

# 45 WASHINGTON STREET

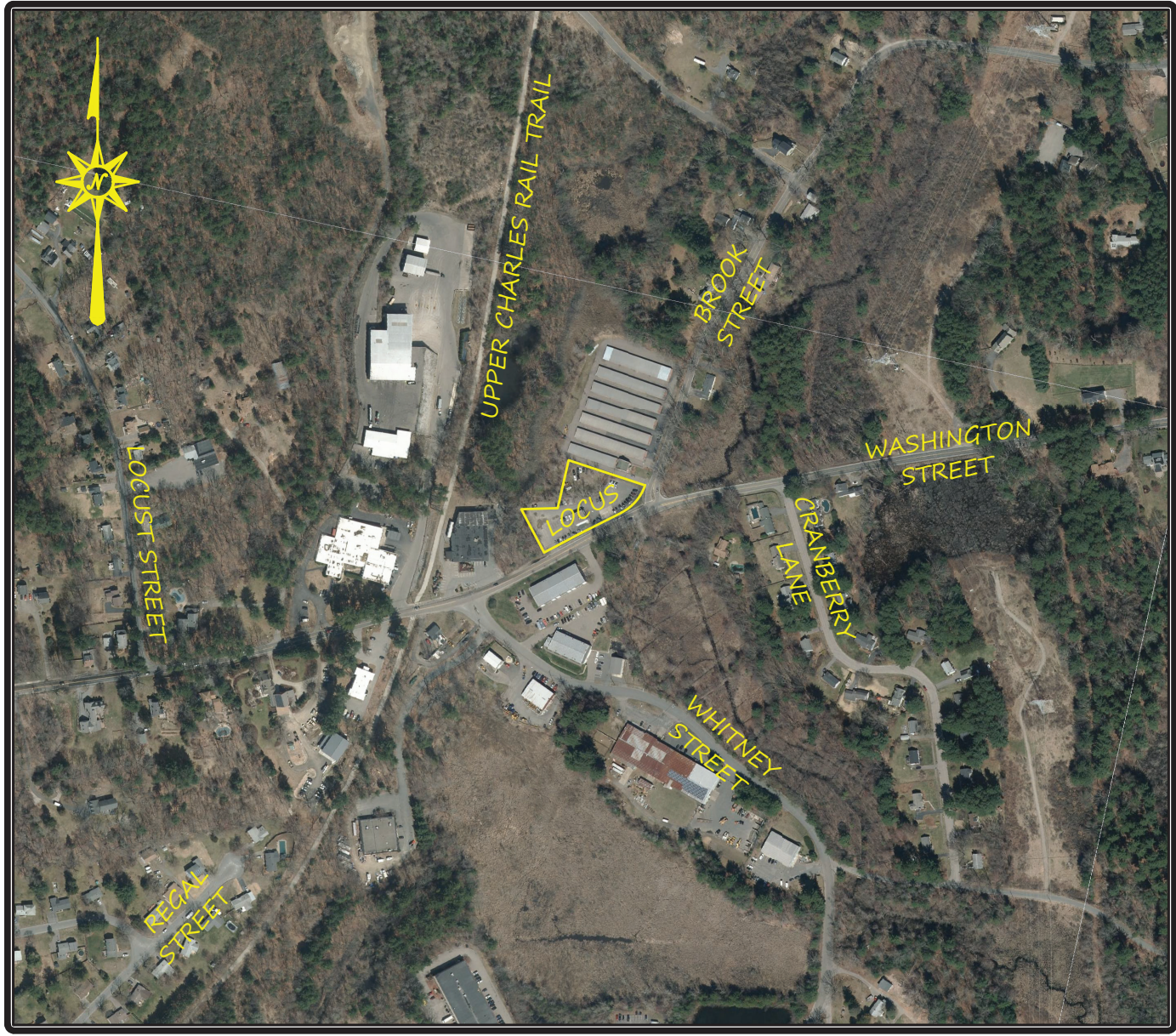
## HOLLISTON, MA

### SITE PLAN

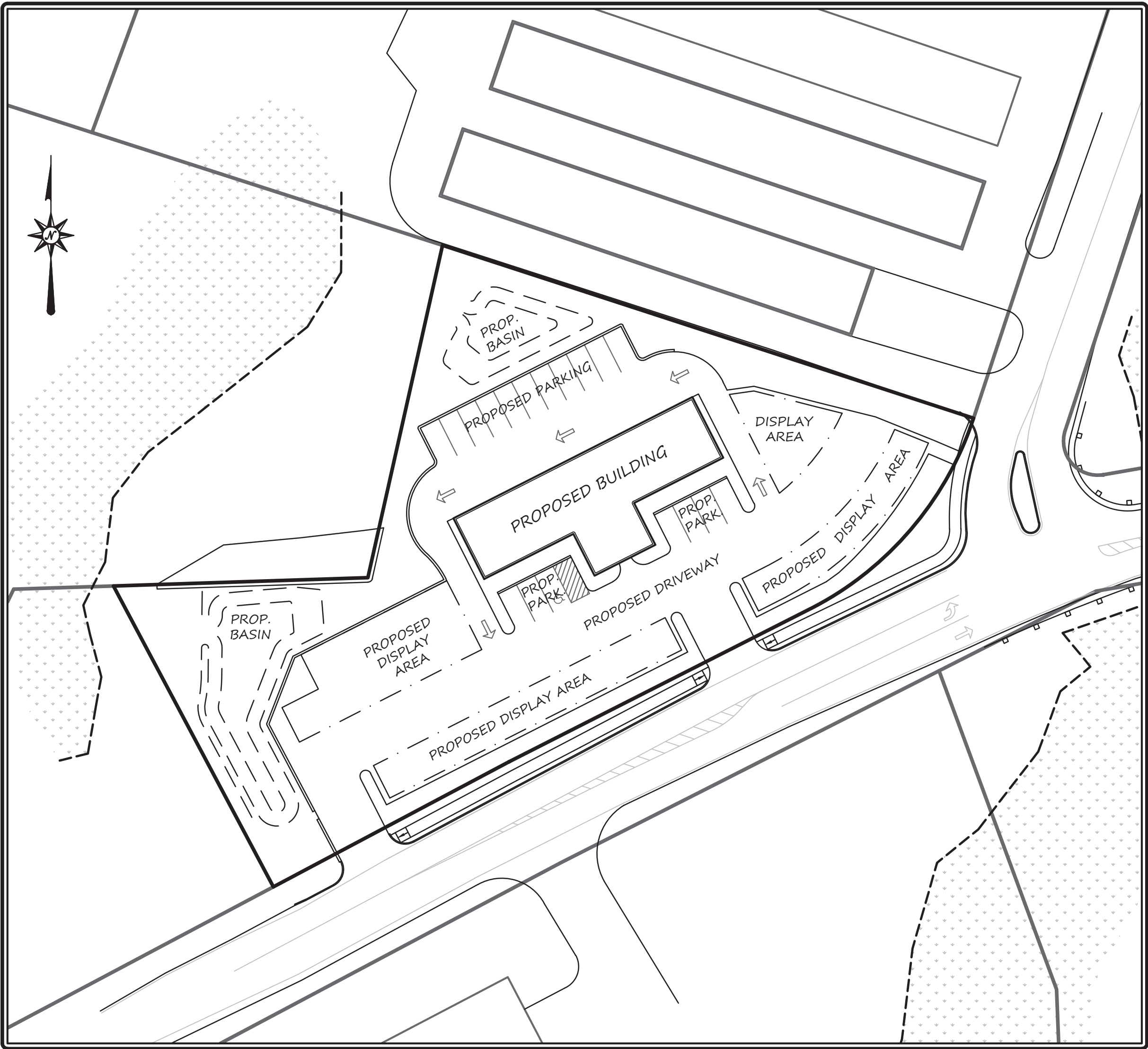
PREPARED BY:  
LEGACY ENGINEERING LLC  
730 MAIN STREET, SUITE 2C  
MILLIS, MA 02054

SEPTEMBER 8, 2020  
Latest Revision December 21, 2020

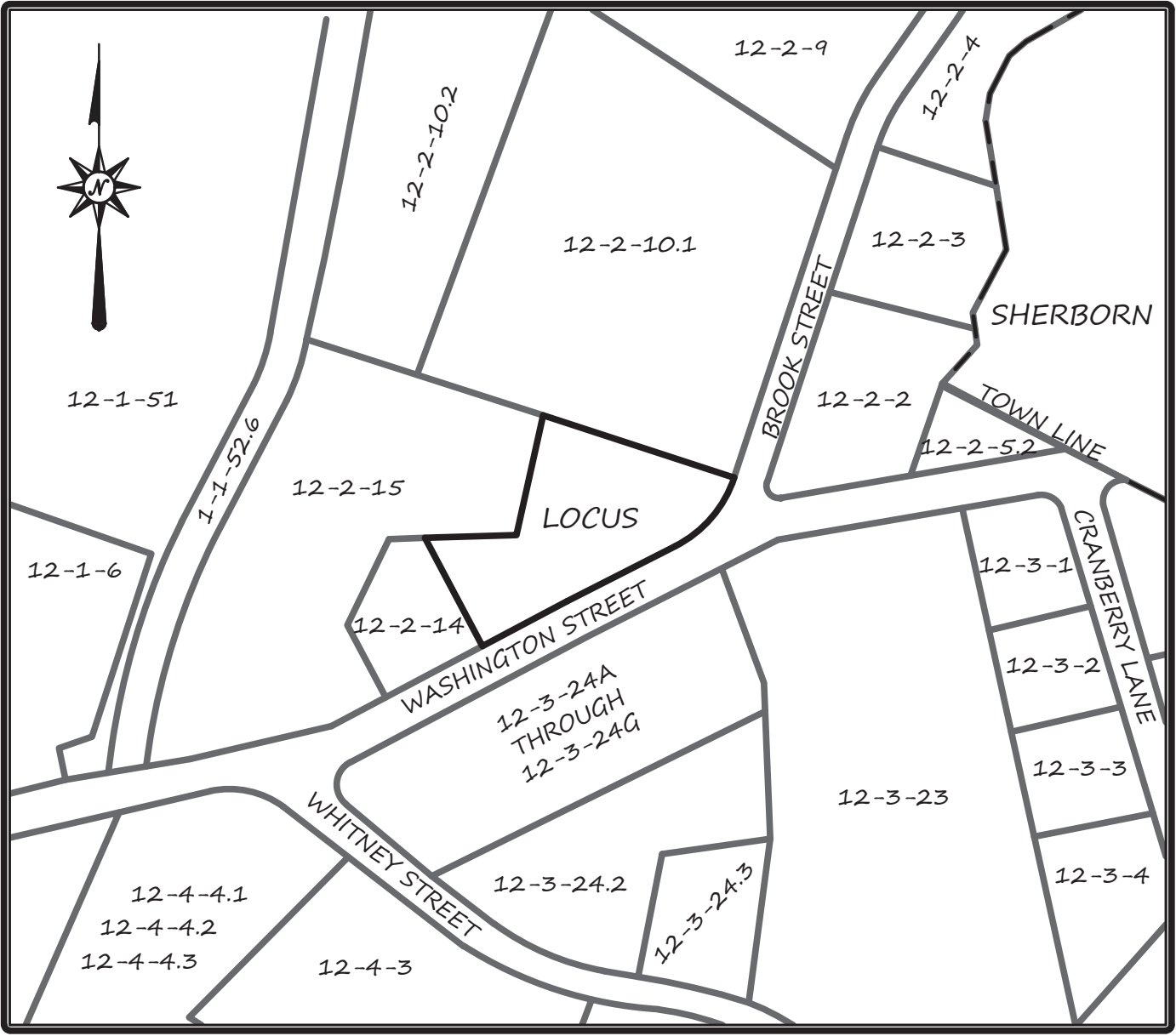
PREPARED FOR:  
GILL REALTY TRUST - I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746



2013 MASSGIS AERIAL LOCUS  
SCALE: 1" = 500'



LOCUS  
SCALE: 1" = 40'



HOLLISTON ASSESSORS LOCUS  
SCALE: 1" = 200'

OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433

CERTIFICATE OF ACTION

I ATTEST THAT THE PLANNING BOARD VOTED  
TO APPROVE THIS SPECIAL  
PERMIT/SITE PLAN ON \_\_\_\_\_ (DATE)

(SIGNATURE OF PLANNING BOARD MEMBER)

#### SHEET LEGEND

- C-0: COVER SHEET
- C-1: EXISTING CONDITIONS PLAN
- C-2: EROSION CONTROL PLAN
- C-3: LAYOUT PLAN
- C-4: GRADING & UTILITIES PLAN
- C-5: LANDSCAPING PLAN
- C-6: LIGHTING PLAN
- C-7: DETAILS
- C-8: DETAILS

730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)



LEGACY  
ENGINEERING

C-0

#### REQUESTED WAIVERS:

- 7.3.1.K TO NOT REQUIRE LOCATING OF ALL EXISTING 12" CALIPER TREES.
- 7.3.4. TO NOT REQUIRE A LANDSCAPING PLAN TO BE PREPARED BY A LANDSCAPE ARCHITECT.
- 7.4.2.F.5 TO NOT REQUIRE A TRANSPORTATION ANALYSIS SUBMISSION.
- APPENDIX B TO NOT REQUIRE BASINS TO HAVE 2% SLOPES, AND TO ALLOW BASINS WITH A LENGTH TO WIDTH RATIO GREATER THAN 4:1.



Digitally signed by Daniel  
J. Merrikin, P.E.  
Date: 2020.12.23 14:59:30  
-05'00'

PLAN SCALE: AS NOTED



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1	2020/12/21	DJM
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45 WASHINGTON STREET  
COVER SHEET  
PLAN OF LAND  
IN  
HOLLISTON, MA

- EXISTING CONDITION NOTES:
- RECORD INFORMATION:
    - DEED BOOK 17309, PAGE 433
  - THE LOCATION OF EXISTING UTILITIES IS BASED ON AVAILABLE INFORMATION SUCH AS SURFACE FEATURES AND RECORD PLANS. THE SHOWN UTILITY LOCATIONS ARE APPROXIMATE, ARE NOT WARRANTED TO BE CORRECT, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL CONTACT DIGSAFE PRIOR TO CONDUCTING ANY EXCAVATION ON THE SITE.
  - OFFSITE FEATURES SUCH AS BUILDING, PAVING LIMITS, UTILITIES, ETC... ARE APPROXIMATE ONLY AND BASED ON MASSGIS AERIAL PHOTOGRAPHS.
  - MISSING OR UNREADABLE WETLAND FLAGS ARE TO BE REPLACED BEFORE CONSTRUCTION BEGINS.

