

I HEREBY CERTIFY:

THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR THE PREPARATION OF PLANS AS SET FORTH BY THE REGISTERS OF DEEDS.

[Signature] _____
 DATE: 04/14/2025



PLAN REFERENCES

- "SURVEY OF LAND FOR HENRY G. TYER - ANDOVER, MASS.," DATED 10-6-22; SCALE 40'=1"; PREPARED BY D.W. CLARK C.E.; RECORDED IN E.N.R.D. AS PLAN 1035.
- "TRACED FROM SURVEY OF LAND FOR HENRY G. TYER - ANDOVER, MASS. - BY D.W. CLARK, C.E. AUG 26, 1928 - LINE BETWEEN DRILL HOLES ESTABLISHED BY SURVEY"; DATED JUNE 24, 1947; SCALE 1"=40'; PREPARED BY M.B. BEATTIE, C.E.; RECORDED IN E.N.R.D. AS PLAN 1768.
- "PLAN OF LAND IN ANDOVER - OWNED BY WILLIAM A. & JOAN F. SCHLOTT"; DATED MARCH 12, 1965; SCALE: 1"=40'; PREPARED BY HAYES ENGINEERING INC.; RECORDED IN E.N.R.D. AS PLAN 5222.
- "PLAN OF LAND IN ANDOVER, MASS. - AS DRAWN FOR PETER LENGEMANN"; DATED DECEMBER 1976; SCALE: 1"=40'; PREPARED BY MERRIMACK ENGINEERING SERVICES; RECORDED IN E.N.R.D. AS PLAN 7561.
- "PLAN OF LAND IN ANDOVER, MASSACHUSETTS - LOT H1 / PARCEL "A" - SPRING GROVE ROAD"; DATED MAY 23, 2001; SCALE: 1"=40'; PREPARED BY DANA F. PERKINS, INC.; RECORDED IN E.N.R.D. AS PLAN 14042.
- "PLAN OF LAND IN ANDOVER, MA - PREPARED FOR MARCY A. MAZONSON"; DATED OCTOBER 12, 2010; SCALE: 1"=20'; PREPARED BY MERRIMACK ENGINEERING SERVICES; RECORDED IN E.N.R.D. AS PLAN 16339.

NOTES:

- THE PURPOSE OF THIS PLAN IS TO CREATE ONE LOT AND ONE PARCEL FROM TAX MAP 79, LOT 18.
- ZONING DISTRICT SRB.
- THIS PLAN WAS PREPARED FROM PREVIOUS PLAN(S) OF RECORD AND AN ACTUAL FIELD SURVEY.
- OWNER(S) OF RECORD:
 MINISTERS LANE, LLC
 42 SCHOOL STREET
 ANDOVER, MA 01810
 ENRD BK 17859 PG 271
- MINIMUM LOT AREA = 30,000 S.F.
 MINIMUM FRONTAGE = 150 FT.
 MINIMUM FRONT YARD = 40 FT.
 MINIMUM SIDE YARD = 25 FT.
 MINIMUM REAR YARD = 30 FT.
 MINIMUM LOT WIDTH = 120 FT.

"I, _____, CLERK OF THE TOWN OF ANDOVER, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

 TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

 DATE

FILED _____
 HEARING _____

FOR REGISTRY USE

- LEGEND**
- STONE WALL
 - BOUND FOUND
 - IRON PIPE/ROD FOUND
 - DRILL HOLE FOUND
 - GRANITE BOUND TO BE SET
 - MONUMENT TO BE SET (DRILL HOLE, REBAR W/CAP, OR RAILROAD SPIKE)

Engineer / Surveyor:

DK Engineering LLC
 69 Granite Lane, Chester, NH 03838
 Telephone Number: (603) 405-9298
 E-mail Address: dan@dkelc.com

MINISTERS ESTATES

Engineer:

Surveyor:

Applicant:
MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

Owner(s):
MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

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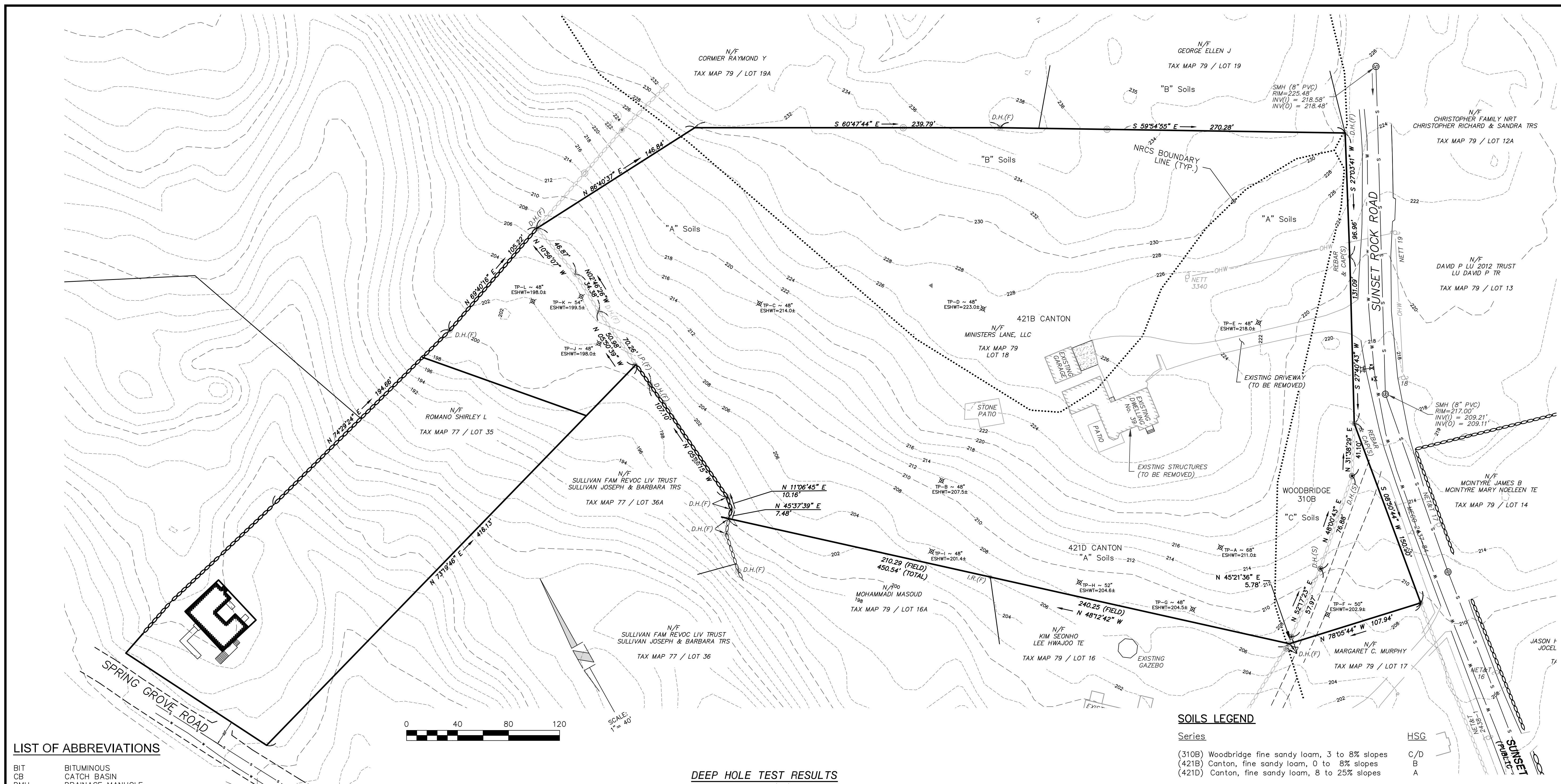
NOT RELEASED FOR CONSTRUCTION

Assessor's Map & Lot:
 Map 79 / Lot 18
 Project No.: 42305 Drawing Scale: 1"=40'
 Plan Date: 04/14/2025 Revised Date:
 Sheet Title:
DEFINITIVE SUBDIVISION PLAN

Sheet No.: **2**

Total No. of Sheets: **7**

Printed on: Apr 14, 2025 - 2:47pm



LIST OF ABBREVIATIONS

BIT	BITUMINOUS
CB	CATCH BASIN
DMH	DRAINAGE MANHOLE
EOP	EDGE OF PAVEMENT
P&R	POST AND RAIL
FFE	FINISHED FLOOR ELEVATION
CCB	CAPE COD BERM
VGC	VERTICAL GRANITE CURB
SGC	SLOPED GRANITE CURB
RR SPIKE	RAIL ROAD SPIKE
I.P.	IRON PIPE
(F)	FOUND
NETT	NEW ENGLAND TELEPHONE & TELEGRAPH
OHW	OVERHEAD WIRE
SSLW	SINGLE SOLID WHITE LINE
SSBY	SINGLE SOLID AND BROKEN YELLOW LINE
SBLW	SINGLE BROKEN WHITE LINE
CONC	CONCRETE
WF	WETLAND FLAG
PIP	PROTECT IN PLACE
TBR	TO BE REMOVED
EX.	EXISTING

LEGEND

	PROPOSED RETAINING WALL
	EXISTING CONTOURS
	EXISTING SEWER
	EXISTING SEWER MANHOLE
	EXISTING DRAINAGE
	EXISTING CATCH BASIN
	EXISTING DRAIN MANHOLE
	EXISTING WATER LINE
	EXISTING HYDRANT
	EXISTING WATER GATE
	EXISTING UTILITY POLE
	PROPOSED CONTOURS
	PROPOSED SEWER
	PROPOSED SEWER MANHOLE
	PROPOSED DRAINAGE
	PROPOSED CATCH BASIN
	PROPOSED DRAIN MANHOLE
	PROPOSED WATER LINE
	PROPOSED HYDRANT
	PROPOSED WATER GATE
	PROPOSED GUARDRAIL
	EROSION CONTROL LINE
	PROP. BOUND
	TREELINE

