

**Legend of Symbols & Abbreviations**

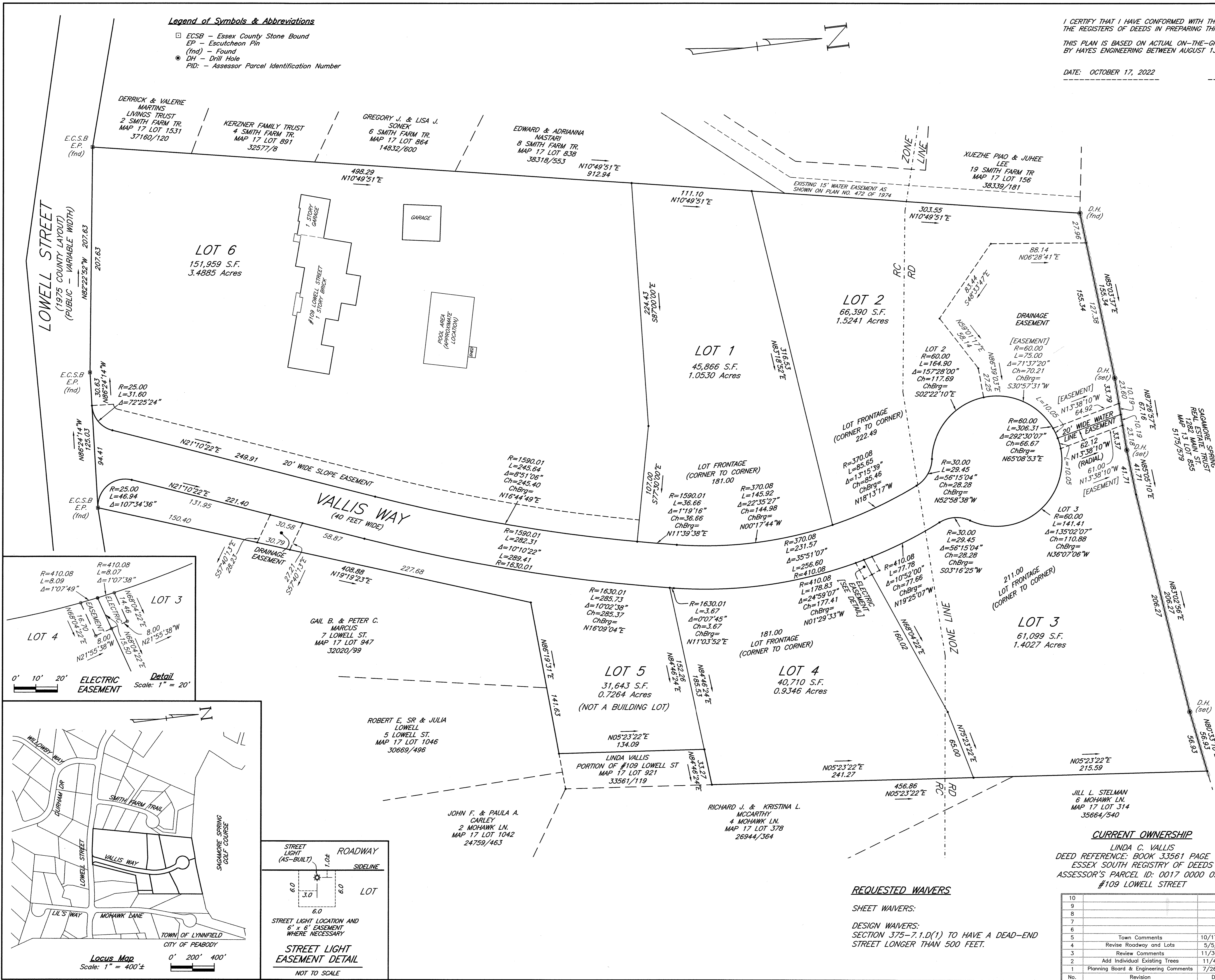
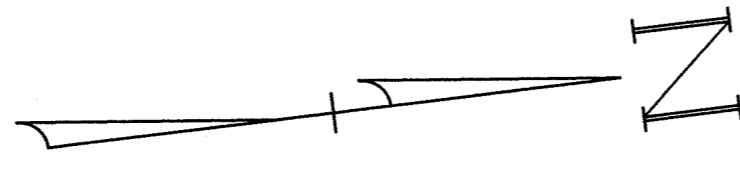
- E.C.S.B. - Essex County Stone Bound
- EP - Escutcheon Pin
- (fnd) - Found
- DH - Drill Hole
- PID: - Assessor Parcel Identification Number

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

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

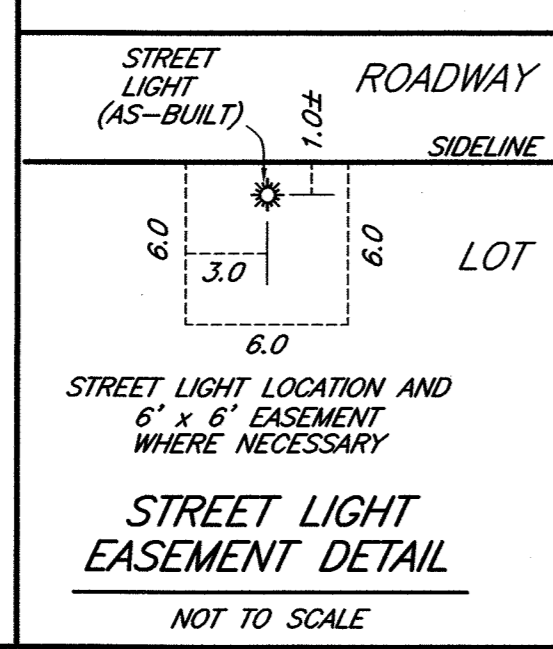
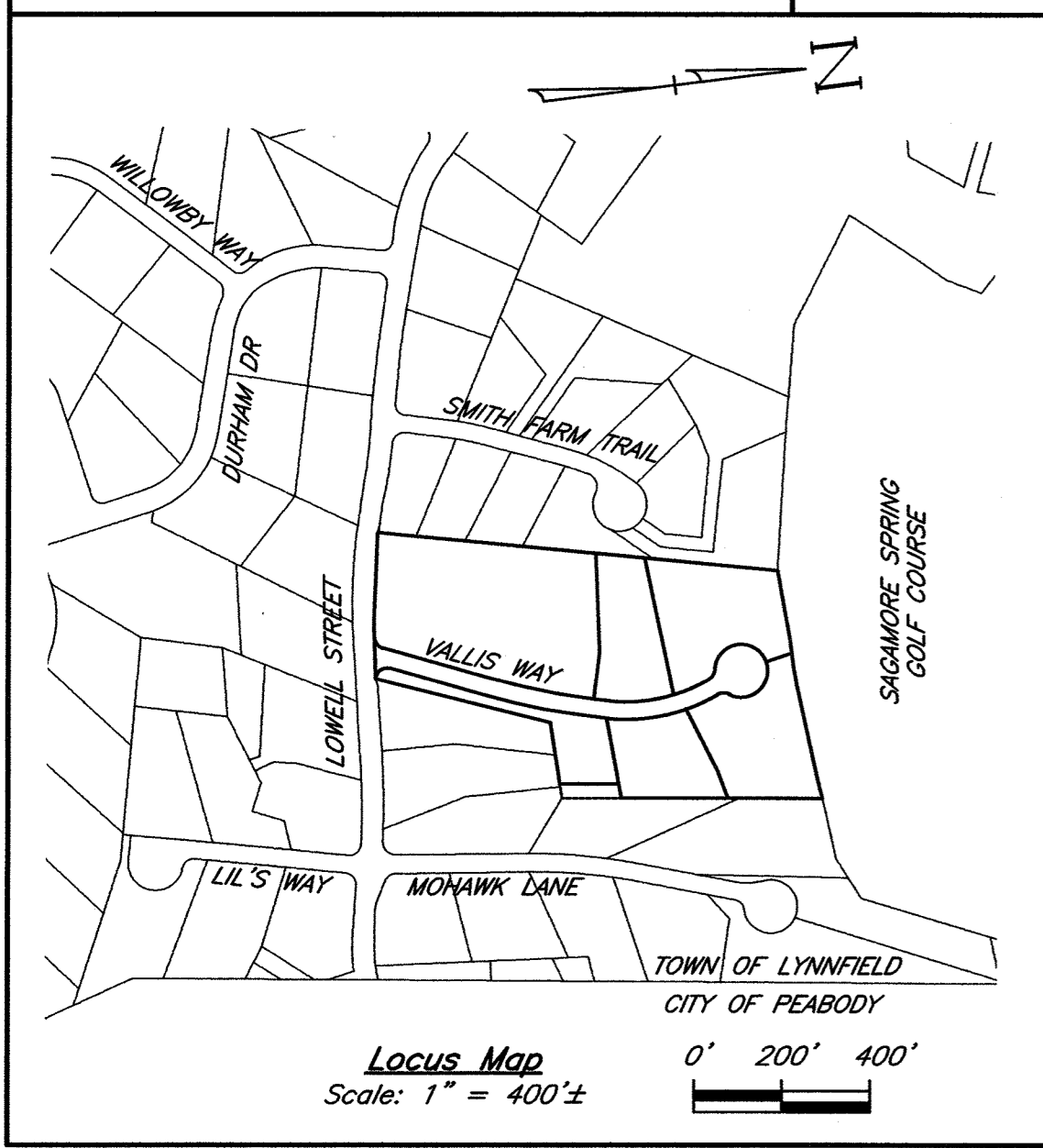
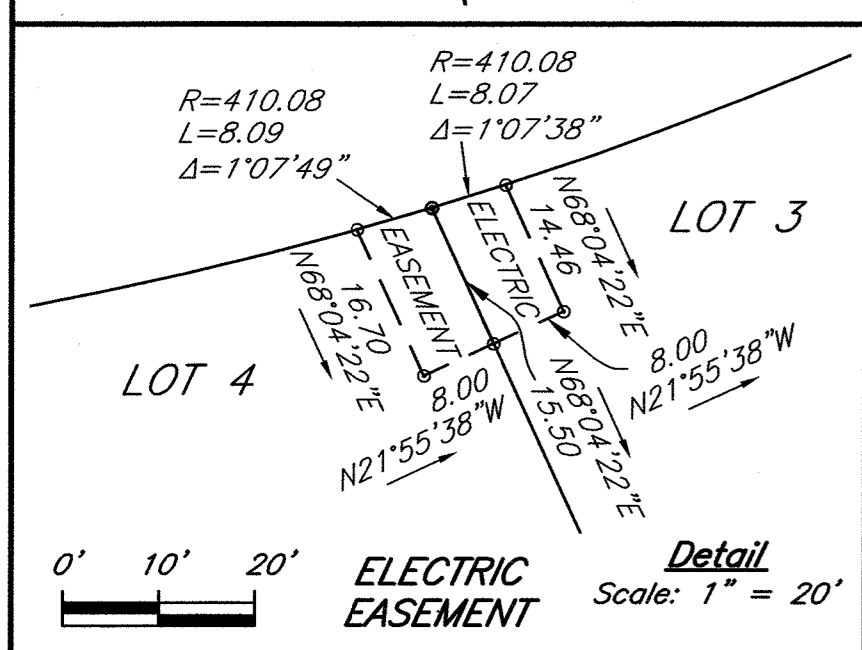
**RESIDENCE D**  
 MINIMUM LOT AREA = 60,000 S.F.  
 MINIMUM LOT FRONTAGE = 210 FEET (CORNER TO CORNER)  
 MINIMUM LOT WIDTH = 168 FEET (80% FRONTAGE)  
 MAXIMUM PERMITTED LOT COVERAGE = 35%  
 LOT SHAPE = NOT > 20° FROM PERPENDICULAR FOR A DISTANCE OF AT LEAST 30% OF THE FRONTAGE (63 FEET)  
 PERMITTED LOT COVERAGE = 35%  
 MINIMUM SETBACKS:  
 FRONT = 40 FEET (80 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)



**LOTING PLAN**

Seal of Thomas E. Winslow, Professional Land Surveyor #30320, dated 10-17-2022.

**DEFINITIVE PLAN**  
**VALLIS WAY**  
**LYNNFIELD, MASS.**  
 ASSESSOR'S 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'

December 14, 2021

|     |                                       |                          |
|-----|---------------------------------------|--------------------------|
| 10  | LYNNFIELD PLANNING BOARD              | Application Filed: _____ |
| 9   |                                       | Final Plan Filed: _____  |
| 8   |                                       | Hearing Date: _____      |
| 7   |                                       | Plan Approved: _____     |
| 6   |                                       | Plan Signed: _____       |
| 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                |
| No. | Revision                              | Date                     |

DEFINITIVE SHEET 1 OF 1  
 SET SHEET 1 OF 1

**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:**

**DESIGN WAIVERS:**  
 SECTION 375-7.1.D(1) TO HAVE A DEAD-END STREET LONGER THAN 500 FEET.

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

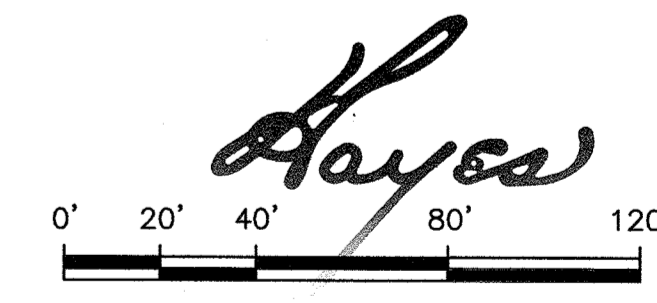
LINDA C. VALLIS  
DEED REFERENCE: BOOK 33561 PAGE 119 ESSEX SOUTH  
REGISTRY OF DEEDS  
ASSESSOR'S PARCEL ID: 0017-0000-0921  
#109 LOWELL STREET

REQUESTED WAIVERS

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

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

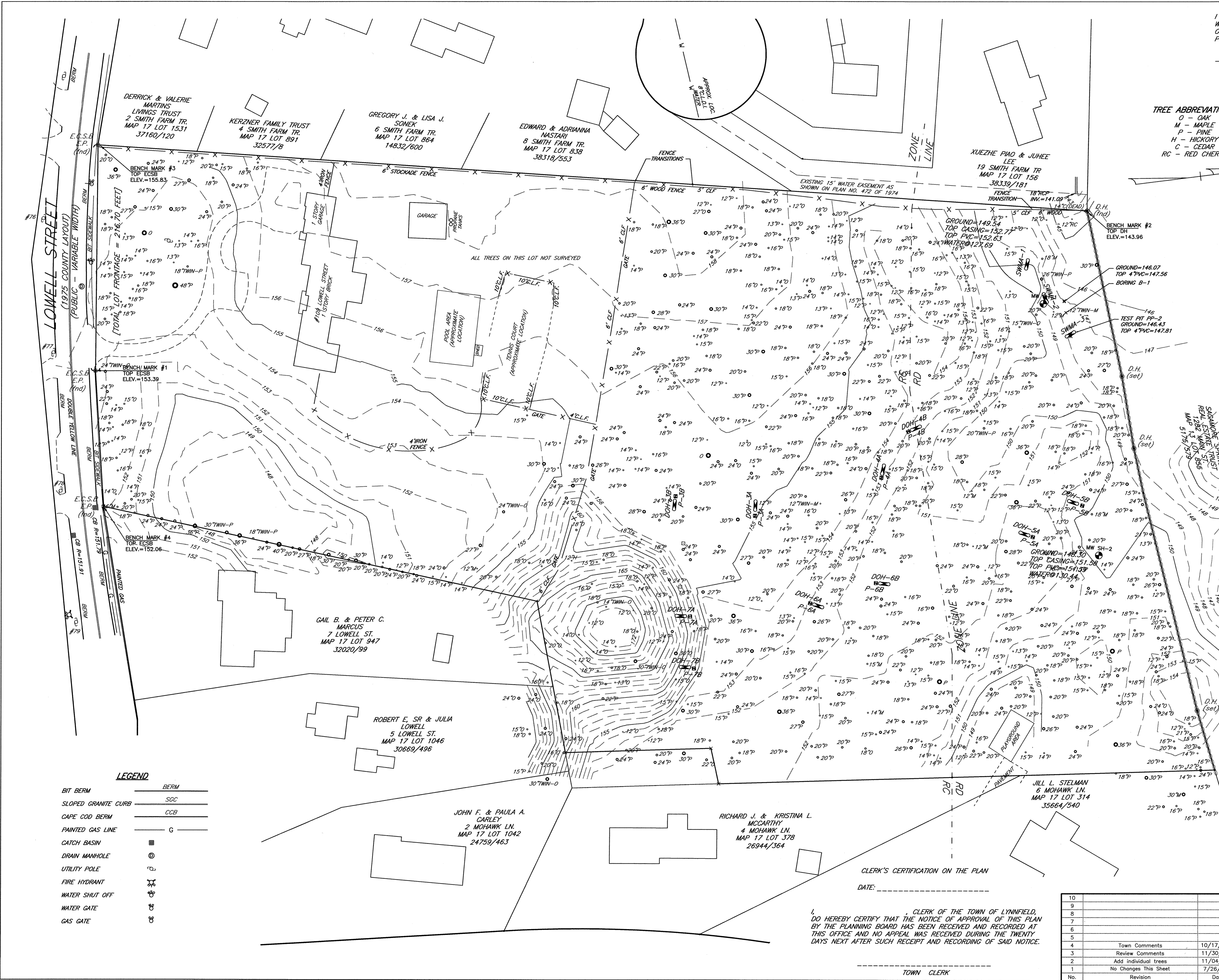
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|--------------------------|--------------------------|
| LYNNFIELD PLANNING BOARD | Application Filed: _____ |
|                          | Final Plan Filed: _____  |
|                          | Hearing Date: _____      |
|                      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

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| 10  |                       |            |
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| 6   |                       |            |
| 5   |                       |            |
| 4   | Town Comments         | 10/17/2022 |
| 3   | Review Comments       | 11/30/2021 |
| 2   | Add individual trees  | 11/04/2021 |
| 1   | No Changes This Sheet | 7/26/2021  |
| No. | Revision              | Date       |