- LEGEND & ABBREVIATIONS
- CB: EXISTING CATCH BASIN
  - CB: PROP. SINGLE-GRATE CATCH BASIN
  - CB: PROP. DOUBLE-GRATE CATCH BASIN
  - STC: STORMCEPTOR TREATMENT UNIT
  - DMH: DRAIN MANHOLE
  - TR: TRENCH DRAIN
  - INFIL TR: INFILTRATION TRENCH
  - X" D: DRAIN PIPELINE
  - RCP: REINFORCED CONCRETE PIPE
  - PVC: POLYVINYL CHLORIDE PIPE
  - SMH: SEWER MANHOLE
  - X" S: SEWER PIPELINE
  - OC: SEWER SERVICE CLEANOUT
  - X" W: WATER MAIN
  - HYD: HYDRANT
  - W G.V.: WATER GATE VALVE
  - C.S.: WATER SERVICE CURB STOP
  - M.B.: WATER SERVICE METER BOX
  - G: GAS PIPELINE
  - L.P.: LIGHT POLE
  - U.P.: UTILITY POLE
  - G.Y.: GUY WIRE
  - S.P.: TRAFFIC SIGNAL POLE
  - 252: EXISTING CONTOUR
  - 252: PROPOSED CONTOUR
  - E.O.P.: EDGE OF PAVEMENT
  - C.C.B.: INTEGRAL SLOPED BIT. BERM
  - V.B.B.: VERTICAL BITUMINOUS BERM
  - S.G.C.: SLOPED GRANITE CURB
  - V.G.C.: VERTICAL GRANITE CURB
  - V.C.C.: VERTICAL CONCRETE CURB
  - E.C.S.: EDGE CONCRETE SLAB
  - G.V.: GATE VALVE
  - CL.F.: CHAIN LINK FENCE
  - W.S.F.: WOOD STOCKADE FENCE
  - P.P.F.: PVC PICKET FENCE
  - G.R.: GUARD RAIL
  - C.C.: HANDICAP CURB CUT

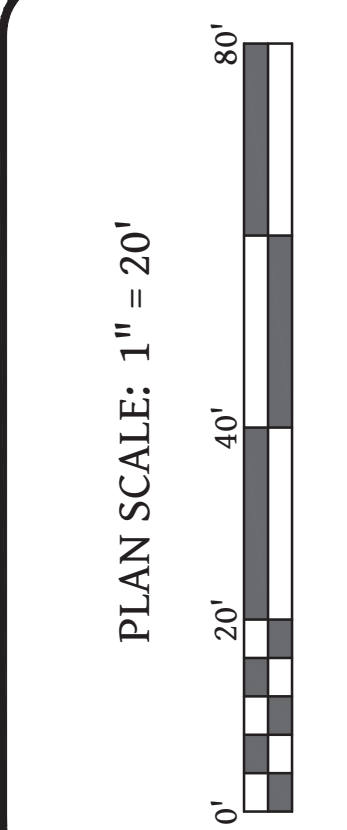
OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433

DIGITALLY SIGNED BY  
DANIEL J. MERRIKIN, P.E.  
DATE: 2020.12.23  
14:59:46 -05'00'



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PLAN DATE: SEPTEMBER 8, 2020

45 WASHINGTON STREET  
EXISTING CONDITIONS  
& EROSION CONTROL  
PLAN OF LAND IN  
HOLLISTON, MA

730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)



C-1

D143-01

EROSION CONTROL NOTES:

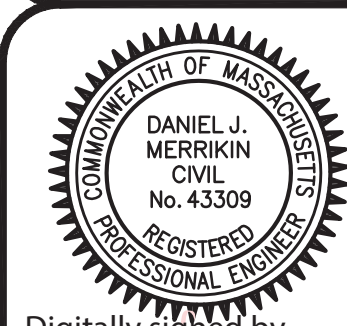
1. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION. EROSION CONTROLS SHALL BE MAINTAINED IN GOOD CONDITION AT ALL TIMES. EROSION CONTROLS SHALL REMAIN UNTIL SUCH TIME AS THE ADJACENT DISTURBED AREAS ARE COMPLETELY STABILIZED AS APPROVED BY THE CONSERVATION COMMISSION.
2. ALL SOIL STOCKPILES SHALL BE PROTECTED WITH COMPOST SOCK PERIMETER CONTROLS AND SEEDING/STABILIZATION PROTOCOL.
3. ALL EXISTING CATCH BASINS NEAR THE SITE AND ALL PROPOSED CATCH BASINS ARE TO BE PROTECTED WITH A SILTSAC UNTIL ALL UPSTREAM AREAS ARE STABILIZED. CLEAN AS NEEDED THROUGHOUT CONSTRUCTION.

OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

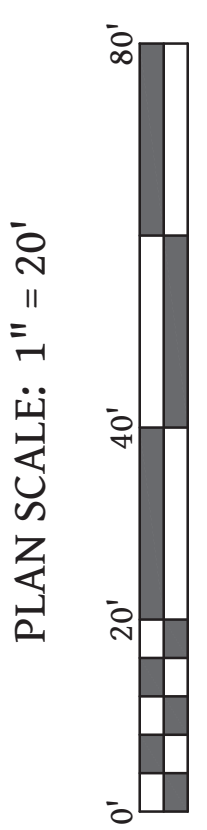
ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433



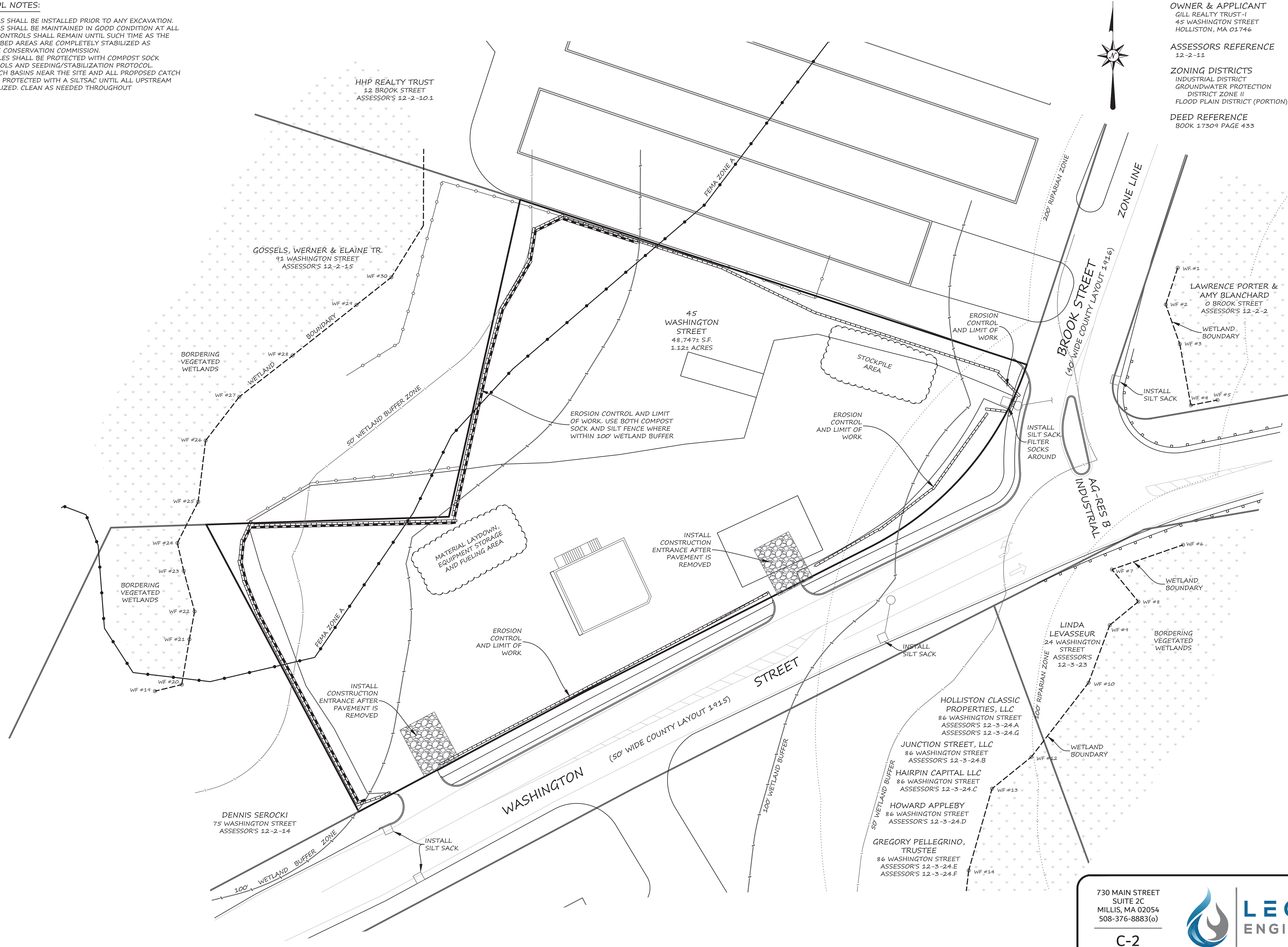
Digitally signed by  
Daniel J. Merrikin, P.E.  
Date: 2020.12.23  
15:00:03 -05'00'



REVISIONS PER TOWN COMMENTS	DATE	BY
	2020/12/21	DJM

PLAN DATE: SEPTEMBER 8, 2020

45 WASHINGTON STREET  
EROSION CONTROL  
PLAN OF LAND  
IN  
HOLLISTON, MA



730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)



LAYOUT NOTES:

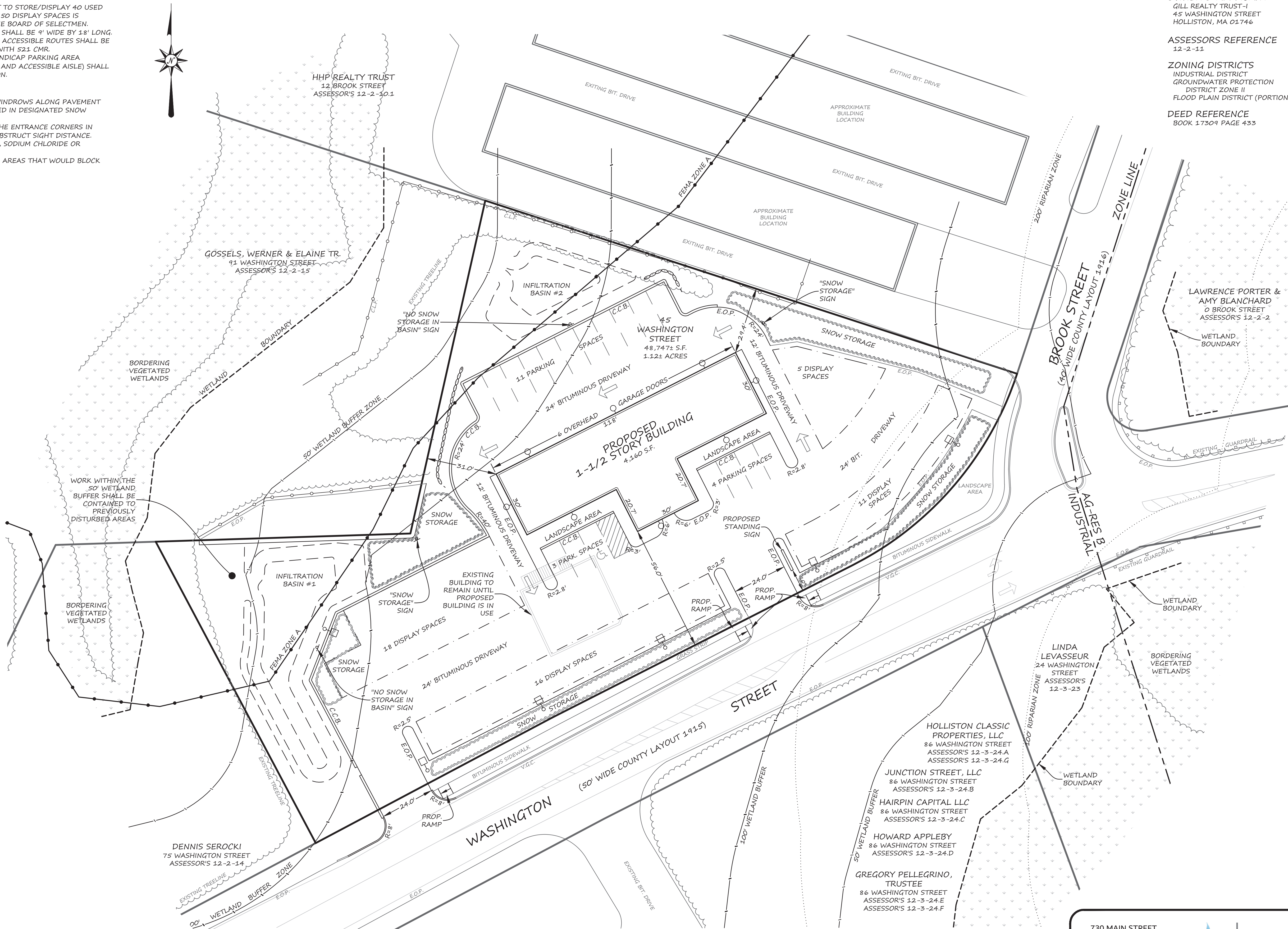
1. THE APPLICANT HOLDS A PERMIT TO STORE/DISPLAY 40 USED CARS. APPROVAL OF THE USE OF 50 DISPLAY SPACES IS SUBJECT TO THE DECISION OF THE BOARD OF SELECTMEN.
2. ALL PROPOSED PARKING SPACES SHALL BE 9' WIDE BY 18' LONG.
3. HANDICAP PARKING SPACES AND ACCESSIBLE ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH 521 CMR.
4. THE FINISHED GRADE OF ANY HANDICAP PARKING AREA (INCLUDING THE PARKING SPACE AND ACCESSIBLE AISLE) SHALL NOT EXCEED 2% IN ANY DIRECTION.