DEEP HOLE TEST RESULTS
TEST DATE: 03/07/2025
BY: MAUREEN HERALD

TP	EL	Soil Profile	Notes
TP-A	216.7	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (30" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (68" C)	O.W.T. - NONE E.S.W.T. @ 68" REFUSAL - NONE EL = 211.0
TP-B	211.5	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (76" C)	O.W.T. - 73" E.S.W.T. @ 48" REFUSAL - NONE EL = 207.5
TP-C	218.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (93" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 214.0
TP-D	227.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (90" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 223.0
TP-E	222.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (38" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (83" C)	O.W.T. - 65" E.S.W.T. @ 48" REFUSAL - NONE EL = 218.0
TP-F	207.1	FINE SANDY LOAM 10YR 2/2 (14" Ap) FINE SANDY LOAM 10YR 3/6 (30" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (88" C)	O.W.T. - 51" E.S.W.T. @ 50" REFUSAL - NONE EL = 202.9
TP-G	208.5	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (30" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (57" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 204.5
TP-H	209.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (95" C)	O.W.T. - NONE E.S.W.T. @ 52" REFUSAL - NONE EL = 204.6
TP-I	205.4	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (72" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 201.4
TP-J	202.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (90" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 198.0
TP-K	204.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (100" C)	O.W.T. - NONE E.S.W.T. @ 54" REFUSAL - NONE EL = 199.5
TP-L	202.0	FINE SANDY LOAM 10YR 2/2 (12" Ap) FINE SANDY LOAM 10YR 3/6 (24" Bw) LOAMY SAND & GRAVEL 2.5Y 6/6 (84" C)	O.W.T. - NONE E.S.W.T. @ 48" REFUSAL - NONE EL = 198.0

SOILS LEGEND

Series	HSG
(310B) Woodbridge fine sandy loam, 3 to 8% slopes	C/D
(421B) Canton, fine sandy loam, 0 to 8% slopes	B
(421D) Canton, fine sandy loam, 8 to 25% slopes	A

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TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

DATE

FILED _____
HEARING _____

Engineer / Surveyor:

DK Engineering LLC
69 Granite Lane, Chester, NH 03038
Telephone Number: (603) 405-9298
E-mail Address: dan@dkelc.com

FINDEISEN SURVEY & DESIGN LLC
P.O. Box 612, Sandown, New Hampshire 03879
E-mail Address: FSDLLC@gmail.com

Engineer:

Surveyor:

Applicant:

MINISTERS LANE LLC
42 School Street
Andover, MA 01810

Owner(s):

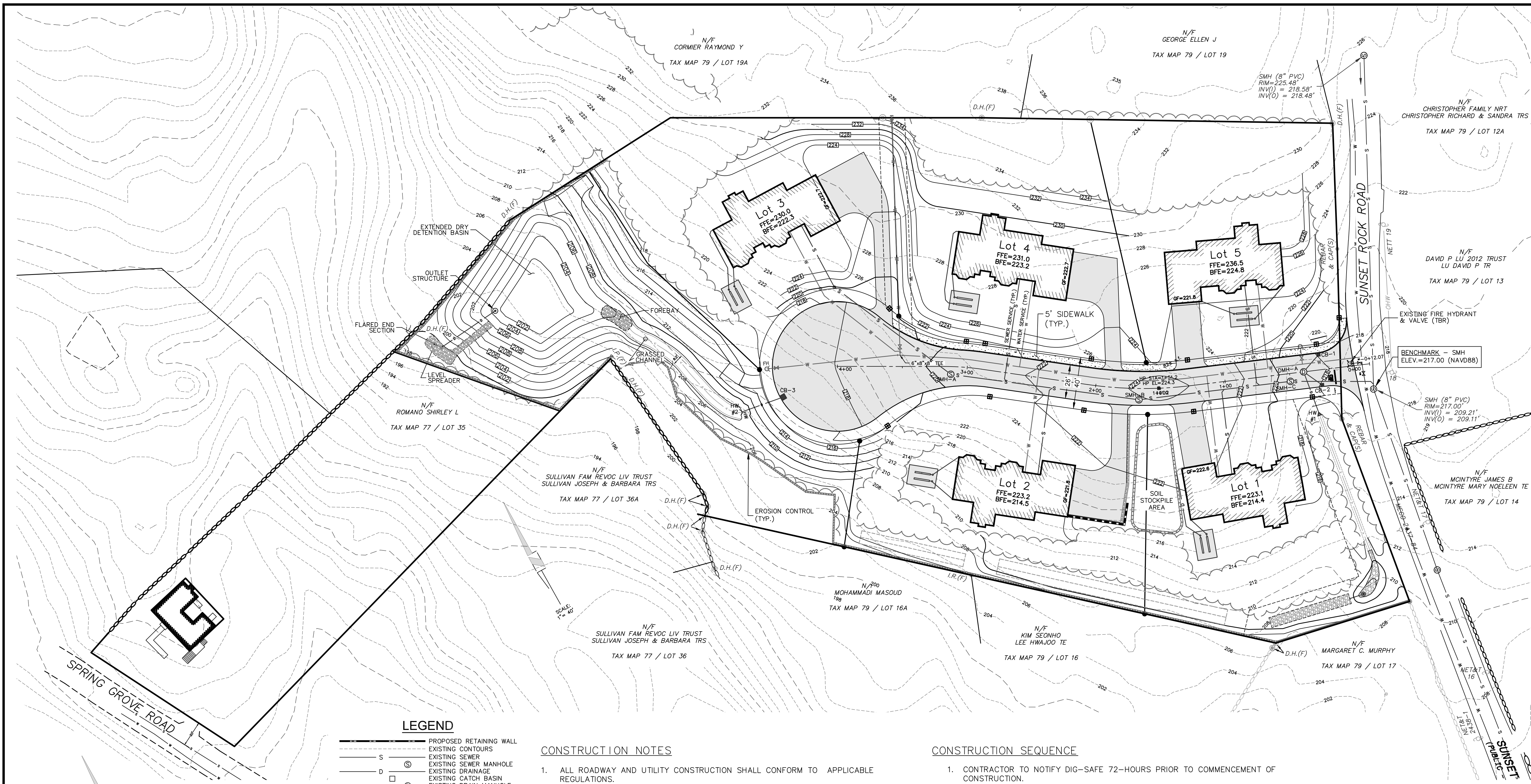
MINISTERS LANE LLC
42 School Street
Andover, MA 01810

NO.	DATE	BY	DESCRIPTION
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NOT RELEASED FOR CONSTRUCTION

Assessor's Map & Lot: Map 79 / Lot 18
Project No.: 42305 Drawing Scale: 1"=40'
Plan Date: 04/14/2025 Revised Date:
Sheet Title: EXISTING CONDITIONS PLAN
Sheet No.: **3**
Total No. of Sheets: 7

Drawing Name: D:\Users\dkelc\Documents\Projects\42305 - ABC - 39 - Sunset Rock Rd - Andover\Map 79\42305 - 04 - F.dwg
Printed on: Apr 14, 2025 - 2:47pm



LEGEND

—	PROPOSED RETAINING WALL
—	EXISTING CONTOURS
S	EXISTING SEWER
D	EXISTING SEWER MANHOLE
□	EXISTING DRAINAGE
□	EXISTING CATCH BASIN
W	EXISTING DRAIN MANHOLE
W	EXISTING WATER LINE
W	EXISTING HYDRANT
W	EXISTING WATER GATE
W	EXISTING UTILITY POLE
—	PROPOSED CONTOURS
D	PROPOSED SEWER MANHOLE
□	PROPOSED DRAINAGE
□	PROPOSED CATCH BASIN
W	PROPOSED DRAIN MANHOLE
W	PROPOSED WATER LINE
W	PROPOSED HYDRANT
W	PROPOSED WATER GATE
W	PROPOSED GUARDRAIL
—	EROSION CONTROL LINE
—	PROP. BOUND
—	TREELINE

LIST OF ABBREVIATIONS

BFE	BASEMENT FLOOR ELEVATION
BIT	BITUMINOUS
CB	CATCH BASIN
C.O.	CLEAN OUT
DMH	DRAINAGE MANHOLE
EOP	EDGE OF PAVEMENT
P&R	POST AND RAIL
FFE	FINISHED FLOOR ELEVATION
CCB	CAPE COD BERM
VGC	VERTICAL GRANITE CURB
SGC	SLOPED GRANITE CURB
RR SPIKE	RAIL ROAD SPIKE
I.P.	IRON PIPE
(F)	FOUND
NETT	NEW ENGLAND TELEPHONE & TELEGRAPH OVERHEAD WIRE
SSLW	SINGLE SOLID WHITE LINE
SSBW	SINGLE SOLID AND BROKEN YELLOW LINE
SBLW	SINGLE BROKEN WHITE LINE
CONC	CONCRETE
WF	WETLAND FLAG
PIP	PROTECT IN PLACE
TBR	TO BE REMOVED
EX.	EXISTING

CONSTRUCTION NOTES

- ALL ROADWAY AND UTILITY CONSTRUCTION SHALL CONFORM TO APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS PRIOR TO AND/OR DURING CONSTRUCTION. THE DESIGN ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH WORK.
- ALL SLOPES ARE 3:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE SHOWN.
- ALL PIPE LENGTHS ARE FOR BIDDING INFORMATION ONLY AND ACTUAL LENGTHS MAY VARY SLIGHTLY. PIPE LENGTHS ARE MEASURED FROM THE CENTER OF THE STRUCTURE.
- EROSION CONTROL MEASURES SUCH AS SILT SOX, SILT FENCES, DRAINAGE DIVERSIONS ETC. SHALL BE INSTALLED AND MAINTAINED ON A CONTINUOUS BASIS IN ORDER TO PROTECT OFFSITE AREAS DURING CONSTRUCTION.
- ALL STORM DRAINS SHALL BE 12" MIN. HIGH DENSITY POLYETHYLENE (HDPE) PIPE OR EQUIVALENT.
- ALL WATER MAINS SHALL BE 8" CLASS 52 CEMENT LINED DUCTILE IRON (CLDI) PIPE.
- ALL SANITARY SEWER SHALL BE POLYVINYL CHLORIDE (PVC). ALL JOINTS SHALL BE OF THE RUBBER GASKET TYPE.
- BENCHMARK: SHOWN HEREON AS THE SEWER MANHOLE COVER IN SUNSET ROCK ROAD.
- ALL CATCH BASINS SHALL USE LeBARON LAG 266-3 FRAME & GRATE. ALL SEWER OR DRAIN MANHOLES SHALL USE LeBARON LT 106 FRAME & GRATE.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN ALL SEWER AND WATER LINES SHALL BE 10'. WHERE THE MINIMUM HORIZONTAL SEPARATION CAN NOT BE OBTAINED, THE SEWER LINE SHALL BE A MINIMUM OF 18" BELOW THE WATER LINE. WHERE NEITHER THE HORIZONTAL NOR VERTICAL SEPARATION CAN BE OBTAINED, BOTH LINES SHALL BE ENCASED IN CONCRETE FOR A DISTANCE OF 10' BEYOND THE AFFECTED AREA. THE HORIZONTAL AND VERTICAL SEPARATION SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- ALL DISTURBED AREAS WHICH WILL NOT BE COVERED WITH IMPERVIOUS MATERIAL SHALL BE LOAMED AND SEEDDED.

