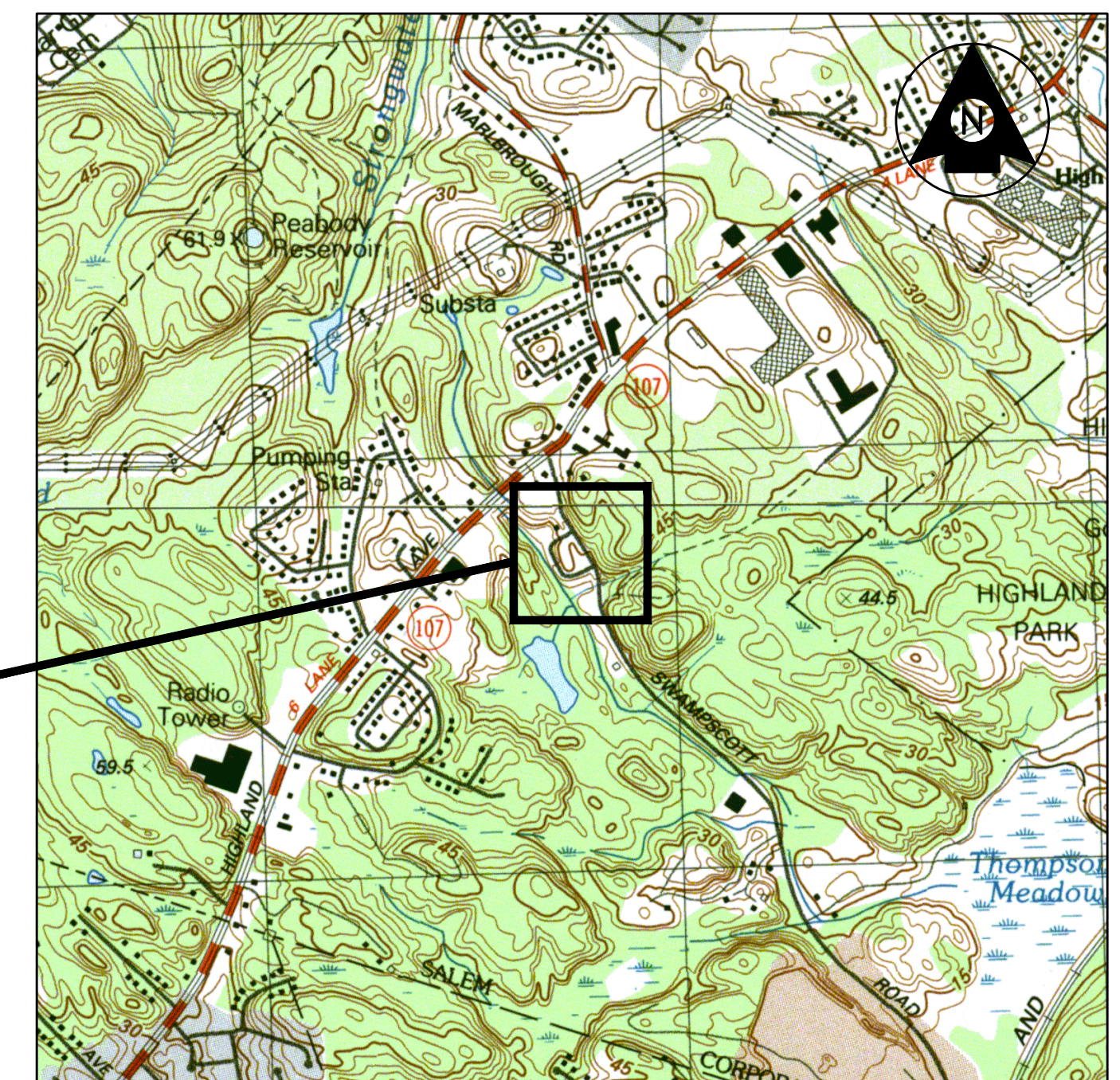


LOCATION MAP

SALEM, MA

# SWAMPSCOTT ROAD AT FIRST STREET ROUNDAABOUT CONSTRUCTION



PROJECT LOCATION

VICINITY MAP  
1" = 1000'

SHEET NO.	TITLE
1	TITLE SHEET AND INDEX
2	KEY PLAN
3-4	EXISTING CONDITIONS PLANS
5-7	TYPICAL SECTIONS
8-9	CONSTRUCTION PLANS
10-11	PROFILES
12-13	GRADING PLANS
14	DRAINAGE PIPE & STRUCTURE SCHEDULE
15	CONSTRUCTION DETAILS

CITY MAYOR  
KIMBERLEY DRISCOLL

CITY ENGINEER  
DAVID KNOWLTON, P.E.

SEPTEMBER 2017

Project Number: 179410490

NOTICE OF INTENT PLANS



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Consultants

Legend

Notes

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	SEA	RAA	SEA	17.09.06
key plan.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

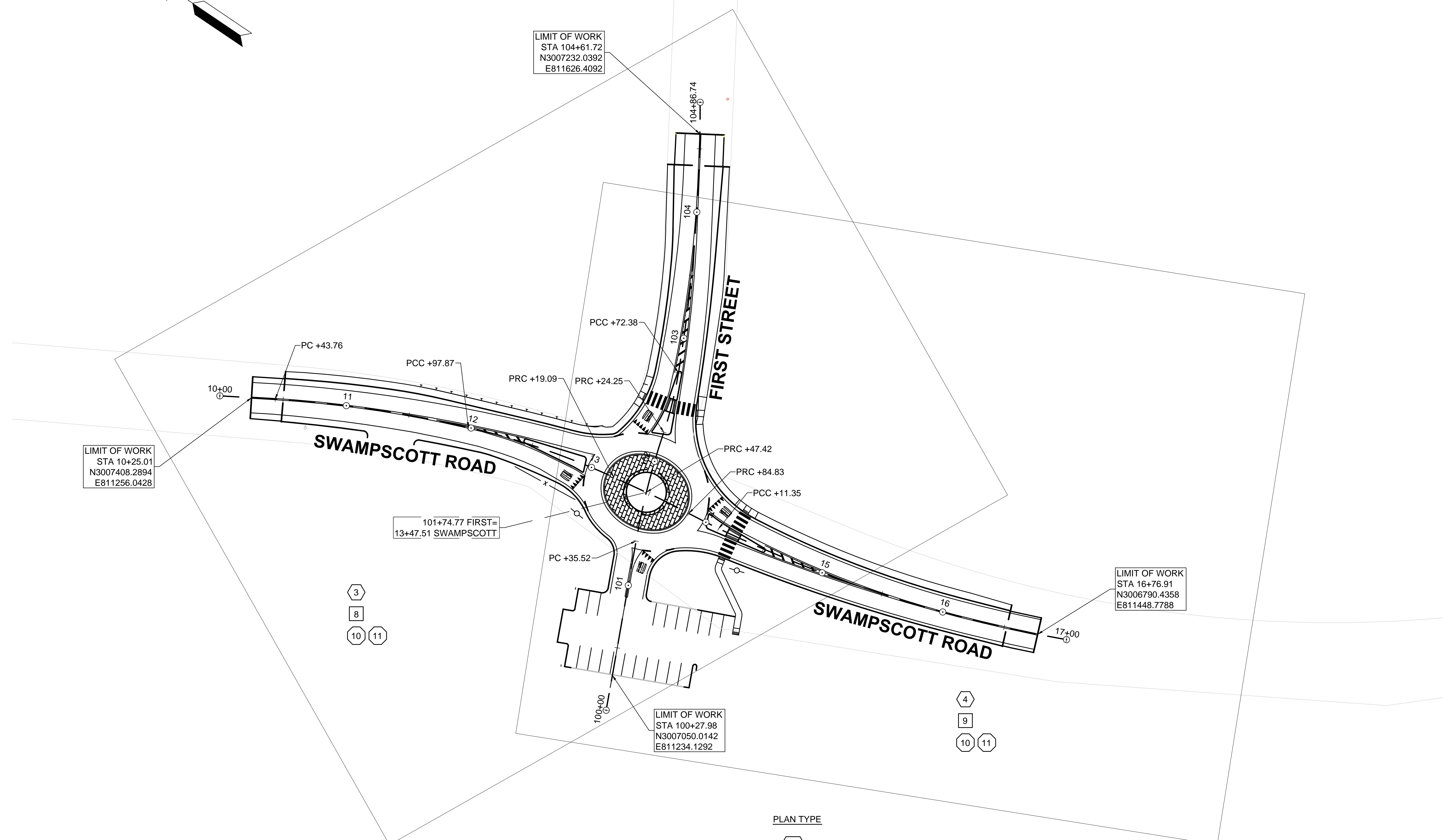
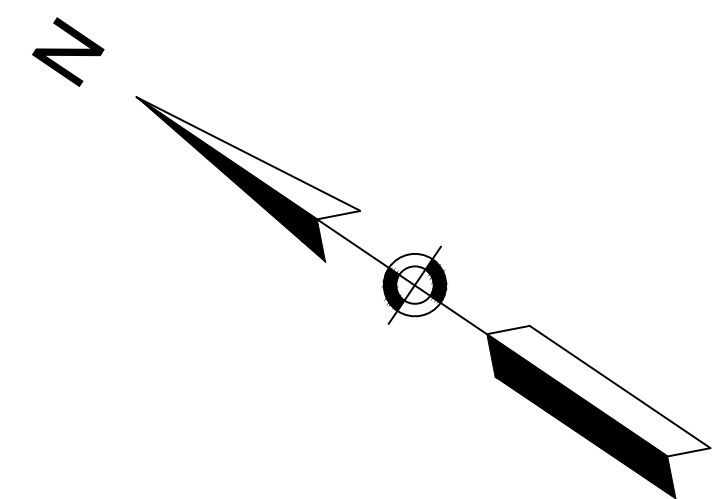
Permit-Seal



Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 KEY PLAN

Project No. 179410490	Scale 1"=40'
Drawing No.	Sheet Revision



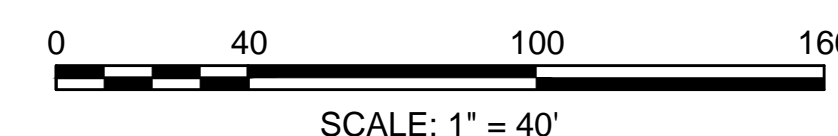
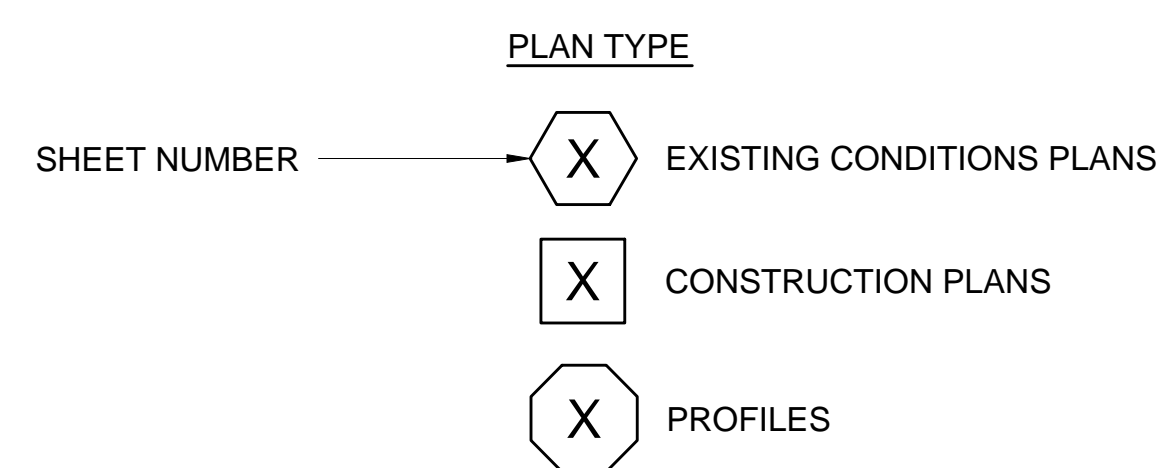
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 E811626.4092

LIMIT OF WORK  
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 N3007408.2894  
 E811256.0428

