

HIGHWAY GUARD DETAILS

SEE PAGE 24

TRAFFIC SIGNAL CONDUIT

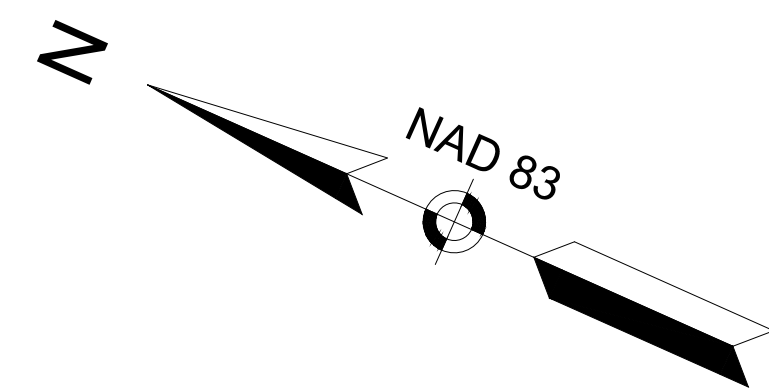
NONE

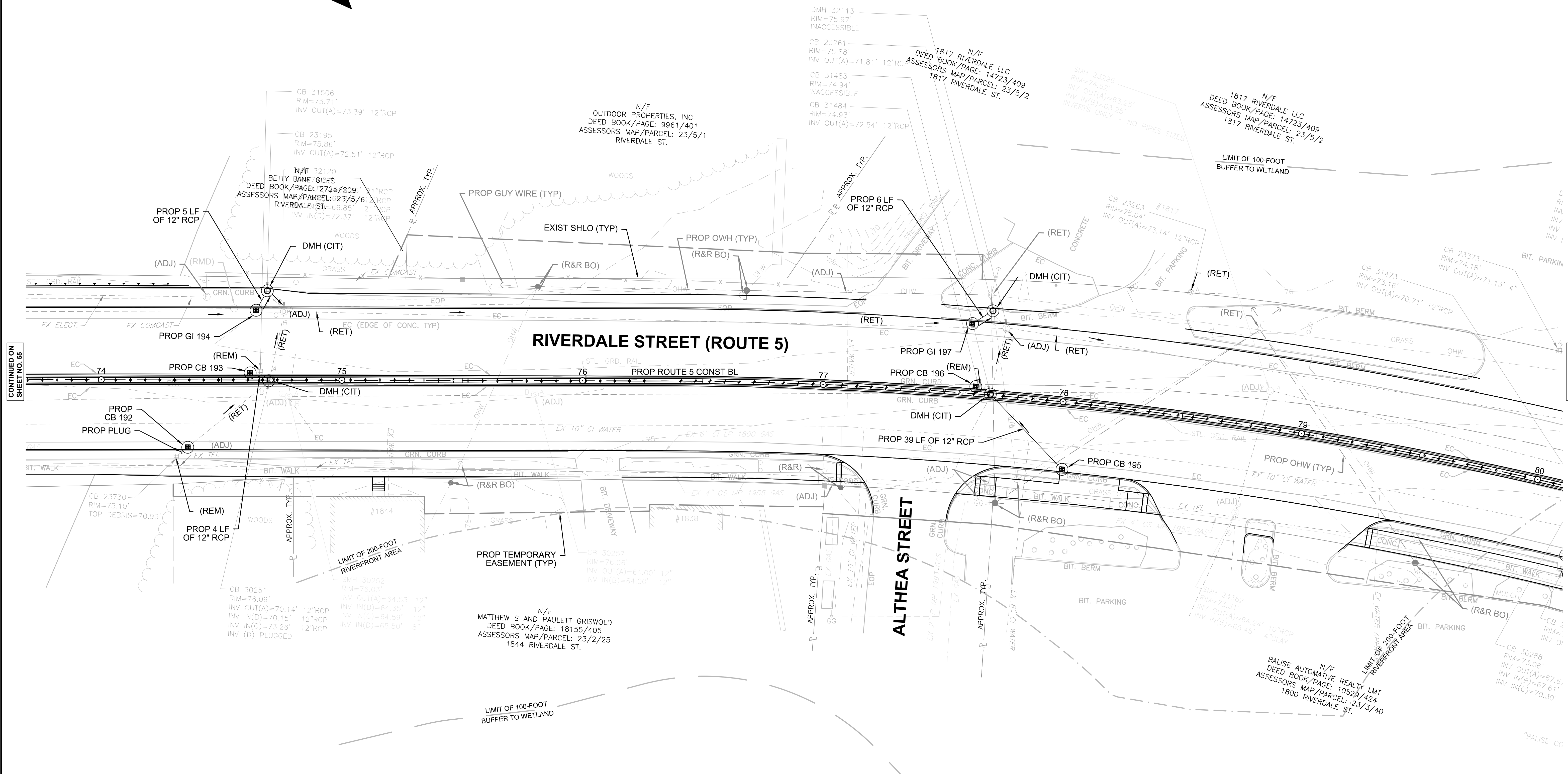
WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW





CONTINUED ON SHEET NO. 55

NOTES:

- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 25

TRAFFIC SIGNAL CONDUIT

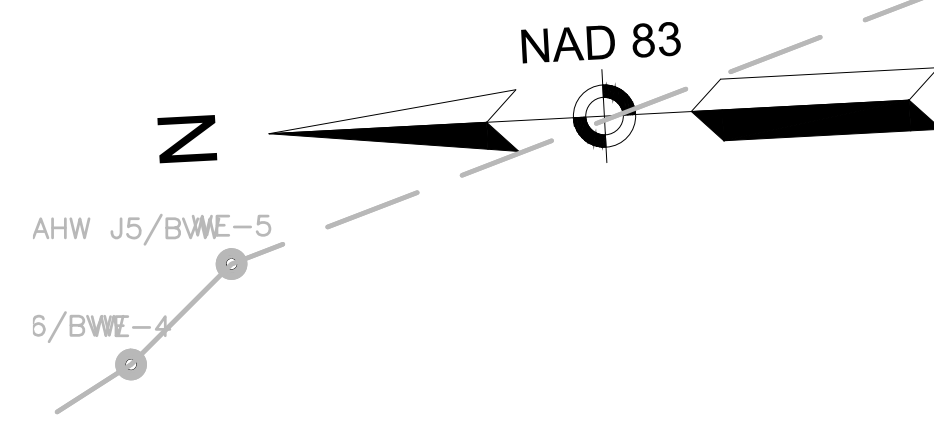
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



LIMIT OF 100-FOOT BUFFER TO WETLAND

LIMIT OF 200-FOOT RIVERFRONT AREA

RIVERDALE STREET (ROUTE 5)

LABELLE ST.

CONTINUED ON SHEET NO. 56

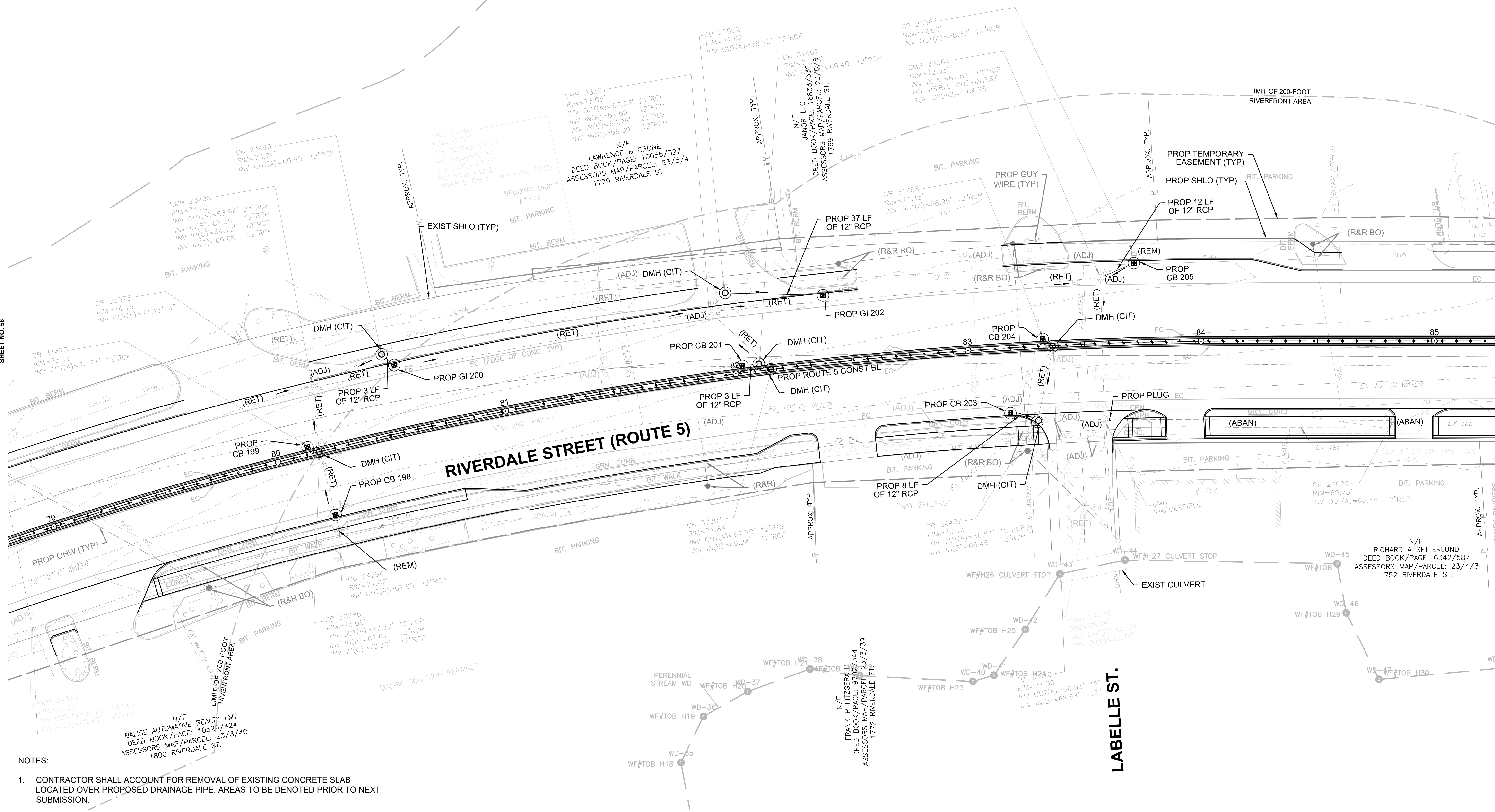
- NOTES:
- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.

N/F
BALISE AUTOMATIVE REALTY LMT
DEED BOOK/PAGE: 10523/424
ASSESSORS MAP/PARCEL: 23/3/40
1800 RIVERDALE ST.

N/F
LAWRENCE B CRONE
DEED BOOK/PAGE: 10055/327
ASSESSORS MAP/PARCEL: 23/5/4
1779 RIVERDALE ST.

N/F
FRANK P FITZGERALD
DEED BOOK/PAGE: 6342/587
ASSESSORS MAP/PARCEL: 23/3/59
1772 RIVERDALE ST.

N/F
RICHARD A SETTERLUND
DEED BOOK/PAGE: 6342/587
ASSESSORS MAP/PARCEL: 23/4/3
1752 RIVERDALE ST.



HIGHWAY GUARD DETAILS

SEE PAGE 26

TRAFFIC SIGNAL CONDUIT

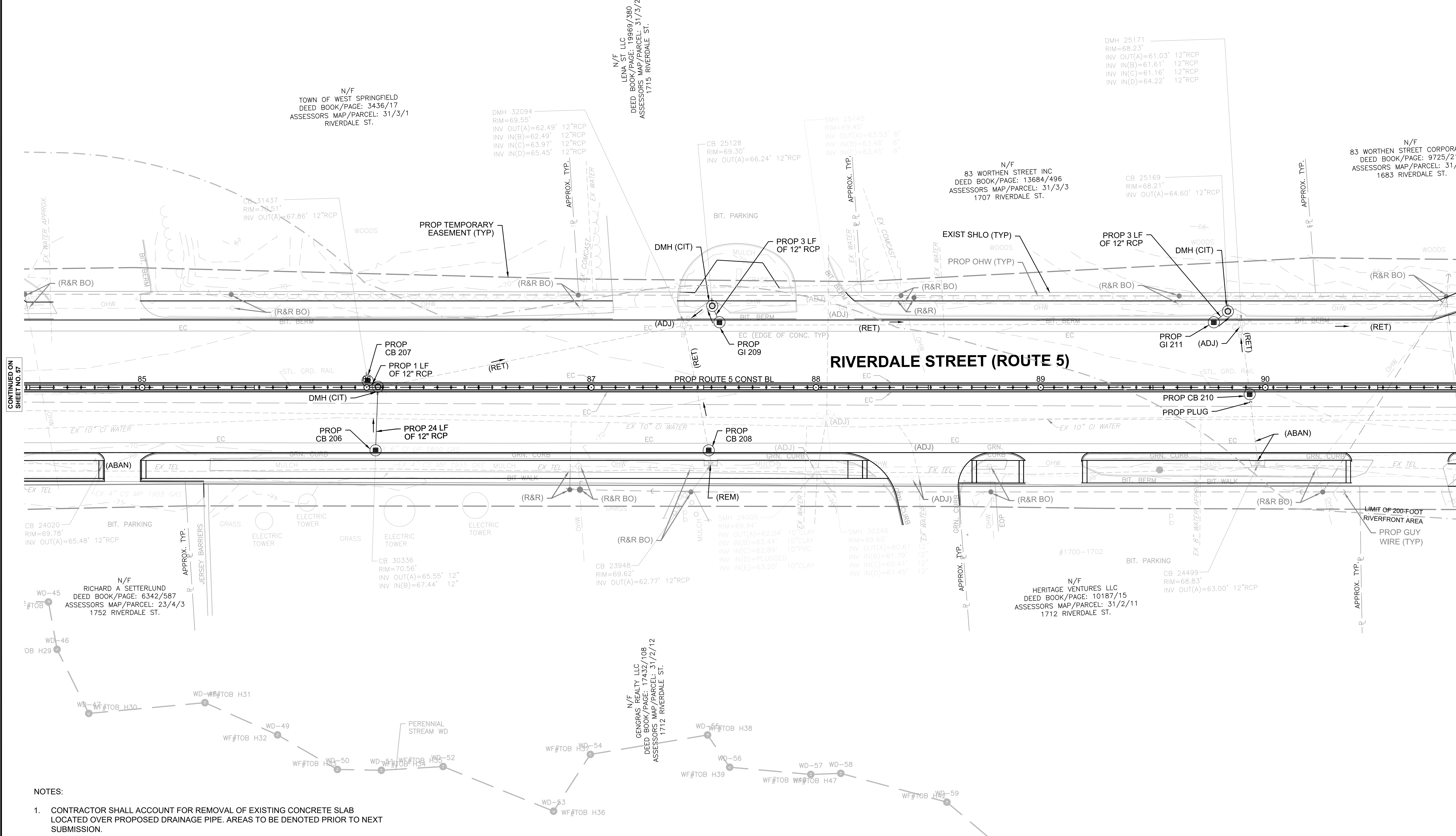
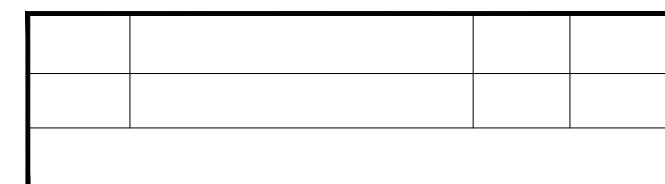
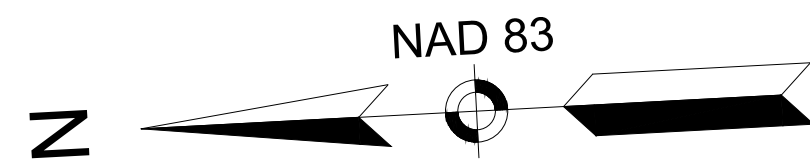
SEE PAGE 119

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



CONTINUED ON SHEET NO. 57

RIVERDALE STREET (ROUTE 5)

- NOTES:
- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 27

TRAFFIC SIGNAL CONDUIT

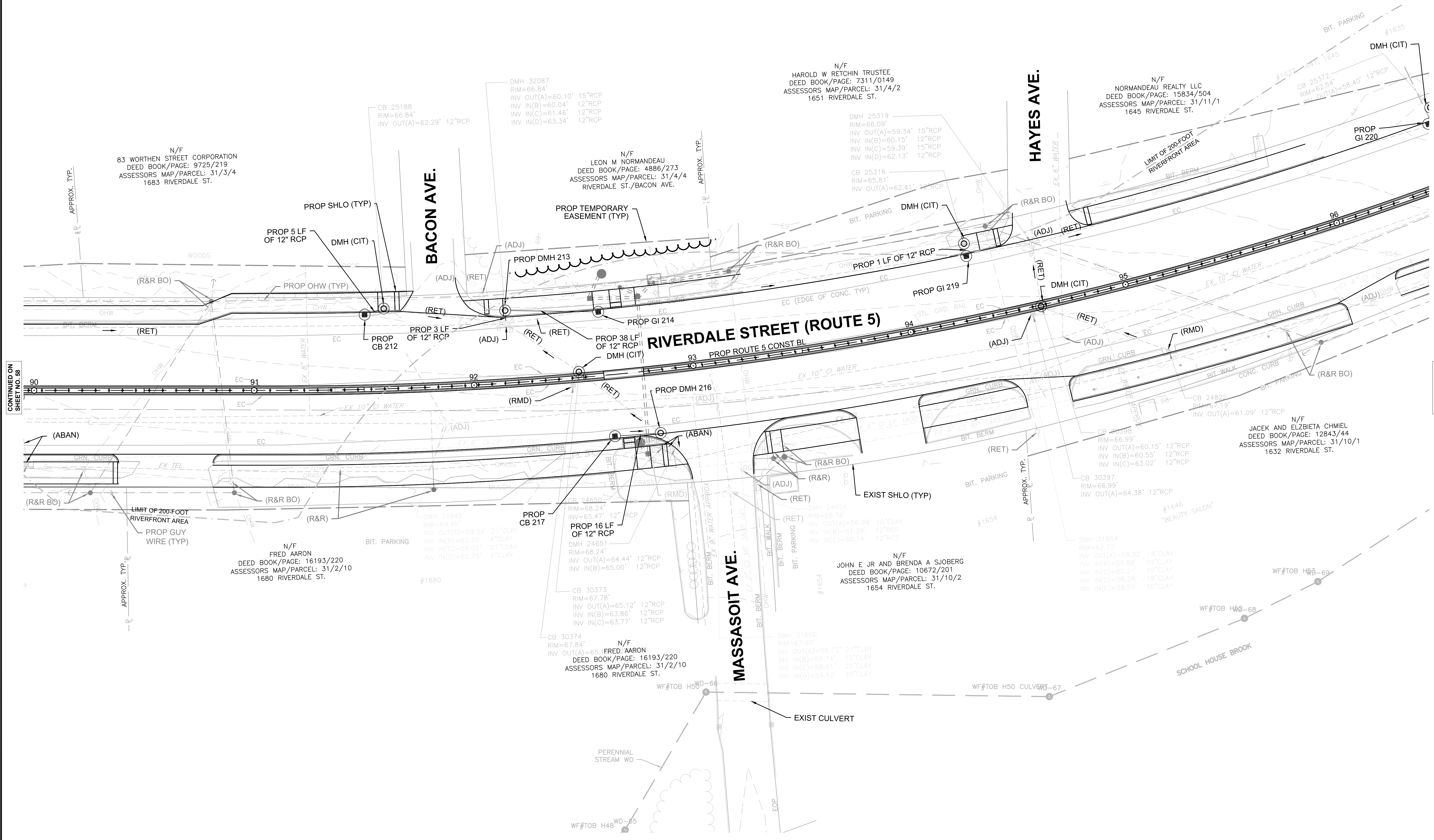
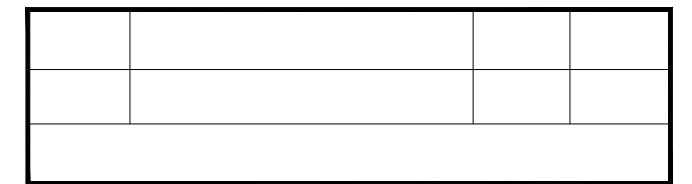
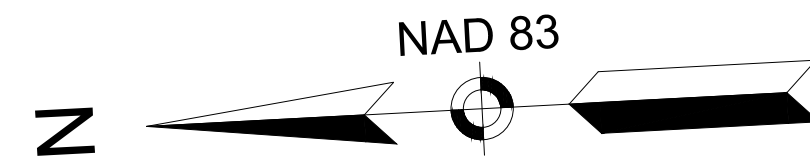
SEE PAGE 119

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



CONTINUED ON SHEET NO. 58

N/F
83 WORTHEN STREET CORPORATION
DEED BOOK/PAGE: 9725/219
ASSESSORS MAP/PARCEL: 31/3/4
1683 RIVERDALE ST.

BACON AVE.

N/F
LEON M NORMANDEAU
DEED BOOK/PAGE: 4886/273
ASSESSORS MAP/PARCEL: 31/4/4
RIVERDALE ST./BACON AVE.

N/F
HAROLD W RETCHIN TRUSTEE
DEED BOOK/PAGE: 7311/0149
ASSESSORS MAP/PARCEL: 31/4/2
1651 RIVERDALE ST.

HAYES AVE.

N/F
NORMANDEAU REALTY LLC
DEED BOOK/PAGE: 15834/504
ASSESSORS MAP/PARCEL: 31/11/1
1645 RIVERDALE ST.

N/F
FRED AARON
DEED BOOK/PAGE: 16193/220
ASSESSORS MAP/PARCEL: 31/2/10
1680 RIVERDALE ST.

N/F
FRED AARON
DEED BOOK/PAGE: 16193/220
ASSESSORS MAP/PARCEL: 31/2/10
1680 RIVERDALE ST.

N/F
JOHN E JR AND BRENDA A SJOBERG
DEED BOOK/PAGE: 10672/201
ASSESSORS MAP/PARCEL: 31/10/2
1654 RIVERDALE ST.

N/F
JACEK AND ELZBIETA CHMIEL
DEED BOOK/PAGE: 12843/44
ASSESSORS MAP/PARCEL: 31/10/1
1632 RIVERDALE ST.

MASSASSOIT AVE.

SCHOOL HOUSE BROOK



HIGHWAY GUARD DETAILS

SEE PAGE 28

TRAFFIC SIGNAL CONDUIT

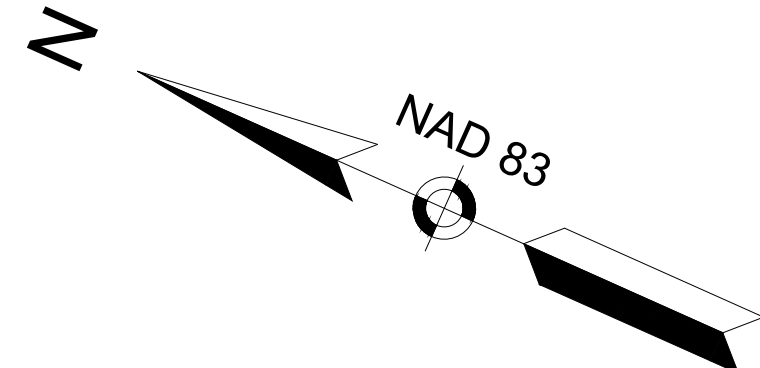
SEE PAGE 119 AND 120

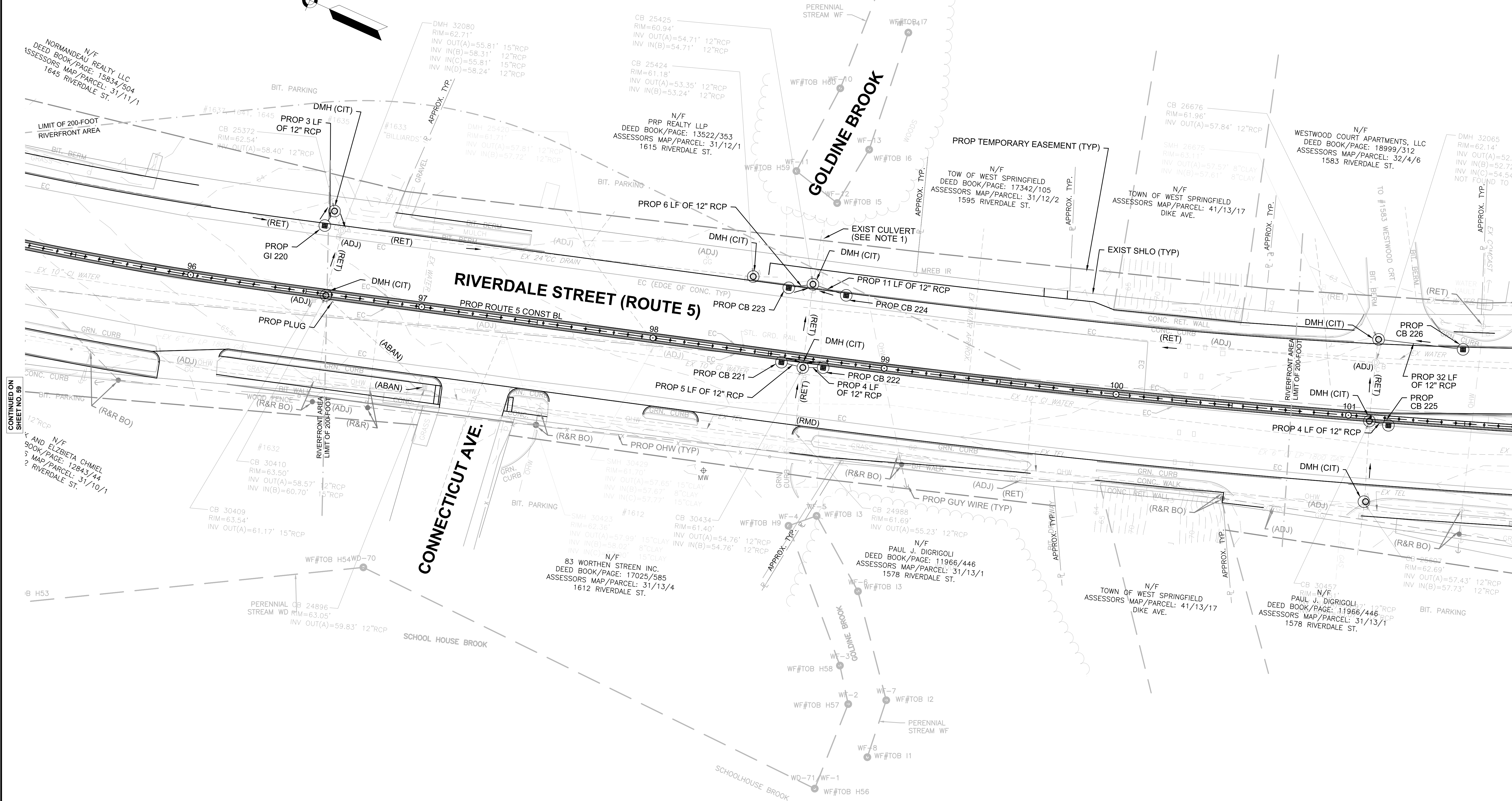
WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW





CONTINUED ON SHEET NO. 59

NOTES:

1. THE EXISTING CULVERTS ARE APPROXIMATE AS SHOWN AND WILL BE LOCATED PRIOR TO NEXT SUBMISSION.
2. CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 29

TRAFFIC SIGNAL CONDUIT

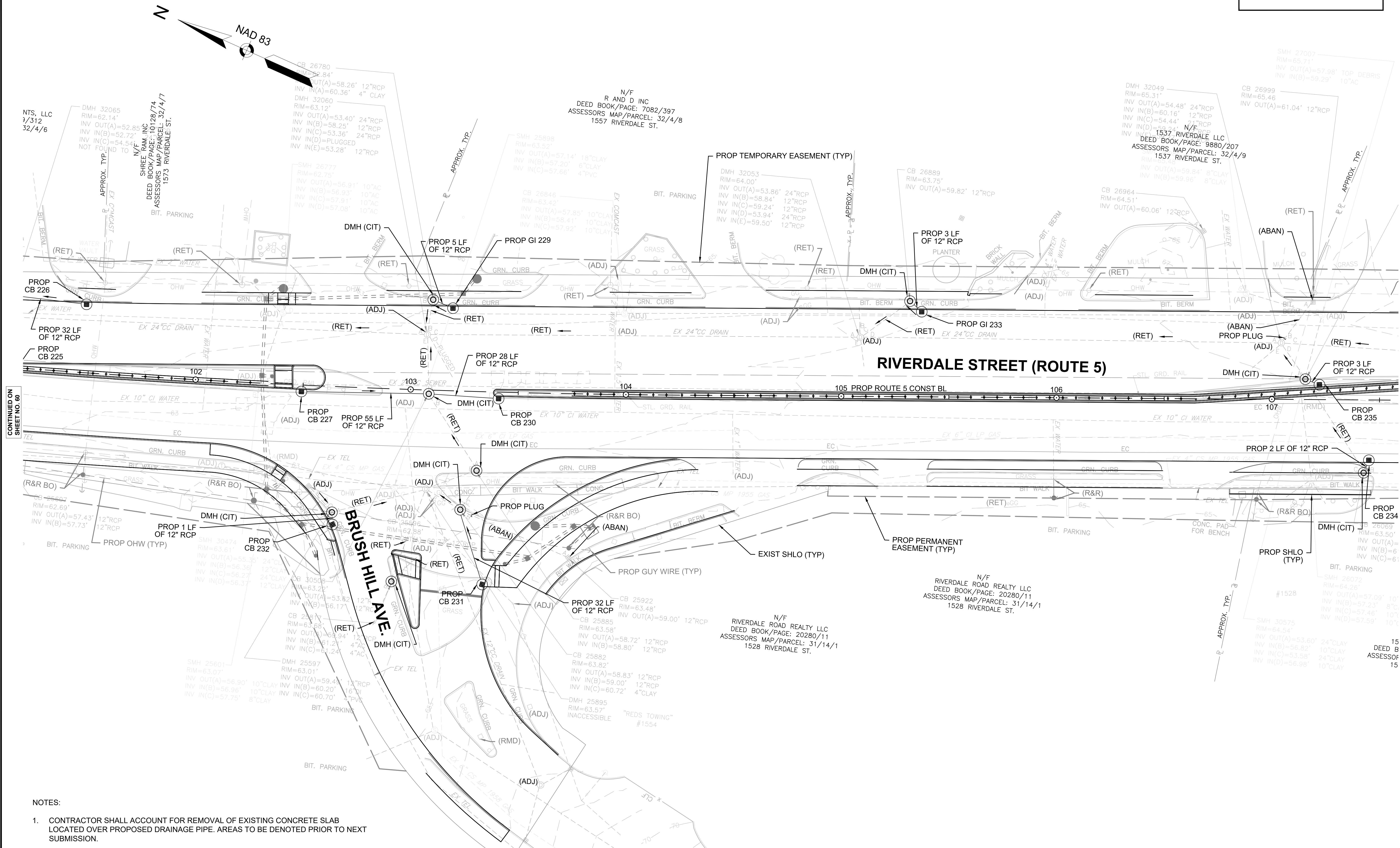
SEE PAGE 120

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW

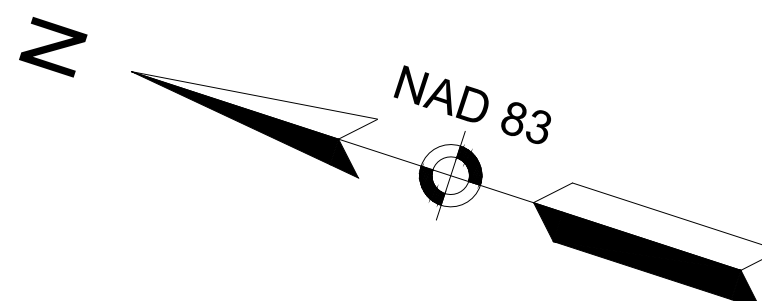


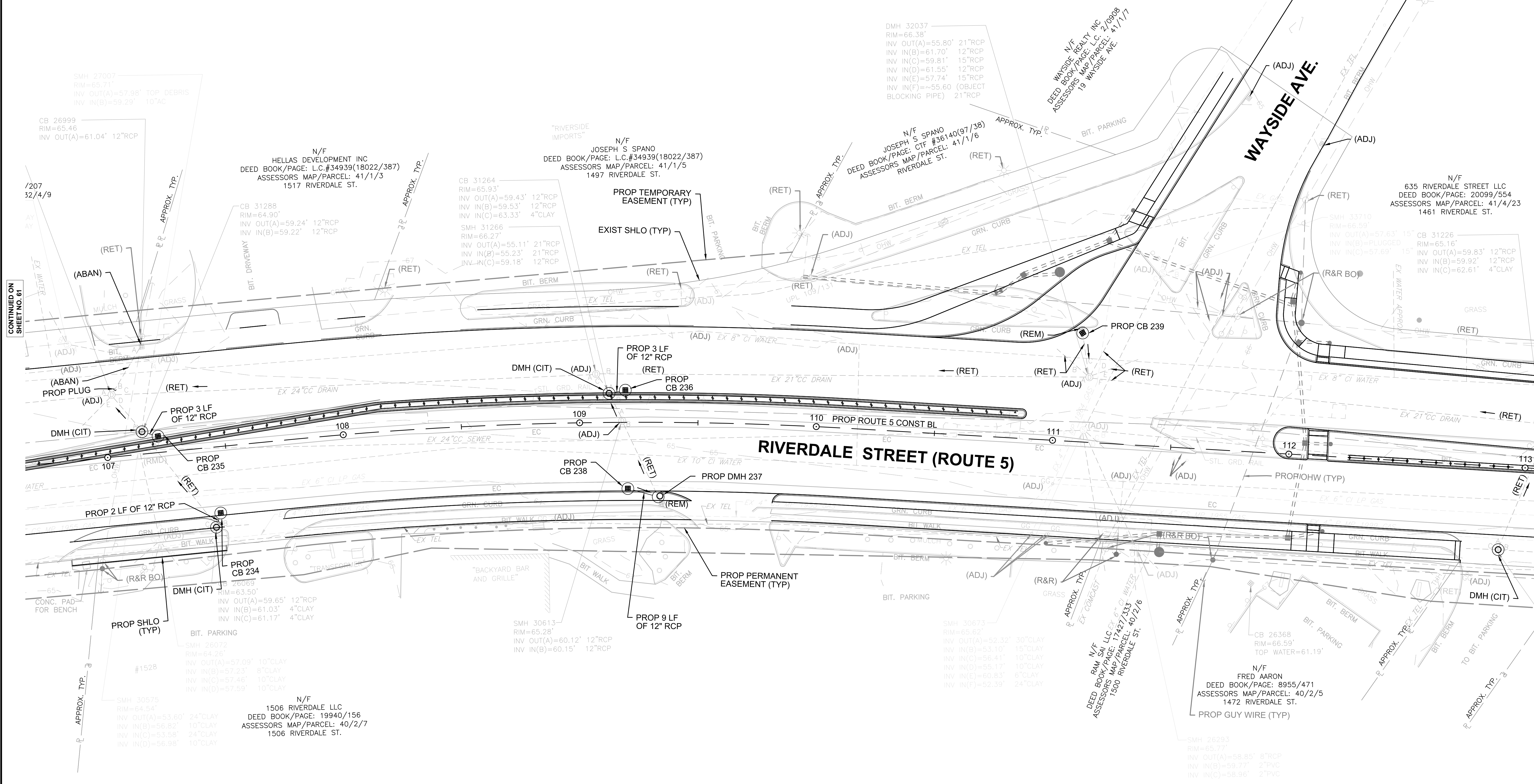
CONTINUED ON SHEET NO. 60

NOTES:

- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.







