

39 MAIN STREET SITE PLAN OF LAND

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

MEDWAY, MA
OCTOBER 11, 2018
Latest Revision: May 29, 2019

PREPARED FOR:
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

OWNER
NOTWEN REALTY TRUST
33 FRUIT STREET
NORFOLK, MA 02056

APPLICANT
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

MAP AND PARCEL
MAP 41
PARCELS 35 & 35-1

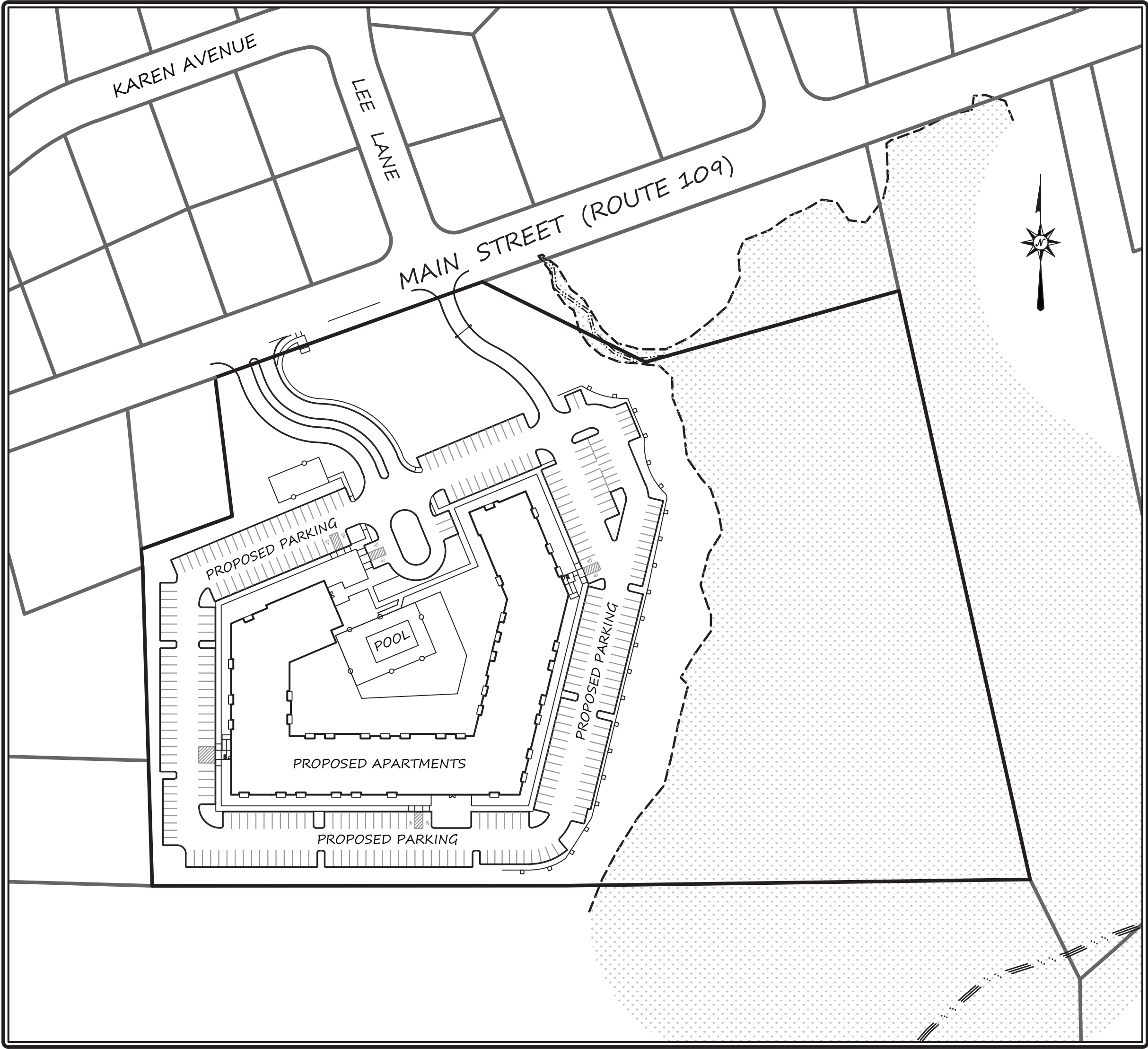
ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)



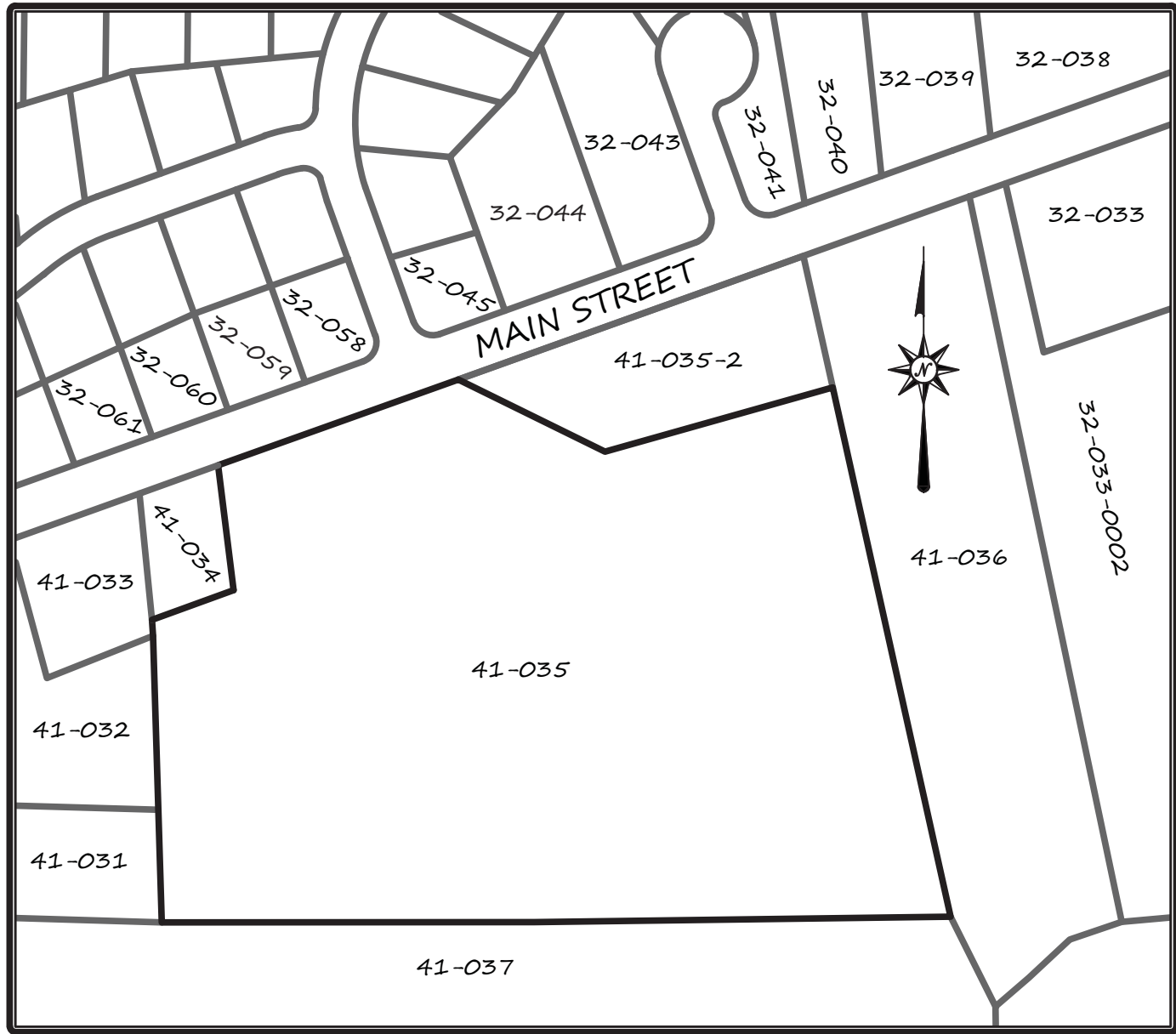
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Date: 2019.05.29 17:41:10 -04'00'



2013 MASSGIS AERIAL LOCUS
SCALE: 1" = 500'



LOCUS
SCALE: 1"=100'



MEDWAY ASSESSORS LOCUS
SCALE: 1" = 200'

PLAN INDEX

- C-1: COVER
- C-2: EXISTING CONDITIONS
- C-3: EROSION CONTROL
- C-4: LAYOUT SHEET
- C-5: SNOW STORAGE PLAN
- C-6: GRADING
- C-7: UTILITY SHEET 1
- C-8: UTILITY SHEET 2
- C-9: LIGHTING
- C-10: DETAILS
- C-11: DETAILS
- C-12: DETAILS

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

C-1

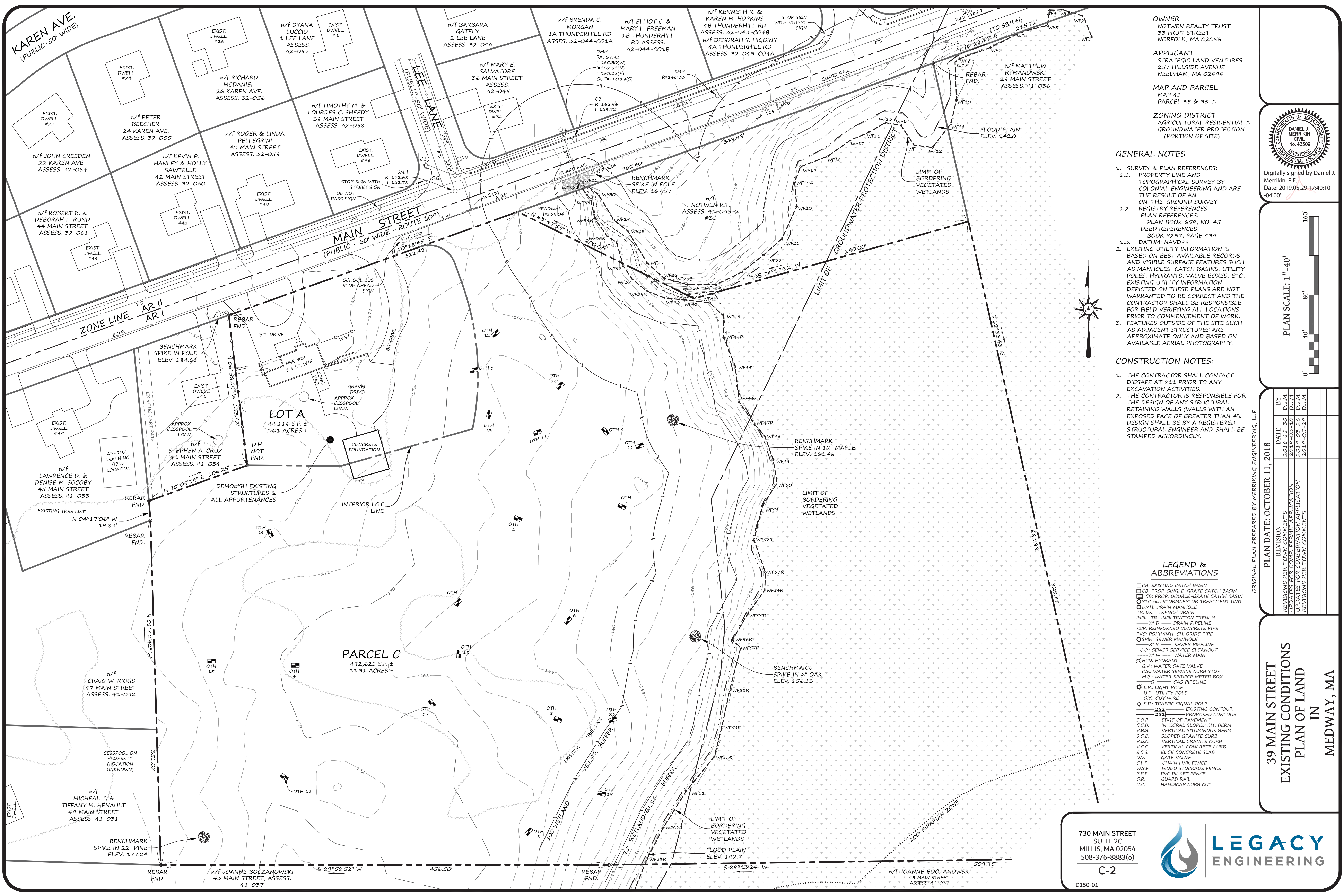


PLAN SCALE: AS NOTED



REVISION			DATE			BY		
NO.	DESCRIPTION	DATE	DATE	DATE	DATE	DATE	DATE	DATE
1	REVISIONS PER TOWN COMMENTS	2018-11-30	2018-11-30	2018-11-30	2018-11-30	D.J.M.	D.J.M.	D.J.M.
2	UPDATES FOR CONE PERMIT APPLICATION	2019-03-10	2019-03-10	2019-03-10	2019-03-10	D.J.M.	D.J.M.	D.J.M.
3	REVISIONS PER TOWN COMMENTS	2019-05-29	2019-05-29	2019-05-29	2019-05-29	D.J.M.	D.J.M.	D.J.M.

39 MAIN STREET
COVER SHEET
PLAN OF LAND
IN
MEDWAY, MA



OWNER
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33 FRUIT STREET
NORFOLK, MA 02056

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NEEDHAM, MA 02494

MAP AND PARCEL
MAP # 41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)

GENERAL NOTES

- SURVEY & PLAN REFERENCES:
 - PROPERTY LINE AND TOPOGRAPHICAL SURVEY BY COLONIAL ENGINEERING AND ARE THE RESULT OF AN ON-THE-GROUND SURVEY.
 - REGISTRY REFERENCES:
PLAN REFERENCES:
PLAN BOOK 659, NO. 45
DEED REFERENCES:
BOOK 9237, PAGE 439
 - DATUM: NAVD88
- EXISTING UTILITY INFORMATION IS BASED ON BEST AVAILABLE RECORDS AND VISIBLE SURFACE FEATURES SUCH AS MANHOLES, CATCH BASINS, UTILITY POLES, HYDRANTS, VALVE BOXES, ETC... EXISTING UTILITY INFORMATION DEPICTED ON THESE PLANS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.
- FEATURES OUTSIDE OF THE SITE SUCH AS ADJACENT STRUCTURES ARE APPROXIMATE ONLY AND BASED ON AVAILABLE AERIAL PHOTOGRAPHY.

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CONTACT DIGSAFE AT \$11 PRIOR TO ANY EXCAVATION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ANY STRUCTURAL RETAINING WALLS (WALLS WITH AN EXPOSED FACE OF GREATER THAN 4'). DESIGN SHALL BE BY A REGISTERED STRUCTURAL ENGINEER AND SHALL BE STAMPED ACCORDINGLY.

LEGEND & ABBREVIATIONS

- CB: EXISTING CATCH BASIN
- CB: PROP. SINGLE-GRATE CATCH BASIN
- CB: PROP. DOUBLE-GRATE CATCH BASIN
- STC: STORMCATCHER TREATMENT UNIT
- DMH: DRAIN MANHOLE
- TR: TRENCH DRAIN
- INFIL: INFILTRATION TRENCH
- X" D: DRAIN PIPELINE
- RCP: REINFORCED CONCRETE PIPE
- PVC: POLYVINYL CHLORIDE PIPE
- SMH: SEWER MANHOLE
- X" S: SEWER PIPELINE
- C.O.: SEWER SERVICE CLEANOUT
- X" W: WATER MAIN
- HYD: HYDRANT
- G.V.: WATER GATE VALVE
- C.S.: WATER SERVICE CURB STOP
- M.B.: WATER SERVICE METER BOX
- G: GAS PIPELINE
- LP: LIGHT POLE
- U.P.: UTILITY POLE
- G.W.: GUY WIRE
- S.P.: TRAFFIC SIGNAL POLE
- 252: EXISTING CONTOUR
- 252: PROPOSED CONTOUR
- E.O.P.: EDGE OF PAVEMENT
- C.B.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
- C.L.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

ORIGINAL PLAN PREPARED BY MERRICK ENGINEERING, LLP

PLAN DATE: OCTOBER 11, 2018

REVISION	DATE	BY
REVISIONS PER TOWN COMMENTS	2018-11-30	D.J.M.
UPDATES FOR COME PERMIT APPLICATION	2018-03-30	D.J.M.
REVISIONS PER TOWN COMMENTS	2018-03-29	D.J.M.
REVISIONS PER TOWN COMMENTS	2018-03-29	D.J.M.

39 MAIN STREET
EXISTING CONDITIONS
PLAN OF LAND
IN
MEDWAY, MA

730 MAIN STREET
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508-376-8883(o)



LEGACY
ENGINEERING

C-2

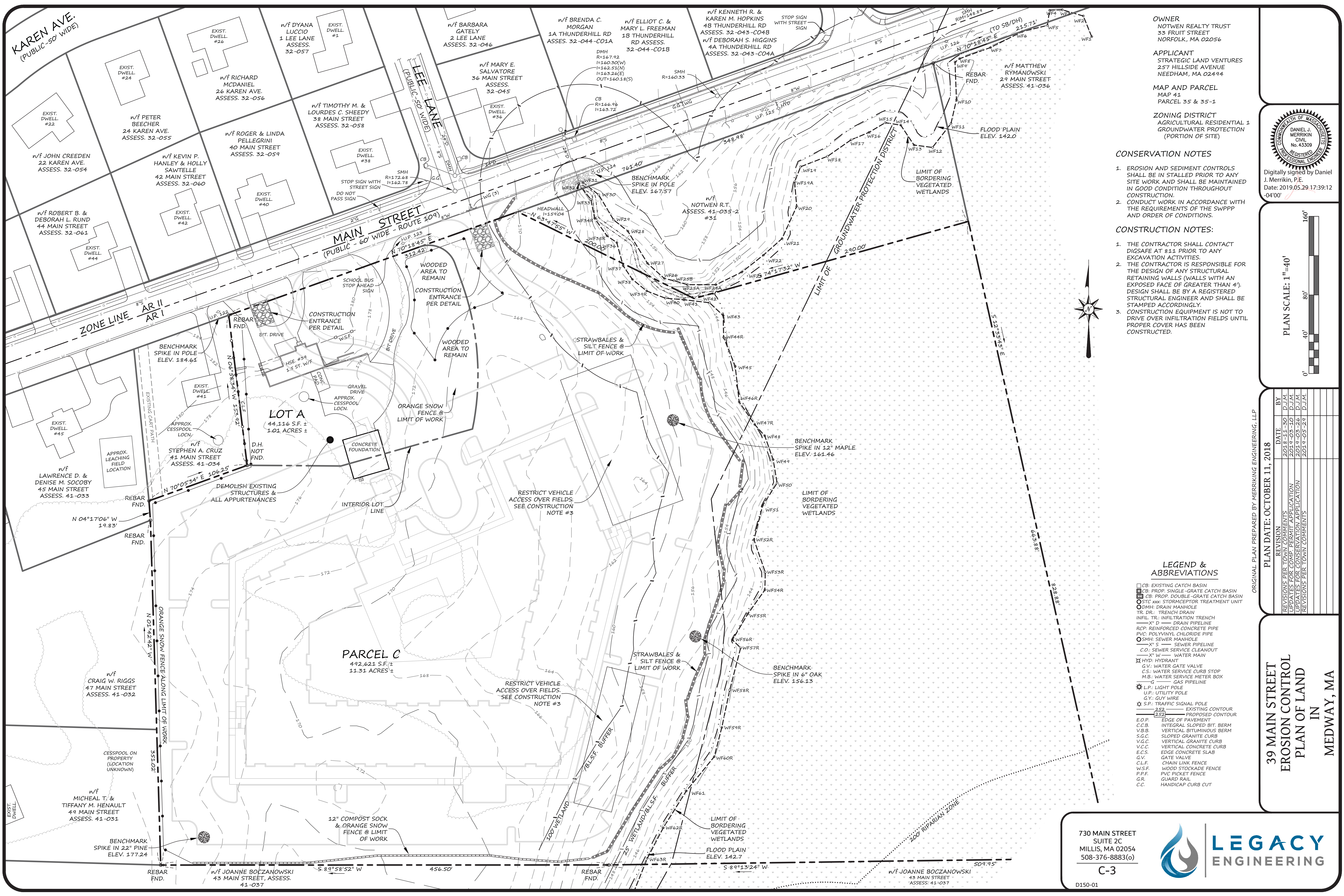
D150-01



Digitally signed by Daniel J. Merrick, P.E.
Date: 2019.05.29 17:40:10 -04'00'

PLAN SCALE: 1"=40'





OWNER
NOTWEN REALTY TRUST
33 FRUIT STREET
NORFOLK, MA 02056

APPLICANT
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

MAP AND PARCEL
MAP
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)

CONSERVATION NOTES

1. EROSION AND SEDIMENT CONTROLS SHALL BE IN STALLED PRIOR TO ANY SITE WORK AND SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT CONSTRUCTION.
2. CONDUCT WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE SWPPP AND ORDER OF CONDITIONS.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CONTACT DIGSAFE AT 811 PRIOR TO ANY EXCAVATION ACTIVITIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ANY STRUCTURAL RETAINING WALLS (WALLS WITH AN EXPOSED FACE OF GREATER THAN 4'). DESIGN SHALL BE BY A REGISTERED STRUCTURAL ENGINEER AND SHALL BE STAMPED ACCORDINGLY.
3. CONSTRUCTION EQUIPMENT IS NOT TO DRIVE OVER INFILTRATION FIELDS UNTIL PROPER COVER HAS BEEN CONSTRUCTED.