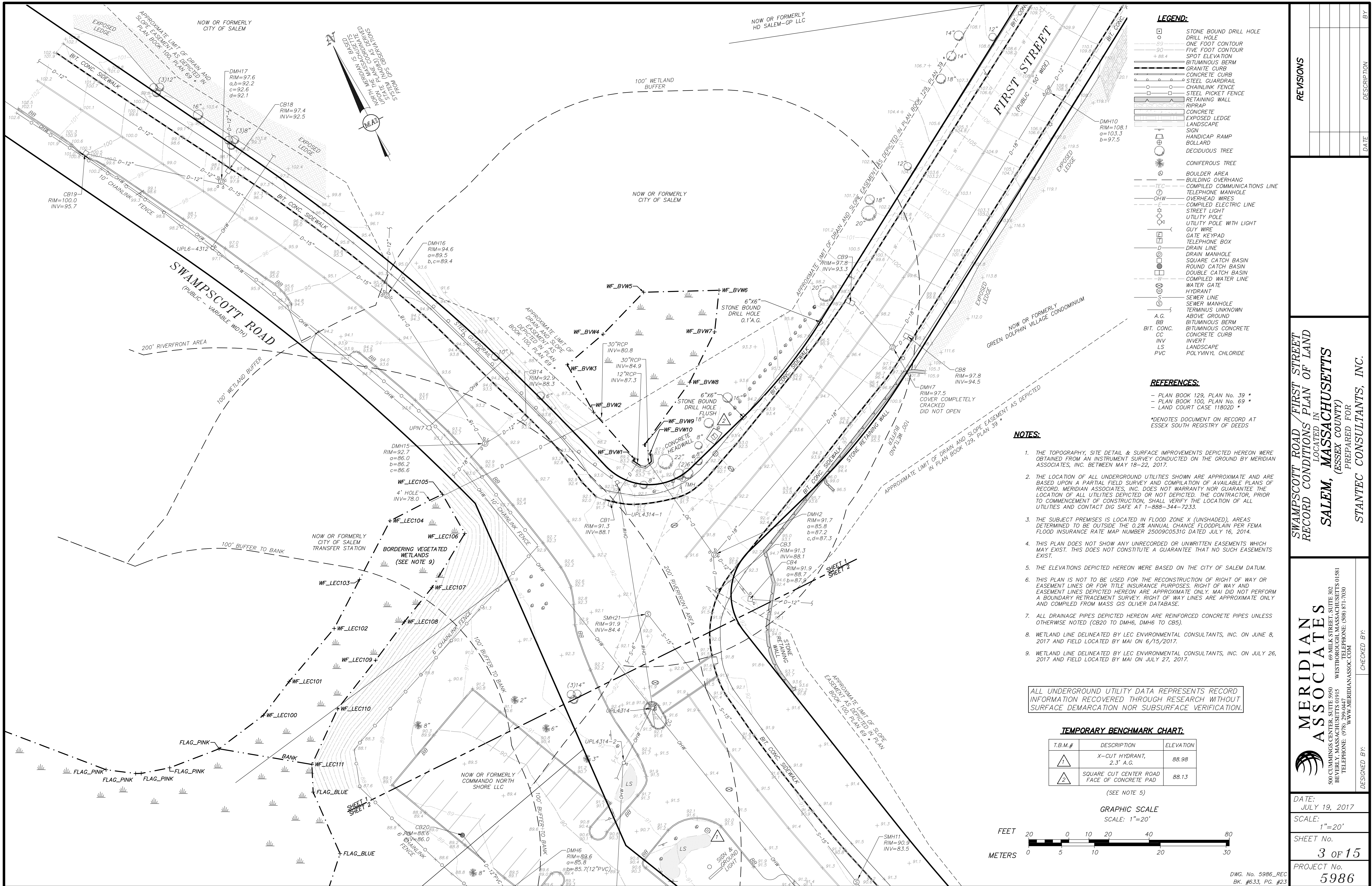
101+74.77 FIRST=  
 13+47.51 SWAMPSCOTT

LIMIT OF WORK  
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LIMIT OF WORK  
 STA 100+27.98  
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 E811234.1292







**LEGEND:**

[Symbol]	STONE BOUND DRILL HOLE
[Symbol]	DRILL HOLE
[Symbol]	ONE FOOT CONTOUR
[Symbol]	FIVE FOOT CONTOUR
[Symbol]	SPOT ELEVATION
[Symbol]	BITUMINOUS BERM
[Symbol]	GRANITE CURB
[Symbol]	CONCRETE CURB
[Symbol]	STEEL GUARDRAIL
[Symbol]	CHAINLINK FENCE
[Symbol]	STEEL PICKET FENCE
[Symbol]	RETAINING WALL
[Symbol]	PIPERAIL
[Symbol]	CONCRETE
[Symbol]	EXPOSED LEDGE
[Symbol]	LANDSCAPE
[Symbol]	SIGN
[Symbol]	HANDICAP RAMP
[Symbol]	BOLLARD
[Symbol]	DECIDUOUS TREE
[Symbol]	CONIFEROUS TREE
[Symbol]	BOULDER AREA
[Symbol]	BUILDING OVERHANG
[Symbol]	COMPILED COMMUNICATIONS LINE
[Symbol]	TELEPHONE MANHOLE
[Symbol]	OVERHEAD WIRES
[Symbol]	COMPILED ELECTRIC LINE
[Symbol]	STREET LIGHT
[Symbol]	UTILITY POLE
[Symbol]	UTILITY POLE WITH LIGHT
[Symbol]	GUY WIRE
[Symbol]	GATE KEYPAD
[Symbol]	TELEPHONE BOX
[Symbol]	DRAIN LINE
[Symbol]	DRAIN MANHOLE
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[Symbol]	ROUND CATCH BASIN
[Symbol]	DOUBLE CATCH BASIN
[Symbol]	COMPILED WATER LINE
[Symbol]	WATER GATE
[Symbol]	HYDRANT
[Symbol]	SEWER LINE
[Symbol]	SEWER MANHOLE
[Symbol]	TERMINUS UNKNOWN
[Symbol]	ABOVE GROUND
[Symbol]	BITUMINOUS BERM
[Symbol]	BITUMINOUS CONCRETE
[Symbol]	CONCRETE CURB
[Symbol]	INVERT
[Symbol]	LANDSCAPE
[Symbol]	PVC
[Symbol]	POLYVINYL CHLORIDE

**REFERENCES:**

- PLAN BOOK 129, PLAN No. 39 \*
- PLAN BOOK 100, PLAN No. 69 \*
- LAND COURT CASE 118020 \*

\*DENOTES DOCUMENT ON RECORD AT ESSEX SOUTH REGISTRY OF DEEDS

- NOTES:**
1. THE TOPOGRAPHY, SITE DETAIL & SURFACE IMPROVEMENTS DEPICTED HEREON WERE OBTAINED FROM AN INSTRUMENT SURVEY CONDUCTED ON THE GROUND BY MERIDIAN ASSOCIATES, INC. BETWEEN MAY 18-22, 2017.
  2. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL SURVEY AND COMPILED PLANS OF RECORD. MERIDIAN ASSOCIATES, INC. DOES NOT WARRANT NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 1-888-344-7233.
  3. THE SUBJECT PREMISES IS LOCATED IN FLOOD ZONE X (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 25090C0531G DATED JULY 16, 2014.
  4. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
  5. THE ELEVATIONS DEPICTED HEREON WERE BASED ON THE CITY OF SALEM DATUM.
  6. THIS PLAN IS NOT TO BE USED FOR THE RECONSTRUCTION OF RIGHT OF WAY OR EASEMENT LINES OR FOR TITLE INSURANCE PURPOSES. RIGHT OF WAY AND EASEMENT LINES DEPICTED HEREON ARE APPROXIMATE ONLY. MAI DID NOT PERFORM A BOUNDARY RETRACEMENT SURVEY. RIGHT OF WAY LINES ARE APPROXIMATE ONLY AND COMPILED FROM MASS GIS OLIVER DATABASE.
  7. ALL DRAINAGE PIPES DEPICTED HEREON ARE REINFORCED CONCRETE PIPES UNLESS OTHERWISE NOTED (CB20 TO DMH6, DMH6 TO CB5).
  8. WETLAND LINE DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON JUNE 8, 2017 AND FIELD LOCATED BY MAI ON 6/15/2017.
  9. WETLAND LINE DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON JULY 26, 2017 AND FIELD LOCATED BY MAI ON JULY 27, 2017.

ALL UNDERGROUND UTILITY DATA REPRESENTS RECORD INFORMATION RECOVERED THROUGH RESEARCH WITHOUT SURFACE DEMARCATION NOR SUBSURFACE VERIFICATION.

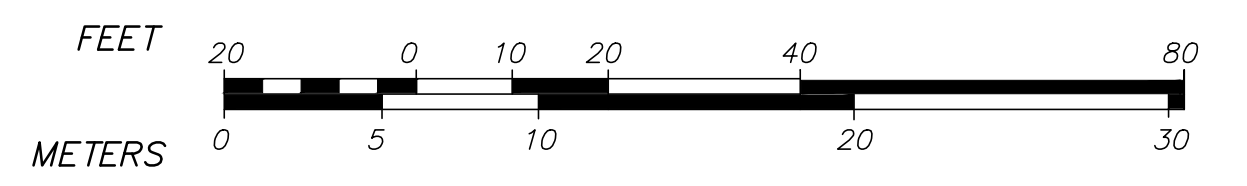
**TEMPORARY BENCHMARK CHART:**

T.B.M.#	DESCRIPTION	ELEVATION
1	X-CUT HYDRANT, 2.3' A.G.	88.98
2	SQUARE CUT CENTER ROAD FACE OF CONCRETE PAD	88.13

(SEE NOTE 5)

GRAPHIC SCALE

SCALE: 1"=20'



**REVISIONS**

NO.	DATE	DESCRIPTION	BY

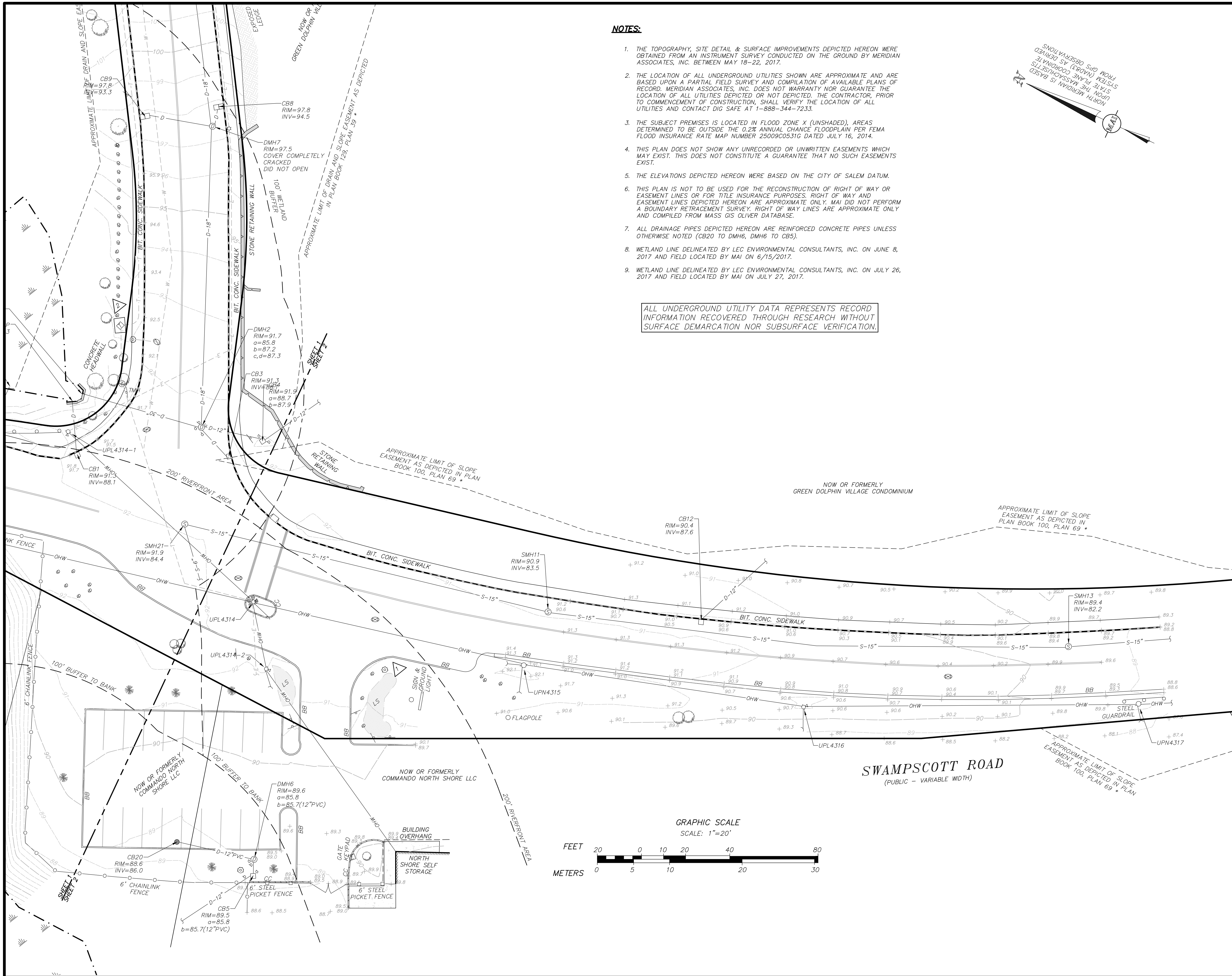
SWAMPSCOTT ROAD / FIRST STREET  
 RECORD CONDITIONS PLAN OF LAND  
 LOCATED IN  
 SALEM, MASSACHUSETTS  
 (ESSEX COUNTY)  
 PREPARED FOR  
 STANTEC CONSULTANTS, INC.

**MERIDIAN ASSOCIATES**  
 500 CUMMINGS CENTER SUITE 5950  
 BEVERLY, MASSACHUSETTS 01915  
 TELEPHONE: (978) 299-0447  
 WWW.MERIDIANASSOC.COM

CHECKED BY:

DATE: JULY 19, 2017  
 SCALE: 1"=20'  
 SHEET No. 3 OF 15  
 PROJECT No. 5986

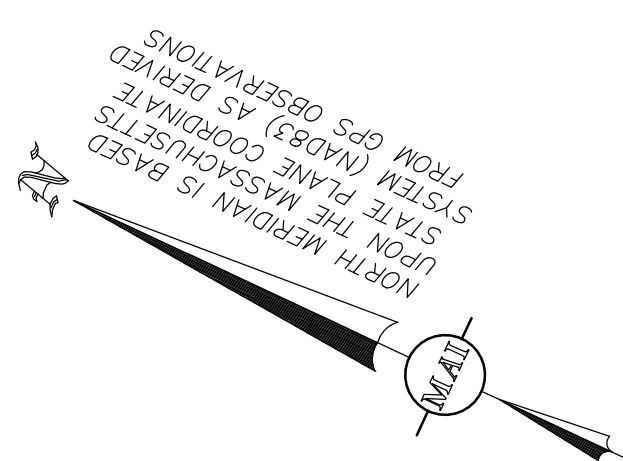




**NOTES:**

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7. ALL DRAINAGE PIPES DEPICTED HEREON ARE REINFORCED CONCRETE PIPES UNLESS OTHERWISE NOTED (CB20 TO DMH6, DMH6 TO CB5).
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9. WETLAND LINE DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON JULY 26, 2017 AND FIELD LOCATED BY MAI ON JULY 27, 2017.

ALL UNDERGROUND UTILITY DATA REPRESENTS RECORD INFORMATION RECOVERED THROUGH RESEARCH WITHOUT SURFACE DEMARICATION NOR SUBSURFACE VERIFICATION.



