

# ROADWAY IMPROVEMENT PROJECT

## FLETCHER ROAD AND TIMBERHILL LANE

### LYNNFIELD, MA

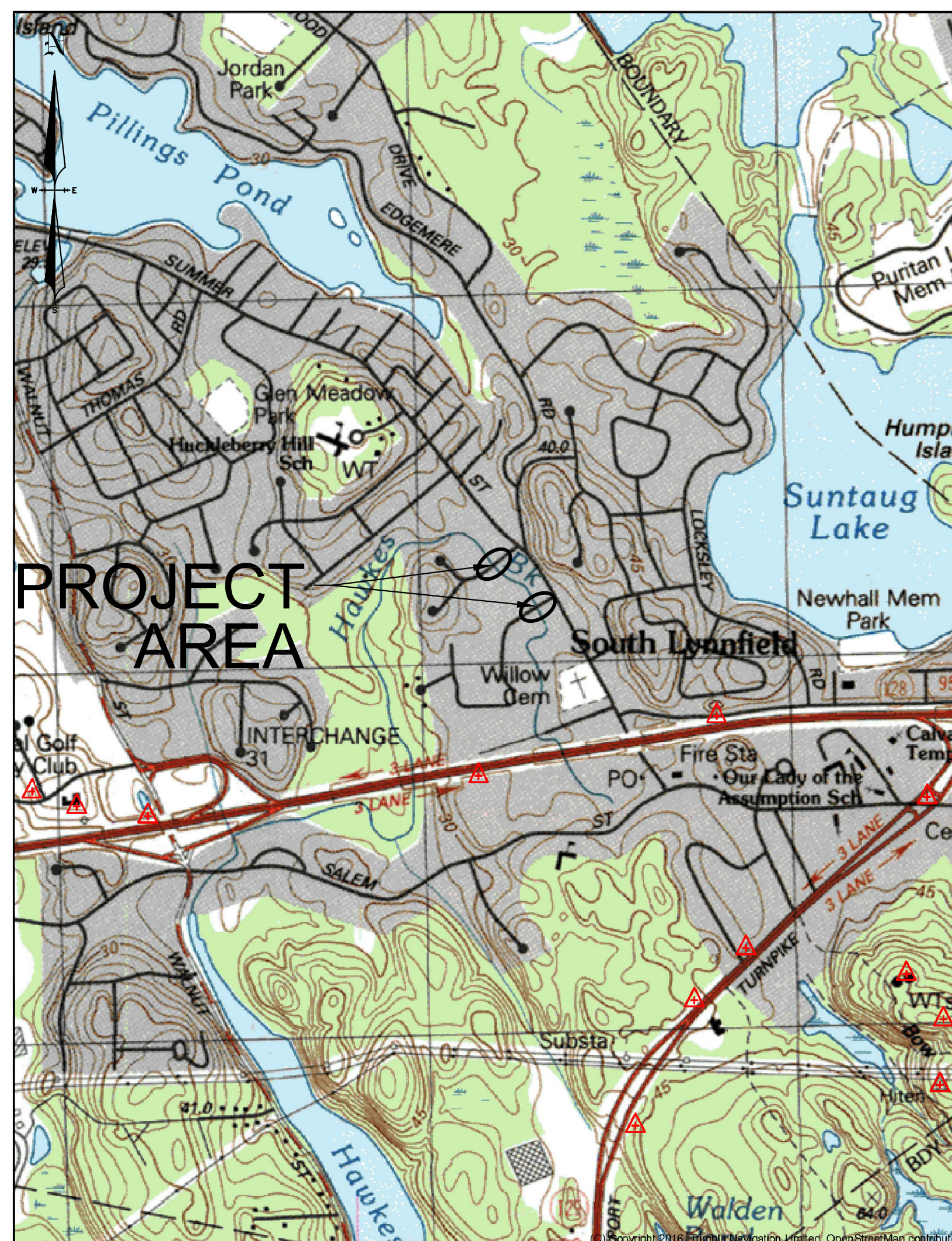
MAY 27, 2021

#### APPLICANT:

TOWN OF LYNNFIELD, MASSACHUSETTS  
 DEPARTMENT OF PUBLIC WORKS  
 TOWN HALL, 55 SUMMER STREET  
 LYNNFIELD, MASSACHUSETTS 01940  
 MR. ROBERT J. DOLAN, TOWN ADMINISTRATOR  
 MR. JOHN TOMASZ, DIRECTOR OF PUBLIC WORKS  
 MR. CHARLES L. RICHTER, P.E., TOWN ENGINEER

#### CIVIL ENGINEER:

LINDEN ENGINEERING PARTNERS, LLC  
 100 TRADECENTER, SUITE G700  
 WOBURN, MA 01801-1851  
 TEL: (781) 933-3711



LOCUS MAP  
 SCALE: 1"=1,000'

#### DRAWING LIST:

- 1 COVER SHEET
- 2 LOCUS MAPS
- 3 EXISTING CONDITIONS PLAN - TIMBERHILL LANE
- 4 EXISTING CONDITIONS PLAN - FLETCHER ROAD
- 5 PROPOSED IMPROVEMENTS PLAN - TIMBERHILL LANE
- 6 PROPOSED IMPROVEMENTS PLAN - FLETCHER ROAD
- 7 CONSTRUCTION DETAILS

#### NOTE:

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION STANDARDS AND SPECIFICATIONS.

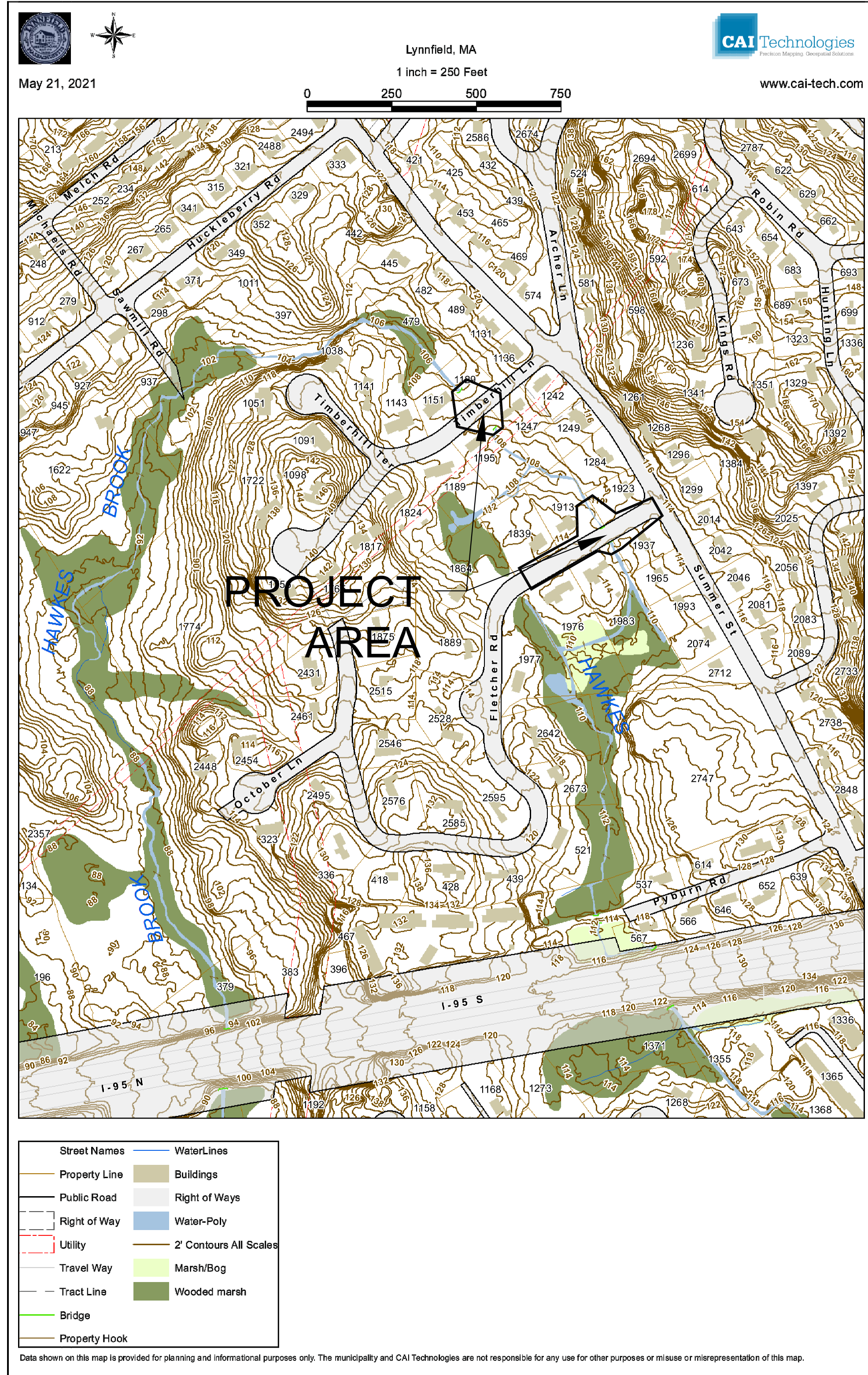


ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS PLAN AND IF ANY ARE SHOWN THEY SHOULD BE CONSIDERED APPROXIMATE ONLY. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233. SOME DATA IS CONFLICTING AND CAN ONLY BE VERIFIED BY EXCAVATION.

