

**Legend of Symbols & Abbreviations**

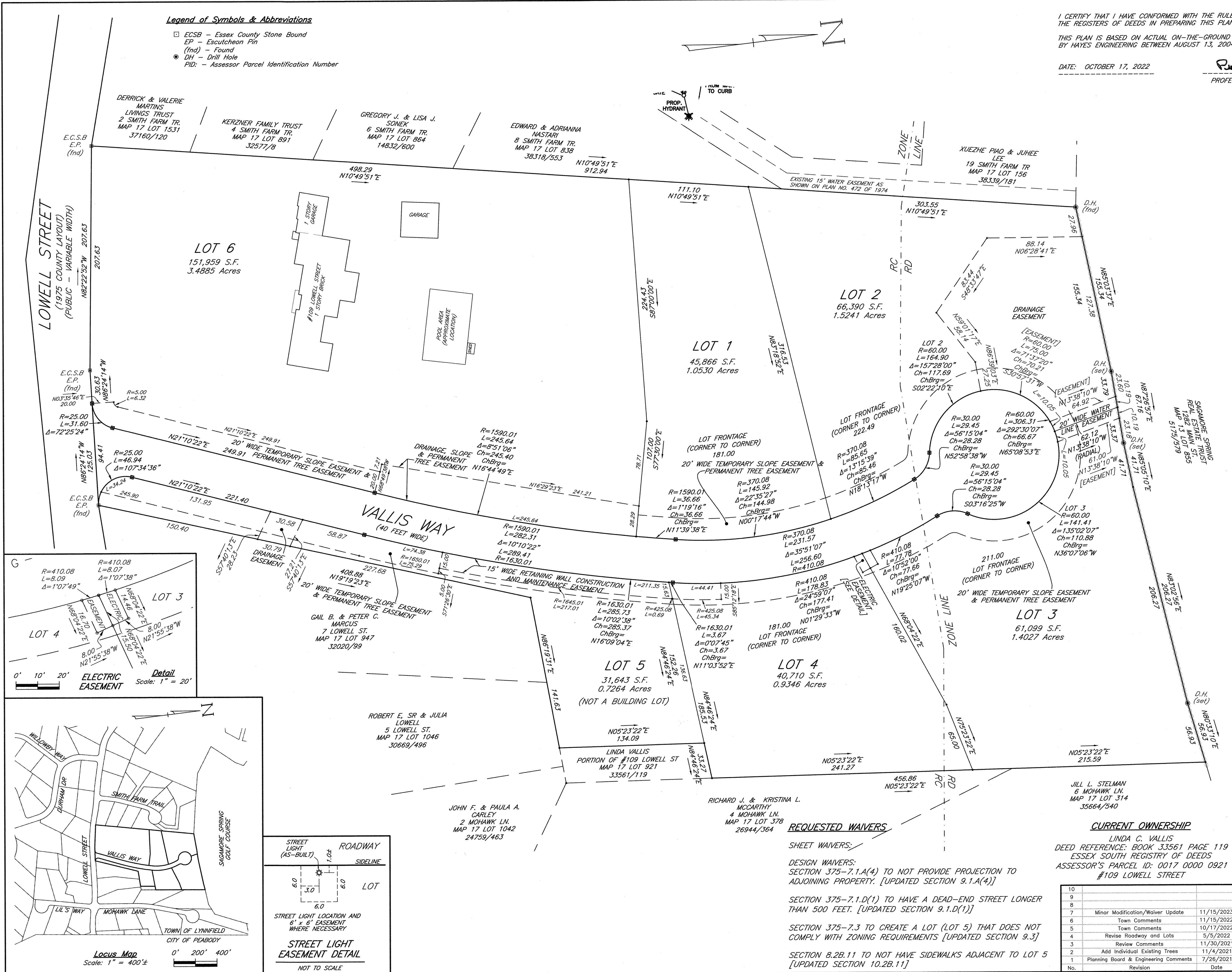
- ECSB - Essex County Stone Bound
- EP - Escutcheon Pin
- (Ind) - Found
- DH - Drill Hole
- PID: - Assessor Parcel Identification Number

I CERTIFY THAT I HAVE CONFORMED WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS IN PREPARING THIS PLAN.

THIS PLAN IS BASED ON ACTUAL ON-THE-GROUND FIELD SURVEYS CONDUCTED BY HAYES ENGINEERING BETWEEN AUGUST 13, 2004 AND OCTOBER 3, 2022.

DATE: OCTOBER 17, 2022

*Paul M. Hayes*  
PROFESSIONAL LAND SURVEYOR



CLERK'S CERTIFICATION ON THE PLAN

DATE: \_\_\_\_\_

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

TOWN CLERK

ZONING DISTRICT: SINGLE RESIDENCE C & D

**RESIDENCE C**  
MINIMUM LOT AREA = 40,000 S.F.  
MINIMUM LOT FRONTAGE = 180 FEET  
MINIMUM LOT WIDTH = 144 FEET (80% OF FRONTAGE)  
MAXIMUM PERMITTED LOT COVERAGE = 35%  
LOT SHAPE = NOT > 20° FROM PERPENDICULAR FOR A DISTANCE OF AT LEAST 30% OF THE FRONTAGE (54 FEET)  
PERMITTED LOT COVERAGE = 35%

**MINIMUM SETBACKS:**  
FRONT = 40 FEET  
SIDES = 25 FEET  
REAR = 20 FEET

**RESIDENCE D**  
MINIMUM LOT AREA = 60,000 S.F.  
MINIMUM LOT FRONTAGE = 210 FEET (CORNER TO CORNER)  
MINIMUM LOT WIDTH = 168 FEET (80% FRONTAGE)  
MAXIMUM PERMITTED LOT COVERAGE = 35%  
LOT SHAPE = NOT > 20° FROM PERPENDICULAR FOR A DISTANCE OF AT LEAST 30% OF THE FRONTAGE (63 FEET)  
PERMITTED LOT COVERAGE = 35%

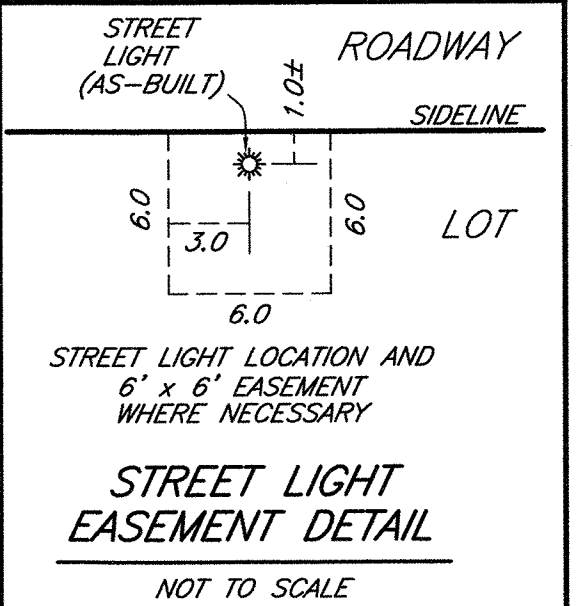
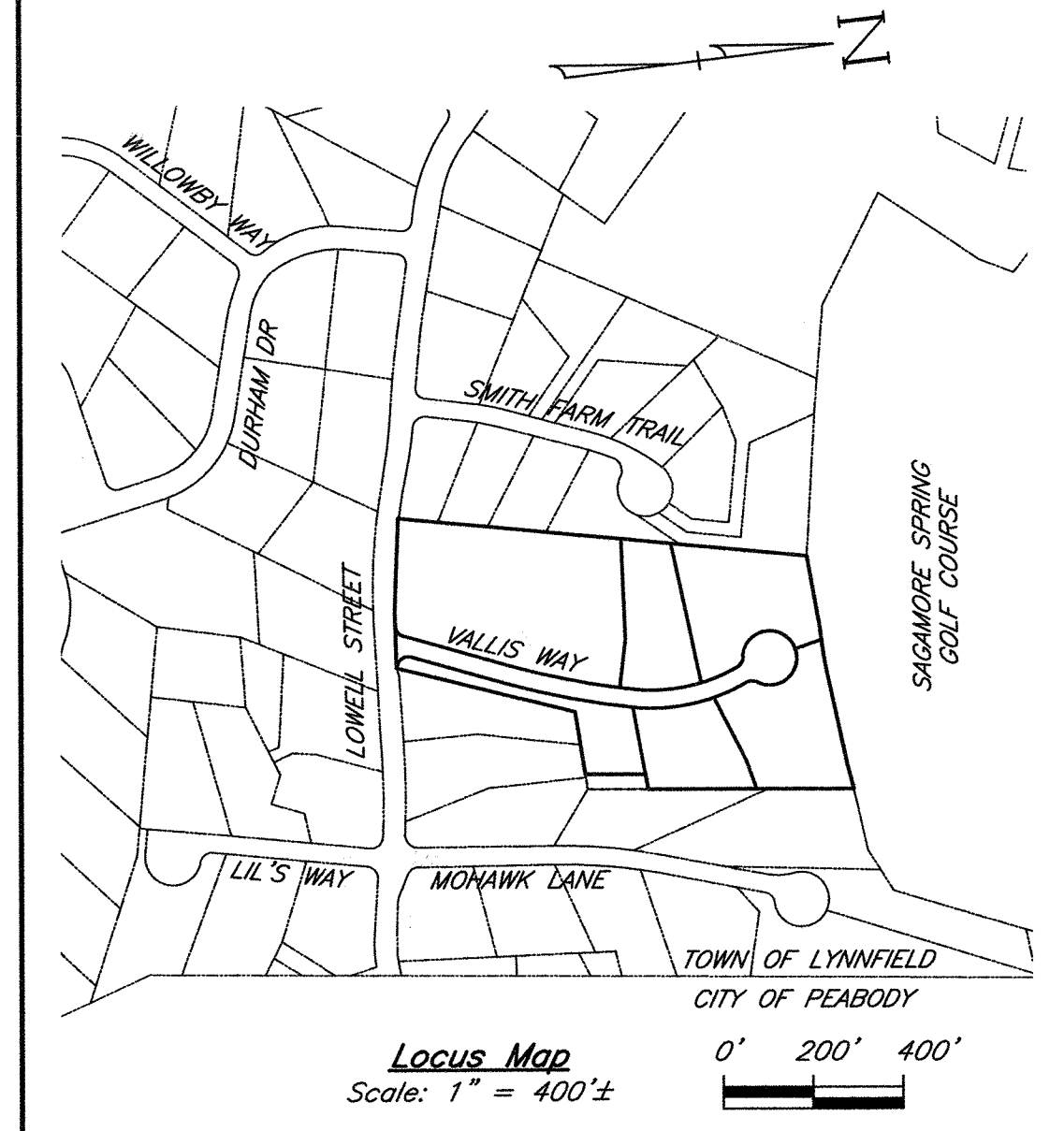
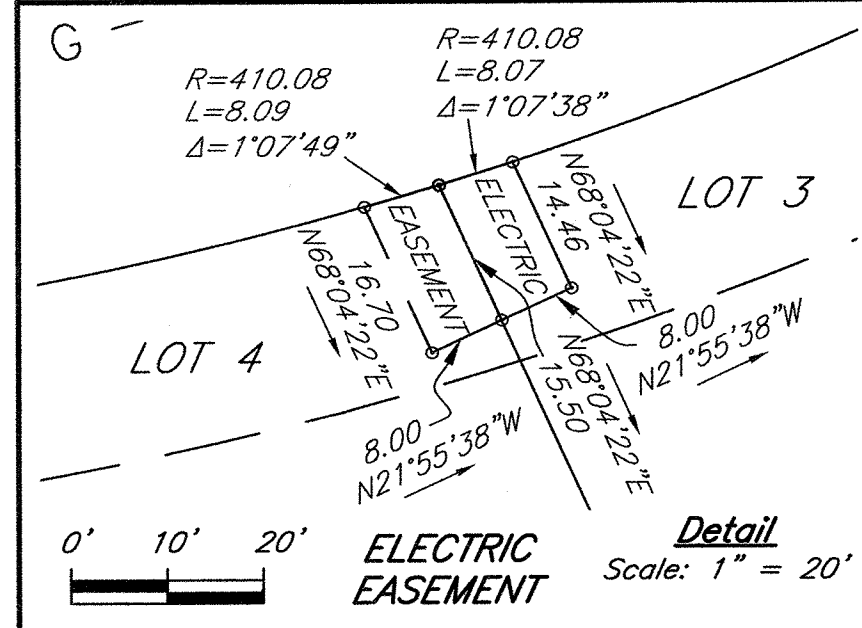
**MINIMUM SETBACKS:**  
FRONT = 40 FEET (60 FEET FROM STREET CENTERLINE)  
SIDE = 30 FEET  
REAR = 20 FEET

DATUM IS NAVD88

NOTE: PROPERTY IS LOCATED WITHIN THE GROUNDWATER PROTECTION DISTRICT.

MAXIMUM IMPERVIOUS = 15%

□ - DENOTES STONE BOUND TO BE SET BY OWNER UNLESS OTHERWISE NOTED.  
(TO BE SUPERVISED BY A MASSACHUSETTS PROFESSIONAL LAND SURVEYOR)



**REQUESTED WAIVERS**

- SHEET WAIVERS:**
- DESIGN WAIVERS: SECTION 375-7.1.A(4) TO NOT PROVIDE PROJECTION TO ADJOINING PROPERTY. [UPDATED SECTION 9.1.A(4)]
  - SECTION 375-7.1.D(1) TO HAVE A DEAD-END STREET LONGER THAN 500 FEET. [UPDATED SECTION 9.1.D(1)]
  - SECTION 375-7.3 TO CREATE A LOT (LOT 5) THAT DOES NOT COMPLY WITH ZONING REQUIREMENTS [UPDATED SECTION 9.3]
  - SECTION 8.2B.11 TO NOT HAVE SIDEWALKS ADJACENT TO LOT 5 [UPDATED SECTION 10.2B.11]

**CURRENT OWNERSHIP**

LINDA C. VALLIS  
DEED REFERENCE: BOOK 33561 PAGE 119  
ESSEX SOUTH REGISTRY OF DEEDS  
ASSESSOR'S PARCEL ID: 0017 0000 0921  
#109 LOWELL STREET

No.	Revision	Date
10		
9		
8		
7	Minor Modification/Waiver Update	11/15/2023
6	Town Comments	11/15/2022
5	Town Comments	10/17/2022
4	Revise Roadway and Lots	5/5/2022
3	Review Comments	11/30/2021
2	Add Individual Existing Trees	11/4/2021
1	Planning Board & Engineering Comments	7/26/2021

**LOTING PLAN**

Seal: *Peter J. Hayes*

**DEFINITIVE PLAN**  
VALLIS WAY  
LYNNFIELD, MASS.  
ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS  
109 LOWELL STREET  
LYNNFIELD, MA 01940

APPLICANT: PAUL CAGGIANO  
26666 SEAGUL WAY, UNIT C201  
MALIBU, CA 90265-4529

Engineer: Hayes Engineering, Inc.  
603 Salem Street  
Wakefield, Mass. 01880  
www.hayeseng.com

Scale: 1" = 40'

LYNNFIELD PLANNING BOARD

Application Filed: \_\_\_\_\_  
Final Plan Filed: \_\_\_\_\_  
Hearing Date: \_\_\_\_\_  
Plan Approved: \_\_\_\_\_  
Plan Signed: \_\_\_\_\_

DEFINITIVE SHEET 1 OF 1  
SET SHEET 1 OF 10

April 12, 2021

I CERTIFY THAT I HAVE CONFORMED WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS IN PREPARING THIS PLAN.

HAYES ENGINEERING, INC.

**TREE ABBREVIATIONS:**  
 O - OAK  
 M - MAPLE  
 P - PINE  
 H - HICKORY  
 C - CEDAR  
 RC - RED CHERRY

**CURRENT OWNERSHIP**

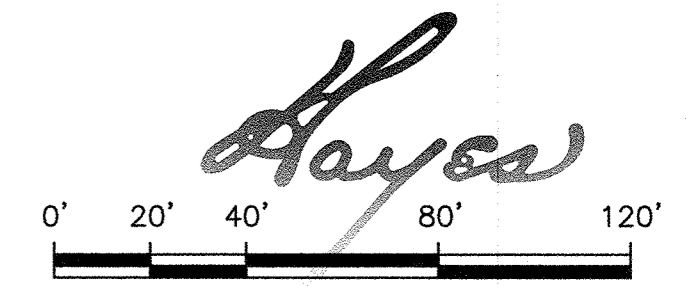
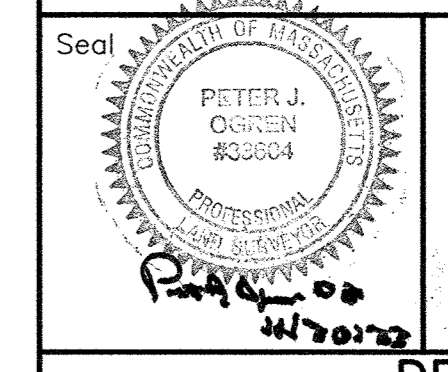
LINDA C. VALLIS  
 DEED REFERENCE: BOOK 33561 PAGE 119 ESSEX SOUTH  
 REGISTRY OF DEEDS  
 ASSESSOR'S PARCEL ID: 0017-0000-0921  
 #109 LOWELL STREET

**REQUESTED WAIVERS**

**SHEET WAIVERS:**  
 SECTION 375-6.4.B.(1) TO SHOW ONE FOOT CONTOURS IN PLACE OF TWO FOOT CONTOURS. [UPDATED SECTION 6.4.B.(1)]  
 SECTION 375-6.4.B.(4) TO NOT SHOW SLOPES STEEPER THAN 15%. [UPDATED SECTION 6.4.B.(4)]

NO WETLANDS ARE LOCATED WITHIN 150 FEET OF THE PROPOSED SUBDIVISION OR WITHIN 150 FEET OF ANY WORK BASED ON AN EXAMINATION OF THE CONDITIONS ON THE GROUND BY A QUALIFIED WETLAND SCIENTIST.

**EXISTING CONDITIONS PLAN**



**DEFINITIVE PLAN  
 VALLIS WAY  
 LYNNFIELD, MASS.  
 ASSESSORS MAP 17 LOT 921**

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
 APPLICANT: PAUL CAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529  
 Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01880, www.hayeseng.com

Scale: 1"=40' April 12, 2021

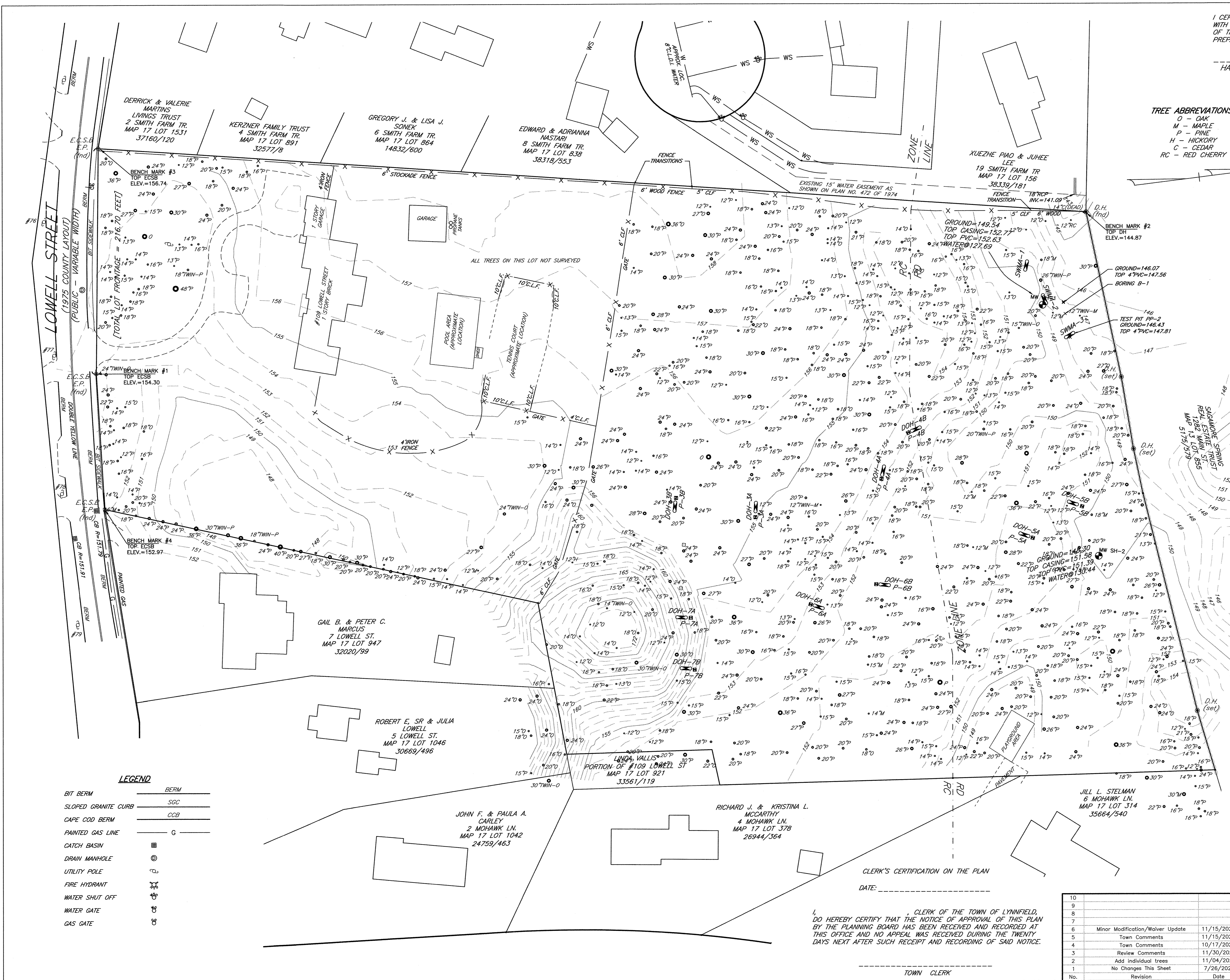
LYNNFIELD PLANNING BOARD	Application Filed: _____
	Final Plan Filed: _____
	Hearing Date: _____
	Plan Approved: _____
	Plan Signed: _____
EXISTING SHEET 1 OF 1	
SET SHEET 2 OF 10	

CLERK'S CERTIFICATION ON THE PLAN  
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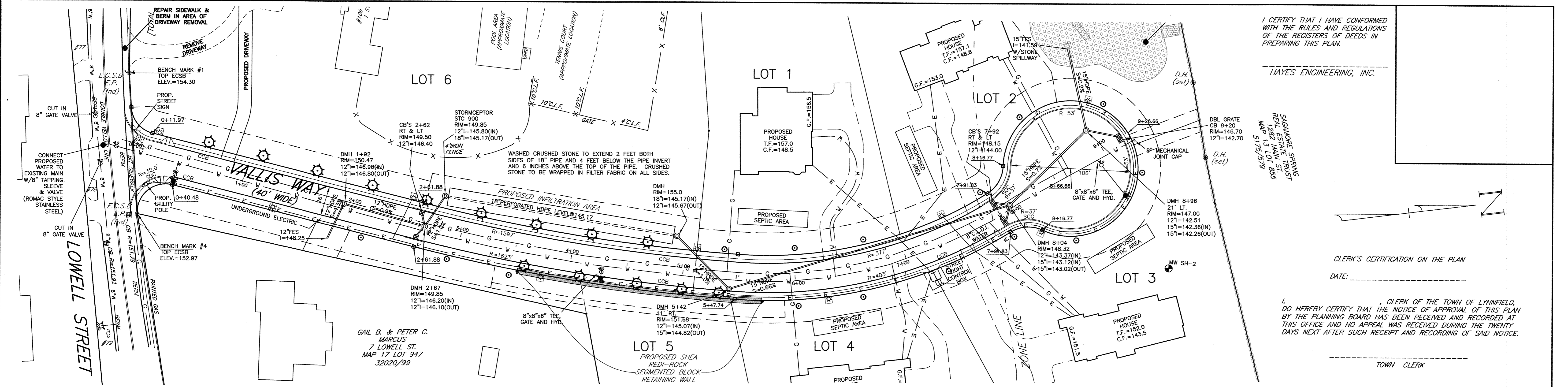
TOWN CLERK

10		
9		
8		
7	Minor Modification/Waiver Update	11/15/2023
6	Town Comments	11/15/2022
5	Town Comments	10/17/2022
4	Review Comments	11/30/2021
3	Add individual trees	11/04/2021
2	No Changes This Sheet	7/26/2021
1	Revision	Date



**LEGEND**

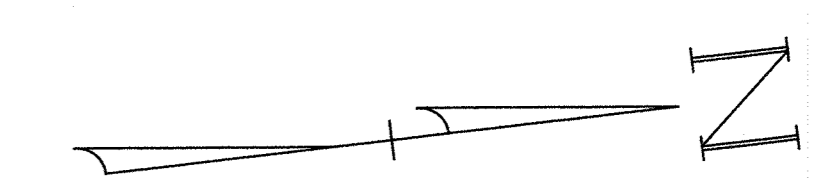
- BIT BERM
- SLOPED GRANITE CURB
- CAPE COD BERM
- PAINTED GAS LINE
- CATCH BASIN
- DRAIN MANHOLE
- UTILITY POLE
- FIRE HYDRANT
- WATER SHUT OFF
- WATER GATE
- GAS GATE



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HAYES ENGINEERING, INC.

