# MARKHAM ST. JUMP START IMPVTS. PH. 2 (CONWAY) (S) F.A.P. STPU-9095(41) ARDOT JOB 080636







SMART PLANNING MAKES SMART PLACES.



LOCATION MAP

 DESIGN TRAFFIC DATA

 DESIGN YEAR
 2041

 2021 ADT
 5,000

 2041 ADT
 5,800

 2041 DHV
 460

DIRECTIONAL DISTRIBUTION - - - 0.70

TRUCKS ----- 2%

DESIGN SPEED - ---- 30 MPH

## GARVER PROJECT NO. 16017122 APRIL 2022



VICINITY MAP

NO SCALE



SHEET NO.         TITLE         DRAWING NO.         DATE           1         COVER SHEET         G-001         G-001           2         INDEX OF SHEETS, GENERAL NOTES AND LEGEND         G-002         G-001           3-8         TYPICAL SECTIONS         C-101 TO C-106         C-201 TO C-202           9-10         LAYOUT DETAILS         C-201 TO C-202         C-201 TO C-202           11-12         INTERSECTION DETAILS         C-203 TO C-204         C-201 TO C-202           12         TITRESECTION DETAILS         C-203 TO C-204         C-201 TO C-402           22-21         TEMPORARY EROSION CONTROL PLAN         C-301         C-201 TO C-402           23-24         MANTENANCE OF TRAFFIC PLAN         C-601 TO C-602         C-22           25-26         SURVEY CONTROL DETAILS         C-601 TO C-602         C-29-30           25-26         SURVEY CONTROL DETAILS         C-601 TO C-602         C-29-30           27-28         PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702         C-31           27-30         DRAINGE PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-702         C-33           31         PAVEMENT MARKING AND SIGNING PLAN         C-801         C-802         C-801 TO E-202         C-801         C-801           33		INDEX OF SHEETS			
1         COVER SHEET         G-001           2         NDEX OF SHEETS, GENERAL NOTES AND LEGEND         G-002           3-8         TYPICAL SECTIONS         C-101 TO C-106           9-10         LAYOUT DETAILS         C-203 TO C-202           11-12         INTERSECTION DE TAILS         C-203 TO C-204           11-12         INTERSECTION DETAILS         C-205 TO C-212           21         SOL BORING LOG         C-212           22         TEMPORARY PROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DETAILS         C-601 TO C-602           27-28         PLAN NAD PROFILE - MARKHAM ST.         C-601 TO C-602           27-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           28-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-702           31         PAVEMENT MARKING AND SIGNING DETALS         C-801           32         PAVEMENT MARKING AND SIGNING DETALS         C-802           33         ELECTRCAL LEGEND         E-201 TO E-202           34-35         ELCOTRCAL LIFRASTRUCTURE PLAN         E-201 TO E-202           35-36         TELCOTRCAL DETALS         L-101           3	SHEET NO.	TITLE	DRAWING NO.	DATE	
2         INDEX OF SHEETS, GENERAL NOTES AND LEGEND         G-002           3-8         TYPICAL SECTIONS         C-101 TO C-106           9-10         LAYOUT DETALLS         C-201 TO C-202           11-12         INTERSECTION DETALLS         C-203 TO C-204           13-20         MISCELLANEOUS DETALLS         C-205 TO C-212           21         SOL BORINO LOG         C-212           22.1         TEMPORARY EROSION CONTROL PLAN         C-301 TO C-402           23-24         MAINTENANCE OF TRAFIC PLAN         C-401 TO C-402           23-24         MAINTENANCE OF TRAFIC PLAN         C-401 TO C-402           23-24         MAINTENANCE OF TRAFIC PLAN         C-601 TO C-602           23-24         MAINTENANCE OF TRAFIC PLAN         C-601 TO C-602           23-24         MAINTENANCE AND SIGNING DETALLS         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING DETALLS         C-801 TO E-202           32         PAVEMENT MARKING AND SIGNING DETALLS         C-801 TO E-202           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL DETALLS         L-011 TO E-202           36-37         ELECTRICAL DETALLS         L-001           41         LANDSCAPE PLAN         REAGATION DETALLS	1	COVER SHEET	G-001		
3-8         TYPICAL SECTIONS         C-01 TO C-106           9-10         LAYOUT DETAILS         C-201 TO C-202           11-12         INTERSECTION DETAILS         C-203 TO C-204           13-20         MISCELLANEOUS DETAILS         C-203 TO C-212           21         SOL BORING LOG         C-212           22         TEMPORARY EROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DETAILS         C-601 TO C-602           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           27-28         PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-801           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL DETAILS         I-101           34-35         ELECTRICAL DETAILS         I-101           34-35         ELECTRICAL DETAILS         I-101           36         IRRIGATION DETAILS         I-101           37         LECTRICAL DETAILS         I-101           38         IRRIGATION DETAILS         I-101 <t< td=""><td>2</td><td>INDEX OF SHEETS, GENERAL NOTES AND LEGEND</td><td>G-002</td><td></td></t<>	2	INDEX OF SHEETS, GENERAL NOTES AND LEGEND	G-002		
9-10         LAYOUT DETAILS         C-201 TO C-202           11-12         INTERSECTION DE TAILS         C-203 TO C-204           13-20         MISCELLANEOUS DE TAILS         C-205 TO C-212           21         SOL BORING LOG         C-212           22         TEMPORARY EROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DE TAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL DETAILS         E-501 TO E-202           38         RRIGATION DETALS         E-501 TO E-202           38-37         ELECTRICAL DETAILS         E-001           39-40         RRIGATION DETALS         E-001           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETALS         L-001           42         LANDSCAPE DETALS         L-011<	3-8	TYPICAL SECTIONS	C-101 TO C-106		
11-12         INTERSECTION DETAILS         C-203 TO C-204           13-20         MISCELLANEOUS DETAILS         C-205 TO C-212           21         SOL BORINGLOG         C-212           22         TEMPORARY EROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DETAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL INFRASTRUCTURE PLAN         E-201 TO E-202           36-37         ELECTRICAL NERASTRUCTURE PLAN         E-201 TO E-202           38-40         IRRIGATION PLAN         I-201 TO L-202           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE PLAN         L-201 TO L-202           441         LANDSCAPE PLAN         L-201 TO L-202           4550 <t< td=""><td>9-10</td><td>LAYOUT DETAILS</td><td>C-201 TO C-202</td><td></td></t<>	9-10	LAYOUT DETAILS	C-201 TO C-202		
13-20       MISCELLANEOUS DETAILS       C-205 TO C-212         21       SOIL BORING LOG       C-212         22       TEMPORARY EROSION CONTROL PLAN       C-301         23-24       MAINTENANCE OF TRAFFIC PLAN       C-401 TO C-402         25-26       SURVEY CONTROL DETAILS       C-501 TO C-502         27-28       PLAN AND PROFILE - MARKHAM ST.       C-601 TO C-602         29-30       DRANAGE PLAN AND PROFILE - MARKHAM ST.       C-701 TO C-702         31       PAVEMENT MARKING AND SIGNING DETAILS       C-802         32       PAVEMENT MARKING AND SIGNING DETAILS       C-802         33       ELECTRICAL LEGEND       E-001         34-35       ELECTRICAL DETAILS       C-802         36-37       ELECTRICAL DETAILS       E-501 TO E-202         38-37       ELECTRICAL DETAILS       L-201 TO E-202         38-38       IRRIGATION PLAN       I201 TO L-202         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE PLAN       C-4101 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CO-1       11/290         DETAILS OF DROP INLETS JUNCTION BOXES       FPC-9	11-12	INTERSECTION DETAILS	C-203 TO C-204		
21         SOL BORING LOG         C-212           22         TEMPORARY EROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DETAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRANAGE PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL LEGEND         E-501 TO E-202           36-37         ELECTRICAL INFRASTRUCTURE PLAN         E-501 TO E-502           37         BARIGATION DETAILS         I-101           38         IRRIGATION DETAILS         I-101           41         LANDSCAPE DETAILS         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE PLAN         S201 TO E-202           44-550         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-	13-20	MISCELLANEOUS DETAILS	C-205 TO C-212		
22         TEMPORARY EROSION CONTROL PLAN         C-301           23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DETAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL DETAILS         C-802           38         IRRIGATION DETAILS         E-501 TO E-202           38-37         ELECTRICAL DETAILS         E-501 TO E-202           38         IRRIGATION DETAILS         I-101           41         LANDSCAPE GENERAL NOTES         L-001           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-201 TO L-202           44-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           CURBING DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9           DETAILS OF DROP INLETS (TYPE MO) <td>21</td> <td>SOIL BORING LOG</td> <td>C-212</td> <td></td>	21	SOIL BORING LOG	C-212		
23-24         MAINTENANCE OF TRAFFIC PLAN         C-401 TO C-402           25-26         SURVEY CONTROL DE TAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL DETAILS         C-802           36-37         ELECTRICAL DETAILS         E-501 TO E-202           36-37         ELECTRICAL DETAILS         H101           39-40         IRRIGATION PLAN         I/201 TO L-202           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE PLAN         L/201 TO L-202           45-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           ARDOT STANDARD DRAWINGS           CURBING DETAILS           CURBING DETAILS           CURBING DETAILS           CURBING DETAILS           CONT NULETS JUNCTION BOXES<	22	TEMPORARY EROSION CONTROL PLAN	C-301		
25-26         SURVEY CONTROL DETAILS         C-501 TO C-502           27-28         PLAN AND PROFILE - MARKHAM ST.         C-601 TO C-602           29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING PLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL INFRASTRUCTURE PLAN         E-201 TO E-202           36-37         ELECTRICAL DETAILS         E-501 TO E-502           34         IRRIGATION PLAN         I-201 TO I-202           34-41         LANDSCAPE GENERAL NOTES         L-001           41         LANDSCAPE DETAILS         L-101           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         CG-1           11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES         CF-9           0         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           ARDOT STANDARD DRAWINGS           11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9           11/16/0         DETAILS OF DROP INLETS & JUNCTION BO	23-24	MAINTENANCE OF TRAFFIC PLAN	C-401 TO C-402		
27-28       PLAN AND PROFILE - MARKHAM ST.       C-601 TO C-602         29-30       DRAINAGE PLAN AND PROFILE - MARKHAM ST.       C-701 TO C-702         31       PAVEMENT MARKING AND SIGNING PLAN       C-801         32       PAVEMENT MARKING AND SIGNING DETAILS       C-802         33       ELECTRICAL LEGEND       E-001         34-35       ELECTRICAL LEGEND       E-001         36-37       ELECTRICAL DETAILS       E-501 TO E-202         38       IRRIGATION DETAILS       E-501 TO E-502         38       IRRIGATION DETAILS       L-001         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE DETAILS       L-101         44-4       LANDSCAPE DETAILS       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       GG-1       11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9       11/16/0         DETAILS OF DROP INLETS (TYPE C)       FPC-98       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-98       7/26/12	25-26	SURVEY CONTROL DETAILS	C-501 TO C-502		
29-30         DRAINAGE PLAN AND PROFILE - MARKHAM ST.         C-701 TO C-702           31         PAVEMENT MARKING AND SIGNING DLAN         C-801           32         PAVEMENT MARKING AND SIGNING DETAILS         C-802           33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL INFRASTRUCTURE PLAN         E-201 TO E-202           36-37         ELECTRICAL DETAILS         E-501 TO E-502           38         IRRIGATION DETAILS         E-101           39-40         IRRIGATION DETAILS         L-101           39-40         IRRIGATION DETAILS         L-001           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE PLAN         L-201 TO L-202           45-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           CURBING DETAILS           CURBING DETAILS         CG-1         11/29/0           DETAILS OF DROP INLETS & JUNCTION BOX STANDARD DRAWINGS         CX-1 TO CX-6           CURBING DETAILS         CG-1           CURBING DETAILS	27-28	PLAN AND PROFILE - MARKHAM ST.	C-601 TO C-602		
31       PAVEMENT MARKING AND SIGNING PLAN       C-801         32       PAVEMENT MARKING AND SIGNING DETAILS       C-802         33       ELECTRICAL LEGEND       E-001         34-35       ELECTRICAL LEGEND       E-001         34-35       ELECTRICAL DETAILS       E-201 TO E-202         36-37       ELECTRICAL DETAILS       E-501 TO E-502         38       IRRIGATION PLAN       E-201 TO E-202         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-001         43-44       LANDSCAPE DETAILS       L-101         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1         CURBING DETAILS         CORCH INLETS & JUNCTION BOXES         FPC-9         11/1/6/0         DETAILS	29-30	DRAINAGE PLAN AND PROFILE - MARKHAM ST.	C-701 TO C-702		
32       PAVEMENT MARKING AND SIGNING DETAILS       C-802         33       ELECTRICAL LEGEND       E-001         34-35       ELECTRICAL LEGEND       E-201 TO E-202         36-37       ELECTRICAL DETAILS       E-501 TO E-502         38       IRRIGATION DETAILS       E-501 TO E-502         38       IRRIGATION DETAILS       I-101         39-40       IRRIGATION DETAILS       I-101         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE DETAILS       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1         CURBING DETAILS         CURBING DETAILS       CG-1         CURBING DETAILS       CG-1         CURBING DETAILS         CURBING DETAILS       CG-1         CURBING DETAILS         CURBING DETAILS       CG-1         CURBING DETAILS       FPC-9         DETAILS OF DROP INLETS (TYPE C)       FPC-9E         DETAILS OF DROP INLETS (TYPE MO)       FPC-9N	31	PAVEMENT MARKING AND SIGNING PLAN	C-801		
33         ELECTRICAL LEGEND         E-001           34-35         ELECTRICAL INFRASTRUCTURE PLAN         E-201 TO E-202           36-37         ELECTRICAL DETAILS         E-501 TO E-502           38         IRRIGATION DETAILS         E-101 TO E-202           38         IRRIGATION DETAILS         E-101 TO E-202           38         IRRIGATION DETAILS         H101           39-40         IRRIGATION PLAN         H201 TO I-202           41         LANDSCAPE DETAILS         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE PLAN         L-201 TO L-202           45-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           RADOT STANDARD DRAWINGS           CURBING DETAILS           CURBING DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9           11//29/0         DETAILS OF DROP INLETS (TYPE C)         FPC-98           DETAILS OF DROP INLETS (TYPE C)         FPC-98         8/2200           DETAILS OF DROP INLETS (TYPE MO)         FPC-98         7/26/12           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/13           U-CH	32	PAVEMENT MARKING AND SIGNING DETAILS	C-802		
