

HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)
 STA 5+60 LT TO STA 7+45 LT (IMPACT ATT.)
 STA 2+50 TO STA 9+20
 STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)
 RAMP A&B STA 19+35 LT (TERM) TO RAMP A&B STA 21+41 LT
 STA 6+05 RT TO STA 10+12 RT

DRAINAGE DETAILS

SEE SHEET NO. 89

WATER SUPPLY ALTERATIONS

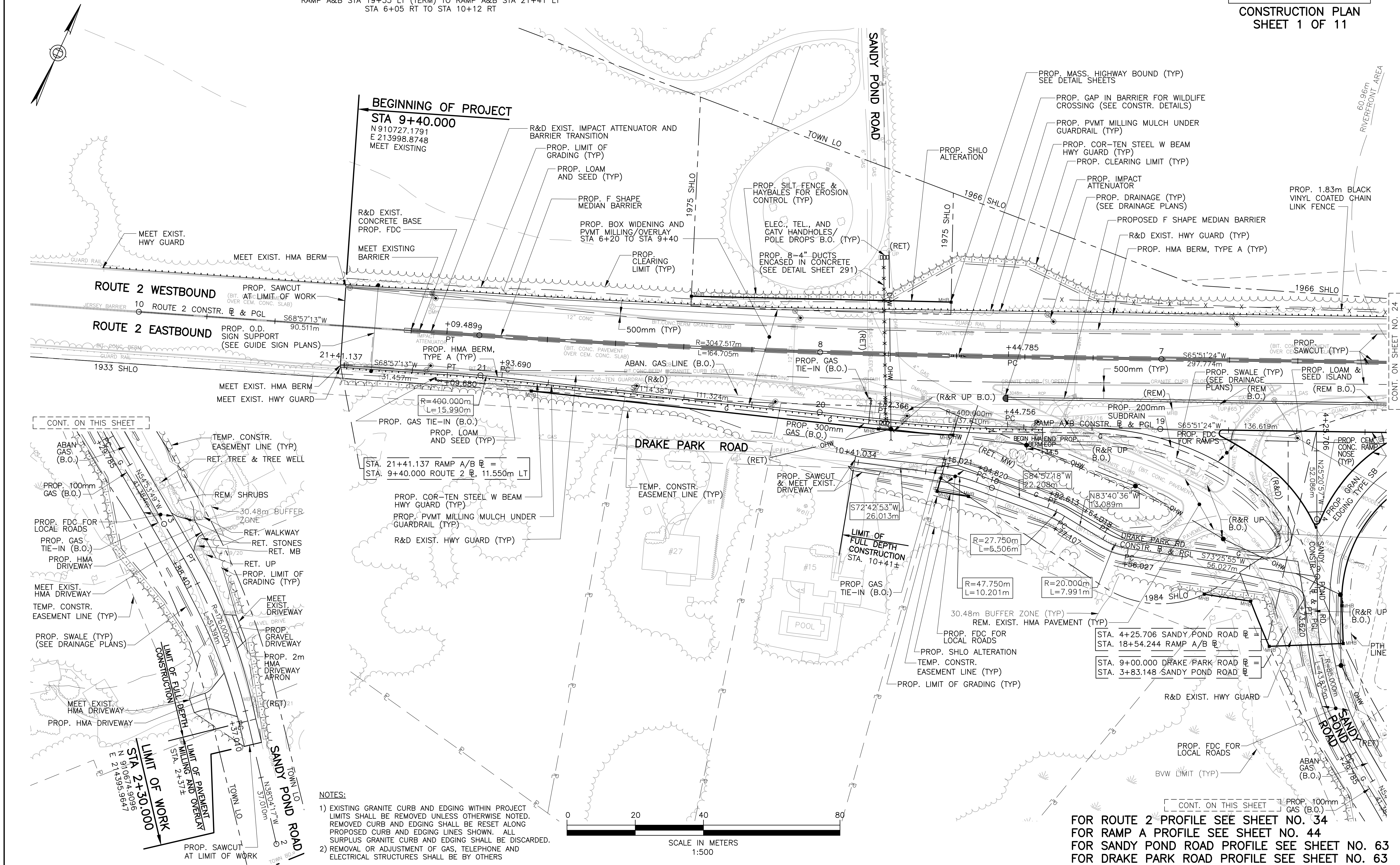
NONE

LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	HS-0025(311) GM-0025(311) SIP-0025(311)	23	445
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN SHEET 1 OF 11



HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER — DOUBLE FACED (TALL)
STA 2+50 TO STA 9+20
STA 5+60 LT TO STA 7+45 LT
PRECAST CONCRETE BARRIER — SINGLE FACED (TALL)
STA 15+49 RT (RAMP A&B) TO STA 17+15 RT (RAMP A&B)
ASYMMETRICAL CONCRETE MEDIAN BARRIER (TALL)
STA 5+23 LT TO STA 5+60 LT

HIGHWAY GUARD DETAILS (CONT.)

STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)
RAMP A&B STA 18+02 LT TO RAMP A&B STA 18+08 LT (FE)
RAMP C STA 32+15 RT (TERM) TO RAMP C STA 34+35
STA 6+05 RT TO STA 10+12 RT
SERVICE ROAD 4 STA 19+60 LT TO RAMP A&B STA 15+08 LT
CF-PL3 BARRIER, BRIDGE MEDIAN BARRIER
SEE WALL AND BRIDGE PLANS

