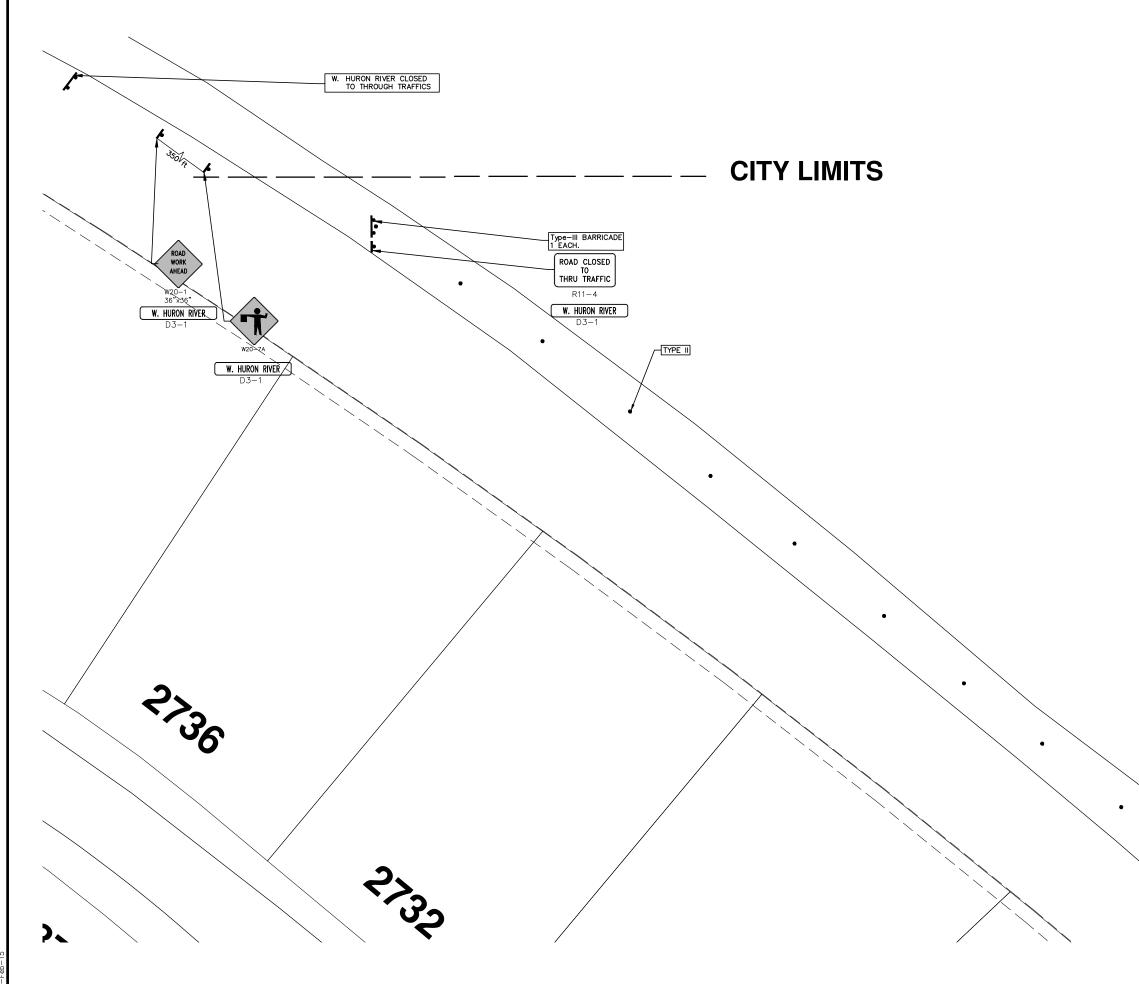
SHEE	PROJECT MANAGEM	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
ΤN		PROJECT DESCRIPTION	
o.		2015 ANNUAL RESURFACING	
	DRAWING No.	W. HURON RIVER DRIVE	
	2015004 - 39		

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

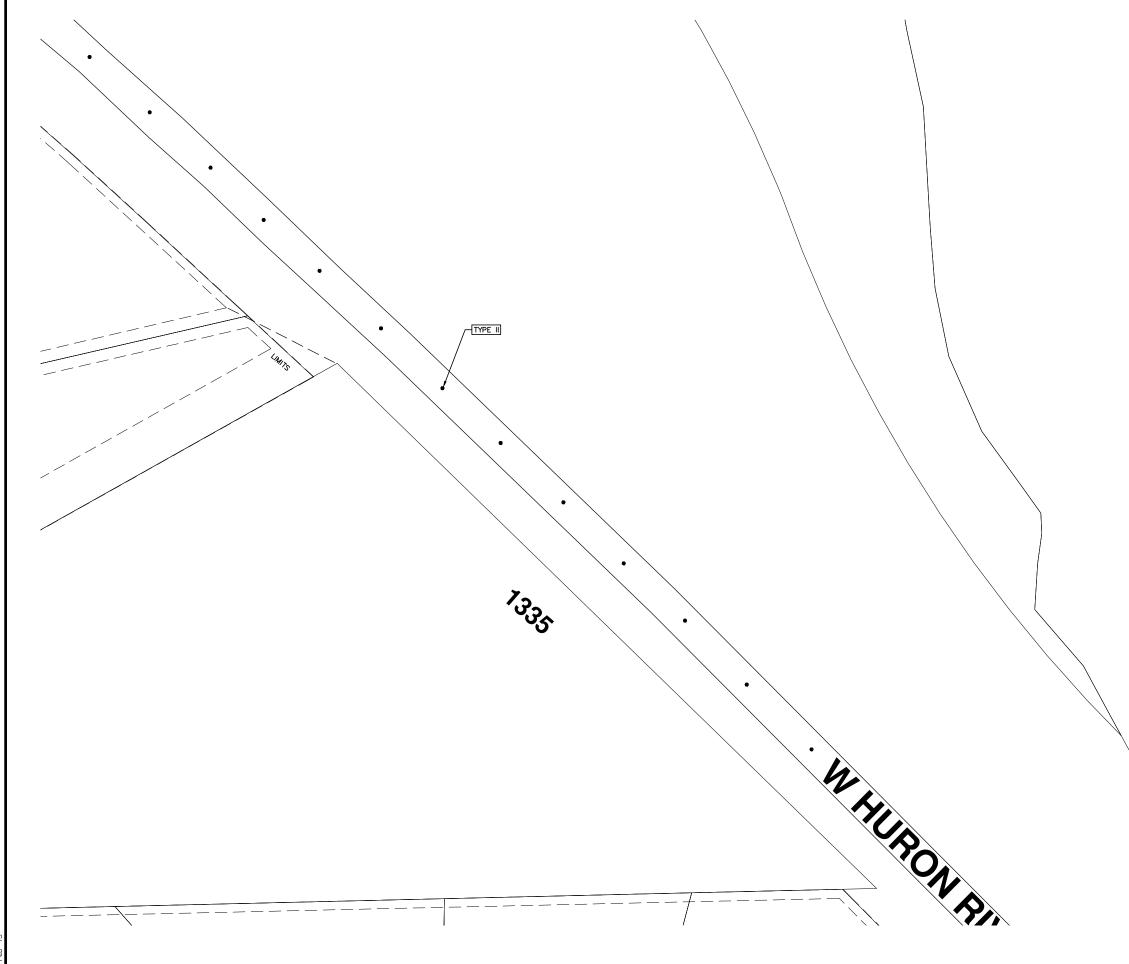
ADDENDUM 1 PLANS 27 OF 83



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			OF ANN				CHIGH.
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- 1	TYPE						
+	W20-1	DESCRIPTION	RBOR				
	W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD"		Ъ			
		"ROAD WORK AHEAD"		CING			
_	W20-2 W20-3 W20-5	"ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"		FACING		le 10	-
	W20-2 W20-3 W20-5 W4-2	"ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT		URFACING		DRIVE	HAFFIC
	W20-2 W20-3 W20-5 W4-2 W20-1a	"ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL		ESURFACING			
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	W20-2 W20-3 W20-5 W4-2 W20-1a W1-4	"ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE		AL RESURFACING		RON RIVER DRIVE	VANCE OF IRAFFIC
	W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	"ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE		NUAL RESURFACING			VIENANCE UP INAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"		ANNUAL RESURFACING		W. HURON RIVER DRIVE	VAIN LENANCE OF IRAFFIC
	W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"		15 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IRAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IRAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IRAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IRAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC"		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF INAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 D3-1 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IKAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF I HAFFIC
	W20-2 W20-3 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-9 L&R&S D3-1 M4-9a M4-10 R6-1 L&R TYPE II R11-2 R11-4 R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE		2015 ANNUAL RESURFACING			
	 W20-2 W20-3 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN IENANCE OF IRAFFIC
	 W20-2 W20-3 W20-5 W4-2 W1-6 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE A TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE IIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"		2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF IHAFFIC
	 W20-2 W20-3 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE		2015 ANNUAL RESURFACING			MAIN I ENANCE OF I RAFFIC
	 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE A TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "NJURE/KILL A WORKER \$7500+15 YEARS"				W. HURON RIVER DRIVE	MAIN LENANCE OF INAFFIC
	 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE II TYPE II TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R5-18cLA R3-1 R3-2 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN					
	 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II TYPE II TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R5-18cLA R3-1 R3-2 SPECIAL 	"ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE UGANCUSED "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED SO THER SIDE "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN					
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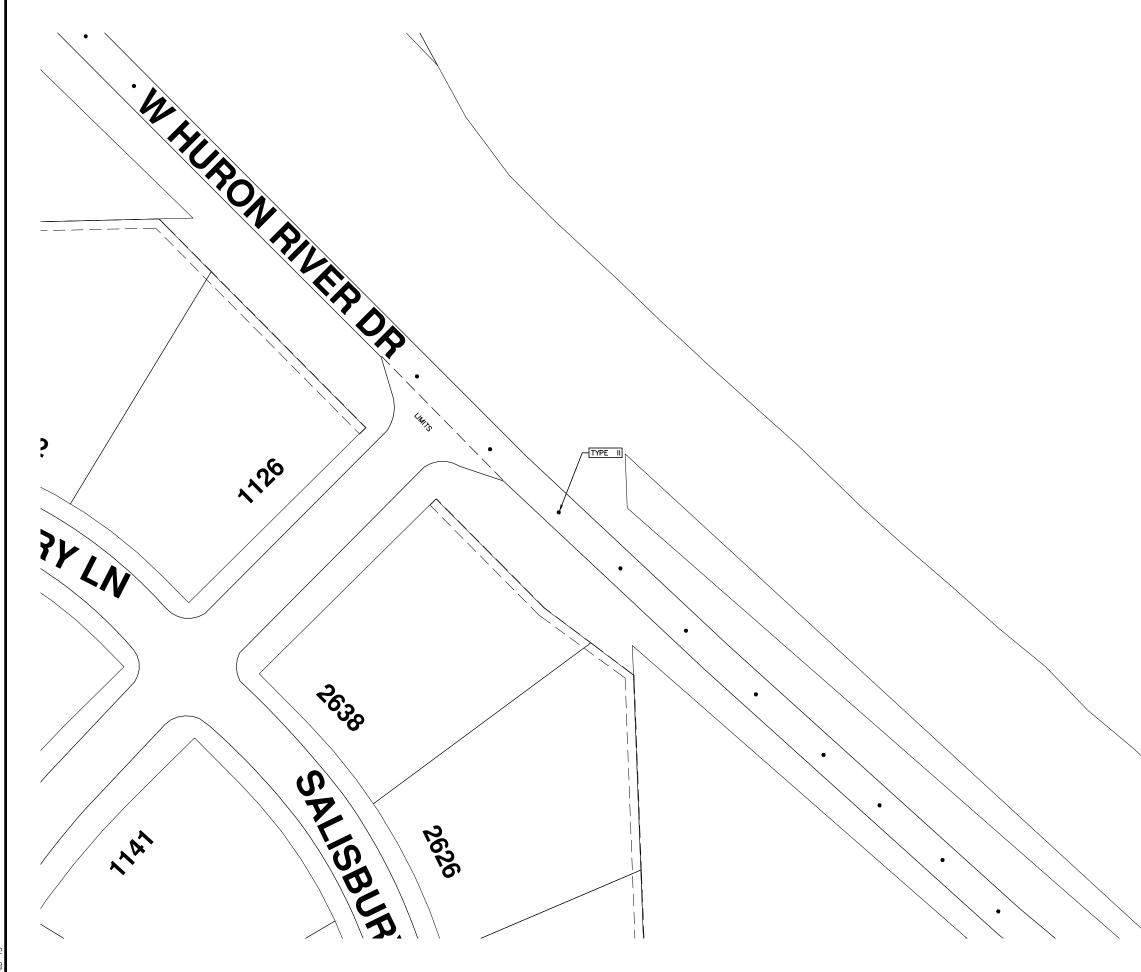
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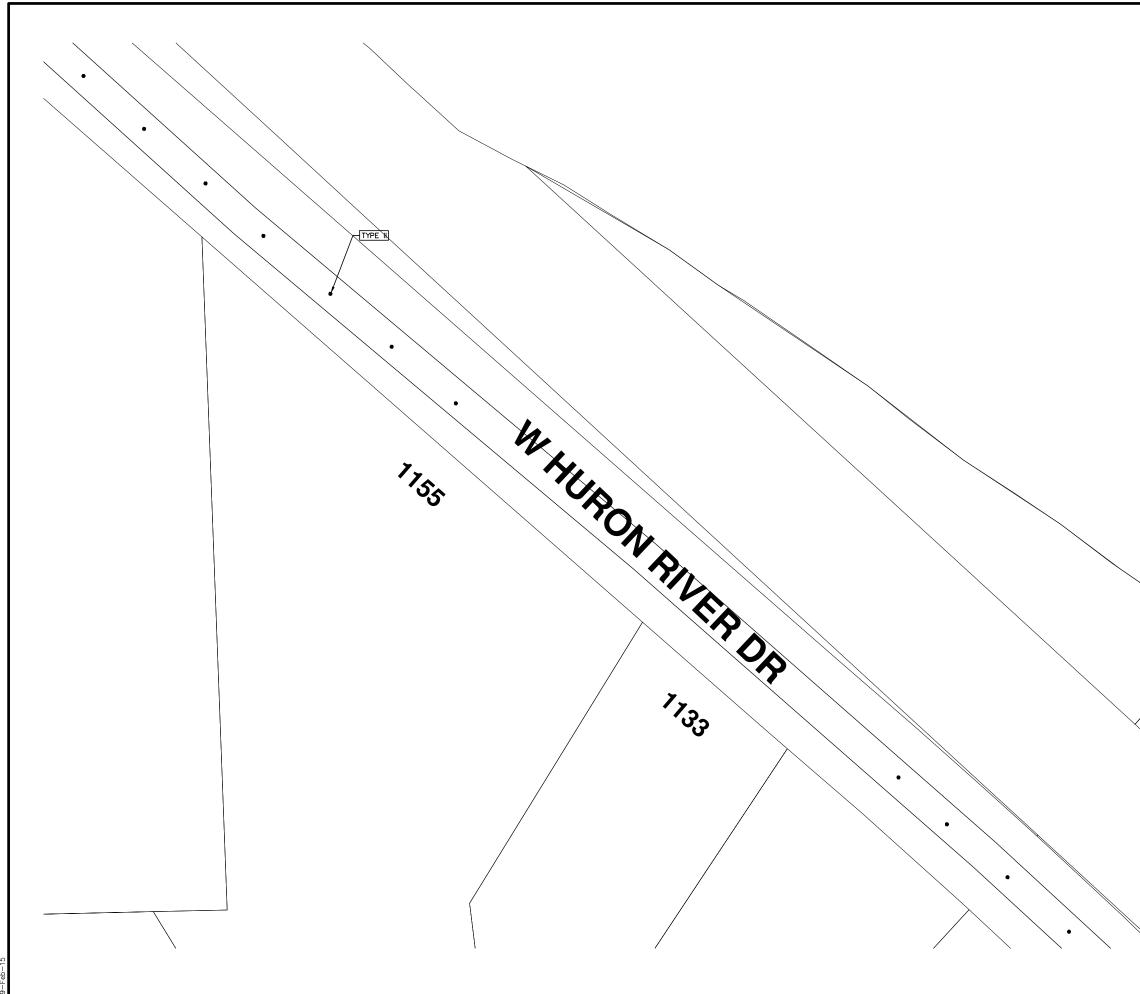
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	M4-10	"DETOUR"	1≳	4	⁻ M
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	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)	19		
	R11-2	"ROAD CLOSED"	1 2		
	R11-4	"ROAD CLOSED TO THRU TRAFFIC"	12		
	TYPE A	LIGHTED ARROW, TYPE A	14		
	TYPE B	LIGHTED ARROW, TYPE B	1E		
	R9-9	SIDEWALK CLOSED	旨		
	R9-11	SIDEWALK CLOSED AHEAD CROSS HERE	Σ		
	R5-9	SIDEWALK CLOSED USE OTHER SIDE	끮		
	G20-2	"END ROAD WORK"	Ĭ₹		
	R5-18b	"INJURE/KILL A WORKER \$7500+15 YEARS"	Z		
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	SPECIAL	42"X48" SPECIAL SIGN	15	ż	.oV
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	R2-1	SPEED LIMIT	١Ľ	SCALE PLAN: Custom	DRAWING No.
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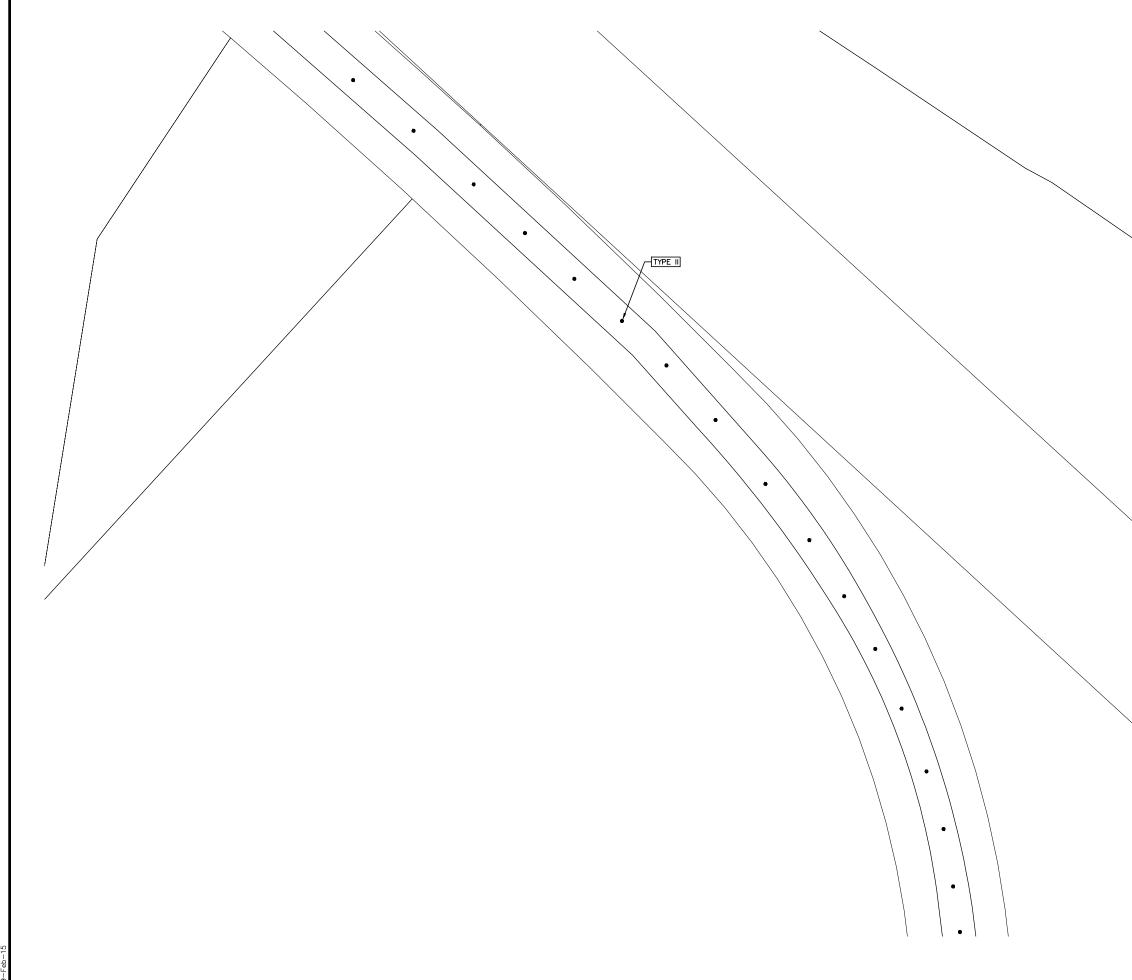


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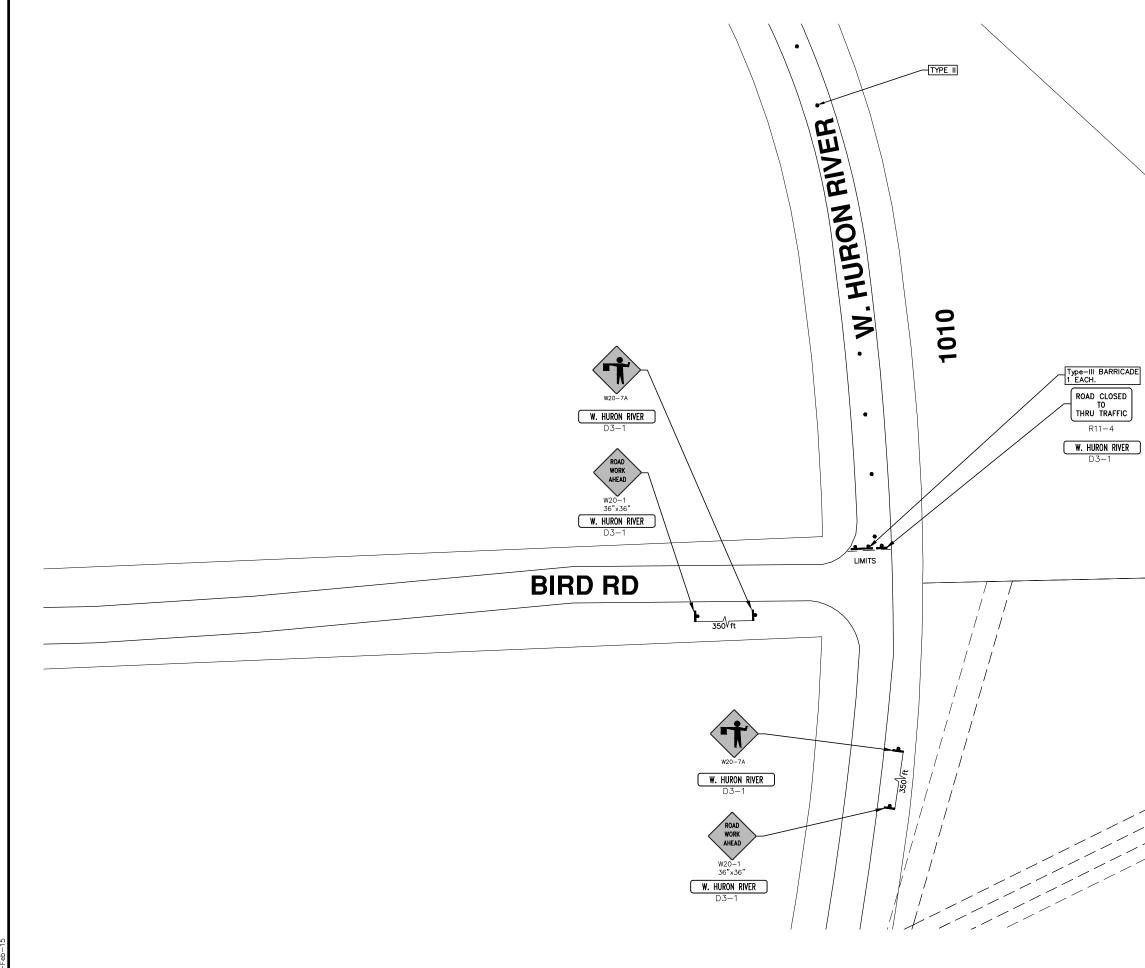
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NT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		W. HURON RIVER DRIVE	MAIN LENANCE OF INAFFIC
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	OF ANN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR OF ANN 2015 ANNUAL RESURFACING OF ANN	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR 2015 ANNUAL RESURFACING	• MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR • ANN • ANN • CITY OF ANN ARBOR • ANN • CITY OF ANN ARBOR • ANN • CITY OF ANN ARBOR • 2015 2015 ANNUAL RESURFACING • ANN • ANN • CITY OF ANN ARBOR • ANN • CITY OF ANN ARBOR • ANN • CITY OF ANN ARBOR • ANN • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF AND ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF AND ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF AND ARBOR • CITY OF ANN ARBOR • CITY OF ANN ARBOR • CITY OF AND ARBOR • CITY OF AND ARBOR • CITY OF AND ARBOR • CITY OF AND ARBOR • CITY OF AND ARB

QTY.	TYPE	DESCRIPTION	lЖ		
	W20-1	"ROAD WORK AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	15	
	W20-2	"DETOUR AHEAD"	1≤	ž	
	W20-3	"ROAD CLOSED AHEAD"	I₹	2015 ANNUAL RESURFACING	
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"	ן₹	A	ш
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT	5		W. HURON RIVER DRIVE MAINTENANCE OF TRAFEIC
	W20-1a	WORK SYMBOL	12	l Do	
	W1-4	REVERSE CURVE	IF	Ш	Ξë
	W1-6	ONE DIRECTION ARROW	υ	1	85
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	1	F	Ő
	D3-1	CONVENTIONAL GUIDE	lШ	Ę	₽É
	M4-8a	"DETOUR ENDS"	2	ź	N N
	M4-10	"DETOUR"	1≳	A	
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)	畄	15	
	TYPE III	TYPE III LIGHTED BARRICADE	S	2	
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)	19		
	R11-2	"ROAD CLOSED"	ᇳ		
	R11-4	"ROAD CLOSED TO THRU TRAFFIC"			
	TYPE A	LIGHTED ARROW, TYPE A	14		
	TYPE B	LIGHTED ARROW, TYPE B	1E		
	R9-9	SIDEWALK CLOSED	旨		
	R9-11	SIDEWALK CLOSED AHEAD CROSS HERE	Σ		
	R5-9	SIDEWALK CLOSED USE OTHER SIDE	18		
	G20-2	"END ROAD WORK"	ĬĂ		
	R5-18b	"INJURE/KILL A WORKER \$7500+15 YEARS"	Z		
	R5-18cLA	"WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	l¥		
	R3-1	NO RIGHT TURN	F	E D	
	R3-2	NO LEFT TURN	l U U	usto	
	SPECIAL	42"X48" SPECIAL SIGN	15	ż	Vo
	W20-5c	"CENTER LANE CLOSED AHEAD"	۱°		DN C
	R2-1	SPEED LIMIT	١Ľ	SCALE PLAN: Custom	DRAWING No.
	TYPE C	LIGHTED ARROW, TYPE C	CUT	ET No.	
	W3-5	REDUCED SPEED LIMIT AHEAD	SHE	ET NO.	