**LEGEND:**

- STONE BOUND DRILL HOLE
- DRILL HOLE
- 89— ONE FOOT CONTOUR
- 90— FIVE FOOT CONTOUR
- +88.4 SPOT ELEVATION
- BITUMINOUS BERM
- GRANITE CURB
- CONCRETE CURB
- STEEL GUARDRAIL
- CHAINLINK FENCE
- STEEL PICKET FENCE
- RETAINING WALL
- RIPRAP
- CONCRETE
- EXPOSED LEDGE
- LANDSCAPE
- SIGN
- HANDICAP RAMP
- BOLLARD
- DECIDUOUS TREE
- CONIFEROUS TREE
- BOULDER AREA
- BUILDING OVERHANG
- COMPLETED COMMUNICATIONS LINE
- TELEPHONE MANHOLE
- OHW
- OVERHEAD WIRES
- COMPLETED ELECTRIC LINE
- STREET LIGHT
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- GATE KEYPAD
- TELEPHONE BOX
- DRAIN LINE
- DRAIN MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- DOUBLE CATCH BASIN
- COMPLETED WATER LINE
- WATER GATE
- HYDRANT
- SEWER LINE
- SEWER MANHOLE
- TERMINUS UNKNOWN
- A.G. ABOVE GROUND
- BB BITUMINOUS BERM
- BIT. CONC. BITUMINOUS CONCRETE
- CC CONCRETE CURB
- INV INVERT
- LS LANDSCAPE
- PVC POLYVINYL CHLORIDE

**REFERENCES:**

- PLAN BOOK 129, PLAN No. 39 \*
- PLAN BOOK 100, PLAN No. 69 \*
- LAND COURT CASE 118020 \*

\*DENOTES DOCUMENT ON RECORD AT ESSEX SOUTH REGISTRY OF DEEDS

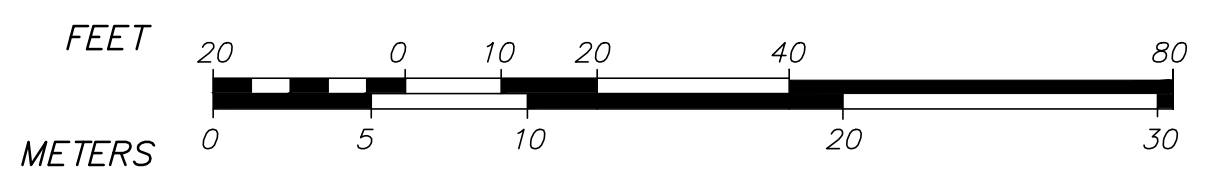
**TEMPORARY BENCHMARK CHART:**

T.B.M.#	DESCRIPTION	ELEVATION
1	X-CUT HYDRANT, 2.3' A.G.	88.98
2	SQUARE CUT CENTER ROAD FACE OF CONCRETE PAD	88.13

(SEE NOTE 5)

**SWAMPSCOTT ROAD**  
(PUBLIC - VARIABLE WIDTH)

GRAPHIC SCALE  
SCALE: 1"=20'



**REVISIONS**

NO.	DATE	DESCRIPTION

SWAMPSCOTT ROAD / FIRST STREET  
RECORD CONDITIONS PLAN OF LAND  
LOCATED IN  
**SALEM, MASSACHUSETTS**  
(ESSEX COUNTY)  
PREPARED FOR  
**STANTEC CONSULTANTS, INC.**

**MERIDIAN ASSOCIATES**  
500 CUMMINGS CENTER, SUITE 5950  
BEVERLY, MASSACHUSETTS 01915  
TELEPHONE: (978) 299-0447  
WWW.MERIDIANASSOC.COM

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

DATE: JULY 19, 2017  
SCALE: 1"=20'  
SHEET No. 4 OF 15  
PROJECT No. 5986

Revision	By	Appd.	YY.MM.DD

File Name: typical sections.dwg	SEA	RAA	SEA	17.09.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 TYPICAL SECTIONS PART - 1

Project No. 179410490	Scale 1"=40'
Drawing No.	Sheet
	Revision

**PAVEMENT NOTES:**

PAVEMENT RECLAMATION (SWAMPSCOTT ROAD):

**SURFACE:** 1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER 5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) (PLACED IN TWO 2.5" LIFTS)

**SUBBASE:** 4" MIN\* RECLAIMED BASE COURSE MATERIAL (SUPPLEMENT WITH DENSE GRADED CRUSHED STONE IF NECESSARY)  
 \* MAY REQUIRE OVER EXCAVATION OF SUB-BASE MATERIAL TO MEET MINIMUM DEPTH

**RECLAIM:** 12" DEPTH

PAVEMENT RECLAMATION (FIRST STREET):

**SURFACE:** 1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER 5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) (PLACED IN TWO 2.5" LIFTS)

**SUBBASE:** 4" MIN\* RECLAIMED BASE COURSE MATERIAL (SUPPLEMENT WITH DENSE GRADED CRUSHED STONE IF NECESSARY)  
 \* MAY REQUIRE OVER EXCAVATION OF SUB-BASE MATERIAL TO MEET MINIMUM DEPTH

**RECLAIM:** 10" DEPTH

PAVEMENT MILL AND HMA OVERLAY (SWAMPSCOTT ROAD):

**SURFACE:** 1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5)

**MILLING:** 1.5" MICROMILL

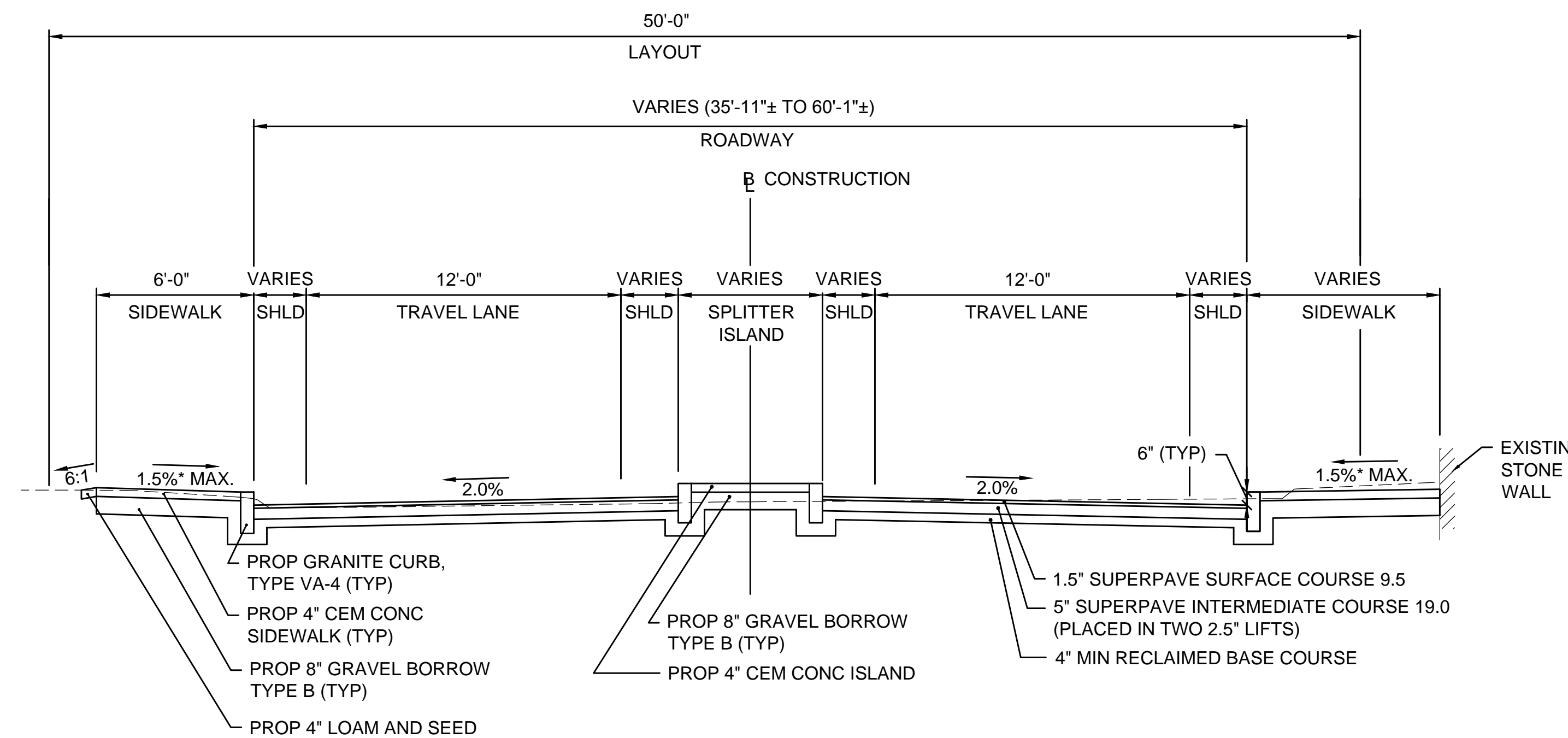
PAVEMENT MILL AND HMA OVERLAY (FIRST STREET):

**SURFACE:** 1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5)

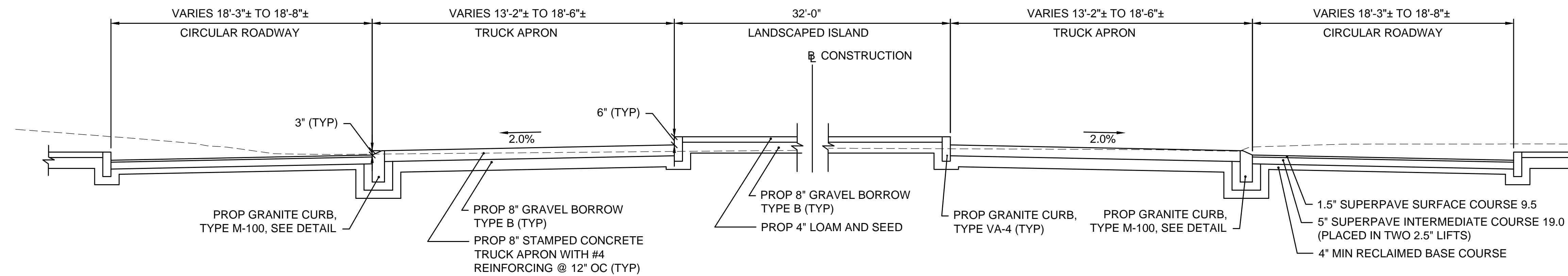
**MILLING:** 1.5" MICROMILL

ASPHALT EMULSION FOR TACK COAT:

ASPHALT EMULSION FOR TACK COAT SHALL BE PLACED ON ALL MILLED SURFACES (APPLICATION RATE = 0.07 GAL/SY) AND BETWEEN ALL NEW PAVEMENT LAYERS (APPLICATION RATE = 0.05 GAL/SY)

