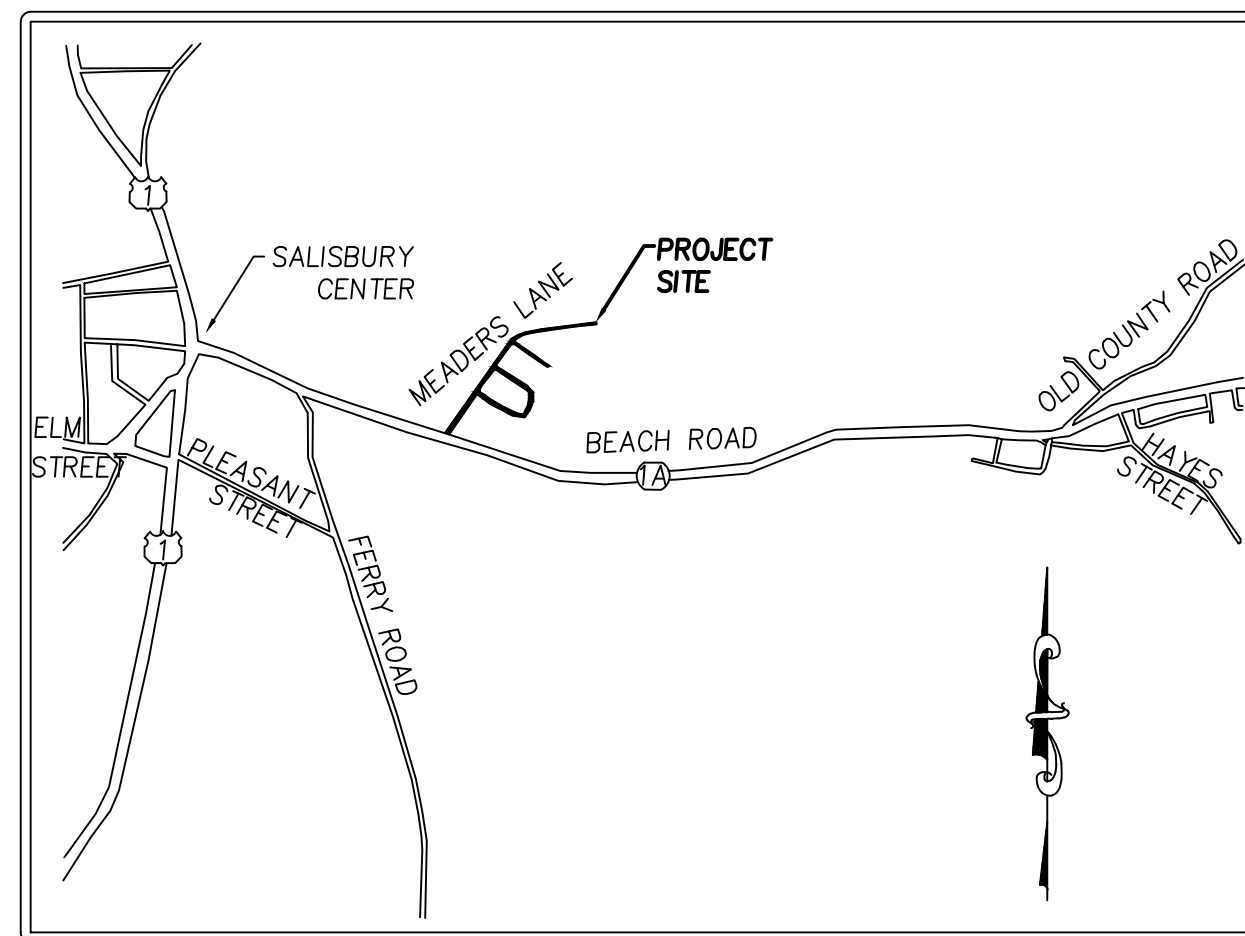




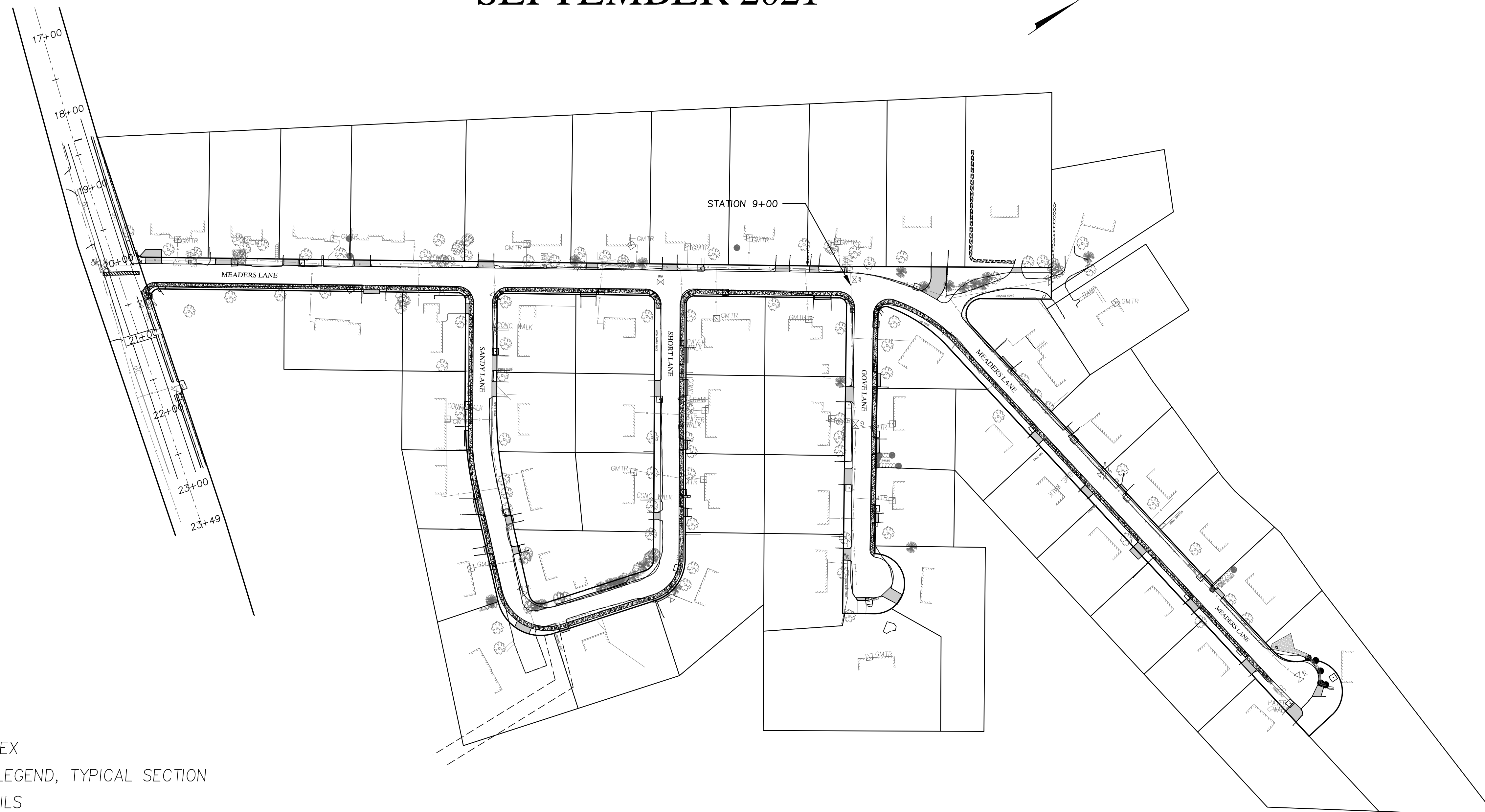
MEADERS LANE NEIGHBORHOOD
INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
SEPTEMBER 2021

PROJECT PHASING

PHASE I: A) WATER MAIN IMPROVEMENTS THROUGHOUT THE
ENTIRE PROJECT SITE.
B) MEADERS LANE ROADWAY IMPROVEMENTS FROM
STA. 9+00 TO 17+44.

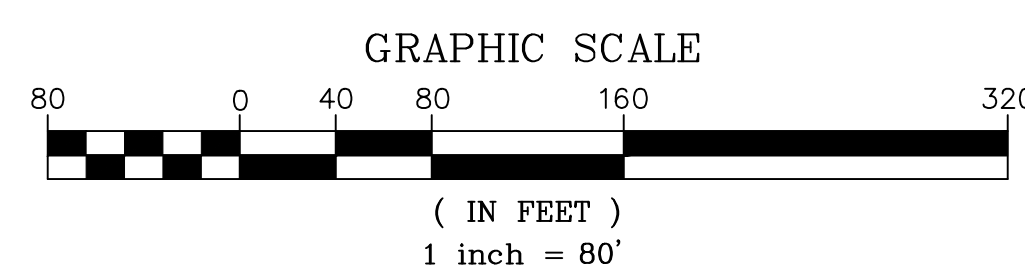
PHASE II: A) SANDY LANE ROADWAY IMPROVEMENTS FROM STA. 0+00 TO 5+50.
B) SHORT LANE ROADWAY IMPROVEMENTS FROM STA. 0+00 TO 4+47.

PHASE III: A) MEADERS LANE ROADWAY IMPROVEMENTS FROM
STA. 0+00 TO 9+00.
B) GOVE LANE ROADWAY IMPROVEMENTS FROM
STA. 0+00 TO 4+05.



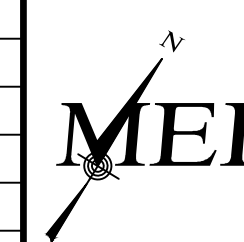
INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1 - - - - -	COVER SHEET & INDEX
2 - - - - -	GENERAL NOTES & LEGEND, TYPICAL SECTION
3-5 - - - - -	CONSTRUCTION DETAILS
6-8 - - - - -	GENERAL CONSTRUCTION PLAN
9 - - - - -	INTERSECTION GRADING PLAN
10-15 - - - - -	PLAN & PROFILE



PREPARED FOR
TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA

NO.	DATE	DESCRIPTION	BY



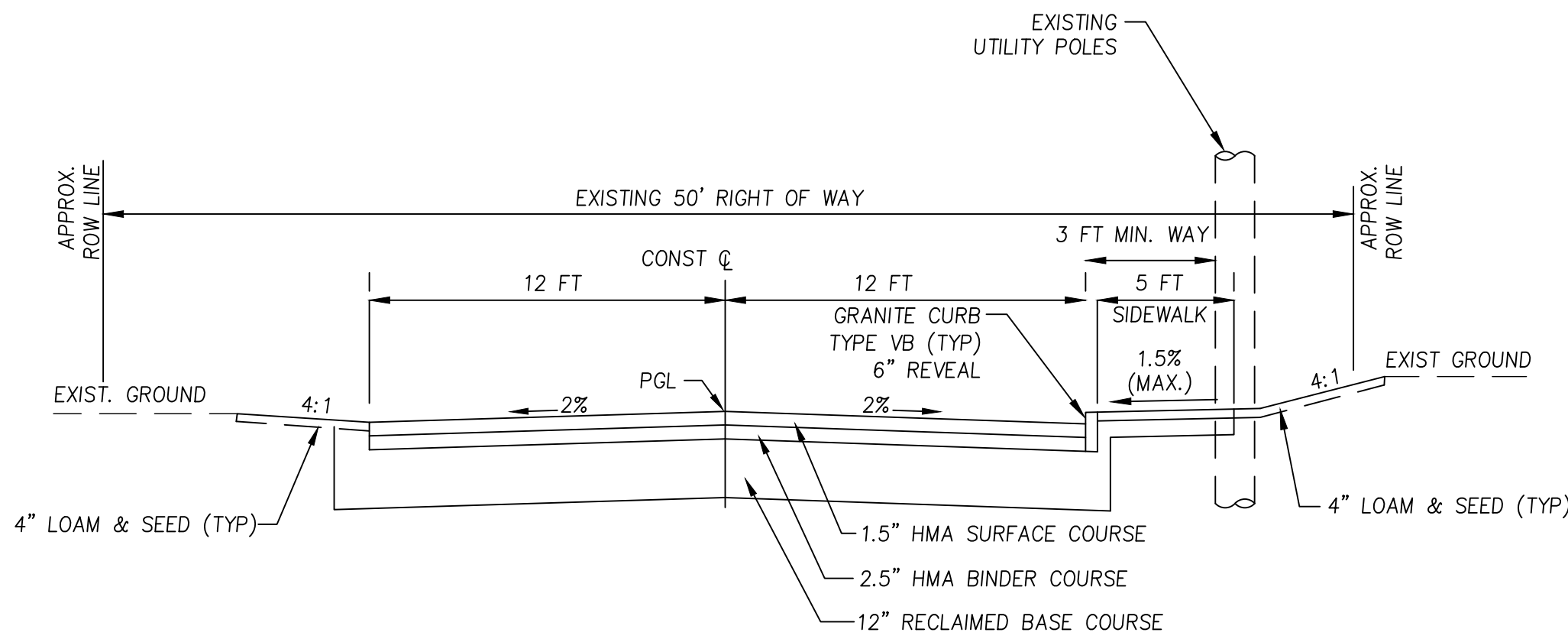
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=80'	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

COVER
SHEET

SHEET: 1 OF 15



TYPICAL ROADWAY CROSS-SECTION

N.T.S.