ADDENDUM 1 PLANS 32 OF 83



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οτγ.	TYPE	ONTROL & SIGN LEGEND	BOR AW	A BO		MICHIGKN
<u>ατγ.</u>	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"	ARBOR	NG PROVIDENCE OF		MICHIGHN.
ΩΤΥ.	TYPE	DESCRIPTION	NN ARBOR	CING		
<u>ατγ.</u>	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"		IFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT		URFACING	DRIVE	
	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	TY OF ANN ARBOR	RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW		L RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	S - CITY OF ANN ARBOR	UAL RESURFACING		
<u>ату.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	ICES - CITY OF ANN ARBOR	NNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"	RVICES - CITY OF ANN ARBOR	5 ANNUAL RESURFACING		MAINTENANCE OF TRAFFIC
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	SERVICES - CITY OF ANN ARBOR	015 ANNUAL RESURFACING	W HIIRON RIVER DRIVE	
QTY.	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	IC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	BLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC"	PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	T - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	ENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE I R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED AHEAD CROSS HERE	EMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "CAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "CRICHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE	GEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE I R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED AHEAD CROSS HERE	NAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING		
<u>QTY.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	W HIIBON BIVER DBIVE	
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE A TYPE A R9-9 R9-9 R5-9 G20-2 R5-18b R5-18cLA R3-1	DESCRIPTION "ROAD WORK AHEAD" "CAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED SHERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "NJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	3T MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-18cLA R3-1 R3-2	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "NNJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN	IECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			MAINTENANCE OF TRAFFIC
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE A TYPE A R9-9 R9-9 R5-9 G20-2 R5-18b R5-18cLA R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JSE OTHER SIDE "END ROAD WORK" "NJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	IOJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			MAINTENANCE OF TRAFFIC
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE B R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL W20-5c R2-1	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			MAINTENANCE OF TRAFFIC
QTY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R5-18cLA R3-1 R3-2 SPECIAL W20-5c	DESCRIPTION "ROAD WORK AHEAD" "CAD WORK AHEAD" "CAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "CRIGHT OR LEFT LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SHERE SIDEWALK CLOSED SHERE SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARE	ustom	DRAWING No.	MAINTENANCE OF TRAFFIC

ADDENDUM 1 PLANS 33 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: HURON PKWY

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
TEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	4
207	Cold Miling Pavement	Tons	1700
209	Subgrade Undercutting - Type II	C.Y.	48
220	HMA Patching	Tons	15
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	HMA Pavement Wearing - 5E3	Tons	1700
227	HMA Pavement Base or Leveling - 4E3	Tons	0
230	Rem. Curb & Gutter, Any Type	L.F.	890
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	890
233	Pvmnt. Joint & Crack Repair - Detail 7	Ft.	100
234	Pvmnt. Joint & Crack Repair - Detail 8	Ft.	50
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	890
240	4" Sidewalk or Ramp	S.F.	100
241	6" Drive, Sidewalk or Ramp	S.F.	730
243	8" Drive, Sidewalk or Ramp - High Early	S.F.	12
245	Detectable Warning, Cast in Place	S.F.	130
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	0
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	0
260	Inlet Structure Cover (MDOT K)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	25
271	21AA Limestone - C.I.P.	C.Y.	48
281	Arrow Panel - Furnish & Operate	Each	2
282	Plastic Drum - Lighted - Furn. & Operate	Each	20
283	Barricade Type III - Furn. & Operate	Each	0
284	Temp Signs Type - B	S.F.	202
285	No Parking Sign	Each	0
286	Sign, Portable Changeable Mess. , Furnish	Each	2
287	Sign, Portable Changeable Mess. , Operate	Each	2
295	Tubular Markers, 36", Furn. & Operate	Each	106
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	2820
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	162
598	Pvmt. Marking Symbol	Each	28

TRAFFIC CONTROL & SIGN LEGEND			
QTY.	TYPE	DESCRIPTION	
7	W20-1	"ROAD WORK AHEAD"	
7	W20-7a	"FLAGGER IMAGE"	
10	D3-1	CONVENTIONAL GUIDE	
0	TYPE III	TYPE III LIGHTED BARRICADE	
0	R11-4	Road Closed to Thru Traffic	
0	TYPE II	TYPE II BARRICADE DRUM	

CONSTRUCTION METHOD AND SEQUENCING

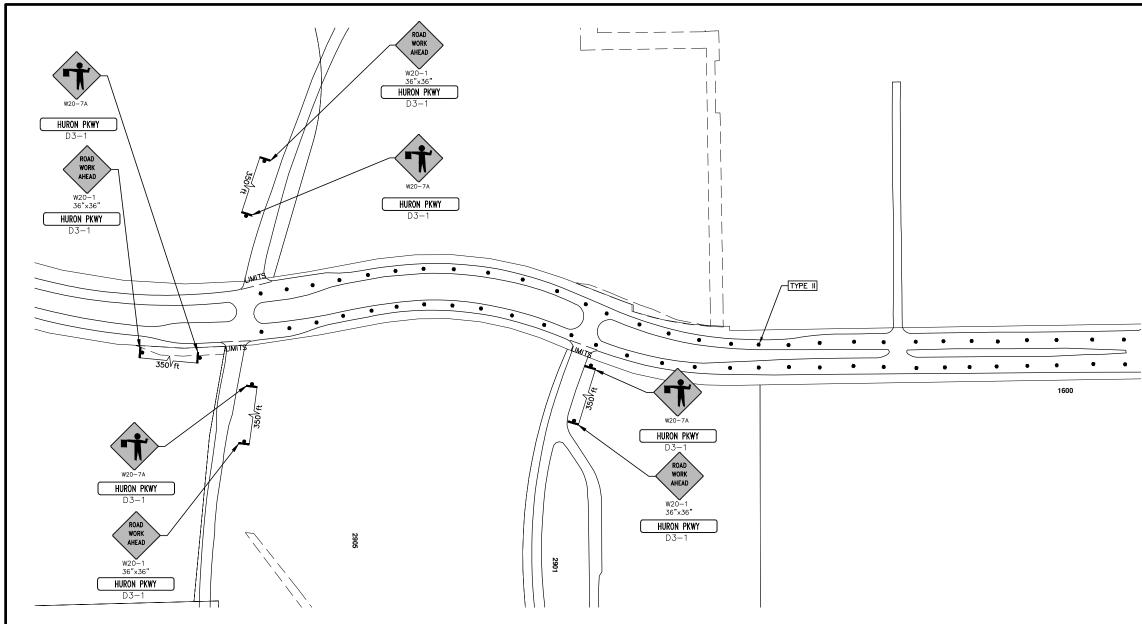
- 1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
- 2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 3. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- MILL 1.5 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.
- 5. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 6. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
- 7. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN
- 8. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 9. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 10. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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IOTES: HE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT TANDARD SPECIFICATIONS AND IT'S DETAILS WHICH ARE INCLUDED BY EFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES OT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK TALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT JELIC SERVICES STANDARD SPECIFICATIONS AND DETAILS. OR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH JBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS.			
UNDAYS, AND HOLDAYS PRIOR TO BEGINNING EACH EXCAVATION IN REAS WHERE PUBLIC UTLITES HAVE NOT BEEN PREVIOUSLY LOCATED. EMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE HE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS HO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. HE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), ELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND BER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN RBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE PERSENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR D CONSTRUCTION TO LOCATE THESE UTILITIES.	NAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	PROJECT DESCRIPTION 2015 ANNUAL RESURFACING	HURON PKWY
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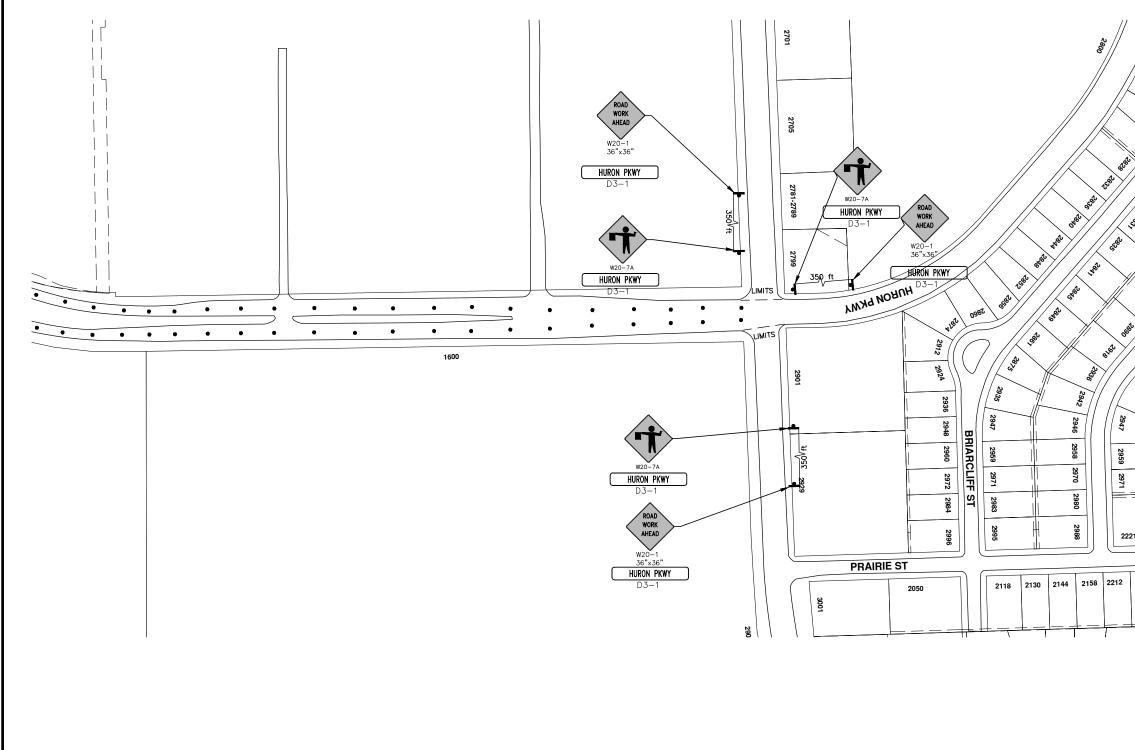
ADDENDUM 1 PLANS 34 OF 83

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QTY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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



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<u>этү.</u>	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"		FACING	0.0	
ату. 	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT				
2TY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"				JKWY
2TY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW				ON PKWY
ЭТY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)				
ЭТҮ. 	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW				
<u>атү.</u>	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"				HURON PKWY
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)		015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE		2015 ANNUAL RESURFACING		
2TY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)		2015 ANNUAL RESURFACING		
2TY.	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A		2015 ANNUAL RESUBFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE		2015 ANNUAL RESUBFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-911 R5-18b R5-18cLA R3-1 R3-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN		2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN 42"X48" SPECIAL SIGN		Alt Custom 2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-911 R5-18b R5-18cLA R3-1 R3-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN		LE PLAN: Gustom 2015 ANNUAL RESURFACING		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE B R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bLA R3-1 R3-1 R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" UARE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN A	2015 ANNUAL RESURFACING		

ADDENDUM 1 PLANS 36 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: DHU VARREN ROAD

ITB No. 4371 FILE No. 2015-004

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	QUANTITIES			
ITEM #	DESCRIPTION	Units	Total	
207	Cold Miling Pavement	Tons	1370	
209	Subgrade Undercutting - Type II	C.Y.	270	
222	HMA Pavement Leveling, Regular	Tons	0	
223	HMA Pavement Wearing, Regular	Tons	0	
226	HMA Pavement Wearing - 5E3	Tons	1370	
227	Bit. Pvmnt. Base or Leveling - 4E3	Tons	1370	
230	Rem. Curb & Gutter, Any Type	L.F.	110	
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	430	
233	Pvmnt. Joint & Crack Repair - Detail 7	Ft.	150	
234	Pvmnt. Joint & Crack Repair - Detail 8	Ft.	100	
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	110	
240	4" Sidewalk or Ramp	S.F.	50	
241	6" Drive, Sidewalk or Ramp	S.F.	380	
245	Detectable Warning, Cast in Place	S.F.	80	
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0	
250	2' Dia. Structure	Each	0	
254	Lower Structure Cover	Each	0	
255	Lower Mon./Gate Valve Box	Each	0	
256	Adjust Structure Cover	Each	0	
257	Adjust Curb Inlet Structure Cover	Each	0	
258	Adjust Mon. or Gate Valve Box	Each	0	
259	Manhole Flange & Cover (MDOT Type A)	Each	0	
261	Pt. Drain Structures	Each	0	
268	Flowable Fill	C.Y.	4	
264	12" Sewer, Trench Detail I, Modified	L.F.	0	
271	21AA Limestone - C.I.P.	C.Y.	270	
276	Remove Raised Pavement Marker	Each	63	
282	Plastic Drum - Lighted - Furnish & Operate	Each	40	
283	Barricade Type III - Furnish & Operate	Each	5	
284	Temp Signs Type - B	S.F.	253	
285	No Parking Sign	Each	0	
286	Sign, Portable Changeable Mess. Furnish	Each	2	
287	Sign, Portable Changeable Mess. Operate	Each	2	
295	Tubular Markers, 36", Furnish & Operate	Each	90	
590	Thermo. Pvmt. Mkg. Railroad Symbol	Each	1	
592	12" Thermo. White or Yellow	L.F.	90	
594	4" White Thermo.	L.F.	94	
595	4" Yellow Thermo.	L.F.	7796	
596	6" White Thermo.	L.F.	8473	
597	24" White Thermo.	L.F.	431	
599	Cold Plastic Bike Symbol W/ Arrow or Sharrow	Each	8	

QUANTITIES

	TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION	
5	W20-1	"ROAD WORK AHEAD"	
5	W20-7A	"FLAGER IMAGE"	
17	D3-1	CONVENTIONAL GUIDE	
2	TYPE III	TYPE III LIGHTED BARRICADE	
2	R11-4	Road Closed to Thru Traffic	
0	TYPE II	TYPE II BARRICADE DRUM	

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 3. DIRECTED BY THE ENGINEER.
- 4. REMOVE RAISED PAVEMENT MARKERS FROM THE EXISTING ROADWAY.
- MILL 1.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 5. ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
- 6. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- 7. PAVE 1.5 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
- 8. PAVE 1.5 INCH OVERLAY OF BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT
- 9. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEEF
- 10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION
- 11. 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 IT'S 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.

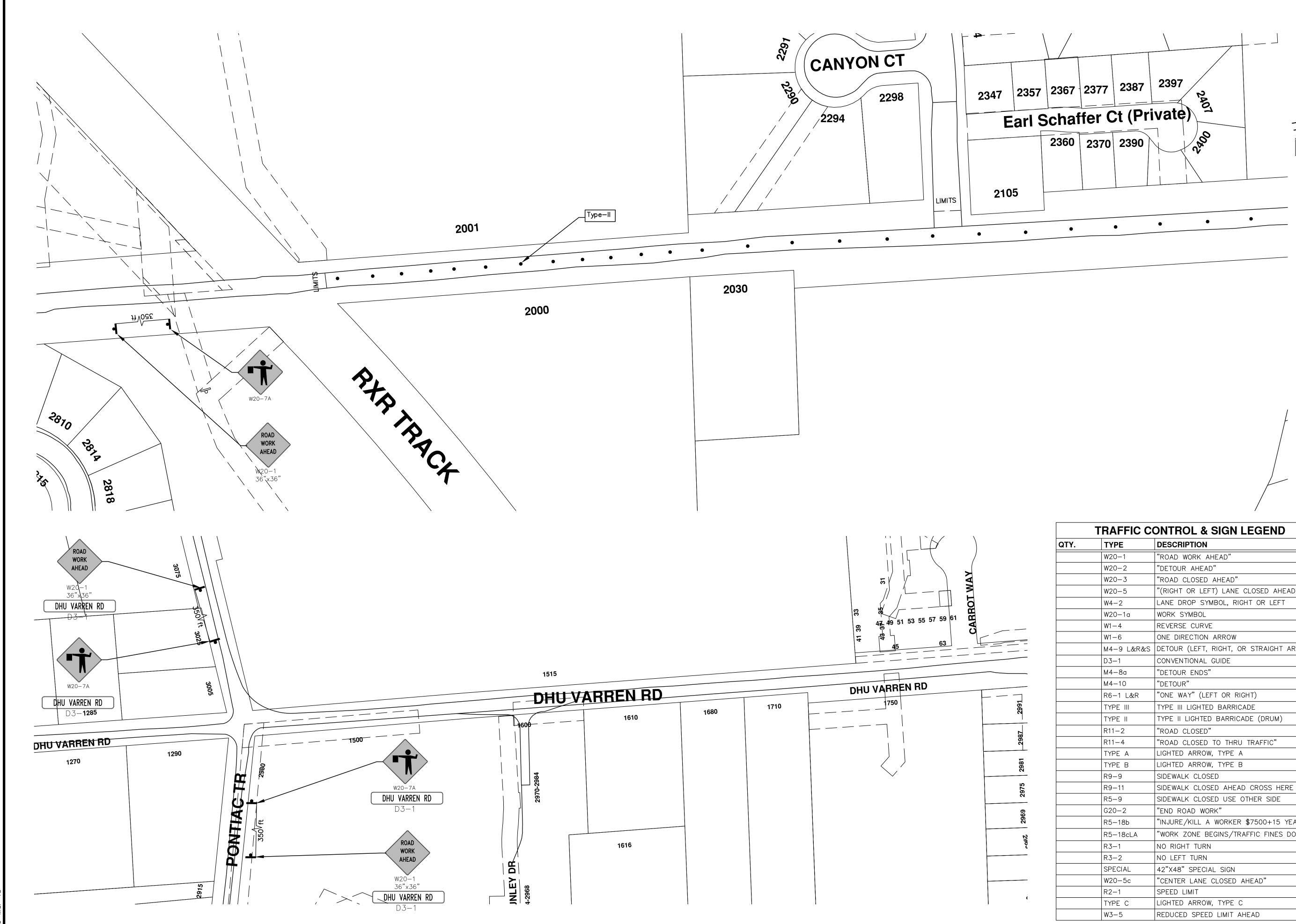
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, A MINIMUM OF INREE FOLL WORKING DATS, EACLODING SAUNDATS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNIG EACH EXCAVATION IN 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 NOTIFING 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.