CONTINUED ON SHEET NO. 61



HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

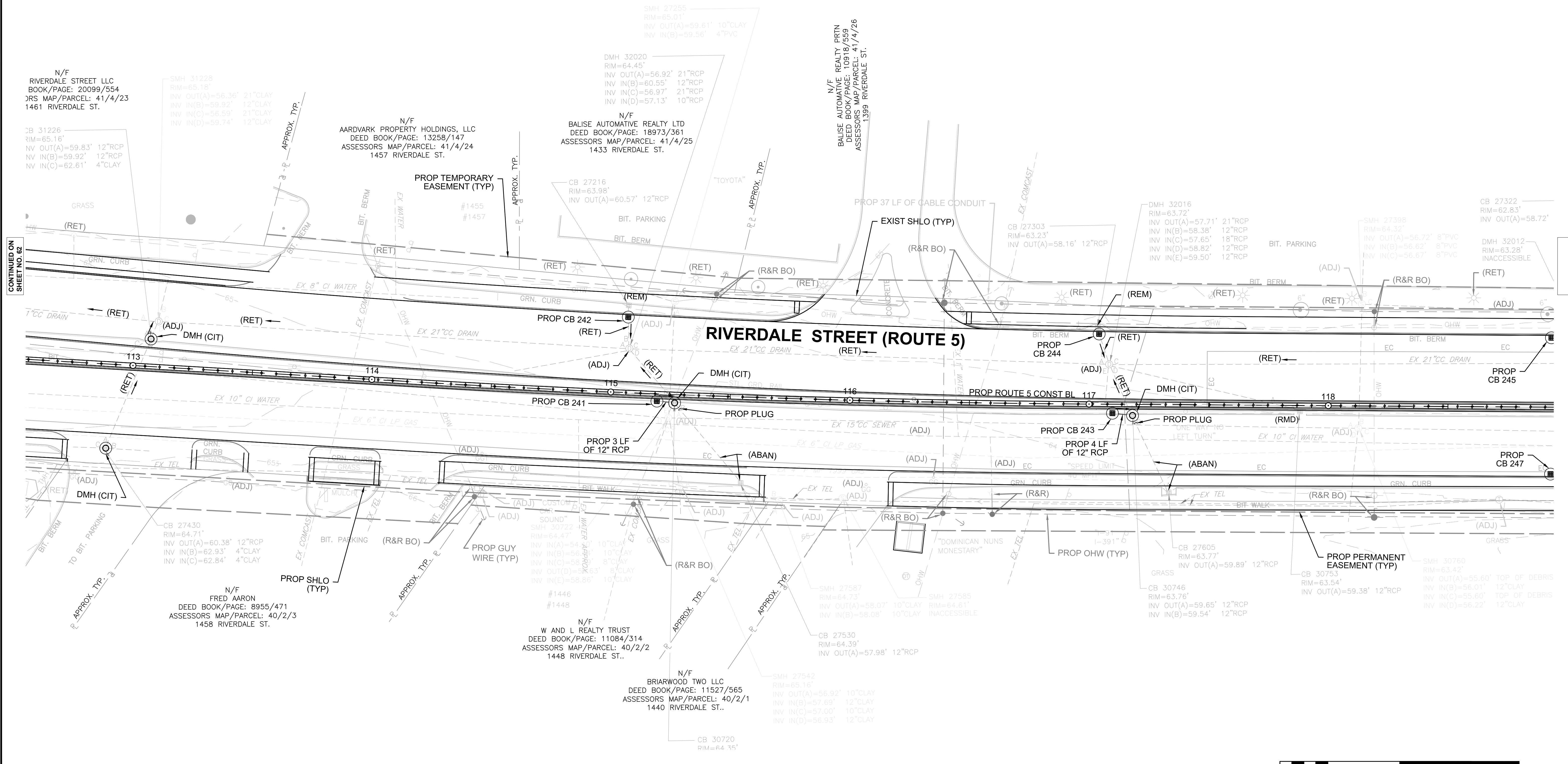
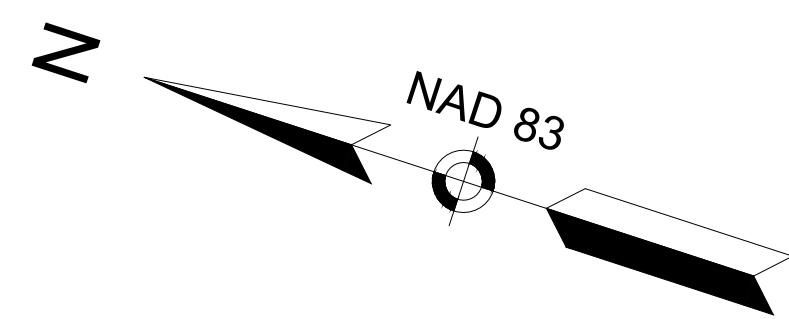
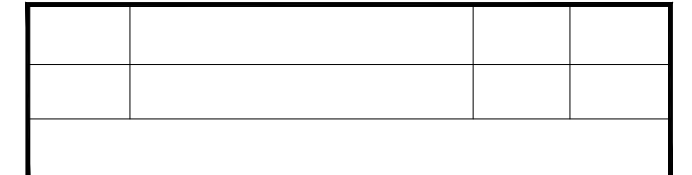
DRAINAGE DETAILS

SEE PAGE 31

SEE PAGE 122

SEE BELOW

SEE BELOW



CONTINUED ON SHEET NO. 62



HIGHWAY GUARD DETAILS

SEE PAGE 32

TRAFFIC SIGNAL CONDUIT

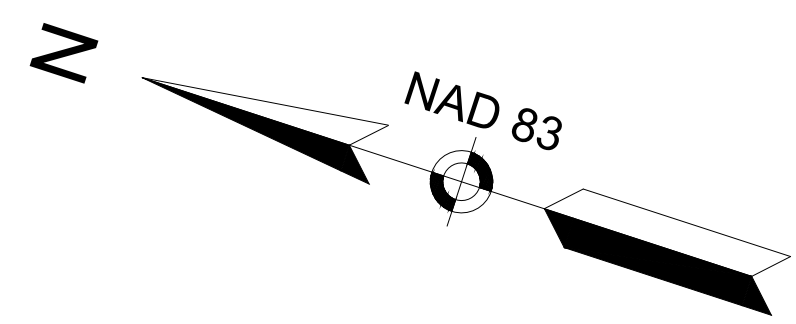
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

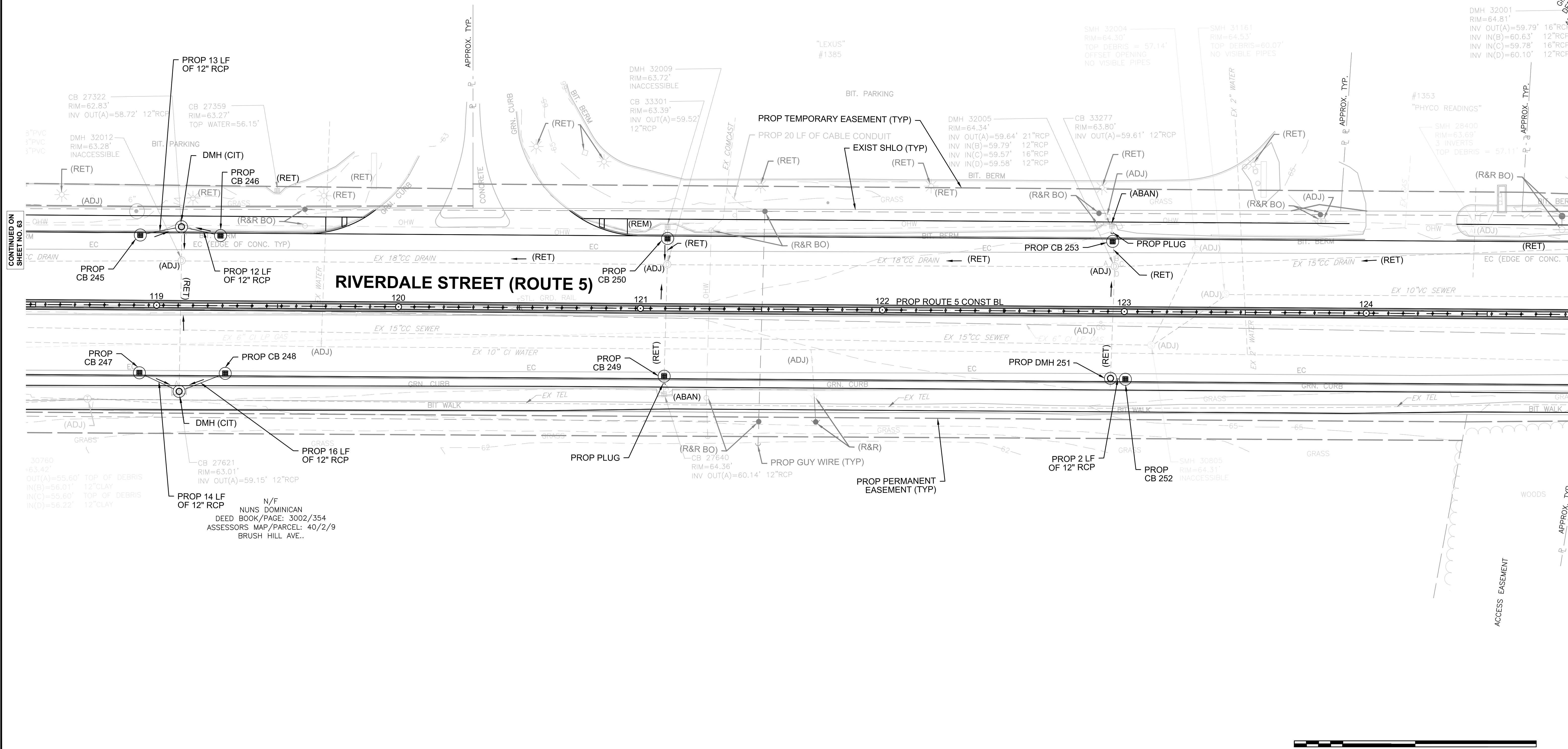
SEE BELOW



"TOYOTA"
#1399

N/F
BALISE AUTOMATIVE REALTY LMT
DEED BOOK/PAGE: 10529/410
ASSESSORS MAP/PARCEL: 41/4/28
1371 RIVERDALE ST.

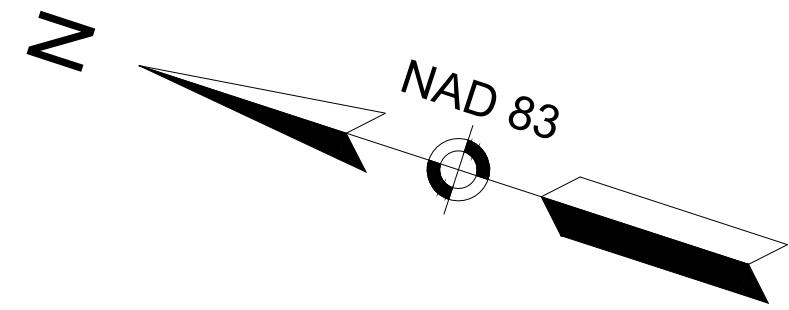
N/F
NORMA G MERCIER
DEED BOOK/PAGE: 4851/158
ASSESSORS MAP/PARCEL: 41/4/29
1353 RIVERDALE ST.



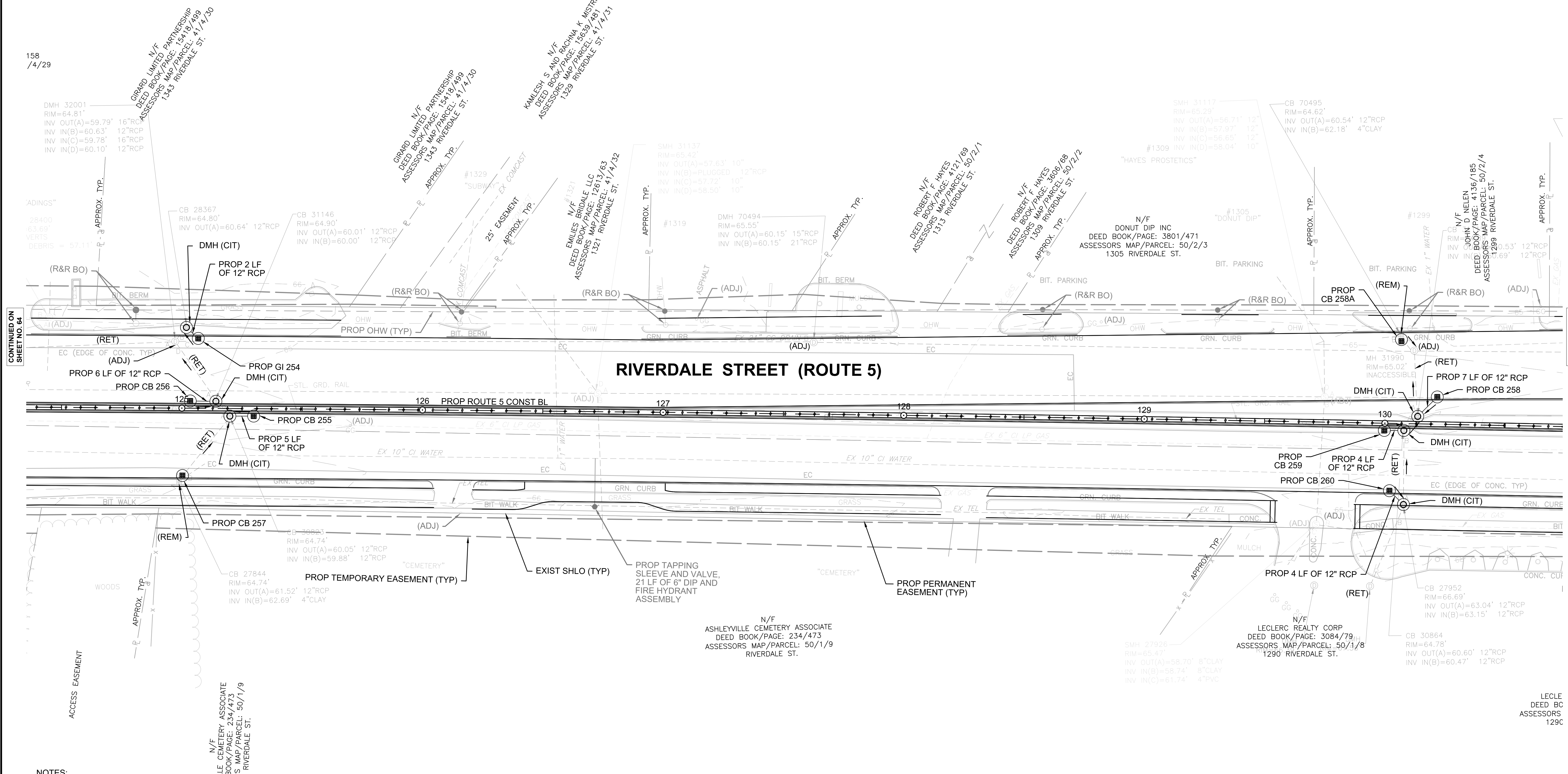
CONTINUED ON
SHEET NO. 63

ACCESS EASEMENT





158 / 4/29



CONTINUED ON SHEET NO. 64

NOTES:

- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.



LECLE DEED BC 129C

HIGHWAY GUARD DETAILS

SEE PAGE 34

TRAFFIC SIGNAL CONDUIT

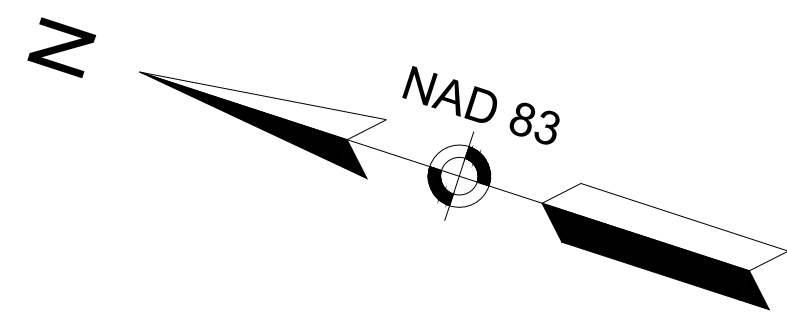
SEE SHEET 124

WATER SUPPLY ALTERATIONS

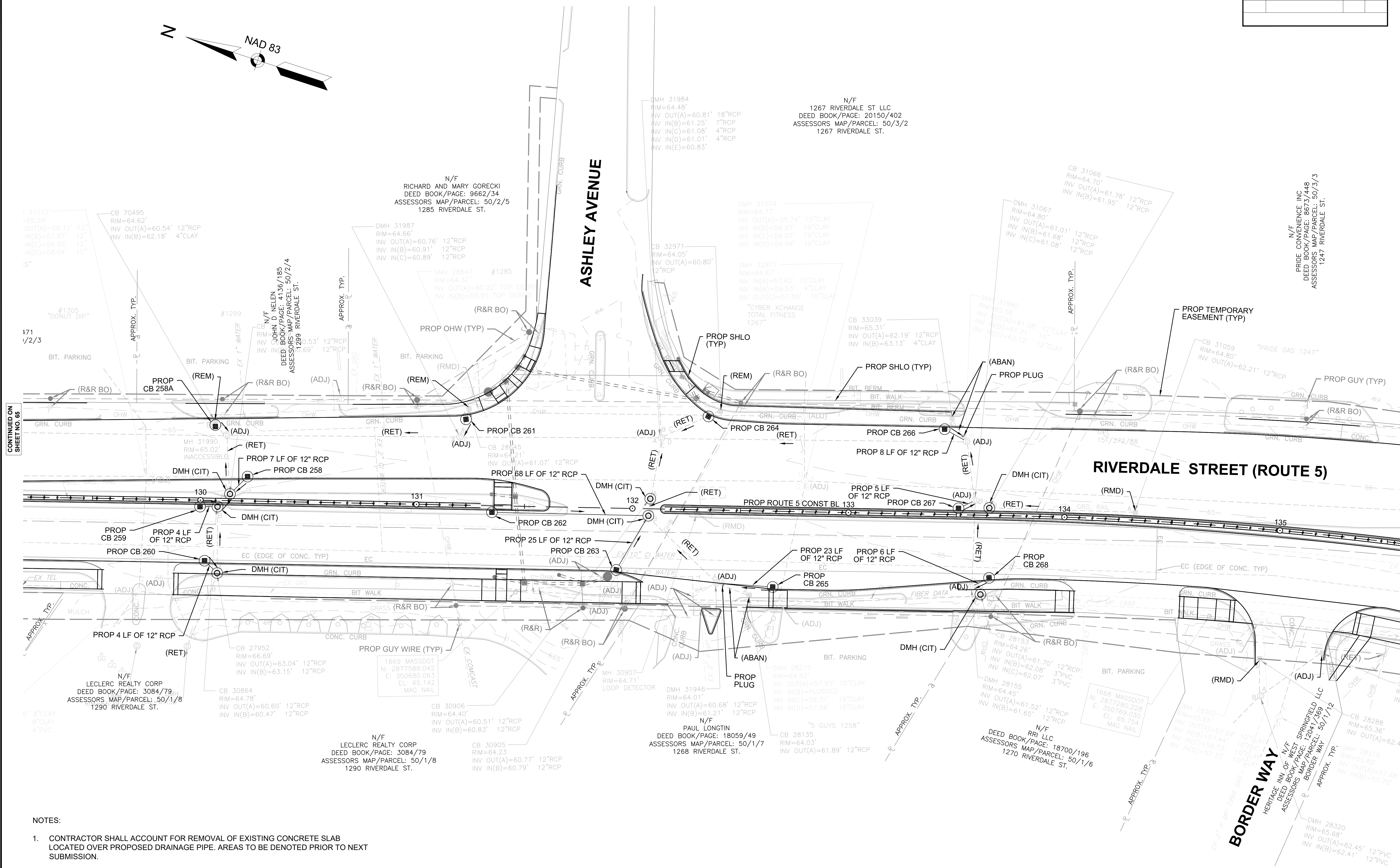
SEE BELOW

DRAINAGE DETAILS

SEE BELOW



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CONTINUED ON SHEET NO. 65

NOTES:

- CONTRACTOR SHALL ACCOUNT FOR REMOVAL OF EXISTING CONCRETE SLAB LOCATED OVER PROPOSED DRAINAGE PIPE. AREAS TO BE DENOTED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 35

TRAFFIC SIGNAL CONDUIT

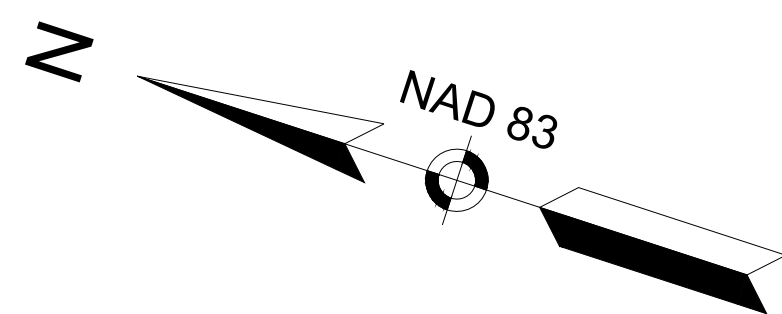
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WATER SUPPLY ALTERATIONS

SEE BELOW

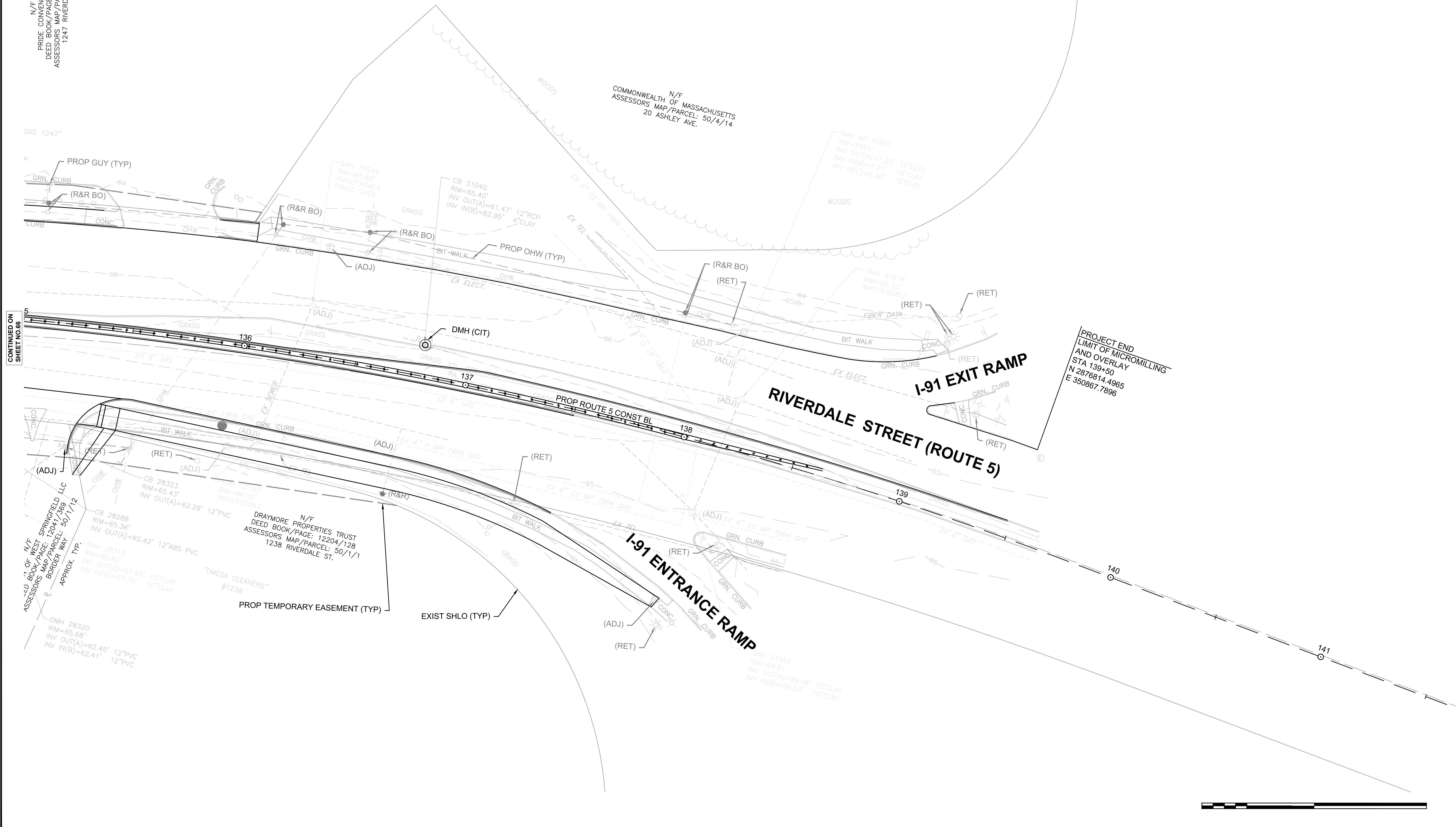
DRAINAGE DETAILS

SEE BELOW



N/F
PRIDE CONVENIENCE INC
DEED BOOK/PAGE: 8673/448
ASSESSORS MAP/PARCEL: 50/3/3
1247 RIVERDALE ST.

N/F
COMMONWEALTH OF MASSACHUSETTS
ASSESSORS MAP/PARCEL: 50/4/14
20 ASHLEY AVE.



CONTINUED ON
SHEET NO. 66

PROJECT END
LIMIT OF MICROMILLING
AND OVERLAY
STA 139+50
N 2876814.4965
E 350867.7896

N/F
WEST SPRINGFIELD LLC
DEED BOOK/PAGE: 1204/1369
ASSESSORS MAP/PARCEL: 50/1/12
BORDER WAY
APPROX. TYP.

N/F
DRAYMORE PROPERTIES TRUST
DEED BOOK/PAGE: 12204/128
ASSESSORS MAP/PARCEL: 50/1/1
1238 RIVERDALE ST.

"OMEGA CLEANERS"
#1238



HIGHWAY GUARD DETAILS

SEE PAGE 36

TRAFFIC SIGNAL CONDUIT

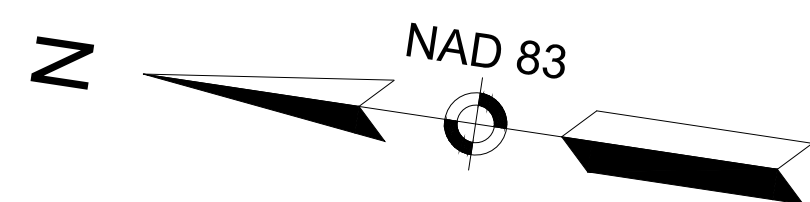
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



N/F
 BERTERA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 68/3/5
 847 RIVERDALE ST.

N/F
 TOWN OF WEST SPRINGFIELD
 ASSESSORS MAP/PARCEL: 68/3/6
 825 RIVERDALE ST.

N/F
 TOWN OF WEST SPRINGFIELD
 ASSESSORS MAP/PARCEL: 68/3/6
 825 RIVERDALE ST.

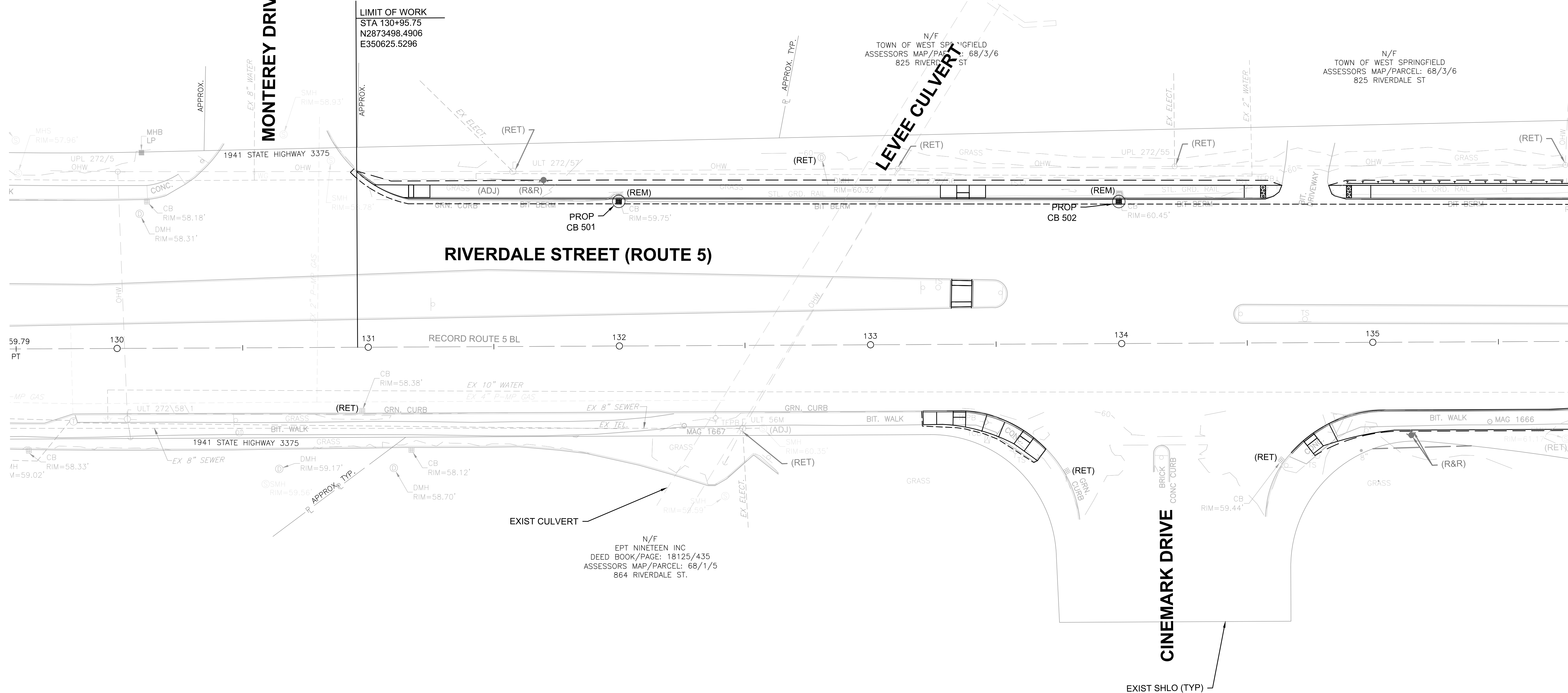
MONTEREY DRIVE

LIMIT OF WORK
 STA 130+95.75
 N2873498.4906
 E350625.5296

LEVEE CULVERT

CINEMARK DRIVE

RIVERDALE STREET (ROUTE 5)



NOTES:

1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
3. THE EXISTING CULVERTS ARE APPROXIMATE AS SHOWN AND WILL BE LOCATED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 37

TRAFFIC SIGNAL CONDUIT

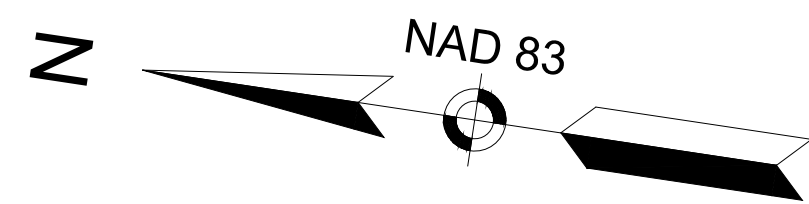
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



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N/F
 GEORGE A JR SMARZ
 DEED BOOK/PAGE: 17982/98
 ASSESSORS MAP/PARCEL: 68/3/7
 777 RIVERDALE ST

N/F
 TOWN OF WEST SPRINGFIELD
 DEED BOOK/PAGE: 8840/172
 ASSESSORS MAP/PARCEL: 68/3/8
 771 RIVERDALE ST

N/F
 PRIDE LIMITED PARTNERSHIP
 DEED BOOK/PAGE: 16797/354
 ASSESSORS MAP/PARCEL: 68/3/
 757 RIVERDALE ST

BAGG BROOK

1941 STATE HIGHWAY 3375

1941 STATE HIGHWAY 3375

RIVERDALE STREET (ROUTE 5)

RECORD ROUTE 5 BL

ELM STREET

1941 STATE HIGHWAY 3375

1941 STATE HIGHWAY 3375

N/F
 TOWN OF WEST SPRINGFIELD
 DEED BOOK/PAGE: 01988/7
 ASSESSORS MAP/PARCEL: 68/1/4
 DIKE AVE.

N/F
 SPRINGFIELD COUNTRY CLUB
 DEED BOOK/PAGE: 4566/0359
 ASSESSORS MAP/PARCEL: 67/3/5
 RIVERDALE ST

N/F
 JOHN HUANG AND VIET DO
 DEED BOOK/PAGE: 19731/89
 ASSESSORS MAP/PARCEL: 68/1/3
 764 RIVERDALE ST

N/F
 DESAI AND SONS INC
 DEED BOOK/PAGE: 8277/R
 ASSESSORS MAP/PARCEL: 1533/ELM

CONTINUED ON SHEET NO. 68

- NOTES:
1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
 2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
 3. THE EXISTING CULVERTS ARE APPROXIMATE AS SHOWN AND WILL BE LOCATED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 38

TRAFFIC SIGNAL CONDUIT

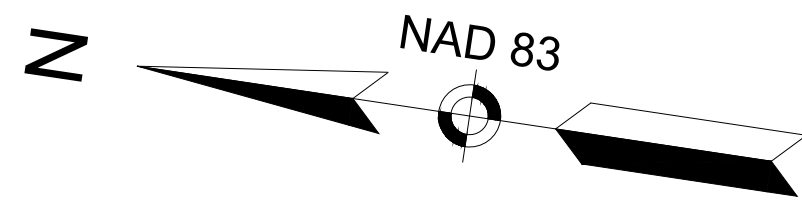
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW

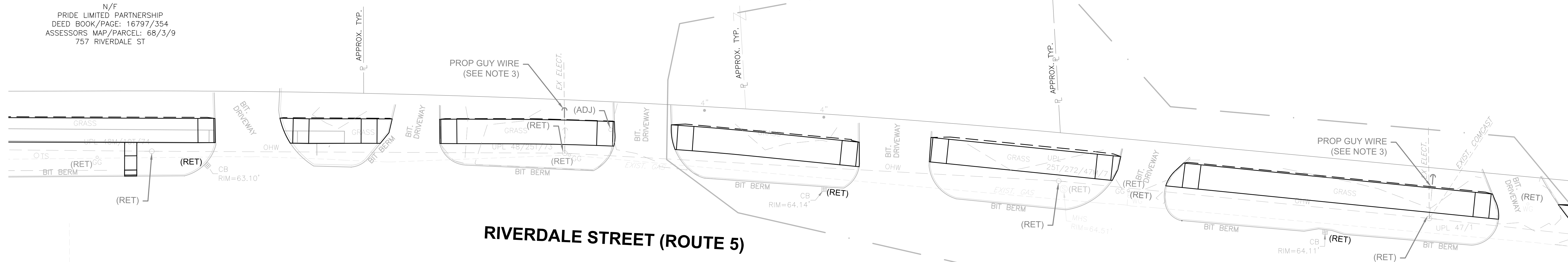


N/F
83 WORTHEN STREET INC
DEED BOOK/PAGE: 10350/552
ASSESSORS MAP/PARCEL: 68/3/10
657 RIVERDALE ST

N/F
83 WORTHEN STREET INC
DEED BOOK/PAGE: 10350/552
ASSESSORS MAP/PARCEL: 68/3/11
651 RIVERDALE ST

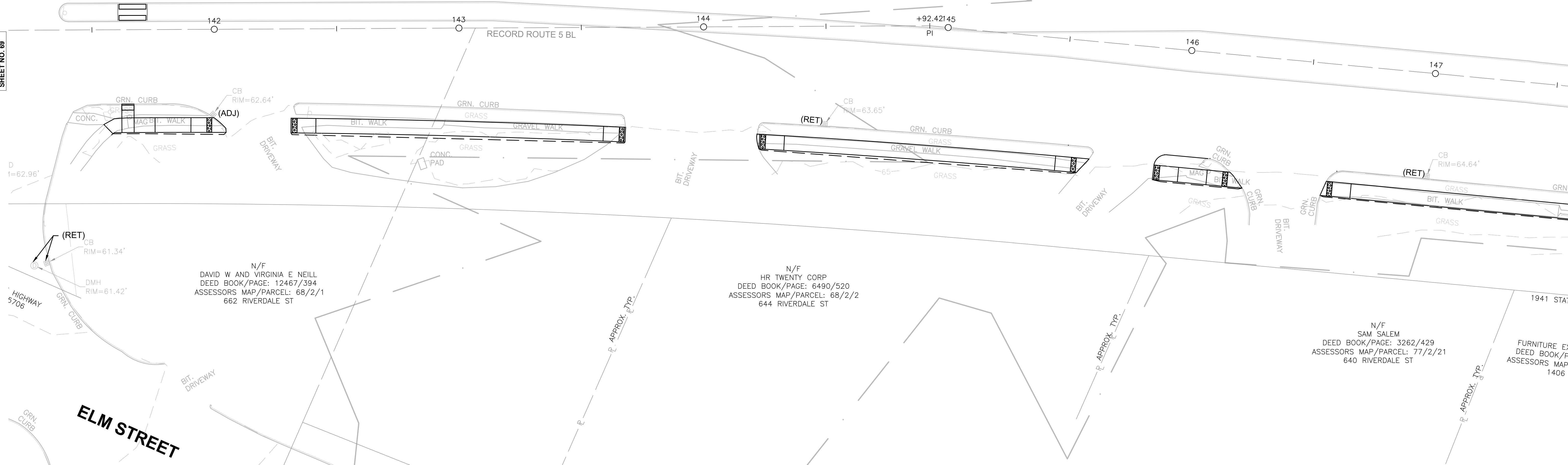
N/F
635 RIVERDALE STREET LLC
DEED BOOK/PAGE: 16165/348
ASSESSORS MAP/PARCEL: 77/3/1
635 RIVERDALE ST

N/F
PRIDE LIMITED PARTNERSHIP
DEED BOOK/PAGE: 16797/354
ASSESSORS MAP/PARCEL: 68/3/9
757 RIVERDALE ST



RIVERDALE STREET (ROUTE 5)

CONTINUED ON SHEET NO. 69



NOTES:

1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
3. GUY WIRE SHALL BE MODIFIED TO ALLOCATE ENOUGH CLEARANCE FOR THE SHARED USE PATH.



HIGHWAY GUARD DETAILS

SEE PAGE 39

TRAFFIC SIGNAL CONDUIT

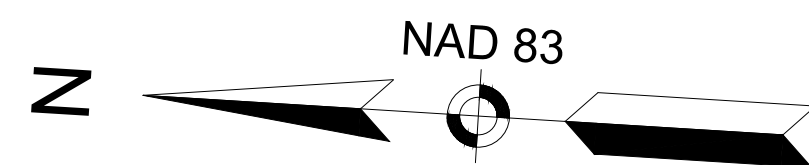
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

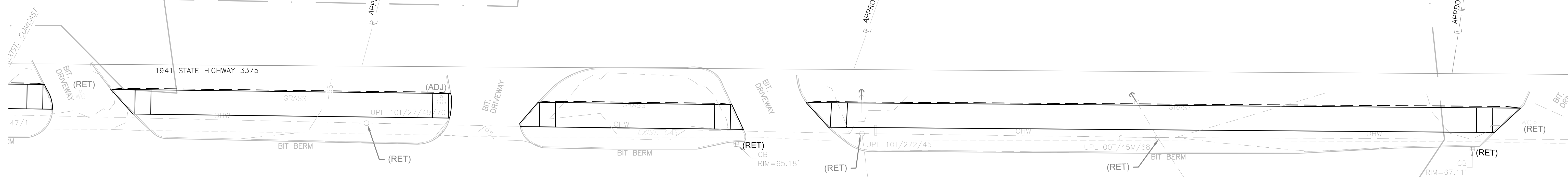
DRAINAGE DETAILS

SEE BELOW

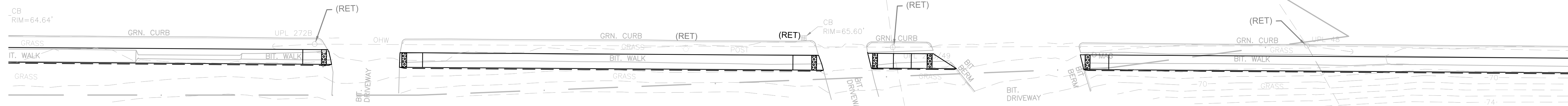


N/F
635 RIVERDALE STREET LLC
DEED BOOK/PAGE: 17308/276
ASSESSORS MAP/PARCEL: 77/3/2
605 RIVERDALE ST

N/F
635 RIVERDALE STREET LLC
DEED BOOK/PAGE: 19568/570
ASSESSORS MAP/PARCEL: 77/3/3
573 RIVERDALE ST



RIVERDALE STREET (ROUTE 5)



1941 STATE HIGHWAY 3375

N/F
FURNITURE EXECUTIVES 11 LP
DEED BOOK/PAGE: 10725/117
ASSESSORS MAP/PARCEL: 77/2/11
1406 ELM ST

N/F
FURNITURE EXECUTIVES 11 LP
DEED BOOK/PAGE: 16019/457
ASSESSORS MAP/PARCEL: 77/2/10
594 RIVERDALE ST

EXIST SHLO (TYP)

N/F
FURNITURE EXECUTIVES 11 LP
DEED BOOK/PAGE: 10725/117
ASSESSORS MAP/PARCEL: 77/2/9
572 RIVERDALE ST

N/F
OHM HOTELS LLC
DEED BOOK/PAGE: 15691/377
ASSESSORS MAP/PARCEL: 77/2/8
572 RIVERDALE ST

NOTES:

1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.