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



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

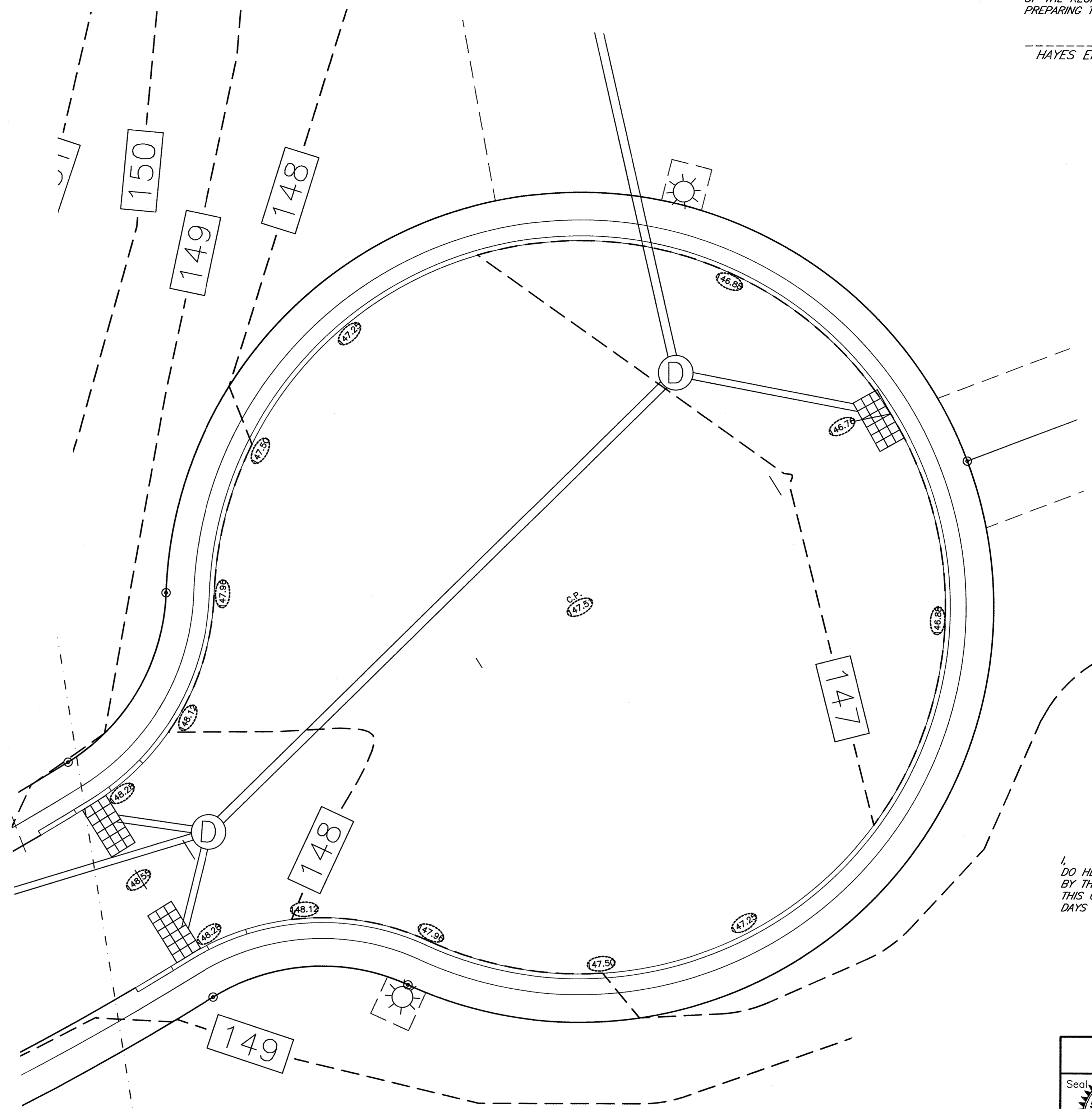
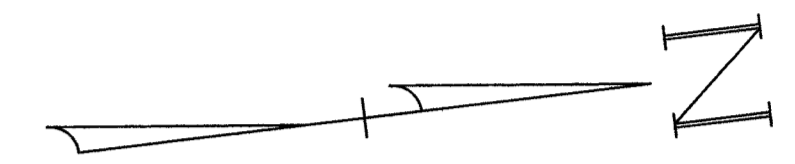
- BERM
- SGC
- CCB
- G





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

HAYES ENGINEERING, INC.



LOWELL STREET

VALLIS WAY

CCB

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

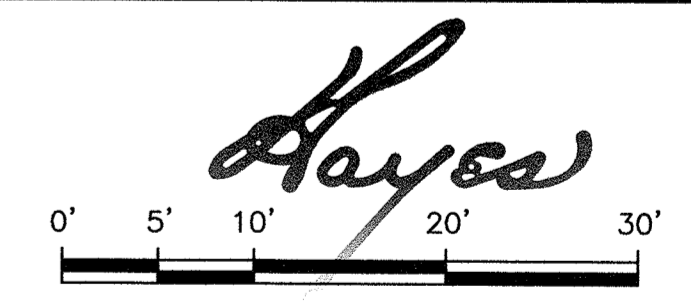
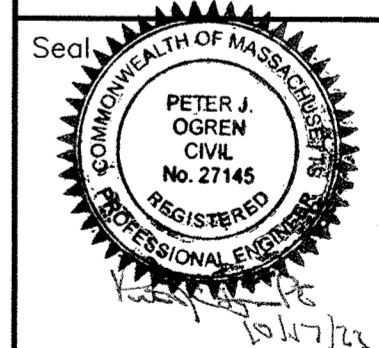
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\_\_\_\_\_  
TOWN CLERK

**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

**TOPOGRAPHIC 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"=10' April 12, 2021

| No. | Revision                              | Date       |
|-----|---------------------------------------|------------|
| 10  |                                       |            |
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| 5   |                                       |            |
| 4   | Town Comments                         | 10/17/2022 |
| 3   | Review Comments                       | 11/30/2021 |
| 2   | Add Individual Trees                  | 11/4/2021  |
| 1   | Planning Board & Engineering Comments | 7/26/2021  |

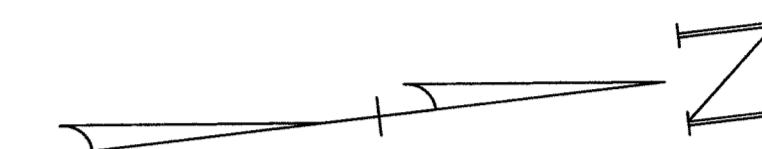
LYNNFIELD PLANNING BOARD

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

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

HAYES ENGINEERING, INC.



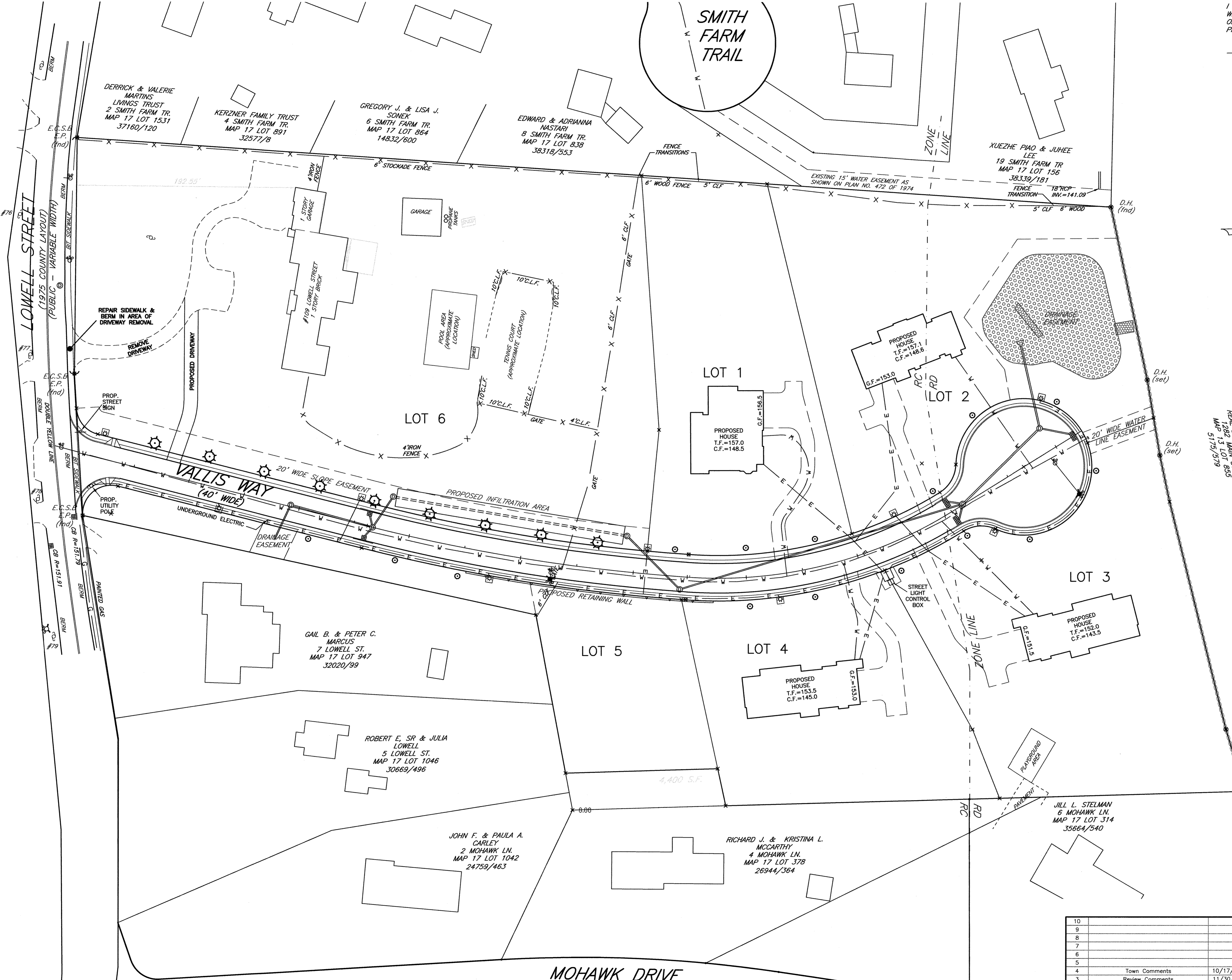
CLERK'S CERTIFICATION ON THE PLAN

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

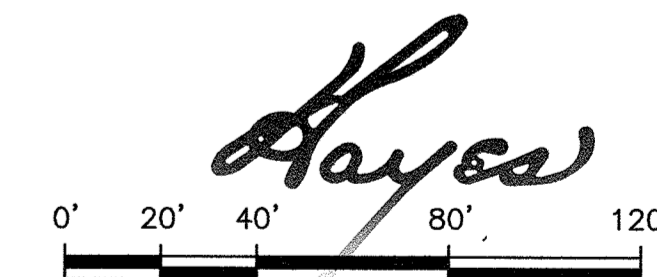
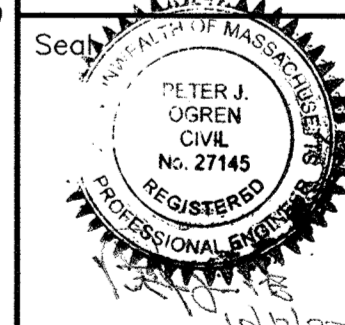
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TOWN CLERK

SAGMORE SPRING  
SEAGUL TRUST  
1282 MAIN ST.  
MAP 13 LOT 895  
5179/919



**STREET LIGHTING 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  
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Scale: 1"=40' April 12, 2021

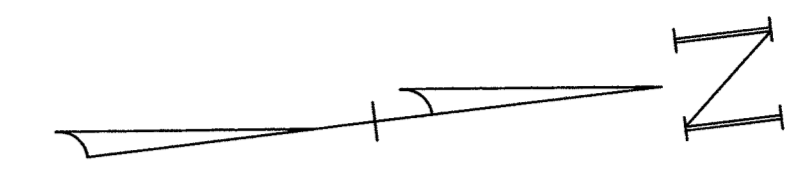
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| 4   | Town Comments                         | 10/17/2022 |
| 3   | Review Comments                       | 11/30/2021 |
| 2   | No Changes this Sheet                 | 11/4/2021  |
| 1   | Planning Board & Engineering Comments | 7/26/2021  |

|                              |                          |
|------------------------------|--------------------------|
| 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>     |                          |

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

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 CPPP IN THE STORMWATER REPORT FOR OPERATIONAL DETAILS.

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.

CLERK'S CERTIFICATION ON THE PLAN

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TOWN CLERK



**EROSION CONTROL PLAN**

Seal: *Peter J. O'Brien*

Scale: 1" = 40'

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

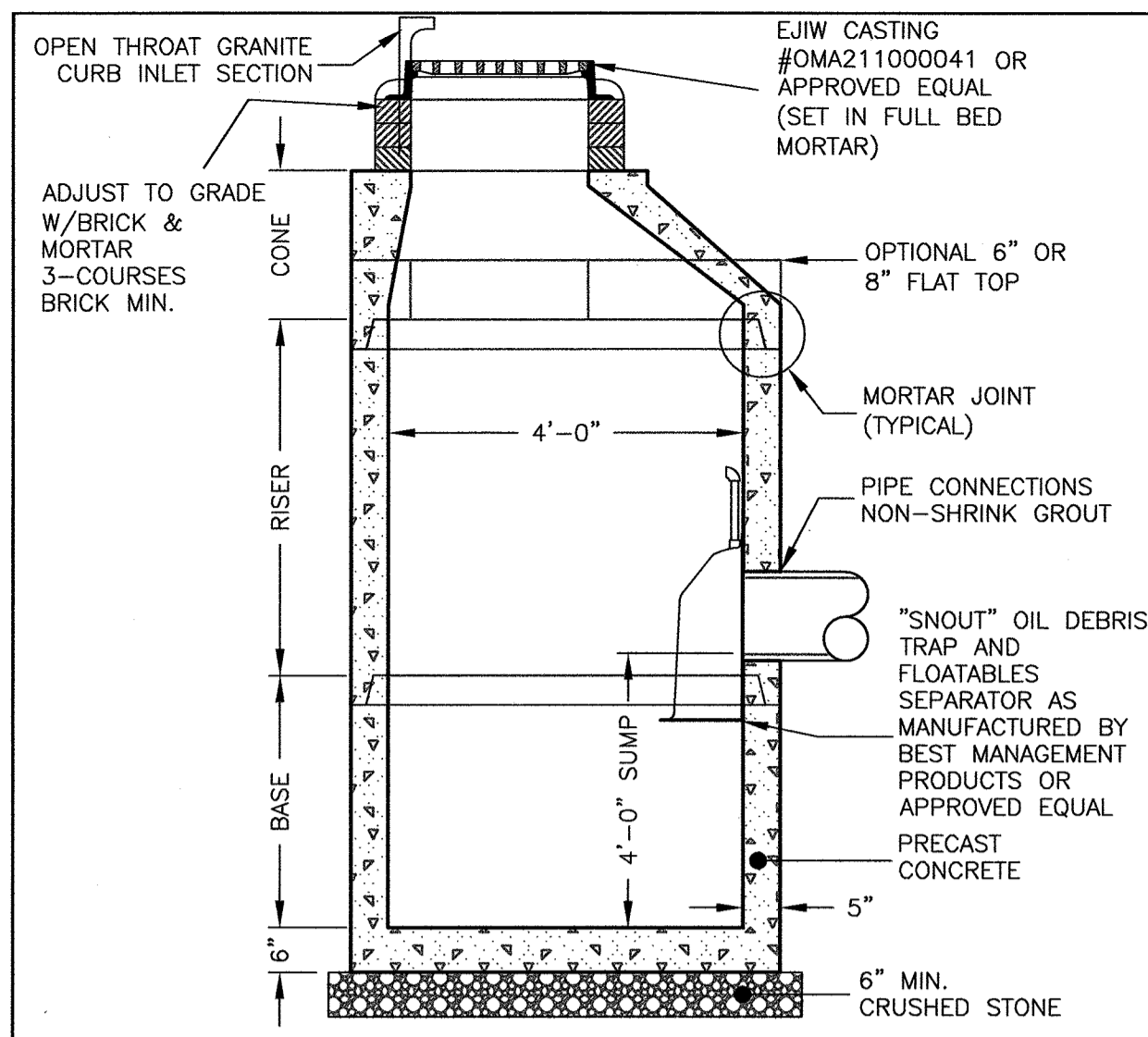
OWNER: LINDA C. VALLIS, 109 LOWELL STREET, LYNNFIELD, MA 01940  
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Scale: 1" = 40' April 12, 2021

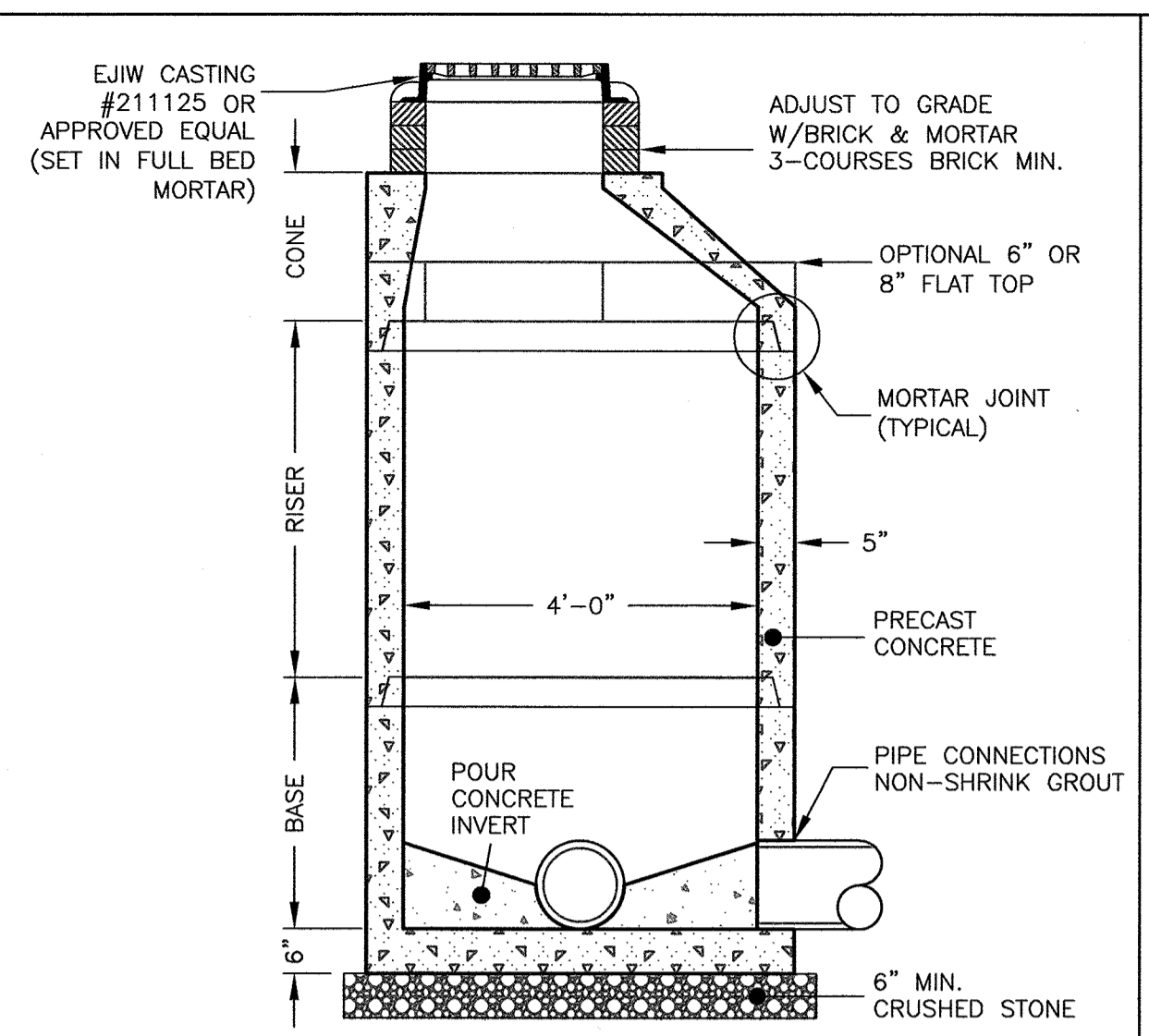
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| 4   | Town Comments                         | 10/17/2022 |
| 3   | Review Comments                       | 11/30/2021 |
| 2   | No Changes this Sheet                 | 11/4/2021  |
| 1   | Planning Board & Engineering Comments | 7/26/2021  |
| No. | Revision                              | Date       |