CONSTRUCTION SEQUENCE

- CONTRACTOR TO NOTIFY SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO GRUBBING OF CLEARED AREAS, ALL SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION OF CONSTRUCTION ACCESS.
- CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION AREAS TO EXTENT NECESSARY. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR ACCORDING TO STATE AND LOCAL REGULATIONS.
- COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR ACCORDING TO STATE AND LOCAL REGULATIONS. ORGANIC MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEEDDED WITH WINTER RYE AND SURROUNDED WITH HAY BALES OR SILT SOCKS.
- CONSTRUCT INFILTRATION BASIN, GRASS CHANNEL AND DRAINAGE SWALE.
- STABILIZE ALL DITCH LINES AND POND PRIOR TO DIRECTING FLOW TO THEM. CONSTRUCT CLOSED DRAINAGE SYSTEM AND OTHER SUBSURFACE UTILITIES. SLOPES AND EMBANKMENTS SHALL BE STABILIZED BY TRACKING AND TEMPORARY SEEDING WITH WINTER RYE PRIOR TO TURF ESTABLISHMENT. ALL DITCHES, PONDS, AND SWALES SHALL BE STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THEM.
- ALL SWALES AND DITCH LINES SHALL BE PROTECTED FROM EROSION BY IMPLEMENTATION OF SILT SOCKS AS SHOWN ON PROJECT PLANS.
- APPLY TOPSOIL TO SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAYBE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS HAS BECOME ESTABLISHED.
- INSTALL FINISHED GRAVEL FOR PAVEMENT BASE MATERIALS.



FOR REGISTRY USE

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_____ TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

_____ DATE

FILED _____

HEARING _____

Engineer / Surveyor:

DK Engineering LLC
 69 Granite Lane, Chester, NH 03038
 Telephone Number: (603) 405-9298
 E-mail Address: dan@dkelc.com

FINDISEN SURVEY & DESIGN LLC
 P.O. Box 612, Sandown, New Hampshire 03079
 E-mail Address: FSDLLC@gmail.com

Engineer:

DANIEL KORAVOS
 CIVIL
 No. 37752
 REGISTERED PROFESSIONAL ENGINEER

Surveyor:

Applicant:

MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

Owner(s):

MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

NO.	DATE	BY	DESCRIPTION
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ASSESSOR'S MAP & LOT: Map 79 / Lot 18
 Project No.: 42305 Drawing Scale: 1"=40'
 Plan Date: 04/14/2025 Revised Date: _____

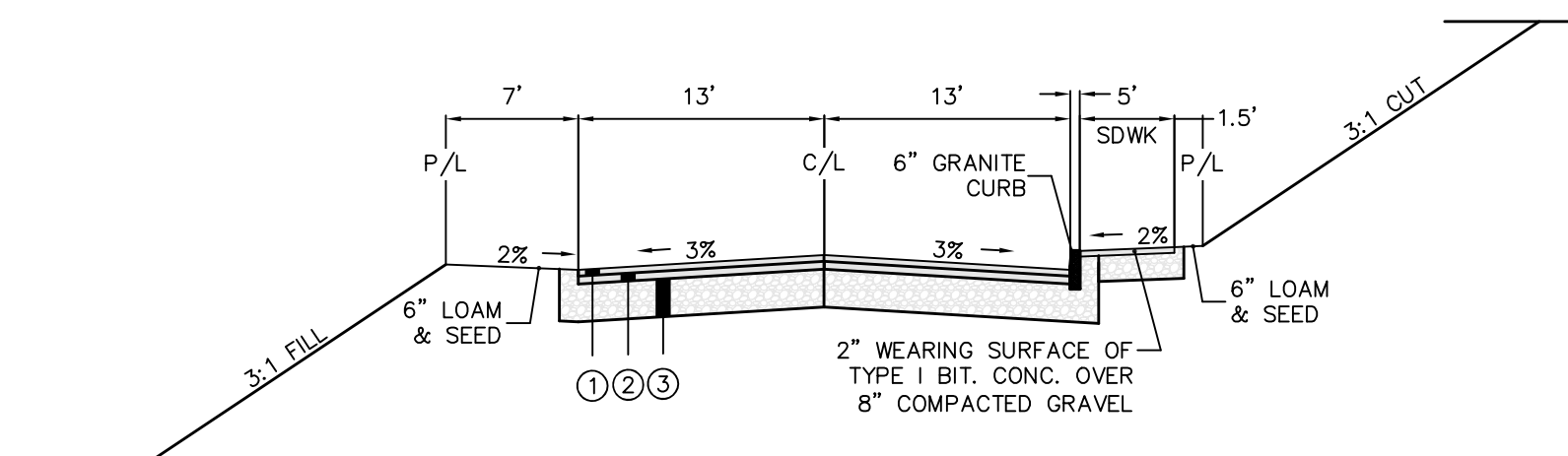
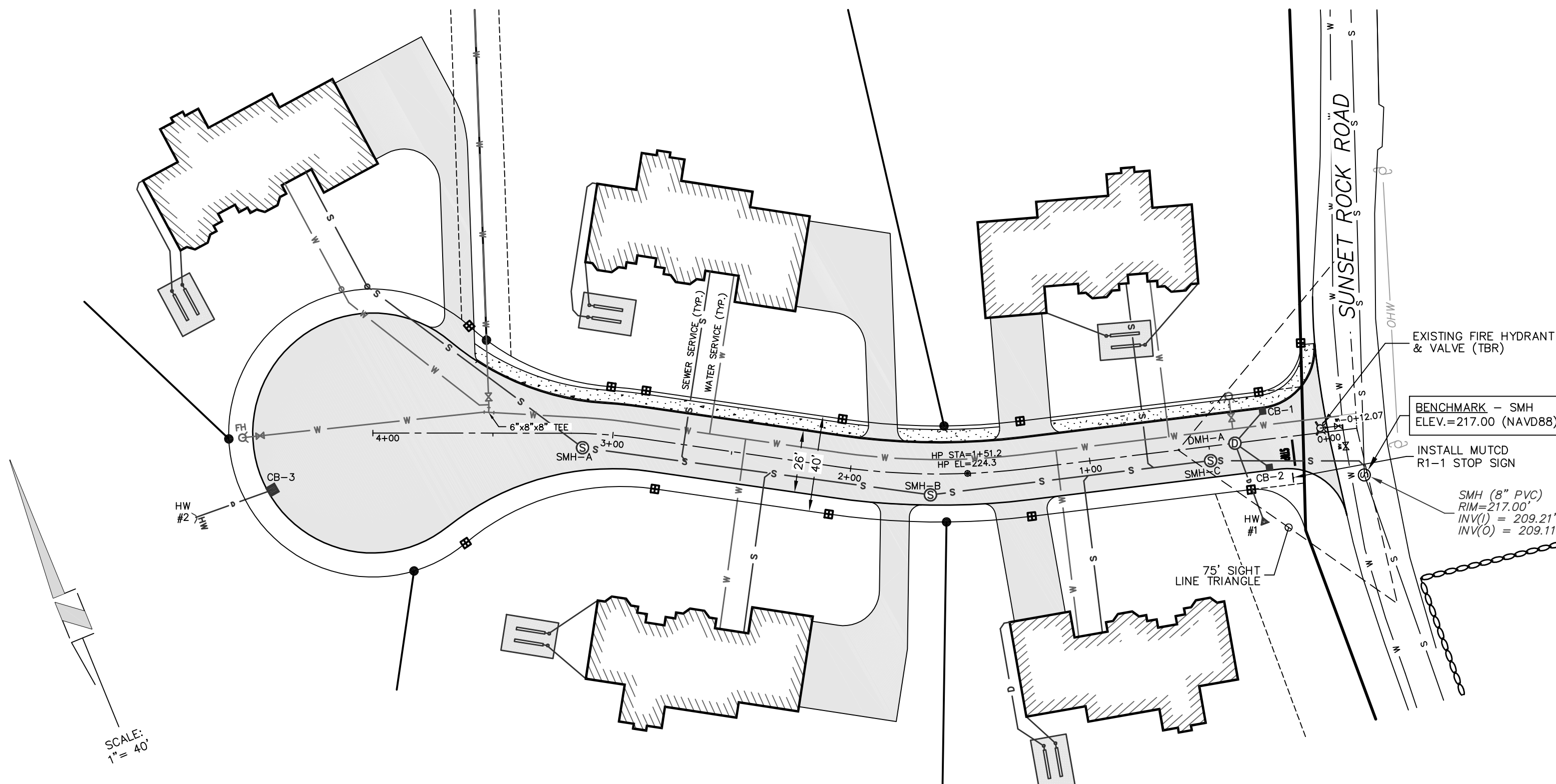
Sheet Title:
GRADING & EROSION CONTROL PLAN

Sheet No.: **4**

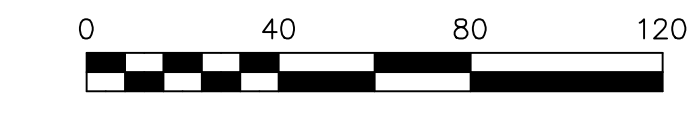
Total No. of Sheets: **7**

NOT RELEASED FOR CONSTRUCTION

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 Printed on: Apr 14, 2025 - 2:47pm



TYPICAL ROAD CROSS SECTION
N.T.S.