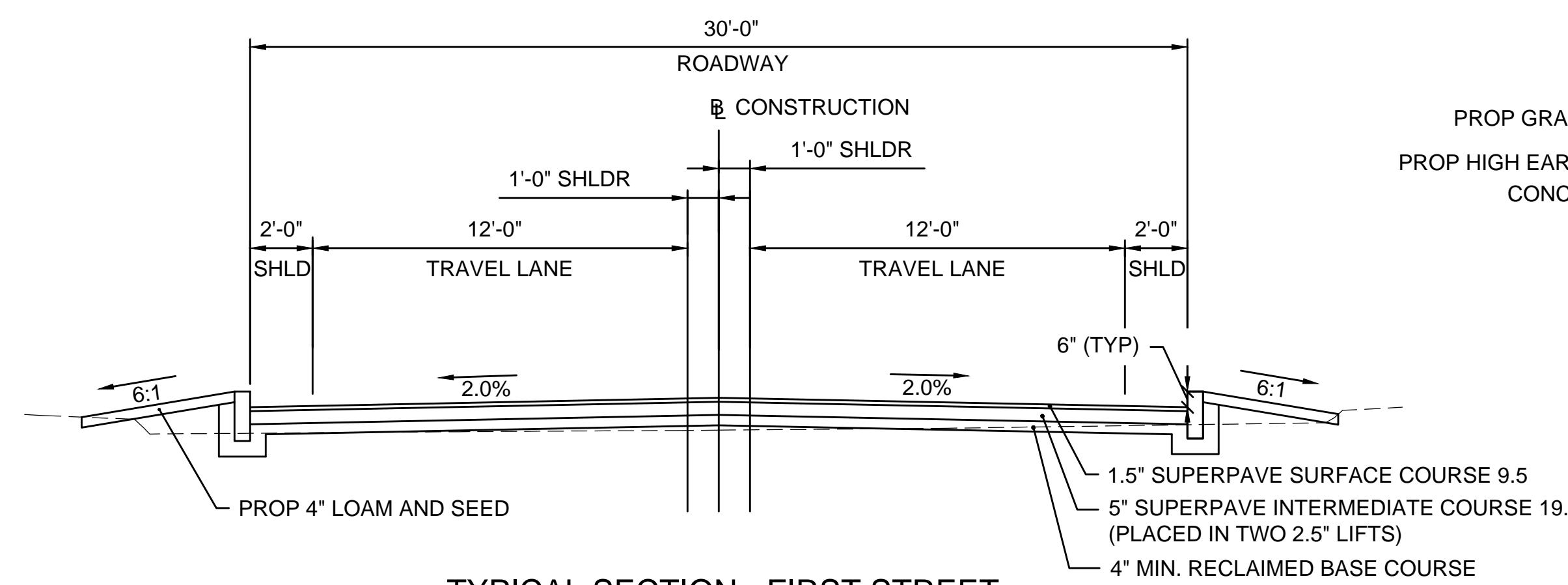


**TYPICAL SECTION - FIRST STREET**  
 STA. 102+22± TO STA. 102+74±

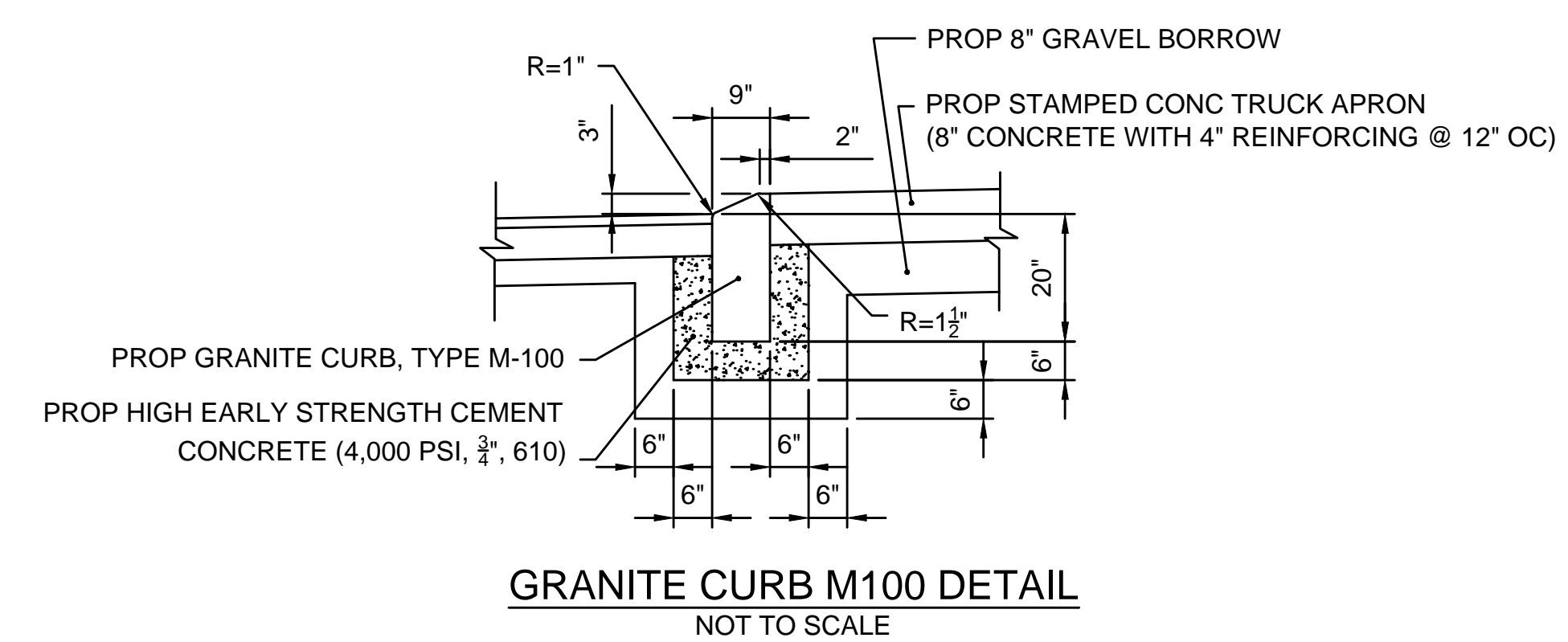


**TYPICAL SECTION - FIRST STREET**  
 STA. 101+30± TO STA. 102+22±

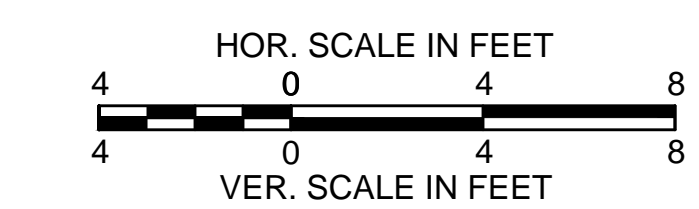
**TYPICAL SECTION - SWAMPSCOTT ROAD**  
 STA. 12+95± TO STA. 14+00±



**TYPICAL SECTION - FIRST STREET**  
 STA. 100+90± TO STA. 101+30±



**GRANITE CURB M100 DETAIL**  
 NOT TO SCALE





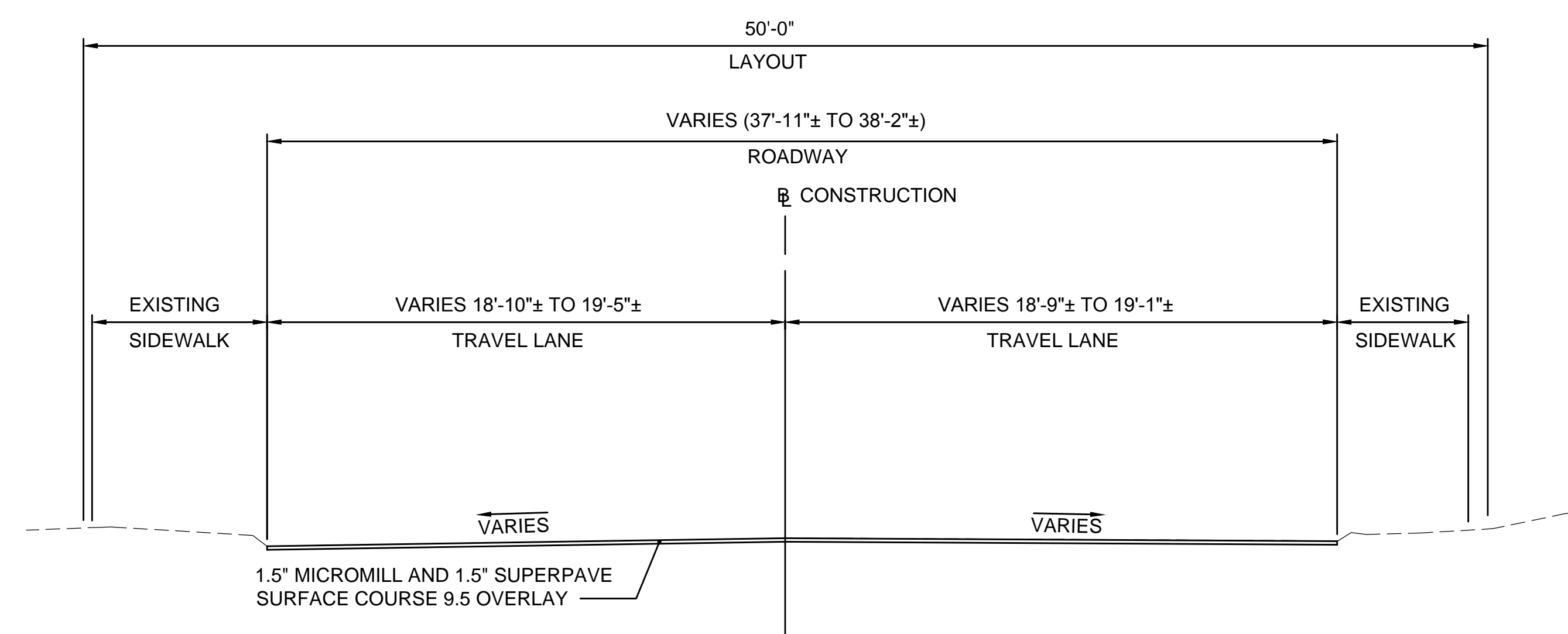
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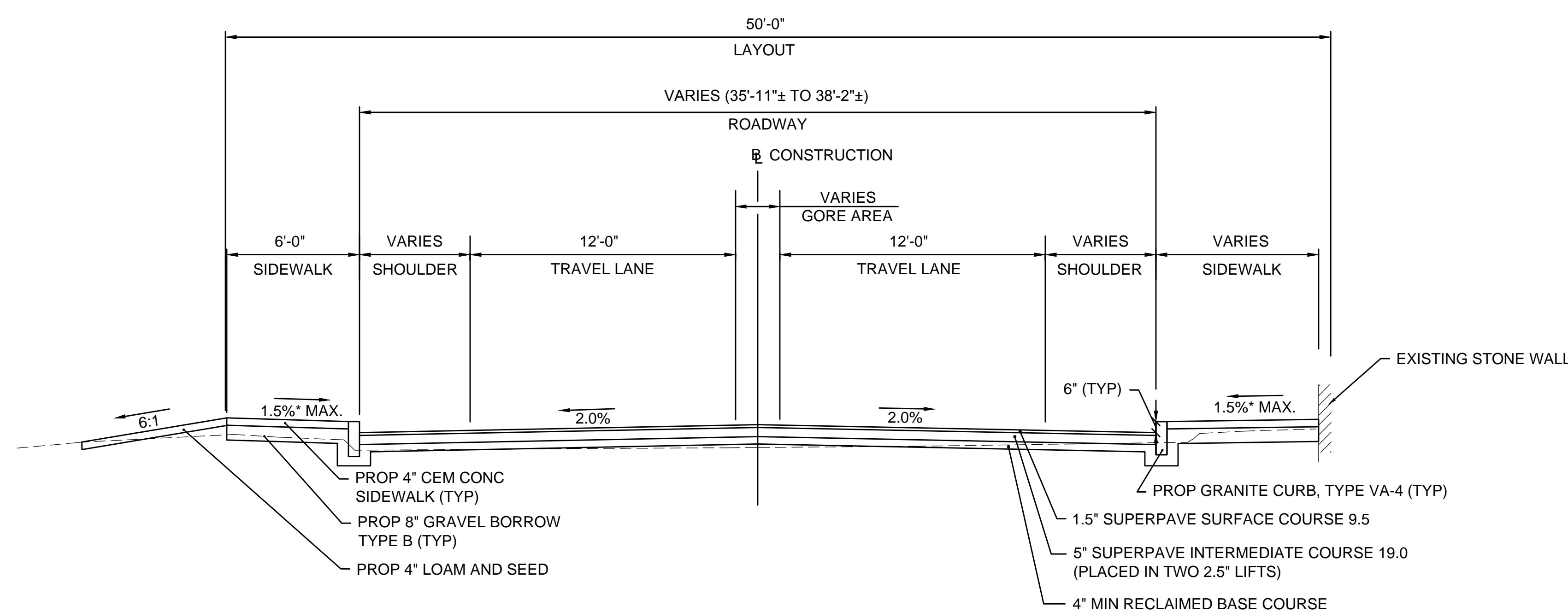
Consultants

Legend

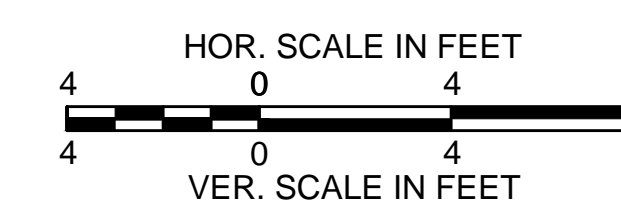
Notes



**TYPICAL SECTION - FIRST STREET**  
STA. 104+37± TO STA. 104+62±



**TYPICAL SECTION - FIRST STREET**  
STA. 102+74± TO STA. 104+37±



Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	SEA	RAA	SEA	17.09.06
typical sections.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