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

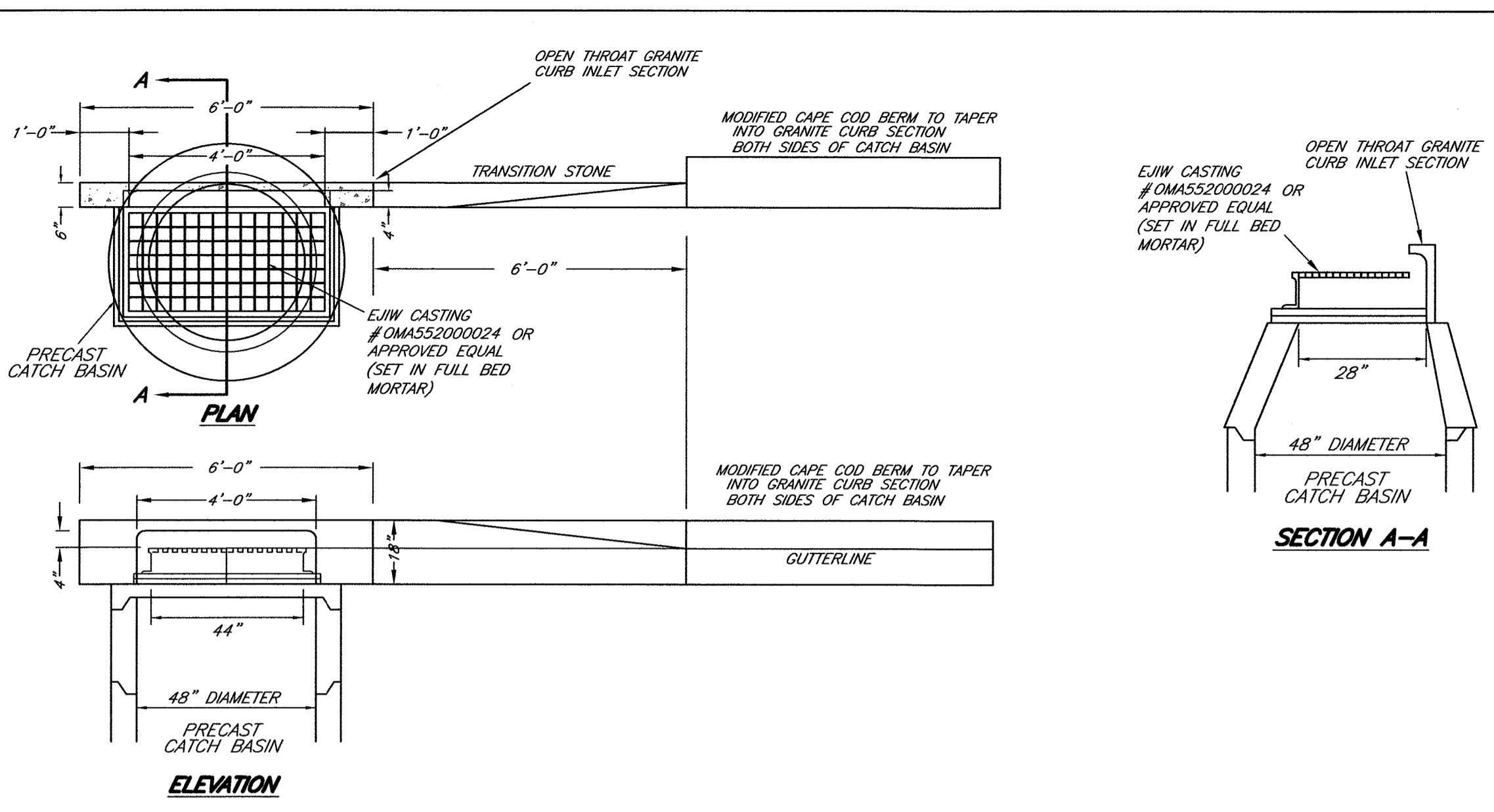
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NOTES:  
 1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.  
 2. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.  
 3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST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



NOTES:  
 1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.  
 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."



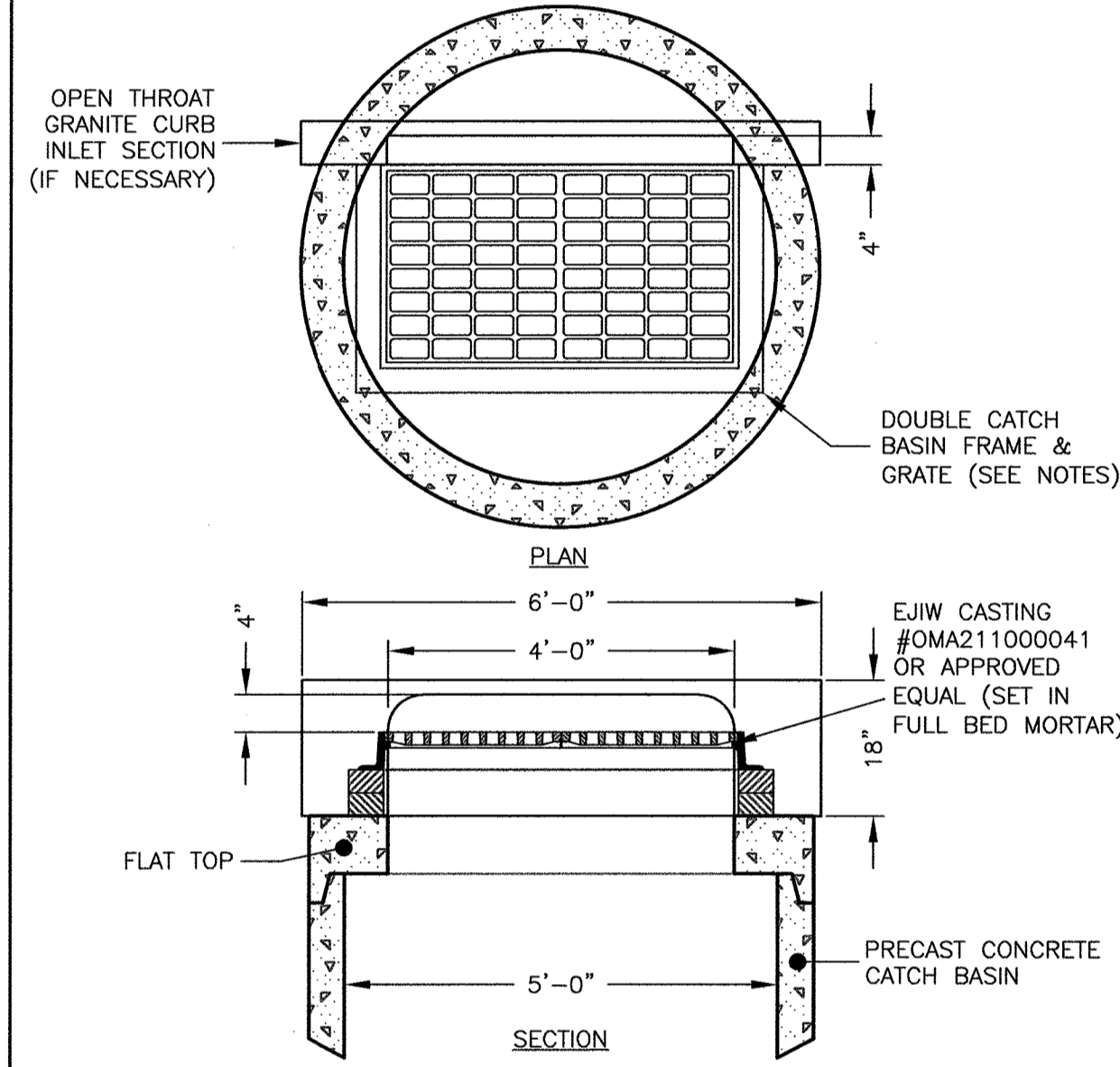
I CERTIFY THAT I HAVE CONFORMED WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS IN PREPARING THIS PLAN.  
 HAYES ENGINEERING, INC.

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

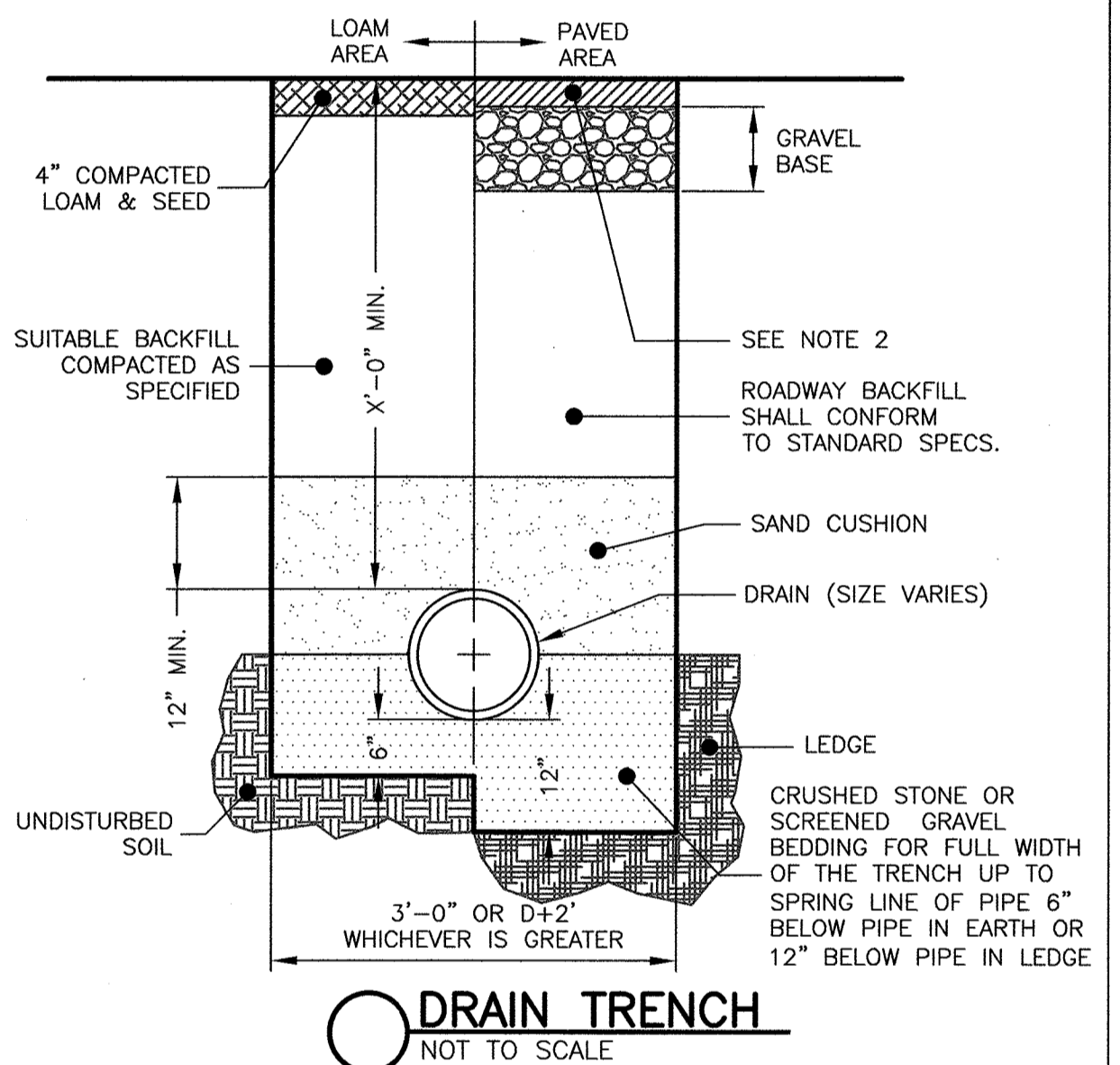
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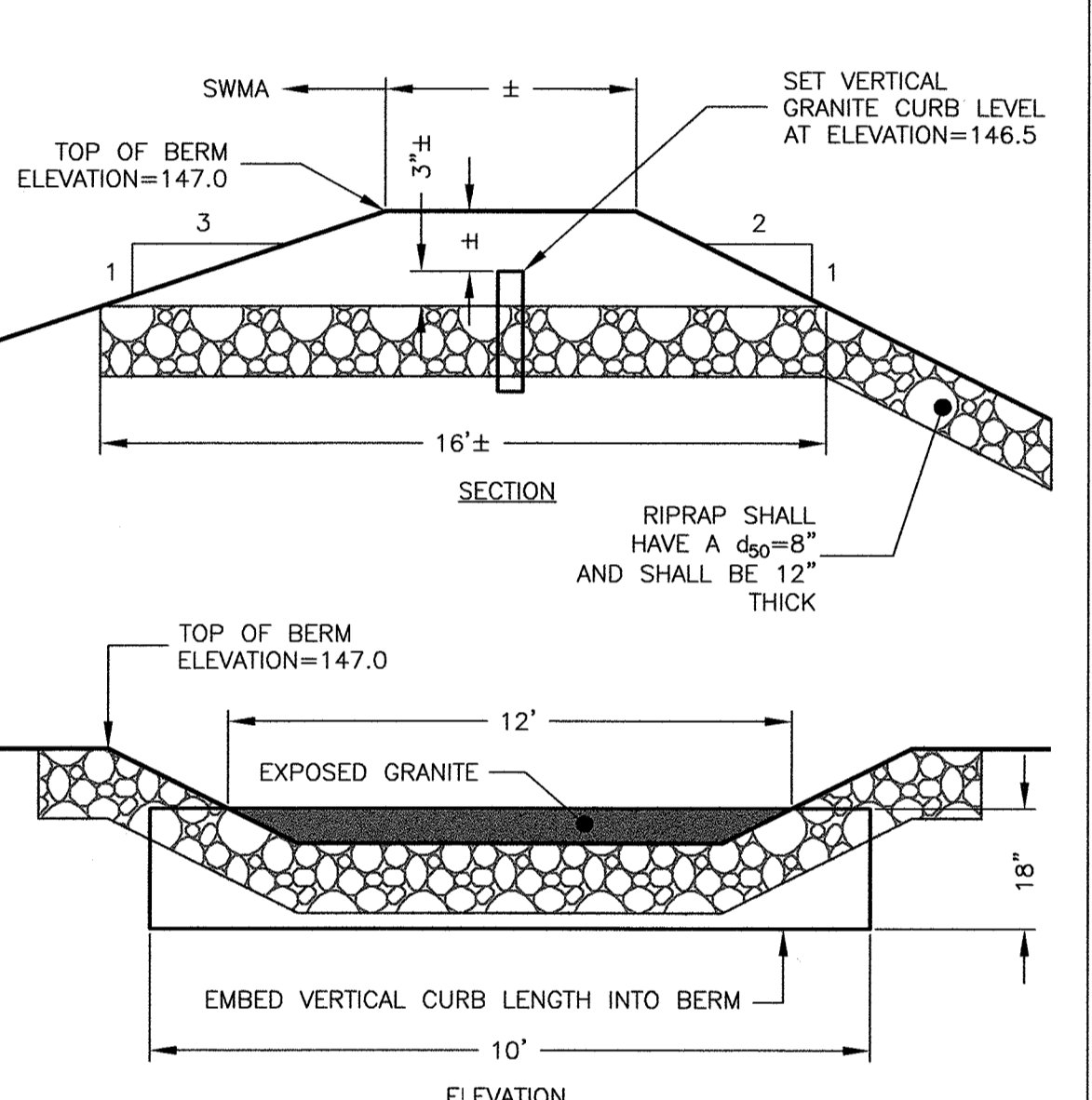
\_\_\_\_\_  
 TOWN CLERK



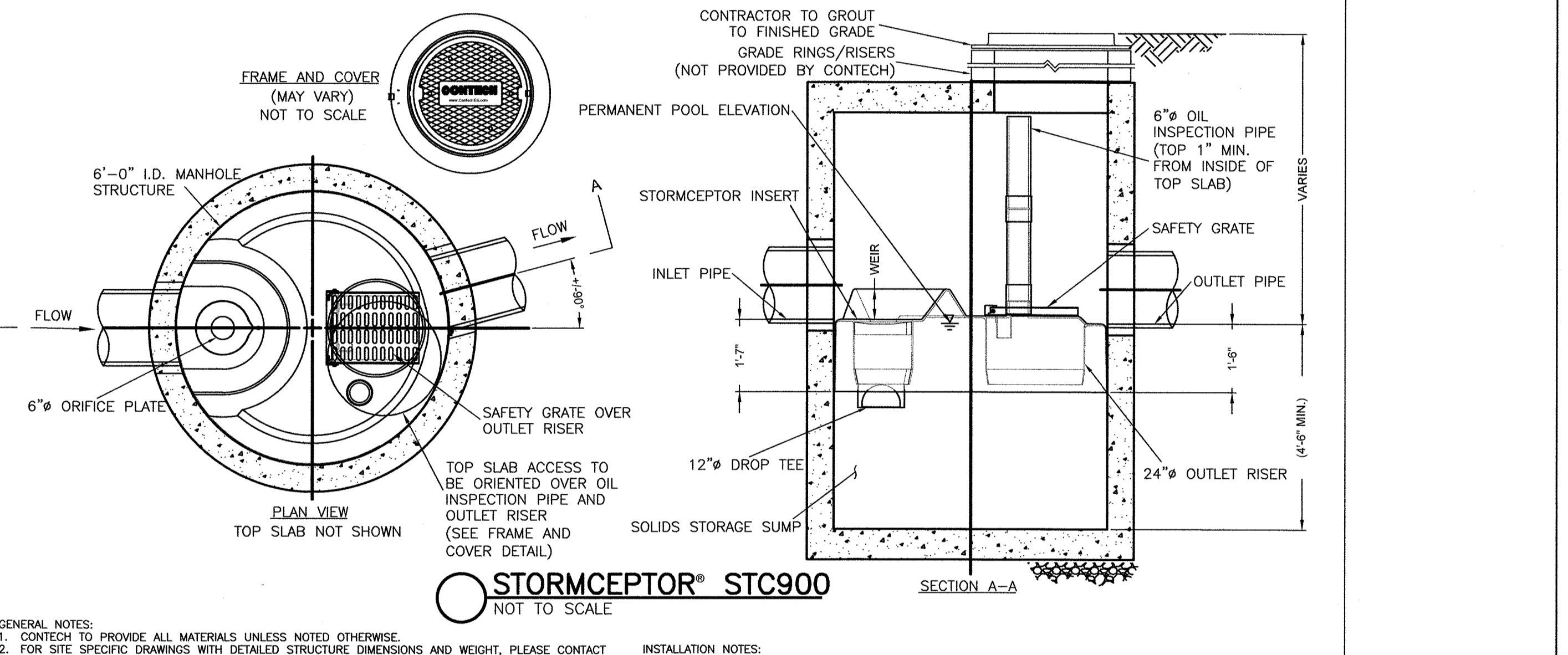
NOTES:  
 1. ON SLOPES USE LEBARON LV2448-2-000 FRAME W/LEBARON LK120D-300 3 FLANGE CASCADE GRATE OR APPROVED EQUAL.  
 2. AT LOW POINTS USE LEBARON LV2448-2-000 FRAME W/LEBARON LF248-2-000 3 FLANGE GRATE OR APPROVED EQUAL.