DRAINAGE DETAILS

SEE SHEET NO. 90

WATER SUPPLY ALTERATIONS

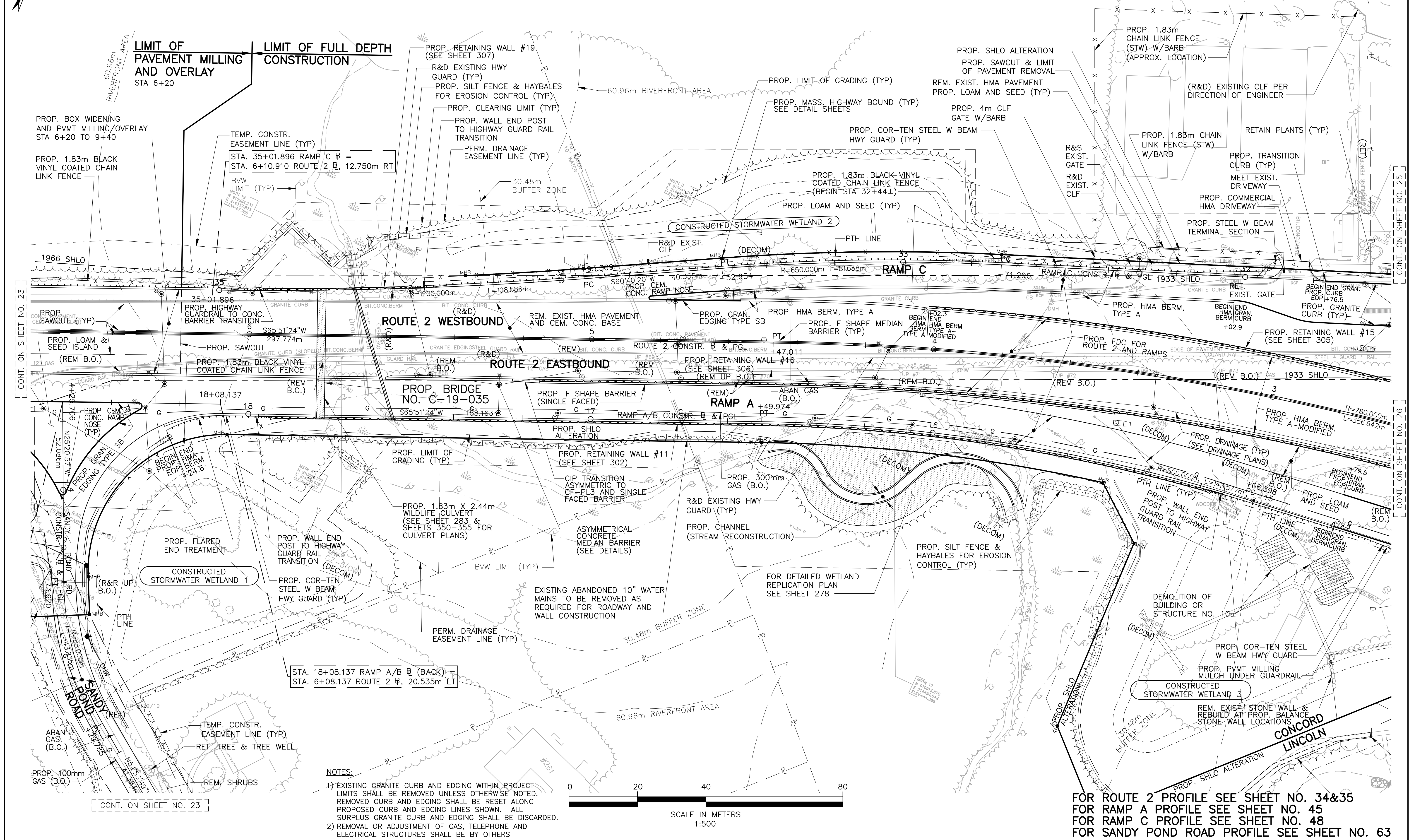
NONE

LINCOLN — CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	MS-00293(11) GM-00293(11) STP-00293(11)	24	445
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN SHEET 2 OF 11

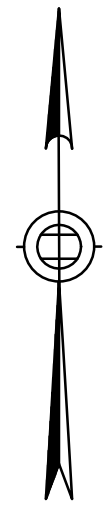


NOTES:

- EXISTING GRANITE CURB AND EDGING WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. REMOVED CURB AND EDGING SHALL BE RESET ALONG PROPOSED CURB AND EDGING LINES SHOWN. ALL SURPLUS GRANITE CURB AND EDGING SHALL BE DISCARDED.
- REMOVAL OR ADJUSTMENT OF GAS, TELEPHONE AND ELECTRICAL STRUCTURES SHALL BE BY OTHERS

FOR ROUTE 2 PROFILE SEE SHEET NO. 34&35
FOR RAMP A PROFILE SEE SHEET NO. 45
FOR RAMP C PROFILE SEE SHEET NO. 48
FOR SANDY POND ROAD PROFILE SEE SHEET NO. 63

G:\PROJECTS\1429 RT 2\CAD\100\CONSTRUCTION PLANS.dwg, CON-03, 11/01/12 3:32:10 PM, c:\wyer



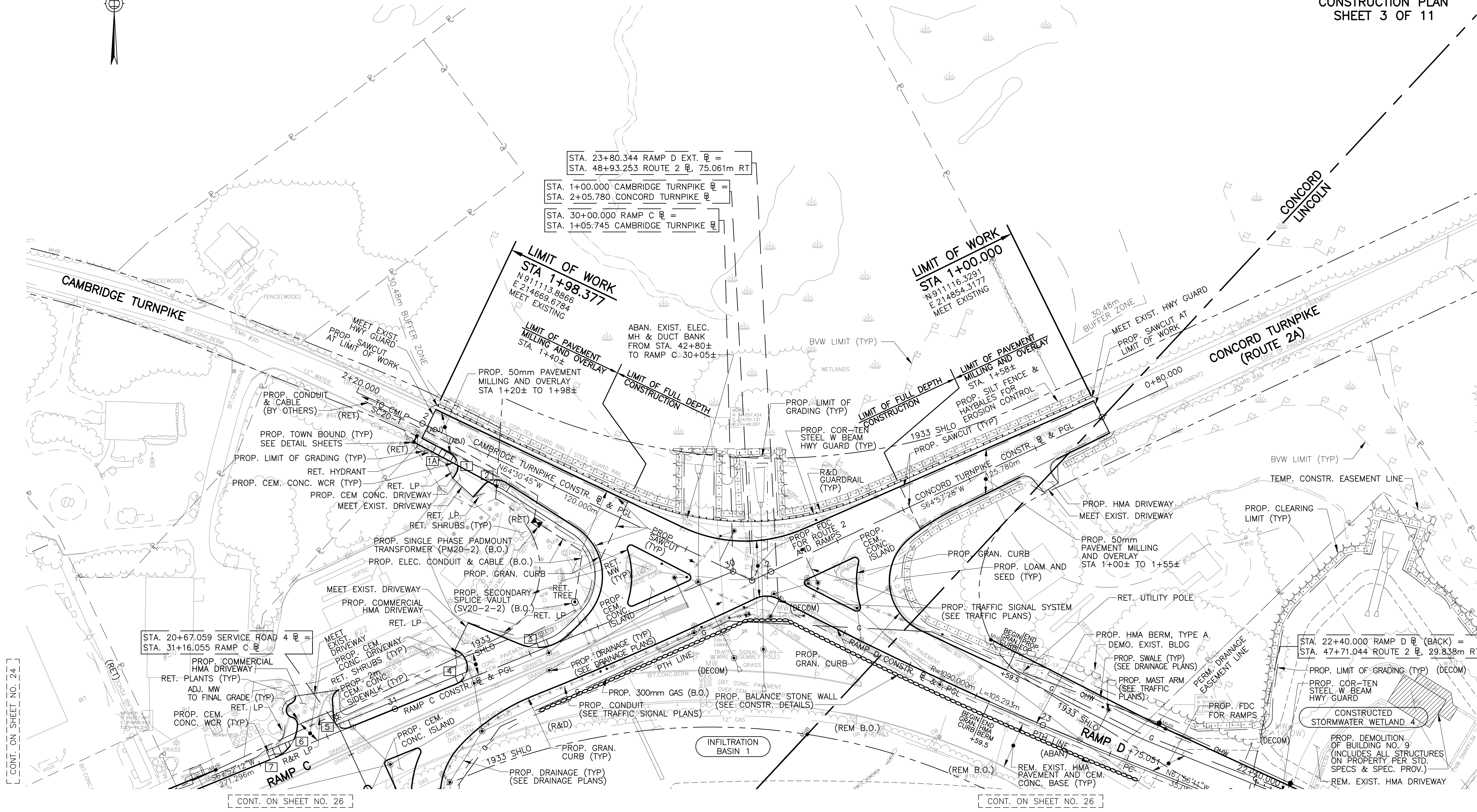
HIGHWAY GUARD DETAILS
CONCORD TPKE STA 1+00 RT TO CAMBRIDGE TPKE STA 1+98 RT