34-35         ELECTRICAL INFRASTRUCTURE PLAN         E-201 TO E-202           36-37         ELECTRICAL DETAILS         E-501 TO E-502           38         IRRIGATION DETAILS         E-101           39-40         IRRIGATION PLAN         I-101           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           44-4         LANDSCAPE PLAN         L-201 TO L-202           45-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           CURBING DETAILS         L-101           CURBING DETAILS         L-101           CURBING DETAILS         CG-1         11/29/0           DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9         11/16/0           DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9E         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9E         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9B         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9B         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9B         8/22/02	33	ELECTRICAL LEGEND	E-001		
36-37         ELECTRICAL DETAILS         E-501 TO E-502           38         IRRIGATION DETAILS         I-101           39-40         IRRIGATION PLAN         I-201 TO I-202           41         LANDSCAPE GENERAL NOTES         L-001           42         LANDSCAPE DETAILS         L-101           43-44         LANDSCAPE DETAILS         L-101           45-50         MARKHAM STREET CROSS SECTIONS         CX-1 TO CX-6           ARDOT STANDARD DRAWINGS           CURBING DETAILS         CG-1         11/29/0           DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9         11/1/6/0           DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9         8/22/02           DETAILS OF DROP INLETS (TYPE C)         FPC-9E         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9S         7/26/11           DETAILS OF DROP INLETS (TYPE MO)         FPC-9S         7/26/11           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/11           U-CHANNEL POST ASSEMBLIES         SHS-2         7/26/11           DETAILS OF SPECIAL ITEMS         SH1         10/25/11           DETAILS OF SPEC	34-35	ELECTRICAL INFRASTRUCTURE PLAN	E-201 TO E-202		
38       IRRIGATION DETAILS       I-101         39-40       IRRIGATION PLAN       I-201 TO I-202         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE PLAN       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1         CURBING DETAILS       CG-1         CURBING DETAILS       CG-1         CURBING DETAILS         DETAILS OF DROP INLETS (TYPE C)         FPC-9E         B/22/02         DETAILS OF DROP INLETS (TYPE MO)	36-37	ELECTRICAL DETAILS	E-501 TO E-502		
39-40       IRRIGATION PLAN       I-201 TO I-202         41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE PLAN       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6 <b>ARDOT STANDARD DRAWINGS</b> CURBING DETAILS         CURBING DETAILS         CURBING DETAILS         CURBING DETAILS         CURBING DETAILS         CURBING DETAILS         COURDENT IN ETS & JUNCTION BOXES         FPC-9         11/1/6/0         DETAILS OF DROP INLETS (TYPE C)         FPC-9E         B/22/02         DETAILS OF DROP INLETS (TYPE C)         DETAILS OF DROP INLETS (TYPE MO)         DETAILS OF DROP INLETS (TYPE MO)         DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         CC-1         2/2/2/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         DETAILS OF SPECI	38	IRRIGATION DETAILS	F101		
41       LANDSCAPE GENERAL NOTES       L-001         42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE PLAN       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         CURBING DETAILS       CG-1         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9         DETAILS OF DROP INLETS (TYPE C)       FPC-9E       8/2202         DETAILS OF DROP INLETS (TYPE MO)       FPC-9M       8/2202         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/12         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES       SHS-1       9/12/12 <td col<="" td=""><td>39-40</td><td>IRRIGATION PLAN</td><td>I-201 TO I-202</td><td></td></td>	<td>39-40</td> <td>IRRIGATION PLAN</td> <td>I-201 TO I-202</td> <td></td>	39-40	IRRIGATION PLAN	I-201 TO I-202	
42       LANDSCAPE DETAILS       L-101         43-44       LANDSCAPE PLAN       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1       11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9       11/16/0         DETAILS OF DROP INLETS (TYPE C)       FPC-9E       8/22/02         DETAILS OF DROP INLETS (TYPE C)       FPC-9B       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9B       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/11         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES       SHS-1       9/12/11         U-CHANNEL POST ASSEMBLIES       SHS-2       7/26/11         DETAILS OF SPECIAL ITEMS       SH1       10/25/11         DETAILS OF SPECIAL ITEMS       SH1       10/25/11         DETAILS OF SPECIAL ITEMS       SH1       10/25/11         DETAILS OF SPECIAL ITEMS	41	LANDSCAPE GENERAL NOTES	L-001		
43-44       LANDSCAPE PLAN       L-201 TO L-202         45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1       11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9       11/16/0         DETAILS OF DROP INLETS (TYPE C)       FPC-9E       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9M       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/12         DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)       FPC-9S       7/26/12         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES       SHS-1       9/12/13         U-CHANNEL POST ASSEMBLIES       SHS-2       7/25/14         DETAILS OF SPECIAL ITEMS       SH1       10/25/14         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-1       11/17/14         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-2       5/20/22         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-3       8/12/27         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-3       8/12/27         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-3	42	LANDSCAPE DETAILS	L-101		
45-50       MARKHAM STREET CROSS SECTIONS       CX-1 TO CX-6         ARDOT STANDARD DRAWINGS         CURBING DETAILS       CG-1       11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9       11/16/0         DETAILS OF DROP INLETS (TYPE C)       FPC-9E       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9M       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/12         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES       SHS-1       9/12/13         U-CHANNEL POST ASSEMBLIES       SHS-2       7/25/19         DETAILS OF SPECIAL ITEMS       SH-1       10/25/11         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-1       11/17/15         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-2       5/20/2'         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-3       8/12/2'         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION<	43-44	LANDSCAPE PLAN	L-201 TO L-202		
ARDOT STANDARD DRAWINGS           CURBING DETAILS         CG-1         11/129/0           DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9         11/16/0           DETAILS OF DROP INLETS (TYPE C)         FPC-9E         8/22/0           DETAILS OF DROP INLETS (TYPE MO)         FPC-9M         8/22/0           DETAILS OF DROP INLETS (TYPE MO)         FPC-9S         7/26/12           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/15           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/15           DETAILS OF SPECIAL ITEMS         SI-1         10/25/11           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/17/15           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/1	45-50	MARKHAM STREET CROSS SECTIONS	CX-1 TO CX-6		
CURBING DETAILS       CG-1       11/29/0         DETAILS OF DROP INLETS & JUNCTION BOXES       FPC-9       11/16/0         DETAILS OF DROP INLETS (TYPE C)       FPC-9E       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9M       8/22/02         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/11         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/11         DETAILS OF DROP INLETS (TYPE MO)       FPC-9S       7/26/11         CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING       PCC-1       2/27/14         STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES       SHS-1       9/12/11         U-CHANNEL POST ASSEMBLIES       SHS-2       7/25/15         DETAILS OF SPECIAL ITEMS       SH1       10/25/11         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-1       11/17/15         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-2       5/20/22         STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION       TC-3       8/12/22         STANDARD TRAFFIC CONTRO		ARDOT STANDARD DRAWINGS			
DETAILS OF DROP INLETS & JUNCTION BOXES         FPC-9         11/16/0           DETAILS OF DROP INLETS (TYPE C)         FPC-9E         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9M         8/22/02           DETAILS OF DROP INLETS (TYPE MO)         FPC-9M         8/22/02           DETAILS OF DROP INLETS JUNCTION BOX (TYPE ST)         FPC-9S         7/26/12           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/12           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/02           DETAILS OF SPECIAL ITEMS         SH1         10/25/14           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/17/12           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22		CURBING DETAILS	CG-1	11/29/0	
DETAILS OF DROP INLETS (TYPE C)     FPC-9E     8/22/02       DETAILS OF DROP INLETS (TYPE MO)     FPC-9M     8/22/02       DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)     FPC-9M     8/22/02       CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING     PCC-1     2/27/14       STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES     SHS-1     9/12/13       U-CHANNEL POST ASSEMBLIES     SHS-2     7/25/11       DETAILS OF SPECIAL ITEMS     SI-1     10/25/1       STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION     TC-1     11/17/15       STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION     TC-2     5/20/22       STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION     TC-3     8/12/22       TEMPORARY EROSION CONTROL DEVICES     TEC-1     11/16/14		DETAILS OF DROP INLETS & JUNCTION BOXES	FPC-9	11/16/0	
DETAILS OF DROP INLETS (TYPE MO)         FPC-9M         8/22/02           DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)         FPC-9S         7/26/12           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/13           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/19           DETAILS OF SPECIAL ITEMS         SH1         10/25/11           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/17/19           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2'           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2'           TEMPORARY EROSION CONTROL DEVICES         TEC-1         11/16/14		DETAILS OF DROP INLETS (TYPE C)	FPC-9E	8/22/02	
DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)         FPC-9S         7/26/12           CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         2/27/14           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/12           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/19           DETAILS OF SPECIAL ITEMS         SI-1         10/25/1           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/17/19           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           TEMPORARY EROSION CONTROL DEVICES         TEC-1         11/16/11		DETAILS OF DROP INLETS (TYPE MO)	FPC-9M	8/22/02	
CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING         PCC-1         212714           STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/13           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/13           DETAILS OF SPECIAL ITEMS         SH1         10/25/13           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/7/13           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/22           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           STANDARD TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION         TC-3         8/12/22           STANDARD TRAFFIC CONTROL DEVICES         TEC-1         11/16/14		DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)	EPC-9S	7/26/12	
STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES         SHS-1         9/12/17           U-CHANNEL POST ASSEMBLIES         SHS-2         7/25/15           DETAILS OF SPECIAL ITEMS         SH-1         10/25/1           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/17/15           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2*           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2*           TEMPORARY EROSION CONTROL DEVICES         TEC-1         11/16/1		CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING	PCC-1	2/27/14	
U-CHANNEL POST ASSEMBLIES SHIST STATEMENT OF THE STATEMEN		STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES	SHS-1	9/12/13	
DETAILS OF SPECIAL ITEMS         SIJ 2         District           DETAILS OF SPECIAL ITEMS         SIJ 1         10/25/1           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11/7/15           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2'           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2'           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2'           TEMPORARY EROSION CONTROL DEVICES         TEC-1         11/16/1'		U-CHANNEL POST ASSEMBLIES	SHS-2	7/25/19	
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-1         11//71           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2*           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2*           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2*           TEMPORARY EROSION CONTROL DEVICES         TEC-1         11//76/4*		DETAILS OF SPECIAL ITEMS	SI-1	10/25/1	
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-2         5/20/2"           STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION         TC-3         8/12/2"           TEMPORARY ERSION CONTROL DEVICES         TEC-1         11/16/1		STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-1	11/7/19	
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION TC-3 8/12/2' TEMPORARY EROSION CONTROL DEVICES TEC-1 11/1/6/1		STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-2	5/20/21	
TEMPORARY EROSION CONTROL DEVICES TEC-1 11/16/1		STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-3	8/12/21	
		TEMPORARY EROSION CONTROL DEVICES	TEC-1	11/16/1	

### LEGEND BOREHOLE

🗕 — SIGN 🚾 — GAS METER 69 — SANITARY MANHOLE → — WATER VALVE 😠 — WATER METER 99 — STORM DRAIN MANHOLE ☑ — TELEPHONE RISER E — ELECTRIC JUNCTION BOX 😁 — FIBER OPTIC MANHOLE -O-- UTILITY POLE GUY ANCHOR 🔆 — LIGHT POLE

ONTROL POINTS

	EXISTING CENTERLINE	
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### GENERAL NOTES:

- CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS; HOWEVER, ALL EXISTING 1. UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. SOME UTILITIES MAY HAVE BEEN RELOCATED SINCE THE TIME OF DESIGN AND THE CONTRACTOR'S NOTICE TO PROCEED. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE, AND ARE THE LOCATIONS AT THE TIME OF DESIGN.
- 2. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE з. RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND 4. WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT 5. LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- 6. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED 7. AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE 8. SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL DROP INLETS AND JUNCTION BOXES SHALL BE CAST IN PLACE. 9.