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 REQUIRED IN KIND WHENEVER POSSIBLE.  
 5. A MINIMUM 2' CUTBACK IS REQUIRED AT THE TOP OF THE TRENCH WALL OVER UNDISTURBED MATERIAL.

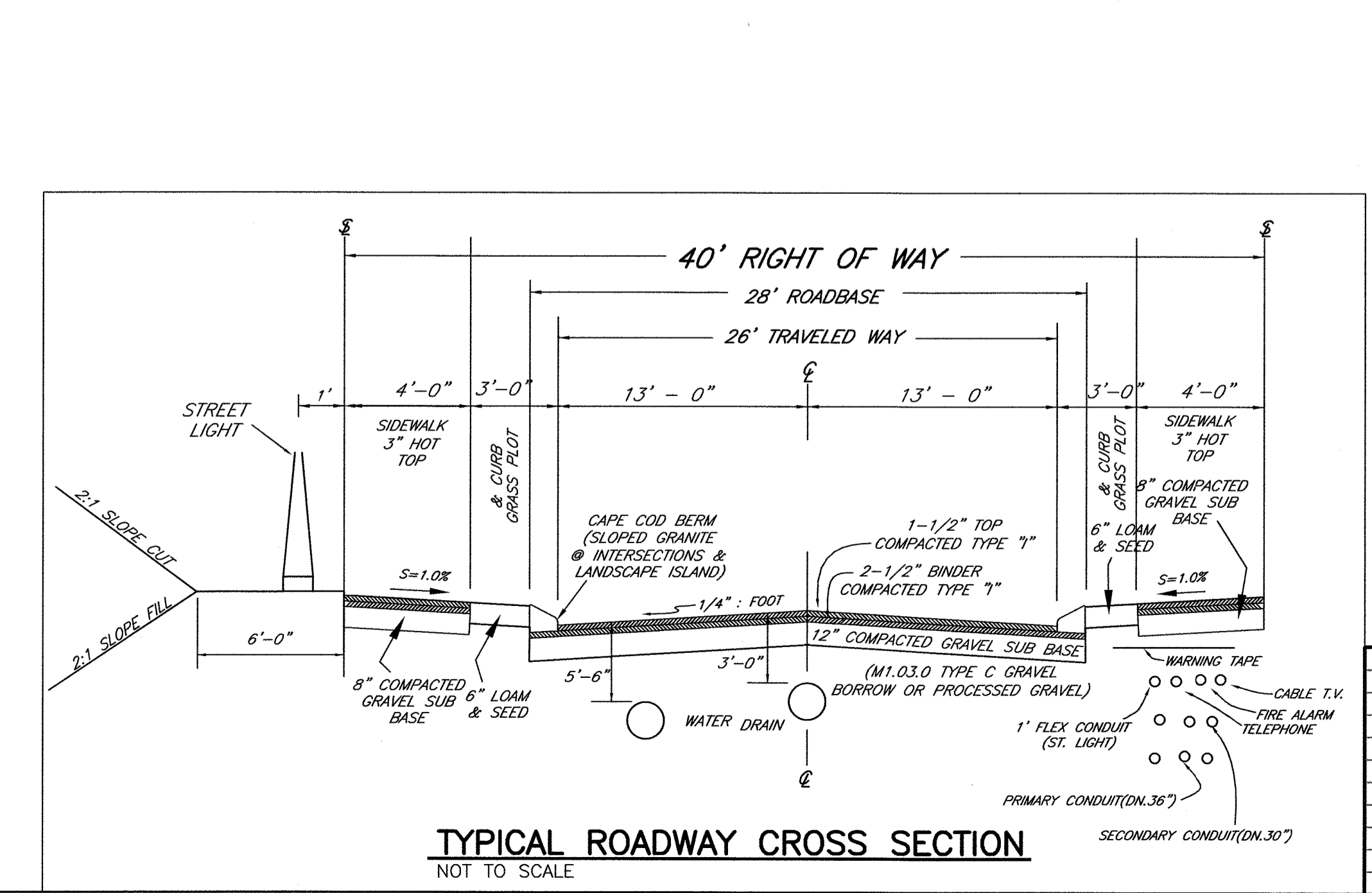
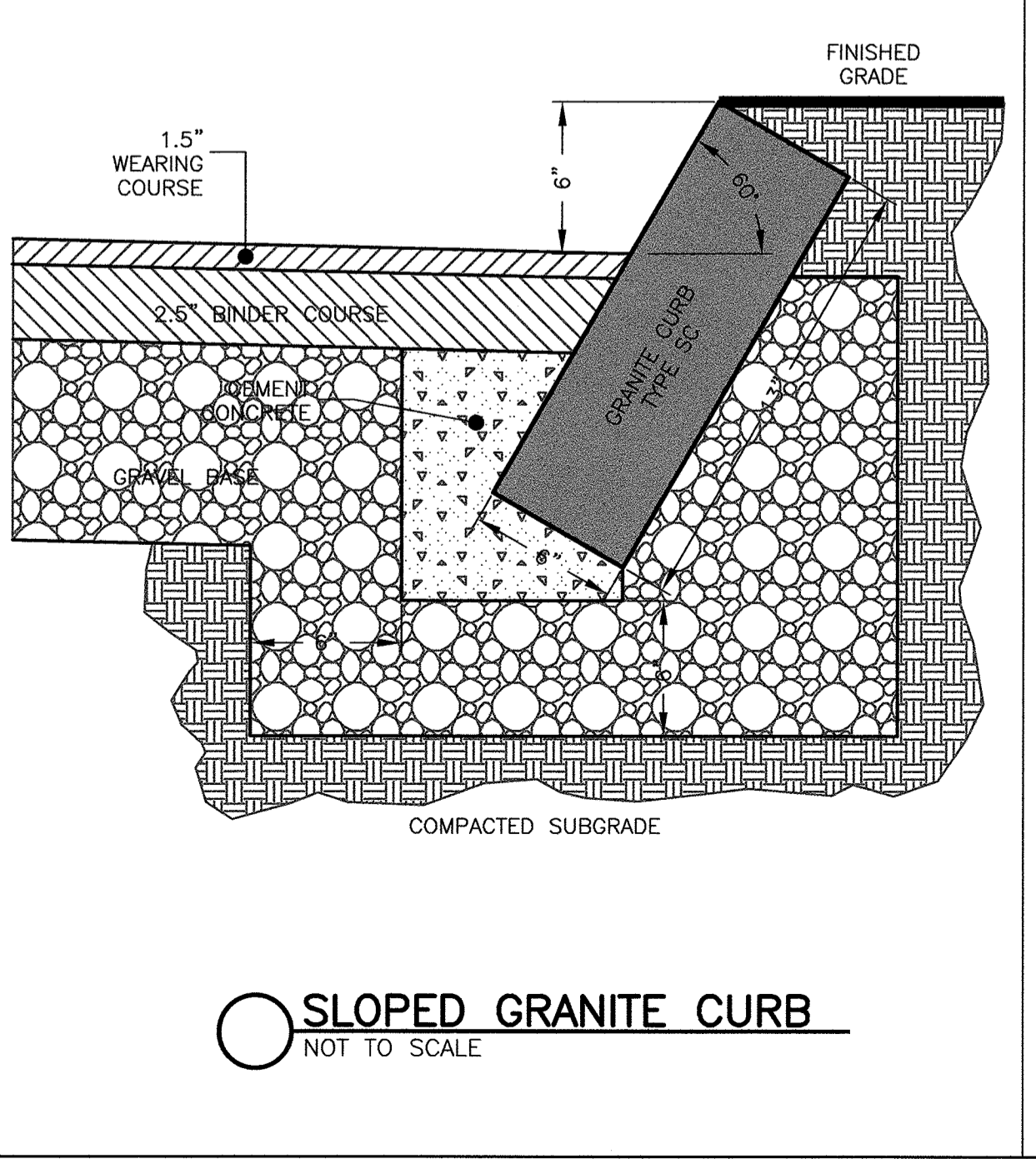
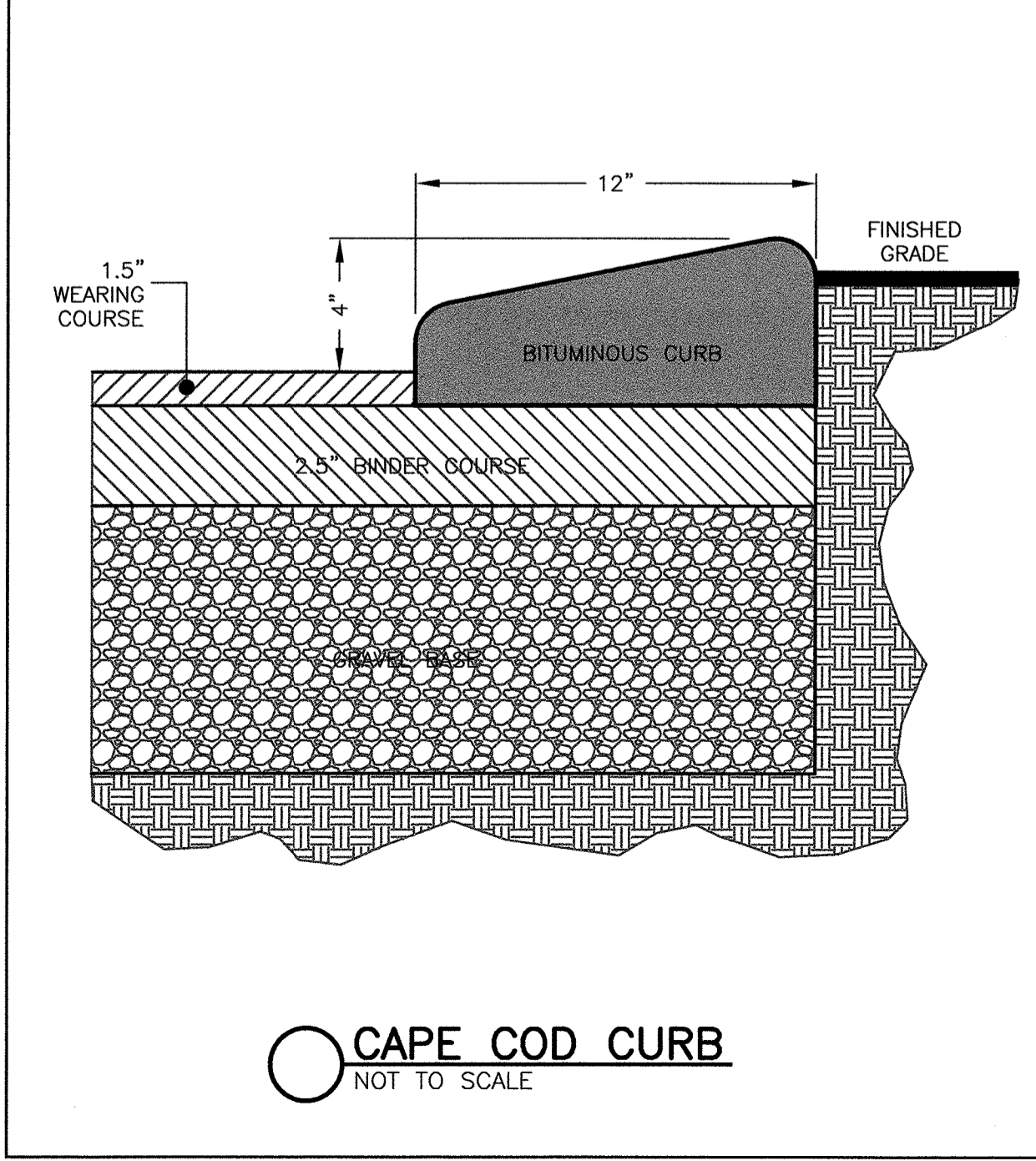


NOTES:  
 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.  
 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com  
 3. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE 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 M506 AND BE CAST WITH THE CONTECH LOGO.  
 5. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.



GENERAL 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 M506 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 ASSEMBLY 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: [Professional Engineer 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

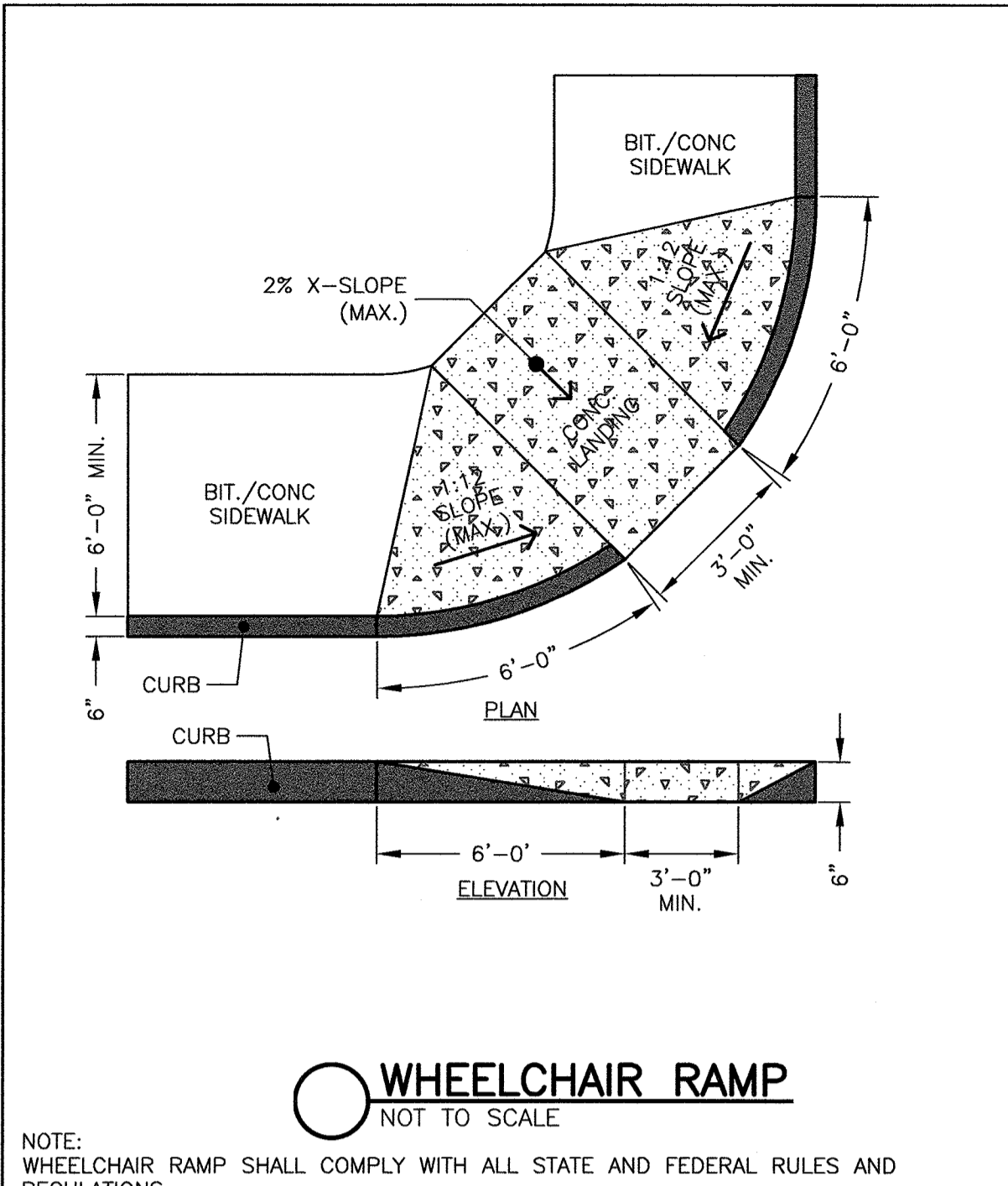
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| 5   |                                       |            |
| 4   | Town Comments                         | 10/17/2022 |
| 3   | Review Comments                       | 11/30/2021 |
| 2   | No Changes this Sheet                 | 11/4/2021  |
| 1   | Planning Board & Engineering Comments | 7/26/2021  |
| No. | Revision                              | Date       |

LYNNFIELD PLANNING BOARD

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

DETAIL SHEET 1 OF 3  
 SET SHEET 8 OF 10





**ALUMINUM ROUND TAPERED AREA LIGHTING POLES 10 TO 20 FEET (3 TO 6 METERS)**

For more decorative pole selections, go to [www.gelighting.com](http://www.gelighting.com)

**AMERICAN REVOLUTION LED LIGHTING POLES**  
Series 247L

**PRODUCT OVERVIEW**

**Features:**

- Die cast aluminum housing and hood for long life performance
- Die cast trigger head (TH) and capstan thumb screw option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type I, Type II and Type III
- Hinged hood and capstan thumb screws provide quick, easy access to internal components and allow for servicing
- Rating with three wet areas allows secure installation in pole sizes 2-5/8" to 4" O.D.
- Strong precision drawn stainless steel ANSI A58-01 Category C1 extra heavy base at 100/1000
- Complies with ANSI C136.2, C136.3, C136.15
- CSA listed and certified up to 30°C ambient
- Rated for use up to 100,000 hours at 25°C
- Replaces up to 1000 WPI light source equivalent models
- LED measures 10-100 lumens/foot
- Designlights Certified (DLC) qualified product. Use all versions of the product may be DLC Qualified. Please check the DLC Qualified Products List [www.dlc.com](http://www.dlc.com) to verify which versions are qualified.