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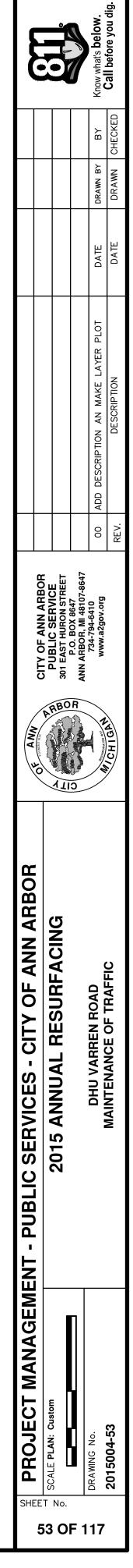


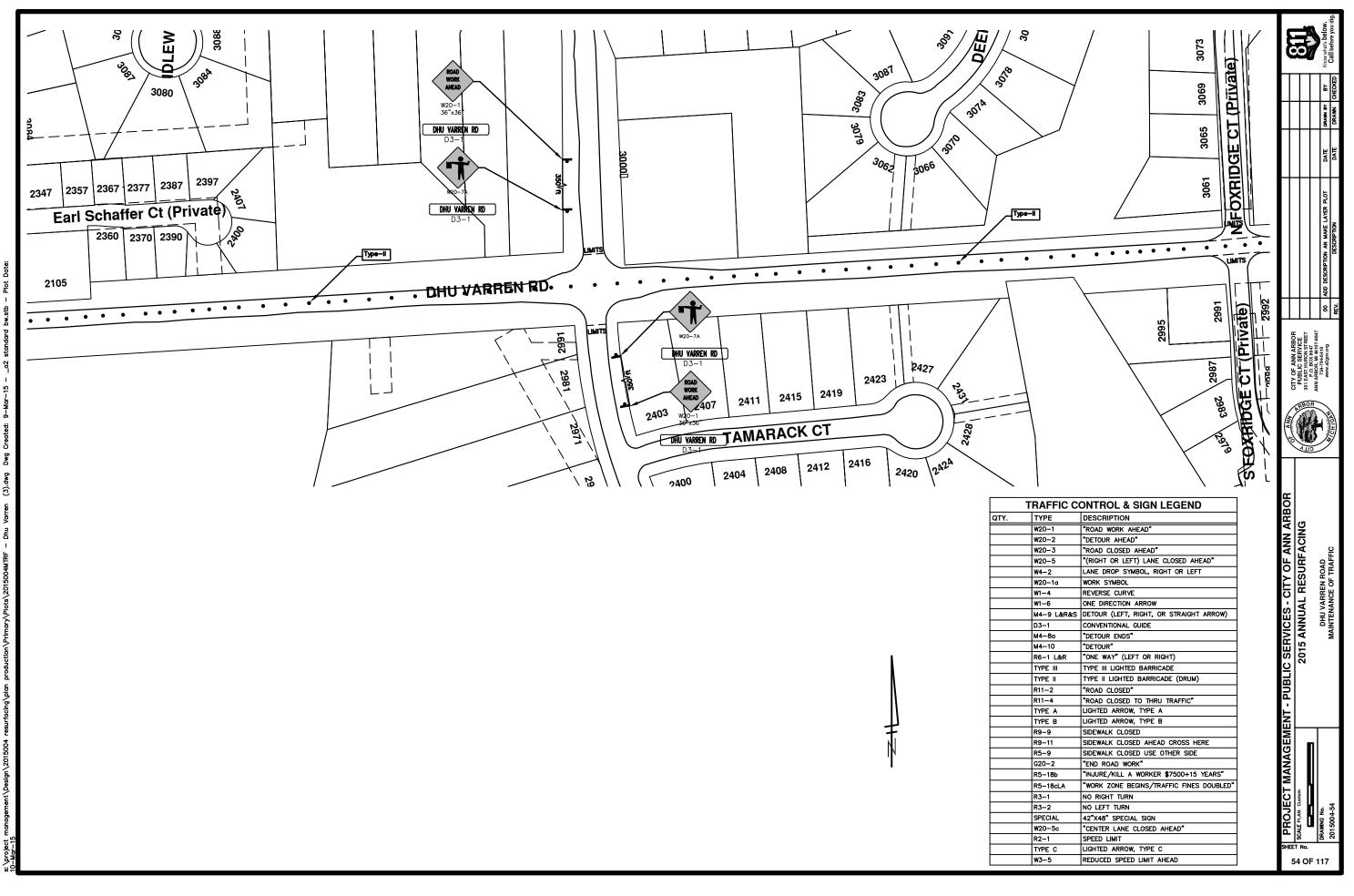
PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org



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-	TRAFFIC CONTROL & SIGN LEGEND			
QTY.	ТҮРЕ	DESCRIPTION		
	W20-1	"ROAD WORK AHEAD"		
	W20-2	"DETOUR AHEAD"		
	W20-3	"ROAD CLOSED AHEAD"		
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"		
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT		
	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		





ADDENDUM 1 PLANS 39 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: DEPOT STREET

ITB No. 4371 FILE No. 2015-004

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	75
207	Cold Miling Pavement	Tons	1310
209	Subgrade Undercutting - Type II	C.Y.	650
220	HMA Patching	Tons	9
222	HMA Pavement Leveling, Regular	Tons	0
223	HMA Pavement Wearing, Regular	Tons	0
226	Bit. Pvmnt. Wearing, 4E3	Tons	560
227	Bit. Pvmnt. Base/Leveling, 5E3	Tons	750
230	Rem. Curb & Gutter, Any Type	L.F.	1790
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	830
233	Pvmt. Joint Repair - Detail 7	FT.	200
234	Pvmt. Joint Repair - Detail 8	FT.	100
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1620
238	Conc. Curb & Gutter H.E.	L.F.	180
240	4" Sidewalk or Ramp	S.F.	490
241	6" Drive, Sidewalk or Ramp	S.F.	460
242	6" S/W, Drive App. H.E.	S.F.	120
245	Detectable Warning, Cast in Place	S.F.	20
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	1
254	Lower Structure Cover	Each	16
255	Lower Mon./Gate Valve Box	Each	18
256	Adjust Structure Cover	Each	16
257	Adjust Curb Inlet Structure Cover	Each	9
258	Adjust Mon. or Gate Valve Box	Each	18
259	Manhole Flange & Cover (MDOT Type A)	Each	10
260	Inlet Structure Cover (MDOT K)	Each	1
264	12" Sewer, Trench Detail I, Modified	L.F.	10
267	6" Wrapped Underdrain	L.F.	400
268	Flowable Fill	С.Ү.	50
271	21AA Limestone - C.I.P.	C.Y.	650
281	Arrow Panel, Furn. & Operate	Each	1
282	Plastic Drum - Lighted - Furnish & Operate	Each	70
283	Barricade Type III - Furnish & Operate	Each	0
284	Temp Signs Type - B	S.F.	494
285	No Parking Sign	Each	20
592	12" Thermo. White or Yellow	L.F.	256
594	4" White Thermo.	L.F.	131
595	4" Yellow Thermo.	L.F.	2958
596	6" White Thermo.	L.F.	1580
597	24" White Thermo.	L.F.	114
598	Pvmt. Marking Symbol	Each	6
599	Cold Plastic Bike Symbol W/ Arrow or Sharrow	Each	8

	TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION	
6	W20-1	"ROAD WORK AHEAD"	
6	W20-7a	"FLAGER IMAGE"	
15	D3-1	CONVENTIONAL GUIDE	
0	TYPE III	TYPE III LIGHTED BARRICADE	
4	R11-4	Road Closed to Thru Traffic	
0	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.
- MILL 3.5 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.
- 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 1.5 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 FINGINEER.
- 13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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NOTES:

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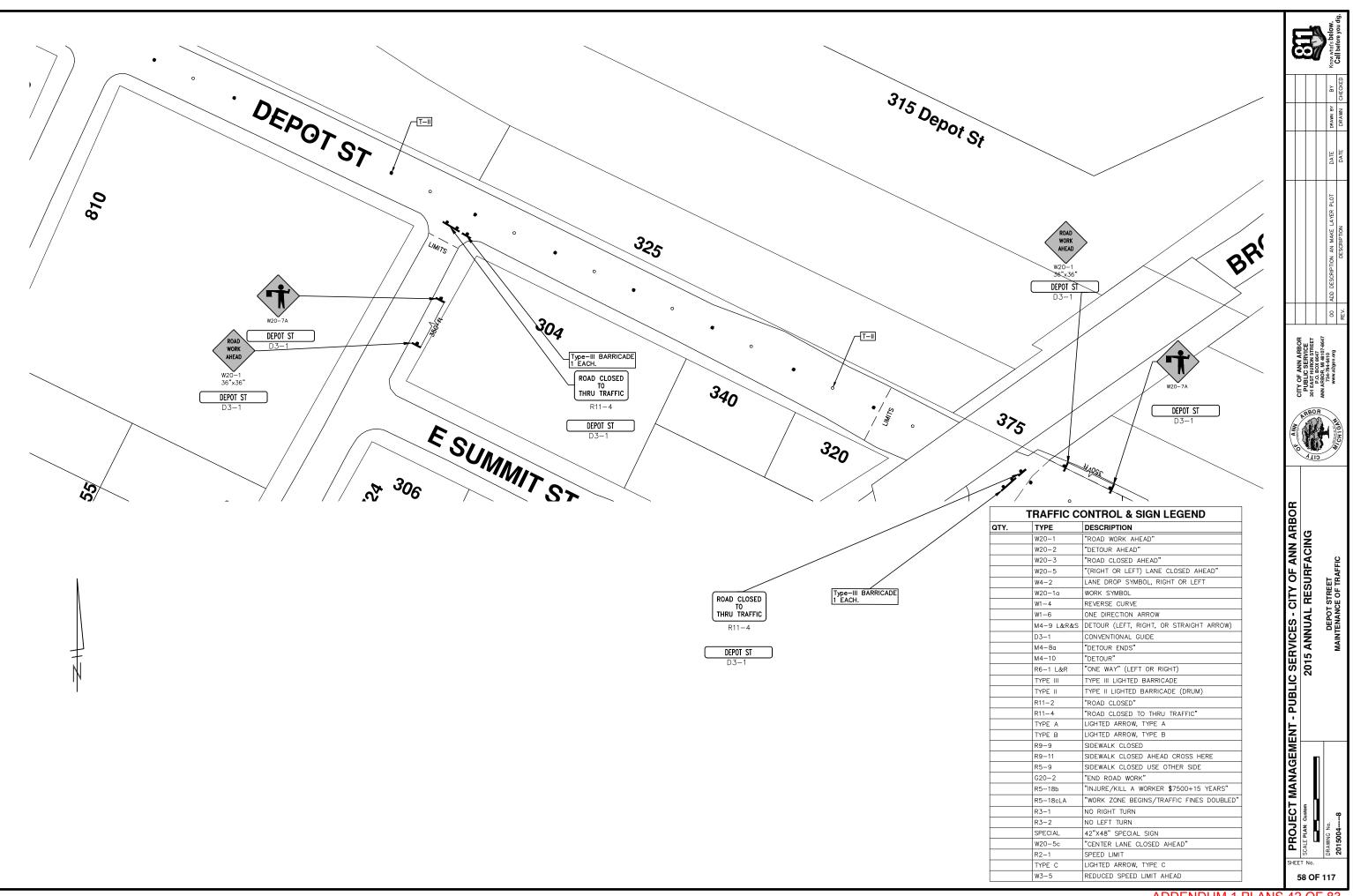


PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET, P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org



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TY.	TYPE	DESCRIPTION
	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	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



ADDENDUM 1 PLANS 42 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: N. THAYER STRE

ITB No. 4371 FILE No. 2015-004

ITEM #	DESCRIPTION	Units	Tota
206	Remove HMA Pavement	S.Y.	0
207	Cold Miling Pavement	Tons	1560
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	1120
220	HMA Patching	Tons	0
221	Bit. Finish Wedging	Tons	12
222	HMA Pavement Leveling, Regular	Tons	1000
223	HMA Pavement Wearing, Regular	Tons	570
230	Rem. Curb & Gutter, Any Type	L.F.	940
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	3810
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	910
238	Conc. Curb & Gutter - Any Type - High Early	L.F.	30
240	4" Sidewalk or Ramp	S.F.	2210
241	6" Drive, Sidewalk or Ramp	S.F.	1425
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	105
245	Detectable Warning, Cast in Place	S.F.	290
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	17
255	Lower Mon./Gate Valve Box	Each	3
256	Adjust Structure Cover	Each	17
257	Adjust Curb Inlet Structure Cover	Each	20
258	Adjust Mon. or Gate Valve Box	Each	3
259	Manhole Flange & Cover (MDOT Type A)	Each	3
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	0
271	21AA Limestone - C.I.P.	C.Y.	1120
282	Plastic Drum - Lighted - Furn. & Operate	Each	54
283	Barricade Type III - Furn. & Operate	Each	10
284	Temp Signs Type - B	S.F.	701
285	No Parking Sign	Each	38
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	955
597	24" White Thermo.	L.F.	123
598	Pvmt. Marking Symbol	Each	0

TRAFFIC CONTROL & SIGN LEGEND			
QTY.	ТҮРЕ	DESCRIPTION	
12	W20-1	"ROAD WORK AHEAD"	
12	W20-3	"ROAD CLOSED AHEAD"	
24	D3-1	CONVENTIONAL GUIDE	
10	TYPE III	TYPE III LIGHTED BARRICADE	
10	R11-4	Road Closed to Thru Traffic	
0	TYPE II	TYPE II BARRICADE DRUM	

CONSTRUCTION METHOD AND SEQUENCING

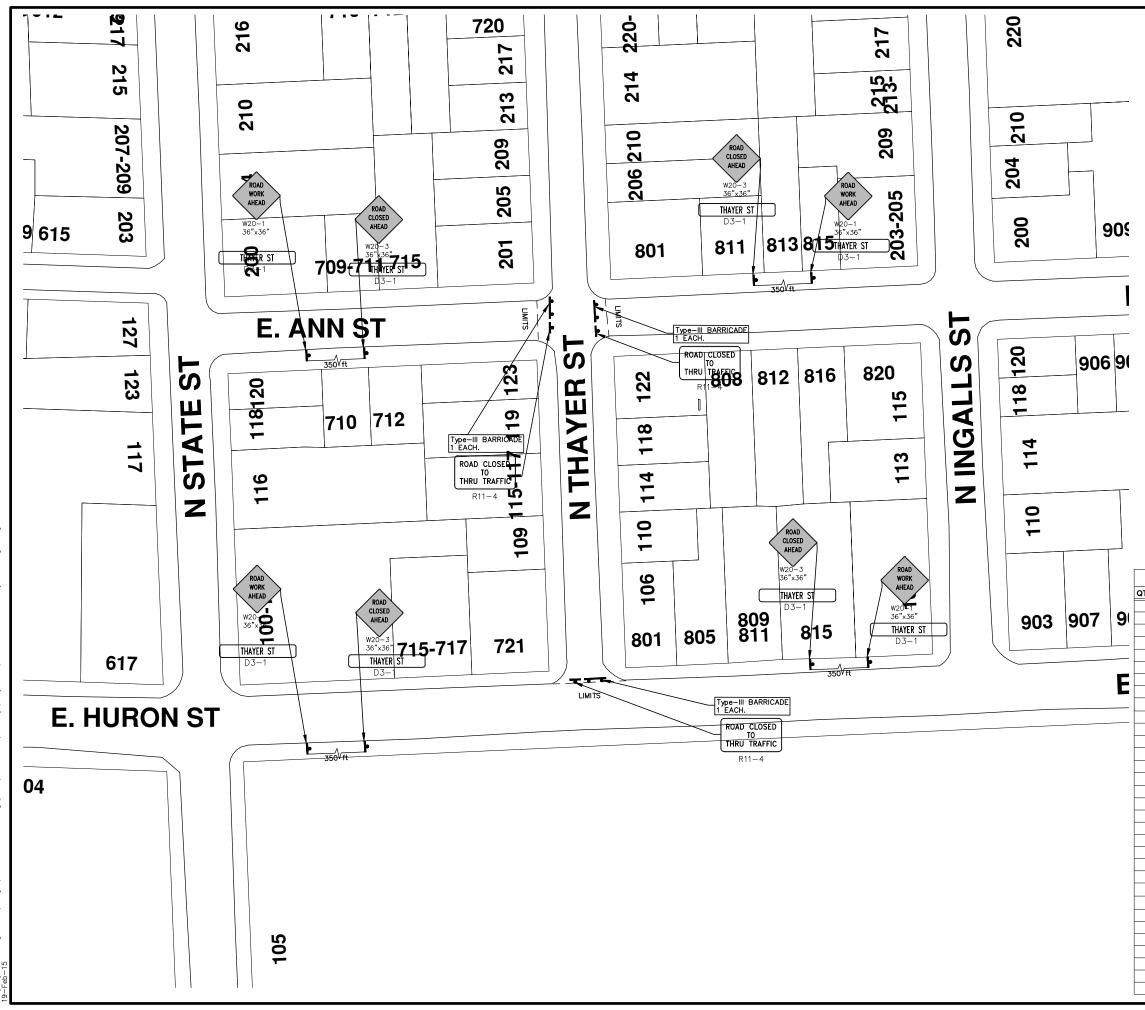
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- 2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS. AND AS DIRECTED BY THE ENGINEER.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 4. LOWER ALL STRUCTURE COVERS. INCLUDING VALVE AND MONUMENT BOXES.
- 5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- MILL 3.5 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 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 1.5 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
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- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS

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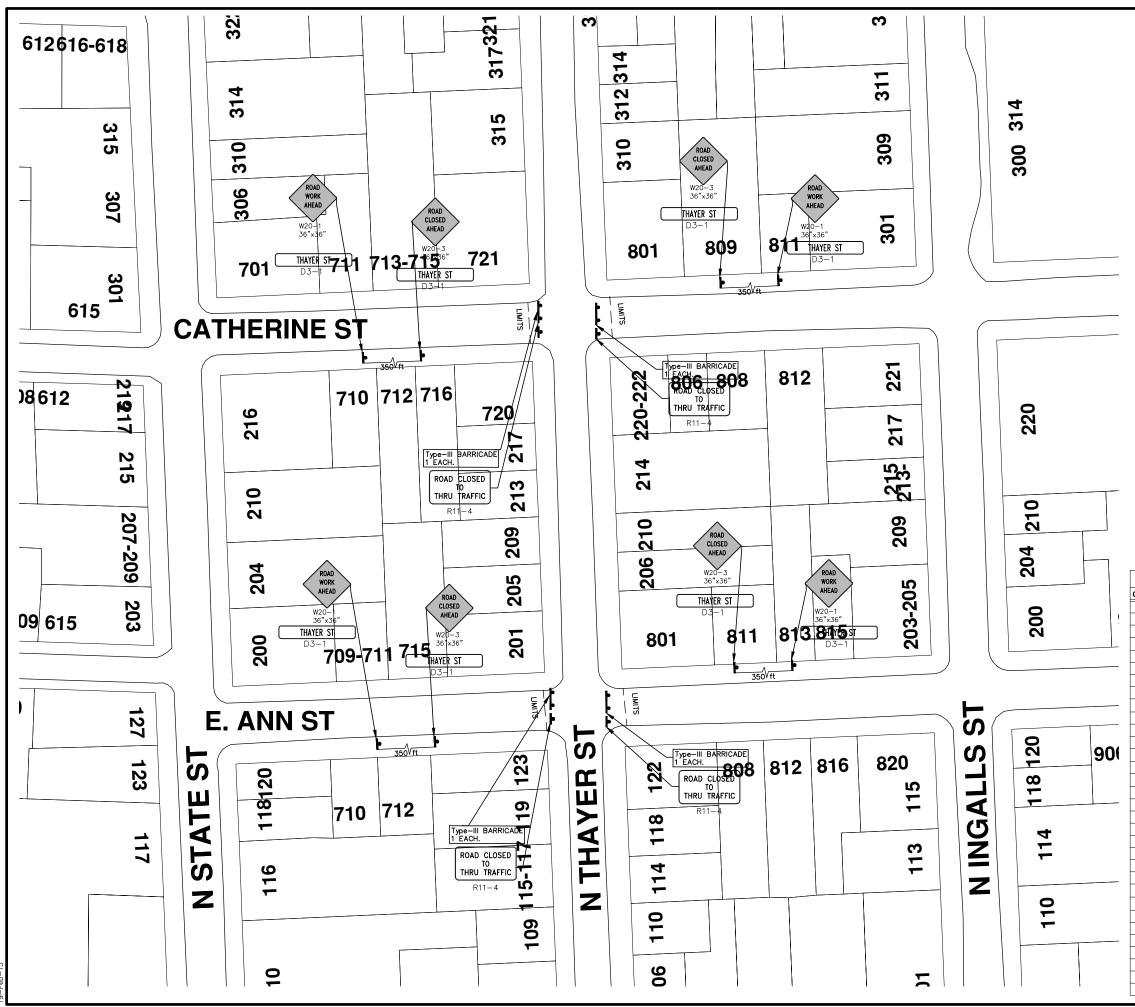
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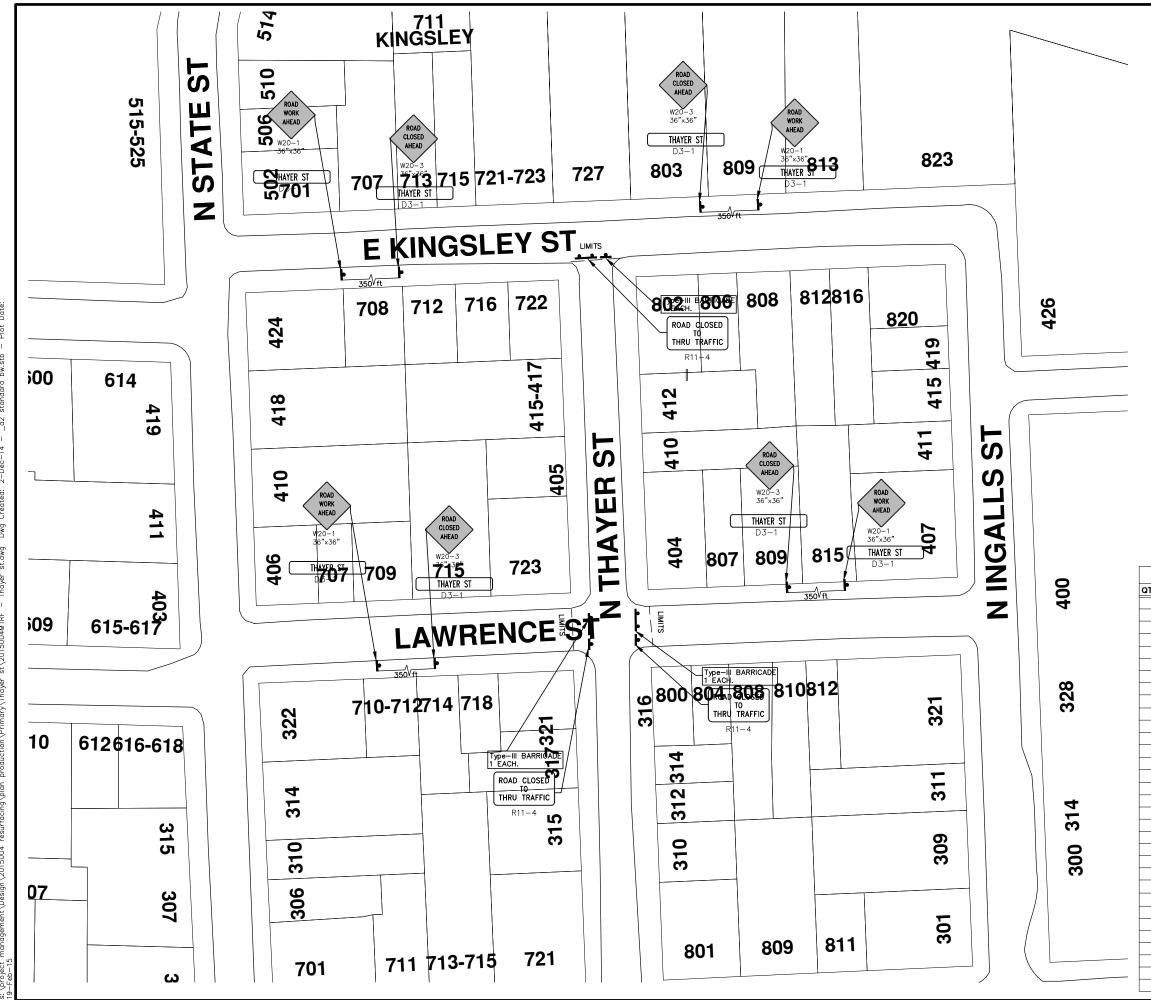
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PROJECT MANAGEME	SCALE PLAN: Custom		IKAWING No.	015004-64

	TRAFFIC C	ONTROL & SIGN LEGEND
TY.	TYPE	DESCRIPTION
4	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
4	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
4	D3-1	CONVENTIONAL GUIDE
-	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
3	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
3	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



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	TRAFFIC CONTROL & SIGN LEGEND				
QTY.	TYPE	DESCRIPTION			
4	W20-1	"ROAD WORK AHEAD"			
	W20-2	"DETOUR AHEAD"			
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	W20-1a	WORK SYMBOL			
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	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)			
4	TYPE III	TYPE III LIGHTED BARRICADE			
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)			
	R11-2	"ROAD CLOSED"			
4	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"			
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	R3-1	NO RIGHT TURN			
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	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			



				00 ADD DESCRIPTION AN MAKE LAYER PLOT DATE DRAWN BY BY Know what's below.	DESCRIPTION DATE DRAWN CHECKED Call before you dig.
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MANAGEMENT -		SCALE PLAN: Custom			

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QTY.	TYPE	DESCRIPTION			
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	W1-6	ONE DIRECTION ARROW			
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)			
4	D3-1	CONVENTIONAL GUIDE			
	M4-8a	"DETOUR ENDS"			
	M4-10	"DETOUR"			
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)			
3	TYPE III	TYPE III LIGHTED BARRICADE			
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)			
	R11-2	"ROAD CLOSED"			
3	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			