PAVEMENT & SIDEWALK NOTES:

FULL DEPTH RECONSTRUCTION

- SURFACE: 1.5" HOT MIX ASPHALT PLACED IN ONE LAYER – TOP COURSE
- 2.5" HOT MIX ASPHALT PLACED IN ONE LAYER – BINDER COURSE

FOUNDATION: 12" RECLAIMED BASE COURSE

CEMENT CONCRETE SIDEWALKS AND WHEELCHAIR RAMPS

SURFACE: 4" CEMENT CONCRETE

FOUNDATION: 8" GRAVEL BORROW

CEMENT CONCRETE SIDEWALKS AT DRIVEWAYS

SURFACE: 6" CEMENT CONCRETE

FOUNDATION: 8" GRAVEL BORROW

HOT MIX ASPHALT SIDEWALKS

- SURFACE: 1" HOT MIX ASPHALT PLACED IN ONE LAYER – TOP COURSE
- 2" HOT MIX ASPHALT PLACED IN ONE LAYER – BINDER COURSE

FOUNDATION: 8" GRAVEL BORROW

HOT MIX ASPHALT DRIVEWAYS

- SURFACE: 1.5" HOT MIX ASPHALT PLACED IN ONE LAYER – TOP COURSE
- 2" HOT MIX ASPHALT PLACED IN ONE LAYER – BINDER COURSE

FOUNDATION: 8" GRAVEL BORROW

COORDINATES OF CONSTRUCTION CENTERLINE – MEADERS LANE						
POINT	STA	RADIUS/ LENGTH OR LENGTH/BEARING			NORTHING	EASTING
BEGIN	0+00.00				3131741.7428	829734.2471
		N34° 57'	13.89"E	903.855		
PC	9+03.86				3132482.5551	830252.0809
		N58° 09'	03.89"E	170.045 210.000	046°23'40"	
PT	10+73.90				3132569.8530	830392.6100
		N81° 20'	53.89"E	669.727		
END	17+43.63				3132670.5983	831054.7162

COORDINATES OF CONSTRUCTION CENTERLINE — GOVE LANE					
POINT	STA	RADIUS/ LENGTH OR LENGTH/BEARING		NORTHING	EASTING
BEGIN	0+00.00			3132500.9456	830266.5245
		S54° 59' 16.65"E	404.827		
END	4+04.83			3132268.6767	830598.0904

COORDINATES OF CONSTRUCTION CENTERLINE – SANDY LANE						
POINT	STA	RADIUS/ LENGTH OR LENGTH/BEARING			NORTHING	EASTING
BEGIN	0+00.00				3132105.3310	829988.3767
		S55° 32' 01.64"E 208.233				
PC	2+08.23				3131987.4876	830160.0567
		S62° 02' 23.87"E 45.367 199.758 013°00'44"				
PT	2+53.60				3131966.2628	830200.0420
		S68° 32' 46.11"E 144.529				
PC	3+98.13				3131913.4011	830334.5569
		N63° 51' 03.89"E 78.098 47.000 095°12'20"				
PT	4+76.23				3131943.9939	830396.8700
		N16° 14' 53.89"E 73.799				
END	5+50.03				3132014.8449	830417.5189

COORDINATES OF CONSTRUCTION CENTERLINE – SHORT LANE					
POINT	STA	RADIUS/ LENGTH OR LENGTH/BEARING		NORTHING	EASTING
BEGIN	0+00.00			3132300.3757	830124.7360
		S55° 32' 46.11"E	354.669		
PC	3+54.67			3132099.7242	830417.1900
		S19° 38' 56.11"E	43.857 35.000 071°47'40"		
PT	3+98.53			3132061.0708	830430.9910
		S16° 14' 53.89"W	48.149		
END	4+46.68			3132014.8449	830417.5189

GENERAL NOTES

- LOCATION OF ALL UTILITIES AND SUBSURFACE STRUCTURES ARE FROM SURVEY AND RECORDS OF THE TOWN OR PRIVATE UTILITY COMPANIES AND ARE CONSIDERED APPROXIMATE BOTH AS TO THE SIZE AND LOCATION, AND ARE INDICATED ON THESE DRAWINGS TO GIVE BIDDERS A GENERAL IDEA OF THE EXISTING CONDITIONS TO BE INVESTIGATED. IT IS UNDERSTOOD AND AGREED THAT EACH BIDDER WILL NOT RELY ON THESE DRAWINGS FOR SUCH INFORMATION, BUT THAT EACH BIDDER SHALL MAKE EXAMINATIONS IN THE FIELD AND BY VARIOUS AVAILABLE RECORDS, UTILITY CORPORATIONS AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
- ALL ELEVATIONS BASED ON N.A.V.D. OF 1988. SURVEY PERFORMED BY MILLENNIUM ENGINEERING, INC., IN MARCH 2021.
- PEDESTRIAN AND VEHICLE ACCESS TO ABUTTING PREMISES MUST BE MAINTAINED IN A SAFE CONDITION AT ALL TIMES.
- EXISTING PAVEMENTS AND/OR SIDEWALKS SHALL BE SAWCUT WHERE THEY MEET PROPOSED SURFACE TREATMENTS. CUTS SHALL BE SMOOTH AND STRAIGHT. WHERE NEW HOT MIX ASPHALT MEETS EXISTING HOT MIX ASPHALT SURFACES, SAW CUT EDGES ARE TO BE SEALED WITH BITUMEN AND BACKSANDDED. PAYMENT FOR SAWCUTS, BITUMEN, BACKSANDING SHALL BE INCIDENTAL TO THE VARIOUS ITEMS INCLUDED IN THIS CONTRACT.
- AREAS OUTSIDE THE LIMITS OF WORK DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
- ALL TOWN OWNED UTILITY STRUCTURES INCLUDING MANHOLES, CATCH BASINS, AND GATE BOXES SHALL BE ADJUSTED OR REMODELED TO FINISH GRADE BY THE CONTRACTOR, AS REQUIRED. ALL PRIVATELY OWNED STRUCTURES SHALL BE ADJUSTED OR REMODELED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES TO PERFORM THE WORK.
- LIMITS OF WORK HAVE BEEN SET ON THE PLANS, HOWEVER THESE MAY BE EXTENDED OR REDUCED AT THE DISCRETION OF THE TOWN TO MEET FIELD CONDITIONS.
- THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. THE CONTRACTOR SHALL EXCAVATE TO VERIFY PERTINENT DRAINAGE INVERTS AND POTENTIAL UTILITY CONFLICTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE TOWN IMMEDIATELY.
- ALL EXISTING SURFACE, I.E. CEMENT CONCRETE, BITUMINOUS CONCRETE PAVEMENT, BRICK, ETC. SHALL BE COMPLETELY REMOVED FROM AREAS OF PROPOSED WORK INCLUDING PROPOSED PLANTING AREAS.
- THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING, SAFETY SIGNING, BARRIERS AND OTHER TRAFFIC MANAGEMENT DEVICES NECESSARY TO PROVIDE A SMOOTH, SAFE AND PROPER TRANSITION FOR PEDESTRIAN AND VEHICULAR TRAFFIC.
- IF REQUIRED BY THE CONTRACTOR, OVERHEAD LINES SHALL BE RELOCATED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS OF PROPOSED SIGNS, MAILBOXES, ETC. ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL CEMENT CONCRETE SUBBASE SURFACES SHALL BE TREATED WITH A BITUMEN TACK COAT PRIOR TO THE APPLICATION OF A HOT MIX ASPHALT MATERIAL OVER CEMENT CONCRETE.
- R.O.W. LINES PRESENTED ARE APPROXIMATE ONLY. THE TOWN OF SALISBURY SHALL SECURE RIGHT OF ENTRIES FROM ABUTTERS IMPACTED BY THE WORK.

GENERAL SYMBOLS

EXISTING PROPOSED

		CATCH BASIN (OR GUTTER INLET, OR LEACHING BASIN)
		CATCH BASIN (OR GUTTER INLET) WITH CURB INLET
		CURB (OR BERM) – TYPE NOTED
		EDGE OF ROAD
		ELECTRIC HANDHOLE (NUMBER AS NOTED)
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
		SEWER MANHOLE
		DRAINAGE MANHOLE
		GAS GATE
		WATER GATE
		CURB STOP
		HYDRANT
		STREET LIGHT
		UTILITY POLE
		GUY
		MAIL BOX
		DRAIN PIPE
		SEWER MAIN
		ELECTRIC DUCT
		GAS MAIN
		WATER MAIN
		TELEPHONE DUCT
		FENCE
		CITY, TOWN, OR COUNTY LAYOUT
		EASEMENT LINE
		PROPERTY LINE
		LIMIT OF GRADING
		WHEELCHAIR RAMP (WCR)
		BITUMINOUS CONC. SIDEWALK
		BASE OR SURVEY LINE
		CONSTRUCTION BASELINE
		TREE (SIZE AND TYPE NOTED)

UTILITIES

F & G	FRAME AND GRATE
F & C	FRAME AND COVER
HDPE	REINFORCED CONCRETE PIPE
VC	VITRIFIED CLAY PIPE
PVC	POLYVINYL CHLORIDE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
CIP	CAST IRON PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
CB	CATCH BASIN
GI	GUTTER INLET
CI	CURB INLET
MH	MANHOLE
HYD	HYDRANT
INV	INVERT ELEVATION
UP	UTILITY POLE

SURVEY

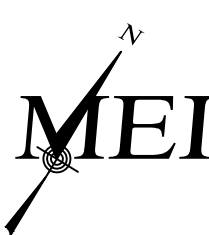
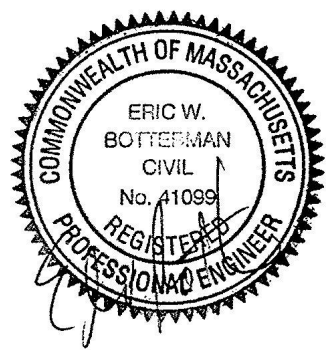
	C.B.	CONCRETE BOUND
	S.B.	STONE BOUND
	D.H.	DRILL HOLE
	PK	MASONRY NAIL
	I.P.	IRON PIPE
	I ROD	IRON ROD
	FND.	FOUND
	N/FND.	NOT FOUND
		ASSESSORS MAP AND PARCEL

GENERAL

PROP	PROPOSED
MIN	MINIMUM
MAX	MAXIMUM
RET	RETAIN
REM	REMOVE
REMOD	REMODEL
ABAN	ABANDON
ADJ	ADJUST
EXIST	EXISTING
R & R	REMOVE AND RESET
R & S	REMOVE AND STACK
FND	FOUNDATION
ELEV	ELEVATION
ROW	RIGHT OF WAY
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
TYP	TYPICAL
APPROX.	APPROXIMATE
CEM.	CEMENT
BIT.	BITUMINOUS
CONC.	CONCRETE
H.M.A.	HOT MIX ASPHALT
SW	SIDEWALK
DR	DRIVEWAY
CW	CROSS WALK
SL	STOP LINE
R	RIM
SYCL	SOLID YELLOW CENTER LINE
SWEL	SINGLE WHITE EDGE LINE
R/L	RADIUS/LENGTH
FT	FLAT TOP