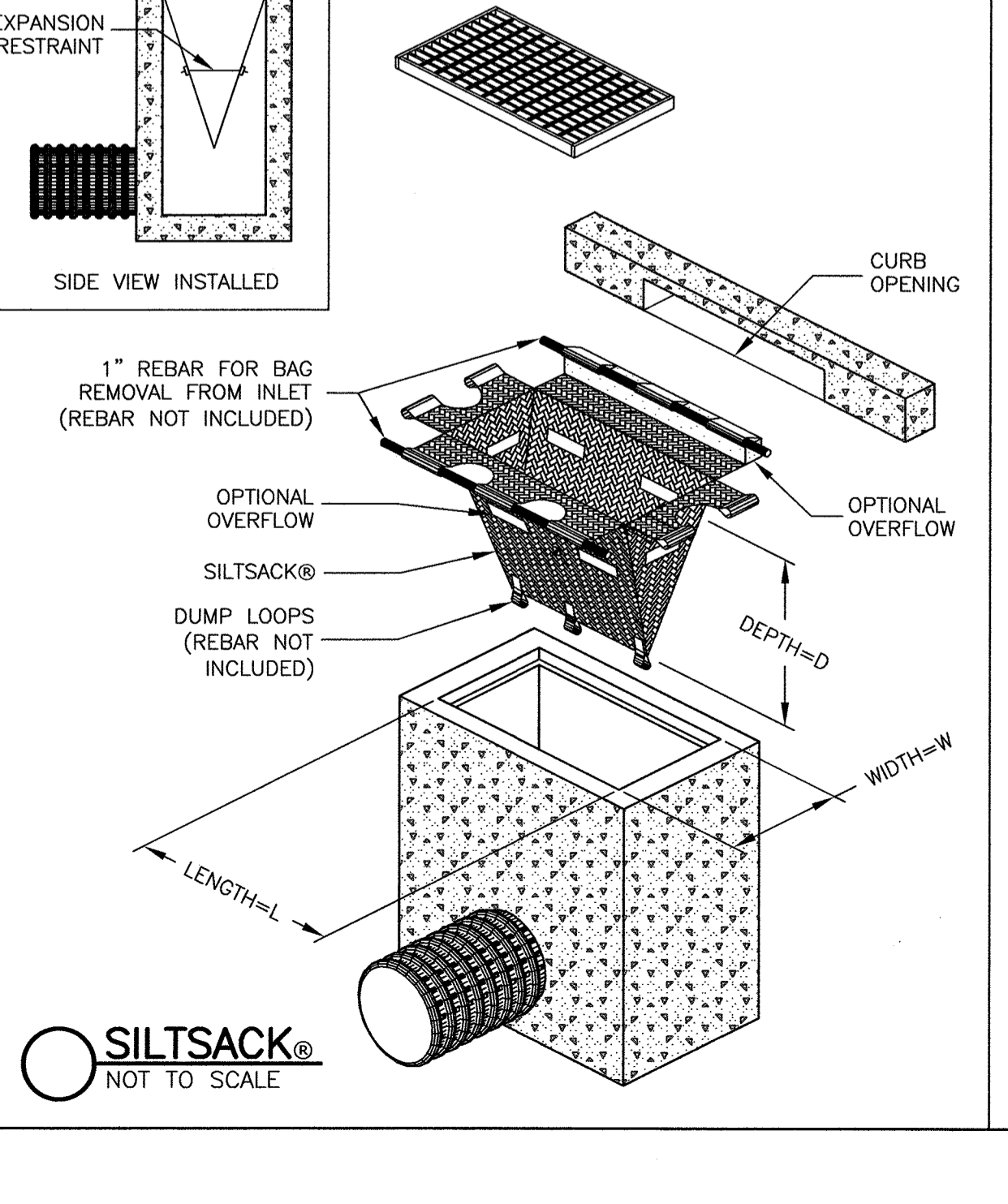
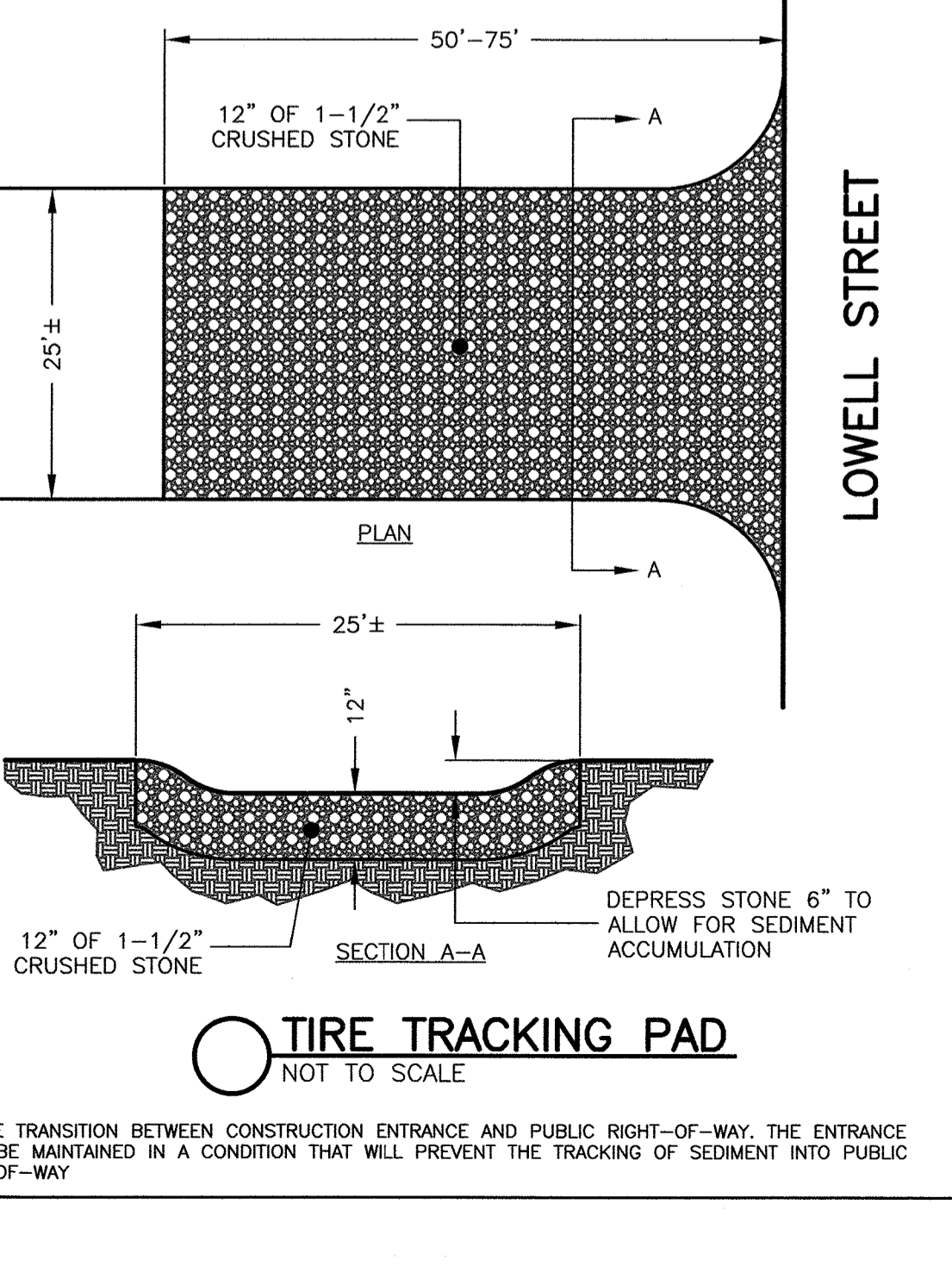
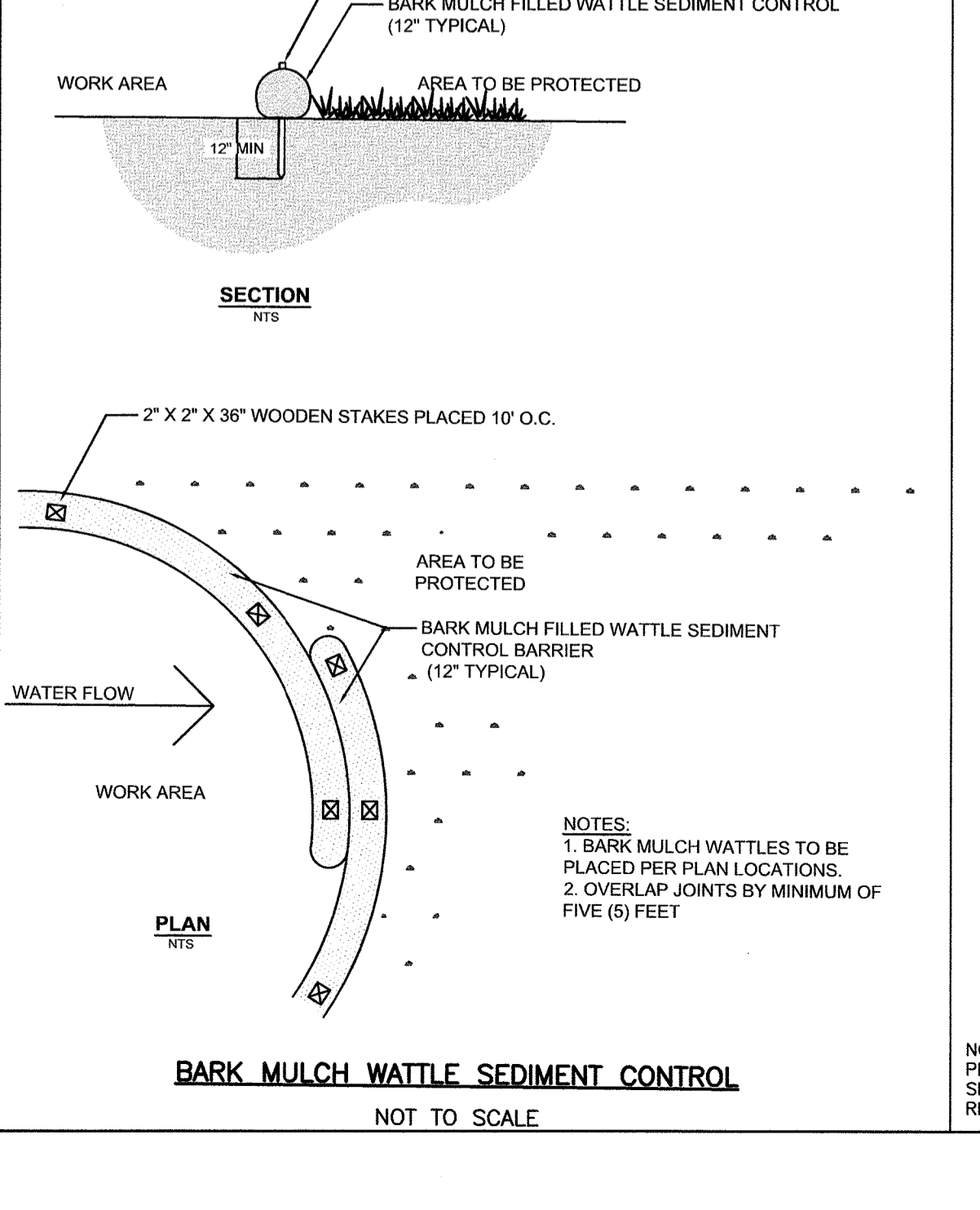
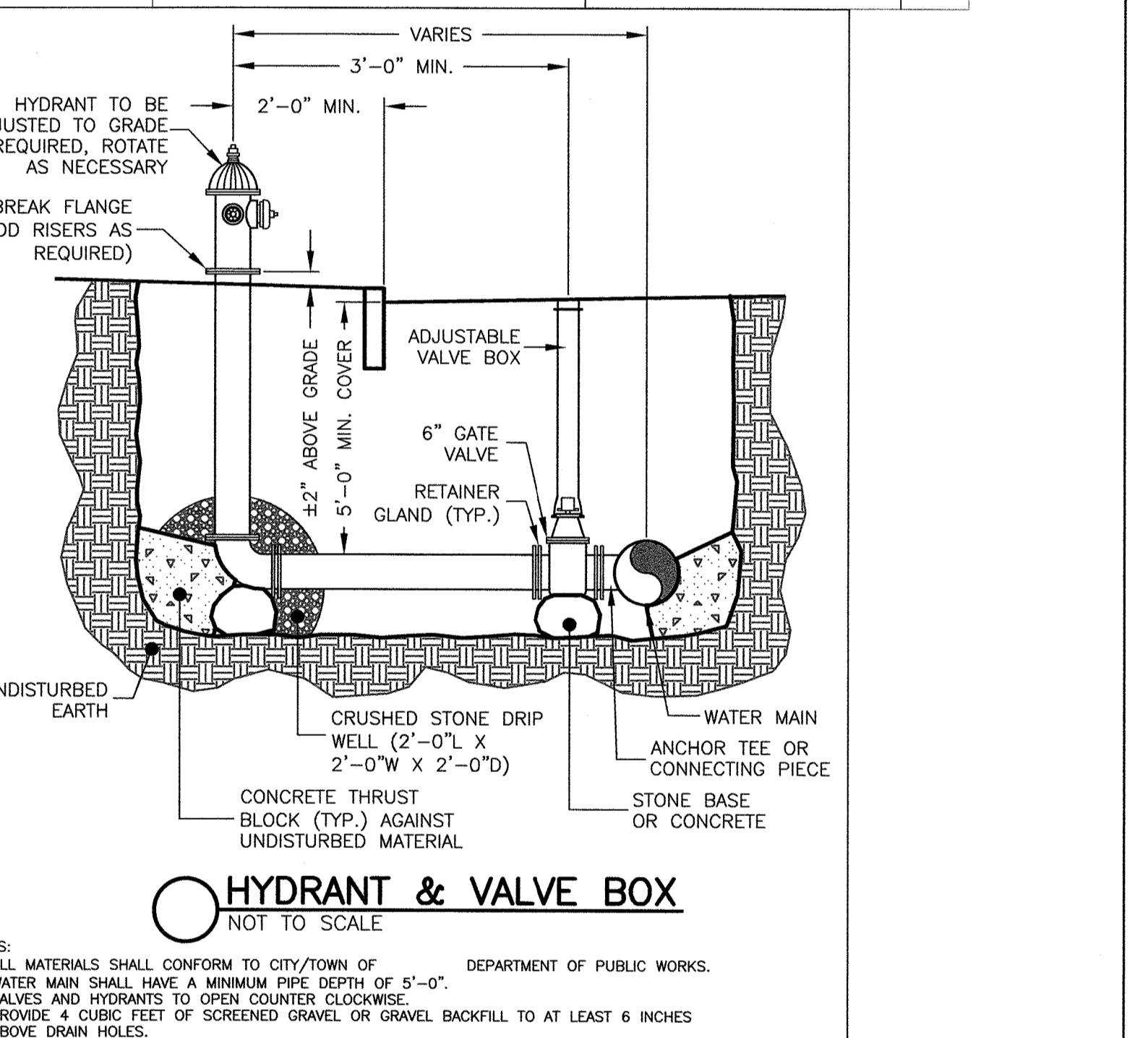
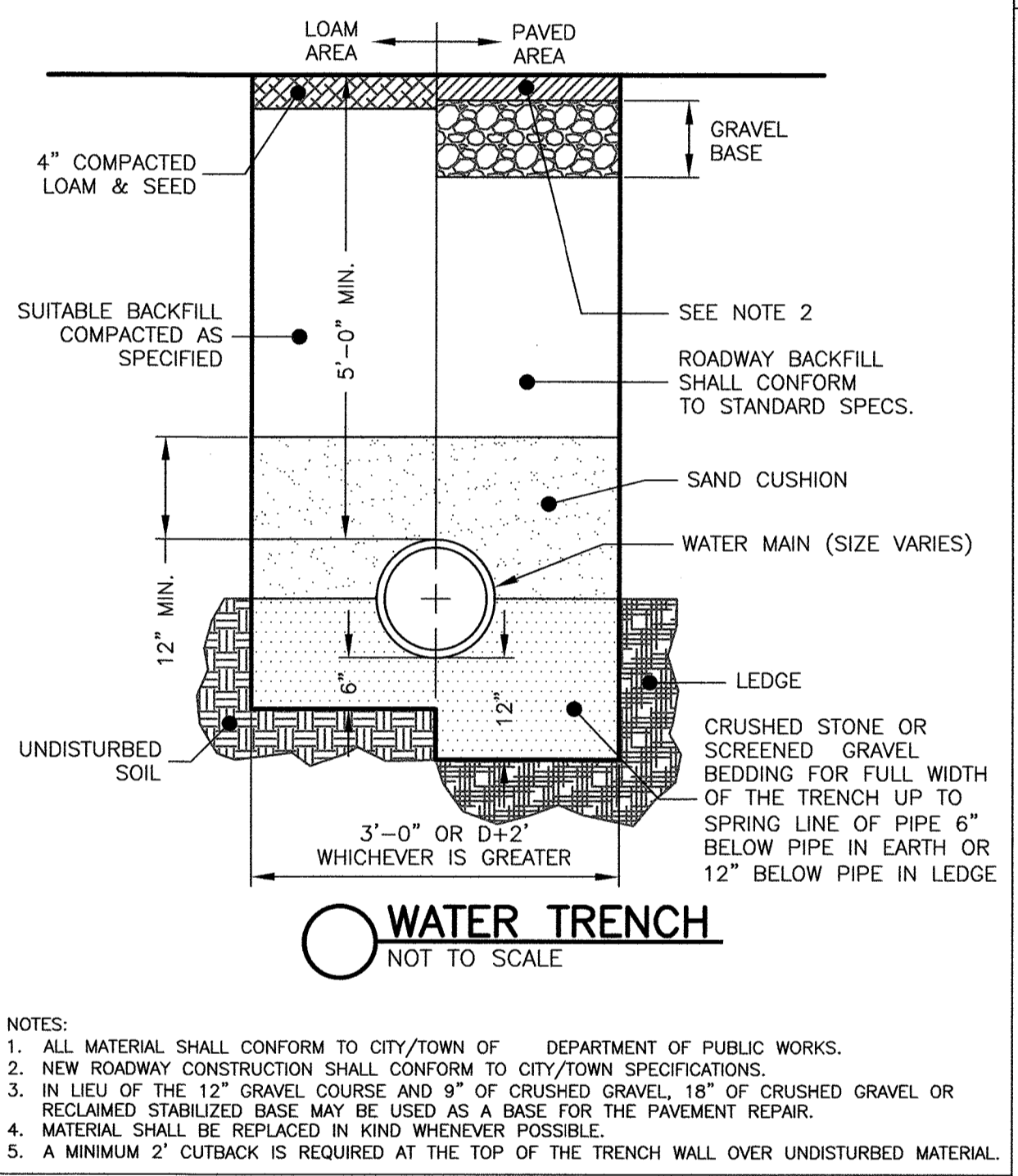
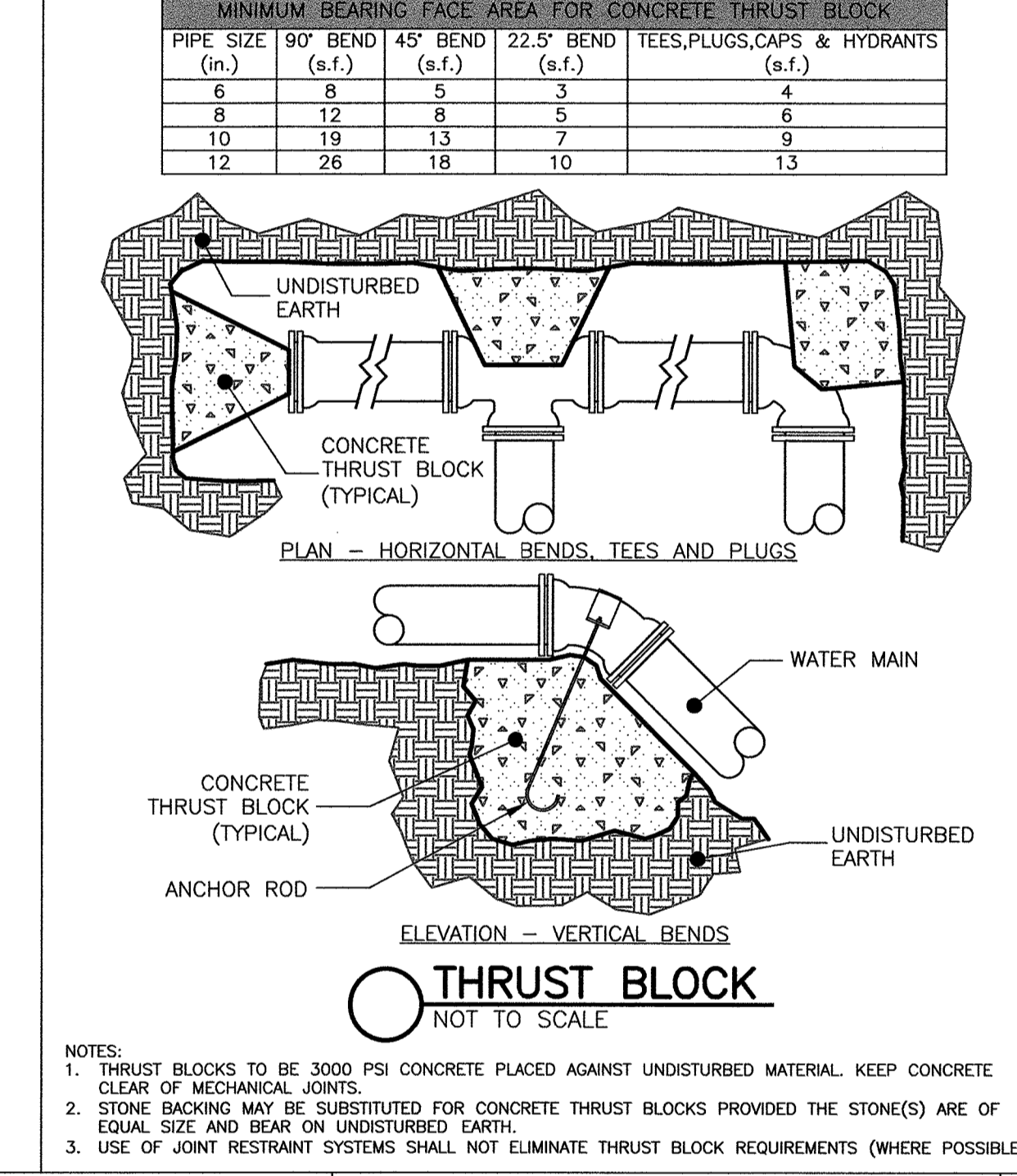