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: LINWOOD AVENU

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	17
207	Cold Miling Pavement	Tons	620
209	Subgrade Undercutting - Type II	C.Y.	340
220	HMA Patching	Tons	7
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	410
223	HMA Pavement Wearing, 36A	Tons	210
230	Rem. Curb & Gutter, Any Type	L.F.	940
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	1640
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	790
238	Conc. Curb & Gutter H.E.	L.F.	150
240	4" Sidewalk or Ramp	S.F.	670
241	6" Drive, Sidewalk or Ramp	S.F.	520
242	6" S/W, Drive App. H.E.	S.F.	410
245	Detectable Warning, Cast in Place	S.F.	150
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	60
250	2' Dia. Structure	Each	9
252	Reconstruct Structure	Each	1
254	Lower Structure Cover	Each	12
255	Lower Mon./Gate Valve Box	Each	7
256	Adjust Structure Cover	Each	12
257	Adjust Curb Inlet Structure Cover	Each	10
258	Adjust Mon. or Gate Valve Box	Each	7
259	Manhole Flange & Cover (MDOT Type A)	Each	12
264	12" Sewer, Trench Detail I, Modified	L.F.	90
268	Flowable Fill	C.Y.	26
271	21AA Limestone - C.I.P.	C.Y.	340
282	Plastic Drum - Lighted - Furn. & Operate	Each	50
283	Barricade Type III - Furn. & Operate	Each	6
284	Temp Signs Type - B	S.F.	387
285	No Parking Sign	Each	35
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	466
597	24" White Thermo.	L.F.	48
598	Pvmt. Marking Symbol	Each	0
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	TRAFFIC CONTROL & SIGN LEGEND		
QTY.	ТҮРЕ	DESCRIPTION	
8	W20-1	"ROAD WORK AHEAD"	
8	W20-3	"ROAD CLOSED AHEAD"	
14	D3-1	CONVENTIONAL GUIDE	
6	TYPE III	TYPE III LIGHTED BARRICADE	
6	R11-4	Road Closed to Thru Traffic	
0	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 3 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 INCH 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 FINGINFER
- 13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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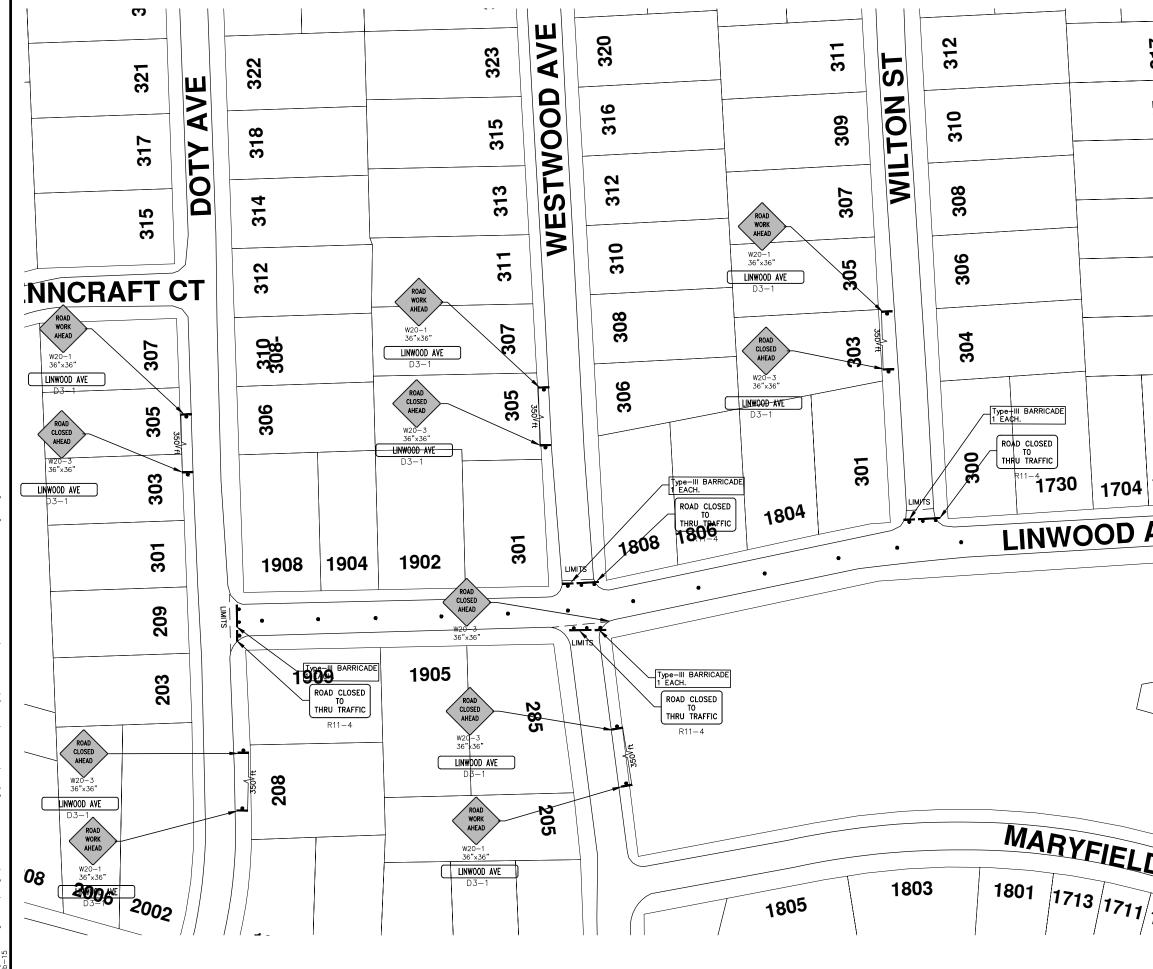
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ADDENDUM 1 PLANS 47 OF 83

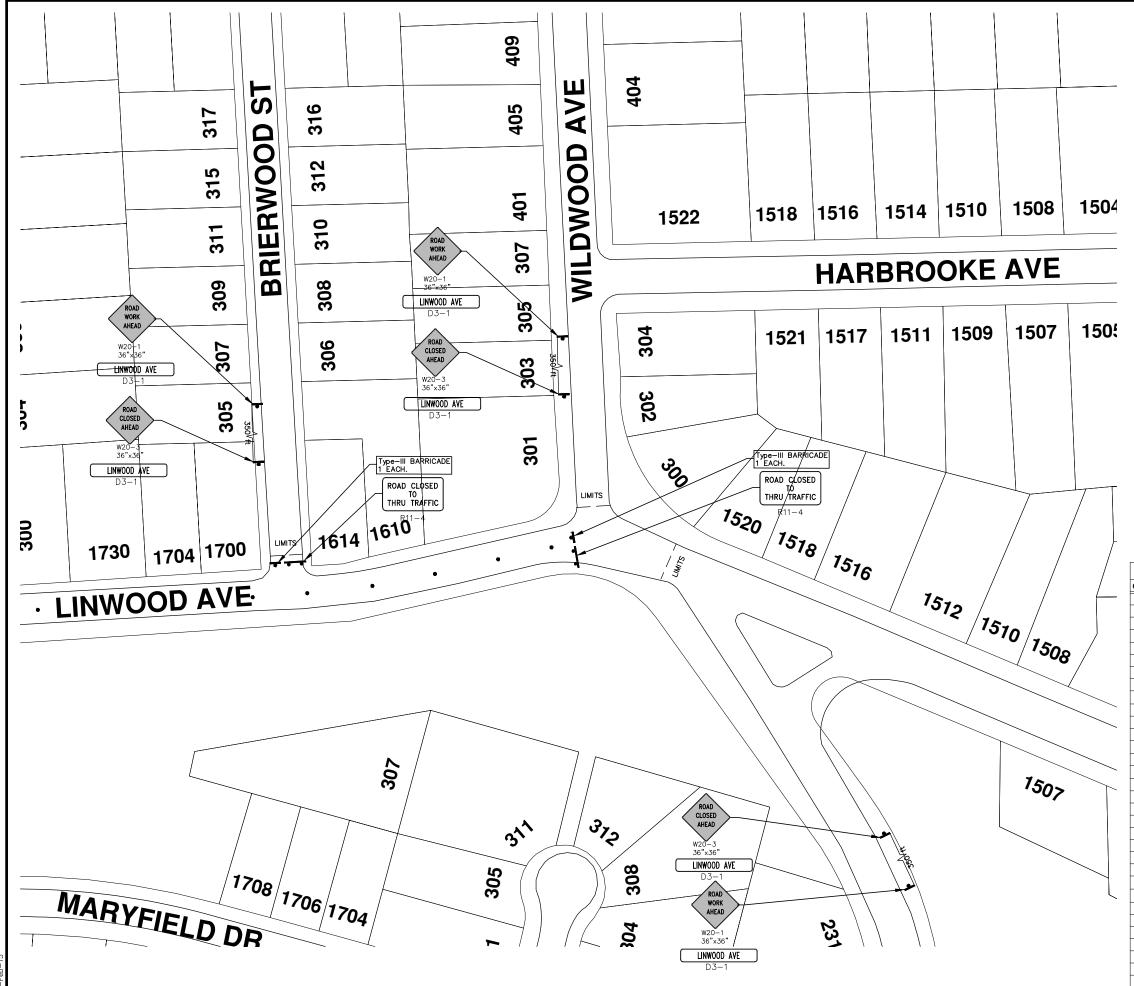
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	TRAFFIC C	ONTROL & SIGN LEGEND	BOR OF AW	ARBO	
QTY.	TYPE	DESCRIPTION	ARBOR OF ANN		
<u>ату.</u> 5	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"			
5	TYPE W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD"			
	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"	DF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT			
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL	SITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE	- CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL	ES - CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	VICES - CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"	ERVICES - CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	LIC SERVICES - CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM)	JBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	- PUBLIC SERVICES - CITY OF ANN ARBOR		
5	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM)	IT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B	ENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "IGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	EMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE I R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE	AGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "IGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	NAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED ANEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE	MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE S	3T MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R2-11 R5-9 G20-2 R5-18bL R3-1	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK STMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	IECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "BIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN	OJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-911 R5-18b R5-18cLA R3-1 R3-2	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK STMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE N TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL R3-1 R3-2 SPECIAL W20-5c	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED SIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X44" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARE	SCALE PLAN: CLASON 2015 ANNUAL RESURFACING	DRAWNG No.
5 5 5 4	TYPE W20-1 W20-2 W20-3 W20-10 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R0-11 R5-9 G20-2 R5-18bLA R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO RIGHT TURN 42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARE	SCALE PLAN: CUSTOM 2015 ANNUAL RESURFACING	DRAWNG No.

ADDENDUM 1 PLANS 48 OF 83



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	TRAFFIC C	ONTROL & SIGN LEGEND
ATY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
3	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
3	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
2	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
2	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

ADDENDUM 1 PLANS 49 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: BRIERWOOD STREET**

ITB No. 4371 FILE No. 2015-004

ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	30
207	Cold Miling Pavement	Tons	310
208	Cold Mill Pavement, Curb Reveal	Tons	13
209	Subgrade Undercutting - Type II	C.Y.	160
220	HMA Patching	Tons	4
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	180
223	HMA Pavement Wearing, Regular	Tons	140
230	Rem. Curb & Gutter, Any Type	L.F.	450
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	580
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	450
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	580
245	Detectable Warning, Cast in Place	S.F.	20
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	2
254	Lower Structure Cover	Each	5
255	Lower Mon./Gate Valve Box	Each	1
256	Adjust Structure Cover	Each	5
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	1
259	Manhole Flange & Cover (MDOT Type A)	Each	4
264	12" Sewer, Trench Detail I, Modified	L.F.	20
268	Flowable Fill	C.Y.	13
271	21AA Limestone - C.I.P.	C.Y.	160
282	Plastic Drum - Lighted - Furn. & Operate	Each	23
283	Barricade Type III - Furnish & Operate	Each	2
284	Temp Signs Type - B	S.F.	173
285	No Parking Sign	Each	16
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	22
598	Pvmt. Marking Symbol	Each	0

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
4	W20-1	"ROAD WORK AHEAD"
5	W20-3	"ROAD CLOSED AHEAD"
4	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
2	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. 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.
- MILL 3.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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 1.5 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 IT'S 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, A MINIMUM OF INREE FOLL WORKING DATS, EACLODING SAUNDATS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNIG 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 NOTIFING 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.

SHEE	PROJECT MANAGEME	ENT - PUBLIC	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
T No.		PROJECT DESCRIPTION	2015 ANNUAL RESURFACING
	DRAWING No.		BRIERWOOD STREET
-	2015004 - 70		

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

ADDENDUM 1 PLANS 50 OF 83



Date:

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ату. 4			OR		
	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"	OR		
<u>ατγ.</u> 4	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	OR		
	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"	OR		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE	OR		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	OR		
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	OR		
	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	OR		
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"	OR		
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	OR		
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS"	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "REVENDED AND CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	OR		
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "REVENSE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "REVENSE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE IX R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "RENDER AT AN AND AND AND AND AND AND AND AND AND	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE IX R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "RENDER AT AND CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"	OR		
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bLA R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "READ" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	OR	2015 ANNUAL RESURFACING	
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 G20-2 R5-18b R3-1 R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED DUE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN	OR	2015 ANNUAL RESURFACING	BRIERWOOD STREET MAINTENANCE OF TRAFEIC
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bLA R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "READ" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED JUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	OR	2015 ANNUAL RESURFACING	BRIERWOOD STREET
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE R R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL R3-1 R3-1 R3-1 R3-2 SPECIAL W20-5c	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED SIDEWALK CLOSED USE OTHER SIDE "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	OR	2015 ANNUAL RESURFACING	BRIERWOOD STREET MAINTENANCE OF TRAFEIC
4 5 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE IIR R11-2 R11-4 TYPE A TYPE B R9-9 R20-2 R5-18bL R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED SIDEWALK CLOSED SIDEWALK CLOSED USE OTHER SIDE "IDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO RIGHT TURN 42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	2015 ANNUAL RESURFACING	

ADDENDUM 1 PLANS 51 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: JEWETT AVENUE

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	81
207	Cold Miling Pavement	Tons	1260
209	Subgrade Undercutting - Type II	C.Y.	730
220	HMA Patching	Tons	9
221	HMA Pavement Finish Wedging	Tons	12
222	HMA Pavement Leveling, Regular	Tons	840
224	HMA Pavement Wearing, 36A	Tons	420
230	Rem. Curb & Gutter, Any Type	L.F.	500
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	860
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	400
238	Conc. Curb & Gutter H.E.	L.F.	110
240	4" Sidewalk or Ramp	S.F.	230
241	6" Drive, Sidewalk or Ramp	S.F.	370
242	6" S/W, Drive App. H.E.	S.F.	270
245	Detectable Warning, Cast in Place	S.F.	40
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	100
250	2' Dia. Structure	Each	14
254	Lower Structure Cover	Each	19
255	Lower Mon./Gate Valve Box	Each	4
256	Adjust Structure Cover	Each	19
257	Adjust Curb Inlet Structure Cover	Each	18
258	Adjust Mon. or Gate Valve Box	Each	4
259	Manhole Flange & Cover (MDOT Type A)	Each	17
260	Inlet Structure Cover (MDOT K)	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	140
268	Flowable Fill	C.Y.	12
271	21AA Limestone - C.I.P.	C.Y.	730
278	Speed Hump (Standard)	S.Y.	155
282	Plastic Drum - Lighted - Furn. & Operate	Each	90
283	Barricade Type III - Furn. & Operate	Each	4
284	Temp Signs Type - B	S.F.	338
285	No Parking Sign	Each	64
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	160
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	160
597	24" White Thermo.	L.F.	64
598	Pvmt. Marking Symbol	Each	0

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
7	W20-1	"ROAD WORK AHEAD"
7	W20-3	"ROAD CLOSED AHEAD"
16	D3-1	CONVENTIONAL GUIDE
4	TYPE III	TYPE III LIGHTED BARRICADE
4	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- 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.
- MILL 3 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 THI 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 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE
- 12. CONSTRUCT TRAFFIC CALMING DEVICES IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS
- 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.

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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE	PROJECT MANAG RAWING No. 2015004 - 73

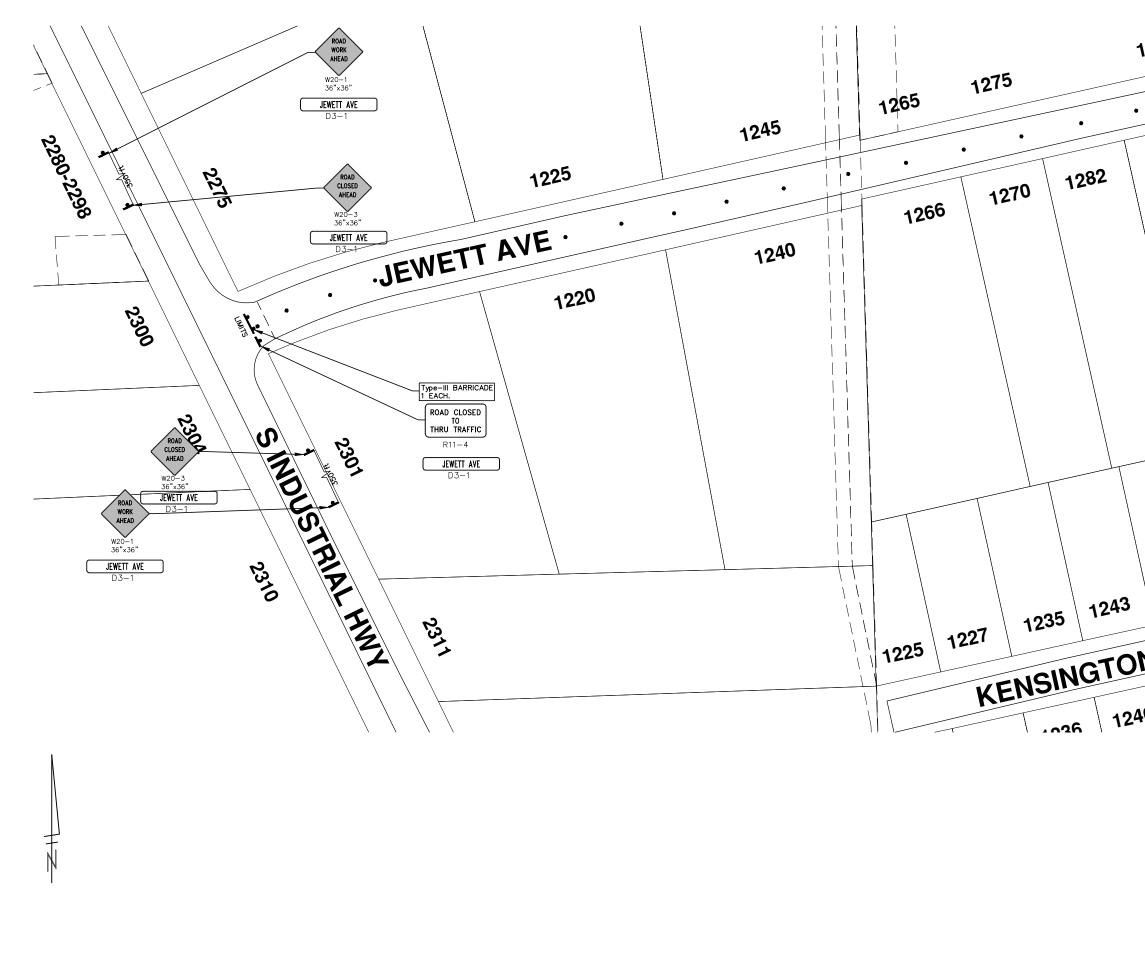
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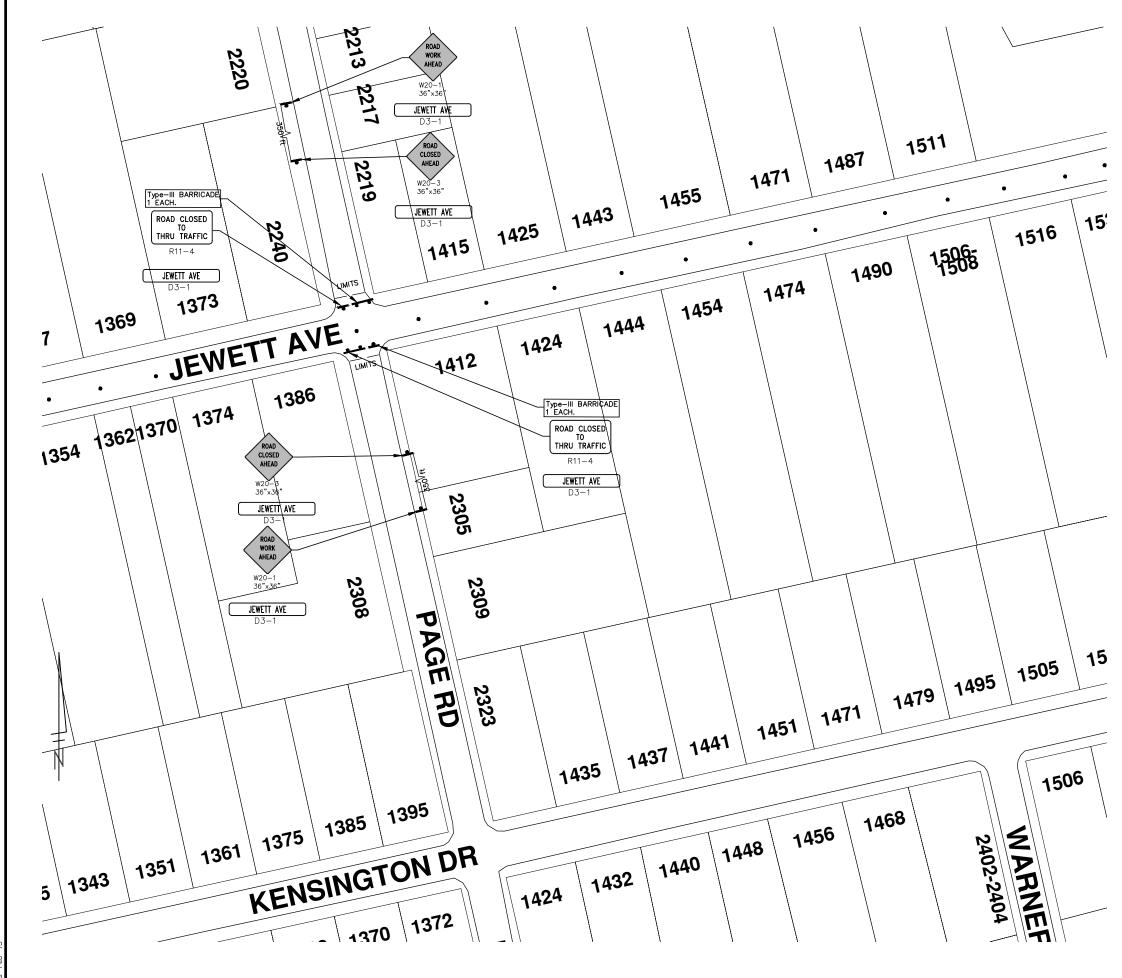
ADDENDUM 1 PLANS 52 OF 83

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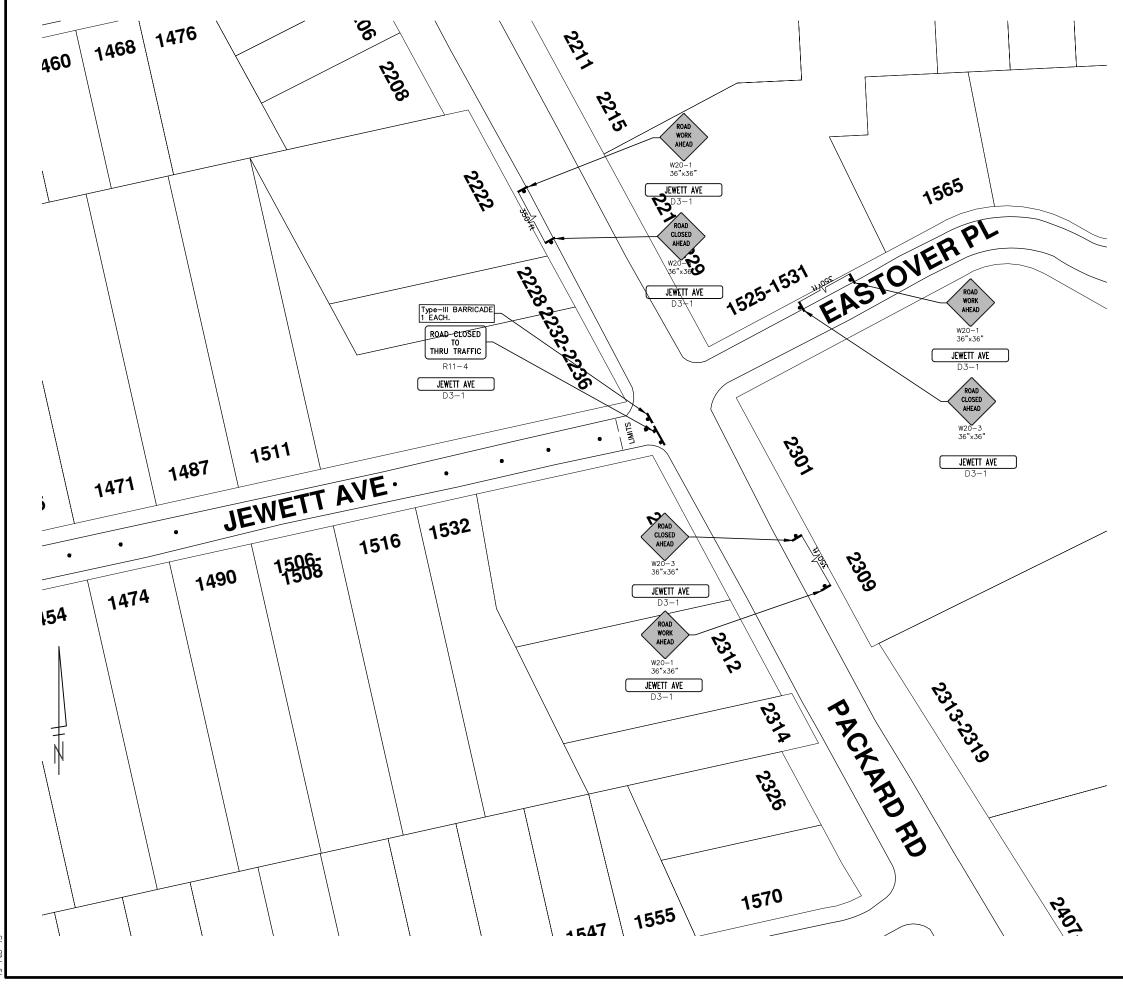
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QTY.	TYPE	DESCRIPTION	OR			W.
QTY.	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"	OR			M.C.
2	TYPE W20-1 W20-2	DESCRIPTION	OR	ACING		
	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	OR	JRFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	OR	ESURFACING		E TRAFFIC
2	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	OR	RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL	OR	AL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	OR	INUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	OR	ANNUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION	OR	15 ANNUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT)	OR	2015 ANNUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	OR	2015 ANNUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT)	OR	2015 ANNUAL RESURFACING		
2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1o W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW 5 DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC"	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1o W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW © DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1o W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW 5 DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC"	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE ITYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED VIER SIDE "END ROAD WORK"	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" (RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE IGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE ITYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED VIER SIDE "END ROAD WORK"	OR	2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN	OR	Alt Clastom 2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	OR	LE PLAN: Gustom 2015 ANNUAL RESURFACING		
2 2 2 2 2 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW S DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	22 SCALE PLAN. GASIGN 2015 ANNUAL RESURFACING	DRAWING No.	