PREPARED FOR

TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA

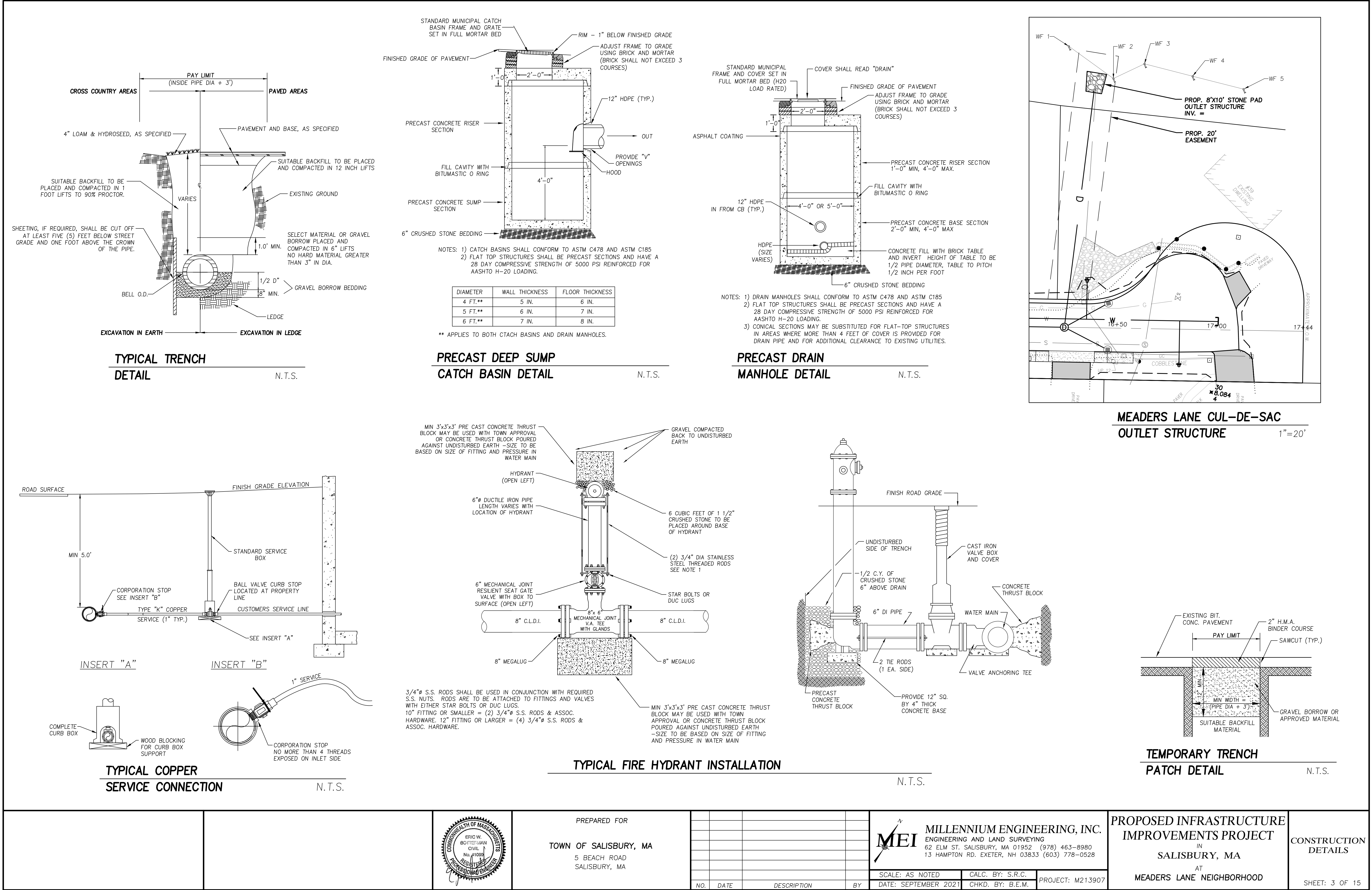


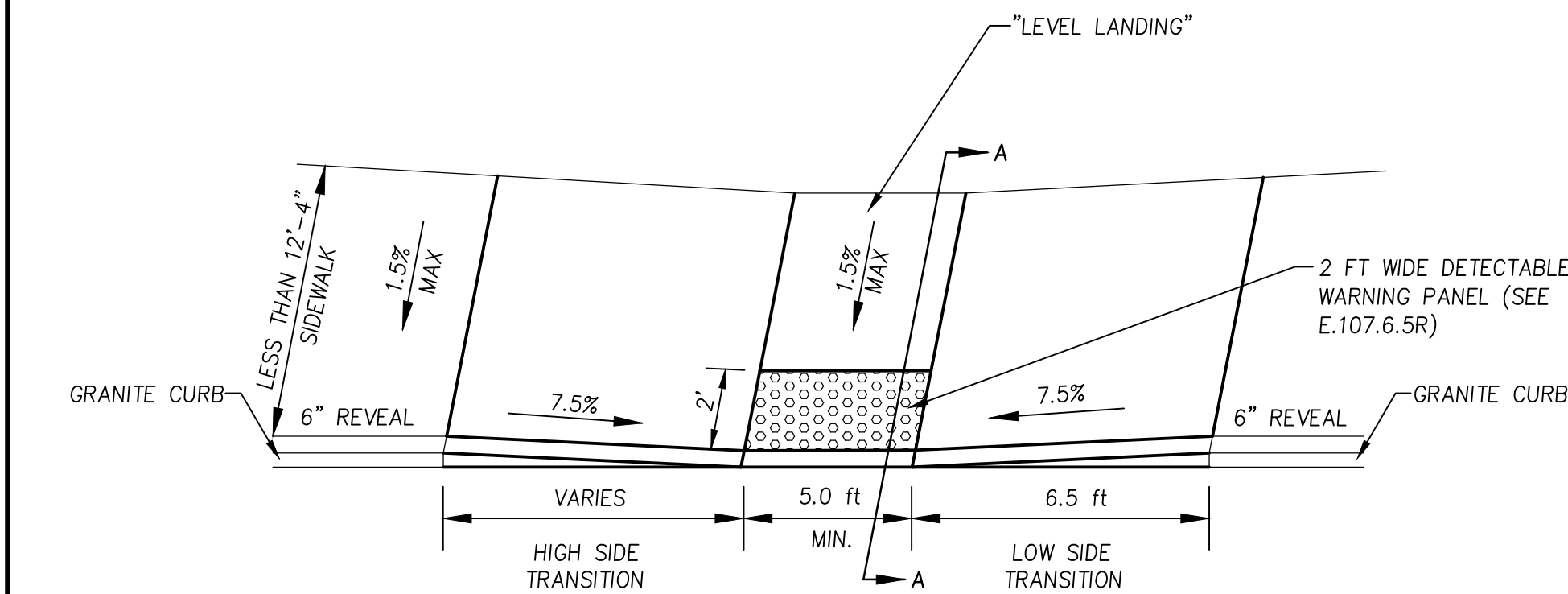
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

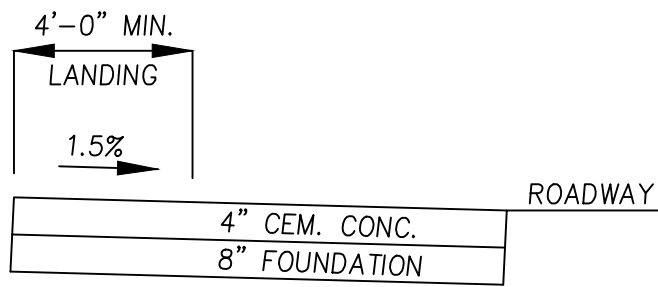
PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

GENERAL
NOTES,
LEGEND, AND
TYPICAL
SECTION





PLAN VIEW



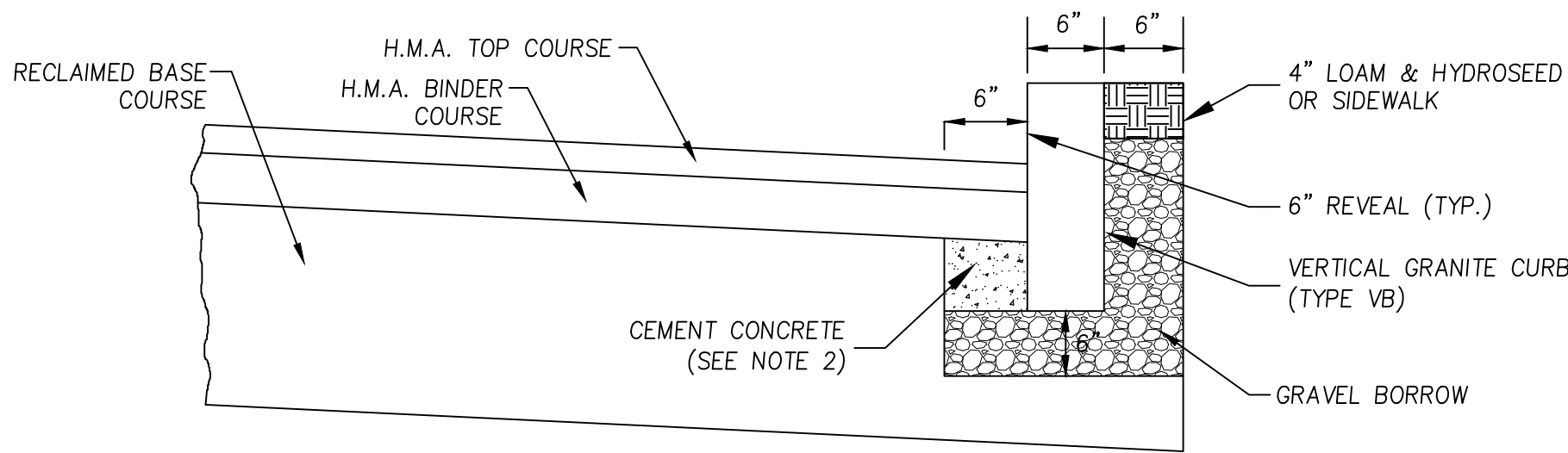
SECTION A-A

NOTES:

- 1.) RAMP CROSS SECTION TO BE SAME AS SIDEWALK; I.E. DEPTH OF SURFACE AND FOUNDATION.
- 2.) BASE OF RAMP SHALL MEET PAVEMENT GUTTER SUCH THAT THERE IS NO DIFFERENCE IN ELEVATION. RAMP SHALL BE CONSTRUCTED SUCH THAT WATER DOES NOT "PUDDLE" AT THE BASE OF THE RAMP.
- 3.) THE PAVEMENT AT THE BASE OF THE RAMP SHALL BE PART OF THE CONTINUOUS TOP COURSE. THE USE OF A "PAVEMENT PATCH" TO COMPLY WITH THE CONDITIONS IN NOTE 2, ABOVE IS PROHIBITED.
- 4.) RAMPS SHALL CONFORM TO MASS DOT WHEELCHAIR RAMP STANDARDS – LATEST REVISIONS.

CEMENT CONCRETE WHEELCHAIR RAMP DETAIL

N.T.S.



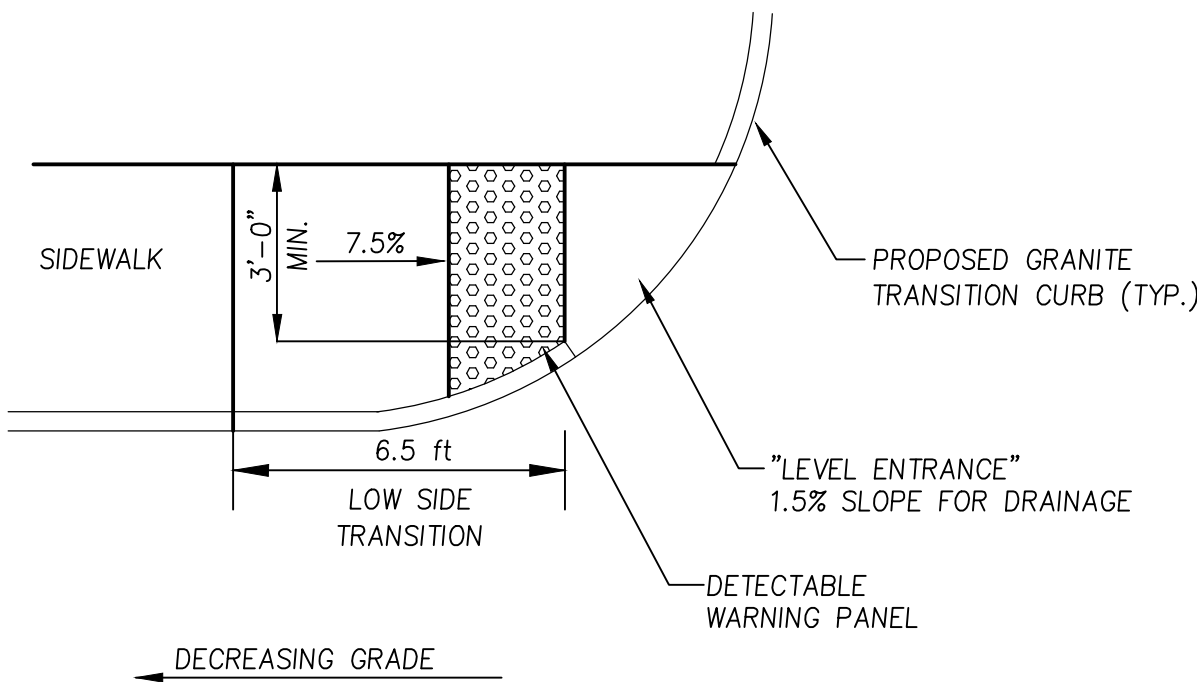
NOTES:

- 1.) CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE LATEST MASS DOT SPECS.
- 2.) PAYMENT FOR CEMENT CONCRETE AND GRAVEL WILL BE INCLUDED IN THE PRICE PER FOOT OF CURBING.

CURB INSTALLATION DETAIL

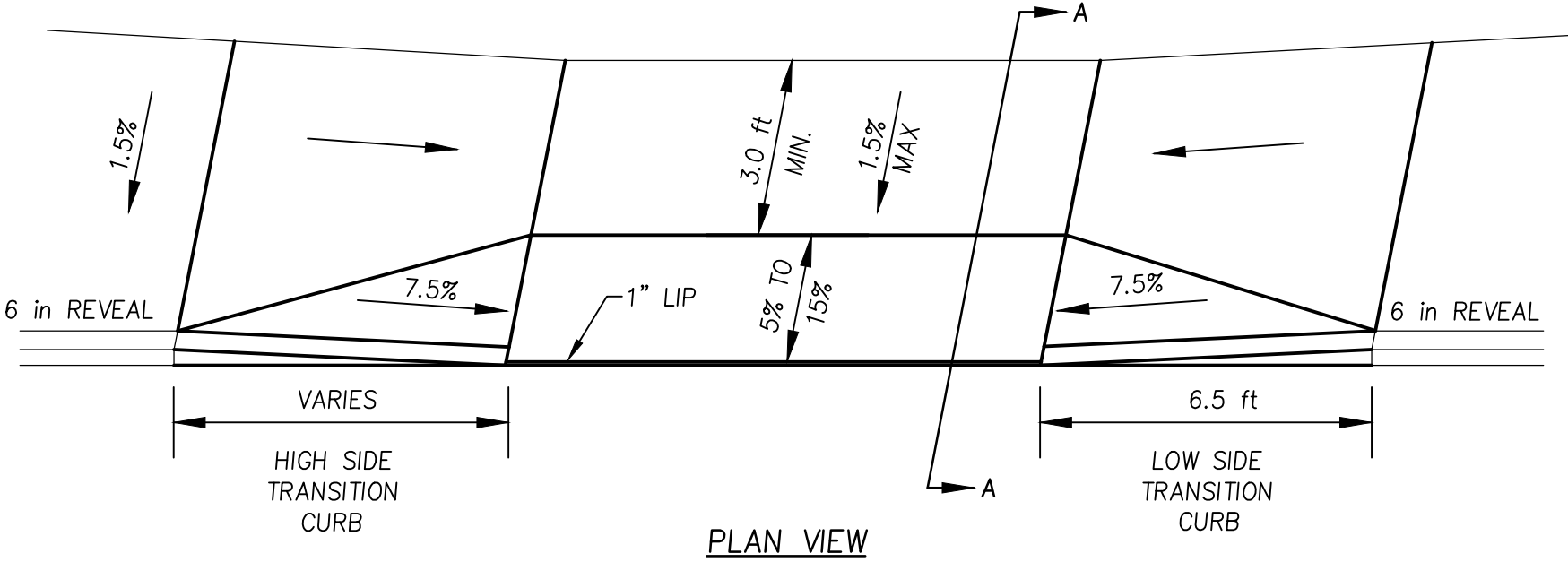
N.T.S.

ROADWAY PROFILE GRADE		HIGH SIDE TRANSITION LENGTH ROUNDED LENGTH 4"
%	G	ENGLISH UNITS
0	0.00	6'-6"
1	0.01	7'-8"
2	0.02	9'-0"
3	0.03	11'-0"
4	0.04	14'-0"
>4	>0.04	15'-0" MAX

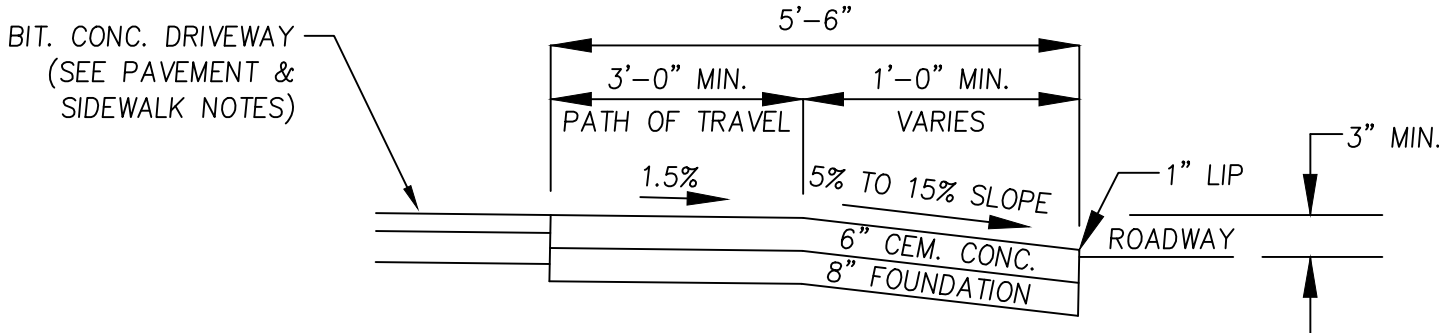


CEMENT CONCRETE WHEELCHAIR RAMP DETAIL

N.T.S.



