

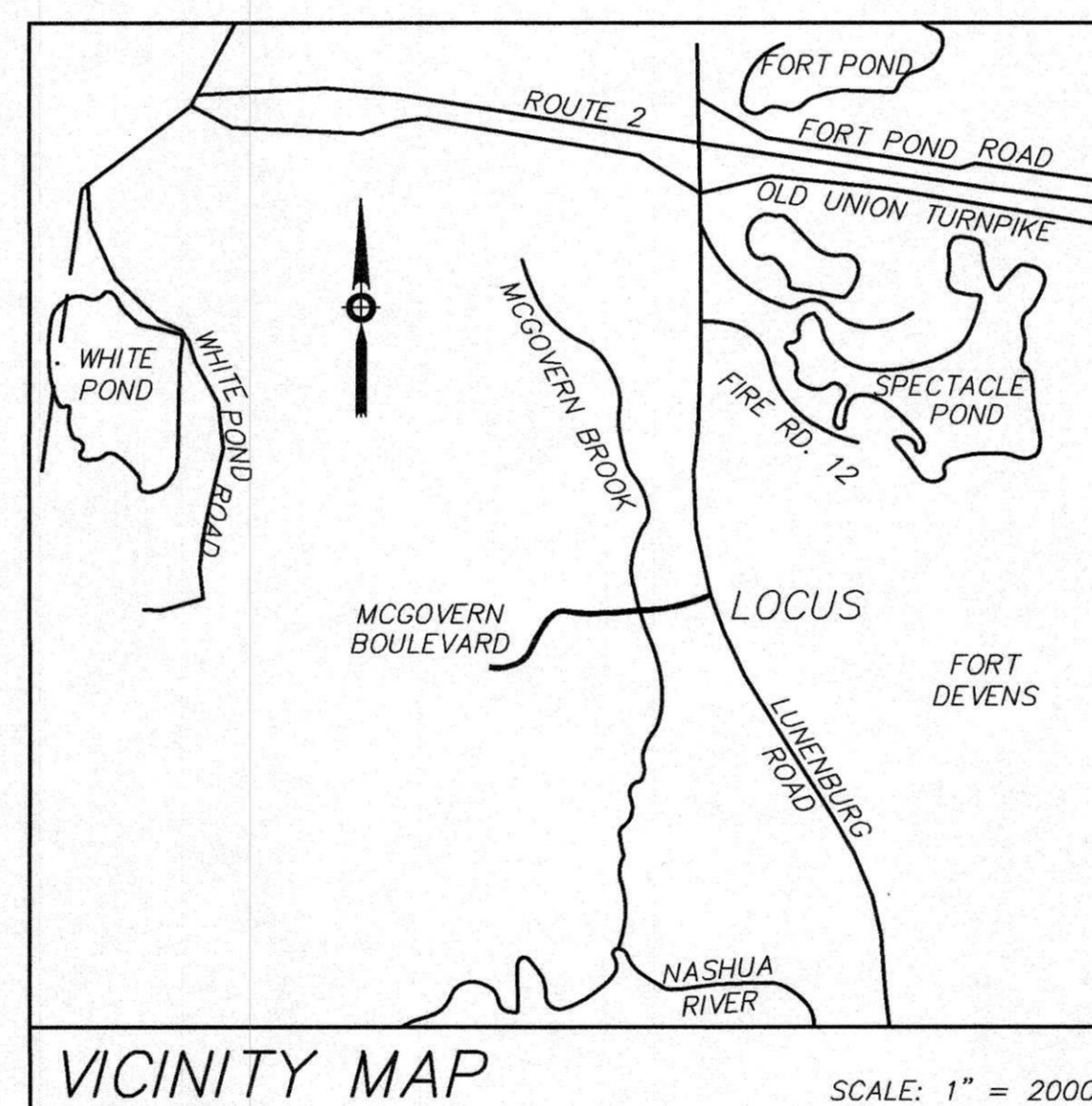
McGOVERN BOULEVARD

PHASE II: ROADWAY CONSTRUCTION

IN

LANCASTER, MASSACHUSETTS

MARCH 26, 2021



OWNER:

702, LLC
 259 TURNPIKE ROAD, SUITE 100
 SOUTHBOROUGH, MASSACHUSETTS 01772

APPLICANT:

NORTH LANCASTER, LLC
 STEVE BOUCHER
 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453

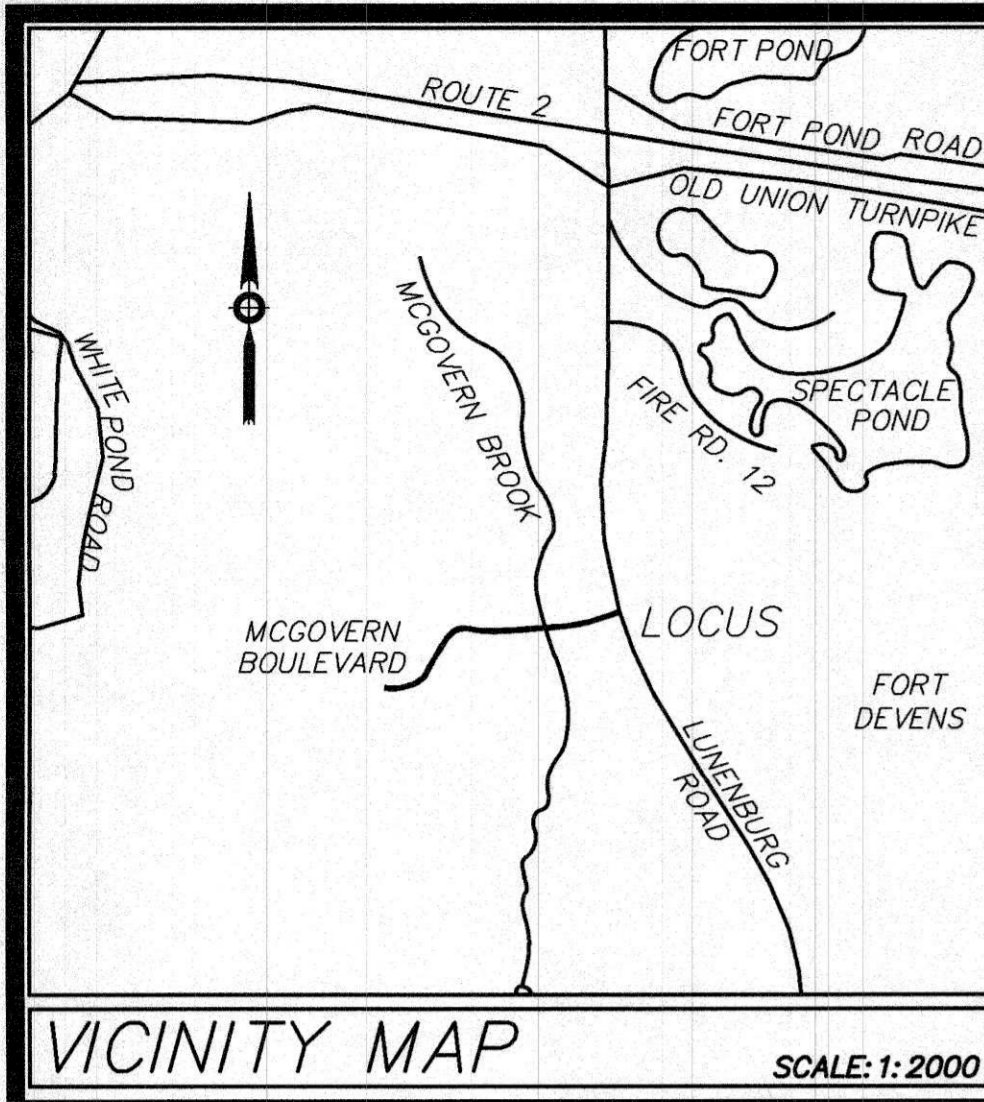
CIVIL ENGINEER & LAND SURVEYOR:

HANNIGAN ENGINEERING, INC.
 8 MONUMENT SQUARE
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: (978) 534-1234

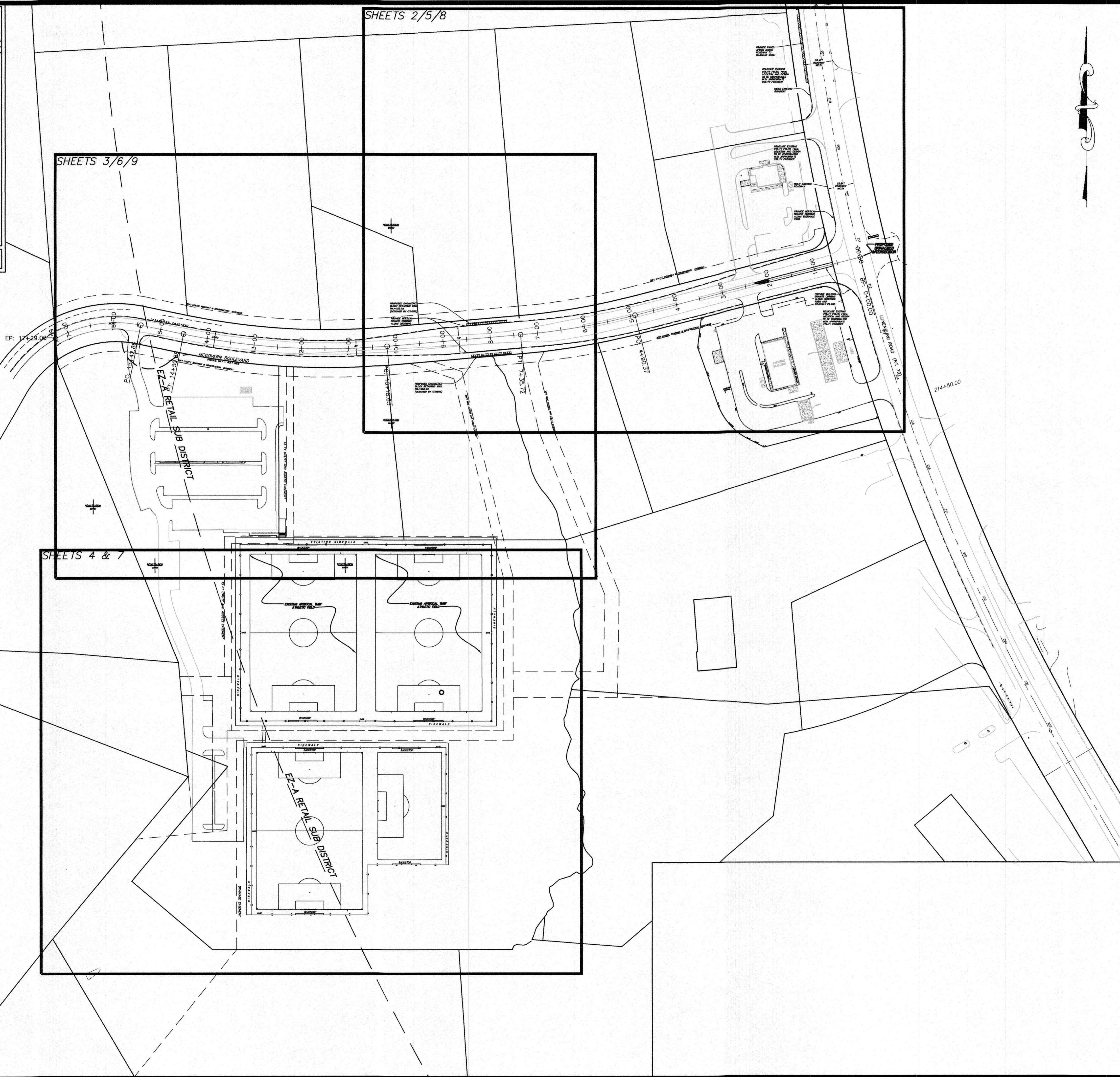
PLAN INDEX

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PERMITTING SET - NOT FOR CONSTRUCTION



VICINITY MAP
SCALE: 1:2000



PROJECT INFORMATION

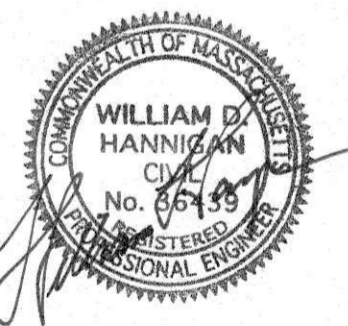
LAND INFORMATION
 MAP/PARCEL: 14/A/D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
 *HFD OVERLAY DISTRICT
 *EZ-A RETAIL SUB DISTRICT

DIMENSIONAL REQUIREMENTS:
 MINIMUM AREA: 64,000 SF
 MINIMUM FRONTAGE: 225 FEET
 MINIMUM SETBACKS:
 FRONT YARD: 40 FT**
 SIDE YARD: 30 FT
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 **100FT WHEN ABUTTING A RESIDENTIAL DISTRICT

GENERAL NOTES:

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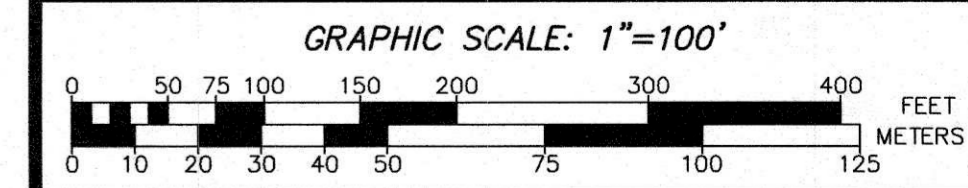
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HANNIGAN ENGINEERING, INC.
 CIVIL ENGINEERS & LAND SURVEYORS

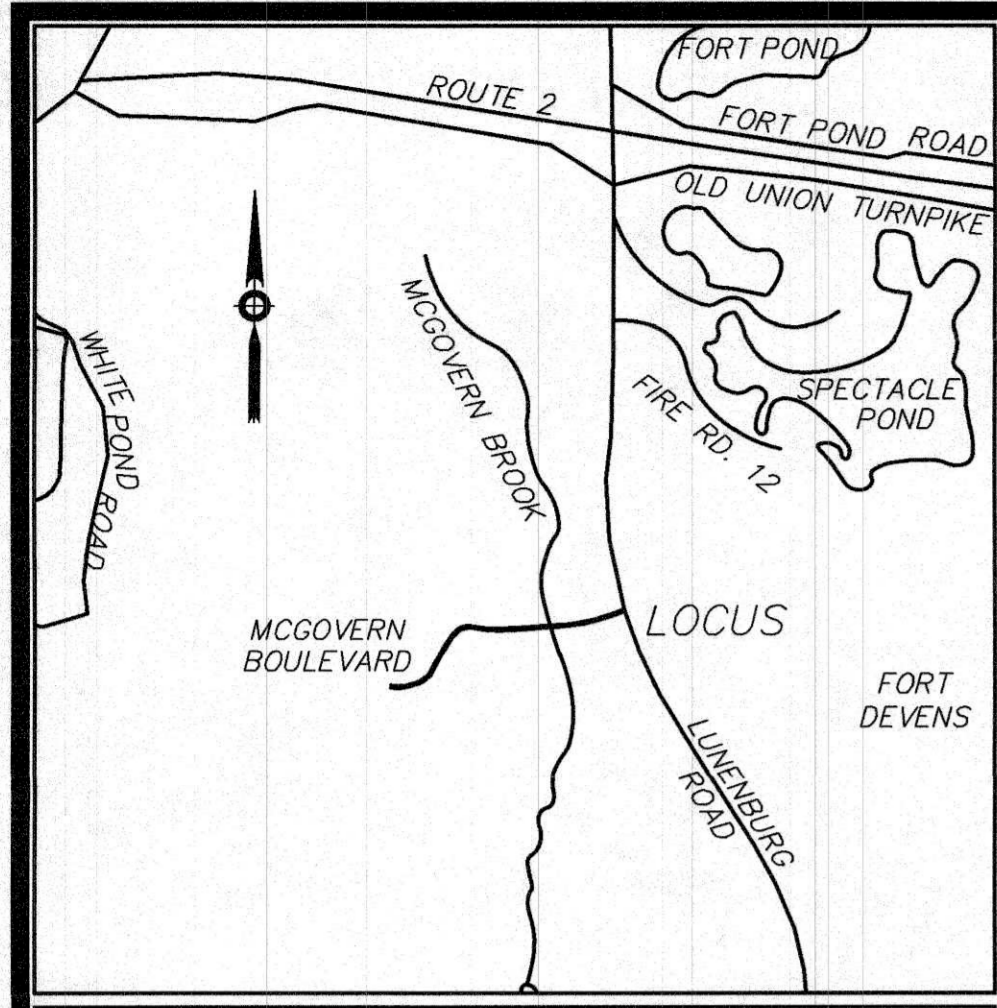
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SITE INDEX PLAN
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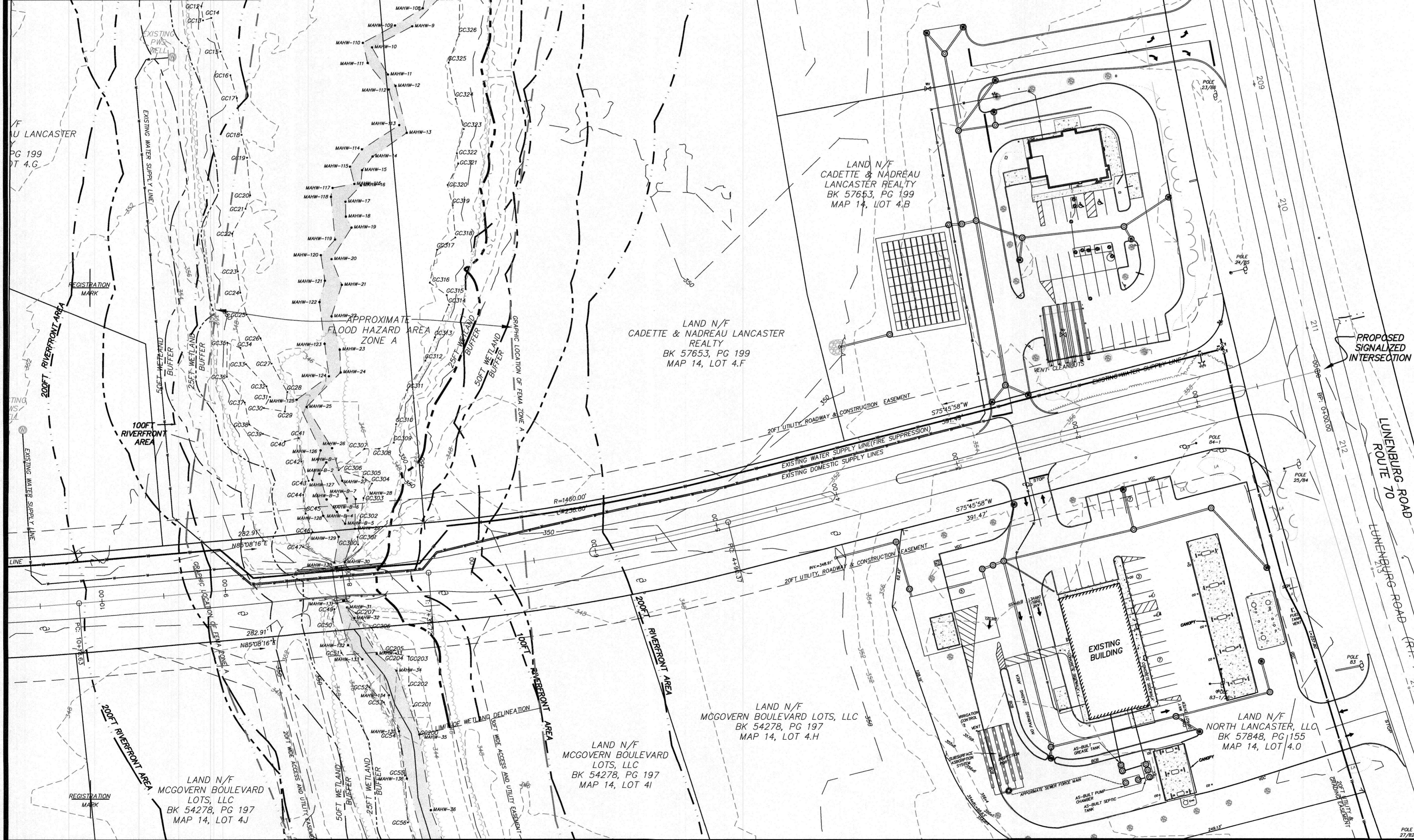
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 TEL: 978-534-0816