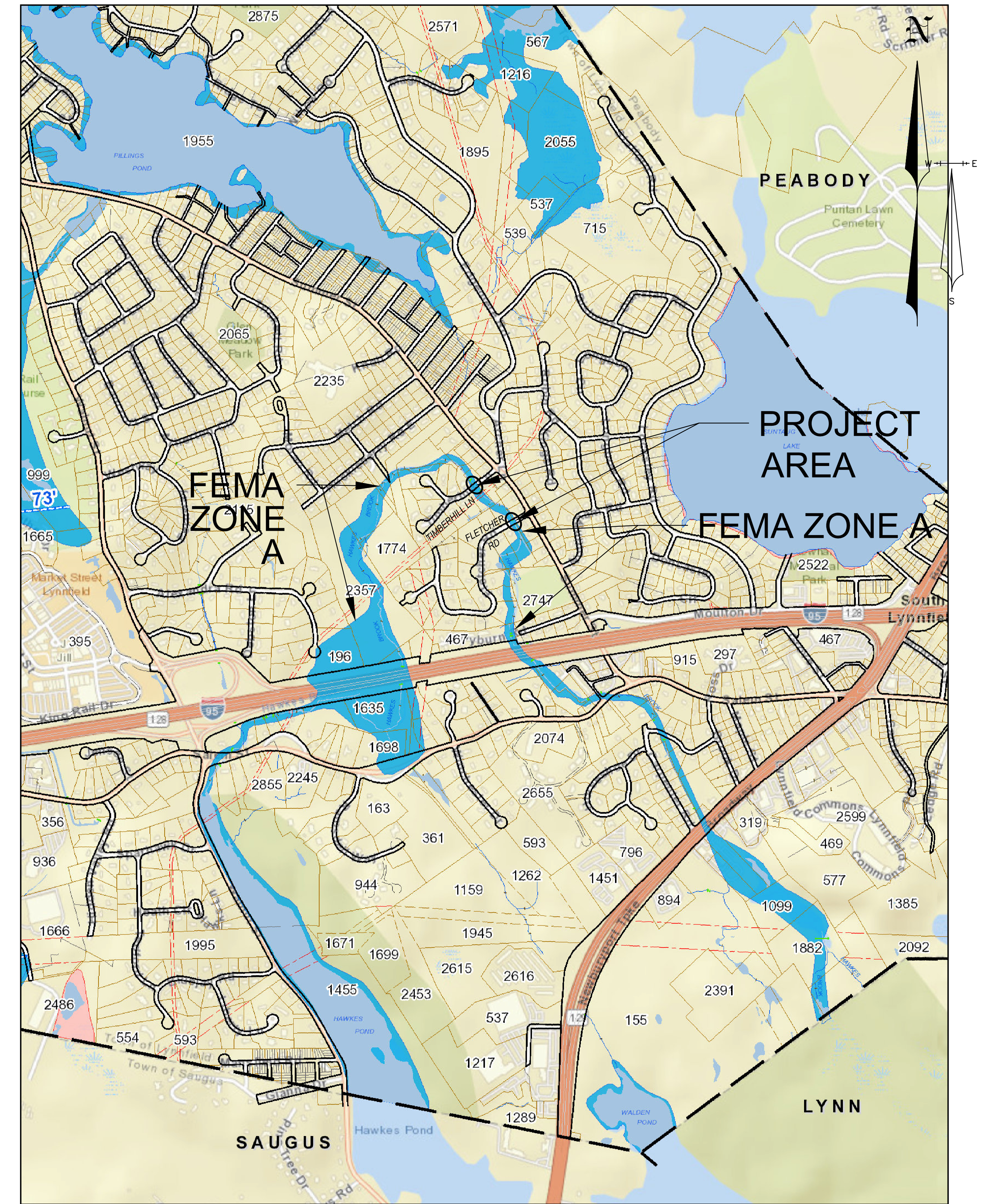


|           |      |                       |   |  |   |   |                 |
|-----------|------|-----------------------|---|--|---|---|-----------------|
|           |      | DES. BY: WAJ          |   | <b>LINDEN ENGINEERING PARTNERS LLC</b><br>100 TradeCenter Suite G700<br>Woburn, MA 01801-1851<br>Tel: (781) 933-3711<br>Fax: (781) 287-1277  | PREPARED FOR:<br><b>TOWN OF LYNNFIELD, MA</b><br>DEPARTMENT OF PUBLIC WORKS<br>TOWN HALL, 55 SUMMER STREET<br>LYNNFIELD, MASSACHUSETTS 01940<br>TEL: (781) 334-9500 | COVER SHEET<br>ROADWAY IMPROVEMENT PROJECT<br>FLETCHER ROAD AND TIMBERHILL LANE<br>LYNNFIELD, MASSACHUSETTS | SHEET<br>1 OF 7 |
|           |      | DR. BY: WAJ           |   |  |   |   |                 |
|           |      | CKD. BY: RGC/WAJ      |   |  |   |   |                 |
|           |      | APPD. BY: RGC         |   |  |   |   |                 |
|           |      | JOB NO.: 17310        |   |  |   |   |                 |
| 5/27/2021 | WAJ  | AS NOTED              | Richard G. Cutts<br>REG. PROF. ENGINEER | Civil - Environmental Engineering including<br>Storm water, Wastewater, Water Supply,<br>Highway & Infrastructure Design, Land<br>Planning, Land Subdivision, Site Design,<br>Environmental Permitting, Wetlands<br>Permitting & Land Development Permitting |   |   |                 |
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TOWN OF LYNNFIELD GIS MAP  
SCALE: 1"=250'



FLOOD ZONE MAP  
SCALE: 1"=700'

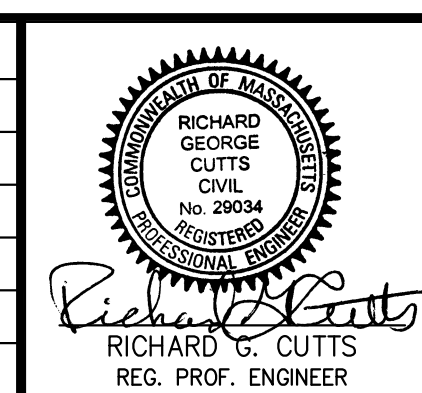
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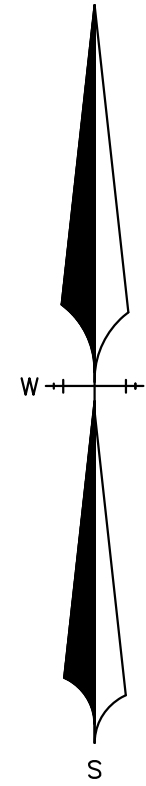
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LYNNFIELD, MASSACHUSETTS 01940  
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**LOCUS MAPS**  
ROADWAY IMPROVEMENT PROJECT  
FLETCHER ROAD AND TIMBERHILL LANE  
LYNNFIELD, MASSACHUSETTS



**EXISTING CONDITIONS NOTES:**

- EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PREPARED FROM A SURVEY BY BAYSIDE ENGINEERING, INC., 600 UNICORN PARK DRIVE, WOBURN, MA WHICH WAS PREPARED FOR THE TOWN OF LYNNFIELD DPW.
- ALL ELEVATIONS SHOWN HEREON REFER TO NORTH AMERICAN DATUM OF 1088 (NAD88). CONSULT WITH LINDEN ENGINEERING PARTNERS, LLC FOR BENCHMARKS.
- THE LOCATION OF THE UTILITIES AS SHOWN HEREON HAVE BEEN COMPILED FROM VISIBLE STRUCTURES AND AVAILABLE DATA. UNDERGROUND ELECTRIC LINES AND CONDUITS, TELEPHONE LINES AND CONDUITS, COMMUNICATIONS LINES AND CONDUITS, CABLE TV LINES AND CONDUITS, FIRE ALARM LINES AND CONDUITS, GAS MAINS AND SERVICES, SANITARY SEWER MAINS AND SERVICES, SURFACE DRAINAGE MAINS AND SERVICES AND WATER MAINS AND SERVICES (IF ANY) MAY NOT BE SHOWN ON THIS PLAN AND IF SHOWN THEIR LOCATIONS AND ELEVATIONS SHOULD BE CONSIDERED ONLY APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ON THE PROPERTY. LINDEN ENGINEERING PARTNERS, LLC MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED AND FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THEREFORE THE INFORMATION SHOWN ON THESE PLANS IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. ANY PERSON PERFORMING WORK ON OR ADJACENT TO THE SITE SHALL CALL 1-888-344-7233 (1-888-DIGSAFE) "DIG SAFE" AS REQUIRED BY THE MASSACHUSETTS GENERAL LAWS SECTION 40 AND CHAPTER 82, SECTION 76(D) AT LEAST 72 HOURS PRIOR TO PERFORMING ANY EXCAVATION IN ORDER TO HAVE THE UTILITIES MARKED OUT. PRIOR TO PLANNING ANY NEW UTILITY CONNECTIONS, THE PROPER PUBLIC UTILITY ENGINEERING DEPARTMENTS SHOULD BE CONSULTED TO VERIFY THE SIZE AND LOCATIONS OF THEIR EXISTING FACILITIES.
- WETLAND RESOURCE AREAS DETERMINED FROM THE TOPOGRAPHIC SURVEY AND THE FLOOD CALCULATIONS BY LINDEN ENGINEERING PARTNERS, LLC.



APPROX. LIMITS OF 100 YEAR FLOOD

LIMITS OF 100 FOOT WETLANDS BUFFER ZONE AND RIVERFRONT AREA

SUMMER STREET

TIMBERHILL LANE

ASSESSOR'S MAP 46  
PARCEL 1136  
945 SUMMER STREET

ASSESSOR'S MAP 46  
PARCEL 1159  
2 TIMBERHILL LANE

ASSESSOR'S MAP 46  
PARCEL 1242  
1 TIMBERHILL LANE

LIMITS OF 100 FOOT WETLANDS BUFFER ZONE AND RIVERFRONT AREA

LIMITS OF 200 FOOT RIVERFRONT AREA

LIMITS OF 200 FOOT RIVERFRONT AREA

ASSESSOR'S MAP 46  
PARCEL 1151  
4 TIMBERHILL LANE

ASSESSOR'S MAP 46  
PARCEL 1247  
3 TIMBERHILL LANE

TIMBERHILL LANE

APPROX. LIMITS OF 100 YEAR FLOOD

LIMITS OF 100 FOOT WETLANDS BUFFER ZONE AND RIVERFRONT AREA

ASSESSOR'S MAP 46  
PARCEL 1195  
5 TIMBERHILL LANE

LIMITS OF BANK AND RIVER

LIMITS OF 100 FOOT WETLANDS BUFFER ZONE AND RIVERFRONT AREA

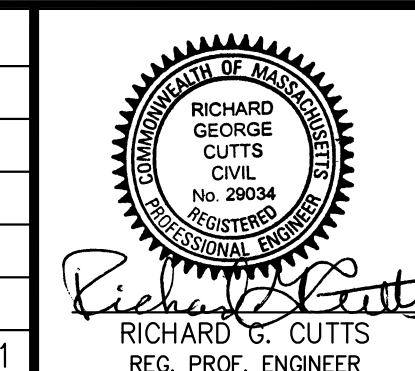
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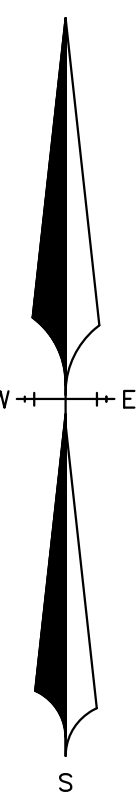
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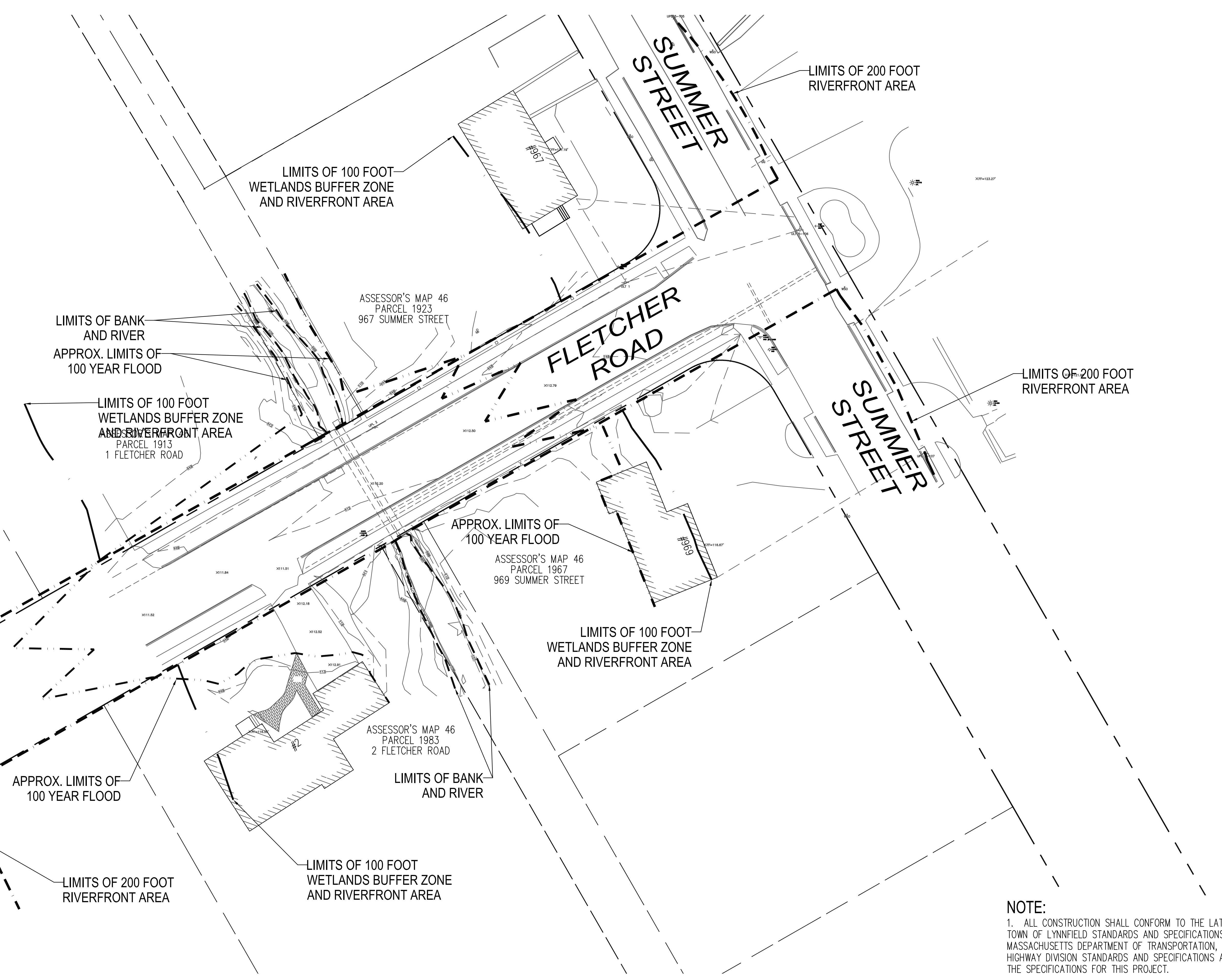
**EXISTING CONDITIONS PLAN - TIMBERHILL LANE**  
**ROADWAY IMPROVEMENT PROJECT**  
**FLETCHER ROAD AND TIMBERHILL LANE**  
**LYNNFIELD, MASSACHUSETTS**