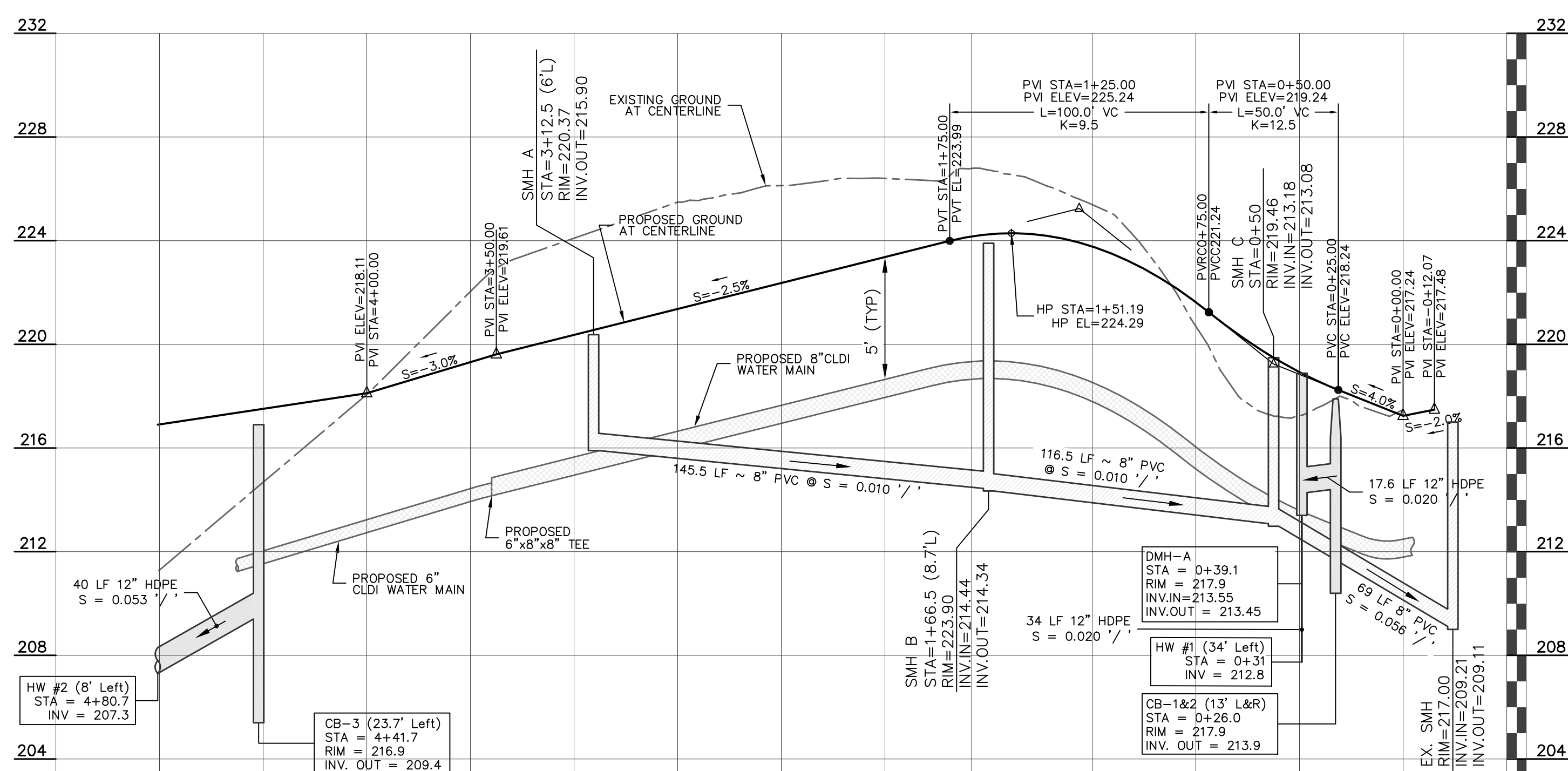
SCALE:
1 Inch = 40 Feet (Horizontal)
MINISTERS LANE

LIST OF ABBREVIATIONS

- BIT BITUMINOUS
- CB CATCH BASIN
- DMH DRAINAGE MANHOLE
- EOP EDGE OF PAVEMENT
- P&R POST AND RAIL
- FTE FINISHED FLOOR ELEVATION
- CCB CAPE COD BERM
- VCC VERTICAL GRANITE CURB
- SGC SLOPED GRANITE CURB
- RR SPIKE RAIL ROAD SPIKE
- I.P. IRON PIPE
- (F) FOUND
- NETT NEW ENGLAND TELEPHONE & TELEGRAPH
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- SBWL SINGLE BROKEN WHITE LINE
- CONC CONCRETE
- WF WETLAND FLAG
- PIP PROTECT IN PLACE
- TBR TO BE REMOVED
- EX. EXISTING

LEGEND

- PROPOSED RETAINING WALL
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- PROPOSED HYDRANT
- PROPOSED WATER GATE
- PROPOSED GUARDRAIL
- EROSION CONTROL LINE
- PROP. BOUND
- TREELINE



SCALE:
1 Inch = 40 Feet (Horizontal)
1 Inch = 4 Feet (Vertical)

MINISTERS LANE PROFILE

"I, _____, CLERK OF THE TOWN OF ANDOVER, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

_____ TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

DATE

FILED _____
HEARING _____

Engineer / Surveyor:

DK Engineering LLC
69 Charles Lane, Chester, VT 05638
Phone: (802) 456-4298
Fax: (802) 456-4298
E-mail: dk@dkeng.com

MINISTERS ESTATES

Engineer:

DANIEL KORAVOS CIVIL
No. 37752
PROFESSIONAL ENGINEER

Surveyor:

Applicant:

MINISTERS LANE LLC
42 School Street
Andover, MA 01810

Owner(s):

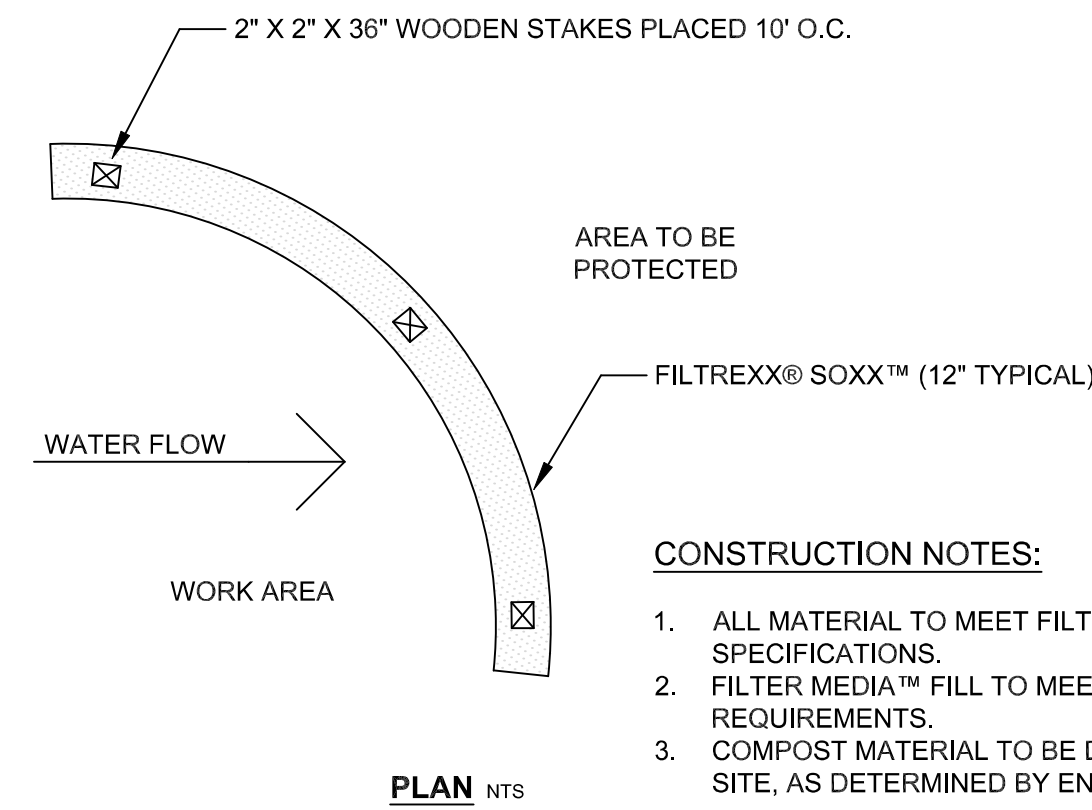
MINISTERS LANE LLC
42 School Street
Andover, MA 01810

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Assessor's Map & Lot:
Map 79 / Lot 18
Project No.: 42305 Drawing Scale: 1"=40'
Plan Date: 04/14/2025 Revised Date:
Sheet Title:
PLAN & PROFILE SHEET
Sheet No.: **5**
Total No. of Sheets: 7

NOT RELEASED FOR CONSTRUCTION

D:_data\Projects\42305 - ABC - 39 Sunset Rock Rd - Andover\Layout\42305 - DP - 39 - SR - 2025-04-14.dwg
Printed on Apr 14, 2025 - 7:53pm

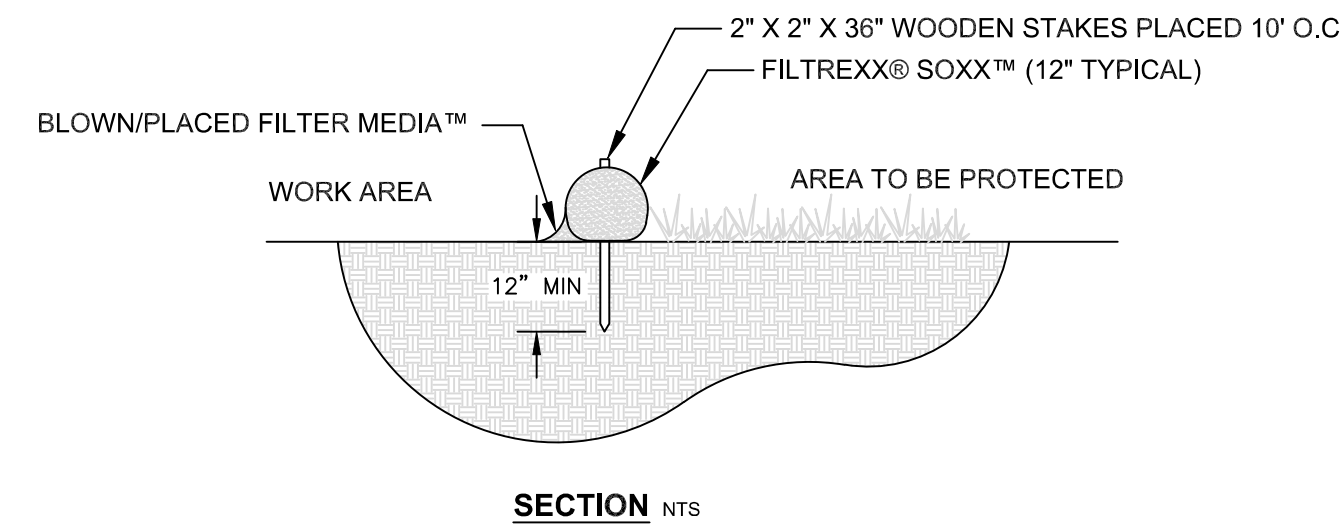


FILTREXX® SEDIMENT CONTROL
N.T.S.