DRAINAGE DETAILS
SEE SHEET NO. 91

TRAFFIC SIGNAL CONDUIT
SEE BELOW AND SHEET NO. 158

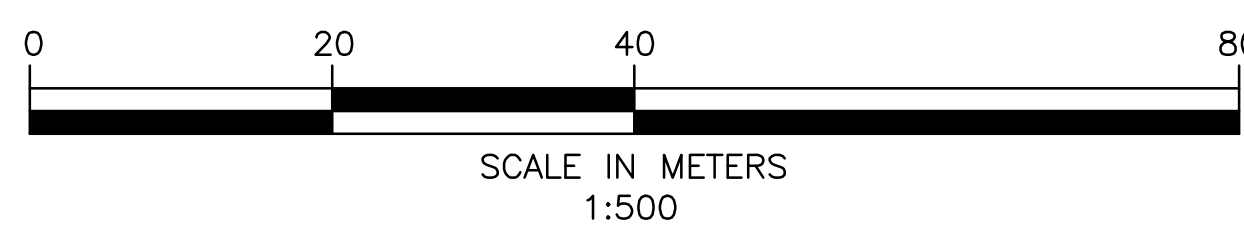
WATER SUPPLY ALTERATIONS
NONE

LINCOLN - CONCORD			
ROUTE 2			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	HS-0025(311) GM-0025(311) STP-0025(311)	25	445
PROJECT FILE NO. 602984			
CONSTRUCTION PLAN			
SHEET 3 OF 11			



LEGEND
[Symbol] WHEELCHAIR RAMP

- NOTES:**
- EXISTING GRANITE CURB AND EDGING WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. REMOVED CURB AND EDGING SHALL BE RESET ALONG PROPOSED CURB AND EDGING LINES SHOWN. ALL SURPLUS GRANITE CURB AND EDGING SHALL BE DISCARDED.
 - REMOVAL OR ADJUSTMENT OF GAS, TELEPHONE AND ELECTRICAL STRUCTURES SHALL BE BY OTHERS



FOR RAMP C PROFILE SEE SHEET NO. 49
FOR RAMP D PROFILE SEE SHEET NO. 50

HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)

STA 32+97 TO STA 1+94

STA 2+50 TO STA 9+20

PRECAST CONCRETE BARRIER - SINGLE FACED (TALL)

RAMP A/B STA 8+95 LT TO RAMP A/B STA 12+10 LT

RAMP A/B STA 12+13 RT TO RAMP A/B STA 13+20 RT

ASYMMETRICAL CONCRETE MEDIAN BARRIER (TALL)

STA 47+23 LT TO STA 47+60 LT

STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)

STA 47+65 RT (FE) TO STA 1+60 RT

SERVICE ROAD 4 STA 19+60 LT (TERM) TO RAMP A/B STA 15+08 LT

RAMP D STA 21+44 RT (FE) TO RAMP D STA 22+40 RT (TERM)

STA. 20+67.059 SERVICE ROAD 4 E
STA. 31+16.055 RAMP C E

PROP. COMMERCIAL
HMA DRIVEWAY

RET. PLANTS (TYP)

ADJ. MW
TO FINAL GRADE (TYP)

RET. LP

PROP. CEM.
CONC. WCR (TYP)

PROP. CEM.
CONC. (TYP)

PROP. LIMIT OF
GRADING (TYP)

TEMP. CONSTR.
EASEMENT LINE (TYP)

PERM. DRAINAGE
EASEMENT LINE (TYP)

PROP. LIMIT OF
GRADING (TYP)

PROP. CEM.
CONC. WCR (TYP)

PROP. CEM.
CONC. (TYP)

PROP. LIMIT OF
GRADING (TYP)

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CONC. WCR (TYP)

PROP. CEM.
CONC. (TYP)

PROP. LIMIT OF
GRADING (TYP)

HIGHWAY GUARD DETAILS (CONT.)

CF-PL3 BARRIER, BRIDGE MEDIAN BARRIER

SEE WALL AND BRIDGE PLANS

STEEL BACKED WOOD GUARDRAIL

SERVICE ROAD 4 STA 14+30 RT TO SERVICE ROAD 4 STA 18+62 RT

DRAINAGE DETAILS

SEE SHEET NO. 92

WATER SUPPLY ALTERATIONS

NONE

TRAFFIC SIGNAL CONDUIT

SEE BELOW AND SHEET NO. 160

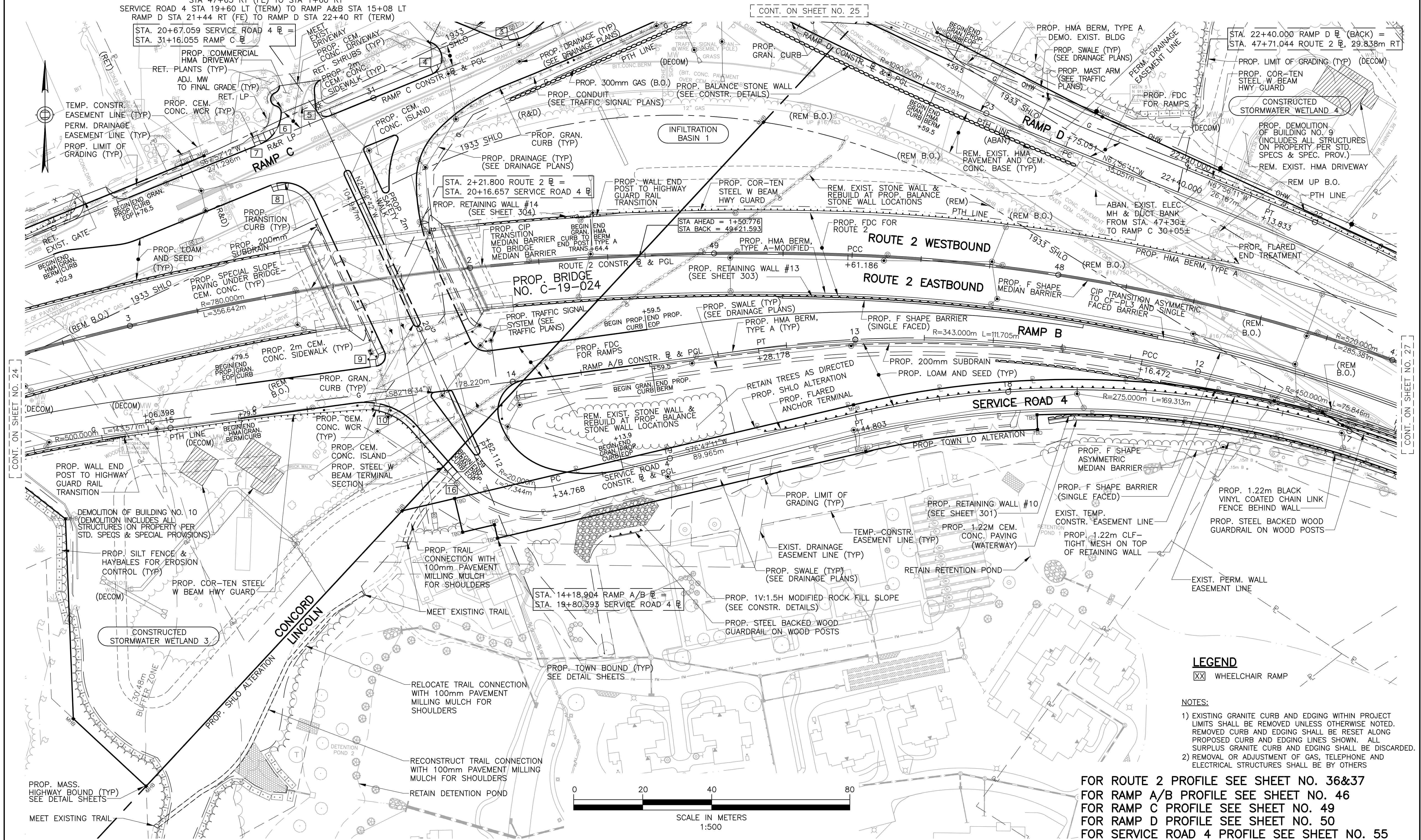
LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	HS-0025(311) GM-0025(311) SIP-0025(311)	26	445