**SHEET**  
**3 OF 7**

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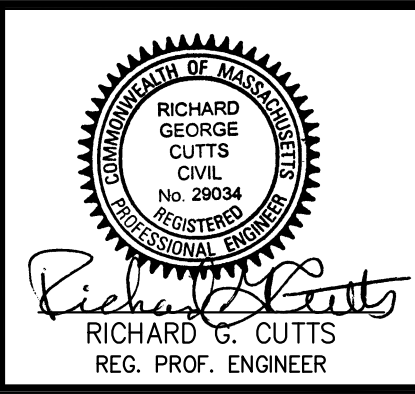
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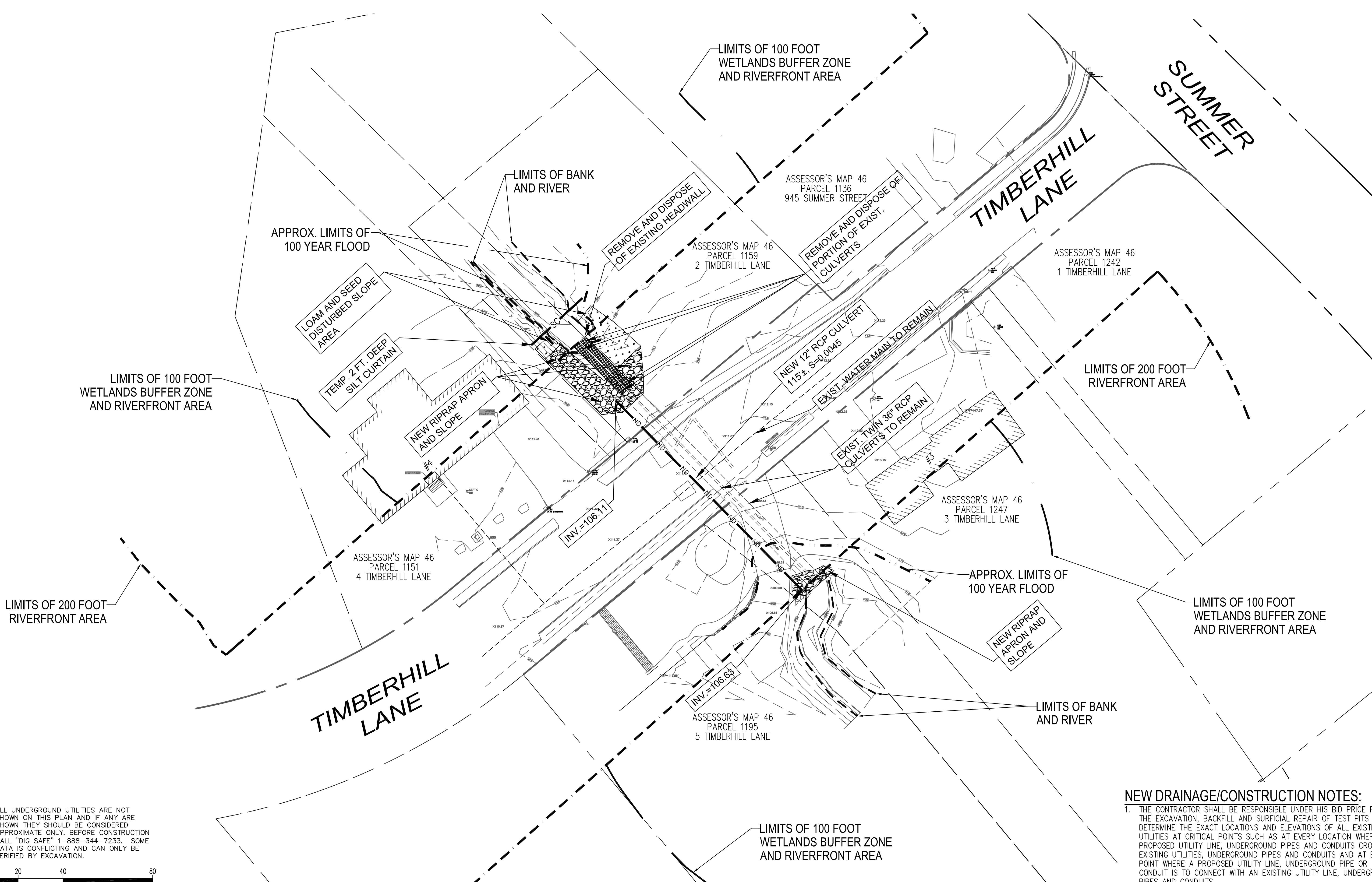
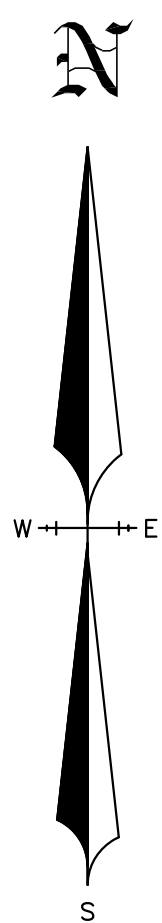
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**EXISTING CONDITIONS PLAN - FLETCHER ROAD**  
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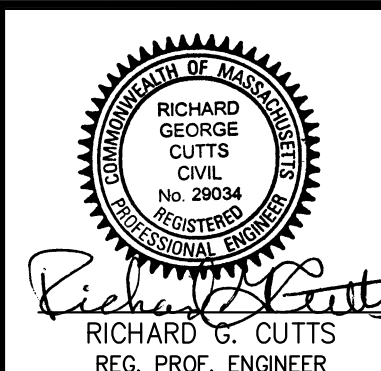


- NEW DRAINAGE/CONSTRUCTION NOTES:**
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  2. SILTATION CONTROLS TO BE INSTALLED IN THE FIELD AS DIRECTED BY THE TOWN ENGINEER

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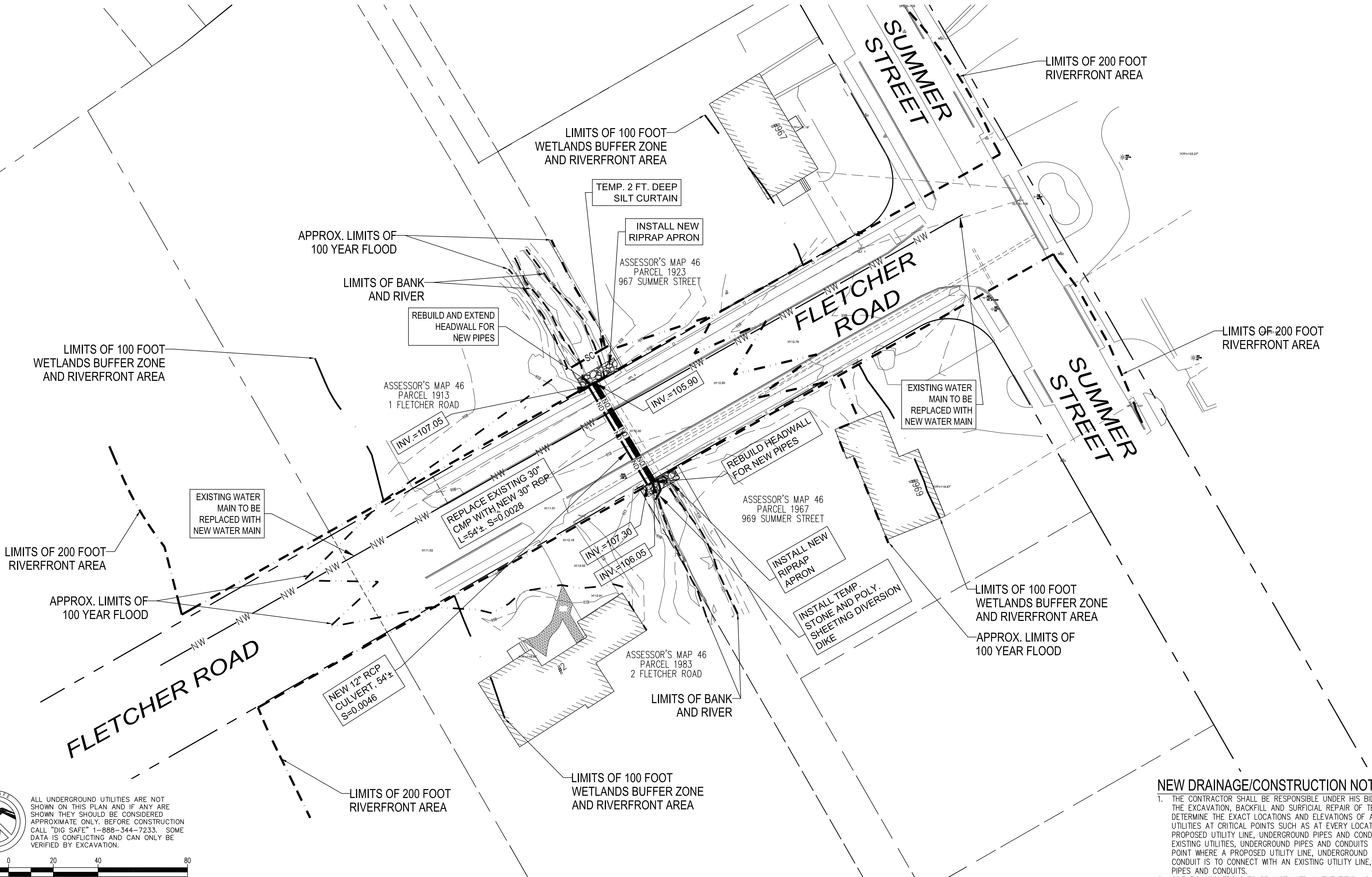
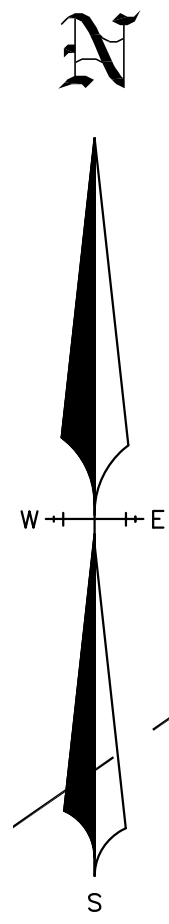
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**PROPOSED IMPROVEMENTS PLAN - TIMBERHILL LANE**  
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**LYNNFIELD, MASSACHUSETTS**