COMPOST FILTER SOCK

INSTALLATION

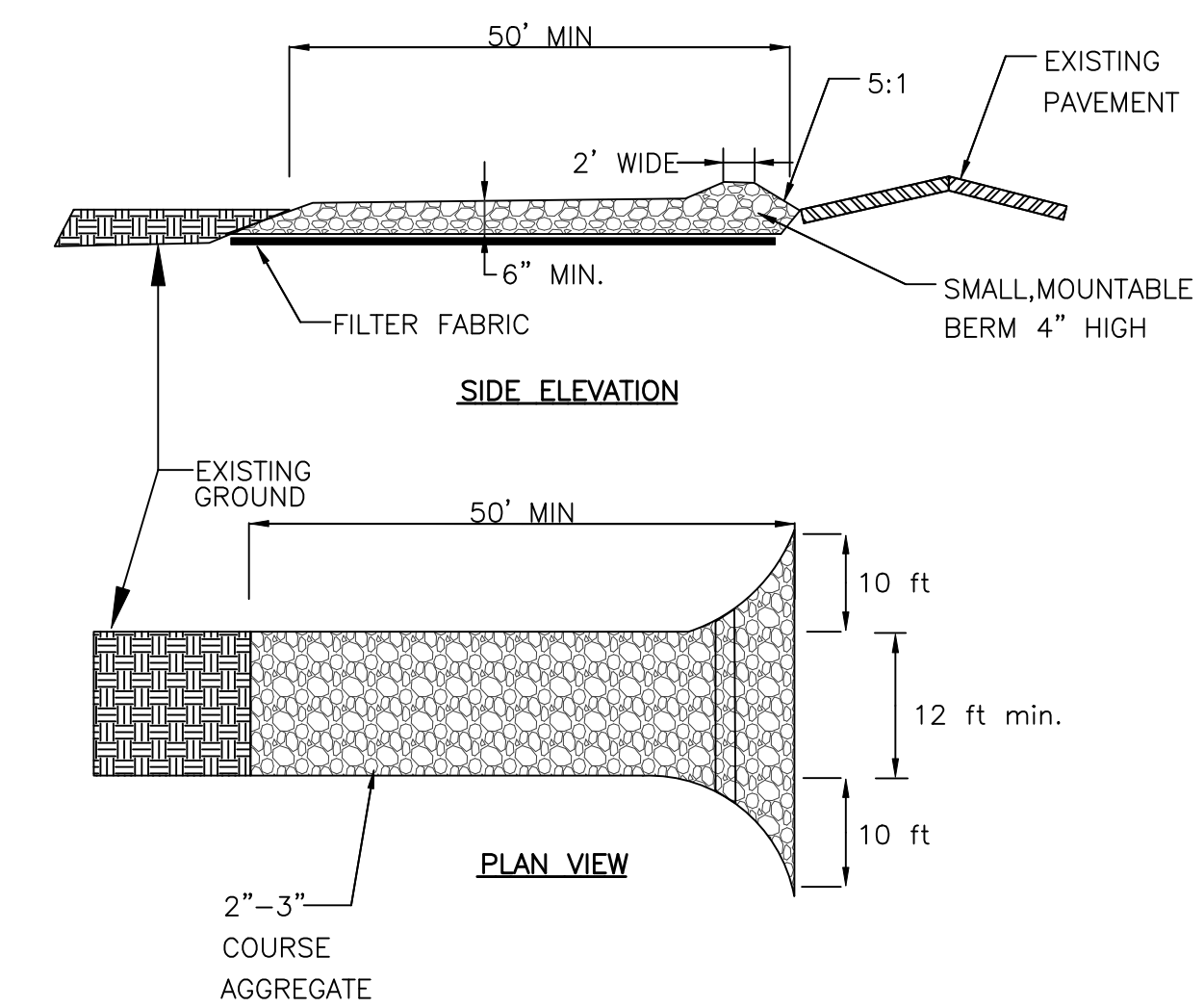
1. PERIMETER CONTROL USED FOR CONTROL OF SEDIMENT IN STORM RUNOFF SHALL MEET FILTREXX SOXX MESH MATERIAL AND FILTREXX CERTIFIED FILTERMEDIA SPECIFICATIONS.
2. PERIMETER CONTROL WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AND IN A MANNER AS DIRECTED BY THE ENGINEER OR MANUFACTURER.
3. PERIMETER CONTROL SHOULD BE INSTALLED PARALLEL TO THE BASE OF THE SLOPE OR OTHER DISTURBED AREA.
4. EFFECTIVE SOXX HEIGHT IN THE FIELD FOR 12" DIAMETER SOXX SHOULD BE = 9.5" HIGH.
5. STAKES SHOULD BE INSTALLED THROUGH THE MIDDLE OF THE PERIMETER CONTROL ON 10 FT CENTERS, USING NOMINAL 2 IN BY 2 IN BY 3 FT WOODEN STAKES.
6. STAKING DEPTH FOR SAND AND SILT LOAM SOILS SHALL BE 12 IN.
7. LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE PERIMETER CONTROL, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.



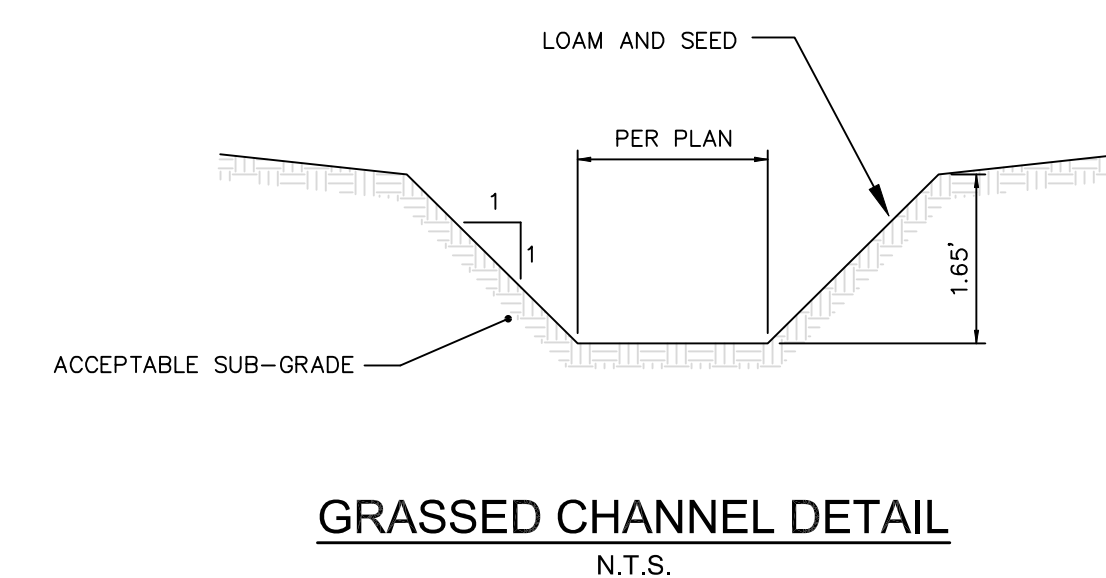
INSPECTION & MAINTENANCE

ROUTINE INSPECTION SHOULD BE CONDUCTED WITHIN 24 HRS OF A RUNOFF EVENT OR AS DESIGNATED BY THE REGULATING AUTHORITY. PERIMETER CONTROL SHOULD BE REGULARLY INSPECTED TO MAKE SURE THEY MAINTAIN THEIR SHAPE AND ARE PRODUCING ADEQUATE HYDRAULIC FLOW-THROUGH. IF PONDING BECOMES EXCESSIVE, ADDITIONAL PERIMETER CONTROL MAY BE REQUIRED TO REDUCE EFFECTIVE SLOPE LENGTH OR SEDIMENT REMOVAL MAY BE NECESSARY. PERIMETER CONTROL SHALL BE INSPECTED UNTIL AREA ABOVE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.

