

**MARKET STREET AREA STRIPING PLANS
PORTSMOUTH NH BID # 46-18**

Map prepared by Portsmouth Department of Public Works

1 inch = 500 feet

01/30/2018

CURVE TABLE								
CURVE #	DELTA	RADIUS	LENGTH	TANGENT	PC STATION	OFFSET	PT STATION	OFFSET
C1	92° 39' 15"	30.00	48.51	31.42	54+71.17	63.70 LT	54+40.43	32.55 LT
C2	44° 50' 05"	20.00	15.85	8.25	54+39.28	32.55 LT	54+24.99	38.36 LT
C3	61° 43' 35"	35.69	38.44	21.33	54+60.68	46.77 RT	54+97.25	80.11 RT
C4	88° 51' 04"	28.00	43.42	27.44	55+41.23	75.82 RT	55+67.28	47.05 RT
C5	77° 53' 34"	35.00	47.58	28.29	55+58.92	47.47 LT	55+28.35	79.77 LT

WOODBURY AVENUE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	10+00.00	214787.6640	1220151.5273		N61°36'45"W 187.09'	11+87.09	214876.6129	1219986.9342
C1	11+87.09	214876.6129	1219986.9342	R=870.00' Δ=29°17'28" L=444.77' T=227.38'		16+31.88	214981.1207	1219558.5889



TEC, Inc.

65 Glenn Street
Lawrence, MA 01843
(978) 794-1792
www.TheEngineeringCorp.com

169 Ocean Boulevard
Unit 101, PO Box 249
Hampton, NH 03842
(603) 601-8154

DESIGNED BY SWG
DRAWN BY DSH/EJ/ERP/APR
CHECKED BY KR/SWG
DATE APRIL 17, 2017
SCALE 1" = 20'

PREPARED FOR
City of Portsmouth
680 Peverly Hill Road
Portsmouth, NH 03801

NHDOT
Bureau of Planning and
Community Assistance
7 Hazen Drive
Concord, NH 03302

REVISIONS		
1	PRELIMINARY DESIGN	OCTOBER 7, 2016
2	FINAL DESIGN	MARCH 3, 2017
3	CONSTRUCTION	APRIL 17, 2017

ISSUED FOR
Construction

PROJECT TITLE
Woodbury Avenue Traffic
Signal Interconnect
Project #29781

PROJECT LOCATION
Portsmouth,
New Hampshire

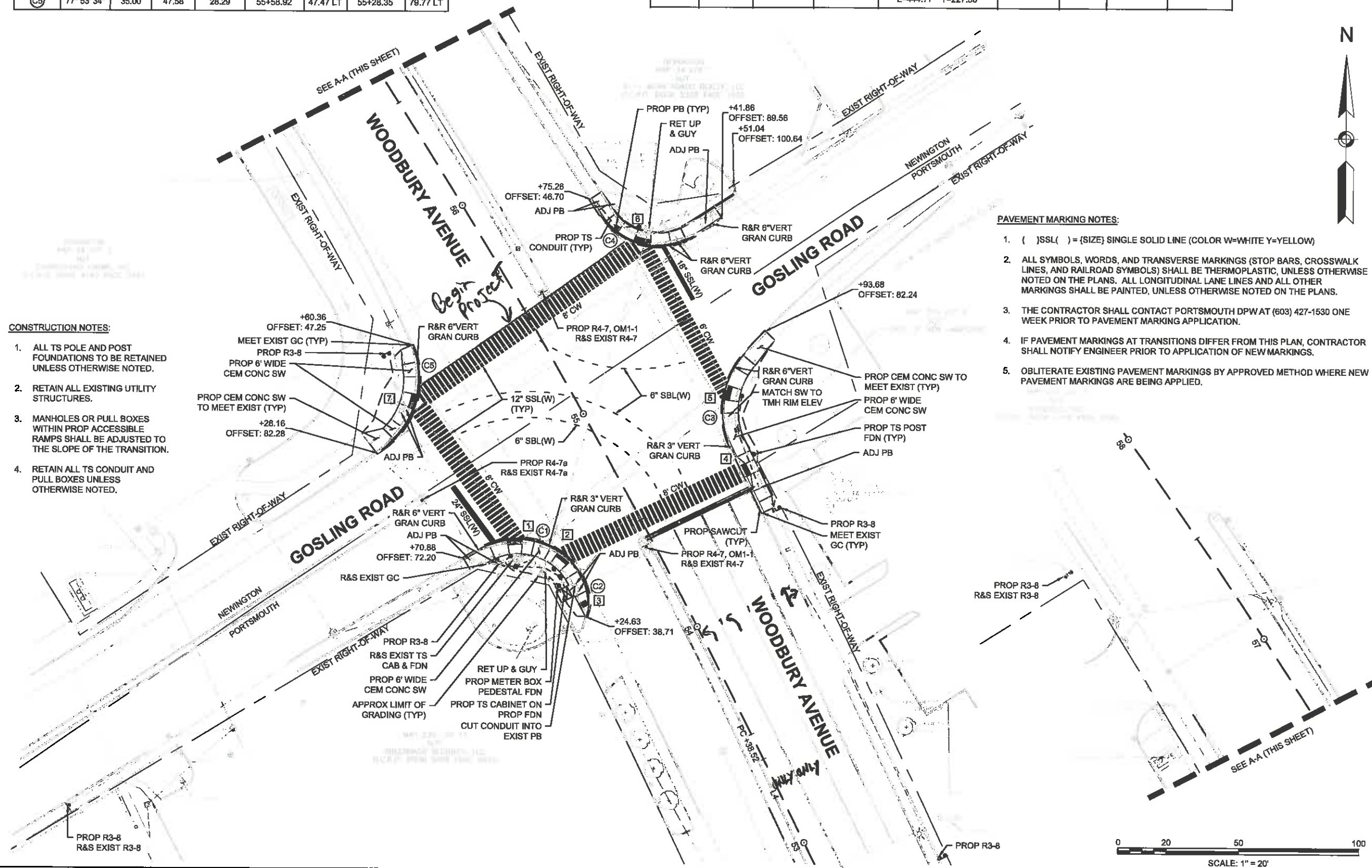
DRAWING TITLE
General Layout Plan
Woodbury Ave @
Gosling St

PROJECT NO.
T0543
TEC CAD FILE
T0543_General Layout Plan.dwg
DRAWING NO.
G1
SHEET 7 OF 28

- CONSTRUCTION NOTES:**
1. ALL TS POLE AND POST FOUNDATIONS TO BE RETAINED UNLESS OTHERWISE NOTED.
 2. RETAIN ALL EXISTING UTILITY STRUCTURES.
 3. MANHOLES OR PULL BOXES WITHIN PROP ACCESSIBLE RAMPS SHALL BE ADJUSTED TO THE SLOPE OF THE TRANSITION.
 4. RETAIN ALL TS CONDUIT AND PULL BOXES UNLESS OTHERWISE NOTED.

PAVEMENT MARKING NOTES:

1. { } SSL { } = {SIZE} SINGLE SOLID LINE (COLOR W=WHITE Y=YELLOW)
2. ALL SYMBOLS, WORDS, AND TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS) SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED ON THE PLANS. ALL LONGITUDINAL LANE LINES AND ALL OTHER MARKINGS SHALL BE PAINTED, UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE CONTRACTOR SHALL CONTACT PORTSMOUTH DPW AT (603) 427-1530 ONE WEEK PRIOR TO PAVEMENT MARKING APPLICATION.
4. IF PAVEMENT MARKINGS AT TRANSITIONS DIFFER FROM THIS PLAN, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO APPLICATION OF NEW MARKINGS.
5. OBLITERATE EXISTING PAVEMENT MARKINGS BY APPROVED METHOD WHERE NEW PAVEMENT MARKINGS ARE BEING APPLIED.

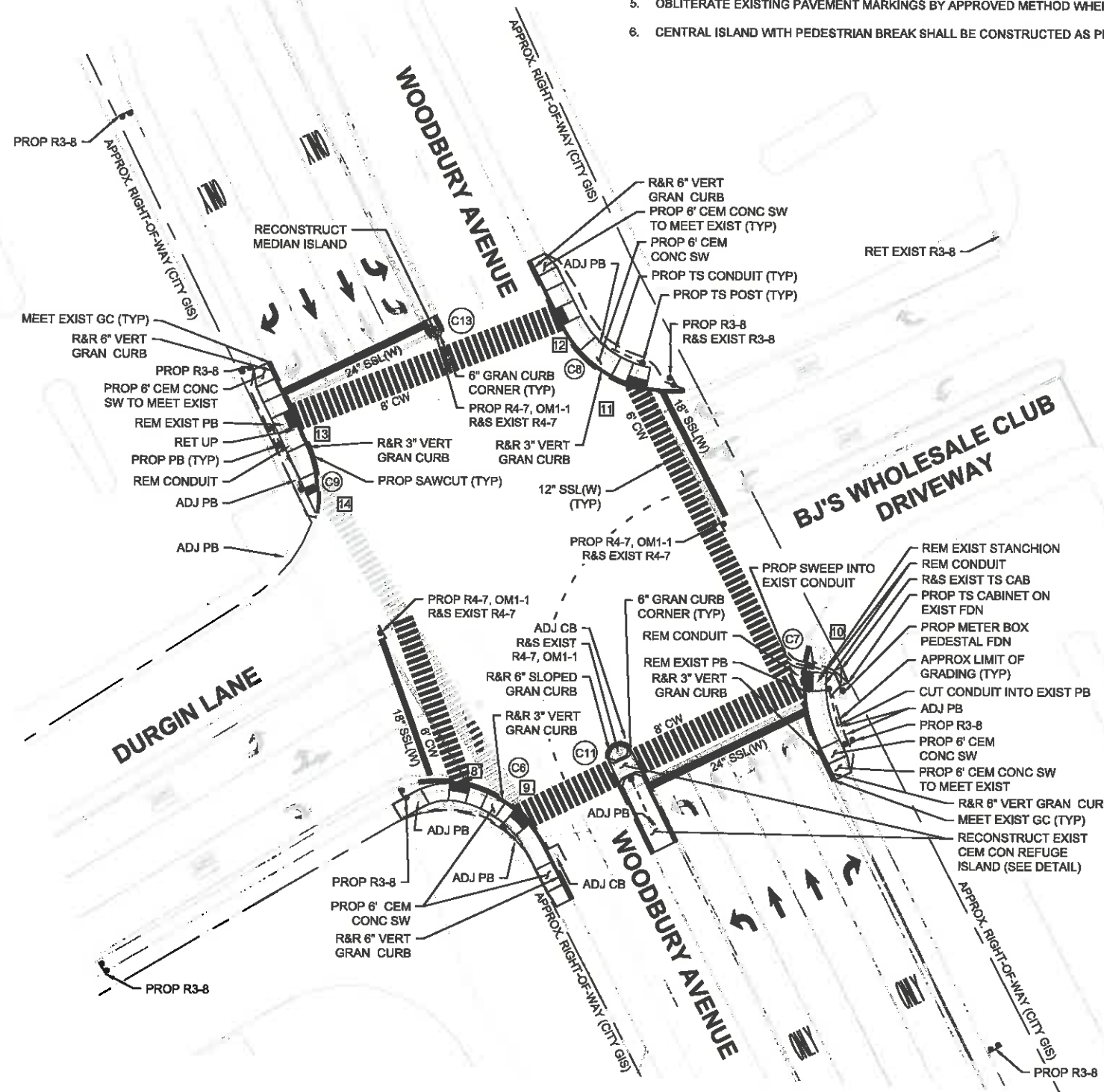


CURVE TABLE	
CURVE #	RADIUS
C6	± 35.00
C7	± 43.00
C8	± 35.00
C9	± 36.00
C11	± 3.75
C13	± 1.75

NOTE: CURVE RADII ARE APPROXIMATED BASED ON GIS. CONTRACTOR SHALL CONFIRM ACTUAL RADII IN THE FIELD.