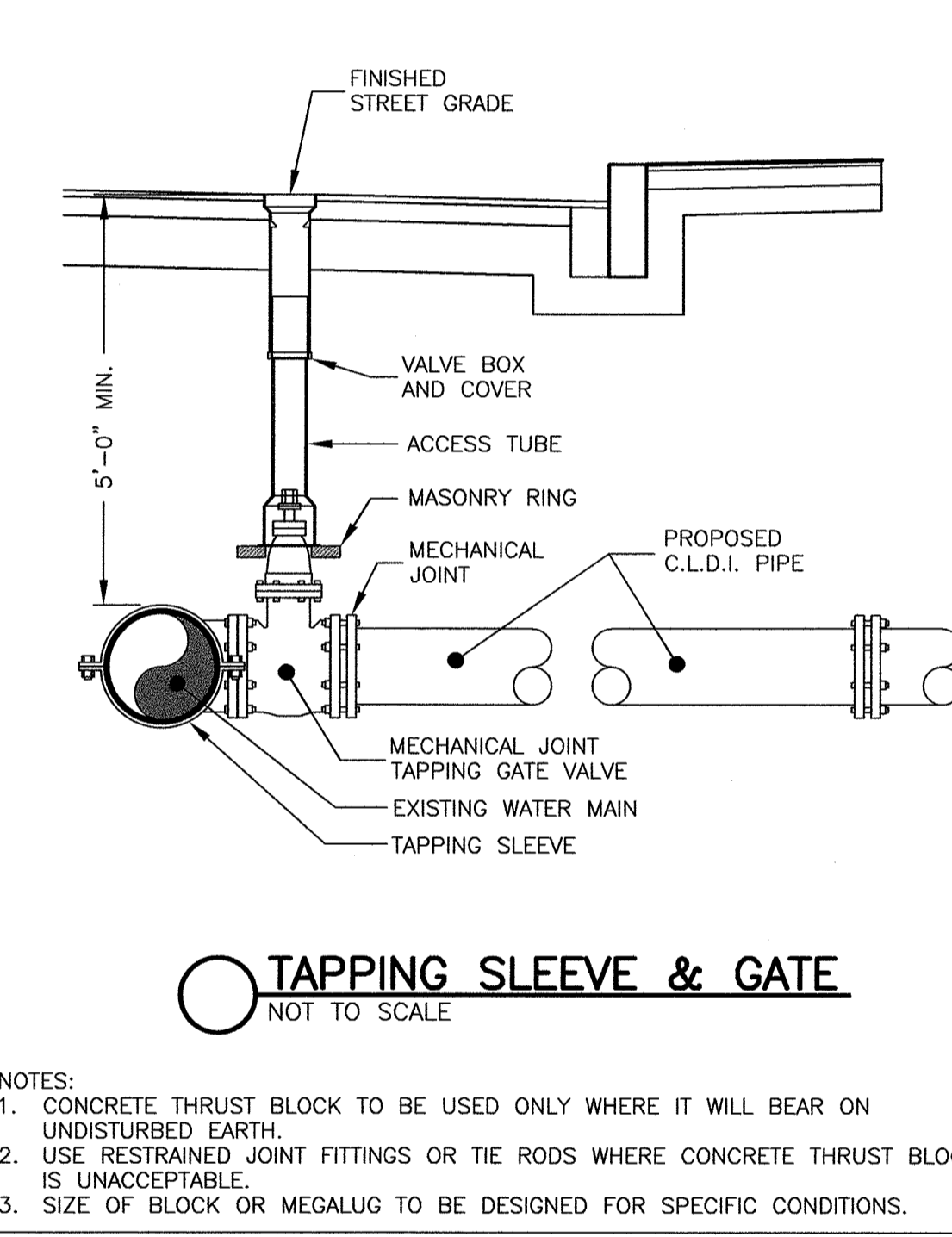
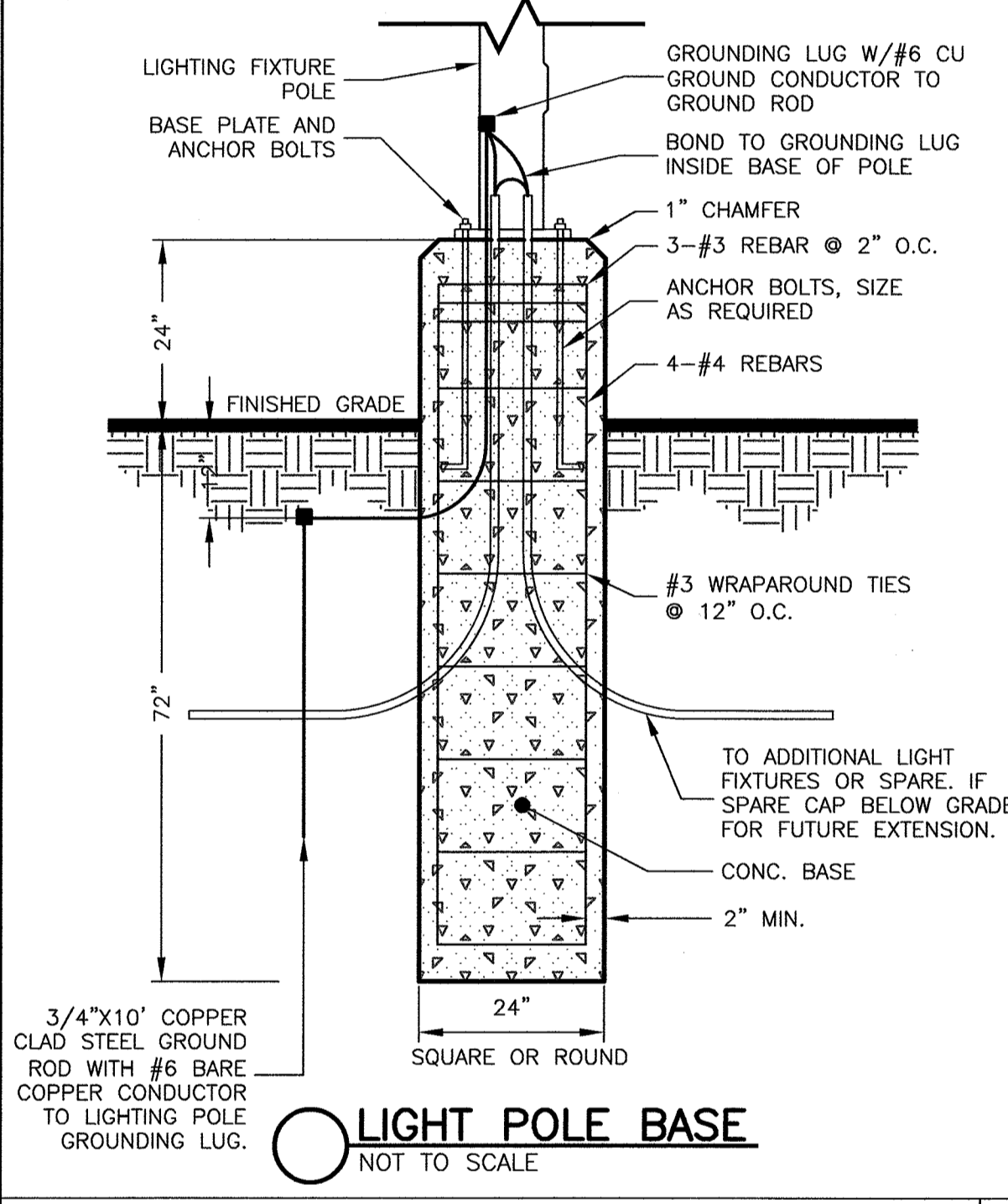
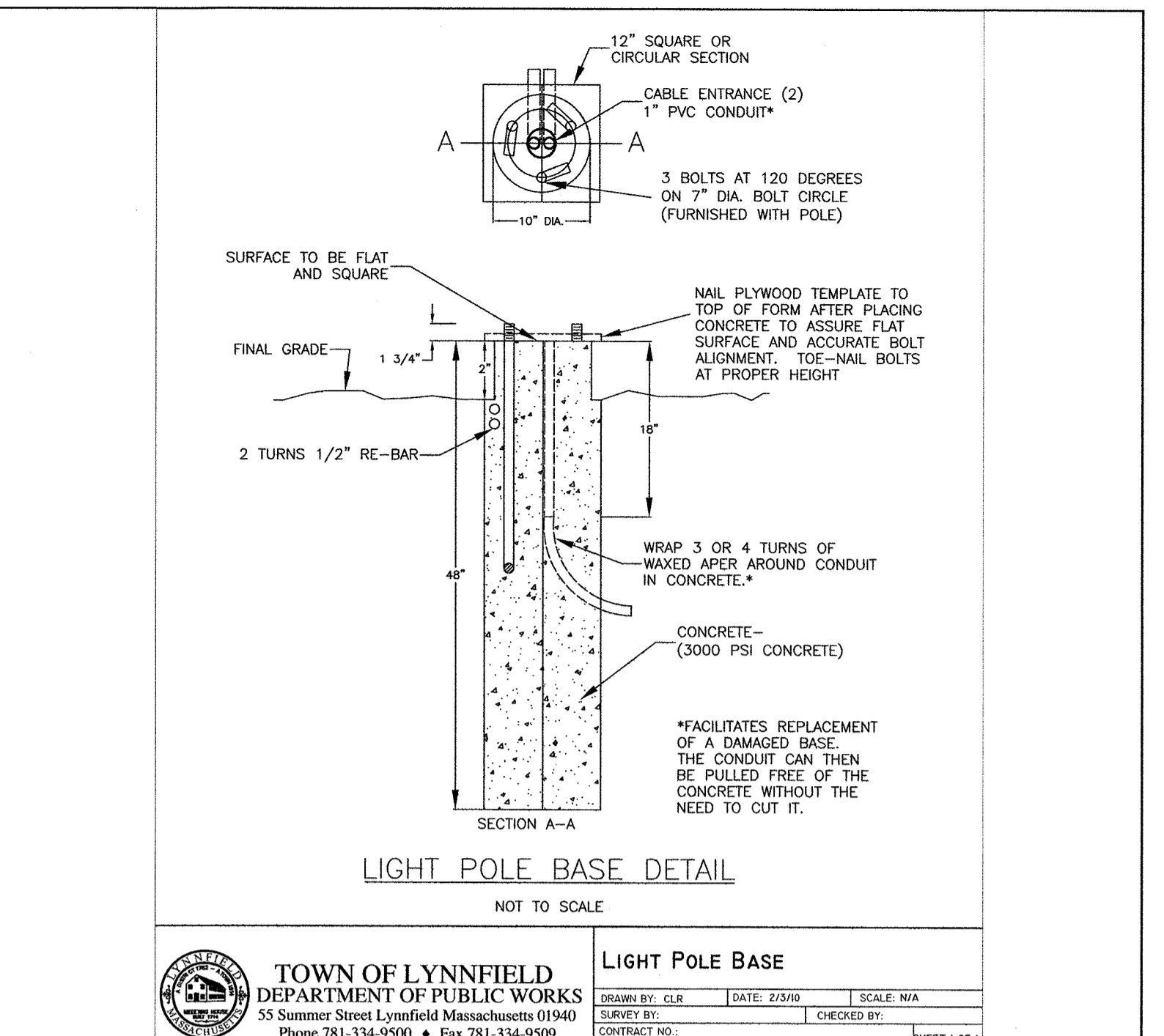
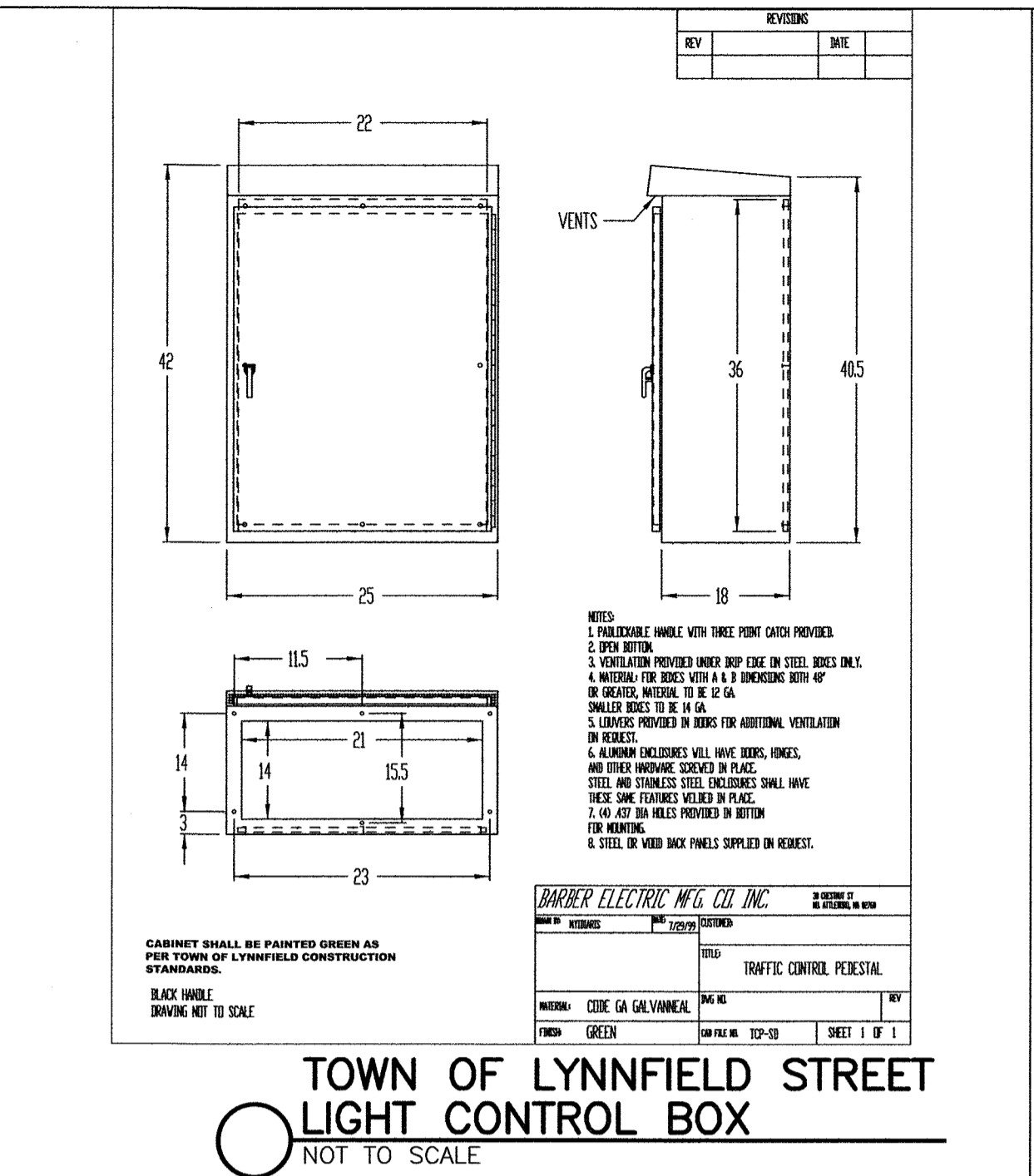
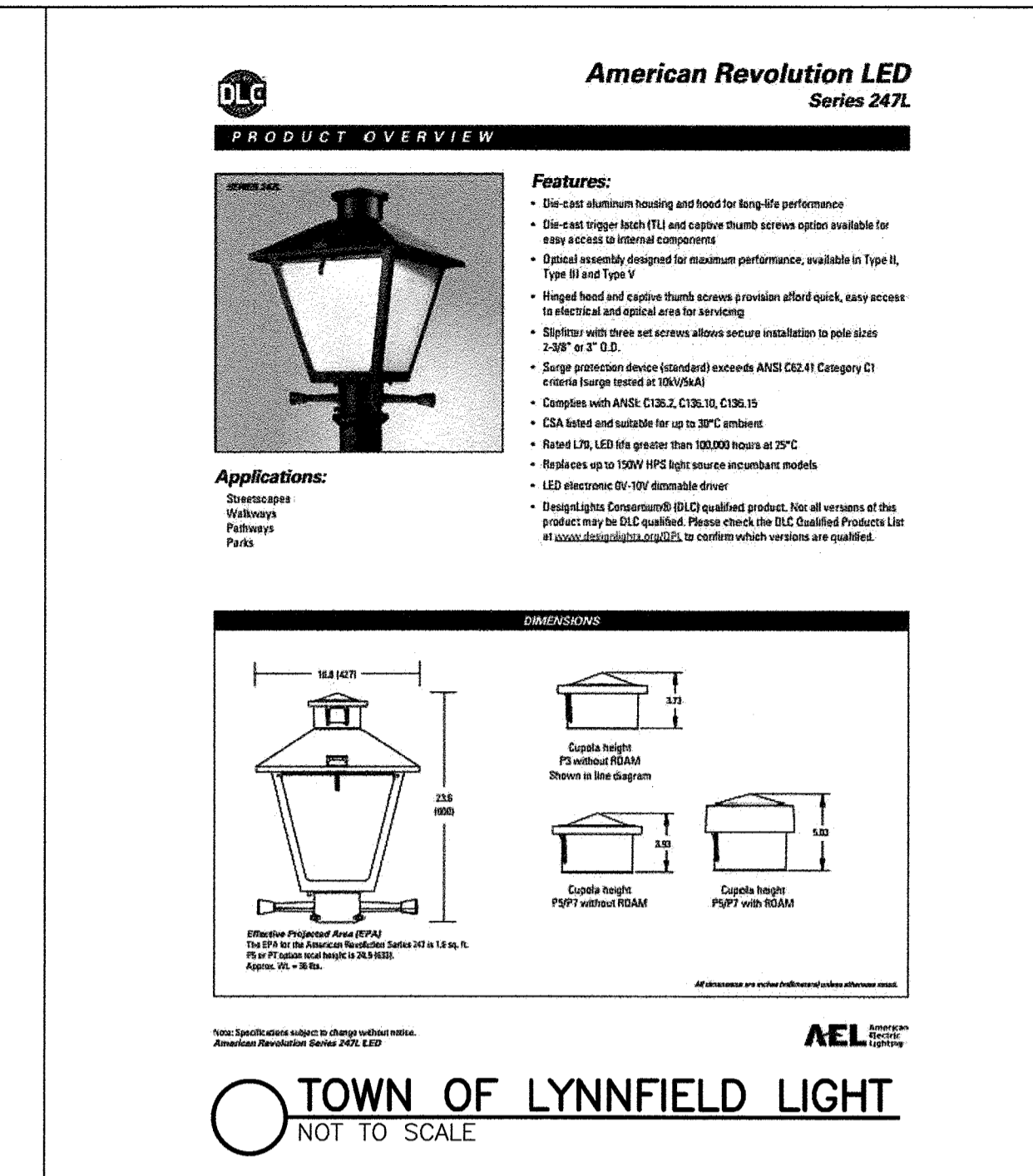
**Applications:**