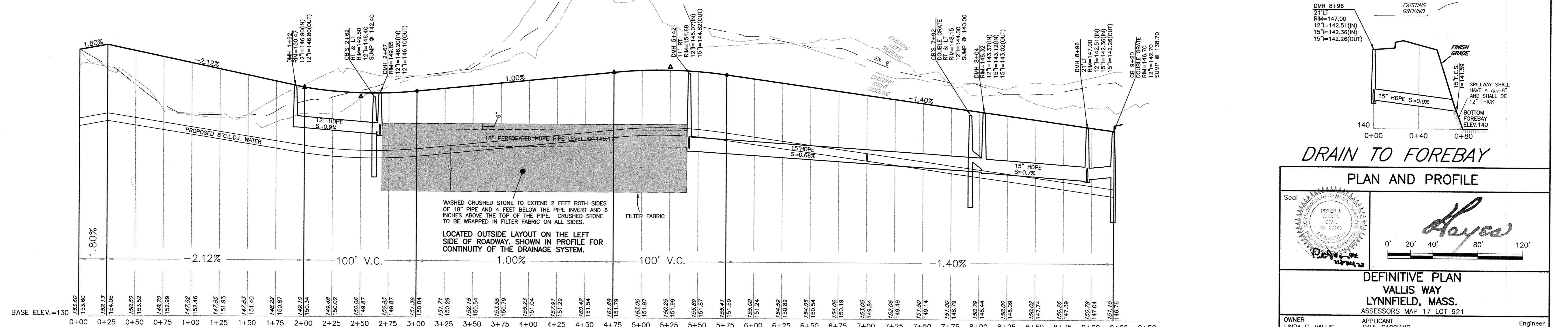
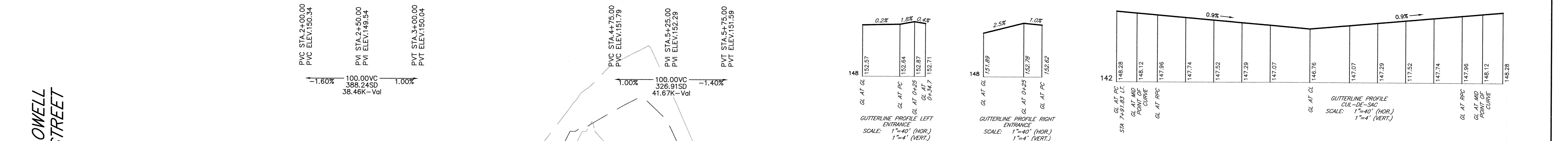
SKIDMORE SPRING  
REAL ESTATE TRUST  
1082 MAIN ST  
MAP 13 LOT 895  
5175/979



CLERK'S CERTIFICATION ON THE PLAN  
DATE: \_\_\_\_\_

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BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT  
THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY  
DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK



PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR ANY PARTICULAR HOME ON A LOT, THE LOT OWNER WILL RETAIN THE SERVICES OF A MASSACHUSETTS LICENSED SOIL EVALUATOR TO PERFORM SOIL TEST PITS WITNESSED BY THE TOWN ENGINEER IN THE LOCATIONS OF THE PROPOSED ROOF DRAINAGE SYSTEM(S) TO DETERMINE THE SOIL TYPES AND ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATIONS AND RETAIN THE SERVICES OF A MASSACHUSETTS REGISTERED PROFESSIONAL CIVIL ENGINEER TO DESIGN THE ROOF DRAINAGE INFILTRATION SYSTEMS TO COLLECT AND FULLY INFILTRATE THE TOTAL RUNOFF VOLUME FROM THE ROOF OF THE HOME AND GARAGE AS WELL AS ANY ACCESSORY STRUCTURES INTO THE GROUND FOR A 100 YEAR STORM AS DETERMINED BY THE TOWN ENGINEER AND THE DESIGN SHALL BE PERFORMED SET FORTH IN THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION STORMWATER HANDBOOK. THE BOTTOM OF THE SYSTEMS SHALL BE A MINIMUM OF 2 FEET ABOVE THE ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (IF THE STATIC DESIGN METHOD IS USED OR 4 FEET IF ANY OF THE DYNAMIC DESIGN METHODS ARE USED). A MONITORING WELL SHALL BE PROVIDED FOR EACH SYSTEM AND THE COMPLETED DESIGN SHALL BE REVIEWED AND APPROVED BY THE TOWN ENGINEER PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND THE INSTALLATION SHALL BE INSPECTED BY THE TOWN ENGINEER WHEN EXCAVATED TO SUBGRADE WHEN THE INSTALLATION IS COMPLETE (PRIOR TO BACKFILL) AND WHEN THE BACKFILL AND PIPING IS COMPLETE. AN AS-BUILT PLAN OF THE SYSTEM SHALL BE PROVIDED WHEN THE INSTALLATION IS COMPLETED.

**REQUESTED WAIVERS**

DESIGN WAIVERS:

375-8.3.B.(1) TO USE PERFORATED HDPE PIPE FOR DRAINAGE. [UPDATED SECTION 10.3.B.(1)]

SECTION 8.2B.11 TO NOT HAVE SIDEWALKS ADJACENT TO LOT 5 [UPDATED SECTION 10.2B.11]

NOTE: THIS PLAN IS BASED UPON AN ACTUAL SURVEY BY HAYES ENGINEERING, INC. BETWEEN DECEMBER 16, 1982 AND NOVEMBER 19, 2016.

SEE A PLAN ENTITLED "PLAN OF LAND #109 LOWELL STREET" BY HAYES ENGINEERING, INC. DATED JULY 22, 2020.

NO WETLANDS ARE LOCATED WITHIN 150 FEET OF THE PROPOSED SUBDIVISION OR WITHIN 150 FEET OF ANY WORK BASED ON AN EXAMINATION OF THE CONDITIONS ON THE GROUND BY A QUALIFIED WETLAND SCIENTIST.

**DRAIN TO FOREBAY**  
PLAN AND PROFILE

Seal of Peter J. Hayes, Professional Engineer, License No. 27145.

Scale: 1" = 40'

**DEFINITIVE PLAN**  
VALLIS WAY  
LYNNFIELD, MASS.  
ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940

APPLICANT: PAUL GAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529

Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01880, www.hoyeseng.com

Scale: 1" = 40'      April 12, 2021

10		
9		
8		
7		
6	Minor Modification/Waiver Update	11/15/2023
5	Town Comments	11/15/2022
4	Town Comments	10/17/2022
3	Review Comments	11/30/2021
2	No Changes this Sheet	11/4/2021
1	Planning Board & Engineering Comments	7/26/2021
No.	Revision	Date

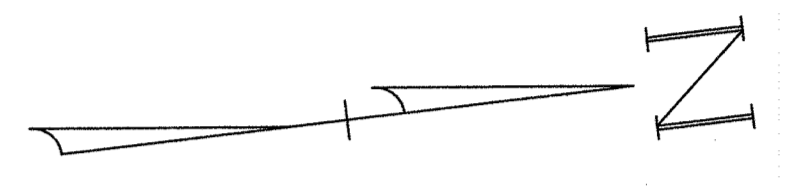
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HAYES ENGINEERING, INC.

NO WETLANDS ARE LOCATED WITHIN 150 FEET OF THE PROPOSED SUBDIVISION OR WITHIN 150 FEET OF ANY WORK BASED ON AN EXAMINATION OF THE CONDITIONS ON THE GROUND BY A QUALIFIED WETLAND SCIENTIST.

NOTE: SEPTIC SYSTEM DESIGN CRITERIA AND SOIL TESTING MUST BE WITNESSED AND APPROVED BY THE BOARD OF HEALTH.

WATER SERVICES TO HOUSES TO BE 1".



CLERK'S CERTIFICATION ON THE PLAN

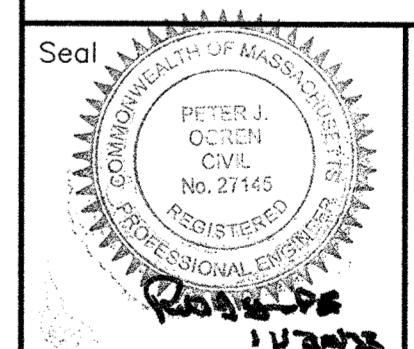
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TOWN CLERK

PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR ANY PARTICULAR HOME ON A LOT, THE LOT OWNER WILL RETAIN THE SERVICES OF A MASSACHUSETTS LICENSED SOIL EVALUATOR TO PERFORM SOIL TEST PITS WITNESSED BY THE TOWN ENGINEER IN THE LOCATIONS OF THE PROPOSED ROOF DRAINAGE SYSTEM(S) TO DETERMINE THE SOIL TYPES AND ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATIONS AND RETAIN THE SERVICES OF A MASSACHUSETTS REGISTERED PROFESSIONAL CIVIL ENGINEER TO DESIGN THE ROOF DRAINAGE INFILTRATION SYSTEMS TO COLLECT AND FULLY INFILTRATE THE TOTAL RUNOFF VOLUME FROM THE ROOF OF THE HOME AND GARAGE AS WELL AS ANY ACCESSORY STRUCTURES INTO THE GROUND FOR A 100 YEAR STORM AS DETERMINED BY THE TOWN ENGINEER AND THE DESIGN SHALL BE PERFORMED SET FORTH IN THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION STORMWATER HANDBOOK. THE BOTTOM OF THE SYSTEMS SHALL BE A MINIMUM OF 2 FEET ABOVE THE ESTIMATED SEASONAL HIGH GROUNDWATER TABLE. IF THE STATIC DESIGN METHOD IS USED OR 4 FEET IF ANY OF THE DYNAMIC DESIGN METHODS ARE USED). A MONITORING WELL SHALL BE PROVIDED FOR EACH SYSTEM AND THE COMPLETED DESIGN SHALL BE REVIEWED AND APPROVED BY THE TOWN ENGINEER PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND THE INSTALLATION SHALL BE INSPECTED BY THE TOWN ENGINEER WHEN EXCAVATED TO SUBGRADE, WHEN THE INSTALLATION IS COMPLETE (PRIOR TO BACKFILL) AND WHEN THE BACKFILL AND PIPING IS COMPLETE. AN AS-BUILT PLAN OF THE SYSTEM SHALL BE PROVIDED WHEN THE INSTALLATION IS COMPLETED.

TOPOGRAPHIC PLAN



Signature of Peter J. Hayes  
Scale: 0' 20' 40' 80' 120'

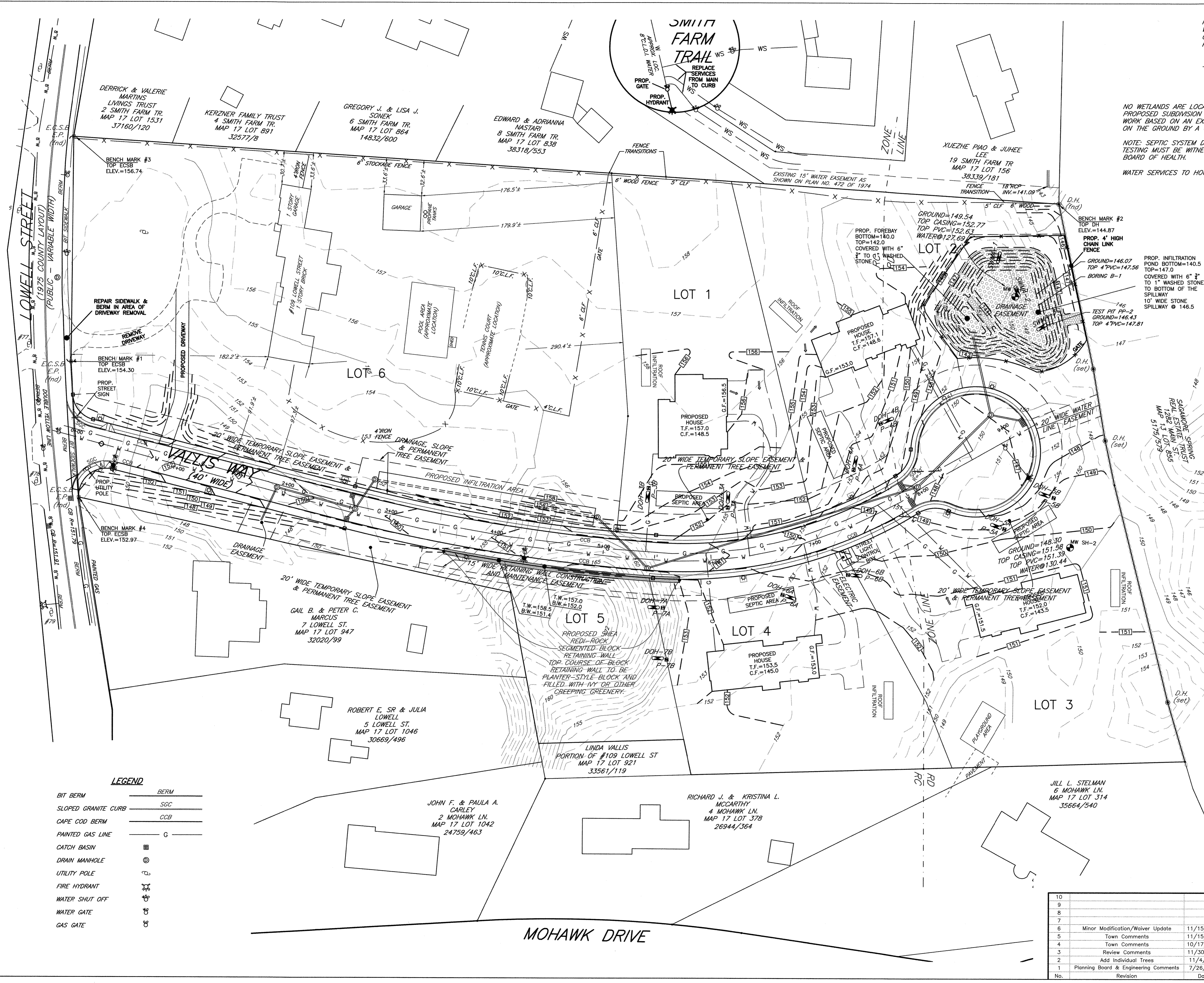
DEFINITIVE PLAN  
VALLIS WAY  
LYNNFIELD, MASS.  
ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
APPLICANT: PAUL CAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529  
Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01880, www.hayeseng.com

Scale: 1" = 40' April 12, 2021

Table with columns for Application Filed, Final Plan Filed, Hearing Date, Plan Approved, and Plan Signed. Includes a revision table with columns for No., Revision, and Date.

TOPOGRAPHIC SHEET 1 OF 2  
SET SHEET 4 OF 10

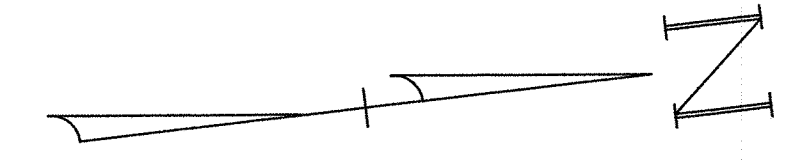


LEGEND table listing symbols for BIT BERM, SLOPED GRANITE CURB, CAPE COD BERM, PAINTED GAS LINE, CATCH BASIN, DRAIN MANHOLE, UTILITY POLE, FIRE HYDRANT, WATER SHUT OFF, WATER GATE, and GAS GATE.

MOHAWK DRIVE

I CERTIFY THAT I HAVE CONFORMED WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS IN PREPARING THIS PLAN.

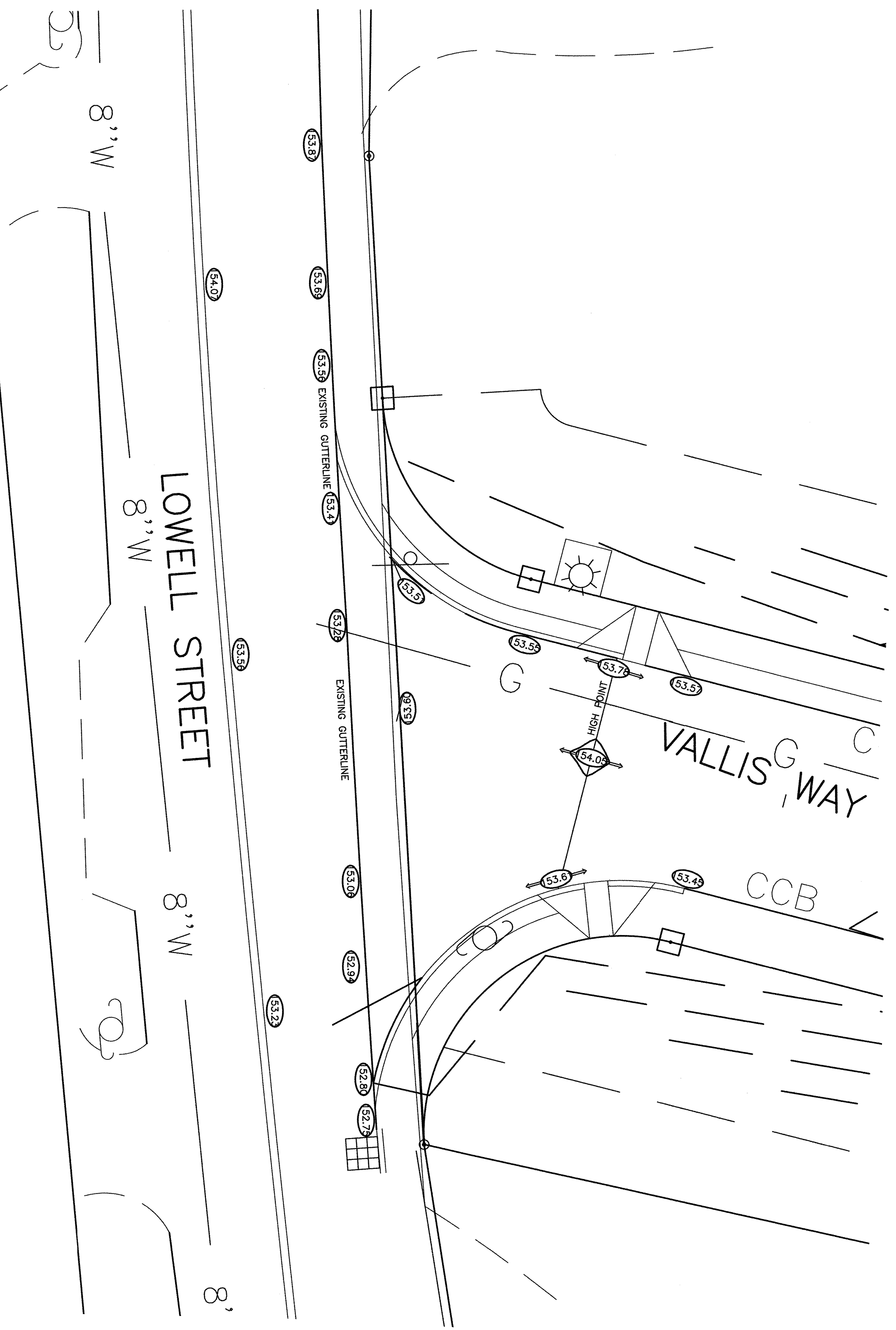
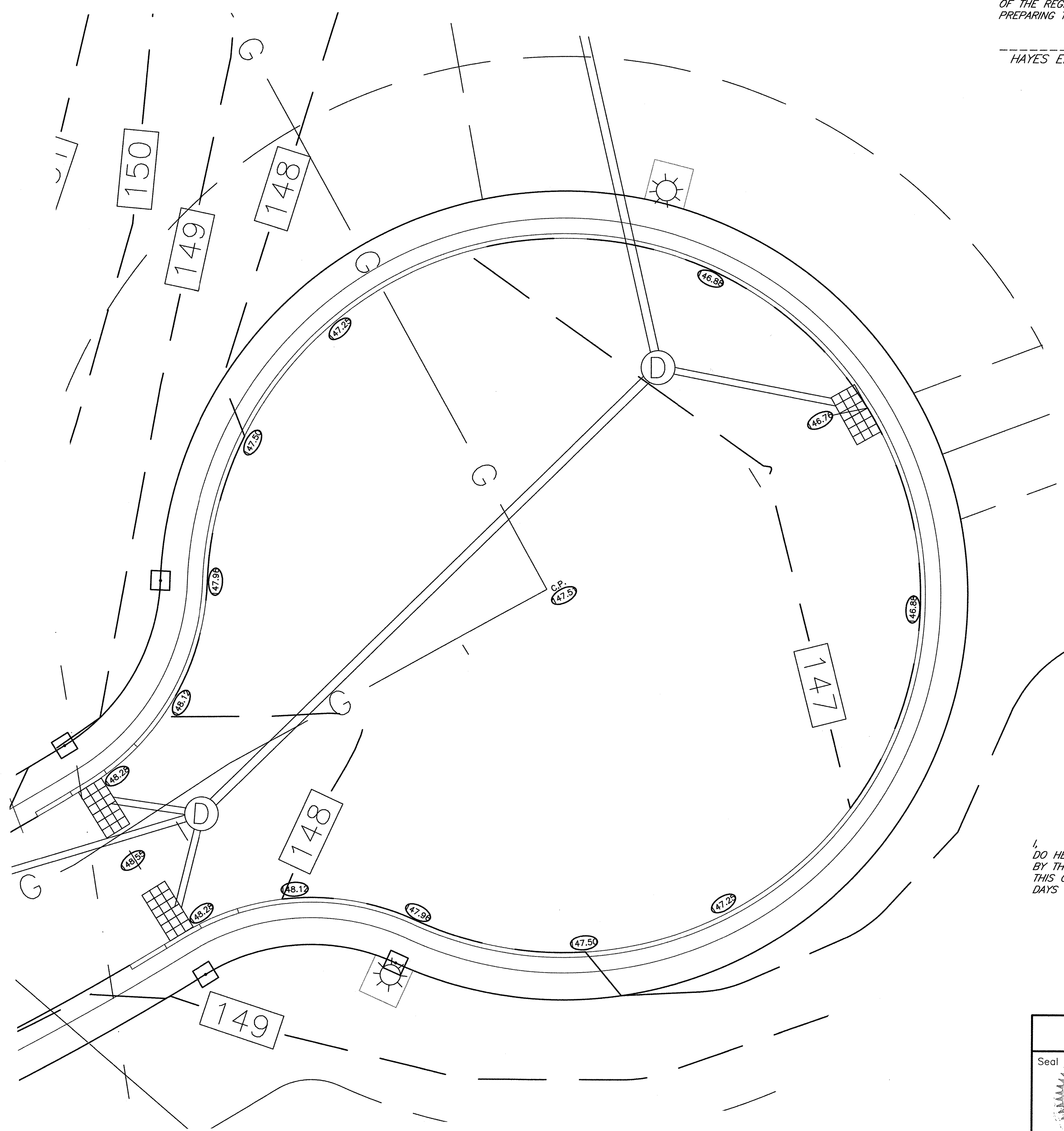
HAYES ENGINEERING, INC.