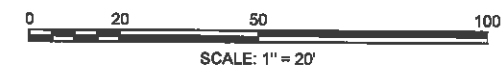
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DESIGNED BY	SWG
DRAWN BY	DSH/EA/ERP/APR
CHECKED BY	KRDJ/SWG
DATE	APRIL 17, 2017
SCALE	1" = 20'

PREPARED FOR
City of Portsmouth
680 Peverly Hill Road
Portsmouth, NH 03801

NHDOT
Bureau of Planning and
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7 Hazen Drive
Concord, NH 03302

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PROJECT TITLE
Woodbury Avenue Traffic
Signal Interconnect
Project #29781

PROJECT LOCATION
Portsmouth,
New Hampshire

DRAWING TITLE
General Layout Plan
Woodbury Ave @
Durgin Lane

PROJECT NO.	T0543
TEC CAD FILE	T0543_General Layout Plan.dwg
DRAWING NO.	G2
SHEET	8 OF 28

CURVE TABLE	
CURVE #	RADIUS
C14	± 54.00
C16	± 40.00
C17	± 50.00

NOTE: CURVE RADII ARE APPROXIMATED BASED ON GIS. CONTRACTOR SHALL CONFIRM ACTUAL RADII IN THE FIELD.

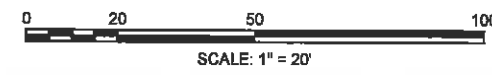
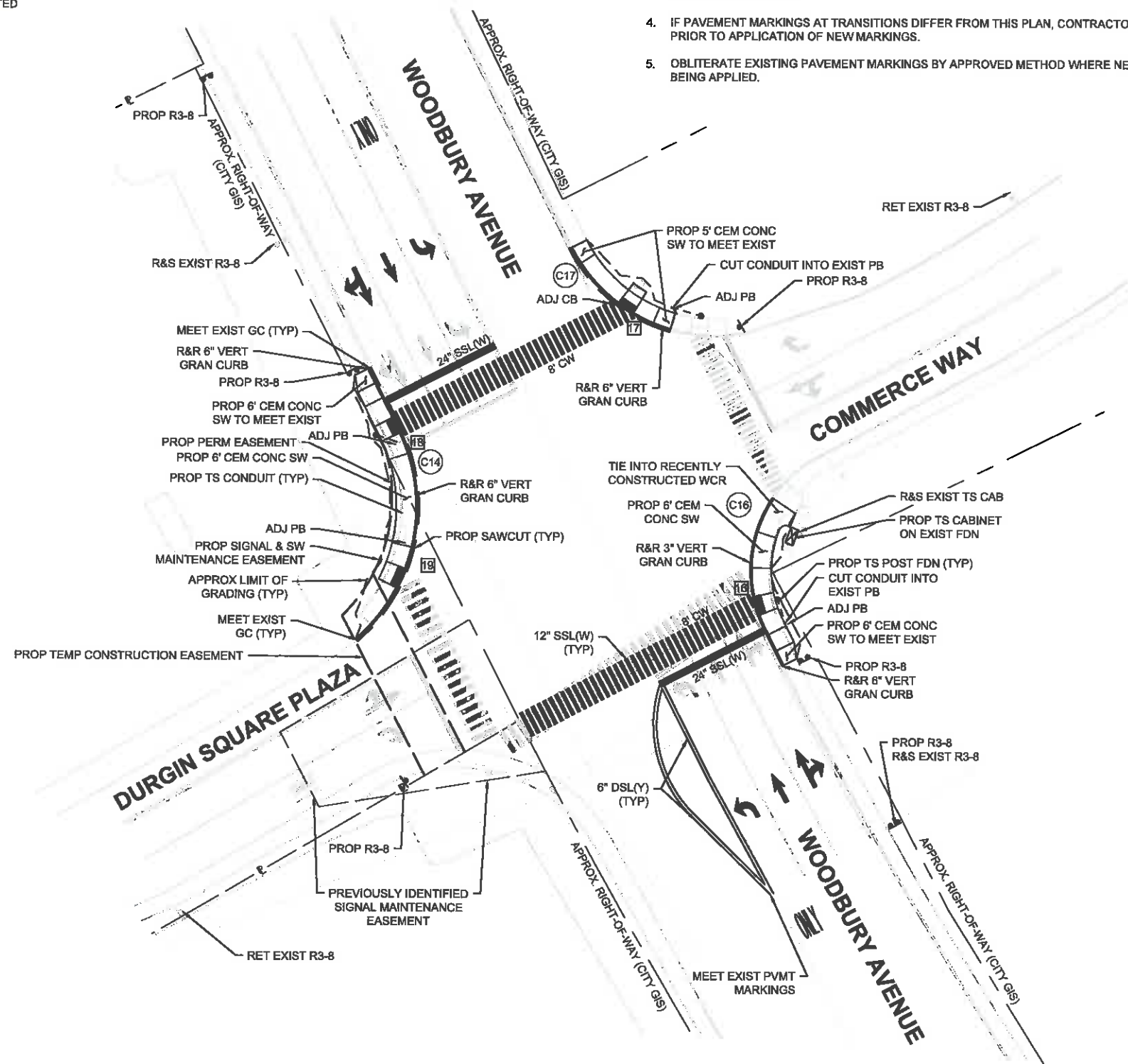
PAVEMENT MARKING NOTES:

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{ } DSL() = (SIZE) DOUBLE SOLID LINE (COLOR W=WHITE Y=YELLOW)
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Signal Interconnect
Project #29781

PROJECT LOCATION
Portsmouth,
New Hampshire

DRAWING TITLE
General Layout Plan
Woodbury Ave @
Commerce Way

PROJECT NO.
T0543
TEC CAD FILE
T0543_General Layout Plan.dwg
DRAWING NO.
G3

SHEET 9 OF 28

CURVE TABLE	
CURVE #	RADIUS
C18	± 32.00
C19	± 45.00
C20	± 58.00
C21	± 80.00
C22	± 30.00

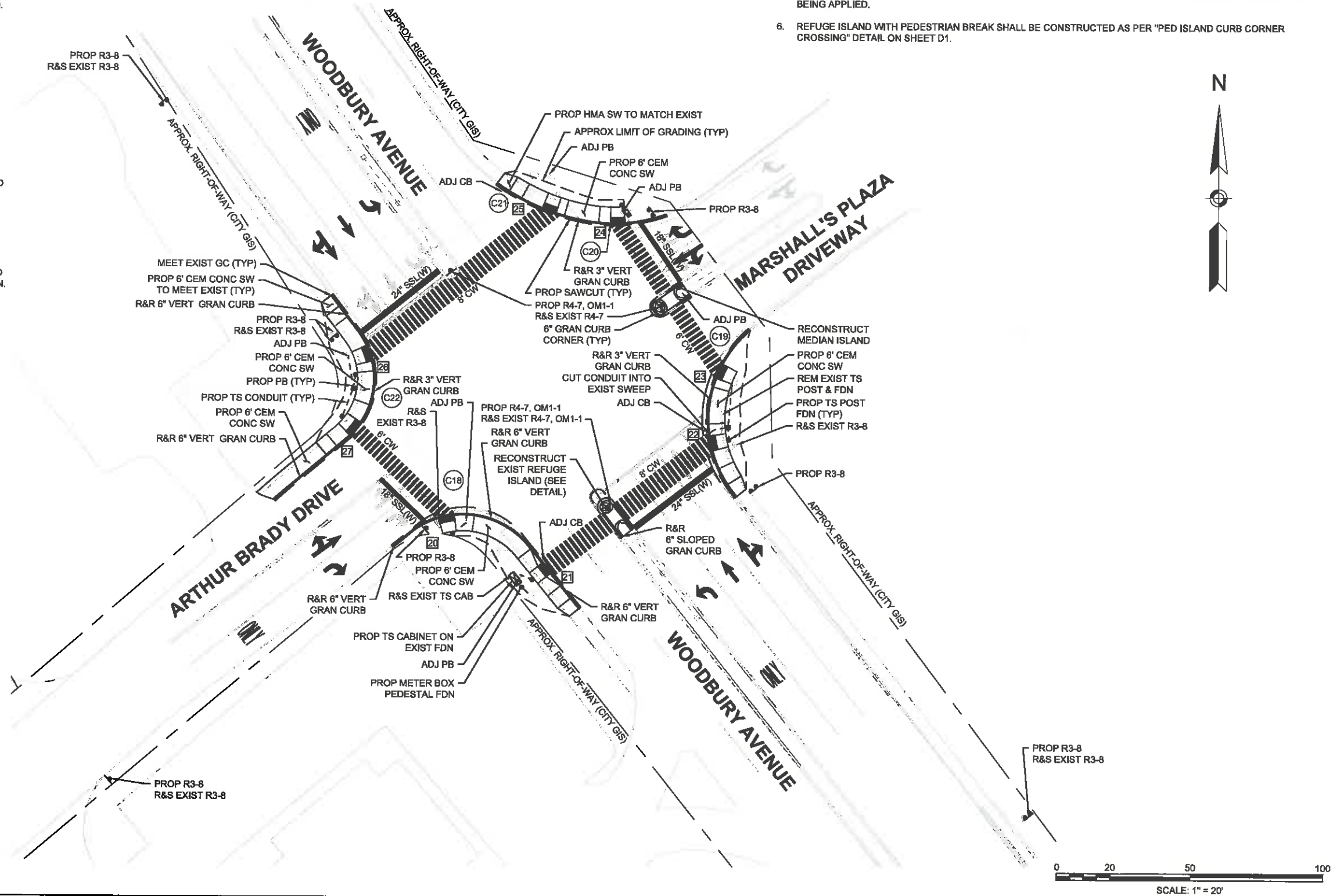
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DATE	APRIL 17, 2017
SCALE	1" = 20'