CONTINUED ON SHEET NO.70

HIGHWAY GUARD DETAILS

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TRAFFIC SIGNAL CONDUIT

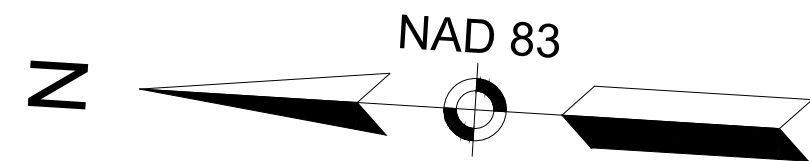
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



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N/F
 BERTERA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 77/3/4
 519 RIVERDALE ST

N/F
 BERTERA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 77/3/6
 499 RIVERDALE ST

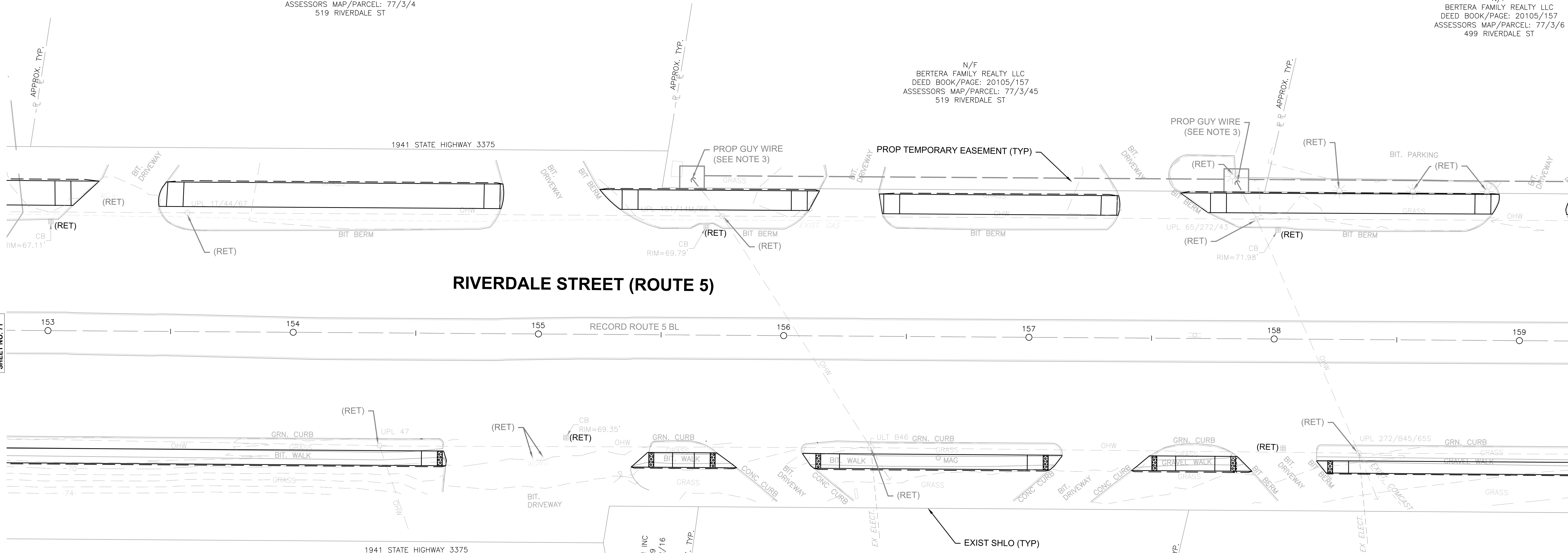
N/F
 BERTERA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 77/3/45
 519 RIVERDALE ST

N/F
 ELM EAST OFFICE CONDOMINIUM INC
 DEED BOOK/PAGE: 2490/189
 ASSESSORS MAP/PARCEL: 77/2/16
 1284 ELM ST

N/F
 BERTERA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 77/2/6
 526 RIVERDALE ST

N/F
 DOTY RIVER LLC
 DEED BOOK/PAGE: 19824/72
 ASSESSORS MAP/PARCEL: 77/2/5
 500 RIVERDALE ST

N/F
 NEALKANTH CORP
 DEED BOOK/PAGE: 17593/554
 ASSESSORS MAP/PARCEL: 77/2/7
 560 RIVERDALE ST



CONTINUED ON
 SHEET NO. 71

NOTES:

1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
3. GUY WIRE SHALL BE MODIFIED TO ALLOCATE ENOUGH CLEARANCE FOR THE SHARED USE PATH.



HIGHWAY GUARD DETAILS

SEE PAGE 41

TRAFFIC SIGNAL CONDUIT

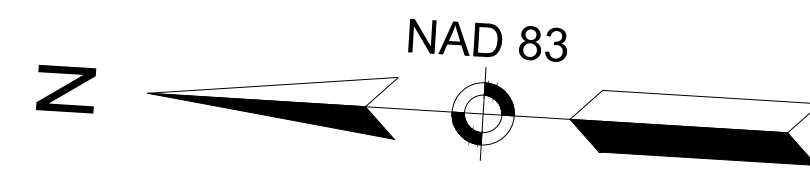
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW

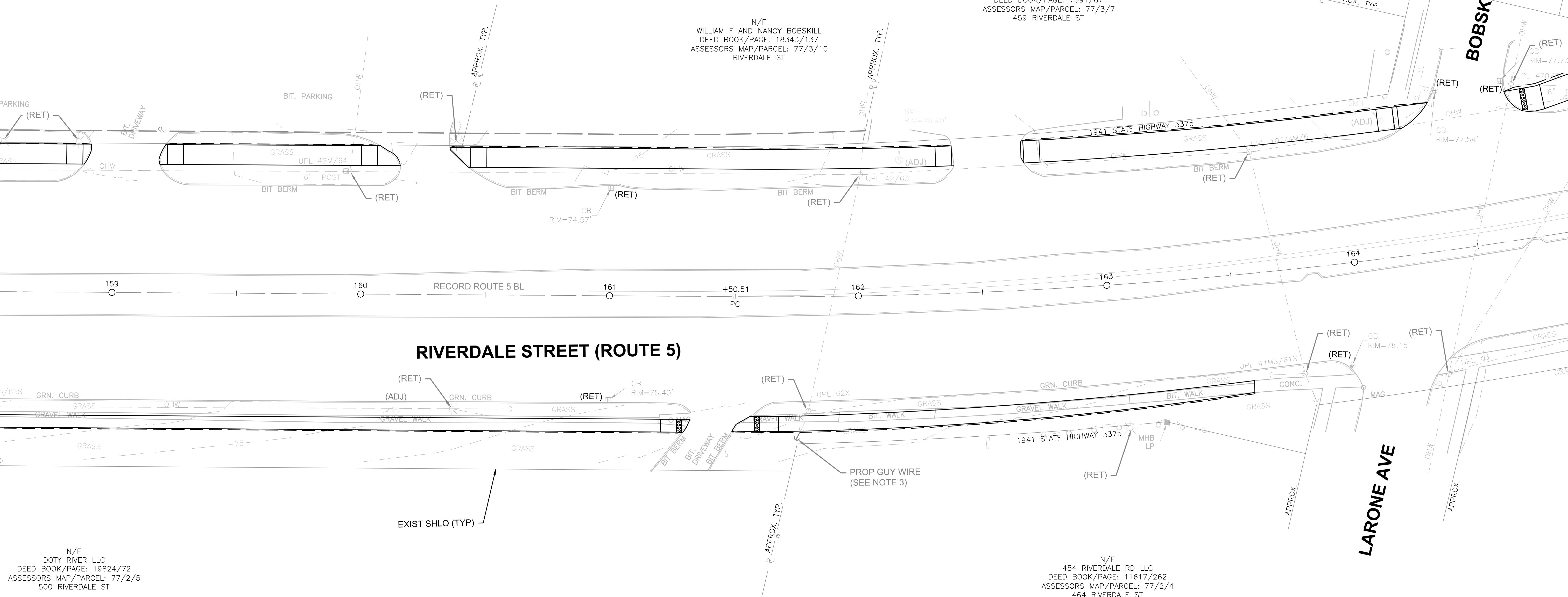


N/F
 BERTEA FAMILY REALTY LLC
 DEED BOOK/PAGE: 20105/157
 ASSESSORS MAP/PARCEL: 77/3/6
 499 RIVERDALE ST

N/F
 JOHN P. BARTOLUCCI
 DEED BOOK/PAGE: 7591/67
 ASSESSORS MAP/PARCEL: 77/3/7
 459 RIVERDALE ST

N/F
 WILLIAM F AND NANCY BOBSKILL
 DEED BOOK/PAGE: 18343/137
 ASSESSORS MAP/PARCEL: 77/3/10
 RIVERDALE ST

N/F
 454 RIVERDALE RD LLC
 DEED BOOK/PAGE: 11617/262
 ASSESSORS MAP/PARCEL: 77/2/4
 464 RIVERDALE ST



CONTINUED ON SHEET NO. 72

NOTES:

1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
3. GUY WIRE SHALL BE MODIFIED TO ALLOCATE ENOUGH CLEARANCE FOR THE SHARED USE PATH.



HIGHWAY GUARD DETAILS

SEE PAGE 42

TRAFFIC SIGNAL CONDUIT

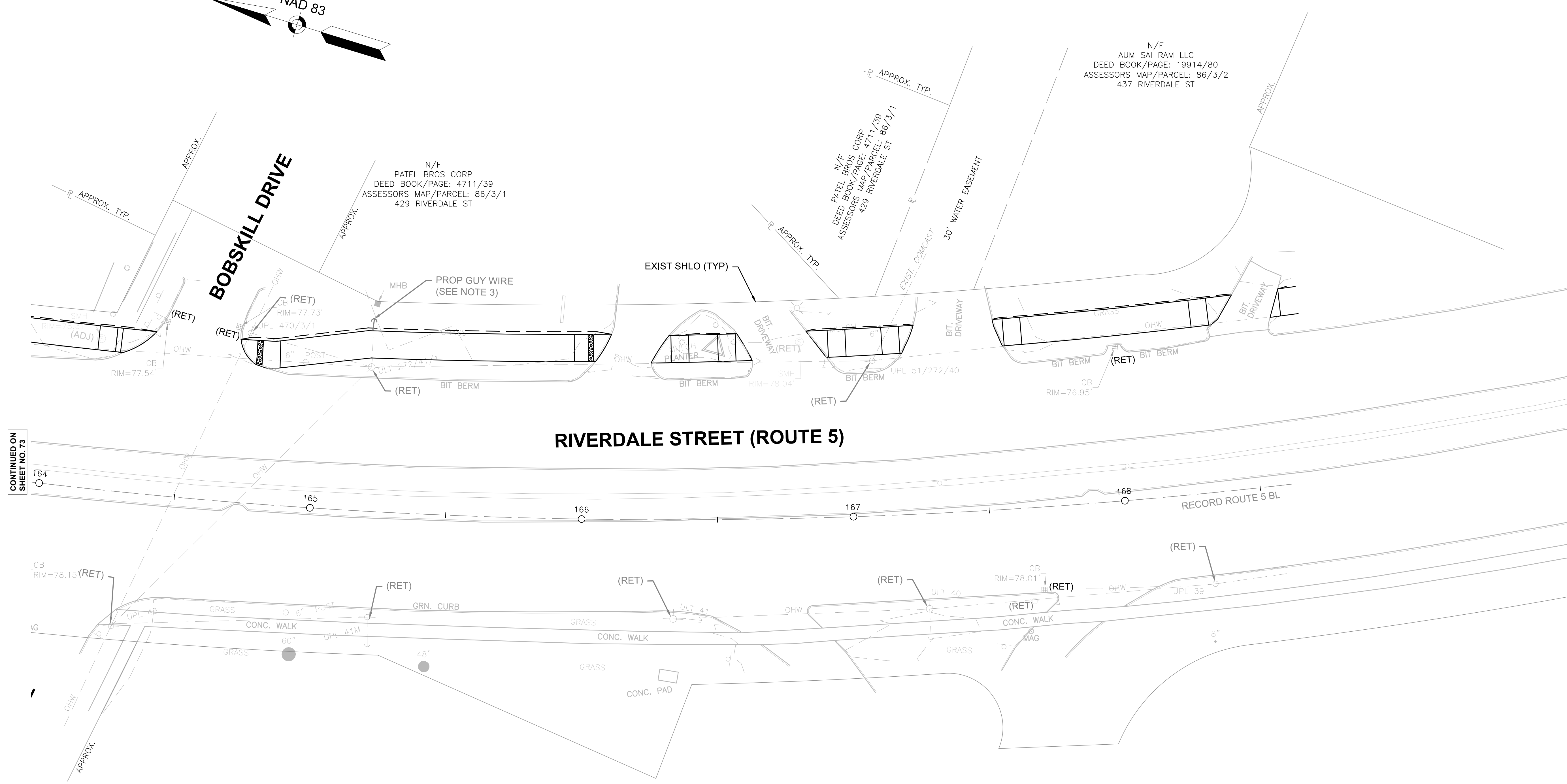
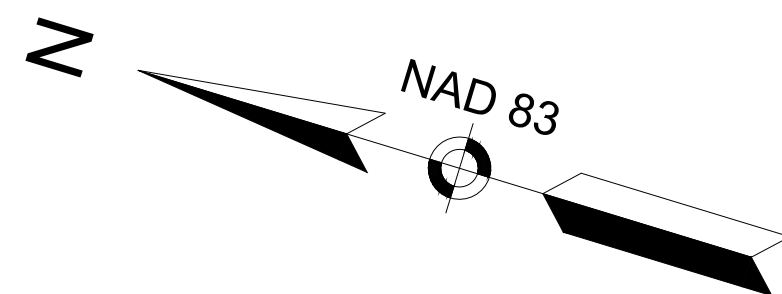
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



CONTINUED ON SHEET NO. 73

RIVERDALE STREET (ROUTE 5)

N/F
YGP LLC
DEED BOOK/PAGE: 17543/222
ASSESSORS MAP/PARCEL: 86/2/11
400 RIVERDALE ST

- NOTES:
1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
 2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
 3. GUY WIRE SHALL BE MODIFIED TO ALLOCATE ENOUGH CLEARANCE FOR THE SHARED USE PATH.

HIGHWAY GUARD DETAILS

SEE PAGE 43

TRAFFIC SIGNAL CONDUIT

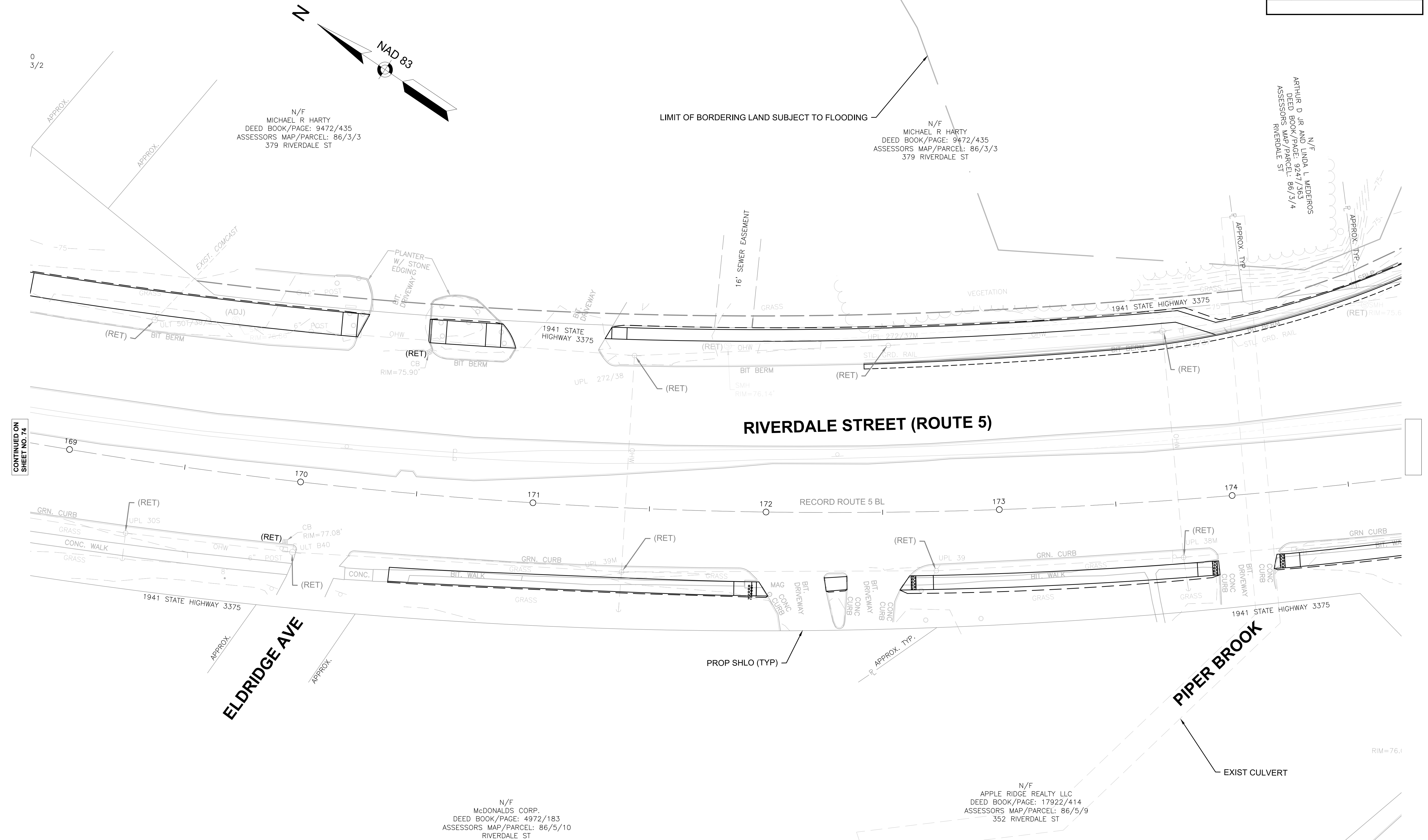
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW



CONTINUED ON SHEET NO. 74

- NOTES:
1. EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
 2. PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
 3. THE EXISTING CULVERTS ARE APPROXIMATE AS SHOWN AND WILL BE LOCATED PRIOR TO NEXT SUBMISSION.



HIGHWAY GUARD DETAILS

SEE PAGE 44

TRAFFIC SIGNAL CONDUIT

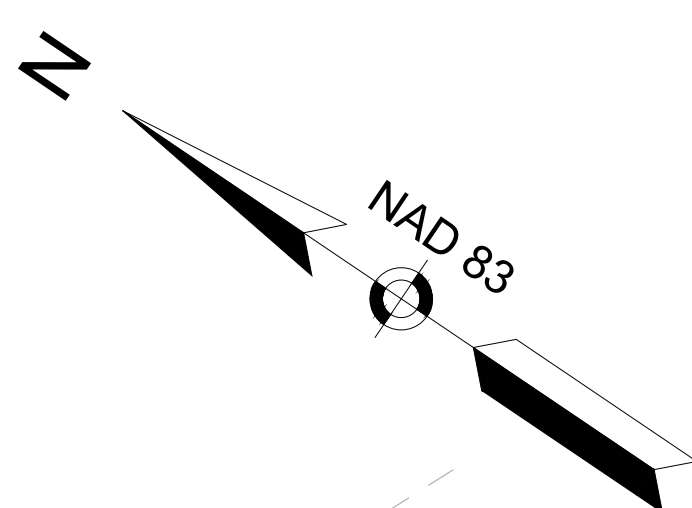
NONE

WATER SUPPLY ALTERATIONS

SEE BELOW

DRAINAGE DETAILS

SEE BELOW

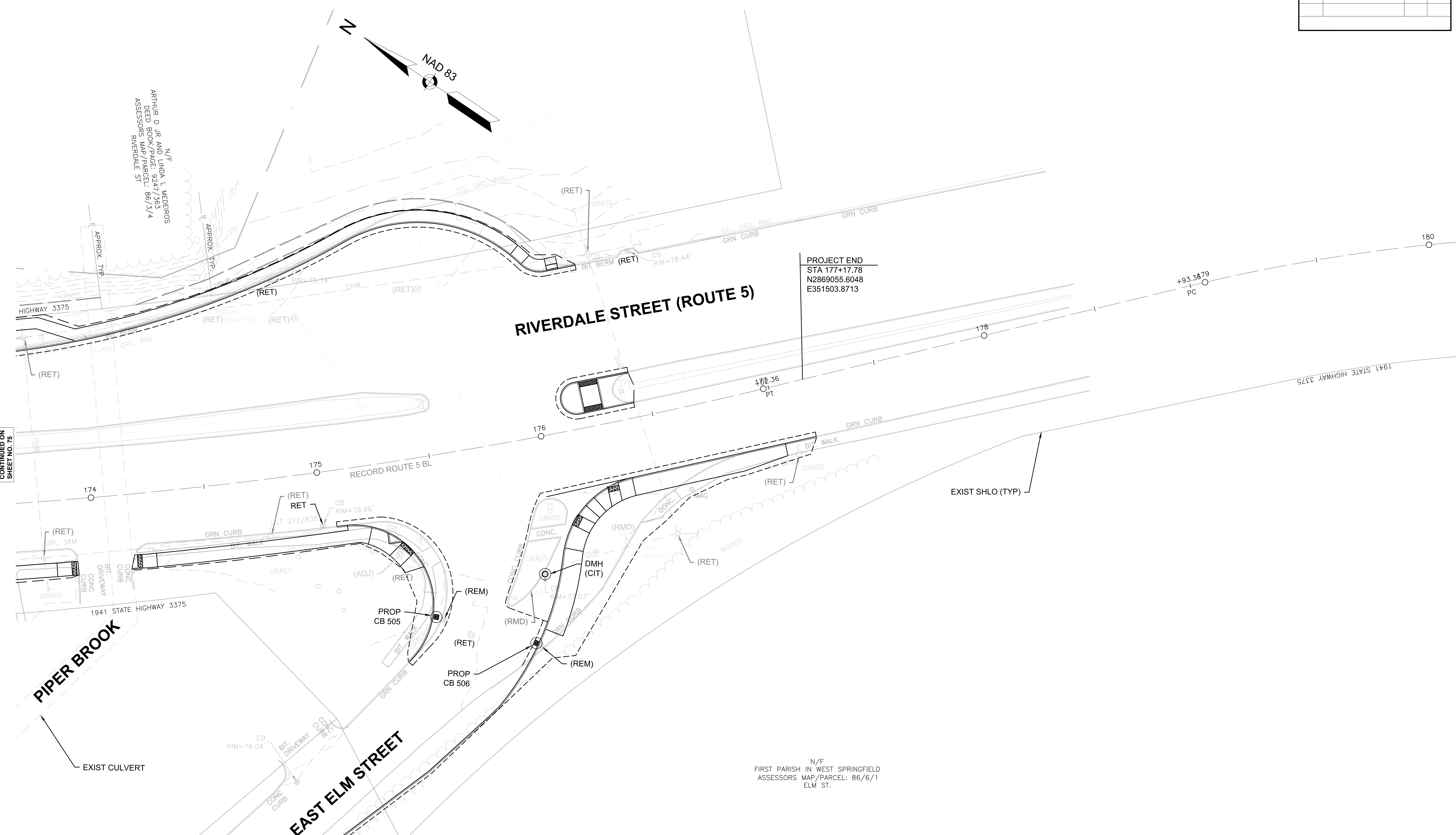


N/F
 ARTHUR D JR AND LINDA L MEDERROS
 DEED BOOK MAP/PAGE: 9247/363
 ASSESSORS MAP/PARCEL: 86/3/4
 RIVERDALE ST

PROJECT END
 STA 177+17.78
 N2869055.6048
 E351503.8713

RIVERDALE STREET (ROUTE 5)

CONTINUED ON SHEET NO. 75



PIPER BROOK

EAST ELM STREET

- NOTES:
- EXISTING UNDERGROUND UTILITY PIPE, CONDUITS AND INVERTS SHALL BE SHOWN FOR NEXT SUBMISSION.
 - PROPOSED DRAINAGE PIPE LOCATIONS SHALL BE DETERMINED AFTER THE EXISTING DRAINAGE SYSTEM HAS BEEN ESTABLISHED.
 - THE EXISTING CULVERTS ARE APPROXIMATE AS SHOWN AND WILL BE LOCATED PRIOR TO NEXT SUBMISSION.



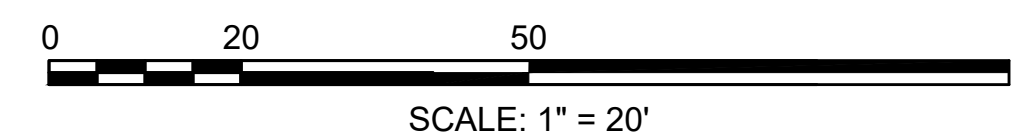
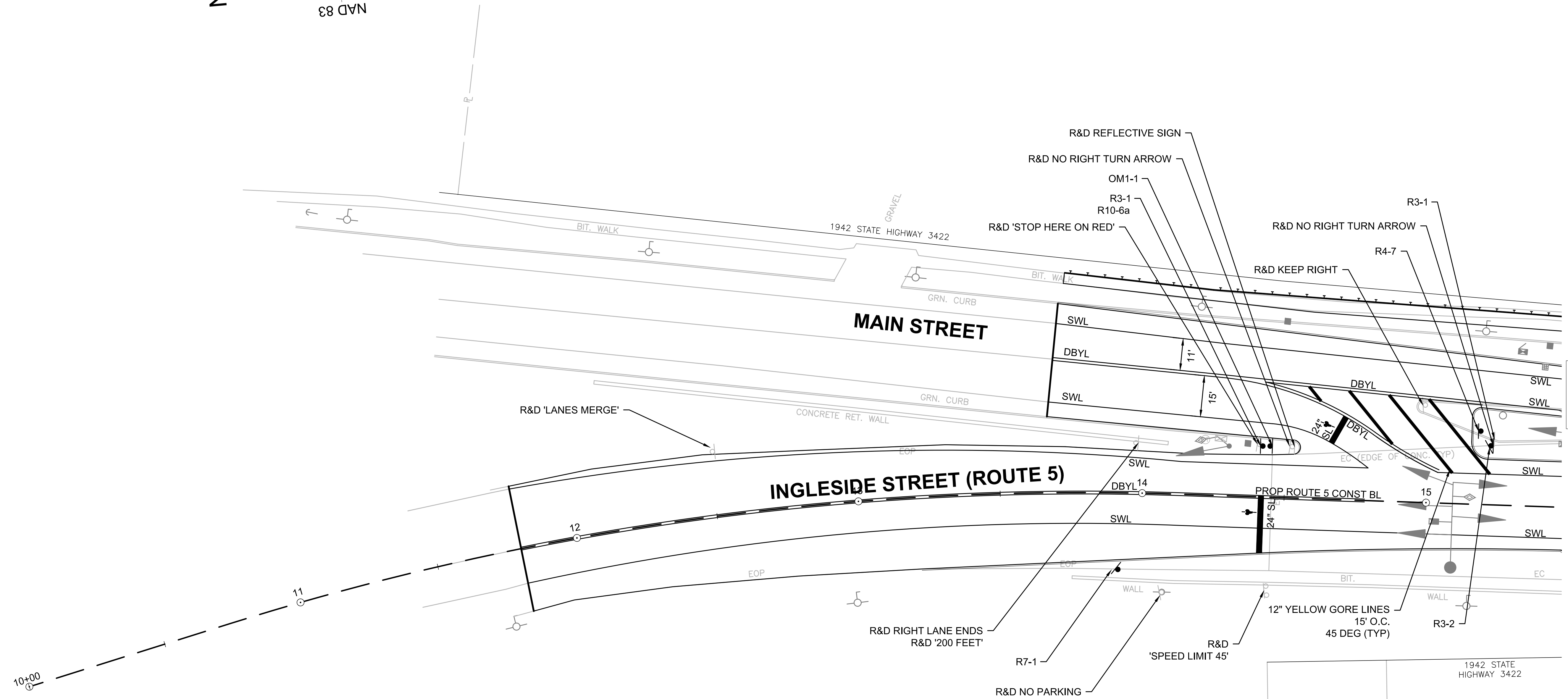
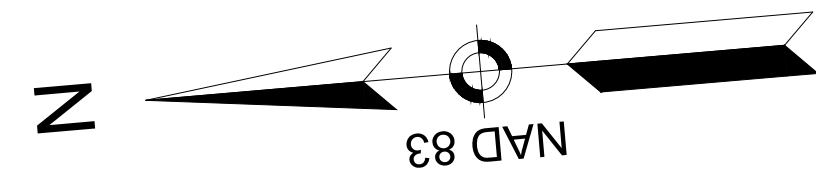
N/F
 FIRST PARISH IN WEST SPRINGFIELD
 ASSESSORS MAP/PARCEL: 86/6/1
 ELM ST.

CONSTRUCTION PLANS
SEE SHEET 13

DRAINAGE AND UTILITY PLANS
SEE SHEET 45

SIGN SUMMARY
SEE SHEET 109

TRAFFIC SIGNAL PLANS
SEE SHEET 112



CONSTRUCTION PLANS

SEE SHEET 14

DRAINAGE AND UTILITY PLANS

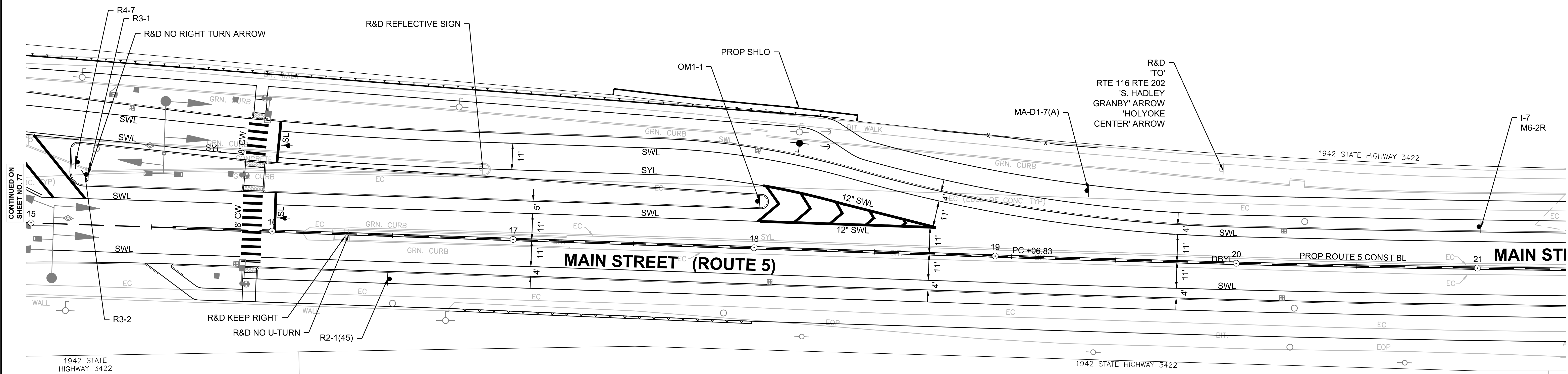
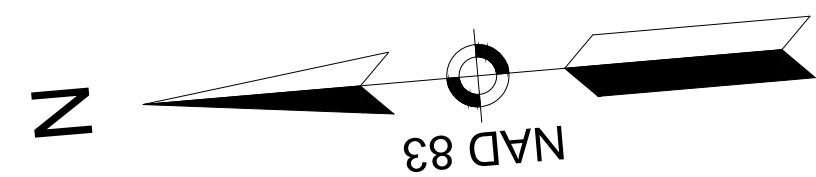
SEE SHEET 46

SIGN SUMMARY

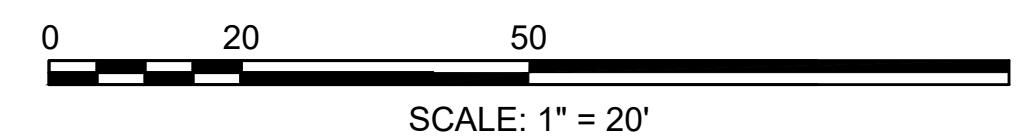
SEE SHEET 109

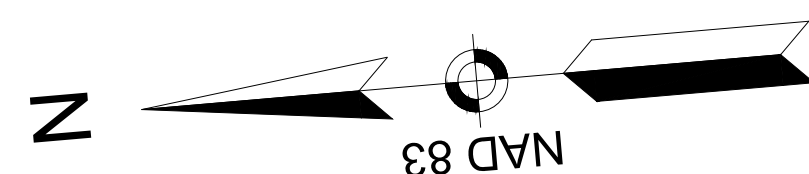
TRAFFIC SIGNAL PLANS

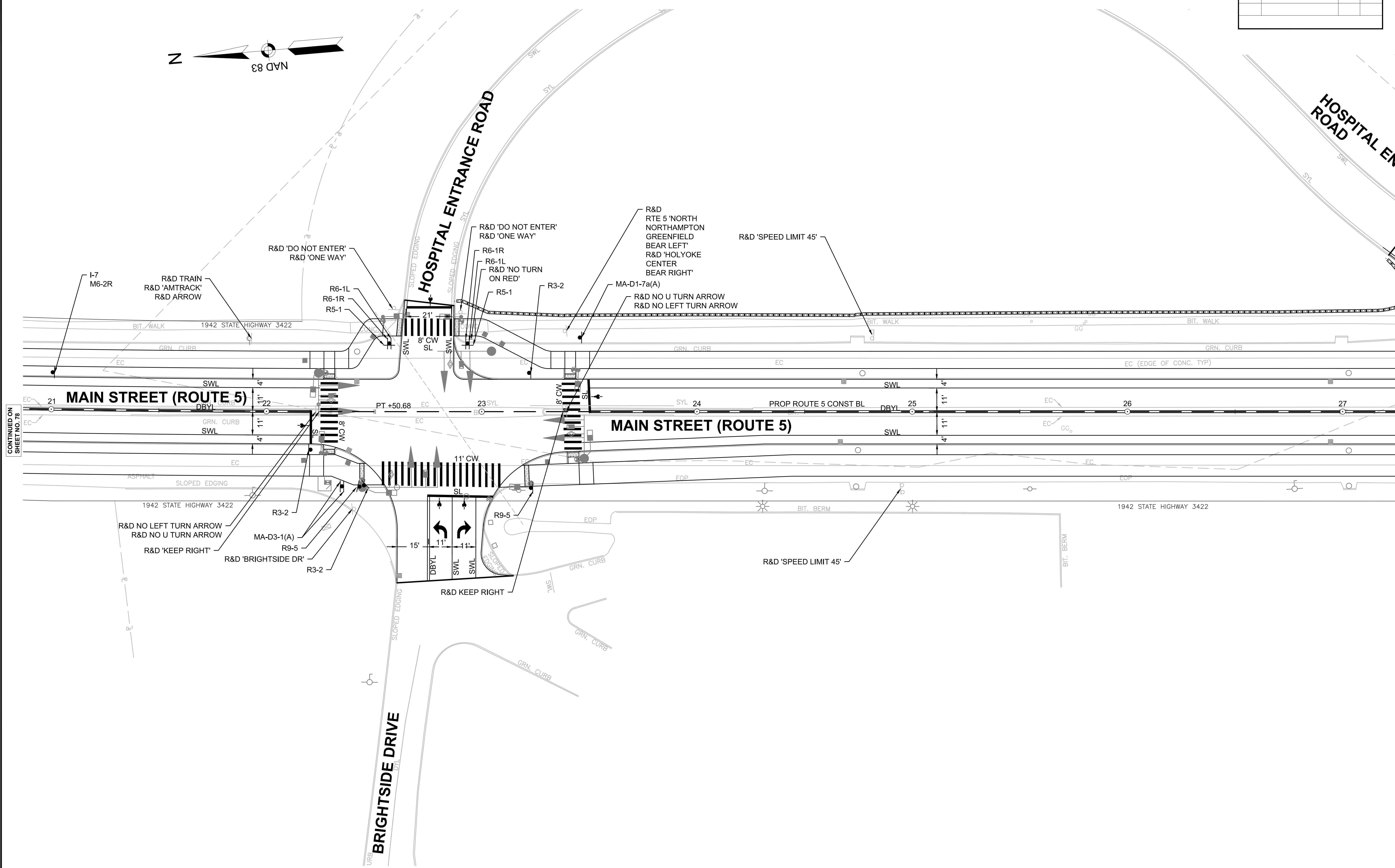
SEE SHEET 112



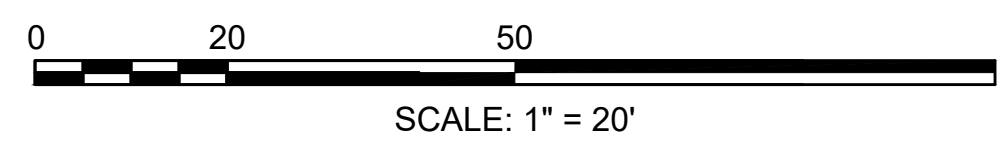
CONTINUED ON SHEET NO. 77

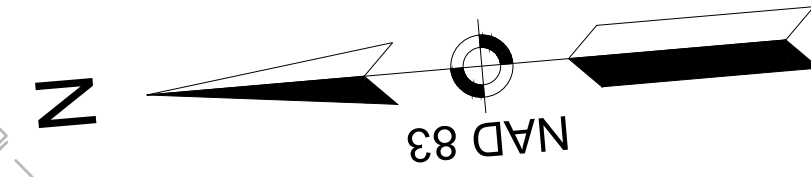




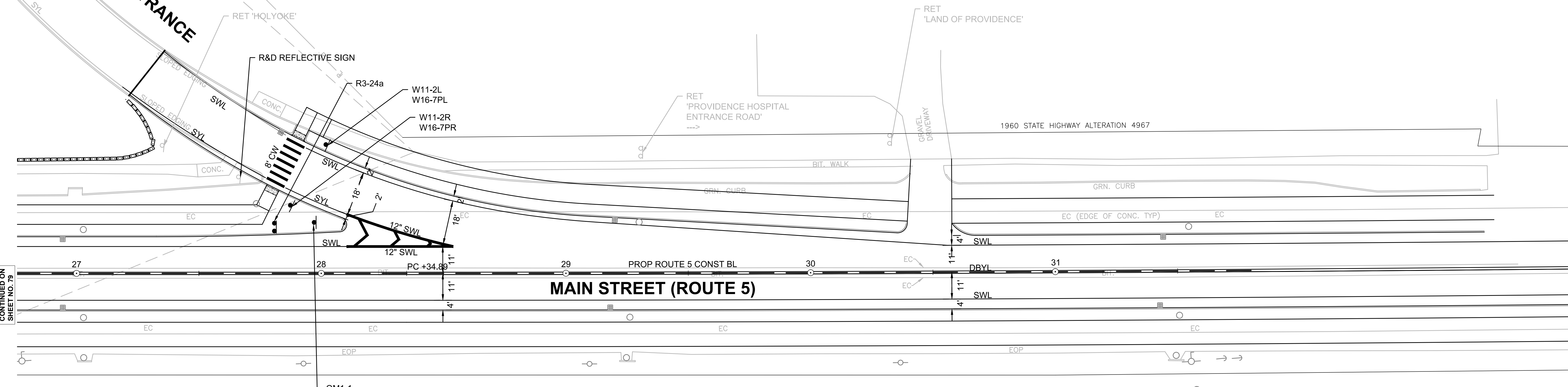


CONTINUED ON SHEET NO. 78



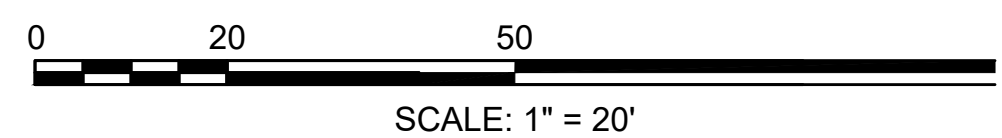


HOSPITAL ENTRANCE ROAD



CONTINUED ON SHEET NO. 79

RET 'I-90 Mass. Pike I-91 Holyoke Springfield EXIT 1/2 MILE'