EXISTING WATER MAIN TO BE REPLACED WITH NEW WATER MAIN

REPLACE EXISTING 30" CMP WITH NEW 30" RCP L=54±, S=0.0028

NEW 12" RCP CULVERT, 54± S=0.0046

INSTALL NEW RIPRAP APRON

INSTALL TEMP. STONE AND POLY. SHEETING DIVERSION DIKE

EXISTING WATER MAIN TO BE REPLACED WITH NEW WATER MAIN

REBUILD HEADWALL FOR NEW PIPES

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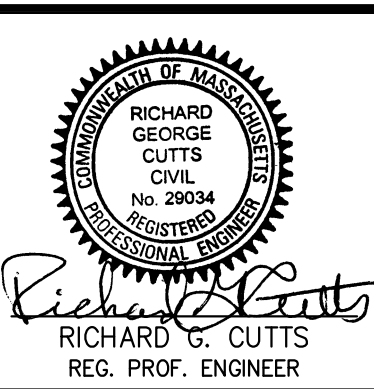


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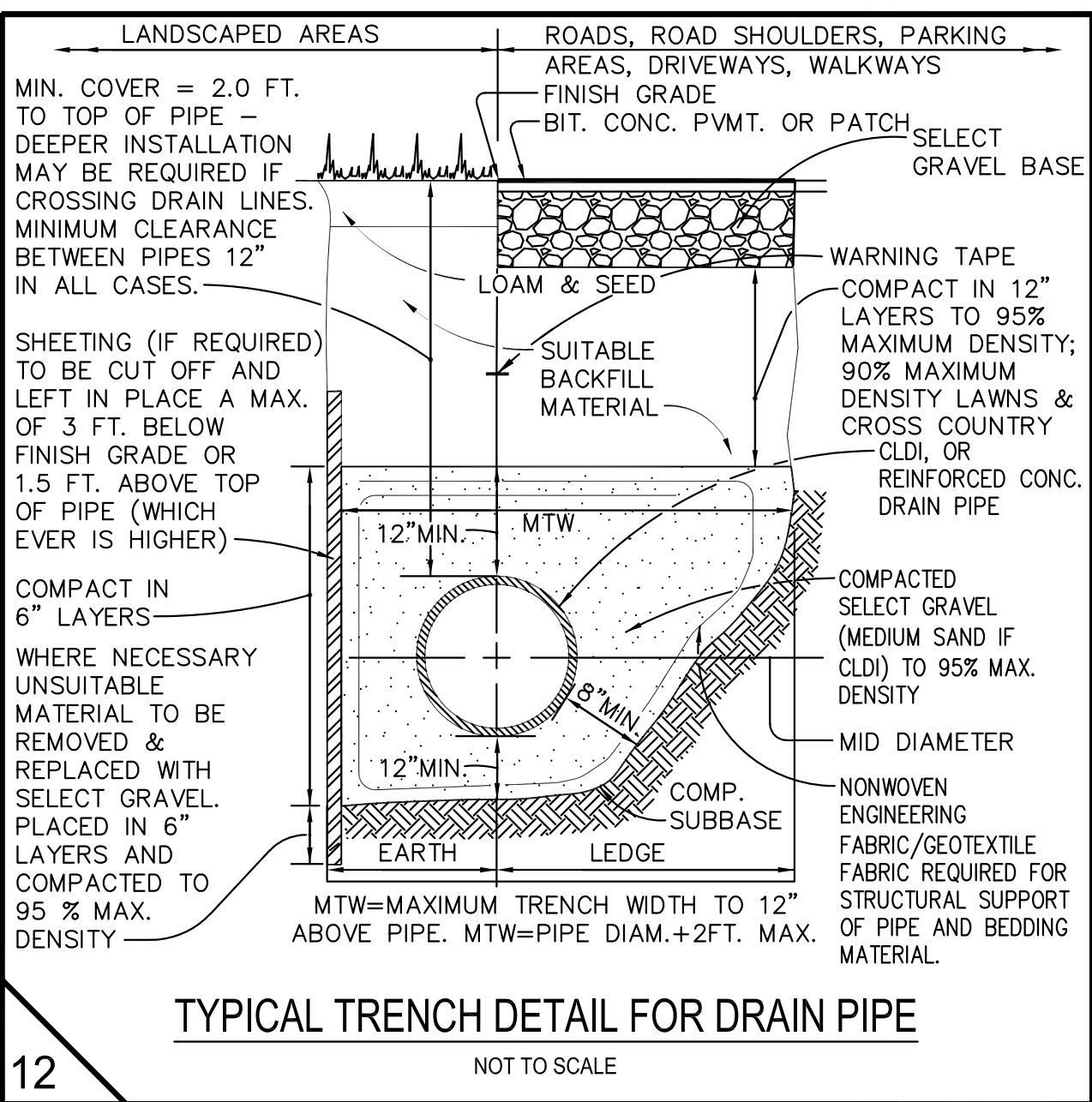
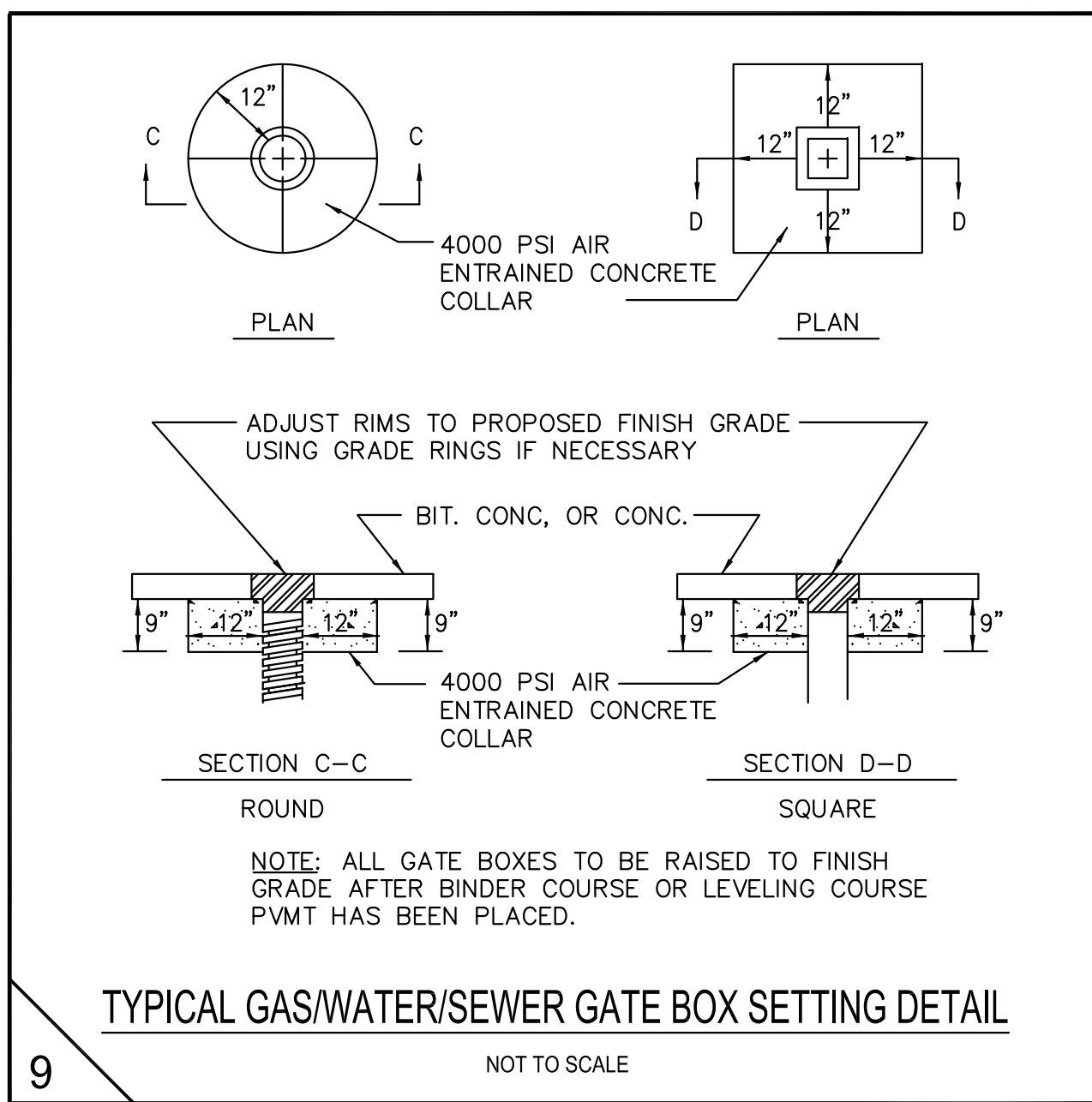
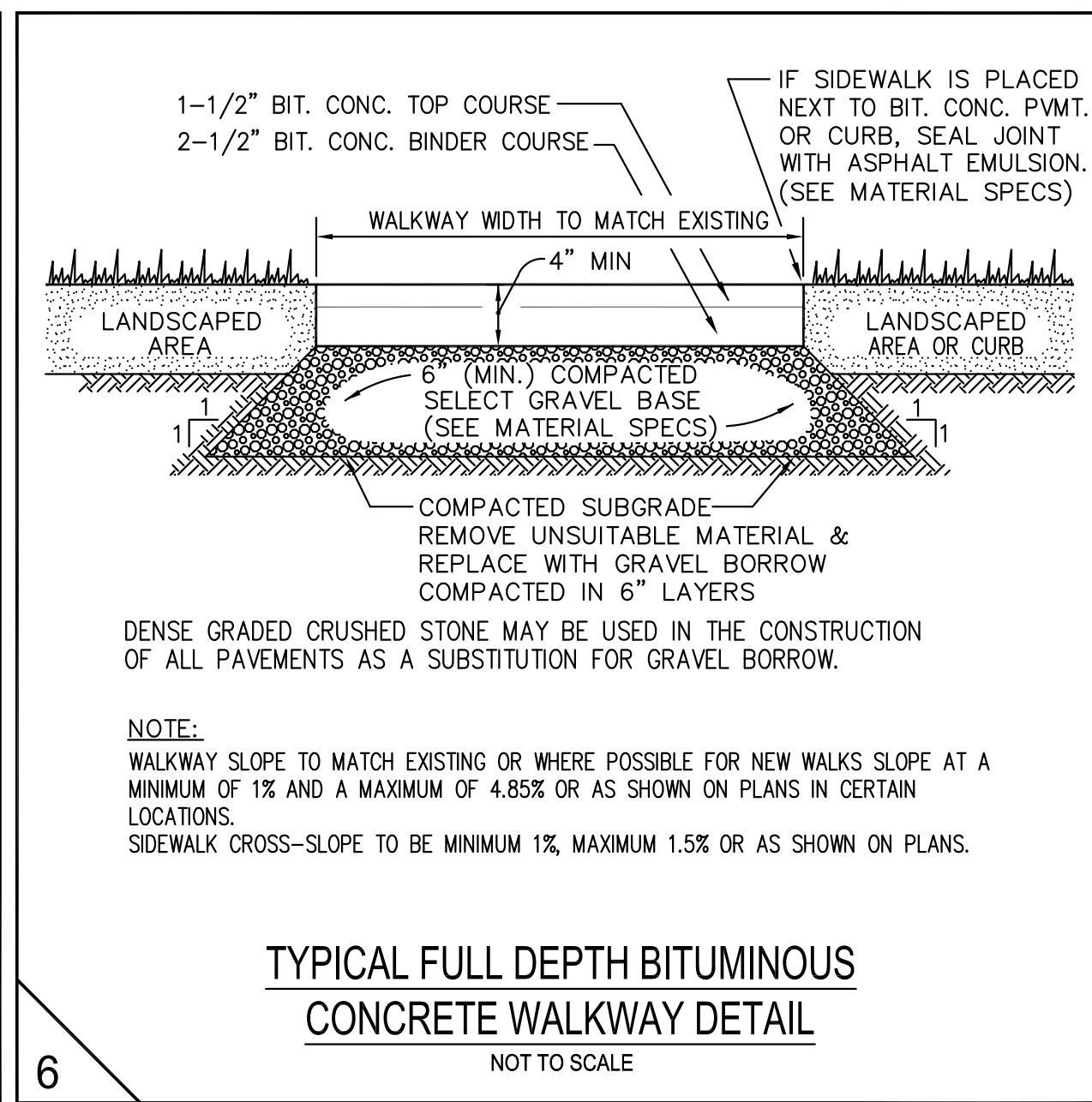
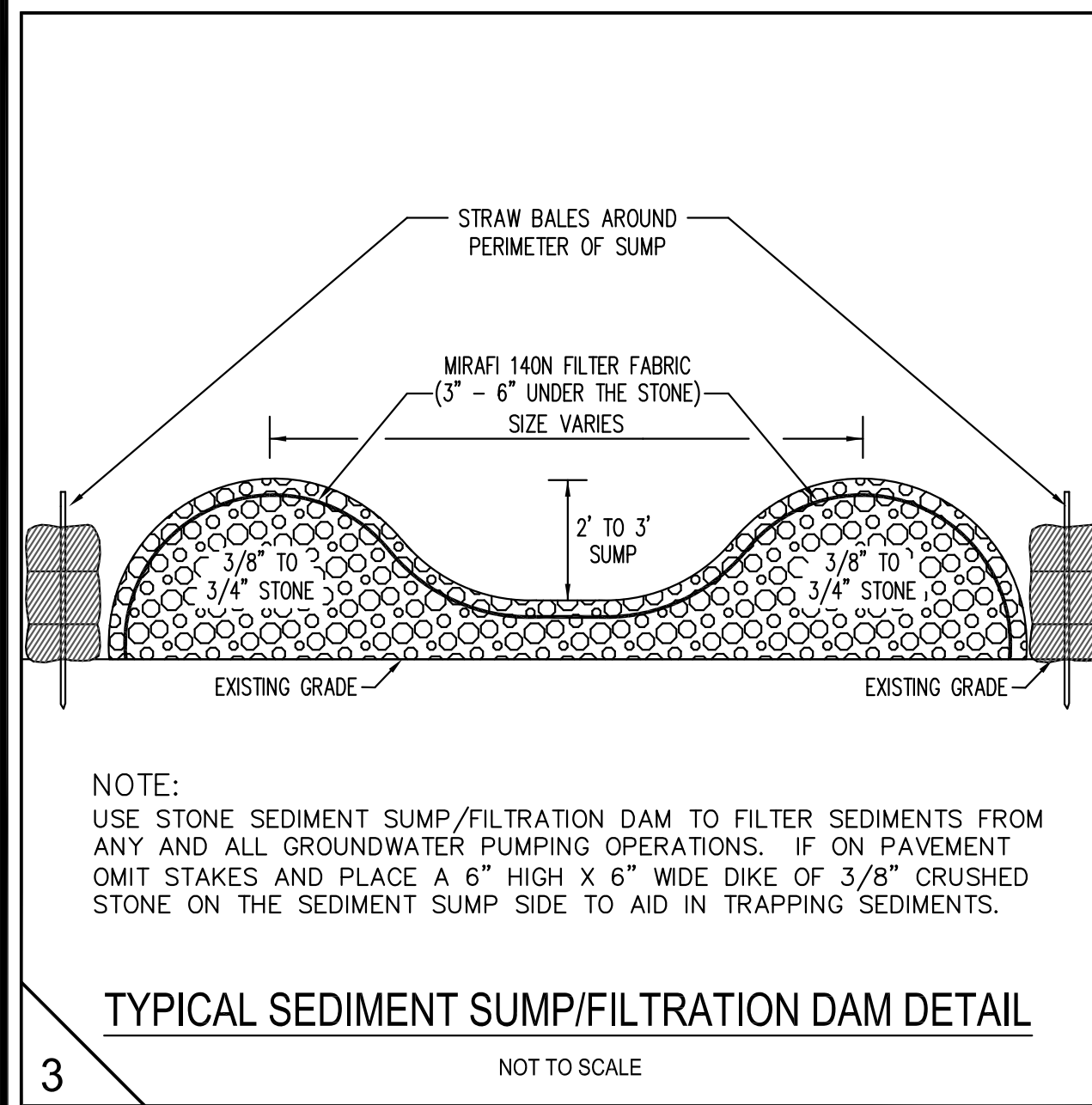