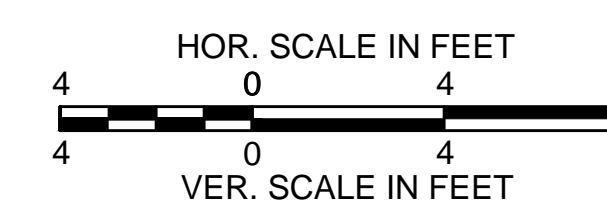
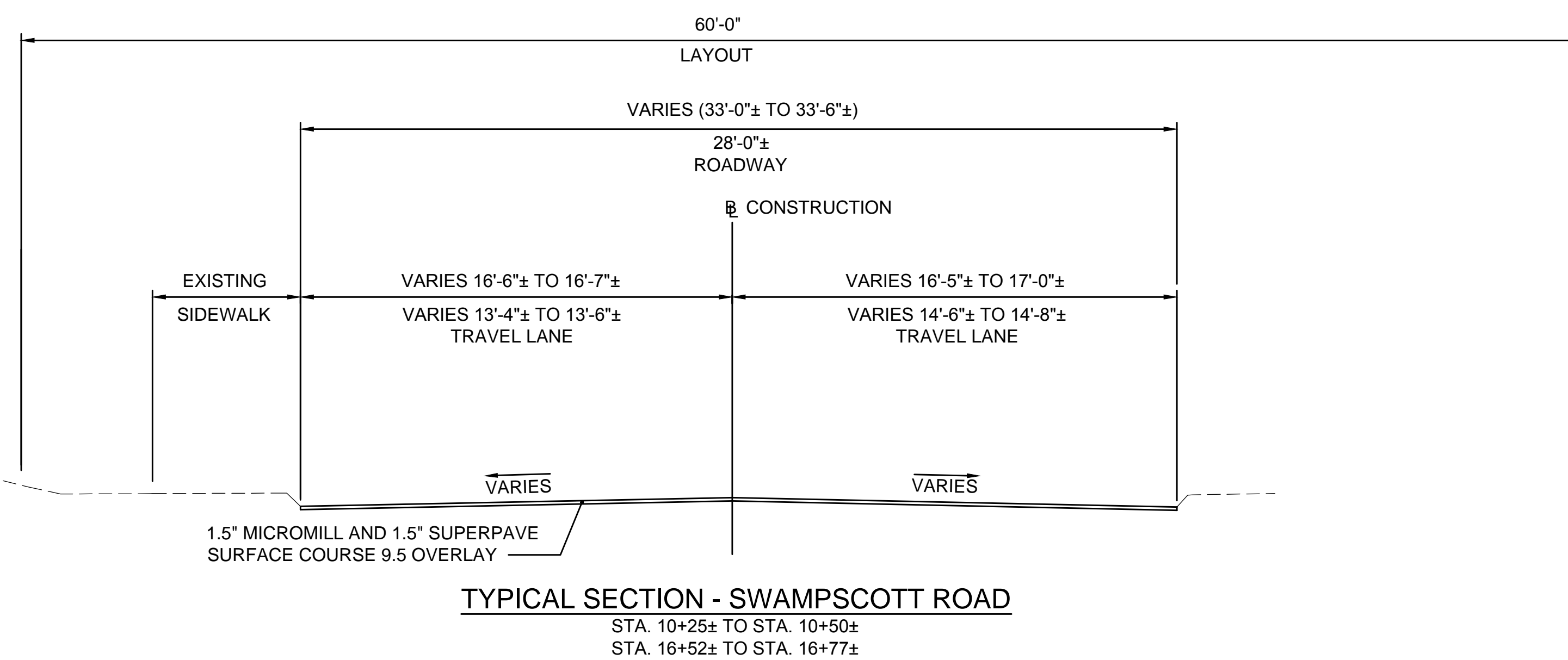
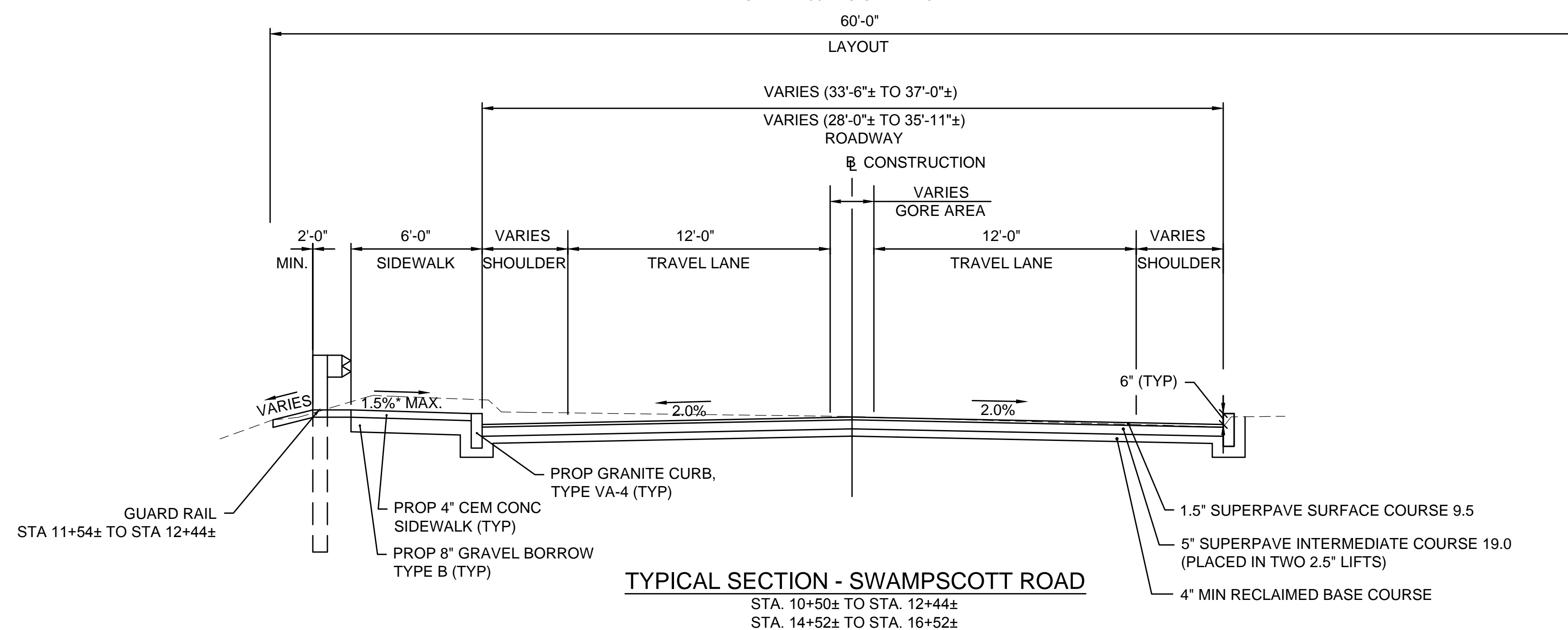
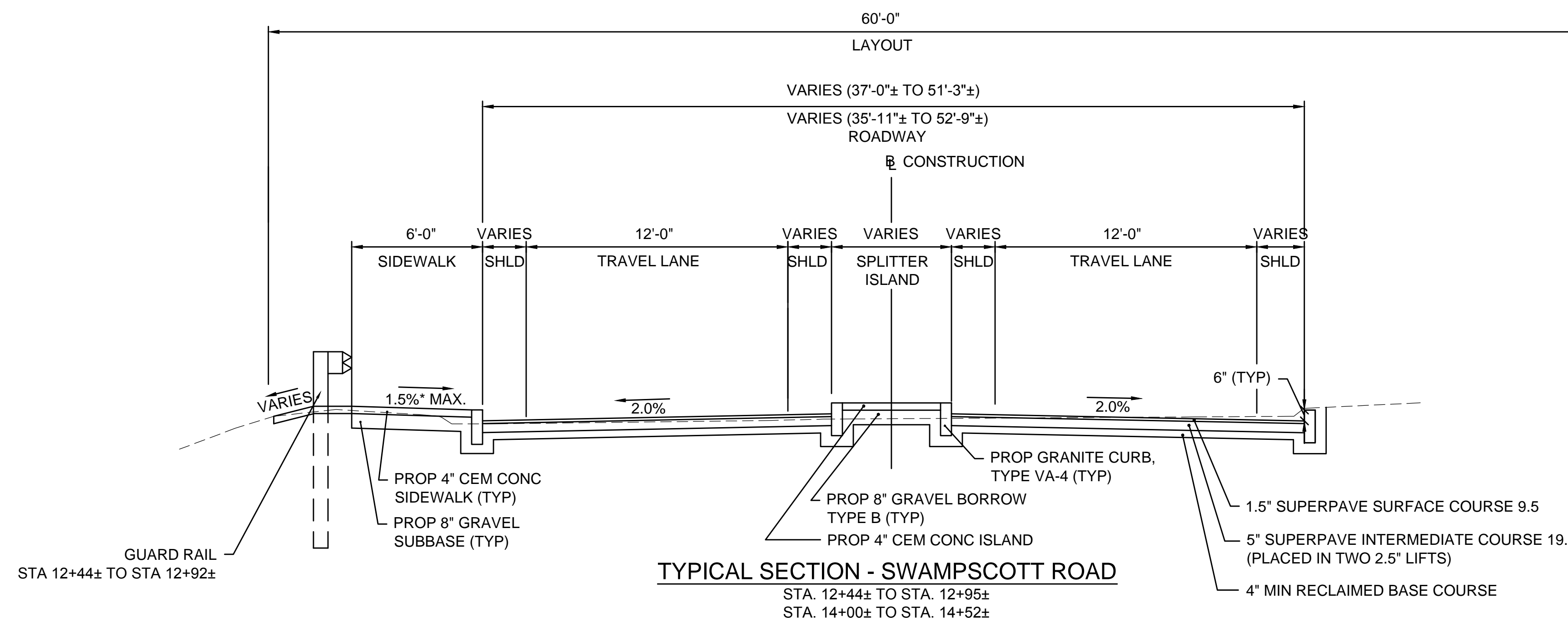
Permit-Seal



Client/Project  
City of Salem, MA  
NOTICE OF INTENT PLANS  
Swampscott Road at First Street  
Roundabout Construction  
Salem, MA

Title  
TYPICAL SECTIONS PART - 2

Project No.	Scale	
179410490	1"=40'	
Drawing No.	Sheet	Revision



Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	typical sections.dwg	SEA	RAA	SEA	17.09.06
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 TYPICAL SECTIONS PART - 3

Project No.	179410490	Scale	1"=40'
Drawing No.	Sheet	Revision	



Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

Revision	By	Appd.	YY.MM.DD

File Name: const plans.dwg SEA RAA SEA 17.09.06  
Dwn. Chld. Dgn. YY.MM.DD

Permit-Seal



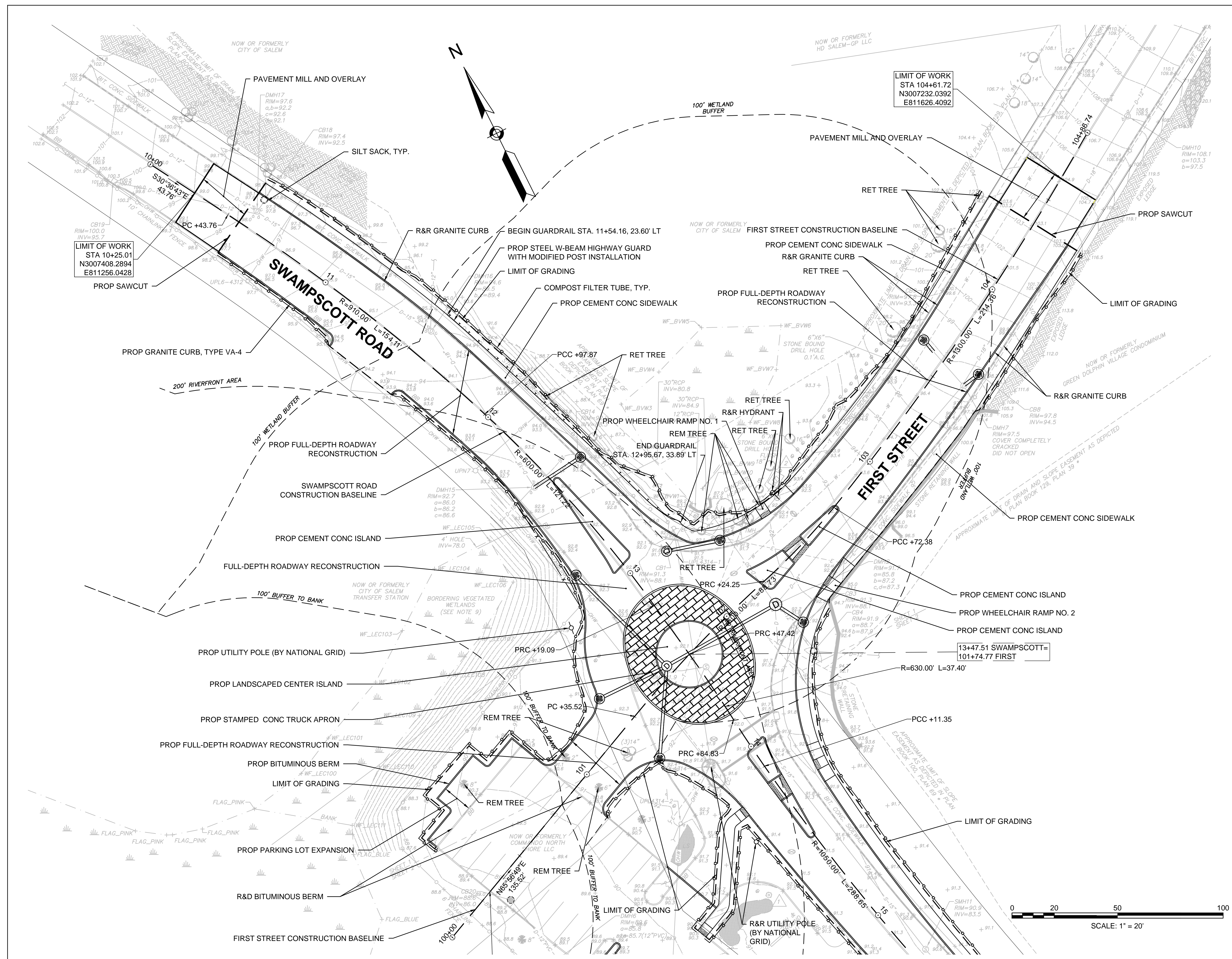
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City of Salem, MA  
NOTICE OF INTENT PLANS

Swampscott Road at First Street  
Roundabout Construction  
Salem, MA

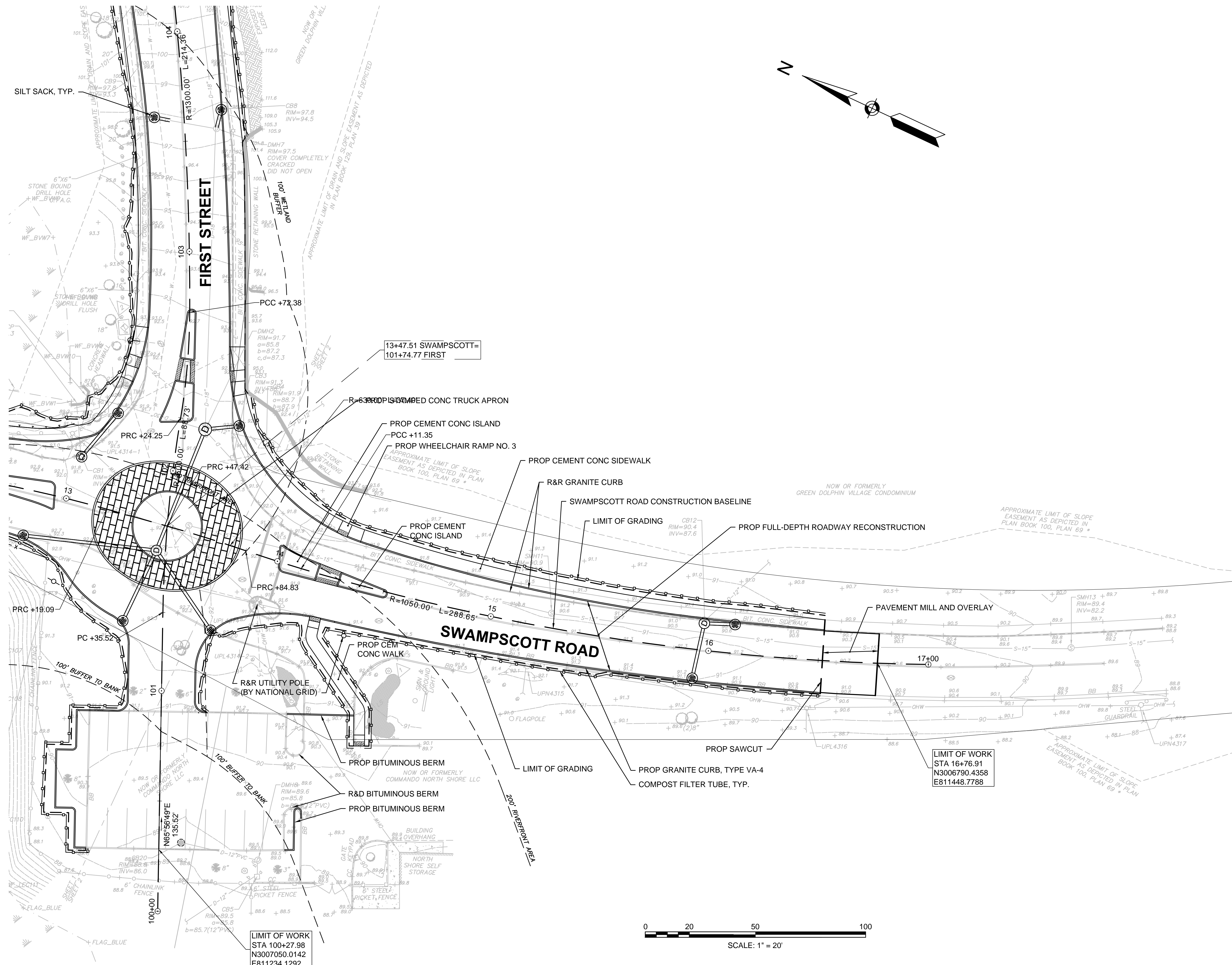
Title  
CONSTRUCTION PLAN - PART 1 OF 2

Project No. 179410490 Scale 1"=20'