SCALE: 1" = 20'

CONSTRUCTION PLANS

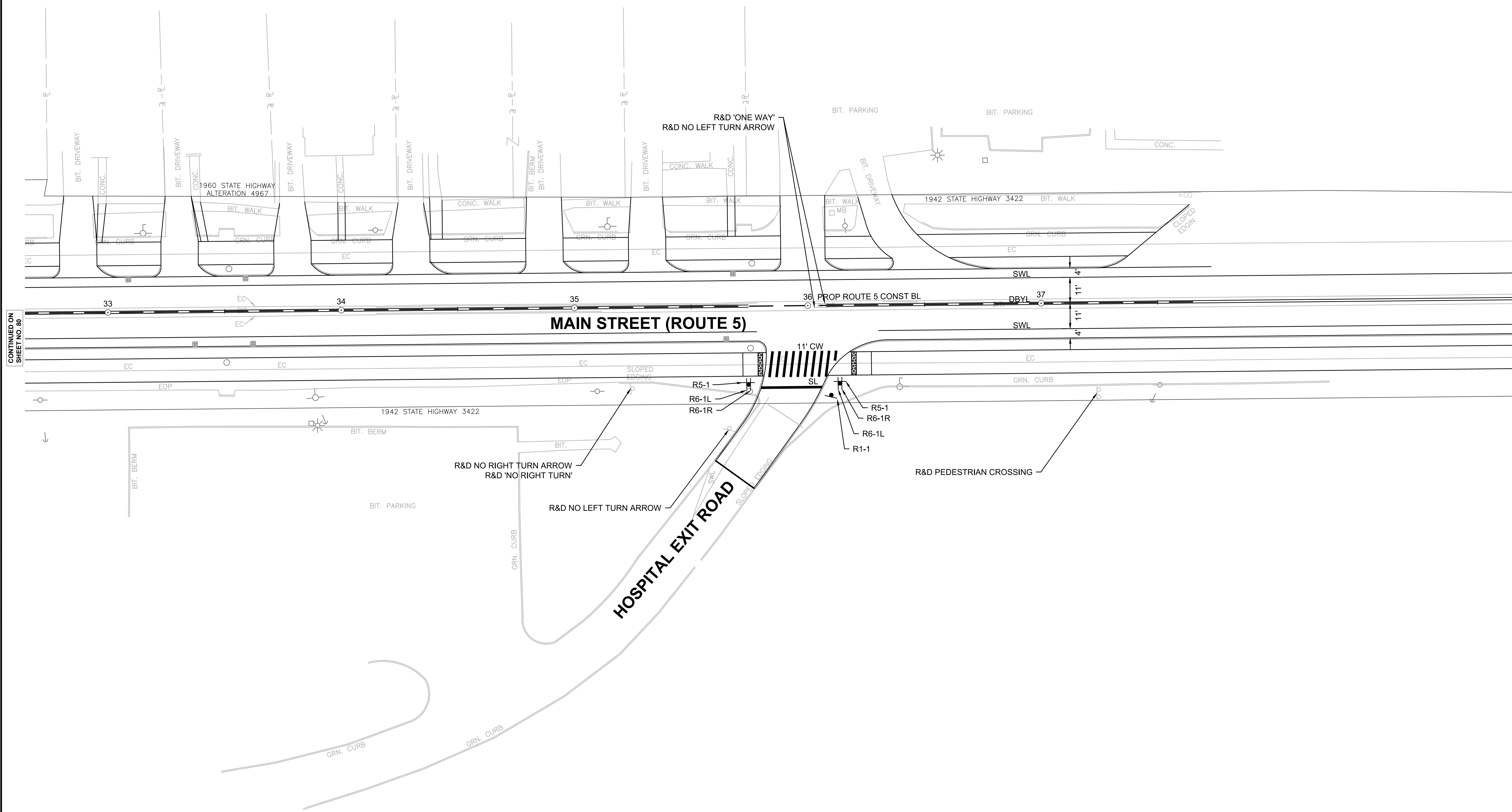
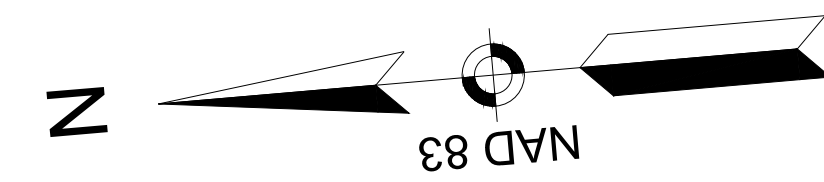
SEE SHEET 17

DRAINAGE AND UTILITY PLANS

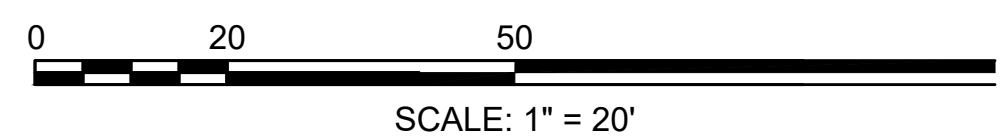
SEE SHEET 49

SIGN SUMMARY

SEE SHEET 109



CONTINUED ON SHEET NO. 80



SCALE: 1" = 20'

CONSTRUCTION PLANS

SEE SHEET 18

DRAINAGE AND UTILITY PLANS

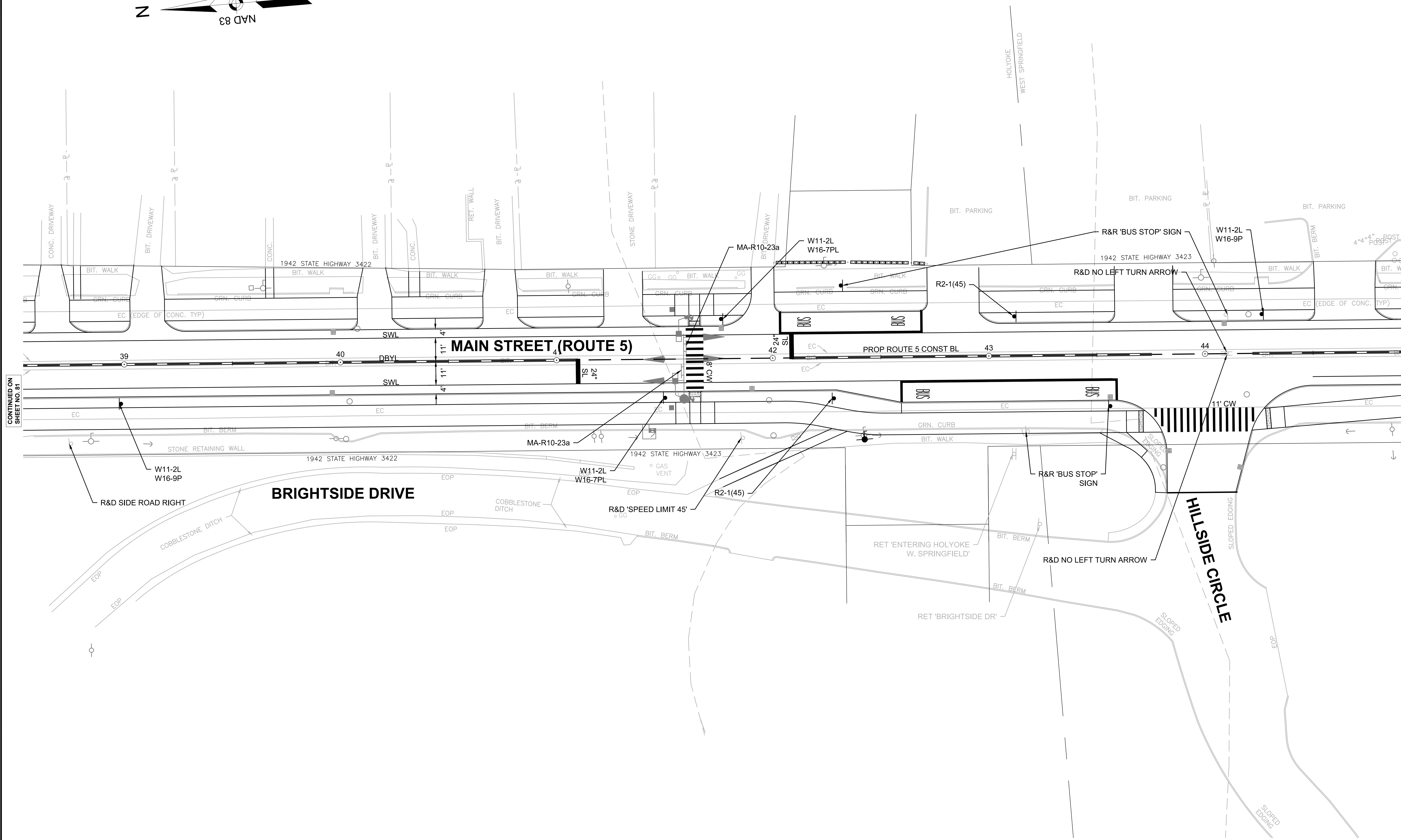
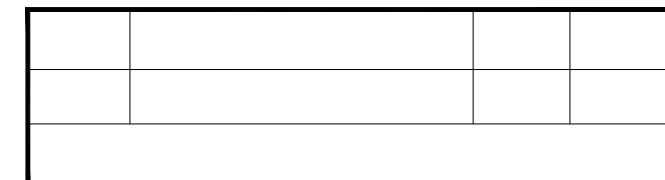
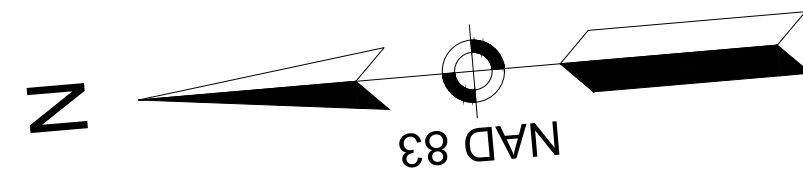
SEE SHEET 50

SIGN SUMMARY

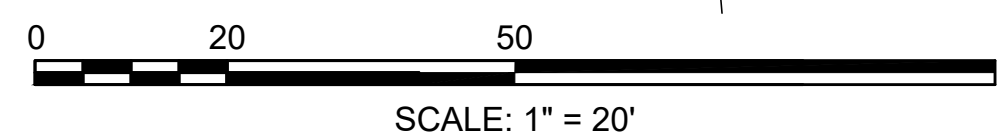
SEE SHEET 109

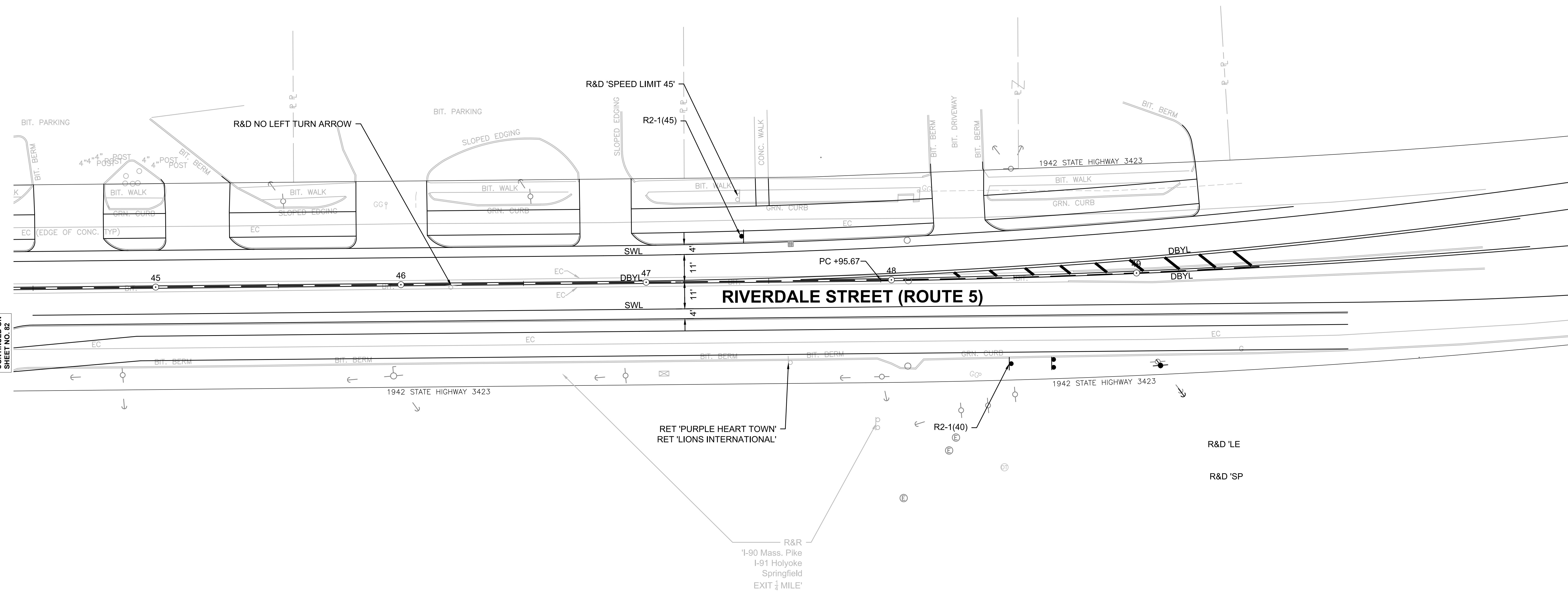
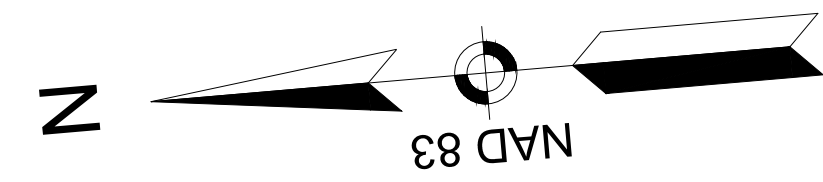
TRAFFIC SIGNAL PLANS

SEE SHEET 116

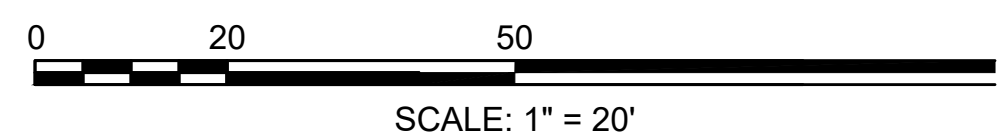


CONTINUED ON SHEET NO. 81





CONTINUED ON SHEET NO. 82



SCALE: 1" = 20'

CONSTRUCTION PLANS

SEE SHEET 20

DRAINAGE AND UTILITY PLANS

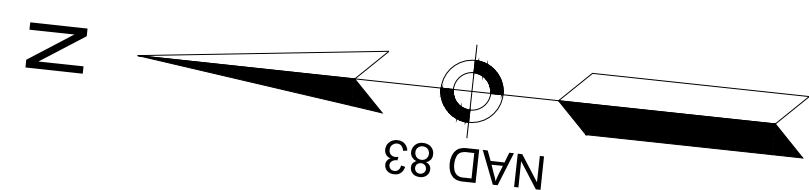
SEE SHEET 52

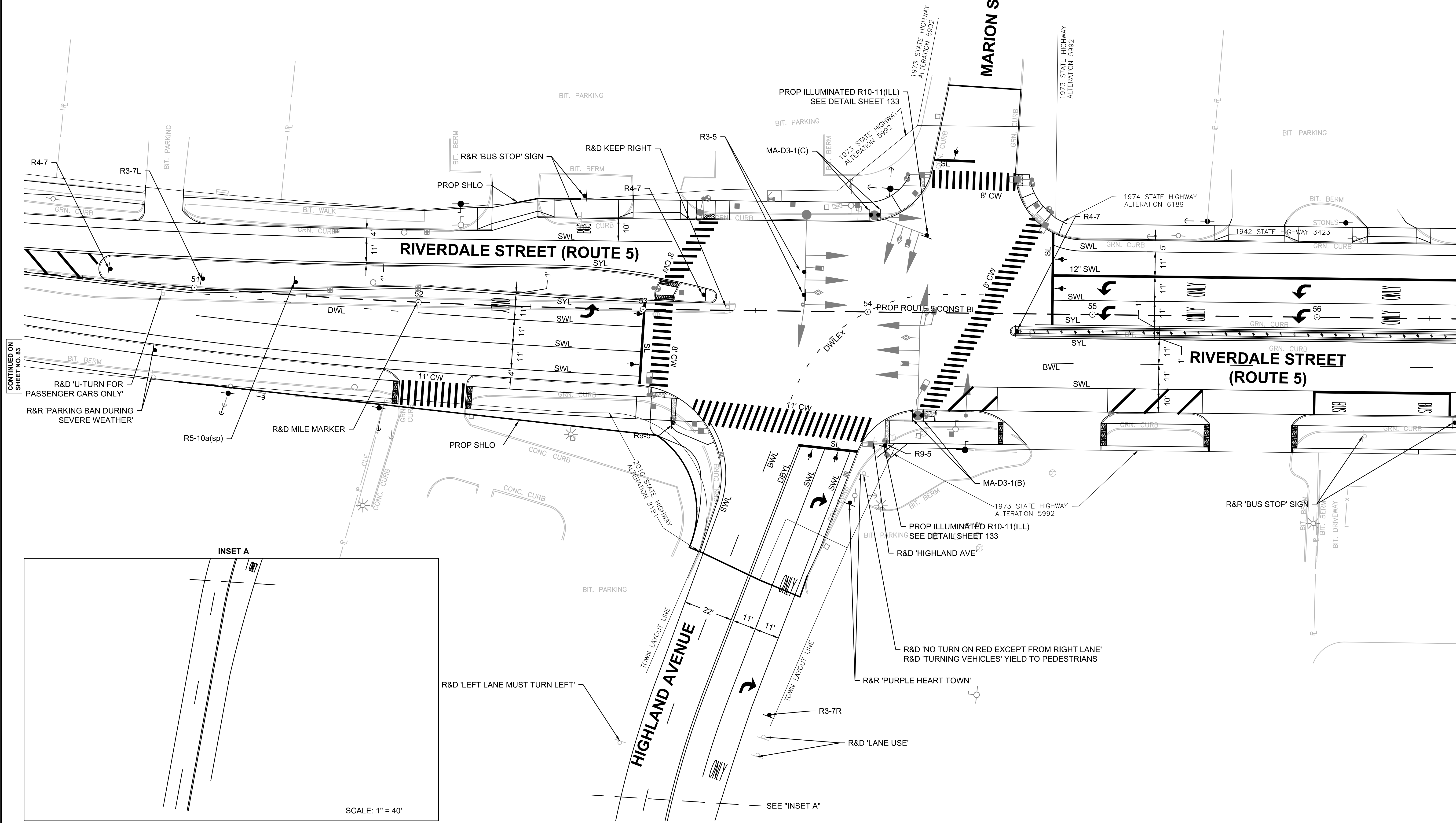
SIGN SUMMARY

SEE SHEET 109

TRAFFIC SIGNAL PLANS

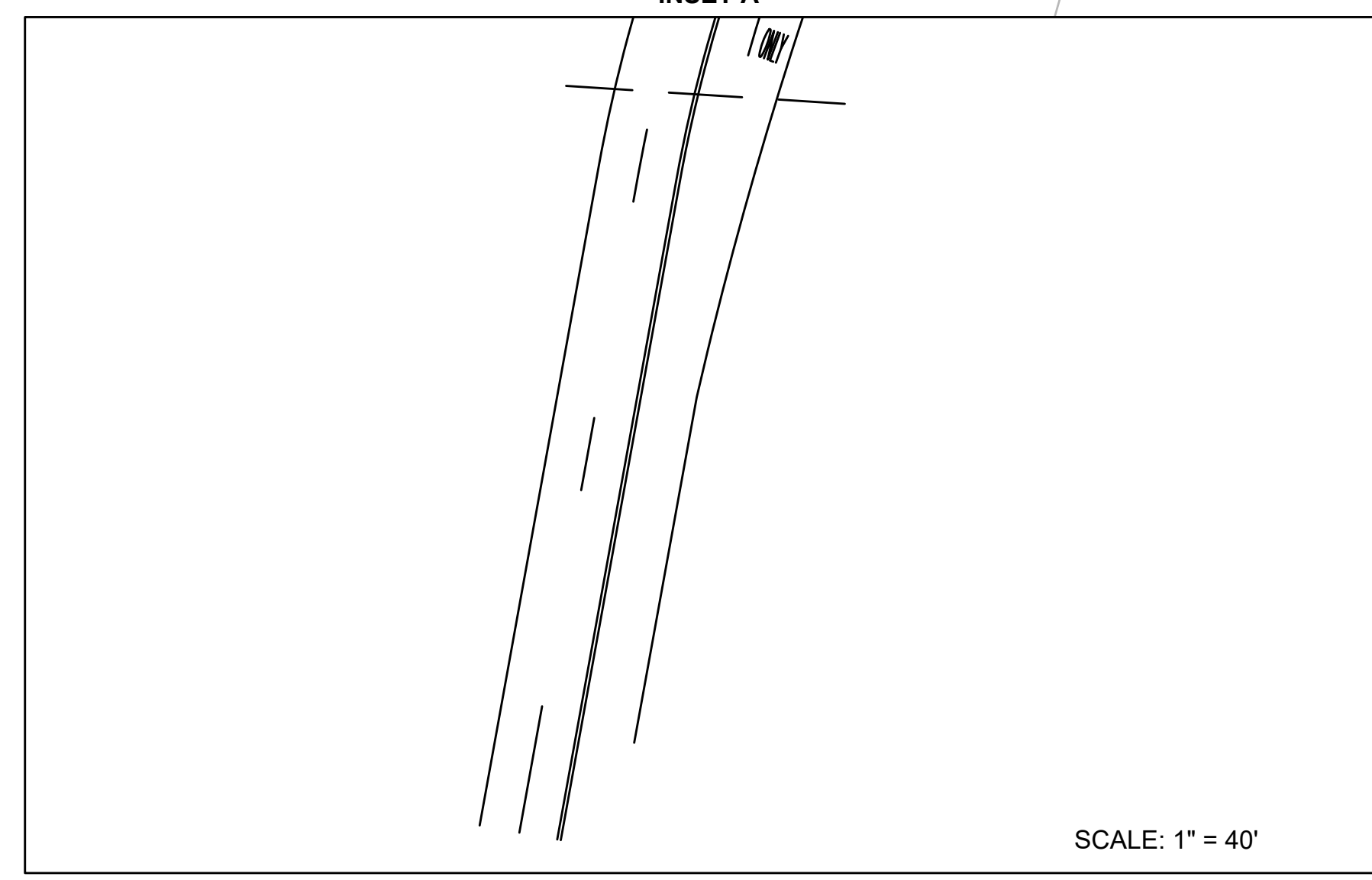
SEE SHEET 117



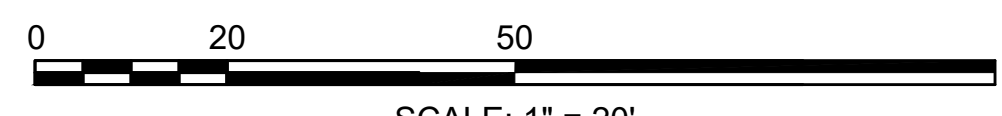


CONTINUED ON SHEET NO. 83

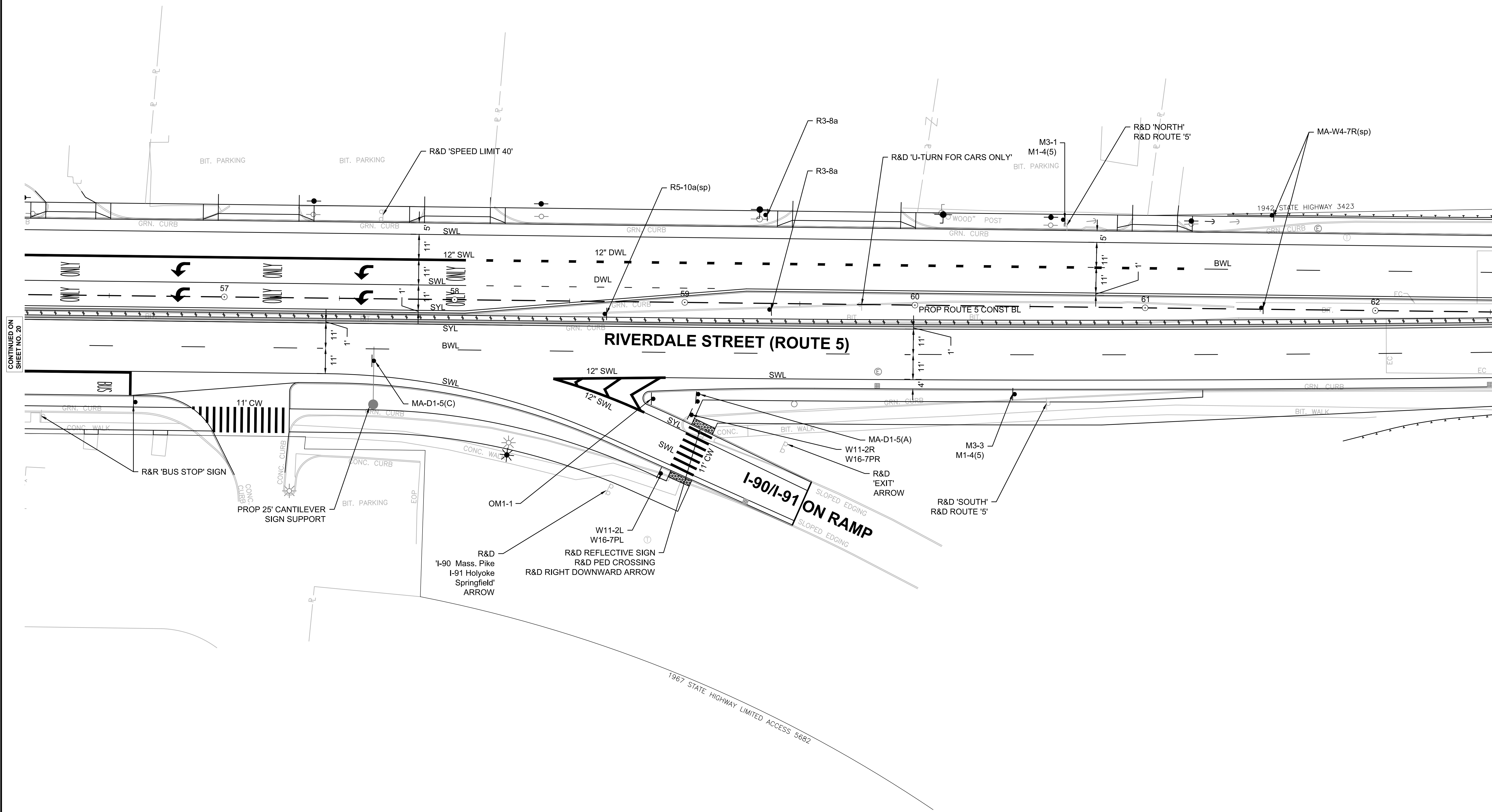
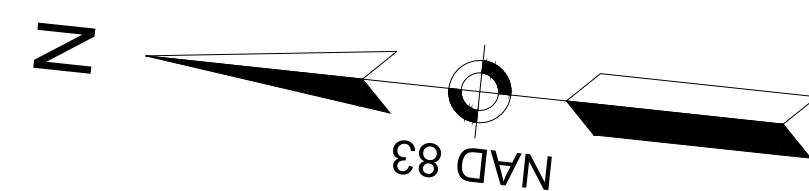
INSET A



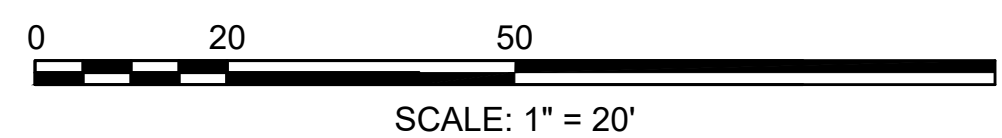
SCALE: 1" = 40'



SCALE: 1" = 20'



CONTINUED ON SHEET NO. 20



CONSTRUCTION PLANS

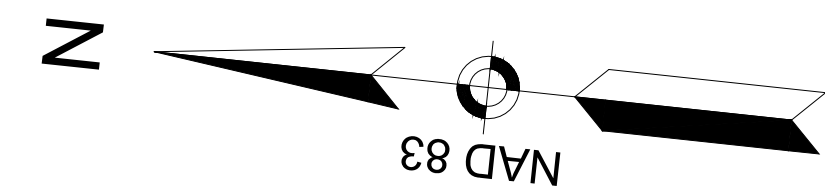
SEE SHEET 22

DRAINAGE AND UTILITY PLANS

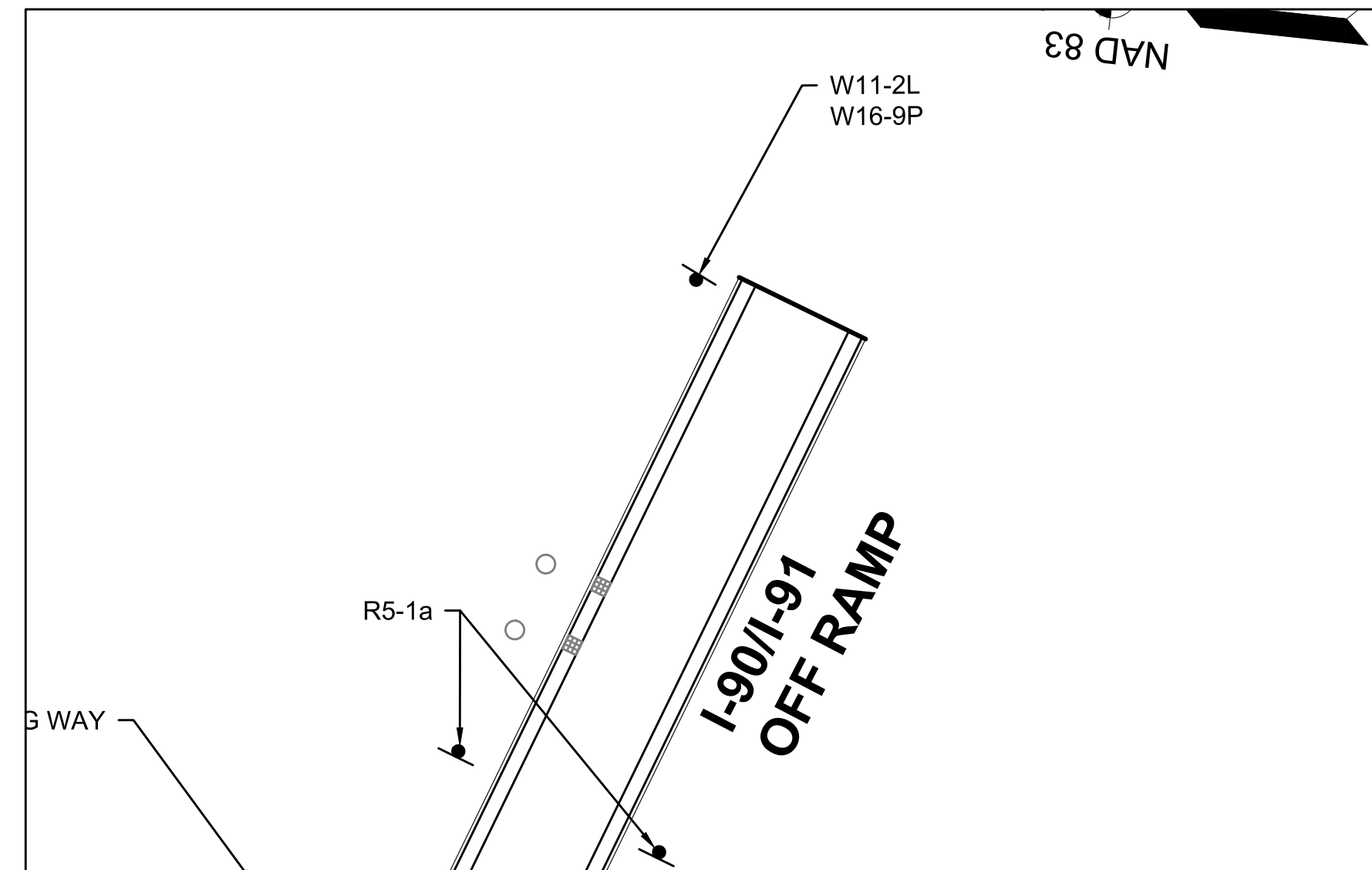
SEE SHEET 54

SIGN SUMMARY

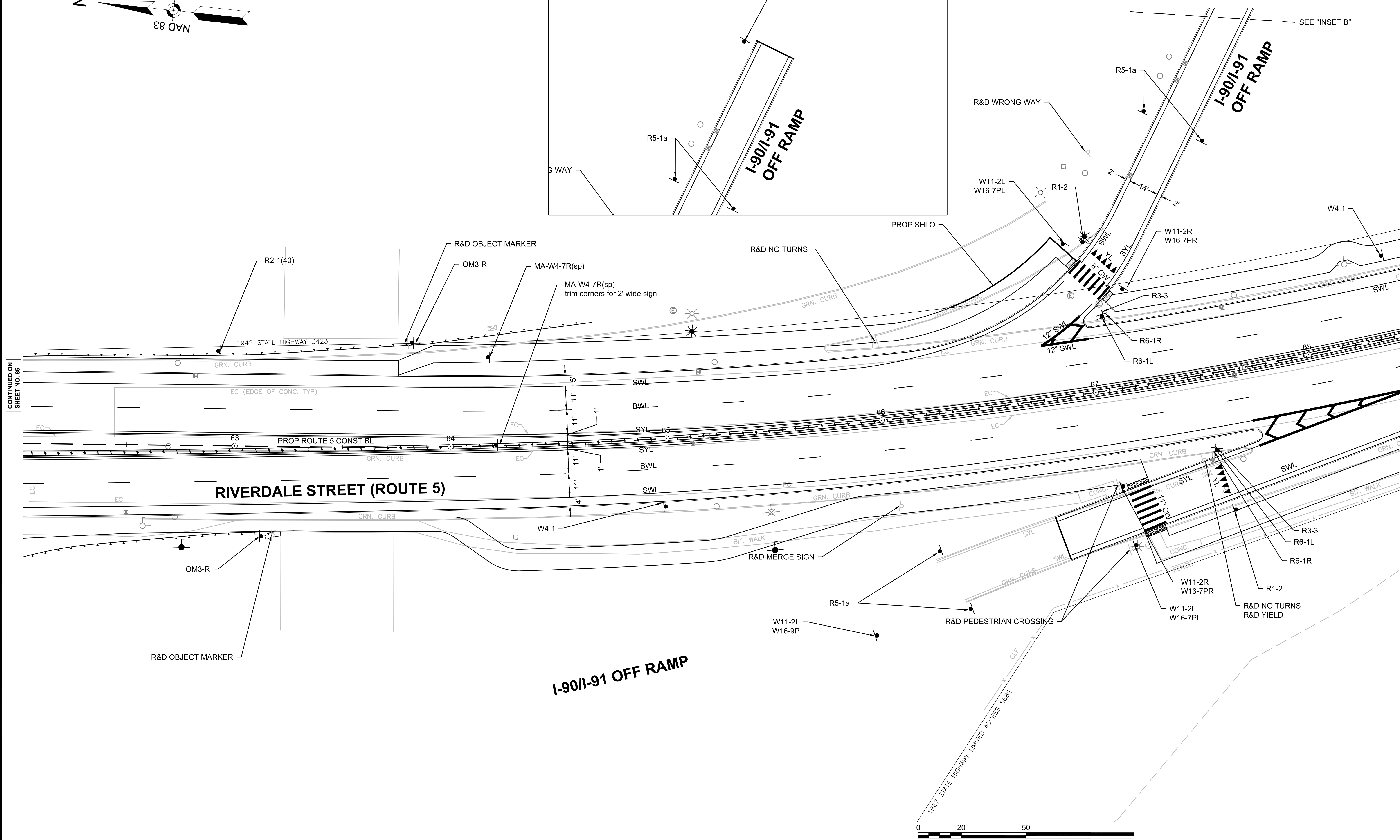
SEE SHEET 109



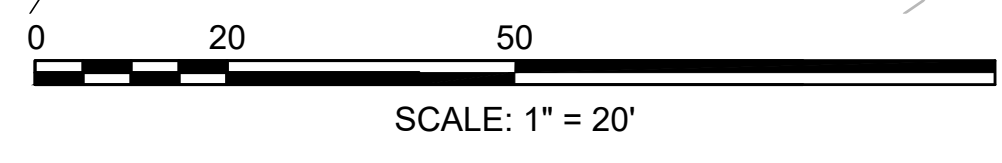
INSET B



Empty rectangular table with 2 columns and 2 rows.