PROJECT FILE NO. 602984

CONSTRUCTION PLAN SHEET 4 OF 11



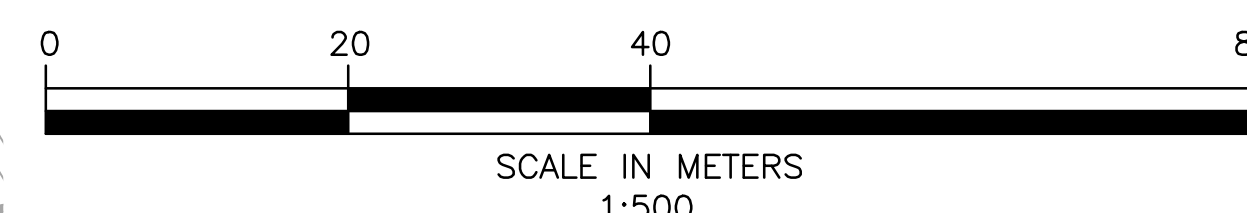
LEGEND

WHEELCHAIR RAMP

NOTES:

- EXISTING GRANITE CURB AND EDGING WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. REMOVED CURB AND EDGING SHALL BE RESET ALONG PROPOSED CURB AND EDGING LINES SHOWN. ALL SURPLUS GRANITE CURB AND EDGING SHALL BE DISCARDED.
- REMOVAL OR ADJUSTMENT OF GAS, TELEPHONE AND ELECTRICAL STRUCTURES SHALL BE BY OTHERS

FOR ROUTE 2 PROFILE SEE SHEET NO. 36&37
FOR RAMP A/B PROFILE SEE SHEET NO. 46
FOR RAMP C PROFILE SEE SHEET NO. 49
FOR RAMP D PROFILE SEE SHEET NO. 50
FOR SERVICE ROAD 4 PROFILE SEE SHEET NO. 55



HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)

STA 32+97 TO STA 1+94
STA 42+20 LT TO STA 44+43 LT
STA 45+95 LT TO STA 47+23 LT

PRECAST CONCRETE BARRIER - SINGLE FACED (TALL)

STA 43+36 RT TO STA 43+82 RT
RAMP A&B STA 8+95 LT TO RAMP A&B STA 12+10 LT
STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)

RAMP D STA 21+44 RT (FE) TO RAMP D STA 22+40 RT (TERM)

STEEL BACKED WOOD GUARDRAIL

SERVICE ROAD 1 STA 10+39 LT TO SERVICE ROAD 1 STA 14+58 LT

SERVICE ROAD 4 STA 12+97 LT (FAT) TO SERVICE ROAD 4 STA 13+40 LT (FAT)

SERVICE ROAD 4 STA 14+10 RT TO SERVICE ROAD 4 STA 18+62 RT (FAT)

DRAINAGE DETAILS

SEE SHEET NO. 93

WATER SUPPLY ALTERATIONS

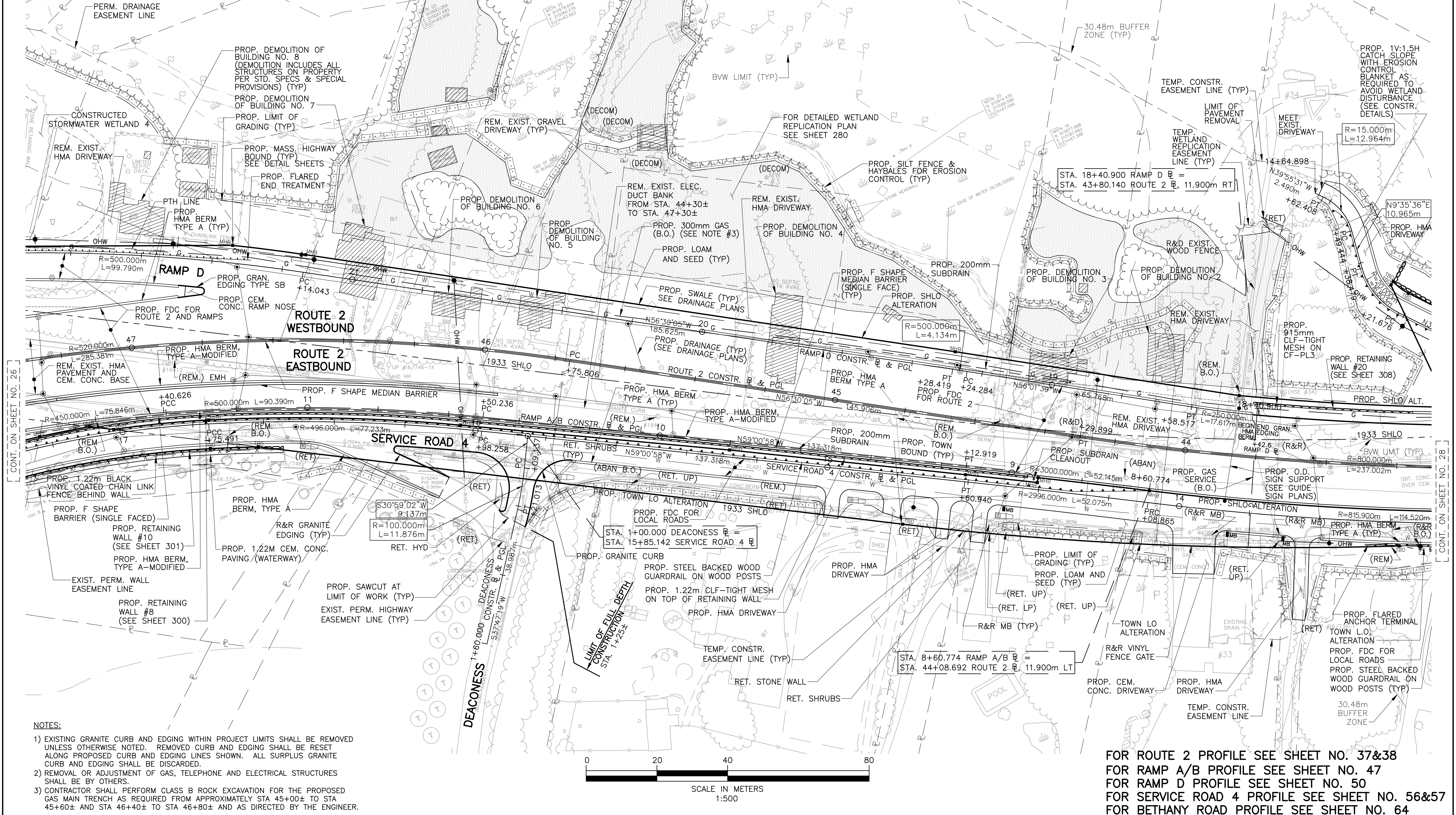
SEE SHEET NO. 257

LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	HS-0025(311) GM-0025(311) SIP-0025(311)	27	445