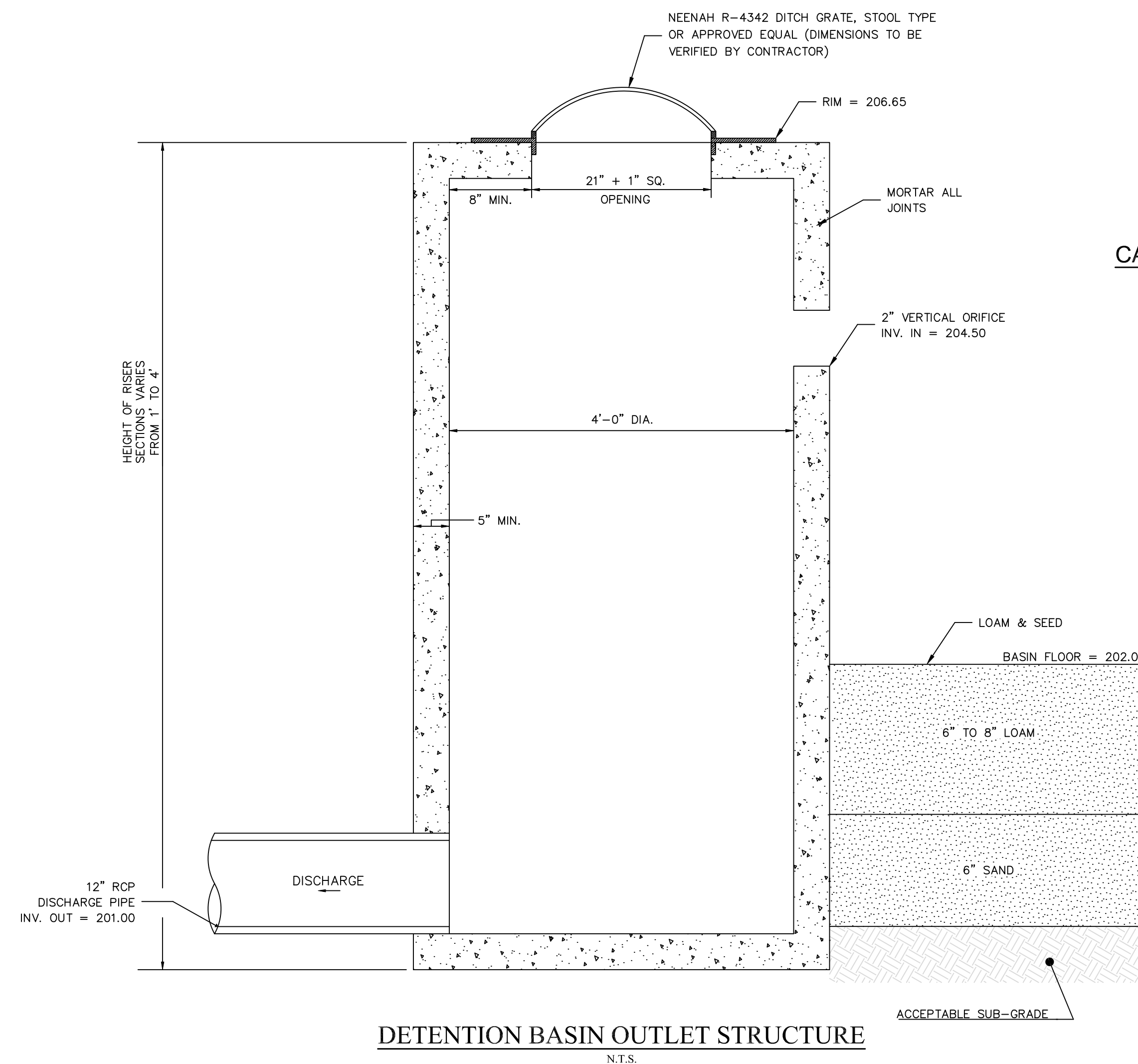
1. THE CONTRACTOR SHALL MAINTAIN THE PERIMETER CONTROL IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. IF THE PERIMETER CONTROL HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE PERIMETER CONTROL WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SOXX, OR AS DIRECTED BY THE ENGINEER. ALTERNATIVELY, A NEW PERIMETER CONTROL CAN BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.
4. PERIMETER CONTROL SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
5. THE FILTERMEDIA WILL BE DISPERSED ON SITE ONCE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY HAS CEASED, OR AS DETERMINED BY THE ENGINEER.
6. FOR LONG-TERM SEDIMENT AND POLLUTION CONTROL APPLICATIONS, PERIMETER CONTROL CAN BE SEEDED AT THE TIME OF INSTALLATION TO CREATE A VEGETATIVE FILTERING SYSTEM FOR PROLONGED AND INCREASED FILTRATION OF SEDIMENT (CONTAINED VEGETATIVE FILTER STRIP). THE APPROPRIATE SEED MIX SHALL BE DETERMINED BY THE ENGINEER.



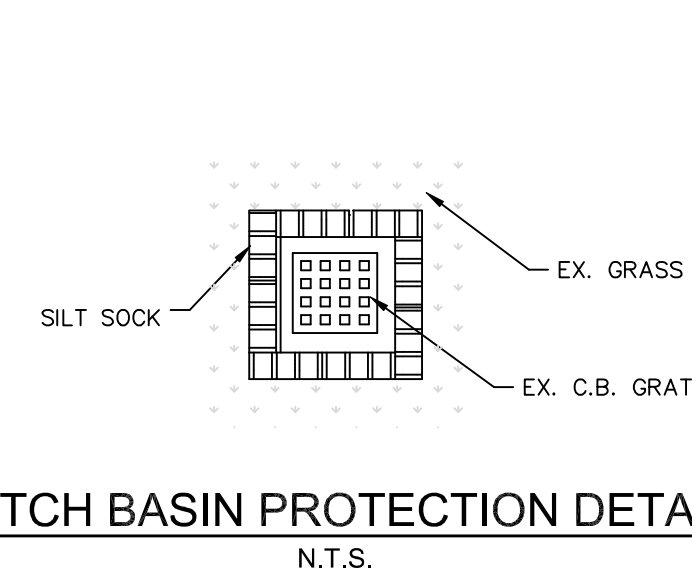
TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



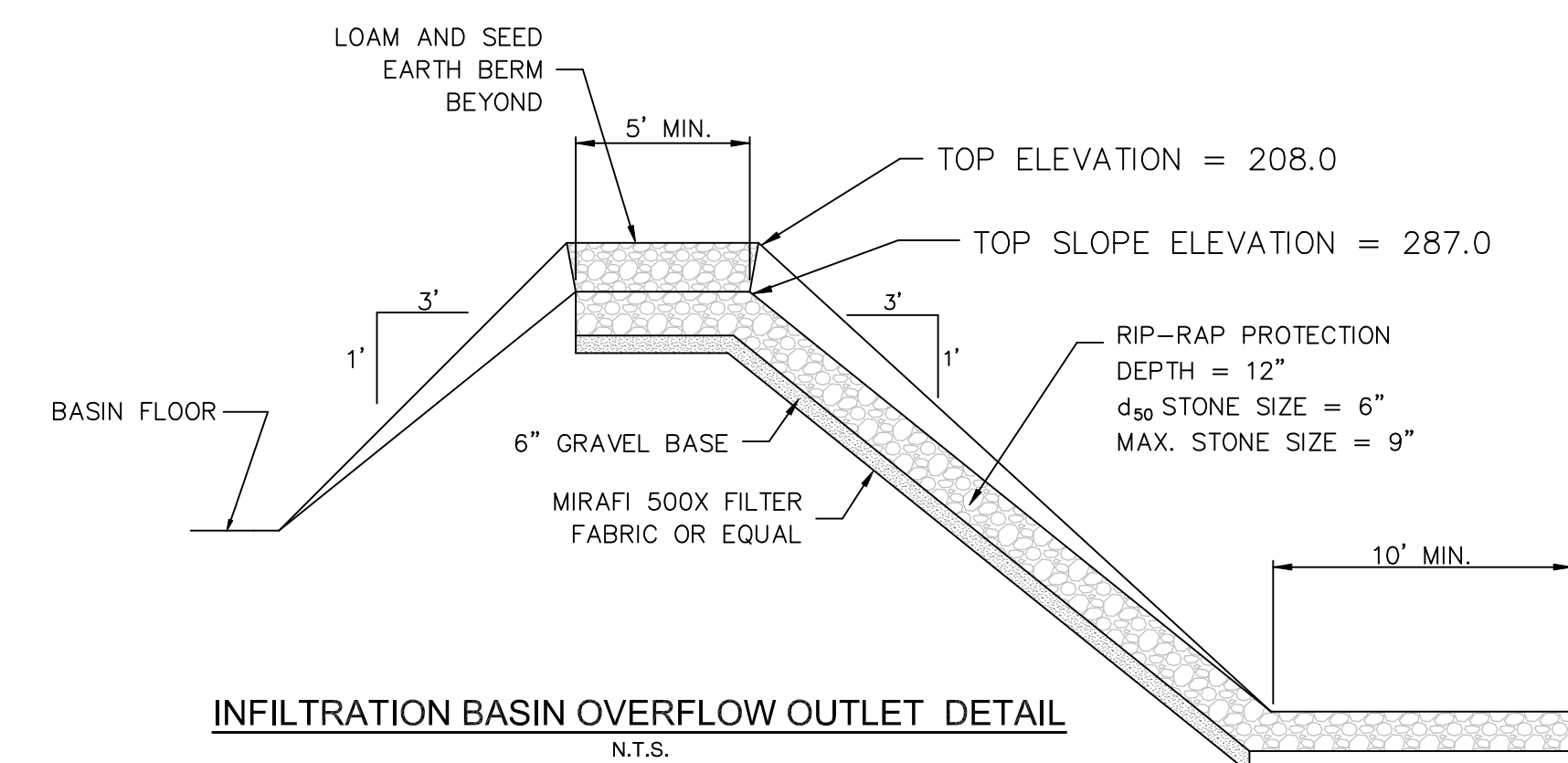
GRASSED CHANNEL DETAIL
N.T.S.



DETENTION BASIN OUTLET STRUCTURE
N.T.S.



CATCH BASIN PROTECTION DETAIL
N.T.S.



INFILTRATION BASIN OVERFLOW OUTLET DETAIL
N.T.S.