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- C.C.: HANDICAP CURB CUT

Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:39:12 -0400

PLAN SCALE: 1"=40'

0' 40' 80' 160'

ORIGINAL PLAN PREPARED BY MERRIKIN ENGINEERING, LLP

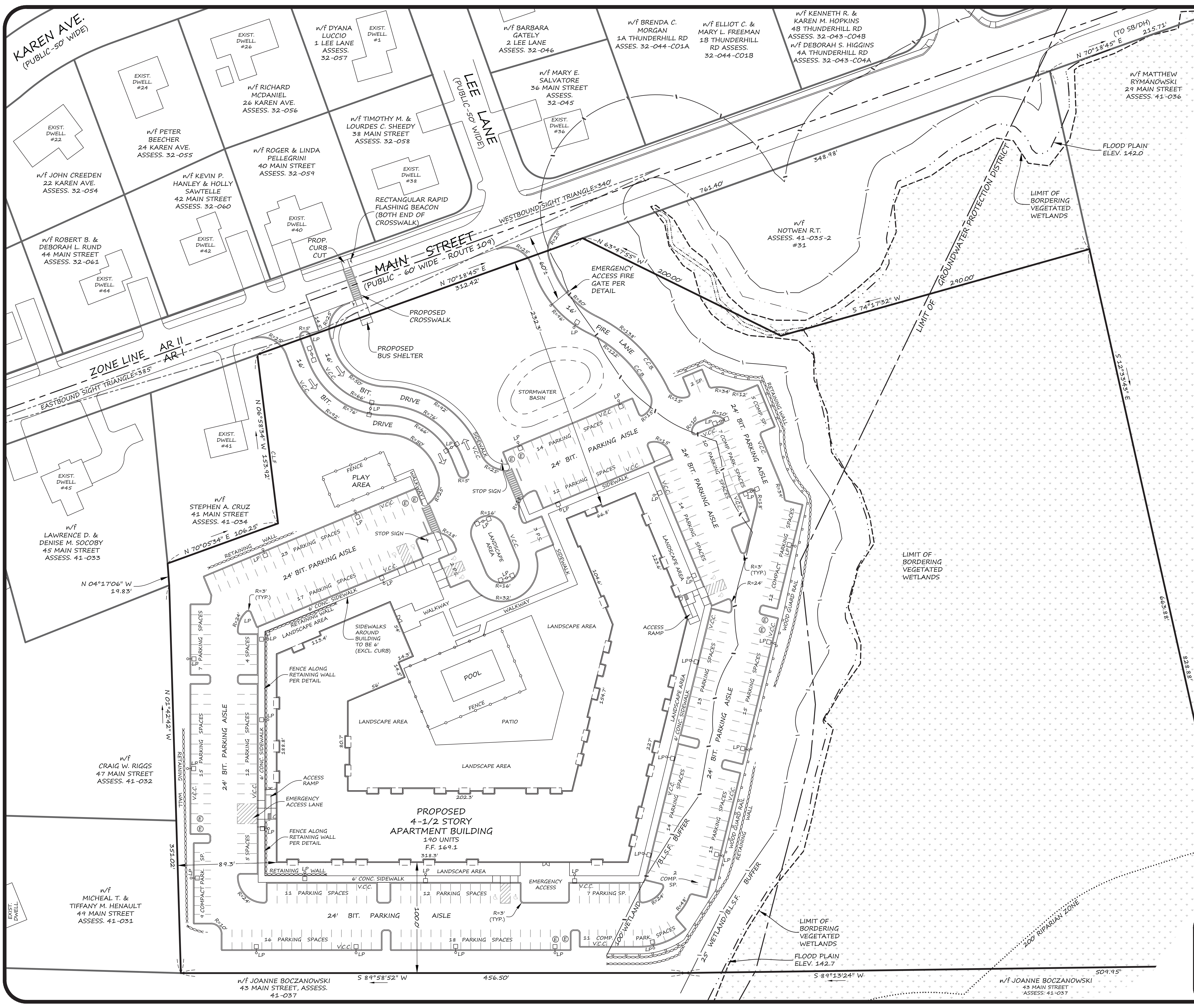
REVISION	DATE	BY
1	2018-11-30	D.J.M.
2	2019-03-10	D.J.M.
3	2019-03-26	D.J.M.

PLAN DATE: OCTOBER 11, 2018

39 MAIN STREET
EROSION CONTROL
PLAN OF LAND
IN
MEDWAY, MA

730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)
C-3
D150-01





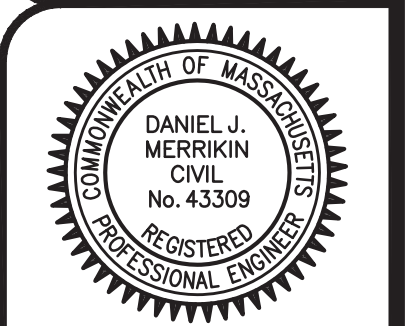
OWNER
NOTWEN REALTY TRUST
33 FRUIT STREET
NORFOLK, MA 02056

APPLICANT
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257 HILLSIDE AVENUE
NEEDHAM, MA 02494

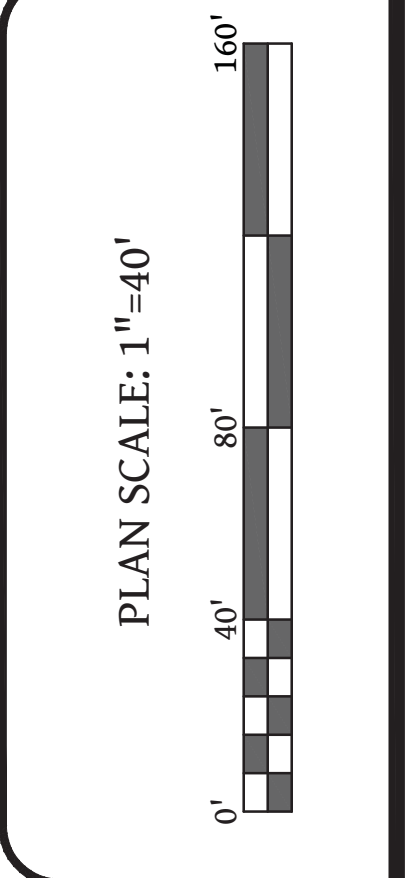
MAP AND PARCEL
MAP #41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION 1
(PORTION OF SITE)

- ZONING TABLE:**
- ZONE: AGRICULTURAL RESIDENTIAL 1
MIN. LOT AREA:
REQUIRED: 44,000 S.F.
PROVIDED: 536,737 S.F. (12.3 ACRES)
MIN. FRONTAGE:
REQUIRED: 180'
PROVIDED: 312.42'
MIN. FRONT SETBACK:
REQUIRED: 35'
PROVIDED: 232.3'
MIN. SIDE SETBACK:
REQUIRED: 15'
PROVIDED: 89.3'
MIN. REAR SETBACK:
REQUIRED: 15'
PROVIDED: 100.0'
MAX. HEIGHT:
REQUIRED: 35'
PROVIDED: ~60'
MAX. BLDG. COVERAGE:
REQUIRED: 25%
PROVIDED: 9.5%
MAX. IMPERVIOUS COVERAGE:
REQUIRED: 35%
PROVIDED: ~40%
PARKING:
REQUIRED: 1.5 SP/UNIT=285
PROVIDED: 304 SPACES
(INCL. 7 HANDICAPPED, 10 EV, AND 46 COMPACT SPACES)
- LAYOUT NOTES**
1. PARKING SPACES ARE 9' WIDE BY 18' DEEP EXCEPT FOR HANDICAP SPACES WHICH ARE AS NOTED ON THE DETAIL, AND COMPACT SPACES WHICH ARE 8' WIDE BY 15' DEEP.
 2. POTENTIAL ELECTRIC VEHICLE PARKING SPACES ARE INDICATED BY AN (E) SYMBOL.
- SIGHT DISTANCE REQUIREMENTS**
1. 385' EASTBOUND.
 2. 340' WESTBOUND.
 3. REFER TO TRAFFIC STUDY.



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Date: 2019.05.29 17:37:29 -04'00'



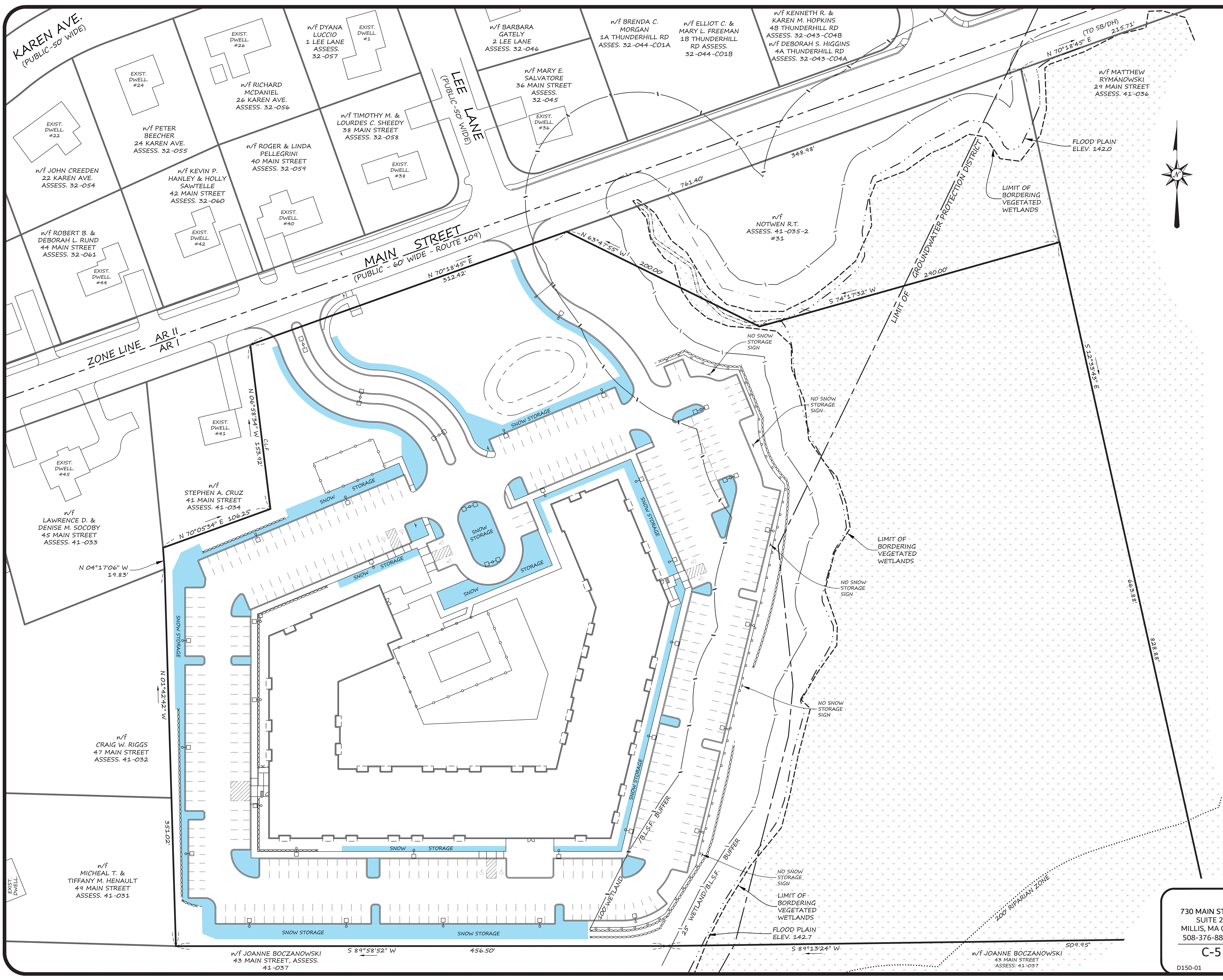
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39 MAIN STREET
LAYOUT
PLAN OF LAND
IN
MEDWAY, MA

730 MAIN STREET
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MILLIS, MA 02054
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C-4



D150-01



OWNER
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33 FRUIT STREET
NORFOLK, MA 02056

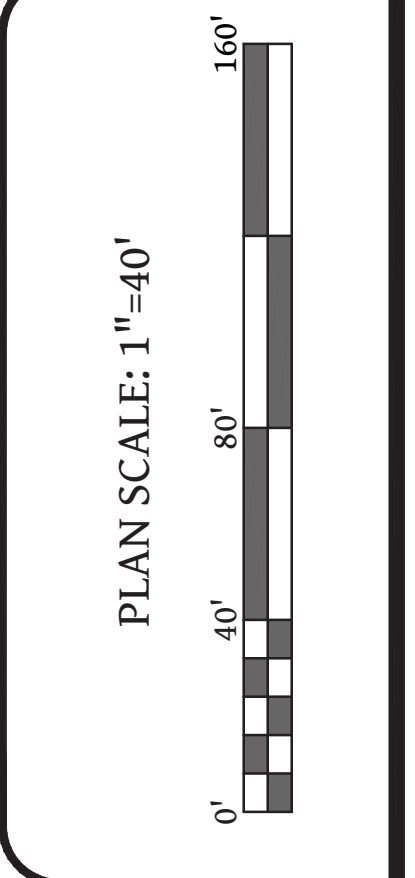
APPLICANT
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

MAP AND PARCEL
MAP 41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)

Seal of the Commonwealth of Massachusetts, State of Professional Engineers, Registered Professional Engineer, Daniel J. Merrikin, No. 43309.

Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:36:05 -04'00'



ORIGINAL PLAN PREPARED BY MERRIKIN ENGINEERING, LLP

REVISION	DATE	BY
REVISIONS PER TOWN COMMENTS	2018-11-30	D.J.M.
UPDATES FOR COME PERMIT APPLICATION	2019-03-10	D.J.M.
REVISIONS PER TOWN COMMENTS	2019-03-29	D.J.M.

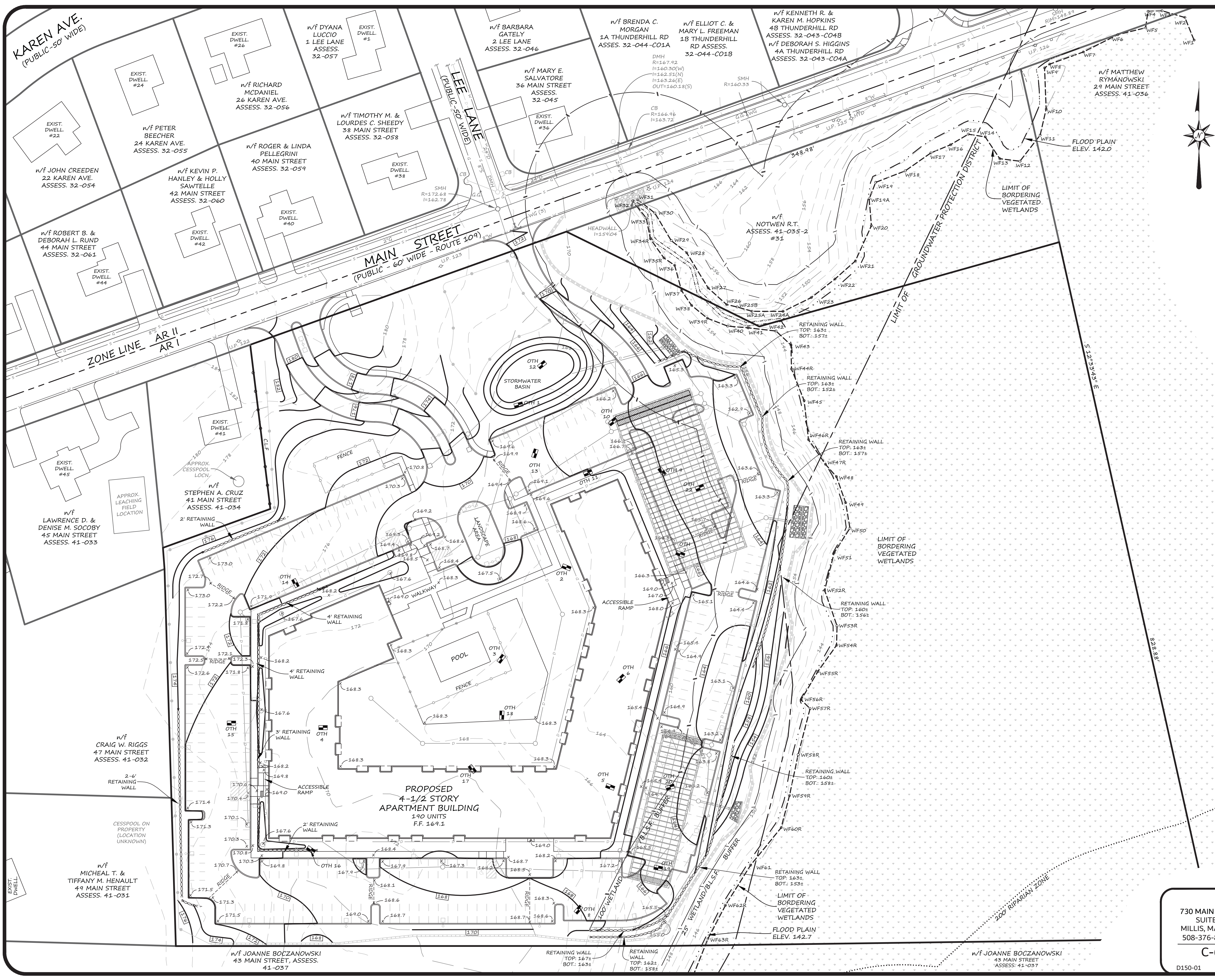
39 MAIN STREET
SNOW STORAGE
PLAN OF LAND
IN
MEDWAY, MA