CONTINUED ON SHEET NO. 85



CONSTRUCTION PLANS

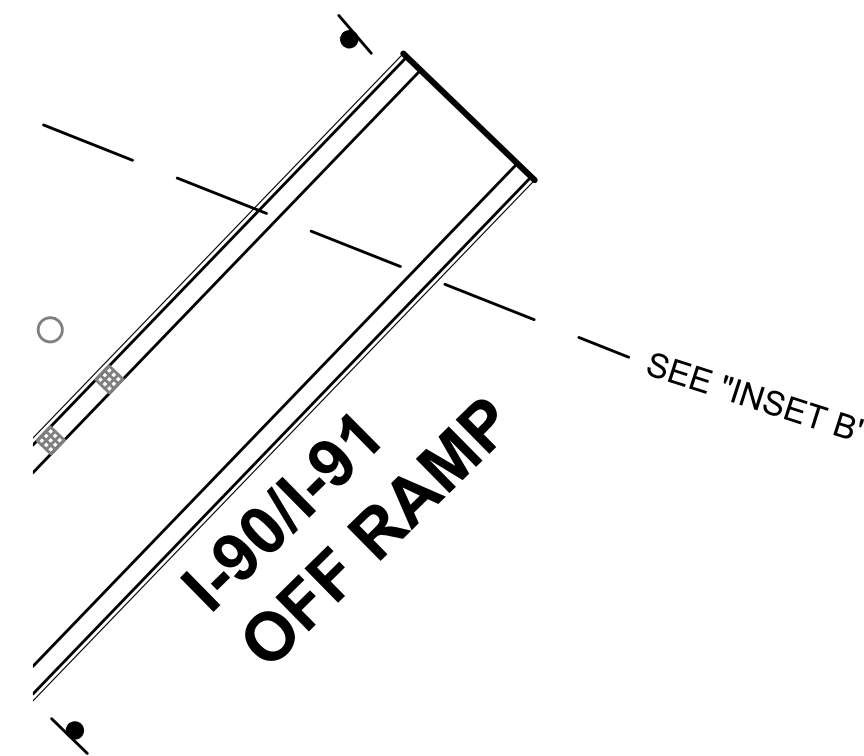
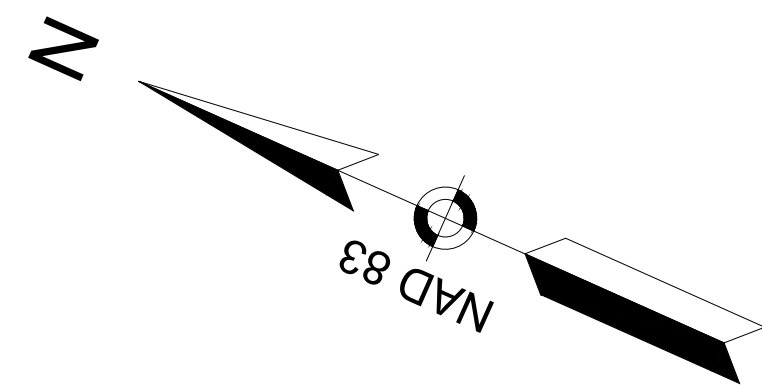
SEE SHEET 23

DRAINAGE AND UTILITY PLANS

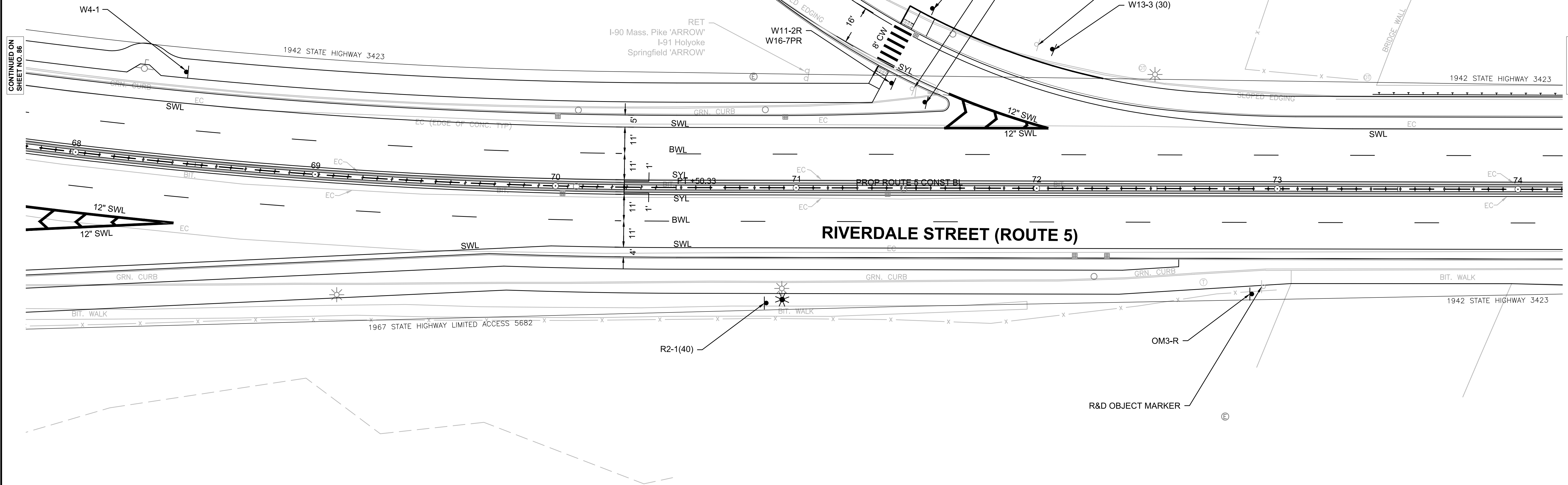
SEE SHEET 55

SIGN SUMMARY

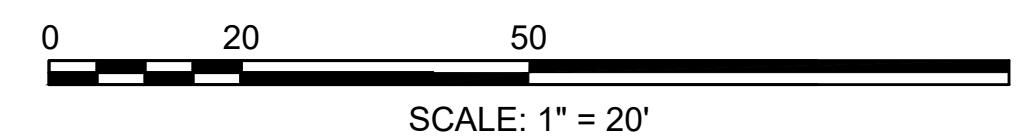
SEE SHEET 109

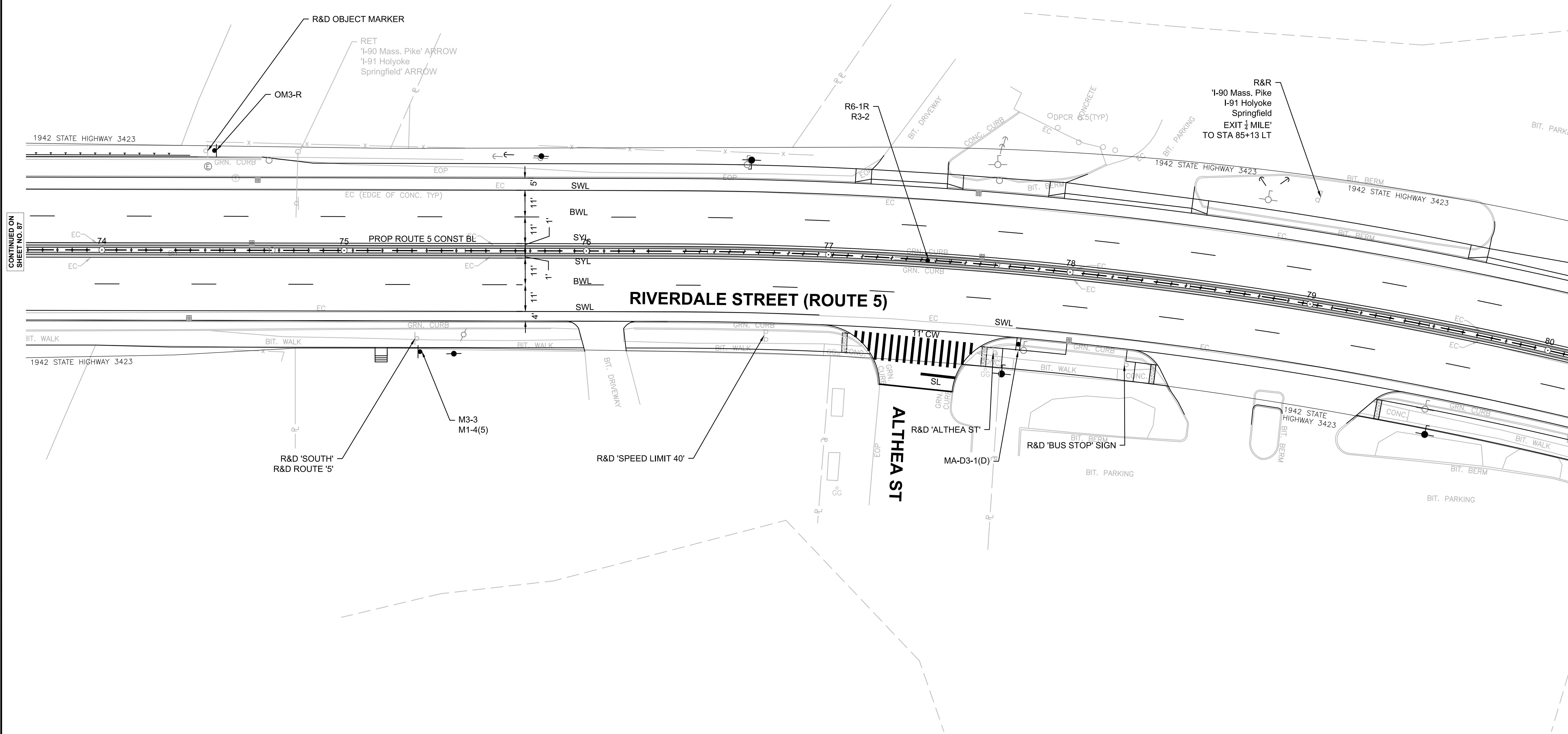
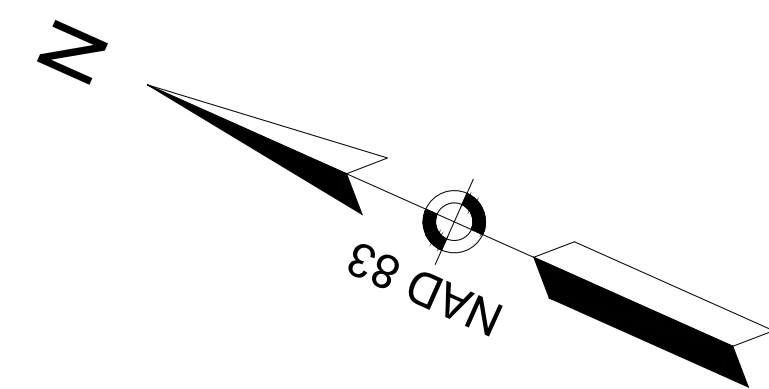


I-90/I-91 ON RAMP

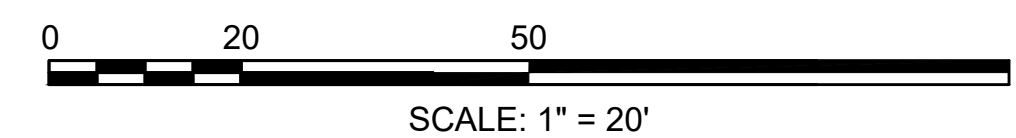


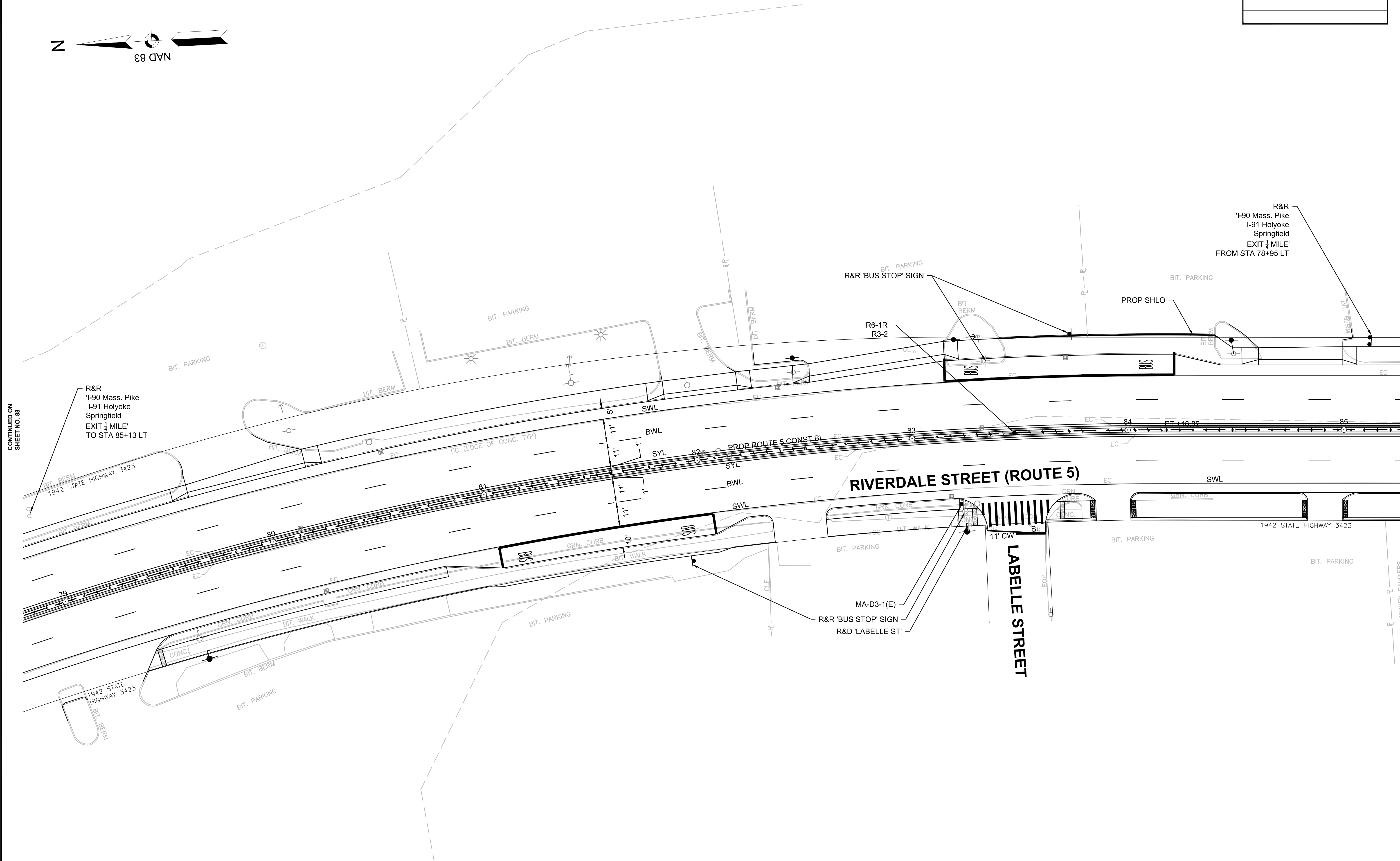
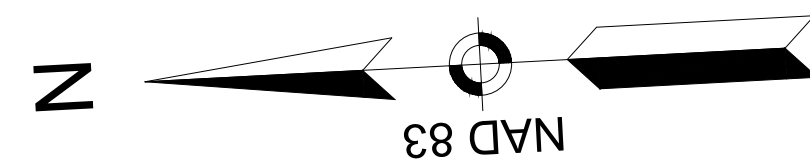
CONTINUED ON SHEET NO. 86





CONTINUED ON SHEET NO. 87





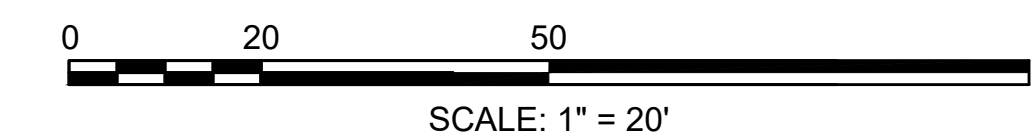
CONTINUED ON SHEET NO. 88

R&R
 'I-90 Mass. Pike
 I-91 Holyoke
 Springfield
 EXIT 1/2 MILE'
 TO STA 85+13 LT

R&R
 'I-90 Mass. Pike
 I-91 Holyoke
 Springfield
 EXIT 1/2 MILE'
 FROM STA 78+95 LT

RIVERDALE STREET (ROUTE 5)

LABELLE STREET



CONSTRUCTION PLANS

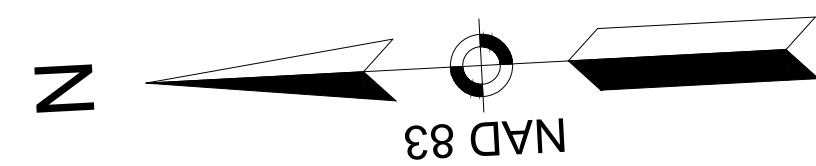
SEE SHEET 26

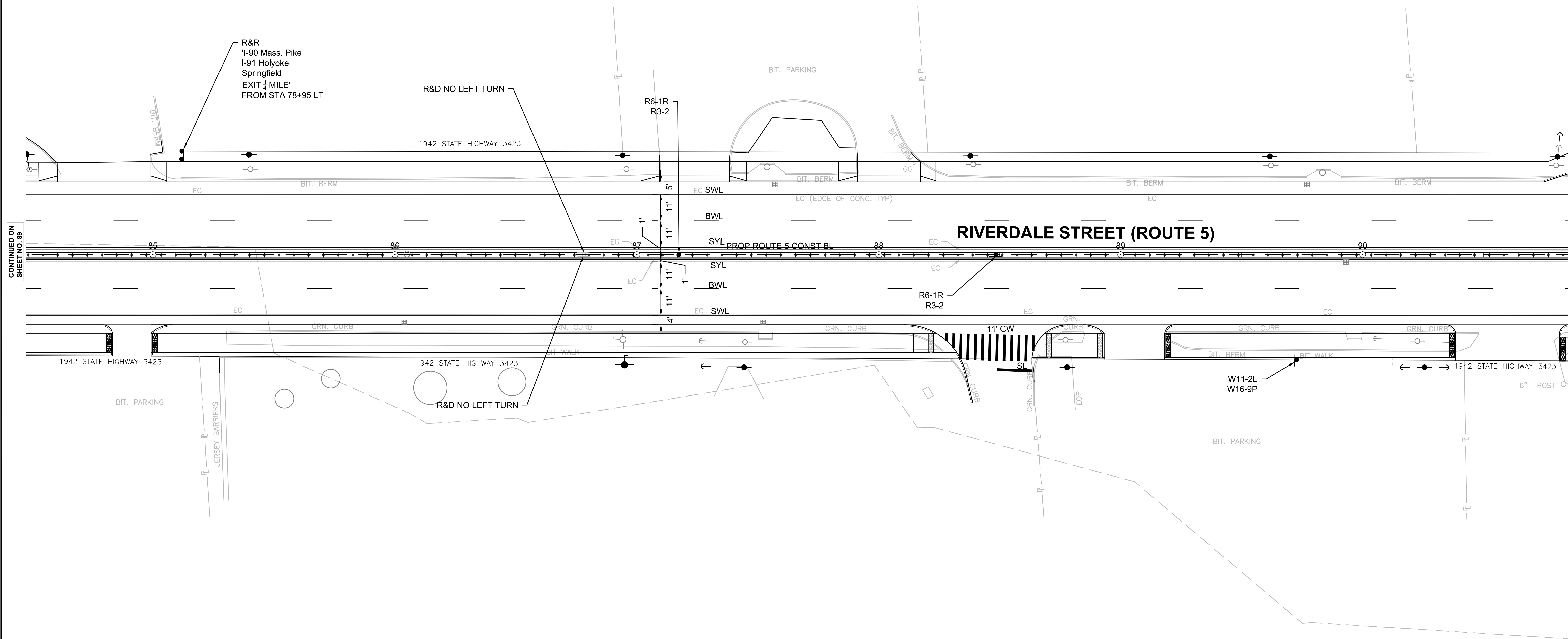
DRAINAGE AND UTILITY PLANS

SEE SHEET 58

SIGN SUMMARY

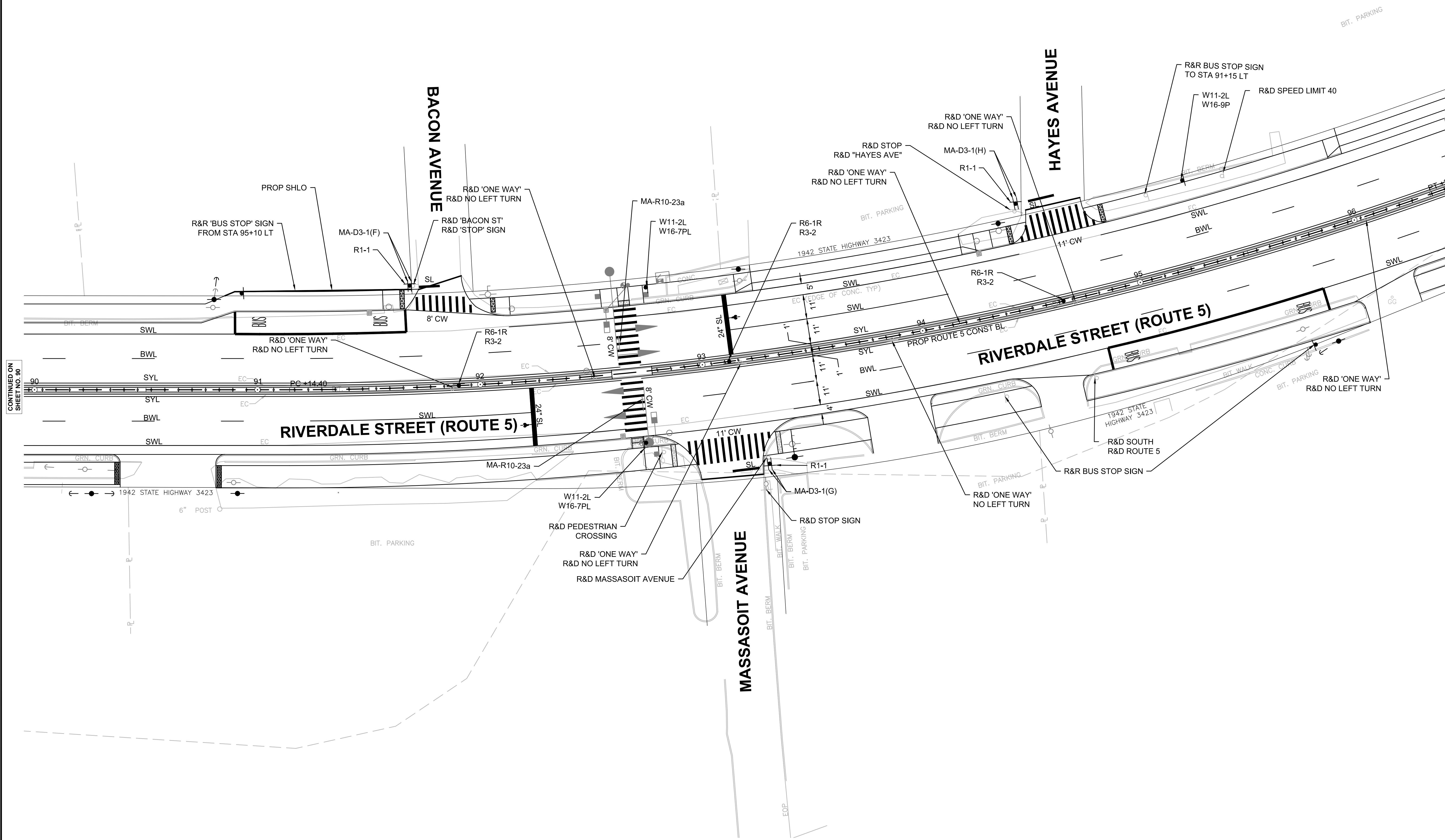
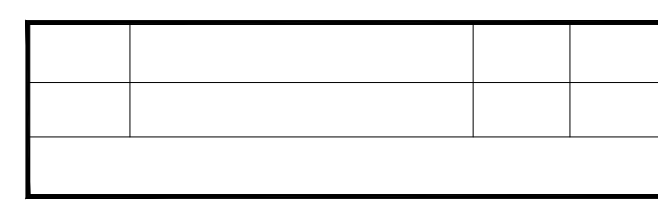
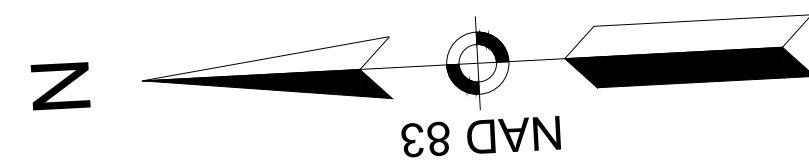
SEE SHEET 90



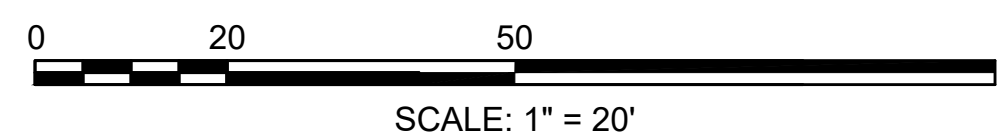


CONTINUED ON SHEET NO. 89





CONTINUED ON SHEET NO. 90



CONSTRUCTION PLANS

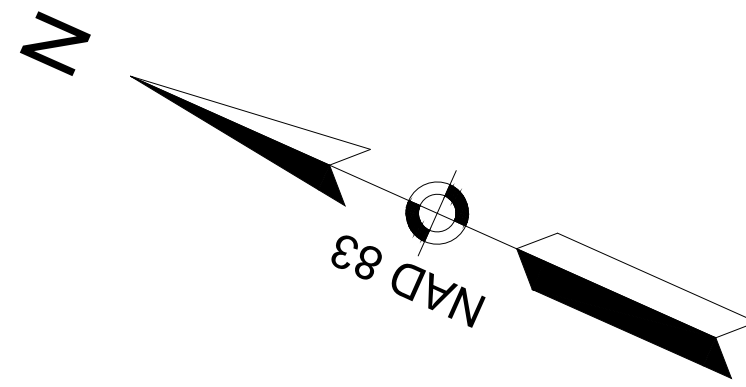
SEE SHEET 28

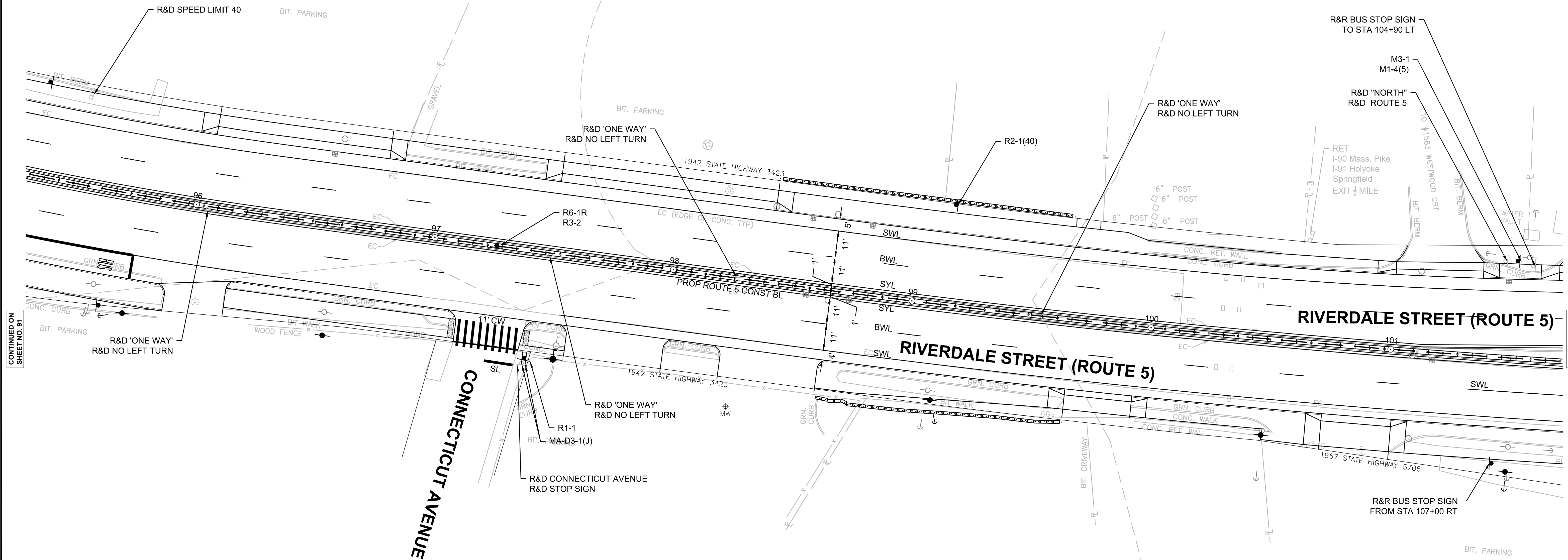
DRAINAGE AND UTILITY PLANS

SEE SHEET 60

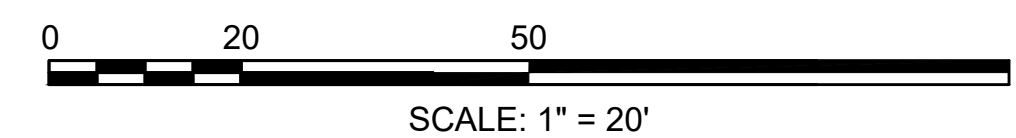
SIGN SUMMARY

SEE SHEET 109





CONTINUED ON SHEET NO. 91

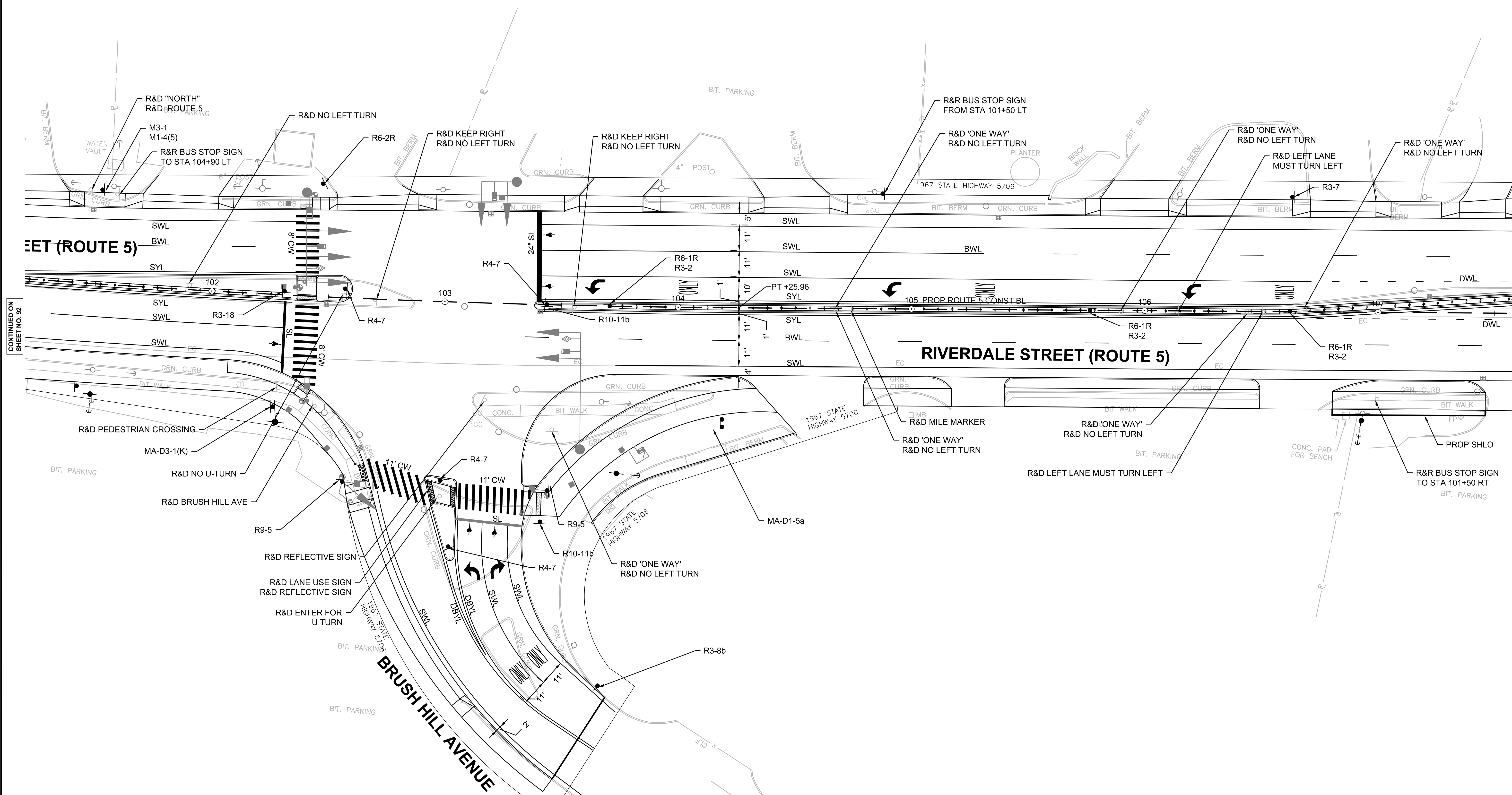
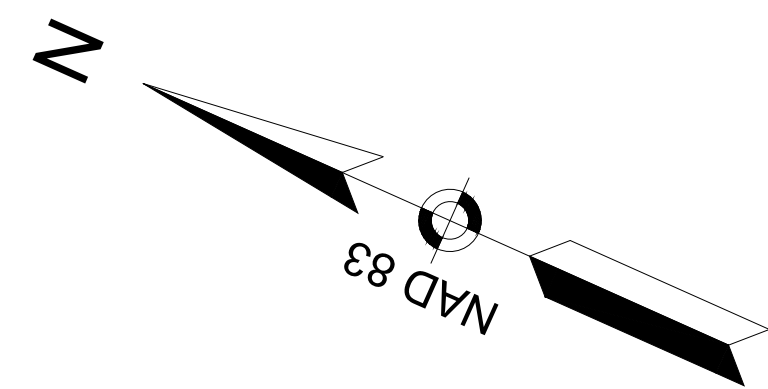


CONSTRUCTION PLANS
SEE SHEET 29

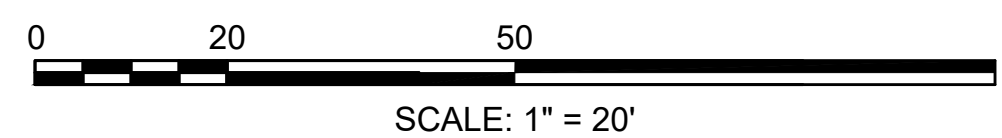
DRAINAGE AND UTILITY PLANS
SEE SHEET 61

SIGN SUMMARY
SEE SHEET 109

TRAFFIC SIGNAL PLANS
SEE SHEET 119



CONTINUED ON
SHEET NO. 92



CONSTRUCTION PLANS

SEE SHEET 13

DRAINAGE AND UTILITY PLANS

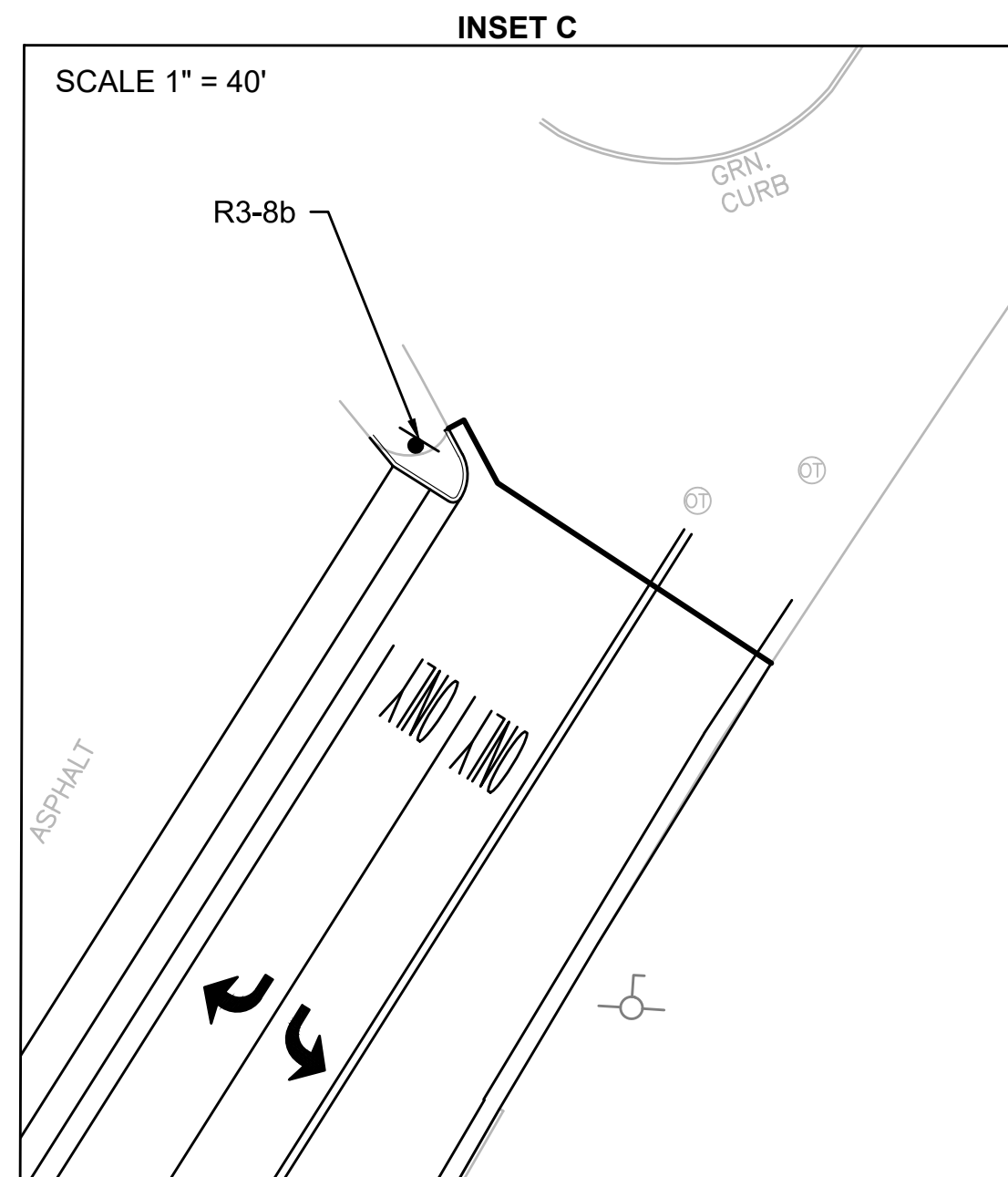
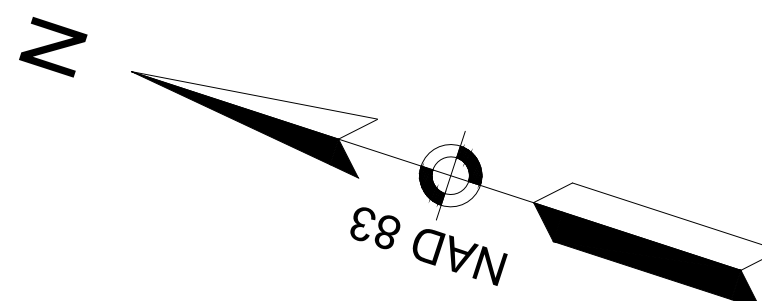
SEE SHEET 62