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| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (1)INDEX | SHEET 1 OF 15 | PLAN NO: C-11-1 |



VICINITY MAP
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| DEED BOOK/PAGE: | 52227/354 |
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David J. Lacey
No. 47416
REGISTERED PROFESSIONAL LAND SURVEYOR

Deed A. 10/20/21 3-26-21

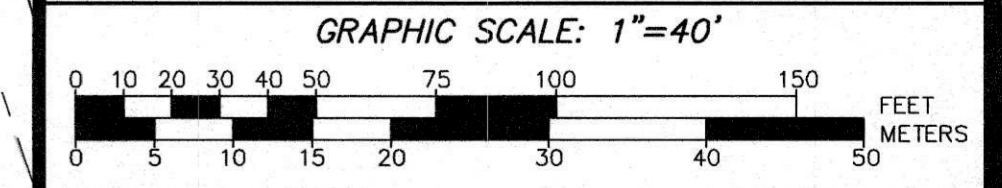
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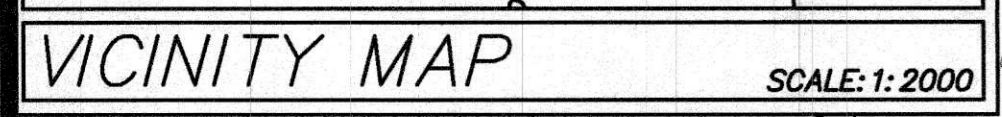
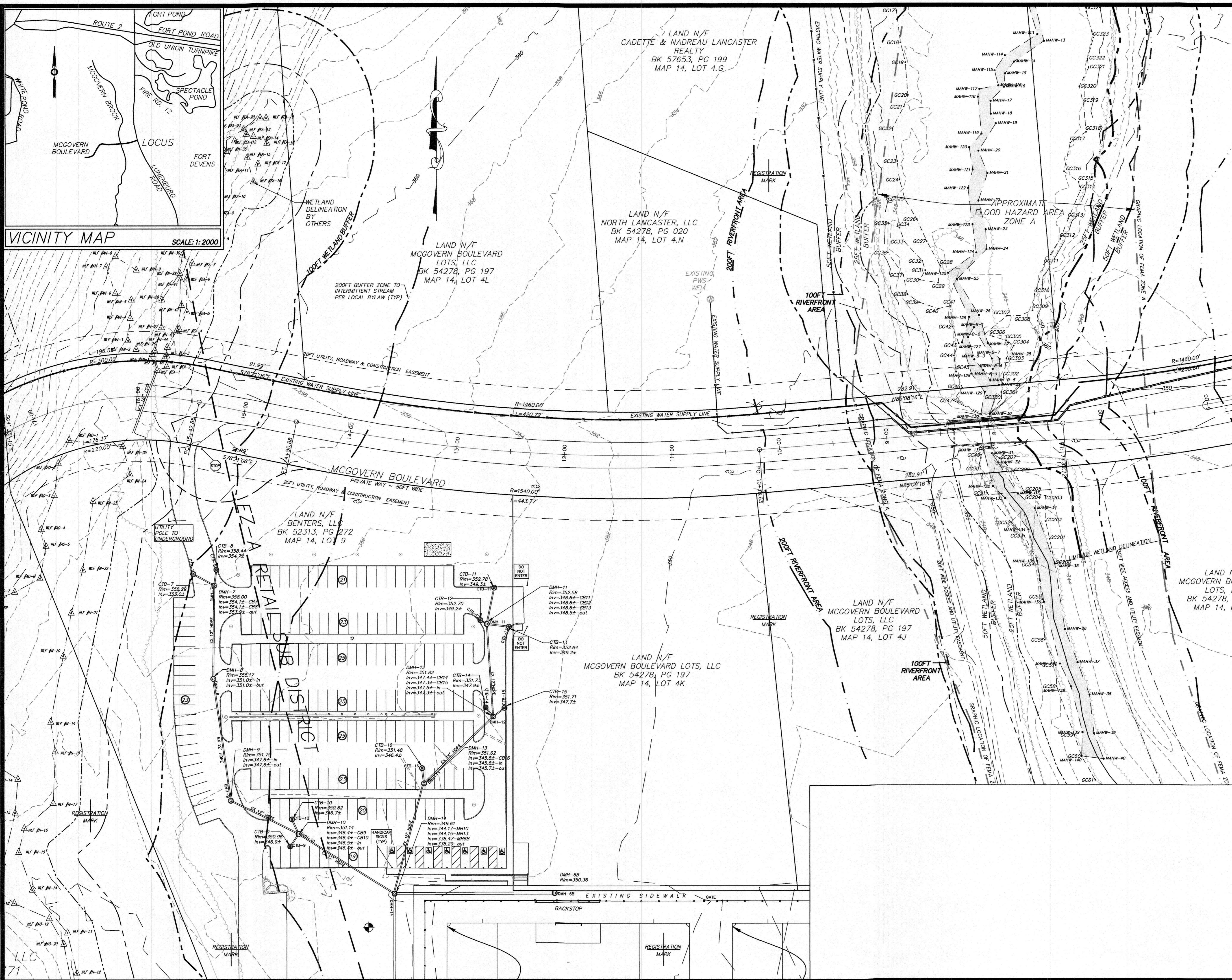
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EXISTING CONDITIONS PLAN
IN
LANCASTER, MASSACHUSETTS

PREPARED FOR:
NORTH LANCASTER, LLC
STEVE BOUCHER
435 LANCASTER STREET
LEOMINSTER, MASSACHUSETTS 01453
TEL: 978-534-0816



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| TAB: | (2) EXCOND | SHEET | 2 OF 15 | PLAN NO: | C-11-1 |



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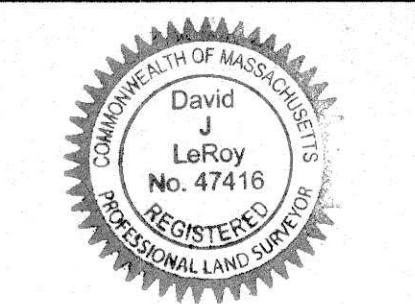
LAND INFORMATION
 MAP/PARCEL: 14/A/D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
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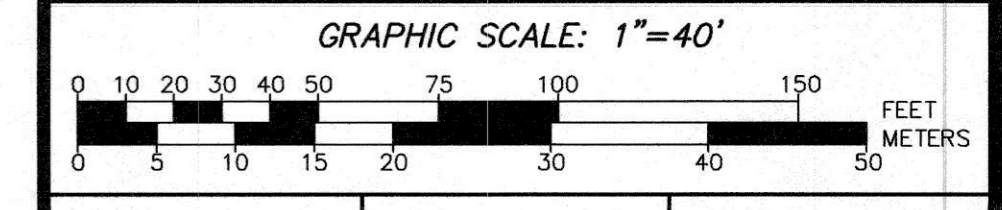
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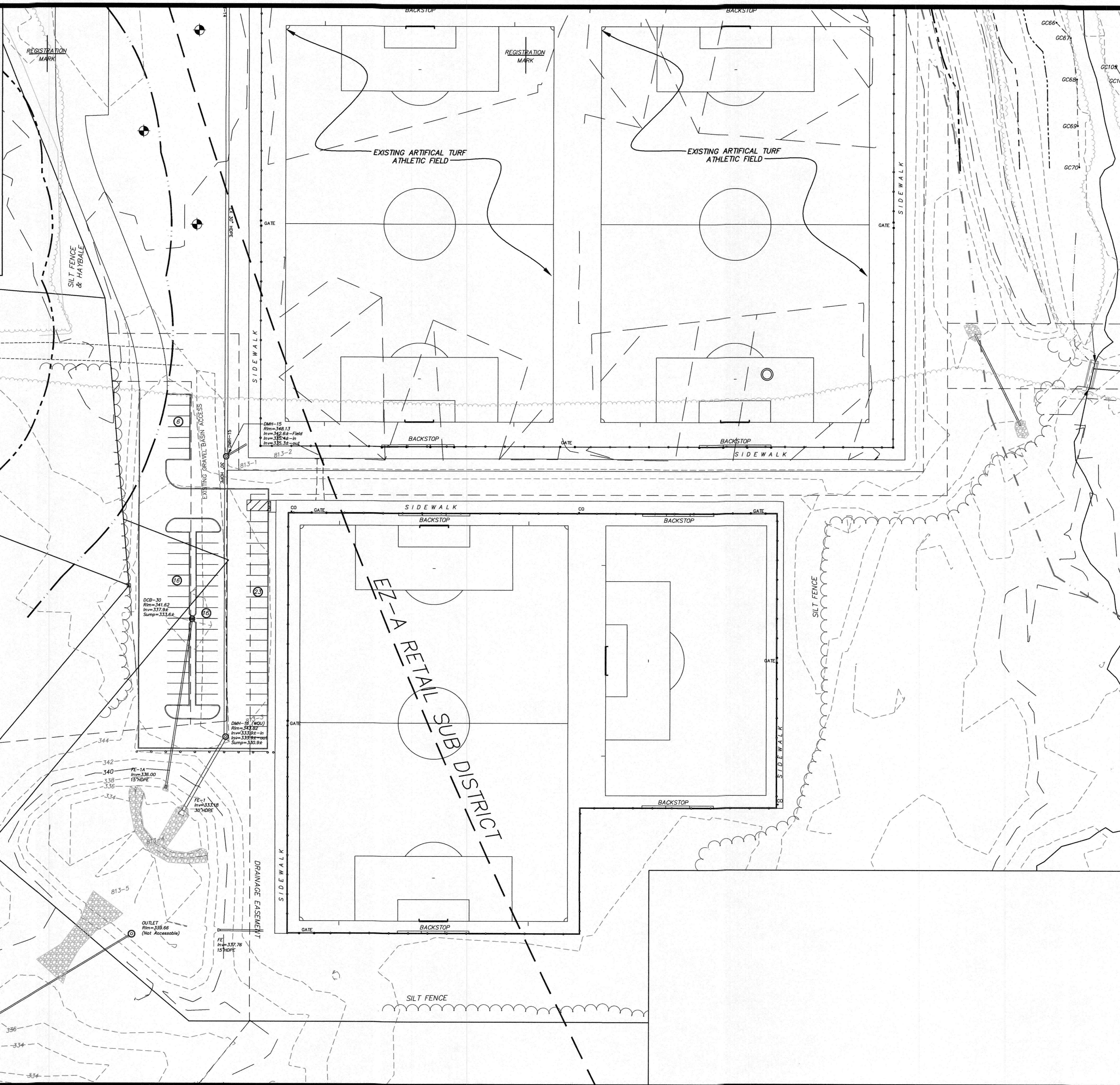
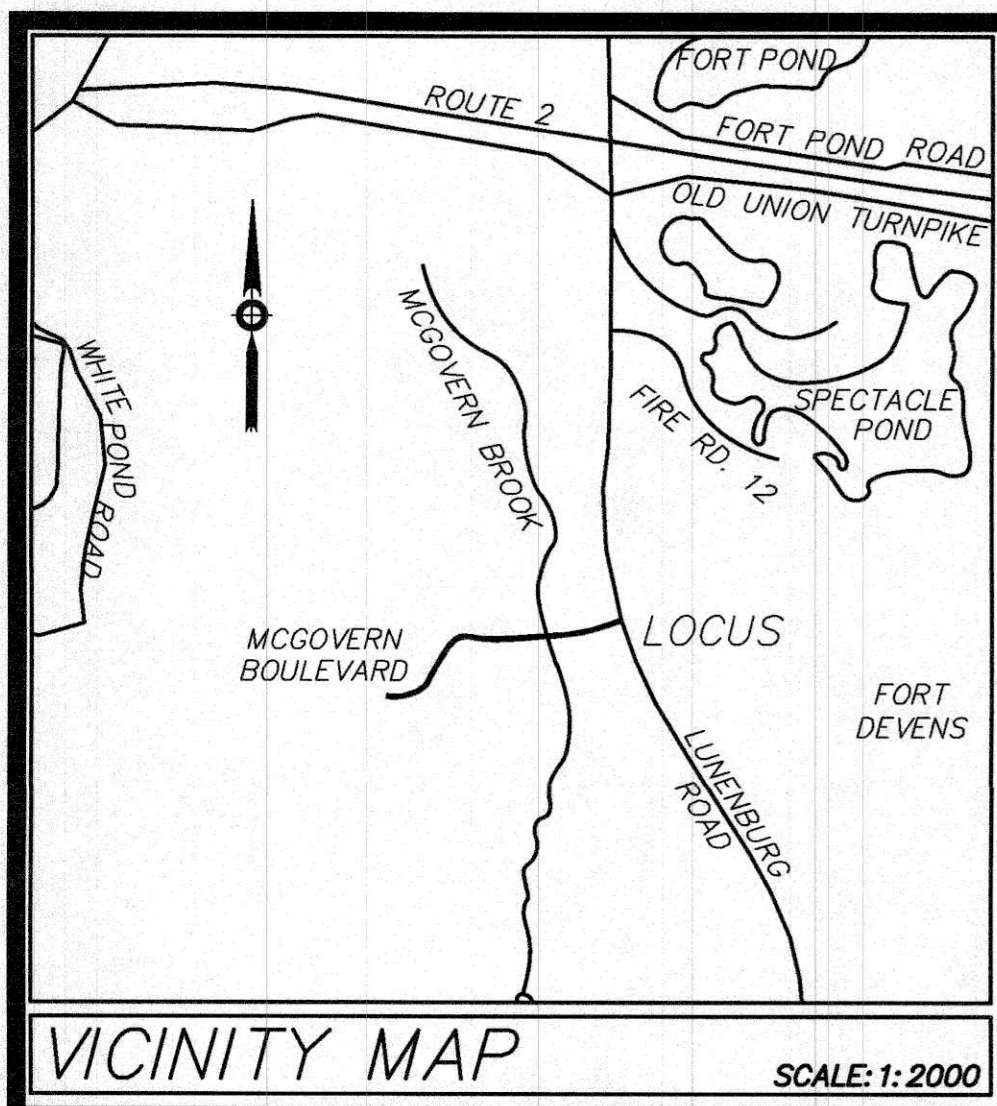
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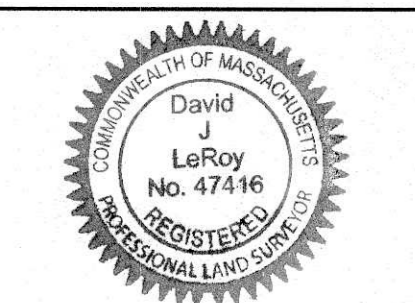
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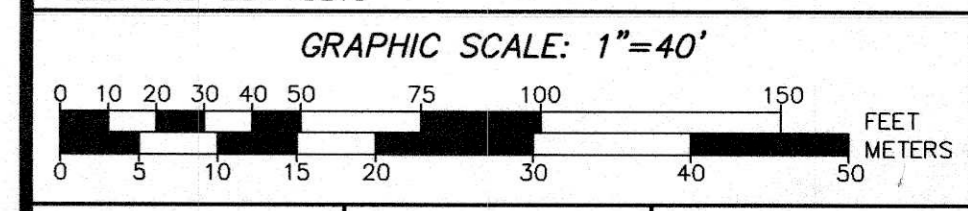
David J. LeRoy 3-26-21

HANNIGAN ENGINEERING, INC.
 CIVIL ENGINEERS & LAND SURVEYORS

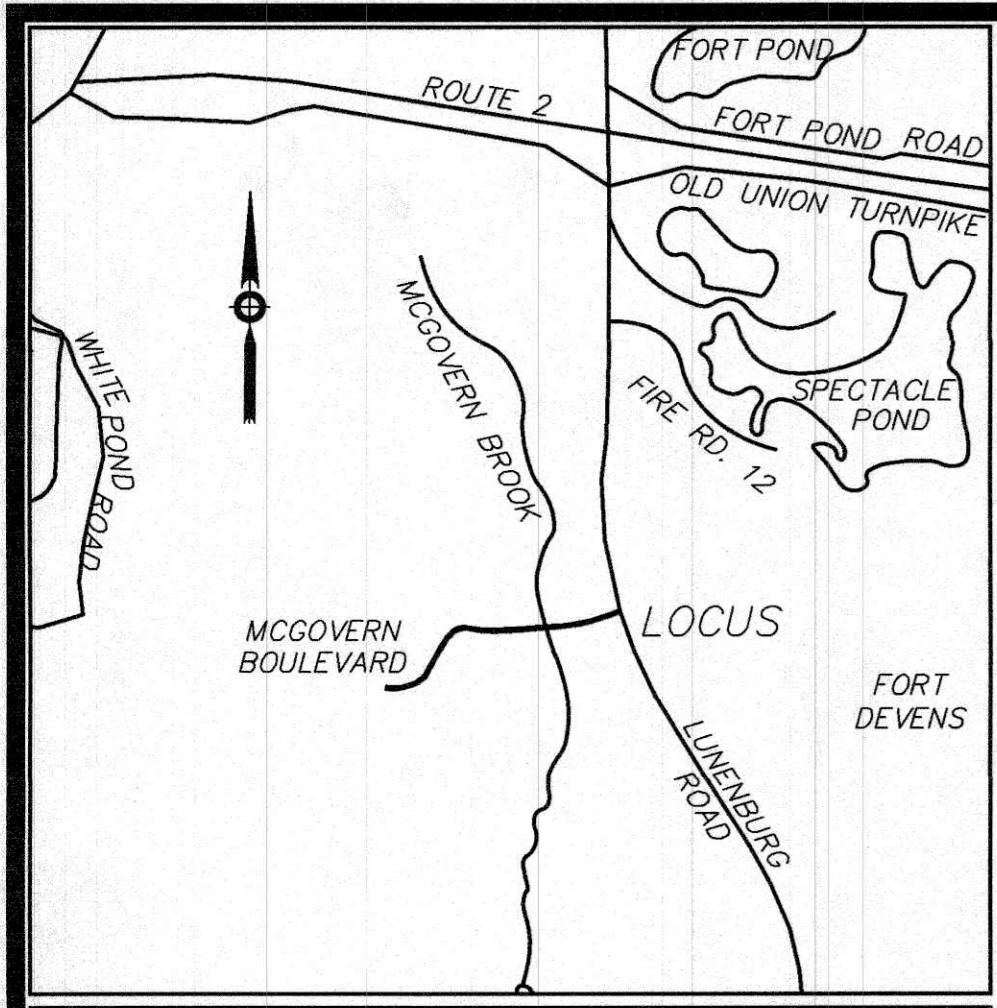
8 MONUMENT SQUARE (978) 534-1234 (T)
 LEOMINSTER, MASSACHUSETTS 01453 (978) 534-6060 (F)
 WWW.HANNIGANENGINEERING.COM