SNOW REMOVAL NOTES:

1. SNOW SHALL BE PLOWED INTO WINDROWS ALONG PAVEMENT WHERE POSSIBLE AND STOCKPILED IN DESIGNATED SNOW STORAGE AREAS.
2. SNOW SHALL NOT BE PILED AT THE ENTRANCE CORNERS IN SUCH A MANNER THAT IT WILL OBSTRUCT SIGHT DISTANCE.
3. ICE CONTROL SHALL BE BY SAND, SODIUM CHLORIDE OR CALCIUM CHLORIDE.
4. SNOW SHALL NOT BE STORED IN AREAS THAT WOULD BLOCK STORMWATER FACILITIES.

ZONING REQUIREMENTS:

ZONE: INDUSTRIAL  
MIN. LOT AREA:  
REQUIRED: 20,000 S.F.  
PROVIDED: 48,747 S.F.  
MIN. FRONTAGE:  
REQUIRED: 100'  
PROVIDED: 231.23'  
MIN. FRONT SETBACK:  
REQUIRED: 30'  
PROVIDED: 56'  
MIN. SIDE SETBACK:  
REQUIRED: 20'  
PROVIDED: 29.4'  
MIN. REAR SETBACK:  
REQUIRED: 30'  
PROVIDED: 31'  
MAX. HEIGHT:  
REQUIRED: 40'  
PROVIDED: 40'  
MAX. LOT COVERAGE:  
REQUIRED: 40%  
EXISTING: 2.4%  
PROVIDED: 8.5%  
MAX. IMPERVIOUS COVERAGE  
REQUIRED: 40%  
EXISTING: 84%  
PROVIDED: 63%  
MAX. FAR:  
REQUIRED: 0.50  
PROVIDED: 0.17  
PARKING:  
REQUIRED: 1SP./180S.F.= 13 SPACES  
PROVIDED: 18 SPACES



OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

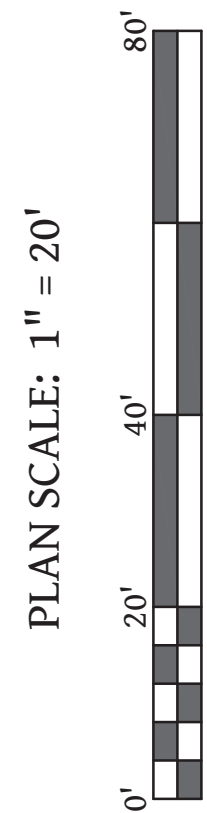
ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433



Digitally signed by Daniel  
J. Merrikin, P.E.  
Date: 2020.12.23 15:00:20  
-05'00'



PLAN SCALE: 1" = 20'

REVISION	DATE	BY
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45 WASHINGTON STREET  
LAYOUT  
PLAN OF LAND  
IN  
HOLLISTON, MA

730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)



C-3

UTILITY NOTES:

1. DOMESTIC WATER SERVICE SHALL BE TYPE K COPPER IN ACCORDANCE WITH THE REQUIREMENTS OF THE SEWER AND WATER DEPARTMENT. THE PROJECT ARCHITECT SHALL VERIFY THE DOMESTIC, IRRIGATION AND FIRE WATER SERVICE PIPE SIZE REQUIREMENTS FOR THE BUILDING.
2. DRAINAGE PIPING SHALL BE HDPE RATED FOR H2O LOADING. (ADS N12 OR EQUAL)
3. SEPTIC PIPING SHALL BE SCHEDULE 80 PVC.
4. THE ELECTRIC COMPANY SHALL DETERMINE THE FINAL LOCATION AND DESIGN OF THE ELECTRIC SERVICE AND TRANSFORMER (IF NEEDED). CONDUITS TO PROPOSED LIGHT POLES SHALL BE DESIGNED BY THE ARCHITECT.
5. WETLAND MARKERS SHALL CONSISTS OF 4"x4" CONCRETE BOUNDS EXTENDING 12" ABOVE GRADE WITH ANY SIGNAGE THAT MAY BE REQUIRED BY THE CONSERVATION AGENT.

GRADING NOTES:

1. CUT/FILL IN FLOOD ZONE
- 1.1. FILL: 87.9 C.Y.
- 1.2. CUT: 93.5 C.Y.
- 1.3. CHANGE: 5.6 C.Y. CUT

OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433



Digitally signed by Daniel J. Merrikin, P.E.  
Date: 2020.12.23 15:00:34 -05'00'



PLAN SCALE: 1" = 20'



PLAN DATE: SEPTEMBER 8, 2020

REVISION	DATE	BY
1	2020/12/21	DJM
REVISIONS PER TOWN COMMENTS		

45 WASHINGTON STREET  
GRADING & UTILITIES  
PLAN OF LAND  
IN  
HOLLISTON, MA

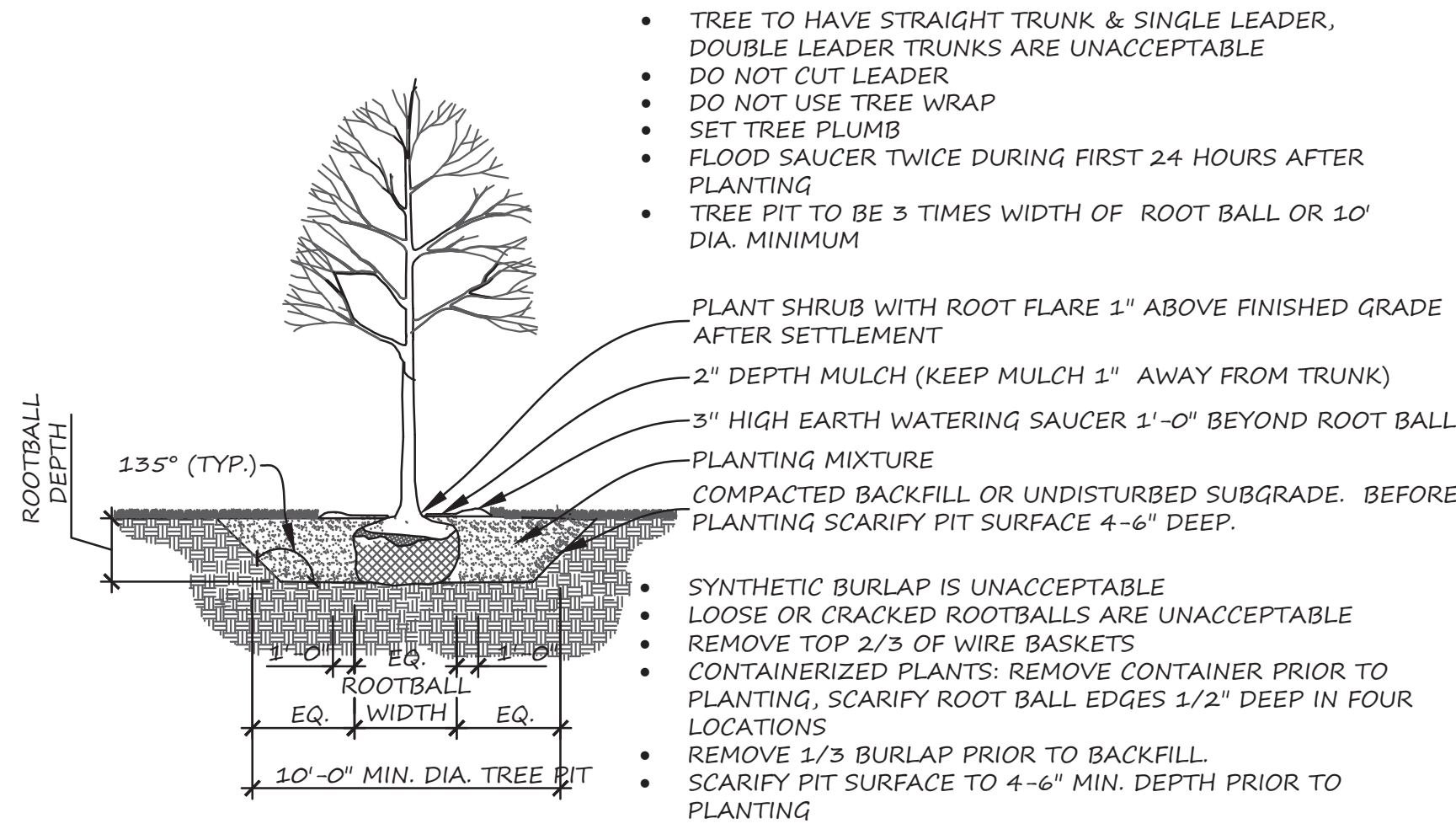
730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)



LEGACY  
ENGINEERING

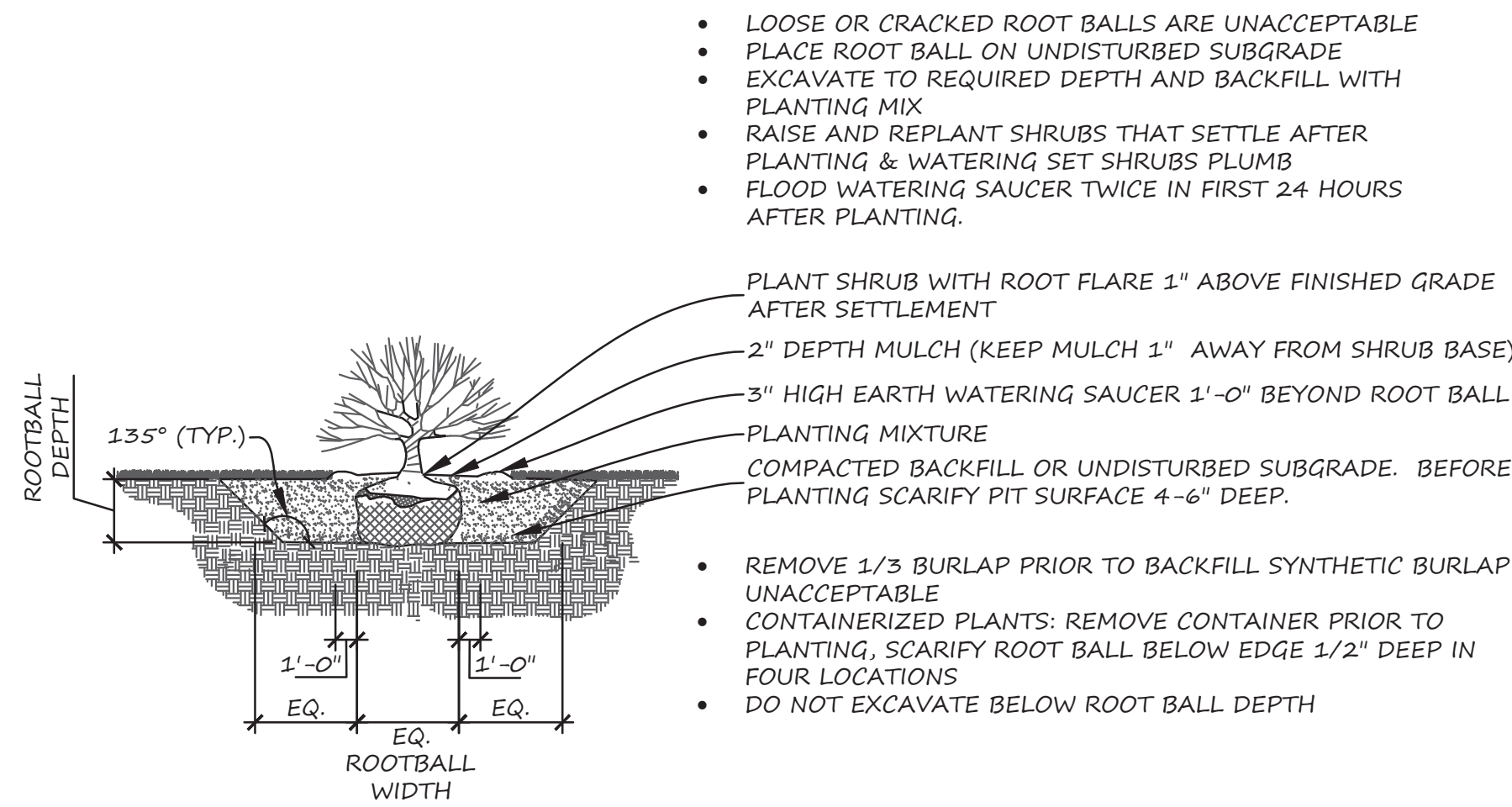
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D143-01



### TREE DETAIL

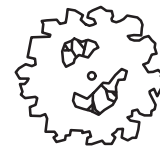
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### SHRUB DETAIL

NOT TO SCALE

### PLANTING LEGEND



SHADE TREES: 1.5" CALIPER DECIDUOUS TREES. PROVIDE AT LEAST THREE NATIVE SPECIES: RED MAPLE, SUGAR MAPLE, WHITE ASH, TREMBLING ASPEN, WHITE OAK, OR RED OAK.



EVERGREEN TREES: 5'-6" HEIGHT. PROVIDE NATIVE SPECIES ONLY: GREEN GIANT ARBORVITAE, WHITE SPRUCE, NORTHERN WHITE CEDAR, OR BALSAM FIR.



12" - 24" SHRUBS: VARIETY OF NATIVE SPECIES

### LANDSCAPING NOTES:

1. TREES AND SHRUBS SHALL BE UNIFORM, FULL AND BUSHY, AND WELL BRANCHED SPECIMEN PLANTS.
2. PLANT BEDS TO RECEIVE 3" MINIMUM DEPTH OF MULCH.
3. PLANTS SHALL BE GUARANTEED FOR ONE YEAR AFTER INSTALLATION.
4. PLANTING BEDS SHALL HAVE A MINIMUM OF 6" OF LOAM. LOAM FOR TREES AND SHRUBS SHALL BE TO THE DEPTH OF THE ROOT BALL.
5. LOAM (6") AND SEED ALL DISTURBED AREAS THAT ARE NOT PLANTING BEDS.
6. ALL INVASIVE SPECIES WITHIN THE LIMIT OF WORK ARE TO BE REMOVED IN ACCORDANCE WITH METHODS RECOMMENDED BY THE PROJECT BOTANIST. SOME INVASIVE SPECIES ON THE SITE INCLUDE BITTERSWEET, JAPANESE KNOTWEED, MULTIFLORAL ROSE, AND AUTUMN OLIVE.
7. PLANT SPECIES SHALL BE APPROVED BY THE CONSERVATION AGENT.
8. ALL TREES AND SHRUBS SHALL BE NATIVE TO MASSACHUSETTS.