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

C-5

D150-01

LEGACY ENGINEERING



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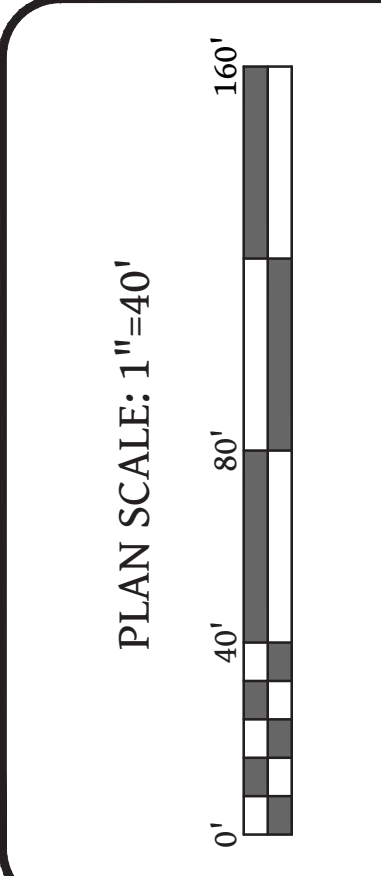
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MAP AND PARCEL
MAP 41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION (PORTION OF SITE)

DANIEL J. MERRIKIN
CIVIL
No. 43309
REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:34:44 -04'00'



REVISION	DATE	BY
REVISIONS PER TOWN COMMENTS	2018-11-30	D.J.M.
UPDATES FOR COME PERMIT APPLICATION	2019-03-10	D.J.M.
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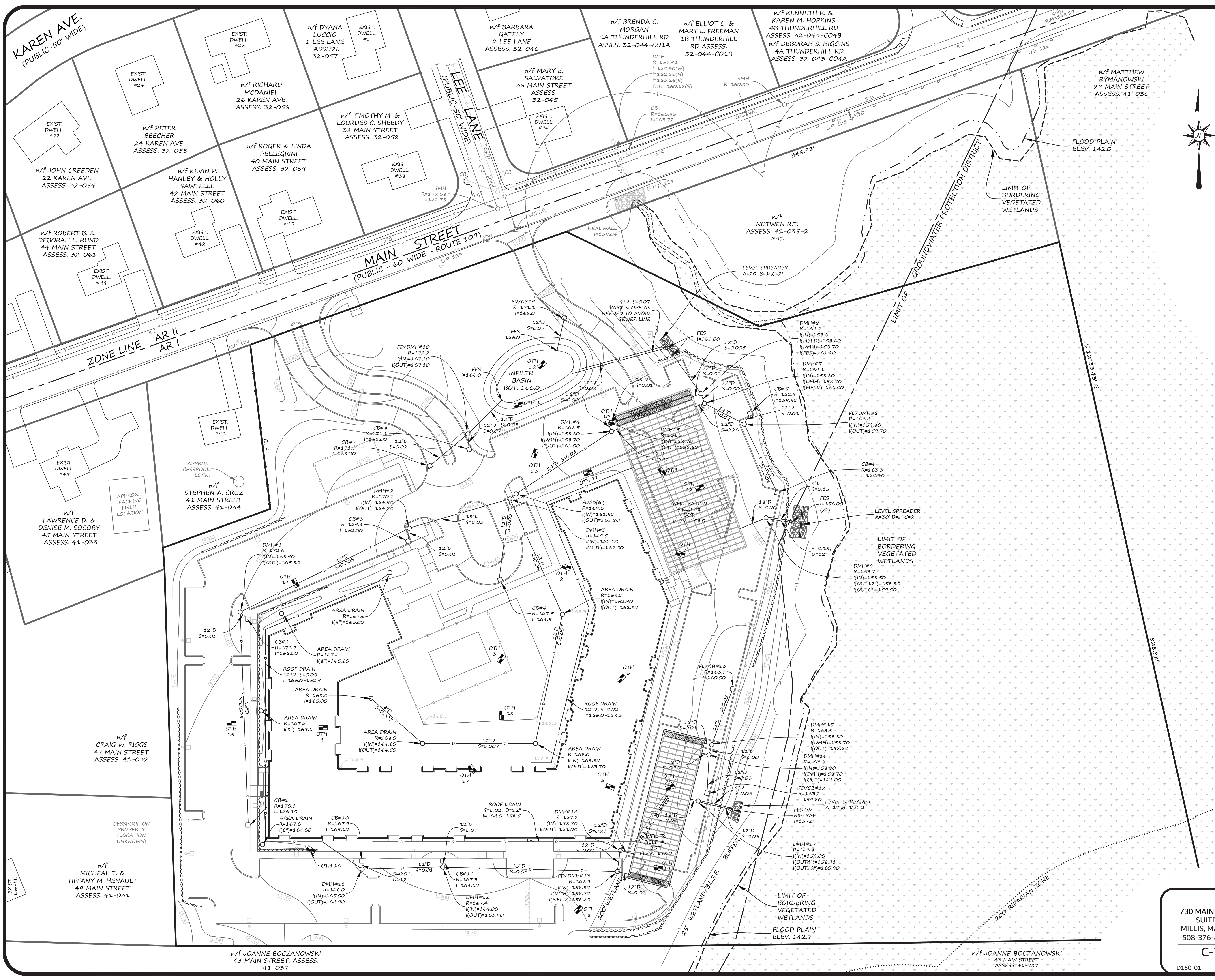
39 MAIN STREET
GRADING
PLAN OF LAND
IN
MEDWAY, MA

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

C-6

D150-01





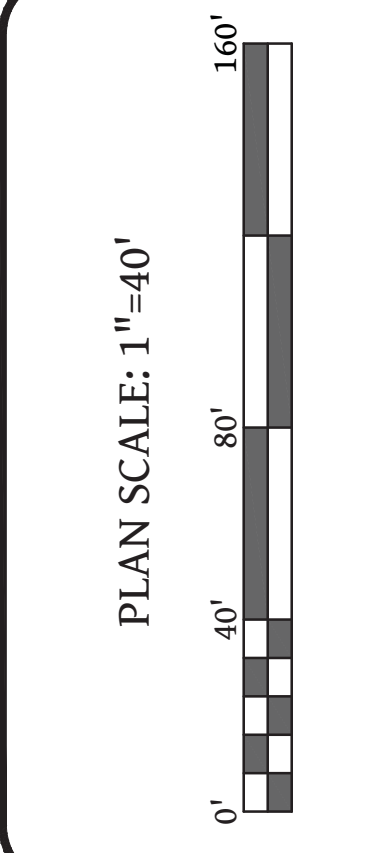
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MAP AND PARCEL
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PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)

Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:33:56 -04'00'



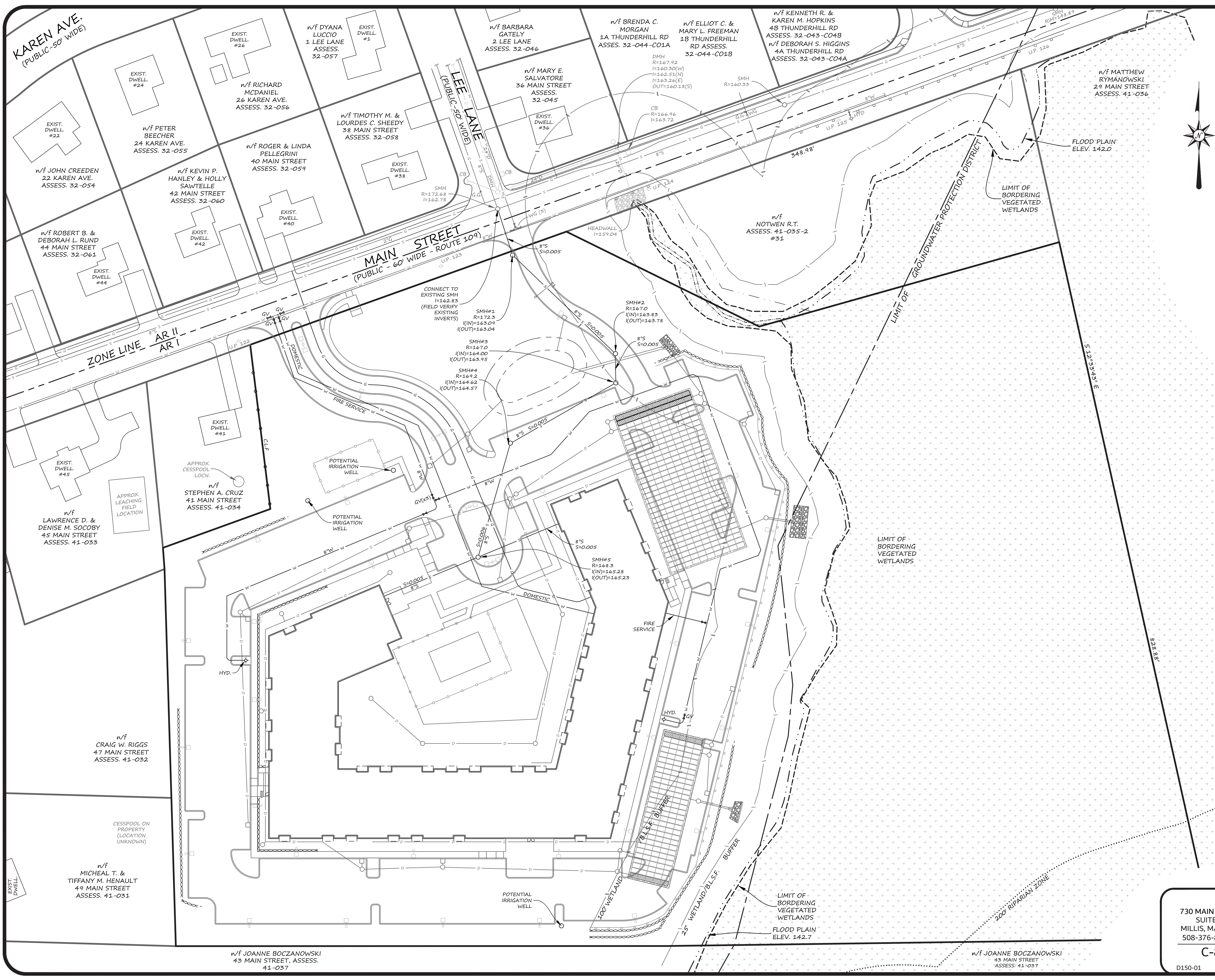
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39 MAIN STREET
UTILITIES
PLAN OF LAND
IN
MEDWAY, MA

- UTILITY NOTES:
1. THE SIZE AND MATERIAL OF THE DOMESTIC WATER SERVICE SHALL BE DETERMINED BY THE PROJECT ARCHITECT AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SEWER AND WATER DEPARTMENT. THE PROJECT ARCHITECT SHALL DETERMINE THE SIZE OF THE FIRE WATER SERVICE.
 2. WATER MAINS SHALL BE CLASS 52 CEMENT LINED DUCTILE IRON.
 3. SEWER SERVICE SHALL BE 8-INCH SDR35 PIPE. CLEANOUTS SHALL BE POSITIONED IN LANDSCAPE AREAS.
 4. DRAINAGE PIPING SHALL BE HDPE RATED FOR H2O LOADING. (ADS N12 OR EQUAL)
 5. 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.
 6. THE TWO LIGHT POLES ABOVE INFILTRATION FIELD #1 ARE TO BE INSTALLED CAREFULLY SO AS NOT TO DAMAGE THE FIELD.

730 MAIN STREET
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C-7
D150-01





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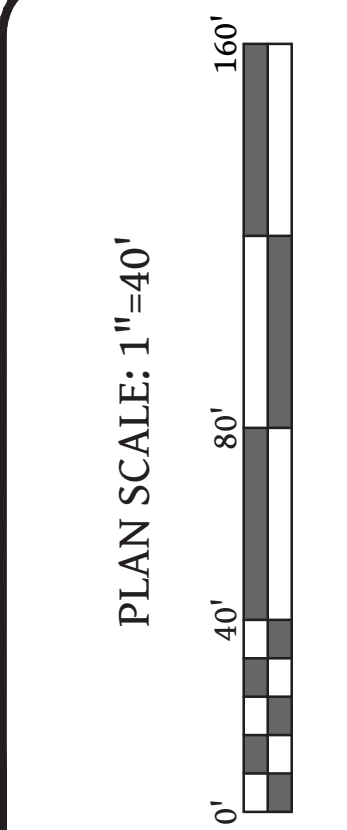
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Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:33:12 -04'00'



UTILITY NOTES:

1. THE SIZE AND MATERIAL OF THE DOMESTIC WATER SERVICE SHALL BE DETERMINED BY THE PROJECT ARCHITECT AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SEWER AND WATER DEPARTMENT. THE PROJECT ARCHITECT SHALL DETERMINE THE SIZE OF THE FIRE WATER SERVICE.
2. WATER MAINS SHALL BE CLASS 52 CEMENT LINED DUCTILE IRON.
3. LANDSCAPE IRRIGATION USING MUNICIPAL WATER IS NOT PERMITTED. IRRIGATION WELLS SHALL BE PROVIDED TO THE EXTENT NECESSARY. THE IRRIGATION SYSTEM MUST BE COMPLETELY SEPARATE FROM BUILDING WATER SUPPLY SYSTEMS.
4. SEWER SERVICE SHALL BE 8-INCH SDR35 PIPE. CLEANOUTS SHALL BE POSITIONED IN LANDSCAPE AREAS.
5. DRAINAGE PIPING SHALL BE HDPE RATED FOR H2O LOADING. (ADS N12 OR EQUAL)
6. 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.

ORIGINAL PLAN PREPARED BY MERRIKIN ENGINEERING, LLP

REVISION		DATE	BY
REVISED PER TOWN COMMENTS		2018-11-30	D.J.M.
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PLAN OF LAND
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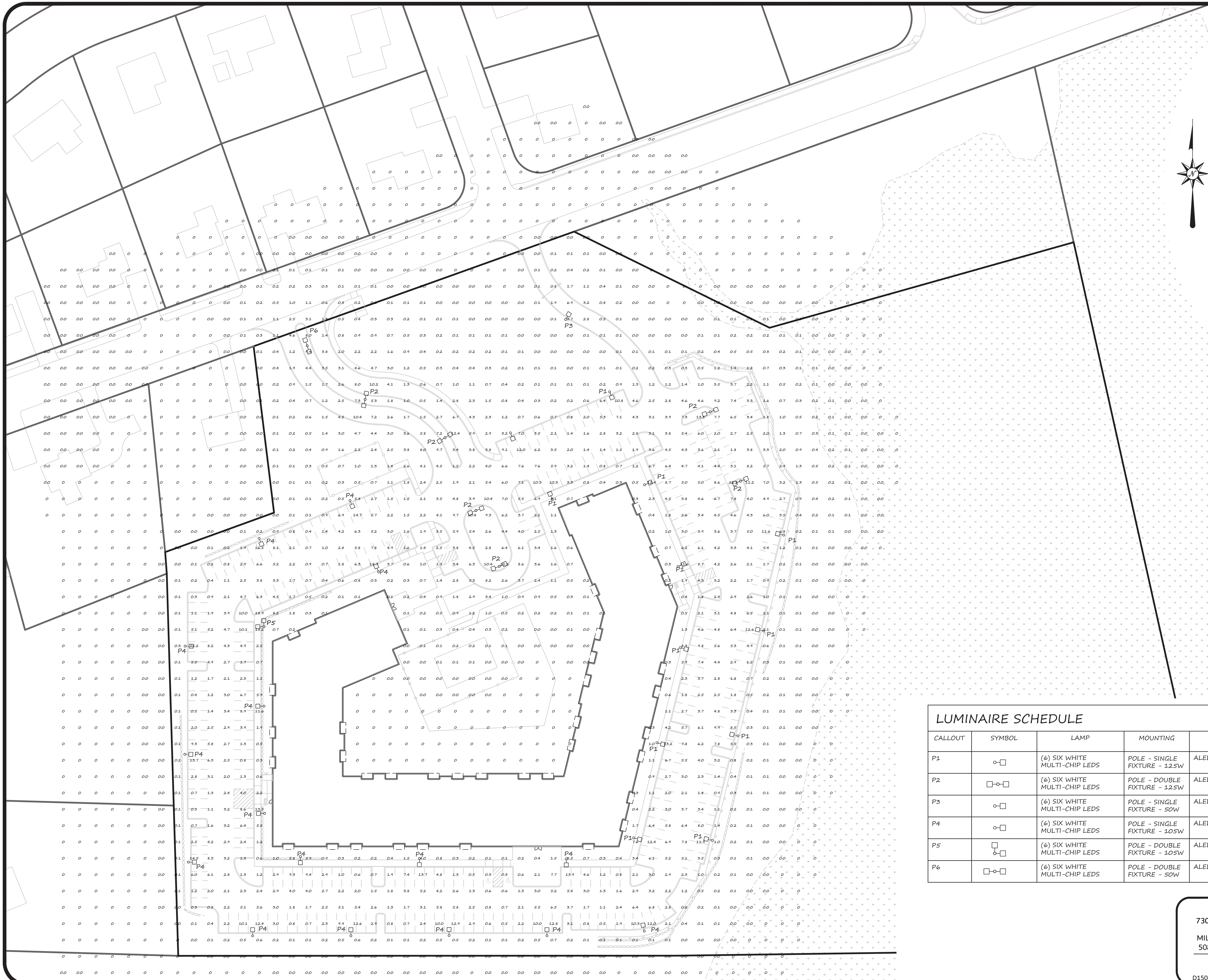
730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)
C-8



D150-01

w/f JOANNE BOCZANOWSKI
43 MAIN STREET, ASSESS.
41-037

w/f JOANNE BOCZANOWSKI
43 MAIN STREET
ASSESS. 41-037



OWNER
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Date: 2019.05.29 17:32:32 -04'00'



PLAN SCALE: 1"=40'

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ORIGINAL PLAN PREPARED BY MERRIKIN ENGINEERING, LLP

PLAN DATE: OCTOBER 11, 2018

LUMINAIRE SCHEDULE						
CALLOUT	SYMBOL	LAMP	MOUNTING	MODEL	QUANTITY	MOUNTING HEIGHT
P1		(6) SIX WHITE MULTI-CHIP LEDS	POLE - SINGLE FIXTURE - 125W	ALED4T125Y (TYPE IV)	12	20'
P2		(6) SIX WHITE MULTI-CHIP LEDS	POLE - DOUBLE FIXTURE - 125W	ALED4T125Y (TYPE IV)	6	20'
P3		(6) SIX WHITE MULTI-CHIP LEDS	POLE - SINGLE FIXTURE - 50W	ALED4T50Y (TYPE IV)	1	12'
P4		(6) SIX WHITE MULTI-CHIP LEDS	POLE - SINGLE FIXTURE - 105W	ALED4T105Y (TYPE IV)	16	15'
P5		(6) SIX WHITE MULTI-CHIP LEDS	POLE - DOUBLE FIXTURE - 105W	ALED4T105Y (TYPE IV)	1	15'
P6		(6) SIX WHITE MULTI-CHIP LEDS	POLE - DOUBLE FIXTURE - 50W	ALED4T50Y (TYPE IV)	1	15'

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MILLIS, MA 02054
508-376-8883(o)