EXISTING CONDITIONS PLAN
 IN
LANCASTER, MASSACHUSETTS

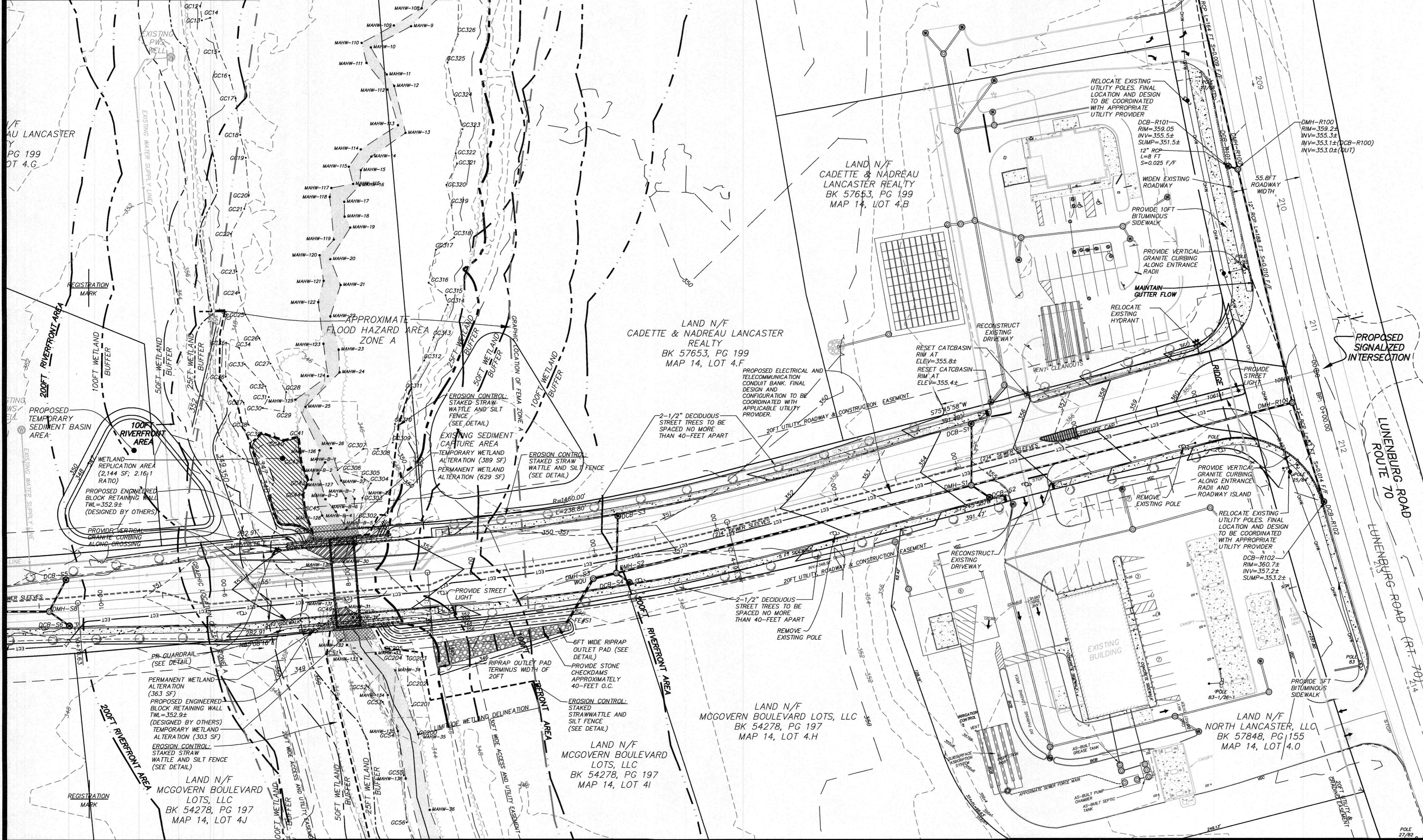
PREPARED FOR:
 NORTH LANCASTER, LLC
 STEVE BOUCHER
 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: 978-534-0816



| | | |
|-----------------|---------------|--------------------|
| CALC: CMA/WDH | DRWN: CMA/WDH | SCALE: 1"=40' |
| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (4) EXCOND | SHEET 4 OF 15 | PLAN NO: C-11-1 |



VICINITY MAP
SCALE: 1:2000



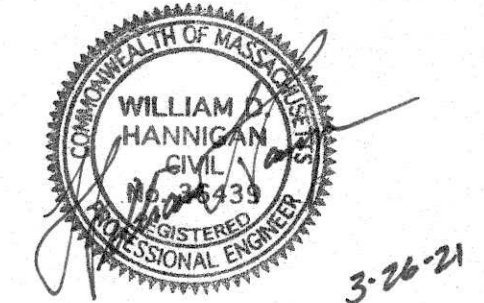
PROJECT INFORMATION

LAND INFORMATION
 MAP/PARCEL: 14/4D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
 *RFD OVERLAY DISTRICT
 **EZ-A RETAIL SUB DISTRICT

DIMENSIONAL REQUIREMENTS:
 MINIMUM AREA: 64,000 SF
 MINIMUM FRONTAGE: 225 FEET
 MINIMUM SETBACKS:
 FRONT YARD: 40 FT**
 SIDE YARD: 30 FT
 REAR YARD: 30 FT
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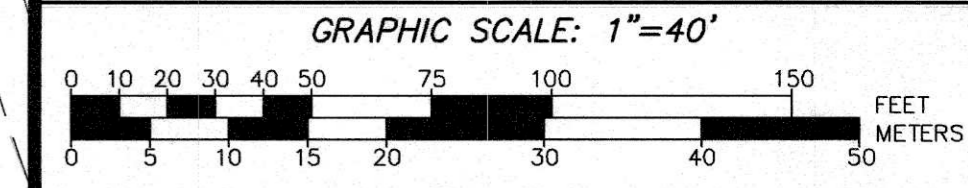


HANNIGAN ENGINEERING, INC.
 CIVIL ENGINEERS & LAND SURVEYORS

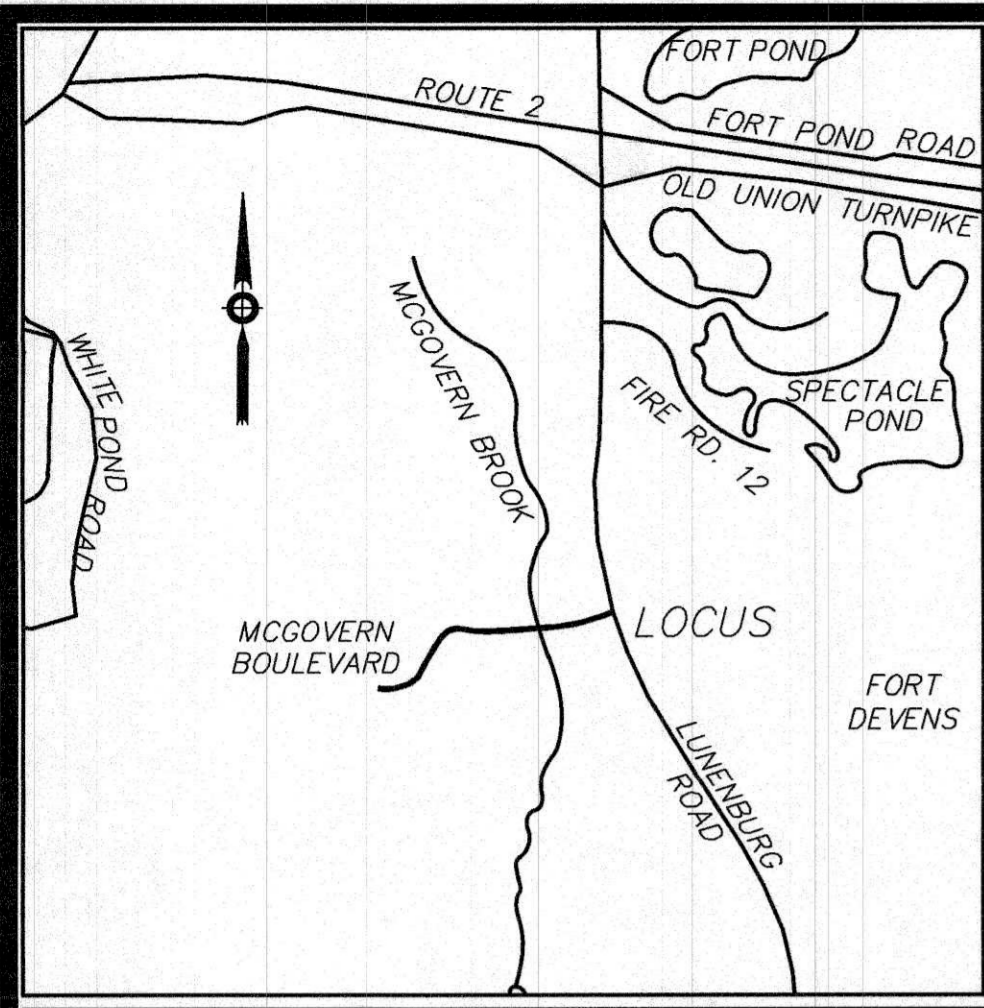
8 MONUMENT SQUARE (978) 534-1234 (T)
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SITE DEVELOPMENT PLAN
 IN
LANCASTER, MASSACHUSETTS

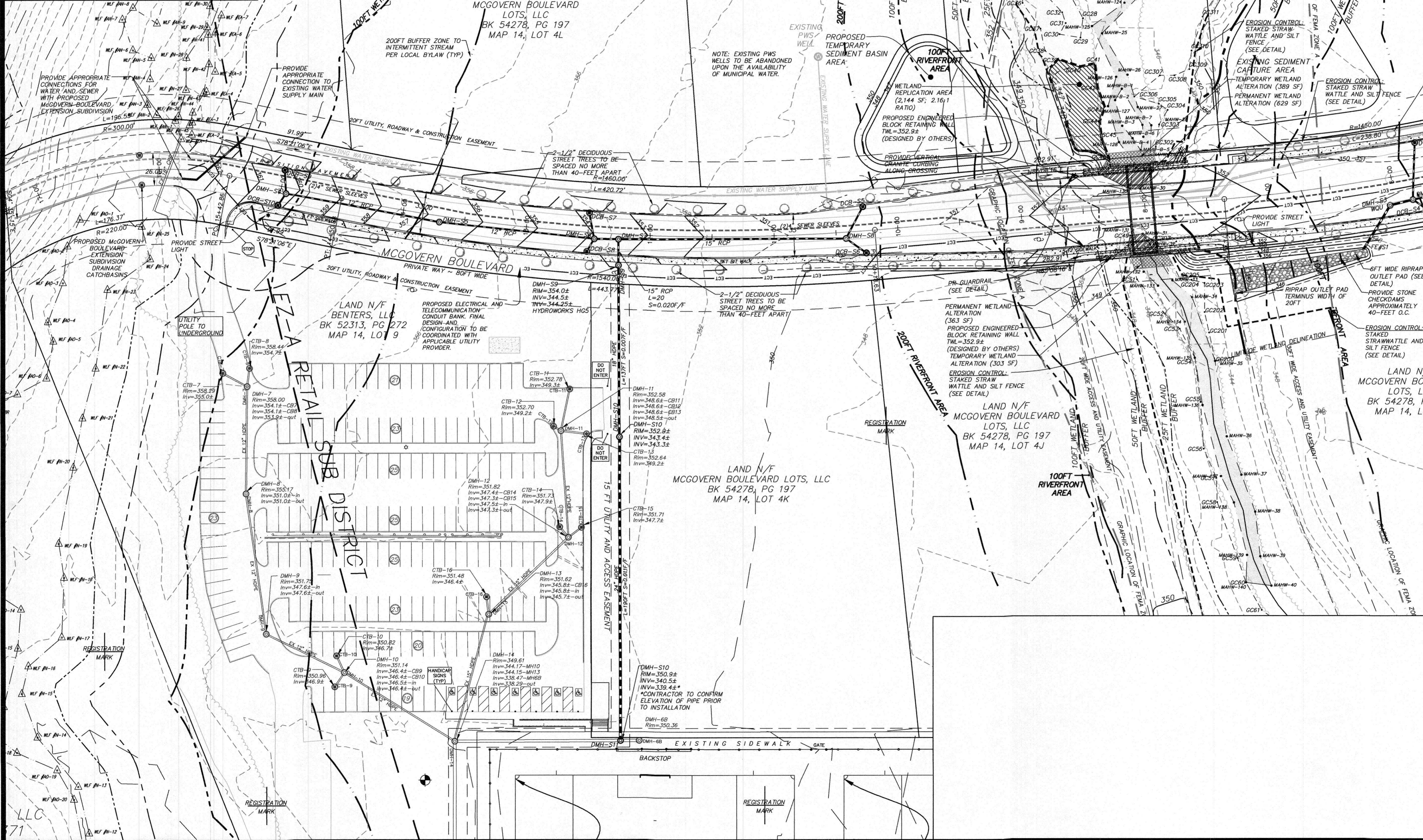
PREPARED FOR:
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 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: 978-534-0816



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| CALC: CMA/WDH | DRWN: CMA/WDH | SCALE: 1"=40' |
| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (5) SDP | SHEET 5 OF 15 | PLAN NO: C-11-1 |



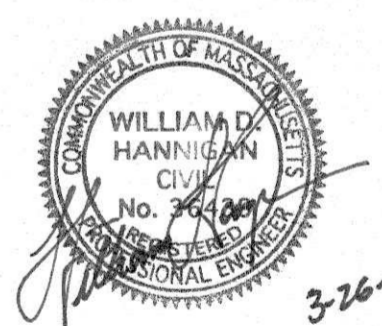
VICINITY MAP
SCALE: 1"=2000'



PROJECT INFORMATION

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|----------------------------------|--|
| LAND INFORMATION | |
| MAP/PARCEL: | 14/A/D |
| DEED BOOK/PAGE: | 52227/354 |
| ZONING INFORMATION | |
| ZONING DISTRICT: | ENTERPRISE DISTRICT * |
| | "E2-A RETAIL SUB DISTRICT |
| DIMENSIONAL REQUIREMENTS: | |
| MINIMUM AREA: | 64,000 SF |
| MINIMUM FRONTAGE: | 225 FEET |
| MINIMUM SETBACKS: | |
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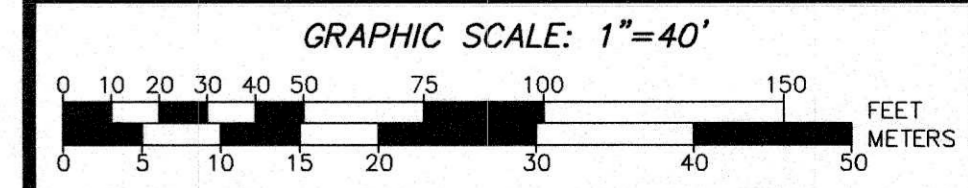
HANNIGAN ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS

8 MONUMENT SQUARE (978) 534-1234 (T)
LEOMINSTER, MASSACHUSETTS 01453 (978) 534-0660 (F)

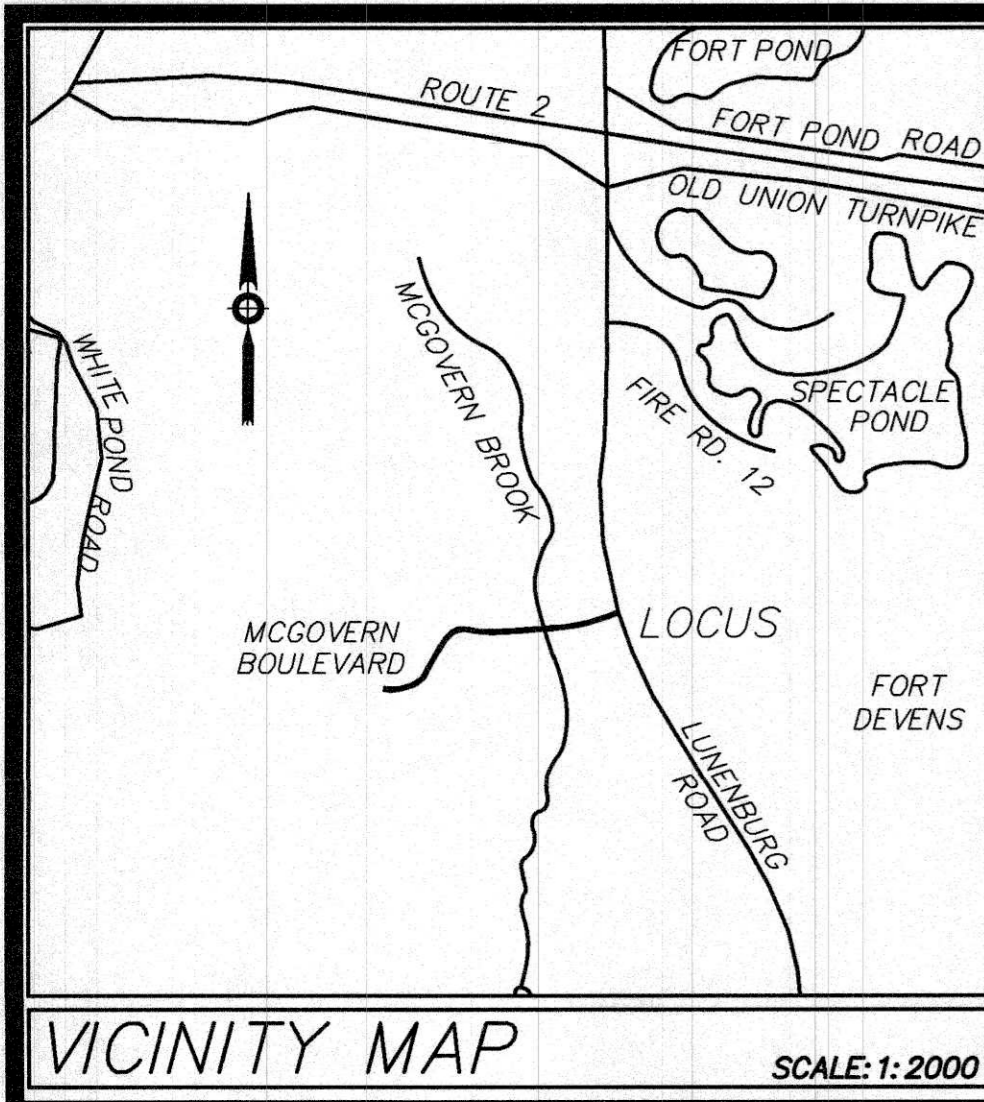
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SITE DEVELOPMENT PLAN
IN
LANCASTER, MASSACHUSETTS