SIGN SUMMARY

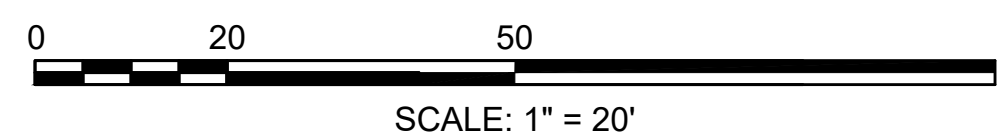
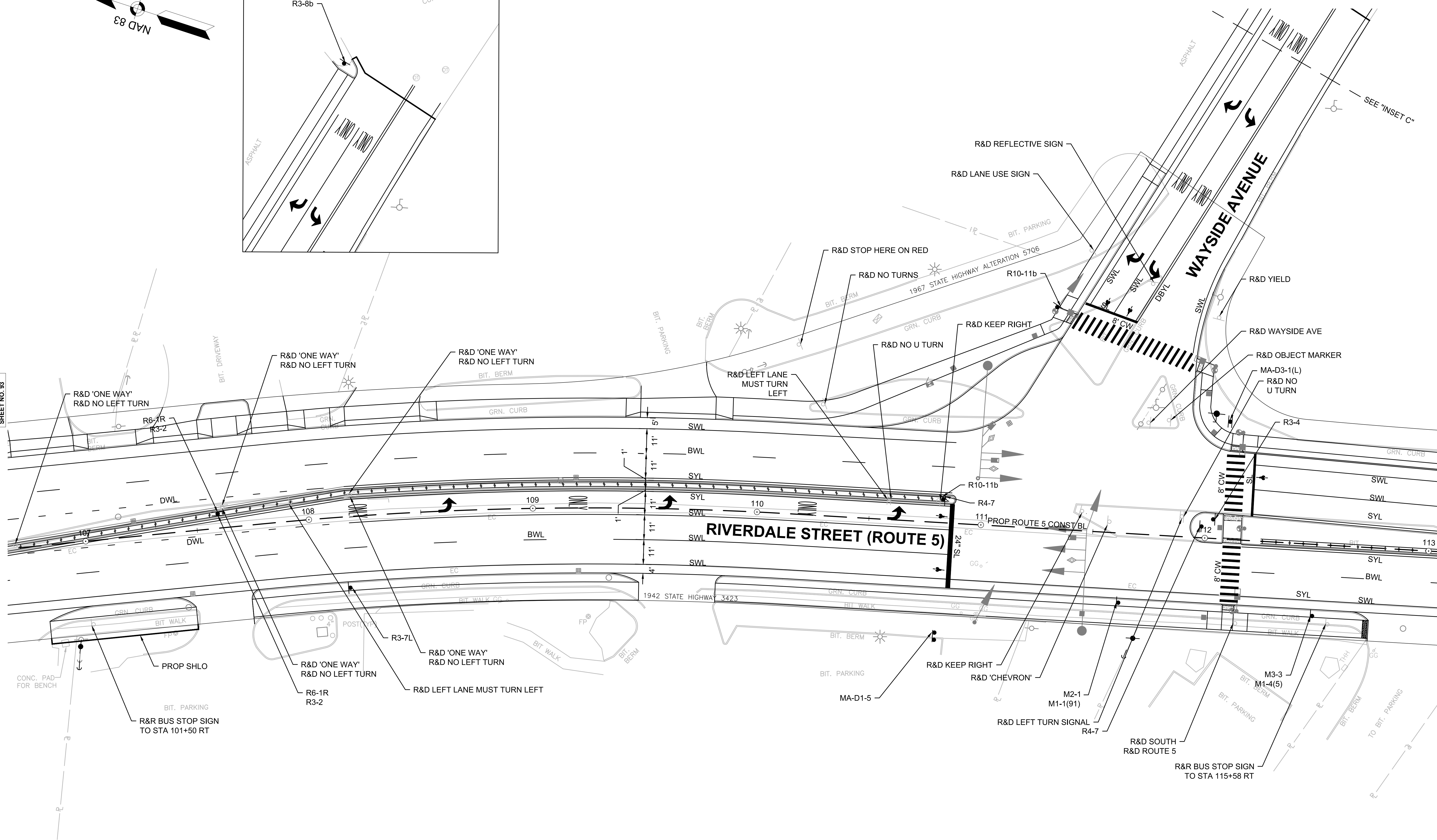
SEE SHEET 109

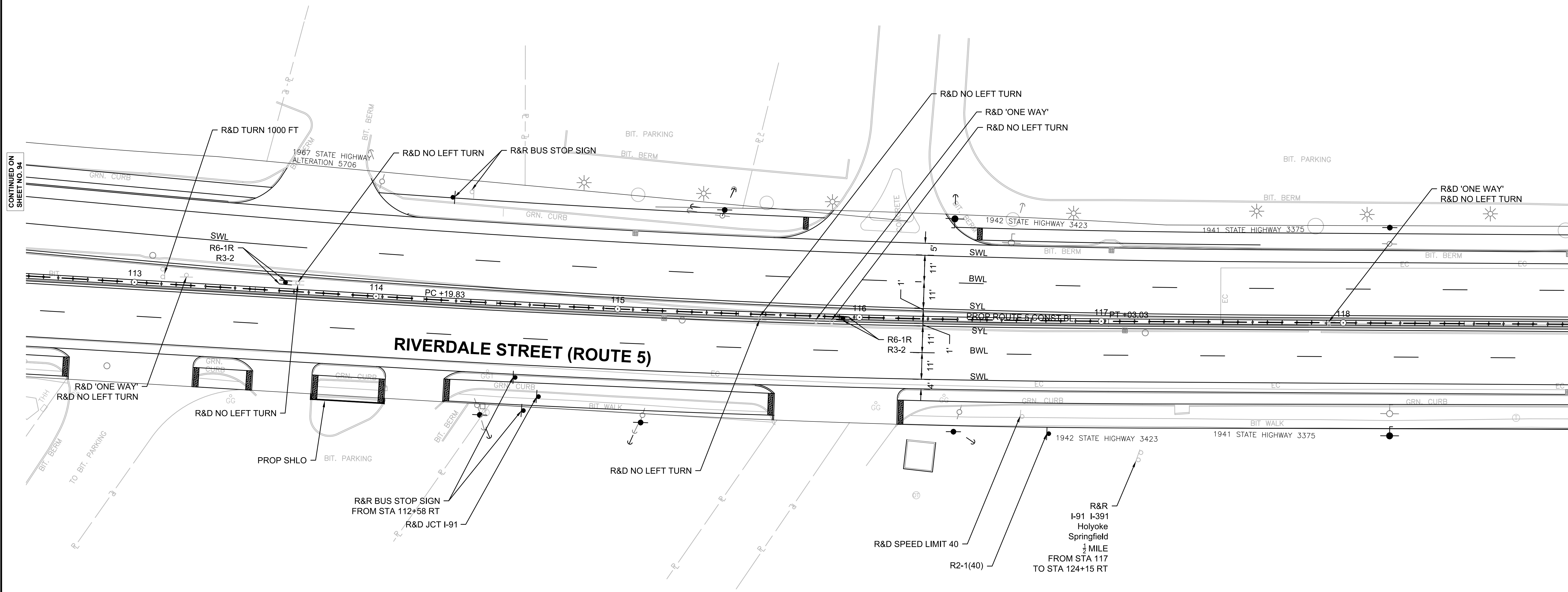
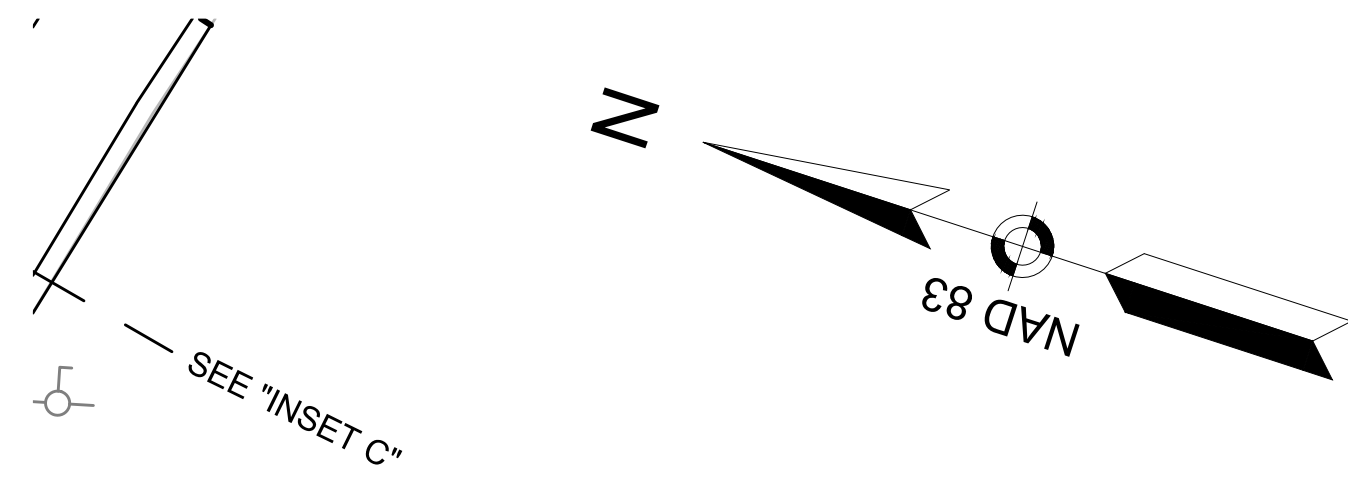
TRAFFIC SIGNAL PLANS

SEE SHEET 120

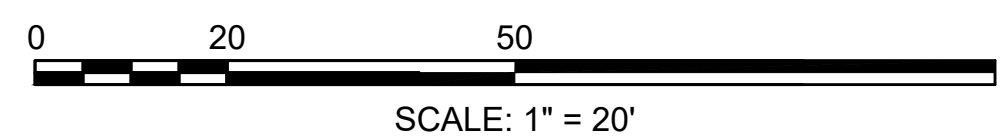


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CONTINUED ON SHEET NO. 94



CONSTRUCTION PLANS

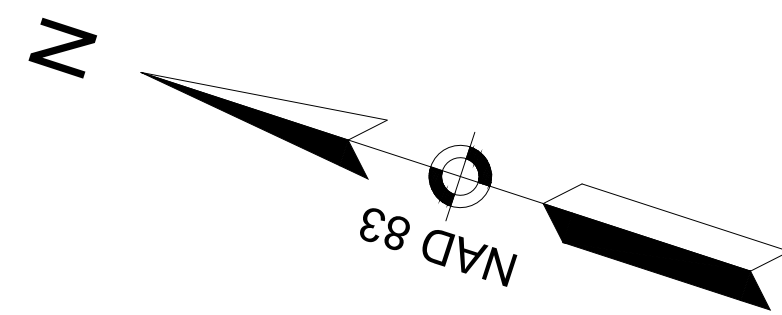
SEE SHEET 32

DRAINAGE AND UTILITY PLANS

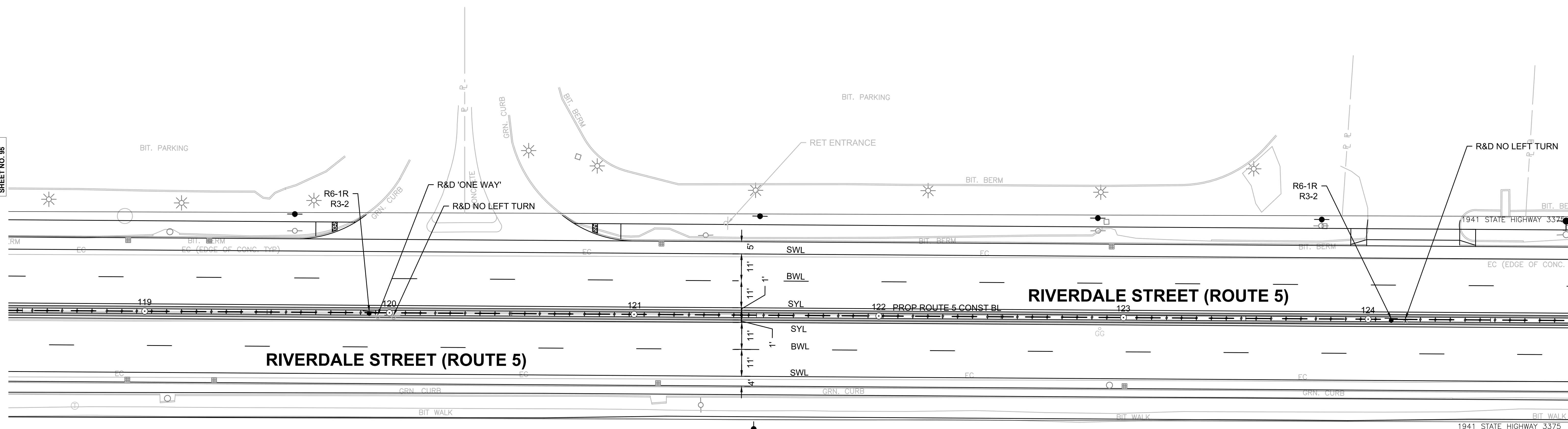
SEE SHEET 64

SIGN SUMMARY

SEE SHEET 109

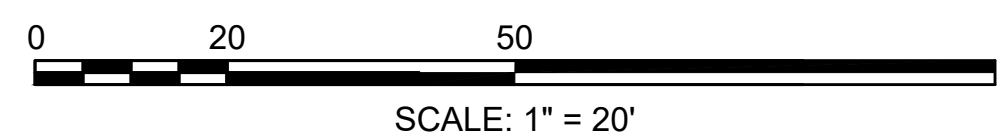


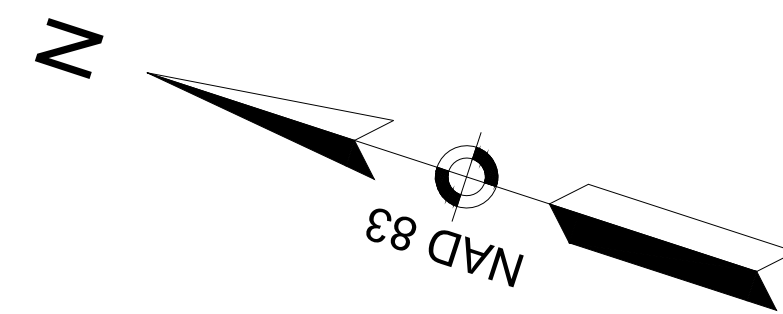
CONTINUED ON SHEET NO. 95



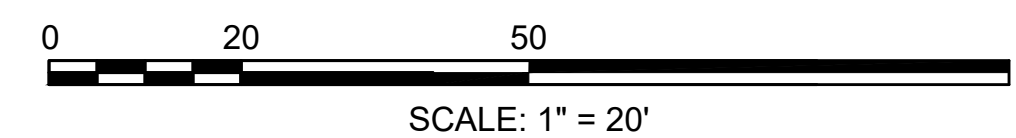
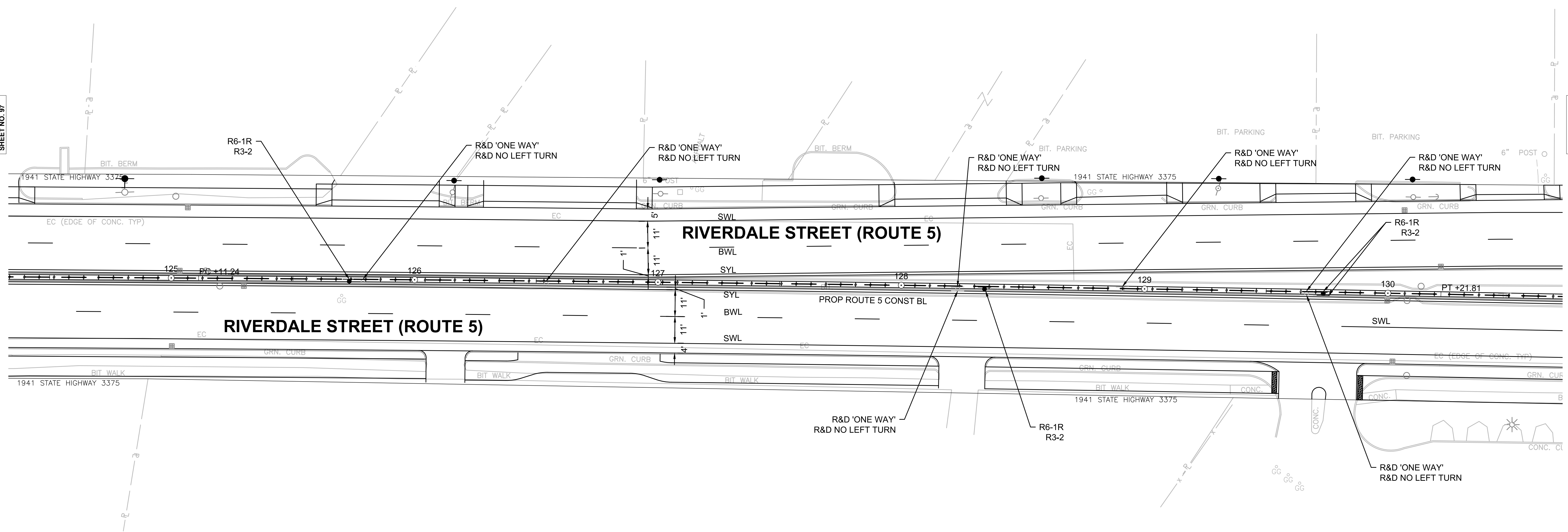
PLACE PLAQUE OF NUMBER $\frac{1}{2}$
 OVER NUMBER $\frac{1}{2}$
 SEE SPECIAL PROVISIONS ITEM XX.XX

R&R
 I-91 I-391
 Holyoke
 Springfield
 $\frac{1}{2}$ MILE
 FROM STA 117+25 RT





CONTINUED ON SHEET NO. 97

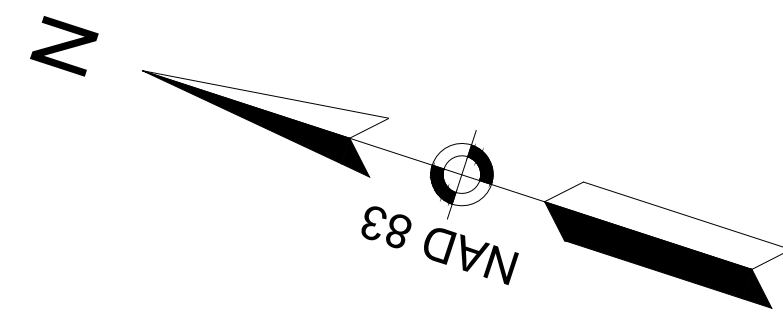


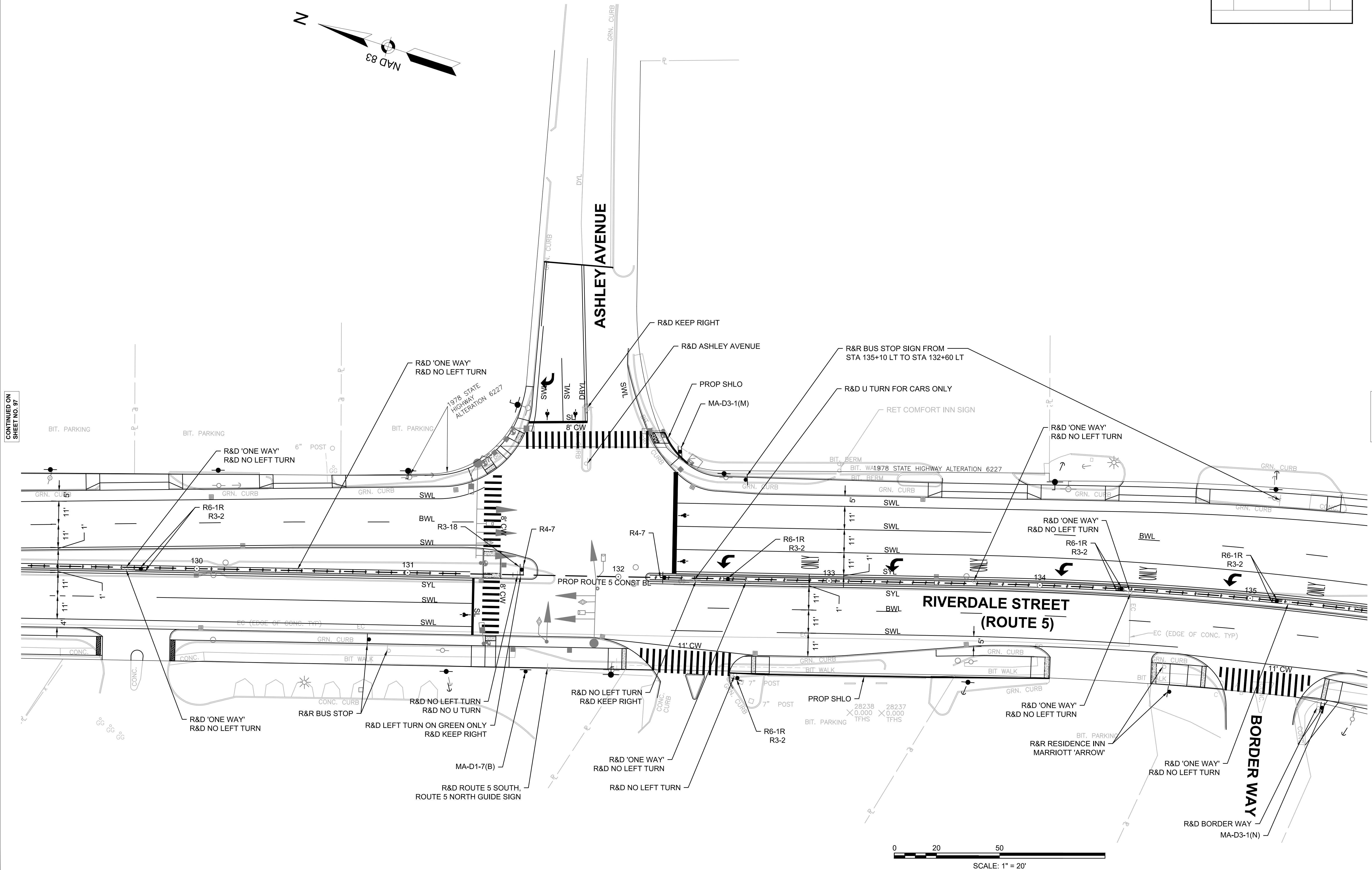
CONSTRUCTION PLANS
SEE SHEET 34

DRAINAGE AND UTILITY PLANS
SEE SHEET 66

SIGN SUMMARY
SEE SHEET 109

TRAFFIC SIGNAL PLANS
SEE SHEET 112





CONTINUED ON
SHEET NO. 97

CONSTRUCTION PLANS

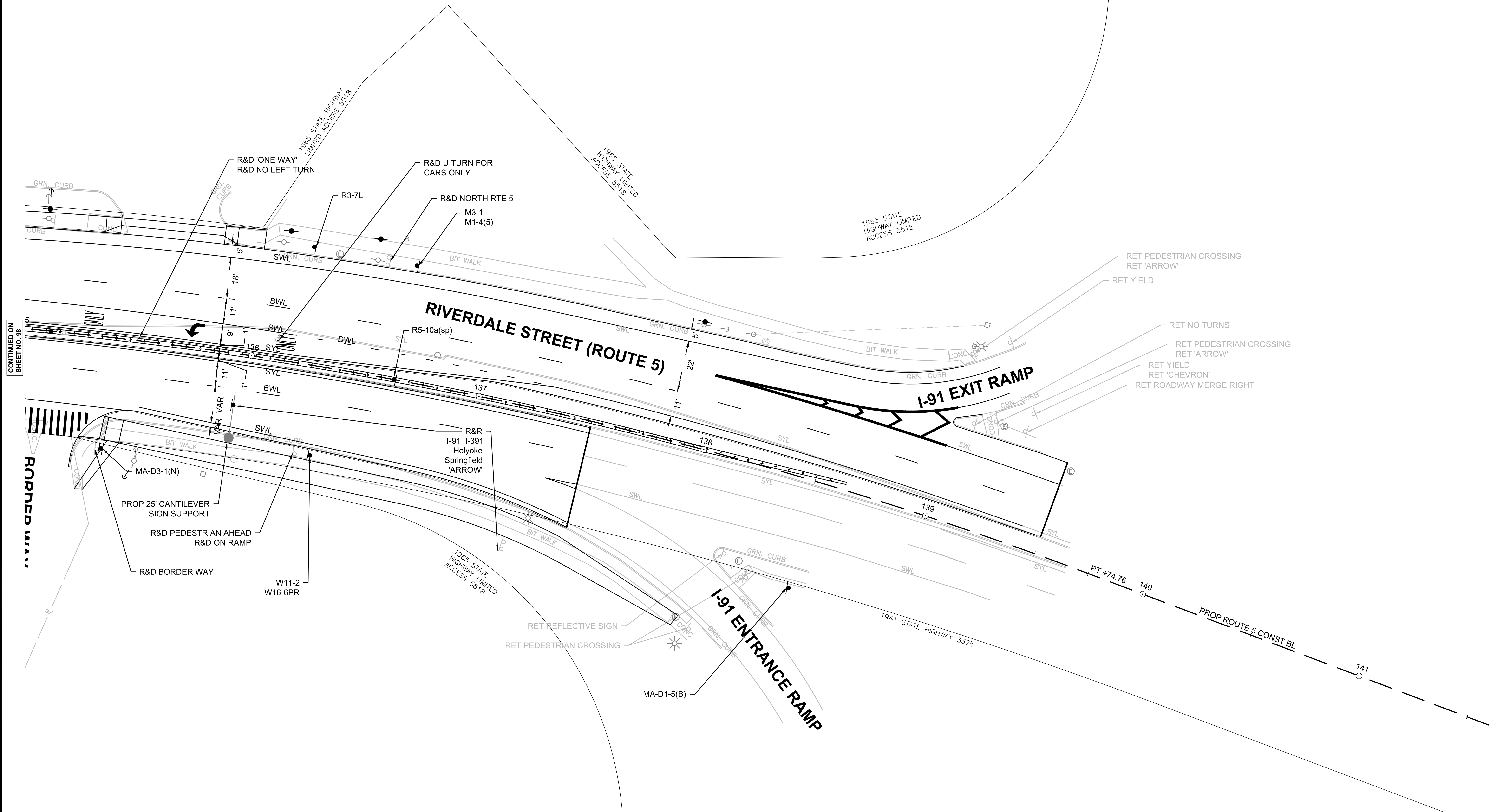
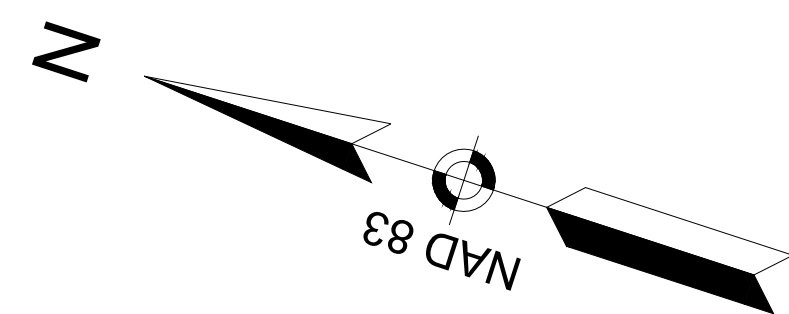
SEE SHEET 34

DRAINAGE AND UTILITY PLANS

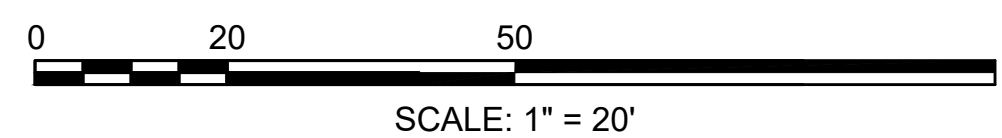
SEE SHEET 67

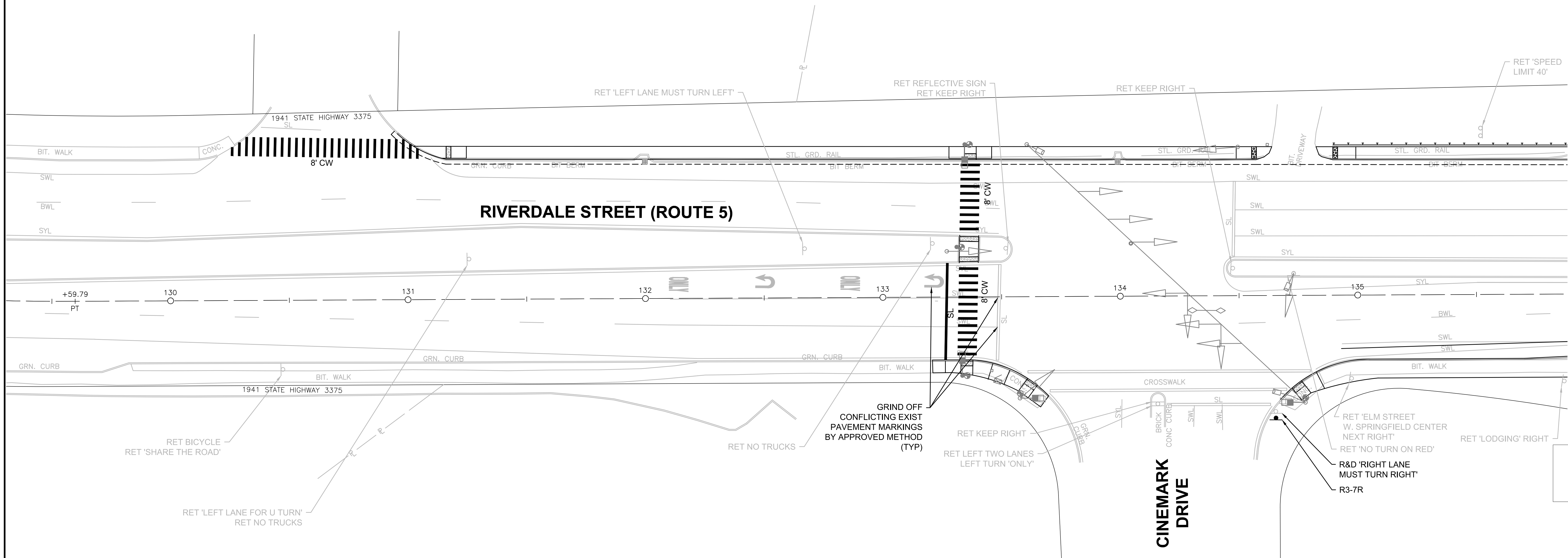
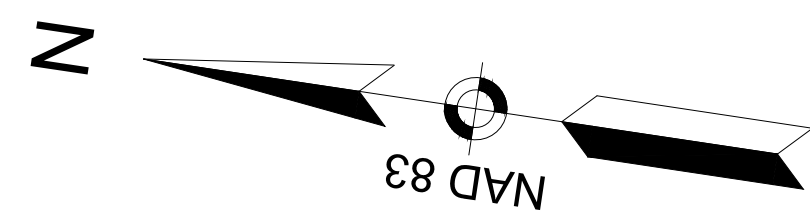
SIGN SUMMARY