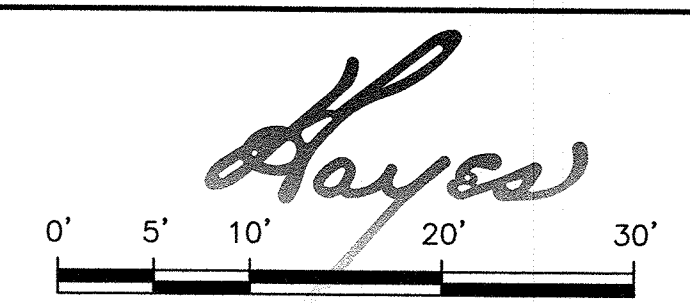
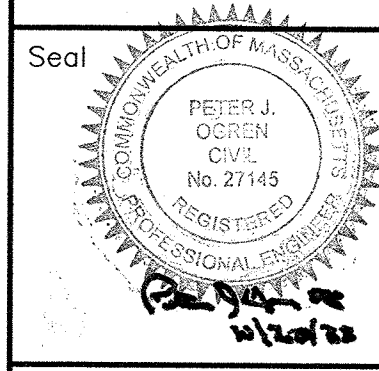
CLERK'S CERTIFICATION ON THE PLAN  
DATE: \_\_\_\_\_

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\_\_\_\_\_  
TOWN CLERK



TOPOGRAPHIC PLAN



DEFINITIVE PLAN  
VALLIS WAY  
LYNNFIELD, MASS.  
ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
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Scale: 1"=10' April 12, 2021

10		
9		
8		
7		
6	Minor Modification/Waiver Update	11/15/2023
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LYNNFIELD PLANNING BOARD

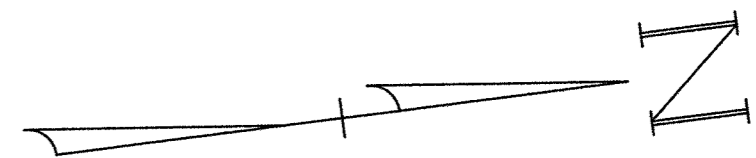
Application Filed: _____
Final Plan Filed: _____
Hearing Date: _____
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Plan Signed: _____
TOPOGRAPHIC SHEET 2 OF 2
SET SHEET 5 OF 10

LEGEND

- BIT BERM BERM
- SLOPED GRANITE CURB SGC
- CAPE COD BERM CCB
- PAINTED GAS LINE G
- CATCH BASIN
- DRAIN MANHOLE
- UTILITY POLE
- FIRE HYDRANT
- WATER SHUT OFF
- WATER GATE
- GAS GATE

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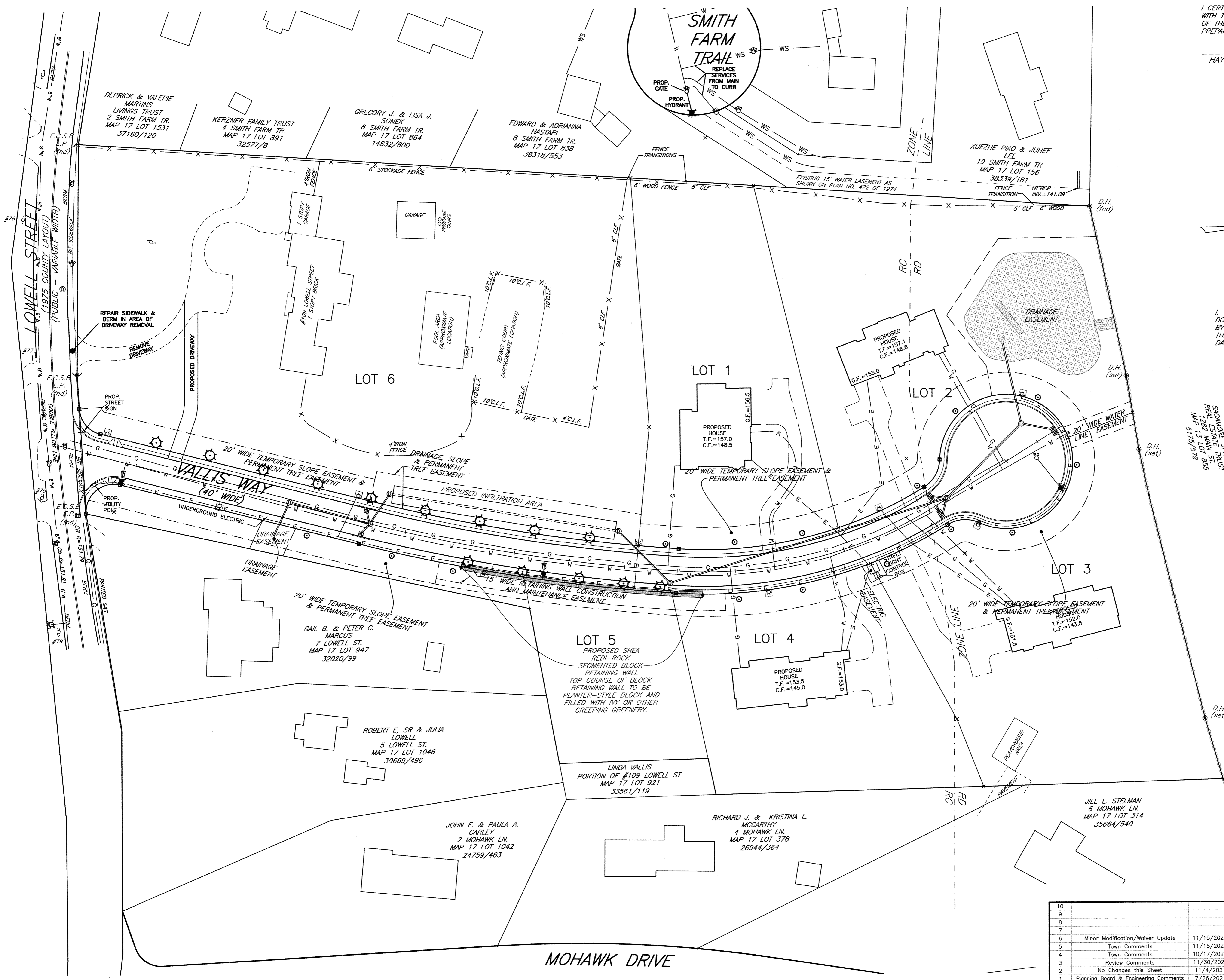


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TOWN CLERK

SAGAMORE SPRING  
REAL ESTATE TRUST  
1284 S. LOT 885  
MAP 5176/519



**STREET LIGHTING PLAN**

0' 20' 40' 80' 120'

**DEFINITIVE PLAN**  
**VALLIS WAY**  
**LYNNFIELD, MASS.**  
ASSESSORS MAP 17 LOT 921

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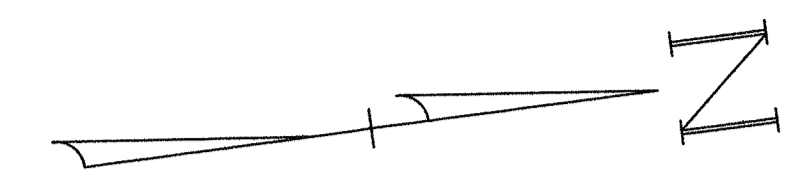
Scale: 1"=40' April 12, 2021

LYNNFIELD PLANNING BOARD		Application Filed: _____
		Final Plan Filed: _____
		Hearing Date: _____
		Plan Approved: _____
		Plan Signed: _____
<b>LIGHTING SHEET 1 OF 1</b>		
<b>SET SHEET 6 OF 10</b>		

10		
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HAYES ENGINEERING, INC.



NOTE: ALL DISTURBED AREAS TO BE LANDSCAPED OR HYDROSEEDING  
 ALL CATCH BASINS (INCLUDING CATCH BASINS ON LOWELL STREET) TO BE FITTED WITH SILTSACKS UNTIL THE ENTIRE SITE IS STABILIZED.  
 SEE OPPP IN THE STORMWATER REPORT FOR OPERATIONAL DETAILS.

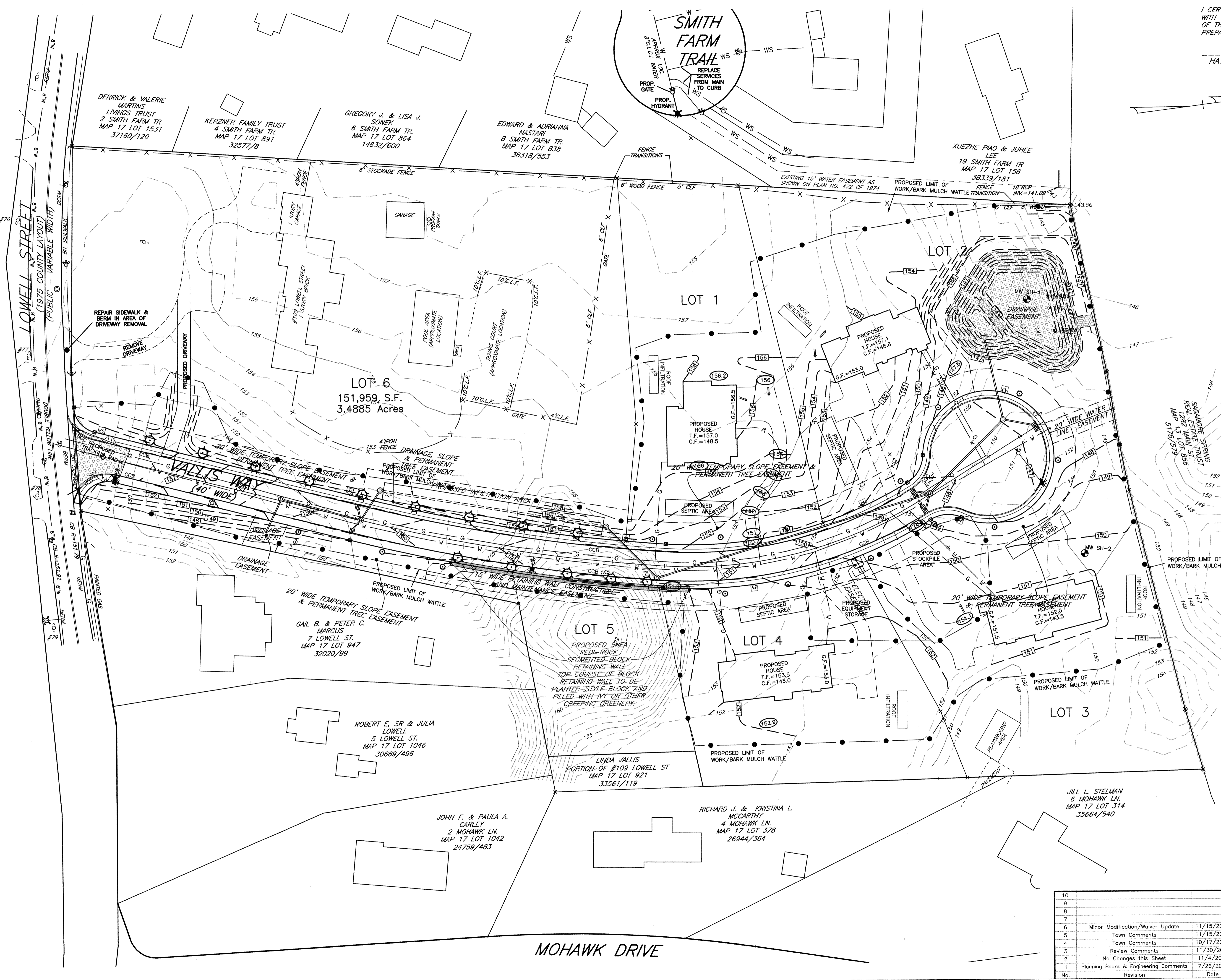
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CLERK'S CERTIFICATION ON THE PLAN

DATE: \_\_\_\_\_

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

TOWN CLERK



**EROSION CONTROL PLAN**

Seal:

*Hayes*

0' 20' 40' 80' 120'

**DEFINITIVE PLAN**  
**VALLIS WAY**  
**LYNNFIELD, MASS.**  
 ASSESSORS MAP 17 LOT 921

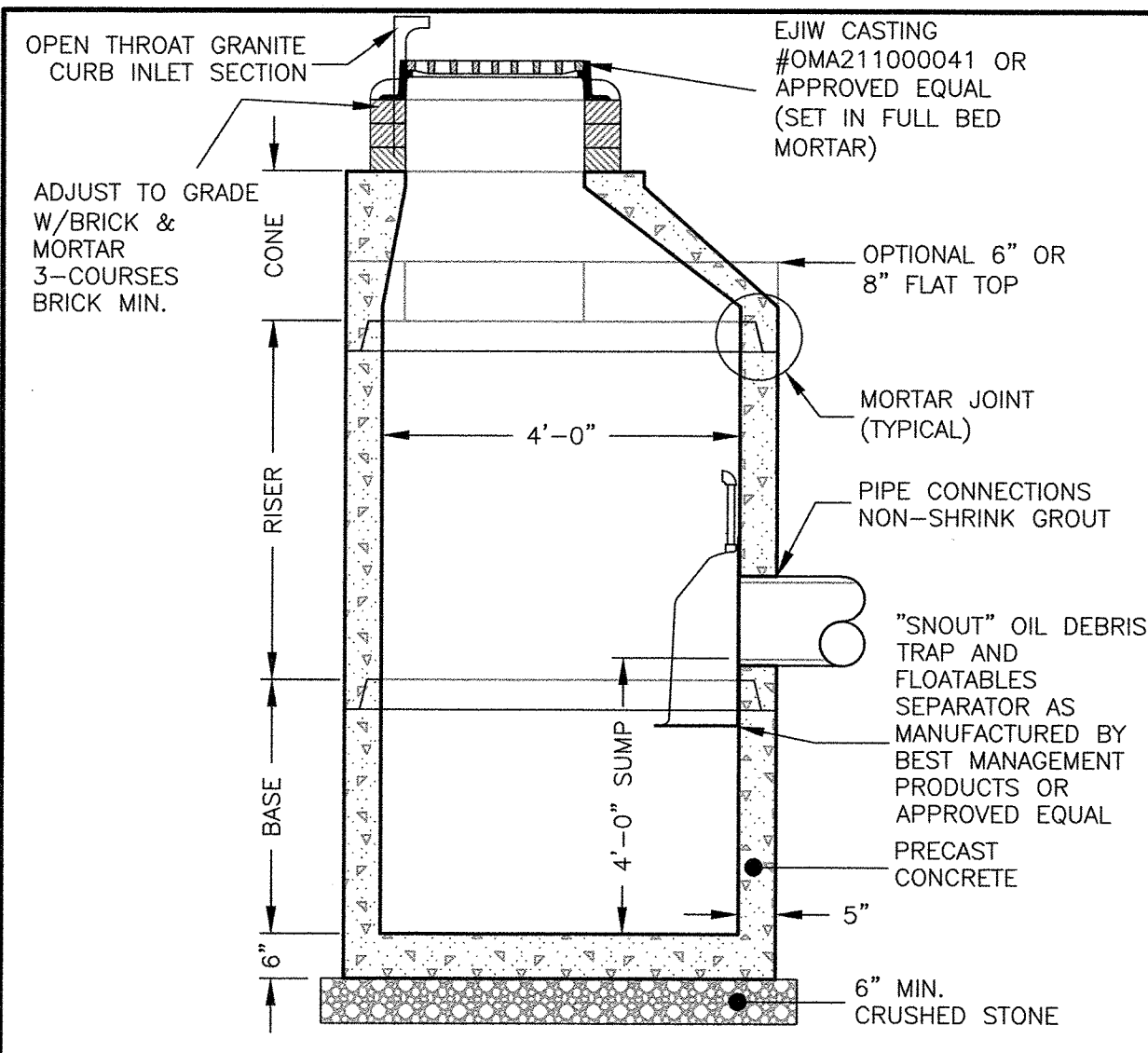
OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
 APPLICANT: PAUL CAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529  
 Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01880, www.hayeseng.com

Scale: 1"=40' April 12, 2021

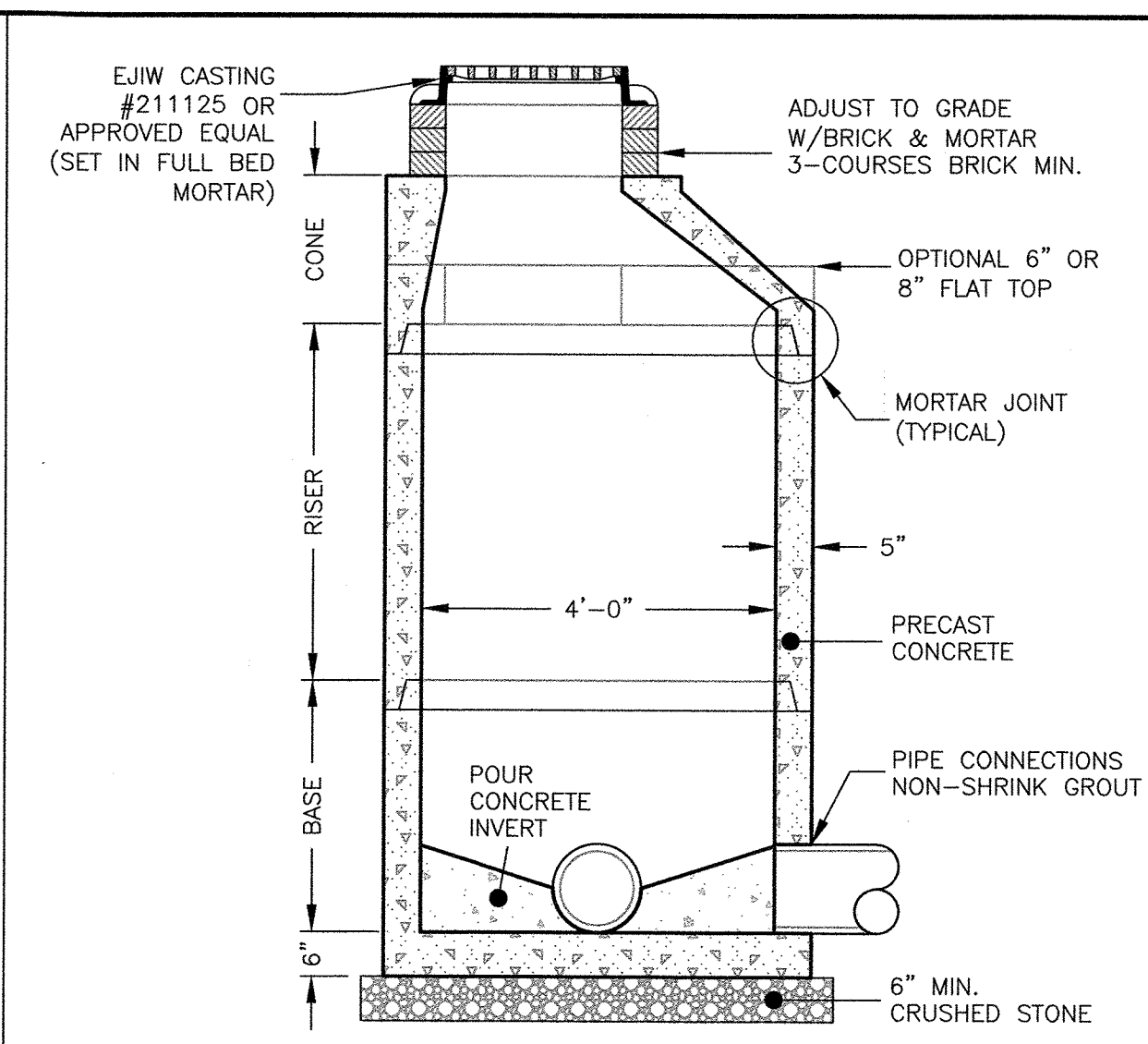
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7	Minor Modification/Waiver Update	11/15/2023
6	Town Comments	11/15/2022
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4	Review Comments	11/30/2021
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2	Planning Board & Engineering Comments	7/26/2021
1		
No.	Revision	Date

LYNNFIELD PLANNING BOARD	Application Filed: _____
	Final Plan Filed: _____
	Hearing Date: _____
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EROSION SHEET 1 OF 1	
SET SHEET 7 OF 10	

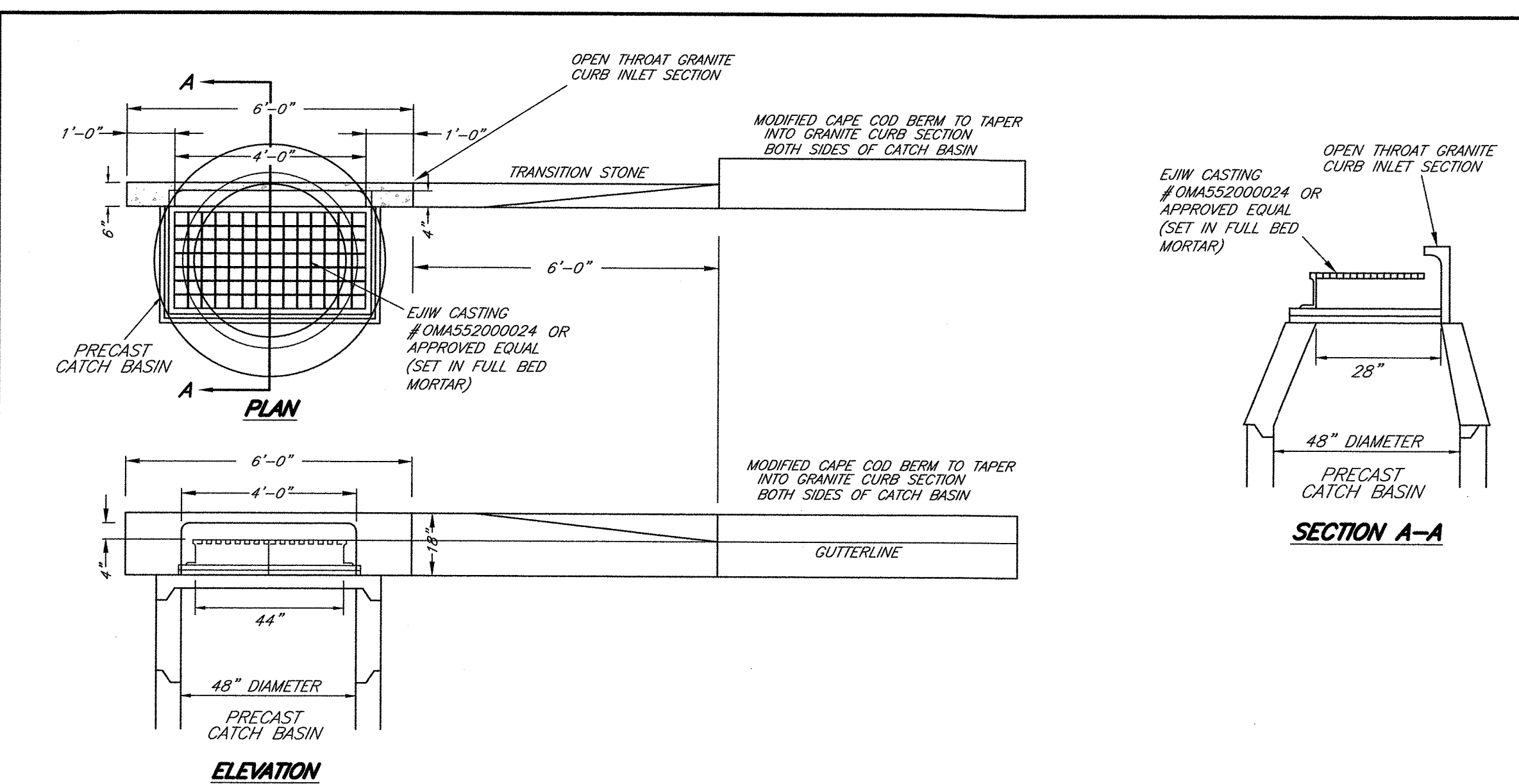
MOHAWK DRIVE



NOTES:  
 1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.  
 2. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.  
 3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."