- Streets
- Walkways
- Parkways
- Parks

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

| Ordering Number     | Height | Finish | Lighting | Base | Notes  |
|---------------------|--------|--------|----------|------|--|
| 247L-10-01-01-01-01 | 10     | 01     | 01       | 01   | 10' Pole, White, LED, Type I, Standard Base  |
| 247L-10-01-01-01-02 | 10     | 01     | 01       | 02   | 10' Pole, White, LED, Type I, Damaged Base   |
| 247L-10-01-01-01-03 | 10     | 01     | 01       | 03   | 10' Pole, White, LED, Type I, Damaged Base, No Hood  |
| 247L-10-01-01-01-04 | 10     | 01     | 01       | 04   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger  |
| 247L-10-01-01-01-05 | 10     | 01     | 01       | 05   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood   |
| 247L-10-01-01-01-06 | 10     | 01     | 01       | 06   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood, No Trigger   |
| 247L-10-01-01-01-07 | 10     | 01     | 01       | 07   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood, No Trigger, No Hood                                  |
| 247L-10-01-01-01-08 | 10     | 01     | 01       | 08   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood, No Trigger, No Hood, No Trigger                      |
| 247L-10-01-01-01-09 | 10     | 01     | 01       | 09   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood, No Trigger, No Hood, No Trigger, No Hood             |
| 247L-10-01-01-01-10 | 10     | 01     | 01       | 10   | 10' Pole, White, LED, Type I, Damaged Base, No Hood, No Trigger, No Hood, No Trigger, No Hood, No Trigger, No Hood, No Trigger |

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



**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 HAS BEEN RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK

**REQUESTED WAIVERS**

PLAN WAIVERS: TO NOT SHOW THE FOLLOWING DETAILS.

375-6.4.G(1)(m) WOOD/STEEL GUARDRAIL INSTALLATION  
375-6.4.G(1)(w) DESIGNATED TREE PROTECTION ZONE

HAYES ENGINEERING, INC.

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

| No. | Revision                              | Date       |
|-----|---------------------------------------|------------|
| 10  |                                       |            |
| 9   |                                       |            |
| 8   |                                       |            |
| 7   |                                       |            |
| 6   |                                       |            |
| 5   |                                       |            |
| 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  |

**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](http://www.hayeseng.com)

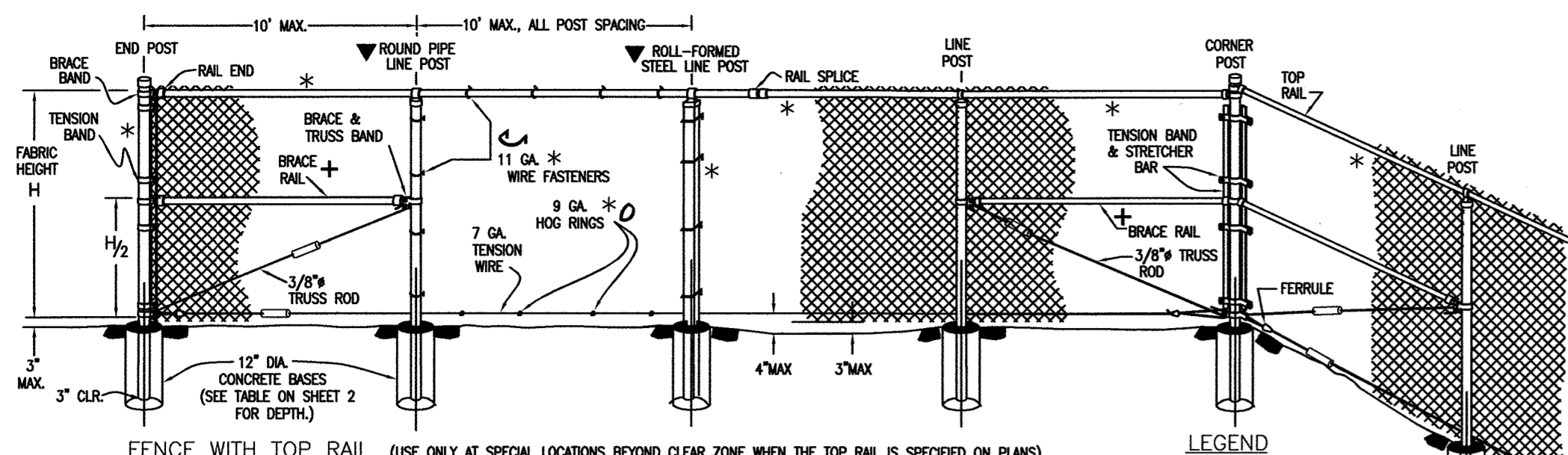
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April 12, 2021

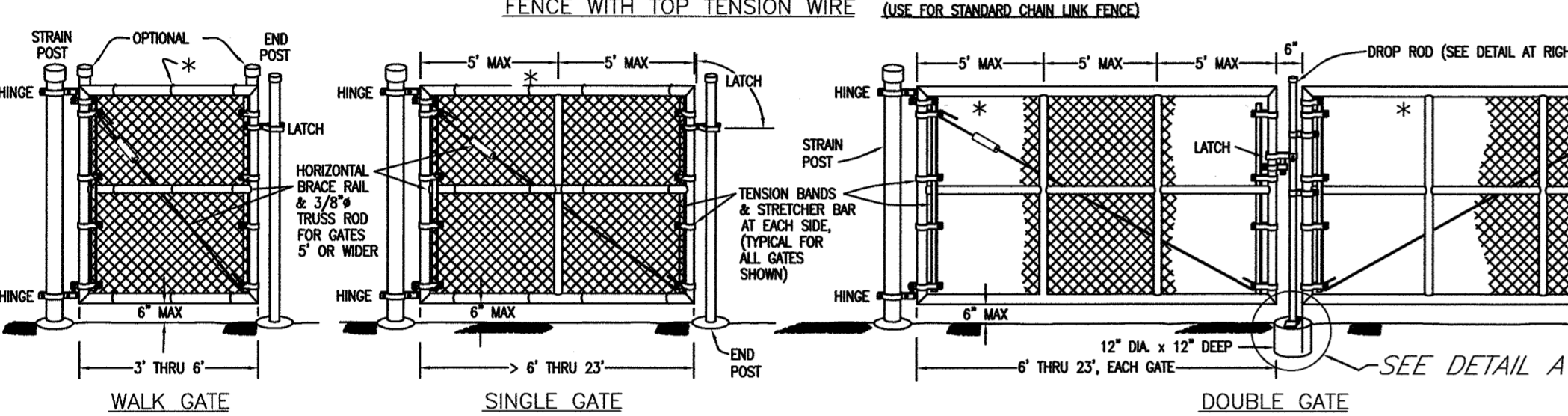
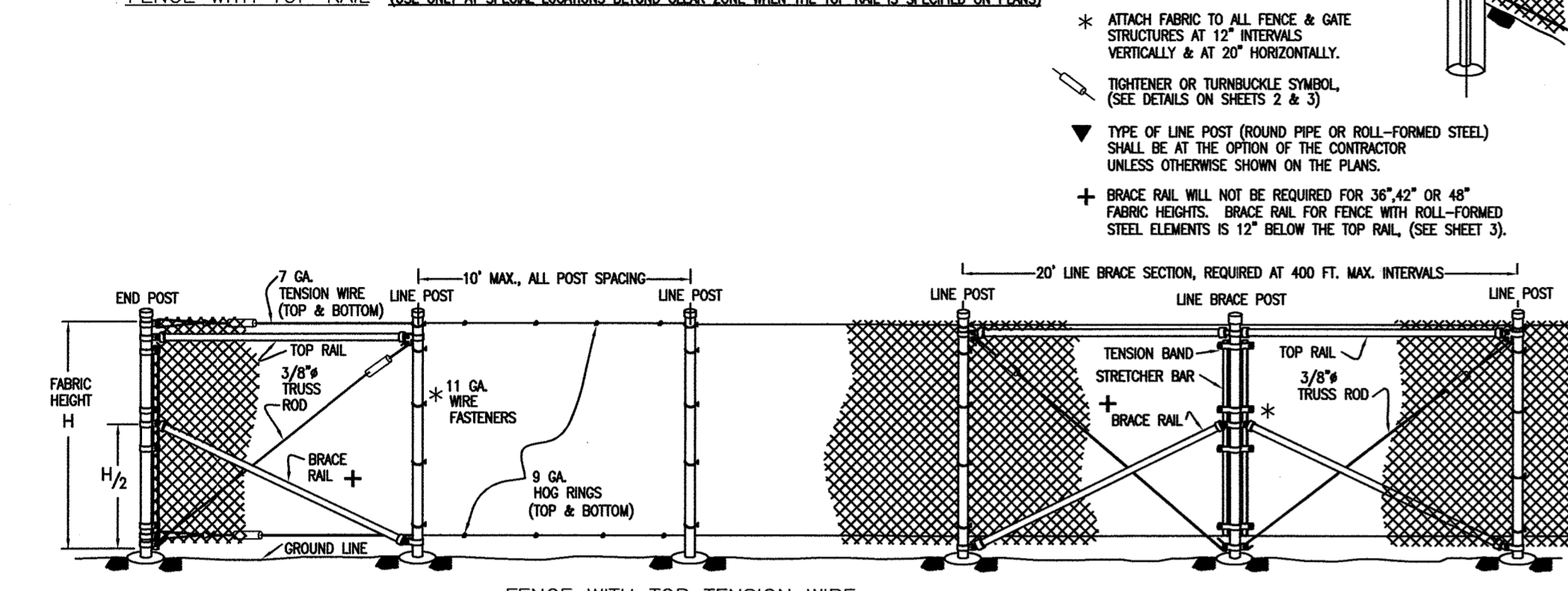
LYNNFIELD PLANNING BOARD

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

DETAIL SHEET 2 OF 3  
SET SHEET 9 OF 10

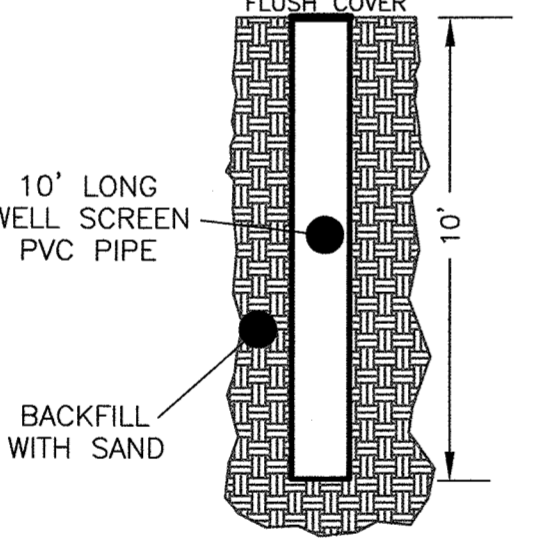


- GENERAL NOTES**
- H (HEIGHT OF FABRIC) SHALL BE AS SHOWN ON PLANS. FABRIC IS AVAILABLE IN THE FOLLOWING HEIGHTS: 36", 42", 48", 60", 72", 84", 96", 108", 120" AND 144".
  - CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF ASHTO M 181.
  - CHAIN LINK FABRIC SHALL BE 2" HIGH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE. LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND THE CLIPS SHALL BE NO. 11 GAGE (HEAVY GALVANIZED STEEL WIRE OR NO. 7 GAGE (BASS) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 682.
  - 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. BR-F-191/20C.
  - TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE 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 KNOCKED AT THE TOP AND BOTTOM SELVAGES. FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNOCKED ON THE BOTTOM SELVAGE.
  - 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.