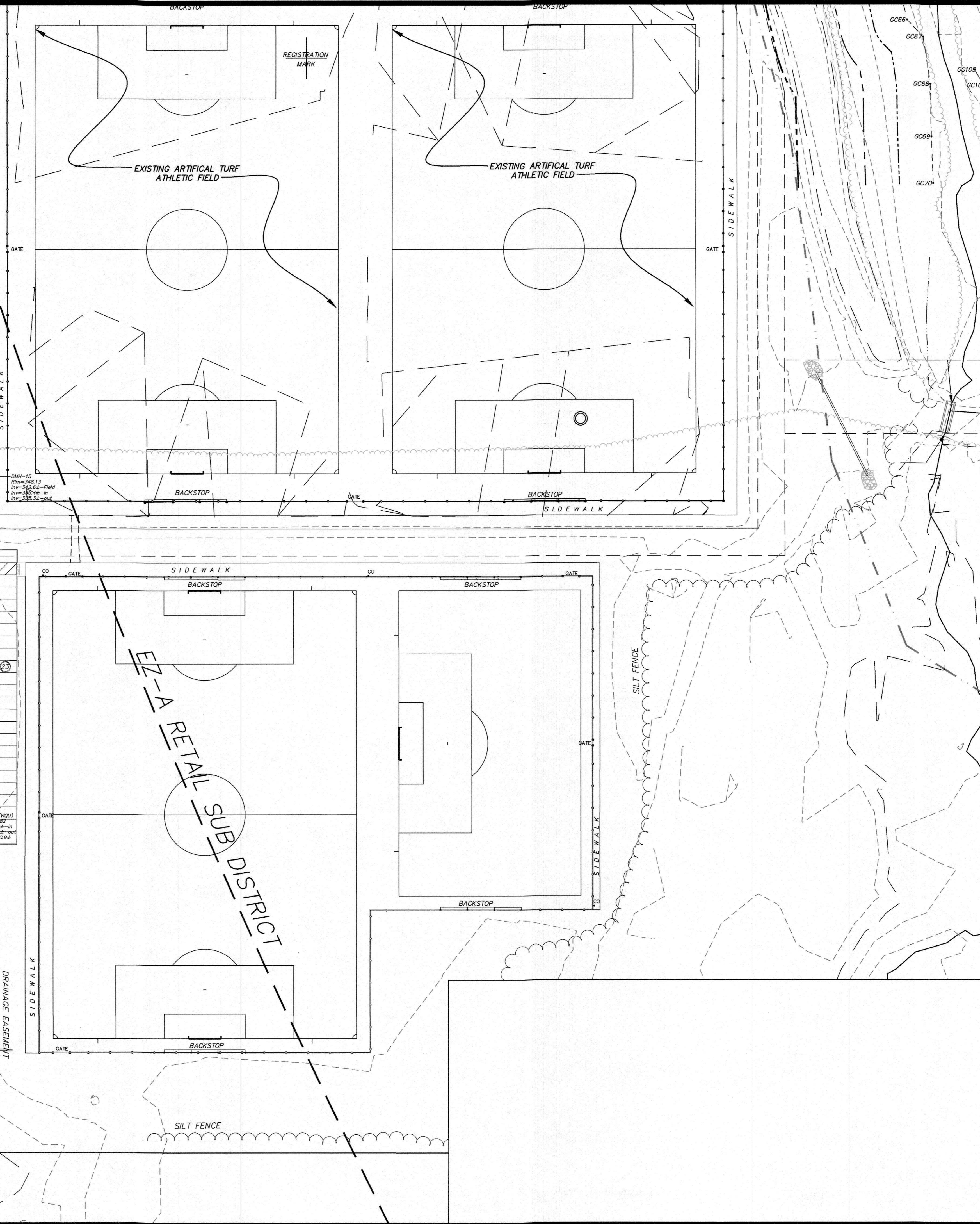
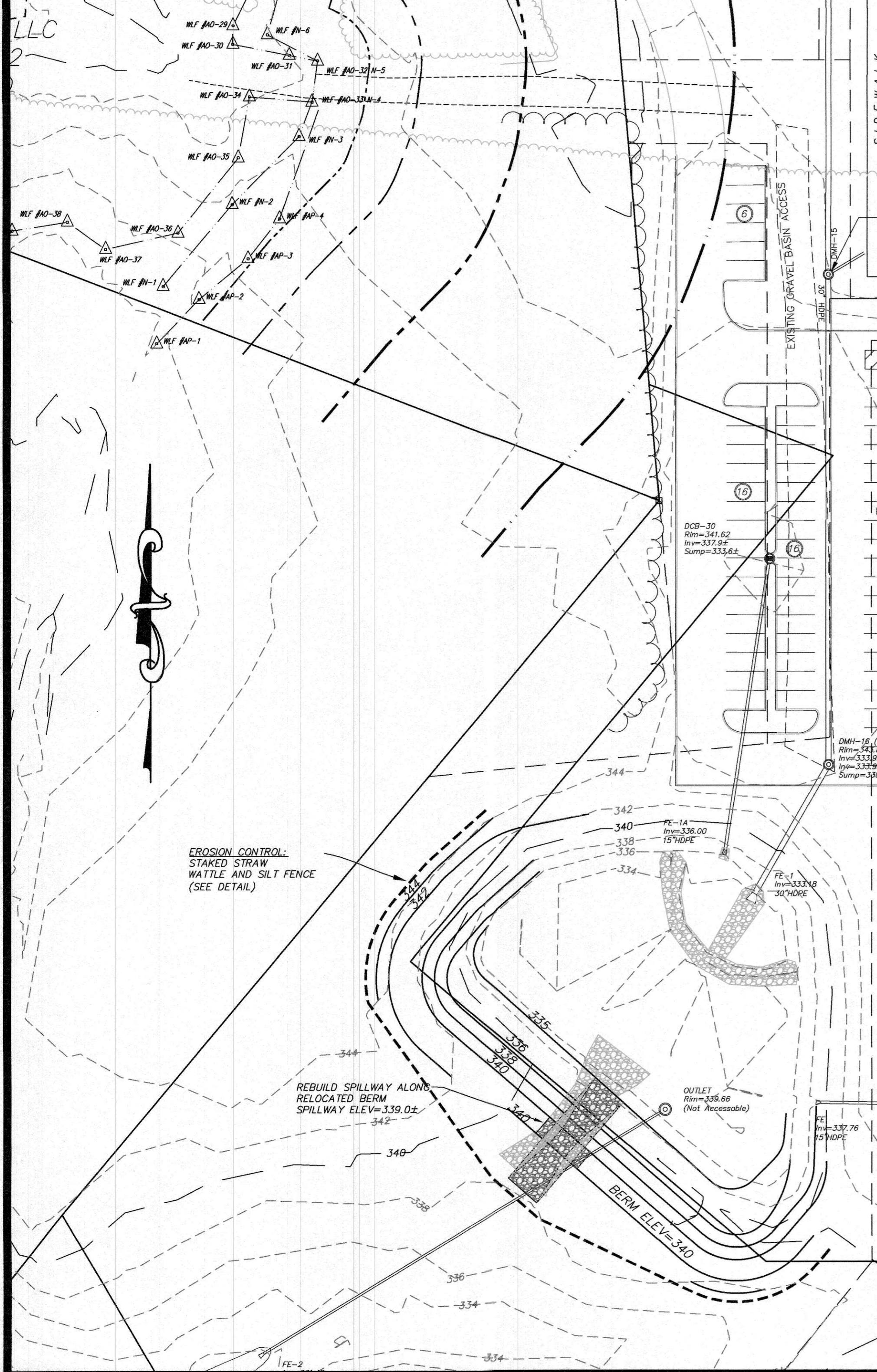
PREPARED FOR:
NORTH LANCASTER, LLC
STEVE BOUCHER
435 LANCASTER STREET
LEOMINSTER, MASSACHUSETTS 01453
TEL: 978-534-0816



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|-------|---------|-------|---------|----------|--------------|
| CALC: | CMA/WDH | DRWN: | CMA/WDH | SCALE: | 1"=40' |
| CHKD: | WDH | APPD: | WDH | DATE: | MAR 26, 2024 |
| SRV: | JEF | FB: | FILES | JOB NO: | 2226 |
| TAB: | (6) SDP | SHEET | 6 OF 15 | PLAN NO: | NC-11-1 |



VICINITY MAP
SCALE: 1:2000



PROJECT INFORMATION

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| LAND INFORMATION | |
| MAP/PARCEL: 14/4.D | |
| DEED BOOK/PAGE: 52227/354 | |
| ZONING INFORMATION | |
| ZONING DISTRICT: ENTERPRISE DISTRICT * | |
| *EZ-A RETAIL SUB DISTRICT | |
| DIMENSIONAL REQUIREMENTS: | |
| MINIMUM AREA: 64,000 SF | |
| MINIMUM FRONTAGE: 225 FEET | |
| MINIMUM SETBACKS: | |
| FRONT YARD: 40 FT** | |
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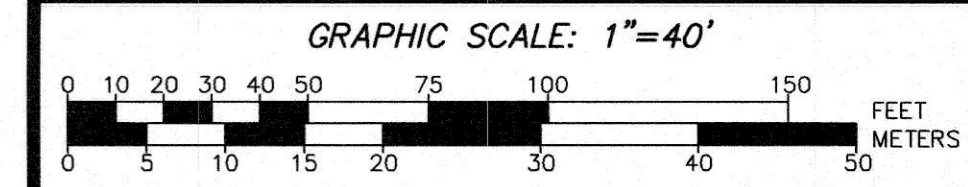
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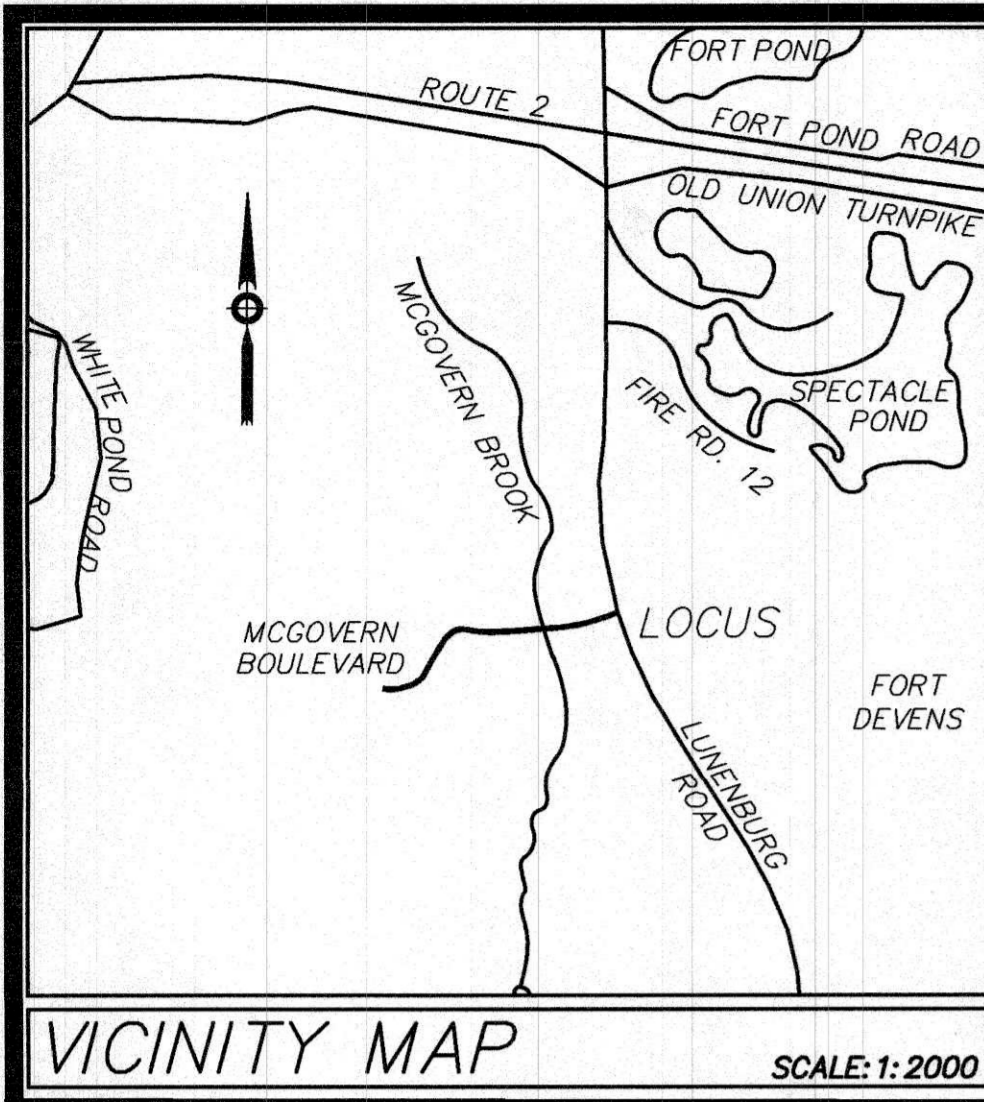
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SITE DEVELOPMENT PLAN
IN
LANCASTER, MASSACHUSETTS

PREPARED FOR:
NORTH LANCASTER, LLC
STEVE BOUCHER
435 LANCASTER STREET
LEOMINSTER, MASSACHUSETTS 01453
TEL: 978-534-0816



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| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2024 |
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| TAB: (7) SDP | SHEET 7 OF 15 | PLAN NO: C-11-1 |



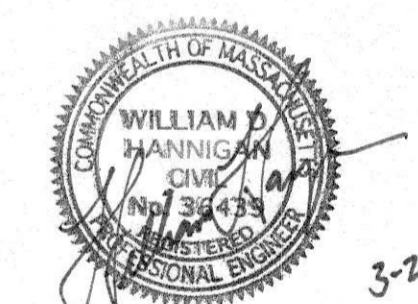
PROJECT INFORMATION

LAND INFORMATION
 MAP/PARCEL: 14/4.D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
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 *E2-A RETAIL SUB DISTRICT

DIMENSIONAL REQUIREMENTS:
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 MINIMUM FRONTAGE: 225 FEET
 MINIMUM SETBACKS:
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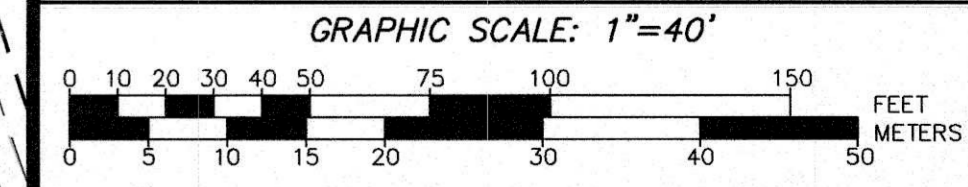
HANNIGAN ENGINEERING, INC.
 CIVIL ENGINEERS & LAND SURVEYORS

8 MONUMENT SQUARE (978) 534-1234 (T)
 LEOMINSTER, MASSACHUSETTS 01453 (978) 534-6060 (F)

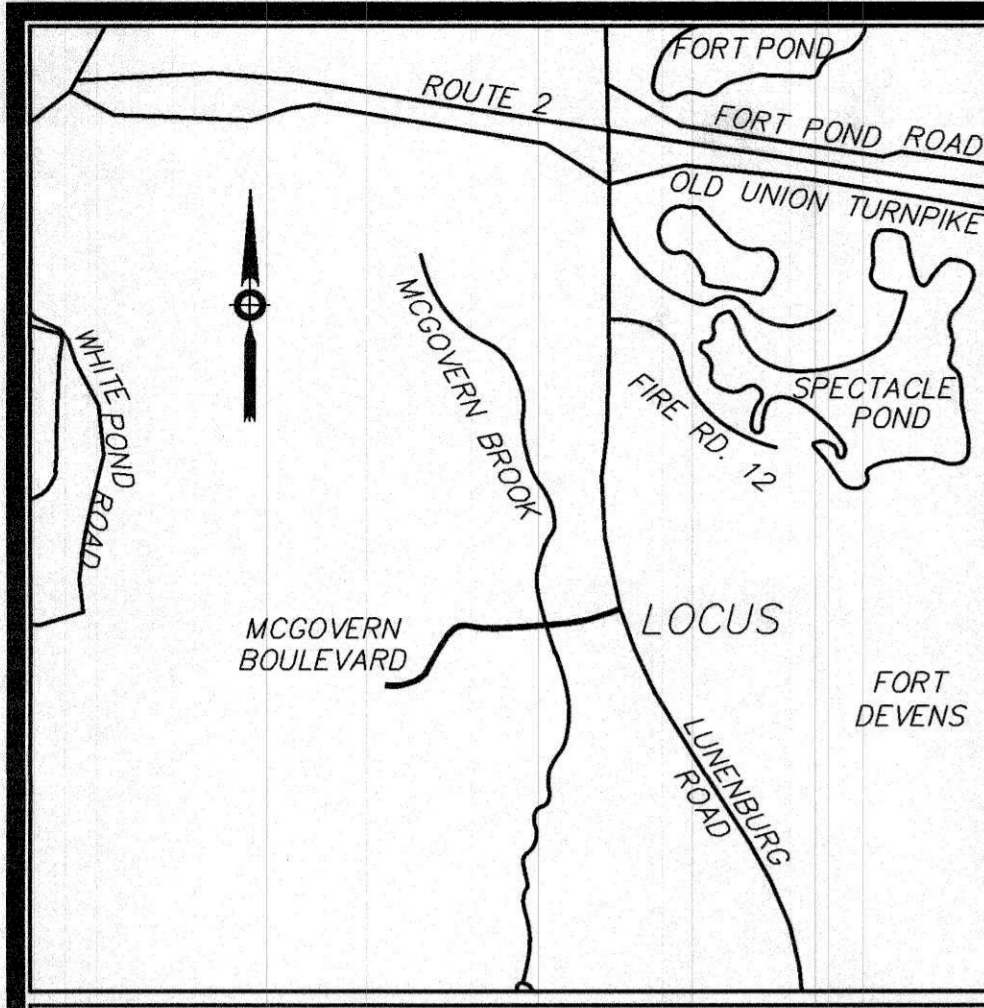
WWW.HANNIGANENGINEERING.COM

**SITE LAYOUT PLAN
 IN
 LANCASTER, MASSACHUSETTS**

PREPARED FOR:
 NORTH LANCASTER, LLC
 STEVE BOUCHER
 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: 978-534-0816



| | | |
|-----------------|---------------|--------------------|
| CALC: CMA/WDH | DRWN: CMA/WDH | SCALE: 1"=40' |
| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2022 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (8) LAYOUT | SHEET 8 OF 15 | PLAN NO: C-11-1 |



VICINITY MAP
SCALE: 1"=2000'

PROJECT INFORMATION

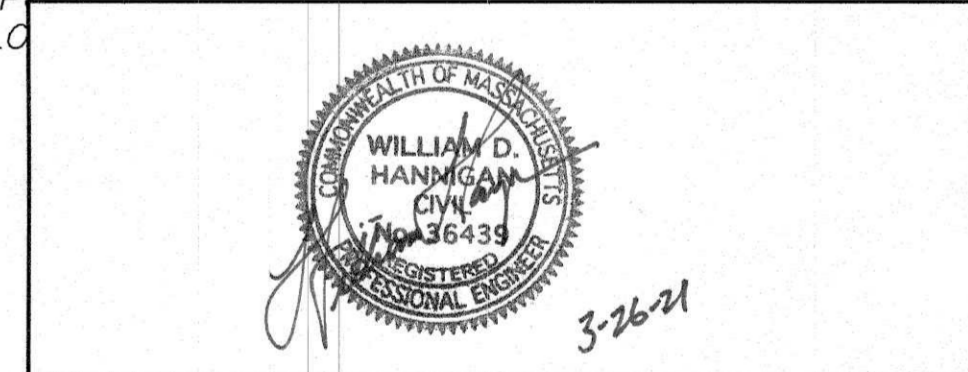
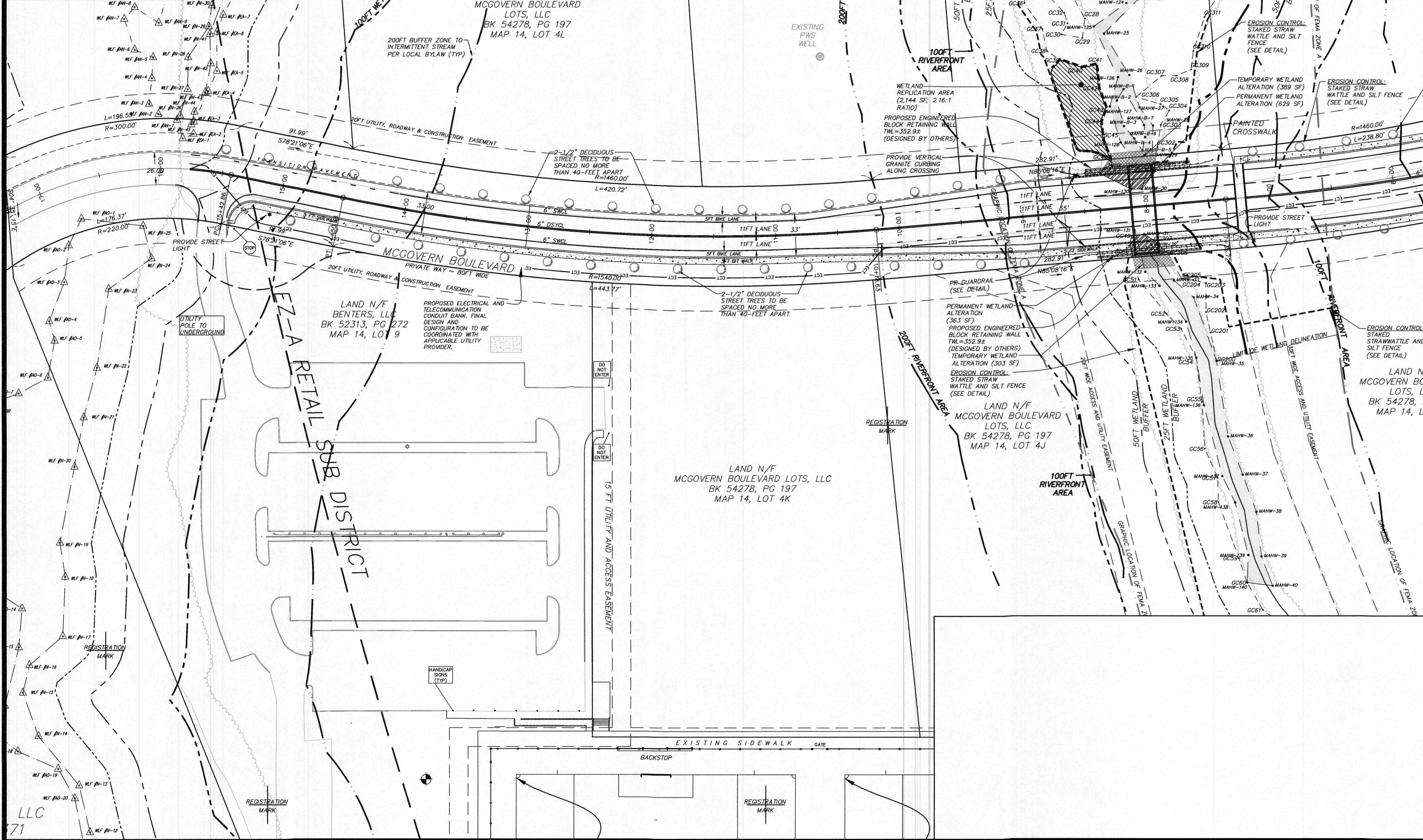
LAND INFORMATION
MAP/PARCEL: 14/A/D
DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
ZONING DISTRICT: ENTERPRISE DISTRICT *
"PROD OVERLAY DISTRICT"
"EZ-A RETAIL SUB DISTRICT"