DENNIS SEROCKI  
5 WASHINGTON STREET  
ASSESSOR'S 12-2-14

HHP REALTY TRUST  
12 BROOK STREET  
ASSESSOR'S 12-2-10.1

PROPOSED  
1-1/2 STORY BUILDING  
4,160 S.F.

PROPOSED  
EVERGREEN  
TREES (TYP.)

SHRUB  
PLANTING  
BED

PROPOSED  
DECIDUOUS  
TREES (TYP.)

HOLLISTON CLASSIC  
PROPERTIES, LLC  
86 WASHINGTON STREET  
ASSESSOR'S 12-3-24.A  
ASSESSOR'S 12-3-24.G

JUNCTION STREET, LLC  
86 WASHINGTON STREET  
ASSESSOR'S 12-3-24.B

HAIRPIN CAPITAL LLC  
86 WASHINGTON STREET  
ASSESSOR'S 12-3-24.C

HOWARD APPLEBY  
86 WASHINGTON STREET  
ASSESSOR'S 12-3-24.D

GREGORY PELLEGRINO,  
TRUSTEE  
86 WASHINGTON STREET  
ASSESSOR'S 12-3-24.E  
ASSESSOR'S 12-3-24.F

OWNER & APPLICANT  
GILL REALTY TRUST-I  
45 WASHINGTON STREET  
HOLLISTON, MA 01746

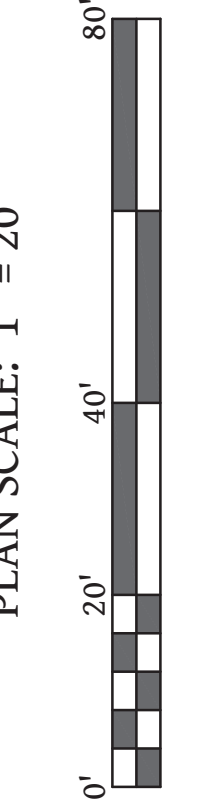
ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433



Digitally signed by Daniel  
J. Merrikin, P.E.  
Date: 2020.12.23 15:00:49  
05'00"



PLAN SCALE: 1" = 20'

PLAN DATE: SEPTEMBER 8, 2020

REVISION	DATE	BY
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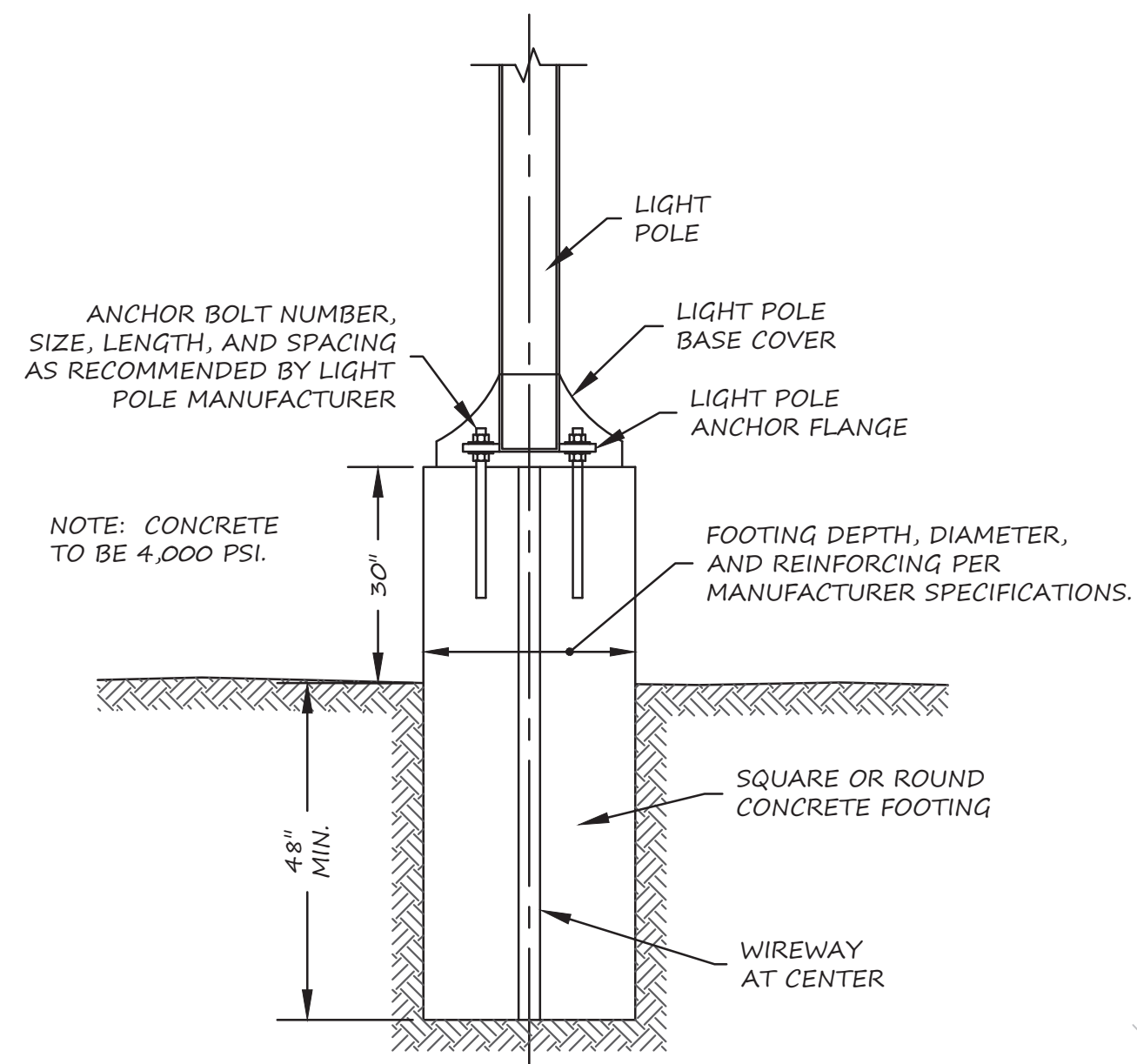
45 WASHINGTON STREET  
LANDSCAPING  
PLAN OF LAND  
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HOLLISTON, MA

730 MAIN STREET  
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MILLIS, MA 02054  
508-376-8883(o)

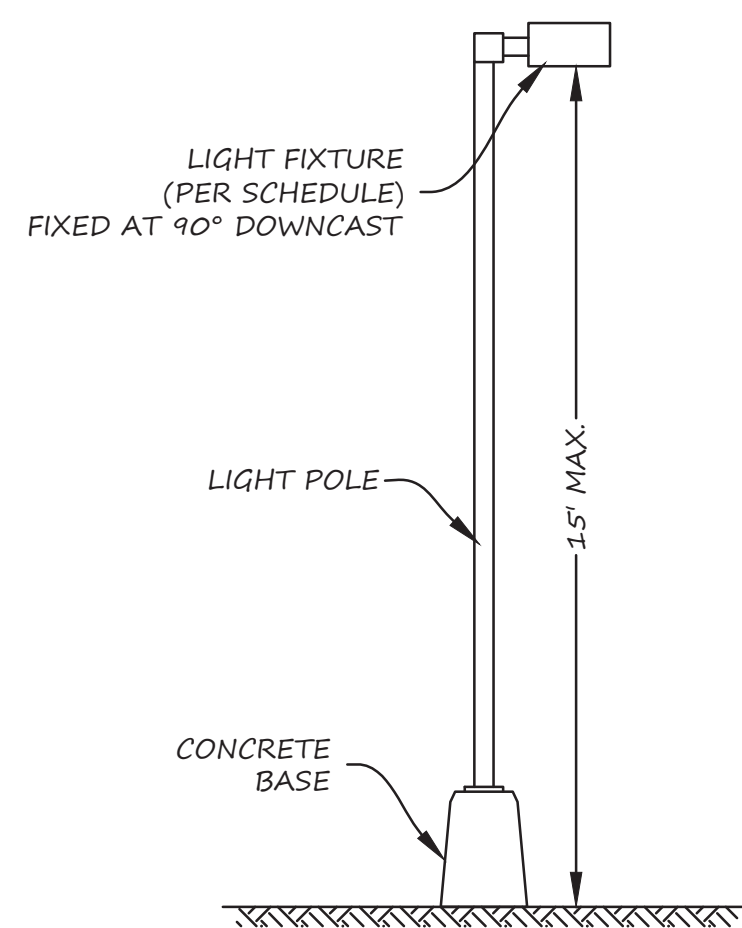


LEGACY  
ENGINEERING

C-5



CONCRETE LIGHT POLE BASE DETAIL  
NOT TO SCALE



TYPICAL LIGHT POLE DETAIL  
NOT TO SCALE

LUMINAIRE SCHEDULE							
CALLOUT	SYMBOL	QUANTITY	LAMP	MOUNTING TYPE	MOUNTING HEIGHT	MODEL	TOTAL LUMENS
LP1	○□	6	(6) FOUR WHITE LIGHT EMITTING DIODES (LEDs)	POLE	15' ABOVE GRADE	RAB LIGHTING INC., ALED4T105Y (TYPE IV)	12971
WP1	○	8	(2) FOUR WHITE LIGHT EMITTING DIODES (LEDs)	WALL	9' ABOVE GRADE	RAB LIGHTING, INC., WPLEDFC52 (FULL CUTOFF VERSION)	7392



OWNER & APPLICANT  
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12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433

DIGITALLY SIGNED BY  
DANIEL J. MERRIKIN  
CIVIL  
No. 43309  
PROFESSIONAL ENGINEER  
MASSACHUSETTS

Digitally signed by Daniel J. Merrikin, P.E.  
Date: 2020.12.23 15:01:04 -05'00'



PLAN SCALE: 1" = 20'



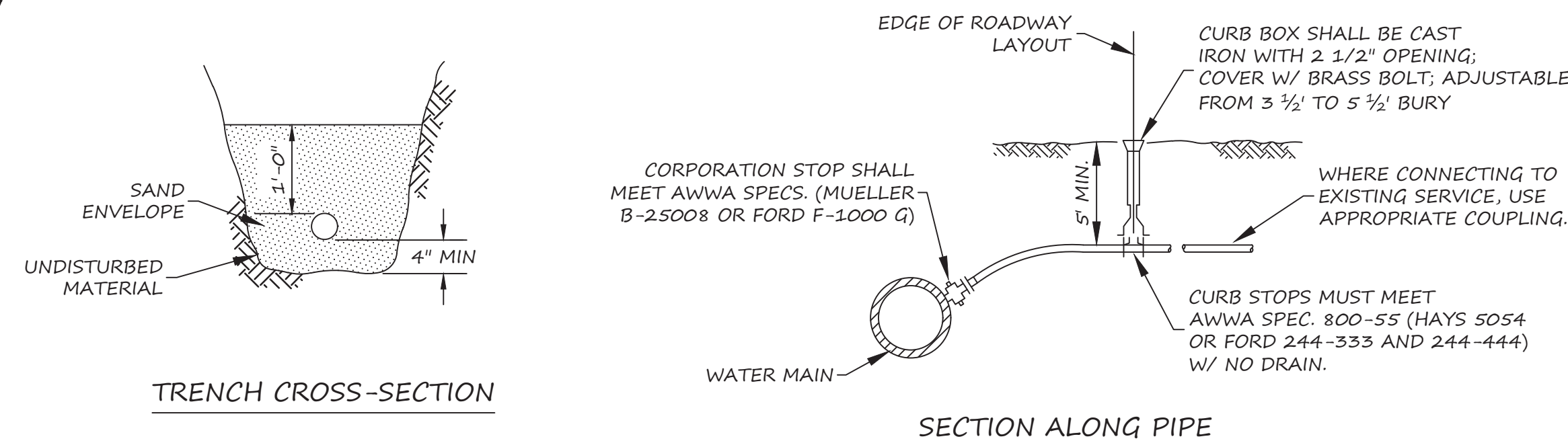
REVISIONS PER TOWN COMMENTS	DATE	BY
	2020/12/21	DJM

45 WASHINGTON STREET  
LIGHTING  
PLAN OF LAND  
IN  
HOLLISTON, MA

730 MAIN STREET  
SUITE 2C  
MILLIS, MA 02054  
508-376-8883(o)

C-6



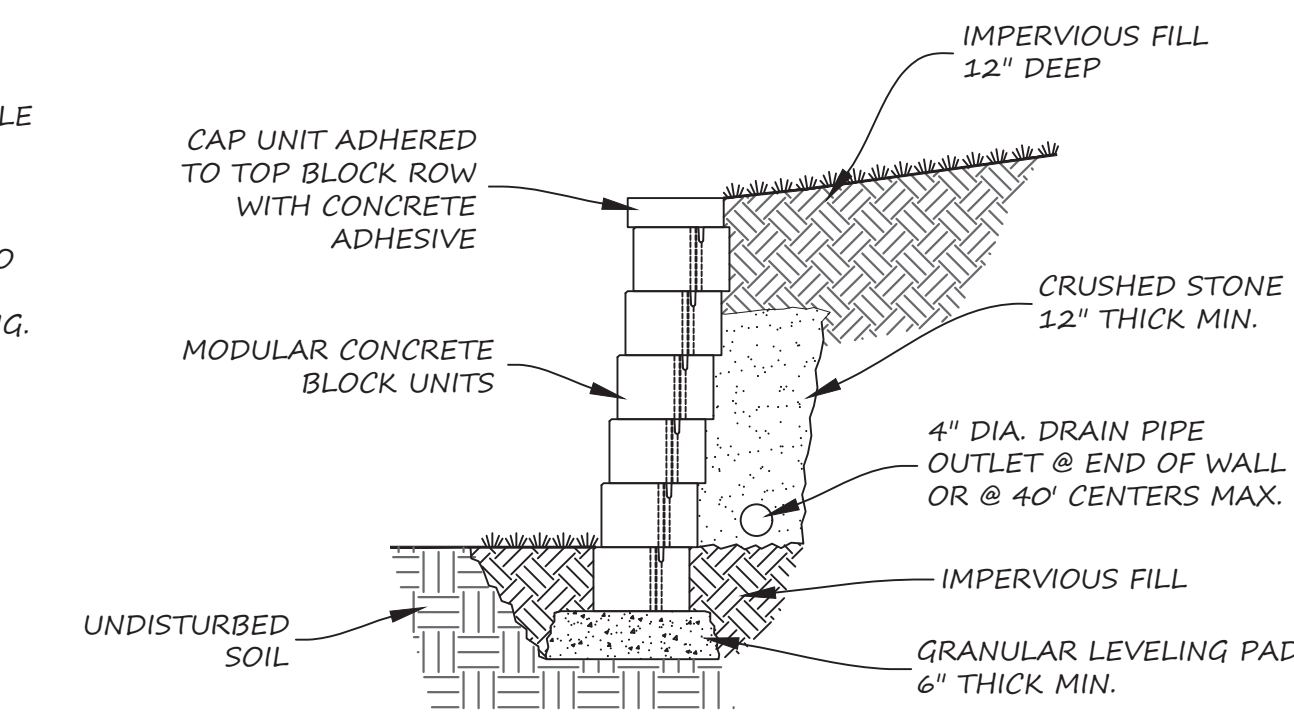


NOTES:

1. COPPER TUBING SHALL MEET AWWA SPEC. 76-CR TYPE K OR FEDERAL SPEC. WWT-799 TYPE K.
2. 1 1/2-INCH AND LARGER SERVICES SHALL BE INSTALLED WITH A SADDLE.