NOTES:  
 1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.  
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 3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."



I CERTIFY THAT I HAVE CONFORMED WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS IN PREPARING THIS PLAN.

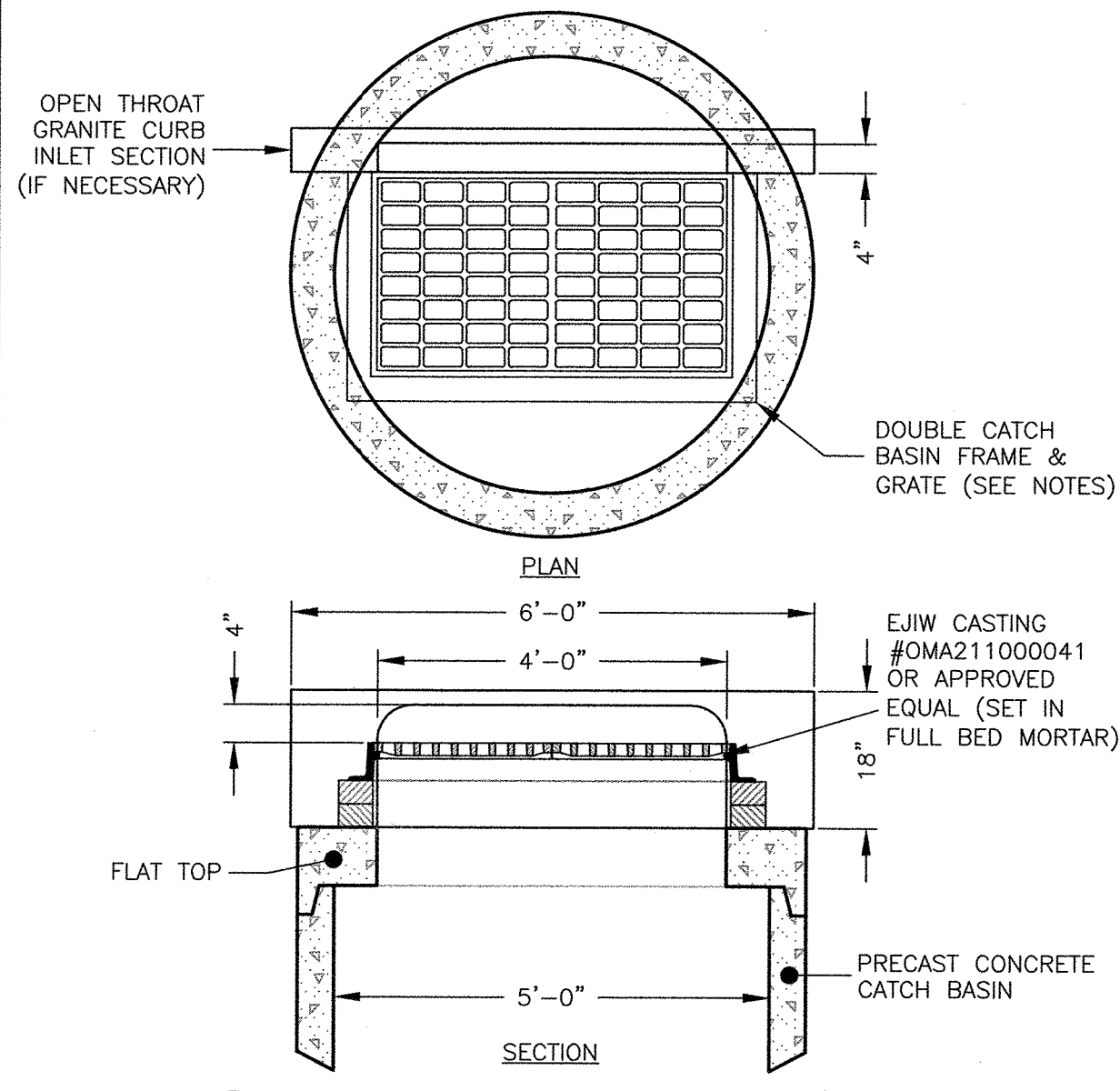
HAYES ENGINEERING, INC.

**REQUESTED WAIVERS**  
 PLAN WAIVERS: TO NOT SHOW THE FOLLOWING DETAILS.  
 375-6.4.G(1)(m) WOOD/STEEL GUARDRAIL INSTALLATION [UPDATED SECTION 6.4.G.(1)(m)]  
 375-6.4.G(1)(u) DESIGNATED TREE PROTECTION ZONE [UPDATED SECTION 6.4.G.(1)(u)]

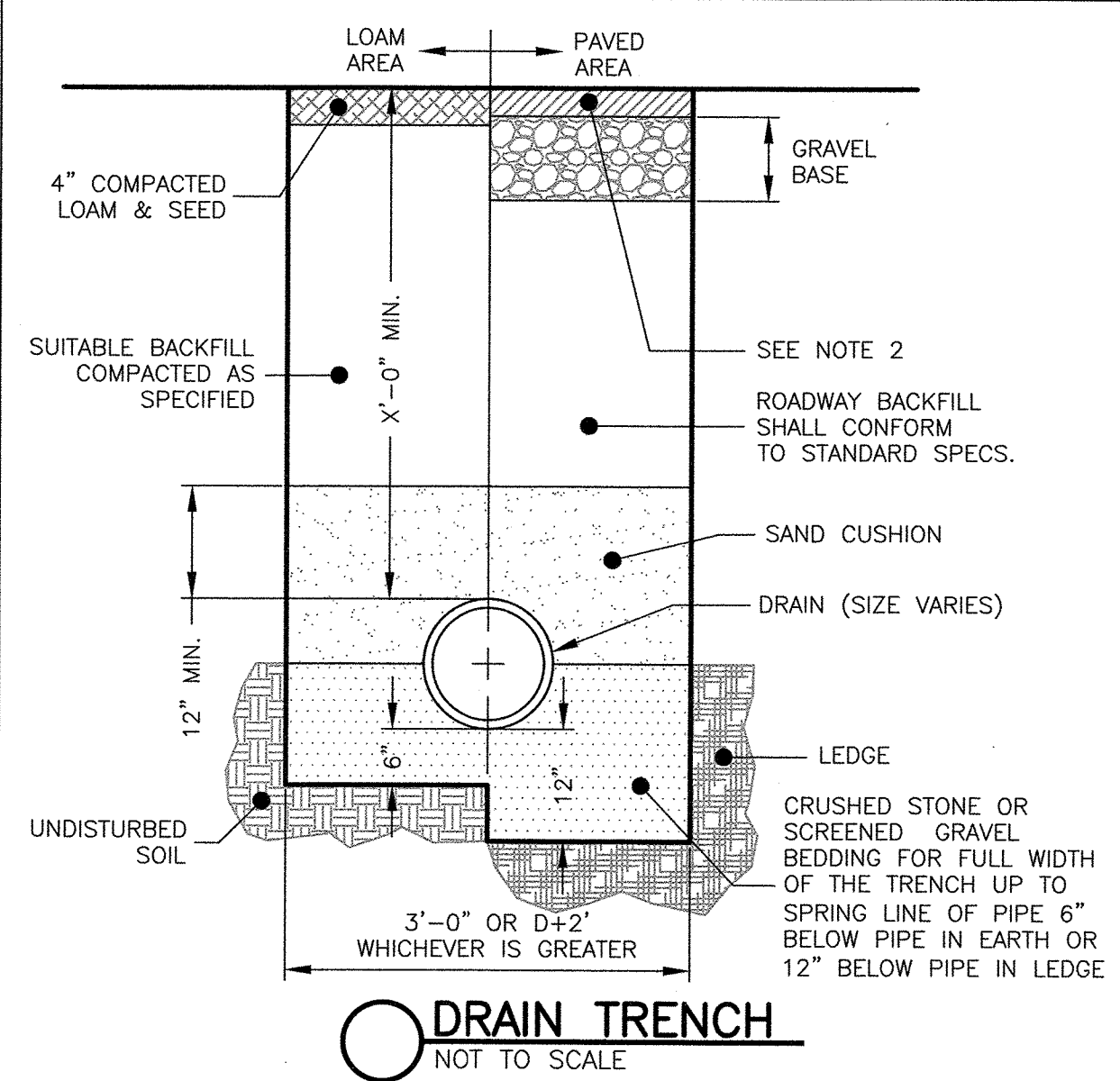
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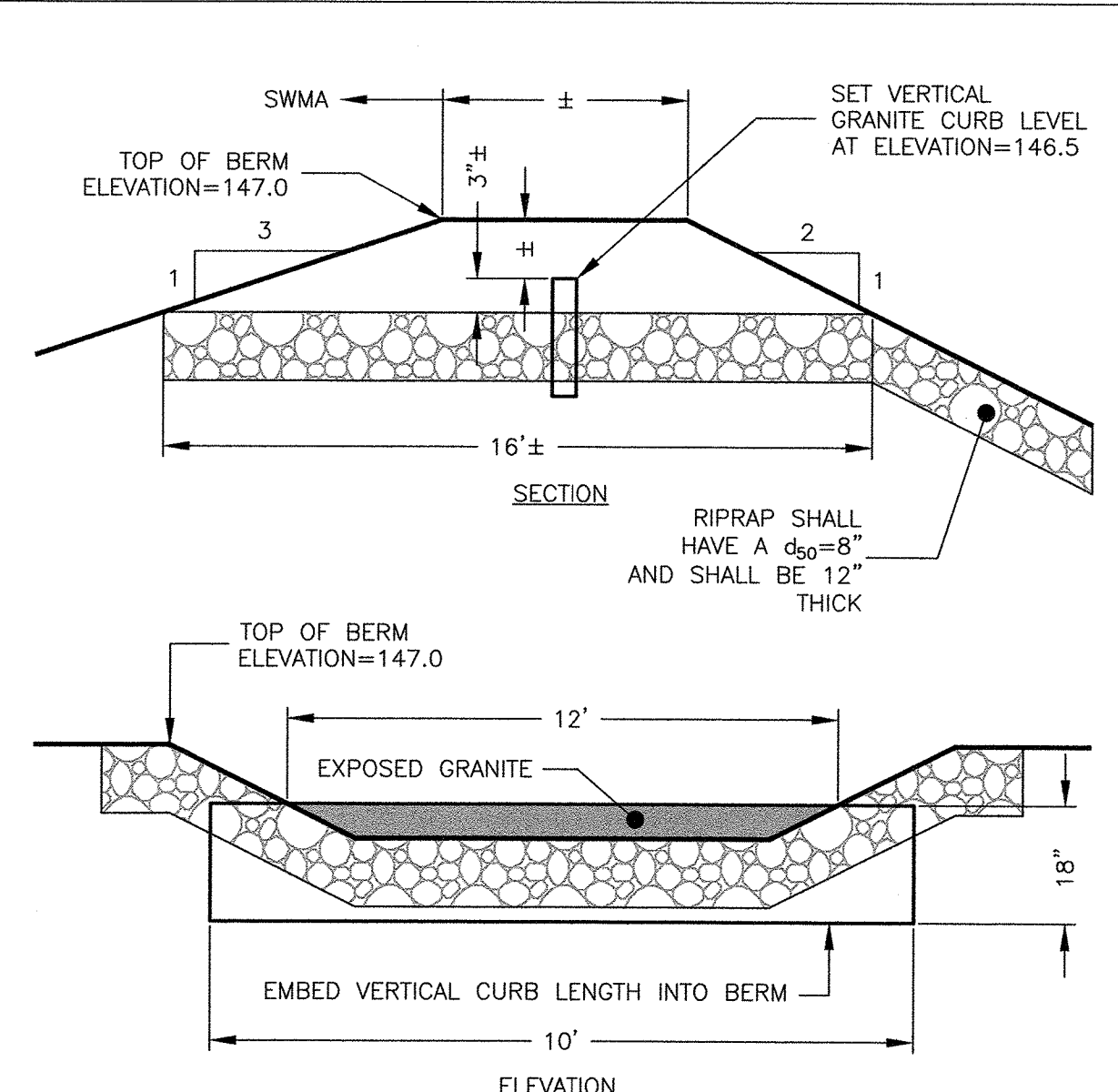
\_\_\_\_\_  
 TOWN CLERK



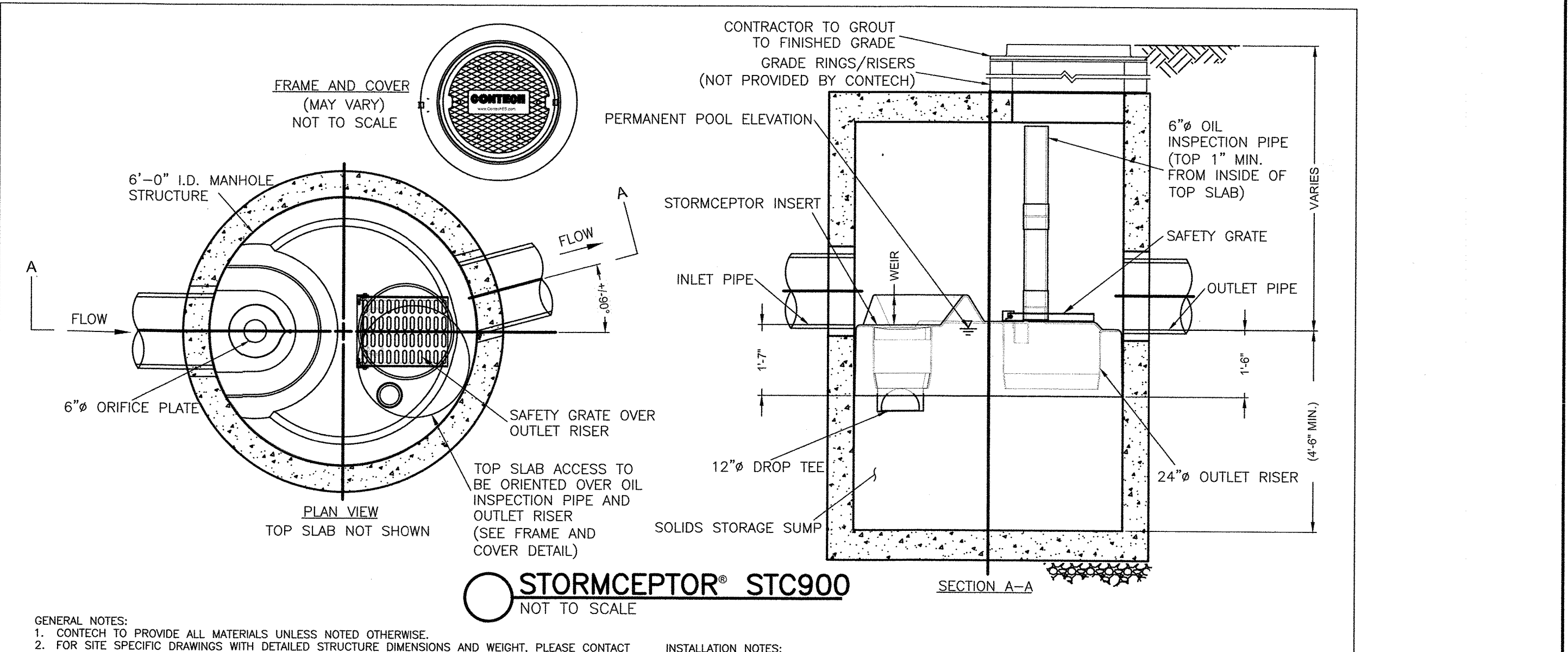
NOTES:  
 1. ON SLOPES USE LEBARON LV2448-2-000 FRAME W/LEBARON LK120D-300 3 FLANGE CASCADE GRATE OR APPROVED EQUAL.  
 2. AT LOW POINTS USE LEBARON LV2448-2-000 FRAME W/LEBARON LF248-2-000 3 FLANGE GRATE OR APPROVED EQUAL.



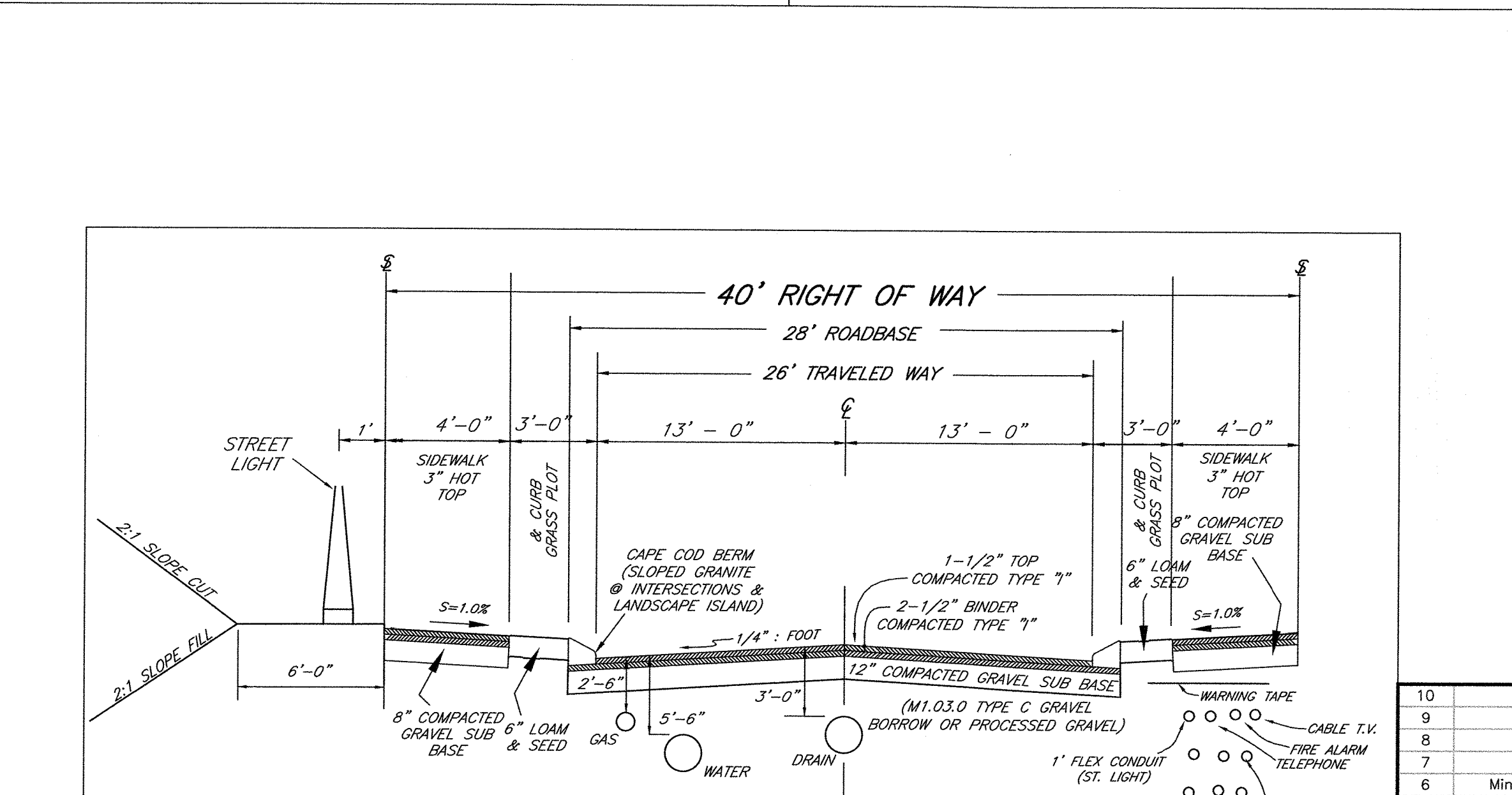
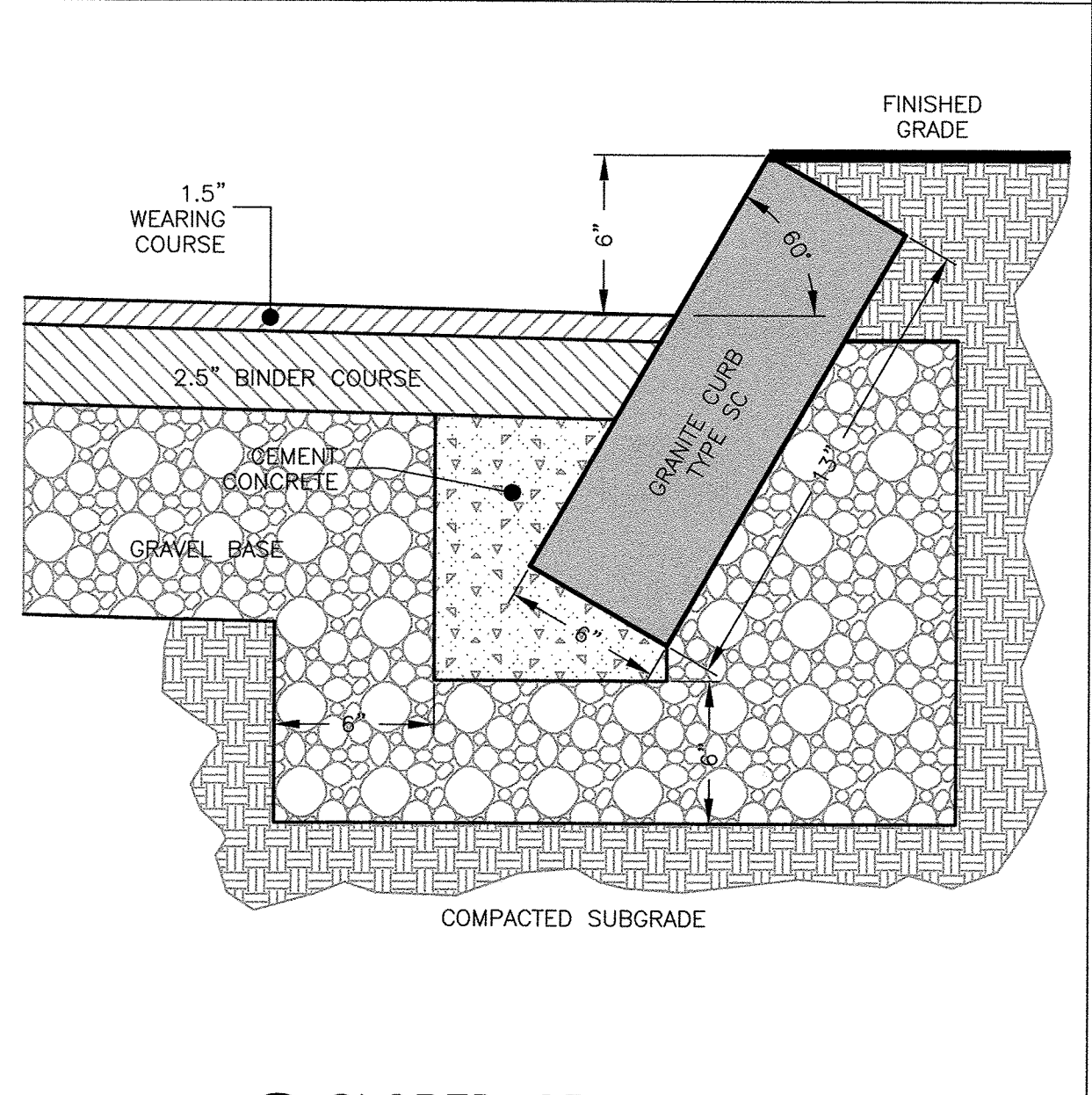
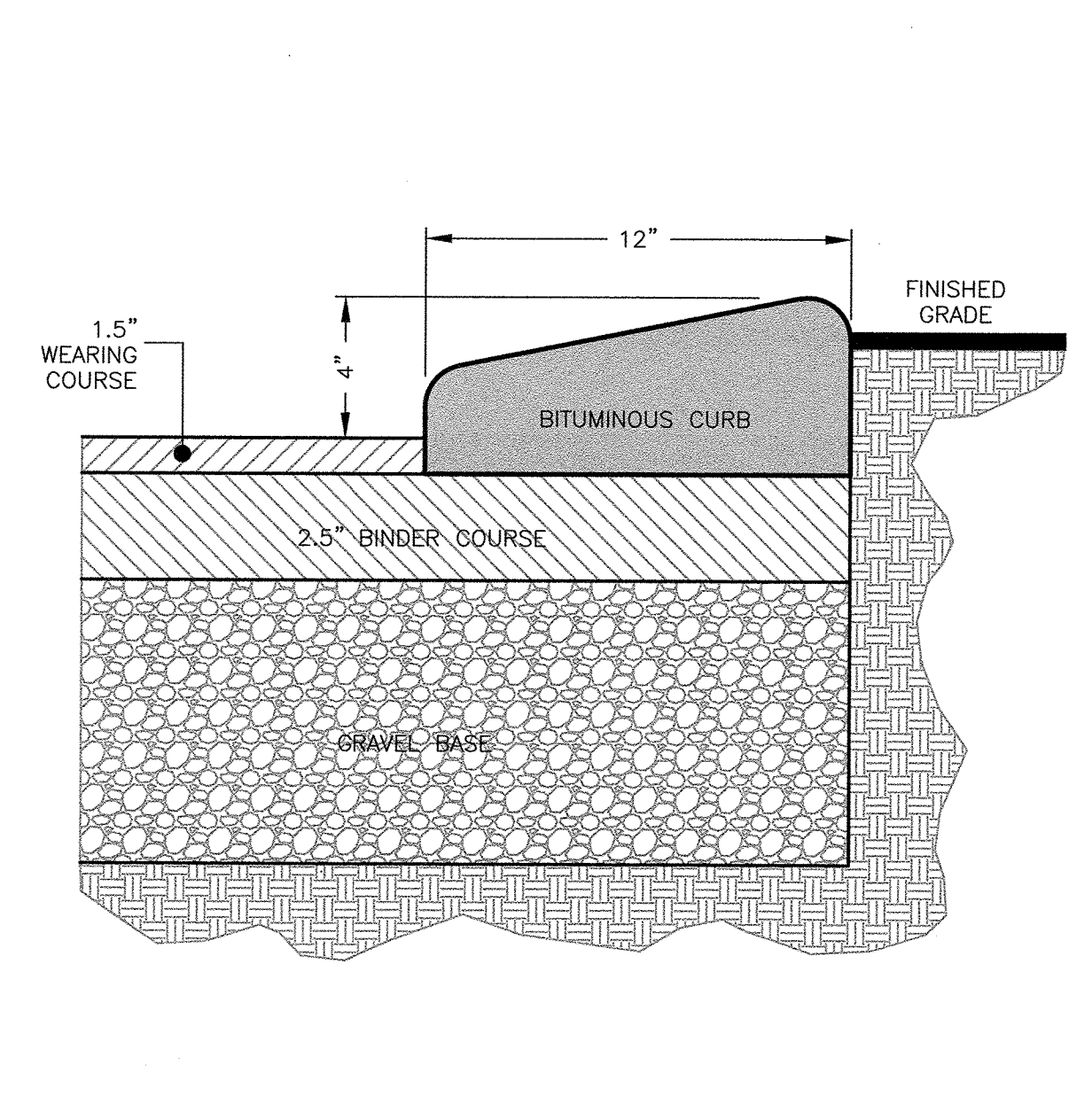
NOTES:  
 1. ALL MATERIAL SHALL CONFORM TO CITY/TOWN OF \_\_\_\_\_ DEPARTMENT OF PUBLIC WORKS.  
 2. NEW ROADWAY CONSTRUCTION SHALL CONFORM TO CITY/TOWN SPECIFICATIONS.  
 3. IN LIEU OF THE 12" GRAVEL COURSE AND 9" OF CRUSHED GRAVEL OR RECLAIMED STABILIZED BASE MAY BE USED AS A BASE FOR THE PAVEMENT REPAIR.  
 4. MATERIAL SHALL BE REPLACED IN KIND WHENEVER POSSIBLE.  
 5. A MINIMUM 2' CUTBACK IS REQUIRED AT THE TOP OF THE TRENCH WALL OVER UNDISTURBED MATERIAL.