DIMENSIONAL REQUIREMENTS:
MINIMUM AREA: 64,000 SF
MINIMUM FRONTAGE: 225 FEET
MINIMUM SETBACKS:
FRONT YARD: 40 FT**
SIDE YARD: 30 FT
REAR YARD: 30 FT
**100FT WHEN ABUTTING A RESIDENTIAL DISTRICT

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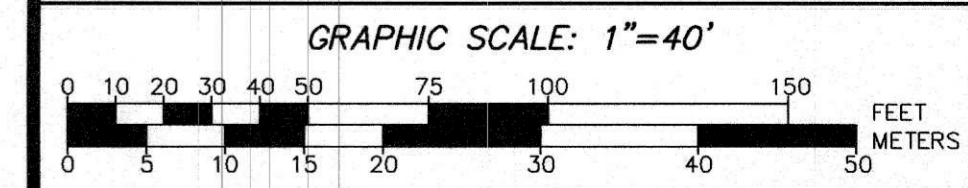


HANNIGAN ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS

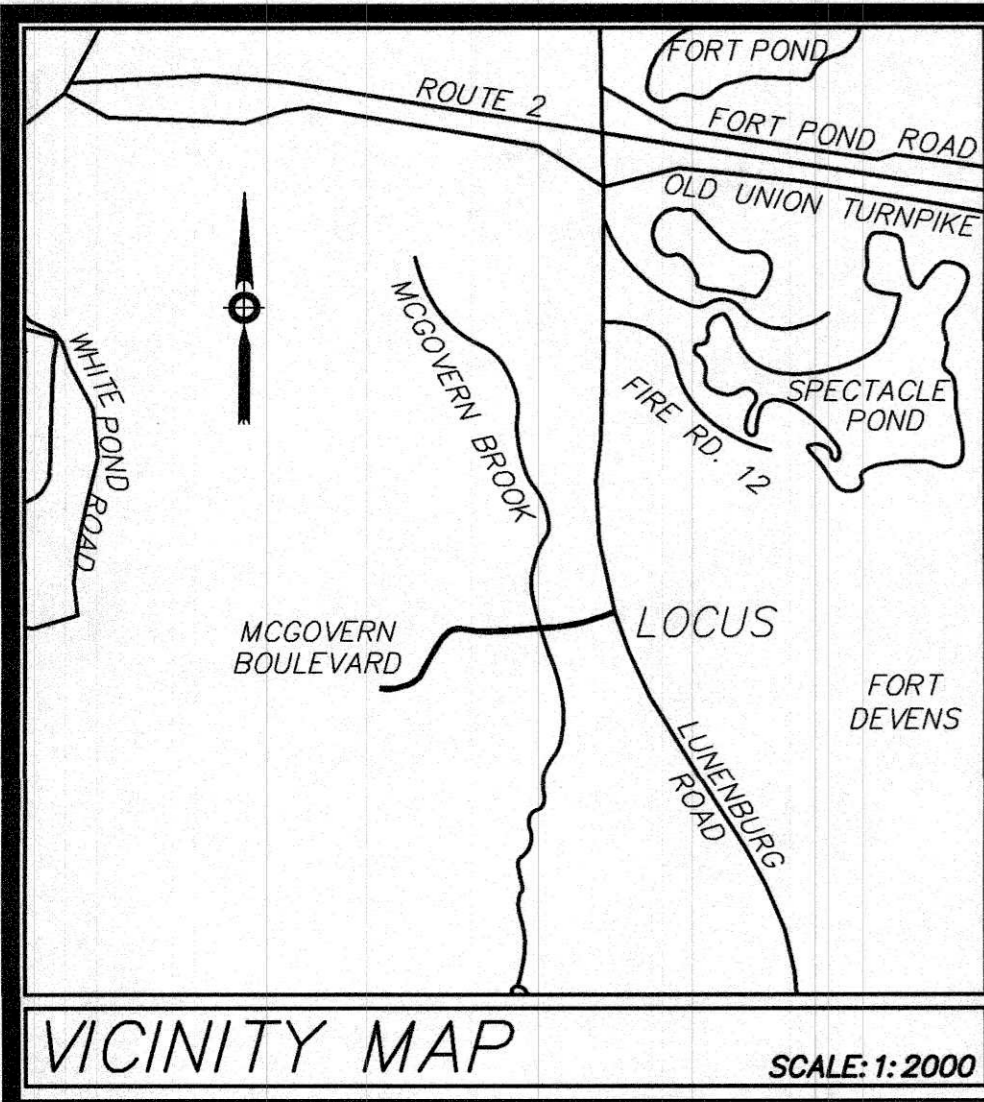
8 MONUMENT SQUARE (978) 534-1234 (T)
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SITE LAYOUT PLAN
IN
LANCASTER, MASSACHUSETTS

PREPARED FOR:
NORTH LANCASTER, LLC
STEVE BOUCHER
435 LANCASTER STREET
LEOMINSTER, MASSACHUSETTS 01453
TEL: 978-534-0816



| | | |
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| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (9) LAYOUT | SHEET 9 OF 15 | PLAN NO: C-11-1 |



STREAM CROSSING CALCULATION
EXISTING CULVERT
 EXISTING WIDTH = 5FT±
 EXISTING LENGTH = 5FT±
 EXISTING HEIGHT = 36FT±
 OPENNESS RATIO = (5'x5') / 36FT
 OPENNESS RATIO = 0.69FT (MIN 0.82FT)

STREAM REVIEW
 STREAM WIDTH VARIES
 7.0- FEET (UPSTREAM)
 15.0- FEET (DOWN STREAM)

MAX STREAM WIDTH = 15 (DOWN STREAM)
 BANK FULL = 1.2 x 15FT = 18FT MIN
MINIMUM REQUIRED WIDTH = 18FT

PROPOSED CULVERT
 PROPOSED WIDTH = 18.0FT
 PROPOSED LENGTH = 72.0FT
 PROPOSED HEIGHT = 4.3FT
 OPENNESS RATIO = (4.3'x18.0') / 72FT
 OPENNESS RATIO = 1.08FT < 0.82FT ✓

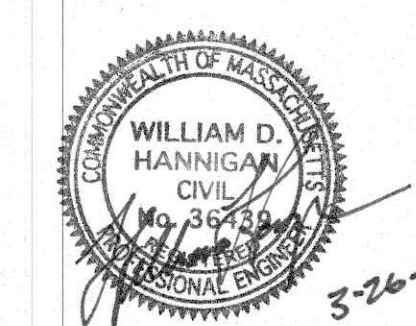
PROJECT INFORMATION

LAND INFORMATION
 MAP/PARCEL: 14/A/D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
 *E2-A RETAIL SUB DISTRICT

DIMENSIONAL REQUIREMENTS:
 MINIMUM AREA: 64,000 SF
 MINIMUM FRONTAGE: 225 FEET
 MINIMUM SETBACKS:
 FRONT YARD: 40 FT**
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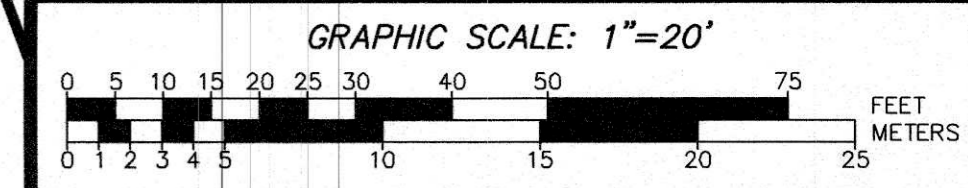
HANNIGAN ENGINEERING, INC.
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8 MONUMENT SQUARE (978) 534-1234 (T)
 LEOMINSTER, MASSACHUSETTS 01453 (978) 534-6060 (F)

WWW.HANNIGANENGINEERING.COM

STREAM CROSSING PLAN IN LANCASTER, MASSACHUSETTS

PREPARED FOR:
 NORTH LANCASTER, LLC
 STEVE BOUCHER
 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: 978-534-0816



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| CALC: CMA/WDH | DRWN: CMA/WDH | SCALE: 1"=20' |
| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (10) CROSS | SHEET 10 OF 15 | PLAN NO: C-11-1 |

LAND N/F
 MCGOVERN BOULEVARD
 LOTS, LLC
 BK 54278, PG 197

LAND N/F
 MCGOVERN BOULEVARD
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 BK 54278, PG 197
 MAP 14, LOT 4I

PROJECT INFORMATION

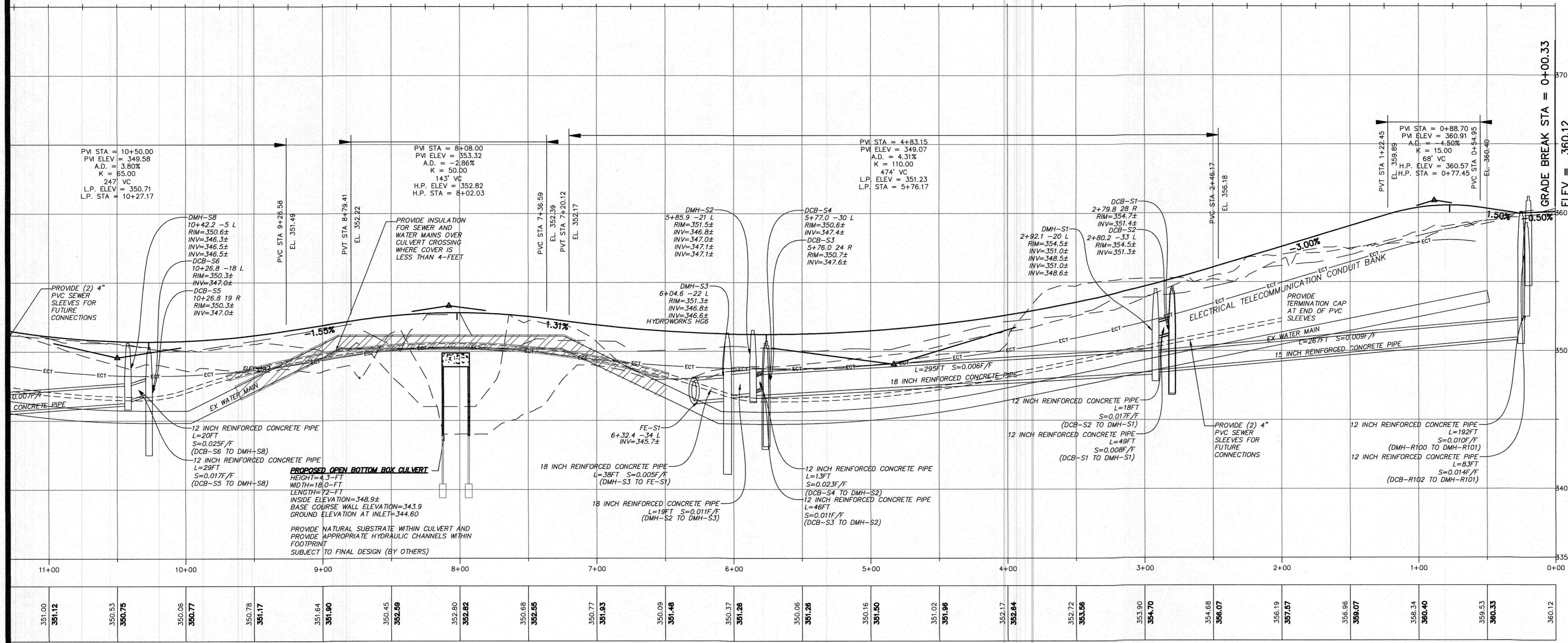
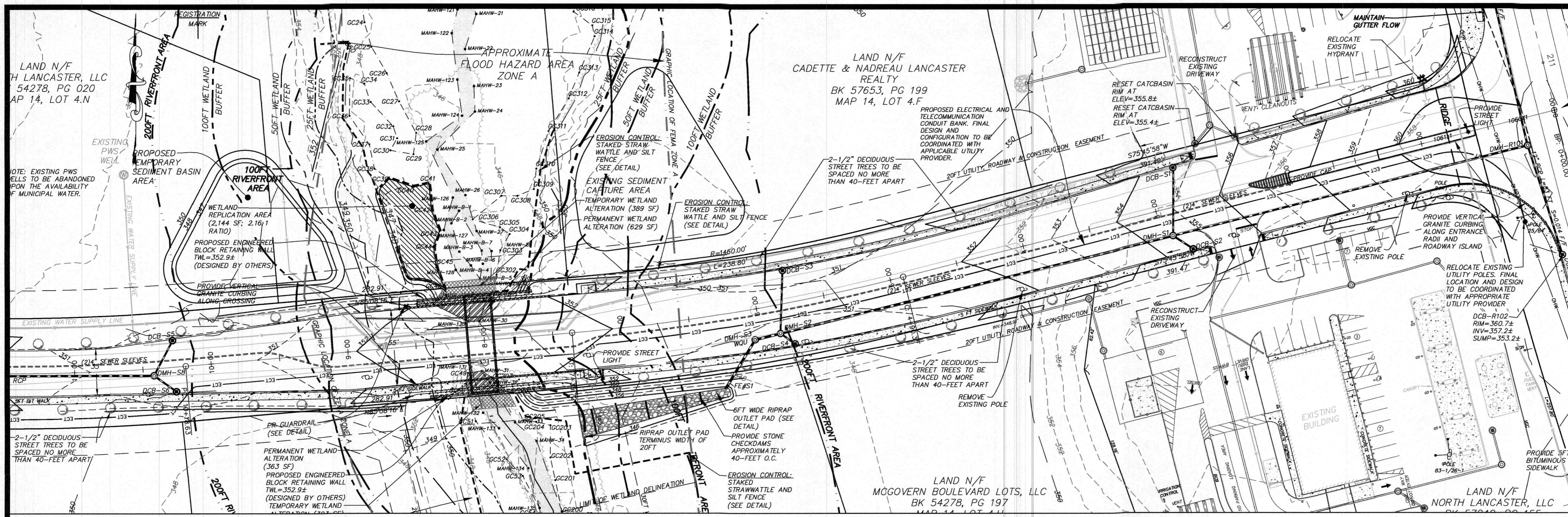
LAND INFORMATION
 MAP/PARCEL: 14/4.0
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
 HAZARD OVERLAY: "E2-A RETAIL SUB DISTRICT"

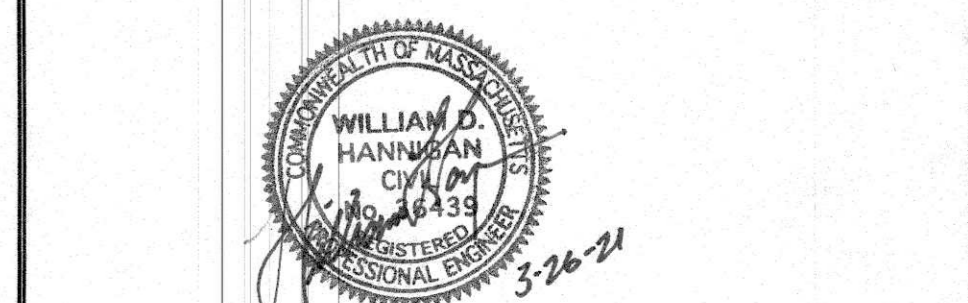
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McGOVERN BOULEVARD PHASE II ROADWAY PROFILE
 HORIZONTAL SCALE: 1: 40
 VERTICAL SCALE: 1: 4



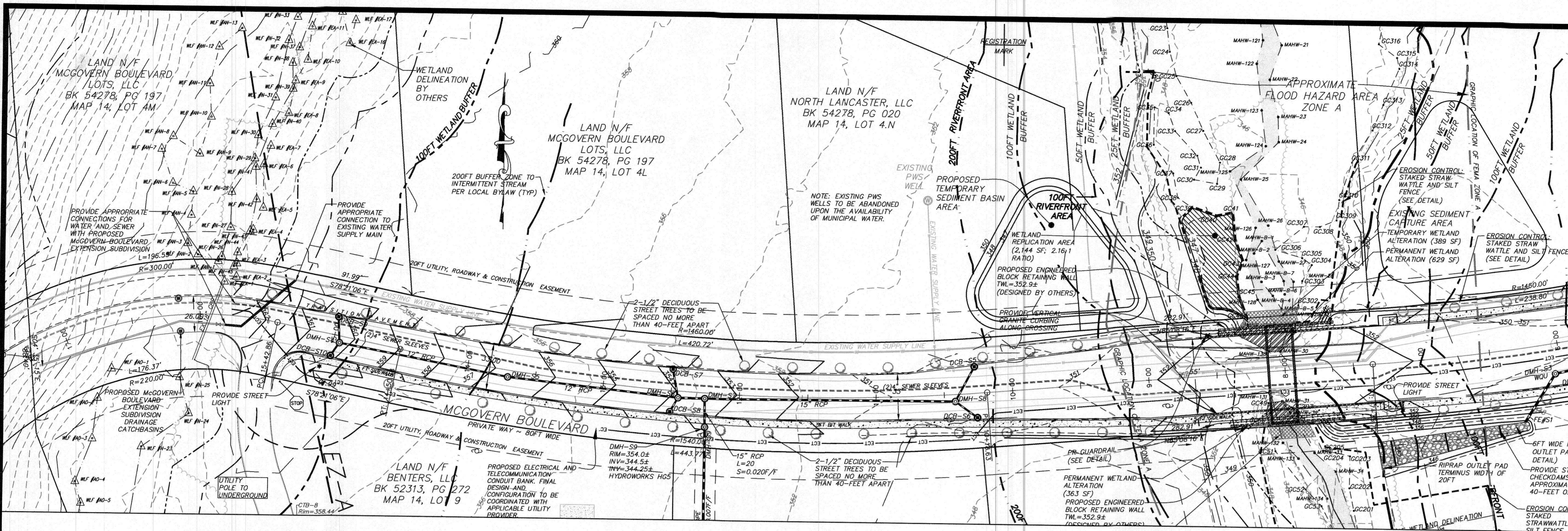
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ROADWAY PROFILE
 IN
LANCASTER, MASSACHUSETTS

PREPARED FOR:
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 LEOMINSTER, MASSACHUSETTS 01453
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| TAB: (11) PROF | SHEET 11 OF 15 | PLAN NO: C-11-1 |