**TYPICAL WATER SERVICE CONNECTION**

NOT TO SCALE

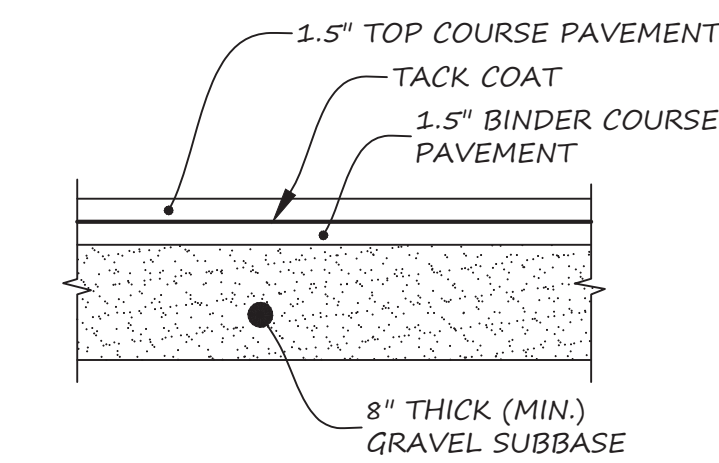


NOTES:

1. SMALL BLOCK UNITS SHALL BE THE SQUARE FOOT PRODUCT BY VERSA-LOK OR APPROVED EQUAL. WALL HEIGHT WITHOUT REINFORCEMENT SHALL BE LIMITED TO 3.5' EXPOSED FACE.
2. WALL HEIGHTS OVER FOUR FEET, INCLUDING FOOTING, MAY REQUIRE A BUILDING PERMIT AND/OR STRUCTURAL DESIGN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY BUILDING PERMITS AND FOR PROVIDING STRUCTURAL WALL DESIGN MEETING THE REQUIREMENTS OF THE MASSACHUSETTS BUILDING CODE, AS DEEMED APPLICABLE BY THE BUILDING INSPECTOR.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

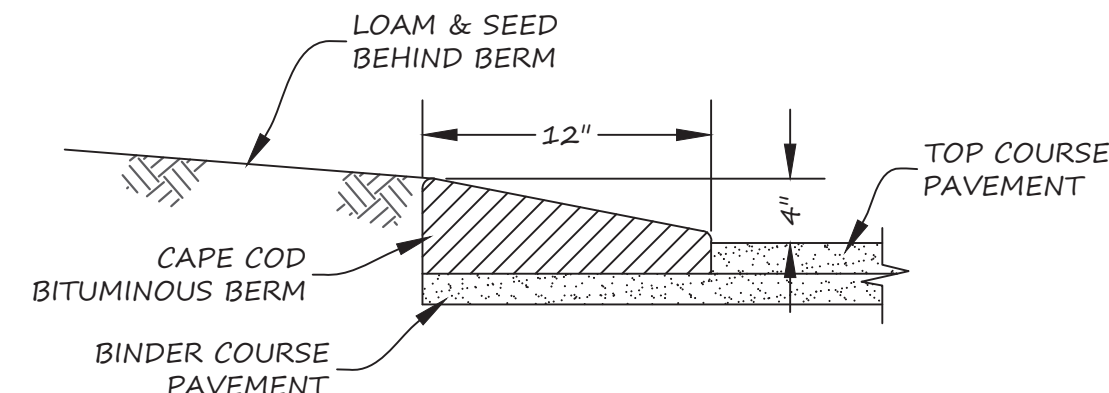
**TYPICAL "SMALL BLOCK" RETAINING WALL**

NOT TO SCALE



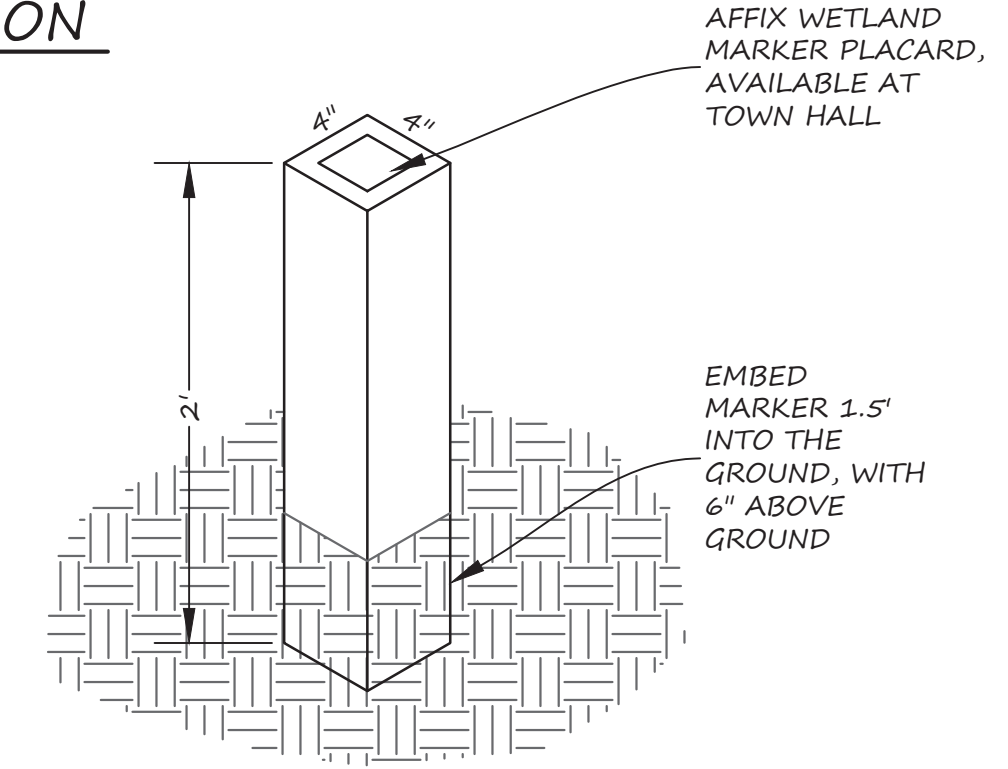
**TYPICAL PARKING LOT PAVING SECTION**

NOT TO SCALE



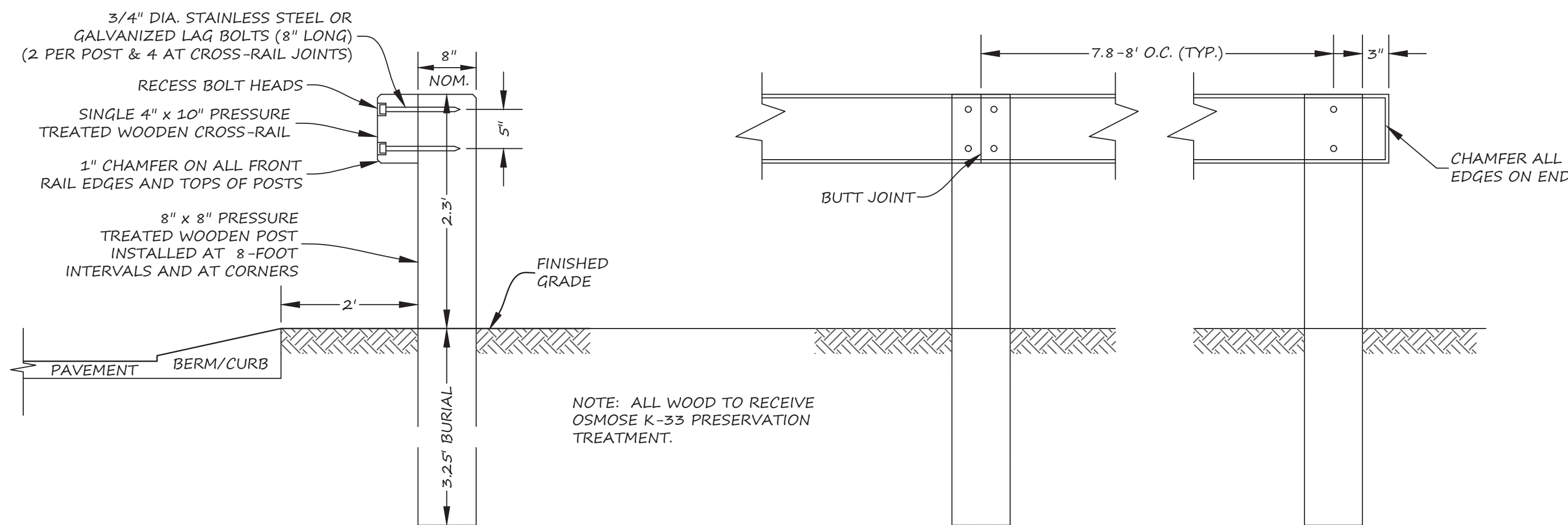
**CAPE COD BERM DETAIL**

(NO SCALE)