Drawing No. Sheet Revision









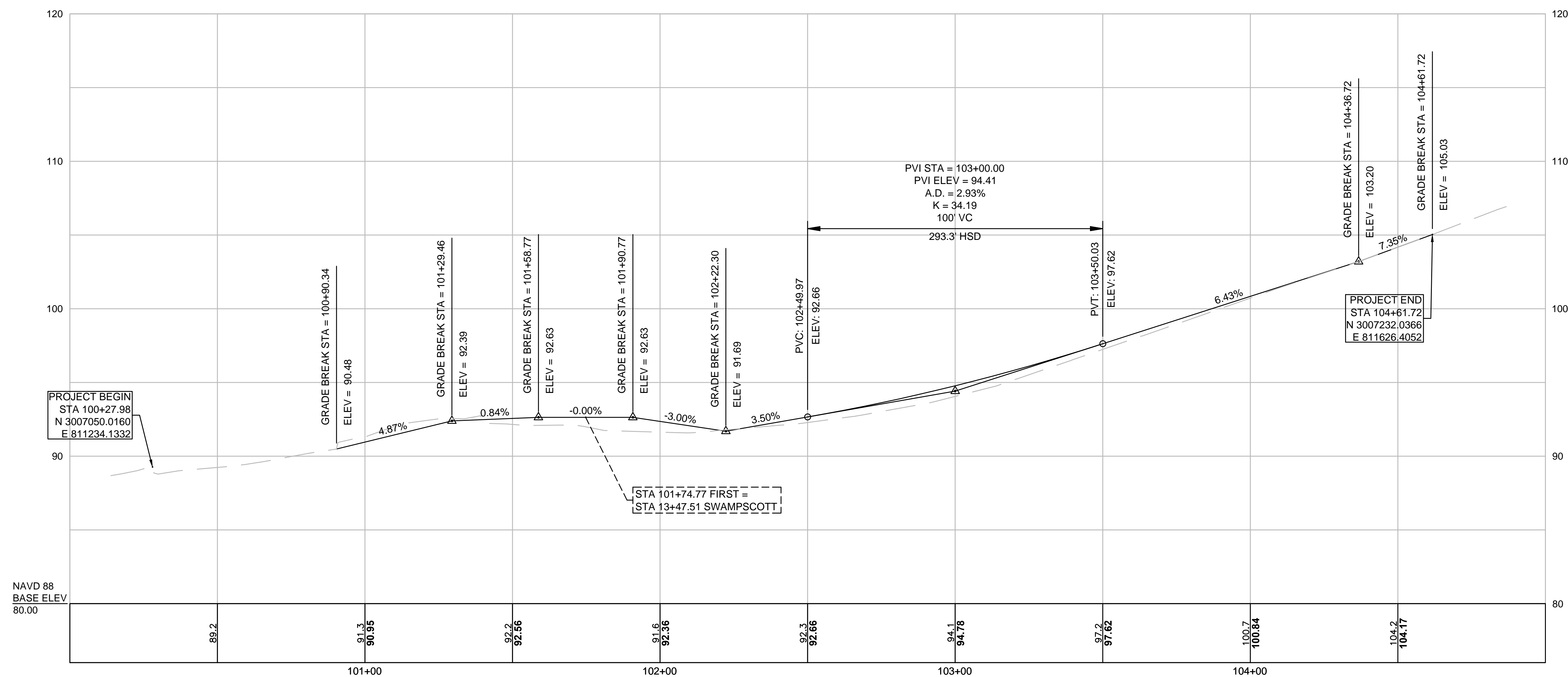
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Legend

Notes



NAVD 88  
BASE ELEV  
80.00

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	SEA	RAA	SEA	17.09.06
profiles.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 FIRST STREET PROFILE

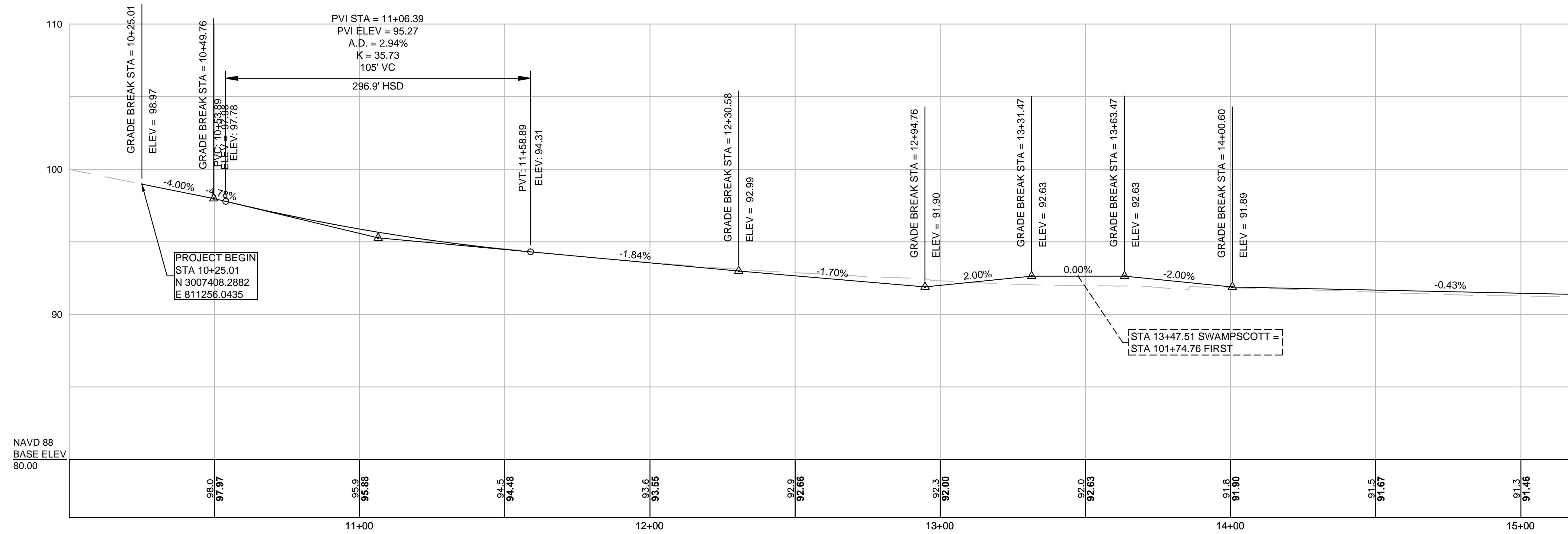
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Drawing No.	Sheet	Revision



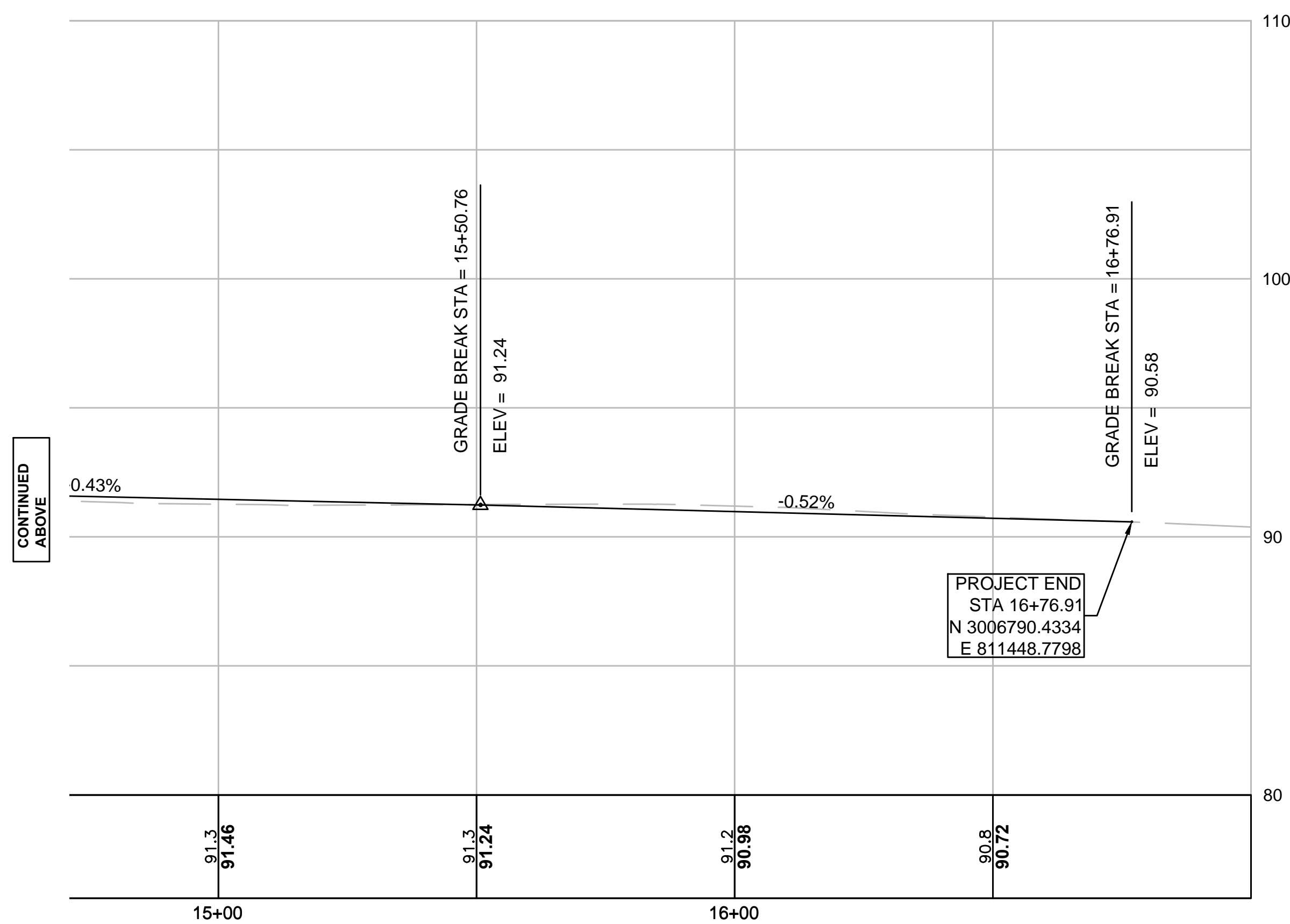
Consultants

Legend

Notes



CONTINUED BELOW



CONTINUED ABOVE

Revision	By	Appd.	YY.MM.DD

File Name: profiles.dwg    SEA    RAA    SEA    17.09.06  
 Dwn.    Chkd.    Dsgn.



Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 SWAMPSCOTT ROAD PROFILE

Project No. 179410490	Scale H:1"=20' V:1"=4'
Drawing No.	Sheet      Revision



Revision	By	Appd.	YY.MM.DD

File Name:	grading plan.dwg	SEA	RAA	SEA	17.09.06
		Dwn.	Chkd.	Dgdn.	YY.MM.DD

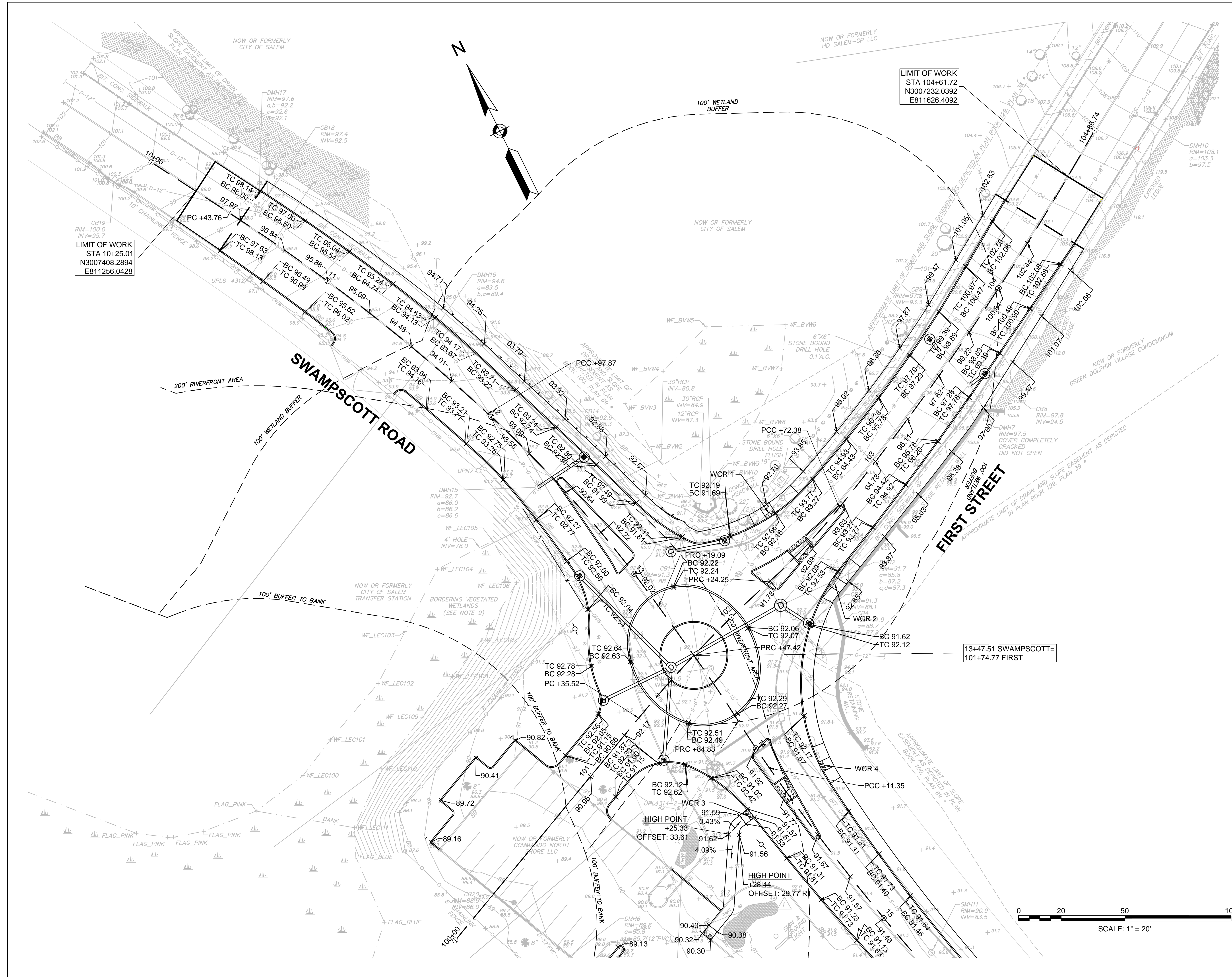
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Client/Project  
City of Salem, MA  
NOTICE OF INTENT PLANS  
Swampscott Road at First Street  
Roundabout Construction  
Salem, MA

Title  
GRADING PLAN - PART 1 OF 2

Project No.	Scale
179410490	1"=20'
Drawing No.	Sheet
	Revision



LIMIT OF WORK  
STA 10+25.01  
N3007408.2894  
E811256.0428

LIMIT OF WORK  
STA 104+61.72  
N3007232.0392  
E811626.4092

13+47.51 SWAMPSCOTT=  
101+74.77 FIRST

0 20 50 100  
SCALE: 1" = 20'



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Consultants

Legend

Notes

Revision	By	Appd.	YY.MM.DD

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File Name:	SEA	RAA	SEA	17.09.06
grading plan.dwg	Dwn.	Chkd.	Dgn.	YY.MM.DD

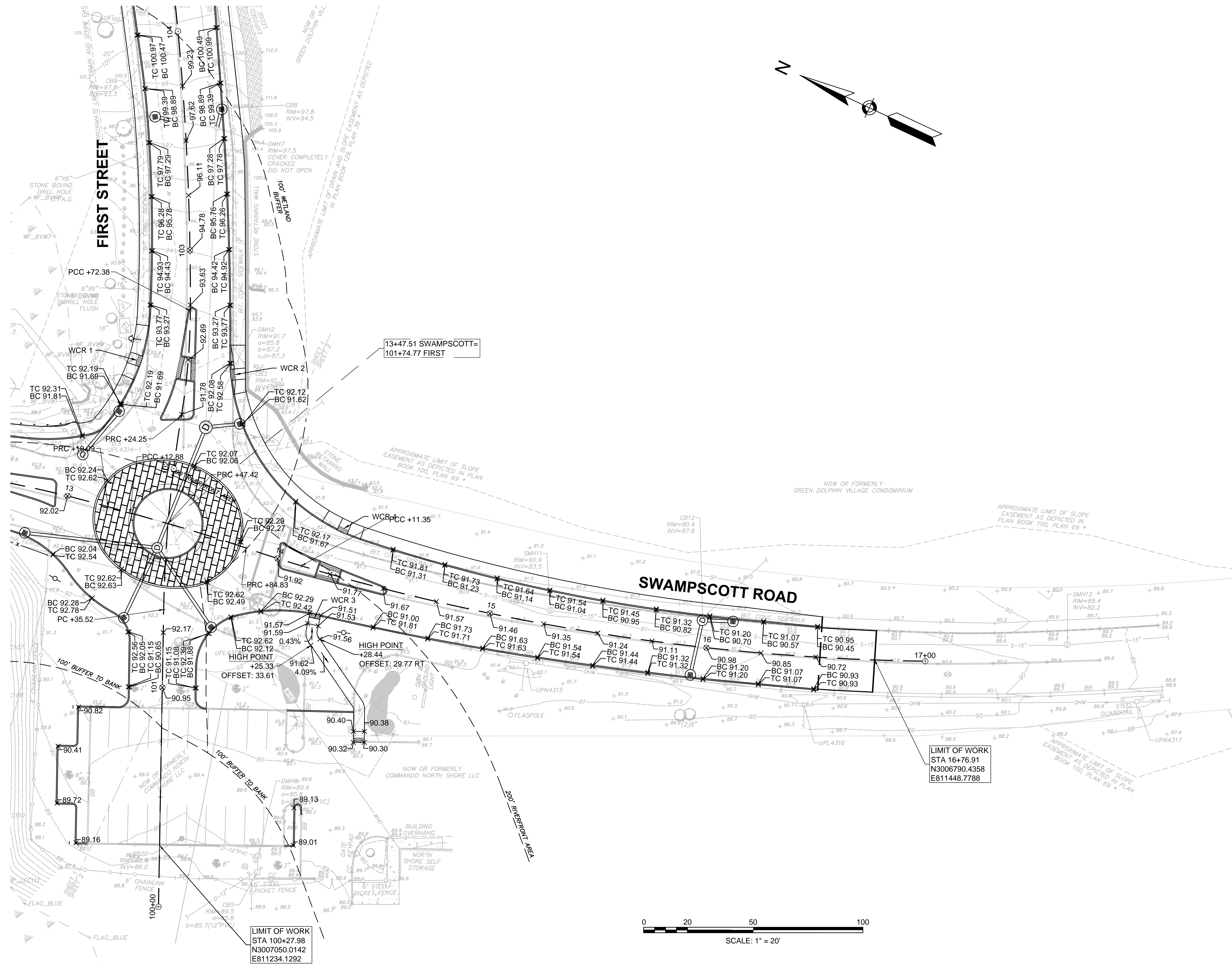
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Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
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 Salem, MA

Title  
 GRADING PLAN - PART 2 OF 2

Project No.	Scale	
179410490	1"=20'	
Drawing No.	Sheet	Revision





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Legend

Notes

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	SEA	RAA	SEA	17.09.06
drain_schedules.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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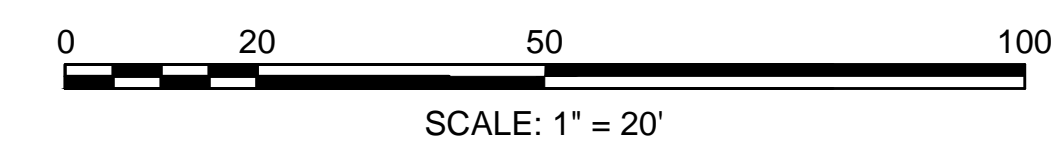
Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swamscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
 DRAINAGE PIPE & STRUCTURE SCHEDULE

Project No. 179410490	Scale NTS
Drawing No.	Sheet Revision

DRAINAGE STRUCTURE TABLE					
NAME	STATION	RIM	OFFSET	INCOMING PIPES	OUTGOING PIPES
E-CB-7	13+02.16	92.43	20.0 LT	I=88.10' (P-CBCI-4)	
E-CB-15	15+96.78	90.75	12.2 LT	I=87.70' (P-CBCI-16) I=87.70' (P-CBCI-17)	
P-CBCI-1	12+43.67	92.42	17.5 LT		I=87.00' ( )
P-CBCI-3	12+84.55	91.98	20.8 RT		I=87.50' (P-DMH-13)
P-CBCI-4	13+12.67	91.70	43.3 LT		I=88.20' (E-CB-7)
P-CBCI-6	13+65.18	91.63	52.9 LT		I=86.30' (P-DMH-19)
P-CBCI-12	13+39.71	92.37	46.8 RT		I=88.20' (P-DMH-13)
P-CBCI-14	13+81.36	92.07	39.3 RT		I=87.00' (P-DMH-13)
P-CBCI-16	16+10.88	90.66	13.1 LT		I=87.80' (E-CB-15)
P-CBCI-17	15+94.10	90.75	13.2 RT		I=87.90' (E-CB-15)
P-DBC8-8	103+61.75	98.11	13.5 LT		I=93.30' ( )
P-DBC8-10	103+63.21	98.13	17.1 RT		I=94.50' ( )
P-DMH-13	13+45.75	92.89	11.9 RT	I=88.00' (P-CBCI-12) I=86.60' (P-CBCI-14) I=87.00' (P-CBCI-3)	I=86.40' (P-DMH-19)
P-DMH-19	13+51.90	91.68	46.9 LT	I=86.20' (P-CBCI-6) I=86.00' (P-DMH-13)	

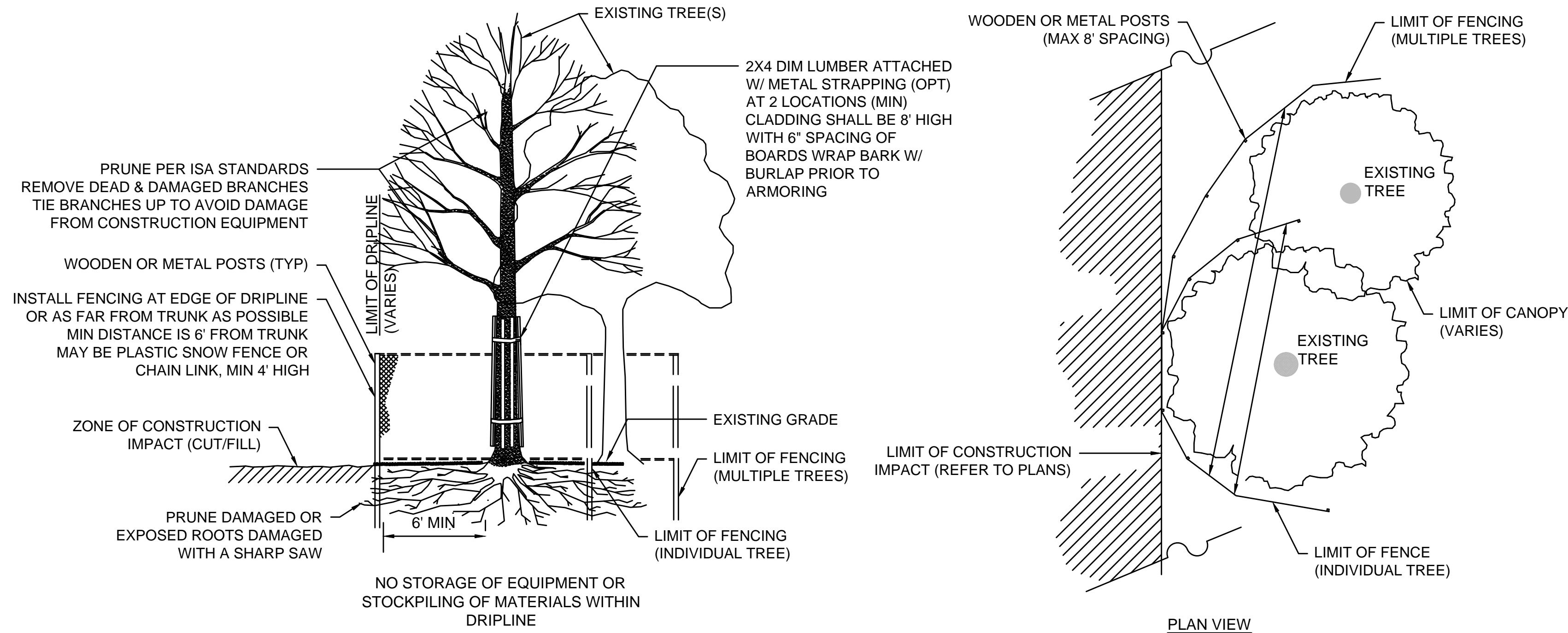
PIPE TABLE			
PIPE	SIZE & TYPE	LENGTH	SLOPE
P-CBCI-1 TO	12" REINFORCED CONCRETE	24 LF	0.015
P-CBCI-3 TO P-DMH-13	12" REINFORCED CONCRETE	57 LF	0.008
P-CBCI-4 TO E-CB-7	12" REINFORCED CONCRETE	22 LF	0.004
P-CBCI-6 TO P-DMH-19	12" REINFORCED CONCRETE	11 LF	0.006
P-CBCI-12 TO P-DMH-13	12" REINFORCED CONCRETE	31 LF	0.006
P-CBCI-14 TO P-DMH-13	12" REINFORCED CONCRETE	40 LF	0.009
P-CBCI-16 TO E-CB-15	12" REINFORCED CONCRETE	10 LF	0.007
P-CBCI-17 TO E-CB-15	12" REINFORCED CONCRETE	22 LF	0.008
P-DBC8-8 TO	12" REINFORCED CONCRETE	5 LF	0.014
P-DBC8-10 TO	12" REINFORCED CONCRETE	6 LF	0.012
P-DMH-13 TO P-DMH-19	12" REINFORCED CONCRETE	55 LF	0.007