	CERTIFICATION	GARV LLC No. 7	ER NG	MILLION INC.
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1. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM NORMAL SLOPES. NO

2. THE THICKNESS OF AGG. BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS

CURB AND GUTTER, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE ENGINEER. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN









## **TYPICAL SECTION GENERAL NOTES**

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3. THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT THE LANE

4. PRIOR TO AND DURING PLACEMENT OF PAVEMENT IN FRONT OF THE CURB AND GUTTER, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES. THE METHOD(S) USED SHALL BE APPROVED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN





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5. ASPHALT FOR LEVELING OF EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND/OR LEVELING OPERATIONS SHALL BE CALCULATIONS WILL NOT BE PAID FOR DIRECTLY, BUT PAYMENT WILL BE

REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE TO THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S





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1. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.





DLTackett 4/20/2022 5:36:17 PM WORKSPAGE:Garver\_2012 L:2016116017122 - Corrway - Markham Street/Drawings\_Phase 2/CMSI-C20



DLTackett 4/20/2022 5:36:26 PM WORKSPACE:Carver\_2012 L:2016t16017172 - Corwav - Markham Street/Drawings\, Phase 2/CMSH-C



DLTackett 4/20/2022 5:36:38 PM WORKSPACE:Garver\_2012 L:2016/16017122 - Comway - Markham Street(Drawings\\_Phase 2\CMK



DLTackett 4/20/2022 5:36:41 PM WORKSSAACE-Garver 2012 L:2016116017122 - Cornway - Markham Street/Drawings\\_Phase 2/CMSH-



DLTackett 4/20/2022 5:36:45 PM WORKSPACE:Garver 2012 1.000484:60174120 Common Machine Stravil Development 2012





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IMPVTS. PH.

START

JUMP

MARKHAM ST. (CONWAY) (S)

PA ackett RKSPACE Garver\_2012 016/16017122 - Conway



- 4 SEE LANDSCAPE PLANS FOR TREE PLANTING DETAILS.

PLANTINGS/ 5'-0" FURNISHING ZONE CYCLE TRACK (4" U.T.) (4" U.T.) LIMITS OF PAYMENT CONSTRUCTION JOINT 2.00% MAX. Δ Δ Δ ۰ م <sup>م</sup>  $\geq$ ۵ ۵ . <u>م</u> م 12" 4" CONCRETE WITH MEDIUM BROOM FINISH. SAW CUT CONTROL JOINT 1/4" WIDE X 1" DEEP 12'-0" O.C.

### SECTION THROUGH JOINTS N.T.S.

CONCRETE CYCLE TRACK CONSTRUCTION NOTES:

- ALL WORK SHALL COMPLY WITH SECTIONS 303 & 633 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. 1 FULL DEPTH EXPANSION JOINTS WITH DOWELS ARE REQUIRED AT THE END OF EACH DAYS POUR, ADJACENT TO ALL EXISTING CONCRETE, LOCATIONS ABUTING PROPOSED DRIVEWAYS, AND TRANSITIONS FROM CYCLE TRACK TO CONCRETE COMBINATION CURB AND GUTTER 2. TYPE A) (6'-6") AS SHOWN ON THE CYCLE TRACK TRANSITION DETAIL.
- ONE-QUARTER DEPTH (ONE INCH) SAW-CUT JOINTS SHALL BE PLACED IN CONCRETE AT REGULAR INTERVALS MATCHING THE WIDTH, BUT NOT TO EXCEED 12 FEET APART. JOINTS SHALL BE PLACED 24 HOURS AFTER CONCRETE HAS BEEN FINISHED UNLESS APPROVED BY THE 3. ENGINEER
- ALL EXPANSION JOINTS AND SAW JOINTS SHALL BE SEALED WITH JOINT SEALANT MEETING THE REQUIREMENTS SET FORTH IN THE ARKANSAS 4. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.









DLTackett 4/20/2022 5:37:01 PM WORKSPACE:Garver\_2012 L:2016/16017122 - Conway - Markham Street/Drawings\\_Phase 2/CMSI-C2







					SOII	BORIN	g log				
	APPROX.		SAMPLE	WATER		ATTERBERG	LIMITS	Percent	Percent		
BORING	STATION	OFFSET	DEPTH	CONTENT	LIQUID	PLASTIC	PLASTICITY	Retained on	Passing No.	UNIFIED	AASHTO
NO.	(ft)	(11)	(ft)	(%)	LIMIT	LIMIT	INDEX	No. 4, %	200, %	CLASS.	CLASS.
4	47+15	24' LT.	4.5-5.5		39	19	20			CL	A-6
5	48+70	21' RT.	2.5-3.5	31	56	24	32		95	СН	A-7-6
6	48+98	54' RT.	1-2	28	45	20	25		88	CL	A-7-6
SOIL CHA	RACTERIS	TICS TABL	ILATED AB	OVE ARE RE	EPRESEN	TATIVE AT	THE LOCATIO	ON OF THE SA	MPLE, AND	FROM SURF	ACE
INDICATI	ONS ARE T	YPICAL FO	OR THE LIN	IITS SHOWI	N. THESE	DATA ARE	E SHOWN FOR	R INFORMATI	ON ONLY. TI	HE OWNER \	<b>WILL NOT</b>
BE RESPO	ONSIBLE FC	or variat	TONS IN TH	HE SOIL CH	ARACTEF	RISTICS AN	D/OR EXTENT	OF SAME DI	FFERING FRO	OM THE ABC	VE
TABULAT	IONS.										

lgn





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N DLTackett 4 WORKSPACE:Garver L'\2016/16017122 - Coi



PZ 2012 2012 DLTackett 4/ WORKSPACE Garver 2 L:\2016\16017122 - Con

CIAL II) AREA	) A (SQ. YD.) 28.78	0' 10	20' (IN	40' =EET)	60'	CENTRAL CERTIN	ARVER 1. T66 
						ARK ARK LICI PROFE ENG K. No.	NTE 22 ANSAS ANSAS A A ANTO ENSED ISSIONAL INDEER 14994 L.TACE pred 04/22/2022
						ВУ	
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						REV	
					340		PLANNING MAKES SWART PLACED
					335	Σ	RATINPVTS
					330	SAS	UMP STAF
					325	DPLAN DCK, ARKANS	HAM ST. JI (AY) (S)
					320		MARKH (CONW
					315	PLAN AND MARKHAM (SHEET 2	PROFILE - 1 ST. OF 2)
					310	JOB NO.: <sup>2</sup> DATE: API DESIGNEI	16017122 RIL 2022 D BY: DLT
					305	DRAWN B BAR IS ORIGIN	Y: DLT DNE INCH ON AL DRAWING 1" CH ON THIS SHEET.
					300	ADJUST SCAL	IG NUMBER
						SHEET	28



DLTackett 4/20/2022 5:55:13 PM WORKSPACE:Garver\_2012 L:2016116017122 - Corway - Markham Street\Drawings\ Phase 2'

STA. 47+98.00 CONSTRUCT         17.92 CONSTRUCT       TYPE E JUNCTION BOX 35.00' LT.         NUNCTION BOX 35.00' LT.       WITH 44" x27" x76" R.C. ARCH PIPE TO         x 27" x 66" R.C. ARCH PIPE TO       JUNCTION BOX AT STA. 46+47.50 LT.         + 3'-6")       HE 4'-27" x70" R.C. ARCH PIPE         R.C. ARCH PIPE       (CLASS III) (TYPE 3 BEDDING) = 76 LIN. FT.         17.92 CONSTRUCT       STA. 47+98.00 CONSTRUCT         E THROAT DROP INLET 17.00' LT.       STA. 47+98.00 CONSTRUCT         E THROAT DROP INLET 17.00' LT.       WITH 18" x 13" R.C. PIPE TO         JUNCTION BOX AT STA. 47+17.92 LT.       (4' x 5' x H = 3'-2")         N BOX AT STA. 47+17.92 LT.       (4' x 5' x H = 3'-2")         N BOX AT STA. 47+17.92 LT.       (4' x 5' x H = 3'-2")         18" R.C. PIPE TO       JUNCTION BOX AT STA. 47+98.00 LT.         (4' x 5' x H = 3'-2")       18" R.C. PIPE (CLASS III)         PIPE (CLASS III)       (TYPE 3 BEDDING) = 13 LIN. FT.         SEDDING) = 13 LIN. FT.       SDL         SDL       SDL         SDL       SDL	GARVER LLC No. 766 ARKANSAS LICENSED No. 13653 No. 13653 K. WILSON
	BY
STA. 47+98.00 CONSTRUCT REVERSE THROAT DROP INLET 17,00° RT, WITH 4' EXTENSION AND 22" x 14" x 29" R.C. ARCH PIPE TO DROP INLET AT STA. 47+98.00 LT. (4' x 5' x H = 3'-0") 22" x 14" R.C. ARCH PIPE (CLASS IV) (TYPE 3 BEDDING) = 29 LIN. FT.	DESCRIPT
Int. 47+02.43 CONSTRUCT         EVERSE THROAT DROP INLET 17.00' RT.         ITH 4' EXTENSION AND         ''x 14'' x33'' R.C. ARCH PIPE TO         ''x 14'' x33'' R.C. ARCH PIPE TO         ''x 14'' R.C. ARCH PIPE         LASS IV) (TYPE 3 BEDDING) = 33 LIN. FT.	REV. DAT
NUTES: STATION AND OFFSET SHOWN TO CENTER OF DRAINAGE STRUCTURE (TYP.) 340	
EXISTING SANITARY SEWER UTILITIES SHOWN ON THE     DRAINAGE PROFILES REPRESENT APPROXIMATE     CROSSING ELEVATIONS AT PIPE AND DRAINAGE     STRUCTURE LOCATIONS     335	RT IMPV
3. ALL DROP INLETS AND JUCNTION BOXES SHALL BE CAST IN PLACE 330	as IMP STAF
325	PLAN CK, ARKANS, CK, ARKANS, CK, ARKANS, CK, ARKANS, AM ST. JU
320	METROI LITTLE ROI MARKHJ (CONW/J
101 III +98.00 LT. 17.00' LT. 315 22 TOP = 321.98 31 F.L. = 318.84	DRAINAGE PLAN AND PROFILE - MARKHAM ST. (SHEET 1 OF 2)
17.92     35.00' LT.     +98.00 RT.       OP = 322.14     TOP = 321.98       .L. = 318.67     F.L. = 319.00       17.92     17.00' LT.       OP = 321.34     TOP = 322.78	JOB NO.: 16017122 DATE: APRIL 2022 DESIGNED BY: AEW
L. = 318.71 F.L. = 318.81 305	BAR IS ONE INCH ON ORIGINAL DRAWING 0 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
300	DRAWING NUMBER
48+00	SHEET 29