PROJECT FILE NO. 602984
CONSTRUCTION PLAN
SHEET 5 OF 11



HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)

STA 32+97 TO STA 1+94
STA 38+68 RT TO STA 40+55 RT
STA 40+80 LT TO STA 41+00 LT
STA 43+00 RT TO STA 43+36 RT
STA 42+20 LT TO STA 44+43 LT

PRECAST CONCRETE BARRIER - SINGLE FACED (TALL)

STA 40+55 RT TO STA 41+01.7 RT
STA 41+00 LT TO STA 42+20 LT

CAST-IN-PLACE CONCRETE BARRIER - SINGLE FACED

STA 41+01.7 RT TO STA 43+00 RT

STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)

STA 37+88 LT TO STA 40+72 LT

STEEL BACKED WOOD GUARDRAIL

SERVICE ROAD 1 STA 10+39 LT TO SERVICE ROAD 1 STA 14+58 LT
SERVICE ROAD 1 STA 11+45 RT TO SERVICE ROAD 1 STA 11+52 RT
SERVICE ROAD 4 STA 12+73 LT TO SERVICE ROAD 4 STA 12+98 LT
SERVICE ROAD 4 STA 12+97 LT (FAT) TO SERVICE ROAD 4 STA 13+40 LT (FAT)

DRAINAGE DETAILS

SEE SHEET NO. 94

WATER SUPPLY ALTERATIONS

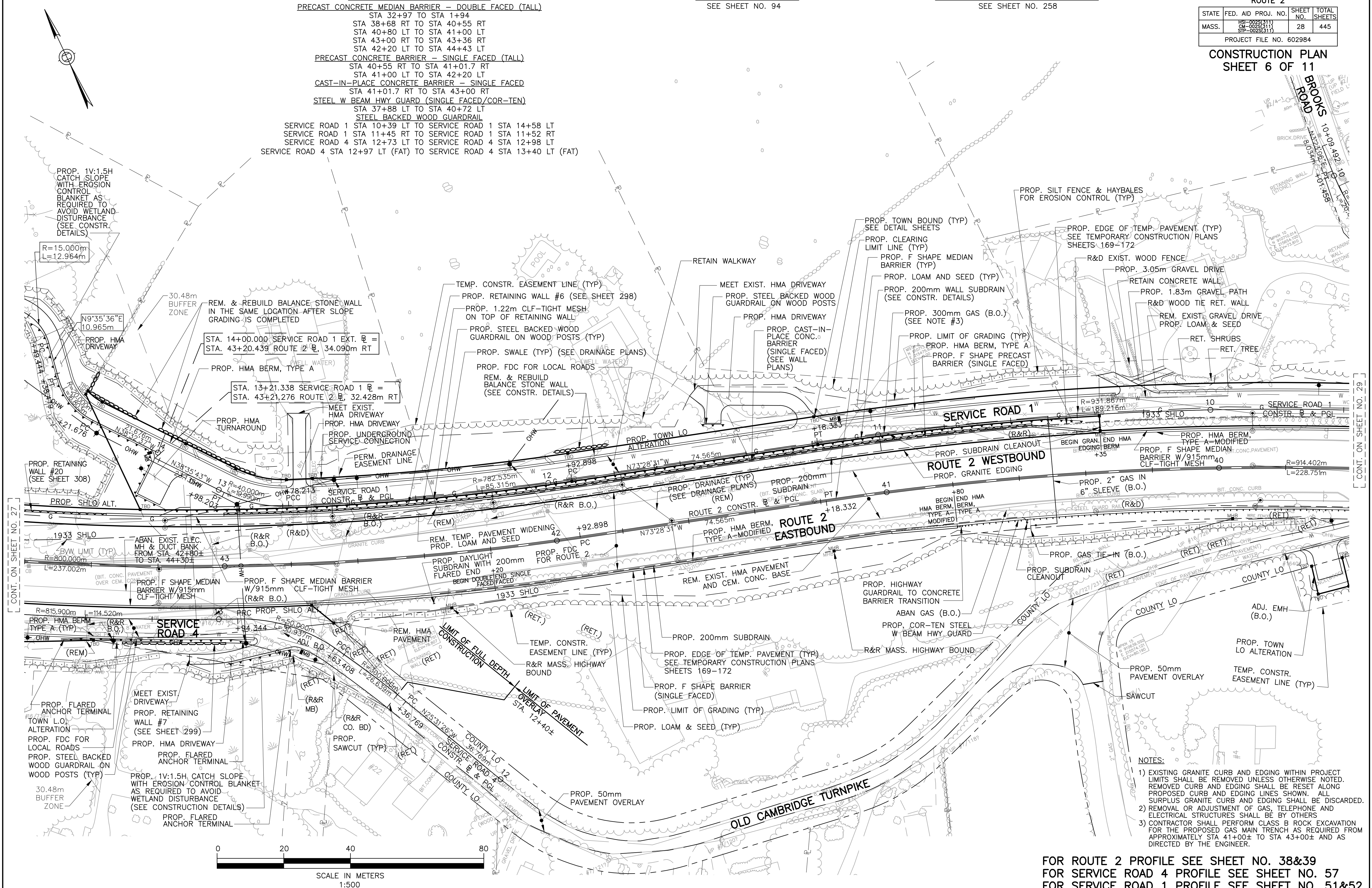
SEE SHEET NO. 258

LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	MS-0023(311) CW-0023(311) STP-0023(311)	28	445
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN SHEET 6 OF 11



- NOTES:
- EXISTING GRANITE CURB AND EDGING WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. REMOVED CURB AND EDGING SHALL BE RESET ALONG PROPOSED CURB AND EDGING LINES SHOWN. ALL SURPLUS GRANITE CURB AND EDGING SHALL BE DISCARDED.
 - REMOVAL OR ADJUSTMENT OF GAS, TELEPHONE AND ELECTRICAL STRUCTURES SHALL BE BY OTHERS.
 - CONTRACTOR SHALL PERFORM CLASS B ROCK EXCAVATION FOR THE PROPOSED GAS MAIN TRENCH AS REQUIRED FROM APPROXIMATELY STA 41+00± TO STA 43+00± AND AS DIRECTED BY THE ENGINEER.

FOR ROUTE 2 PROFILE SEE SHEET NO. 38&39
FOR SERVICE ROAD 4 PROFILE SEE SHEET NO. 57
FOR SERVICE ROAD 1 PROFILE SEE SHEET NO. 51&52

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	HS-0025(311) GM-0025(311) STP-0025(311)	29	445
PROJECT FILE NO. 602984			

HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER — DOUBLE FACED (TALL)
STA 32+97 TO STA 14+94
STA 36+30 RT TO STA 38+43 RT
STA 36+88 LT TO STA 37+18 LT (IMPACT ATT.)
STA 37+27 LT TO STA 37+80 LT
STA 38+56 RT (IMPACT ATT.) TO STA 40+55 RT
PRECAST CONCRETE BARRIER — SINGLE FACED (TALL)
STA 33+80 LT TO STA 36+88 LT

HIGHWAY GUARD DETAILS (CONT.)