ADDENDUM 1 PLANS 53 OF 83



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1	RAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
2	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
2	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
2	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
2	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
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	TRAFFIC C	ONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
3	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
3	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
1	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
1	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



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: S. REVENA BLVI

ITB No. 4371 FILE No. 2015-004

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	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	55
207	Cold Miling Pavement	Tons	1270
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	410
220	HMA Patching	Tons	6
221	Bit. Finish Wedging	Tons	16
222	HMA Pavement Leveling, Regular	Tons	760
223	HMA Pavement Wearing, Regular	Tons	510
230	Rem. Curb & Gutter, Any Type	L.F.	1310
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	3270
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	1310
240	4" Sidewalk or Ramp	S.F.	940
241	6" Drive, Sidewalk or Ramp	S.F.	800
242	6" S/W, Drive App. H.E.	S.F.	1550
245	Detectable Warning, Cast in Place	S.F.	100
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	8
254	Lower Structure Cover	Each	14
255	Lower Mon./Gate Valve Box	Each	4
256	Adjust Structure Cover	Each	14
257	Adjust Curb Inlet Structure Cover	Each	18
258	Adjust Mon. or Gate Valve Box	Each	4
259	Manhole Flange & Cover (MDOT Type A)	Each	14
260	Inlet Structure Cover (MDOT K)	Each	1
264	12" Sewer, Trench Detail I, Modified	L.F.	80
268	Flowable Fill	C.Y.	36
271	21AA Limestone - C.I.P.	C.Y.	410
282	Plastic Drum - Lighted - Furn. & Operate	Each	20
283	Barricade Type III - Furn. & Operate	Each	9
284	Temp Signs Type - B	S.F.	387
285	No Parking Sign	Each	41
295	Tubular Markers, 36", Furn. & Operate	Each	46
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	588
597	24" White Thermo.	L.F.	63
598	Pvmt. Marking Symbol	Each	0

	TRAFFIC CONTROL & SIGN LEGEND				
QTY.	TYPE	DESCRIPTION			
10	W20-1	"ROAD WORK AHEAD"			
10	W20-3	"ROAD CLOSED AHEAD"			
18	D3-1	CONVENTIONAL GUIDE			
9	TYPE III	TYPE III LIGHTED BARRICADE			
9	R11-4	ROAD CLOSED TO THRU TRAFFIC			
0	TYPE II	TYPE II BARRICADE DRUM			

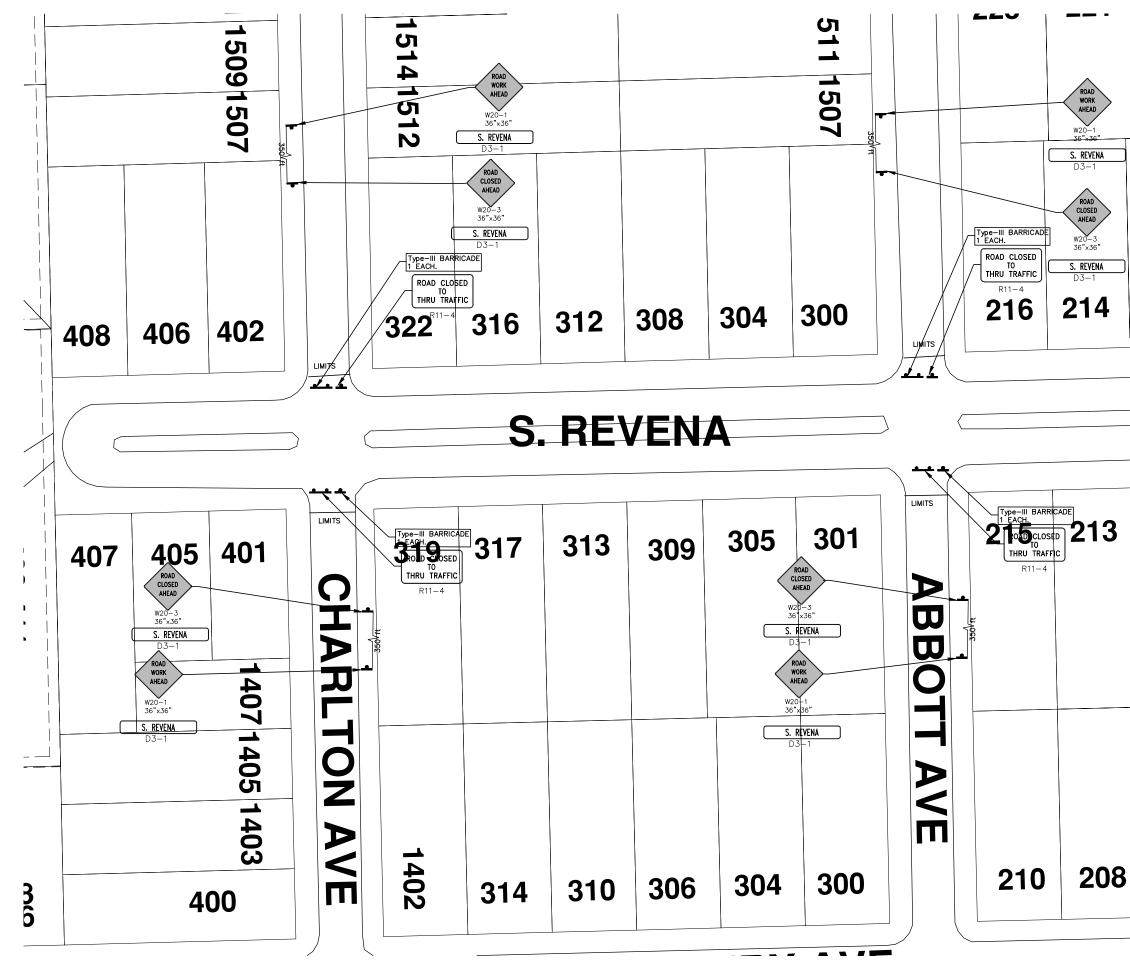
CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. 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.
- MILL 3.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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 1.5 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 FNGINFER
- 13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

MICHIGAN

D. NOTES:			
1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND IT'S 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 1-800-492-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLDAYS 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 - PUBLIC SERVICES - CITY OF ANN ARBOR	PROJECT DESCRIPTION 2015 ANNUAL RESURFACING	S. REVENA BLVD.
CITY OF ANN ARBOR PUBLIC 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	SHEE	T No.	DRAWING No. 2015004 - 79

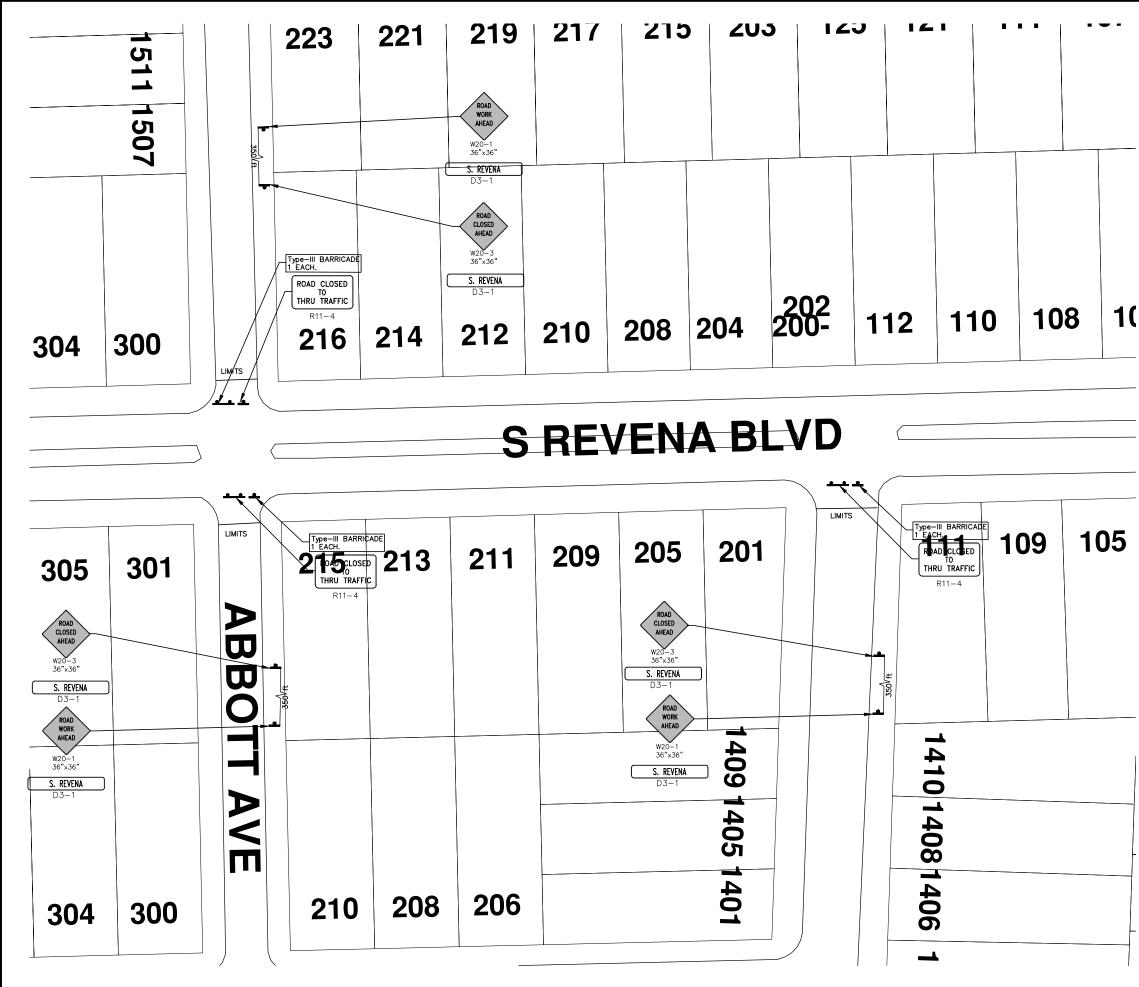
ADDENDUM 1 PLANS 56 OF 83



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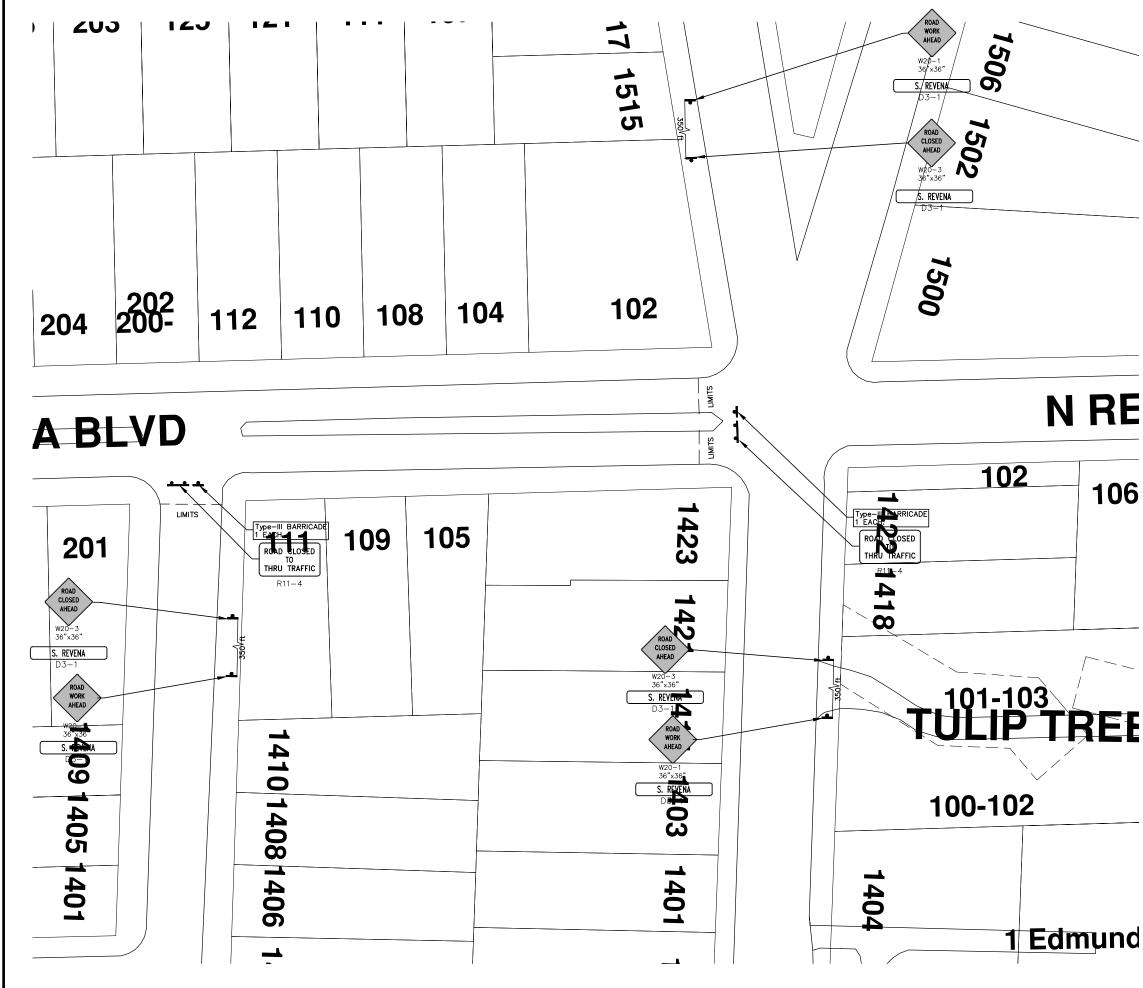
QTY.	TYPE	DESCRIPTION
4	W20-1	"ROAD WORK AHEAD"
	W20-2	"DETOUR AHEAD"
4	W20-3	"ROAD CLOSED AHEAD"
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT
	W20-1a	WORK SYMBOL
	W1-4	REVERSE CURVE
	W1-6	ONE DIRECTION ARROW
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)
4	D3-1	CONVENTIONAL GUIDE
	M4-8a	"DETOUR ENDS"
	M4-10	"DETOUR"
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)
4	TYPE III	TYPE III LIGHTED BARRICADE
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)
	R11-2	"ROAD CLOSED"
4	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 DOUBLE
	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

ADDENDUM 1 PLANS 57 OF 83



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3	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL						
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	CITY OF ANN ARROR		. RESURFACING			
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	S - CITY OF ANN ARBOR		IAL RESURFACING			
3	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	SES - CITY OF ANN ABBOR		NUAL RESURFACING		S. REVENA BLVD	
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	VICES - CITY OF ANN ABBOB		ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	FRVICES - CITY OF ANN ABROB		15 ANNUAL RESURFACING		S. REVENA BLVD	
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	C SERVICES - CITY OF ANN ARROR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM)	II C SFRVICES - CITY OF ANN ARBOR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	IIBI IC SERVICES - CITY OF ANN ARBOR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	- PIIBLIC SERVICES - CITY OF ANN ABBOR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "REVENSE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	VT - PIIRI IC SERVICES - CITY OF ANN ABBOR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	AFNT - PLIRI IC SFRVICES - CITY OF ANN ABBOR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE UGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE	FIMENT - DIIBLIC SERVICES - CITY OF ANN ABROB		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"	AGEMENT - PLIBLIC SERVICES - CITY OF ANN ABROB		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE IGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	ANAGEMENT - PLIBLIC SERVICES - CITY OF ANN ARROR		2015 ANNUAL RESURFACING		S. REVENA BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "NJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	MANAGEMENT - PLIRLIC SERVICES - CITY OF ANN ARROR		2015 ANNUAL RESURFACING		S. RECEND BLVD	
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE IGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	CT MANAGEMENT - PLIBLIC SERVICES - CITY OF ANN ABBOR					
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 M4-9 D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED DUE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	.IECT MANAGEMENT - PIIBLIC SERVICES - CITY OF ANN ABBOR					
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 M4-9 D3-1 M4-8a M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bLA R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED SUSE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO RIGHT TURN NO RIGHT TURN NO RIGHT TURN VOLEFT TURN 42"X48" SPECIAL SIGN	RO.IECT MANAGEMENT - PIIRI IC SERVICES - CITY OF ANN ABBOR					
3 3 3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 M4-9 D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED DUE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	DRO.IFCT MANAGEMENT - PLIRLIC SERVICES - CITY OF ANN ABBOR					ZUIDUU4-61 MAINI ENANCE OF INAFFIC

ADDENDUM 1 PLANS 58 OF 83



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	TYPE	DESCRIPTION			
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	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"			
3	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"			
3	TYPE W20-1 W20-2 W20-3	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD"			
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE			
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW			
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	S. CITV OF ANN ABOR		
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW			
3	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"			
3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)			
3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE			2015 ANNUAL RESURFACING
3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM)			
3 3 3	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE III R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A	DESCRIPTION "ROAD WORK AHEAD" "COAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE IV R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE II LIGHTED BARRICADE UGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"			
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED TO THRU TRAFFIC" LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	MANAGEMENT , DIIRI IC SERVICES , CITV OF ANN ABROR		
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	CT MANAGEMENT - DIIRI IC SERVICES - CITY OF ANN ABROR		2015 ANNUAL RESURFACING
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 M4-9 D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE SIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN			2015 ANNUAL RESURFACING
3 3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 M4-9 D3-1 M4-8a M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED SHERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED SHERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK SIDEWALK STAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN "CENTER LANE CLOSED AHEAD"	20. IECT MANAGEMENT - DI IRI IC SERVICES - CITY OF ANN ARROR		2015 ANNUAL RESURFACING
3 3 2	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-10 W1-6 M4-9 M4-9 D3-1 M4-80 M4-10 R6-1 L&R TYPE R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE SIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	DECLECT MANAGEMENT - DIIBLIC SERVICES - CITY OF ANN ABOD		2015 ANNUAL RESURFACING

ADDENDUM 1 PLANS 59 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: PINE VALLEY BLVD.**

ITB No. 4371 FILE No. 2015-004

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ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	65
207	Cold Miling Pavement	Tons	910
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	520
220	HMA Patching	Tons	7
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	610
224	HMA Pavement Wearing, 36A	Tons	310
230	Rem. Curb & Gutter, Any Type	L.F.	830
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	1010
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	804
238	Conc. Curb & Gutter - Any Type - High Early	L.F.	26
240	4" Sidewalk or Ramp	S.F.	500
241	6" Drive, Sidewalk or Ramp	S.F.	410
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	110
245	Detectable Warning, Cast in Place	S.F.	40
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	18
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	18
257	Adjust Curb Inlet Structure Cover	Each	9
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	18
260	Inlet Structure Cover (MDOT K)	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	23
271	21AA Limestone - C.I.P.	C.Y.	520
282	Plastic Drum - Furn. & Operate	Each	62
283	Barricade Type III - Furn. & Operate	Each	4
284	Temp Signs Type - B	S.F.	302
285	No Parking Sign	Each	44
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	286
597	24" White Thermo.	L.F.	40
598	Pvmt. Marking Symbol	Each	0

TRAFFIC CONTROL & SIGN LEGEND					
TYPE	DESCRIPTION				
W20-1	"ROAD WORK AHEAD"				
W20-3	"ROAD CLOSED AHEAD"				
D3-1	CONVENTIONAL GUIDE				
TYPE III	TYPE III LIGHTED BARRICADE				
R11-4	Road Closed to Thru Traffic				
TYPE II	TYPE II BARRICADE DRUM				
	TYPE W20-1 W20-3 D3-1 TYPE III R11-4				

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER. AND UNDERDRAIN AS SHOWN ON THE PLANS. AND AS 3. 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.
- MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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 INCHE OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE
- 12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE FNGINEER
- 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 IT'S 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, A MINIMUM OF INREE FOLL WORKING DATS, EACLODING SAUNDATS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNIG 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 NOTIFING 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.

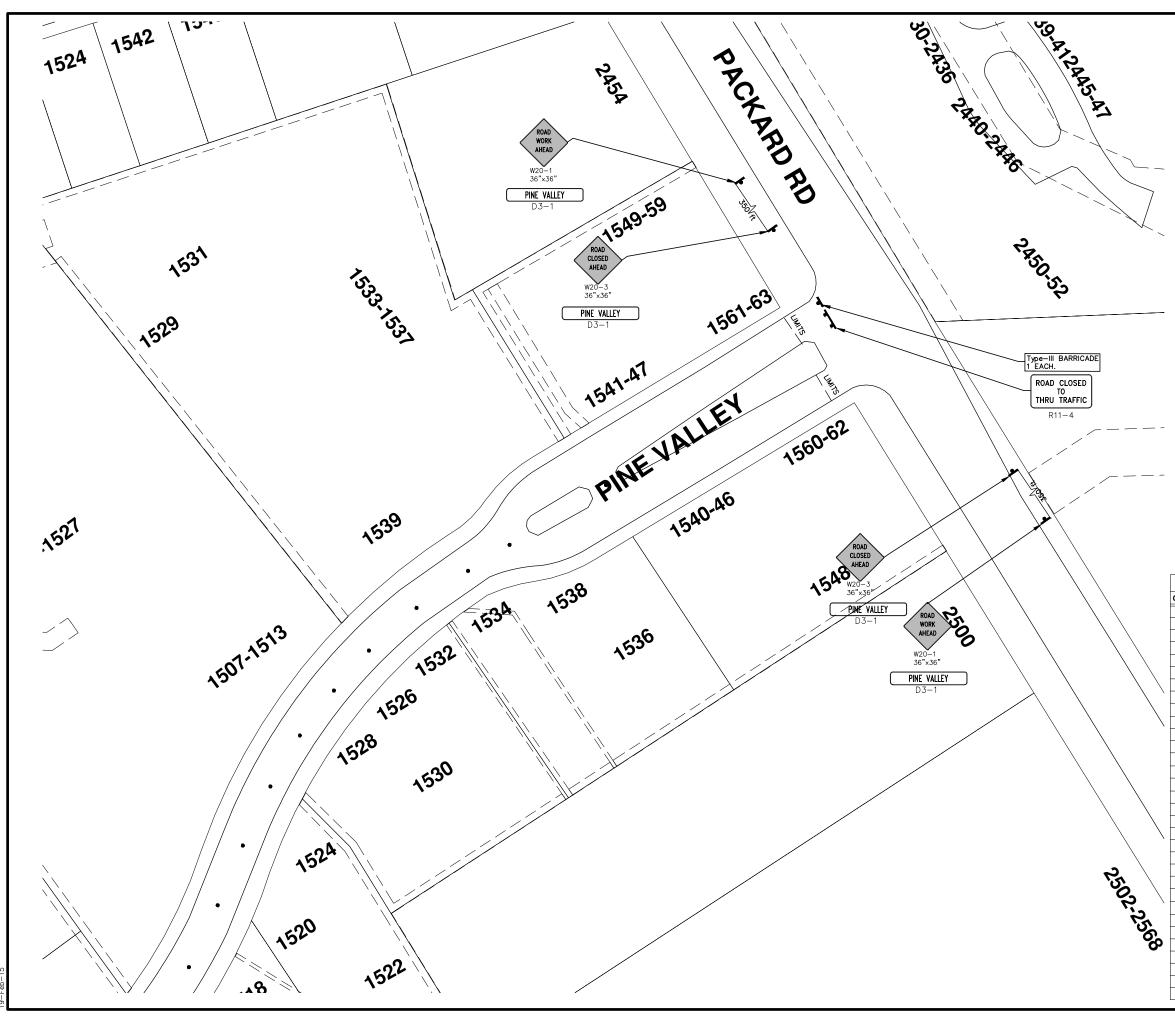
	PROJECT MANAGEME	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
		PROJECT DESCRIPTION
10. OF 1		2015 ANNUAL RESURFACING
117	DRAWING No.	
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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 60 OF 83