**CONCRETE WETLAND BUFFER MARKER**

NOT TO SCALE

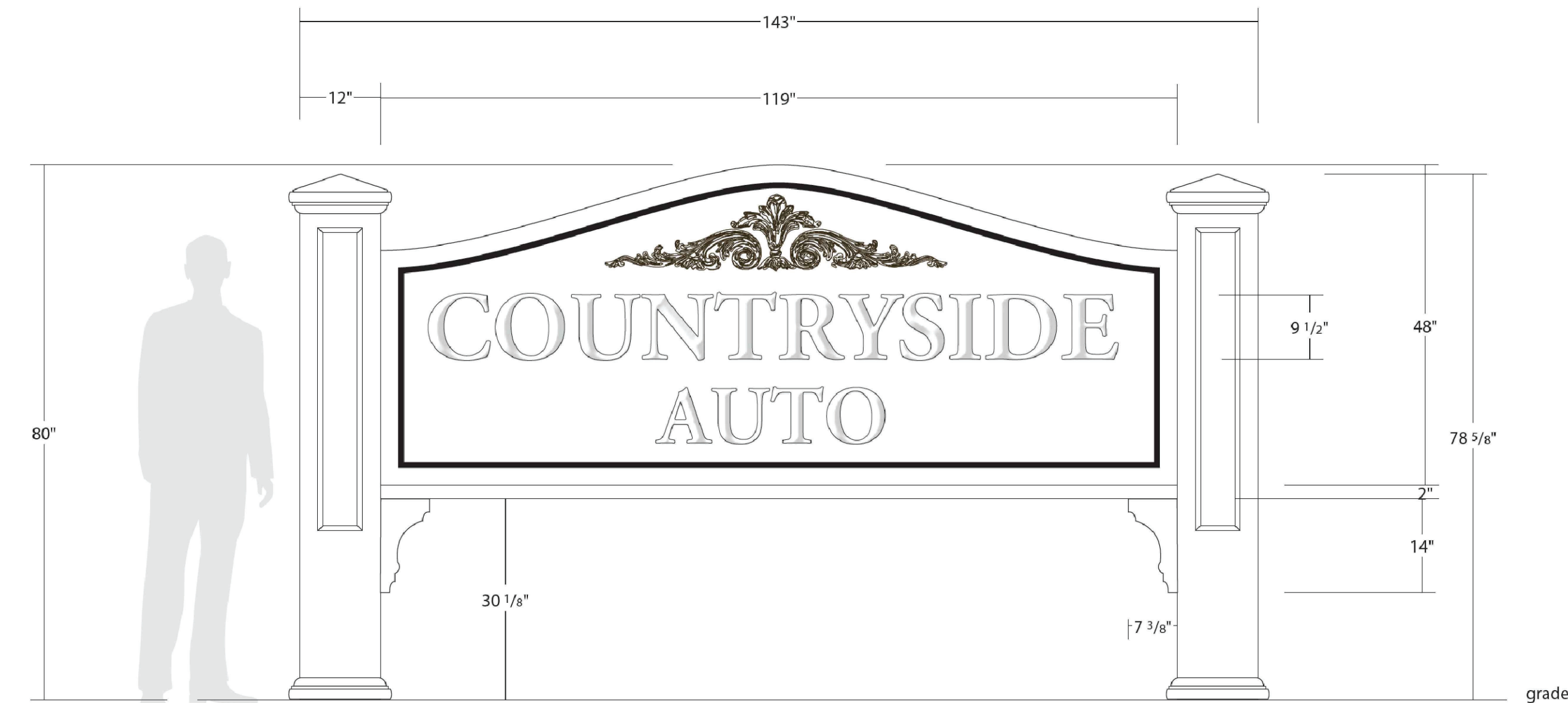


**SIDE SECTIONAL VIEW**

**FRONT VIEW & TYPICAL END SECTION**

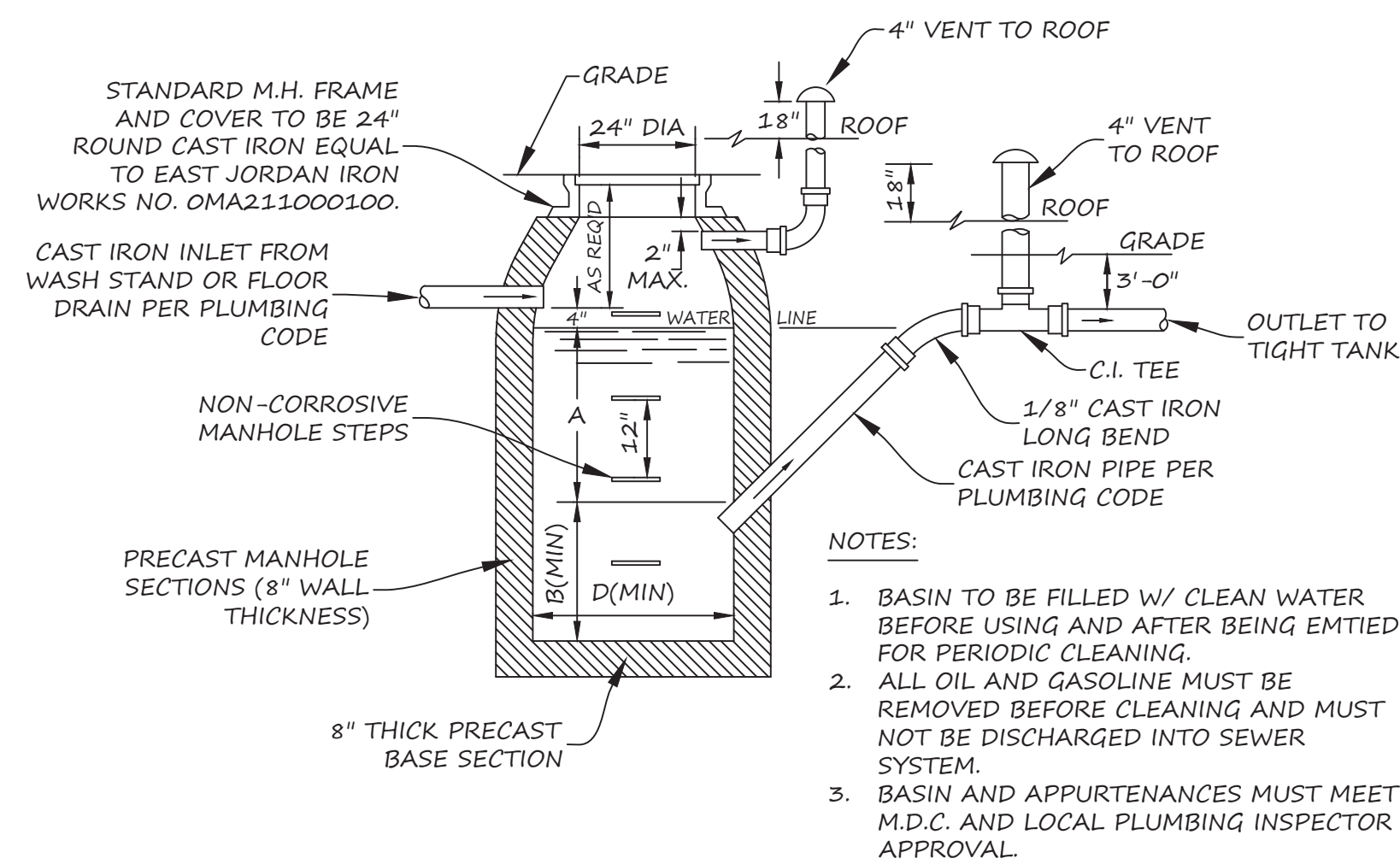
**WOOD GUARD RAIL DETAIL**

NOT TO SCALE



**STANDING SIGN DETAIL**

NOT TO SCALE



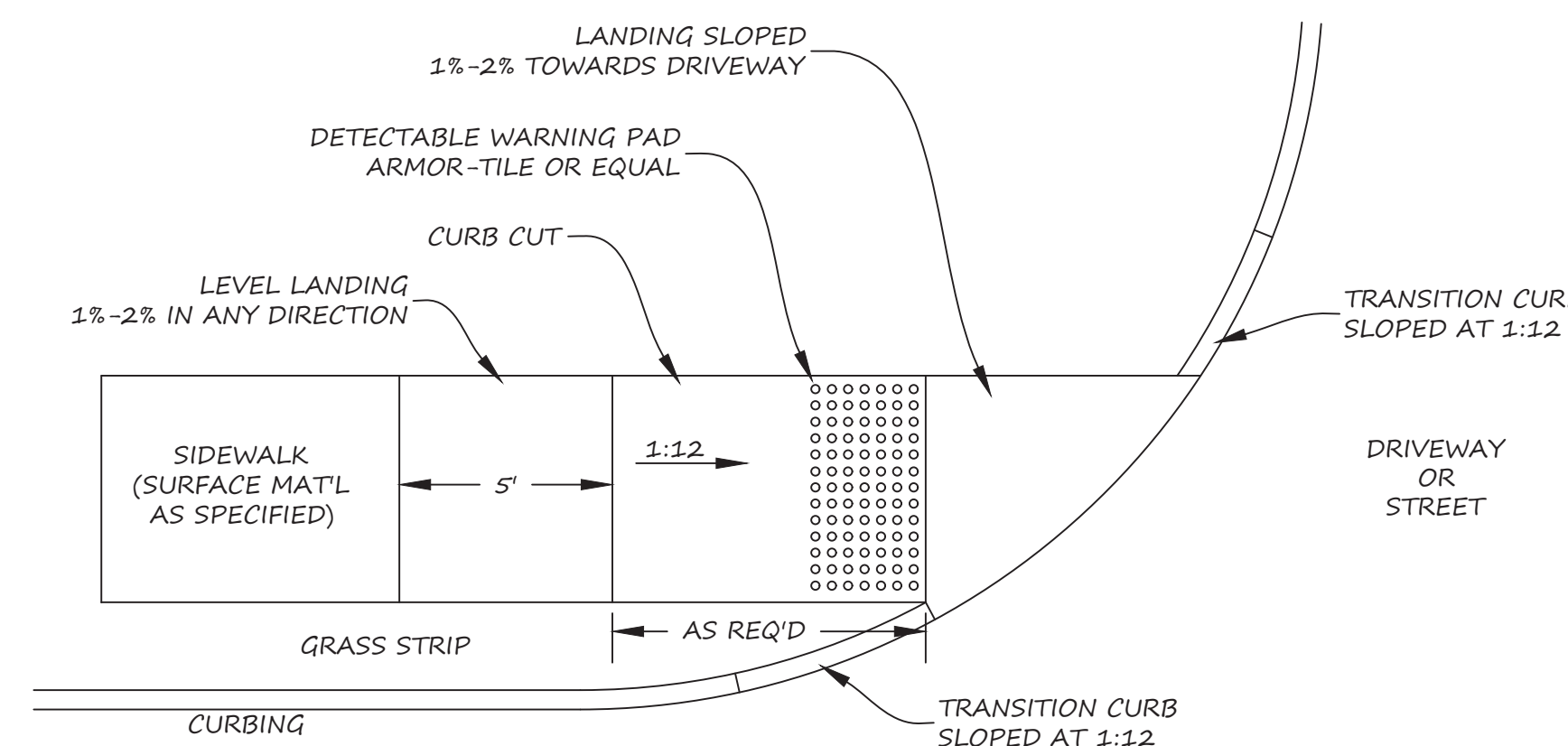
**STANDARD GAS/OIL SEPARATOR DETAILS**

NOT TO SCALE

INLET	D	A	B
4"	3'-6" DIA.	3'-0"	2'-6"
5"	3'-6" DIA.	5'-0"	4'-0"
	3'-6" x 3'-6"	4'-0"	3'-0"
	4'-0" DIA.	3'-6"	3'-0"
6"	4'-0" x 4'-0"	3'-0"	2'-6"
	4'-6" DIA.	3'-0"	2'-6"
	5'-0" DIA.	3'-0"	2'-6"
8"	5'-0" DIA.	6'-0"	5'-0"
	5'-6" x 5'-6"	4'-6"	4'-0"
	6'-0" DIA.	4'-0"	3'-6"
	6'-0" x 6'-0"	3'-0"	2'-6"
	6'-6" DIA.	3'-6"	3'-0"
	6'-6" x 6'-6"	3'-0"	2'-6"

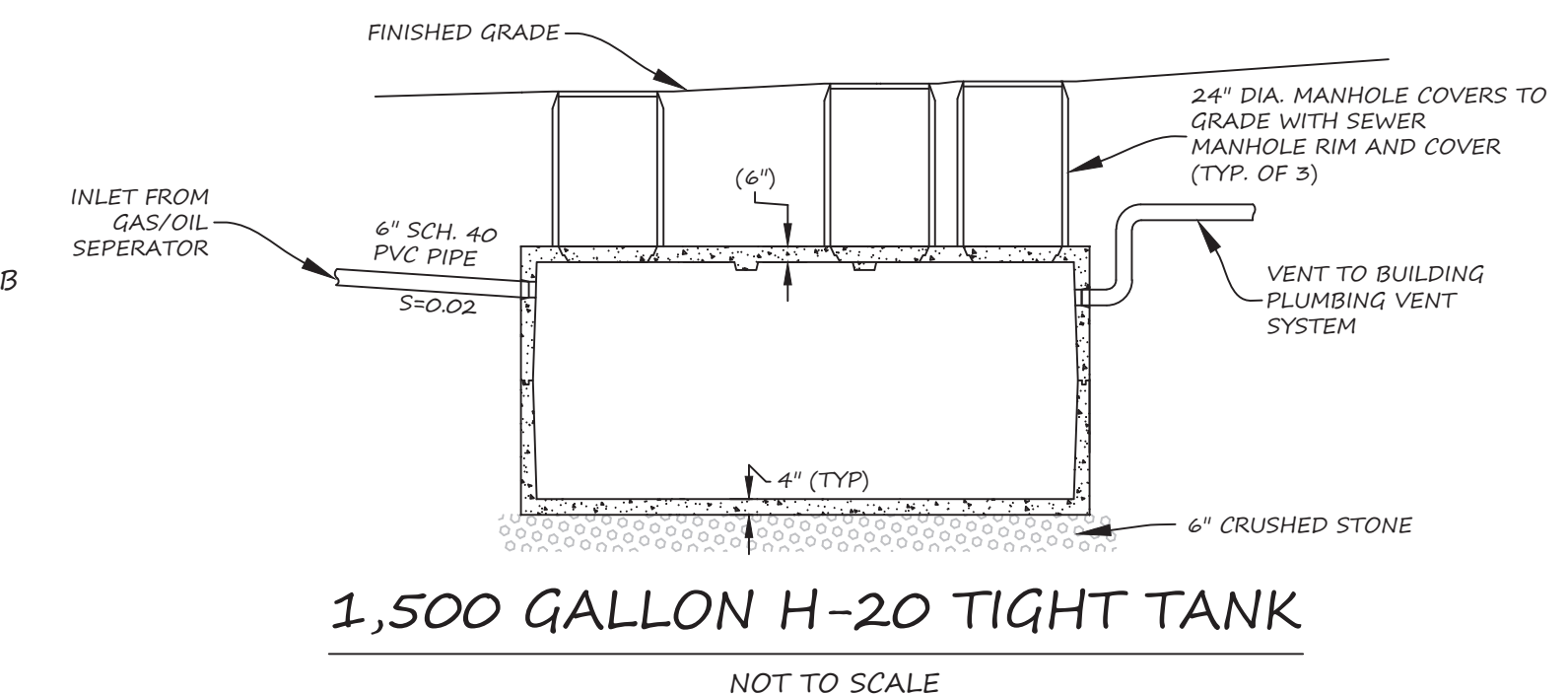
TABLE NOTES:

1. FOR INLETS LARGER THAN 8", THE DESIGN AND DIMENSION WILL BE DETERMINED FOR EACH PARTICULAR CASE.
2. CIRCULAR CATCH BASINS ARE RECOMMENDED.