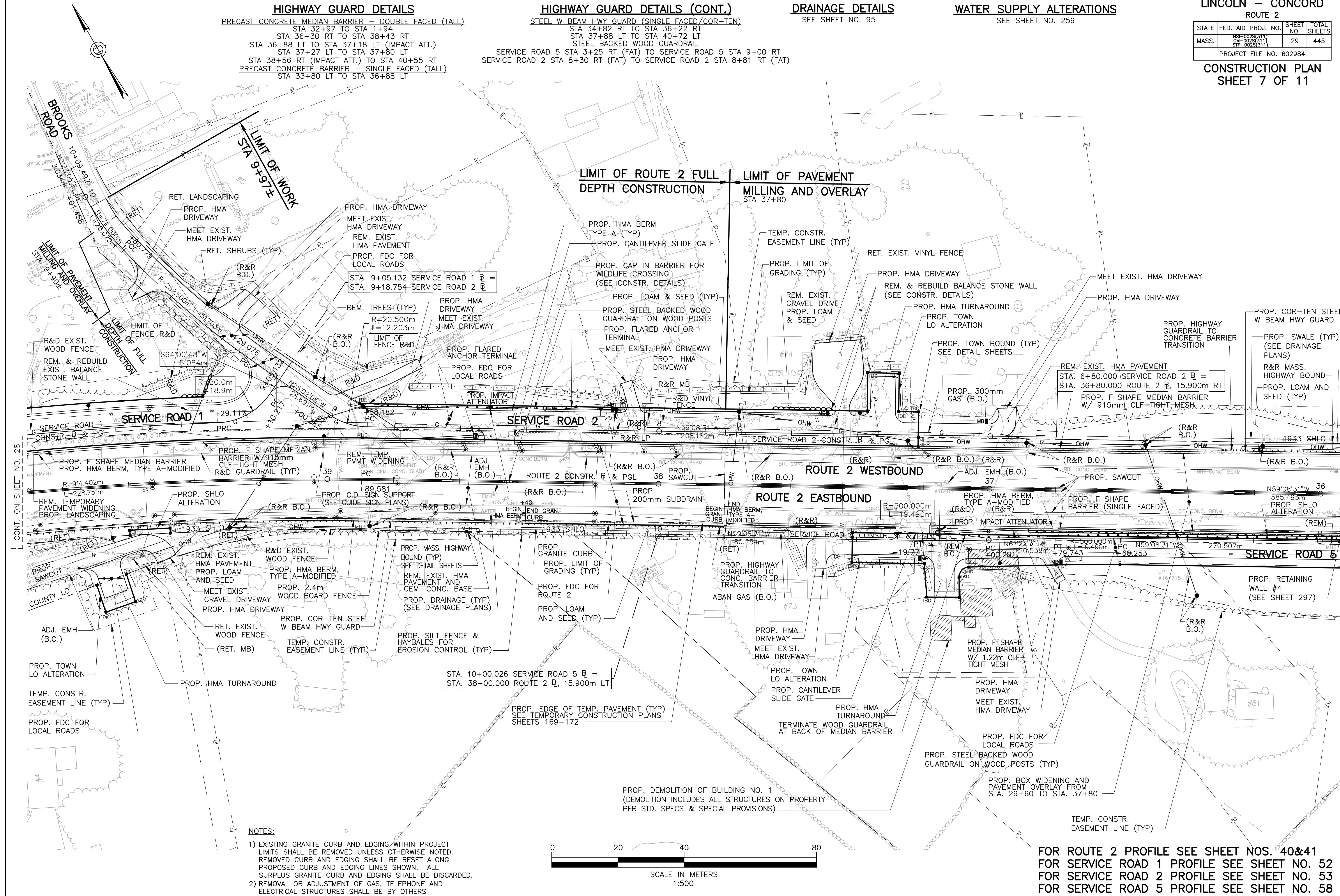
STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)
STA 34+82 RT TO STA 36+22 RT
STA 37+88 LT TO STA 40+72 LT
STEEL BACKED WOOD GUARDRAIL
SERVICE ROAD 5 STA 3+25 RT (FAT) TO SERVICE ROAD 5 STA 9+00 RT
SERVICE ROAD 2 STA 8+30 RT (FAT) TO SERVICE ROAD 2 STA 8+81 RT (FAT)

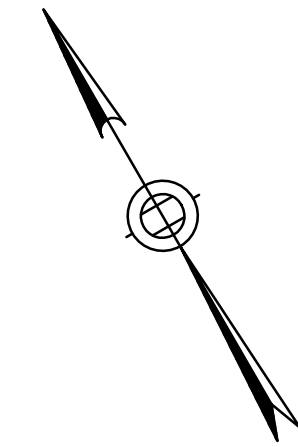
DRAINAGE DETAILS

SEE SHEET NO. 95

WATER SUPPLY ALTERATIONS

SEE SHEET NO. 259





HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)

STA 29+60 LT TO STA 32+88 LT

STA 31+62 TO STA 32+88

STA 32+95 LT TO STA 33+80 LT

STA 32+95 TO STA 1+94

PRECAST CONCRETE BARRIER - SINGLE FACED (TALL)

STA 33+80 LT TO STA 36+88 LT

STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)

STA 30+35 RT (FE) TO STA 34+70 RT (TERM)

STA 34+82 RT (TERM) TO STA 36+22 RT

STEEL BACKED WOOD GUARDRAIL

SERVICE ROAD 5 STA 3+25 RT (FAT) TO SERVICE ROAD 5 STA 9+00 RT (FAT)