ADDENDUM	1	PL	ANS.	61	OF	83

	TRAFFIC C	ONTROL & SIGN LEGEND	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			
QTY.	TYPE	DESCRIPTION	1			
2	W20-1	"ROAD WORK AHEAD"	∣∢	19		
	W20-2	"DETOUR AHEAD"	ΙŞ			
2	W20-3	"ROAD CLOSED AHEAD"	١ź	Ā		ទ
	W20-5	"(RIGHT OR LEFT) LANE CLOSED AHEAD"	ц			ΡĘ
	W4-2	LANE DROP SYMBOL, RIGHT OR LEFT	0			ŽĒ
	W20-1a	WORK SYMBOL	בו	Ш		<u>ж</u> в
	W1-4	REVERSE CURVE	Ω	<u>م</u>		ЩŇ
	W1-6	ONE DIRECTION ARROW	ī			A A
	M4-9 L&R&S	DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	ı N	2015 ANNUAL RESURFACING		PINE VALLEY BLVD VTENANCE OF TRAI
2	D3-1	CONVENTIONAL GUIDE	Ū	Ę		PINE VALLEY BLVD MAINTENANCE OF TRAFFIC
	M4-8a	"DETOUR ENDS"	IΞ			MA
	M4-10	"DETOUR"	l Hitt	2	2	
	R6-1 L&R	"ONE WAY" (LEFT OR RIGHT)	S	b		
1	TYPE III	TYPE III LIGHTED BARRICADE	<u></u>	1		
	TYPE II	TYPE II LIGHTED BARRICADE (DRUM)	님			
	R11-2	"ROAD CLOSED"	15			
1	R11-4	"ROAD CLOSED TO THRU TRAFFIC"	٩.			
	TYPE A	LIGHTED ARROW, TYPE A	١Ļ			
	TYPE B	LIGHTED ARROW, TYPE B	1Z			
	R9-9	SIDEWALK CLOSED	١Ħ			
	R9-11	SIDEWALK CLOSED AHEAD CROSS HERE	ΠЩ			
	R5-9	SIDEWALK CLOSED USE OTHER SIDE	19			
	G20-2	"END ROAD WORK"	lŻ			
	R5-18b	"INJURE/KILL A WORKER \$7500+15 YEARS"	I₹			
	R5–18cLA	"WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	Ľ		N	
	R3-1	NO RIGHT TURN	Ŀ	stom		
	R3-2	NO LEFT TURN	1	5	H.	്ജ
	SPECIAL	42"X48" SPECIAL SIGN	Ó	PLAN	N.	° 2
	W20-5c	"CENTER LANE CLOSED AHEAD"	۱۳ ۳	SCALE PLAN: Custom	Щ	DRAWING No. 2015004-86
	R2-1	SPEED LIMIT				R 02
	TYPE C	LIGHTED ARROW, TYPE C	SHE	ET No	b .	
	W3-5	REDUCED SPEED LIMIT AHEAD		86 (DF	117

			0
		DRAWN BY	DRAWN
		DATE	DATE
		00 ADD DESCRIPTION AN MAKE LAYER PLOT	DESCRIPTION
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CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET P.O. DOX 6847 ANN ARBOR, MI 43107-8647 XMW-25304.019 WWW-25304.019



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<u>ату.</u>	TRAFFIC CO	ONTROL & SIGN LEGEND	R			
ату. 4	TYPE W20-1	DESCRIPTION "ROAD WORK AHEAD"	R			
	TYPE	DESCRIPTION	R			×
4	TYPE W20-1 W20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	R			×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT	R	ESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD"	R	RESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	R	IAL RESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW)	R			×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW	R	ANNUAL RESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"	R	115 ANNUAL RESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT)	R	2015 ANNUAL RESURFACING		_*
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR"	R	2015 ANNUAL RESURFACING		FIC
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	R	2015 ANNUAL RESURFACING		×
4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	R	2015 ANNUAL RESURFACING		×
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	R	2015 ANNUAL RESURFACING		×
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE IIL LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	R	2015 ANNUAL RESURFACING		×
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE	R	2015 ANNUAL RESURFACING		×
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "IGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE IIL LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	R	2015 ANNUAL RESURFACING		_*
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	R	2015 ANNUAL RESURFACING		×
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R0-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	R	2015 ANNUAL RESURFACING		_*
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE B R9-9 R9-911 R5-18b R5-18cLA R3-1	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "CAD WORK AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN	R	t Clistom 2015 ANNUAL RESURFACING		PINE VALLEY BLVD MAINTENANCE OF TRAFFIC
4 4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R0-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE TYPE B SIDEWALK CLOSED SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	R	PLAR: Gustern 2015 ANNUAL RESURFACING		PINE VALLEY BLVD
4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-10 W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE B R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18cLA R3-1 R3-1 R3-1 W20-5c	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	4	SCALE PLARE CLARENCE		PINE VALLEY BLVD
4 4 4 4	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-80 M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LETT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	Real E PLAN: Guisson 2015 ANNUAL RESURFACING No		PINE VALLEY BLVD

ADDENDUM 1 PLANS 62 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: TACOMA STREE

ITB No. 4371 FILE No. 2015-004

TEM #	DESCRIPTION	Units	Tota
206	Remove HMA Pavement	S.Y.	28
207	Cold Miling Pavement	Tons	270
209	Subgrade Undercutting - Type II	C.Y.	160
220	HMA Patching	Tons	3
222	HMA Pavement Leveling, Regular	Tons	180
224	HMA Pavement Wearing, 36A	Tons	90
230	Rem. Curb & Gutter, Any Type	L.F.	490
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	300
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	490
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	300
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	4
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	4
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	3
261	Pt. Drain Structures	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	14
271	21AA Limestone - C.I.P.	C.Y.	160
282	Plastic Drum - Lighted - Furn. & Operate	Each	18
283	Barricade Type III - Furn. & Operate	Each	2
284	Temp Signs Type - B	S.F.	101
285	No Parking Sign	Each	13
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	70
597	24" White Thermo.	L.F.	15
598	Pvmt. Marking Symbol	Each	0

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
2	W20-3	"ROAD CLOSED AHEAD"
3	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
2	R11-4	Road Closed to Thru Traffic
0	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 3 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 INCH 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 FINGINEER
- 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 IT'S 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.

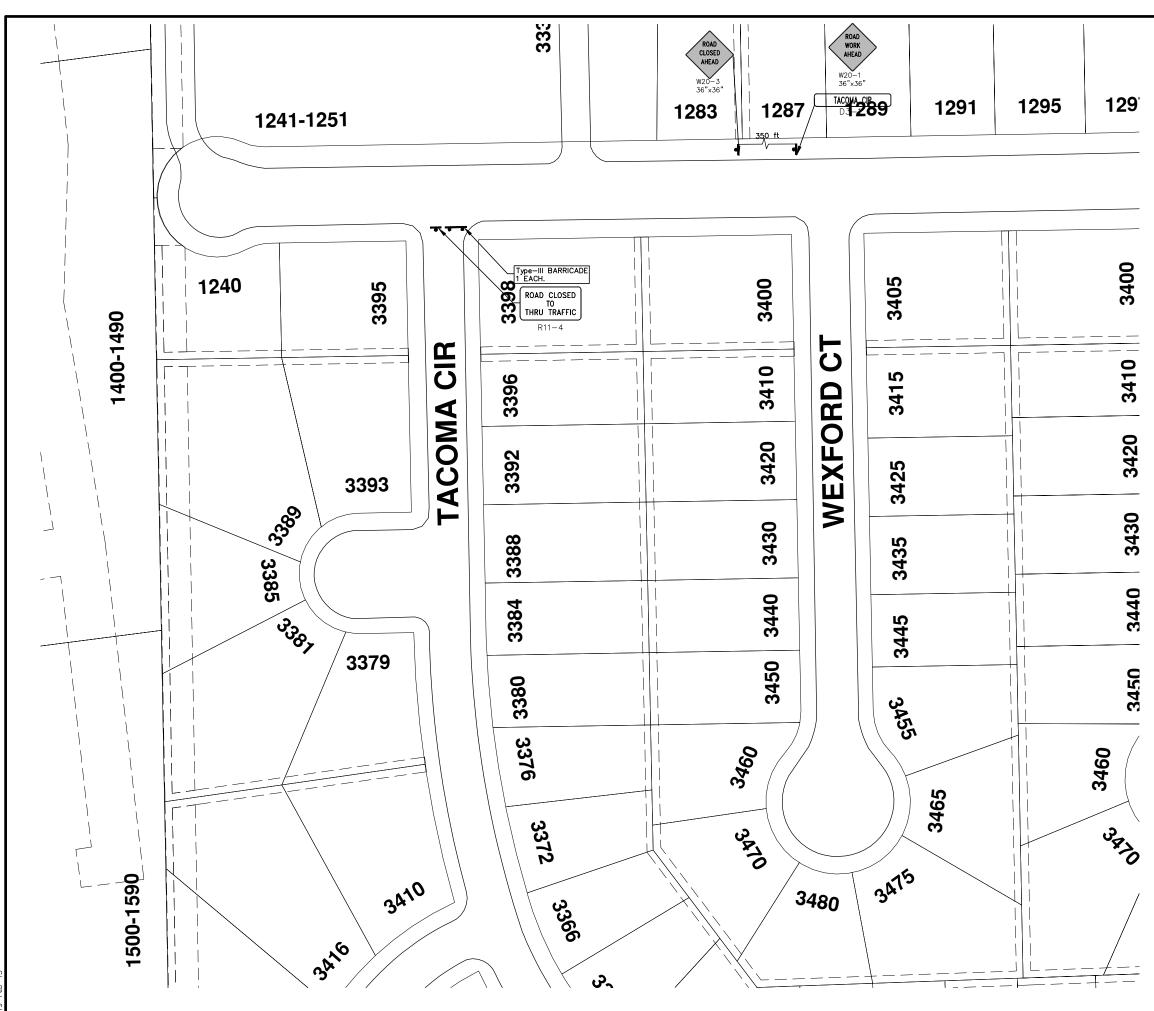
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVOUSLY LOCATED. 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.

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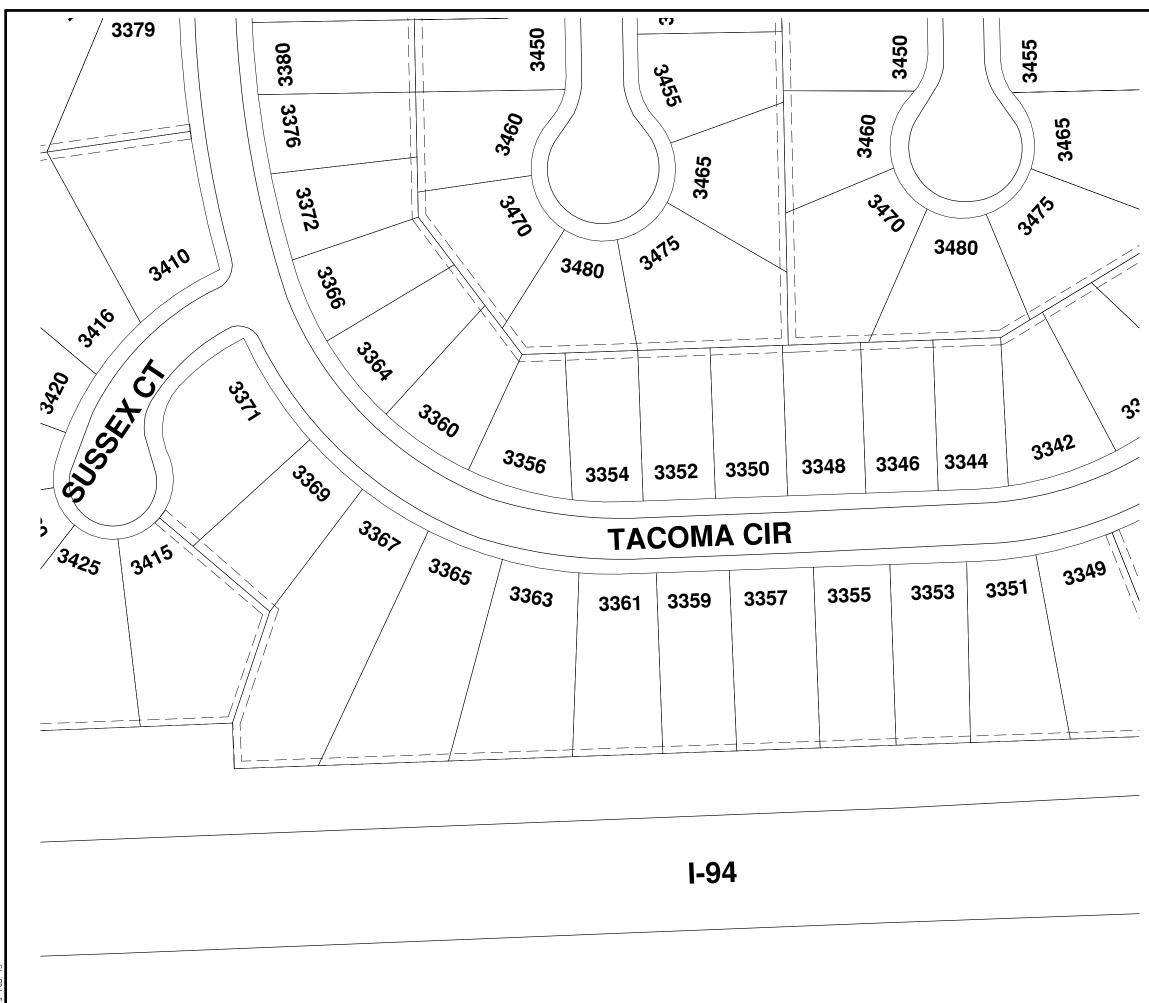
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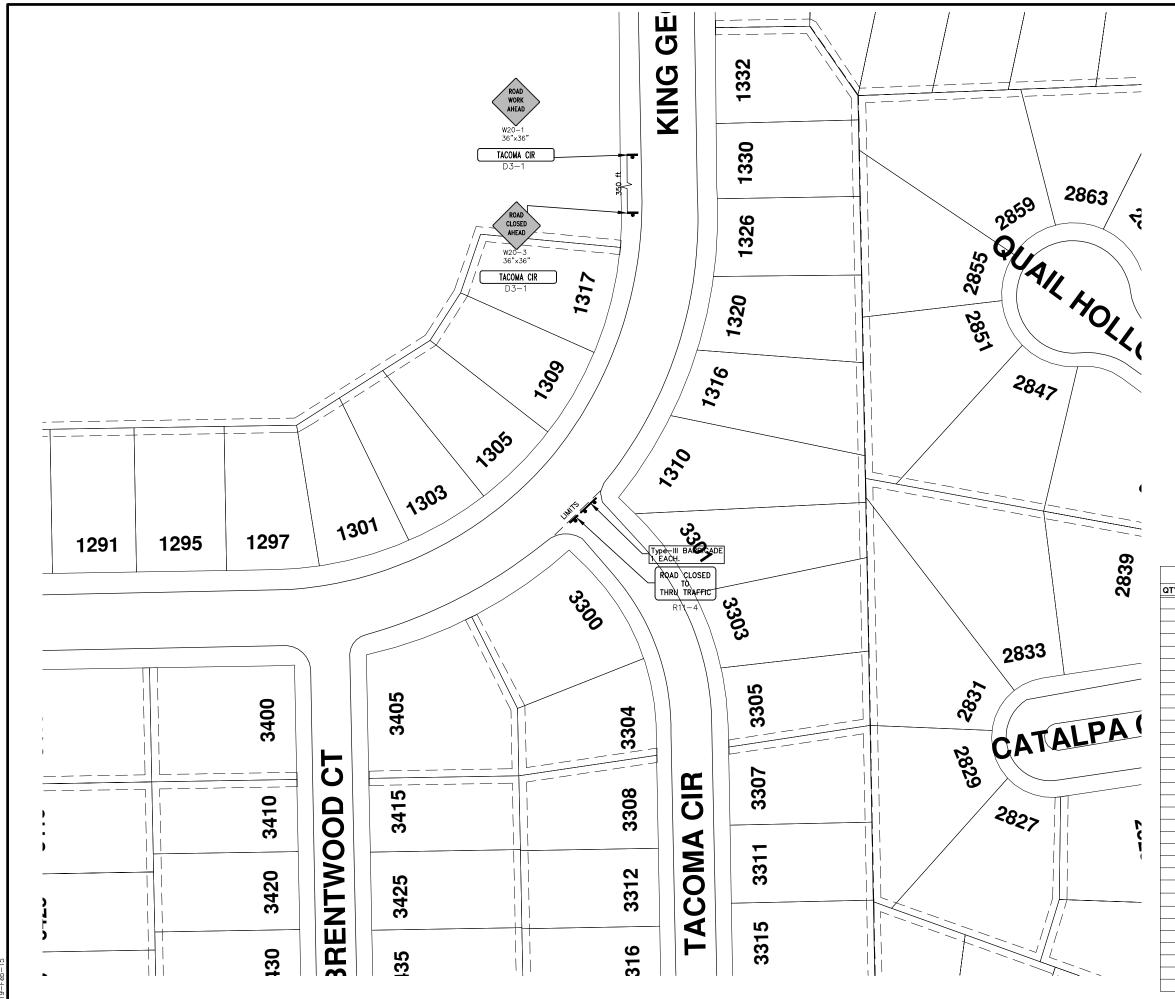


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1	TYPE W20-1 W20-2 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE	RBOR		2	HO WAR
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1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM)	RBOR		2	HO WAR
1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE	RBOR		2	FFIC
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W1-4 W1-6 M4-9 L&R&S D3-1 M4-10 R6-1 L&R TYPE III TYPE II R11-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED"	RBOR		2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W0-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	RBOR		2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II TYPE A TYPE B R9-9	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED	RBOR		2	A CH
1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W0-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE A TYPE B	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A	RBOR		2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE II LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED ANEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK"	RBOR		2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	RBOR		2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III R11-2 R11-4 TYPE A TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "BIDEWALK CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED"	RBOR	2015 ANNUAL RESURFACING	2	Not the second s
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS"	RBOR	2015 ANNUAL RESURFACING		MAINTENANCE OF TRAFFIC
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE B R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1 R3-1 R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "OLE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	RBOR	2015 ANNUAL RESURFACING		MAINTENANCE OF TRAFFIC
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE II R11-2 R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18bLA R3-1 R3-1 R3-2 SPECIAL	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR ENDS" "DETOUR" "ONE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO RIGHT TURN NO RIGHT TURN VOLEFT TURN 42"X48" SPECIAL SIGN	ANN ANN	2015 ANNUAL RESURFACING		MAINTENANCE OF TRAFFIC
1 1 1 1 1 1 1 1 1	TYPE W20-1 W20-2 W20-3 W20-5 W4-2 W20-1a W1-4 W1-6 M4-9 L&R&S D3-1 M4-8a M4-10 R6-1 L&R TYPE III TYPE B R11-4 TYPE B R9-9 R9-11 R5-9 G20-2 R5-18b R3-1 R3-1 R3-1 R3-1	DESCRIPTION "ROAD WORK AHEAD" "DETOUR AHEAD" "ROAD CLOSED AHEAD" "ROAD CLOSED AHEAD" "(RIGHT OR LEFT) LANE CLOSED AHEAD" LANE DROP SYMBOL, RIGHT OR LEFT WORK SYMBOL REVERSE CURVE ONE DIRECTION ARROW DETOUR (LEFT, RIGHT, OR STRAIGHT ARROW) CONVENTIONAL GUIDE "DETOUR" "OLE WAY" (LEFT OR RIGHT) TYPE III LIGHTED BARRICADE TYPE III LIGHTED BARRICADE (DRUM) "ROAD CLOSED" "ROAD CLOSED TO THRU TRAFFIC" LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE A LIGHTED ARROW, TYPE B SIDEWALK CLOSED USE OTHER SIDE "END ROAD WORK" "INJURE/KILL A WORKER \$7500+15 YEARS" "WORK ZONE BEGINS/TRAFFIC FINES DOUBLED" NO RIGHT TURN NO LEFT TURN 42"X48" SPECIAL SIGN	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR			MAINTENANCE OF TRAFFIC

ADDENDUM 1 PLANS 66 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: VINTAGE VALLEY RD.**

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	50
207	Cold Miling Pavement	Tons	730
209	Subgrade Undercutting - Type II	C.Y.	360
220	HMA Patching	Tons	6
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	420
223	HMA Pavement Wearing, Regular	Tons	310
230	Rem. Curb & Gutter, Any Type	L.F.	570
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	300
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	550
238	Conc. Curb & Gutter H.E.	L.F.	30
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	0
242	6" S/W, Drive App. H.E.	S.F.	220
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	4
251	Double Inlet Structure	Each	1
252	Reconstruct Structure	Each	1
254	Lower Structure Cover	Each	12
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	12
257	Adjust Curb Inlet Structure Cover	Each	6
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	11
264	12" Sewer, Trench Detail I, Modified	L.F.	40
268	Flowable Fill	C.Y.	16
271	21AA Limestone - C.I.P.	C.Y.	360
282	Plastic Drum - Lighted - Furn. & Operate	Each	43
283	Barricade Type III - Furn. & Operate	Each	3
284	Temp Signs Type - B	S.F.	238
285	No Parking Sign	Each	31
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	22
598	Pvmt. Marking Symbol	Each	0

	TRAFFIC CONTROL & SIGN LEGEND				
QTY.	ТҮРЕ	DESCRIPTION			
5	W20-1	"ROAD WORK AHEAD"			
5	W20-3	"ROAD CLOSED AHEAD"			
10	D3-1	CONVENTIONAL GUIDE			
3	TYPE III	TYPE III LIGHTED BARRICADE			
3	R11-4	Road Closed to Thru Traffic			
0	TYPE II	TYPE II BARRICADE DRUM			

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER. AND UNDERDRAIN AS SHOWN ON THE PLANS. AND AS 3. 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 3.5 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 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 1.5 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 FNGINEER
- 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 IT'S 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 NOTIFING 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.