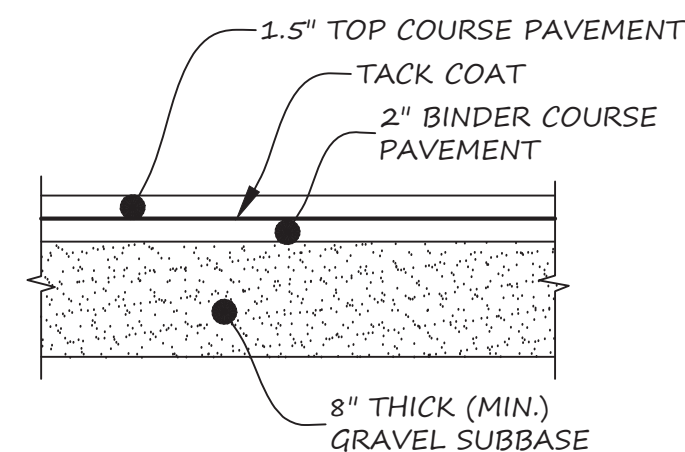


LEGACY
ENGINEERING

C-9

D150-01

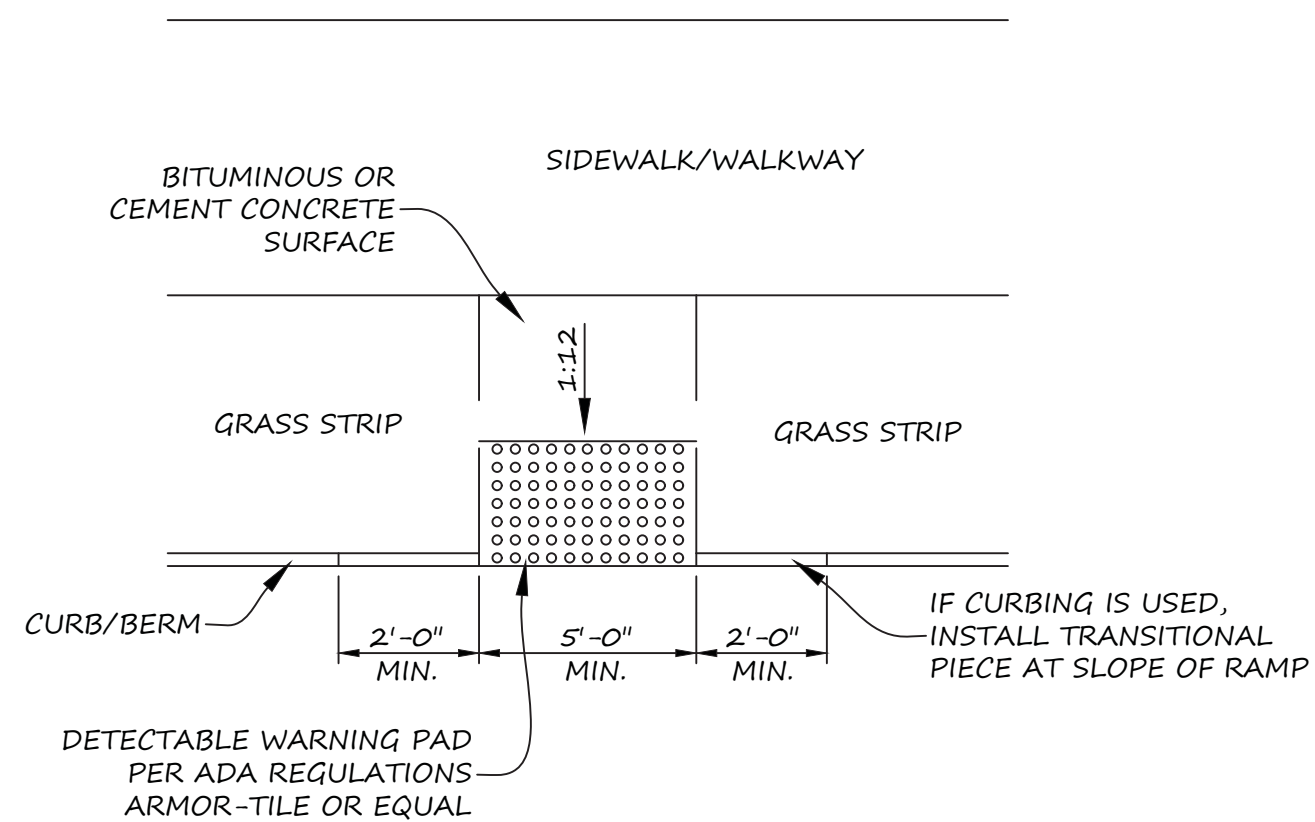
39 MAIN STREET
LIGHTING
PLAN OF LAND
IN
MEDWAY, MA



NOTES

1. FOLLOW THIS DETAIL WHEREVER A CONCRETE SIDEWALK IS IMMEDIATELY ADJACENT TO A CURB.
2. ALL ASPECTS OF WALKWAY/SIDEWALK CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH §21 CMR.
3. PROVIDE CONTROL JOINTS EVERY 5' MIN.
4. PROVIDE PREMOLDED JOINT FILT EVERY 30' MIN.
5. PROVIDE 6x6 W1.4 x W1.4 - WELDED WIRE REINFORCEMENT MESH AT MIDDLE OF SLAB THICKNESS.

(NO SCALE)

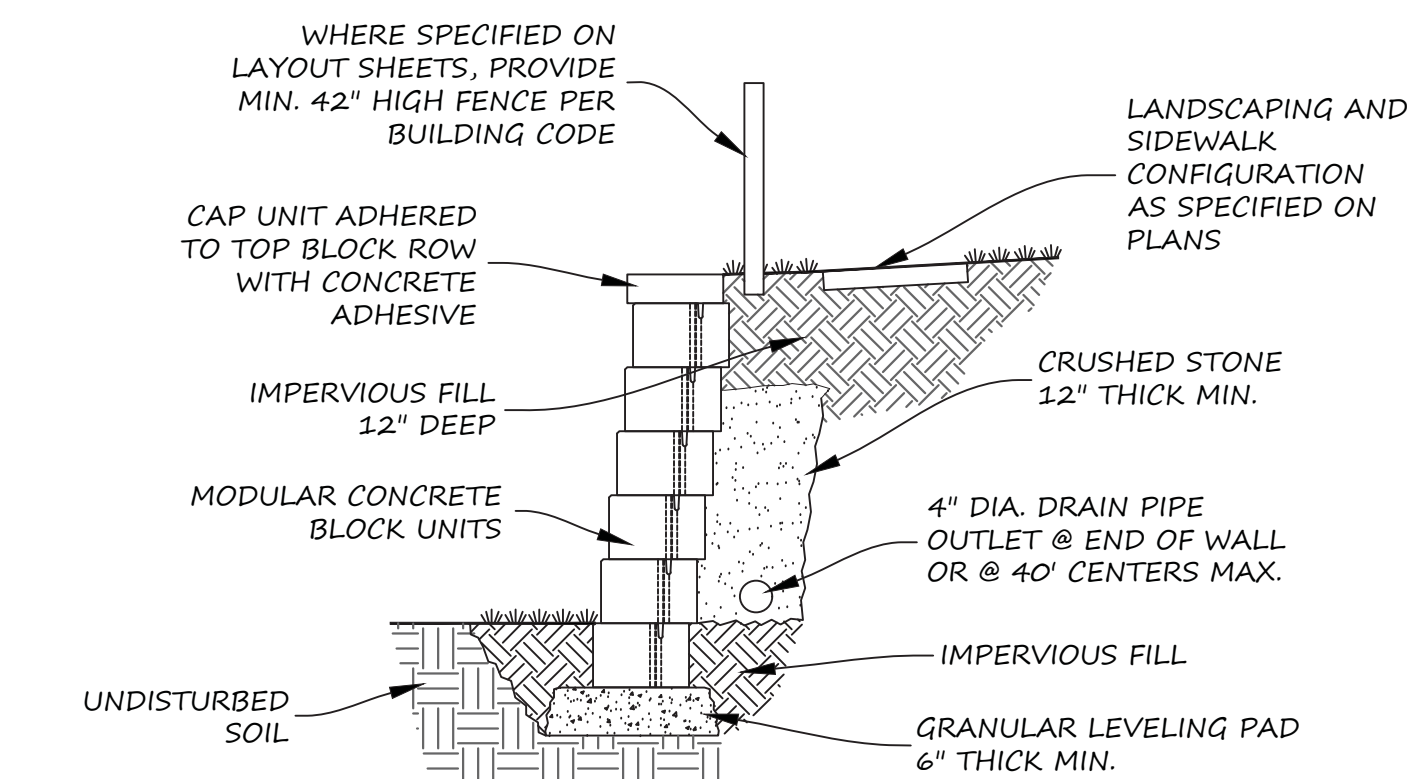


NOT TO SCALE

- ## NOTES

1. ALL ASPECTS OF WALKWAY/SIDEWALK CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH 521 CMR.
2. 4,000 PSI CONCRETE MIX
3. PROVIDE CONTROL JOINTS EVERY 5' MIN.
4. PROVIDE PREMOLDED JOINT FILL EVERY 30' MIN.
5. PROVIDE 6x6 W1.4 x W1.4 - WELDED WIRE REINFORCEMENT MESH AT MIDDLE OF SLAB THICKNESS.

(NO SCALE)



NOTES:

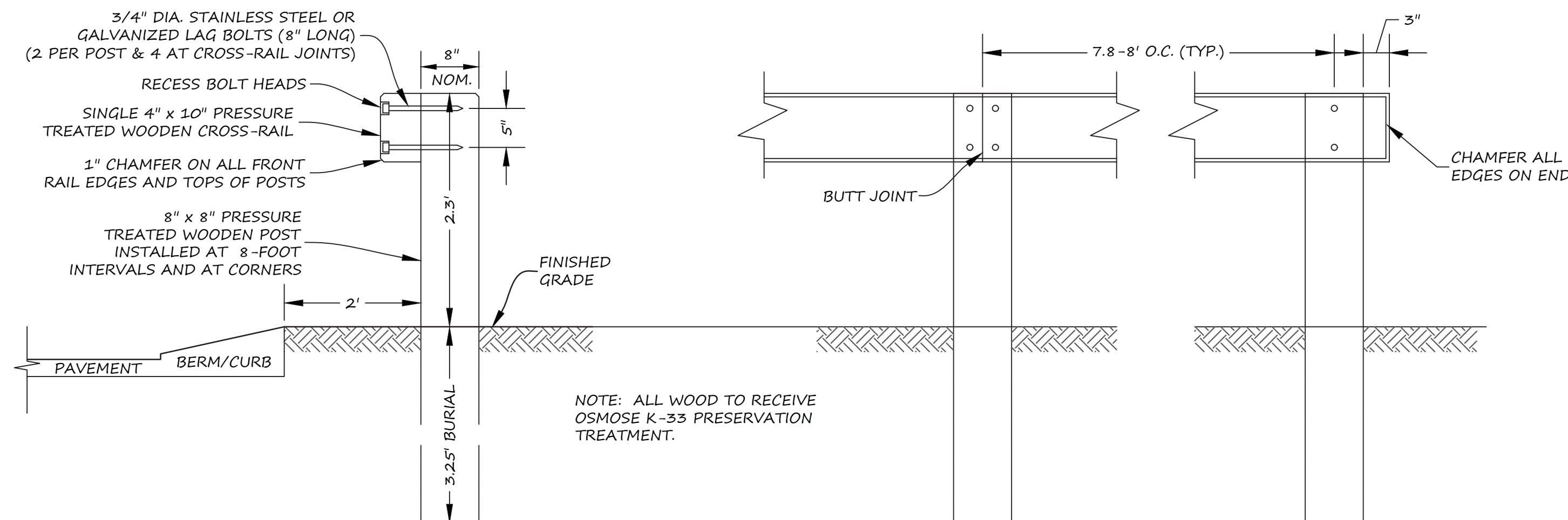
1. CONCRETE TO BE 4,000 PSI.
2. ALL RADIUS 50' AND SMALLER TO BE CONSTRUCTED USING CURVED SECTIONS.

(NO 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. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

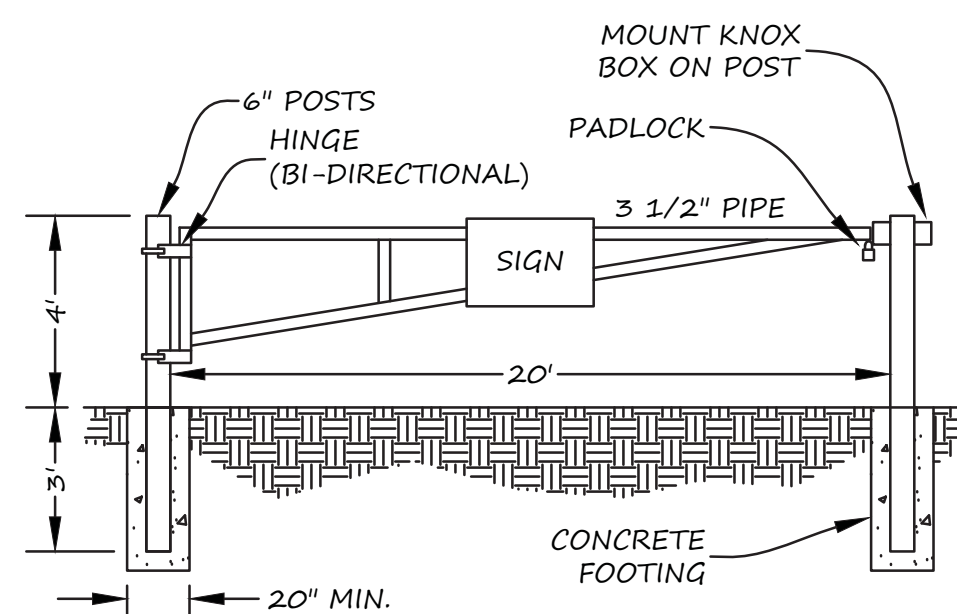
NOT TO SCALE



SIDE SECTIONAL VIEW

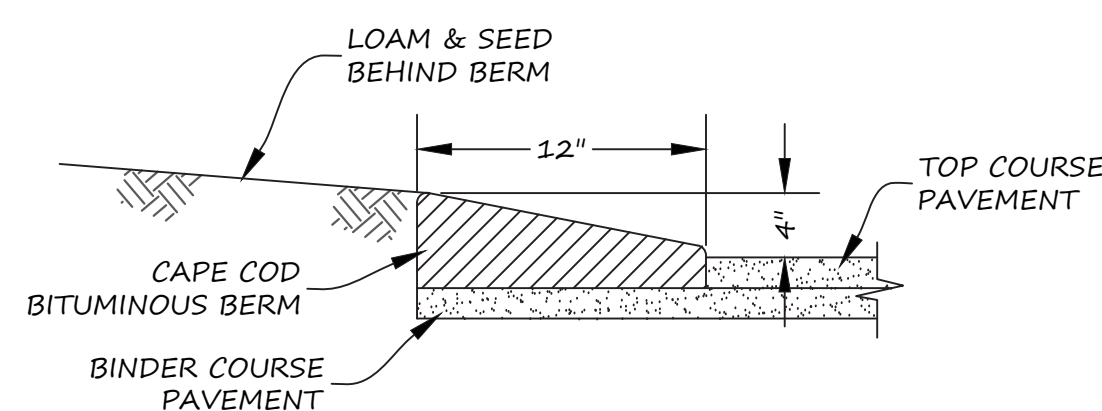
FRONT VIEW & TYPICAL END SECTION

NOT TO SCALE

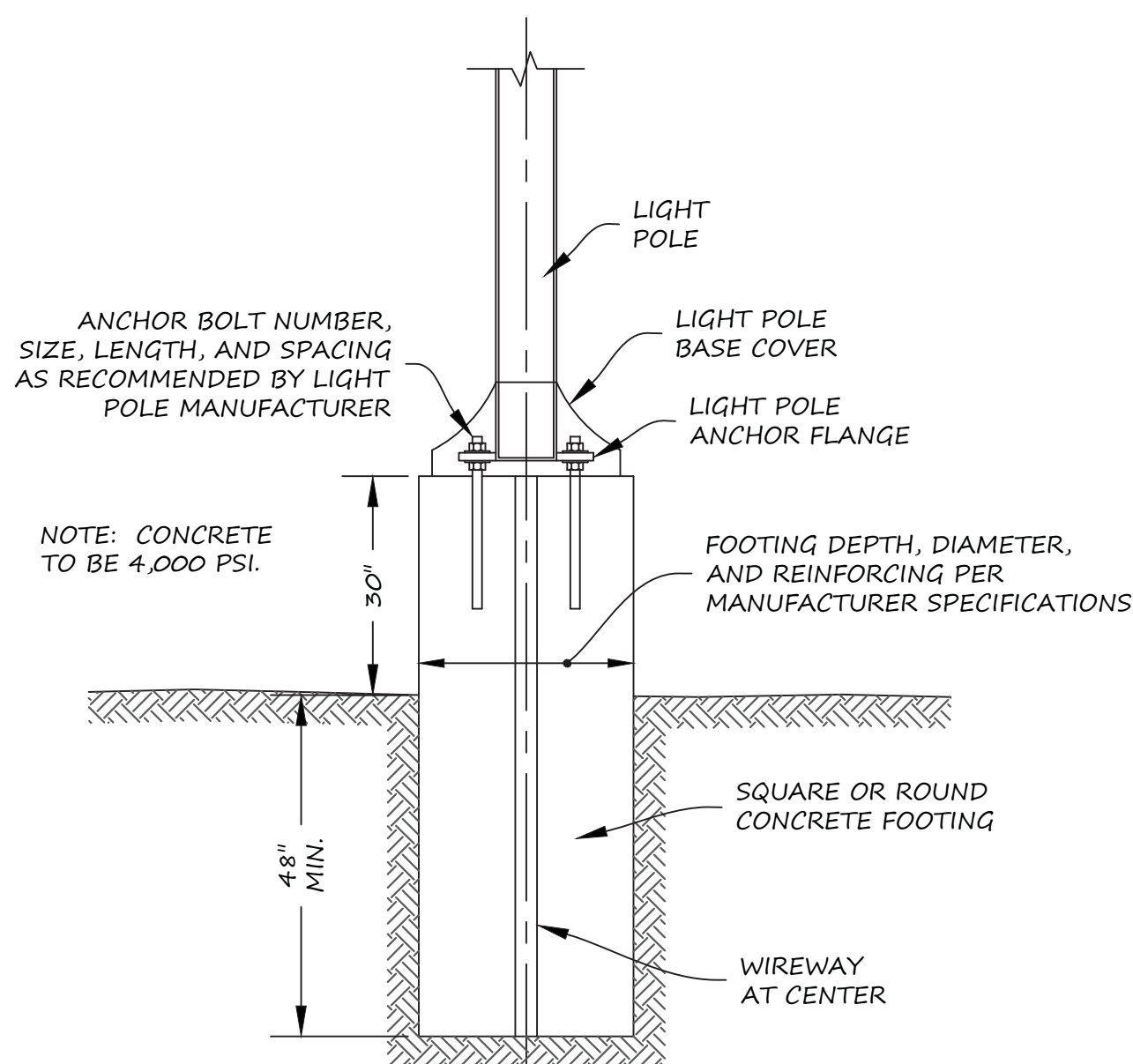


NOT TO SCALE

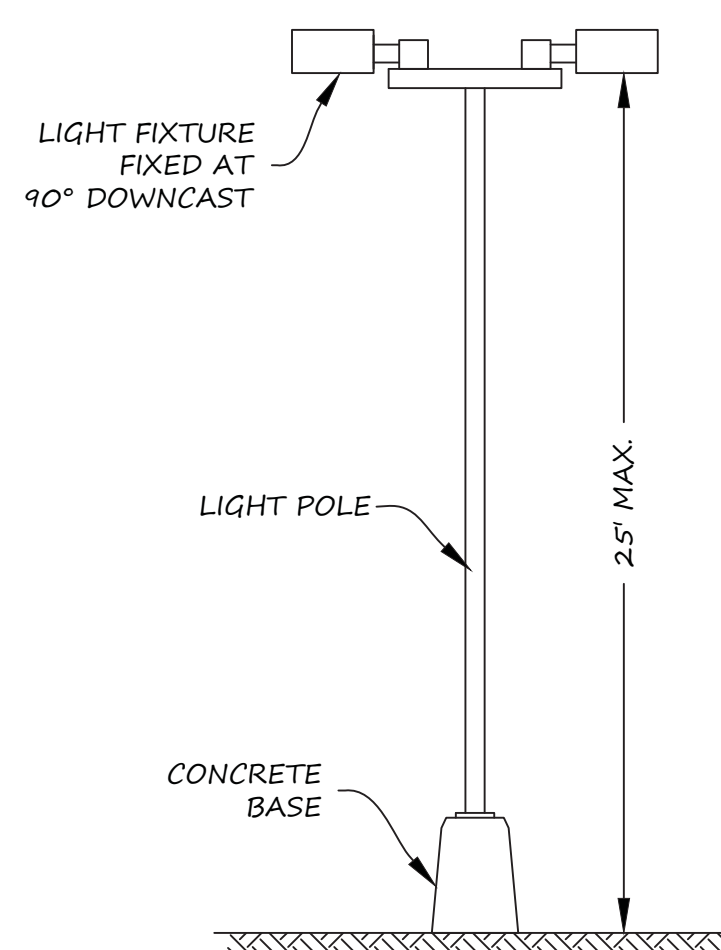
- NOTES:
1. PIPES TO BE SCHEDULE 40 GALVANIZED STEEL
 2. SIGN TO READ "AUTHORIZED ACCESS ONLY"
 3. GATE SYSTEM TO MEET FIRE DEPARTMENT REQUIREMENTS.