DRAINAGE DETAILS

SEE SHEET NO. 96

WATER SUPPLY ALTERATIONS

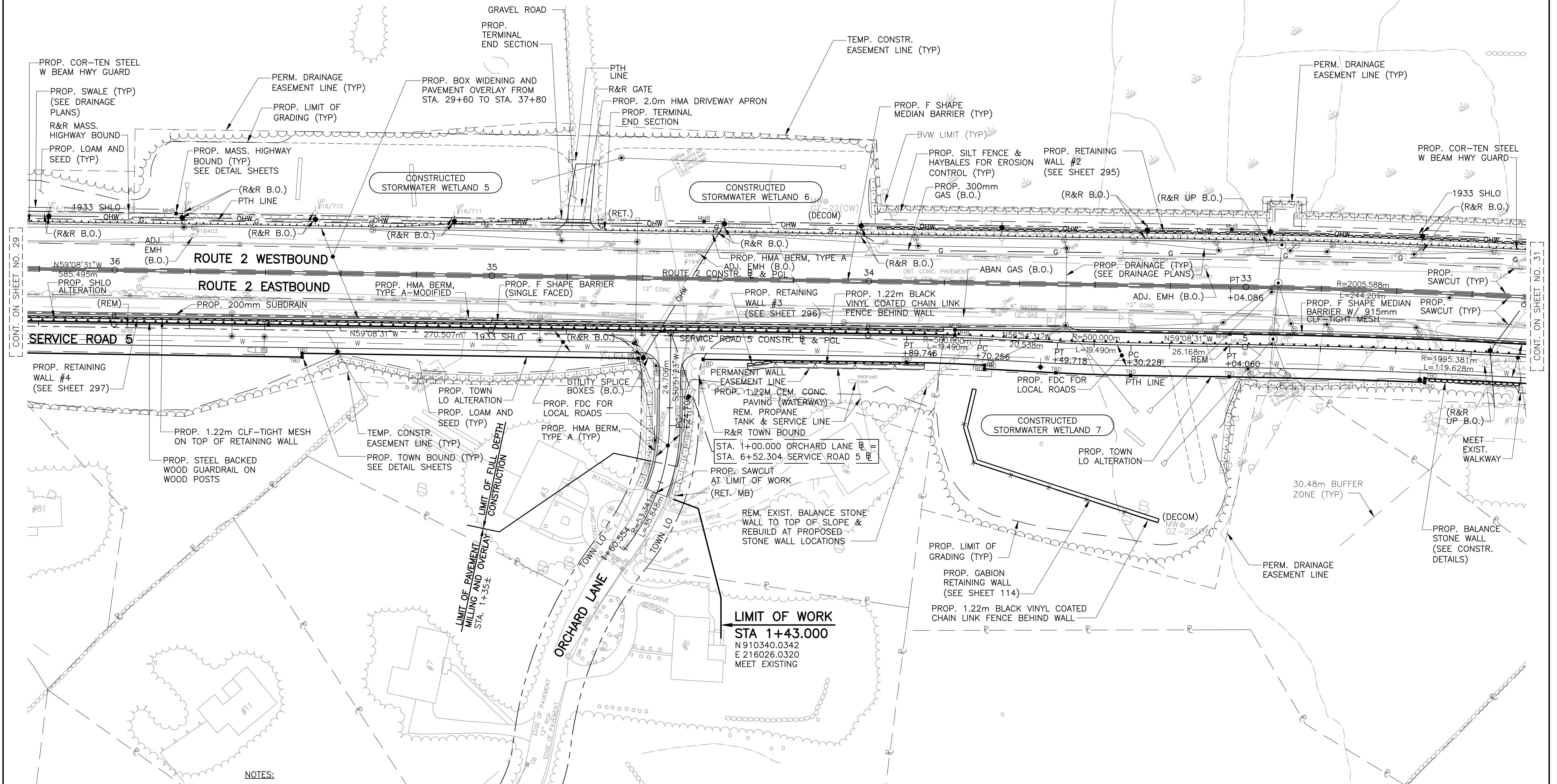
SEE SHEET NO. 260

LINCOLN - CONCORD

ROUTE 2

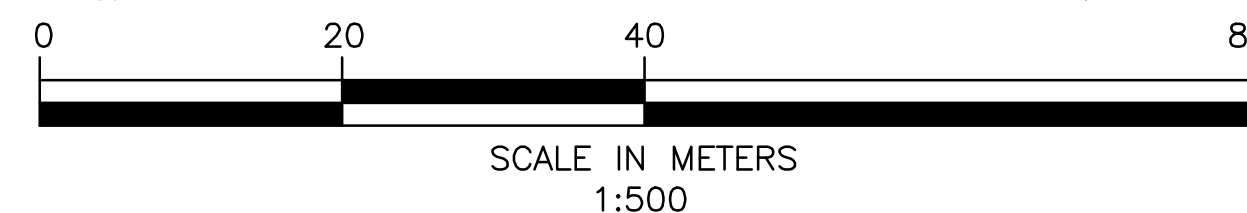
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	MS-00293(311) CW-00293(311) STP-00293(311)	30	445
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN SHEET 8 OF 11



NOTES:

- 1) EXISTING GRANITE CURB AND EDGING WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. REMOVED CURB AND EDGING SHALL BE RESET ALONG PROPOSED CURB AND EDGING LINES SHOWN. ALL SURPLUS GRANITE CURB AND EDGING SHALL BE DISCARDED.
- 2) REMOVAL OR ADJUSTMENT OF GAS, TELEPHONE AND ELECTRICAL STRUCTURES SHALL BE BY OTHERS



FOR ROUTE 2 PROFILE SEE SHEET NO. 41&42
FOR SERVICE ROAD 5 PROFILE SEE SHEET NO. 58&59
FOR ORCHARD LANE PROFILE SEE SHEET NO. 64

HIGHWAY GUARD DETAILS

PRECAST CONCRETE MEDIAN BARRIER - DOUBLE FACED (TALL)
STA 29+60 LT TO STA 32+88 LT
STA 31+62 TO STA 32+88
STEEL W BEAM HWY GUARD (SINGLE FACED/COR-TEN)
STA 30+35 RT (FE) TO STA 34+70 RT (TERM)