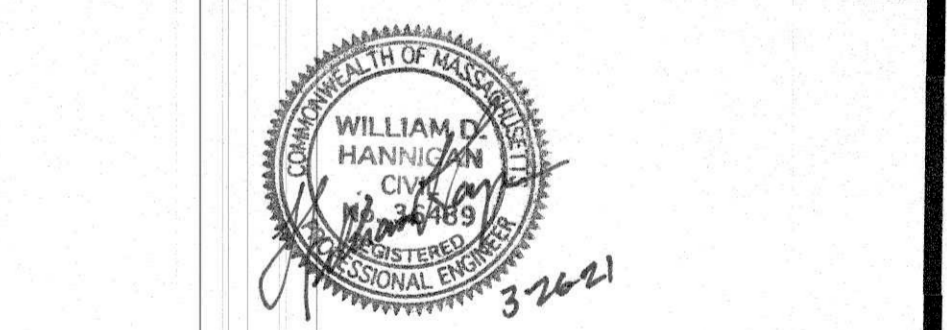
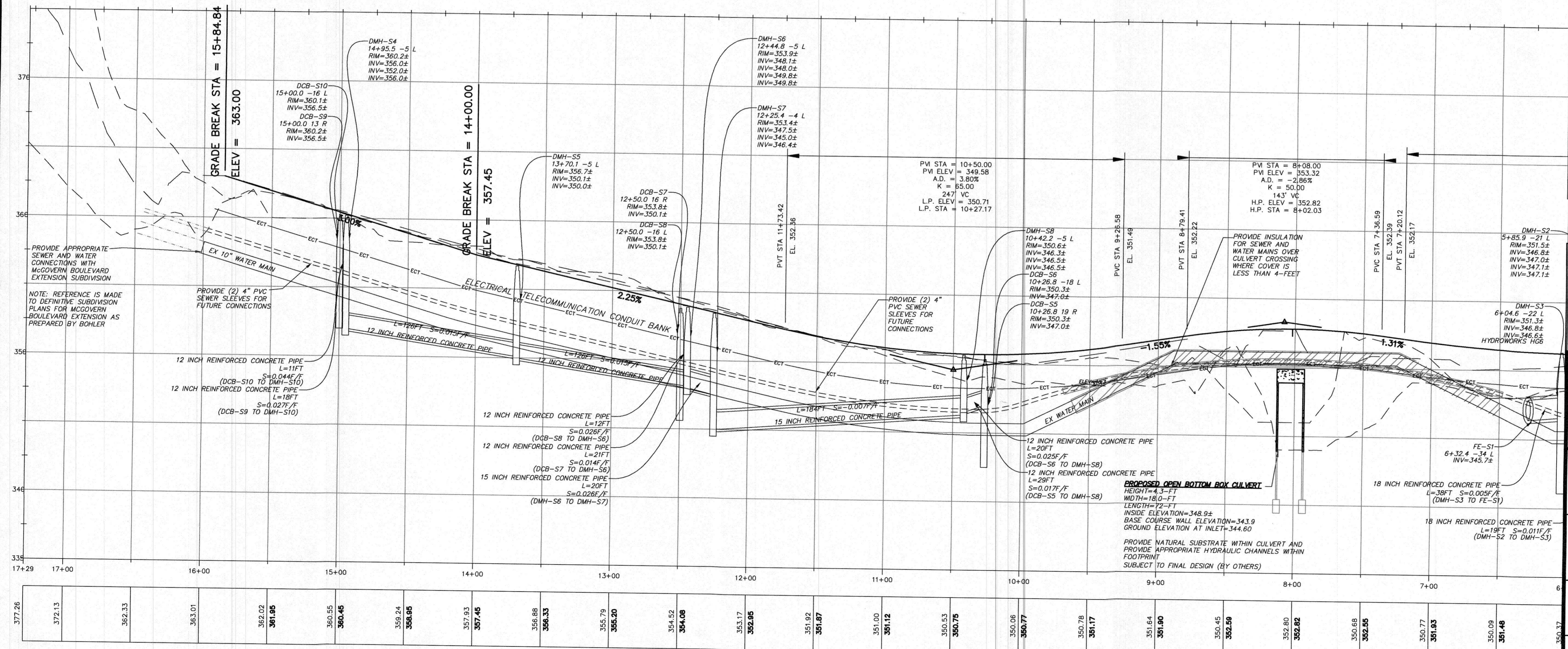
PROJECT INFORMATION

LAND INFORMATION
 MAP/PARCEL: 14/A.D
 DEED BOOK/PAGE: 52227/354

ZONING INFORMATION
 ZONING DISTRICT: ENTERPRISE DISTRICT *
 *POD OVERLAY DISTRICT
 *E2-A RETAIL SUB DISTRICT

DIMENSIONAL REQUIREMENTS:
 MINIMUM AREA: 64,000 SF
 MINIMUM FRONTAGE: 225 FEET
 MINIMUM SETBACKS:
 FRONT YARD: 40 FT**
 SIDE YARD: 30 FT
 REAR YARD: 30 FT
 **100FT WHEN ABUTTING A RESIDENTIAL DISTRICT

- GENERAL NOTES:**
- PROPERTY LINE INFORMATION BASED ON AN ON-THE-GROUND SURVEY BY HANNIGAN ENGINEERING, INC. IN JULY OF 2013. TOPOGRAPHIC INFORMATION IS THE RESULT OF AN AERIAL TOPOGRAPHIC SURVEY PERFORMED BY MOUNTAIN MAPPING IN OCTOBER OF 2009 NAVD83 DATUM. ADDITIONAL FIELD SURVEY HAS BEEN PERFORMED TO VERIFY AND ADJUST TOPOGRAPHIC FEATURES AS NEEDED BY THIS OFFICE THROUGH NOVEMBER OF 2020.
 - AREAS SUBJECT TO PROTECTION UNDER THE WETLANDS PROTECTION ACT HAVE BEEN DELINEATED BY GODDARD CONSULTING, LLC IN OCTOBER OF 2020. THESE AREAS ARE DEPICTED ON THE PLANS BASED ON FIELD SURVEY LOCATION DURING THE TOPOGRAPHIC SURVEY.
 - LOCATION OF ALL UTILITIES ARE APPROXIMATE AS SHOWN AND BASED UPON VISIBLE STRUCTURES AT THE TIME OF THE FIELD SURVEY. LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES, WHETHER OR NOT SHOWN ON THESE PLANS SHALL BE DETERMINED BY THE CONTRACTOR. MARKED IN THE FIELD AND REVIEWED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE AWARE OF THE OBLIGATION TO ALL UTILITY COMPANIES AND AGENCY AS WELL AS DIG-SAFE PRIOR TO EXCAVATION (SEE NOTE).
 - NOTIFICATION REQUIREMENTS SHOWN ON THIS PLAN SHALL NOT RELIEVE THE CONTRACTOR OF ANY OTHER REQUIREMENTS WHICH MAY EXIST UNDER LOCAL, STATE, OR FEDERAL JURISDICTION TO WHICH THE CONTRACTOR IS OBLIGATED.
 - RELOCATION OF AND/OR CONNECTION TO EXISTING UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY.
 - UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF THE TOWN OF LANCASTER AND THE MASS DOT SPECIFICATIONS OF HIGHWAYS AND BRIDGES.
 - ALL SLOPES UNLESS OTHERWISE SPECIFIED, SHALL BE LOADED AND SEEDED FOR STABILIZATION.
 - ANY DEVIATIONS IN DESIGN AS SHOWN SHALL REQUIRE A REVIEW AND APPROVAL OF THE DESIGN ENGINEER OR FIRM. CHANGES MADE IN THE FIELD MADE WITHOUT AUTHORIZATION SHALL BE SUBJECT TO REVIEW BY THE ENGINEER AND APPROPRIATE APPROVING AUTHORITY. EXPENSES INCURRED TO BRING THE UNAUTHORIZED CHANGES TO ACCEPTABLE CONFORMANCE SHALL BE BORNE BY THE COMPANY OR CONTRACTOR MAKING THE UNAUTHORIZED CHANGE.
 - ANY MATERIALS DISCOVERED ON-SITE WHICH ARE NOT SUITABLE FOR USE IN THE PROJECT AS SHOWN ON THIS PLAN SHALL BE REMOVED AND HAULED OFF-SITE TO AN APPROPRIATELY LICENSED FACILITY.
 - PLANS TO BE REVIEWED BY APPLICABLE UTILITY AGENCIES FOR COMPLIANCE WITH REGULATIONS. FINAL LOCATION IS SUBJECT TO CHANGE.
 - APPLICANT SHOULD BE AWARE OF OBLIGATIONS TO COMPLY WITH CHAPTER 131, SECTION 40 OF THE MASSACHUSETTS GENERAL LAWS, OTHERWISE KNOWN AS THE WETLANDS PROTECTION ACT, AND THE ASSOCIATED REGULATIONS (310 CMR 10.00).
 - STOCKPILING OF MATERIAL SHALL NOT BE PERMITTED WITHIN ANY AREAS SUBJECT TO PROTECTION UNDER THE WETLANDS PROTECTION ACT WITHOUT PRIOR APPROVAL BY THE LOCAL CONSERVATION COMMISSION. STOCKPILES SHALL BE PLACED IN A SUITABLE LOCATION AND SURROUNDED BY A ROW OF STAKED HAY BALES FOR EROSION CONTROL.
 - AREAS OF FILL TO BE COMPACTED TO A MINIMUM 95% DRY DENSITY IN AREAS WITHIN ROADWAYS AND UTILITY EASEMENTS. OTHER AREAS OF FILL TO BE COMPACTED TO A MINIMUM 90% DRY DENSITY. ALL FILL MATERIALS ARE TO BE CLEAN FILL, FREE OF DELETERIOUS MATERIALS AND DEBRIS.
 - ALL SIDEWALKS AND RAMPS TO CONFORM TO REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA), AS REQUIRED. SEE ARCHITECTURAL PLANS FOR PERFORMANCE REQUIREMENTS FOR PROPOSED BUILDINGS.
 - THE AREA PROPOSED FOR DEVELOPMENT IS WITHIN A 100 YEAR FLOOD PLAIN PER F.E.M.A. FIRM PANEL #25027-C0289E, DATED: JULY 4, 2011. COMPLIANCE WITH APPLICABLE REGULATIONS IS REQUIRED.
 - ALL REINFORCED CONCRETE PIPE TO BE CLASS II UNLESS OTHERWISE NOTED.
 - PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - ALL UTILITIES ARE TO BE INSTALLED BY A LICENSED UTILITY CONTRACTOR LICENSED BY THE TOWN OF LANCASTER.