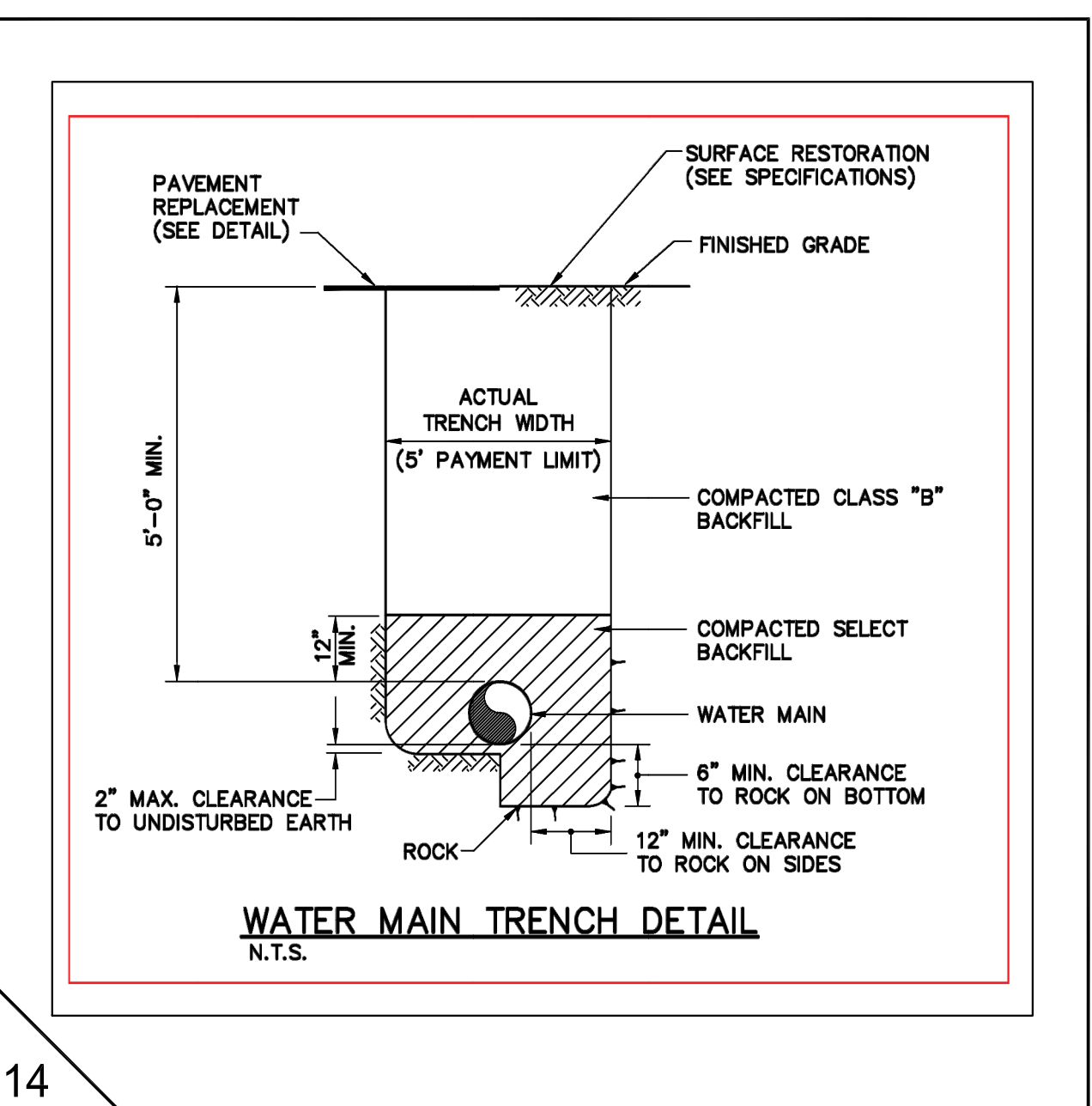
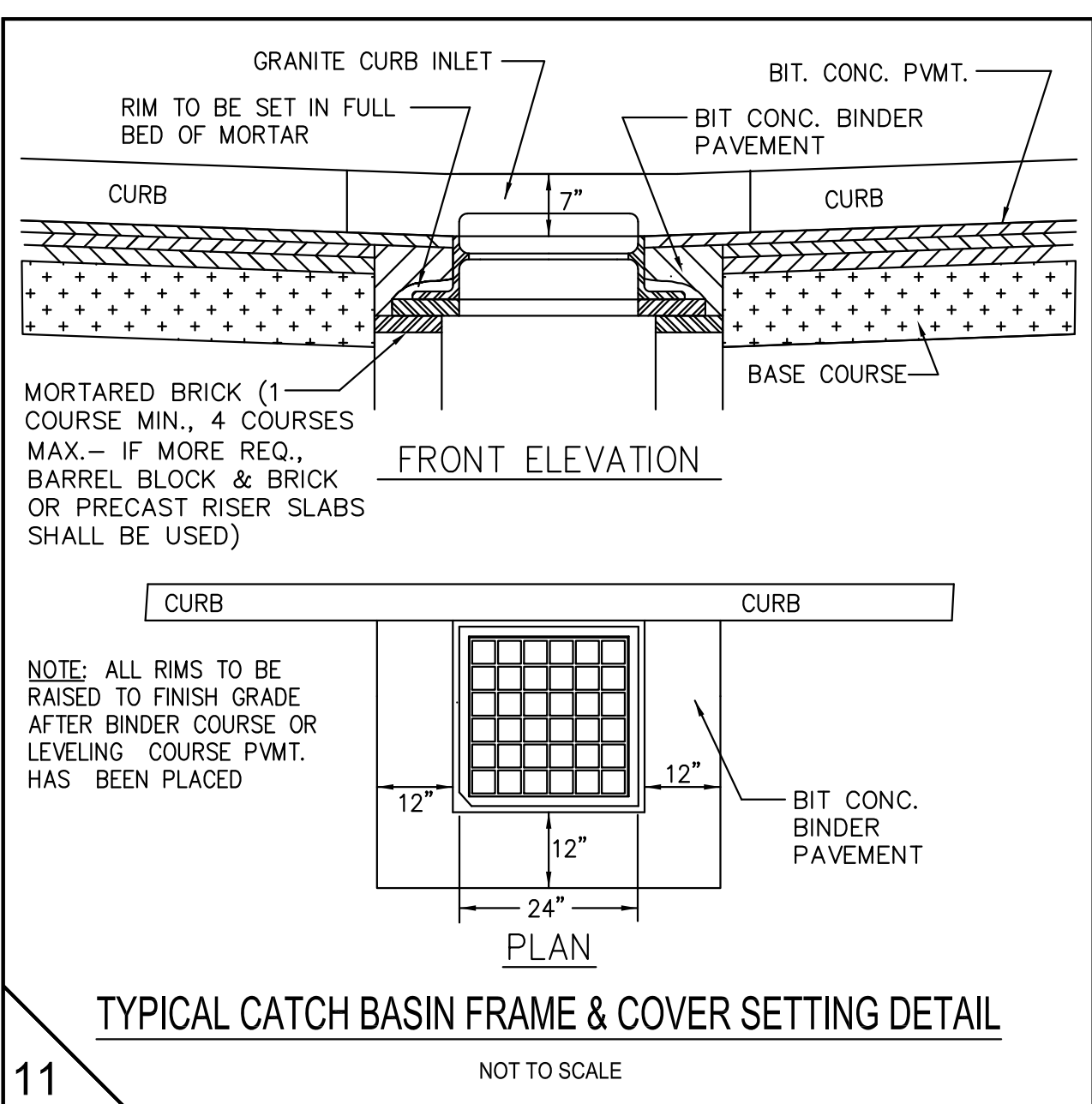
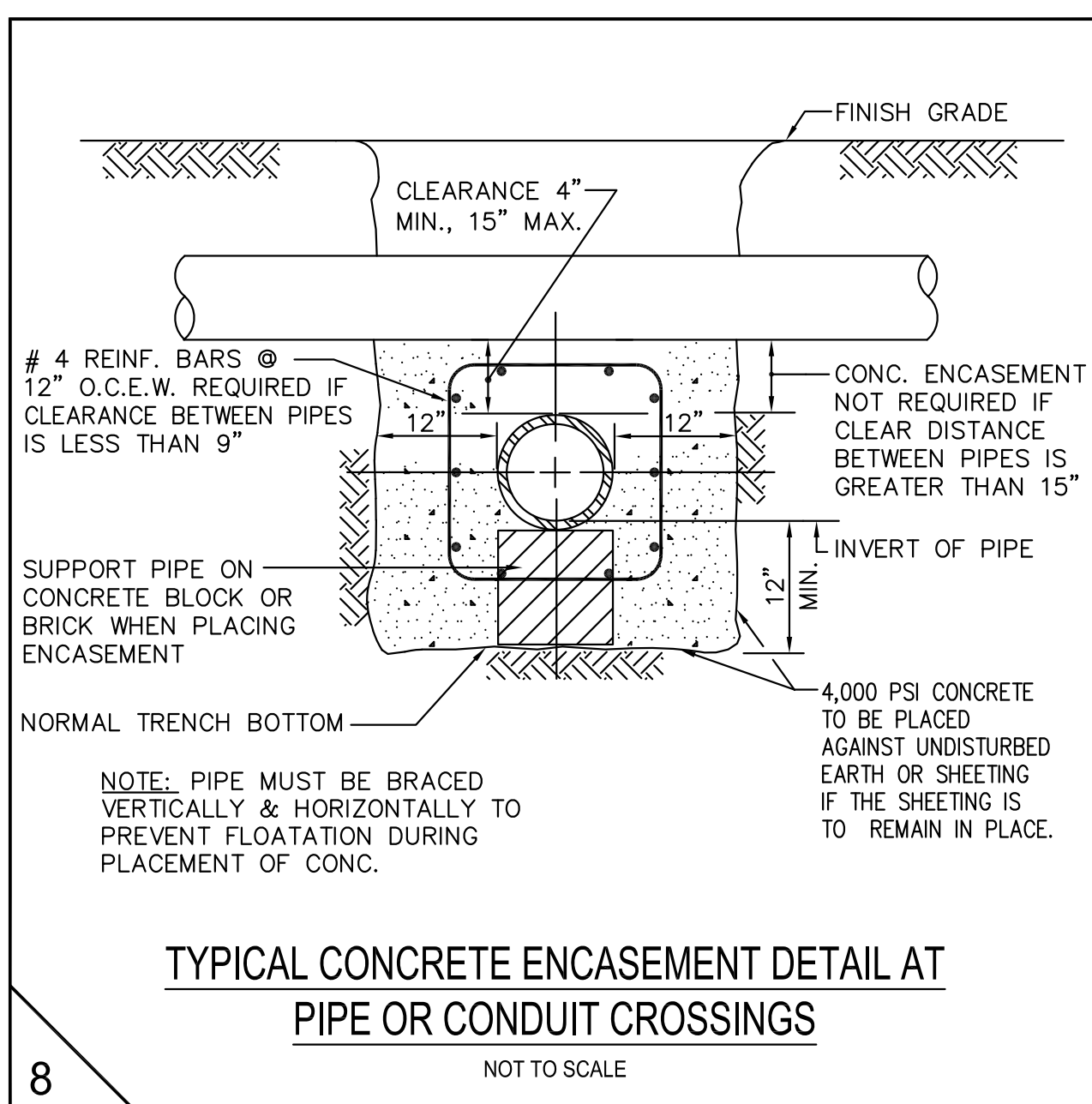
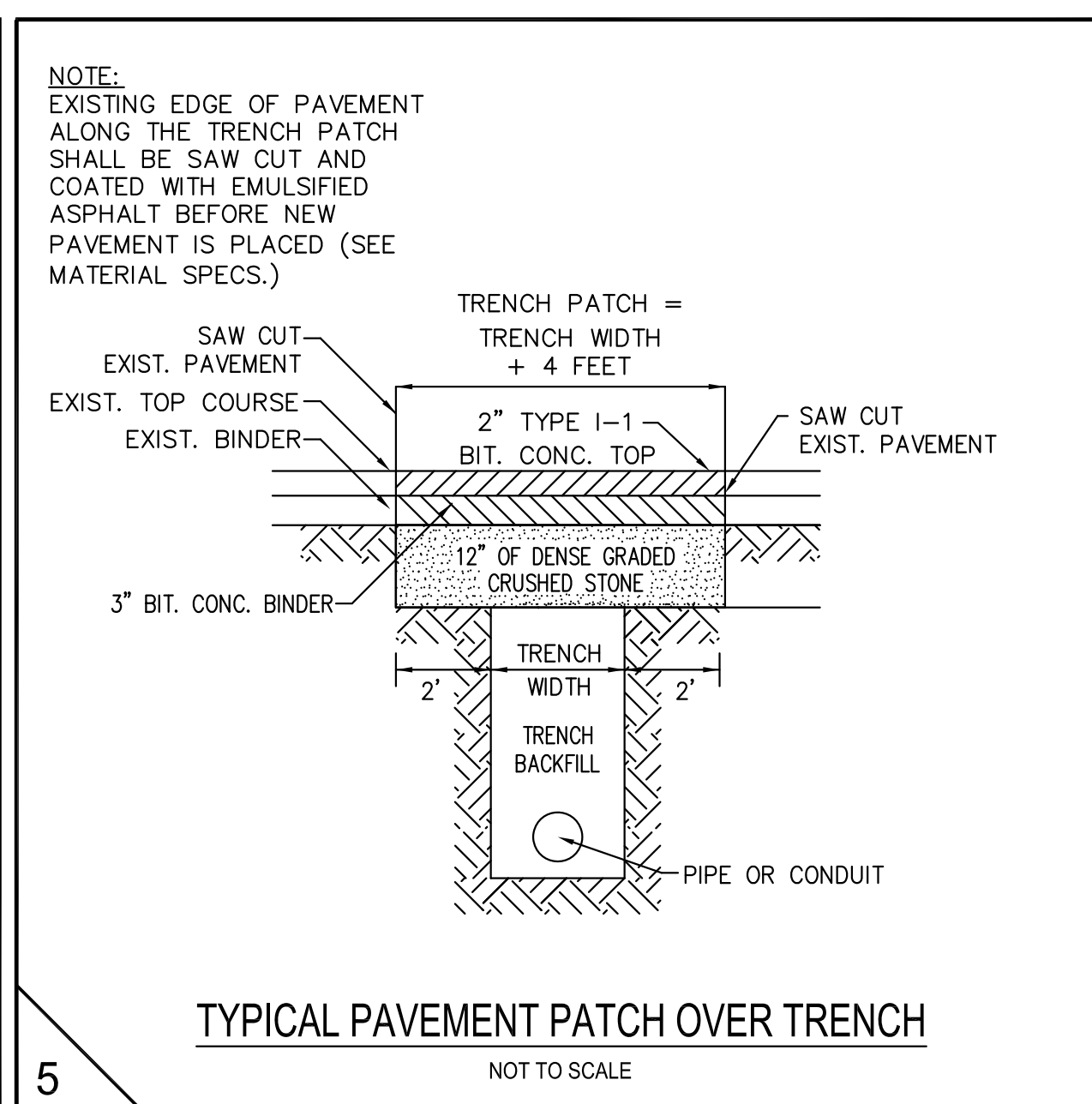
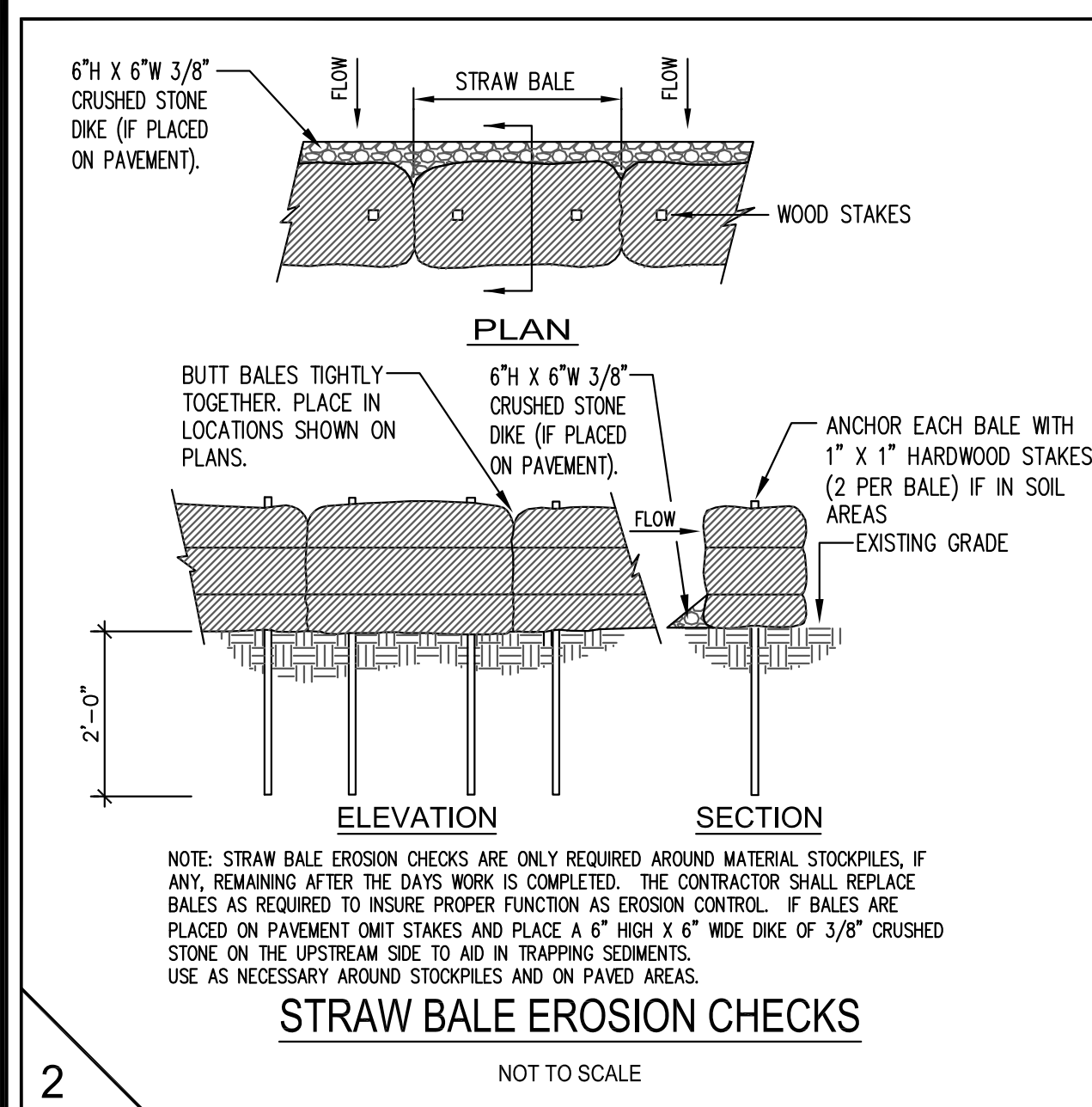
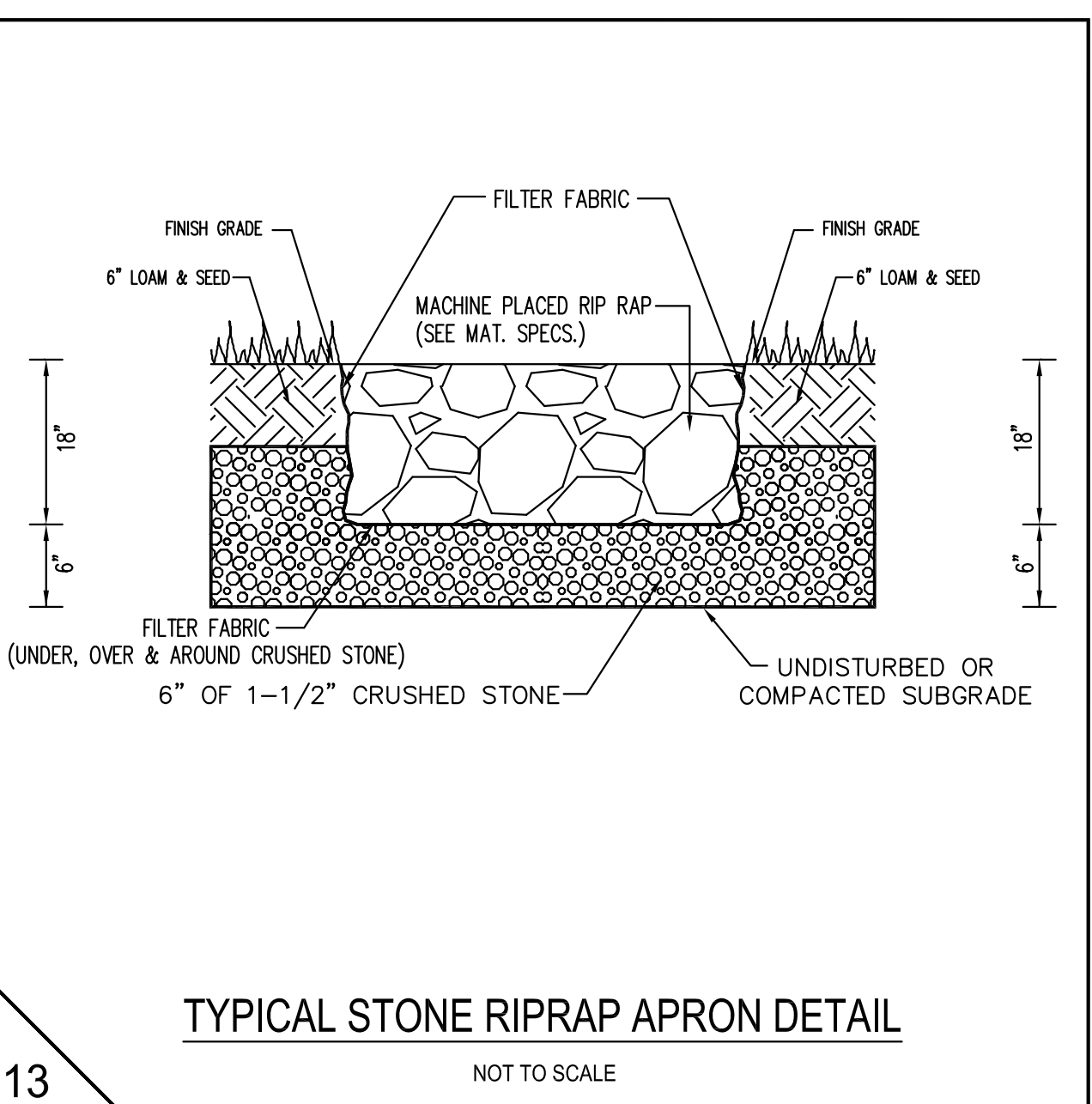
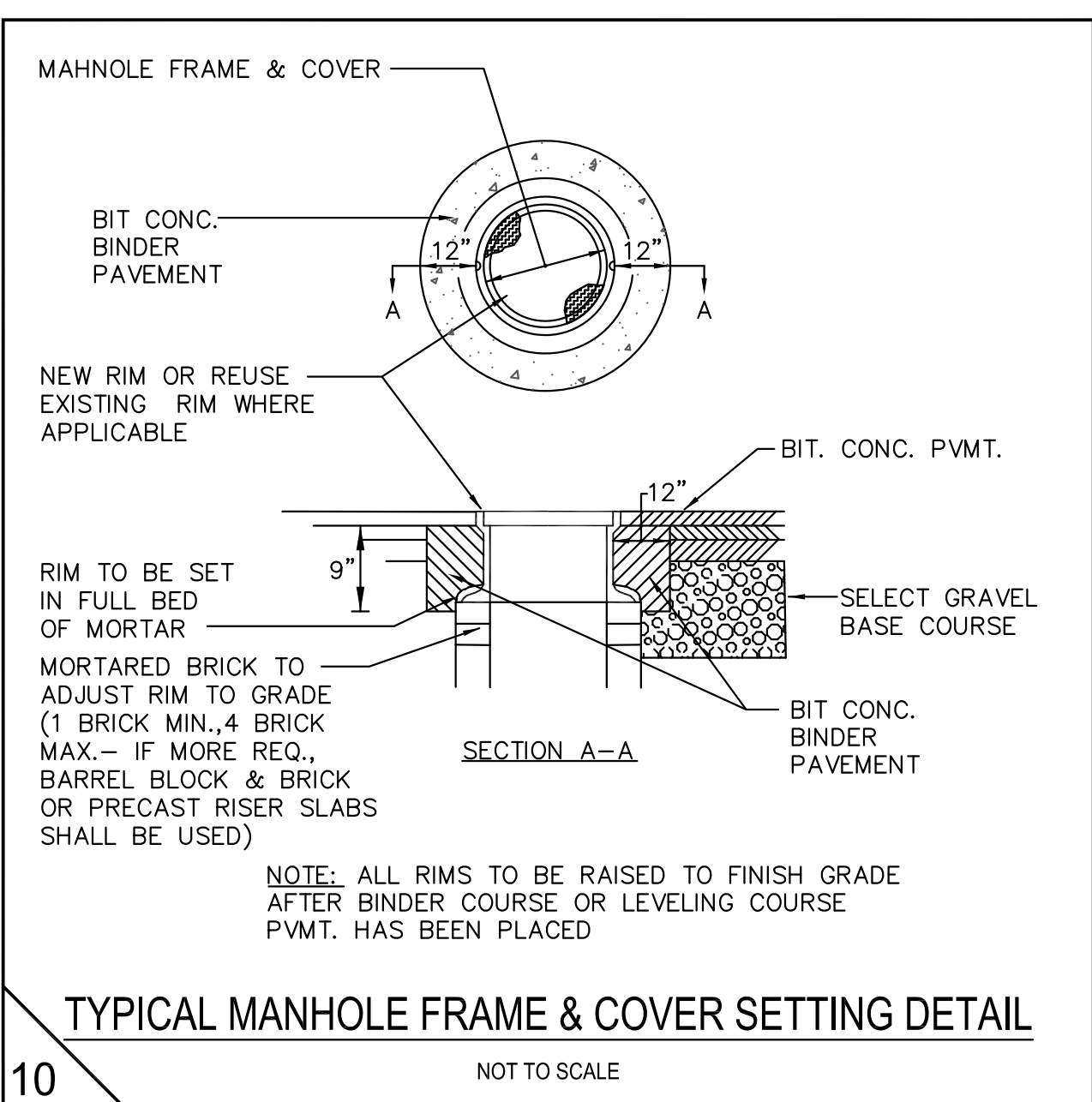
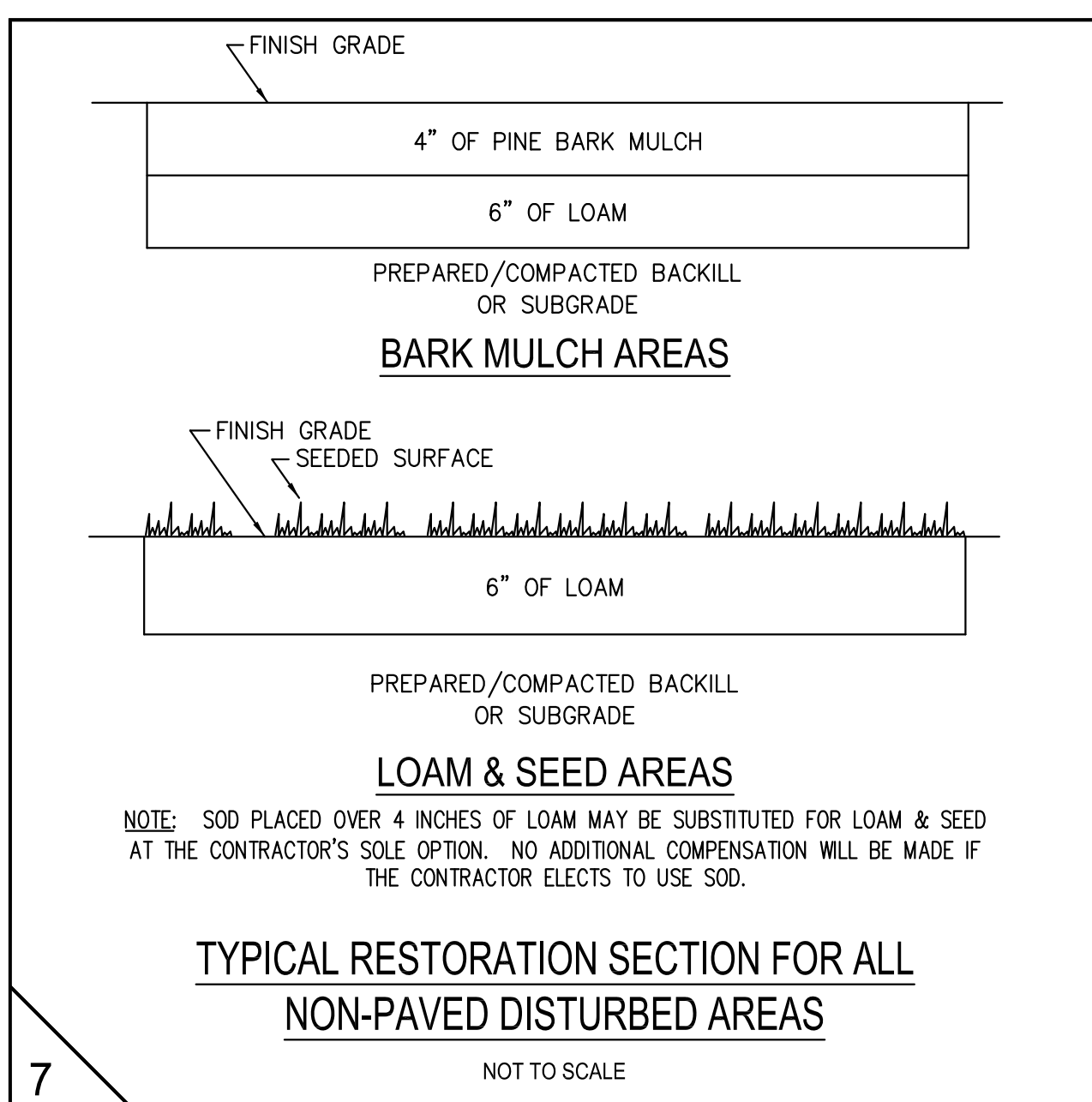