DLTackett 4/20/2022 5:55:14 PM WORKSPACE-Garver\_2012 L:V2016116017122 - Comvav - Markham Street\Drawings\ Phe

			0' 10	20' (IN F	40'	60'	CENTRY CENTRY	GARV GARV LLC No. 7 SAS-F	ER 766 55AS	
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							Digit	ally Signed	04/22/2022	-
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NOT	ES:						5		H. 2	
1.	STATION AN DRAINAGE	ND OFFSET : STRUCTURE	SHOWN TO E (TYP.)	CENTER OF		340		AETR Mart Planning	IS. PI	
2.	EXISTING S DRAINAGE CROSSING STRUCTURI	ANITARY SE PROFILES R ELEVATION E LOCATION	WER UTILIT EPRESENT S AT PIPE A IS	IES SHOWN APPROXIMA ND DRAINAC	ON THE ∖TE ≩E	335		2 5	RT IMPV1	
3.	ALL DROP I BOXES SHA	NLETS AND LL BE CAST	JUCNTION IN PLACE			330	AS		JMP STA	
						325	PLAN CK, ARKANS		AM ST. JI	(>) (
						320			MARKH,	
						315	DRAIN PROF MARK (SHEE	IAGE PI ILE - HAM ST T 2 OF	LAN AND r. 2)	)
						310	JOB N DATE: DESIG	IO.: 160 APRIL SNED B	17122 2022 Y: AEW	
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PA DLTackett 4/20/20 WORKSPACE.Garver\_2012 L'2016\16017122 - Conway

## ELECTRICAL SYMBOLS LEGEND

0	NEW POLE FOUNDATION. LUMINAIRE AND POLE TO BE INSTALLED BY CONWAY CORPORATION. SEE NOTES, PLANS, AND SCHEDULES FOR MORE INFORMATION.
РВ	PULLBOX, SIZE AS NOTED IN PLANS AND DETAILS.
SP	SERVICE POINT, REFER TO ONE-LINE DIAGRAMS FOR MORE INFORMATION.
	CONDUIT AS NOTED IN NOTES AND SCHEDULES. WIRE TO BE INSTALLED BY CONWAY CORPORATION.
÷	3/4" x 10' COPPER CLAD GROUND ROD.
PEC	WATERPROOF PHOTOELECTRIC CONTROL
$\mathbb{M}$	METER TO BE PROVIDED BY CONWAY CORPORATION
+	LIGHTING CONTACTOR
o o SPD	SURGE PROTECTIVE DEVICE WITH INDICATING LIGHTS
°)20A/1P	CIRCUIT BREAKER, TRIP RATING AND POLE NUMBER SHOWN
$\bigcirc$	20 AMP DUPLEX RECEPTACLE, WITH GROUND WIRE

### ABBREVIATIONS

A AIC AUX BKR C BC C B B B C C B B B C C B B B C C C B C C B C C B C C C B C C C B C C C B C	AMP AMPS INTERRUPTING CAPACITY AUXILIARY BREAKER CONDUIT CIRCUIT BREAKER PVC COATED GALVANIZED RIGID STEEL DIRECT EARTH BURIED EMPTY OR EMBEDDED CONDUIT EQUIPMENT GROUND ELECTRICAL METALLIC TUBING FUSED DISCONNECT SWITCH GROUND FAULT CIRCUIT INTERRUPTER GROUND GAULT CIRCUIT INTERRUPTER GROUND GALVANIZED RIGID STEEL HAND-OFF-AUTO HOUR JUNCTION BOX KILOVOLT-AMPERE KILOVOLT-AMPERE, REACTIVE KILOWATT

LO LUGS ONLY LOR LOCAL-OFF-REMOTE LSI LONG, SHORT, INSTANTANEOUS LSIG LONG, SHORT, INSTANTANEOUS, GROU LV LOW VOLTAGE MCB MAIN CIRCUIT BREAKER MIN MINIMUM MLO MAIN LUGS ONLY N NEUTRAL PEC PHOTO ELECTRIC CELL PNL PANEL PVC SCHEDULE 40 POLYVINYL CONDUIT RECPT RECEPTACLE SE SERVICE ENTRANCE SN SOLID NEUTRAL SPD SURGE PROTECTIVE DEVICE SS STAINLESS STEEL STA STATION SW SWITCH TC TIME CLOCK TR TAMPER RESISTANT UG UNDERGROUND UGE UNDERGROUND ELECTRIC UGP UNDERGROUND ELECTRIC UGP UNDERGROUND ELECTRIC UGP UNDERGROUND PIMARY UON UNLESS OTHERWISE NOTED V VOLT VA VOLT-AMP WP WEATHERPROOF	JND

	FI
STATIO	Ν
42+91.00	
42+91.18	
43+36.84	
43+51.67	
43+82.66	
43+97.66	
44+29.46	
44+44.61	
44+76.26	
44+91.56	
45+22.03	
45+37.52	
45+82.70	
45+83.19	
46+40.23	
46+40.72	
40+85.89	
47+01.38	
47+29.75	
47+741.30	
4/+/4.3/	
47+02.31	
48+23.28	
48+63.22	
48+63 22	
49+14 22	
49+14 22	
49+59.22	
49+74.22	
50+04.22	

## GENERAL NOTES:

- SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET BUT NOT BE UTILIZED ON THE PROJECT.
- 2. LEGEND SHOWS EXAMPLE IDENTIFIERS, REFER TO NOTES AND PLANS FOR MORE INFORMATION.
- ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARDS AND DETAILS, AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITIONS.
- CONDUIT INSTALLED UNDER ROADWAY SECTIONS SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINEES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD MAY BE USED.
- 5. CONTRACTOR SHALL USE HDPE OR PVC FOR BORING. SECTIONAL PVC SHALL BE UL LISTED AND MARKED FOR USE IN DIRECTIONAL BORING.

					-		-		
IF A	JC DA DE DF			REV.	DATE	DESCRIPTION	BΥ		
	DB NC ATE: A ESIGN RAWN BAF	DI LITTLE ROCK, ARKANSAS						PRO PRO ELECTION Digitally	CERTICAL
	).: 160 APRIL IED B I BY: (	RICAL	METROPLAN SMART PLANNING MAKES SWART PLACES.					Signed	GARV LLC No. 7
	17122 2022 Y: NAI CJH	い 第一 MARKHAM ST. JUMP START IMPV	/TS, PH, 2					SAS SED IONAL EER 53 HOL	ER NGIN
1* SHEET, NGLY.	2	E (CONWAY) (S)						22	MUMBER NOT

ΙХΤ	URE LOCATIO	ON SCHEDULE
	OFFSET	FOUNDATION TYPE
	21.67 LT.	TYPE I
	21.67 RT.	TYPE II
	21.67 RT.	TYPE II
	21.67 LT.	TYPEI
	21.67 RT.	
	21.67 LT.	TYPE III
	21.67 RT.	
	21.67 LT.	TYPE III
	21.67 RT.	TYPE III
	21.67 LT.	TYPE III
	21.67 RT.	TYPEI
	21.67 LT.	TYPEI
	21.67 RT.	TYPEI
	21.67 LT.	TYPE I
	21.67 RT.	TYPE
	21.67 LT.	TYPEI
	21.67 RT.	TYPE I
	21.67 LT.	TYPE I
	21.67 RT.	TYPE III
	21.67 LT.	TYPE III
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	21.67 RT	TYPE III
	21.67 LT.	TÝPĒ III
	21.67 RT.	TYPE
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	21.67 LT	TYPE
	21.67 RT.	TYPE

- 1. CONWAY CORPORATION.
- 2
- 3. THERE ARE MINIMUM CONFLICTS.
- 4. DRIVEWAYS SHALL BE SCHEDULE 80 PVC.
- 5.







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lackeu DRKSPACE Garver 2016/16017122 - Co

- ALL HARDWARE SHALL BE CORROSION RESISTANT, GALVANIZED RIGID STEEL
- CONSTRUCT FOUNDATION IN ACCORDANCE WITH POLE MANUFACTURER'S GUIDELINES, INSTALLING BOLT TEMPLATE LEVELING UNIT, ANCHOR BOLTS, FULL BASE-PLATE BOLT COVER, AND ACCESSORIES FOR A COMPLETE INSTALLATION. COORDINATE WITH CONWAY CORPORATION FOR POLE MANUFACTURER'S DATA AS REQUIRED
- USE LONG SWEEP 90 DEGREE ELBOWS ON ALL CONDUIT BENDS.
- PROVIDE NEW INSULATED GROUNDING BUSHING, BONDED TO DEDICATED #6 AWG ALUMINUM GROUND WIRE FOR EACH POLE FOUNDATIONS GROUND ROD. COORDINATE WITH CONWAY CORPORATION ON FINAL CONNECTIONS OF GROUNDING BUSHINGS AND OTHER ITEMS TO POLE GROUND ROD.
- WHERE POLE FOUNDATION IS ON A SLOPED SURFACE PROVIDE 1' FLAT GRADE EARTH BEFORE RETURNING TO SLOPE. COORDINATE WITH ROADWAY PLANS.

4" THICK SIDEWALK

### 2" PVC CONDUIT

STANDARD METAL ELBOWS TO BE USED WITH 2" CONDUITS

### PULL BOX NOTES:

- 2. CORPORATION
- 3.



4'-0"



FOOTING REINFORCING AND ANCHOR BOLT DETAILS SIMILAR TO SPREAD TYPE POLE FOOTING DETAIL SHOWN THIS SHEET.

### TYPE III POLE FOUNDATION DETAIL

SCALE: NONE





PULL BOX SHALL BE INSTALLED FLUSH TO SURROUNDING GRADE UNLESS OTHERWISE INSTRUCTED BY ENGINEER.

PULL BOX SHALL BE NEW BASIS MODEL #PCA13241800019, 13 x 24 x 18, TIER 22 TYPE OR QUAZITE MODEL #PG1324BA18, WITH PG1324HHT09P LID; OR APPROVED EQUAL PULL BOX AS PERMITTED AND APPROVED BY CONWAY

PULL BOX LID SHALL UTILIZE PENTA HEAD STYLE BOLTS.

PROVIDE MINIMUM 3' SLACK PULL ROPE IN EACH PULL BOX

EXACT LOCATION OF EACH PULL BOX SHALL BE APPROVED BY CONWAY CORPORATION AND ENGINEER PRIOR TO INSTALLATION.

INSTALL 3/4" x 10'-0" DEDICATED COPPER CLAD GROUND ROD IN EACH PULL BOX.

## PULL BOX DETAIL

SCALE: NONE

## TYPICAL ENGRAVED NAMEPLATE AND SIGNAGE DETAIL

SCALE: NONE

	CENTRAL CENTRAL	GARV GARV LLC No. 7	ER 66	TON NUMBER
1	PRC	RKAN ICENS DFESS NGIN No.161	SAS SED IONAL EER 53 HOL	
BΥ	Digitali	, olânea	04/22/20	~~~
DESCRIPTION				
DATE				
REV.				
			MARKHAM ST. JUMP START IMPVTS. PH. 2	(CONWAY) (S)
EL (S JC DA DE DF	ECTF HEET DB NC ATE: A ESIGN RAWN	RICAL 1 OF 1 OF 1 ED B 1 ED B 1 BY: (	DETA 2) 17122 2022 Y: NAH CJH	ILS
IF A				1" HEET, NGLY. ER



CAUTION BURIED ELECTRIC LINE BELOW

POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.

COMMUNICATION MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH ORANGE BACKGROUND AND BLACK LETTERING, "TELEPHONE LINE" OR "FIBER OPTIC LINE" RESPECTIVELY.

TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND / OR EXCEEDING ALL INDUSTRY STANDARDS.

## UNDERGROUND DETECTABLE WARNING TAPE

SCALE: NONE

INSTALL ALL NAMEPLATES AND WARNING SIGNS IN ACCORDANCE WITH NEC AND NFPA 70E REQUIREMENTS.

INSTALL NAMEPLATES AND WARNING SIGNS ON ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, SWITCHES, CONTROL PANELS, AND MOTOR CONTROL CENTERS.

EXSTERIOR EQUIPMENT SHALL HAVE WEATHER-RESISTANT, NON-FADING NAMEPLATES AND SIGNAGE.