"I, _____, CLERK OF THE TOWN OF ANDOVER, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

DATE

FILED _____
HEARING _____

Engineer / Surveyor:
DK Engineering LLC
 69 Granite Lane, Chester, NH 03038
 Telephone Number: (603) 405-9298
 E-mail Address: dan@dkelc.com
FINDISEN SURVEY & DESIGN LLC
 P.O. Box 612, Sandown, New Hampshire 03878
 E-mail Address: FSDLLC@gmail.com

Engineer:
DANIEL KORAVOS
 CIVIL
 No. 37752
 REGISTERED CIVIL ENGINEER

Surveyor:

Applicant:
MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

Owner(s):
MINISTERS LANE LLC
 42 School Street
 Andover, MA 01810

NO.	DATE	BY	DESCRIPTION
9			
8			
7			
6			
5			
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3			
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ASSESSOR'S MAP & LOT:
 Map 79 / Lot 18
 Project No.: 42305 Drawing Scale: AS NOTED
 Plan Date: 04/14/2025 Revised Date:
 Sheet Title:
DETAIL SHEET
 Drainage & Erosion Control

Sheet No.: **6**
 Total No. of Sheets: 7

NOT RELEASED FOR CONSTRUCTION

DK Engineering LLC
69 Granite Lane, Chester, NH 03038
Telephone Number: (603) 405-9298
E-mail Address: dan@DK-LLC.com

FINDISEN SURVEY & DESIGN LLC
P.O. Box 612, Sandown, New Hampshire 03875
E-mail Address: FSDLLC@gmail.com



MINISTERS ESTATES

Applicant:
MINISTERS LANE LLC
42 School Street
Andover, MA 01810

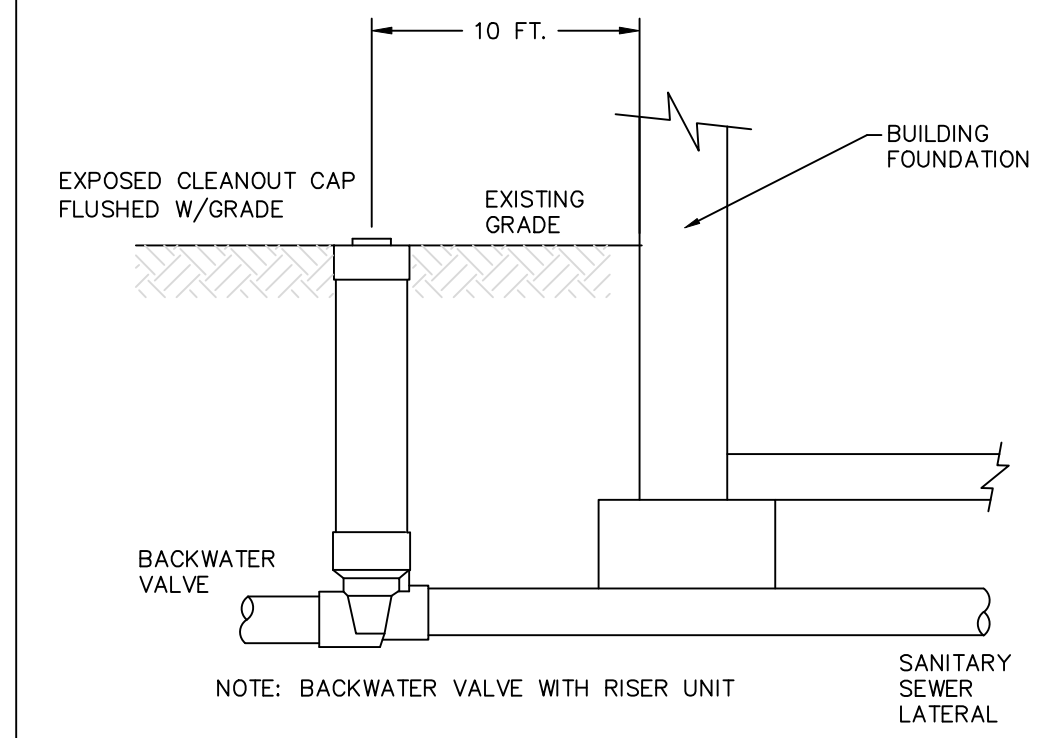
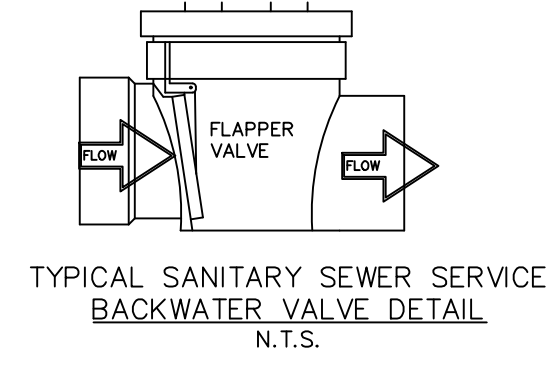
Owner(s):
MINISTERS LANE LLC
42 School Street
Andover, MA 01810

NO.	DATE	BY	DESCRIPTION
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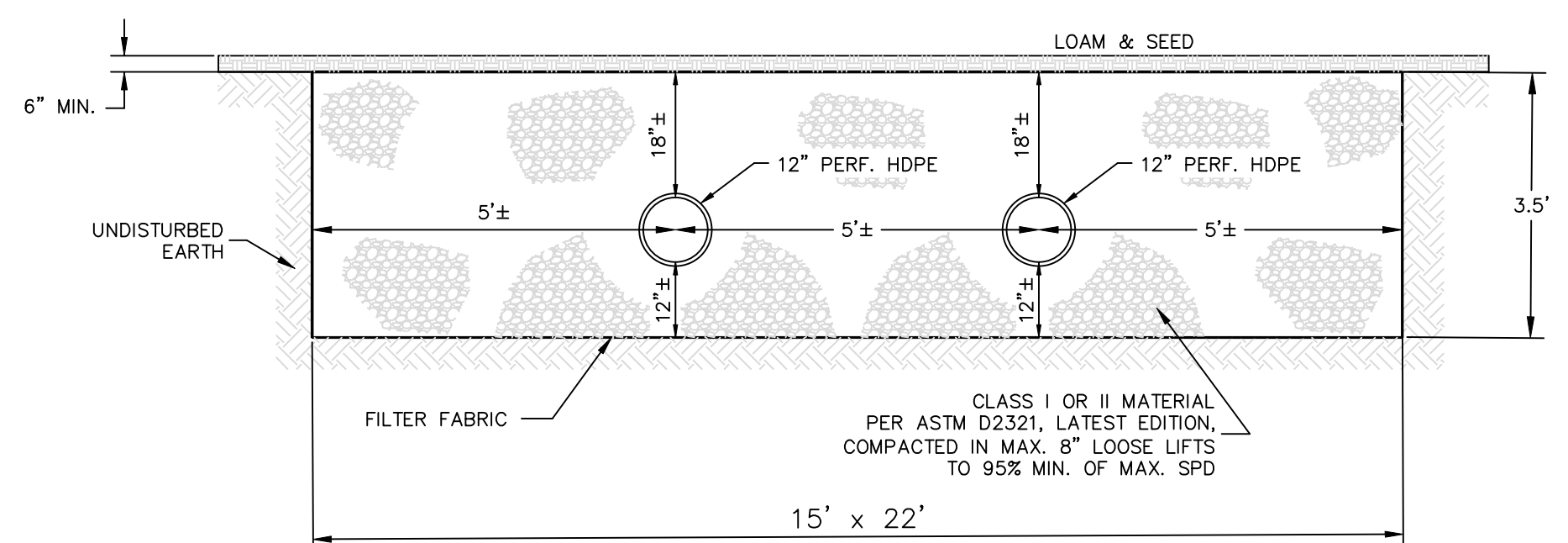
Assessor's Map & Lot:
Map 79 / Lot 18
Project No.: 42305 Drawing Scale: AS NOTED
Plan Date: 04/14/2025 Revised Date:

Sheet Title:
DETAIL SHEET
Miscellaneous

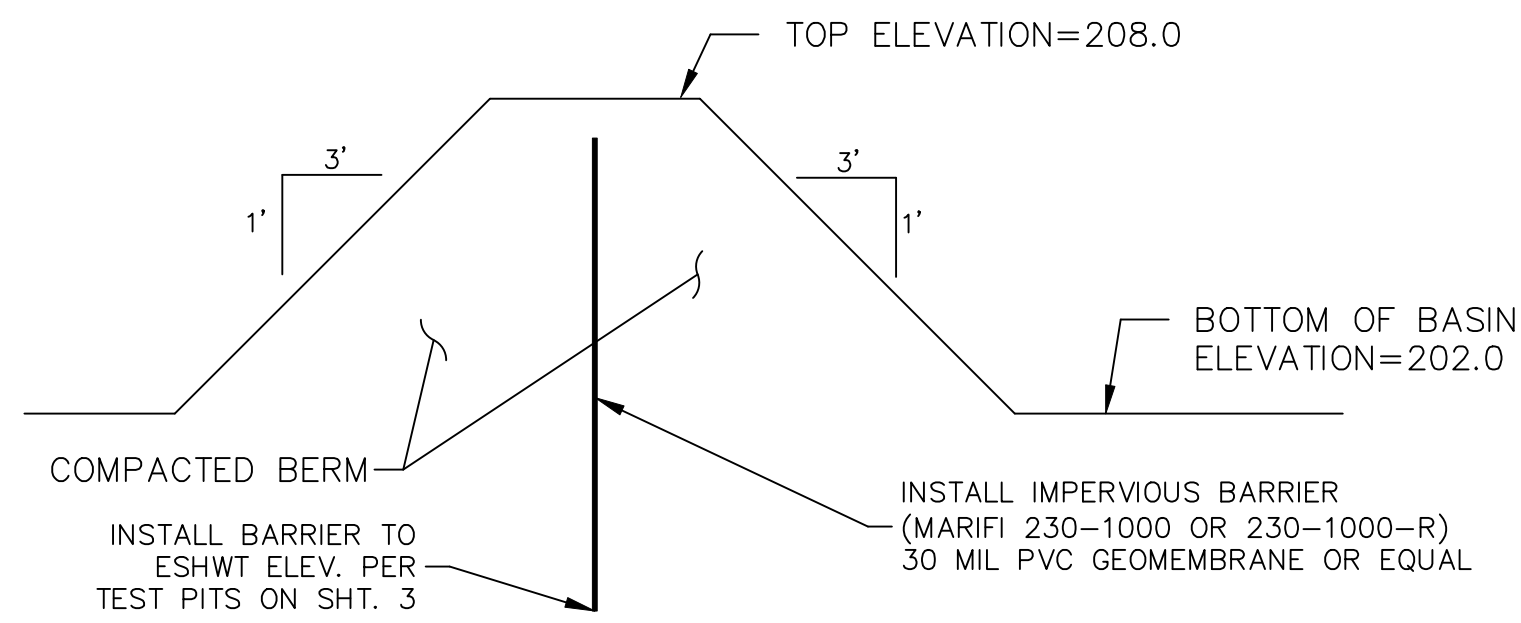
Sheet No.: 7
Total No. of Sheets: 7



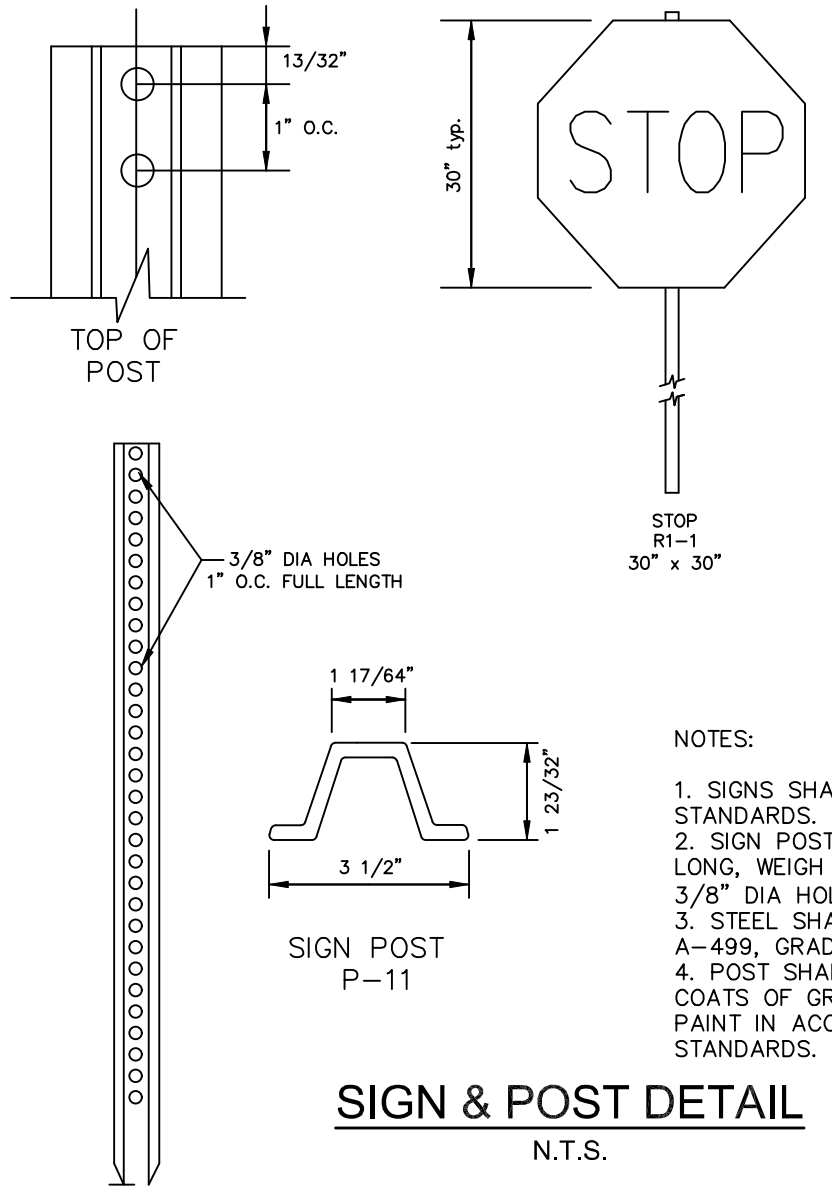
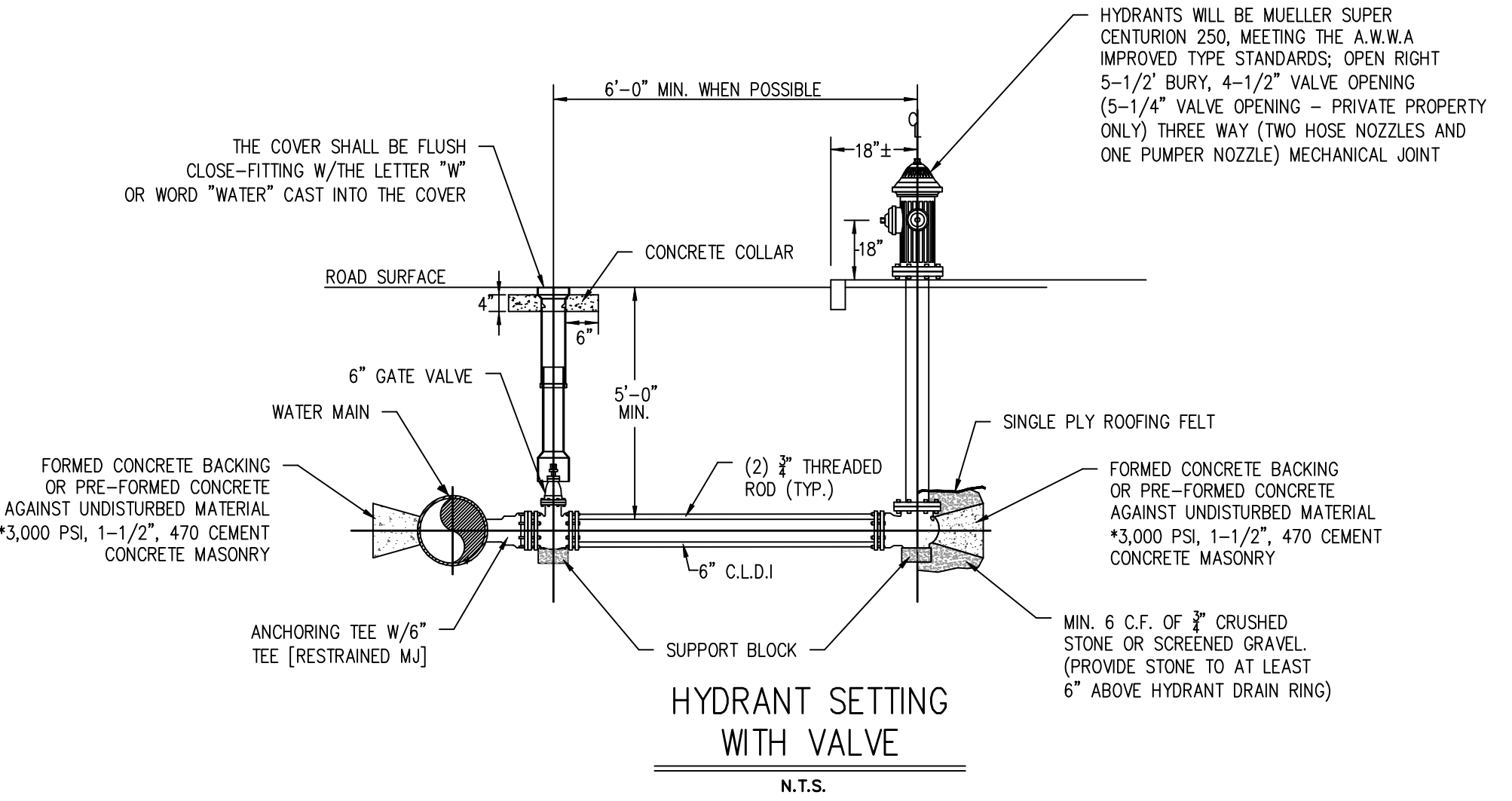
TYPICAL ROOF INFILTRATION SYSTEM



- NOTES:
1. CLASS I MATERIAL ANGULAR CRUSHED STONE OR ROCK, DENSE OR OPEN-GRADED, WITH LITTLE OR NO FINES (1/4 INCH TO 1 1/2 INCHES IN SIZE).
 2. CLASS II MATERIAL CLEAN, COARSE-GRAINED MATERIALS, SUCH AS GRAVEL, COARSE SANDS, AND GRAVEL/SAND MIXTURES (1 1/2 INCHES IN SIZE).
 3. FILTER FABRIC SHALL BE MIRAFI 160N OR EQUAL AND INSTALLED ALONG THE BOTTOM AND SIDES OF THE SYSTEM.
 4. INSTALL A WYE AND RISER CLEANOUT AT BOTH ENDS OF THE 8" PERFORATED HDPE.
 5. EACH INFILTRATION SYSTEM IS DESIGNED TO ACCEPT THE 100-YEAR DESIGN FLOW FROM 3,070± S.F. OF ROOFTOP.



- NOTES:
1. PROVIDE HYDRANT AND VALVE JOINTS WITH MECHANICAL JOINTS (MEGALUG OR APPROVED EQUAL).
 2. SUPPORT BLOCKS TO BE PRESSURE TREATED WOOD OR CONCRETE MASONRY BLOCKS.
 3. ALL VALVES OPEN RIGHT.
 4. 6 MIL POLYETHYLENE SHALL BE PLACED BETWEEN THE THRUST BLOCK AND PIPE AT ALL MECHANICAL JOINTS PRIOR TO POURING CONCRETE.
 5. THREADED ROD IS NOT REQUIRED IF MEGA LUGS ARE USED. IF NORMAL PIPE JOINT IS NEEDED IN HYDRANT BRANCH A LOCKING RUBBER SHALL BE REQUIRED.



- NOTES:
1. SIGNS SHALL COMPLY WITH MUTCD STANDARDS.
 2. SIGN POSTS SHALL BE 11 FEET LONG, WEIGH 3 LBS PER L.F. WITH 3/8" DIA HOLES, 1 INCH ON CENTER.
 3. STEEL SHALL CONFORM TO ASTM A-499, GRADE 60.
 4. POST SHALL BE PAINTED WITH TWO COATS OF GREE, WEATHER RESISTANT PAINT IN ACCORDANCE WITH NHDOT STANDARDS.

"I, _____, CLERK OF THE TOWN OF ANDOVER, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK

APPROVED BY THE TOWN OF ANDOVER PLANNING BOARD

DATE

FILED _____
HEARING _____