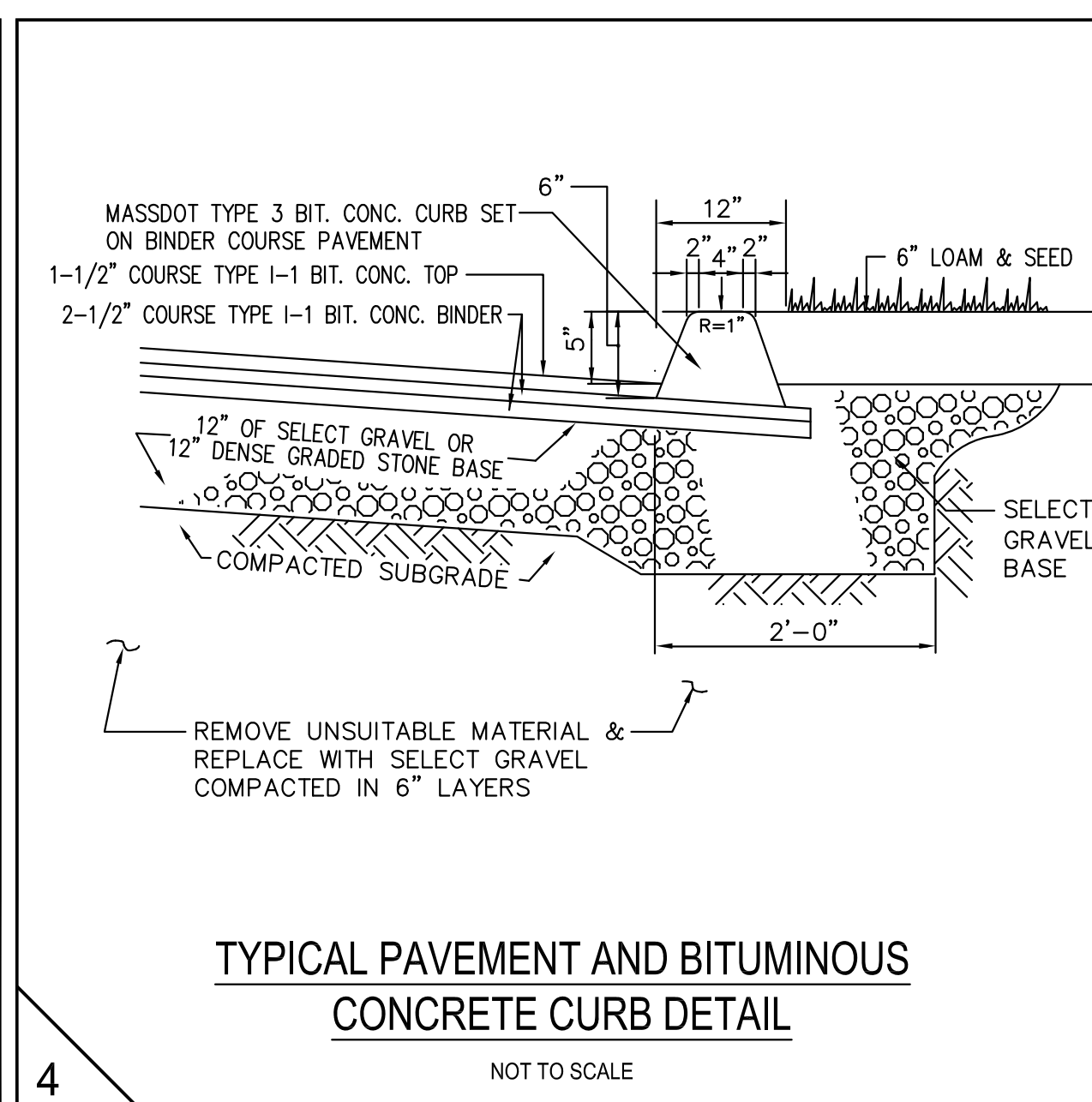
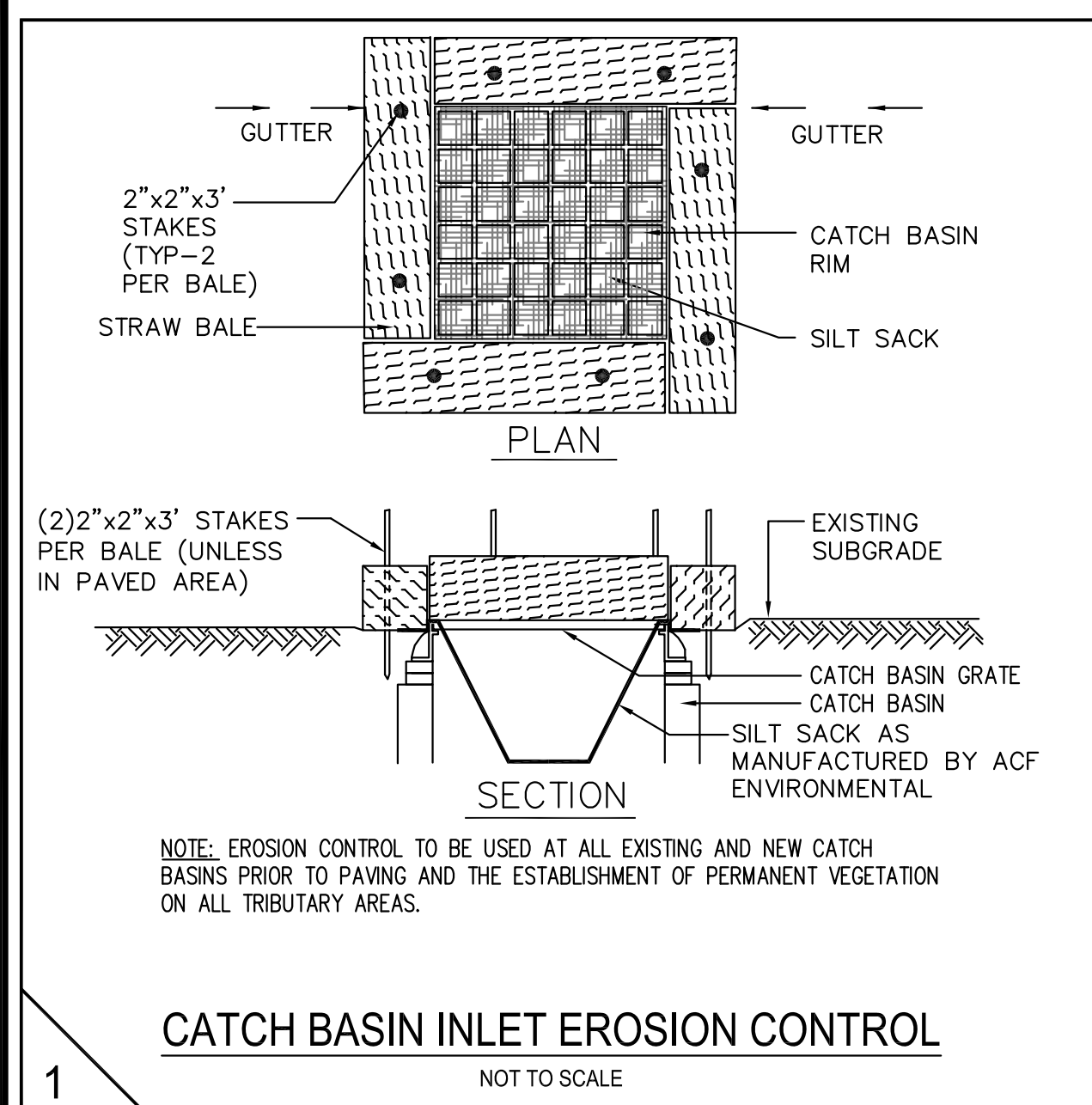
Civil - Environmental Engineering including Storm water, Wastewater, Water Supply, Highway & Infrastructure Design, Land Planning, Land Subdivision, Site Design, Environmental Permitting, Wetlands Permitting & Land Development Permitting