NOTES:  
 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.  
 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com  
 3. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.  
 4. STORMCEPTOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0'-2" AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.  
 5. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.



INSTALLATION NOTES:  
 1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.  
 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.  
 3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.  
 4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.  
 5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



**DETAIL SHEET**

Seal: \_\_\_\_\_

**DEFINITIVE PLAN**  
**VALLIS WAY**  
 LYNNFIELD, MASS.  
 ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
 APPLICANT: PAUL CAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529  
 Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01880, www.hayeseng.com

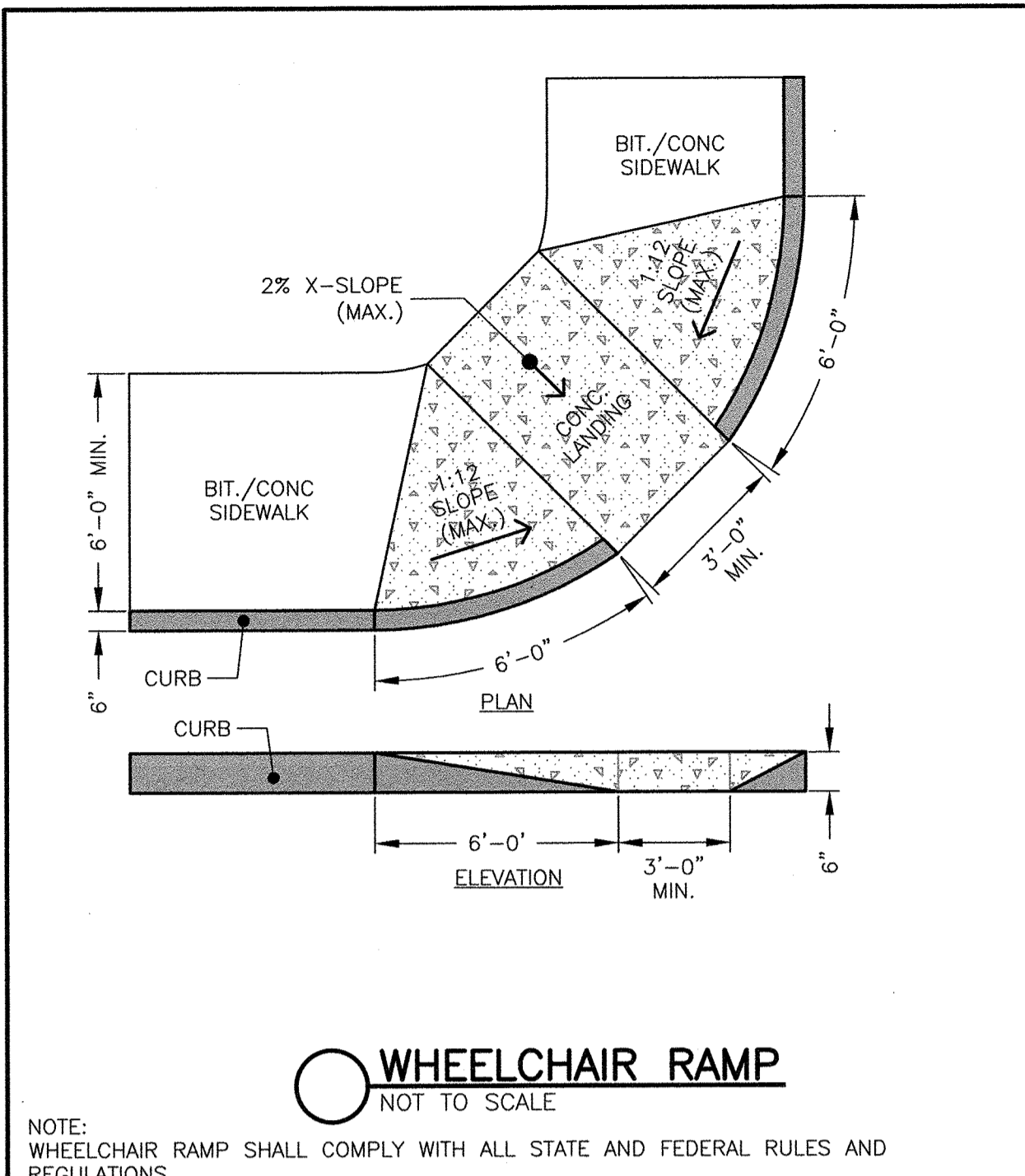
Scale: 1"=40' April 12, 2021

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 Plan Approved: \_\_\_\_\_  
 Plan Signed: \_\_\_\_\_

DETAIL SHEET 1 OF 3  
 SET SHEET 8 OF 10





**WHEELCHAIR RAMP**  
NOT TO SCALE

NOTE: WHEELCHAIR RAMP SHALL COMPLY WITH ALL STATE AND FEDERAL RULES AND REGULATIONS.

**ALUMINUM ROUND TAPERED AREA LIGHTING POLES**  
10 TO 20 FEET (5 TO 6 METERS)

**TOWN OF LYNNFIELD LIGHT POLE**  
NOT TO SCALE

**ORDERING NUMBERS LOGIC** (See Pole Selection Table for actual Ordering Numbers)

Base Type	Height	Lighting	Ordering Number
Base Type A	10	1	10A1
Base Type B	12	2	12B2
Base Type C	15	3	15C3
Base Type D	20	4	20D4

REFERENCES: See Page 2-11 for Pole Base Data. See Page 2-12 for Pole Selection Guidelines.