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Construction

PROJECT TITLE
Woodbury Avenue Traffic
Signal Interconnect
Project #29781

PROJECT LOCATION
Portsmouth,
New Hampshire

DRAWING TITLE
General Layout Plan
Woodbury Ave @
Arthur Brady Dr

PROJECT NO.	T0543
TEC CAD FILE	T0543_General Layout Plan.dwg
DRAWING NO.	G4
SHEET	10 OF 28

CURVE TABLE								
CURVE #	DELTA	RADIUS	LENGTH	TANGENT	PC STATION	OFFSET	PT STATION	OFFSET
C25	78° 19' 38"	50.00	68.35	40.73	21+50.50	43.78 LT	21+10.48	88.03 LT
C26	64° 03' 52"	58.00	64.85	36.29	20+91.61	59.61 LT	20+84.44	59.61 LT
C27	89° 19' 40"	50.00	77.95	49.42	21+51.43	89.55 LT	20+12.83	41.64 LT
C28	93° 49' 22"	42.00	68.78	44.90	20+38.89	85.03 RT	19+89.09	35.42 RT

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WOODBURY AVENUE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L2	16+31.86	214981.1207	1219559.5889		S89°05'47"W 423.44'	20+55.29	214974.4438	1219136.2038
C2	20+55.29	214974.4438	1219136.2038	R=520.00' Δ=52°29'18" L=476.37' T=258.37'		25+31.66	215171.2750	1218720.5688

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 DATE APRIL 17, 2017
 SCALE 1" = 20'

PREPARED FOR
 City of Portsmouth
 680 Peverly Hill Road
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NHDOT
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 Concord, NH 03302

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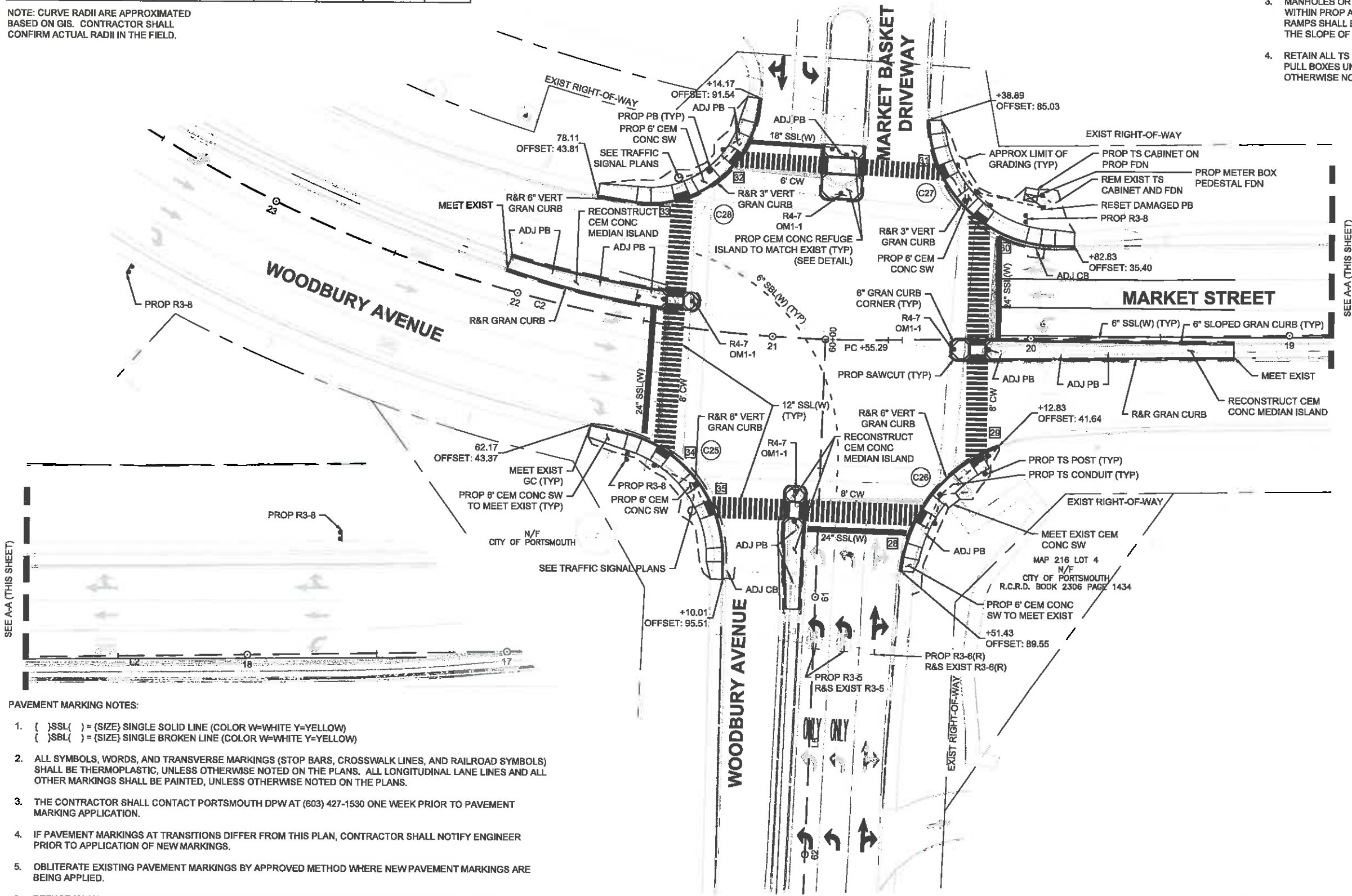
ISSUED FOR
 Construction

PROJECT TITLE
 Woodbury Avenue Traffic
 Signal Interconnect
 Project #29781

PROJECT LOCATION
 Portsmouth,
 New Hampshire

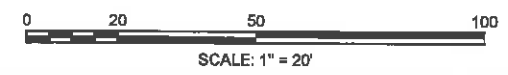
DRAWING TITLE
 General Layout Plan
 Woodbury Ave @
 Market St

PROJECT NO.
 T0543
 TEC CAD FILE
 T0543_General Layout Plan.dwg
 DRAWING NO.
G5
 SHEET 11 OF 28



PAVEMENT MARKING NOTES:

1. { }SSL{ } = {SIZE} SINGLE SOLID LINE (COLOR W=WHITE Y=YELLOW)
 { }SBL{ } = {SIZE} SINGLE BROKEN LINE (COLOR W=WHITE Y=YELLOW)
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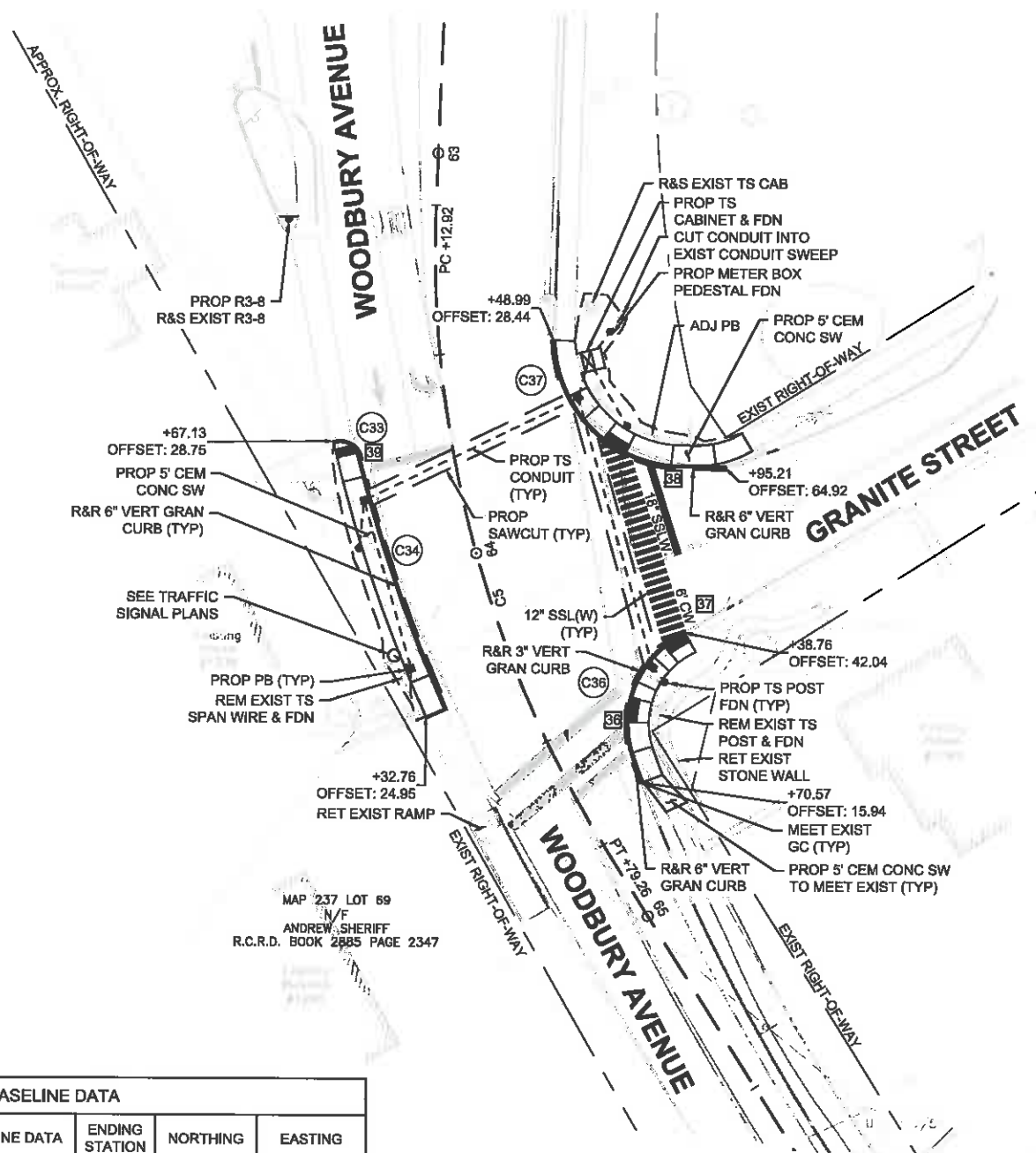
CURVE TABLE								
CURVE #	DELTA	RADIUS	LENGTH	TANGENT	PC STATION	OFFSET	PT STATION	OFFSET
C33	88° 22' 29"	5.00	7.71	4.86	63+67.53	28.11 RT	63+71.74	22.88 RT
C34	9° 38' 41"	360.00	60.60	30.37	63+71.74	22.88 RT	64+28.01	19.63 RT
C36	80° 03' 29"	25.00	34.93	21.00	64+63.87	16.94 LT	64+39.02	40.11 LT
C37	88° 20' 17"	32.00	49.34	31.09	63+91.63	54.42 LT	63+48.99	28.44 LT

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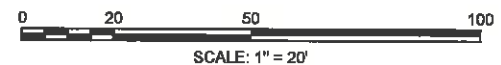
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MAP 237 LOT 69
N/F
ANDREW SHERIFF
R.C.R.D. BOOK 2885 PAGE 2347