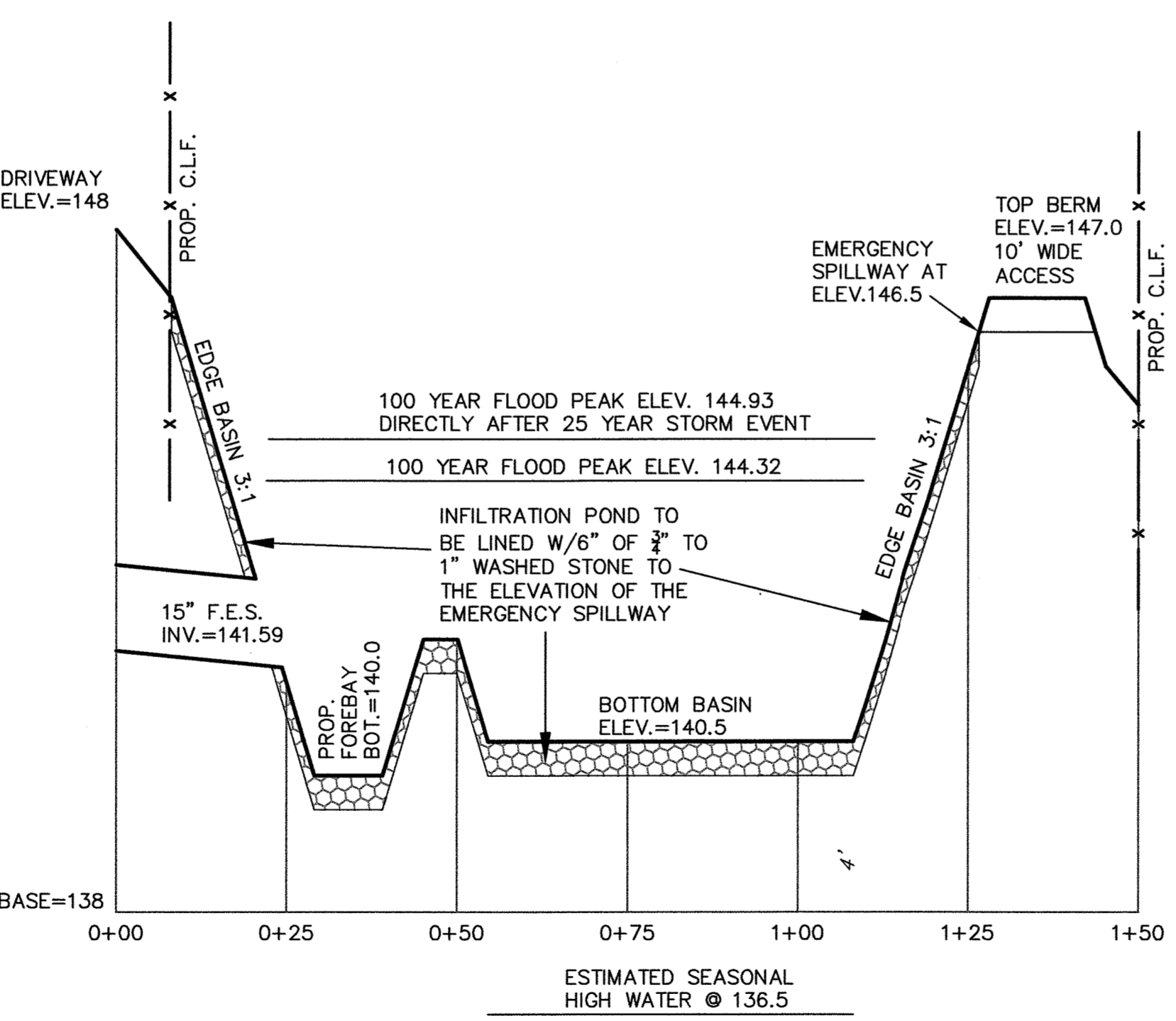


**CHAIN LINK FENCE DETAILS**  
NOT TO SCALE

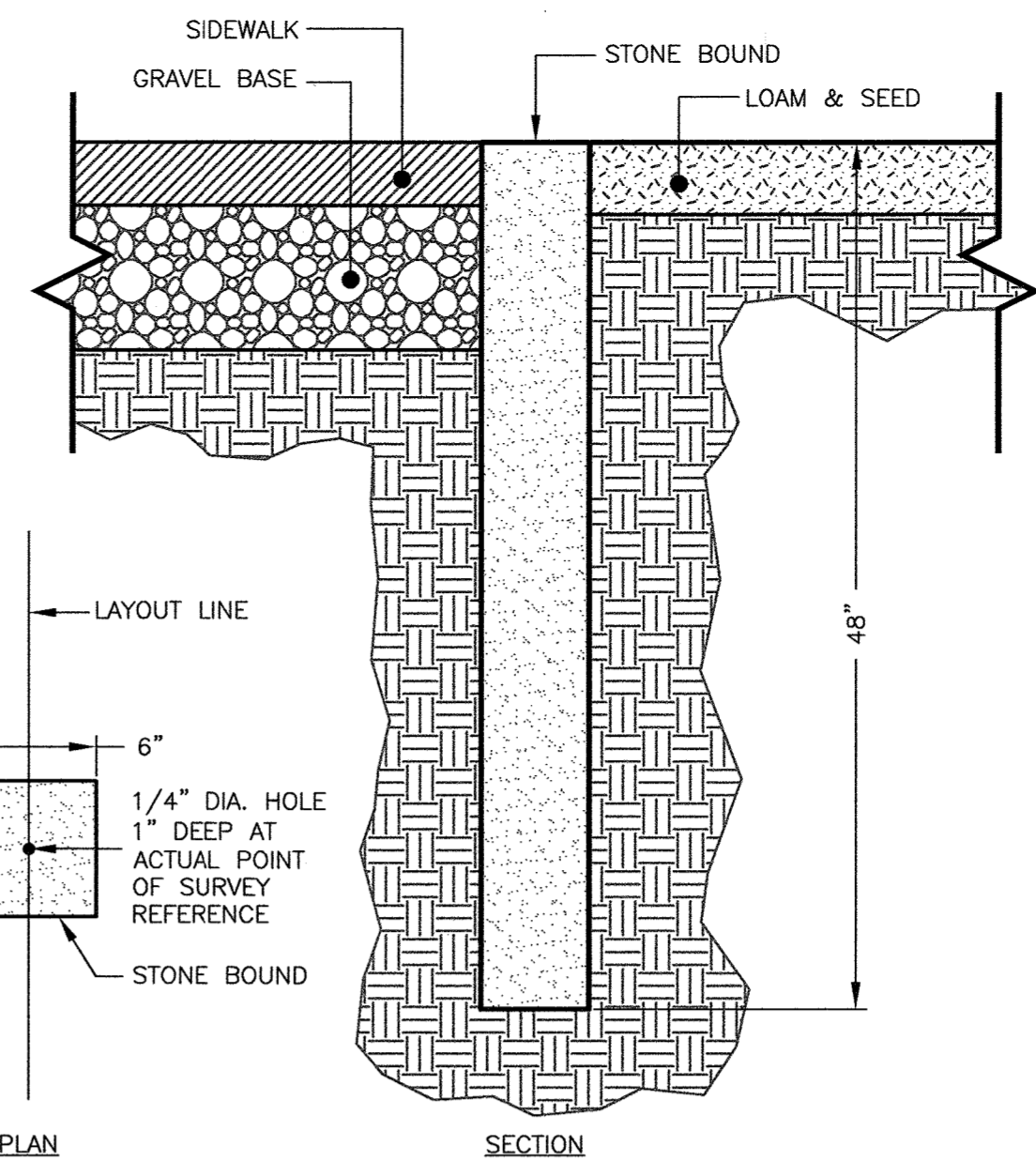
PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR ANY PARTICULAR HOME ON A LOT, THE LOT OWNER WILL RETAIN THE SERVICES OF A MASSACHUSETTS LICENSED SOIL EVALUATOR TO PERFORM SOIL TEST PITS WITNESSED BY THE TOWN ENGINEER AT THE LOCATIONS OF THE PROPOSED ROOF DRAINAGE SYSTEM(S) TO DETERMINE THE SOIL TYPES 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.



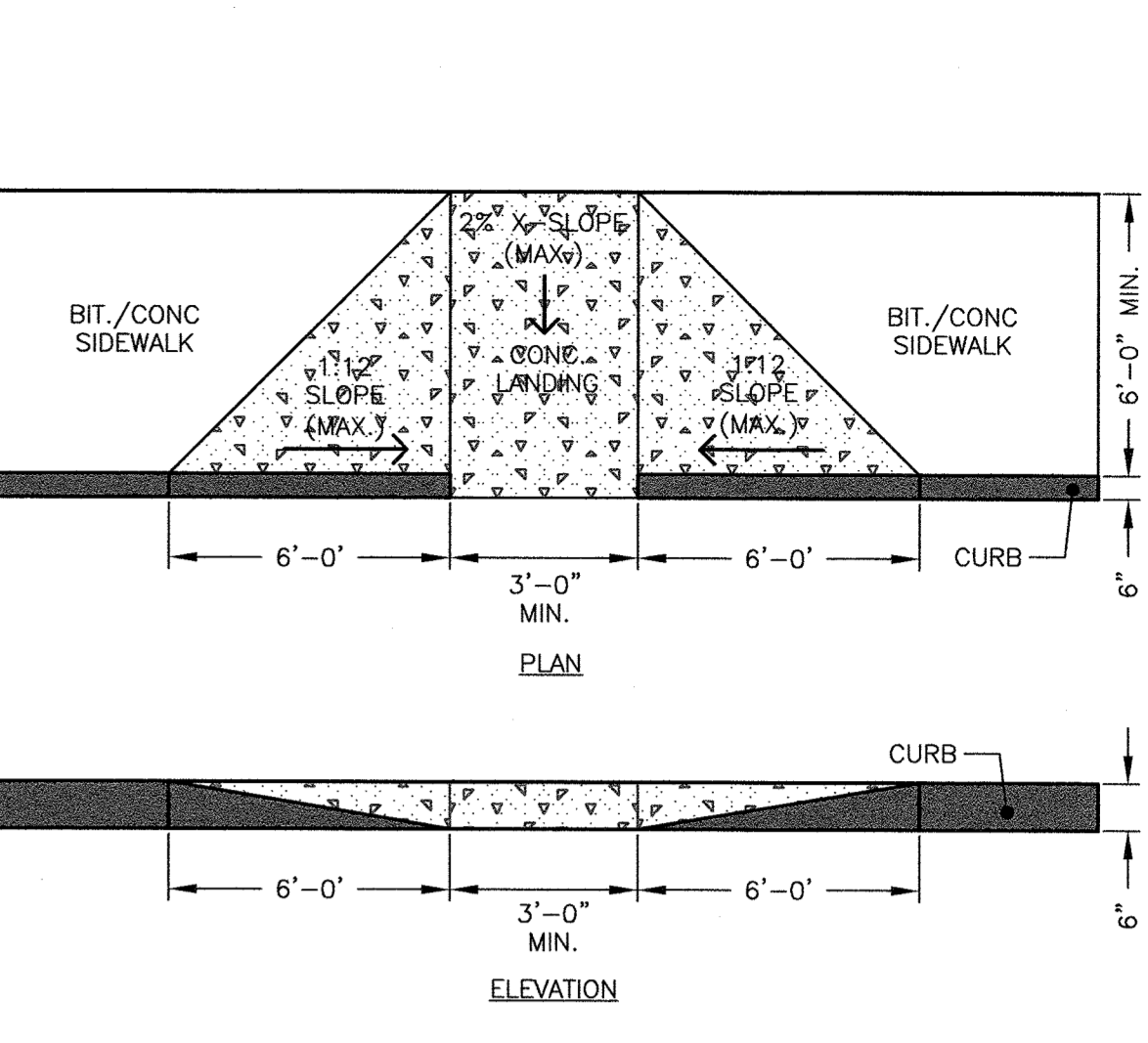
**MONITORING WELL**  
NOT TO SCALE



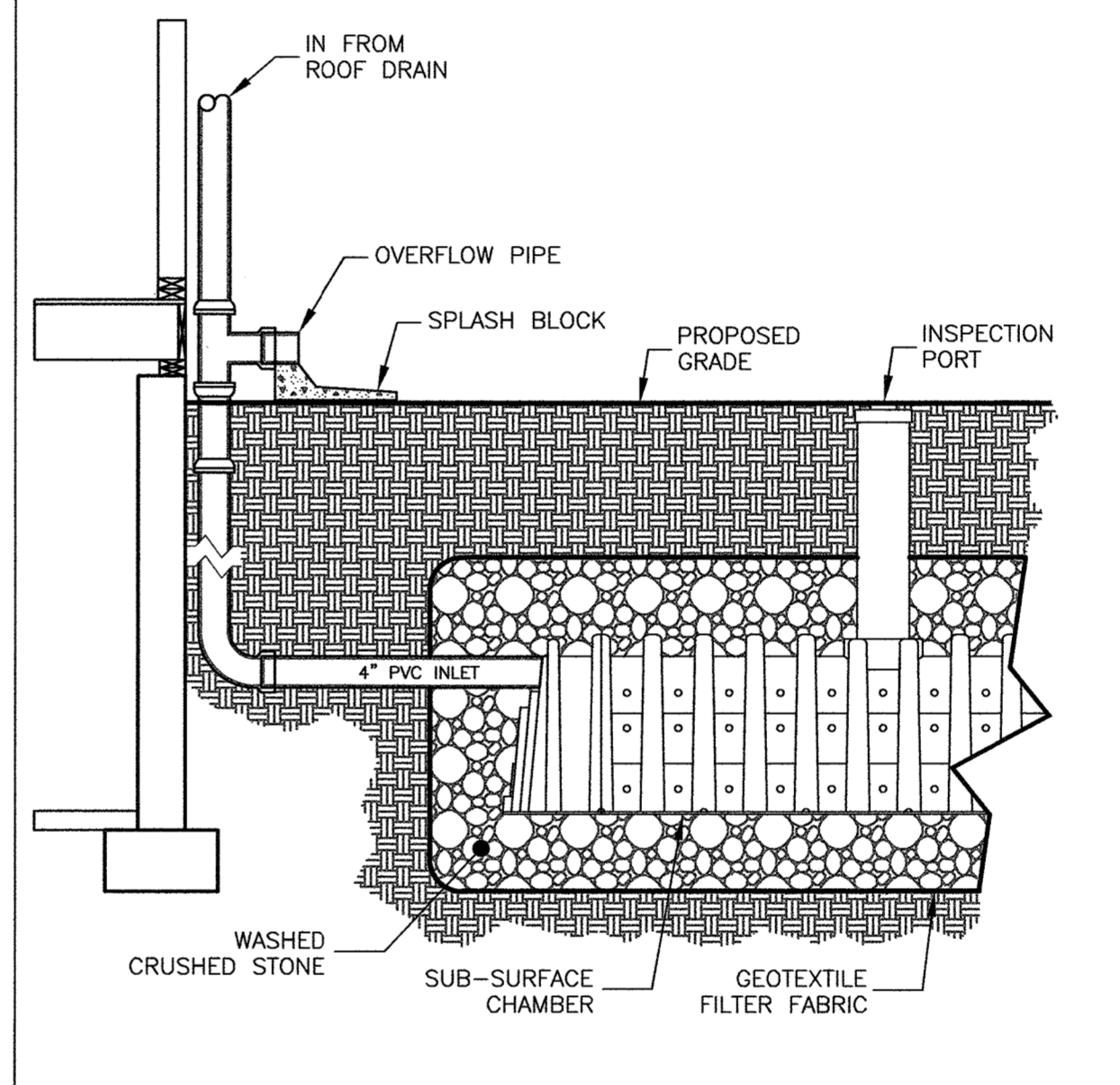
**BMP CROSS SECTION**  
SCALE: N.T.S.



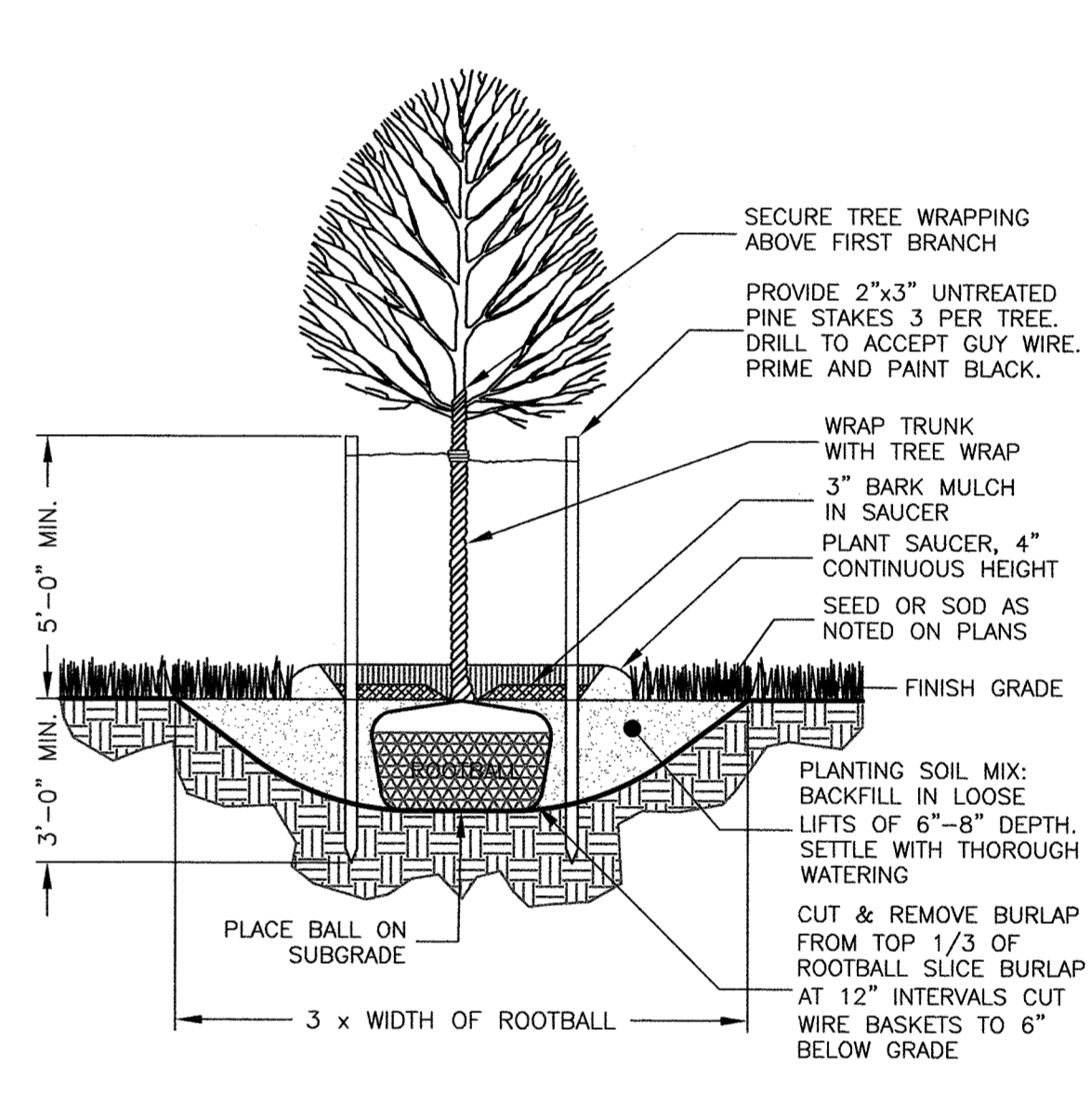
**STONE BOUND**  
NOT TO SCALE



**WHEELCHAIR RAMP**  
NOT TO SCALE  
NOTE: WHEELCHAIR RAMP SHALL COMPLY WITH ALL STATE AND FEDERAL RULES AND REGULATIONS.



**ROOF DRAIN TO SUB-SURFACE CHAMBER**  
NOT TO SCALE  
NOTE: 1. CHAMBERS SHALL BE INSTALLED A MINIMUM OF 10' FROM HOUSE.



**DECIDUOUS TREE PLANTING**  
NOT TO SCALE  
NOTE: TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT DID TO NURSERY OR FIELD GRADE.

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

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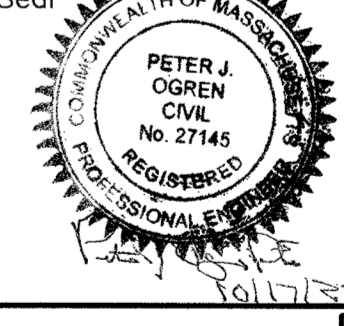
HAYES ENGINEERING, INC.

**REQUESTED WAIVERS**

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

| No. | Revision                              | Date       |
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**DETAIL SHEET**



*Hoyes*  
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.hoyeseng.com

Scale: 1"=40' April 12, 2021

|                            |                          |
|----------------------------|--------------------------|
| LYNNFIELD PLANNING BOARD   | Application Filed: _____ |
|                            | Final Plan Filed: _____  |
|                            | Hearing Date: _____      |
|                            | Plan Approved: _____     |
|                            | Plan Signed: _____       |
| <b>DETAIL SHEET 3 OF 3</b> |                          |
| SET SHEET 10 OF 10         |                          |

**TYPICAL ROOF RECHARGE SYSTEM**  
NOT TO SCALE