PLAN VIEW



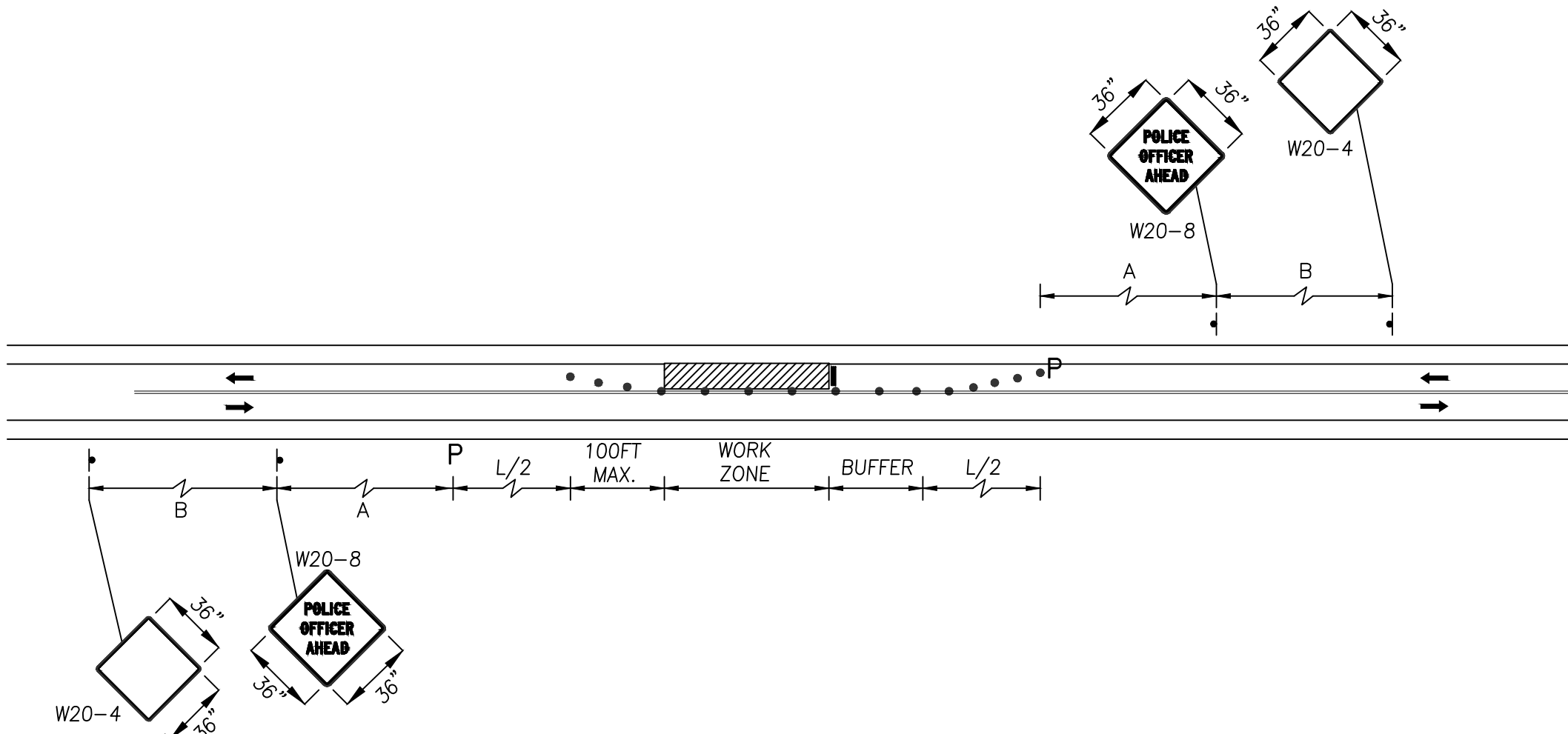
SECTION A-A

NOTES:

- 1.) DRIVEWAY REVEAL TO MATCH EXISTING AND/OR PROPOSED BACK OF SIDEWALK/DRIVEWAY GRADE. MINIMUM DRIVEWAY REVEAL SHALL BE 3", INCLUSIVE OF 1" LIP.

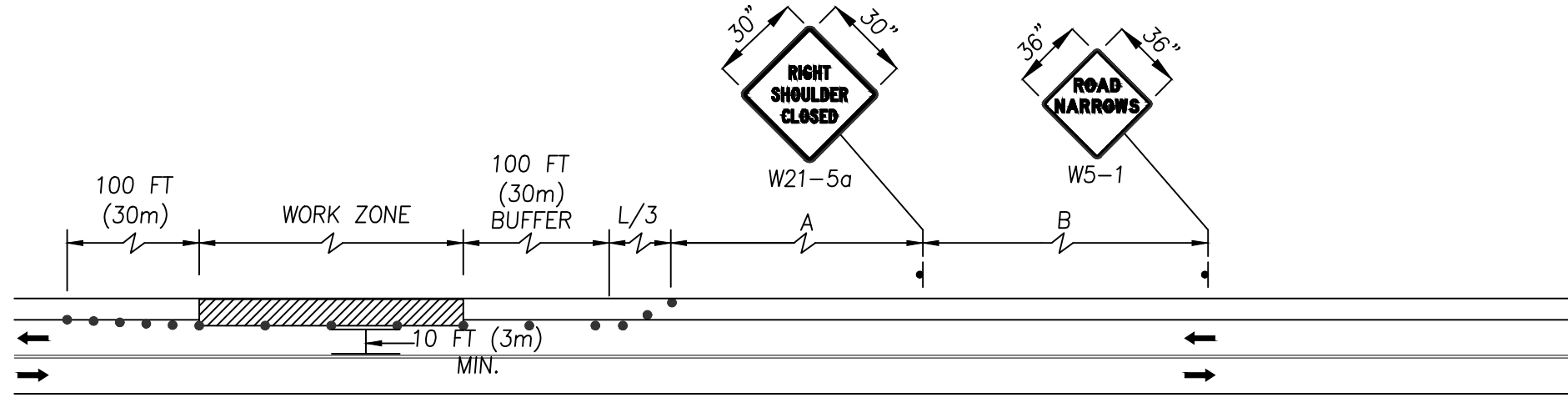
CEMENT CONCRETE DRIVEWAY RAMP DETAIL

N.T.S.



TWO LANE ROAD – ONE LANE ALTERNATING TRAFFIC WITH POLICE DETAIL

N.T.S.



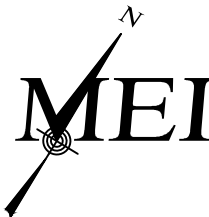
DRUM SPACING DEPENDENT ON SPEED

TWO LANE ROAD – SHOULDER CLOSED

N.T.S.



PREPARED FOR
TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA



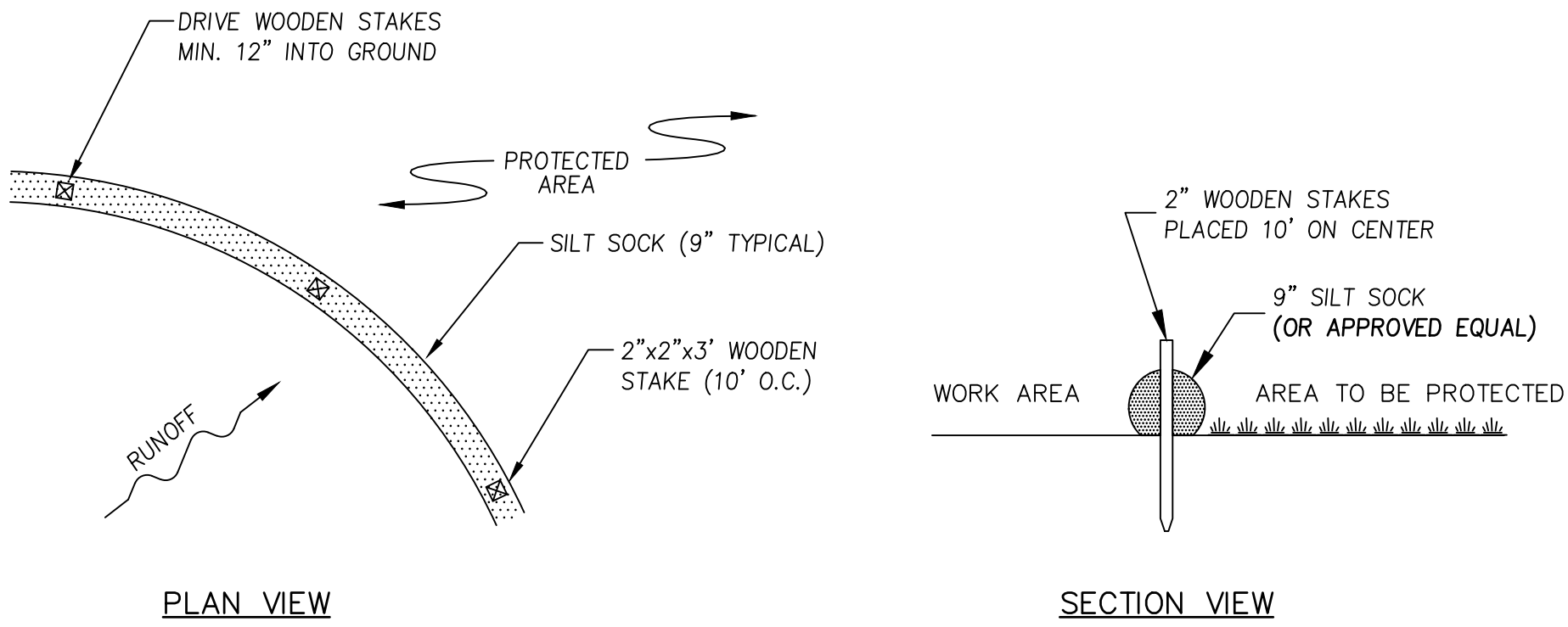
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED
DATE: SEPTEMBER 2021
CALC. BY: S.R.C.
CHKD. BY: B.E.M.
PROJECT: M213907