**American Revolution LED Series 247L**

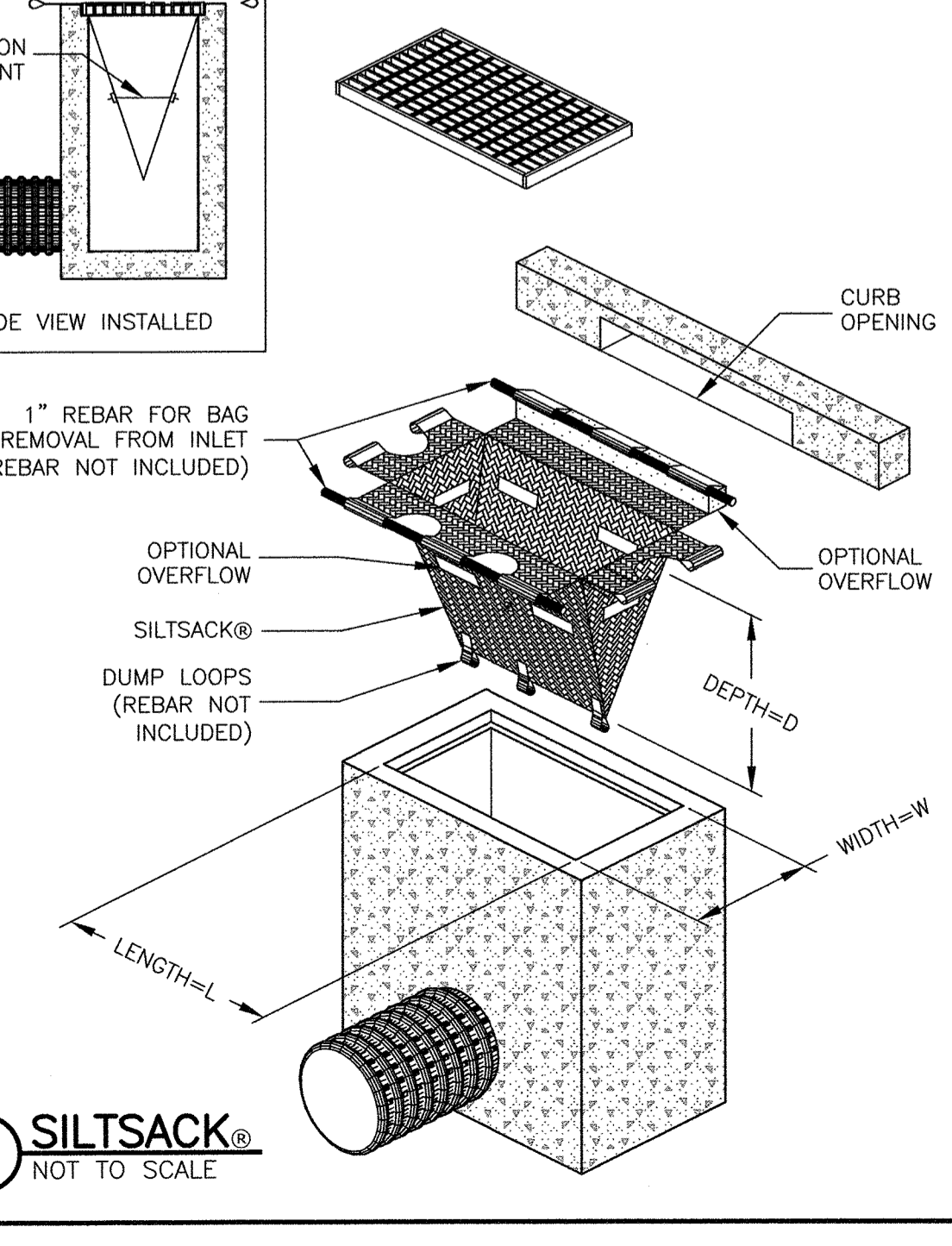
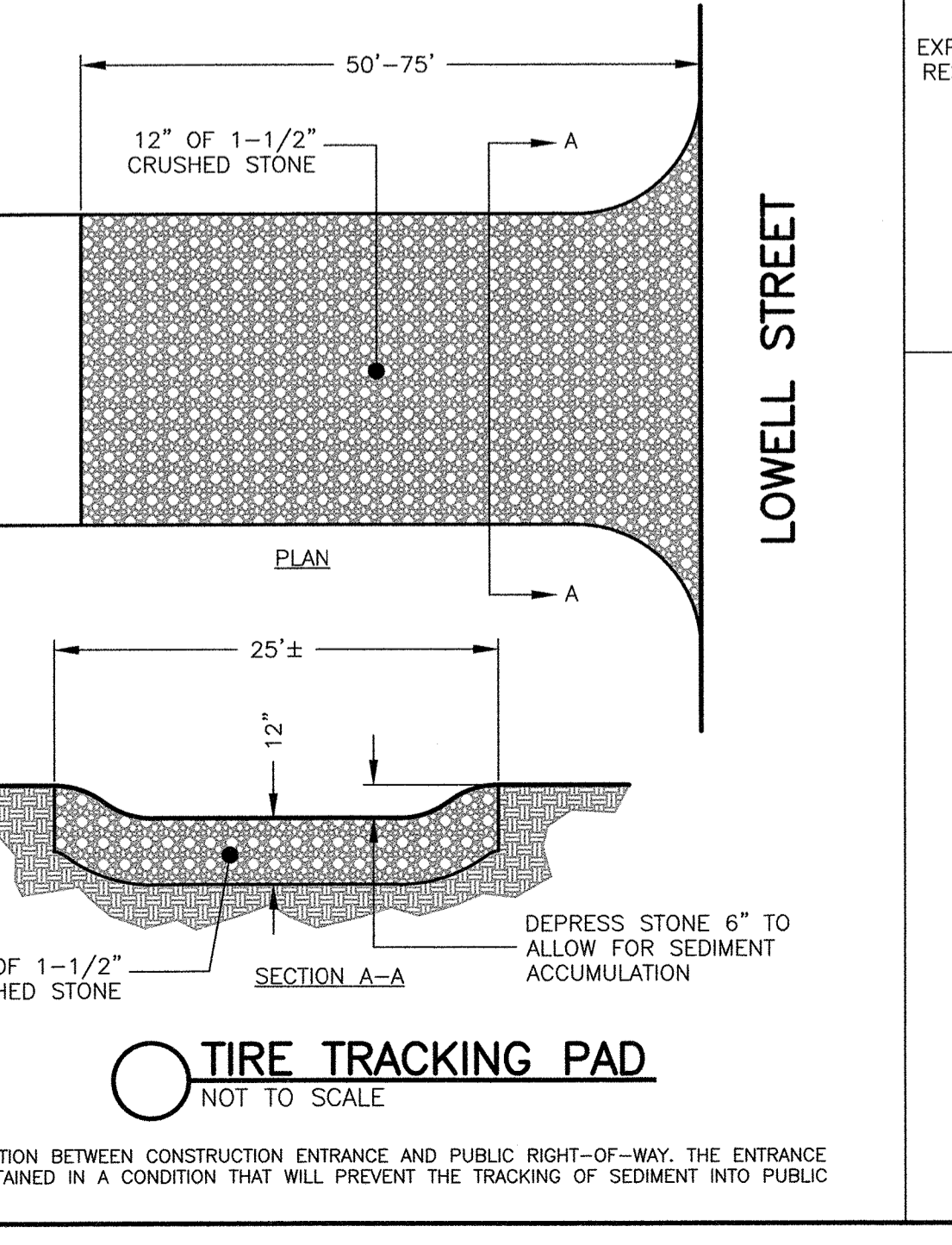
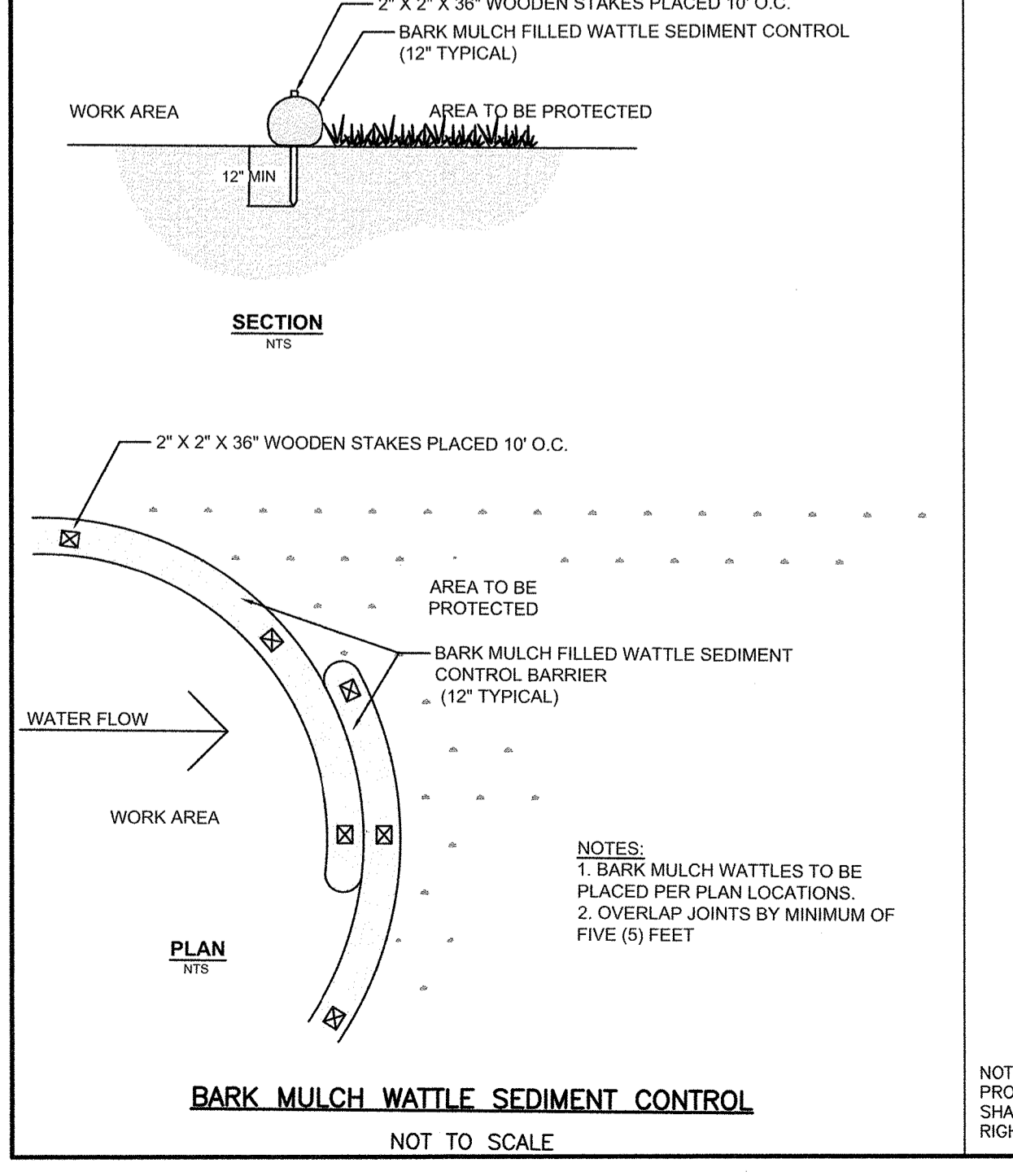
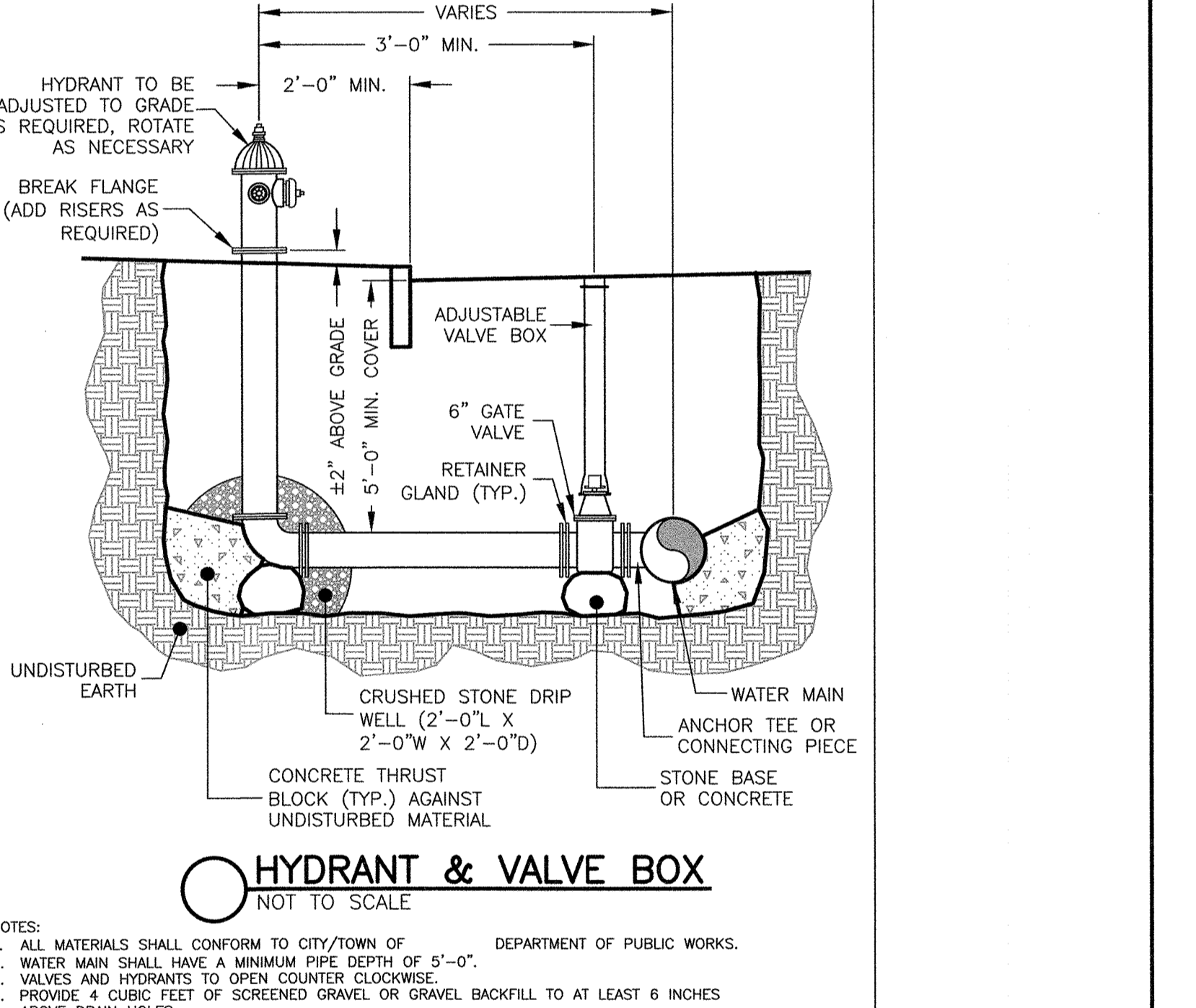
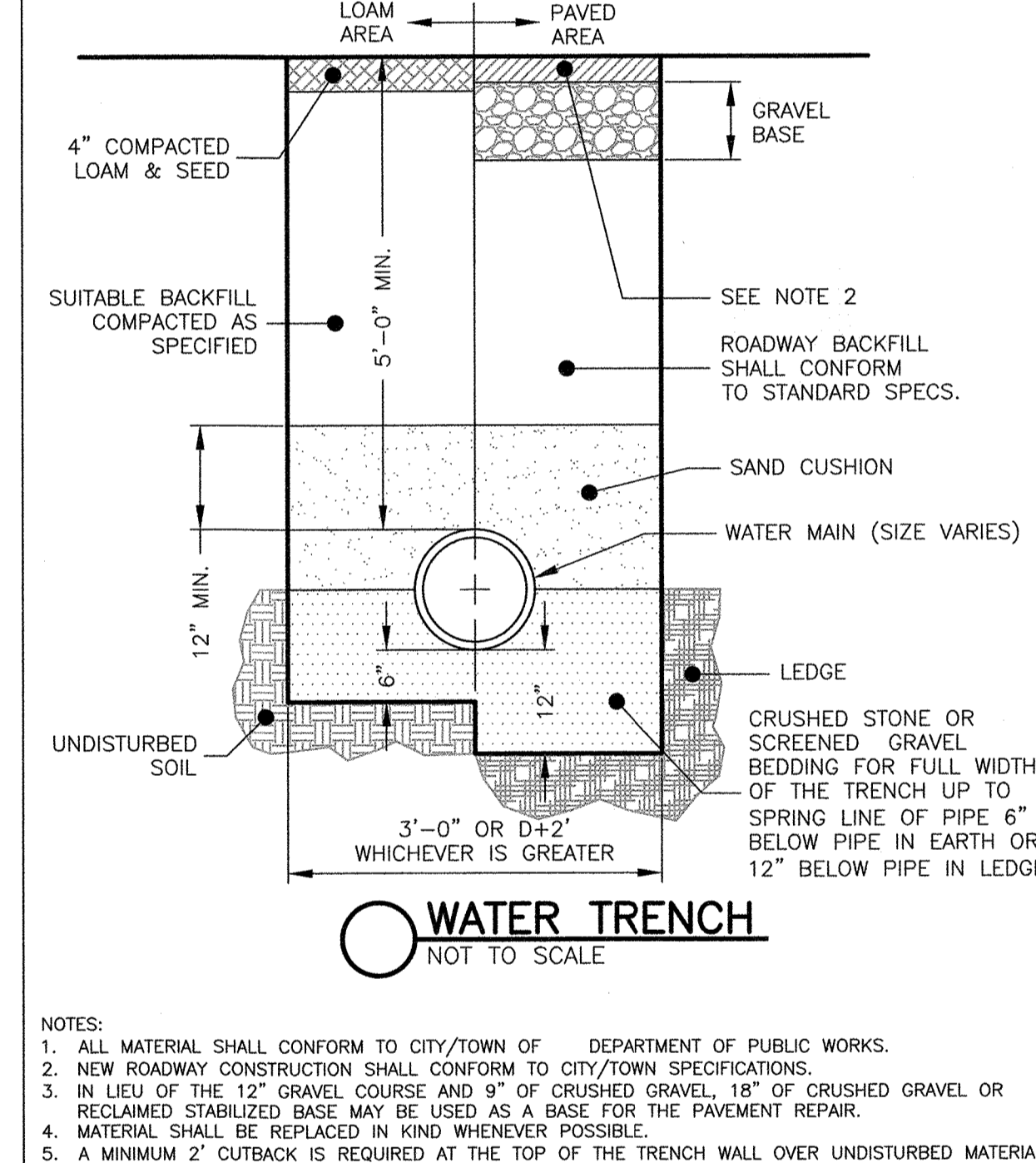
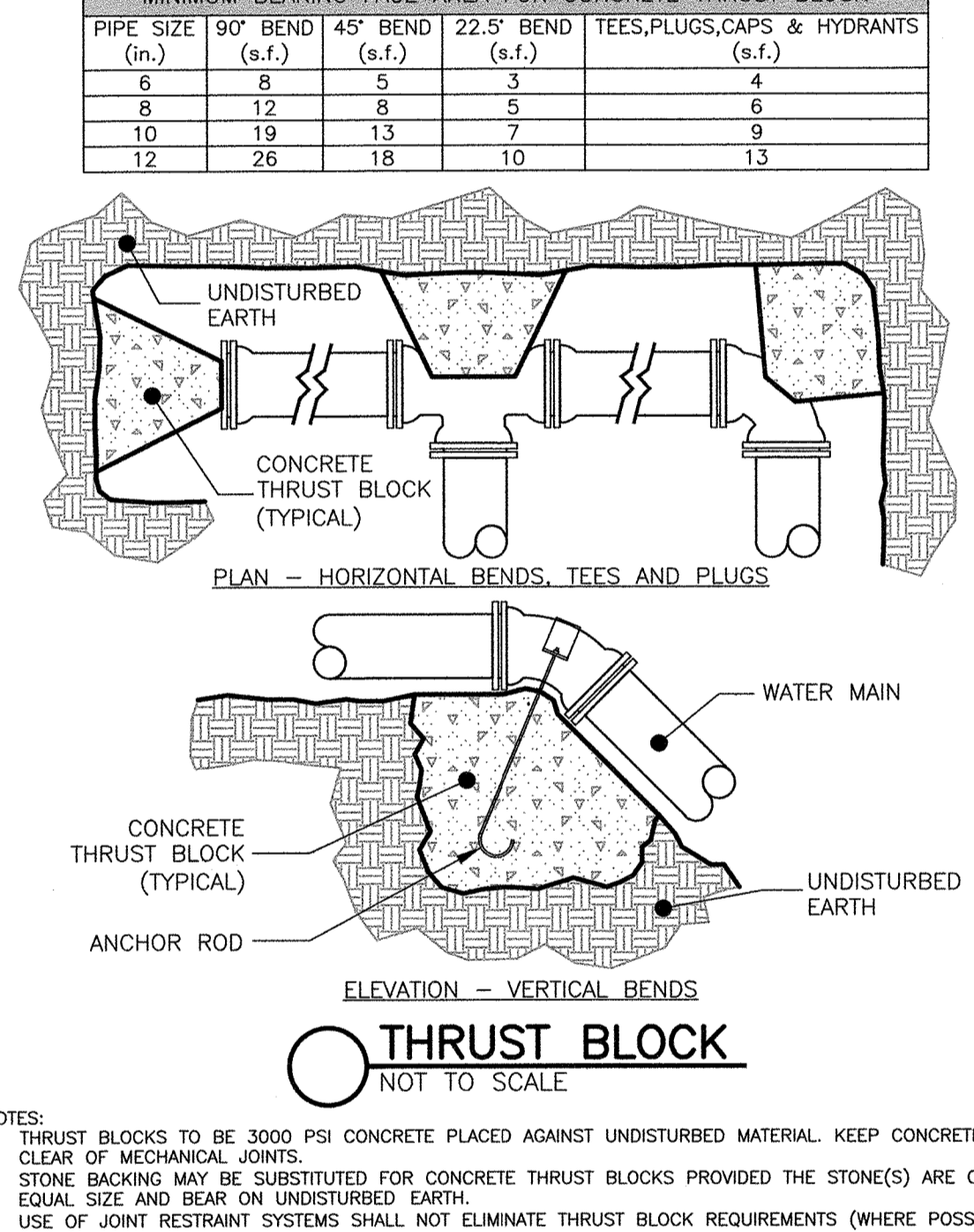
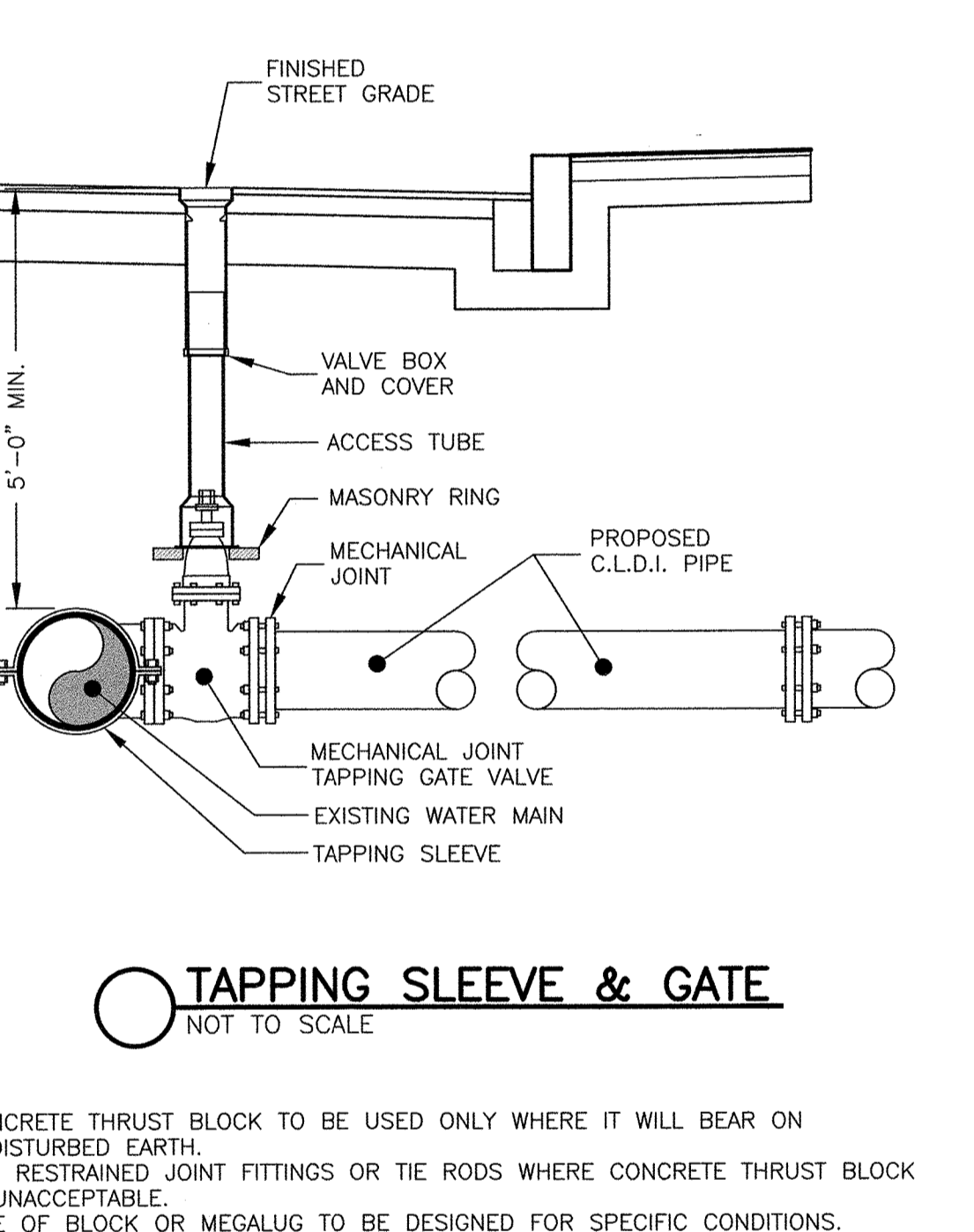
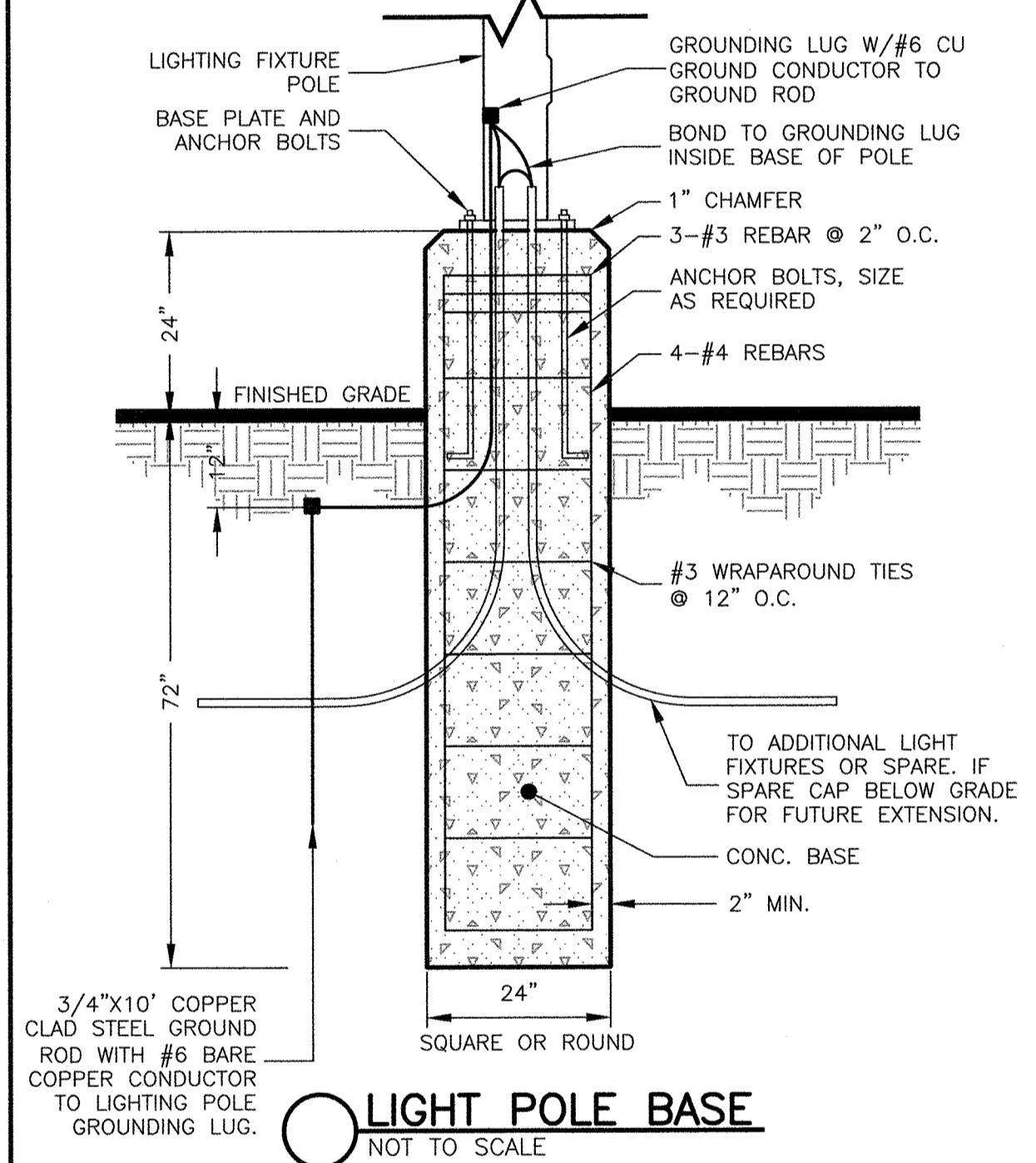
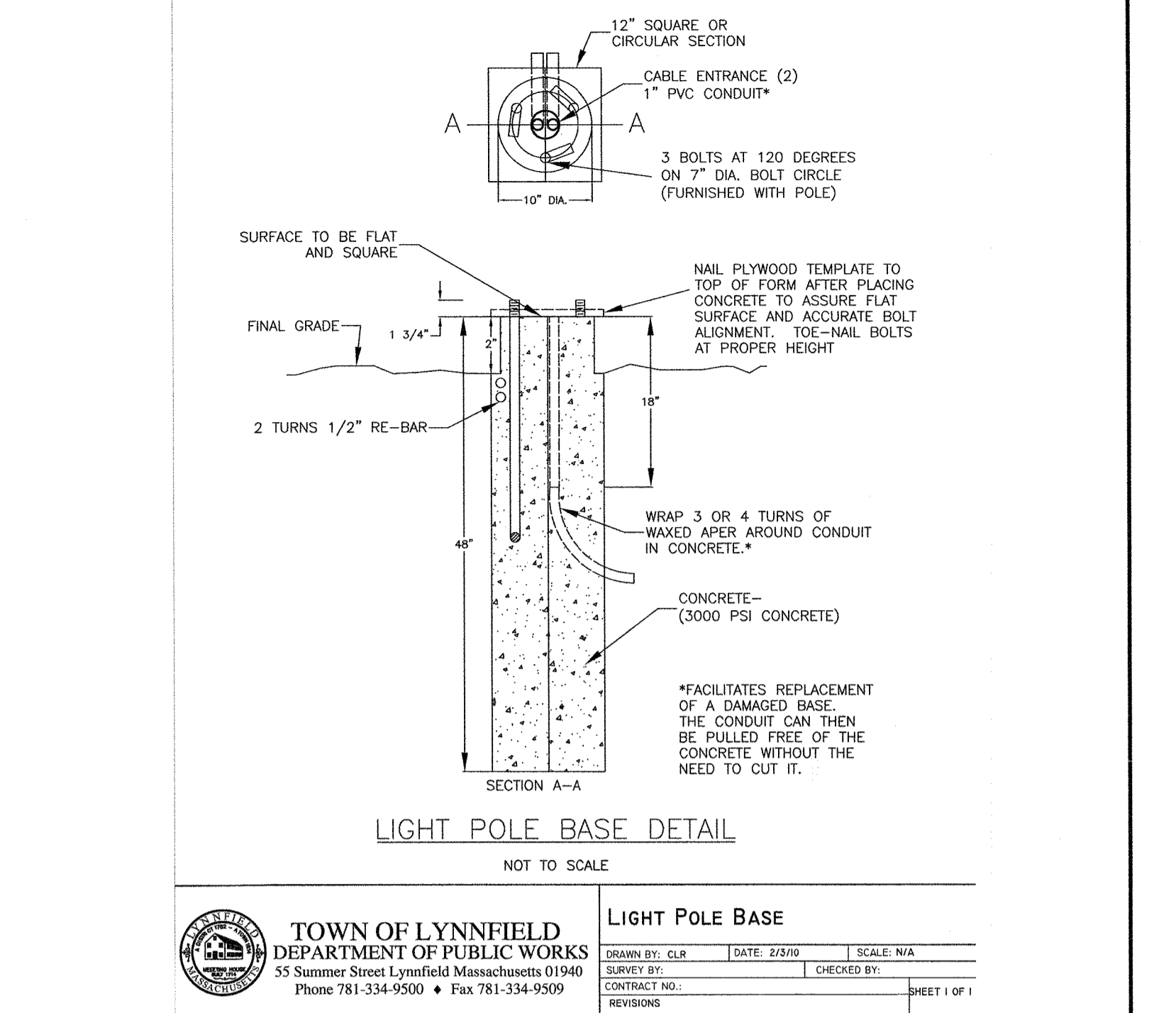
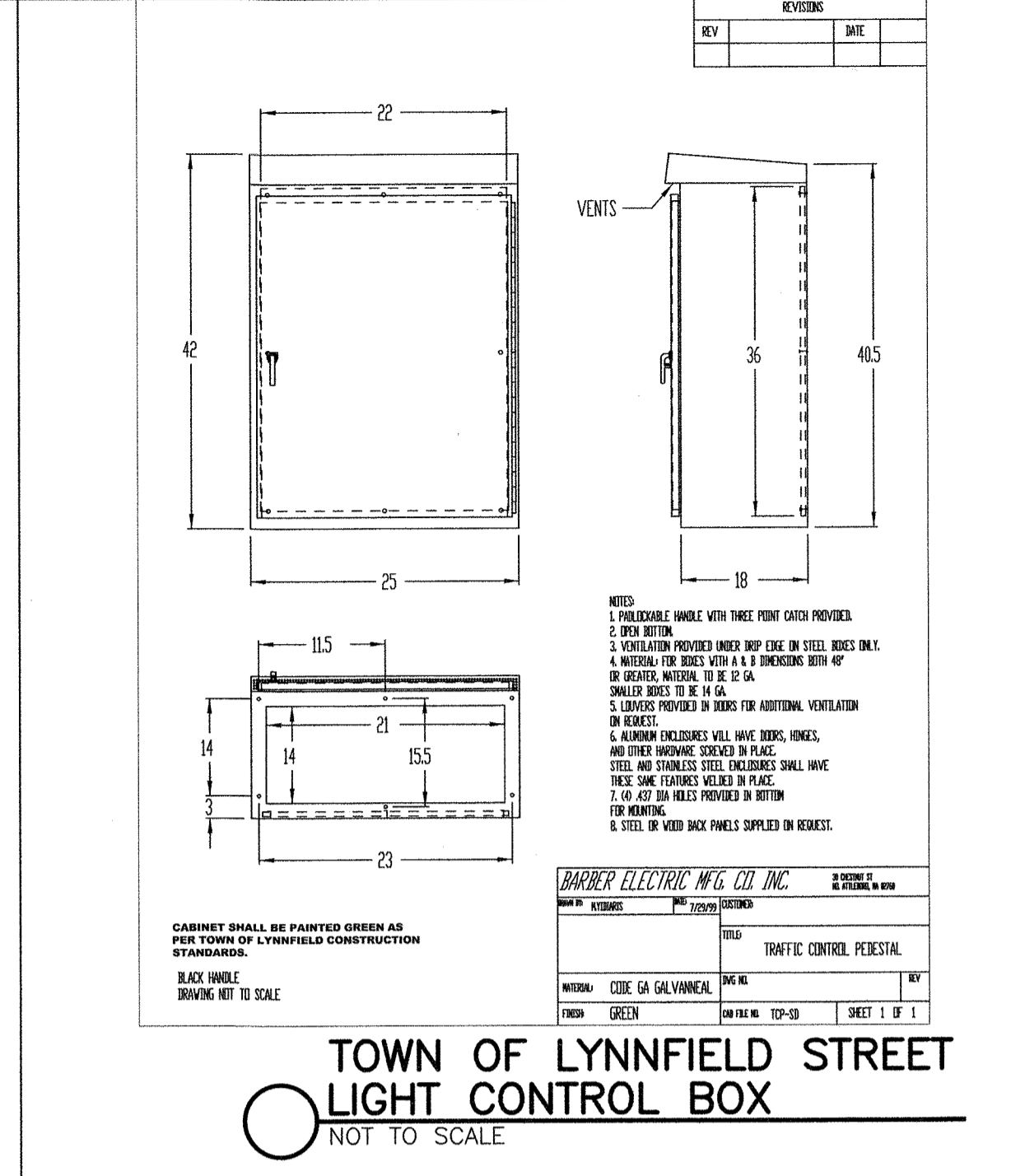
**TOWN OF LYNNFIELD LIGHT**  
NOT TO SCALE

**PRODUCT OVERVIEW**

**Features:**

- Die-cast aluminum housing and hood for long life performance.
- Die-cast housing with F14 and stainless steel screws option available for more secure installation.
- Die-cast housing designed for maximum performance, available in Type II, Type III and Type IV.
- Integral hood and stainless steel screws provide protection of hood, easy access to electrical and optical area for servicing.
- Die-cast housing with stainless steel screws option available to pole bases 20' to 25' H.D.
- Die-cast housing with stainless steel screws option available to pole bases 20' to 25' H.D.
- Die-cast housing with stainless steel screws option available to pole bases 20' to 25' H.D.