SEE SHEET 109



CONTINUED ON SHEET NO. 98





CONSTRUCTION PLANS

SEE SHEET 37

DRAINAGE AND UTILITY PLANS

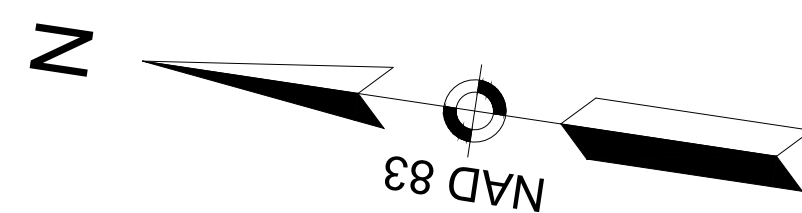
SEE SHEET 69

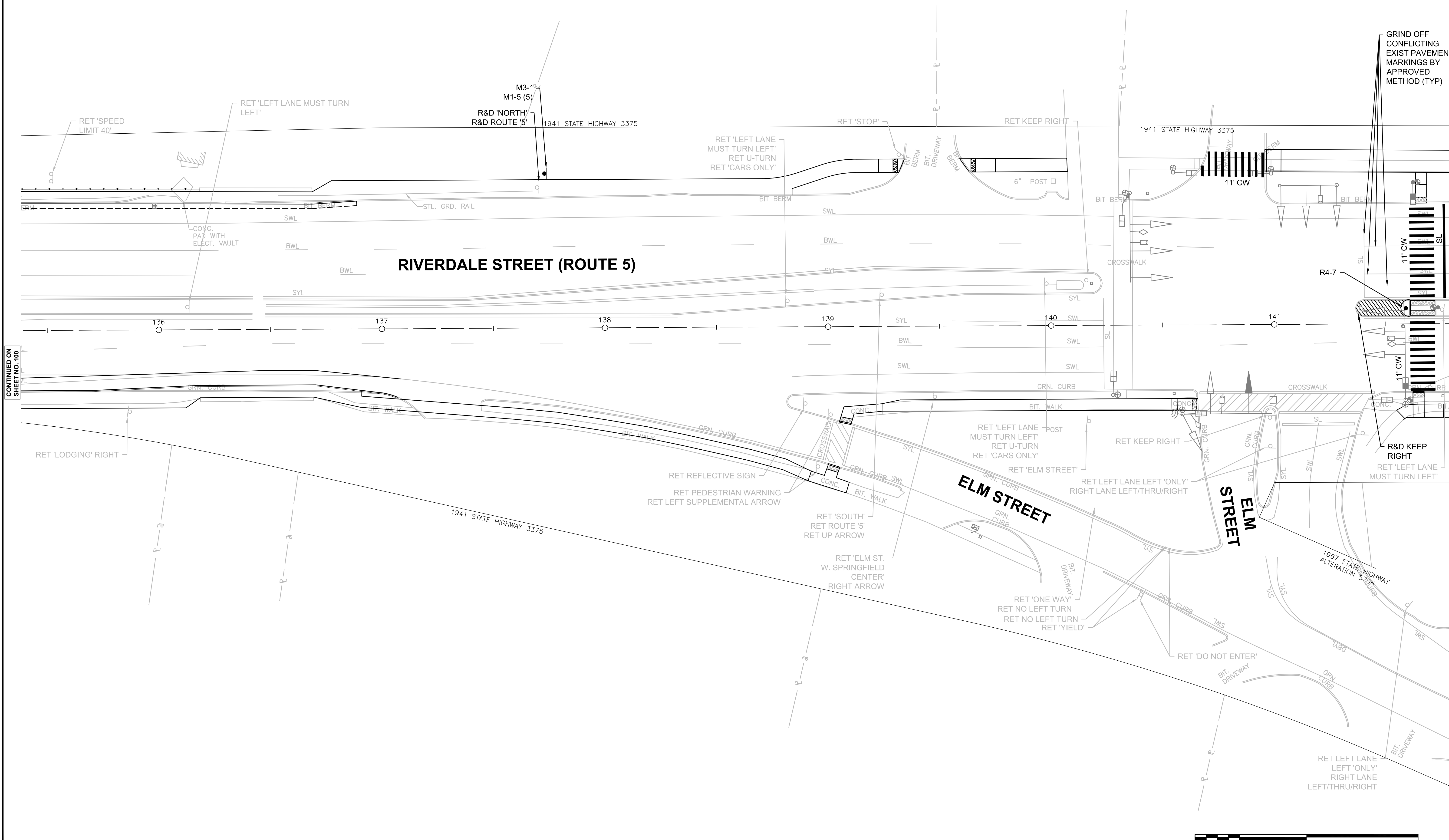
SIGN SUMMARY

SEE SHEET 109

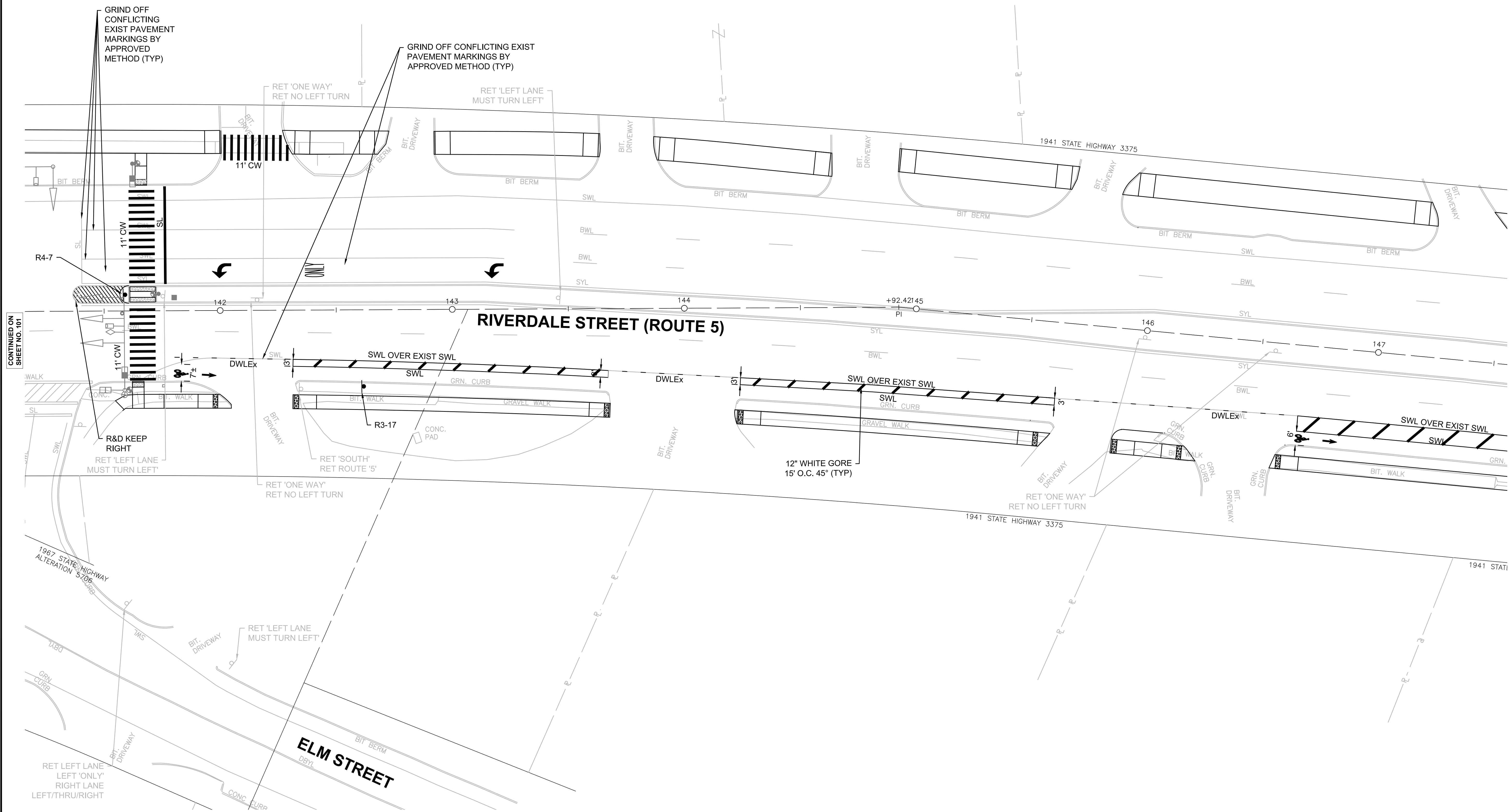
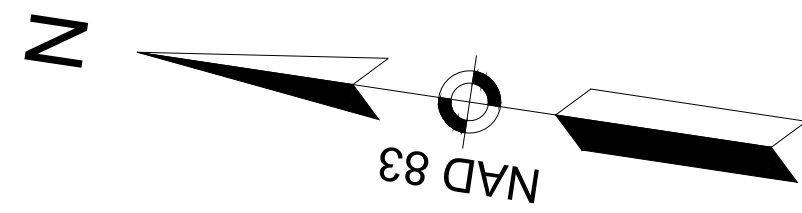
TRAFFIC SIGNAL PLANS

SEE SHEET 128



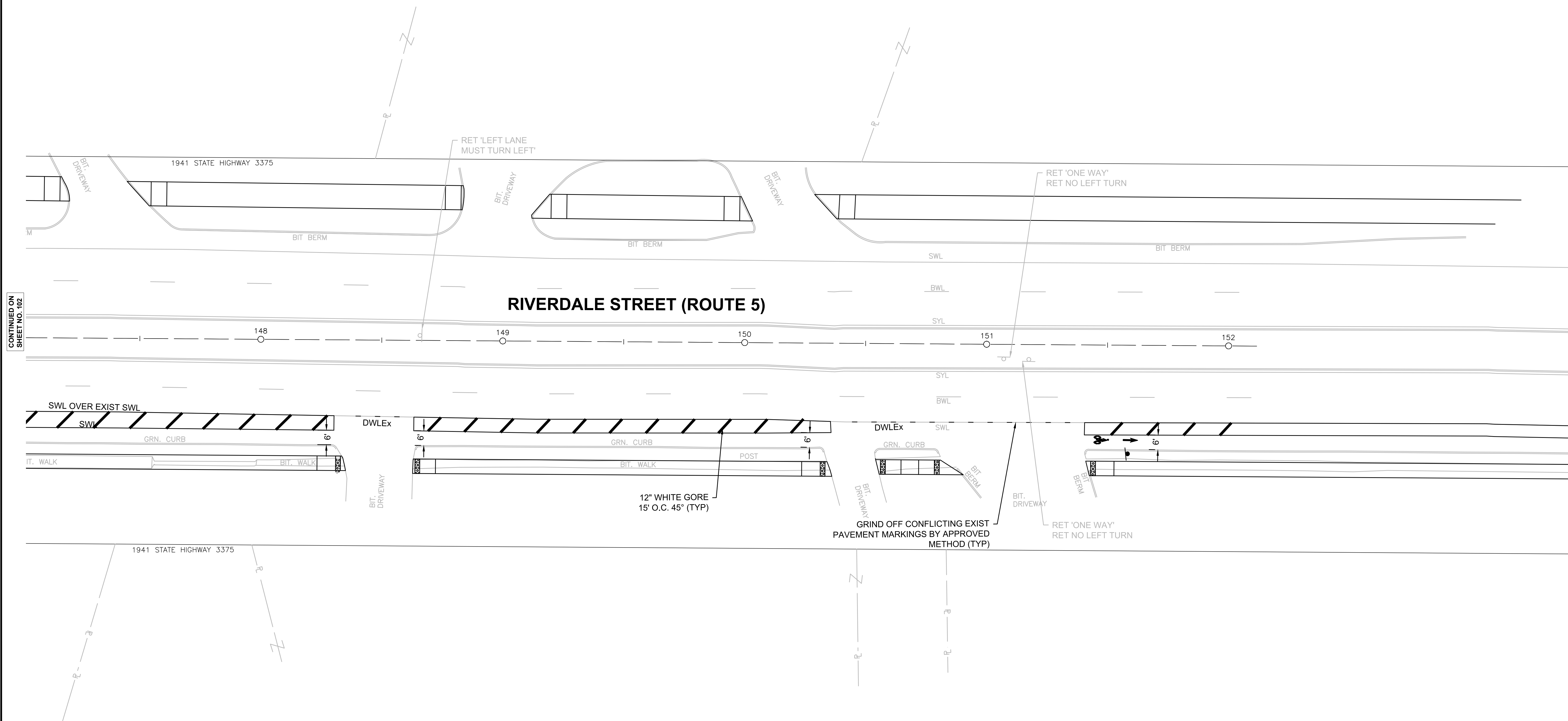
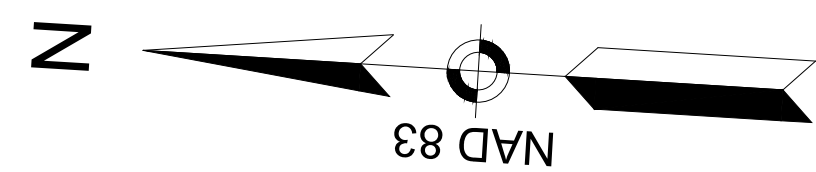


CONTINUED ON SHEET NO. 100



CONTINUED ON SHEET NO. 101





CONTINUED ON SHEET NO. 102

CONSTRUCTION PLANS

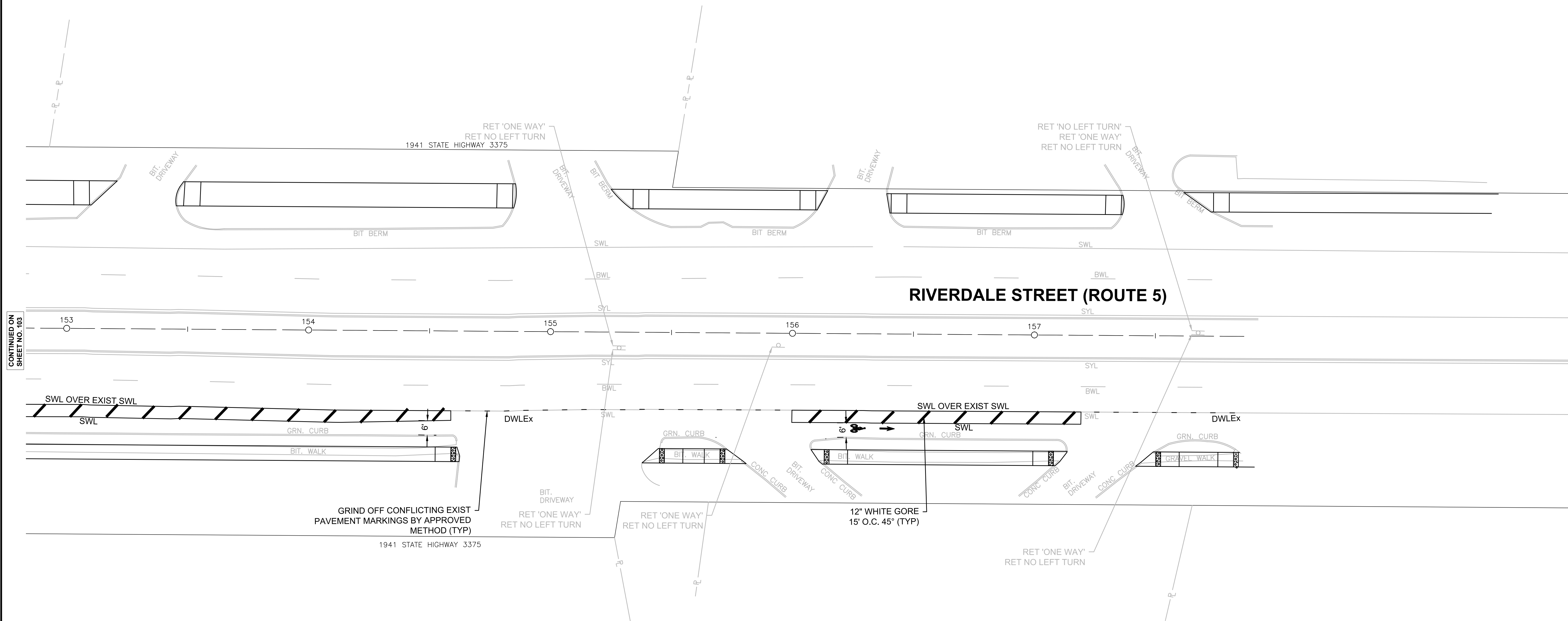
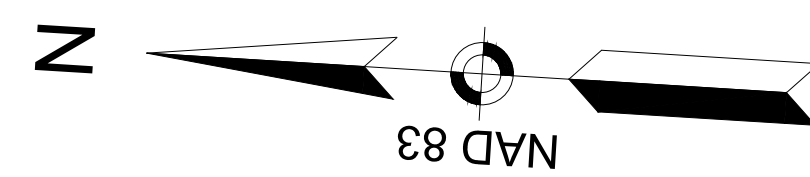
SEE SHEET 40

DRAINAGE AND UTILITY PLANS

SEE SHEET 72

SIGN SUMMARY

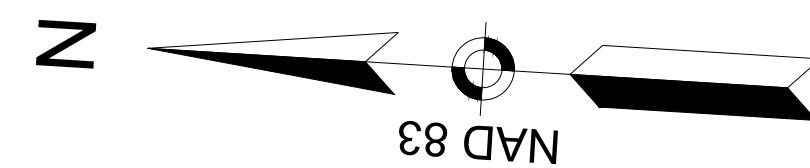
SEE SHEET 109

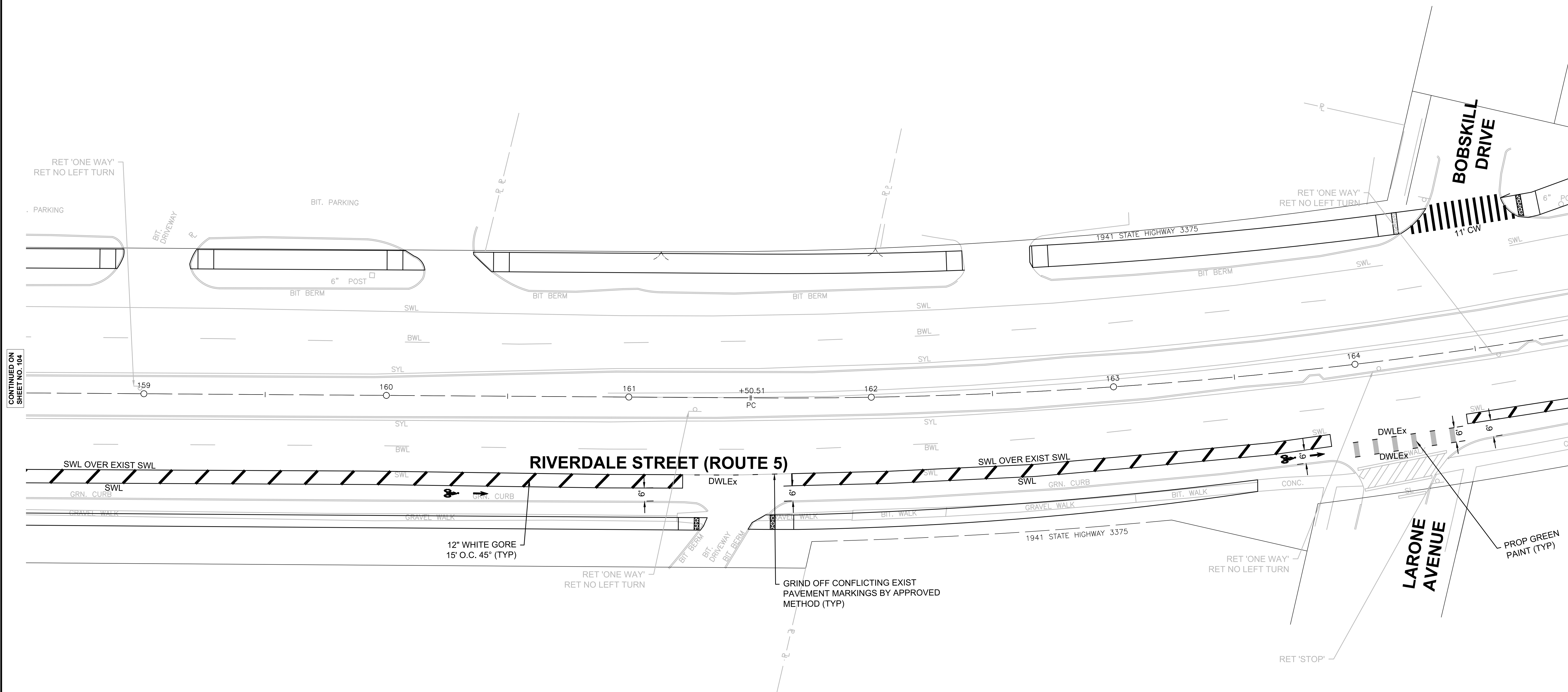


CONTINUED ON SHEET NO. 103

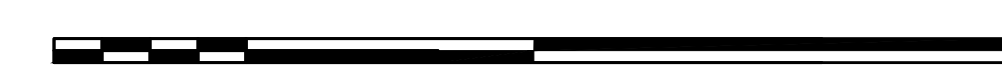
GRIND OFF CONFLICTING EXIST PAVEMENT MARKINGS BY APPROVED METHOD (TYP)

12" WHITE GORE 15' O.C. 45° (TYP)





CONTINUED ON SHEET NO. 104



CONSTRUCTION PLANS

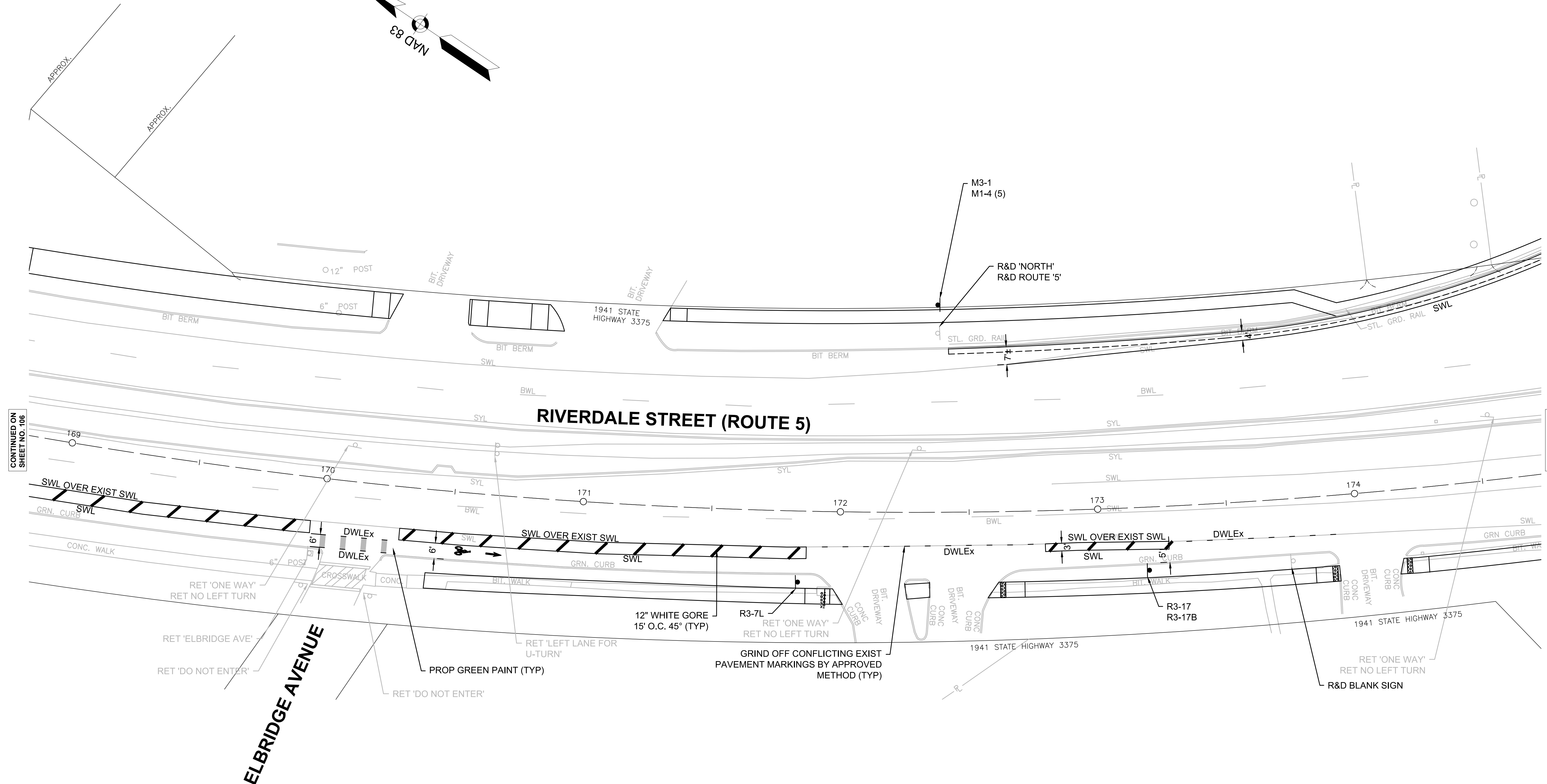
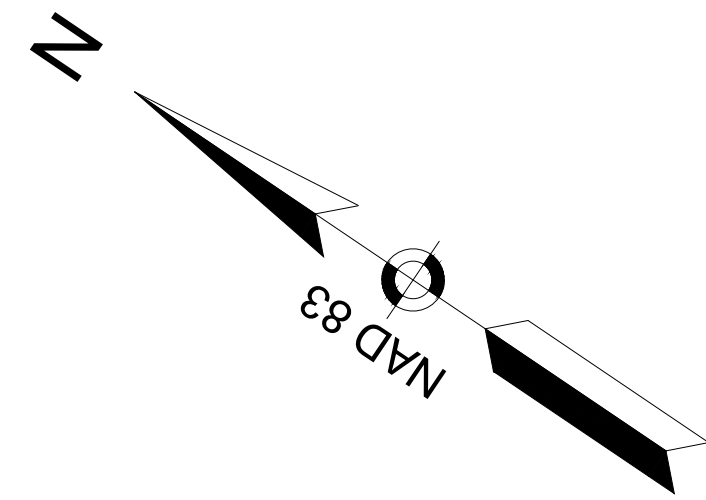
SEE SHEET 43

DRAINAGE AND UTILITY PLANS

SEE SHEET 75

SIGN SUMMARY

SEE SHEET 109



CONTINUED ON SHEET NO. 108



CONSTRUCTION PLANS

SEE SHEET 44

DRAINAGE AND UTILITY PLANS

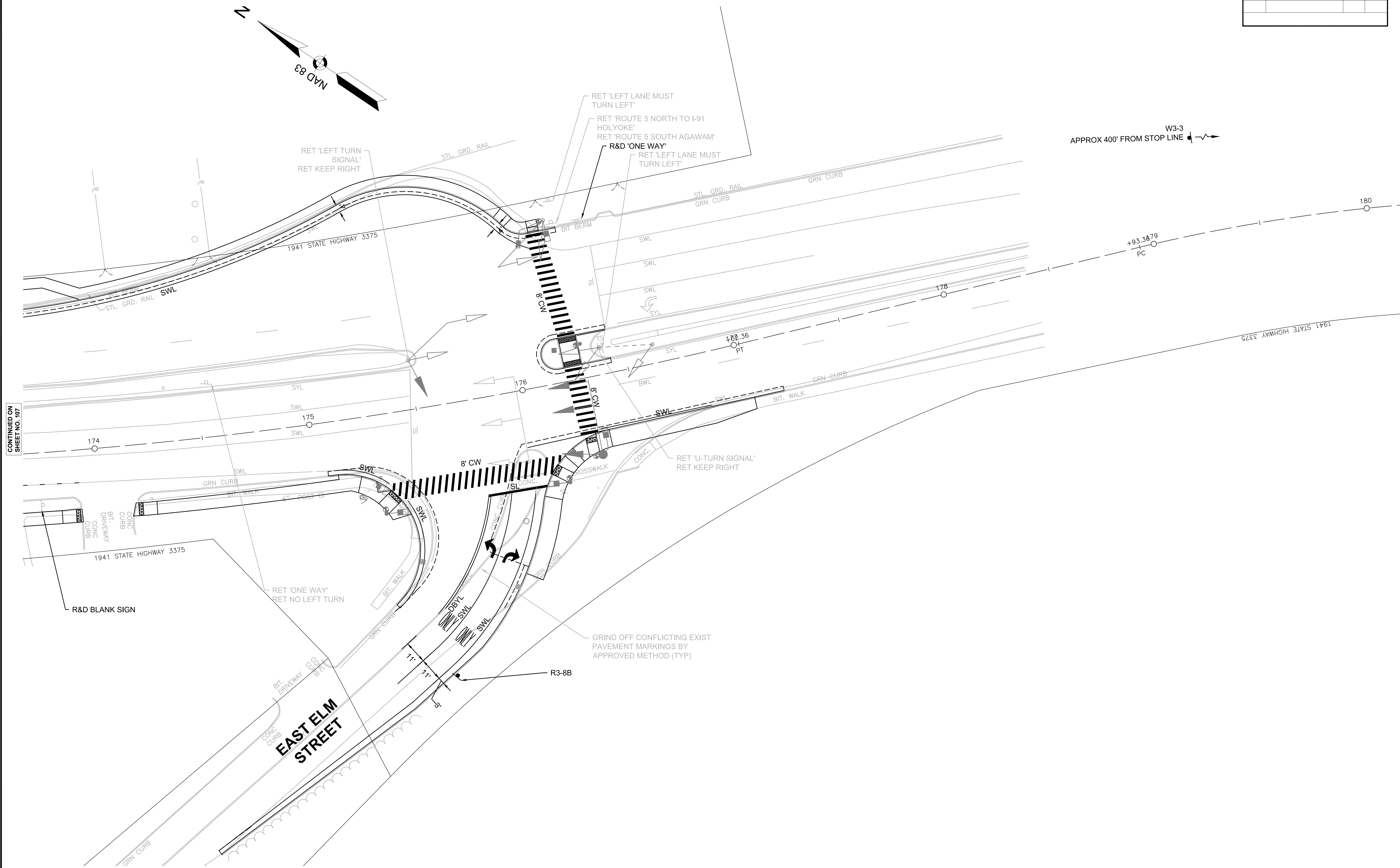
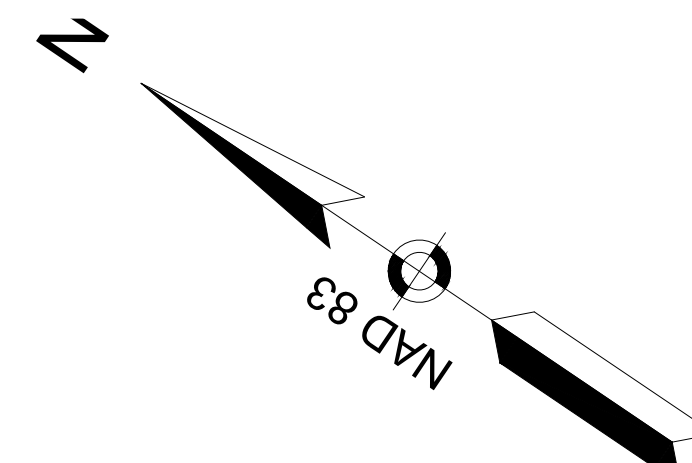
SEE SHEET 76

SIGN SUMMARY

SEE SHEET 109

TRAFFIC SIGNAL PLANS

SEE SHEET 130

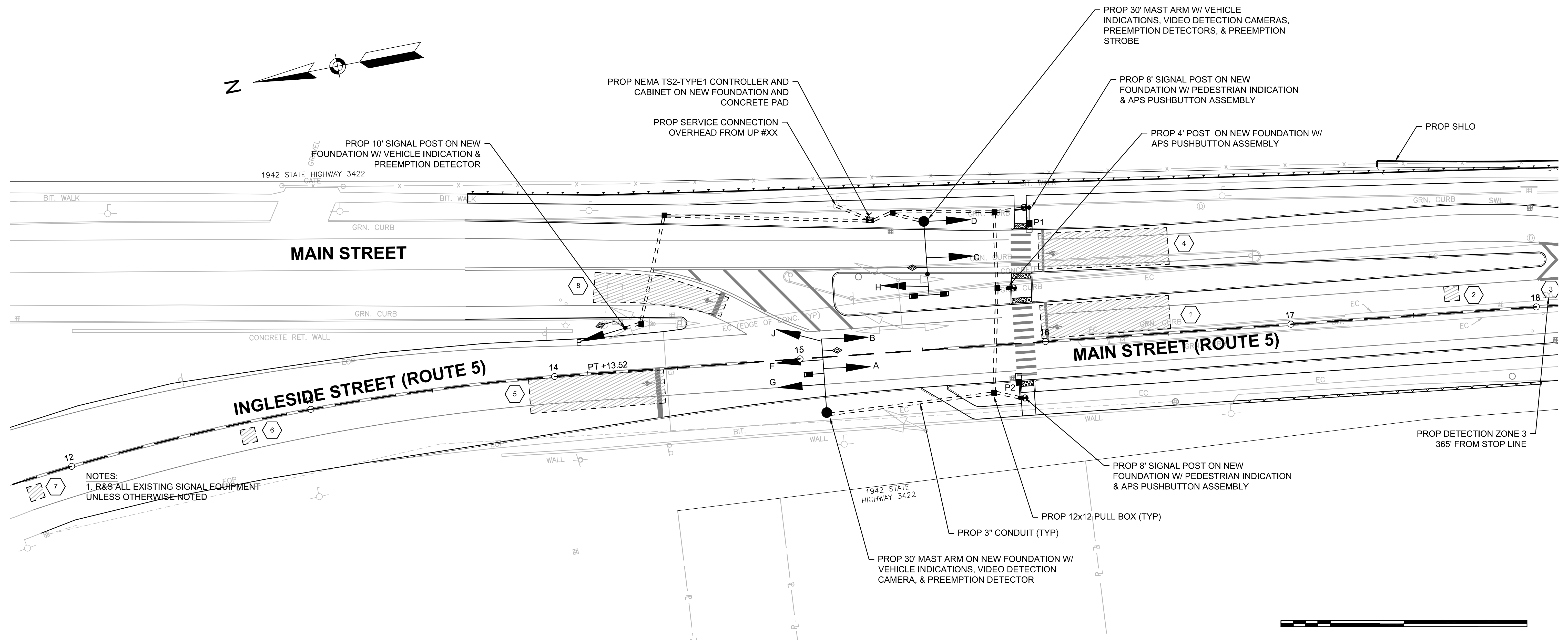
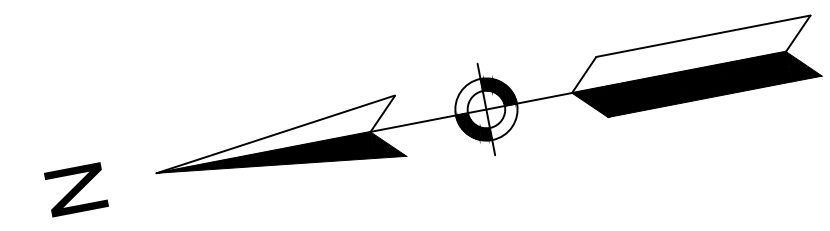


CONTINUED ON SHEET NO. 107



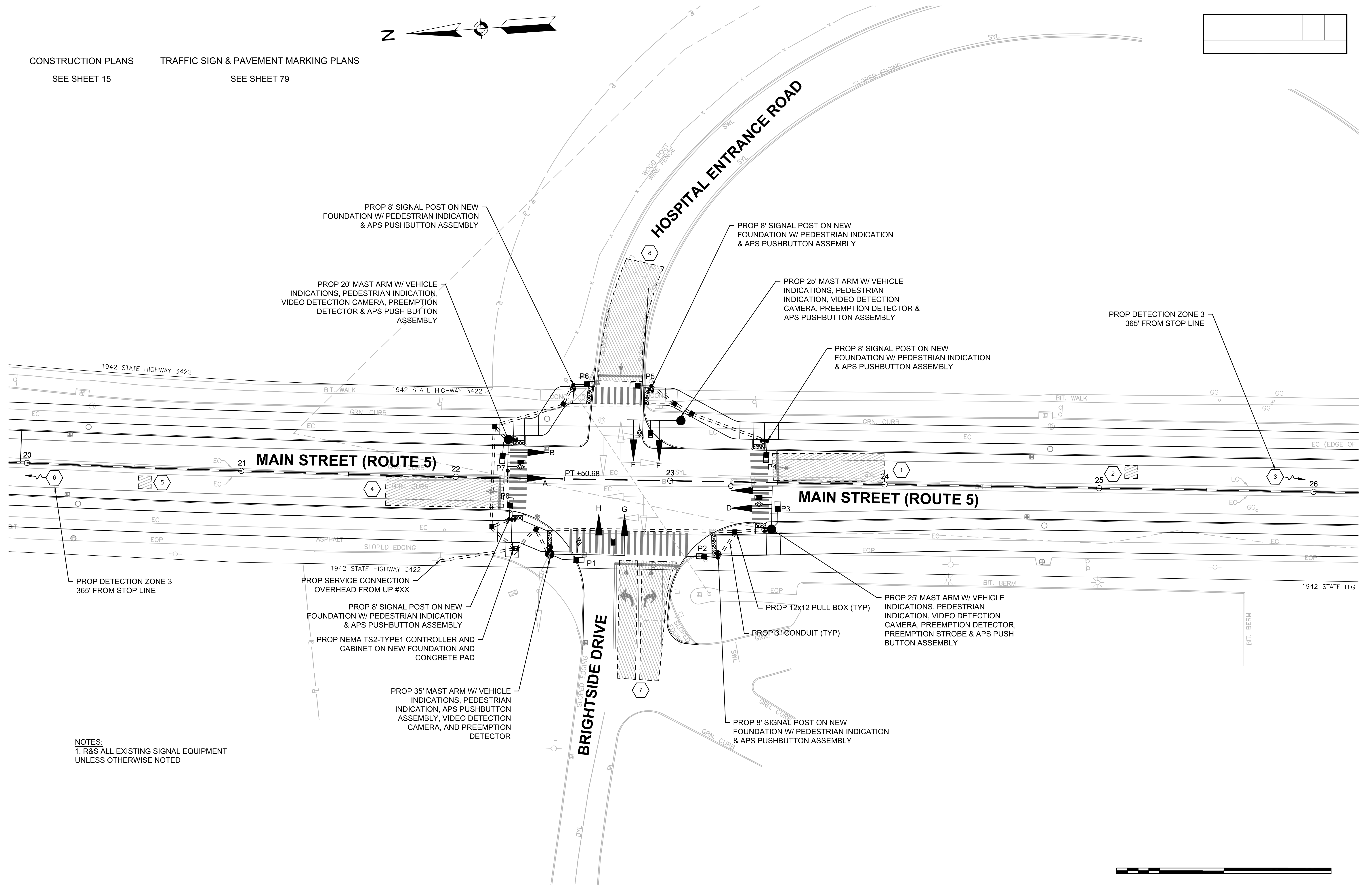
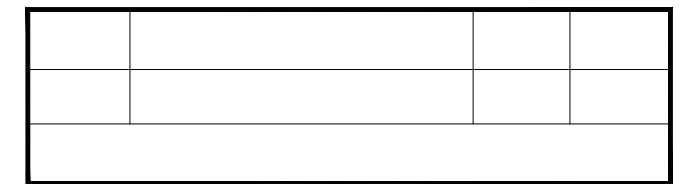
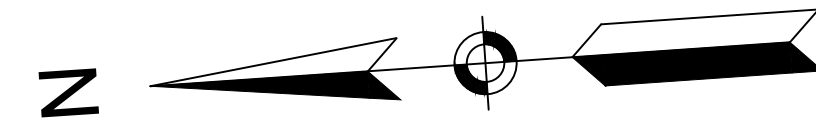
CONSTRUCTION PLANS
SEE SHEET 13

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 77



CONSTRUCTION PLANS
SEE SHEET 15

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 79

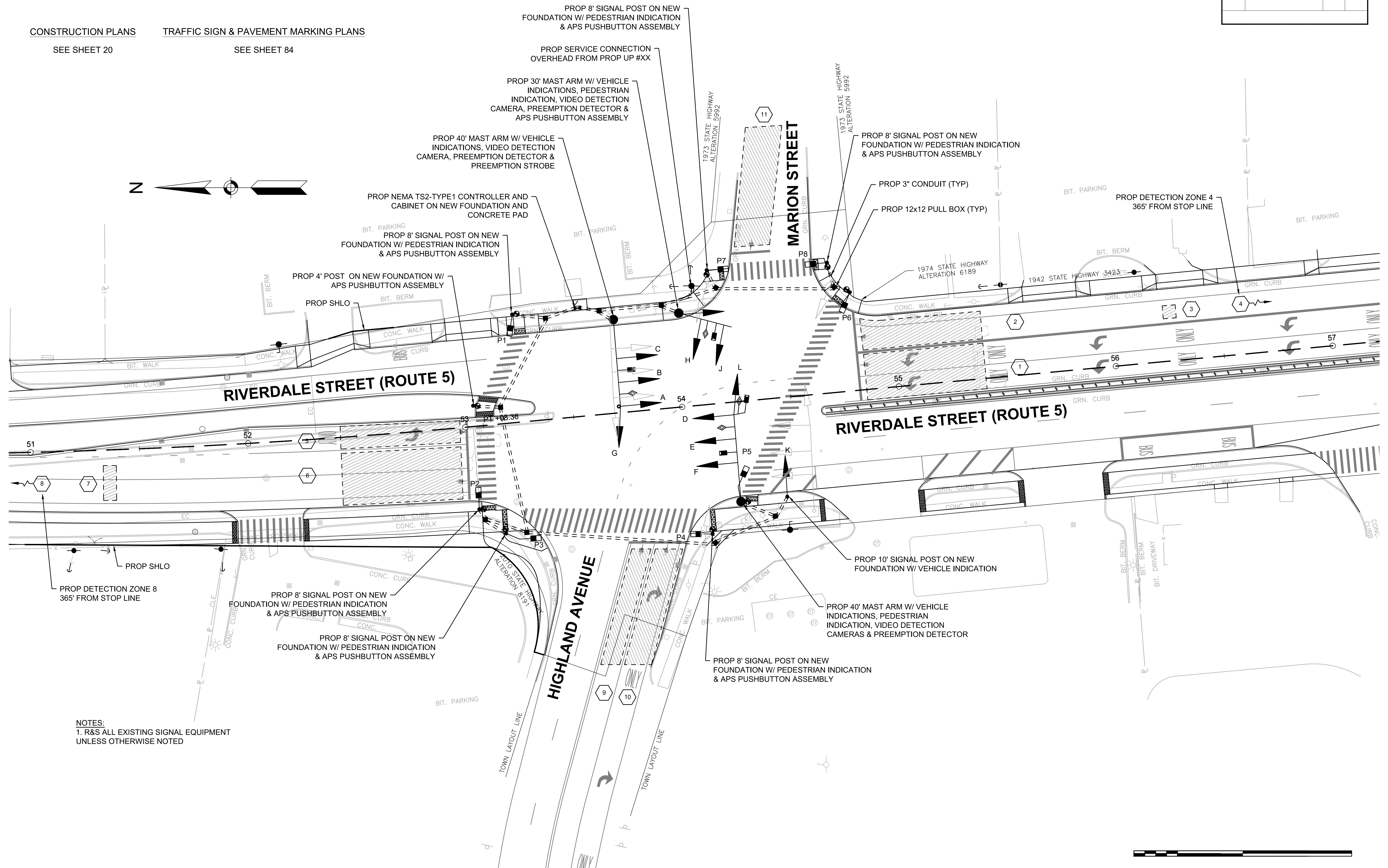
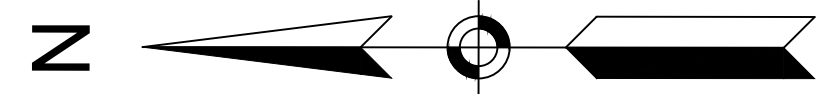


NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED

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CONSTRUCTION PLANS
SEE SHEET 20

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 84

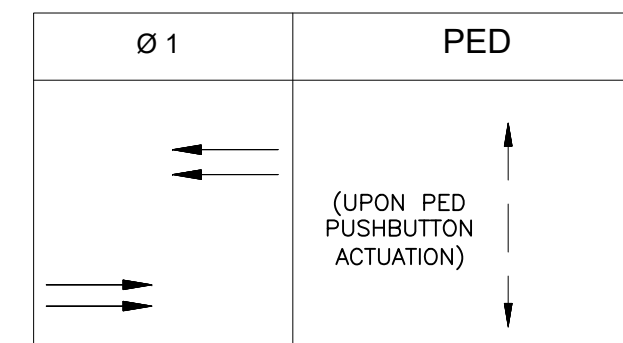
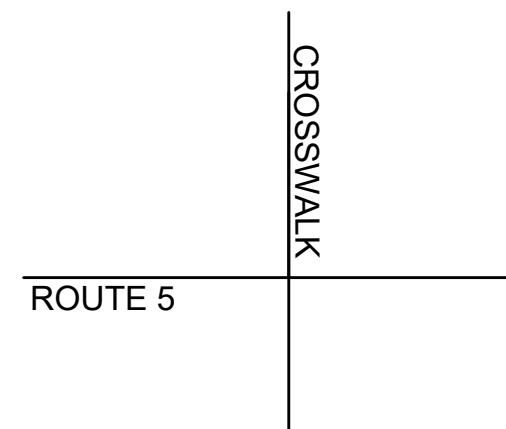


NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED



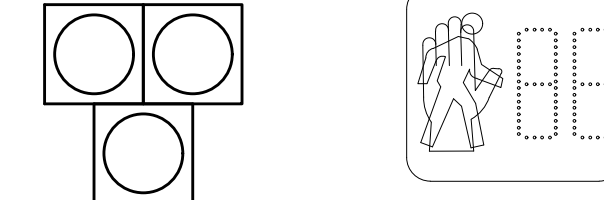
CONSTRUCTION PLANS
SEE SHEET 27

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 91



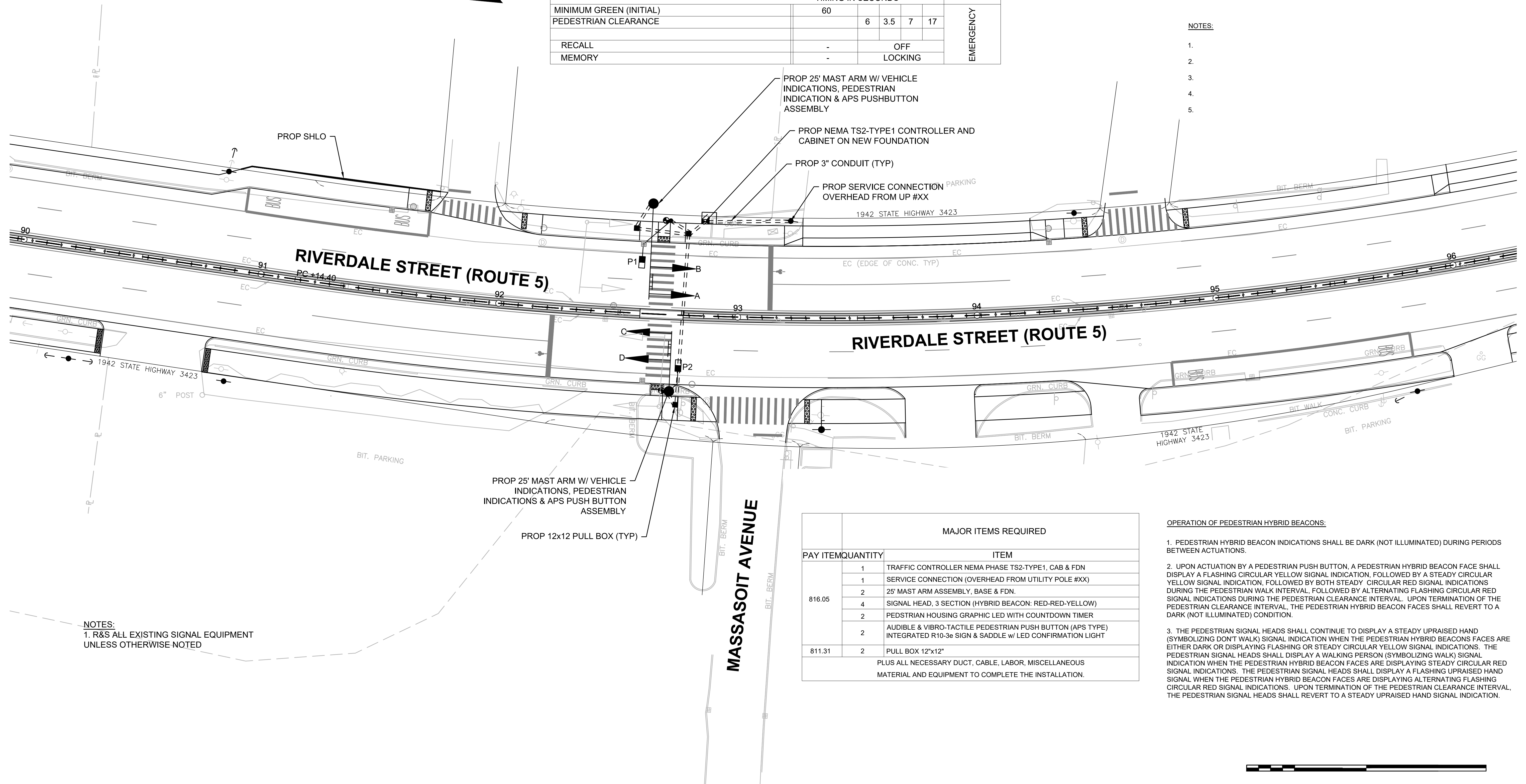
SEQUENCE AND TIMING (ISOLATED)										
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	FLASH OPER.		
ROUTE 5	EB	C,D	DARK	FY	SY	SR	FR	DARK		
ROUTE 5	WB	A,B	DARK	FY	SY	SR	FR	DARK		
PEDESTRIANS	NB-SB	P1,P2	DW	DW	DW	W	FDW	DARK		
MINIMUM GREEN (INITIAL)			TIMING IN SECONDS					EMERGENCY		
PEDESTRIAN CLEARANCE			60	6	3.5	7	17			
RECALL			-				OFF			
MEMORY			-				LOCKING			

LEGEND
SY - STEADY YELLOW
FY - FLASHING YELLOW
SR - STEADY RED
FR - FLASHING RED (ALTERNATING)



NOTES:

- 1.
- 2.
- 3.
- 4.
- 5.



NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT UNLESS OTHERWISE NOTED

MAJOR ITEMS REQUIRED		
PAY ITEM	QUANTITY	ITEM
816.05	1	TRAFFIC CONTROLLER NEMA PHASE TS2-TYPE1, CAB & FDN
	1	SERVICE CONNECTION (OVERHEAD FROM UTILITY POLE #XX)
	2	25' MAST ARM ASSEMBLY, BASE & FDN.
	4	SIGNAL HEAD, 3 SECTION (HYBRID BEACON: RED-RED-YELLOW)
	2	PEDESTRIAN HOUSING GRAPHIC LED WITH COUNTDOWN TIMER
811.31	2	AUDIBLE & VIBRO-TACTILE PEDESTRIAN PUSH BUTTON (APS TYPE) INTEGRATED R10-3e SIGN & SADDLE w/ LED CONFIRMATION LIGHT
	2	PULL BOX 12"x12"
PLUS ALL NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION.		

OPERATION OF PEDESTRIAN HYBRID BEACONS:

1. PEDESTRIAN HYBRID BEACON INDICATIONS SHALL BE DARK (NOT ILLUMINATED) DURING PERIODS BETWEEN ACTUATIONS.
2. UPON ACTUATION BY A PEDESTRIAN PUSH BUTTON, A PEDESTRIAN HYBRID BEACON FACE SHALL DISPLAY A FLASHING CIRCULAR YELLOW SIGNAL INDICATION, FOLLOWED BY A STEADY CIRCULAR YELLOW SIGNAL INDICATION, FOLLOWED BY BOTH STEADY CIRCULAR RED SIGNAL INDICATIONS DURING THE PEDESTRIAN WALK INTERVAL, FOLLOWED BY ALTERNATING FLASHING CIRCULAR RED SIGNAL INDICATIONS DURING THE PEDESTRIAN CLEARANCE INTERVAL. UPON TERMINATION OF THE PEDESTRIAN CLEARANCE INTERVAL, THE PEDESTRIAN HYBRID BEACON FACES SHALL REVERT TO A DARK (NOT ILLUMINATED) CONDITION.
3. THE PEDESTRIAN SIGNAL HEADS SHALL CONTINUE TO DISPLAY A STEADY UPRaised HAND (SYMBOLIZING DON'T WALK) SIGNAL INDICATION WHEN THE PEDESTRIAN HYBRID BEACONS FACES ARE EITHER DARK OR DISPLAYING FLASHING OR STEADY CIRCULAR YELLOW SIGNAL INDICATIONS. THE PEDESTRIAN SIGNAL HEADS SHALL DISPLAY A WALKING PERSON (SYMBOLIZING WALK) SIGNAL INDICATION WHEN THE PEDESTRIAN HYBRID BEACON FACES ARE DISPLAYING STEADY CIRCULAR RED SIGNAL INDICATIONS. THE PEDESTRIAN SIGNAL HEADS SHALL DISPLAY A FLASHING UPRaised HAND SIGNAL WHEN THE PEDESTRIAN HYBRID BEACON FACES ARE DISPLAYING ALTERNATING FLASHING CIRCULAR RED SIGNAL INDICATIONS. UPON TERMINATION OF THE PEDESTRIAN CLEARANCE INTERVAL, THE PEDESTRIAN SIGNAL HEADS SHALL REVERT TO A STEADY UPRaised HAND SIGNAL INDICATION.

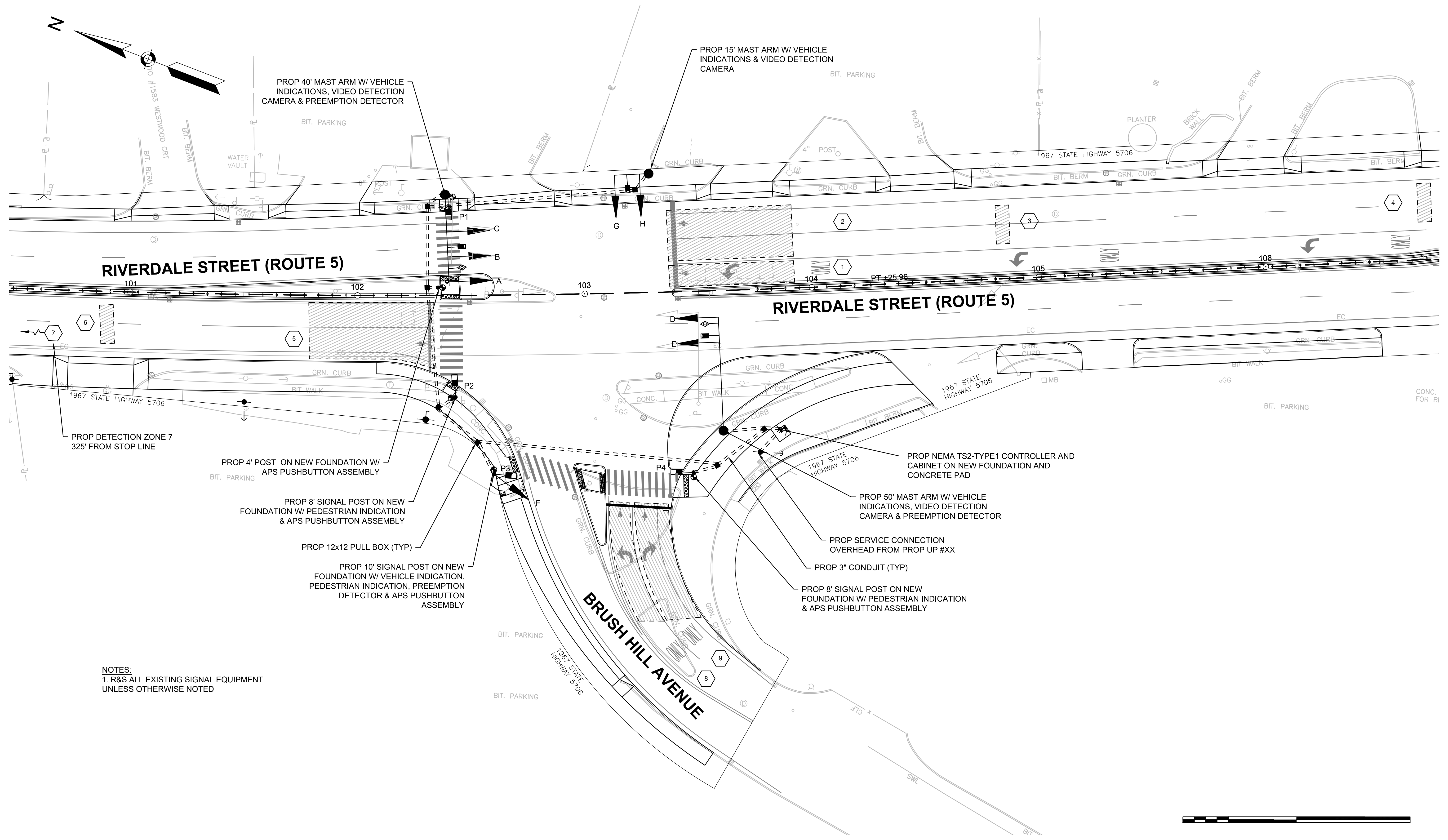
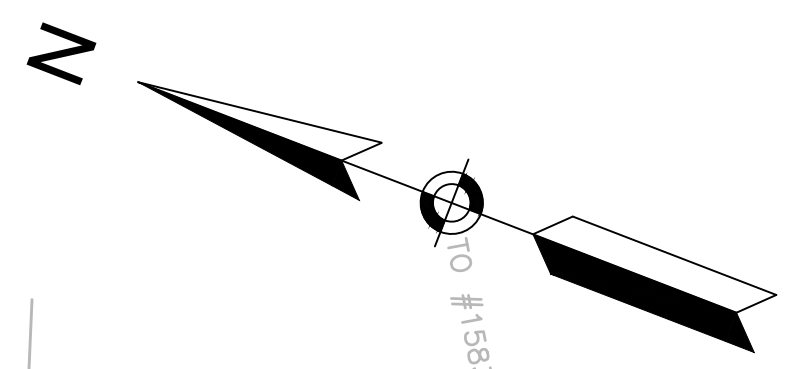
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CONSTRUCTION PLANS

TRAFFIC SIGN & PAVEMENT MARKING PLANS

SEE SHEET 29

SEE SHEET 93

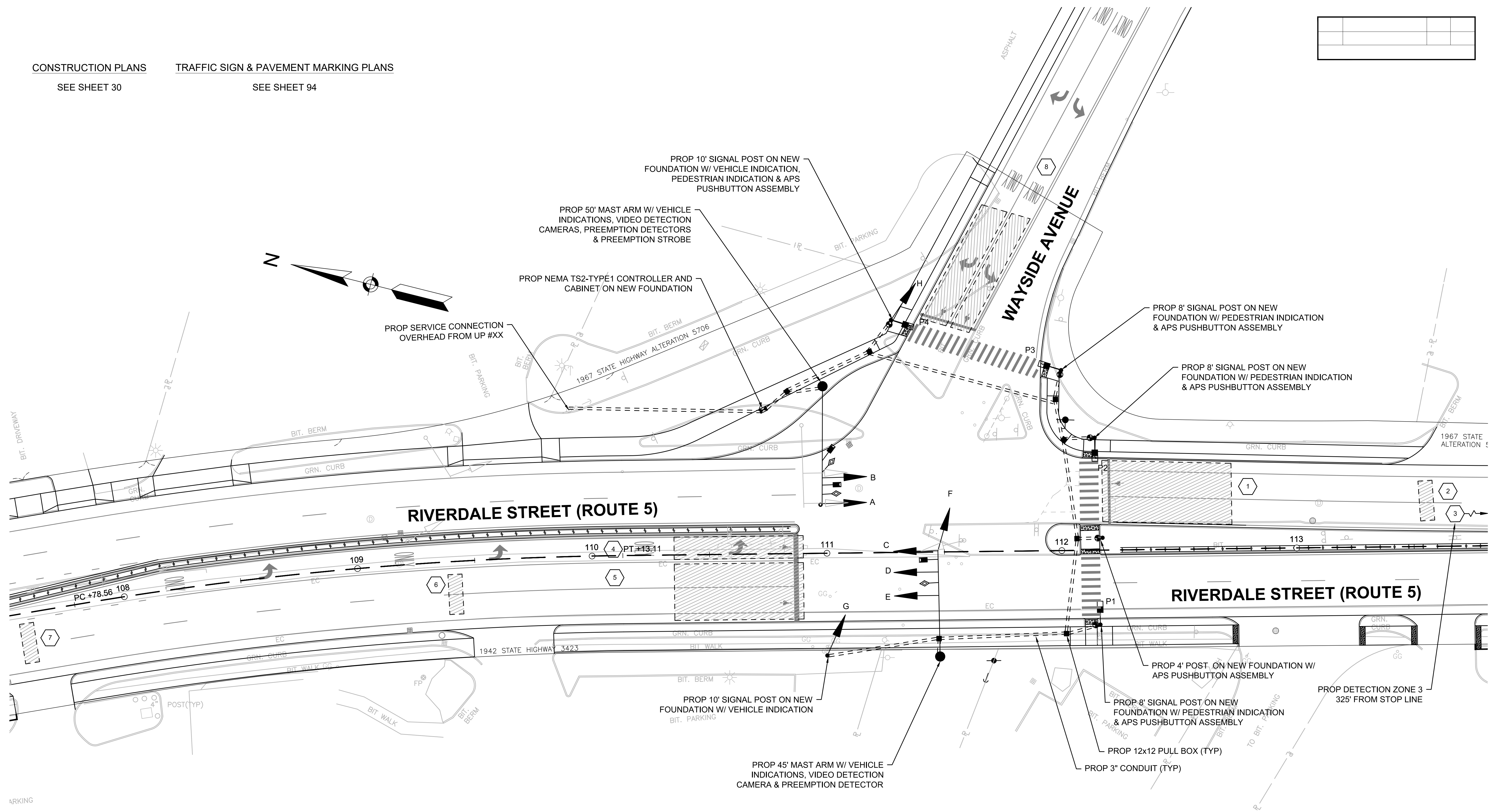


NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED



CONSTRUCTION PLANS
SEE SHEET 30

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 94

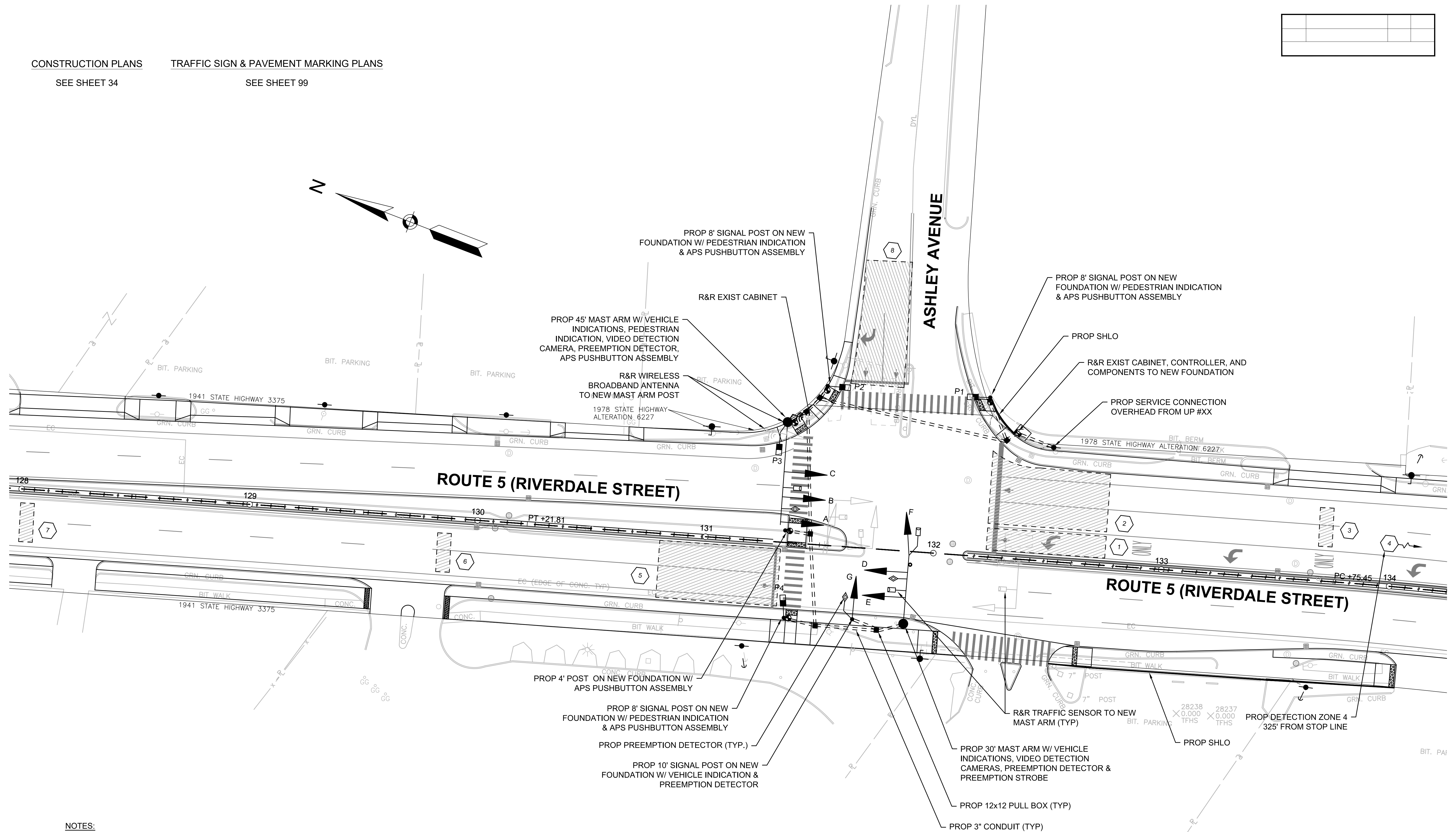
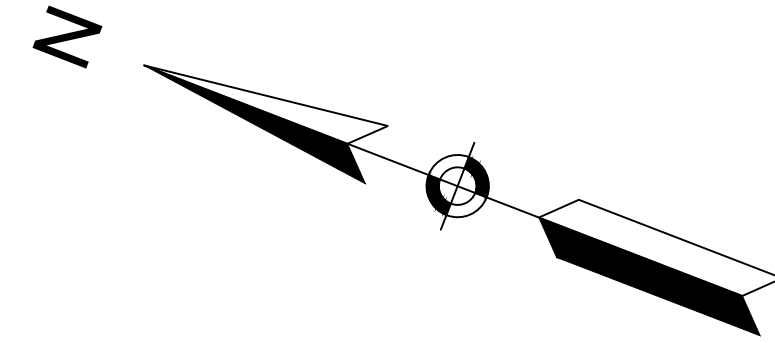


NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED



CONSTRUCTION PLANS
SEE SHEET 34

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 99

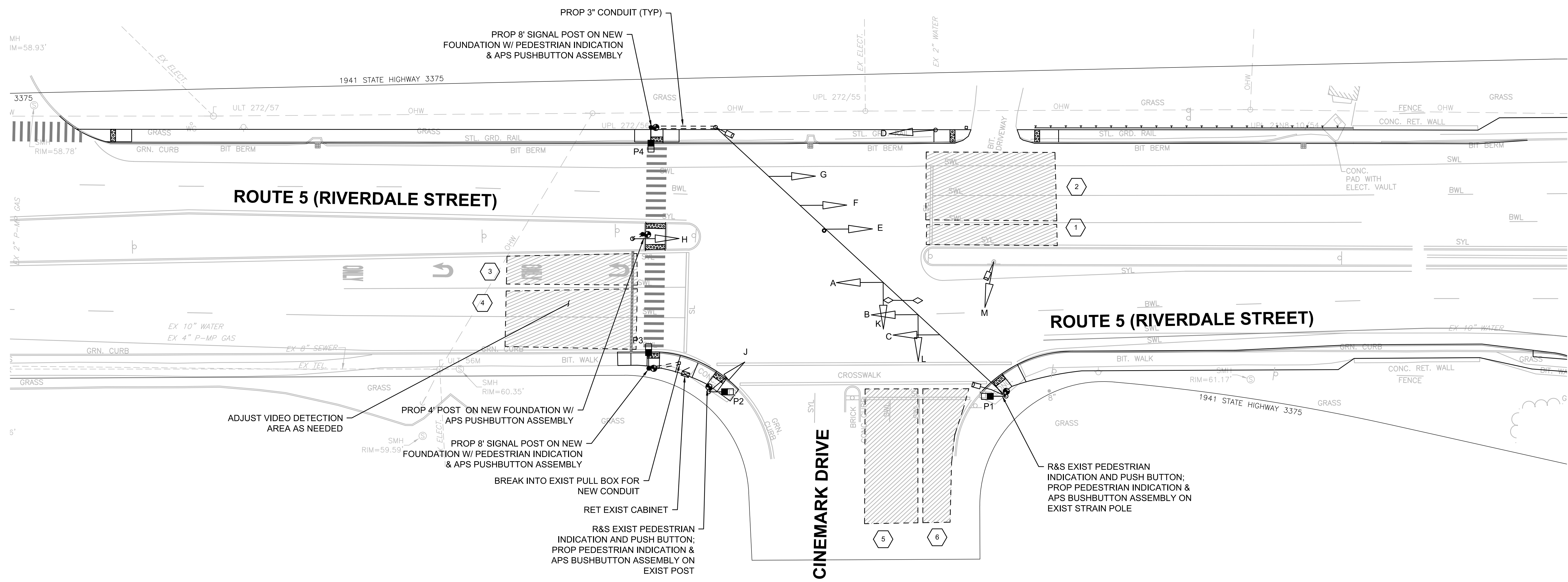
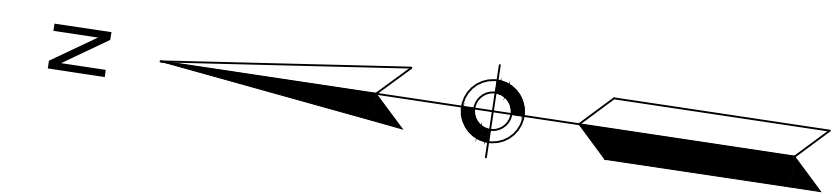


NOTES:
1. R&S ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED



CONSTRUCTION PLANS
SEE SHEET 36

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 100



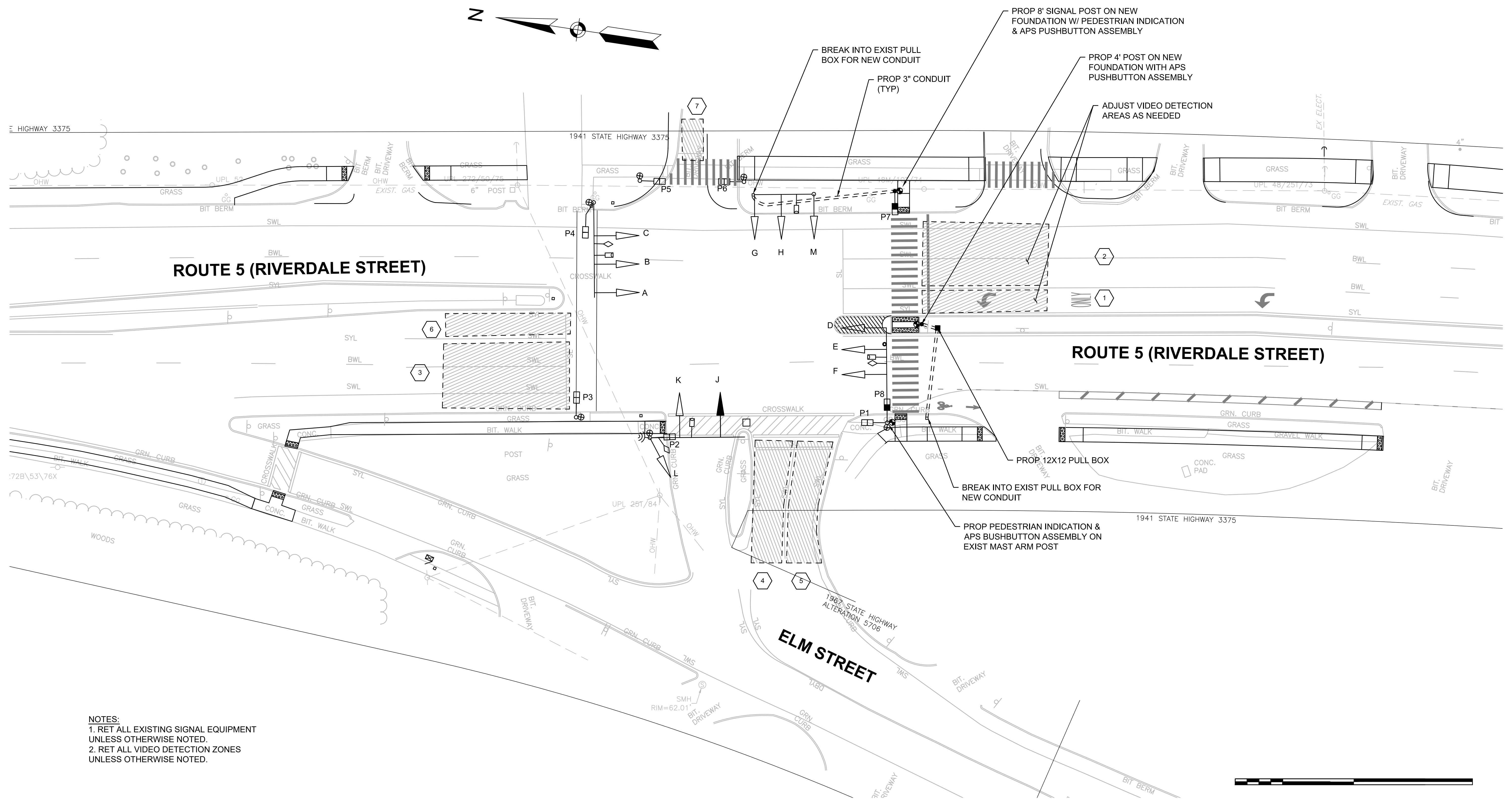
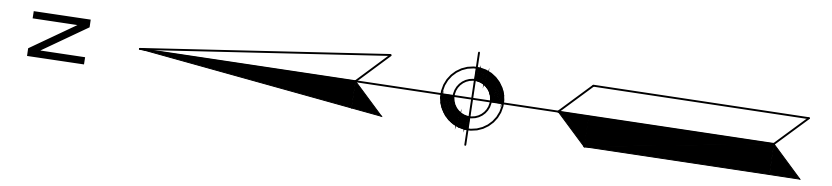
- NOTES:**
1. RET ALL EXISTING SIGNAL EQUIPMENT UNLESS OTHERWISE NOTED.
 2. RET ALL VIDEO DETECTION ZONES UNLESS OTHERWISE NOTED.



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CONSTRUCTION PLANS
SEE SHEET 37

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 101

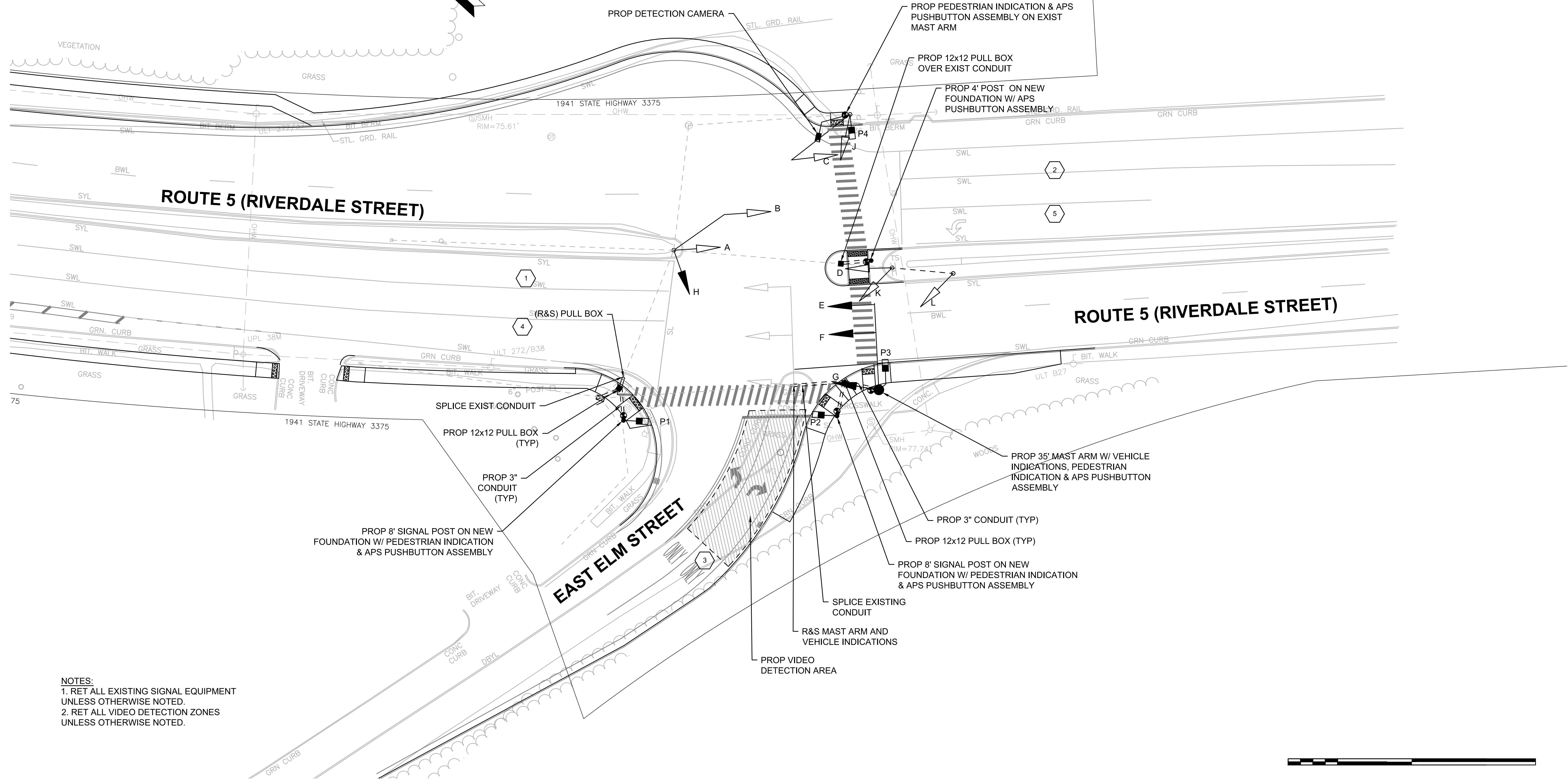
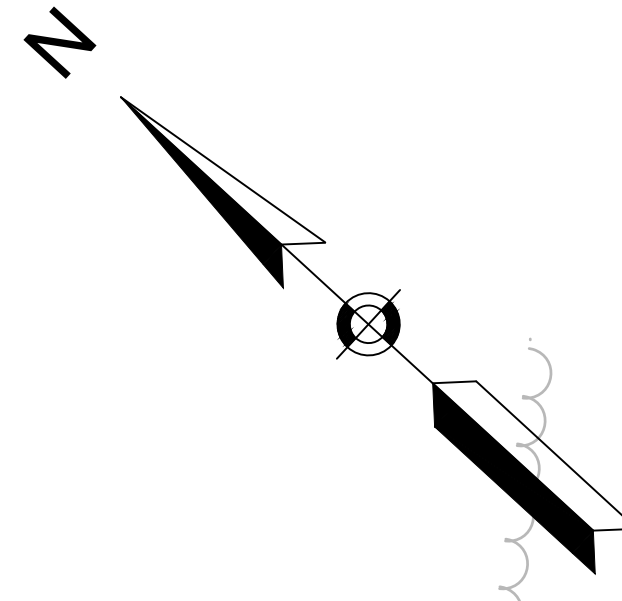


NOTES:
1. RET ALL EXISTING SIGNAL EQUIPMENT
UNLESS OTHERWISE NOTED.
2. RET ALL VIDEO DETECTION ZONES
UNLESS OTHERWISE NOTED.



CONSTRUCTION PLANS
SEE SHEET 44

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SEE SHEET 108



NOTES:
1. RET ALL EXISTING SIGNAL EQUIPMENT UNLESS OTHERWISE NOTED.
2. RET ALL VIDEO DETECTION ZONES UNLESS OTHERWISE NOTED.