(NO SCALE)



NOT TO SCALE



NOT TO SCALE

- NOTES:

1. REFER TO THE LAYOUT PLAN FOR THE LOCATION, LAYOUT, AND NUMBER OF HANDICAP PARKING SPACES IN RELATION TO ADJOINING WALKWAYS.
2. HANDICAP PARKING SPACES AND ACCESSIBLE ROUTES (CURB CUTS, RAMPS, WALKWAYS, ETC...) SHALL BE IN ACCORDANCE WITH 521 CMR.

(NO SCALE)

Digitally signed by Daniel J.
Merrikin, P.E.
Date: 2019.05.29 17:31:33
-04'00'

PLAN SCALE: NOT TO SCALE

PLAN DATE: OCTOBER 11, 2018		
REVISION	DATE	BY
REVISIONS PER TOWN COMMENTS	2018-10-26	D.J.M.
UPDATES FOR COMP. PERMIT APPLICATION	2018-10-30	D.J.M.
UPDATES FOR CONSERVATION APPLICATION	2019-03-26	D.J.M.
REVISIONS PER TOWN COMMENTS	2019-05-24	D.J.M.

ORIGINAL PLAN PREPARED BY MERRIKING ENGINEERING, LLP

339 MAIN STREET
DETAILS
PLAN OF LAND
IN
MEDWAY, MA

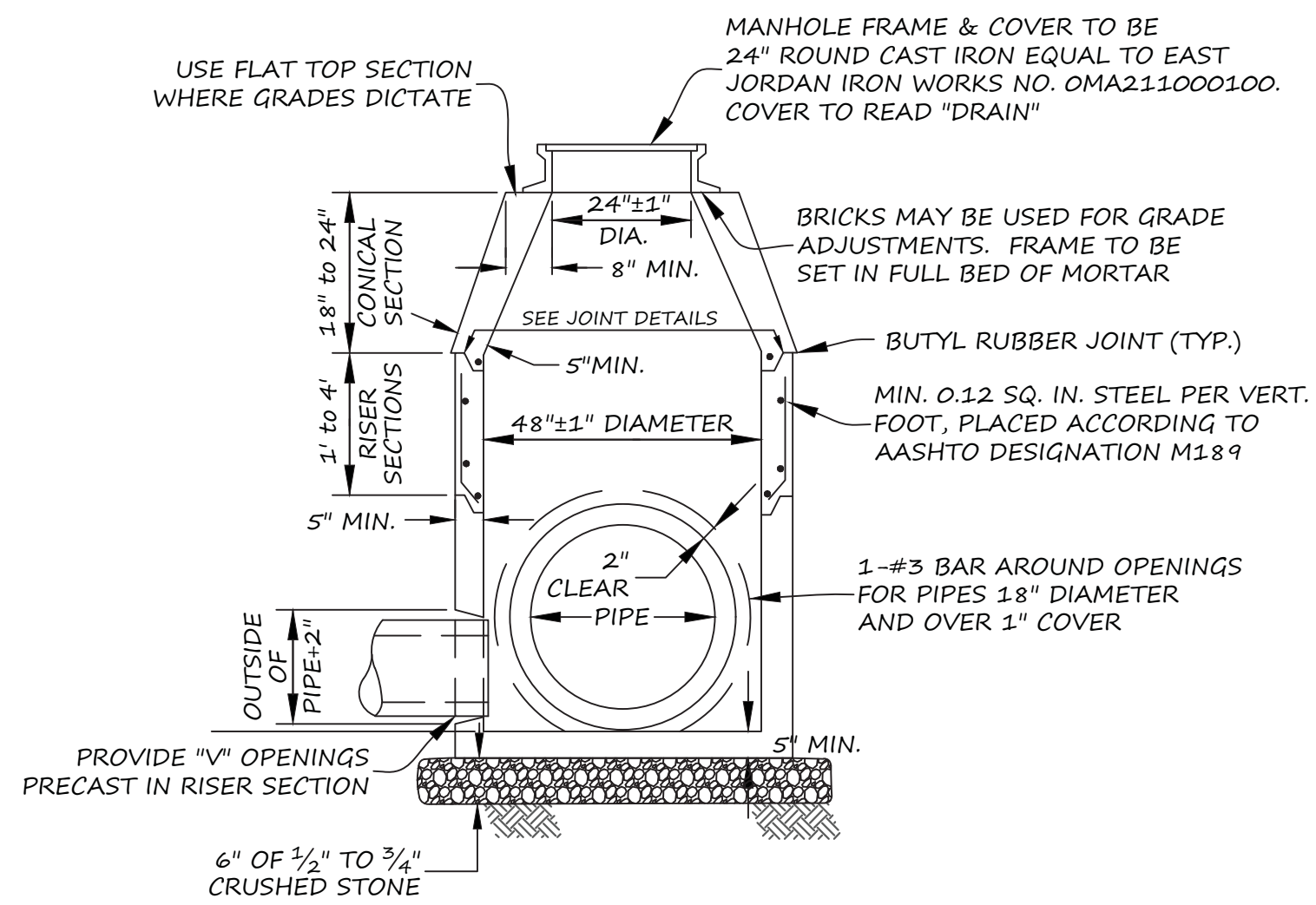
730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)

C-10

D150-01



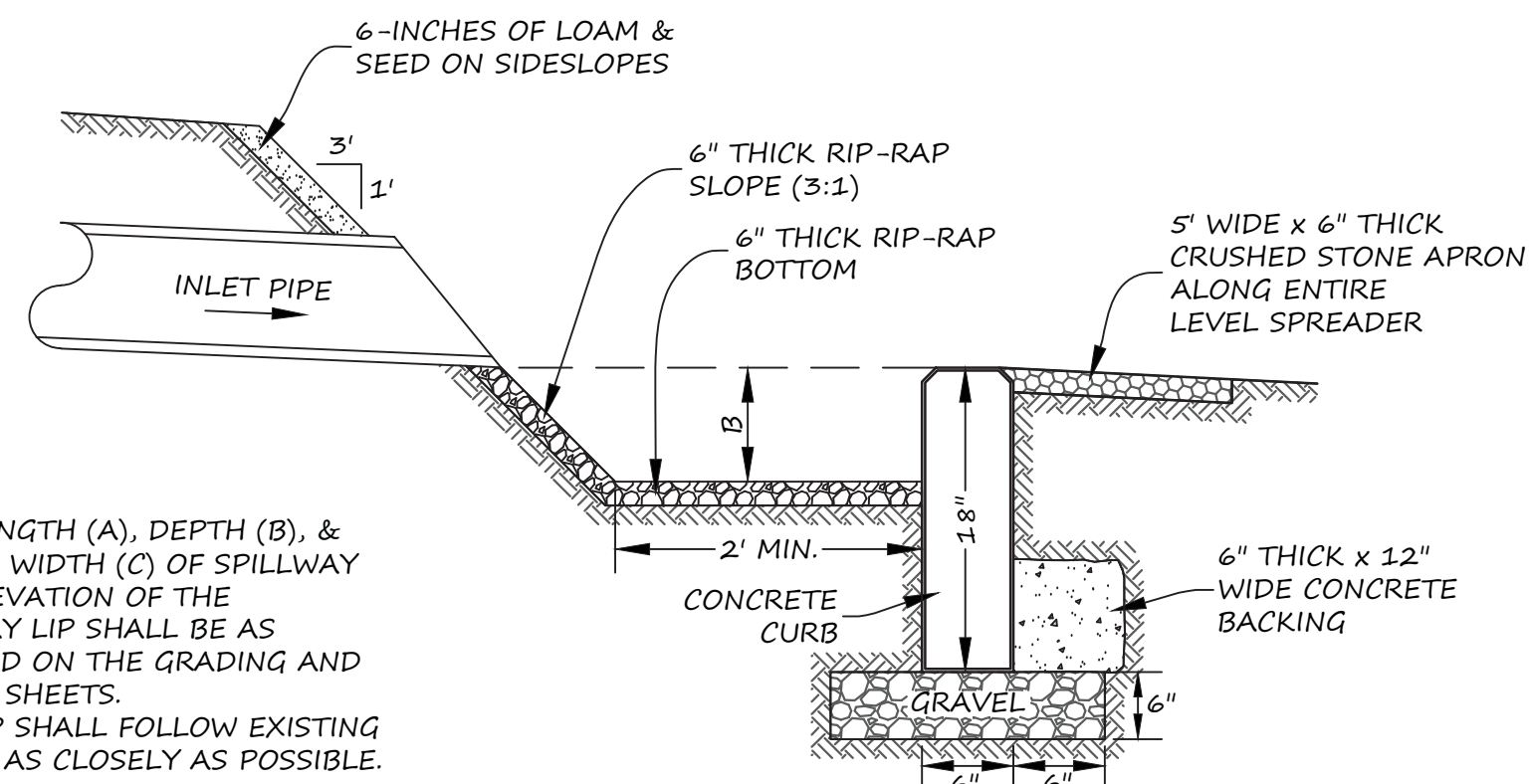
LEGACY
ENGINEERING



- NOTES:
- MANHOLE DIAMETER SHALL BE INCREASED IF NUMBER, SIZE, AND CONFIGURATION OF INLET/OUTLET PIPING NECESSITATES A LARGER MANHOLE DIAMETER.
 - SUBSTITUTE FRAME AND COVERS SHALL BE MADE IN USA AND SHALL BE APPROVED BY THE ENGINEERING DEPARTMENT OR PLANNING BOARD PRIOR TO CONSTRUCTION.

PRECAST CONCRETE MANHOLE

NOT TO SCALE

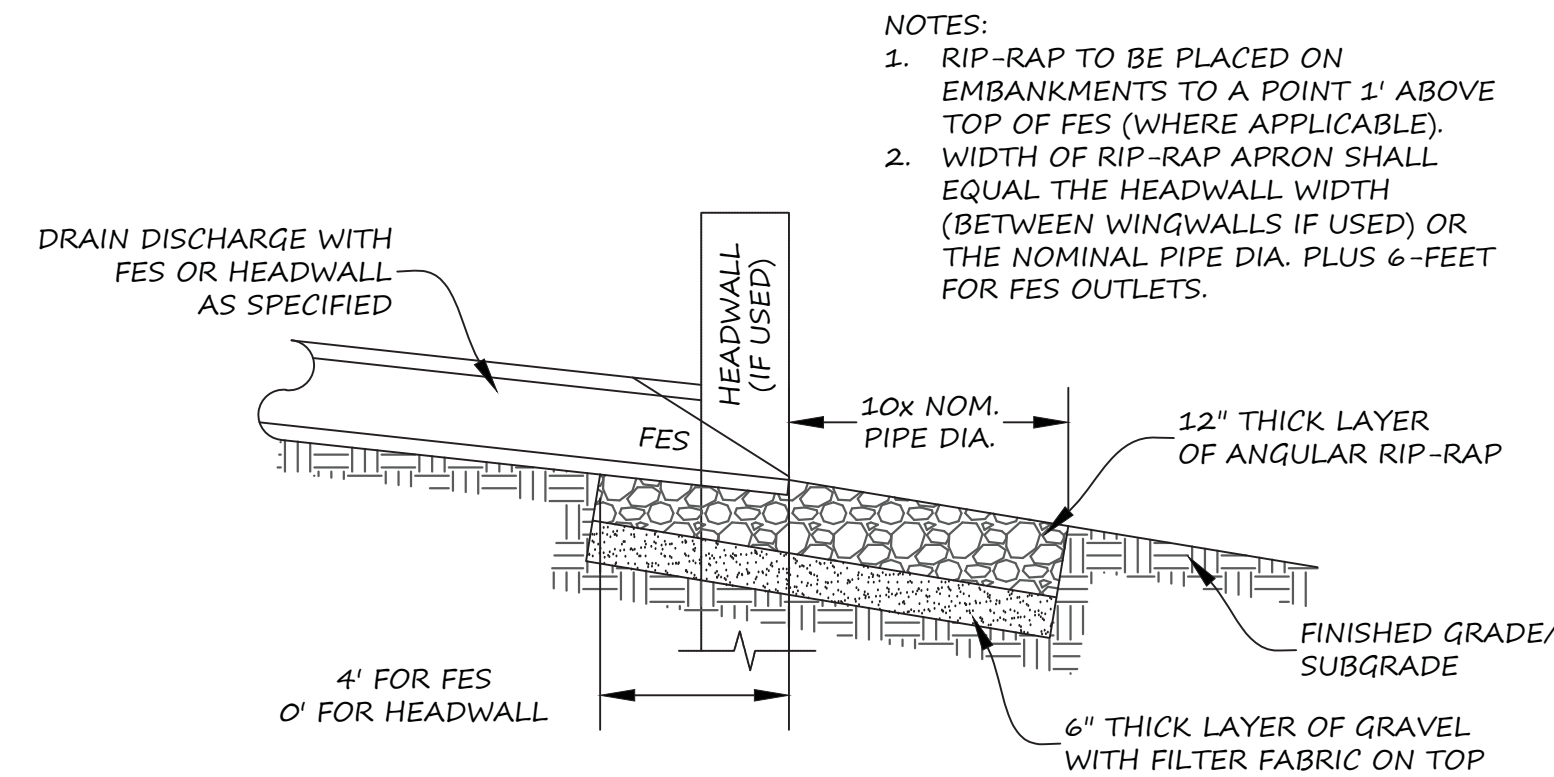


- NOTES:
- WEIR LENGTH (A), DEPTH (B), & BOTTOM WIDTH (C) OF SPILLWAY AND ELEVATION OF THE SPILLWAY LIP SHALL BE AS SPECIFIED ON THE GRADING AND PROFILE SHEETS.
 - WEIR LIP SHALL FOLLOW EXISTING GRADES AS CLOSELY AS POSSIBLE.