PREPARED FOR:  
**TOWN OF LYNNFIELD, MA**  
 DEPARTMENT OF PUBLIC WORKS  
 TOWN HALL, 55 SUMMER STREET  
 LYNNFIELD, MASSACHUSETTS 01940  
 TEL: (781) 334-9500

**EXISTING CONDITIONS PLAN - FLETCHER ROAD**  
**ROADWAY IMPROVEMENT PROJECT**  
**FLETCHER ROAD AND TIMBERHILL LANE**  
**LYNNFIELD, MASSACHUSETTS**

**SHEET**  
**6 OF 7**





**NOTE:**  
1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF LYNNFIELD STANDARDS AND SPECIFICATIONS, THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS FOR THIS PROJECT.

**DIG SAFE**  
ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS PLAN AND IF ANY ARE SHOWN THEY SHOULD BE CONSIDERED APPROXIMATE ONLY. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233. SOME DATA IS CONFLICTING AND CAN ONLY BE VERIFIED BY EXCAVATION.

|           |              |
|-----------|--------------|
| DES. BY:  | WAJ          |
| DR. BY:   | WAJ          |
| CKD. BY:  | RGC/WAJ      |
| APPD. BY: | RGC          |
| JOB NO.:  | 17310        |
| SCALE:    | 1" = 20'     |
| DATE:     | MAY 27, 2021 |
| DATE:     | 5/27/2021    |
| BY:       | WAJ          |
| REV#:     | 1            |

ISSUED FOR NOI FILING  
REVISIONS

**RICHARD GEORGE CUTTS**  
CIVIL ENGINEER  
No. 20034  
EXPIRES 12/31/2024

*Richard G. Cutts*  
RICHARD G. CUTTS  
REG. PROF. ENGINEER

**LINDEN ENGINEERING PARTNERS LLC**

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**CONSTRUCTION DETAILS**  
ROADWAY IMPROVEMENT PROJECT  
FLETCHER ROAD AND TIMBERHILL LANE  
LYNNFIELD, MASSACHUSETTS