**TYPICAL ACCESSIBLE CURB CUT DETAIL**

NOT TO SCALE



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**LEGACY**  
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45 WASHINGTON STREET  
HOLLISTON, MA 01746

ASSESSORS REFERENCE  
12-2-11

ZONING DISTRICTS  
INDUSTRIAL DISTRICT  
GROUNDWATER PROTECTION  
DISTRICT ZONE II  
FLOOD PLAIN DISTRICT (PORTION)

DEED REFERENCE  
BOOK 17309 PAGE 433



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Date: 2020.12.23 15:01:19 -05'00'

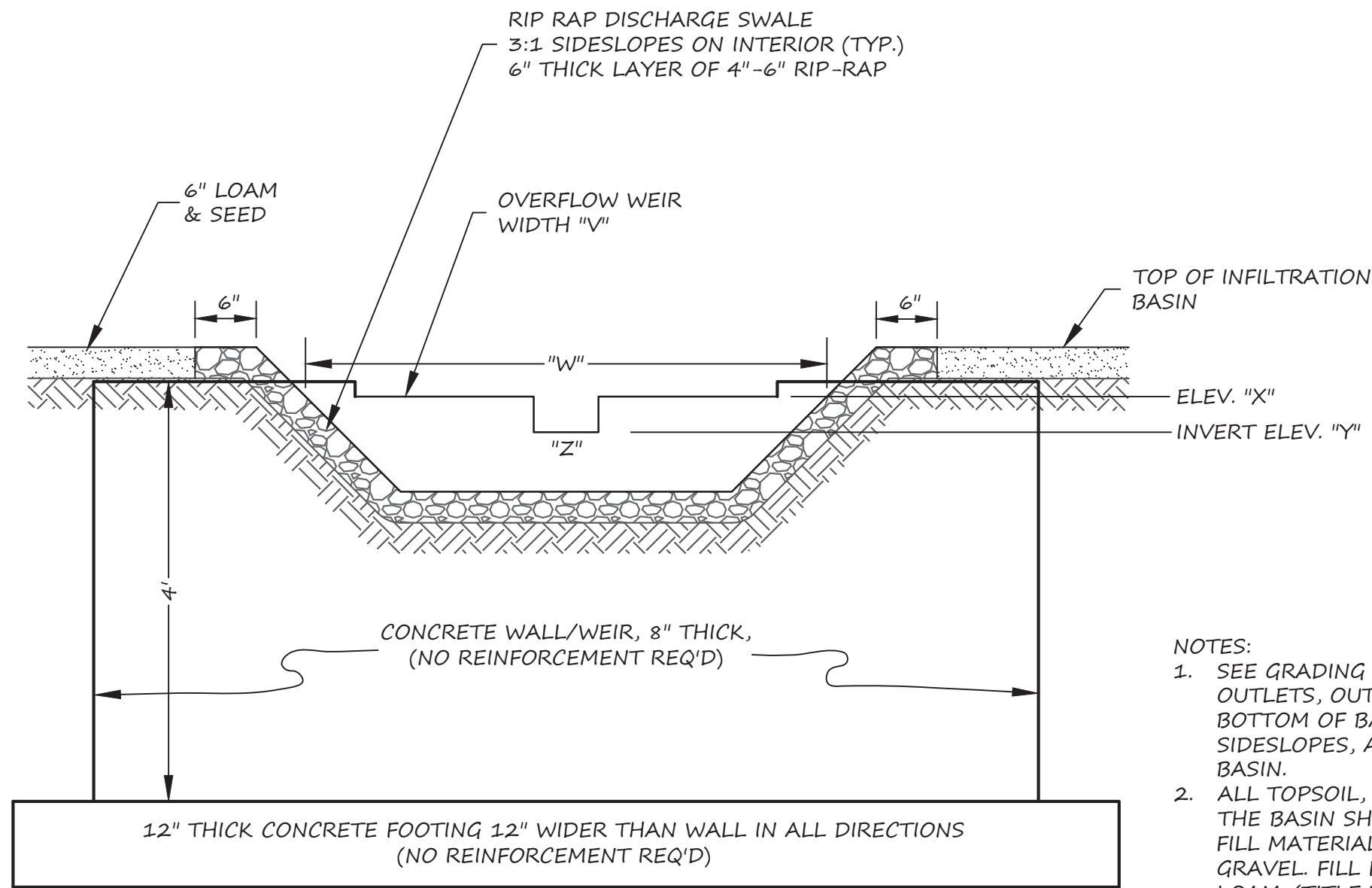


PLAN SCALE: 1" = 20'

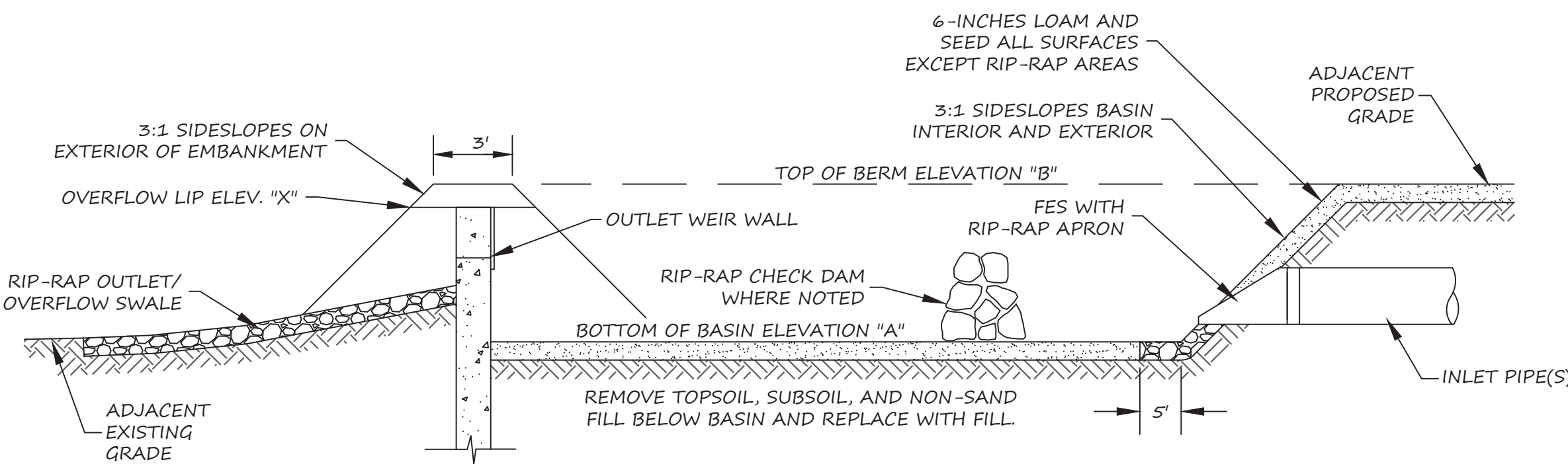
REVISION	DATE	BY
REVISIONS PER TOWN COMMENTS	2020/12/21	DJM

PLAN DATE: SEPTEMBER 8, 2020

45 WASHINGTON STREET  
GRADING & UTILITIES  
PLAN OF LAND  
IN  
HOLLISTON, MA



OUTLET WEIR AND RIP-RAP SWALE DETAIL



TYPICAL BASIN CROSS-SECTION

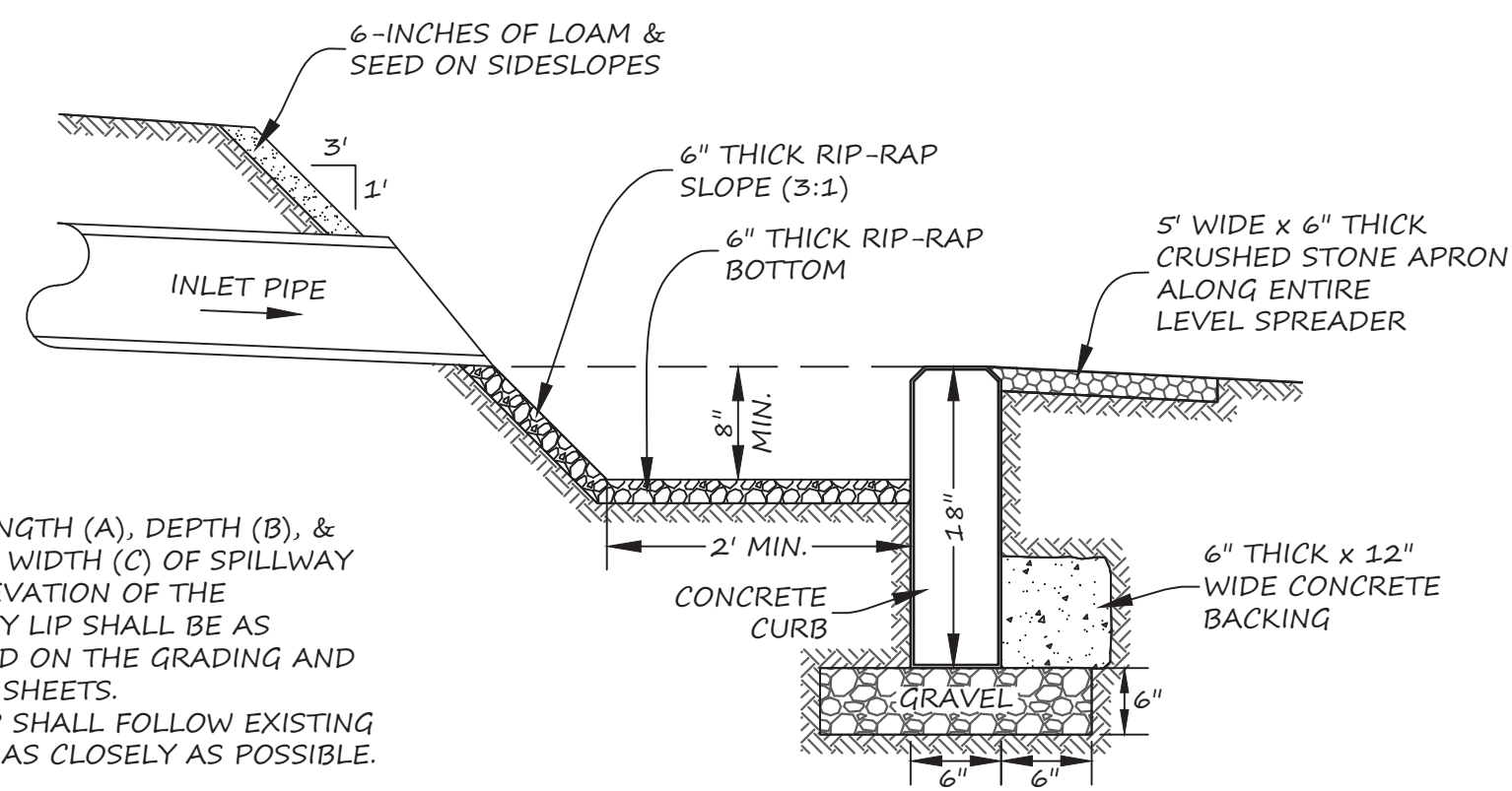
- NOTES:
- SEE GRADING SHEETS AND PROFILE SHEETS FOR SIZE OF INLETS AND OUTLETS, OUTLET STRUCTURE SPECIFICATIONS, ELEVATION OF BOTTOM OF BASIN, ELEVATION OF TOP OF BASIN, SLOPE OF SIDESLOPES, AND OTHER DIMENSIONAL REQUIREMENTS FOR EACH BASIN.
  - ALL TOPSOIL, SUBSOIL AND NON-SAND FILL BELOW THE BOTTOM OF THE BASIN SHALL BE REMOVED PRIOR TO BASIN CONSTRUCTION. FILL MATERIALS UNDER THE BASIN BOTTOM SHALL BE CLEAN GRAVEL. FILL FOR BERMS MAY BE SAND, LOAMY SAND OR SANDY LOAM. (TITLE V CLASSIFICATIONS).
  - BERM AREAS SHALL BE REMOVED OF ALL TOP AND SUB-SOIL AND OTHER UNSUITABLE SOILS. BERM CORE SHALL CONSIST OF ORDINARY BORROW INSTALLED IN 12-INCH LIFTS TO A MINIMUM 93% PROCTOR DENSITY.

SCHEDULE OF DIMENSIONS AND ELEVATIONS

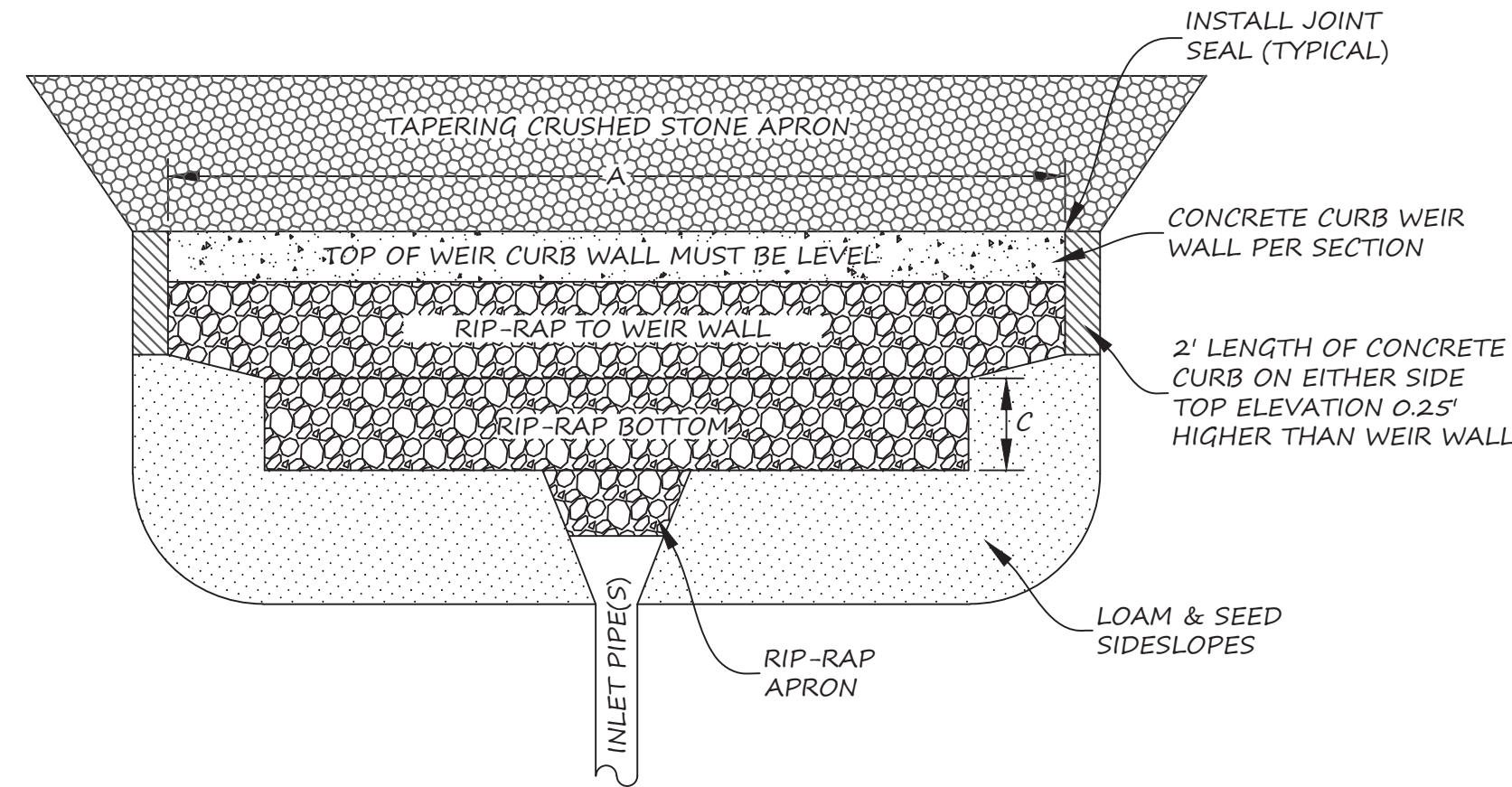
	BASIN #1	BASIN #2
BOTTOM OF BASIN ELEVATION "A"	164.3	164.0
TOP OF BERM ELEVATION "B"	165.3	166.0
OUTLET WEIR WALL LENGTH "W"	12'	14'
OVERFLOW WEIR WIDTH "V"	5'	5'
OVERFLOW ELEVATION "X"	165.30	165.20
DISCHARGE ORIFICE INVERT "Y"	164.91	164.50
DISCHARGE ORIFICE WIDTH "Z"	3'	2'
100-YEAR STORM WATER ELEV.	165.20	164.86