TYPICAL SECTIONAL VIEW

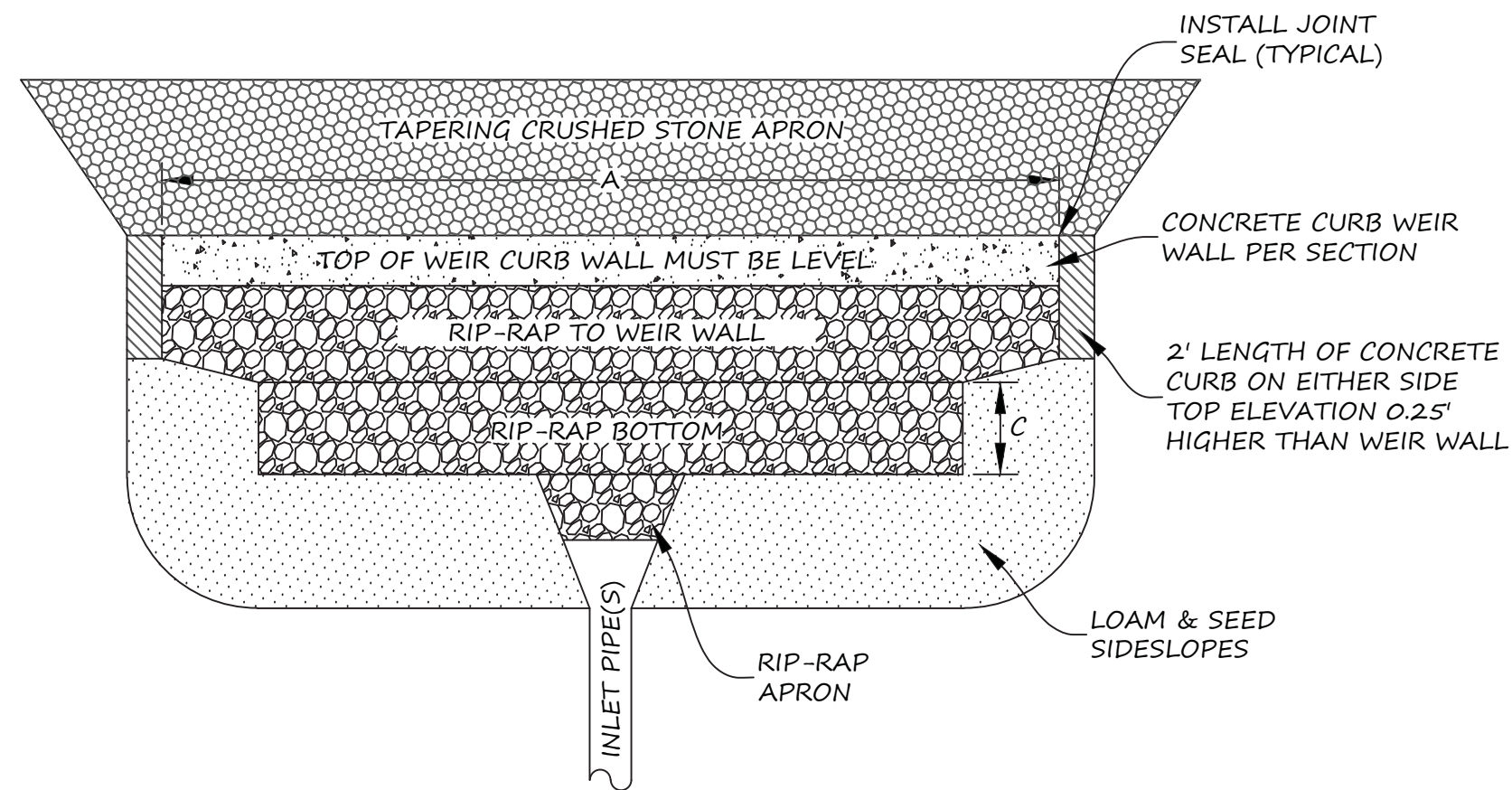
LEVEL SPREADER DETAIL

NOT TO SCALE



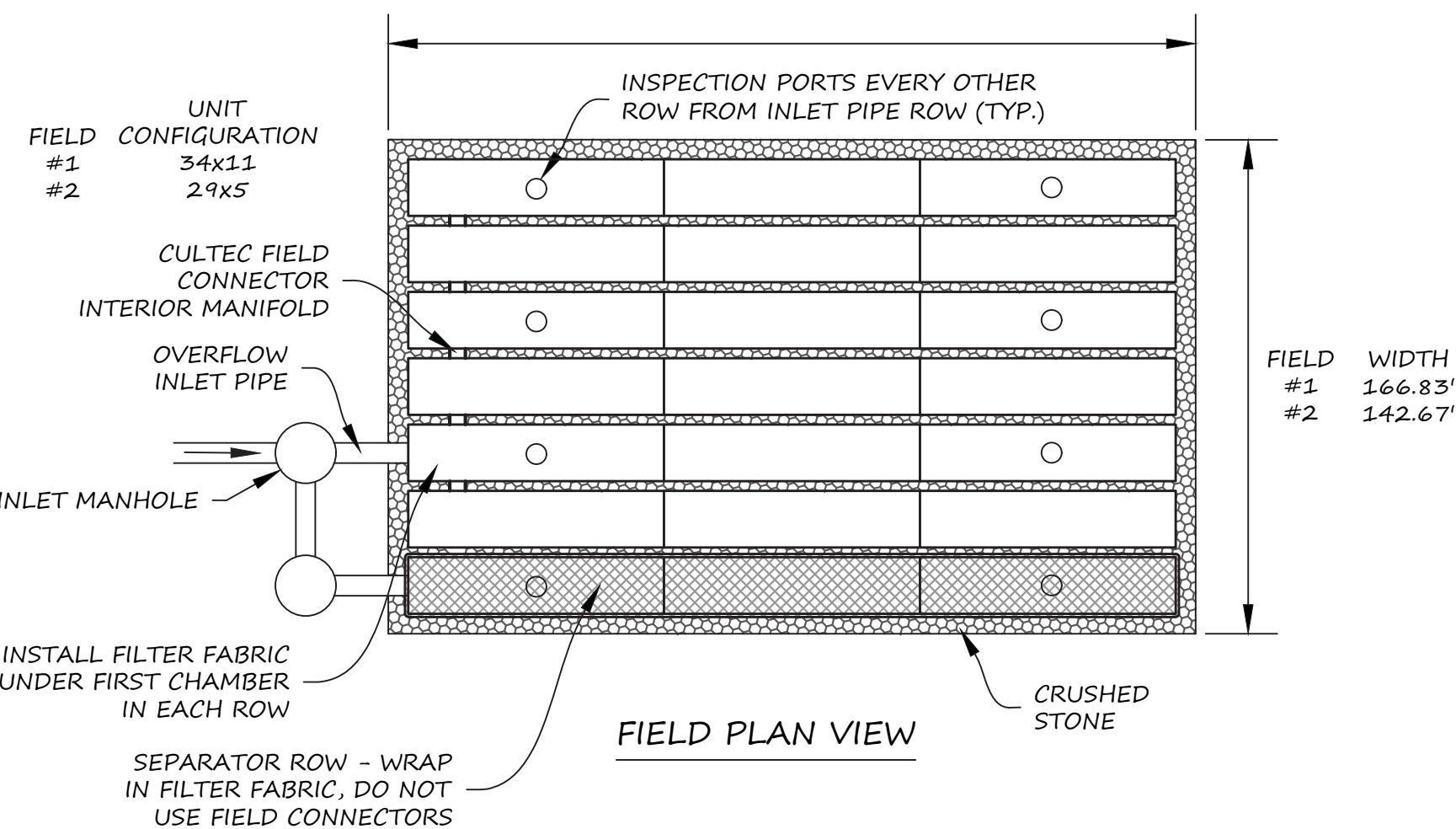
TYPICAL RIP-RAP APRON DETAIL

NOT TO SCALE

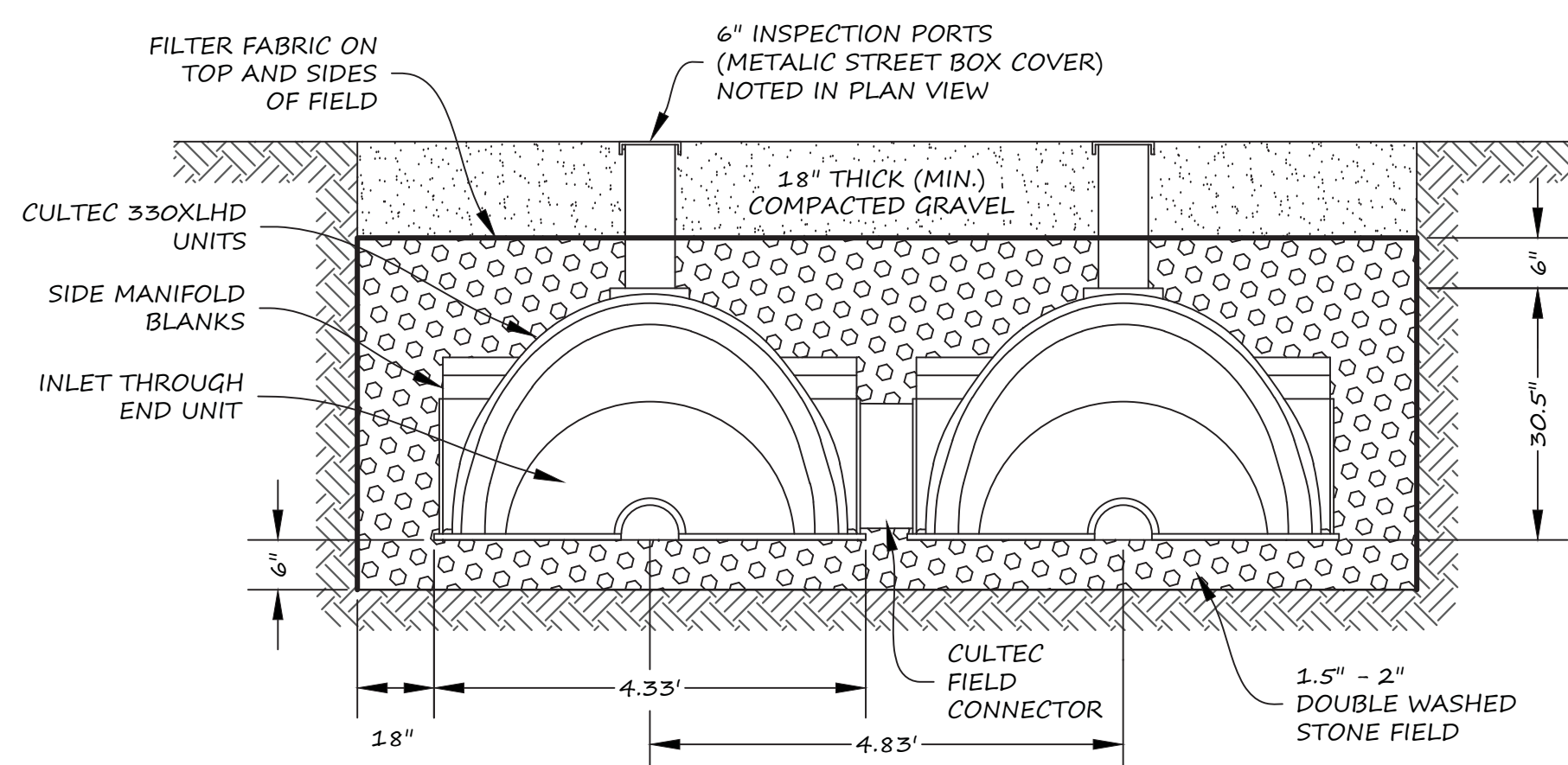


PLAN VIEW

FIELD	LENGTH
#1	81.50'
#2	39.50'



FIELD PLAN VIEW



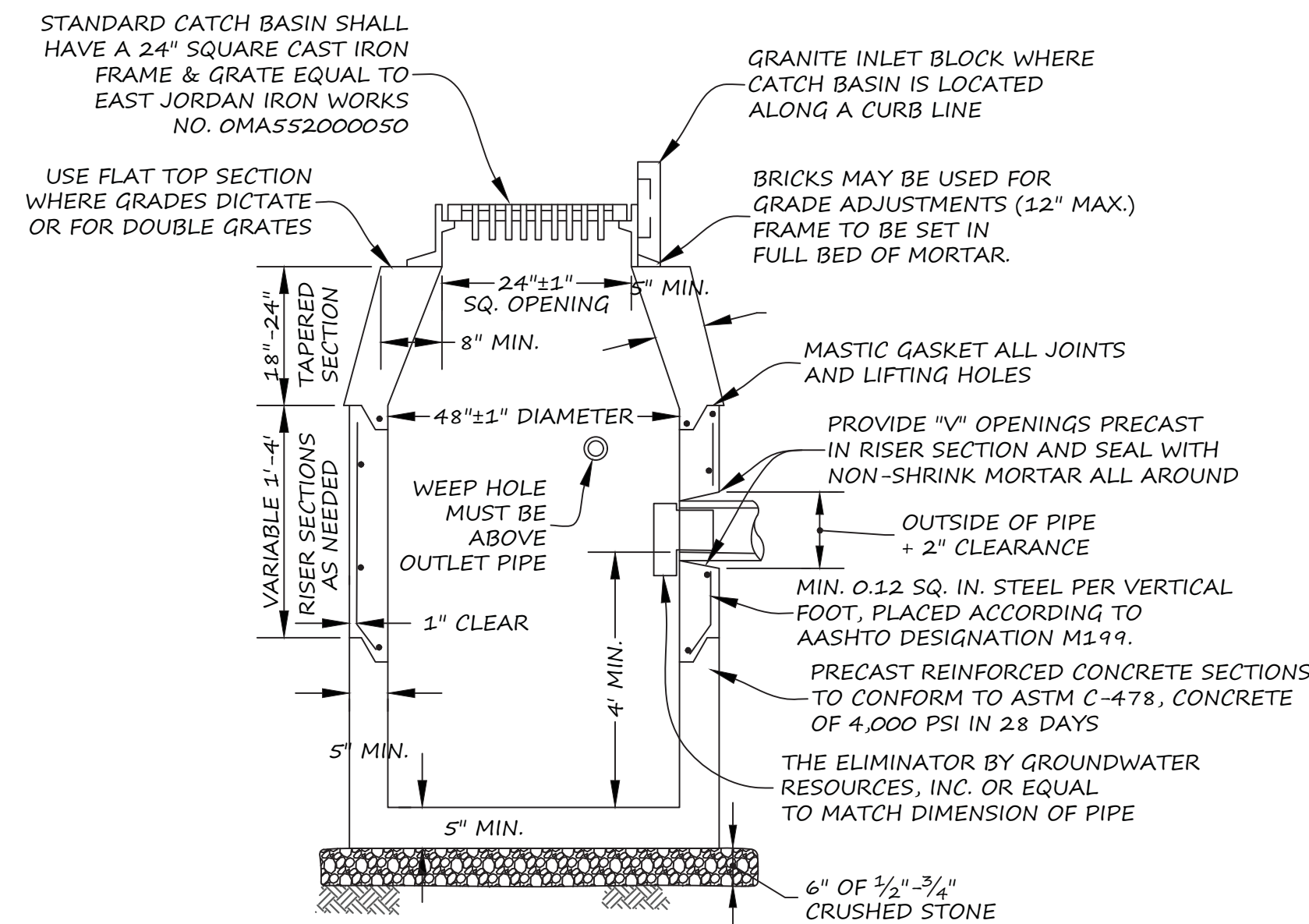
SECTION THROUGH TYPICAL LEACHING FIELD

NOTES:

- INFILTRATION TRENCH UNITS TO BE RECHARGER 330XLHD AS MANUFACTURED BY CULTEC, INC., 878 FEDERAL ROAD, BROOKFIELD, CT 06804, OR APPROVED EQUAL. APPROVED EQUALS MUST CONTAIN AT LEAST THE SAME TOTAL SYSTEM STORAGE VOLUME AND BOTTOM AREA.
- INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- TWO-TRENCH SYSTEM CROSS-SECTION SHOWN. MULTIPLE TRENCHES WOULD USE THE SAME EXTERIOR STONE THICKNESS AND INTERIOR CHAMBER SEPARATION VALUES.
- INFILTRATION TRENCH UNITS SHALL BE ABLE TO WITHSTAND H-20 LOADINGS.
- REMOVE FILL UNDERNEATH INFILTRATION FIELDS AND REPLACE WITH SAND OR GRAVEL AS NEEDED.

INFILTRATION TRENCH/FIELD DETAIL

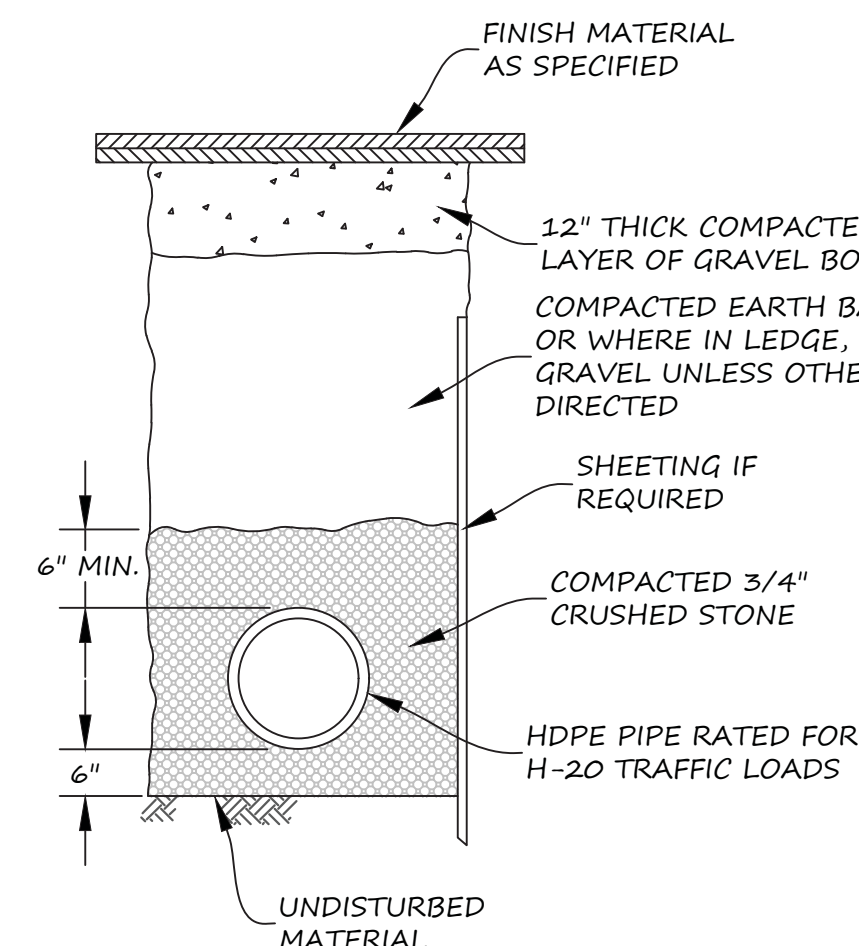
NOT TO SCALE



- NOTES:
- NO BELL ENDS IN CATCH BASIN. CONNECTIONS TO BE TIGHTLY SEALED WITH MORTAR.
 - SUBSTITUTE FRAME AND GRATE SHALL BE MADE IN USA AND SHALL BE APPROVED BY THE ENGINEERING DEPARTMENT OR PLANNING BOARD PRIOR TO CONSTRUCTION.
 - PROVIDE 5" DIAMETER STRUCTURE WITH FLAT TOP WITH RECTANGULAR OPENING FOR DOUBLE GRATES, WHICH SHALL BE EAST JORDAN IRON WORKS NO. OMA544000002 WITH GRATES EQUAL TO ABOVE-SPECIFICATION.

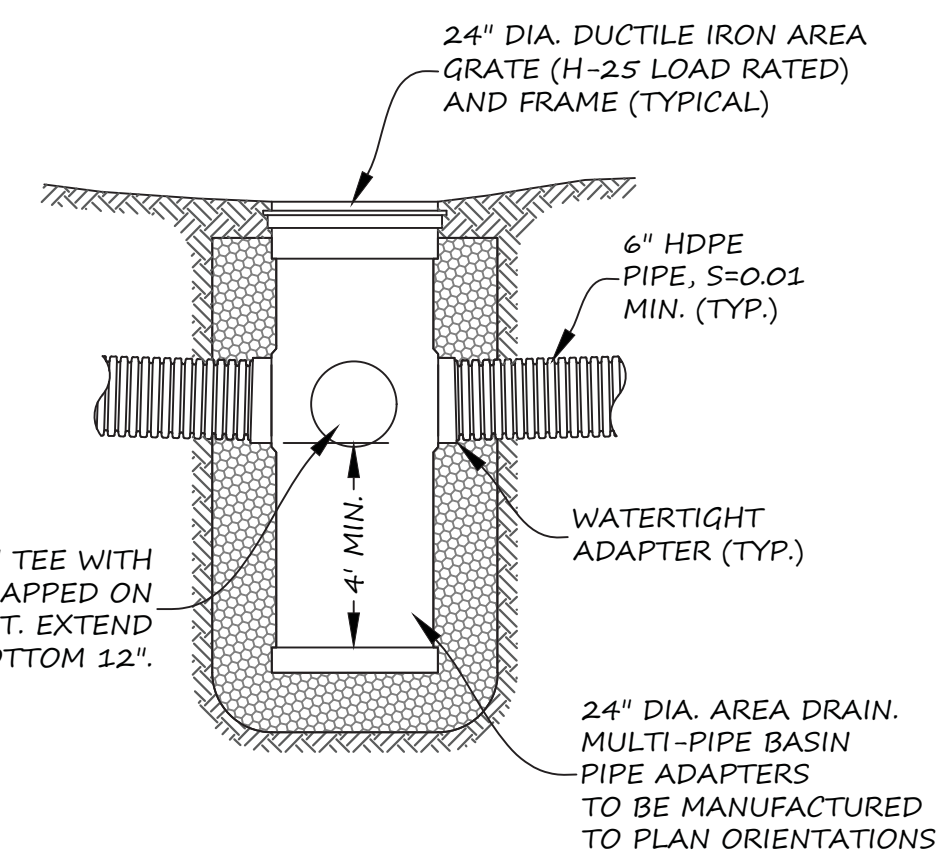
PRECAST CONCRETE CATCH BASIN

NOT TO SCALE



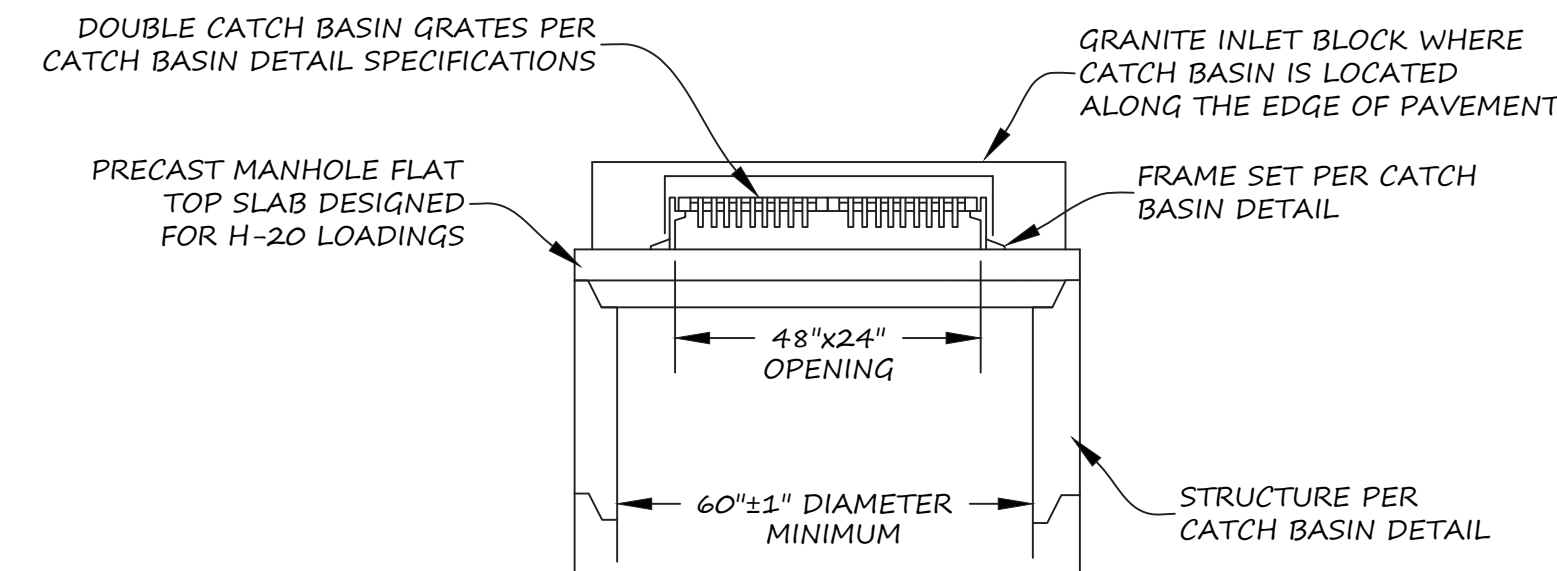
TYPICAL DRAIN TRENCH

(NO SCALE)



AREA DRAIN (A.D.) DETAIL

NOT TO SCALE



CATCH BASIN DOUBLE GRATE DETAIL

NOT TO SCALE

OWNER
NOTWEN REALTY TRUST
33 FRUIT STREET
NORFOLK, MA 02056

APPLICANT
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

MAP AND PARCEL
MAP 41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)



Digitally signed by Daniel J. Merrick, P.E.
Date: 2019.05.29 17:30:35 -0400

PLAN SCALE: NOT TO SCALE

ORIGINAL PLAN PREPARED BY MERRICK ENGINEERING, LLP

REVISION	DATE	BY
1	2018-11-30	D.J.M.
2	2019-03-10	D.J.M.
3	2019-03-29	D.J.M.