PROPOSED INFRASTRUCTURE IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

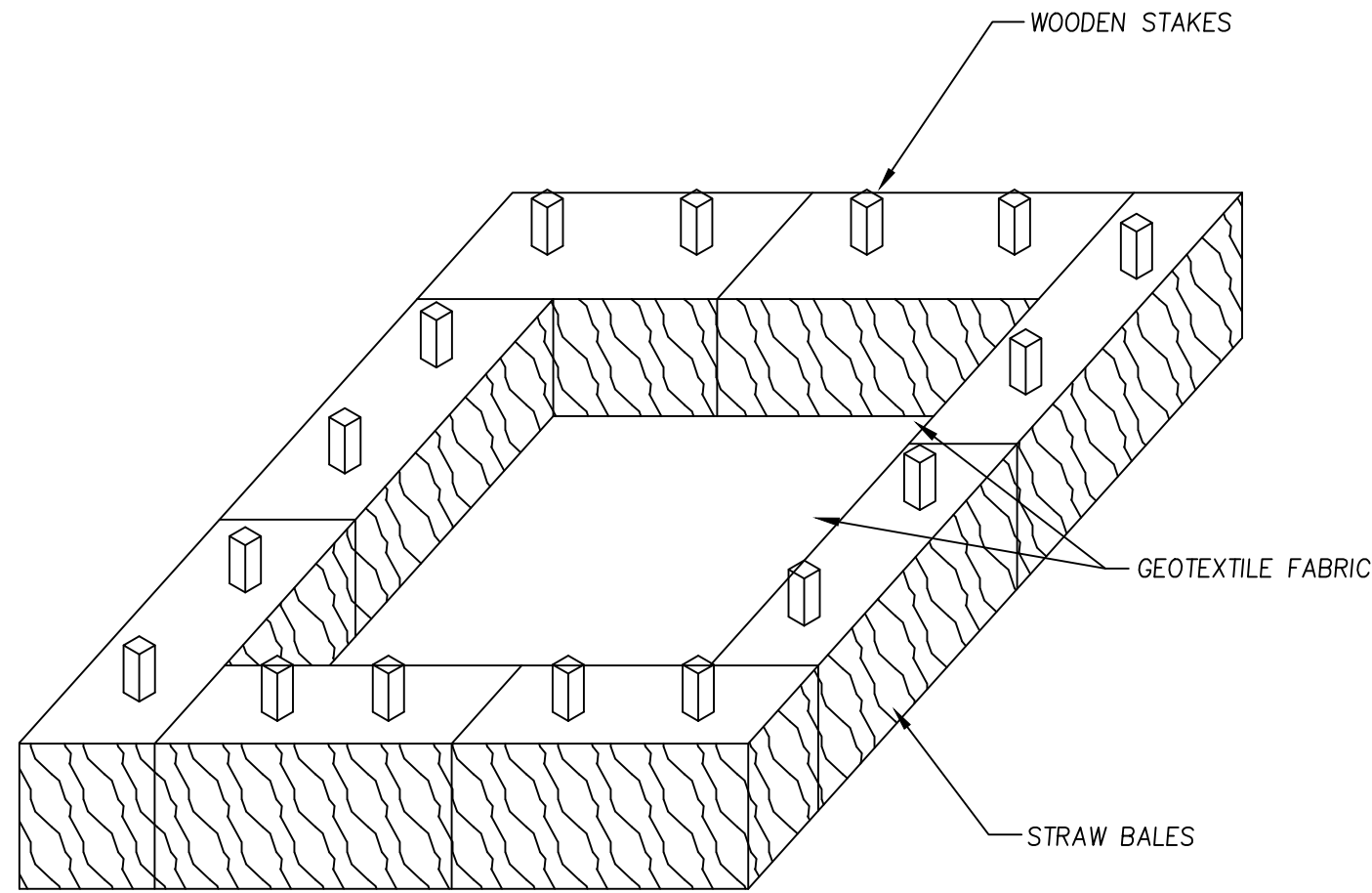
CONSTRUCTION DETAILS

SHEET: 4 OF 15



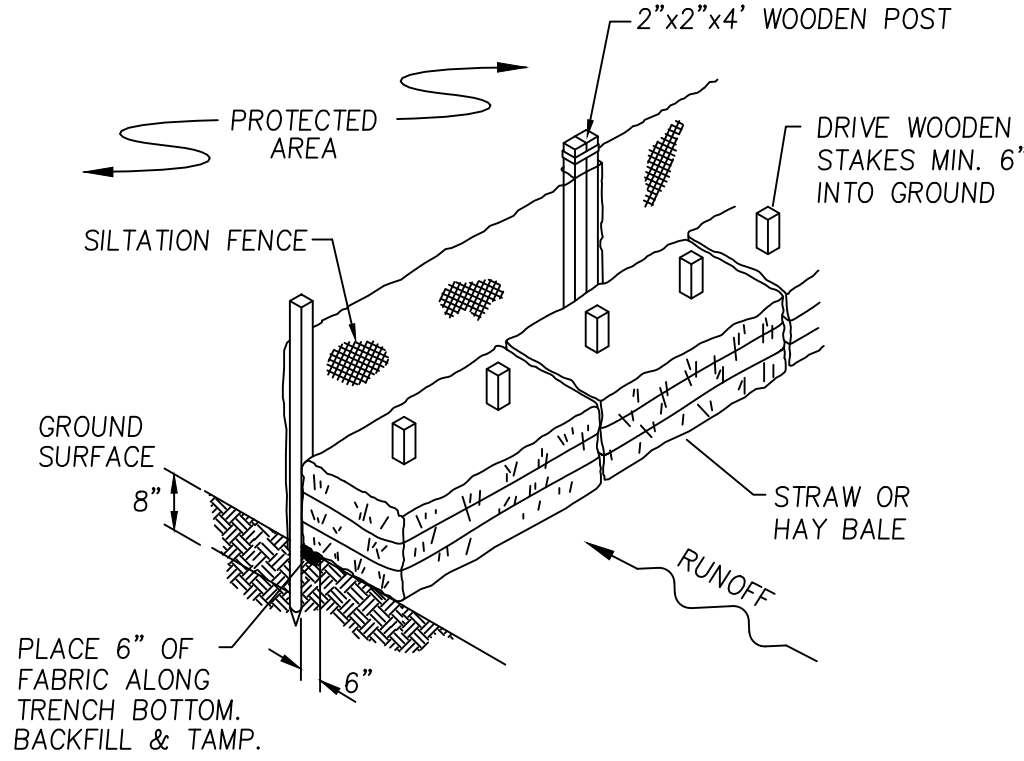
- NOTES**
1. ALL MATERIAL SHALL MEET SPECIFICATIONS BY FILTREXX OR APPROVED EQUAL.
 2. SILT SOCK SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SILT SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SILT SOCK.
 4. SILT SOCK SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
 5. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE SOCK HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT SOCK INSTALLATION DETAIL
SCALE: N.T.S.



- NOTES**
1. GEOTEXTILE FABRIC SHALL LINE THE DEWATERING BASIN AND BE STAKED INTO THE HAYBALES.
 2. DURING THE ACTIVE DEWATERING PROCESS, THE STRUCTURE SHALL BE INSPECTED FREQUENTLY (E.G. ONCE PER HOUR).
 3. SEDIMENT BUILDUP SHOULD BE REMOVED PERIODICALLY TO ENSURE THAT THE STRUCTURE'S ABILITY TO EFFECTIVELY FILTER SEDIMENT IS MAINTAINED.
 4. ALL DEWATERING ACTIVITIES SHALL OCCUR OUTSIDE THE 100-FOOT WETLAND BUFFER ZONE.
 5. THIS IS A TYPICAL DETAIL FOR TREATMENT OF GROUNDWATER REMOVED FROM EXCAVATIONS. THE CONTRACTOR SHALL USE THIS DETAIL OR OTHER APPROVED MEANS TO REMOVE SEDIMENT DURING DEWATERING ACTIVITIES.

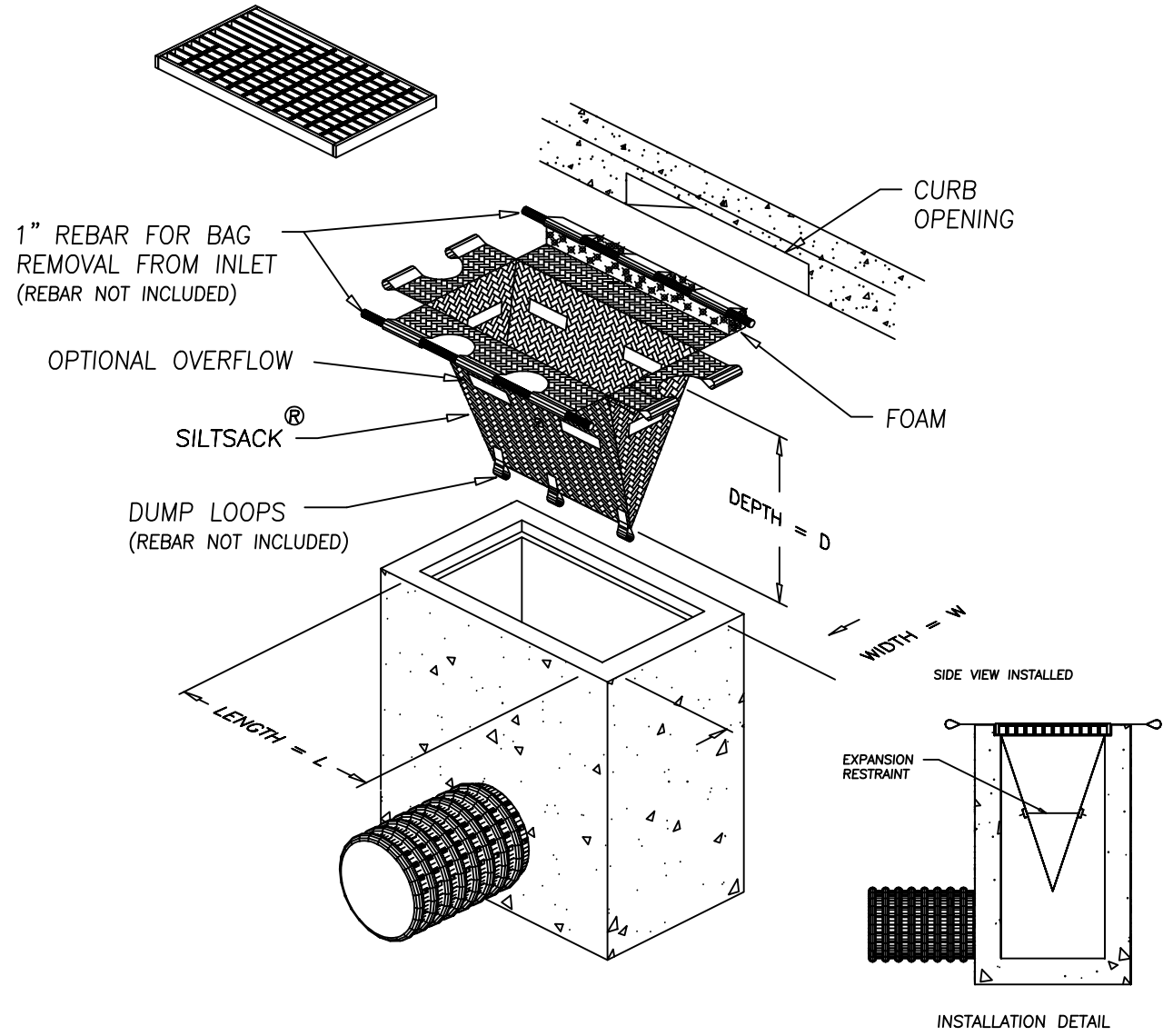
TYPICAL DEWATERING DETAIL
N.T.S.



- NOTES**
1. POSTS SHALL BE DOUBLED AND COUPLED AT FILTER CLOTH SEAMS.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO SUPPORT NETTING WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
 4. TUBULAR SILTATION BARRIERS (MIN. 8" DIA) MAY BE SUBSTITUTED FOR SEDIMENTATION FENCE AND HAYBALES AS SHOWN ABOVE. PAYMENT FOR TUBULAR SILTATION BARRIER WILL BE PAID AT THE CONTRACT UNIT PRICE BID FOR ITEM 697 SEDIMENTATION FENCE, ONLY.

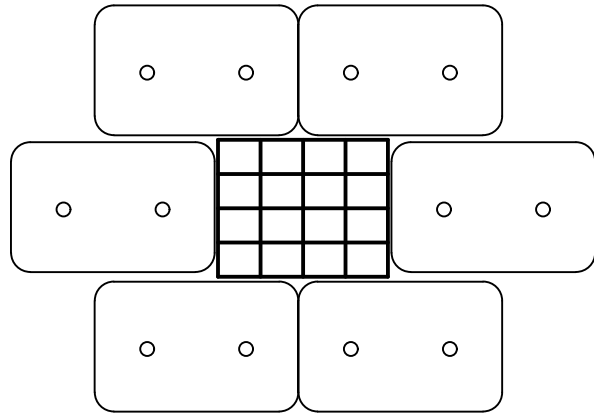
- MAINTENANCE**
1. SILT FENCE SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 2. IF THE FABRIC ON THE SILT FENCE SHALL DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
 3. SEDIMENT DEPOSITS SHALL BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
 4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

**SEDIMENTATION FENCE/
HAYBALE INSTALLATION**
N.T.S.



- NOTES**
1. TO INSTALL SILTSACK IN THE CATCH BASIN, REMOVE THE GRATE AND PLACE THE SACK IN THE OPENING. HOLD APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME. THIS IS THE AREA OF THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
 2. WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE, SILTSACK IS FULL AND SHOULD BE EMPTIED.
 3. TO REMOVE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF SILTSACK.
 4. TO EMPTY SILTSACK, PLACE UNIT WHERE THE CONTENTS WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL LIFT SILTSACK FROM THE BOTTOM AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN.
 5. SILTSACK IS REUSABLE. ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE SILTSACK FROM THE BASIN AND CLEAN. SILTSACK SHOULD BE STORED OUT OF SUNLIGHT UNTIL NEXT USE.

**SILT SACK
DETAIL**
N.T.S.



- NOTES:**
1. BALES SHALL BE PLACED AS SHOWN WITH ENDS TIGHTLY ABUTTING ADJACENT BALES.
 2. INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 3. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE TRAFFIC, STORM FLOW OR DRAINAGE.
 4. CONTRACTOR MAY SUBSTITUTE SILT BAGS FOR HAYBALES. USE OF SILT BAGS SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT WITH NO SEPARATE PAYMENT MADE.

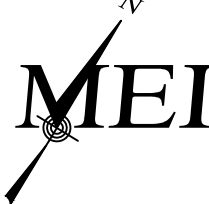
**HAYBALE EROSION CONTROL
AT CATCH BASIN**
N.T.S.



PREPARED FOR

TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA

NO.	DATE	DESCRIPTION	BY		



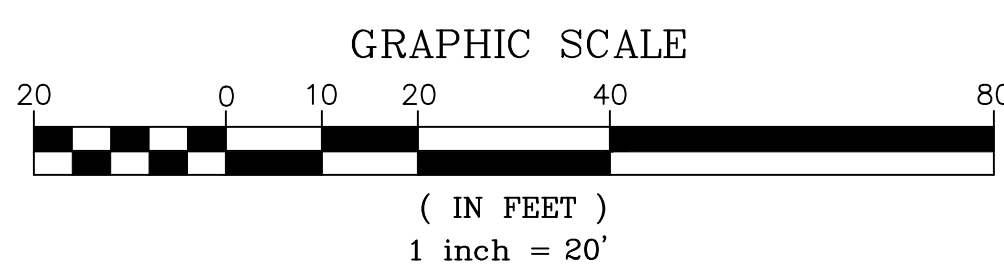
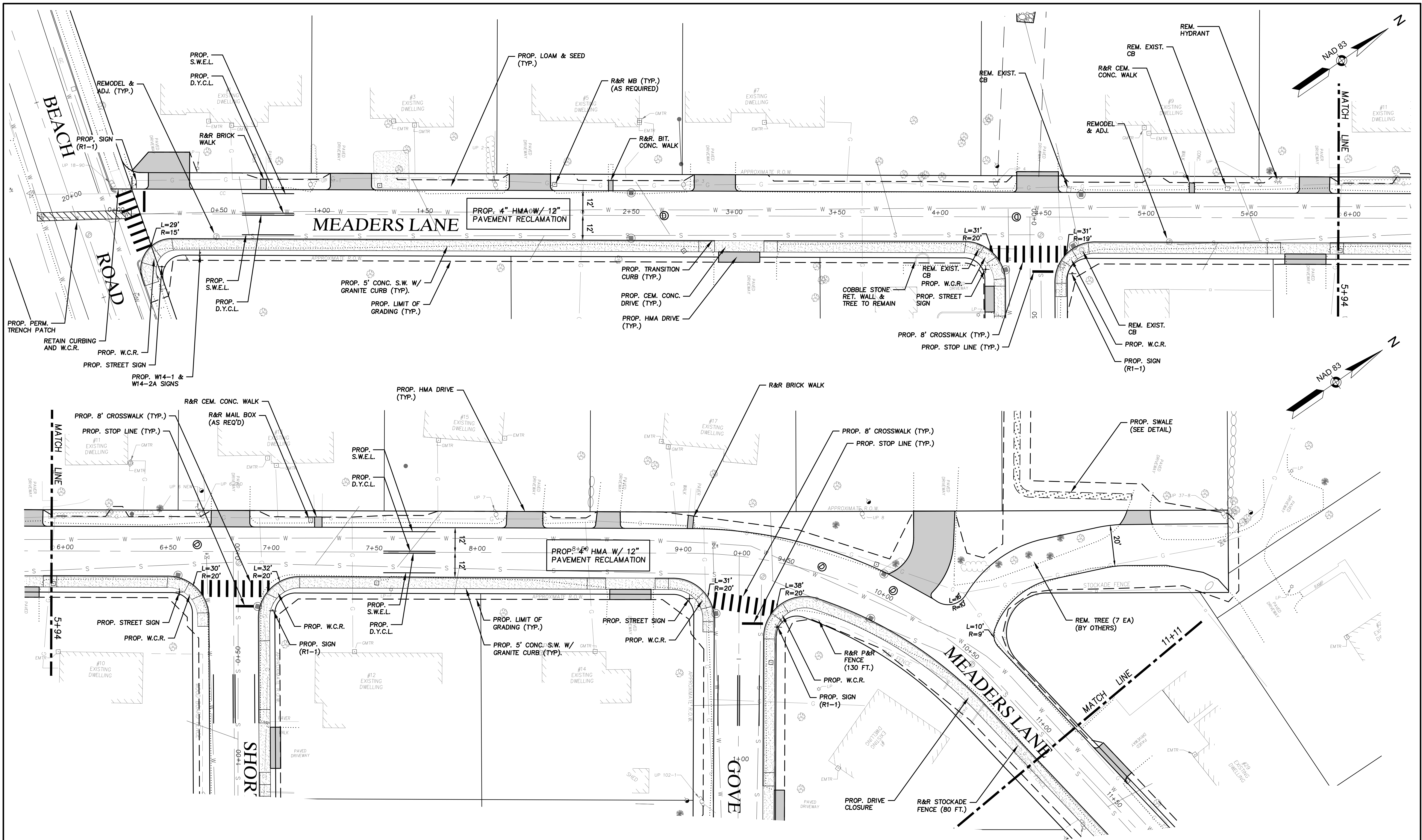
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