TYPICAL INFILTRATION BASIN CROSS-SECTION

NOT TO SCALE



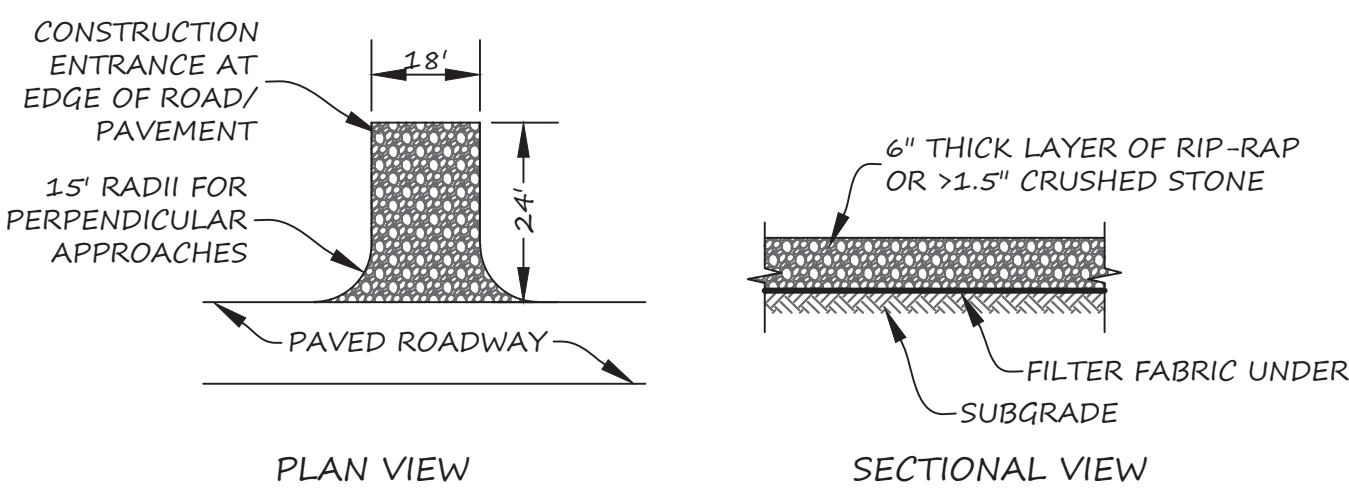
TYPICAL SECTIONAL VIEW



PLAN VIEW

LEVEL SPREADER DETAIL

NOT TO SCALE



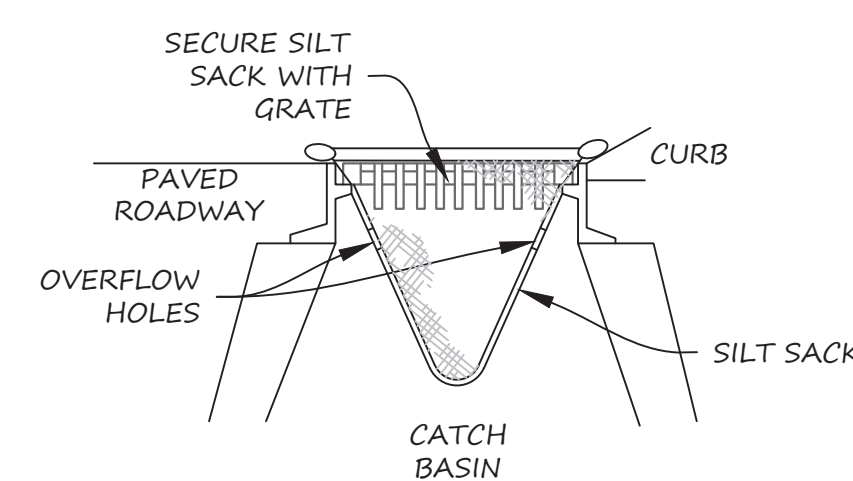
PLAN VIEW

SECTIONAL VIEW

- NOTES:
- ENTRANCE SHALL BE INSTALLED BEFORE ANY EXCAVATION WORK OCCURS ON-SITE.
  - ENTRANCE SHALL BE MAINTAINED IN GOOD CONTITION UNTIL A PAVED DRIVEWAY IS INSTALLED. REPLACE ENTRANCE IF FILLED WITH SOILS OR IF SOILS ARE BEING TRACKED ONTO ADJACENT ROADWAYS.
  - FILTER FABRIC TO BE MIRAFI 700X OR APPROVED EQUAL.

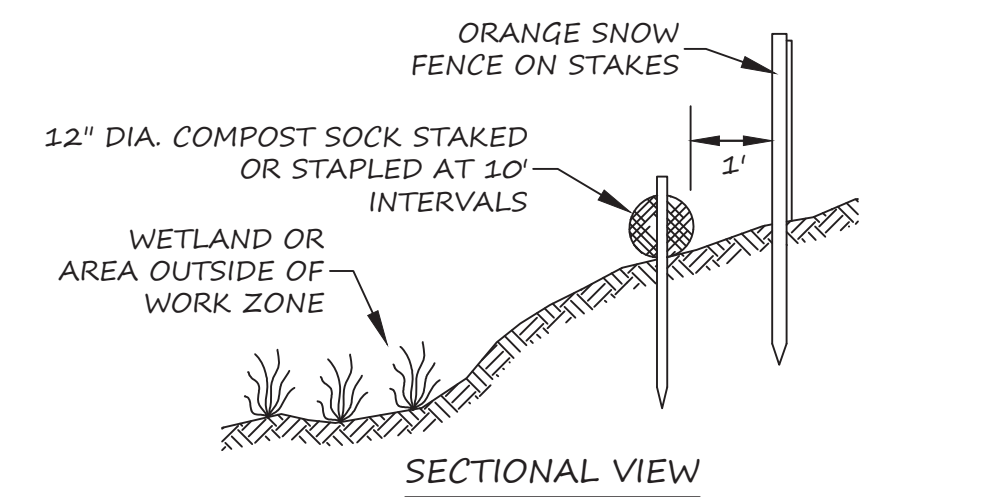
CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



CATCH BASIN SILT SACK DETAIL

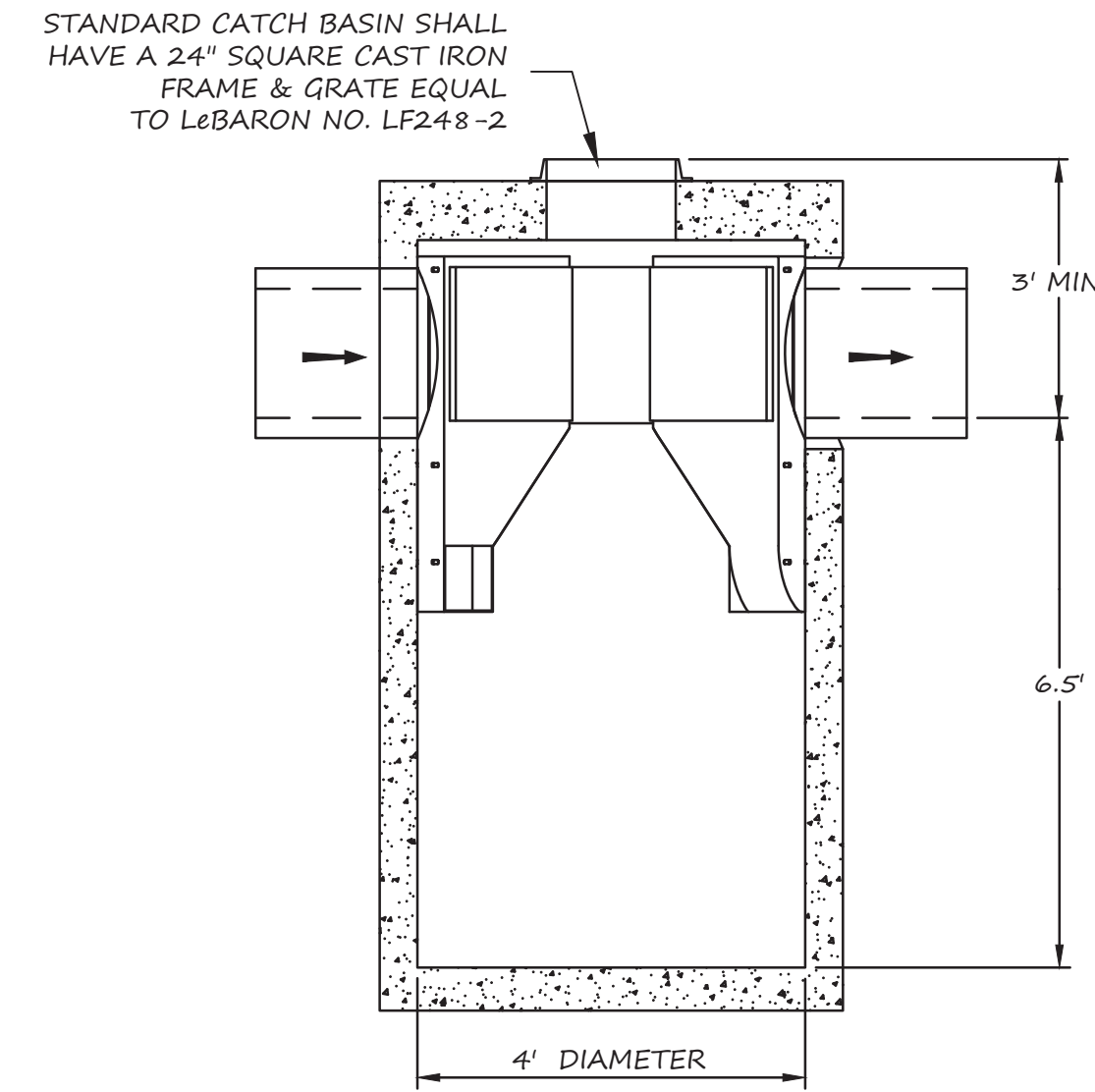
NOT TO SCALE



EROSION CONTROL (COMPOST SOCK)

NOT TO SCALE

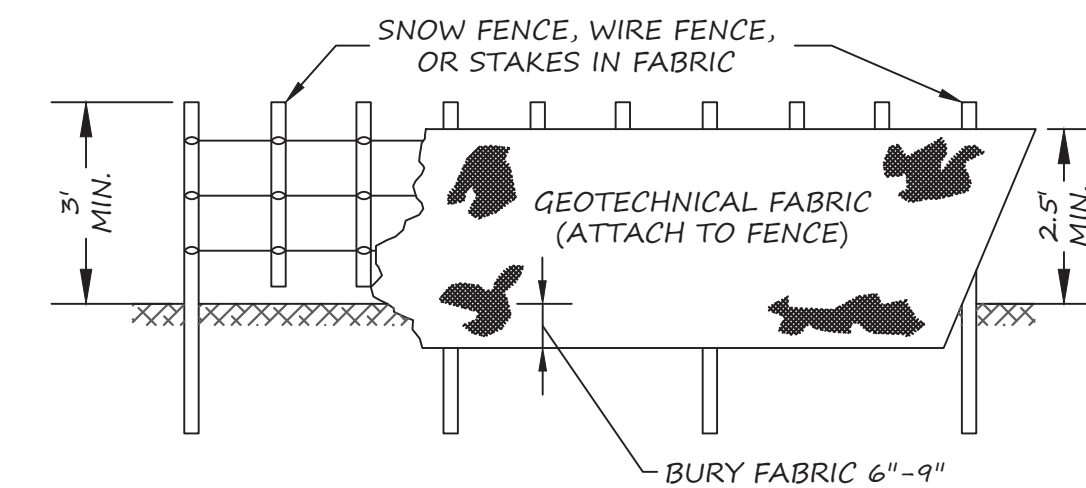
NOTE: NON-BIODEGRADABLE SOCK SHELL FILLED WITH COMPOST MEDIA. JOINTS SHALL BE OVERLAPPED BY AT LEAST TWO FEET.



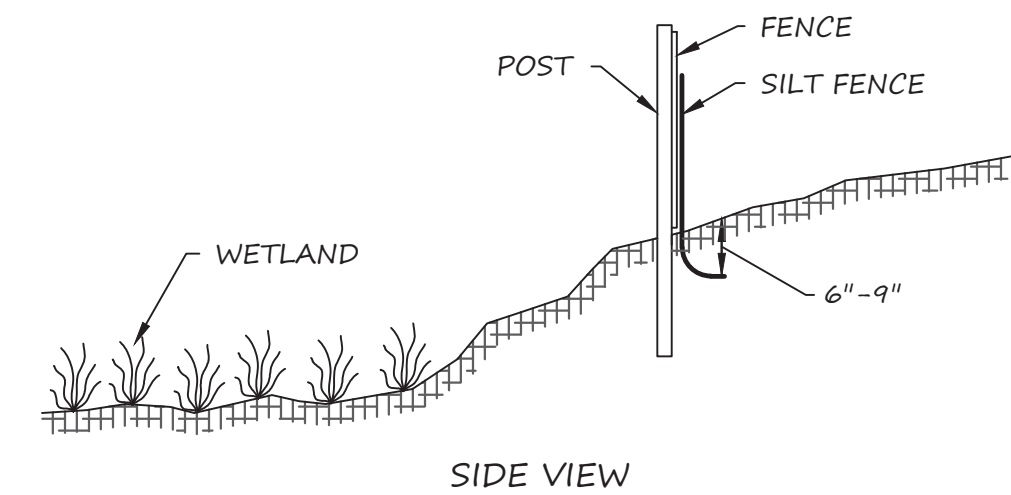
PROFILE VIEW

FIRST DEFENSE (4' DIA. MODEL)

NOT TO SCALE



FRONT VIEW



SIDE VIEW

SILT FENCE DETAIL

NOT TO SCALE

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BOOK 17309 PAGE 433



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PLAN SCALE: 1" = 20'

REVISIONS PER TOWN COMMENTS	DATE	BY
	2020/12/21	DJM

PLAN DATE: SEPTEMBER 8, 2020

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