WOODBURY AVENUE 2 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L5	60+00.00	214974.8281	1219111.9168		S1°55'50"W 312.92'	63+12.92	214661.8842	1219101.3750
C5	63+12.92	214661.8842	1219101.3750	R=280.00' Δ=34°02'12" L=166.34' T=85.70'		64+79.26	214503.6342	1219144.0380
L6	64+79.26	214503.6342	1219144.0380		S32°06'22"E 186.74'	68+66.00	214345.4504	1219243.2903



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Project #29781

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General Layout Plan
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PROJECT NO.
T0543

TEC CAD FILE
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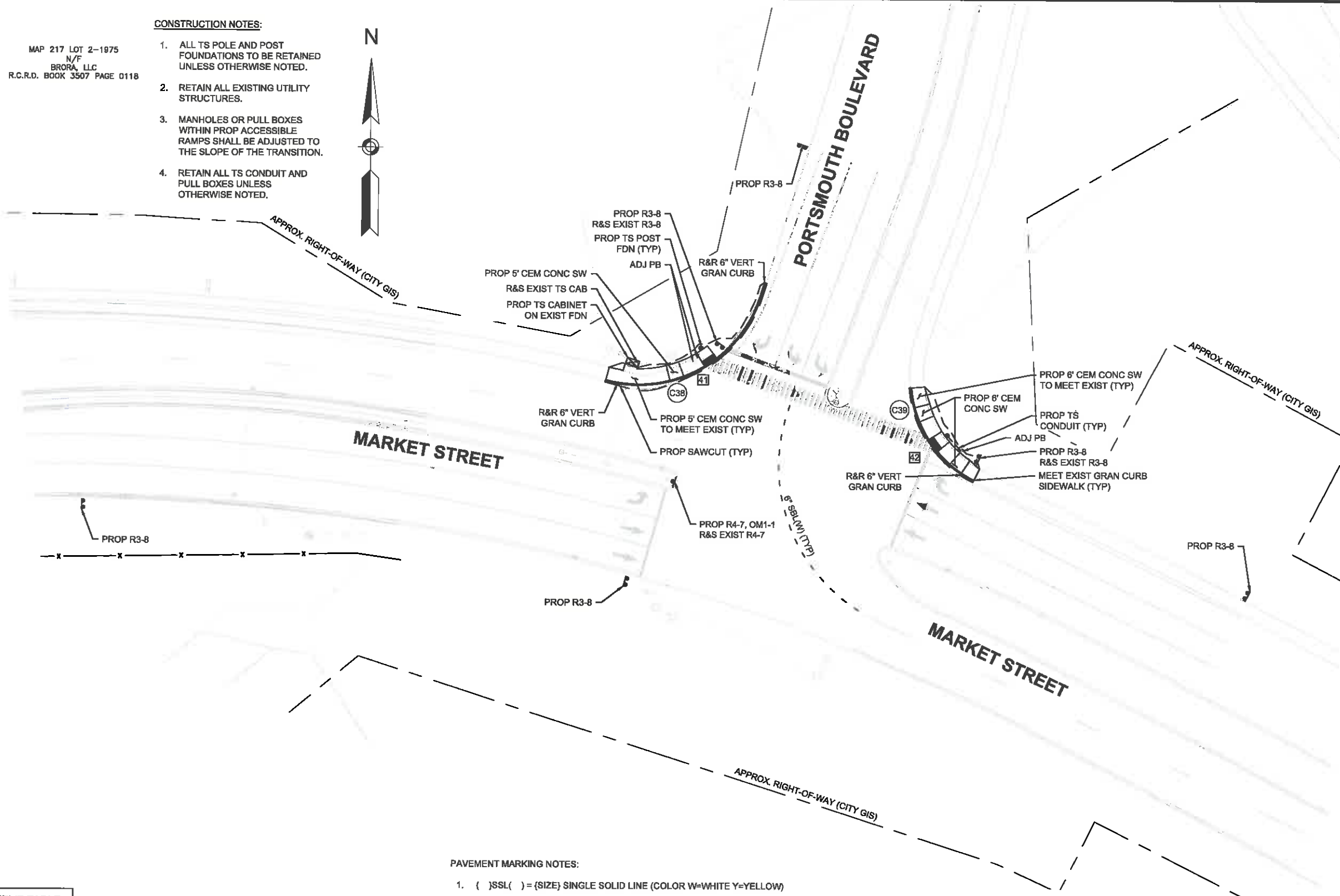
DRAWING NO.
G6

SHEET 12 OF 28

MAP 217 LOT 2-1975
N/F
BRORA, LLC
R.C.R.D. BOOK 3507 PAGE 0118

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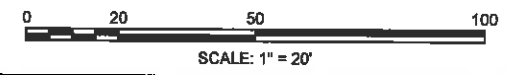


CURVE TABLE	
CURVE #	RADIUS
C38	± 50.00
C39	± 45.00

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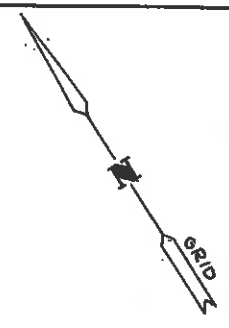
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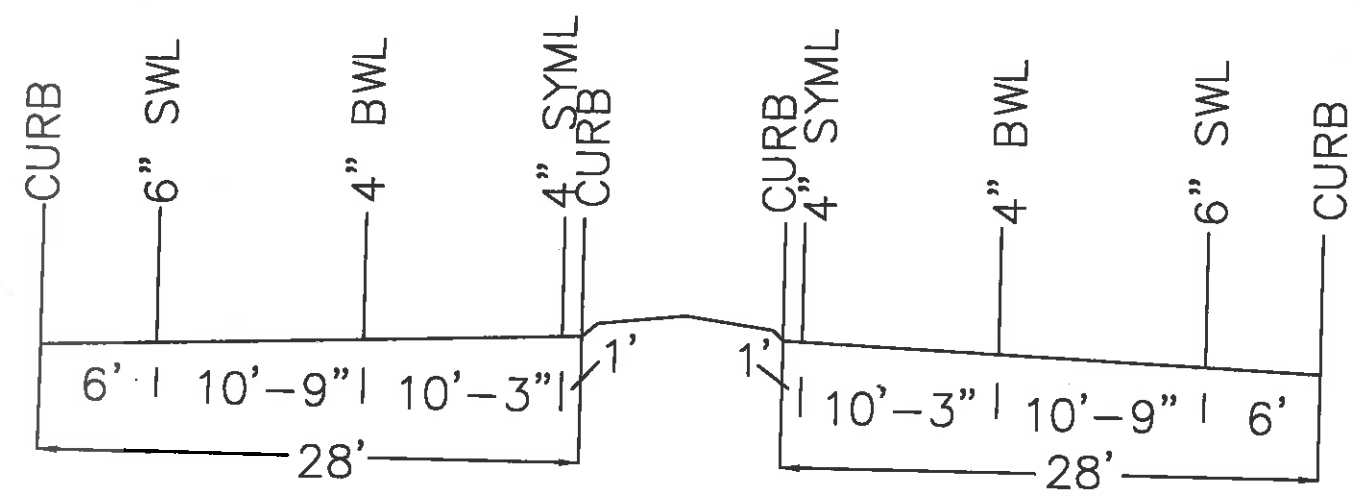
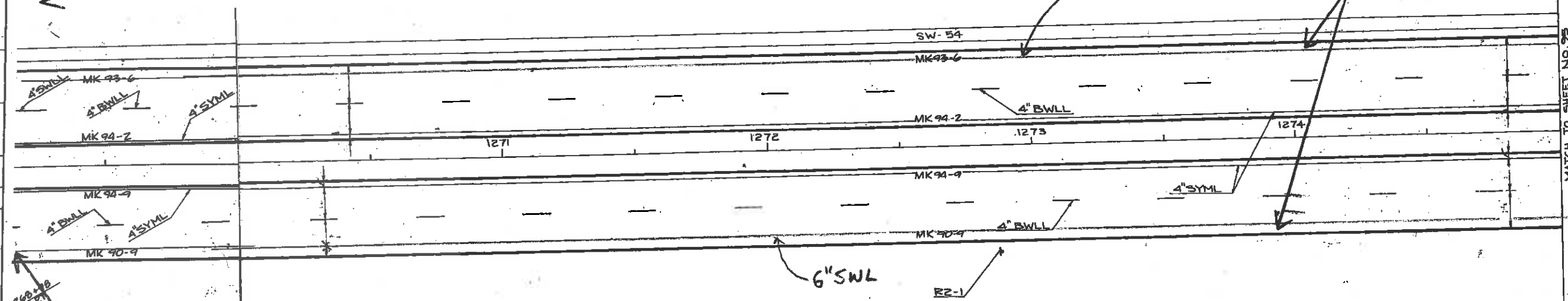
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TEC CAD FILE	T0543_General Layout Plan.dwg
DRAWING NO.	G7
SHEET	13 OF 28

NTS



SEE PORTSMOUTH BOULEVARD INTERSECTION STRIPING PLAN FROM TEC

NOTE:
0" REVEAL OF STANDARD CURB AT ALL CURB ENDS.



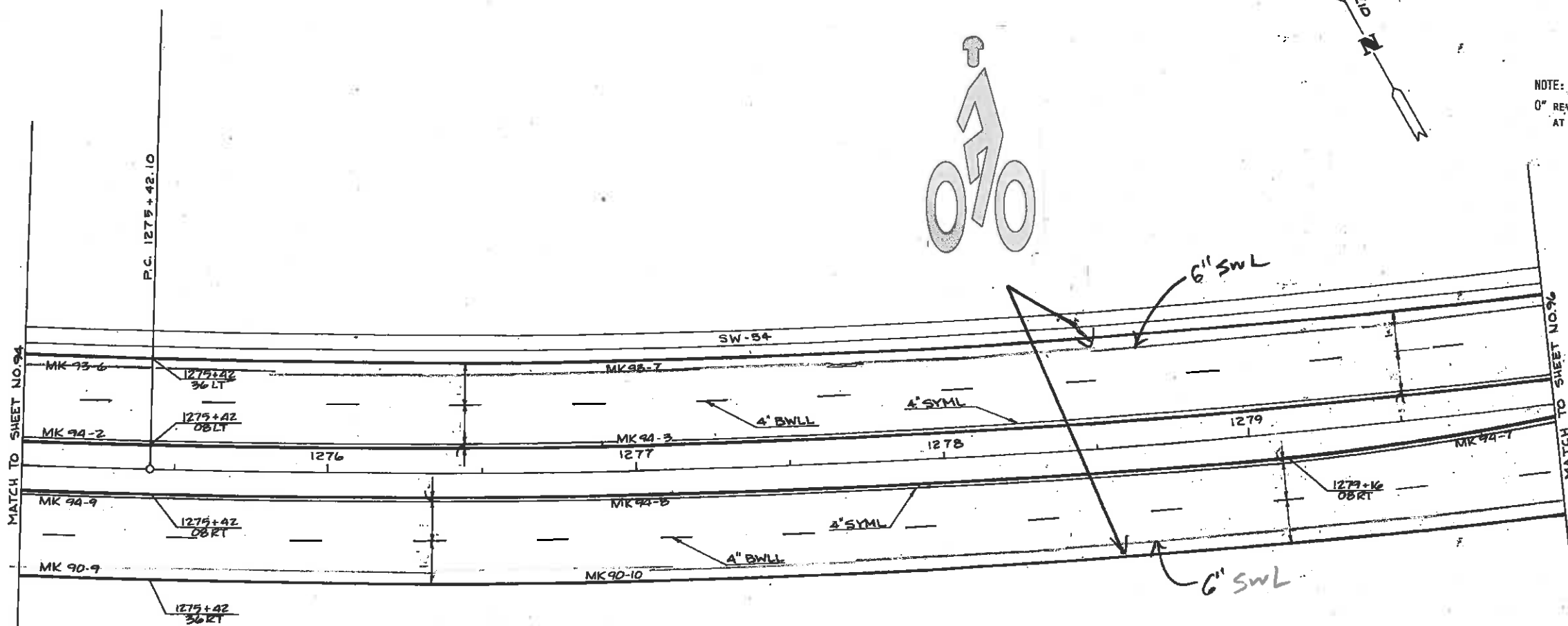
STANDARD STRIPING DETAIL
IN THIS SECTION OF ROAD
ALL MEASUREMENTS ARE TO CENTER OF STRIPE