CONSTRUCTION
DETAILS

SHEET: 5 OF 15



PREPARED FOR
TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA

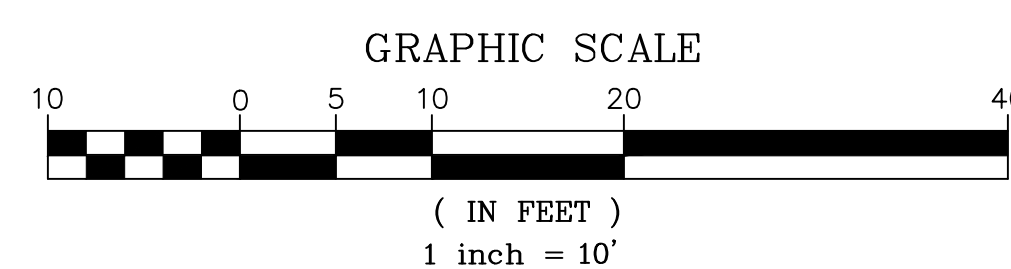
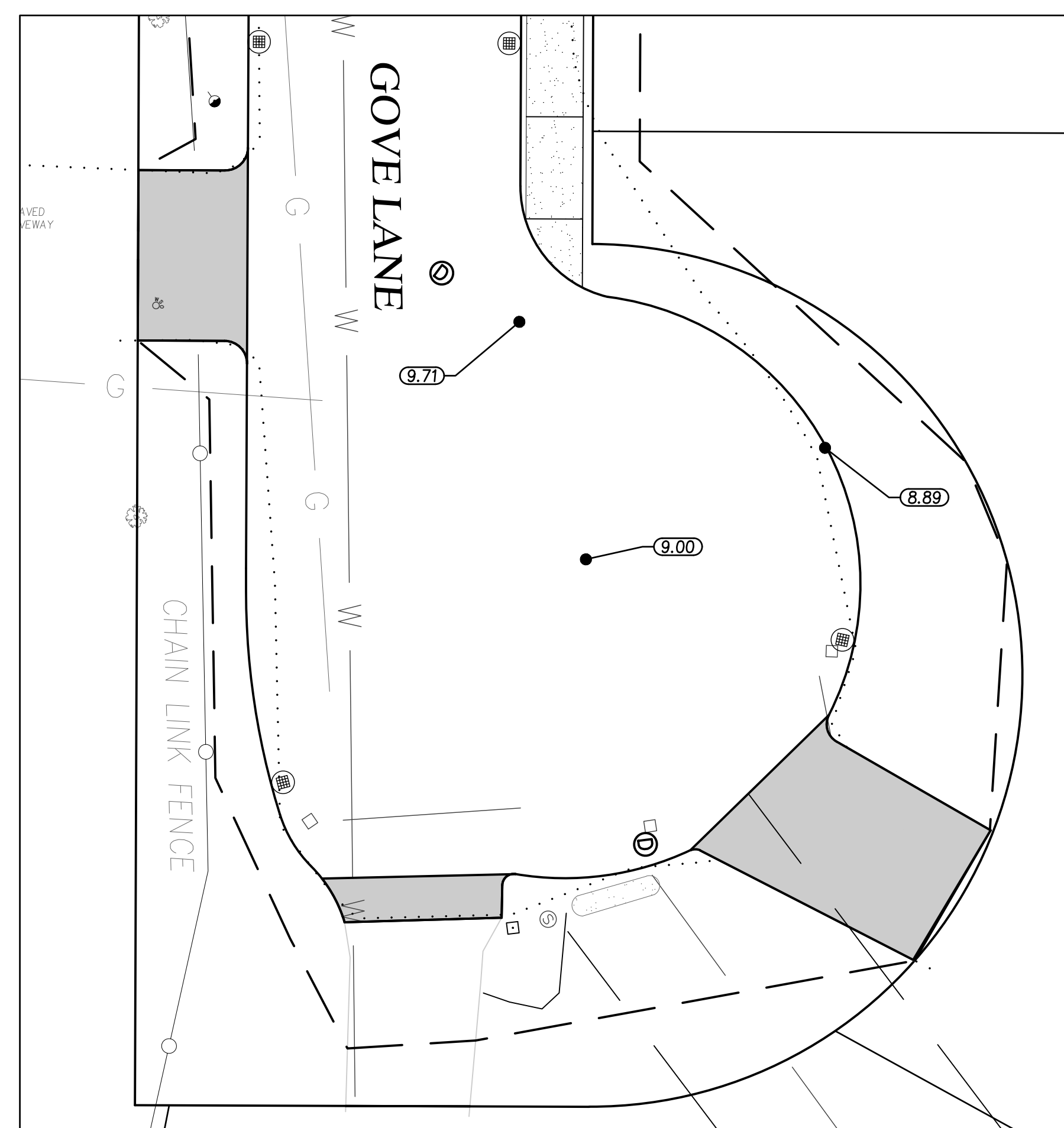
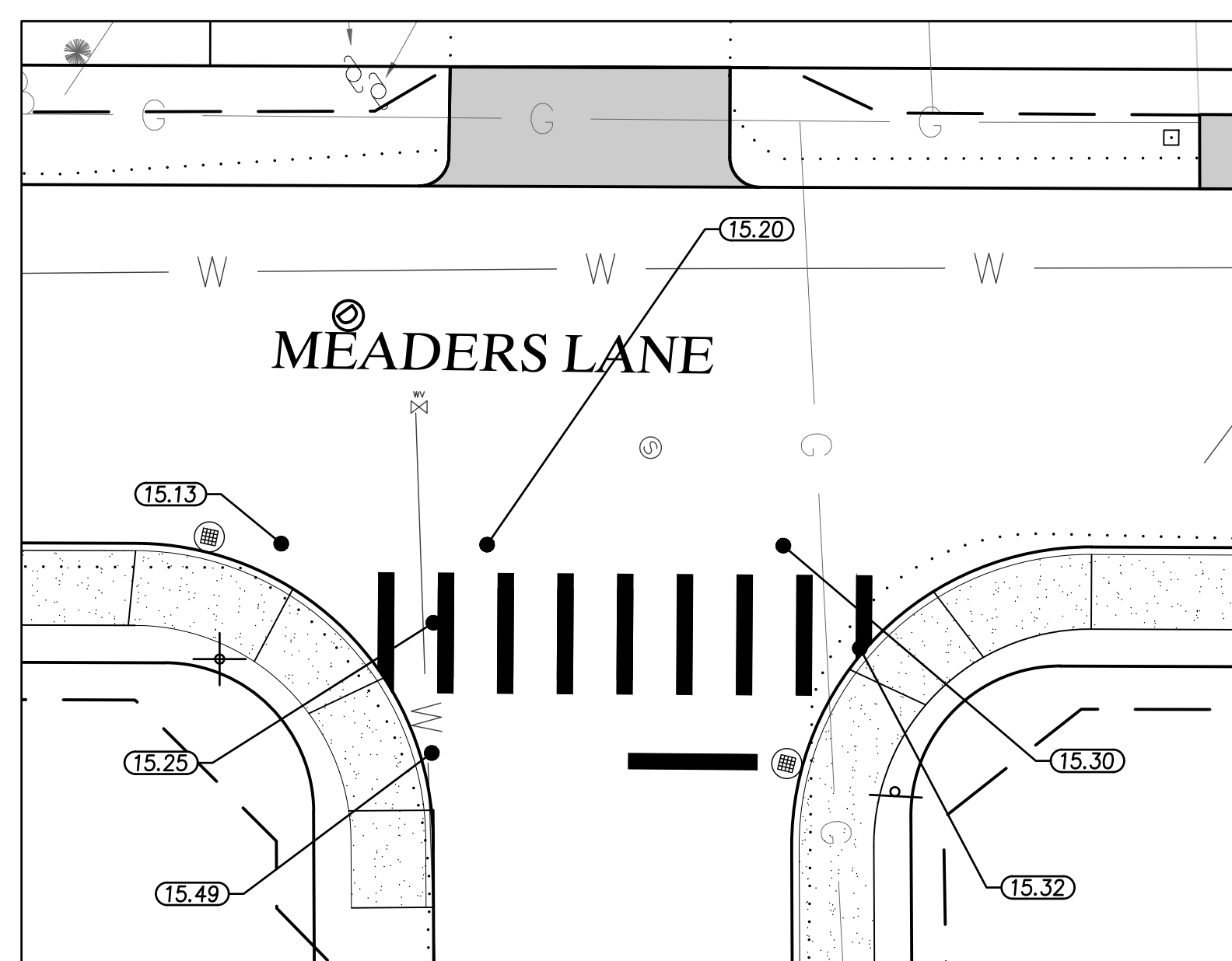
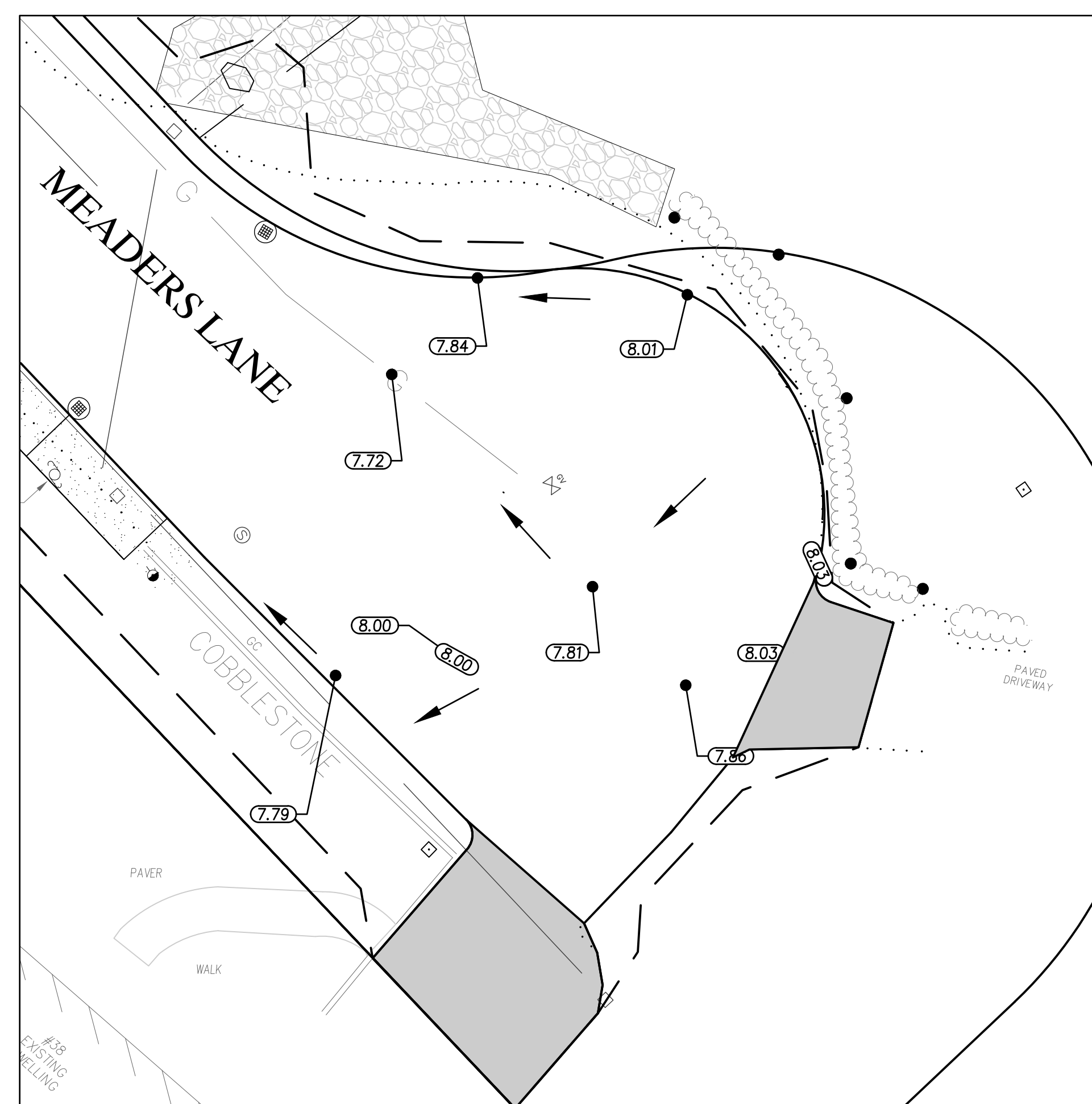
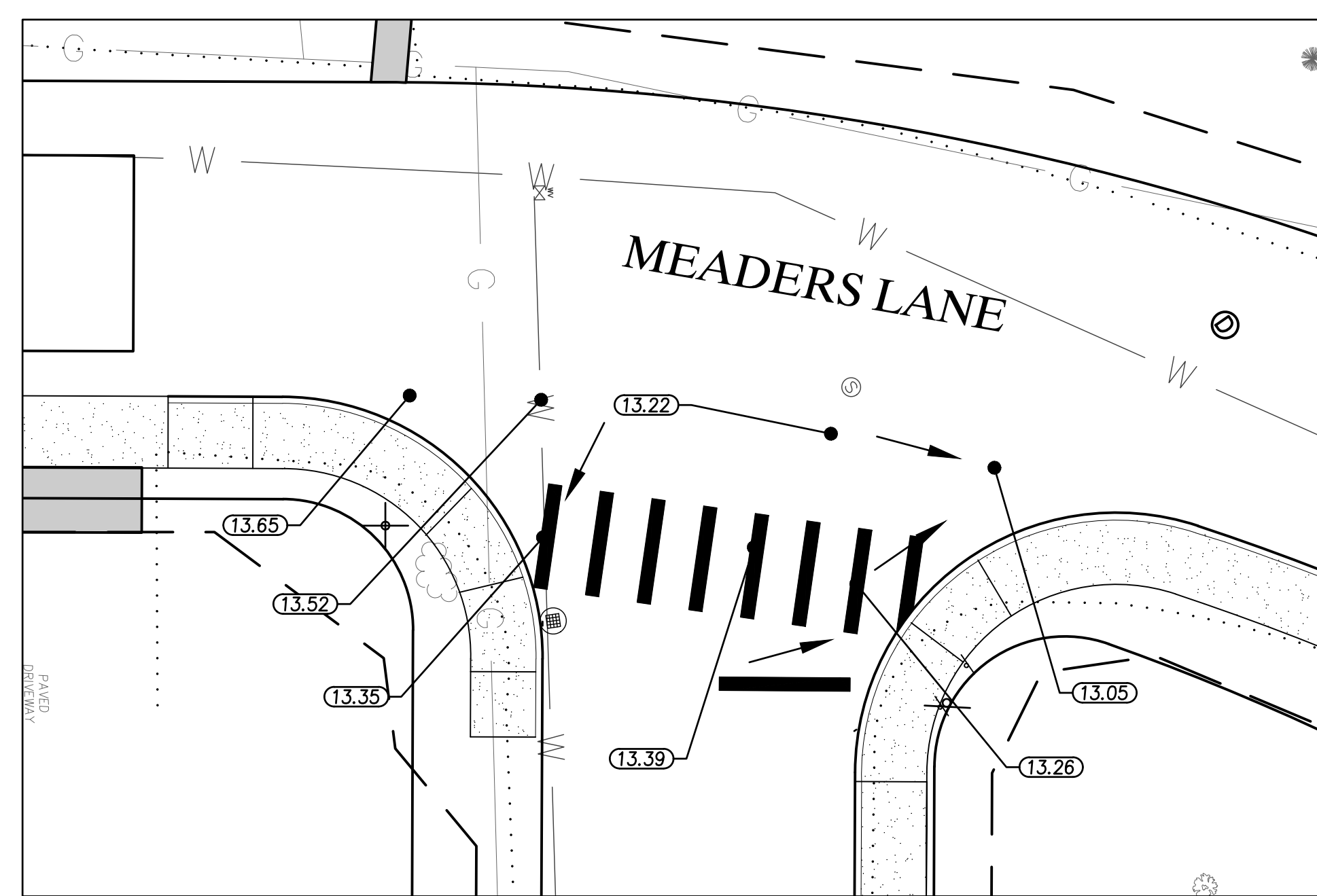
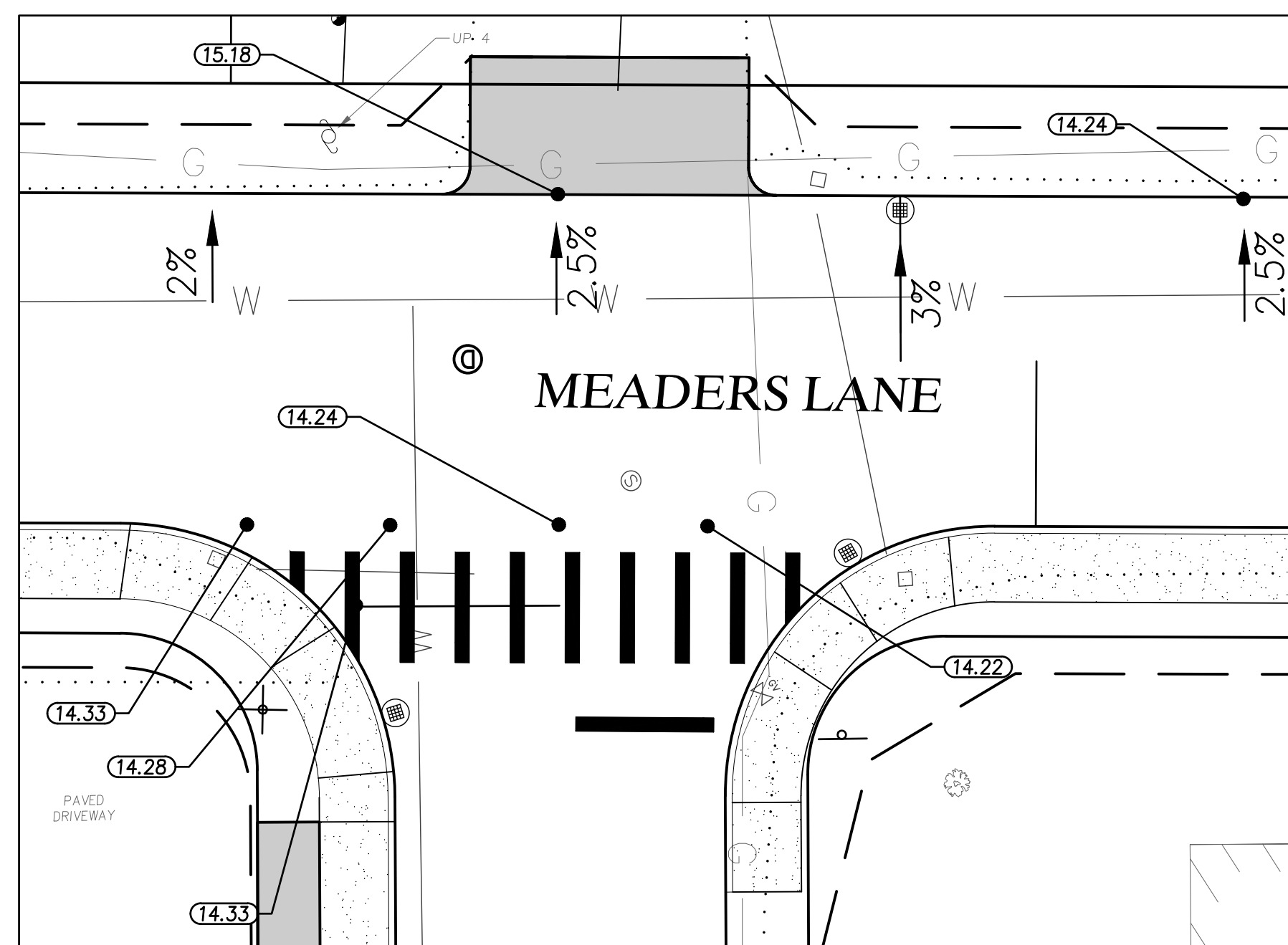
NO.	DATE	DESCRIPTION	BY