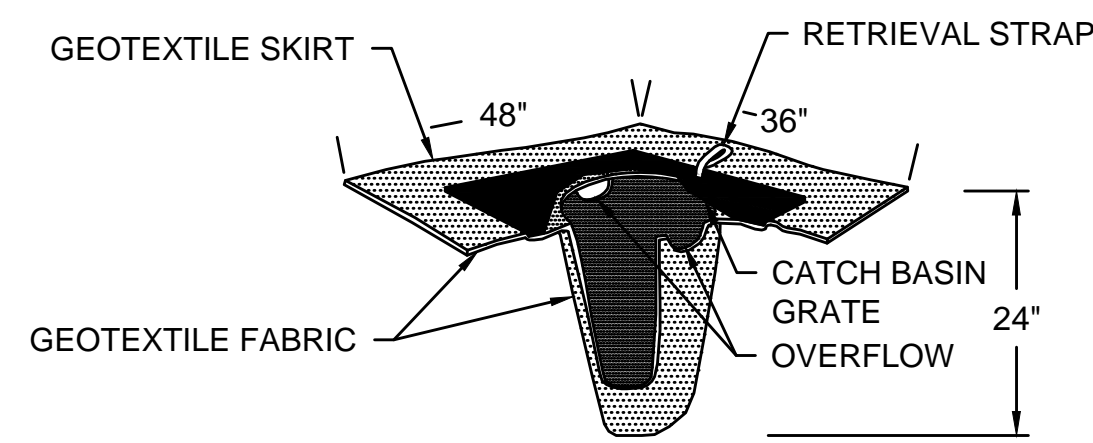


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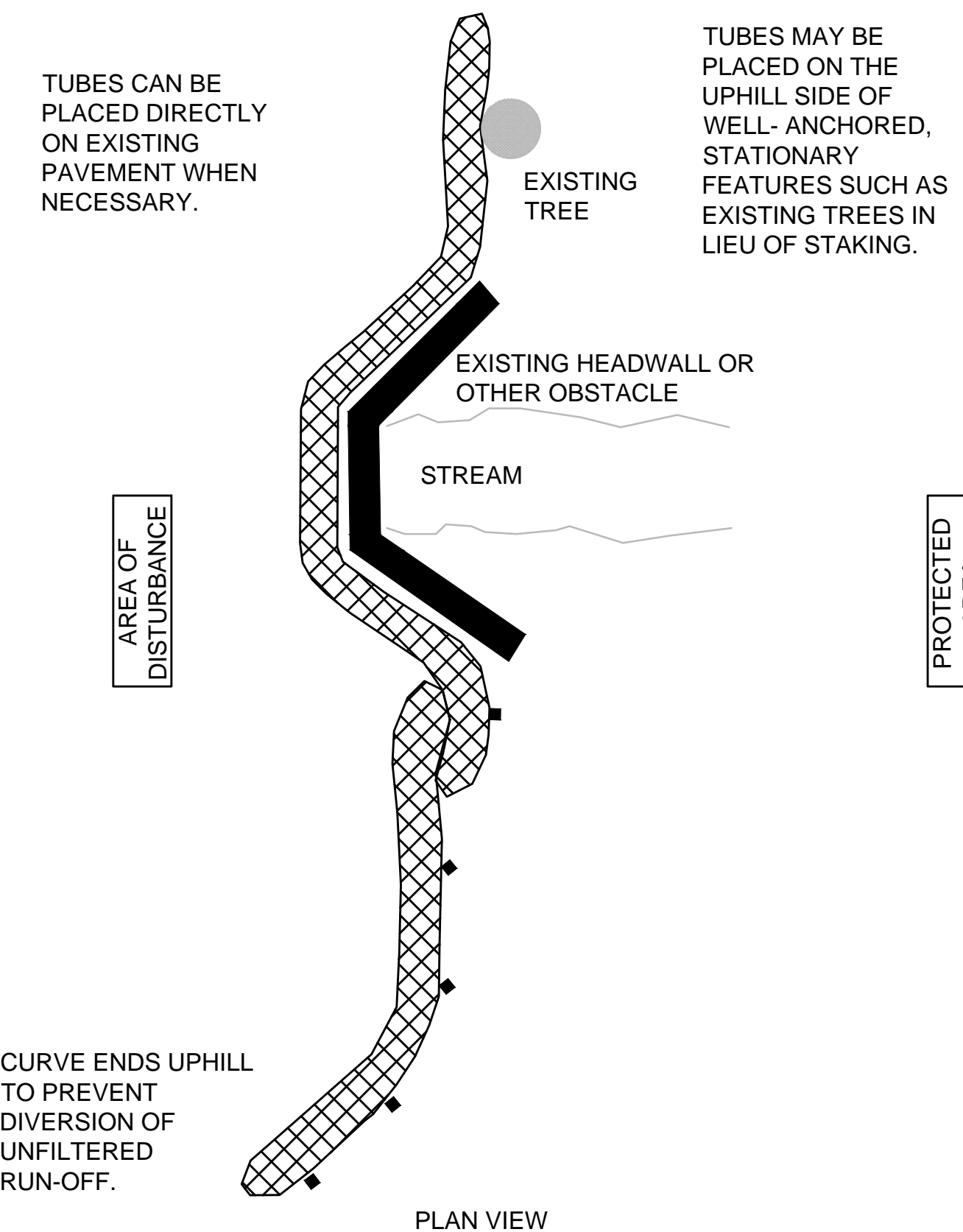
**Consultants**
**Legend**
**Notes**


**TREE PROTECTION - EXISTING TREE(S)**  
NOT TO SCALE



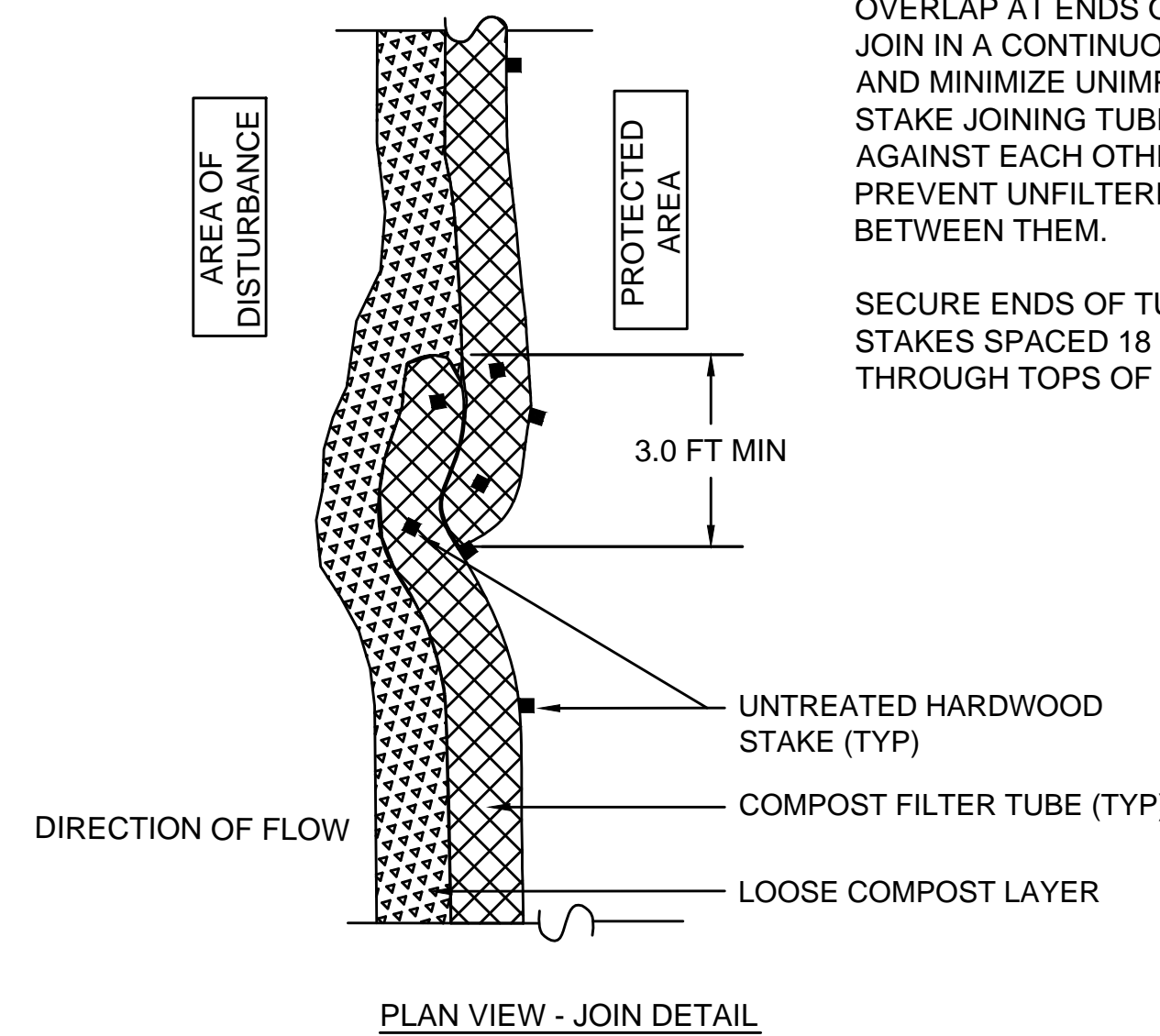
NOTE:  
USE TWO SILT SACKS AT DOUBLE GRATE CATCH BASINS

**SILT SACK FOR SEDIMENT CONTROL**  
NOT TO SCALE

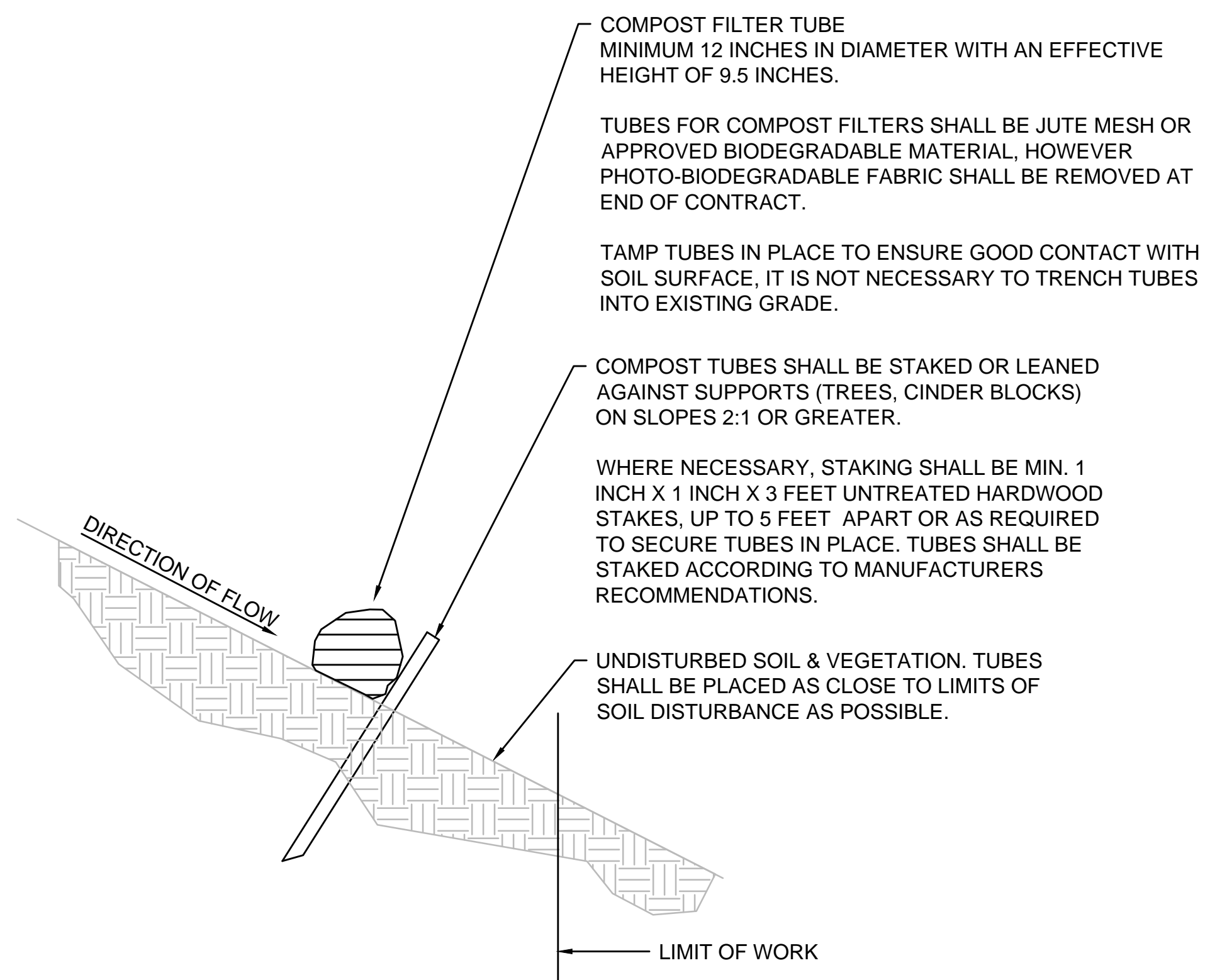


PROVIDE A 3 FT MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM.

SECURE ENDS OF TUBES WITH STAKES SPACED 18 IN APART THROUGH TOPS OF TUBES.




**SINGLE COMPOST FILTER TUBE DETAIL**  
NOT TO SCALE



Revision	By	Appd.	YY.MM.DD

File Name: construction\_details.dwg SEA RAA SEA 17.09.06  
Dwn. Chkd. Dsgn. YY.MM.DD

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Client/Project  
 City of Salem, MA  
 NOTICE OF INTENT PLANS  
 Swampscott Road at First Street  
 Roundabout Construction  
 Salem, MA

Title  
**CONSTRUCTION DETAILS - PART 1**

Project No. 179410490 Scale NOT TO SCALE  
 Drawing No. Sheet Revision