LEGEND

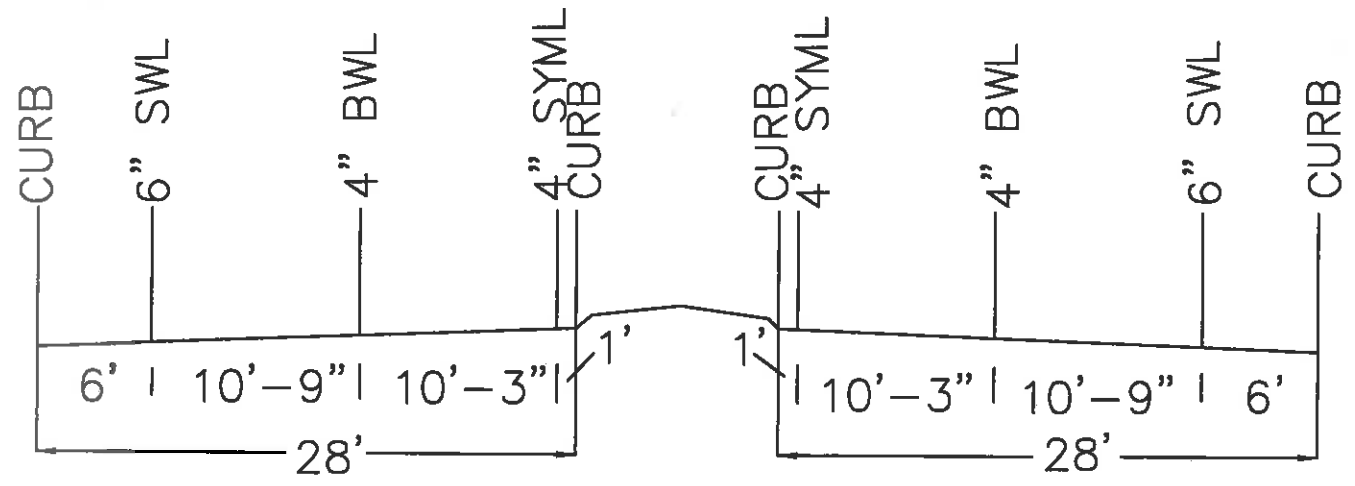
- BYLL - BROKEN YELLOW LANE LINE
- DYLL - DOUBLE YELLOW LANE LINE
- BWLL - BROKEN WHITE LANE LINE
- SYLL - SOLID YELLOW LANE LINE
- SWL - SOLID WHITE LANE LINE
- SWL - SOLID WHITE LANE LINE
- DYCL - DOUBLE YELLOW CENTER LINE
- SYML - SINGLE YELLOW MEDIAN LINE

PAVEMENT, CURBING, SIGNING, &
PAVEMENT MARKING LAYOUT

DATE	NO.	DATE	NO.
PLAN TRACED	1	DATE	NO.
PROFILE TRACED	1	DATE	NO.
PROFILE CHECKED	1	DATE	NO.
INKED JWM	1	DATE	NO.
CHECKED B.S.	1	DATE	NO.



NOTE:
0" REVEAL OF STANDARD CURB-
AT ALL CURB ENDS'



STANDARD STRIPING DETAIL
IN THIS SECTION OF ROAD
ALL MEASUREMENTS ARE TO CENTER OF STRIPE

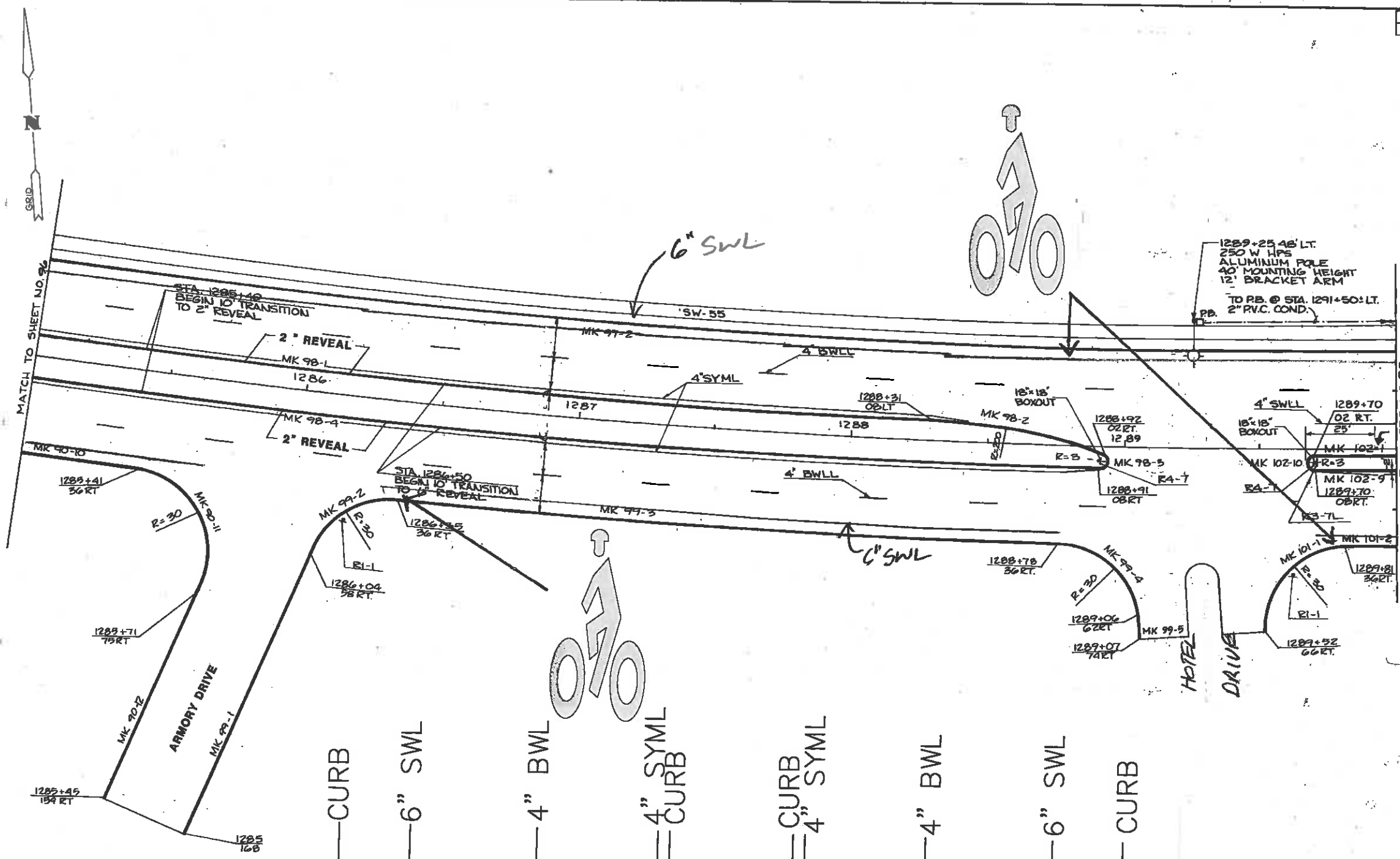
- LEGEND
- BYLL - BROKEN YELLOW LANE LINE
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 - BWLL - BROKEN WHITE LANE LINE
 - SYLL - SOLID YELLOW LANE LINE
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 - DYCL - DOUBLE YELLOW CENTER LINE
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**PAVEMENT, CURBING &
PAVEMENT MARKING LAYOUT**

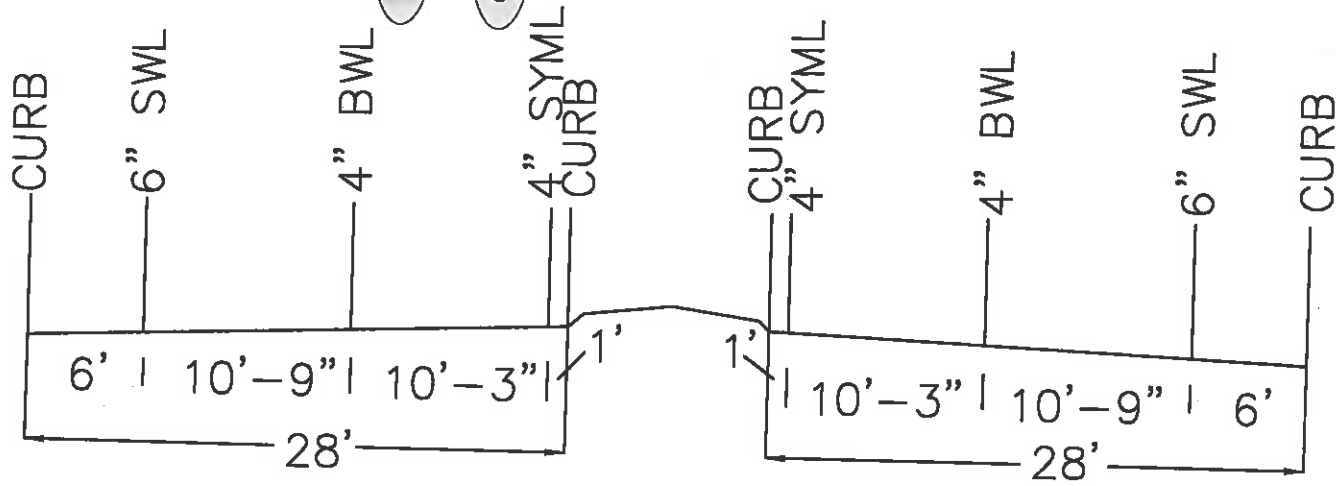
DATE	REVISIONS AFTER PROPOSAL	NO.	DATE	STATION	STATION	DESCRIPTION
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DATE	NO.	DATE	STATION	STATION	DESCRIPTION
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DATE	DATE	DATE	DATE
PLAN TRACED	PROFILE TRACED	INKED JWM	CHECKED GS JR.
PLAN CHECKED	PROFILE CHECKED		
DATE	DATE	DATE	DATE
BOOK NO.	BOOK NO.	BOOK NO.	BOOK NO.
PAGE NO.	PAGE NO.	PAGE NO.	PAGE NO.
NO.	DATE	STATION	DESCRIPTION
REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)			



NOTE:
0" REVEAL OF STANDARD CURB AT ALL CURB ENDS.