**MILLENNIUM ENGINEERING, INC.**
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

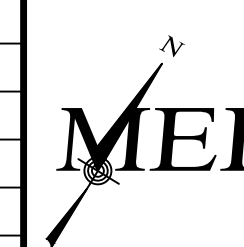
SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

**PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT**
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

**GENERAL
CONSTRUCTION
PLAN**
SHEET: 6 OF 15



PREPARED FOR
TOWN OF SALISBURY, MA
5 BEACH ROAD
SALISBURY, MA

[illegible]

MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=10'

DATE: SEPTEMBER 2021

CALC. BY: S.R.C.

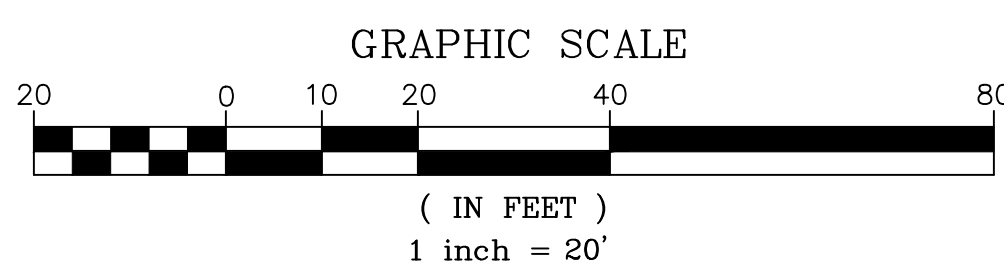
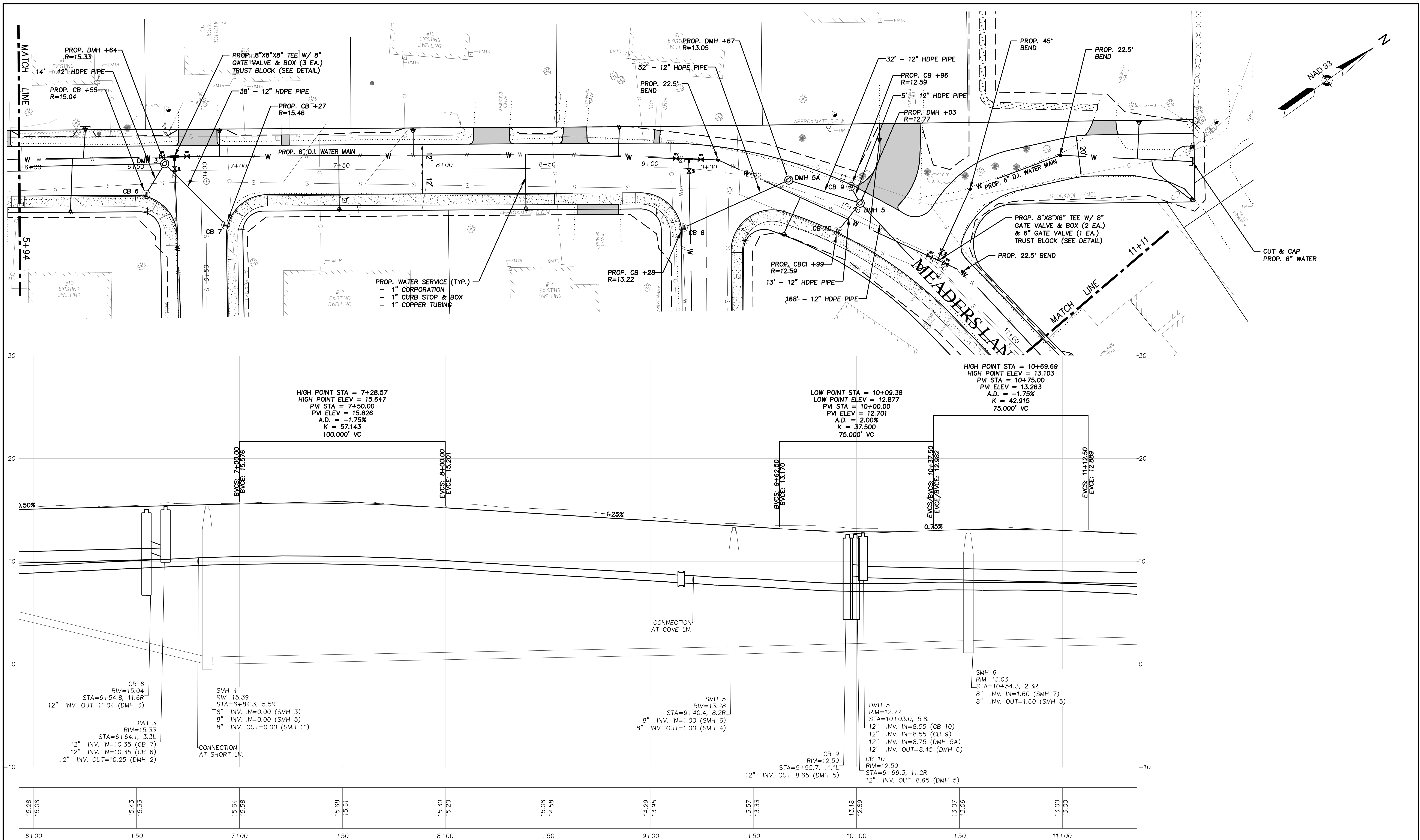
CHKD. BY: B.E.M.