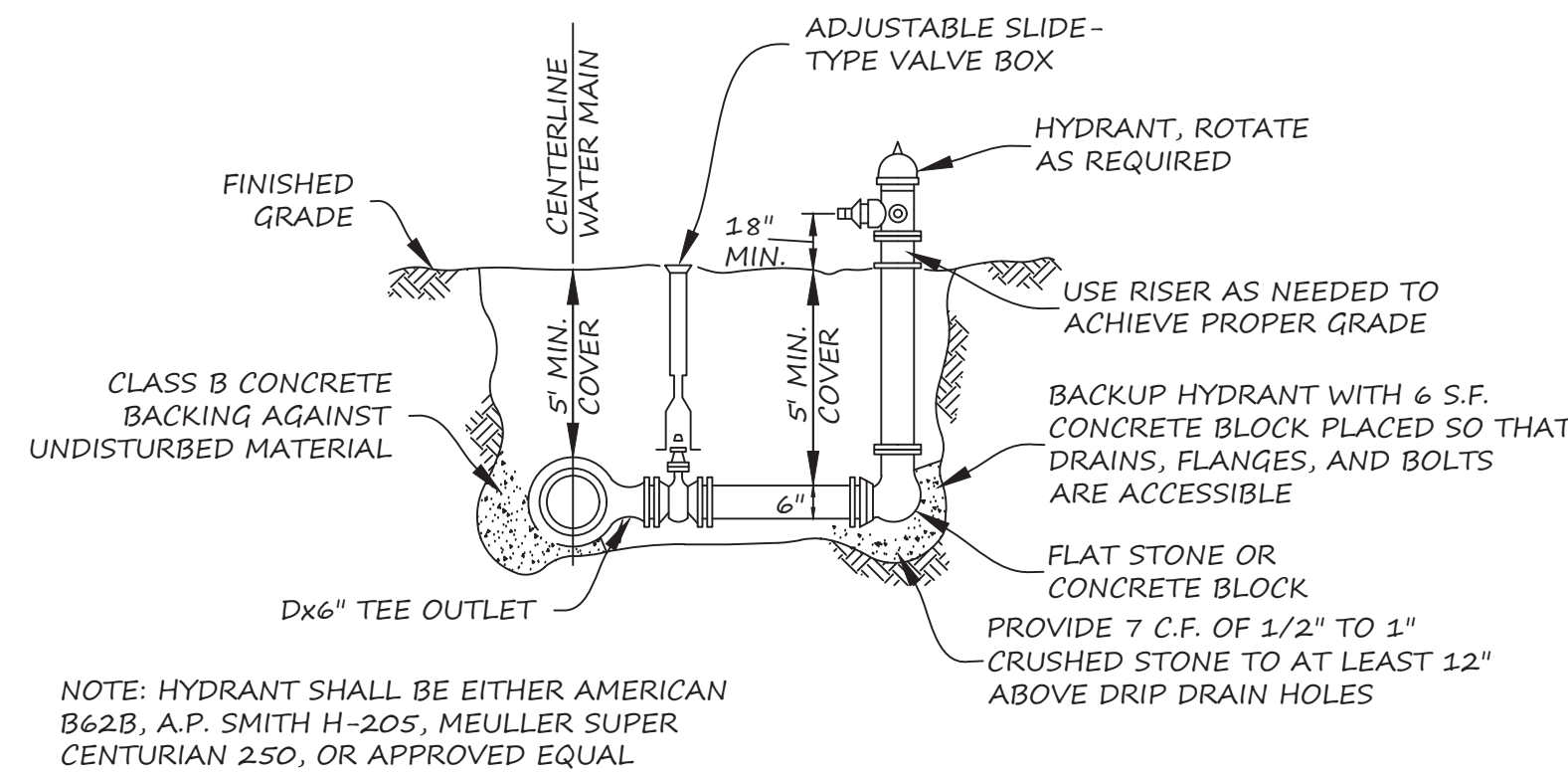
39 MAIN STREET
DETAILS
PLAN OF LAND
IN
MEDWAY, MA

730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)
C-11

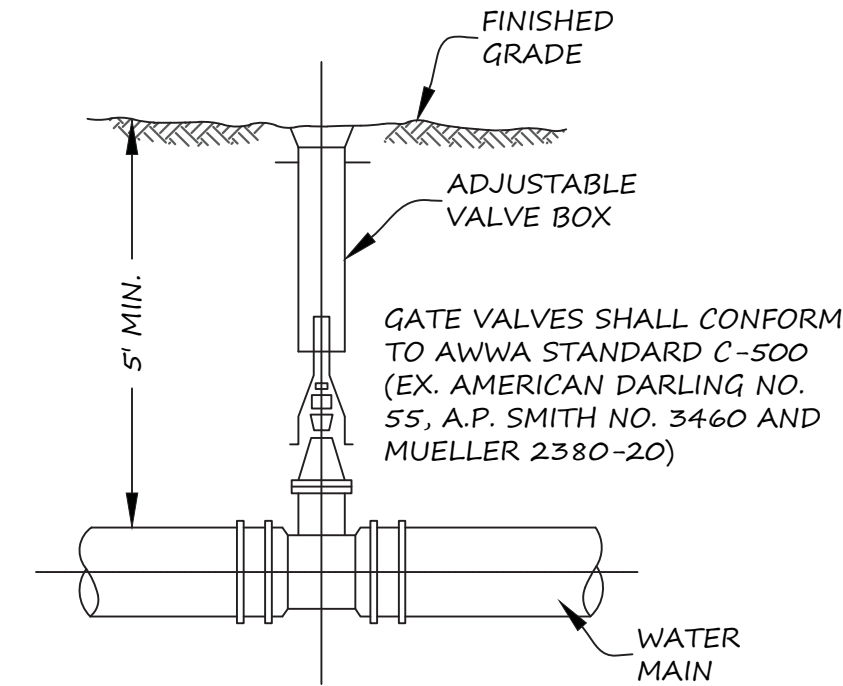


LEGACY
ENGINEERING

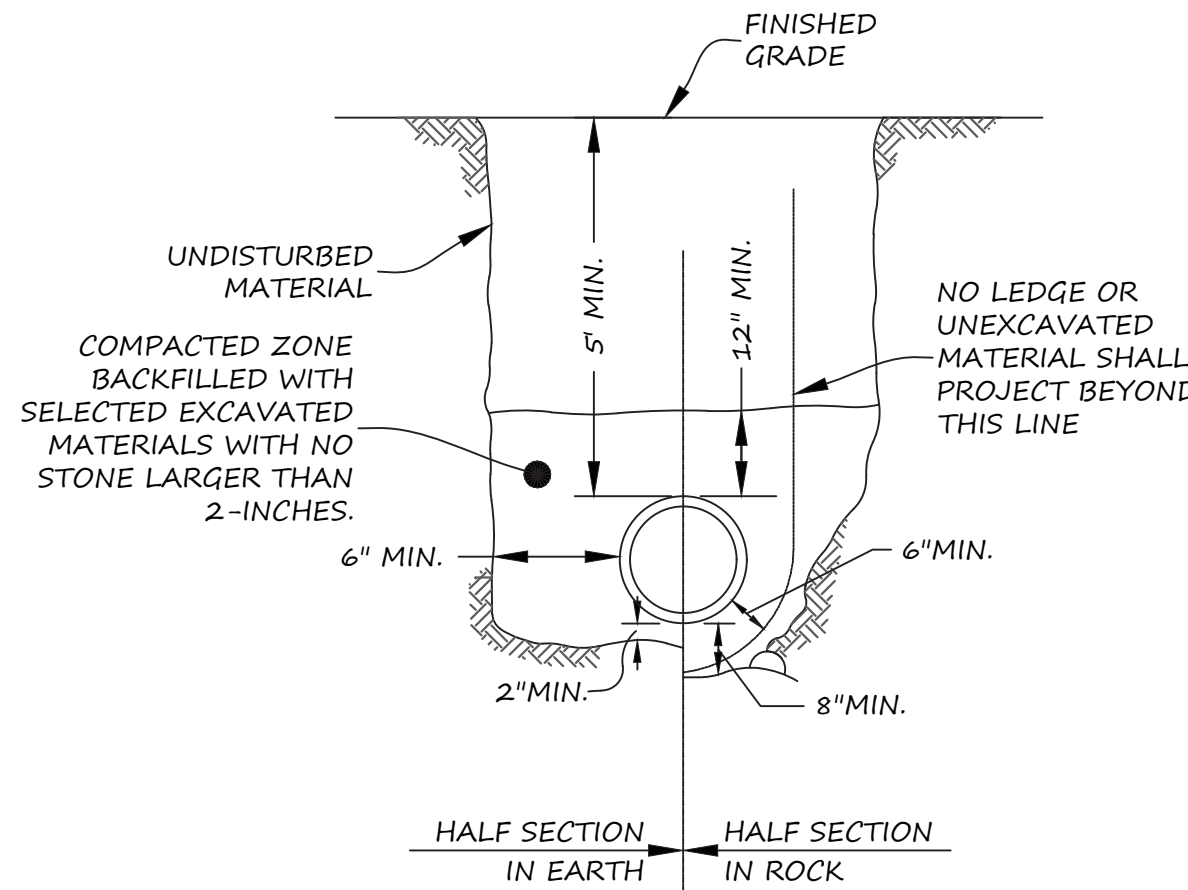
D150-01



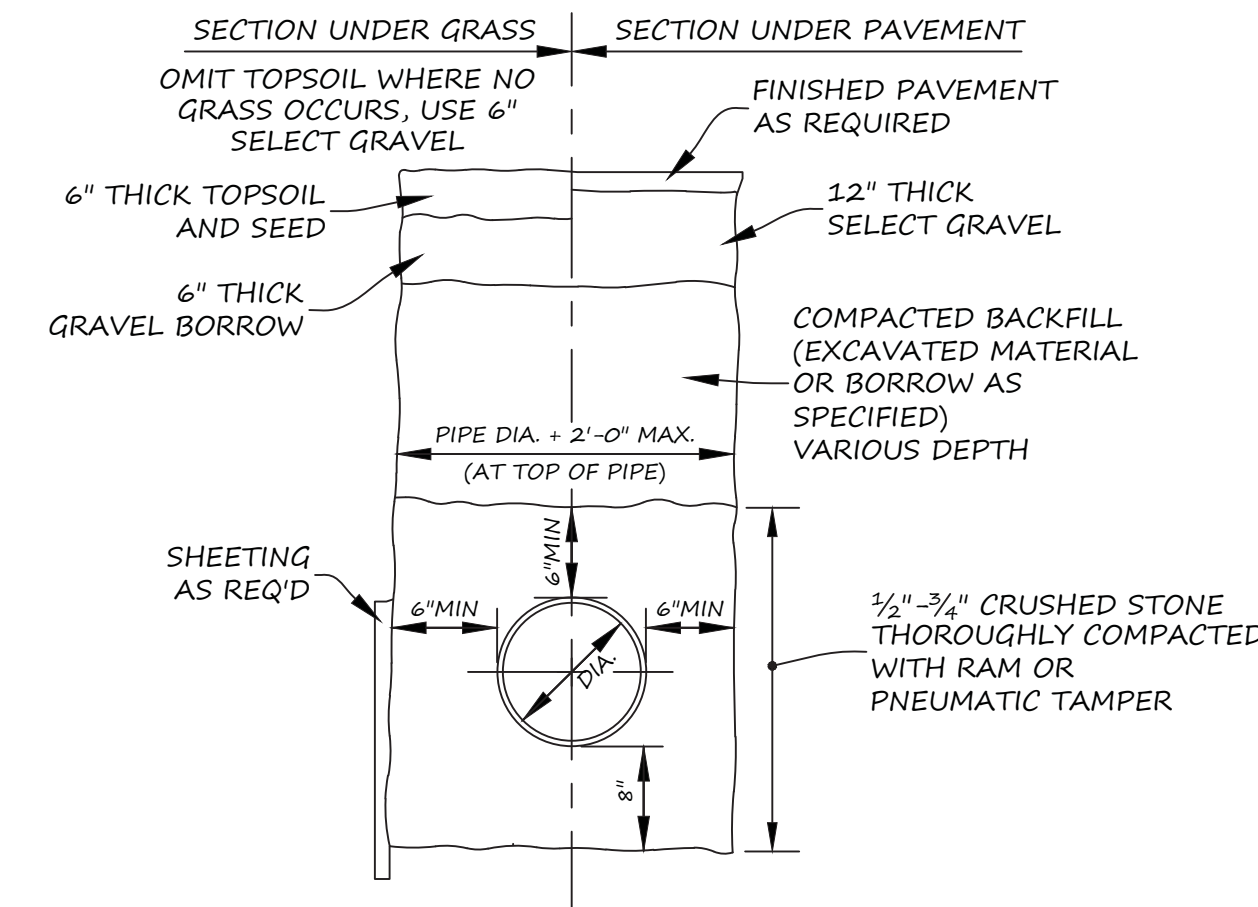
TYPICAL HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