REFER TO SPECIFICATIONS FOR ADDITIONAL NAMEPLATE AND SIGNAGE

- THE FOLLOWING NAMEPLATES SHALL BE INCLUDED: A. EQUIPMENT NAMEPLATE PER DETAIL AND NEC
  - CONDUCTOR COLOR CODING IDENTIFICATION NAMEPLATE PER NEC ARTICLES 200.6, 210.5 AND 215 12; VERIFY IDENTIFICATION SCHEME WITH AHJ AND ENGINEER
  - ARC FLASH HAZARD WARNING SIGN PER NEC ARTICLE 110.16 AND NFPA 70E
  - AVAILABLE FAULT CURRENT SIGN INCLUDING DATE CALCULATED, PER NEC ARTICLE 110.24 (THIS IS CALCULATED VALUE, NOT EQUIPMENT RATING)
  - ARC FLASH BOUNDARY, SHOCK HAZARD, AND PPE REQUIREMENT WARNING SIGN PER NEC AND NFPA 70E
  - WHEN REQUIRED, PROVIDE HIGHLEG IDENTIFICATION SIGN OR UNGROUNDED SYSTEM SIGN BY NEC ARTICLE 408.3(F)

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61	PRC PRC Digitally	RKAN ICENS FESS FESS NGINI No.161	SAS SED IONAL EER 53 N HOL	22
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			A MARKHAM ST. JUMP START IMPVTS. PH. 2	(CONWAY) (S)
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4" POP-UP TURF SPRAY





### SLEEVING / BORING NOTES

COORDINATE EXACT LOCATION OF SLEEVES WITH GENERAL CONTRACTOR.

ALL SLEEVING UNDER DRIVEWAYS, SIDEROADS AND SIDEWALKS SHALL BE BURIED A MIN. OF 24" BELOW THE FINISHED GRADE

ENDS OF SLEEVES SHALL EXTEND 12" PAST THE EDGES OF ALL PAVING AND CURBS AND BE CLEARLY MARKED FOR FUTURE USE BY THE SPRINKLER SYSTEM CONTRACTOR.

BELOW EXISTING DRIVES, BORE & REAM FOR SLEEVES AS NOTED ON THE DRAWING OR AS MAY BE REQUIRED FOR ACCESS.

BORING SHALL BE DONE BY THE DIRECTIONAL BORING METHOD.

DRY BORES SHALL BE CONDUCTED IN A MANNER CONSISTENT WITH INDUSTRY ACCEPTED PRACTICES THAT MINIMIZE ANNULAR VOIDS AND OVER-BREAKS AND PROTECT THE INTEGRITY OF GROUND COVER, SURFACES AND STRUCTURES. IN NO CASE SHALL OVERBORE EXCEED 5 PERCENT OF THE PIPE DIAMETER. THE USE OF WATER UNDER PRESSURE GREATER THAN 10 POUNDS PER SQUARE INCH TO JET A HOLE AHEAD OF THE BIT IS NOT PERMITTED.

WET BORING IS NOT ALLOWED.

### GENERAL NOTES

CONTRACTOR SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S CURRENT SPECIFICATIONS AND RECOMMENDATIONS

COORDINATE EXACT LOCATION AND CONDITION OF EXISTING WATER METERS, BACKFLOW PREVENTERS, CONTROLLERS AND RAIN/FREEZE SENSORS, INSTALLED DURING PHASE 1, WITH THE GENERAL CONTRACTOR AND OWNER. COORDINATE LOCATIONS WHERE PHASE 1 PIPING AND WIRING STOPPED. THAT IS THE BEGINNING POINT OF PHASE 2 WORK.

OPERATE BOTH SYSTEMS "A" AND "B" TO DOCUMENT FUNCTIONALITY AND ANY DAMAGES FOUND DURING THE INSPECTION PRIOR TO BEGINNING PHASE 2 WORK. PROVIDE OWNER WITH A LIST OF MATERIAL (VALVES, SPRINKLERS, WIRING, PIPING, ETC) TO REPLACE ANY FOUND BROKEN OR MISSING. INSTALL NEW IRRIGATION ZONES. UPON COMPLETION OF WORK CONTRACTOR SHALL OPERATE ENTIRE IRRIGATION SYSTEM, IN THE PRESENCE OF THE OWNER TO DEMONSTRATE THAT NEWLY INSTALLED IRRIGATION ZONES BLEND SEAMLESSLY WITH THE EXISTING SYSTEMS.

WHEN TRENCHING UNDER THE DRIPLINE OF EXISTING TREES EXTREME CARE MUST BE GIVEN TO AVOID ROOT DAMAGE. IF AT ALL POSSIBLE AVOID TRENCHING INSIDE THE DRIPLINE BY GOING AROUND THE TREE RATHER THAN UNDER IT. INSTALL PIPING AND SPRINKLERS ON THE INSIDE OF NEW CURBLINES IF POSSIBLE. IF TRENCHING MUST OCCUR UNDER THE DRIPLINE, USE EITHER TUNNELING OR HAND-DIGGING METHODS RATHER THAN A MECHANICAL TRENCHER. MINIMIZE THE IMPACT OF ROOT SEVERING BY AVOIDING CONSTRUCTION DURING HOT, DRY WEATHER, KEEPING TREES WELL WATERED BEFORE AND AFTER DIGGING AND COVERING ROOTS WITH SOIL OR MULCH AS SOON AS POSSIBLE

CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES (BOTH OVERHEAD AND BELOWGROUND) DURING THE IRRIGATION INSTALLATION. CONTRACTOR SHALL SEEK THE ASSISTANCE AT LOCAL UTILITIES AND THE OWNER IN THE LOCATION OF THE UTILITIES PRIOR TO PERFORMING TRENCHING OPERATIONS IN THE WORKING AREA.

THE IRRIGATION DESIGN IS DIAGRAMMATIC. THE INTENT OF THE DRAWINGS IS TO SHOW THE GENERAL LAYOUT AND LOGIC OF THE SYSTEM. SCALED MEASUREMENTS MAY NOT BE ACCURATE. ACTUAL LOCATIONS AND QUANTITIES OF PIPE AND FITTINGS MAY VARY DUE TO FIELD ADJUSTMENTS. FOR EXISTING CONDITIONS AND OTHER OBSTRUCTIONS TO PROVIDE THE PROPER AND INTENDED COVERAGE

ALL PVC MAINLINE PIPING SHALL BE PVC SCH40. ALL LATERAL PIPING SHALL BE PVC CL200. ALL PVC FITTINGS SHALL BE SCH40 PVC TYPE 1 AND MUST BE OF DOMESTIC MANUFACTURE. PVC SOLVENT CEMENT AND PRIMER SHALL BE AS RECOMMENDED / APPROVED BY THE MANUFACTURER OF THE PIPE. RESPONSIBILITY TO CALCULATE ALL MATERIALS NECESSARY FOR A COMPLETE IRRIGATION SYSTEM.

### IRRIGATION LEGEND

- 10 PRAINBIRD 100PEB ZONE VALVE with FLO CONTROL

- 17 12
- 12 S RAINBIRD 1812-PRS 12" POP-UP SHRUB SPRAY with 15SST NOZZLE
- 13 🔟 RAINBIRD 1812-PRS 12" POP-UP SHRUB SPRAY with 15RCS NOZZLE
- 13 III RAINBIRD 1812-PRS 12" POP-UP SHRUB SPRAY with 15LCS NOZZLE

SCHEDULE 40 PVC MAINLINE PIPING







\$\$USER\$\$ \$\$DATE\$\$ \$\$TIME\$ WORKSPACE:\$\$WORKSPACE\$\$ \$\$FILE\$\$

### PLANT MATERIALS SCHEDULE

### ITEM

- Trees / Avenue Street Tree
- \*1. Willow Oak Quercus phellos

Shrubs / Flowering

\*2. 'Little Henry' Dwarf Sweetspire Itea virginica 'Sprich' #10.988

Ornamental Grasses

\*4. Pink Muhly Grass Muhlenbergia capillaris

### **Bioretention Grasses**

- \*5. 'The Blues' Little Bluestem Schizachyrium scoparium 'The Blues'
- \*6. Soft Rush Juncus effusus

Perennials

- \*7. Goldsturm Rudbeckia Rudbeckia fulgidawell 'Goldsturm'
- Turf
- 'Tifway 419' Bermuda Cynodon dactydon x C. transvaalensis germplasma 'Tifway 419' Solid Sod
- Solid sod, free of weeds, debris, insects and other grasses.

Full clump: height 12"-15":

rooted; 1 gal.

SIZE AND DESCRIPTION

full, well branched: 3 gal

Specimen: height min. 14'-16': 3"-3 1/2" min. caliper:

spread min. 5'-6'; trees well branched,

well balanced all sides: trees well matched:

trees to have strong central leaders; B&B.

Note: Trees to have forms adaptable to pruning for pedestrian and vehicular clearance.

Height min. 15"-18": spread min. 15"-18":

Full clump; height min. 15"-18"; spread min. 15"-18"; well rooted; 3 gal.

Full clump; height min. 14"-16"; spread min. 12"-14"; well rooted; 3 gal.

Full clump; height min. 14"-16"; spread min. 12"-14"; well rooted; 3 gal

\*Note: Upon approval of a bid, submit pictures of representative samples from the nurseries supplying the plant materials, to the Engineer for review. Approval of submittals does not preclude rejection on site after planting of materials not meeting the specifications.

\*Note: Requests for substitutions must be submitted and approved prior to "Bid" Date by Engineer.

\*Note: Do not substitute B&B materials for materials designated to be containerized. B&B materials will not be accepted for these items. Note requirements for specimen quality and well matched, well balanced trees for tree species.

\*Note: Plant acceptance for shrubs shall be based on meeting the size specification rather than the container size. The container size specified is the minimum size acceptable.

\*Note: All plant material used shall comply with the latest amended edition of the 'American Standards for Nursery Stock'.

Note: Caliper of trees to be measured 12" above grade at installation.

### GENERAL NOTES

1. Stake the location of all trees and mass planting areas and obtain approval of the General Contractor and Engineer prior to installation. Tree locations may be adjusted based on the exterior light standard locations, power poles, security camera locations and signage, as applicable.

2. Trees shall be selected with forms adaptable to placement adjacent to sidewalks and/or vehicular use areas. Trees shall have forms and clear trunks adaptable to future pruning for pedestrian and\ vehicular clearance.

3. Provide a minimum 3'-0" diameter mulch ring with a 4" mulch saucer for all trees located in turf and mass planting areas. Provide 3" depth of mulch inside the saucers. Review subsurface drainage conditions. Install trees "high" if necessary due to subsurface conditions.

4. Provide a 3" minimum depth of shredded hardwood mulch in all mass shrub and ornamental grasses planting beds excluding in bioretention areas. Provide a 2" minimum depth of shredded hardwood mulch in all perennial beds. Finished grades of the mulch shall be 1/2" below the finished grade of adjacent paving, edging or curbing. Submit a sample of the mulch for approval by the Owner and Engineer prior to installation. Provide 3" depth washed' river rock mulch in bioretention planters. Refer to Civil drawing, sheet C-210. Submit sample of washed' river rock for approval of Engineer and Owner prior to installation.

5. Provide 4" x 1/8" steel landscape edging with stakes between all turf areas and perennials or shrub beds. No edging shall be installed between the different types of shrub material. Taper-off or pound down corner of steel edging.

6. Refer to the Drawings for the plantings of 'Little Henry' Virginia Sweetspire. Set the shrubs in mass plantings 2-6" on center, staggered rows, unless otherwise noted. Provide consistent spacing in the mass plantings. Define the outside edges of any mass plantings and work inward. Set the first row of shrubs 24" from any edging or paving or other shrub mass.

7. Ornamental Grasses: Refer to the Drawings for the mass planting of Pink Muhly Grass. Set the ornamental grasses 2'-6" on center, staggered rows, unless otherwise noted. Define the outside edges or any mass plantings and work inward. Set the first row 18" from any edging or paving or other shrub mass.

8. Bioretention Grasses: Refer to the Drawings for the mass planting of 'The Blues' Little Bluestem. Set the Little Bluestem grasses 2'-6" on center in staggered rows. Set the first row 18" from planter edges. Refer to the Drawings for the mass planting of Soft Rush. Set the Soft Rush grasses 18" on center in staggered row. Set the first row 18" from planter edges.