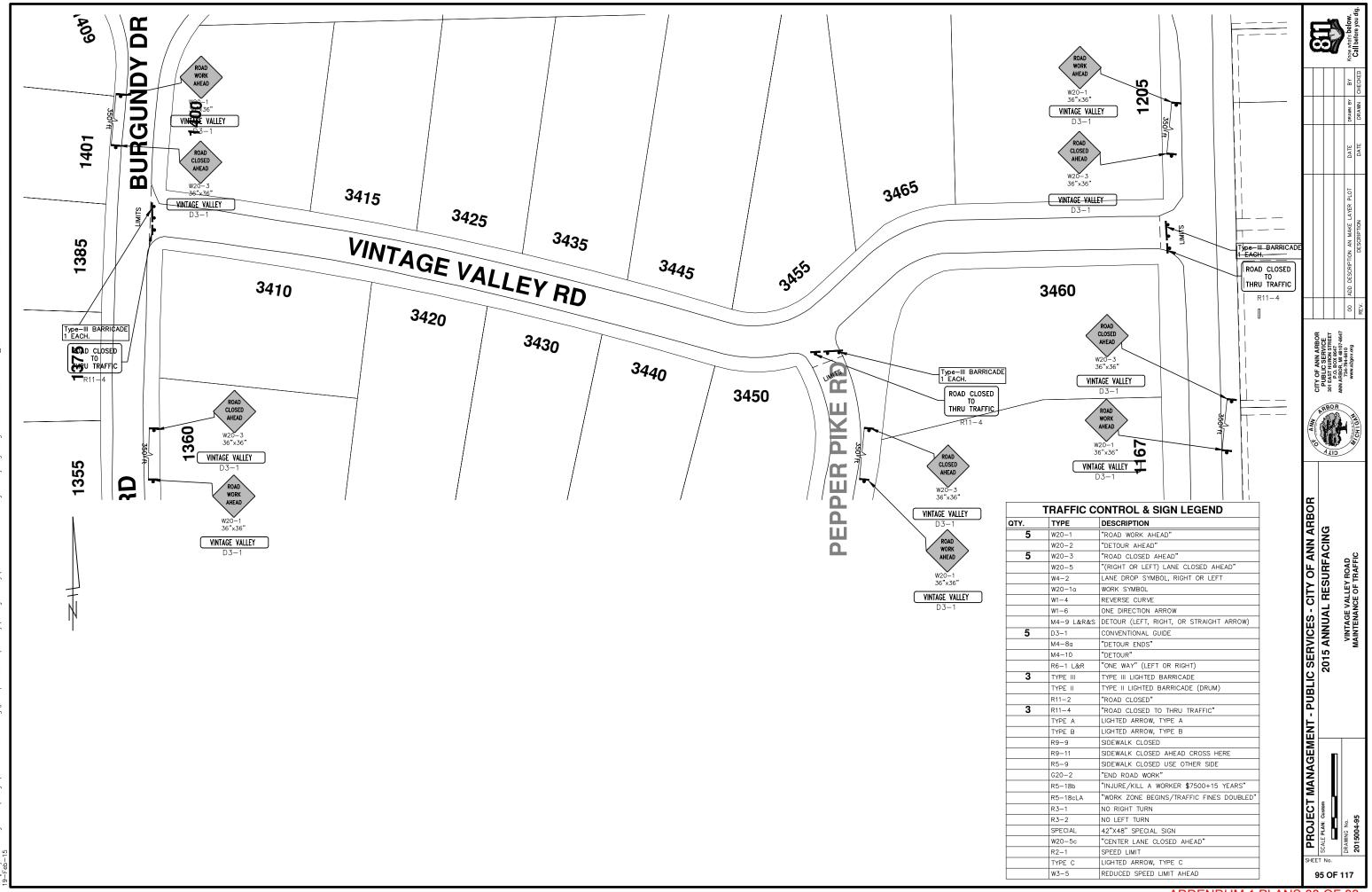
		PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
		PROJECT DESCRIPTION	
。. DF ⁻		2015 ANNUAL RESURFACING	
117	DRAWING No.	VINTAGE VALLEY ROAD	
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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 67 OF 83



ADDENDUM 1 PLANS 68 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: BURGUNDY ROAD**

ITB No. 4371 FILE No. 2015004

	QUANTITIES		
TEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	53
207	Cold Miling Pavement	Tons	760
209	Subgrade Undercutting - Type II	C.Y.	390
220	HMA Patching	Tons	6
222	HMA Pavement Leveling, Regular	Tons	440
223	HMA Pavement Wearing, Regular	Tons	330
230	Rem. Curb & Gutter, Any Type	L.F.	630
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	140
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	290
238	Conc. Curb & Gutter H.E.	L.F.	340
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	0
242	6" S/W, Drive App. H.E.	S.F.	140
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	7
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	7
257	Adjust Curb Inlet Structure Cover	Each	2
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	0
271	21AA Limestone - C.I.P.	C.Y.	0
282	Plastic Drum - Lighted - Furnish & Operate	Each	40
283	Barricade Type III - Furnish & Operate	Each	2
284	Temp Signs Type - B	S.F.	153
285	No Parking Sign	Each	33
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	0
598	Pvmt. Marking Symbol	Each	0

	TRAFF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
3	W20-1	"ROAD WORK AHEAD"
3	W20-3	"ROAD CLOSED AHEAD"
8	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
2	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. 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.
- MILL 3.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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 1.5 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 FNGINEER
- 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 IT'S 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.

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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.

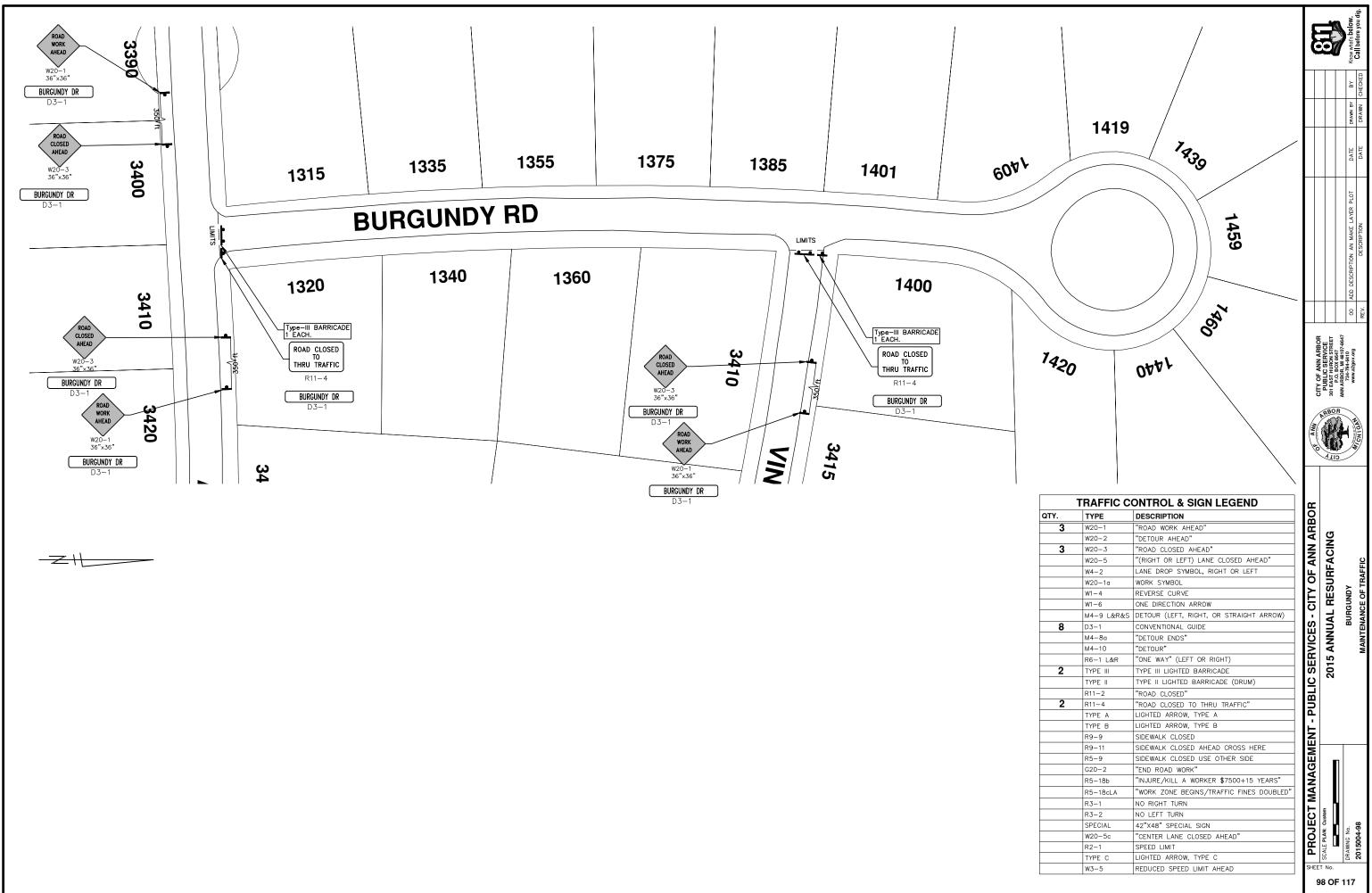
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR		2015 ANNUAL RESURFACING			
NT - PUBLIC SERVICE	PROJECT DESCRIPTION	2015 ANNU			
PROJECT MANAGEME				DRAWING No.	2015004 - 97
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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 69 OF 83



ADDENDUM 1 PLANS 70 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: LONDONDERRY ROAD**

ITB No. 4371 FILE No. 2015-004

ITEM #	DESCRIPTION	Units	Total
207	Cold Miling Pavement	Tons	600
208	Cold Mill Pavement, Curb Reveal	Tons	0
209	Subgrade Undercutting - Type II	C.Y.	270
219	Machine Grading	C.Y.	111
221	Bit. Finish Wedging	Tons	8
222	HMA Pavement Leveling, Regular	Tons	340
223	HMA Pavement Wearing, Regular	Tons	260
230	Rem. Curb & Gutter, Any Type	L.F.	150
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	200
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	380
238	Conc. Curb & Gutter H.E.	L.F.	70
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	150
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	2
254	Lower Structure Cover	Each	8
255	Lower Mon./Gate Valve Box	Each	4
256	Adjust Structure Cover	Each	8
257	Adjust Curb Inlet Structure Cover	Each	5
258	Adjust Mon. or Gate Valve Box	Each	4
259	Manhole Flange & Cover (MDOT Type A)	Each	5
264	12" Sewer, Trench Detail I, Modified	L.F.	20
271	21AA Limestone - C.I.P.	C.Y.	270
272	Agg. Base Course, 21AA - C.I.P.	C.Y.	111
284	Temp Signs Type - B	S.F.	0
285	No Parking Sign	Each	0
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	24
598	Pvmt. Marking Symbol	Each	0

	TRAFF	FIC CONTROL & SIGN LEGEND			
QTY.	ТҮРЕ	DESCRIPTION			
0	W20-1	"ROAD WORK AHEAD"			
0	W20-3	"ROAD CLOSED AHEAD"			
0	D3-1	CONVENTIONAL GUIDE			
0	TYPE III	TYPE III LIGHTED BARRICADE			
0	R11-4	Road Closed to Thru Traffic			
0	TYPE II	TYPE II BARRICADE DRUM			

NOTE: **THIS WORK** FOLLOWS WATER MAIN PROJECT AND WILL UTILIZE **EXISTING TRAFFIC** CONTROL PLACED **BY OTHERS.**

CONSTRUCTION METHOD AND SEQUENCING

- 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. MAINTAIN TRAFFIC AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS 3. DIRECTED BY THE ENGINEER.
- 4. LOWER ALL STRUCTURE COVERS. INCLUDING VALVE AND MONUMENT BOXES.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 5. DIRECTED BY THE ENGINEER.
- 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 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 FNGINEER
- 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 IT'S DETAILS WHICH ARE INCLUDED BY REFERENCE. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES. NOT RELIEVE THE CONSTICUT 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 NOTIFING 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.

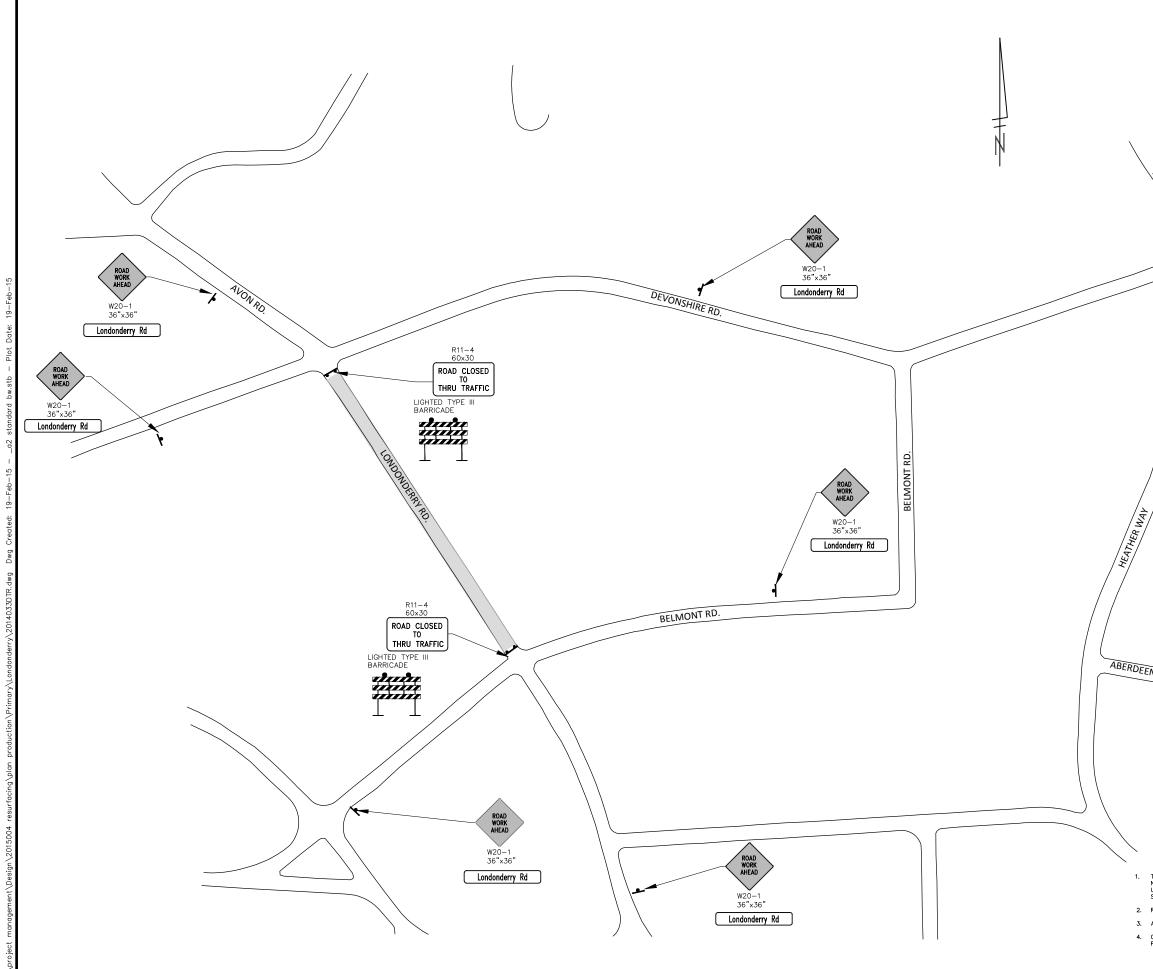
PROJECT	F MANAGEME	ENT - PUBLIC	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
		PROJECT DESCRIPTION	2015 ANNUAL RESURFACING	
DRAWING No. 2015004 - 100			LONDONDERRY ROAD	

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

ADDENDUM 1 PLANS 71 OF 83



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	ROAD CLOSED TO THEU TRAFFIC	NUMBER R11-3 60x30	QUANTITY 2	TOTAL AREA (SFT) 25		CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET P.O. BOX 8647 AMM A PDO: MI 8647	734-794-6410 WWW.a2gov.org	
	ROAD CLOSED	R11-2 48"x30"			AM	ARBOR	HIGH)
× /	ROAD WORK AHEAD	W20-1 36 X 36	6	54			MIC N	-
	(DEVONSHIPE)	D3-1	6	18				
	PLASTIC DRUM		2 16		BOB			
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CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: DEVONSHIRE ROAD**

ITB No. 4371 FILE No. 2015-004

TEM #	DESCRIPTION	Units	Total
207	Cold Miling Pavement	Tons	690
209	Subgrade Undercutting - Type II	C.Y.	390
219	Machine Grading	C.Y.	65
220	HMA Patching	Tons	6
222	HMA Pavement Leveling, Regular	Tons	440
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.	200
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	100
238	Conc. Curb & Gutter H.E.	L.F.	260
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	0
242	6" S/W, Drive App. H.E.	S.F.	476
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	12
254	Lower Structure Cover	Each	0
255	Lower Mon./Gate Valve Box	Each	4
256	Adjust Structure Cover	Each	0
257	Adjust Curb Inlet Structure Cover	Each	12
258	Adjust Mon. or Gate Valve Box	Each	4
259	Manhole Flange & Cover (MDOT Type A)	Each	0
264	12" Sewer, Trench Detail I, Modified	L.F.	120
271	21AA Limestone - C.I.P.	C.Y.	390
278	Speed Hump (Standard)	S.Y.	36
282	Plastic Drum - Lighted - Furnish & Operate	Each	0
283	Barricade Type III - Furnish & Operate	Each	0
284	Temp Signs Type - B	S.F.	0
285	No Parking Sign	Each	0
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	0
597	24" White Thermo.	L.F.	24
598	Pvmt. Marking Symbol	Each	0

	TRAFF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
0	W20-1	"ROAD WORK AHEAD"
0	W20-3	"ROAD CLOSED AHEAD"
0	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

NOTE: THIS WORK **FOLLOWS WATER** MAIN PROJECT AND WILL UTILIZE **EXISTING TRAFFIC** CONTROL PLACED **BY OTHERS.**

CONSTRUCTION METHOD AND SEQUENCING

- 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. MAINTAIN TRAFFIC AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 5. DIRECTED BY THE ENGINEER.
- 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 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.
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- 13. COMPLETE ALL MISCELLANFOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS

NOTES:

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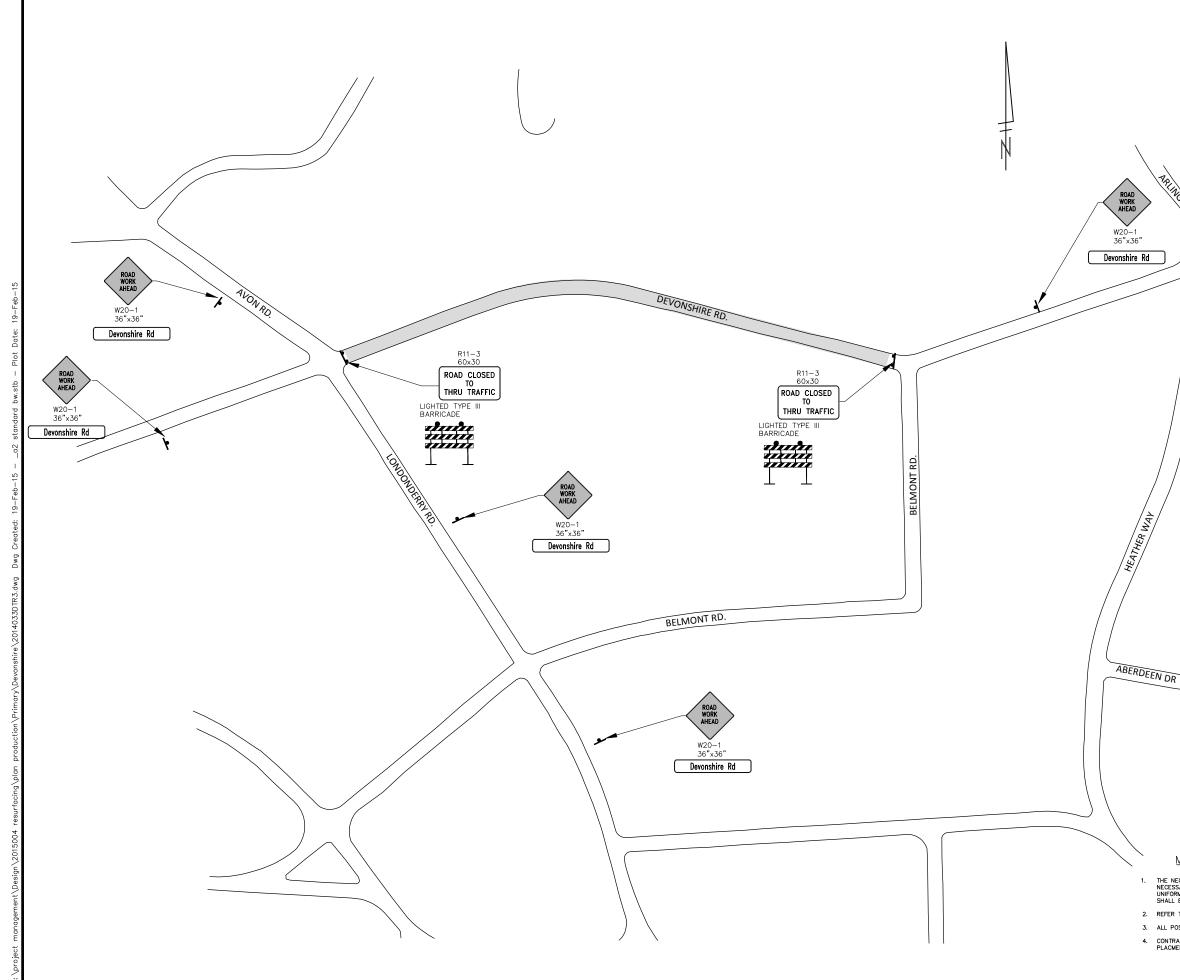
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т N)З		PROJECT DESCRIPTION	
		2015 ANNUAL RESURFACING	
11	DRAWING No.	DEVONSHIRE ROAD	
7	2015004 - 103		

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

ADDENDUM 1 PLANS 73 OF 83



MAINTAINING TRAFFIC AND TRAFFIC CONTROL SOFOOT STANDARDS, BARRICADES, AND TRAFFIC CONTROL DEVICES								
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	ROAD CLOBED TO THRU TRAFFIC	R11-3 60x30	2	25		_	_	
		R11-2 48"x30"			AN		H	
/	ROAD WORK AHEAD	W20-1 36 X 36	5	45				
	DEVONSHIRE	D3-1	5	15	В			
			2		ARB	U		
			26		ANN			
DR	TOTAL TYP	e b signs	FOR PROJ	ECT= 85 SFT	IENT - PUBLIC SERVICES - CITY OF	2015 ANNUAL RESURF	2015004MTRF - DEVONSHIR	
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ADDENDUM 1 PLANS 74 OF 83



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING **PROJECT LOCATION: BELMONT ROAD**

ITB No. 4371 FILE No. 2015-004

	QUANTITIES				
ITEM #	DESCRIPTION	Units	Total		
206	Remove HMA Pavement	S.Y.	0		
207	Cold Miling Pavement	Tons	960		
209	Subgrade Undercutting - Type II	C.Y.	390		
219	Machine grading	C.Y.	66		
220	HMA Patching	Tons	8		
222	HMA Pavement Leveling, Regular	Tons	530		
223	HMA Pavement Wearing, Regular	Tons	530		
230	Rem. Curb & Gutter, Any Type	L.F.	920		
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	380		
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	100		
238	Conc. Curb & Gutter H.E.	L.F.	250		
239	Conc. Curb & Gutter - Any Type - Slip Form	L.F.	1405		
240	4" Sidewalk or Ramp	S.F.	0		
241	6" Drive, Sidewalk or Ramp	S.F.	0		
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	1011		
245	Detectable Warning, Cast in Place	S.F.	0		
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0		
250	2' Dia. Structure	Each	6		
254	Lower Structure Cover	Each	14		
255	Lower Mon./Gate Valve Box	Each	1		
256	Adjust Structure Cover	Each	14		
257	Adjust Curb Inlet Structure Cover	Each	8		
258	Adjust Mon. or Gate Valve Box	Each	1		
259	Manhole Flange & Cover (MDOT Type A)	Each	6		
264	12" Sewer, Trench Detail I, Modified	L.F.	60		
268	Flowable Fill	C.Y.	26		
271	21AA Limestone - C.I.P.	C.Y.	390		
272	Agg. Base Course, 21AA - C.I.P.	C.Y.	157		
282	Plastic Drum - Lighted - Furnish & Operate	Each	0		
283	Barricade Type III - Furnish & Operate	Each	0		
284	Temp Signs Type - B	S.F.	0		
285	No Parking Sign	Each	0		
291	12" Thermo. White or Yellow	L.F.	0		
594	4" White Thermo.	L.F.	0		
595	4" Yellow Thermo.	L.F.	0		
596	6" White Thermo.	L.F.	0		
597	24" White Thermo.	L.F.	26		
598	Pvmt. Marking Symbol	Each	0		

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	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	ТҮРЕ	DESCRIPTION
0	W20-1	"ROAD WORK AHEAD"
0	W20-3	"ROAD CLOSED AHEAD"
0	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	ROAD CLOSED TO THRU TRAFFIC

NOTE: THIS WORK **FOLLOWS WATER** MAIN PROJECT AND WILL UTILIZE **EXISTING TRAFFIC** CONTROL PLACED **BY OTHERS.**

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 5. DIRECTED BY THE ENGINEER.
- 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 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.
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- 13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS

NOTES:

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SHEET		PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
N		PROJECT DESCRIPTION 2015 ANNUAL RESURFACING	
	DRAWING No.		
	2015004-106		

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

ADDENDUM 1 PLANS 75 OF 83



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		ROAD CLOBED TO THRU TRAFFIC	R11-3 60×30	2	2		/-	CI	ABOR	ANN	GPY
		ROAD CLOSED	R11-2 48"x30"				(10			THI
		ROAD WORK AHEAD	W20-1 36 X 36	5	45						
		BELMONT RD	D3-1	5	15						
		TYPE III BARRIC		2 26					SING		
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THE NECESSARY NECESSARY FOR UNIFORM TRAFFIC SHALL BE FURNIS REFER TO CITY S ALL POSTS TO B	SIGNS A THE PRO C CONTRO ISHED, IN SPECIFICA BE DRIVEN	TAKE ALL SIGNS AND	NDARDS, BAR SHALL BE IN / VED BY THE (NED BY THE (N MATERIALS,	RICADES, AN ACCORDANCE DITY OF ANN CONTRACTOR EQUIPMENT,	ID TRAFFIC C WITH MICHIG ARBOR. ALL AND CONSTR	ONTROL DEVIC				DRAMING No.	2015004-104
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CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: LAWRENCE STRE