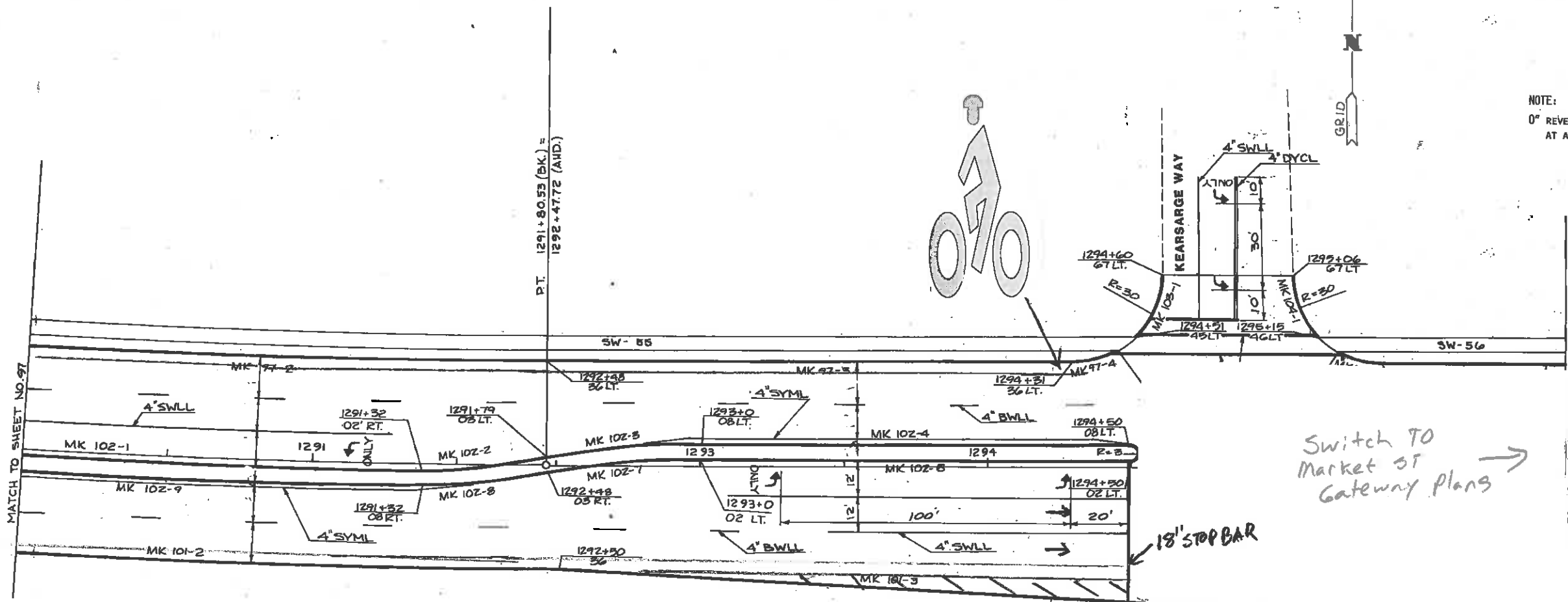


STANDARD STRIPING DETAIL
IN THIS SECTION OF ROAD
ALL MEASUREMENTS ARE TO CENTER OF STRIPE

- LEGEND
- BYLL - BROKEN YELLOW LANE LINE
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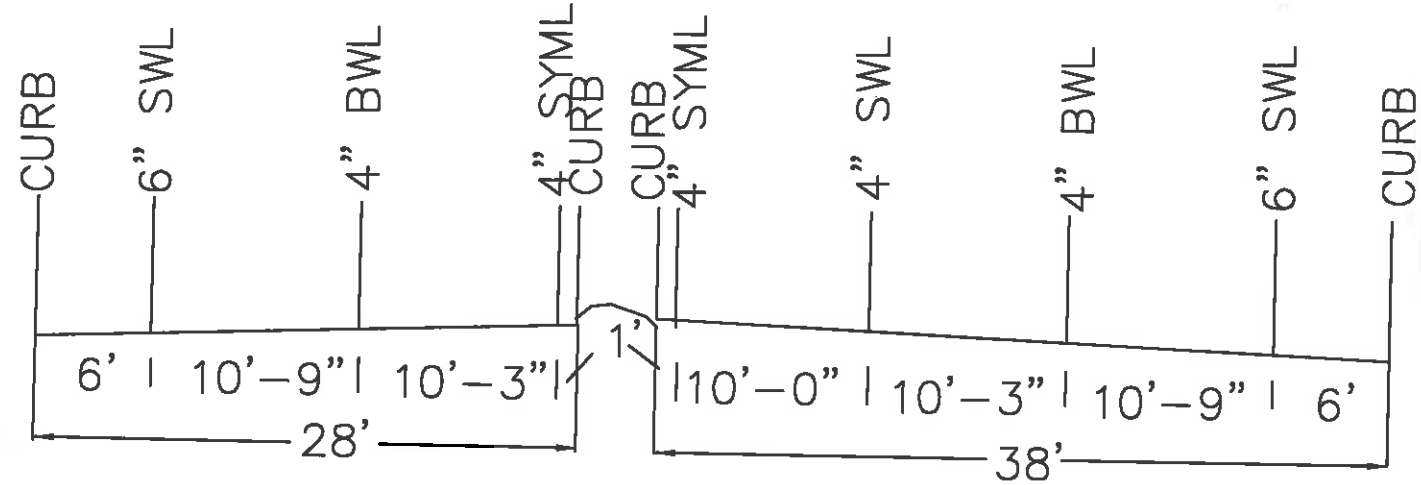
PAVEMENT, CURBING, SIGNING, & PAVEMENT MARKING LAYOUT

BRUNING 34883	DATE	BOOK NO.	NOTE BOOKS	REVISIONS AFTER PROPOSAL	(USE BOTTOM LINES FIRST)
PLAN TRACED	..	..	PAGE NO.	NO.	DATE
PROFILE TRACED	..	..	..	STATION	STATION
PROFILE CHECKED	..	..	..	DATE	DATE
INKER JVM
CHECKED GS JR.



NOTE:
0" REVEAL OF STANDARD CURB
AT ALL CURB ENDS.

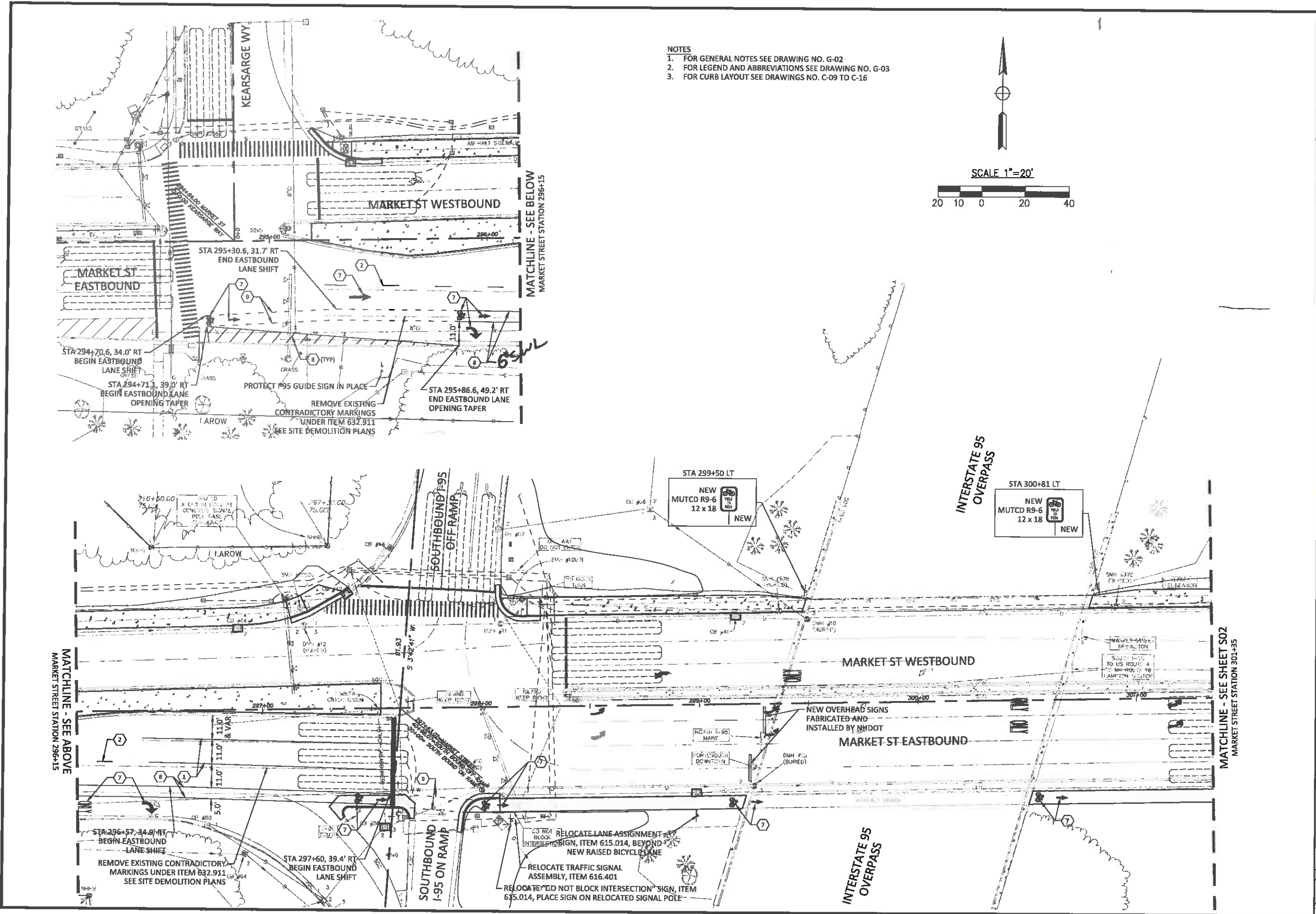
Switch to
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Gateway Plans →