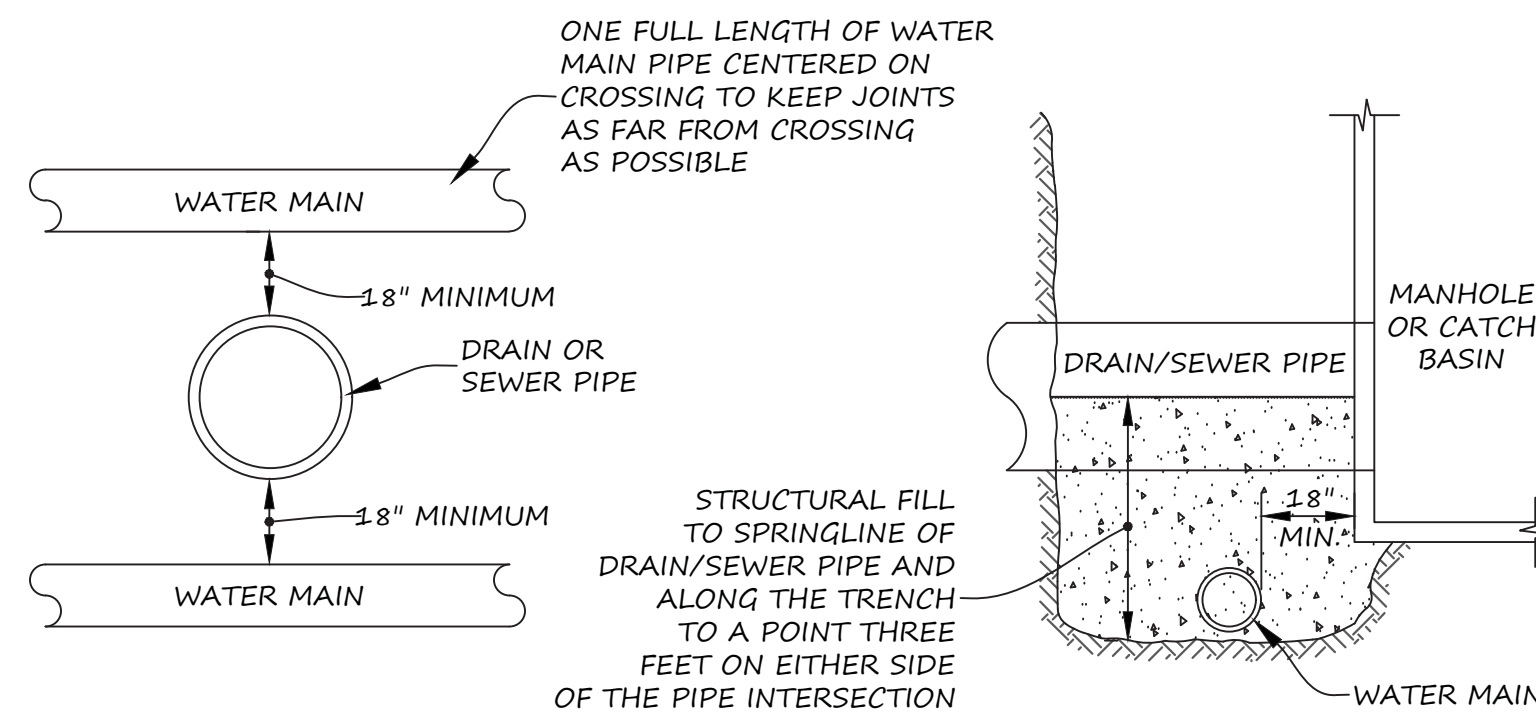
TYPICAL GATE VALVE
NOT TO SCALE



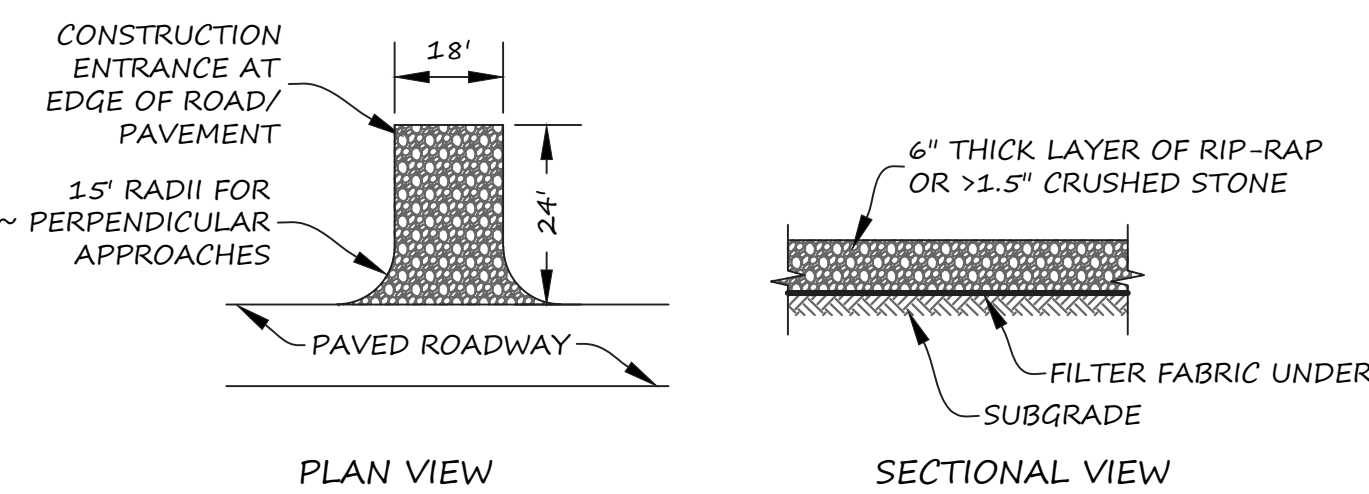
WATER MAIN TRENCH DETAIL
NOT TO SCALE



TYPICAL SEWER TRENCH
NOT TO SCALE

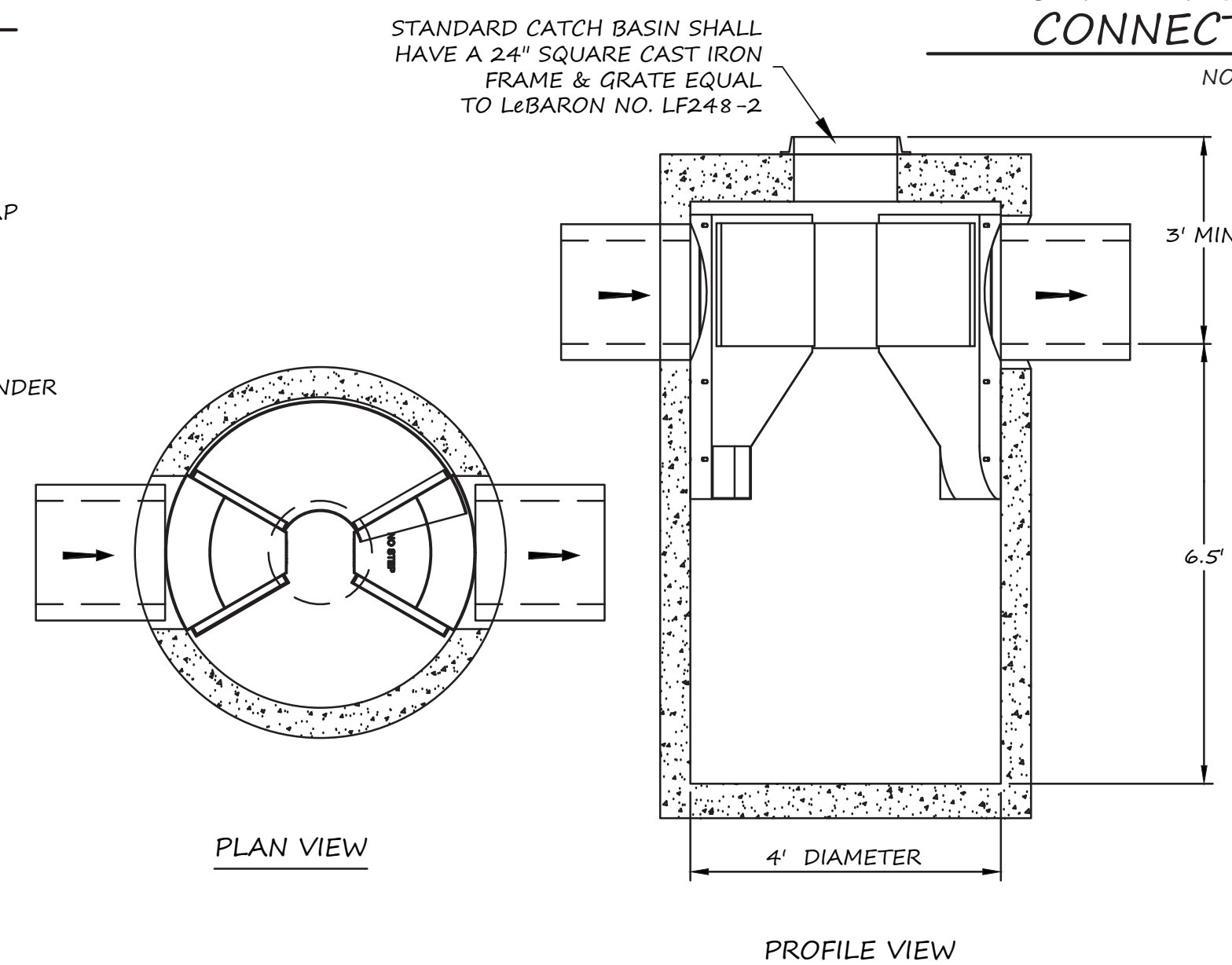


WATER MAIN CROSSING DETAIL
NOT TO SCALE

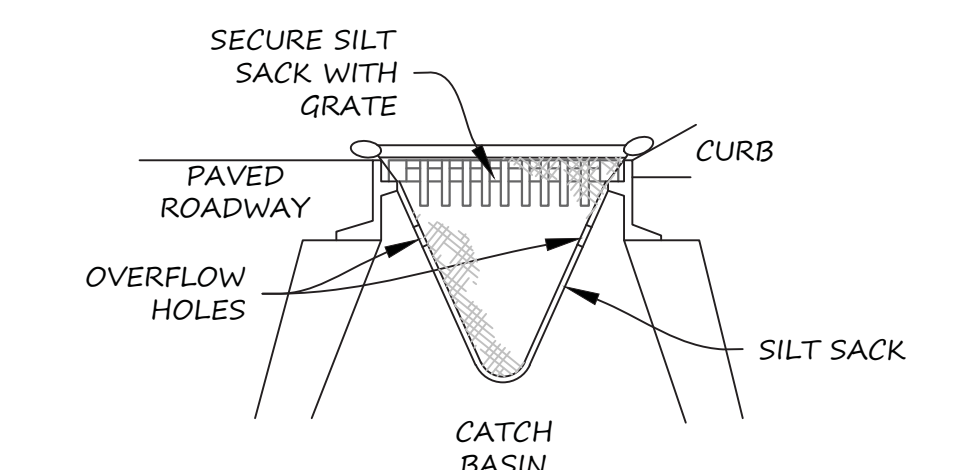


CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

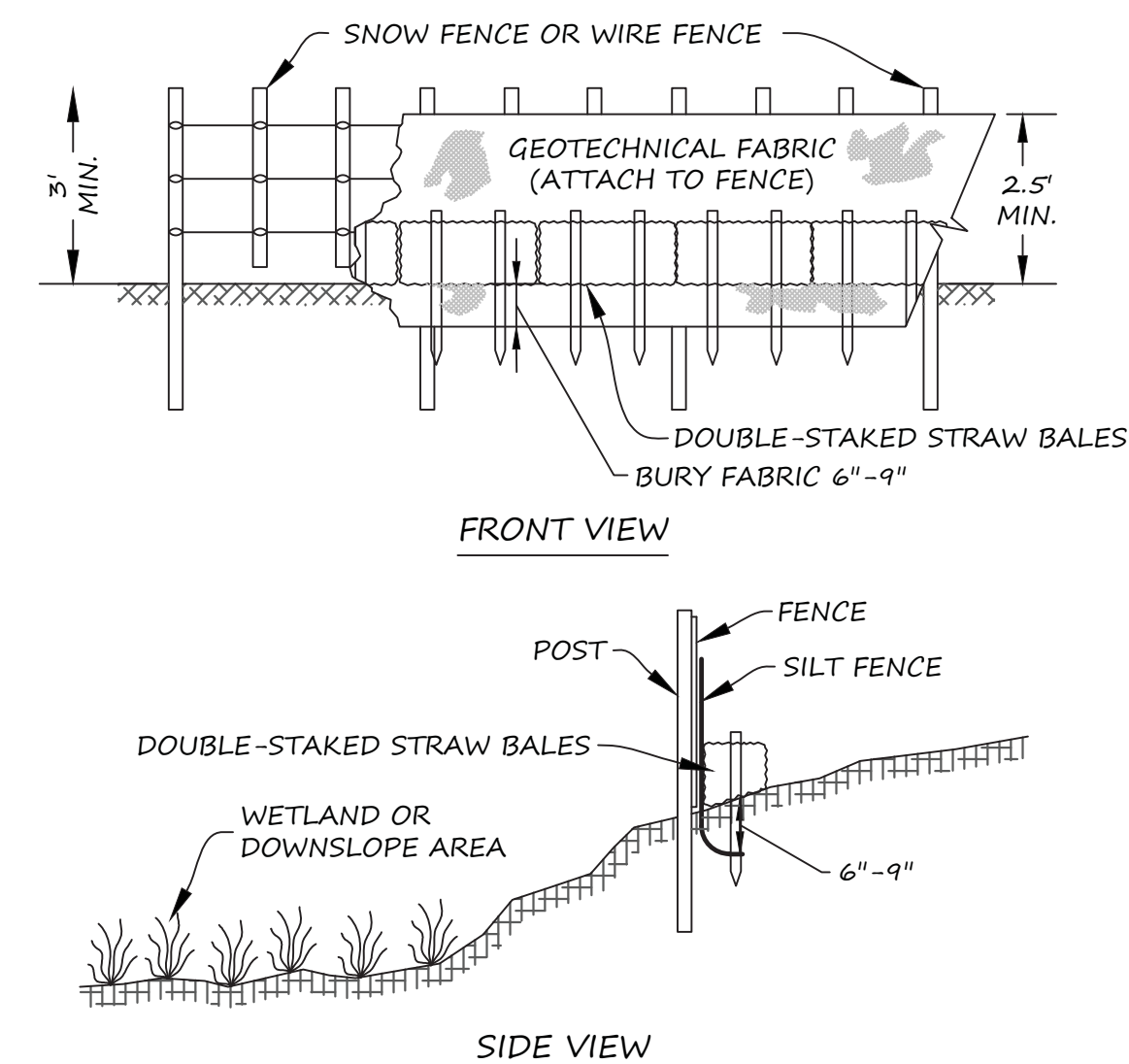
- NOTES:
- ENTRANCE SHALL BE INSTALLED BEFORE ANY EXCAVATION WORK OCCURS ON-SITE.
 - ENTRANCE SHALL BE MAINTAINED IN GOOD CONTITION UNTIL A PAVED DRIVEWAY IS INSTALLED. REPLACE ENTRANCE IF FILLED WITH SOILS OR IF SOILS ARE BEING TRACKED ONTO ADJACENT ROADWAYS.



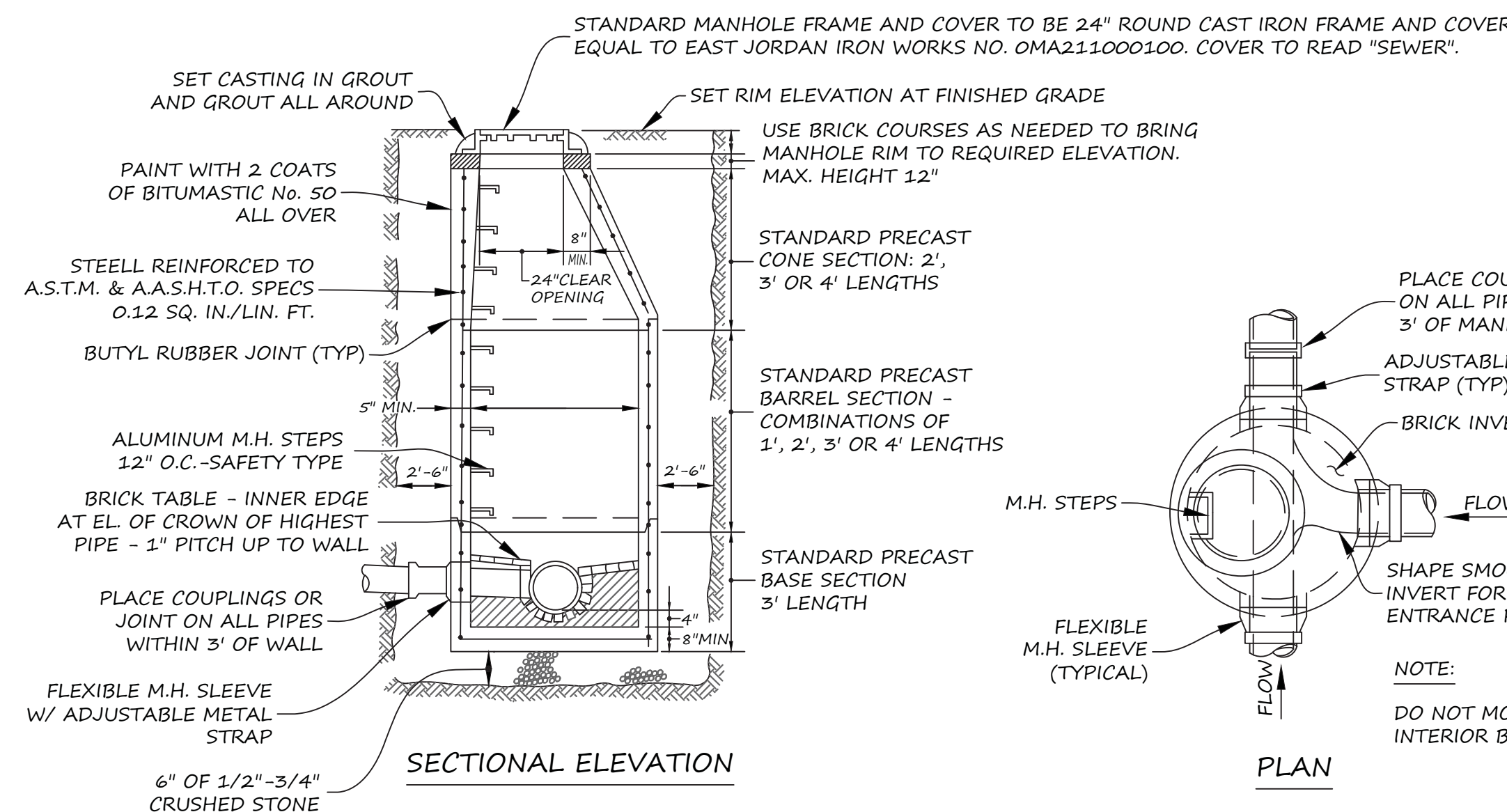
FIRST DEFENSE (4' DIA. MODEL)
NOT TO SCALE



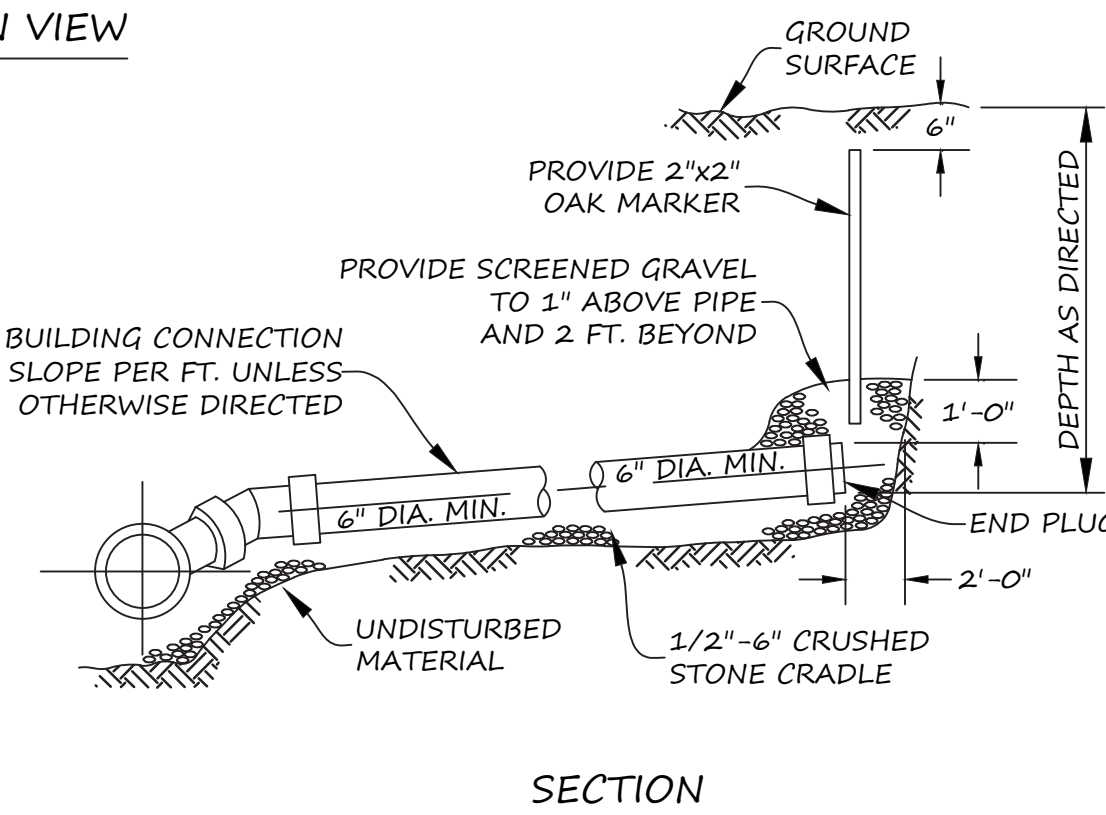
CATCH BASIN SILT SACK DETAIL
NOT TO SCALE



SILT FENCE & HAY-BALES DETAIL
NOT TO SCALE



TYPICAL PRECAST CONCRETE MANHOLE DETAILS
NOT TO SCALE



TYPICAL BUILDING SEWER SERVICE CONNECTION
NOT TO SCALE

OWNER
NOTWEN REALTY TRUST
33 FRUIT STREET
NORFOLK, MA 02056

APPLICANT
STRATEGIC LAND VENTURES
257 HILLSIDE AVENUE
NEEDHAM, MA 02494

MAP AND PARCEL
MAP 41
PARCEL 35 & 35-1

ZONING DISTRICT
AGRICULTURAL RESIDENTIAL 1
GROUNDWATER PROTECTION
(PORTION OF SITE)



Digitally signed by Daniel J. Merrikin, P.E.
Date: 2019.05.29 17:29:58 -04'00'

PLAN SCALE: NOT TO SCALE

ORIGINAL PLAN PREPARED BY MERRIKIN ENGINEERING, LLP

PLAN DATE: OCTOBER 11, 2018

REVISION	DATE	BY
2018-11-30	D.J.M.	
2019-03-10	D.J.M.	
2019-05-29	D.J.M.	

REVISIONS PER TOWN COMMENTS:
UPDATES FOR CONE PERMIT APPLICATION
REVISIONS PER TOWN COMMENTS

39 MAIN STREET
DETAILS
PLAN OF LAND
IN
MEDWAY, MA

730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)
C-12



LEGACY
ENGINEERING