**Applications:** Streetlights, Walkways, Pathways, Parks.



**CLERK'S CERTIFICATION ON THE PLAN**

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HAYES ENGINEERING, INC.

**REQUESTED WAIVERS**

PLAN WAIVERS: TO NOT SHOW THE FOLLOWING DETAILS.

375-6.4.G(1)(m) WOOD/STEEL GUARDRAIL INSTALLATION [UPDATED SECTION 6.4.G(1)(m)]

375-6.4.G(1)(u) DESIGNATED TREE PROTECTION ZONE [UPDATED SECTION 6.4.G(1)(u)]

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**DETAIL SHEET**

Seal: [Signature]

0' 20' 40' 80' 120'

**DEFINITIVE PLAN**  
VALLIS WAY  
LYNNFIELD, MASS.  
ASSESSORS MAP 17 LOT 921

OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940

APPLICANT: PAUL CAGGIANO, 26666 SEAGUL WAY, UNIT C201, MALIBU, CA 90265-4529

Engineer: Hayes Engineering, Inc., 603 Salem Street, Wakefield, Mass. 01980, www.hayeseng.com

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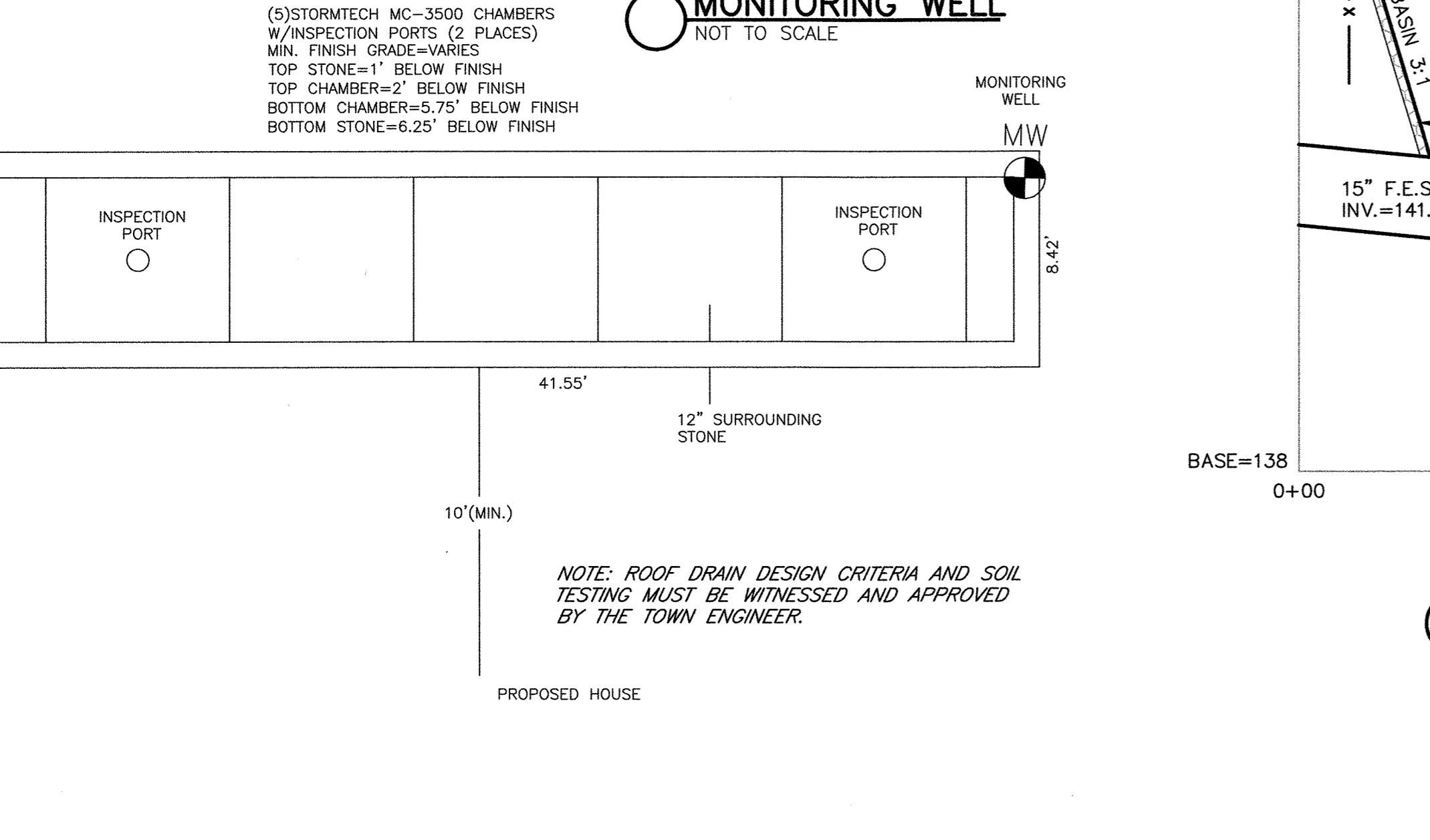
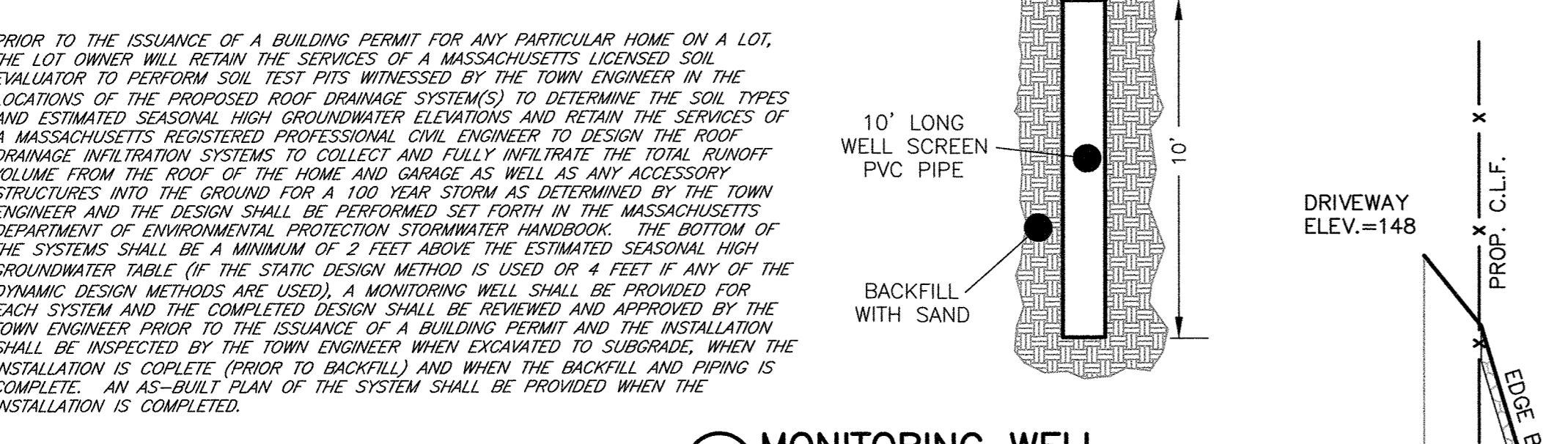
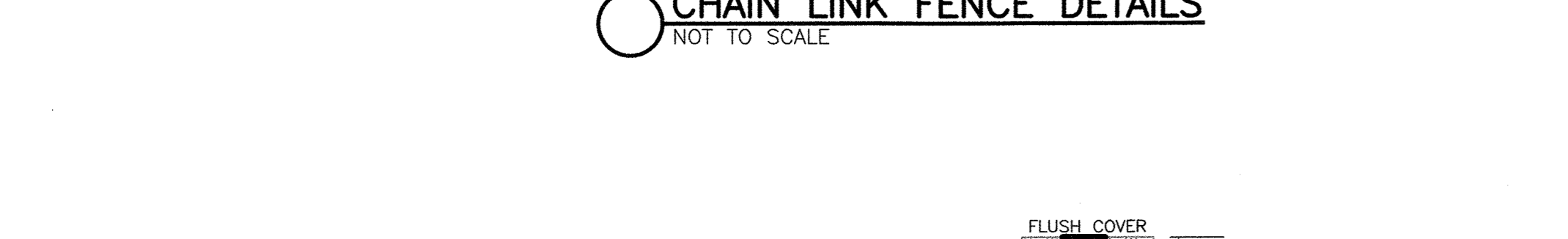
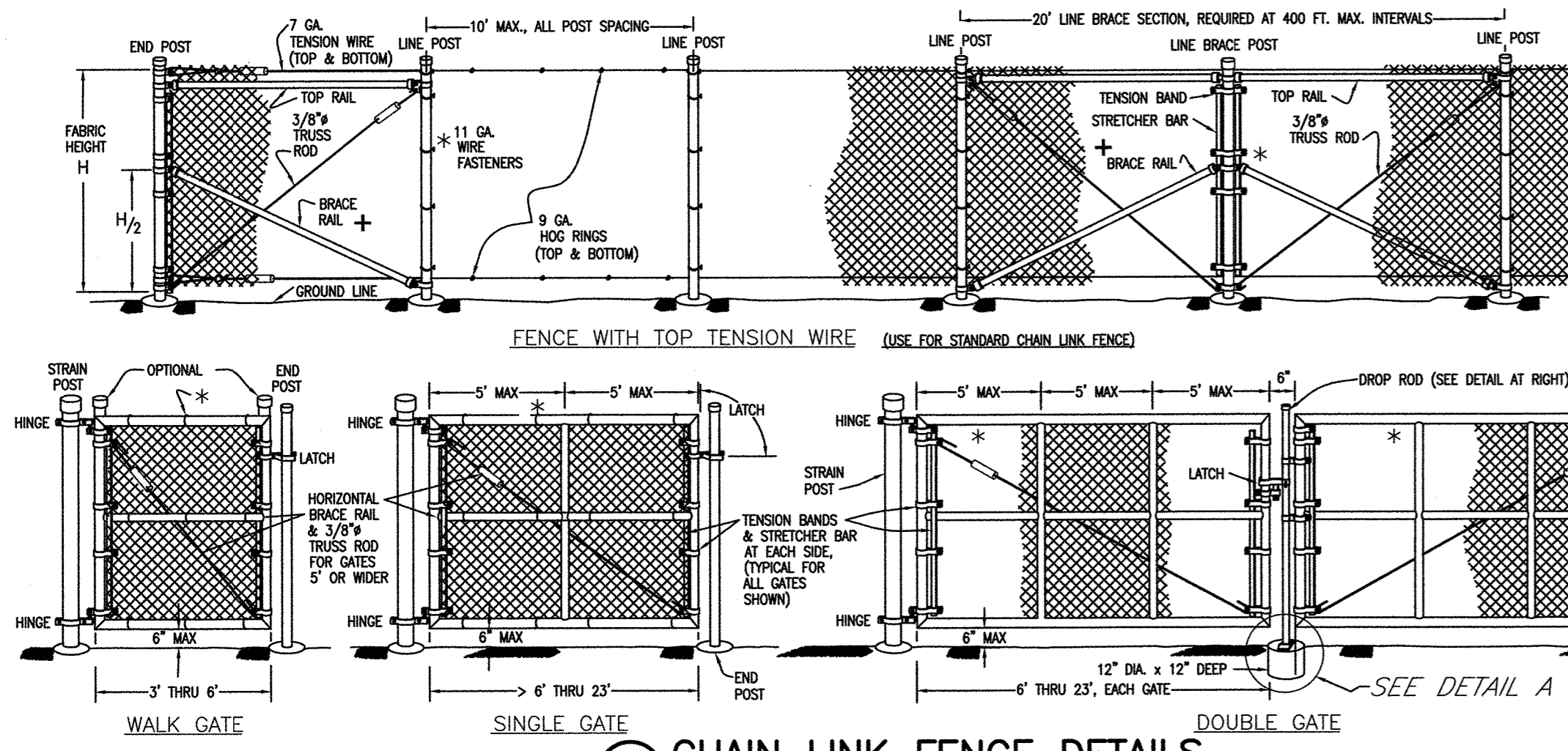
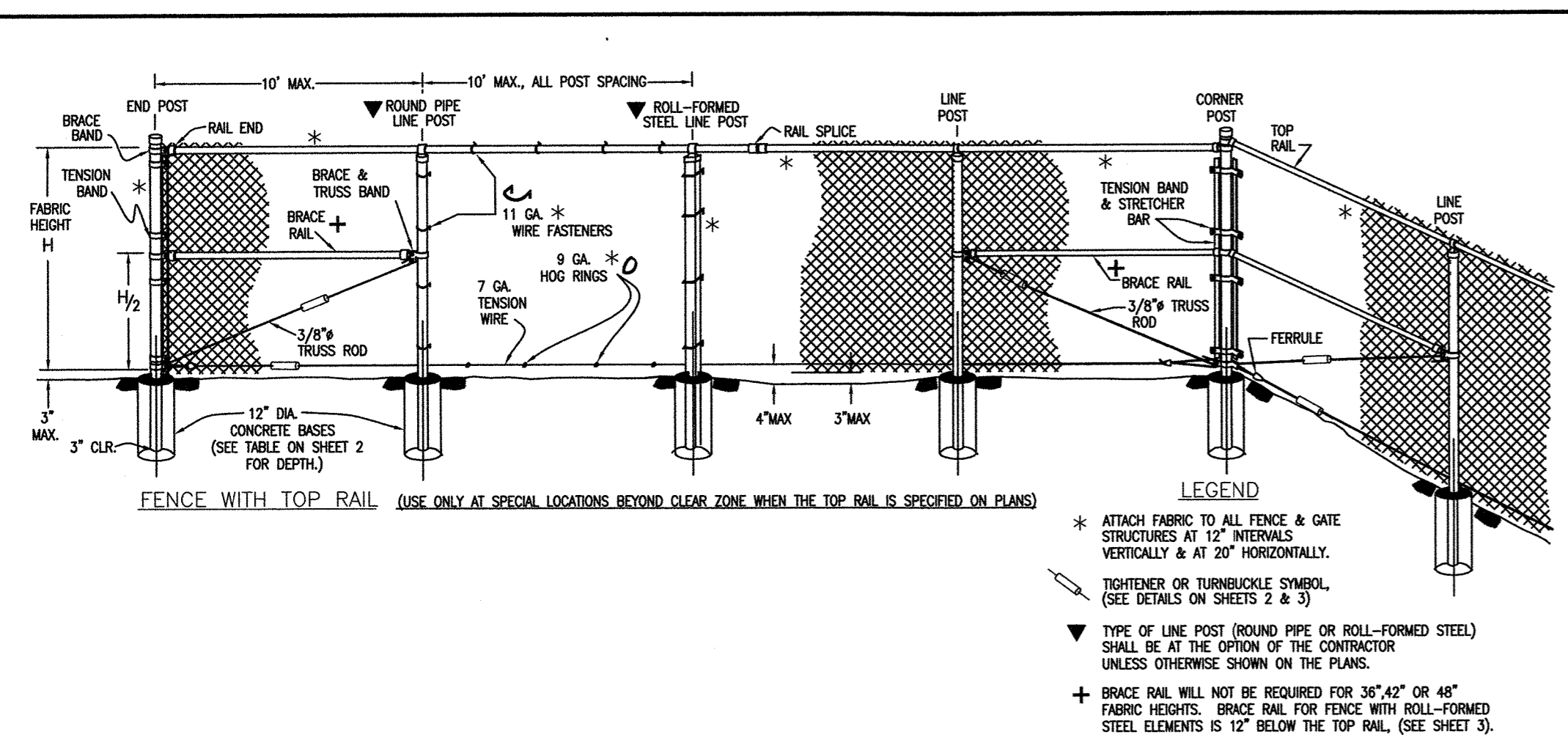
LYNNFIELD PLANNING BOARD