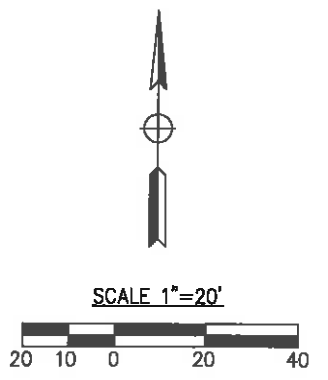
STANDARD STRIPING DETAIL
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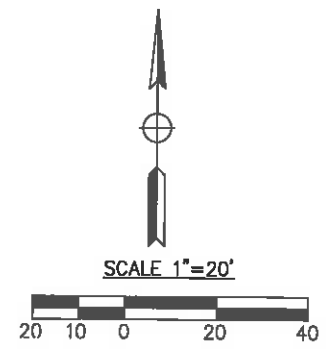
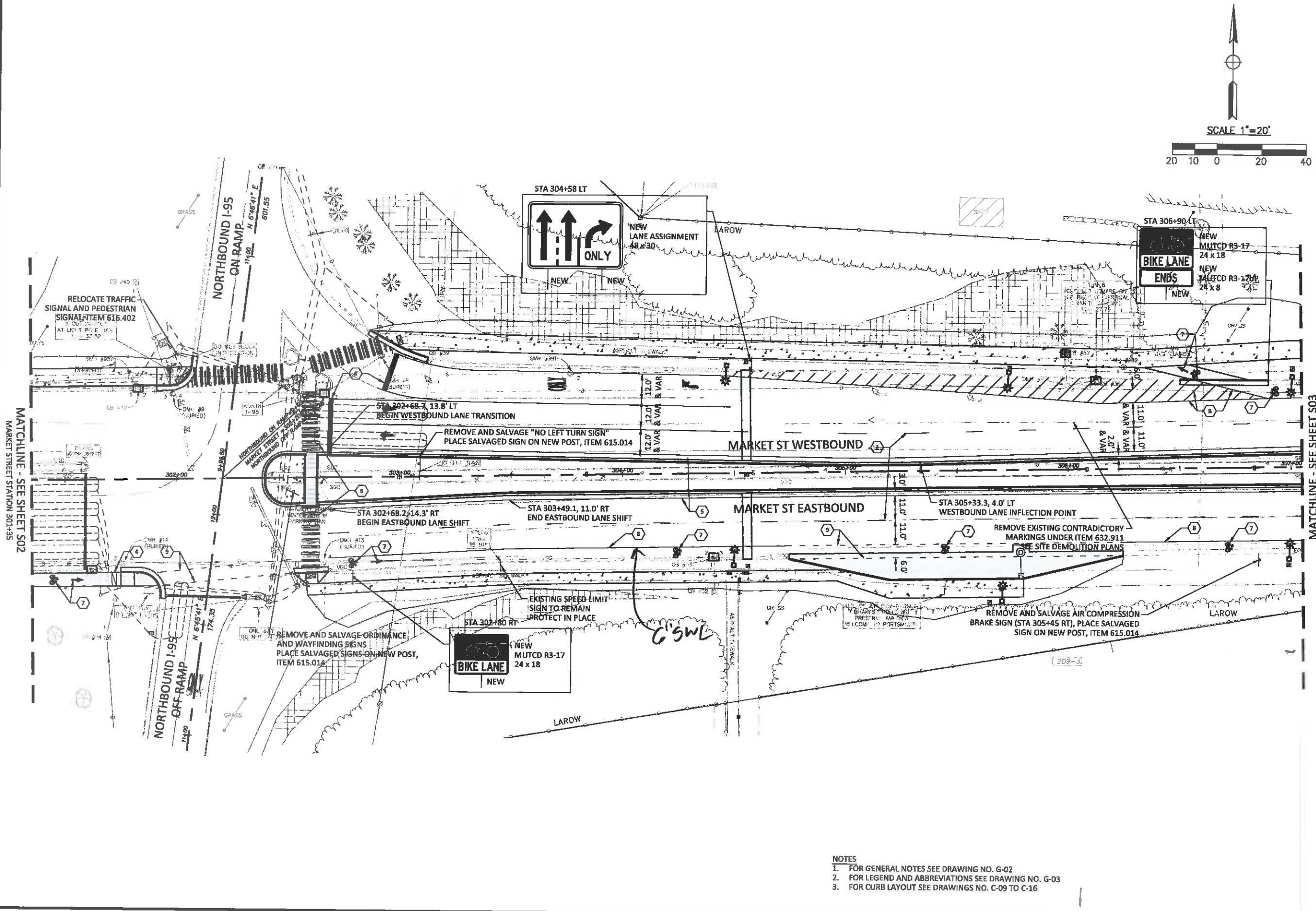
**PAVEMENT, CURBING, &
PAVEMENT MARKING LAYOUT**



- NOTES
1. FOR GENERAL NOTES SEE DRAWING NO. G-02
 2. FOR LEGEND AND ABBREVIATIONS SEE DRAWING NO. G-03
 3. FOR CURB LAYOUT SEE DRAWINGS NO. C-09 TO C-16



PROJECT No. 13121	DESIGNED BY:	CHECKED BY:	SCALE: 1"=20'
<p>CITY OF PORTSMOUTH, NH</p> <p>MARKET STREET GATEWAY</p> <p>SIGN & STRIPE PLAN 1</p>			
<p>DATE: NOVEMBER 2015</p> <p>DRAWING No. ST-01</p> <p>SHEET: 42 of 100</p>			



no.	revision	revision	date	by

PROJECT No. 13121
 DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 SCALE: 1"=20'

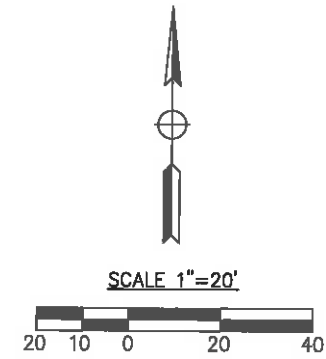
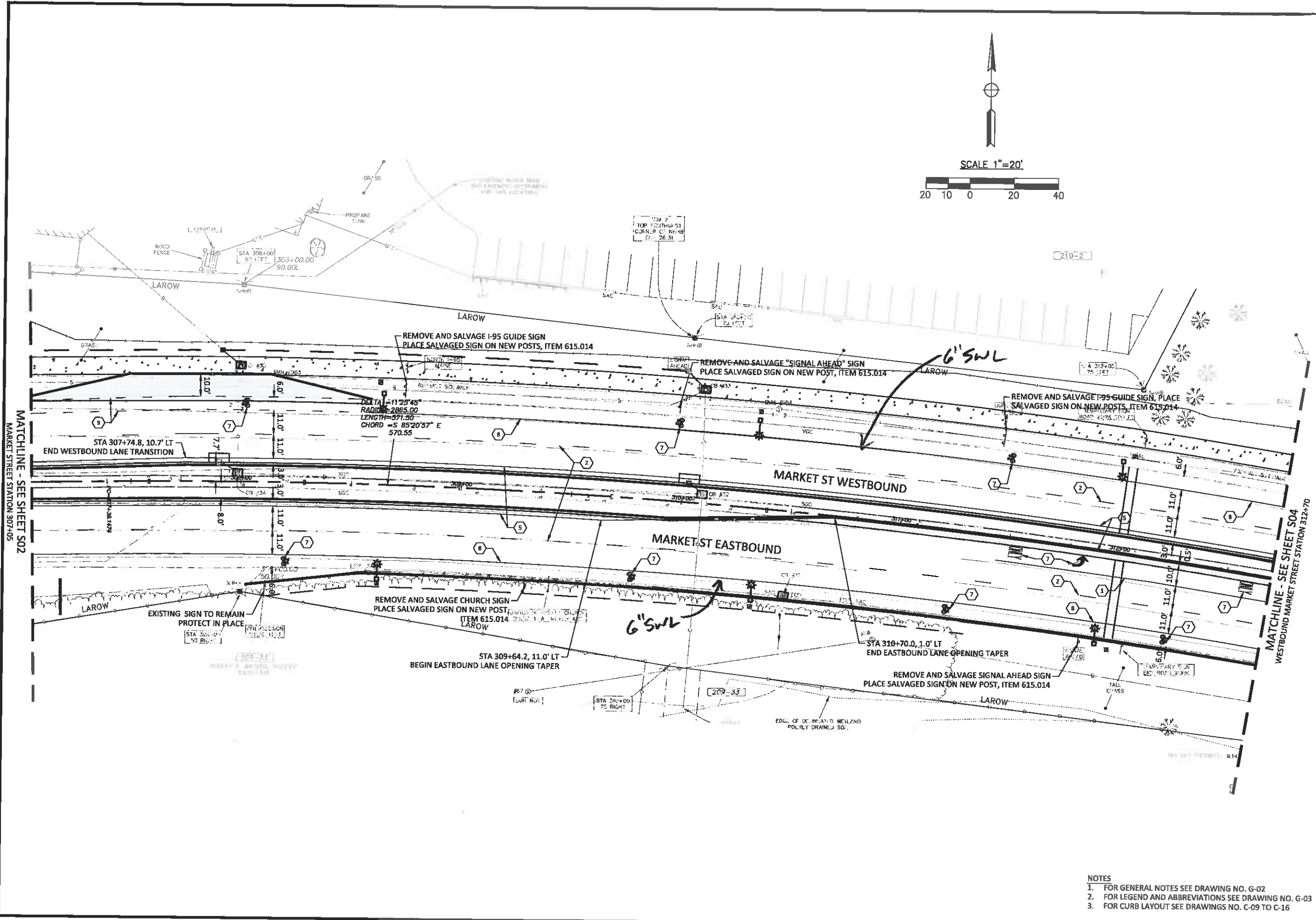
RSRG the science of insight
 95 Railroad Ave., Suite 100, Portsmouth, Vermont 05647
 802.283.4838 FAX 802.283.1076

Richardson & Associates
 Landscape Architects

CITY OF PORTSMOUTH, NH
 MARKET STREET GATEWAY
 SIGN & STRIPE PLAN 2

- NOTES
 1. FOR GENERAL NOTES SEE DRAWING NO. G-02
 2. FOR LEGEND AND ABBREVIATIONS SEE DRAWING NO. G-03
 3. FOR CURB LAYOUT SEE DRAWINGS NO. C-09 TO C-16