DRAINAGE DETAILS

SEE SHEET NO. 97

WATER SUPPLY ALTERATIONS

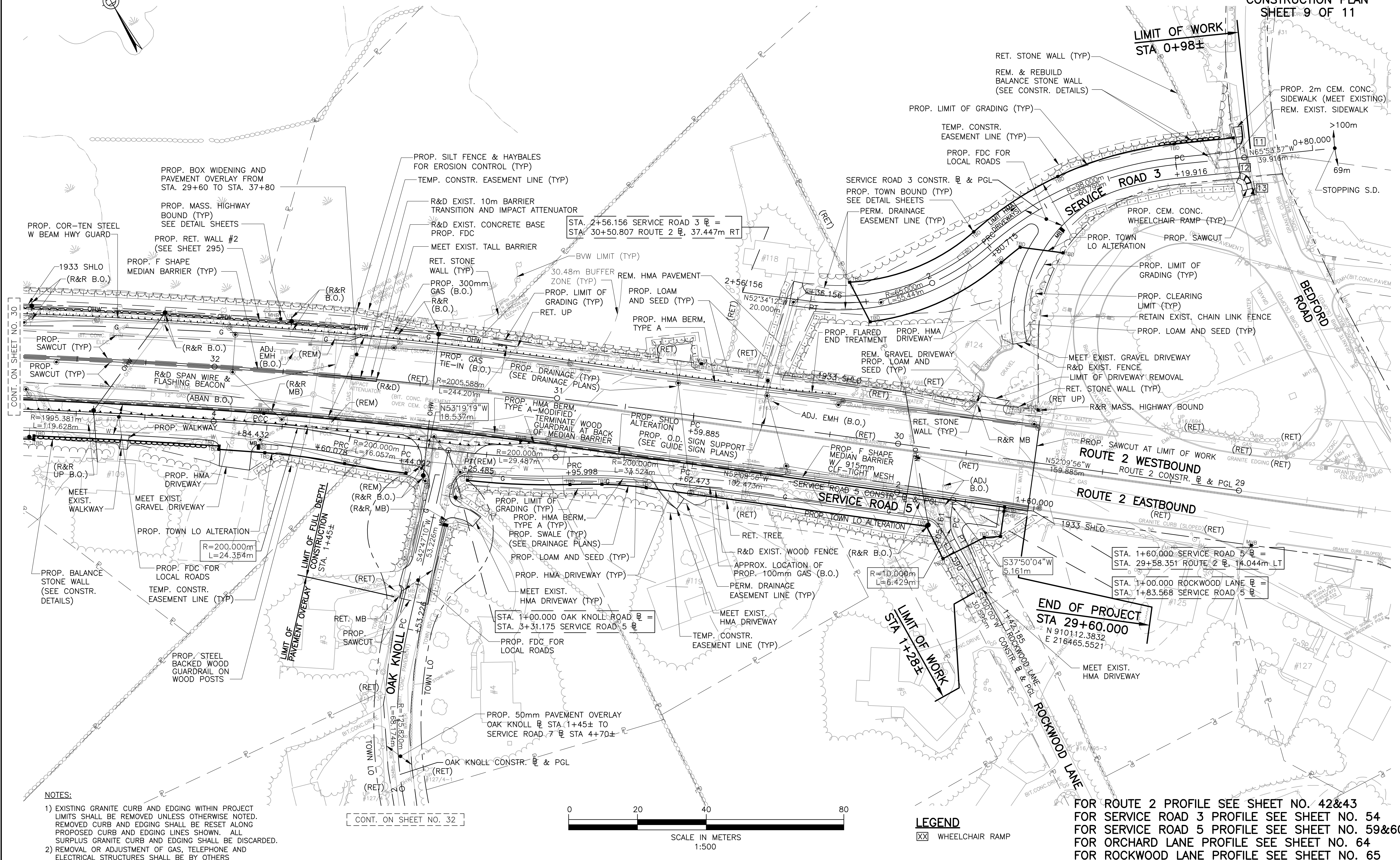
SEE SHEET NO. 261

LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	MS-00293(311) GM-00293(311) STP-00293(311)	31	445
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN SHEET 9 OF 11



HIGHWAY GUARD DETAILS

NONF

DRAINAGE DETAILS

SFF SHEET NO. 98

WATER SUPPLY ALTERATIONS

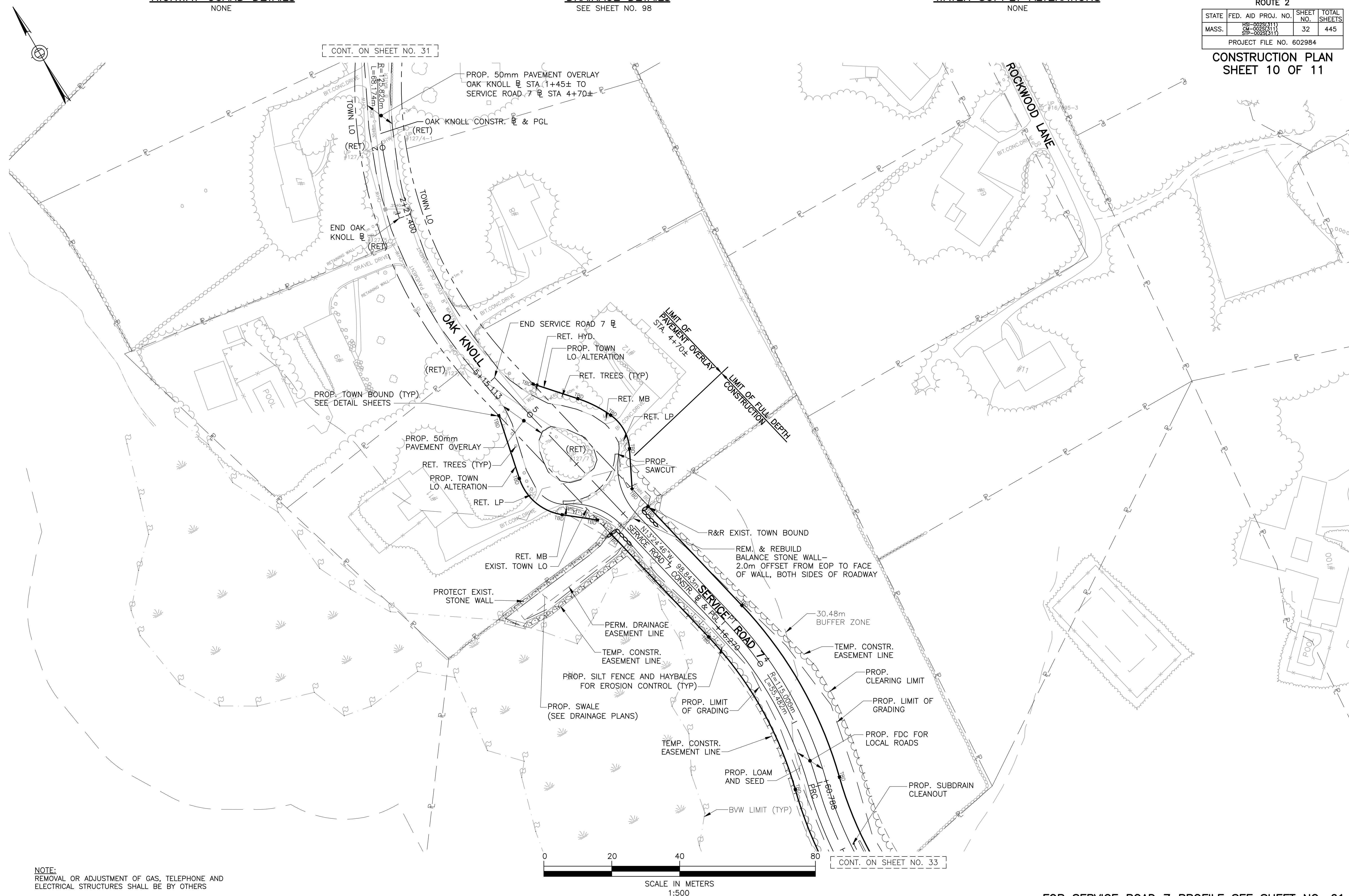
NONF

LINCOLN - CONCORD

ROUTE 2

STATE	FED. AID PROJ. NO.	SHEET NO.	TOT. SHEET
MASS.	HSI-002S(311) CM-002S(311) STP-002S(311)	32	44
PROJECT FILE NO. 602984			

CONSTRUCTION PLAN
SHEET 10 OF 11



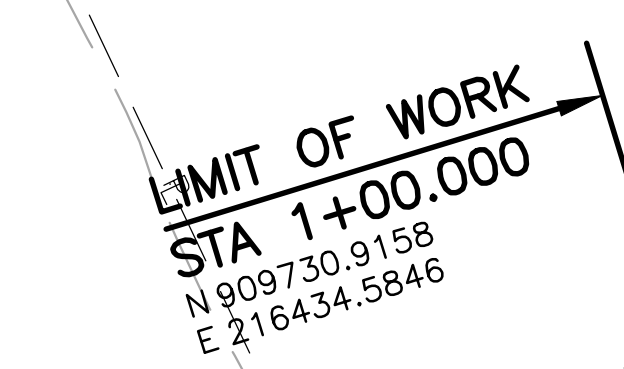
STEEL BACKED WOOD GUARDRAIL
STA 1+09 LT TO STA 1+56 LT

SEE SHEET NO. 99

NONE

ROUTE 2

CONSTRUCTION PLAN
SHEET 11 OF 11



FOR SERVICE ROAD 7 PROFILE SEE SHEET NO. 61&62