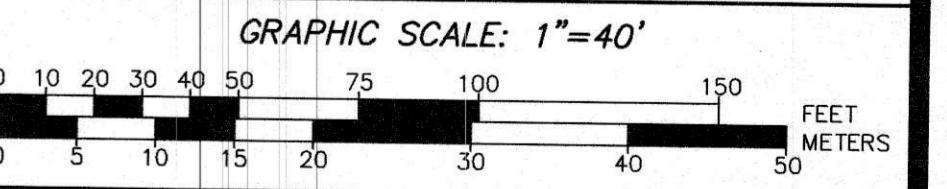


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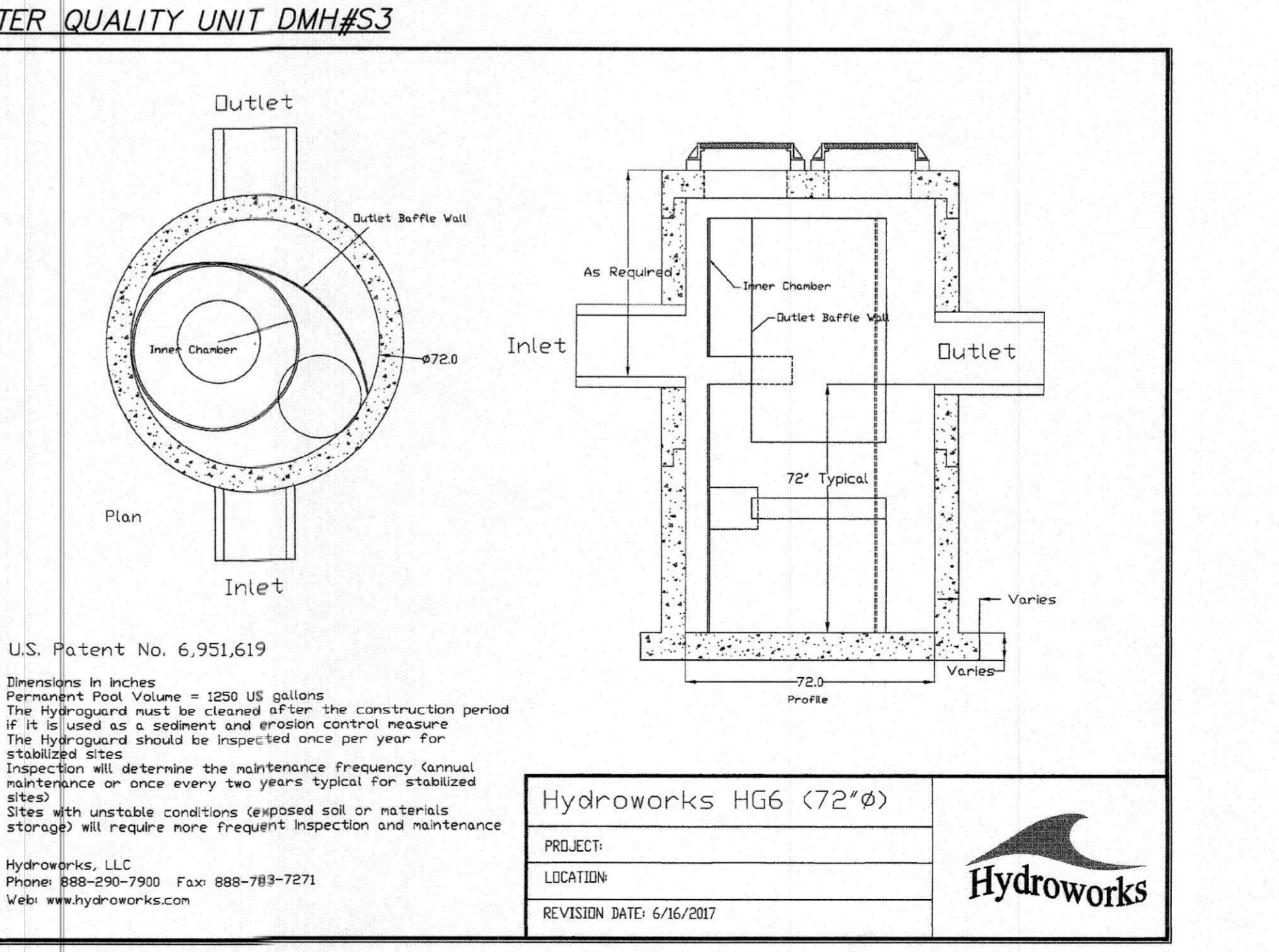
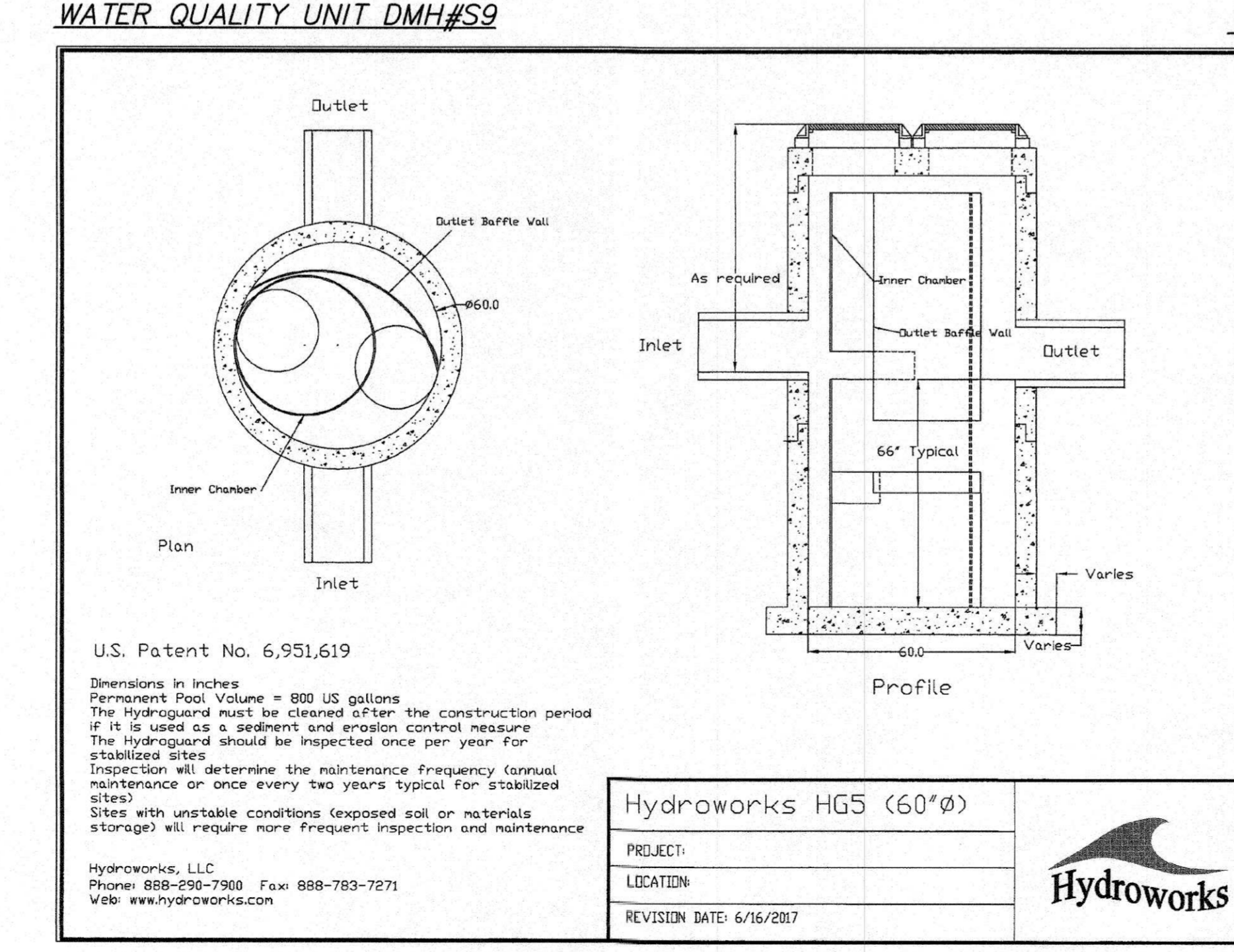
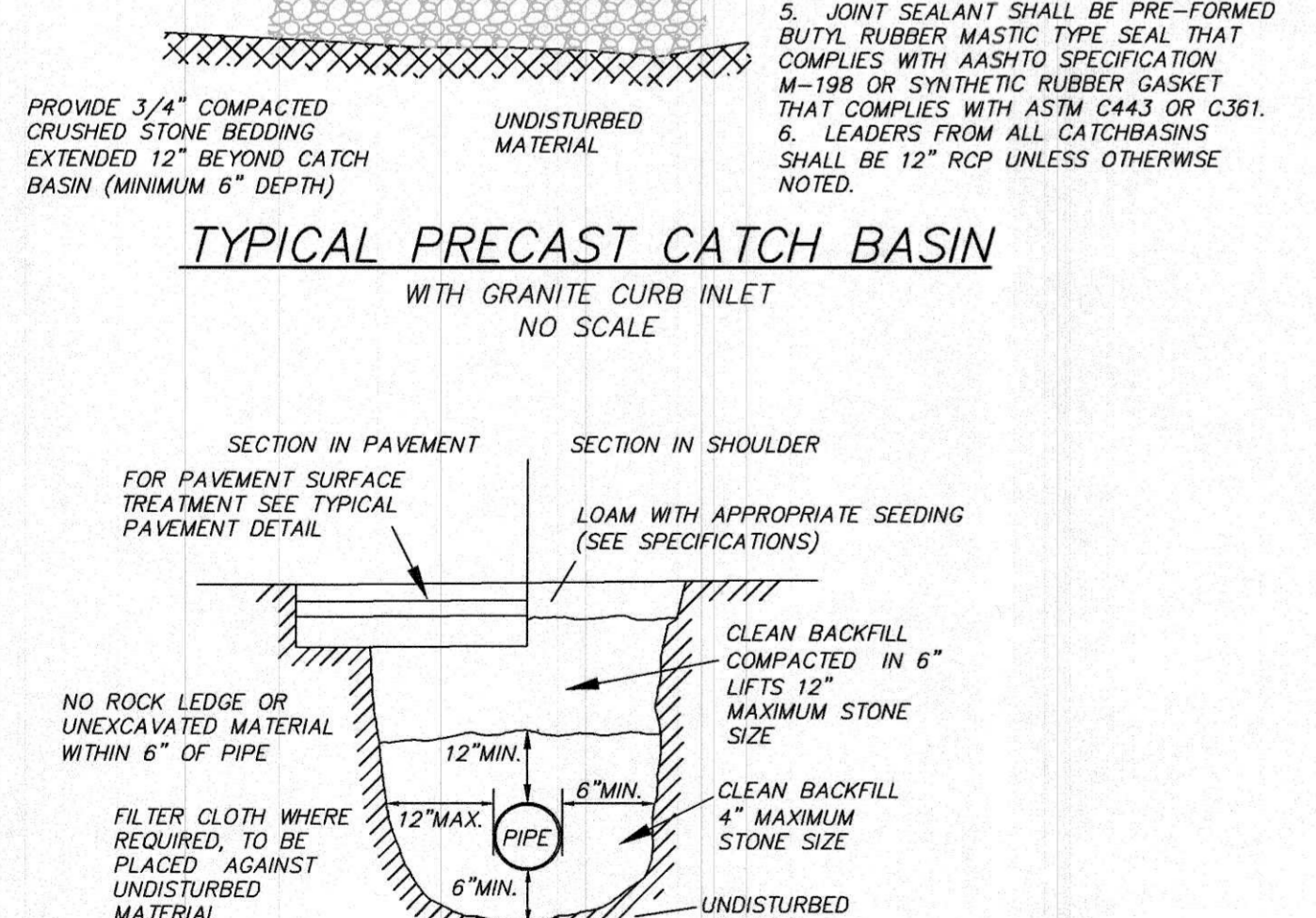
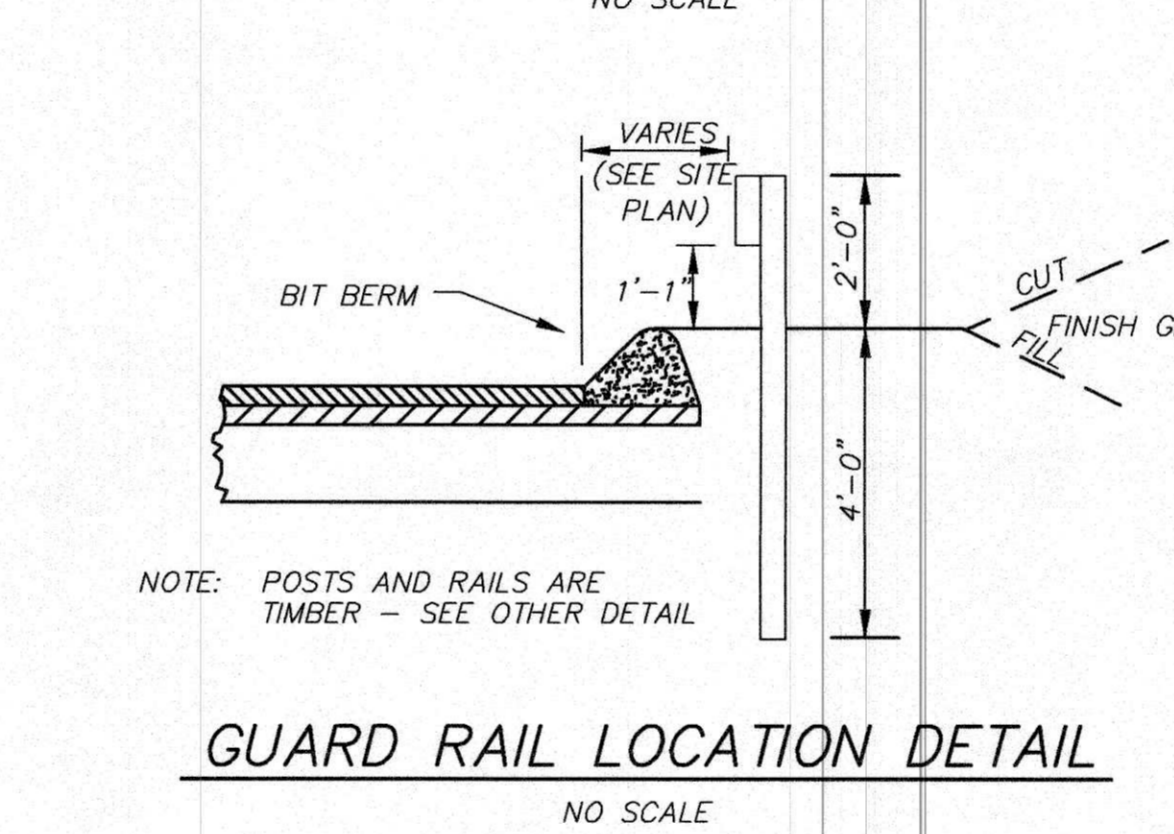
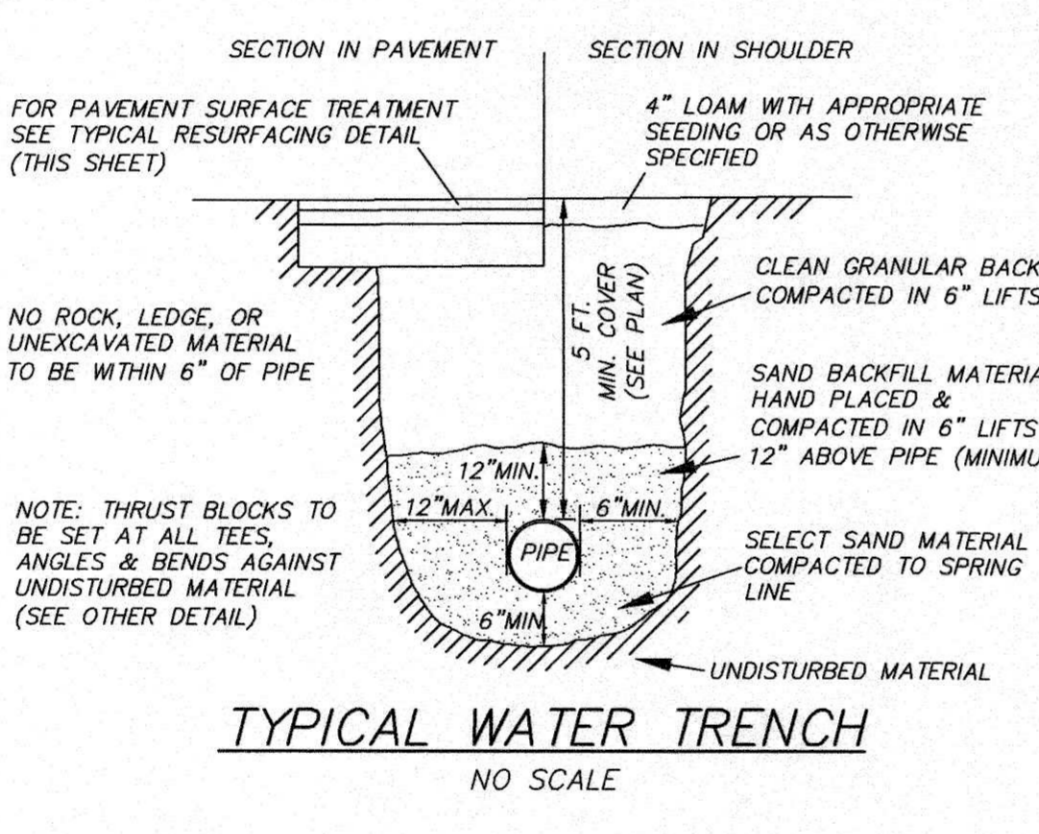
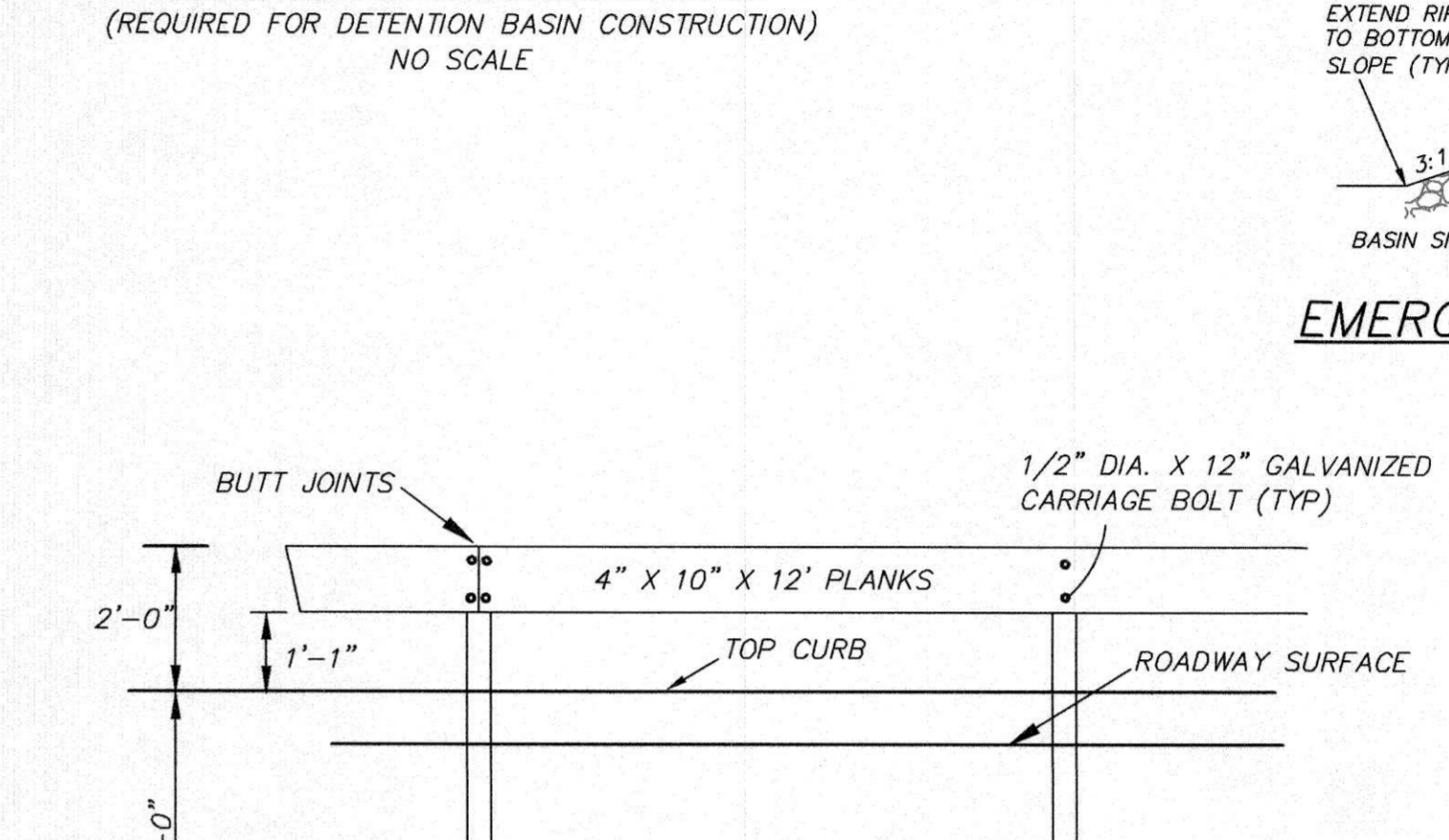
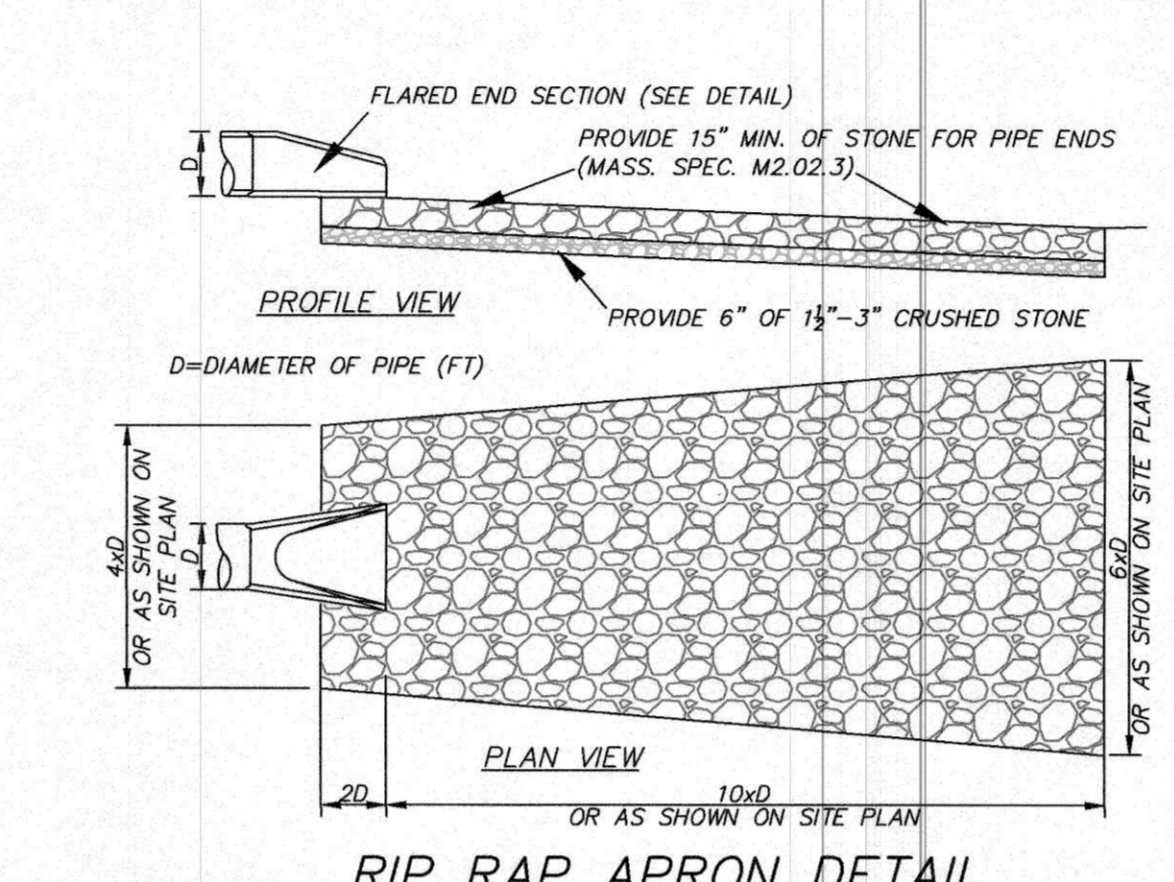
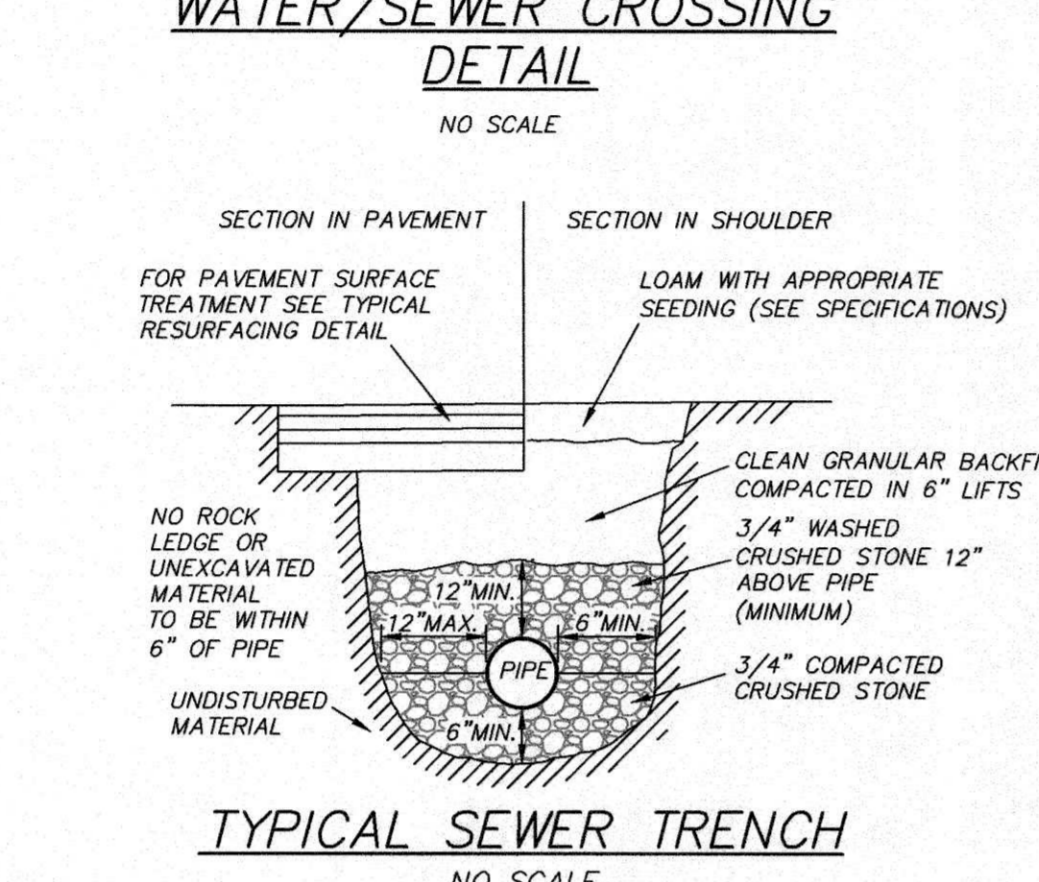
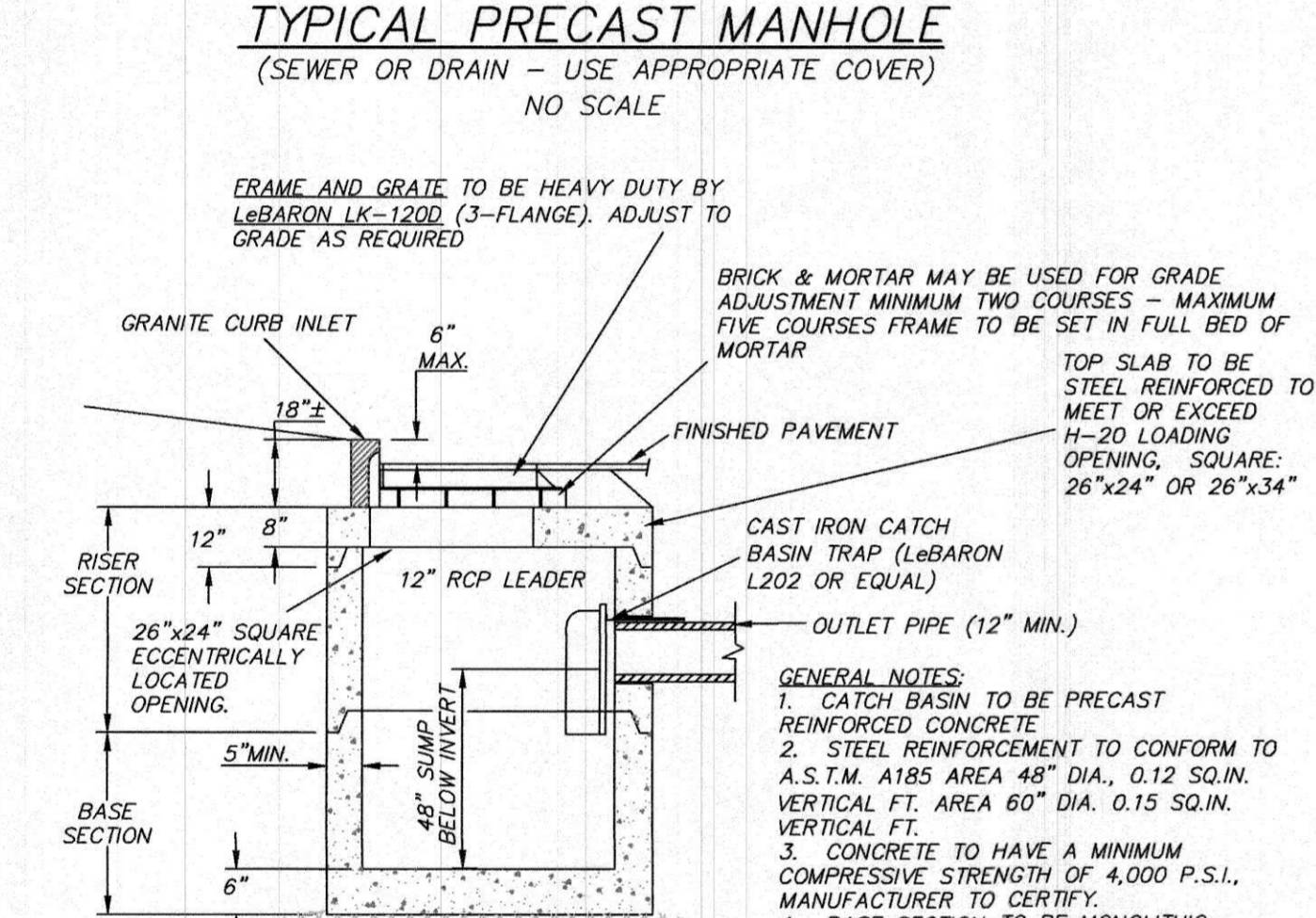
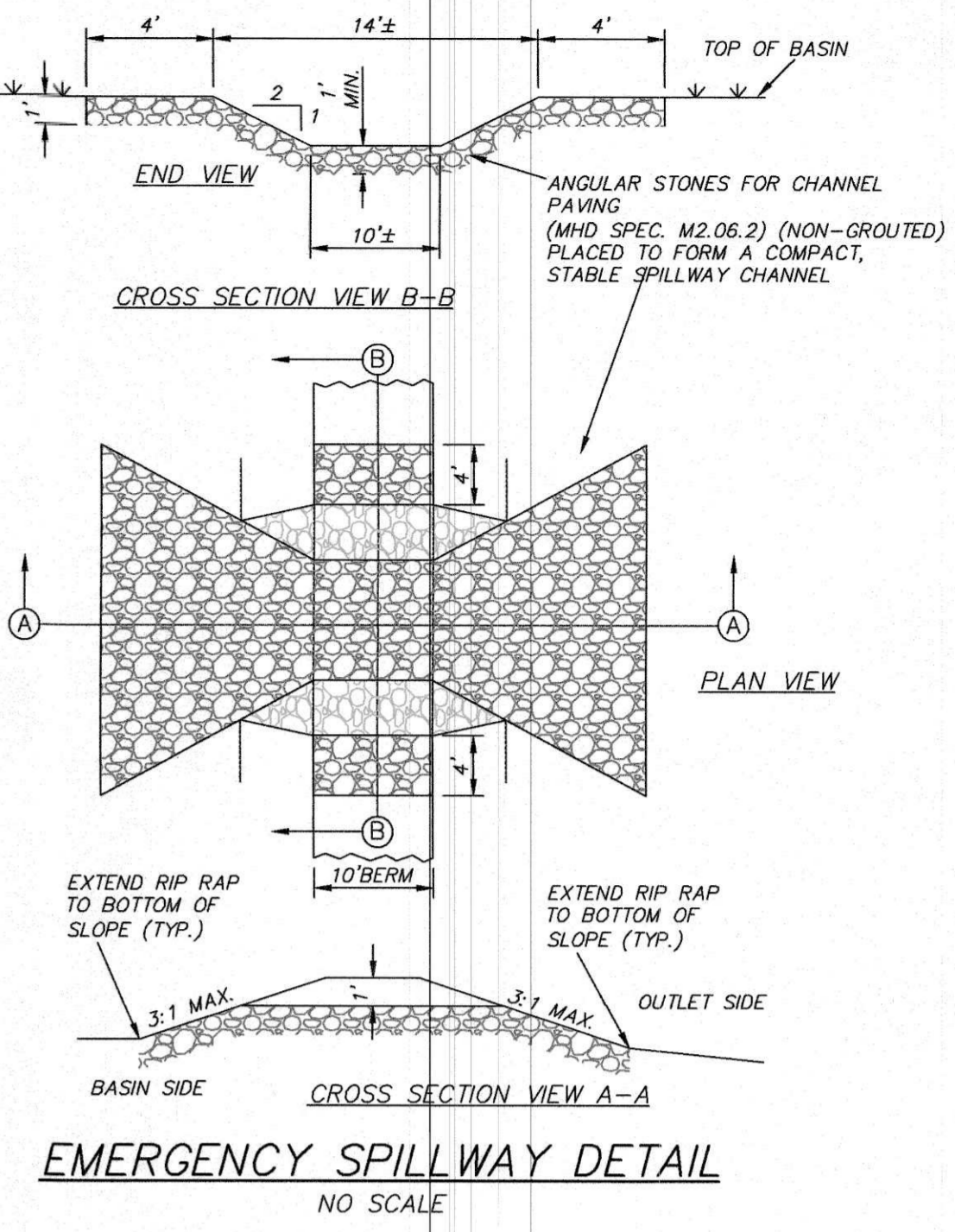
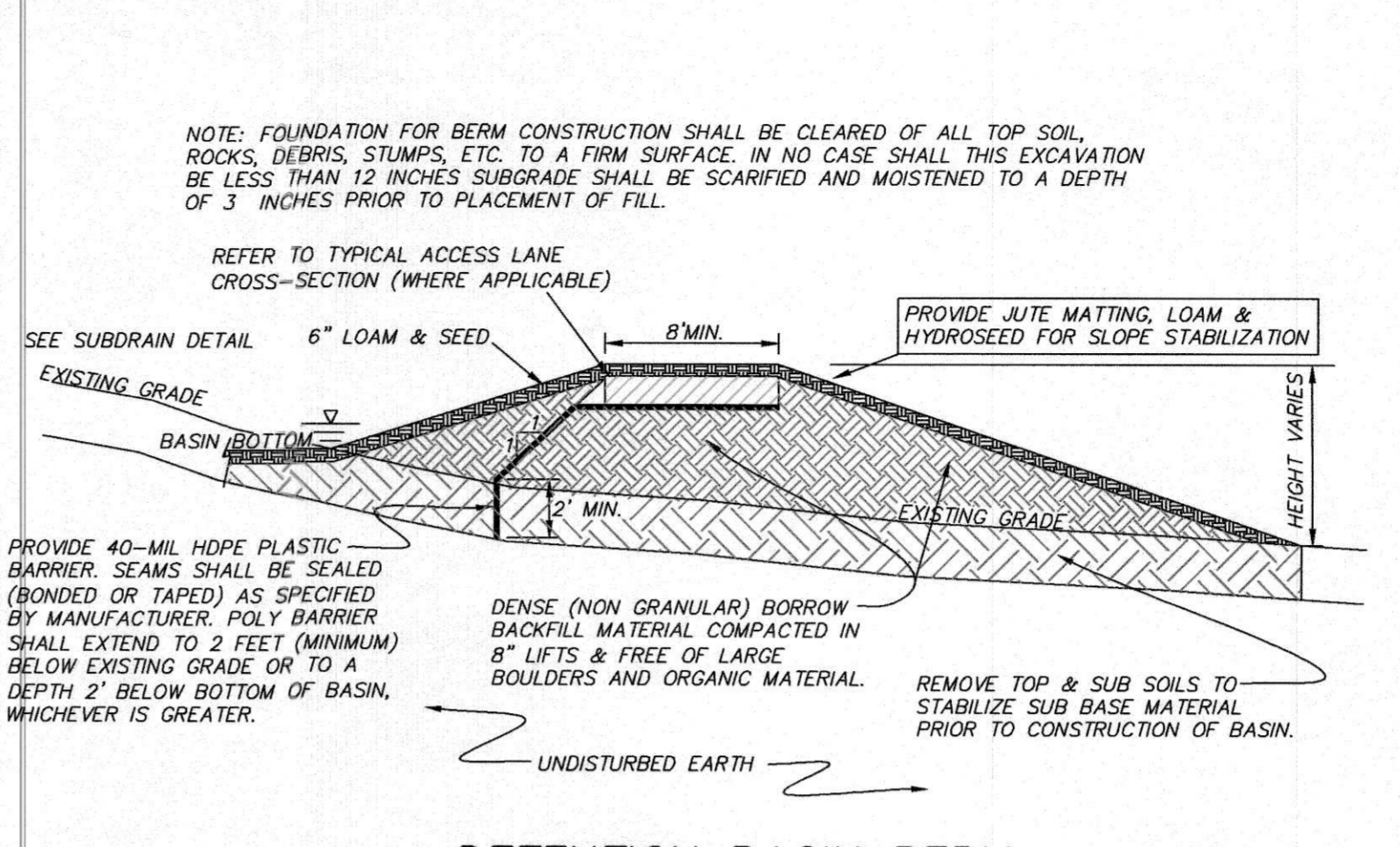
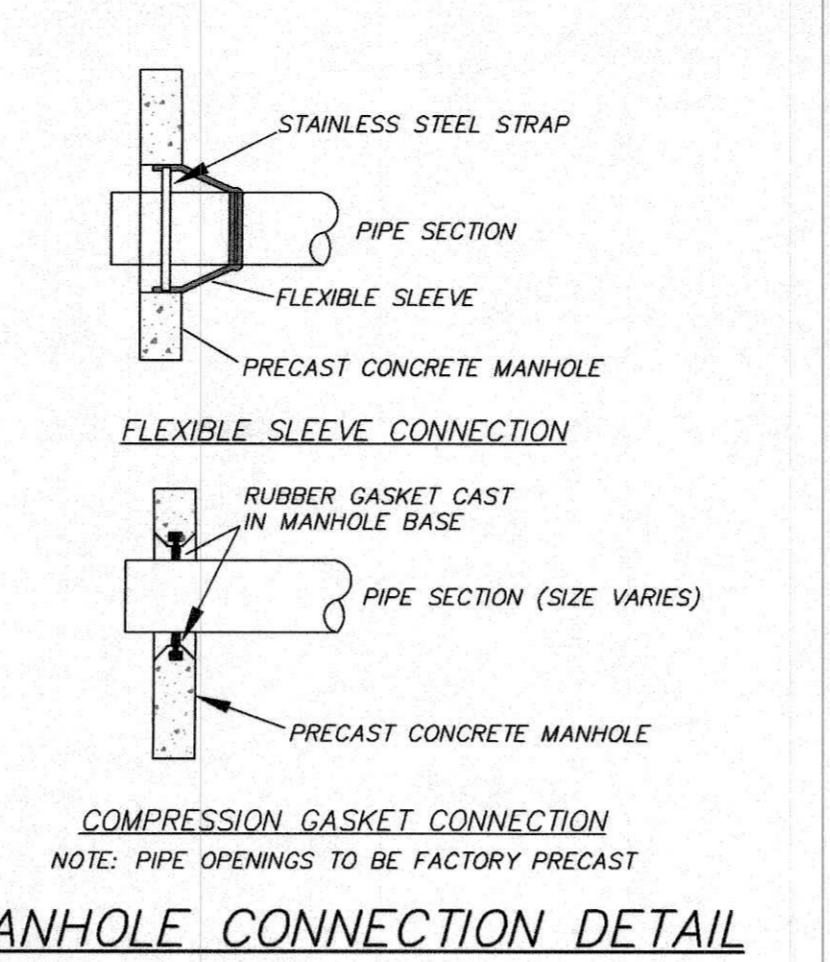
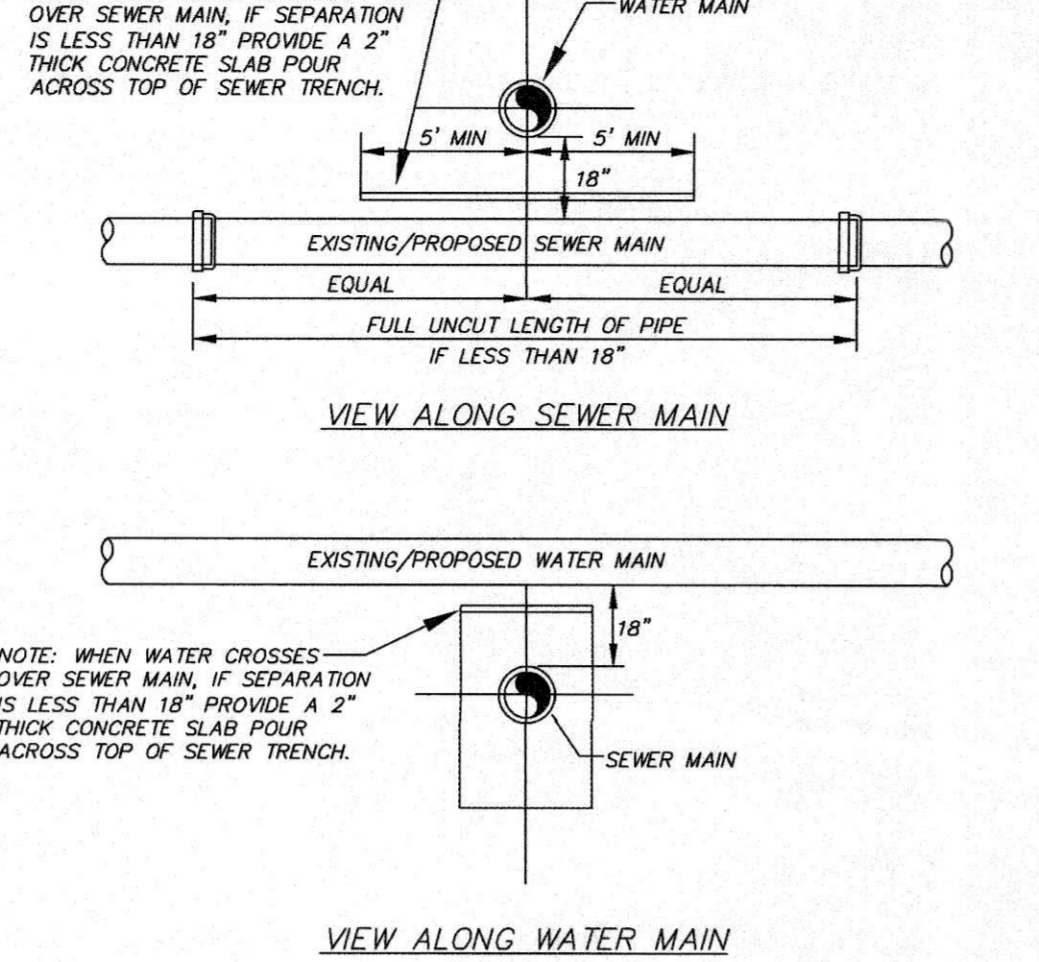
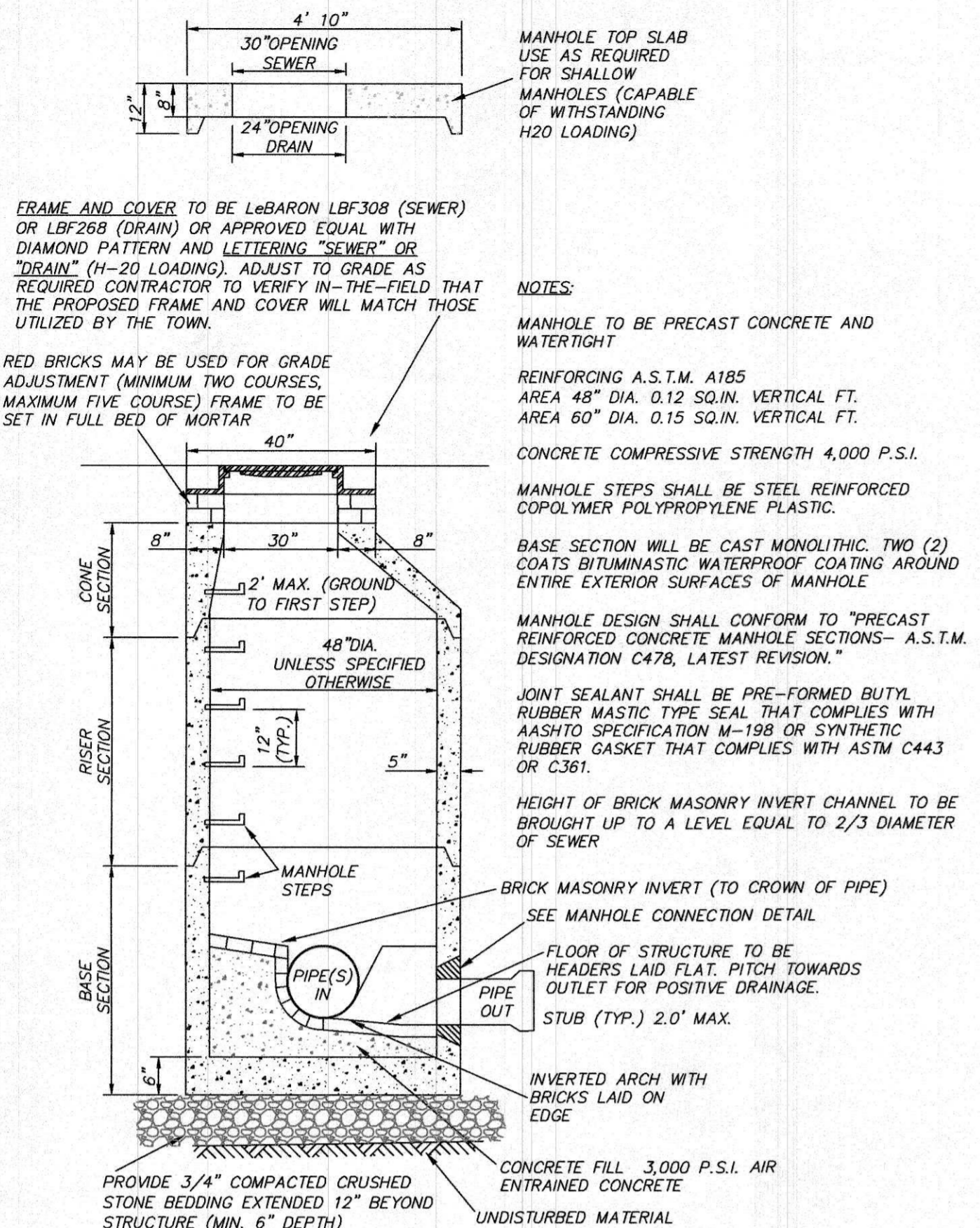
ROADWAY PROFILE
 IN
LANCASTER, MASSACHUSETTS