C:\Projects\NH\Portsmouth-NH113121 - Portsmouth Market Street Gateway\CAD\Final Design\Market Street Stripping Plan.dwg



no.	revision	date	by

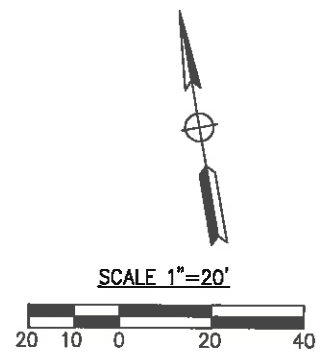
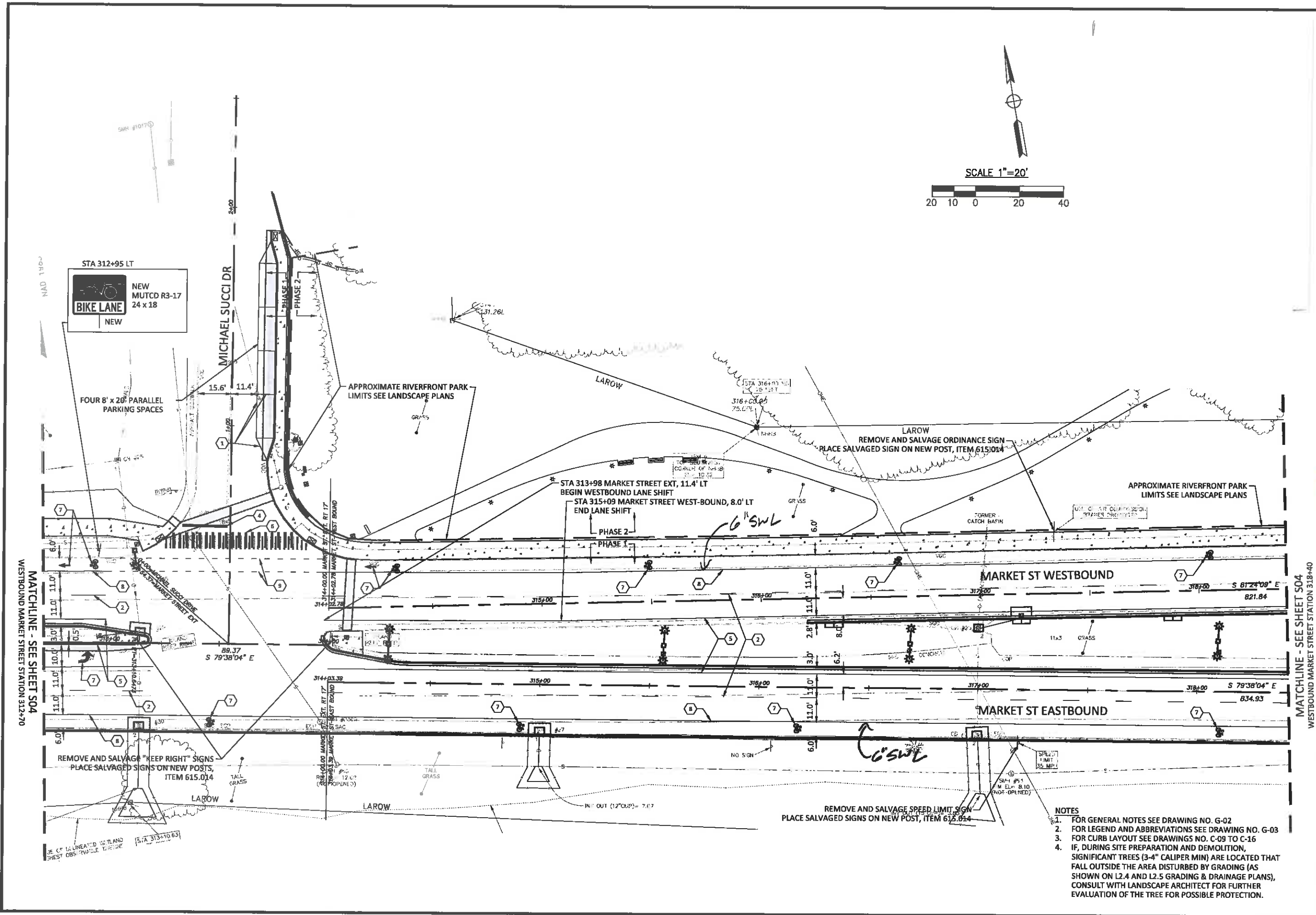
PROJECT No.	DESIGNED BY:	CHECKED BY:	SCALE:
13721	DJG	DJG	1"=20'

RSRG
the science of insight
18 Railroad Ave., White Plains, NY 10610
914.284.4999 FAX 914.284.1005

Richardson & Associates
Landscape Architects

CITY OF PORTSMOUTH, NH
MARKET STREET GATEWAY
SIGN & STRIPE PLAN 3

- NOTES**
- FOR GENERAL NOTES SEE DRAWING NO. G-02
 - FOR LEGEND AND ABBREVIATIONS SEE DRAWING NO. G-03
 - FOR CURB LAYOUT SEE DRAWINGS NO. C-09 TO C-16



no.	revision	date	by

PROJECT No. 13121	DESIGNED BY: DJG	CHECKED BY: DJG	SCALE: 1"=20'
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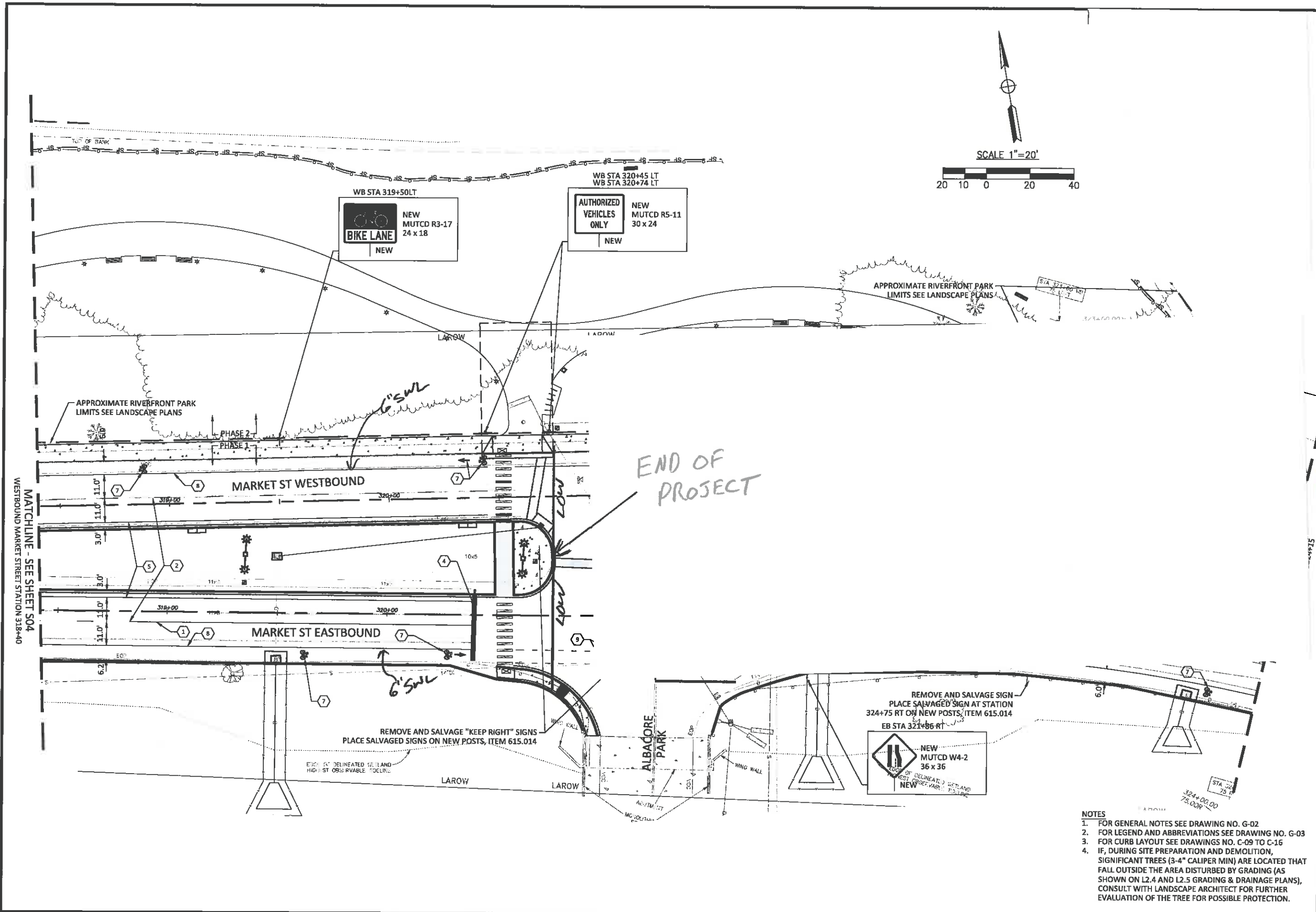
RSG the science of thought
50 Railroad Row, White River Junction, Vermont 05001
802.253.8999 Fax: 802.253.0008

Richardson & Associates
Landscape Architects

CITY OF PORTSMOUTH, NH
MARKET STREET GATEWAY
SIGN & STRIPE PLAN 4

DATE: APRIL 2016
DRAWING No. ST-04
SHEET: 45 of 100

- NOTES**
1. FOR GENERAL NOTES SEE DRAWING NO. G-02
 2. FOR LEGEND AND ABBREVIATIONS SEE DRAWING NO. G-03
 3. FOR CURB LAYOUT SEE DRAWINGS NO. C-09 TO C-16
 4. IF, DURING SITE PREPARATION AND DEMOLITION, SIGNIFICANT TREES (3-4" CALIPER MIN) ARE LOCATED THAT FALL OUTSIDE THE AREA DISTURBED BY GRADING (AS SHOWN ON L2.4 AND L2.5 GRADING & DRAINAGE PLANS), CONSULT WITH LANDSCAPE ARCHITECT FOR FURTHER EVALUATION OF THE TREE FOR POSSIBLE PROTECTION.



no.	revision	revision	date	by

PROJECT No. 13121
 DESIGNED BY: DJG
 CHECKED BY: DJG
 SCALE: 1"=20'

RSG the science of insight
 55 Richard Ave., White River Junction, Vermont 05001
 802.249.0272, fax 802.249.0280

Richardson & Associates
 Landscape Architects

CITY OF PORTSMOUTH, NH
 MARKET STREET GATEWAY
 SIGN & STRIPE PLAN 5

DATE: NOVEMBER 2015
 DRAWING No. ST-05
 SHEET: 48 of 100

- NOTES**
1. FOR GENERAL NOTES SEE DRAWING NO. G-02
 2. FOR LEGEND AND ABBREVIATIONS SEE DRAWING NO. G-03
 3. FOR CURB LAYOUT SEE DRAWINGS NO. C-09 TO C-16
 4. IF, DURING SITE PREPARATION AND DEMOLITION, SIGNIFICANT TREES (3-4" CALIPER MIN) ARE LOCATED THAT FALL OUTSIDE THE AREA DISTURBED BY GRADING (AS SHOWN ON L2.4 AND L2.5 GRADING & DRAINAGE PLANS), CONSULT WITH LANDSCAPE ARCHITECT FOR FURTHER EVALUATION OF THE TREE FOR POSSIBLE PROTECTION.