PROJECT: M213907

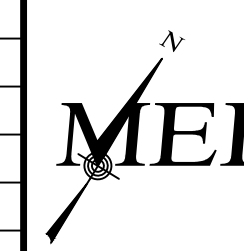
PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

GRADING PLAN

SHEET: 9 OF 15



PREPARED FOR
TOWN OF SALISBURY
5 BEACH ROAD
SALISBURY, MA



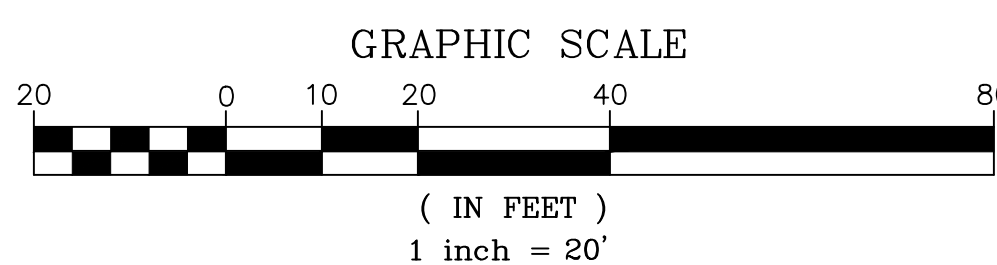
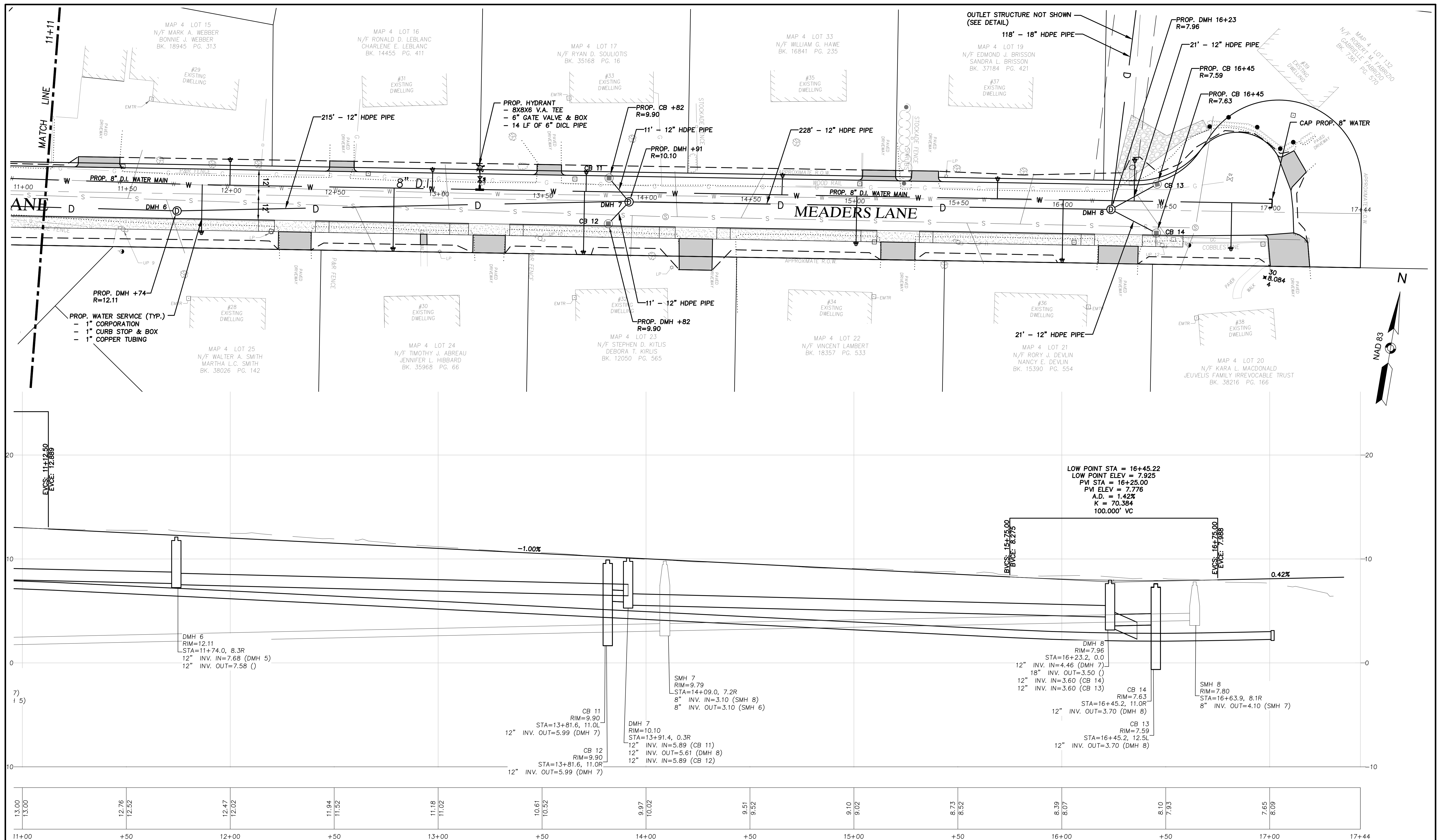
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

PROPOSED INFRASTRUCTURE IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

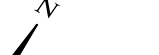
PLAN & PROFILE

SHEET: 11 OF 15



PREPARED FOR
TOWN OF SALISBURY
5 BEACH ROAD
SALISBURY, MA

[illegible]



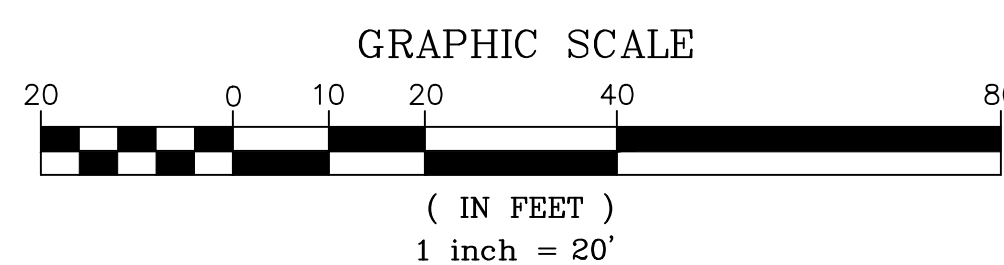
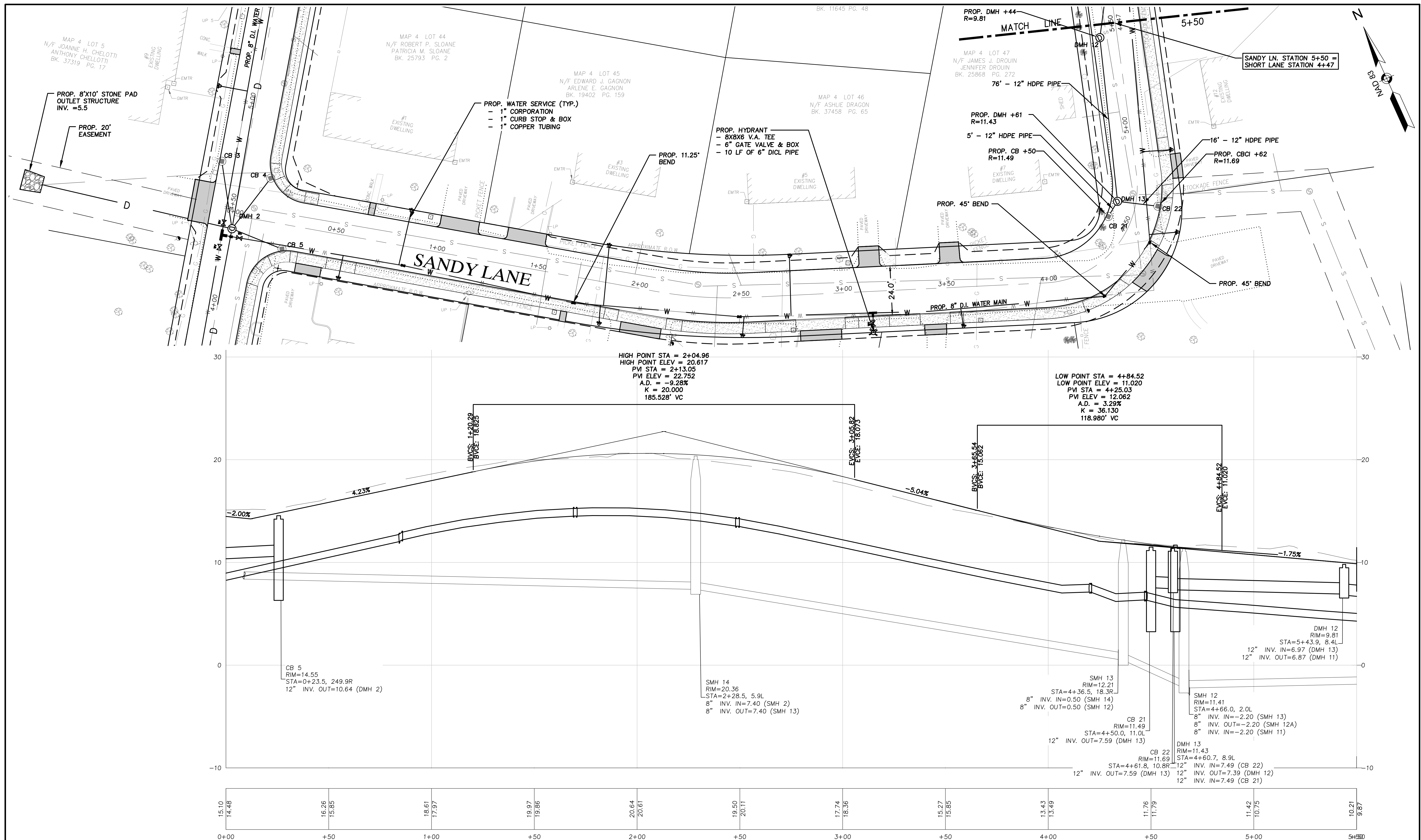
MILLENNIUM ENGINEERING, INC.
 ENGINEERING AND LAND SURVEYING
 62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
 13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

**PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT**
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

PLAN & PROFILE

SHEET: 12 OF 15



PREPARED FOR
TOWN OF SALISBURY
5 BEACH ROAD
SALISBURY, MA

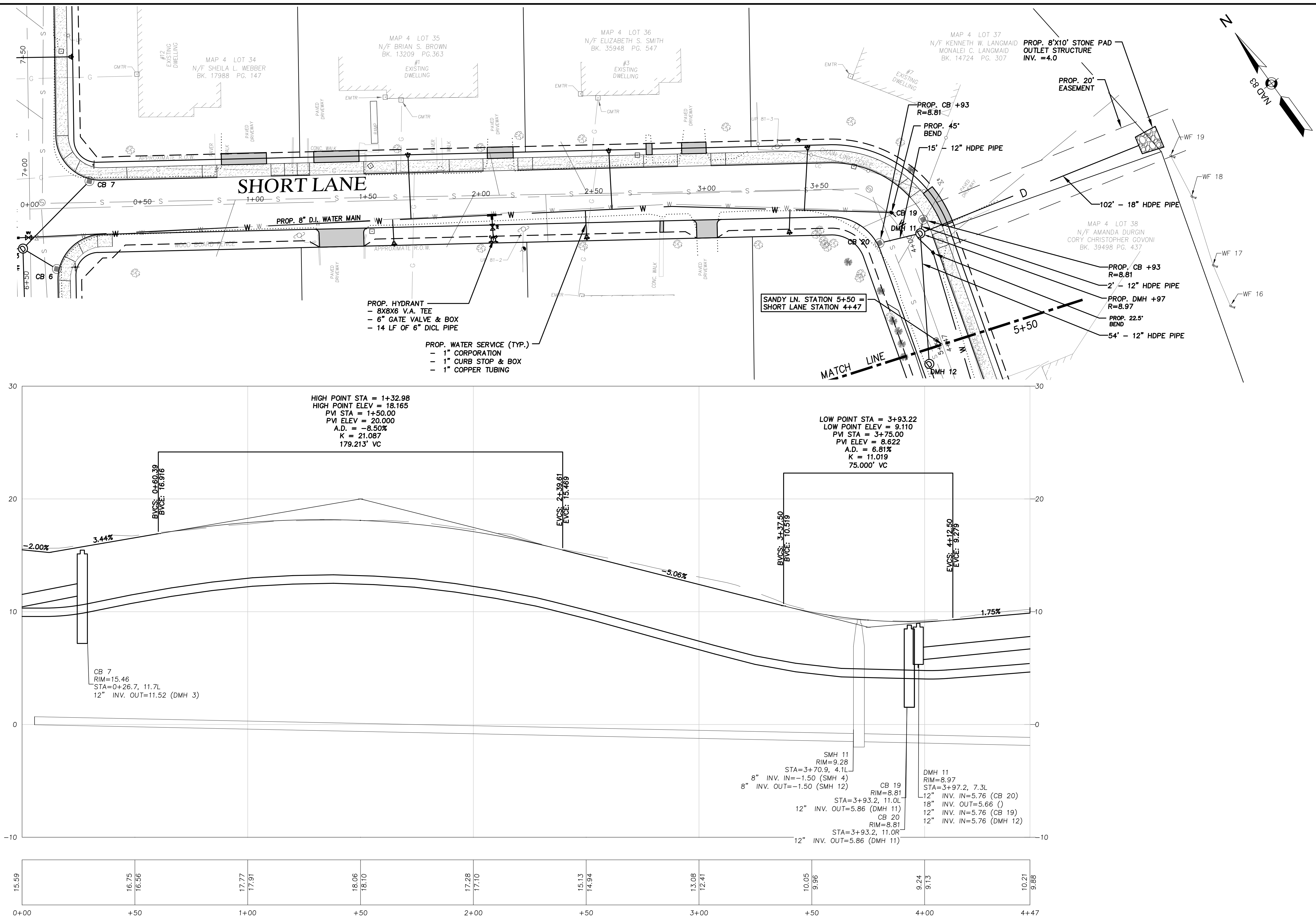
NO.	DATE	DESCRIPTION	BY

 MILLENNIUM ENGINEERING, INC. ENGINEERING AND LAND SURVEYING 62 ELM ST. SALISBURY, MA 01952 (978) 463-8980 13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528		
SCALE: 1"=20'	CALC. BY: S.R.C.	PROJECT: M213907
DATE: SEPTEMBER 2021	CHKD. BY: B.E.M.	

PROPOSED INFRASTRUCTURE
IMPROVEMENTS PROJECT
IN
SALISBURY, MA
AT
MEADERS LANE NEIGHBORHOOD

PLAN
&
PROFILE

SHEET: 14 OF 15



		PREPARED FOR TOWN OF SALISBURY 5 BEACH ROAD SALISBURY, MA	<table border="1"><thead><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	NO.	DATE	DESCRIPTION	BY																																						PROPOSED INFRASTRUCTURE IMPROVEMENTS PROJECT IN SALISBURY, MA AT MEADERS LANE NEIGHBORHOOD		PLAN & PROFILE SHEET: 15 OF 15
				NO.	DATE	DESCRIPTION	BY																																								
SCALE: 1"=20' DATE: SEPTEMBER 2021	CALC. BY: S.R.C. CHKD. BY: B.E.M.	PROJECT: M213907																																													