9. Refer to Civil drawing, sheet C-210 for Bioretention planter. The Landscape Contractor to provide 'washed' river rock mulch in bioretention planters. Confirm finished grades for the top of mulch in bioretention planters with General Contractor prior to installation of plants and placing 'washed' river rock. All other work within bioretention planters by General Contractor with exception of planting ornamental grasses and placing 'washed' river rock. Washed river rock shall be approximately 2" - 3" in size. Submit sample of 'washed' river rock for approval of Engineer and Owner prior to installation. Provide minimum 3" depth of 'washed' river rock.

10. Perennials: Refer to the Drawings for the plantings of Goldsturm Rubeckia. Set the perennials plants equally spaced in staggered rows 18" on center. Set the first row of plants 18" from any edging or paving or shrub mass.

11. All exterior mass planting and perennials beds are to be full with material equally spaced, at the designated "on-center" spacing, at the time of planting.

12. Exterior shrubs and perennials quantities shown on this plan are the minimum required quantities. The Landscape Contractor is responsible to verify quantities indicated on the plans. All exterior mass shrub planting areas and perennials beds are to be full with material equally spaced at the designated "on-center" spacing, at times of planting. Beds which are not full at the time of planting based on the designated spacing, shall have additional material added at no expense to the Owner. Additional materials shall be added prior to the completion date.

13. All solid sod shall be 'Tifway 419' Bermuda. Provide positive drainage in all turf areas. Solid sod to be laid on a smooth uniform grade with all joints tight and even.

14. Contractor shall calculate all square footage of sod areas.

15. Begin maintenance immediately after planting. Maintain plant materials by watering, pruning, cultivating, and fertilizing as required for healthy growth. Restore planting saucers. Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or vertical position as required by good horticultural practice. Provide and replace mulch in planting beds and inside the saucers as necessary. Remove trash from planting and lawn areas at least once a week. Weed shrub and groundcover beds as required to maintain a neat appearance. Mow and edge lawns at least once each week during the growing season. Bag and remove clippings from the project site. Monitor operation and coverage of the irrigation system.

16. All container grown material shall be thoroughly hand watered upon arrival, while in the containers, before planting. Protect the tree trunks at all times during the removal from delivery trailer.

17. Prune any trees as requested by the Engineer, General Contractor or Owner.

18. Review existing utilities and new utility plans, as applicable, prior to installing the plant materials. Do not install trees or shrubs over underground drainage structures, utilities or directly under overhead power lines. Make minor adjustments in tree locations if necessary. Coordinate revised locations with the Engineer and General Contractor.

19. Coordinate the installation of the landscape with the installation of the site lighting, as applicable. Minor adjustments in the field may be made as required to position the trees between the light standards. Stake the locations of all trees and obtain approval of Engineer and General Contractor prior to installation.

20. Landscape Contractor to secure any permits, including franchise agreements, required for planting and irrigation in public right-of-way, when applicable, prior to commencing work. Coordinate with General Contractor and Engineer as necessary. Pull all required permits.

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******       'THE BLUES' LITTLE BLUESTEM         MASS PLANTING       2'6' O.C. (TYP.)         SOFT RUSH       MASS PLANTING         18'' O.C. (TYP.)       18'' O.C. (TYP.)         ******       'GOLDSTURM' RUDBECKIA         MASS PLANTING       18'' O.C. (TYP.)	93 20 179	LANDSCAPE (SHEET 2 OF	CONWA
Image: Solution of the second state		JOB NO.: 16 DATE: APRIL DESIGNED E DRAWN BY: ORIGINAL ORIGINAL ON ONE INCH- ADJUST SCALES DRAWING	D17122 2022 3Y: CBD HJB INCH ON PRAVING 1 ON THIS SHEET, ACCORDINGLY. NUMBER
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EVATION Щ DLTackett 4/20/2022 WORKSPACE:Garver\_2012 L'2016\16017122 - Conway - Ma

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340



340

## STA. 42+83 TO STA. 43+53



340 340 EXISTING R/W OFF : 38.00 ELEV: 320.52 OFF 38.00 ELEV 320.52 EXISTING R/W OFF 17 50 ELEV 319 66 OFF 19:00 ELEV: 320 14 OFF 0 00 ELEV: 320 01 OFF 19.00 ELEV: 320.14 OFF 17.50 ELEV 319.66 OFF 10.00 ELEV 319.81 OFF -10 00 ELEV 319 81 330 330 34 EXISTING R/W OFF 38.00 ELEV 321.07 OFF 11.50 ELEV 320.84 OFF 10.00 ELEV 320.36 OFF 0 00 ELEV 320 56 OFF 10.00 ELEV: 320.36 VATION Ш LEVAT 2.0% 2.0% 2.0% 2.0% -<u>2.0%</u> -<u>2.0%</u>\_ -2.0% 2 0% 2.0% -2.0% 320 320 330 O FL 317.15 0 Z Ш 0.9% 0.9% 0.9% -2.0% -2.0% <u>2.0%</u> Щ 310 310 320 300 300 310 -50 -40 -30 -20 -10 10 20 30 40 50 60 -50 -40 -30 -20 0 -60 -10 10 -60 0 44+50 45+50 340 340 340 EXISTING R/W OFF 38.00 ELEV 320.77 EXISTING R/W OFF :40:00 ELEV: 320.76 OFF 38 00 ELEV: 320 41 EXISTING R/W OFF 25.67 ELEV: 320.47 OFF 19.00 OFF 170.00 OFF 17.50 ELEV 319.55 OFF 0.00 ELEV: 320.26 OFF 0.00 ELEV 319.90 OFF 10 00 ELEV 319 70 OFF 17 50 ELEV 319.55 OFF 19.00 ELEV 320.03 OFF 19.00 ELEV. 320.39. OFF 17.50 ELEV 319.91 OFF 10.00 ELEV 320.06 OFF 10.00 ELEV: 320.06 OFF 10.00 ELEV 319.70 330 330 330 ELEVATION ELEVATION ELEVATION 2.0% 2.0% 2.0% \_-<u>2.0%</u>\_ 2.0% -<u>2.0%</u> <u>-2.0%</u> -2.0% 2.0% 2.0% 2.0% -<u>2.0%</u>\_ \_-2.0% 2.0% -2.0% 320 320 320 O FL 317.06 310 310 310 300 300 300 50 -50 -20 -60 -50 -40 -30 -20 -10 0 10 20 30 40 60 -60 -40 -30 -10 0 10 44+21 45+00 STA. 44+21 CONSTRUCT DRIVEWAY LT. 340 340 340 EXISTING R/W OFF :38.00 ELEV: 320.35 OFF 38 00 ELEV: 320 35 EXISTING R/W EXISTING R/W OFF 38.00 ELEV 320.57 OFF 0 00 ELEV 320 05 OFF 10.00 ELEV 319.85 OFF 10 00 ELEV 319 85 OFF 0 00 ELEV 319 84 OFF 17 50 ELEV 319 49 OFF 19:00 ELEV 319.97 OFF 19.00 ELEV. 320.19. OFF 17.50 ELEV. 319.70 OFF 19.00 ELEV 319.97 OFF 17.50 ELEV 319.49 OFF -10 00 ELEV 319 64 OFF 10 00 ELEV 319 64 330 330 330 Ш 2.0% 2.0% 2.0% -EVATION 2.0% 2.0% <u>-2.0%</u> <u>-2.0%</u> -<u>2.0%</u> 2.0% 2.0% 2.0% 2.0% -2.0% \_-<u>2.0%</u>\_ -2.0% 2 0% 'ATI 2.0% AT 320 320 320 O FL 317.00 ЕГЕ Ш STA. 44+60.00 CONSTRUCT REVERSE THROAT DROP INLET 17.00' LT. WITH 22" x 14" x 88' R.C. ARCH PIPE TO JUNCTION BOX AT STA. 43+68.05 LT. (4' x 5' x H = 2'-6") 22" x 14" R.C. ARCH PIPE (CLASS IV) (TYPE 3 BEDDING) = 88 LIN. FT. 310 310 310 300 300 -50 **-**40 -30 -20 -10 40 50 60 -50 -30 -20 -10 -60 0 10 20 30 -60 -40 0 10 44+00 44+60

### STA. 44+00 TO STA. 45+50

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P DLTackett 4/20/2022 WORKSPACE:Garver\_2012 L:/2016/16017122 - Conway - Ma

EXISTING R/W OFF -38.00 ELEV 323.79 340 OFF 28.03 ELEV 323.70 OFF 32.00 ELEV 323.73 OFF 38.00 ELEV 323.79 EXISTING R/V OFF 38.00 ELEV 322.85 EXISTING R/M OFF -19.35 OFF 0.00 ELEV 323.27 OFF 10 00 ELEV 323 07 OFF 20.82 OFF 10 00 ELEV 323 07 OFF 17 50 ELEV 321 99 OFF 19:00 ELEV 322 47 OFF 10 00 ELEV 322 14 OFF 0.00 ELEV 322 34 OFF 10.00 ELEV 322.14 OFF 19.00 ELEV 322.47 OFF 17.50 ELEV 321.99 EXISTING R OFF 38.00 ELEV 322 01 330 330 330 330 **ATION** ELEVATION 0.9% 0.9% 3.5% 3.3% 2.0% -2.0% 2.0% 2.0% 2.0% 2.0% 2.0% -2.0% -2.0% -2.0% Ц Ш 320 32 320 ..... FL 318.97 FL 318.81 310 310 310 310 10 20 30 40 . 50 60 -60 -50 -40 -30 -20 -10 -60 -50 -40 -30 -20 -10 20 30 40 50 0 0 10 STA. 47+98.00 CONSTRUCT REVERSE THROAT DROP INLET 17.00<sup>°</sup> LT. 48+00 WITH 18" x 13' R.C. PIPE TO JUNCTION BOX AT STA. 47+98.00 LT. (4' x 5' x H = 3'-2") 18" R.C. PIPE (CLASS III) (TYPE 3 BEDDING) = 13 LIN. FT. 48+89 EXISTING R/W OFF -38 00 ELEV 323 76 EXISTING R/W 0FF -38.00 FI F/V 327 82 OFF 38.00 ELEV 322.83 EXISTING R/W 340 340 340 OFF 28.74 ELEV 323.68 OFF -20.07 ELEV 323.36 OFF 10 00 ELEV 323 05 OFF 0 00 ELEV 323 25 OFF 10 00 ELEV 322 12 OFF 10.00 ELEV 322.12 45 OFF 32.00 ELEV 323.7 OFF 38.00 ELEV 323.7 EXISTING F OFF 17 50 ELEV 321.97 OFF 19:00 ELEV 322.45 OFF 19 00 ELEV 322.45 OFF 17 50 ELEV 321.97 OFF 10 00 ELEV 323 0 OFF 21.31 ELEV 323 OFF 0.00 ELEV 3223 330 330 330 /ATION ELEVATION EVATION 0.9% 3.7% 0.9% 3.5% -2.0% -2.0% -2.0% -2.0% 2.0% -2.0% ĒLĒ 320 320 320 320 FL 318.97 310 310 20 40 50 10 30 -10 0 10 20 30 40 50 60 STA. 47+98.00 CONSTRUCT REVERSE THROAT DROP INLET 17.00' RT. WITH 4' EXTENSION AND 22" x 14" x 29' R.C. ARCH PIPE TO DROP INLET AT STA. 47+98.00 LT. (4' x 5' x H = 3'-0') 22" x 14" R.C. ARCH PIPE (CLASS IV) (TYPE 3 BEDDING) = 29 LIN. FT. 60 47+98 48+87 OFF 38.00 ELEV 323.73 EXISTING R/W 340 340 R/W OFF. 29.41 ELEV 323 59 OFF 32 00 ELEV 323 68 OFF -14.43 ELEV 322.93 OFF -10.00 ELEV 323.02 OFF 0.00 FLEV 323.22 OFF 10 00 ELEV 323 02 OFF 11 50 ELEV 323 50 EXISTING R OFF -38 00 ELEV 323 73 OFF 0.00 ELEV 321 94 OFF 20 93 ELEV 323 31 OFF 10.00 ELEV 321.74 OFF 10 00 ELEV 321 74 38.00 322.4 TING 1NG 17 50 321 5 19:00 322 0 OFF 1 ELEV OFF 1 ELEV OFF 3 ELEV 330 330 330 Ш ELEVATION ELEVATION ELEVAT 0.9% -2/0% 3.5% -2.0% -2.0% 2.0% -2.0% 2.0% -2.0% -2.0% -2.0% -2.0% FL 318.72 320 320 32 320 310 310 310 310 -60 -50 -40 -30 -20 -10 10 20 40 50 -60 -50 -40 -30 -20 -10 10 20 30 40 50 0 30 60 60 STA. 48+85.00 CONSTRUCT TYPE E JUNCTION BOX 35.00' LT. WITH 44" x 27" x 83' R.C. ARCH PIPE TO JUNCTION BOX AT STA. 48+00.00 LT. 48+85 (4' x 5' x H = 4'=9') 44" x 27" R.C. ARCH PIPE (CLASS III) (TYPE 3 BEDDING) = 83 LIN. FT. 47+50 340 340 OFF 38 00 ELEV 322 20 EXISTING R/W TING R/W -38.00 EXISTING RM OFF 38.00 ELEV 323.29 OFF 38.00 ELEV 323.29 EXISTING R/V OFF 17 08 ELEV 322 43 OFF 18 58 ELEV 322 91 OFF 0 00 ELEV 322 77 OFF 10.00 ELEV 322.57 OFF 10.00 ELEV 322.57 OFF 17.50 ELEV 321.33 OFF 19.00 ELEV 321.82 OFF 0.00 ELEV 321.68 OFF 18.58 ELEV 322.9 OFF 17.08 ELEV 322.43 FF 19.00 LEV. 321.82 FF 17.50 EV 321.33 OFF -10.00 ELEV 321.48 OFF 10.00 ELEV 321.48 EXIS OFF 330 330 330 330 ELEVATION ΞŦ 1.9% 1.9% 1.9% -2.0% -2.0% 1.9% -2.0% -2.0% 2.0% 2.0<u>%</u> -2.0% -2.0% 2.0% -2.0% -2.0% Ц Щ 320 ..... 320 32 FL 318.91 310 310 310 10 20 30 40 STA. 47+17.92 CONSTRUCT REVERSE THROAT DROP INLET 17.00' LT. WITH 4' EXTENSION AND 50 -50 -30 -20 20 30 50 -60 -50 -40 -30 -20 -10 60 -60 -40 -10 10 40 -30 -20 -10 0 STA. 47+17.92 CONSTRUCT TYPE E JUNCTION BOX 35.00<sup>°</sup> LT. 47+18 WITH 44" x 27" x 66' R.C. ARCH PIPE TO JUNCTION BOX AT STA. 46+47.50 LT. (4' x 5' x H = 3'-6") 44" x 27" R.C. ARCH PIPE (CLASS III) (TYPE 3 BEDDING) = 66 LIN. FT. 48+50 18" x 13' R.C. PIPE TO JUNCTION BOX AT STA. 47+17.92 LT. (4' x 5' x H = 2'-8") 18" R.C. PIPE (CLASS III) (TYPE 3 BEDDING) = 13 LIN. FT. STA. 47+18 TO STA. 48+89