ITB No. 4371 FILE No. 2015-004

TEM #	DESCRIPTION	Units	Total
207	Cold Miling Pavement	Tons	388
209	Subgrade Undercutting - Type II	C.Y.	240
222	HMA Pavement Leveling, Regular	Tons	280
223	HMA Pavement Wearing, Regular	Tons	280
230	Rem. Curb & Gutter, Any Type	L.F.	100
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	200
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	0
238	Conc. Curb & Gutter H.E.	L.F.	329
239	Conc. Curb & Gutter - Any Type - Slip Form	L.F.	1136
240	4" Sidewalk or Ramp	S.F.	200
242	6" Drive, Sidewalk or Ramp - High Early	S.F.	2222
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	4
255	Lower Mon./Gate Valve Box	Each	3
256	Adjust Structure Cover	Each	4
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	3
259	Manhole Flange & Cover (MDOT Type A)	Each	3
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	21
271	21AA Limestone - C.I.P.	C.Y.	0
283	Barricade Type III - Furn. & Operate	Each	0
284	Temp Signs Type - B	S.F.	0
285	No Parking Sign	Each	0
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	85
597	24" White Thermo.	L.F.	85
598	Pvmt. Marking Symbol	Each	0

	TRAFFIC CONTROL & SIGN LEGEND					
QTY.	TYPE	DESCRIPTION				
0	W20-1	"ROAD WORK AHEAD"				
0	W20-3	"ROAD CLOSED AHEAD"				
0	D3-1	CONVENTIONAL GUIDE				
0	TYPE III	TYPE III LIGHTED BARRICADE				
0	R11-4	Road Closed to Thru Traffic				
0	TYPE II	TYPE II BARRICADE DRUM				

NOTE: THIS WORK **FOLLOWS WATER** MAIN PROJECT AND WILL UTILIZE **EXISTING TRAFFIC** CONTROL PLACED **BY OTHERS.**

CONSTRUCTION METHOD AND SEQUENCING

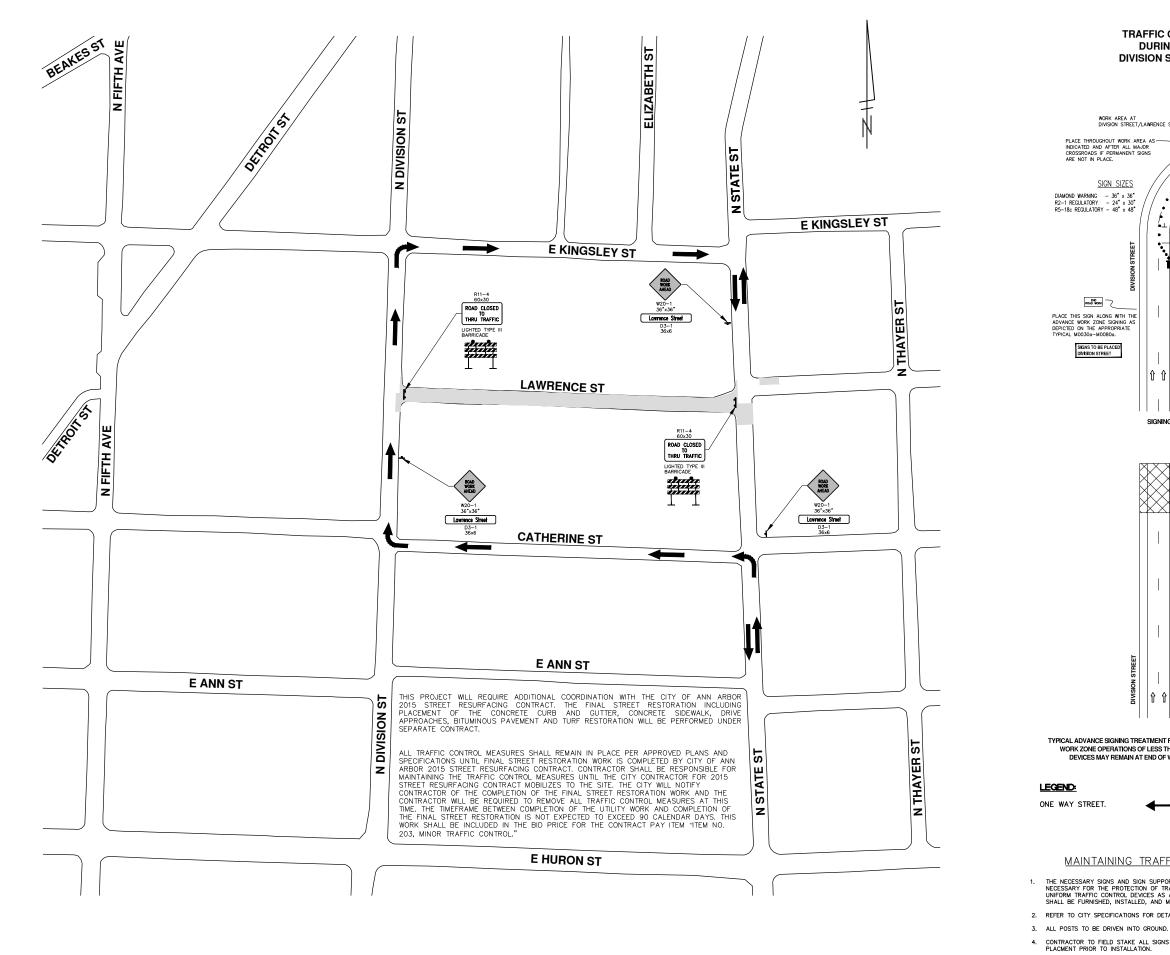
- THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
- IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS. AND AS DIRECTED BY THE ENGINEER.
- 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.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS 5. DIRECTED BY THE ENGINEER.
- 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 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
- 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

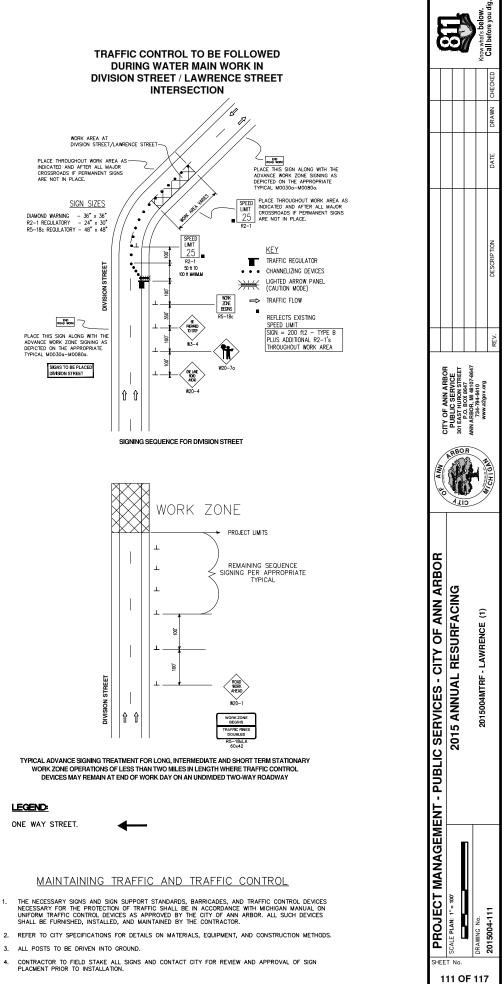
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EXEMP	ECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR PROJECT DESORPTION 2015 ANNUAL RESURFACING LAWRENCE STREET - 109
PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HURON STREET, P.O. BOX 8647 ANN ARBOR MICHIGAN 48107-8647	

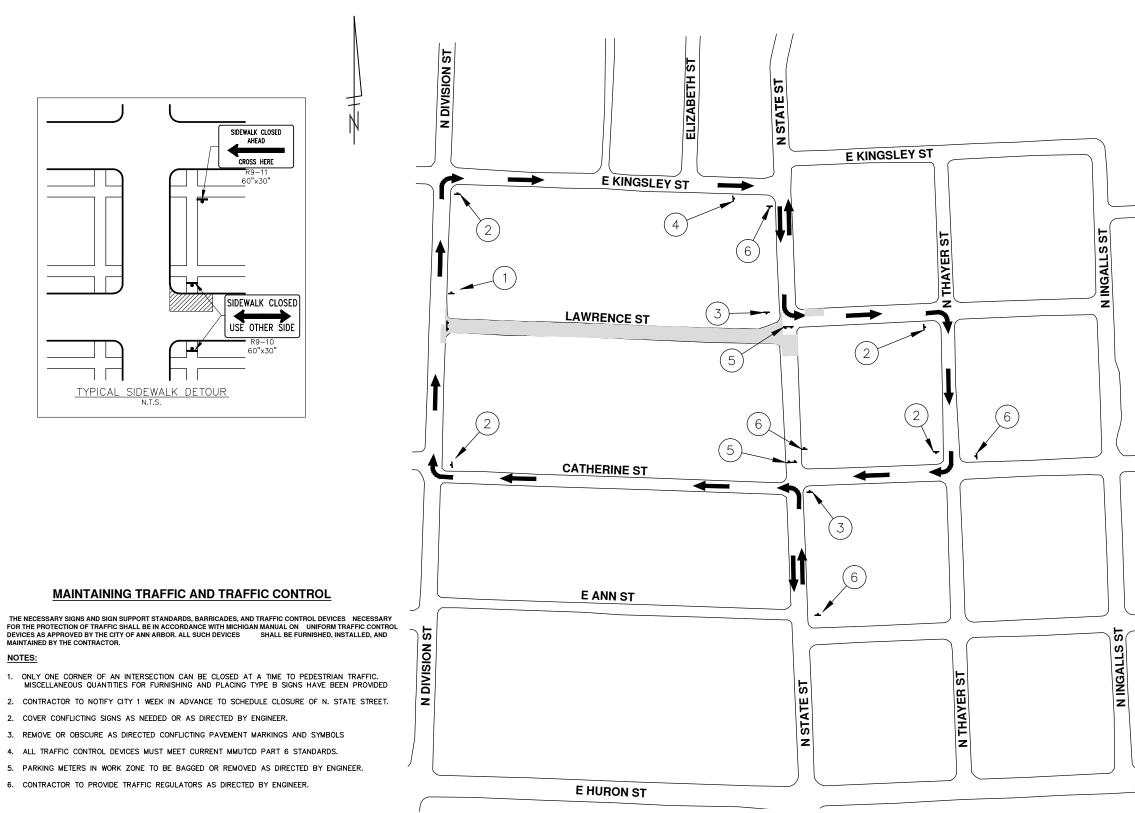
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ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org







ADDENDUM 1 PLANS 79 OF 83

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CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: DUNCAN STREE

ITB No. 4371 FILE No. 2015-004

ITEM #	DESCRIPTION	Units	Tota
207	Cold Miling Pavement	Tons	2210
209	Subgrade Undercutting - Type II	C.Y.	630
219	Machine Grading	C.Y.	167
222	HMA Pavement Leveling, Regular	Tons	740
223	HMA Pavement Wearing, Regular	Tons	740
230	Rem. Curb & Gutter, Any Type	L.F.	100
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	400
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	0
238	Conc. Curb & Gutter H.E.	L.F.	560
239	Conc. Curb & Gutter - Any Type - Slip Form	L.F.	1928
240	4" Sidewalk or Ramp	S.F.	1061
241	6" Drive, Sidewalk or Ramp	S.F.	370
245	Detectable Warning, Cast in Place	S.F.	70
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	0
254	Lower Structure Cover	Each	15
255	Lower Mon./Gate Valve Box	Each	6
256	Adjust Structure Cover	Each	15
257	Adjust Curb Inlet Structure Cover	Each	18
258	Adjust Mon. or Gate Valve Box	Each	6
259	Manhole Flange & Cover (MDOT Type A)	Each	11
264	12" Sewer, Trench Detail I, Modified	L.F.	0
271	21AA Limestone - C.I.P.	C.Y.	590
282	Plastic Drum - Lighted - Furnish & Operate	Each	0
283	Barricade Type III - Furnish & Operate	Each	0
284	Temp Signs Type - B	S.F.	0
285	No Parking Sign	Each	0
592	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	125
597	24" White Thermo.	L.F.	16
598	Pvmt. Marking Symbol	Each	0

	TRAF	FIC CONTROL & SIGN LEGEND
QTY.	TYPE	DESCRIPTION
0	W20-1	"ROAD WORK AHEAD"
0	W20-3	"ROAD CLOSED AHEAD"
0	D3-1	CONVENTIONAL GUIDE
0	TYPE III	TYPE III LIGHTED BARRICADE
0	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

NOTE: THIS WORK FOLLOWS WATER MAIN PROJECT AND WILL UTILIZE EXISTING TRAFFIC CONTROL PLACED BY OTHERS.

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. MAINTAIN TRAFFIC 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.
- 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 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 FINGINEER
- 13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
- 14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

		I	

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 IT'S 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 HOLDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVOUSLY 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.

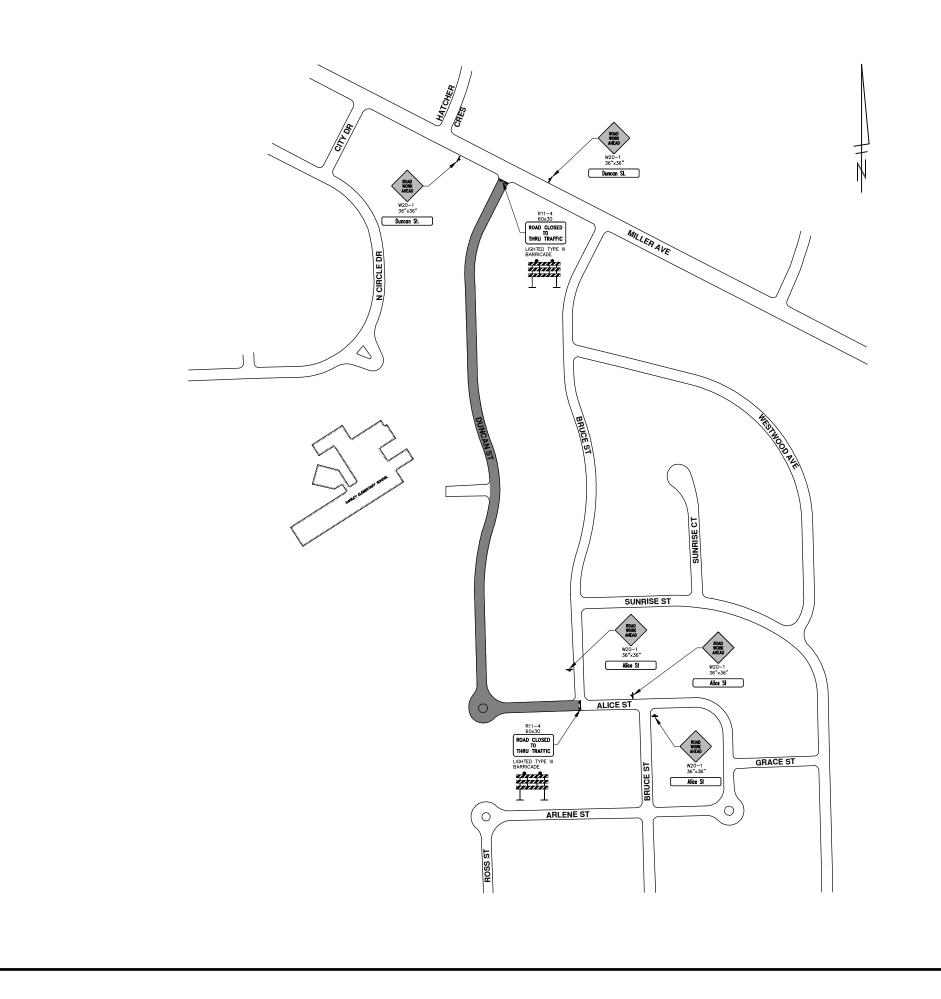
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION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

SHEE 1 1		PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	
т No. 12 О		PROJECT DESCRIPTION 2015 ANNUAL RESURFACING	
F			
11	DRAWING No.	DIINCAN STREET	
7	2015004 - 112		

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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



THIS PROJECT WILL REQUIRE ADDITIONAL COORDINATION WITH THE CITY OF ANN ARBOR 2015 STREET RESURFACING CONTRACT. THE FINAL STREET RESTORATION INCLUDING PLACEMENT OF THE CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, DRIVE APPROACHES, BITUMINOUS PAVEMENT AND TURF RESTORATION WILL BE PERFORMED UNDER SEPARATE CONTRACT.

SCALE PLAN: 1'= 150 2015 ANNUAL RESURFACING DRAWING NG. 2015004MTRF - DUNCAN (1)	ANAGEMENT - PUBLIC S	PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR	ANN							2
SCALE PLAN: 1"= 150 DRAWNG No.				JF ANN ARBOR						
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2 2015004-113			MICHIGHT	, ,	REV. DE	ESCRIPTION	DATE	DRAWN	CHECKED	Call before you di

ALL TRAFFIC CONTROL MEASURES SHALL REMAIN IN PLACE PER APPROVED PLANS AND SPECIFICATIONS UNTIL FINAL STREET RESTORATION WORK IS COMPLETED BY CITY OF ANN ARBOR 2015 STREET RESURFACING CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRAFFIC CONTROL MEASURES UNTIL THE CITY CONTRACTOR FOR 2015 STREET RESURFACING CONTRACT MOBILIZES TO THE SITE. THE CITY WILL NOTIFY CONTRACTOR OF THE COMPLETION OF THE FINAL STREET RESTORATION WORK AND THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL TRAFFIC CONTROL MEASURES AT THIS TIME. THE TIMEFRAME BETWEEN COMPLETION OF THE UTILITY WORK AND COMPLETION OF THE FINAL STREET RESTORATION IS NOT EXPECTED TO EXCEED 90 CALENDAR DAYS. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE CONTRACT PAY ITEM "ITEM NO. 203, MINOR TRAFFIC CONTROL."

MAINTAINING TRAFFIC AND TRAFFIC CONTROL

THE NECESSARY SIGNS AND SIGN SUPPORT STANDARDS, BARRICADES, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS APPROVED BY THE CITY OF ANN ARBOR. ALL SUCH DEVICES SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

2. REFER TO CITY SPECIFICATIONS FOR DETAILS ON MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS. 3. ALL POSTS TO BE DRIVEN INTO GROUND.

4. CONTRACTOR TO FIELD STAKE ALL SIGNS AND CONTACT CITY FOR REVIEW AND APPROVAL OF SIGN PLACMENT PRIOR TO INSTALLATION.



CITY OF ANN ARBOR PROJECT MANAGEMENT 2015 ANNUAL RESURFACING PROJECT LOCATION: PEPPER PIKE STREET

ITB No. 4371 FILE No. 2015-004

	QUANTITIES		
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	28
207	Cold Miling Pavement	Tons	290
209	Subgrade Undercutting - Type II	C.Y.	150
220	HMA Patching	Tons	3
222	HMA Pavement Leveling, Regular	Tons	160
223	HMA Pavement Wearing, Regular	Tons	130
230	Rem. Curb & Gutter, Any Type	L.F.	120
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	220
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	70
240	4" Sidewalk or Ramp	S.F.	50
241	6" Drive, Sidewalk or Ramp	S.F.	80
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2' Dia. Structure	Each	2
254	Lower Structure Cover	Each	1
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	1
257	Adjust Curb Inlet Structure Cover	Each	2
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	1
264	12" Sewer, Trench Detail I, Modified	L.F.	20
271	21AA Limestone - C.I.P.	C.Y.	150
282	Plastic Drum - Lighted - Furn. & Operate	Each	18
283	Barricade Type III - Furn. & Operate	Each	2
284	Temp Signs Type - B	S.F.	105
285	No Parking Sign	Each	12
596	Rec. Polyurea Pvmt. Mkg., 6" White or Yellow	L.F.	0
597	Rec. Polyurea Pvmt. Mkg., 24" White	L.F.	0

	TRAFFIC CONTROL & SIGN LEGEND	
TYPE	DESCRIPTION	
W20-1	"ROAD WORK AHEAD"	
W20-3	"ROAD CLOSED AHEAD"	
D3-1	CONVENTIONAL GUIDE	
R11-4	"ROAD CLOSED TO THRU TRAFFIC	
TYPE II	TYPE II BARRICADE DRUM	

QTY.

CONSTRUCTION METHOD AND SEQUENCING

- 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.
- MILL 3.5 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR 6. 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 1.5 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 IT'S 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 NOTIFING 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.

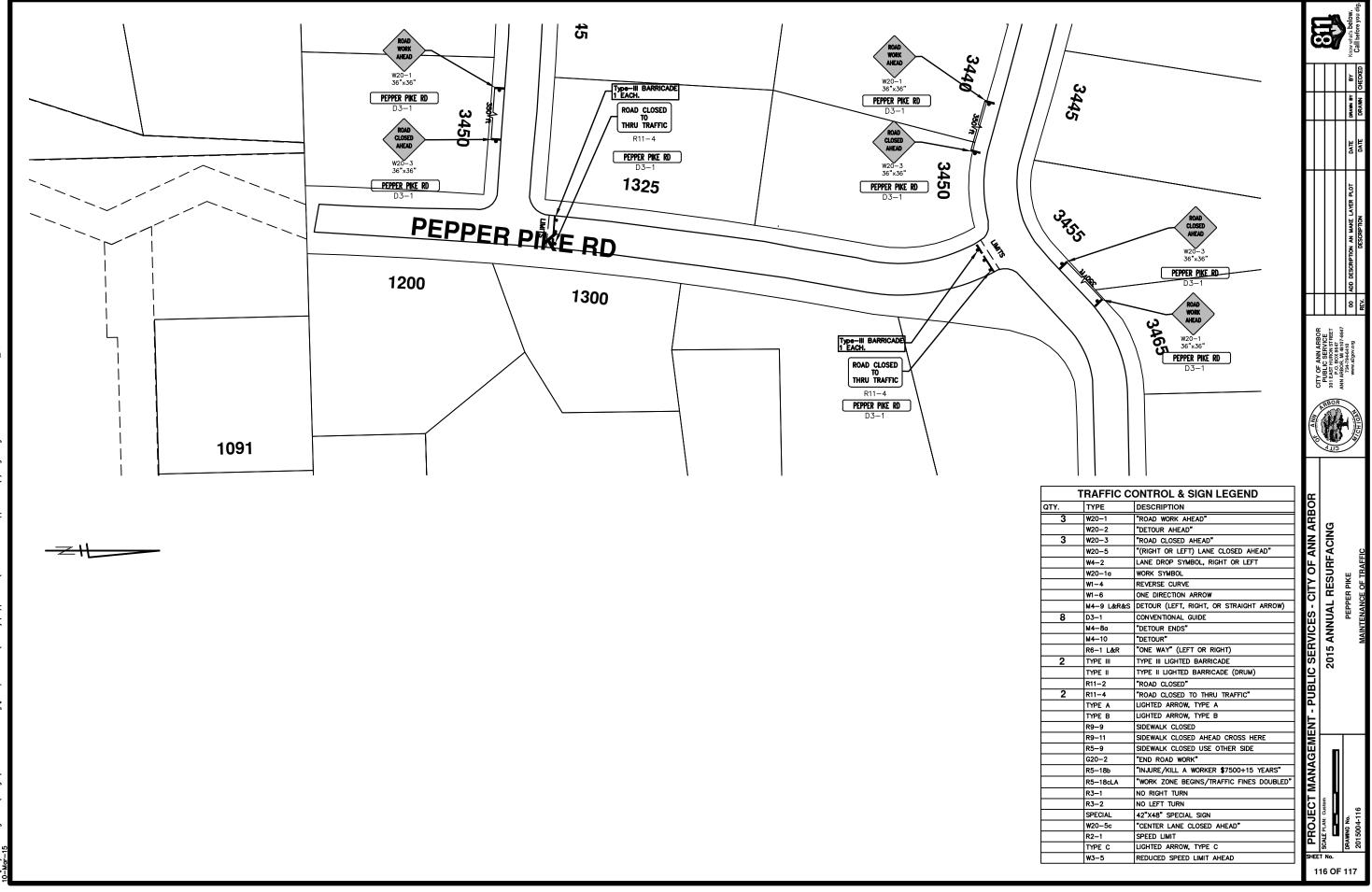
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PROJECT MANAGEMENT SERVICE UNIT CITY OF ANN ARBOR PUBLIC SERVICE 301 EAST HUBON STREET P.O. BOX 8647 ANN ARBOR, MICHIGAN 48107-8647 734-794-6410 www.a2gov.org

ADDENDUM 1 PLANS 82 OF 83



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