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DETAIL SHEET 2 OF 3

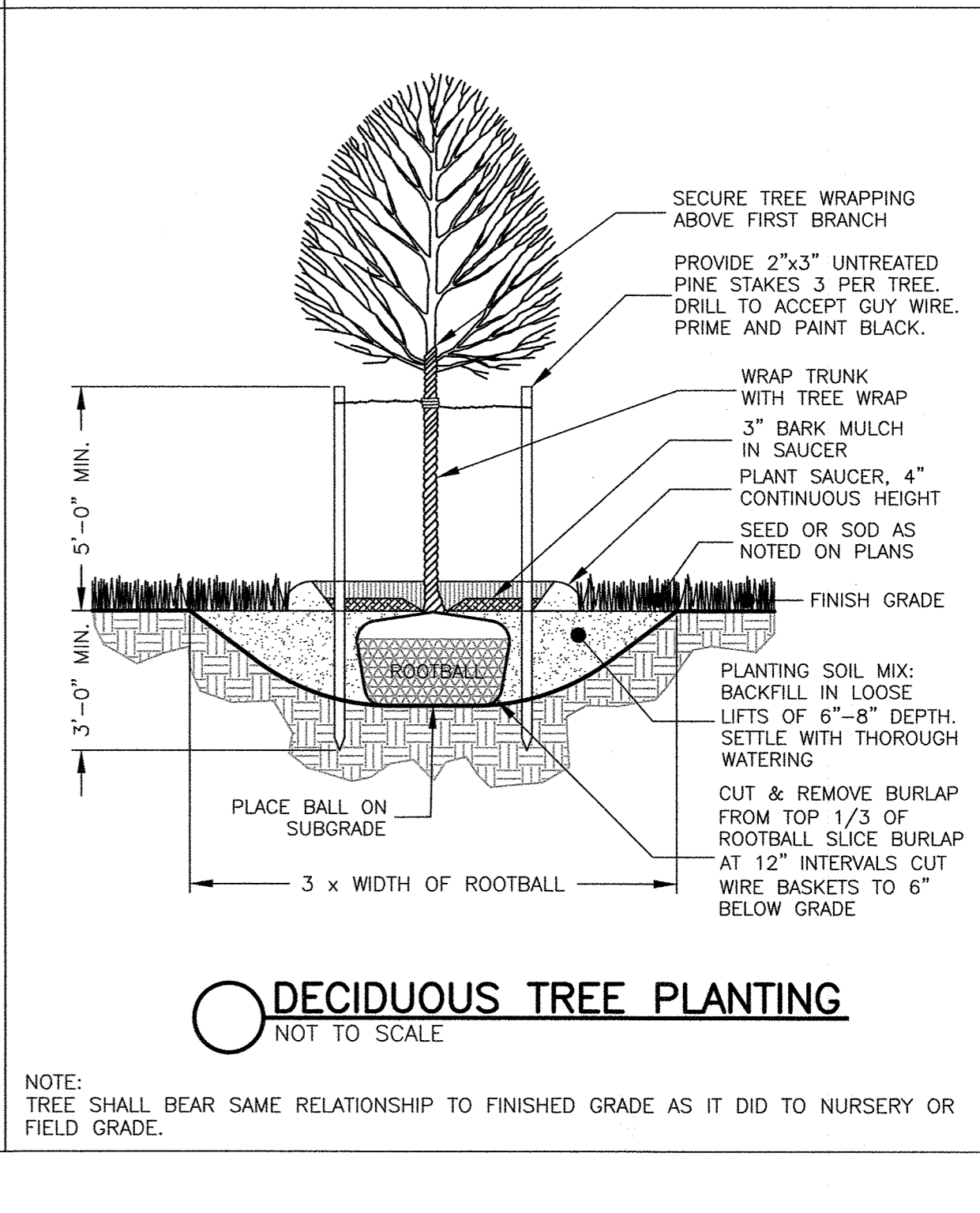
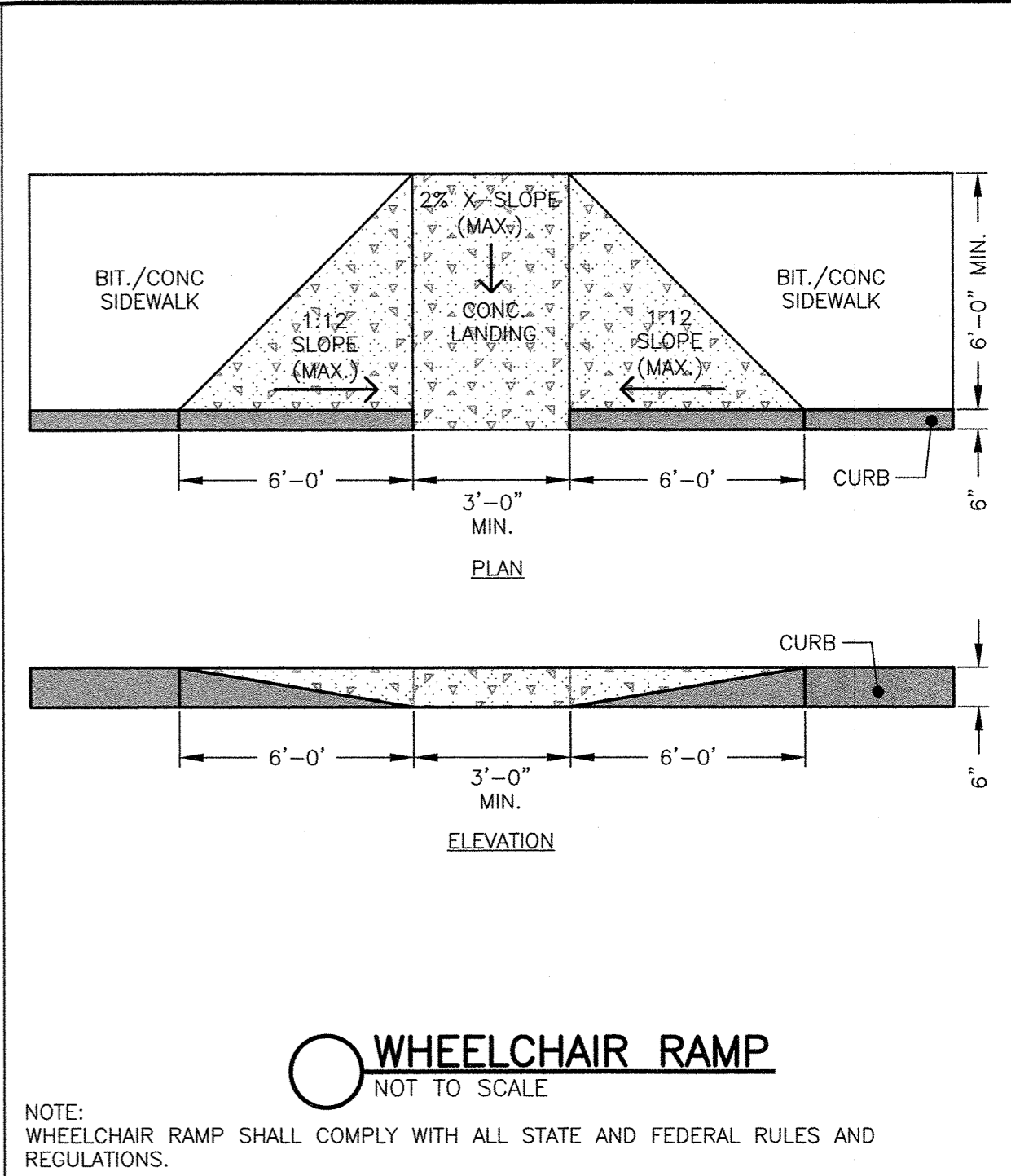
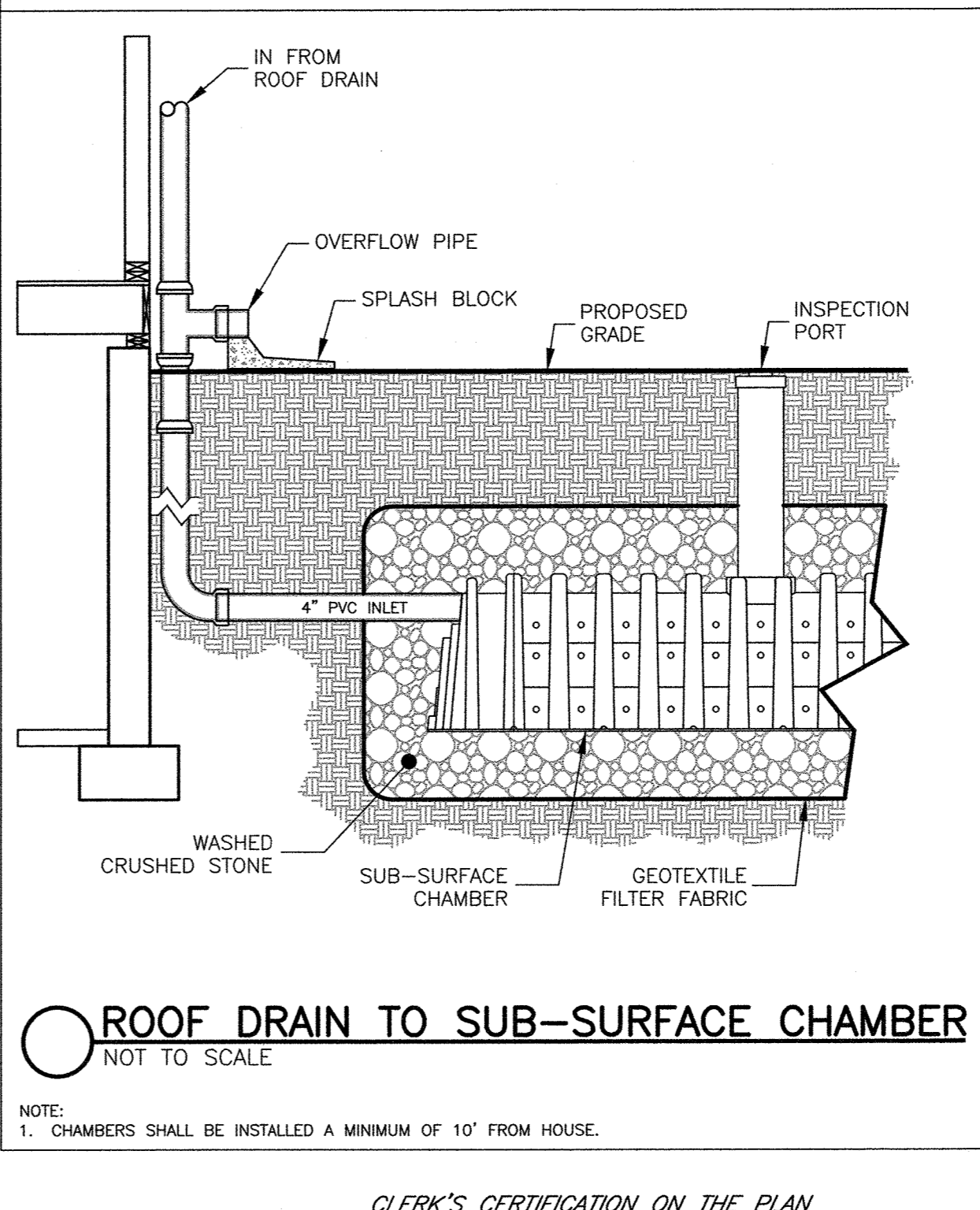
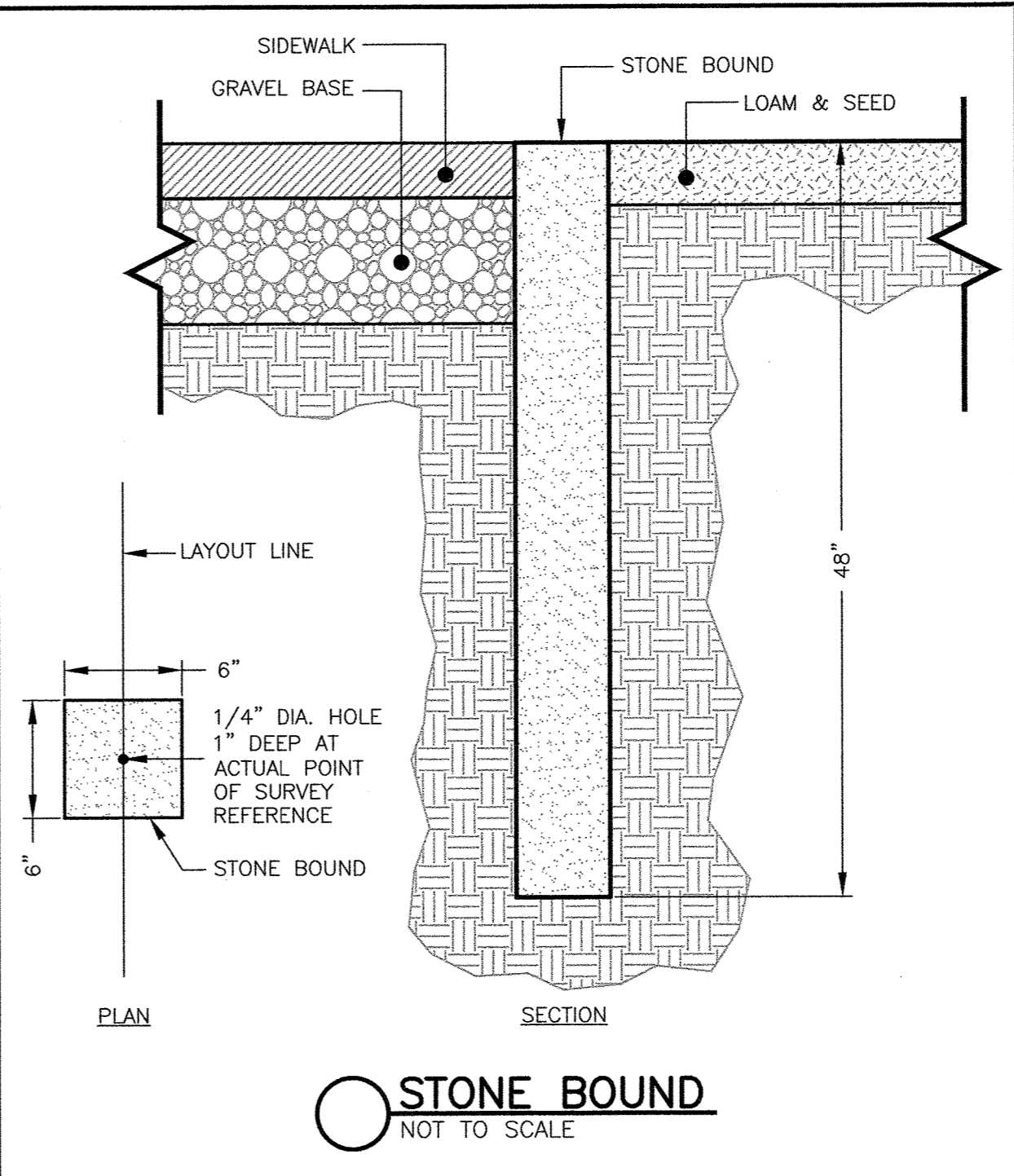
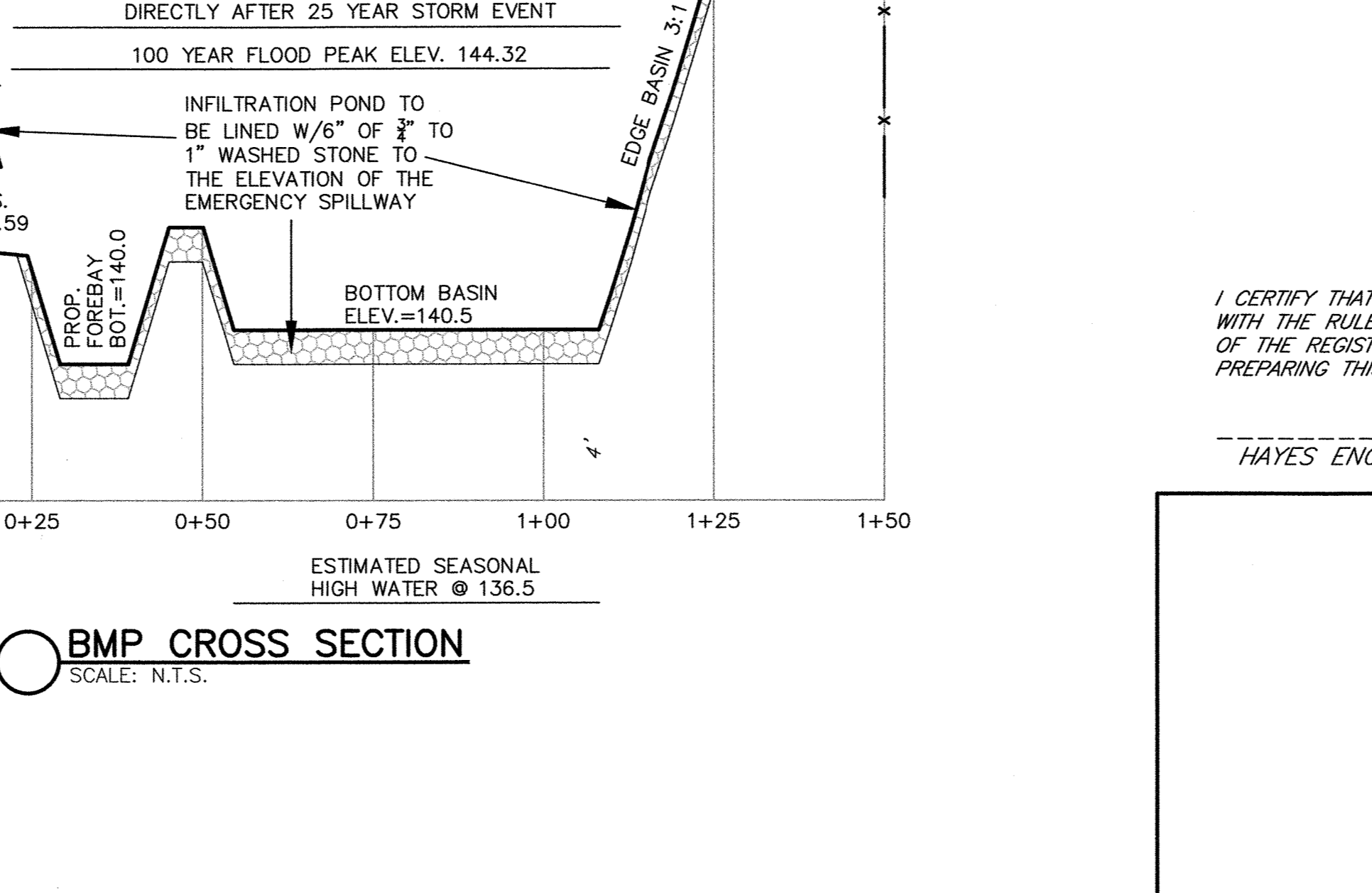
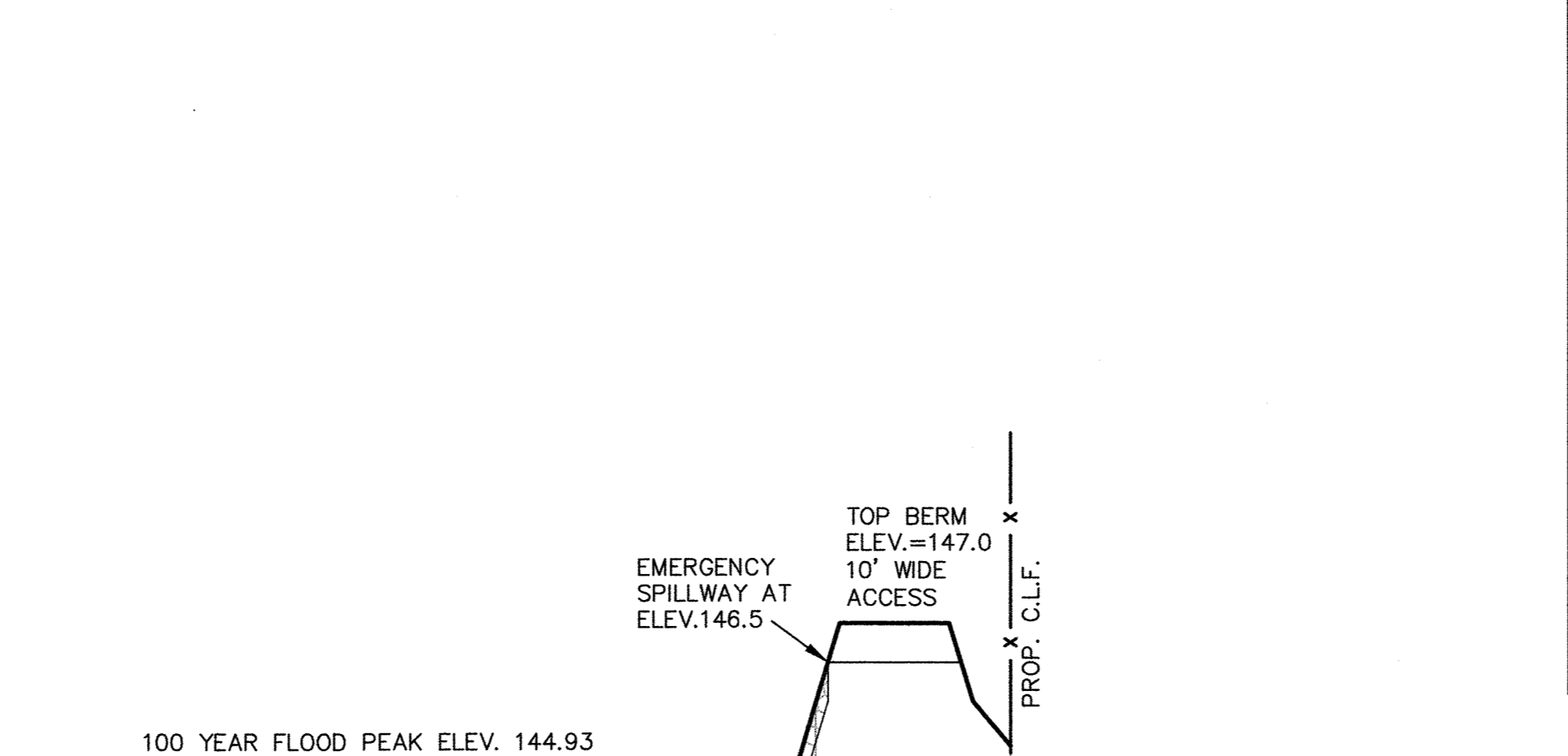
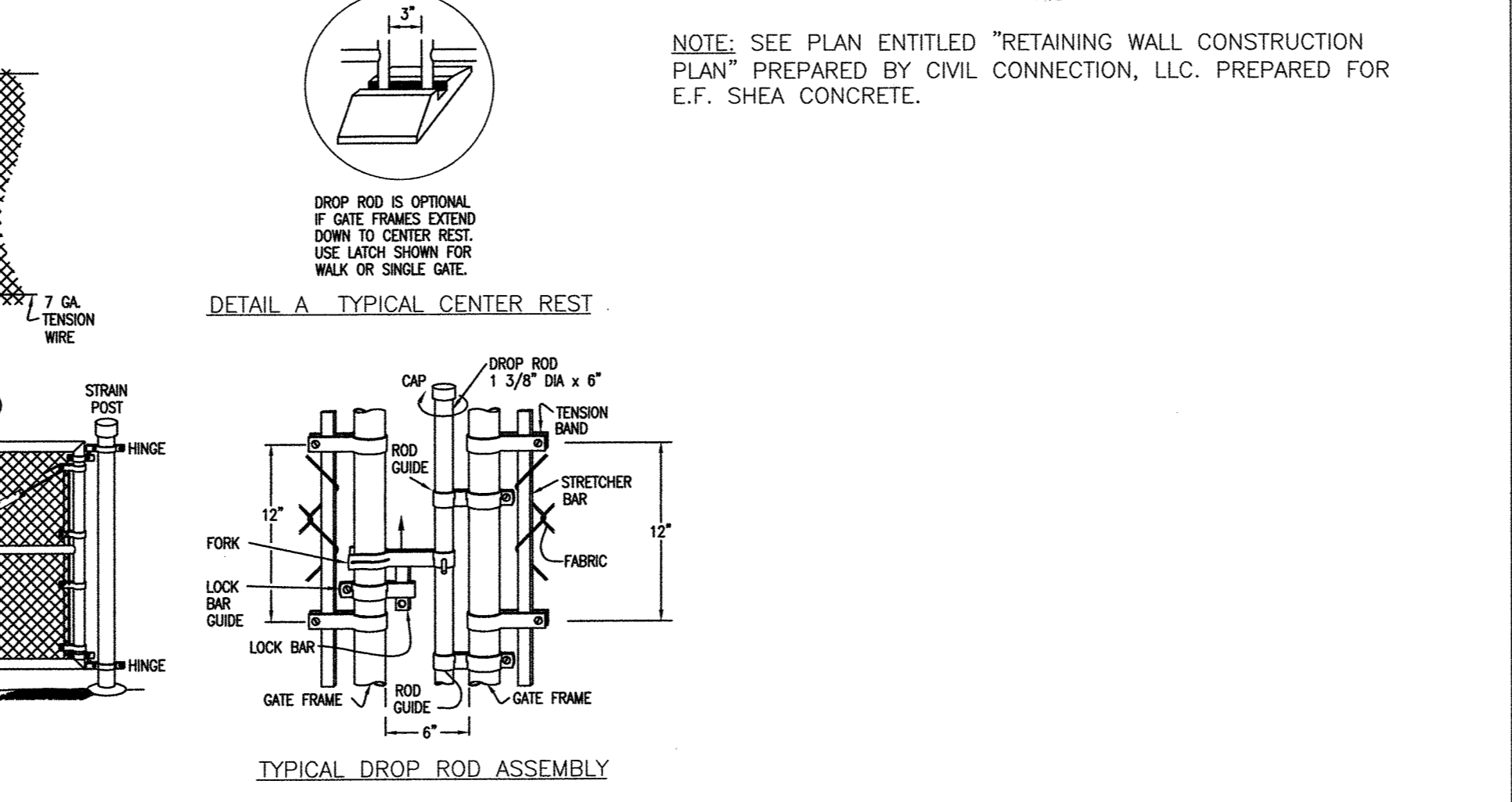
SET SHEET 9 OF 10

April 12, 2021



**GENERAL NOTES**

- H (HEIGHT OF FABRIC) SHALL BE AS SHOWN ON THE PLANS. FABRIC IS AVAILABLE IN THE FOLLOWING HEIGHTS: 3', 4', 4.5', 6', 7', 8', 8.5', 9', 10', 12' AND 14'.
- CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF ASHTO M 181.
- CHAIN LINK FABRIC SHALL BE 2" MESH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREIN. WIRE FASTENERS AND RINGS SHALL BE NO. 11 GAGE (W/M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B/S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.
- STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO ASHTO M 181 TYPE 1, GRADE 1 OR GRADE 2.
- AT THE CONTRACTOR'S OPTION, PIPE USED FOR FENCE CONSTRUCTION SHALL CONFORM TO THE DIMENSIONS AND WEIGHTS FOR EITHER "ORDINARY PIPE" OR "ALTERNATIVE PIPE". "ALTERNATIVE PIPE" SHALL BE HIGH STRENGTH STEEL PIPE MEETING THE REQUIREMENTS OF FED. SPEC. RR-F-191/3C.
- TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.
- TENSION WIRE SHALL BE AS SPECIFIED IN ASHTO M 181.
- CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE CLASS B, CONCRETE WITH LIGHTWEIGHT AGGREGATE CONFORMING TO ASHTO M 195, WILL BE PERMITTED.
- TERMINATION OF FENCE AT BRIDGES OR OTHER STRUCTURES SHALL BE AS SHOWN ON PLANS.
- CHAIN LINK FABRIC UP TO 5 FEET HIGH SHALL BE KNUCKLED AT THE TOP AND BOTTOM SEAMINGS. FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SEAMING AND KNUCKLED ON THE BOTTOM SEAMING.
- FENCE MAY BE CONSTRUCTED WITH EITHER ROUND PIPE OR ROLL-FORMED STEEL COMPONENTS. THE CONTRACTOR SHALL STATE THE TYPE OF CONSTRUCTION AND TYPE OF LINE POST TO BE USED THROUGHOUT THE PROJECT, AT THE PRECONSTRUCTION CONFERENCE.



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375-6.4.G(1)(u) DESIGNATED TREE PROTECTION ZONE [UPDATED SECTION 6.4.G(1)(u)]

**HAYES ENGINEERING, INC.**

**DETAIL SHEET**

Seal: \_\_\_\_\_

Scale: 1" = 40'

**DEFINITIVE PLAN**  
**VALLIS WAY**  
**LYNNFIELD, MASS.**  
ASSESSORS MAP 17 LOT 921

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DETAIL SHEET 3 OF 3  
SET SHEET 10 OF 10