P DLTackett 4/20/2022 WORKSPACE:Garver\_2012 L:/2016/16017122 - Conway - Ma



OFF 28.50 ELEV 326.08 OFF 19.50 ELEV 325.95 OFF 18.00 ELEV 325.47 OFF 13.00 OFF 13.00 ELEV 325.57 OFF 10 00 ELEV 325 51 340 340 OFF 0.00 ELEV 325.7 OFF -38.00 ELEV 324.95 OFF -33.81 ELEV 324.05 OFF 30.40 ELEV 324.45 OFF 33.88 ELEV 324.67 OFF 17 50 ELEV 324 09 OFF 19 00 ELEV 324 57 OFF 10.00 ELEV 324.24 OFF 15 00 ELEV 324 14 OFF -10.00 ELEV 324.2 OFF 0.00 ELEV 324 / 330 330 330 EVATION ELEVATION EVATION 1 5% -2.0% -2.7% -2.0% -2.7% 0.6% 0.6% 2.0% 2 0% -2.0% -2.0% -2.0% Щ Ц :===) 320 320 320 STA. 49+58.47 CONSTRUCT TYPE G DROP INLET 40.73' LT. CONNECT TO EXISTING 30" R.C. PIPE (4' x 4'-6" x H = 5'-7") 310 310 310 -50 -40 -30 -20 -10 10 20 30 40 . 50 60 -60 -50 -40 -30 -20 -10 10 -60 0 0 49+58 50+50 OFF -16:50 ELEV 325.23 OFF -15.00 ELEV 324.75 OFF -10.00 OFF -10.00 ELEV 324.85 OFF 0.00 ELEV 325.05 340 340 340 OFF 28:50 ELEV 325 41 OFF 37 13 ELEV 324 45 OFF 34 97 ELEV 324 53 OFF 10 00 ELEV 324 85 OFF 27 05 ELEV 324 25 OFF 17 50 ELEV 323 96 OFF 19:00 ELEV 324 44 OFF 0.00 ELEV 324.31 OFF 10.00 ELEV 324.11 52.26 324.6 <u>OFF 15.00</u> ELEV 324.01 OFF 10.00 ELEV 324.11 щÈ 330 330 330 ELEVATION /ATION ELEVATION 1.5% 1.5% -2.0% -2.0% -2.0% 2 0% 0.6% 1.6% -2.0% 0.6% 2 0% -2.0% -2.0% 2 0% -2.0% ELEJ 320 320 320 FL 319.40 310 310 310 . 50 -30 -50 -40 -30 -10 20 40 -50 -40 -20 -10 -60 -20 0 10 30 60 -60 10 0 49+50 50+00 OFF 28:50 ELEV 325:28 OFF -16.50 ELEV 325.09 OFF -15.00 ELEV 324.61 OFF -10.00 OFF -10.00 ELEV 324.77 340 340 340 OFF 0 00 ELEV 324 91 OFF 10.00 ELEV 324.71 OFF 17.50 ELEV 323.34 OFF 19:00 ELEV 323.83 OFF 16 50 ELEV 323 88 OFF -10.00 ELEV 323.49 OFF 0 00 ELEV 323 69 OFF 10.00 ELEV 323.49 OFF 37 72 ELEV 324 06 FF 38 34 LEV 324 21 330 Ölü 330 ELEVATION ELEVATION 1.5% 1.5% ELEVAT 0% 2.0% -2.0% -2.0% 1.5% 1.5% 1.3% -2.0% <u>-2.0%</u> -2.0% 6 320 320 320 STA. 49+90.00 CONSTRUCT TYPE MO DROP INLEY 18.50' LT. WITH 4' EXTENSION AND BACK OPENING AND 18" x 38".R.C. PIPE TO DROP INLET AT STA. 49+58.47 LT. (4' DIA. x H = 4'-11") 18" R.C. PIPE (CLASS III) (TYPE 3 BEDDING) = 38 LIN. FT. 310 310 310 -50 -40 -30 -20 -10 STA. 49+14.03 CONSTRUCT TYPE E JUNCTION BOX 35.33 LT. WITH 44" x 27" x 26' R.C. ARCH PIPE TO JUNCTION BOX AT STA. 48+85.00 LT. AND CONNECT TO EXISTING 36" R.C. PIPE 0 10 20 30 40 50 60 -60 -30 -20 -10 10 49+14 49+90 (4' x 5' x H = 5'-2') 44" x 27" R.C. ARCH PIPE (CLASS III) (TYPE 3 BEDDING) = 26 LIN. FT. OFF 18.65 ELEV 324 92 OFF 15.00 ELEV 324.36 OFF 32 52 ELEV 325 10 340 340 OFF -10 00 ELEV 324 46 OFF 10 00 ELEV 324 46 OFF 0 00 ELEV 324 66 OFF 17 50 ELEV 323 10 OFF 19:00 ELEV 323 58 OFF -16.66 ELEV 323.63 OFF 0.00 ELEV 323 45 OFF 10 00 ELEV 323 25 OFF 10 00 ELEV 323 25 OFF -38.00 ELEV 323.96 OFF 38 00 ELEV 323 9 330 330 330 /ATION ELEVATION 1.3% 1.3% 2.0% -2.0% -2.0% -2.0% 1.6% 1.6% 2.0% -2.0% <u>-2.0%</u> 2.0% Ц Щ O. FL 319.86 FL 319.00 320 320 320 310 310 310 -10 50 -50 -40 -30 -20 -60 -50 -40 -30 -20 0 10 20 30 40 60 -60 -10 10 0 49+00 49+73







B



BΥ				
DESCRIPTION				
DATE				
REV.				
		METROPLAN BART FLACES	MARKHAM ST. JUMP START IMPVTS. PH. 2	(CONWAY) (S)
NC S	IARKH ROSS ECTIO	AM ST	<b>TREET</b>	-
Ji D D		APRIL IED B BY: [ BY: [ BS ONE IGINAL D	17122 2022 Y: DLT DLT INCH ON RAWING	Г 1° 1°НЕЕТ,
				ER









<b>STOP</b> RI-I	WI-3 30//30//	WI-8	W2-5	W3-1	ROAD NARROWS W5-1	M6-3	
30"x30"	(LT. OR RT.)			36"x36"	LASSEN LASSEN LASSEN LASSEN COUNTY Route Marker	21"XI5"	
RI-2 36"X36"X36"	WI-4 30"X30" (LT. or RT.)	WZ-1 30"X30"	NARROW BRIDGE	W3-2 36"x36" PAVEMENT ENDS	MI-6 24"X24" NOTE: REFLECTORIZED YELLOW LEGEND (COUNTY NAME, ROUTE LETTER & NUMBER) & BORDER ON A BLUE BACKGROUND.	M6-4 2!"XI5"	
R2-I 24"X30"	WI-5 30"X30" (LT. or RT.)	W2-2 30"x30"	W5-2 36"x36″	W8-3 36″x36″	RI-3P I8"x6″	M6-5 21″X15″	_
			ONE LANE BRIDGE	M.P.H.			
WI-I 30"X30" (LT.or RT.)	WI-6 48″X24″	W2-3 30"x30" (LT.or RT.)	W5-3 36"X36"	WI3-IP 18"X18"	21"X15" NOTE: ALL M6 SIGNS TO BE MADE WITH REFLECTORIZED YELLOW ARROW & BORDER WITH BLUE BACKGROUND.	M6-6 21"XI5"	
WI-2 30"X30"	WI-7 48"X24"	W2-4	R R R R R R R R R R R R R R R R R R R	W3-3	M6-2	SCHOOL S4-3P 24"X8" WHEN CHILDREN ARE PRESENT S4-2P	4" T 0M-3 12"X36"
(LT. or RT.)	<u></u> <u>ST</u>	ANDARD HIGHWAY	36" diameter	36″X36″	2!"XI5"	24"XIO" 9-I2-I3 DELETED JOB NO. BLOG 4-I7-OB REVISED SIGN DESIGNA 4-I0-O3 REVISED W5-2, W8-3, O I-5-81 REDRAWN 9-I5-78 ADDED WI-3 9-2-76 POST WT. 5-37-76 STEL POST WT. 8-I2-74 REV.HT. TYPE "C" ASS I2-21-72 ADDED M6-2,3,4,5,6 I2-I-72 ISSUED DATE REV	(LT. or RT.) K; REVISED RI-3 TO RI-3P TION - W3-1& W3-2 M-3; ADDED WI-8 2*-3*; ADDED S4-2 & S4-3 SEMBLY ISION (







### REINFORCED CONCRETE ARCH PIPE DIMENSIONS

FQUIV.	SP	AN	RI	SE
DIA.	AASHTO M 206	ARDOT NOMINAL	AASHTO M 206	ARDOT NOMINAL
INCHES		INC	HES	
15 18 21 30 36 42 48 54 60 72 84 90 96 108 120 132	18 22 26 28 <sup>1</sup> / <sub>2</sub> 36 <sup>1</sup> / <sub>4</sub> 43 <sup>3</sup> / <sub>8</sub> 51 <sup>1</sup> / <sub>6</sub> 58 <sup>1</sup> / <sub>2</sub> 65 73 88 102 115 122 138 154 168 <sup>3</sup> / <sub>4</sub>	18 22 26 29 36 44 51 59 65 73 88 102 115 122 138 154 169	11 13½ 15½ 26% 31% 40 45 54 40 45 54 62 72 77½ 87½ 87½ 06½	11 14 16 18 23 27 31 36 40 45 54 62 77 77 87 97 107

MORE THAN + 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

### MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

		CLASS O	F PIPE	
	CLASS	III	CLASS IV	CLASS V
INSTALLATION TYPE	TYPE 1 OR 2	TYPE 3	ALL	ALL
PIPE ID (IN.)		FEE	T	
12-15	2	2.5	2	1
18-24	2.5	3	2	1
27-33	3	4	2	1
36-42	3.5	5	2	1
48	4.5	5.5	2	1
54-60	5	7	2	1
66-78	6	8	2	1
84-108	7.5	8	2	1

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

### MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

	CLASS	OF PIPE
INSTALLATION TYPE	CLASS III	CLASS IV
	FE	ΕT
TYPE 2 OR TYPE 3	2.5	1.5

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

### REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

EQUIV.	AASHT	D M 207		
DIA.	SPAN	RISE		
INCHES	INCHES			
18	23 14			
24	30 19			
27	34 22			
30	38	24		
33	42	27		
36	45	29		
39	49	32		
42	53	34		
48	60	38		
54	68	43		
60	76	48		
66	83	53		
72	91	58		
78	98	63		
84	106	68		

+ 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

### CONSTRUCTION SEQUENCE

I. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT. 2. INSTALL PIPE TO GRADE. 3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE. 4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE. 5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 606.03.(f)(I).

NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.

## - LEGEND -

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL*
TYPE 3	AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL

\* SM-3 WILL NOT BE ALLOWED.

\*\* MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.

### MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

	С	LASS OF PIF	E
INSTALLATION	CLASS III	CLASS IV	CLASS V
TIFE		FEET	
TYPE 1	21	32	50
TYPE 2	16	25	39
TYPE 3	12	20	30

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

### MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

	CLASS OF PIPE				
INSTALLATION	CLASS III	CLASS IV			
	FEET				
TYPE 2	13	21			
TYPE 3	10	16			

## NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.



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E		
Γ	2-27-14	REVISED GENERAL NOTE I.
Γ	12-15-11	REVISED FOR LRFD DESIGN SPECIFICATIONS
Γ	5-18-00	REVISED TYPE 3 BEDDING & ADDED NOTE
Γ	3-30-00	REVISED INSTALLATIONS
Γ	II-06-97	ISSUED
	DATE	REVISION



		<u> </u>	ı.
STANDARD	DRAWING	21-	L.

10-25-18	REVISED DETAIL SHOWING REPAIR OF EXISTING	
9-12-13		
3-12-13	REVISED REINFORCED CONCRETE SERING BOX	
(-26-12	REMOVED RETAINING WALL DETAILS & REVISED HAND RAILING DETAILS	
4-17-08	REV.JOINT & FOOTING STEP DETAILS	
II-29-07	REVISED RETAINING WALL DRAINAGE	
5-25-06	REVISED PVMT REPAIR OVER CULVERTS (CONC);	
	REVISED REINFORCED CONC SPRING BOX	
10-9-03	REVISED PIPE RAILING DETAILS TO HAND RAILING DETAILS	
4-10-03	REVISED RETAINING WALL DRAWING	
8-22-02	ADDED HAND RAILING DETAIL	
11-16-01	REVISED PVMT REPAIR OVER CULVERTS (CONC);	
	CORRECTED SPELLING IN GENERAL NOTES	
11-18-98	ADDED GENERAL NOTES TO	
	CONCRETE STEPS & WALKS	
7-02-98	ENLARGED PIPE	
4-03-97	ADDED NOTE TO STEEL BAR SCHED.	
10-18-96	CORRECTED SPELLING	
4-26-96	ADD WEEP HOLE;REV. JOINT SPACING IN RET. WALL	
6-2-94	CHANGED CONST. TO CONTRACTION JOINT	
10-1-92	CHANGED MESH FABRIC TO WIRE MESH	10-1-92
8-15-91	DELETED HDWL MODIFICATION DETAIL	8-15-91
11-8-90	DELETED COLD MIX FROM CULV'T.REPAIR	11-8-90
11-30-89	REV. RETAINING WALL STEEL SCHEDULE	II-30-89
11-17-88	V. BARS BEHIND ARROW	665-11-17-88
7-15-88	REV. PAVEMENT REPAIR	649-7-15-88
	ADDED HDWL. MODS, DEL. PIPE UNDERDRAINS	
11-1-84	REV. TRENCH FOR PIPE UNDERDRAIN	510-11-1-84
1-4-83	ELIMINATED CONC.CLASS & ADDED CHAMFER NOTE	682-1-4-83
3-2-81	SPELLING OF "UNDERDRAIN"	721-3-2-81
4-20-79	REV. UNDERDRAIN DET& PAVEMENT REPAIR	674-4-20-79
2-2-76	12"MIN. GRAN. MAT'L. OVER PIPE	919-2-2-76
4-10-75	REM. SPECS. FOR GRAN. MAT'L.	568-4-10-75-853
5-22-74	GRANULAR MAT'L. TO BE SB-3	567-5-22-74-740
10-2-72	REVISED AND REDRAWN	564-10-16-72
DATE	REVISION	DATE FILMED

								ADVANCE DISTANCES
RI-I	RI-2	R2-I	W3-5	W3-5a	R4-I	R4-2		500 FT 1/2 MILE
							10	000 FT 3/4 MILE
	YIELD			YY MPH		PASS	1	AHEAD
				SPEED ZONE	NOT	WITH	GENERAL NOTES:	
		(5)	$\times$ X X /	AHEAD	PASS		THE MANUAL ON UNIFORM TRA	USED ON ROAD CONSTRUCTION SHALL CONFORM TO IFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE
							STANDARD HIGHWAY SIGNS, LATE HIGHWAY ADMINISTRATION.	ST EDITION, OR AS APPROVED BY THE FEDERAL
	▼		v	v			2. TRAFFIC CONTROL DEVICES SHA	LL BE SET UP JUST BEFORE THE START OF CONSTRUCTION
STANDARD 30"X30"	36"X36"X36"	STD. 24"X30"	STD. 36"X36"	STD. 36"X36"	STD. 24"X30"	STD. 24"X30"	EXIST. THEY SHALL REMAIN IN P	PERLY MAINTAINED DURING THE TIME SUCH CONDITIONS PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.
EXPRESSWAY 36"X36"	EXPWY. 48"X48"X48"	FWY. 48"X60"	FWY. 48"X48"	FWY. 48"X48"	EXPWY. 36"X48" FWY. 48"X60"	EXPWY. 36"X48" FWY. 48"X60"	3. EXISTING SIGNS AND CONSTRUCT	TION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE
SFECIAL 40 X40	PII-2	DII 74					SHALL BE REMOVED. SIGNS THA	T ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT
R5-I		RII-SA	RII-4	W2I-50		WI-2	• 4 SIGNS ARE LISUALLY MOUNTED	E LLEANED, REPAIRED, UR REPLACED.
							OR LARGER THAN IO SQ. FT. SH	ALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III
	II ROAD I	ROAD CLOSED	ROAD <u>CLOSED</u>				• 5. SIGN POSTS DIRECT BURIED IN S	SOU SHALL BE 2 LB MINIMUM CHANNEL POST OR 4"×4"
		XX MILES AHEAD					WOOD POSTS CHANNEL POSTS	SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED
ENIER	II ULUSED I	LOCAL TRAFFIC ONLY	THRU TRAFFIC				REPAIRED AS NEEDED FOR THE	DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN
							SHALL BE IN ACCORDANCE WITH	STANDARD DRAWING TC-3.
STD. 30"X30" EXPWY. 36"X36"	48″X30″	60"X30"	60"×30"	STD. 36"X36" FWY. 48"X48"	STD. 36"X36" FWY. 48"X48"	STD. 36"X36" FWY. 48"X48"	6. POST MOUNTED SIGNS IN RURAL THE SIGN FROM 6 TO 12 FEET	AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND
SPECIAL 48"X48"							BARRICADE MOUNTED SIGNS SHA EDGE.	LL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT
WI-3	WI-4	WI-6	WI-8	W3-1	W3-2	W4-2	7. ALL POST AND BARRICADE MOUN	NTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED
							ALL POST AND BARRICADE MOUN	A THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE
							EXCEPT A MINIMUM OF 6' SHALL	BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A
					$  \langle \nabla \rangle$		INTERMEDIATE TERM STATIONARY	WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT
							MOUNTED ON PORTABLE SUPPOR	TS FOR SHORT-TERM, SHORT DURATION, AND MOBILE
	Ň	STD. 48"X24"	STD. 18"X24" SPECIAL 24"X30"	~			LONG-TERM STATIONARY SIGNS	SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS
		SPECIAL 60"X30"	EXPWY. 30"X36"	STD. 36"X36" SPECIAL 48"X48"	STD. 36"X36" SPECIAL 48"X48"	STD. 36"X36" FWY. 48"X48"	PADS, CONCRETE OR ROCK BALL	ABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE AST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED
STD. 48"X48"	STD. 48"X48"		111. 50 40				WITH PORTABLE SIGN SUPPORTS.	8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW
W5-I	W6-3	W8-7	W9-2	WI3-I	W20-I	W20-2	W20-3	PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
								9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE
ROAD		I OOSE	LANE ENDS		ROAD	DETOUR	ROAD	USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE
NARROWS		GRAVEL	MERGE					MOTORISTS THE PROPER DIRECTION OF MOVEMENT.
			RIGHT		*****			IO. R55-ISIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN IMILE IN ADVANCE OF THE WORK
			×					ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF SOO'IN
SPECIAL 48"X48"	EXPWY. 36"X36"	EXPWY. 36"X36"	STD. 36"X36" FWY. 48"X48"	STD. 24"X24"	STD. 48"X48"	STD. 48"X48"	STD. 48″X48″	ADVANCE OF THE REDUCED SPEED AHEAD SIGN.
	SFECIAL 40 A40	FWY. 48"X48"						NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM
W20-4	W20-5	W20-7a	W2I-2	W2I-5	W24-I	WI-4b	R56-I	THE REQUIREMENTS SHOWN IN NOTES 4 & 5. BUT MEET THE REQUIREMENTS OF MANUAL FOR
								BE ACCEPTED. COMPLIANCE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REDUIREMENTS OF MANUAL FOR ASSESSING
ONE LANE	RIGHT LANE		FRESH				CONTROLLED ACCESS HWY.	SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.
	CLOSED						NO	II-07-19 REVISED FOR MASH
		18" 500 W15-2					EXIT	9-2-15 REVISED REDUCED SPEED LIMIT AHEAD SIGNS REVISED RAD WORK NEXT XX MILES
		24"	×					12-15-11 REVISED W24-1
STD. 48"X48"	STD. 48"X48"	STD. 36"X36"	STD. 30"X30" SPECIAL 36"X36"	STD. 30"X30" SPECIAL 36"X36"	STD. 36"X36"	STD. 48"X48"	STD. 18"X18"	10-15-09 ADDED REFERENCE TO MASH & ADDED SIGN W24-1
		FWY. 48"X48"						I-I8-04 REVISED NOTES
W8-II	W8-9	G20-I	G20-2	OM-3L OM-3R	M4-9	M4-I0	R55-I	10-9-03 REVISED NOTE I II-I6-01 REVISED NOTE 7
								9-28-00 REVISED NOTE
				YELLOW	DETOUR		FINES DOUBLE	6-26-97 REVISED NOTE 5 4-03-97 REVISED NOTE 5
	LOW	ROAD WORK	END )				IN WORK ZONES	IO-18-96 ADDED CONTROLLED ACCESS HWY, SIGN & TO NOTE 7
	SHOULDER						•	6-8-95 REVISED TO CORRECT SIGN ILLUSTRATIONS 6-8-95
		ILINEX I XX MILES		BLACK-			WHEN WORKERS	2-2-30 REVISED PER PART VI, MUICO SEPT. 3, 1993 8-15-91 DRAWN AND PLACED IN USE
					STD. 30"X24"		ARE PRESENT ••	DATE REVISION FILMED
STD. 36"X36"	STD. 36"X36"		48″X24"		SPECIAL 48"X36"	48″XI8″	36"X60"	STANDARD TRAFFIC CONTROLS
FWY. 48″X48″	FWY. 48"X48"	60″X24″		I2"X36"			• USE 6" C LETTERS	FOR HIGHWAY CONSTRUCTION
							•• USE 4" D LETTERS	STANDARD DRAWING TC-I
-								

500	C T	1/2	MIL F
000	FT	3/4	MILE
500	FT	i i	MILE