PREPARED FOR:
 NORTH LANCASTER, LLC
 STEVE BOUCHER
 435 LANCASTER STREET
 LEOMINSTER, MASSACHUSETTS 01453
 TEL: 978-534-0816



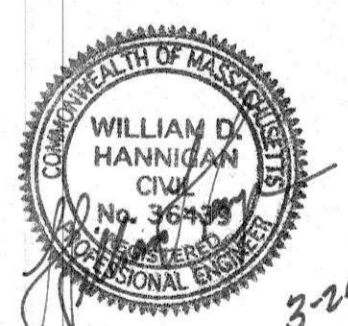
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| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (12) PROF | SHEET 12 OF 15 | PLAN NO: C-11-1 |

McGOVERN BOULEVARD PHASE II ROADWAY PROFILE
 HORIZONTAL SCALE: 1:40
 VERTICAL SCALE: 1:4



| | | |
|-----------------------|-----------|--|
| Hydroworks HG5 (60"φ) | | |
| PROJECT: | | |
| LOCATION: | | |
| REVISION DATE: | 6/16/2017 | |

| | | |
|-----------------------|-----------|--|
| Hydroworks HG6 (72"φ) | | |
| PROJECT: | | |
| LOCATION: | | |
| REVISION DATE: | 6/16/2017 | |



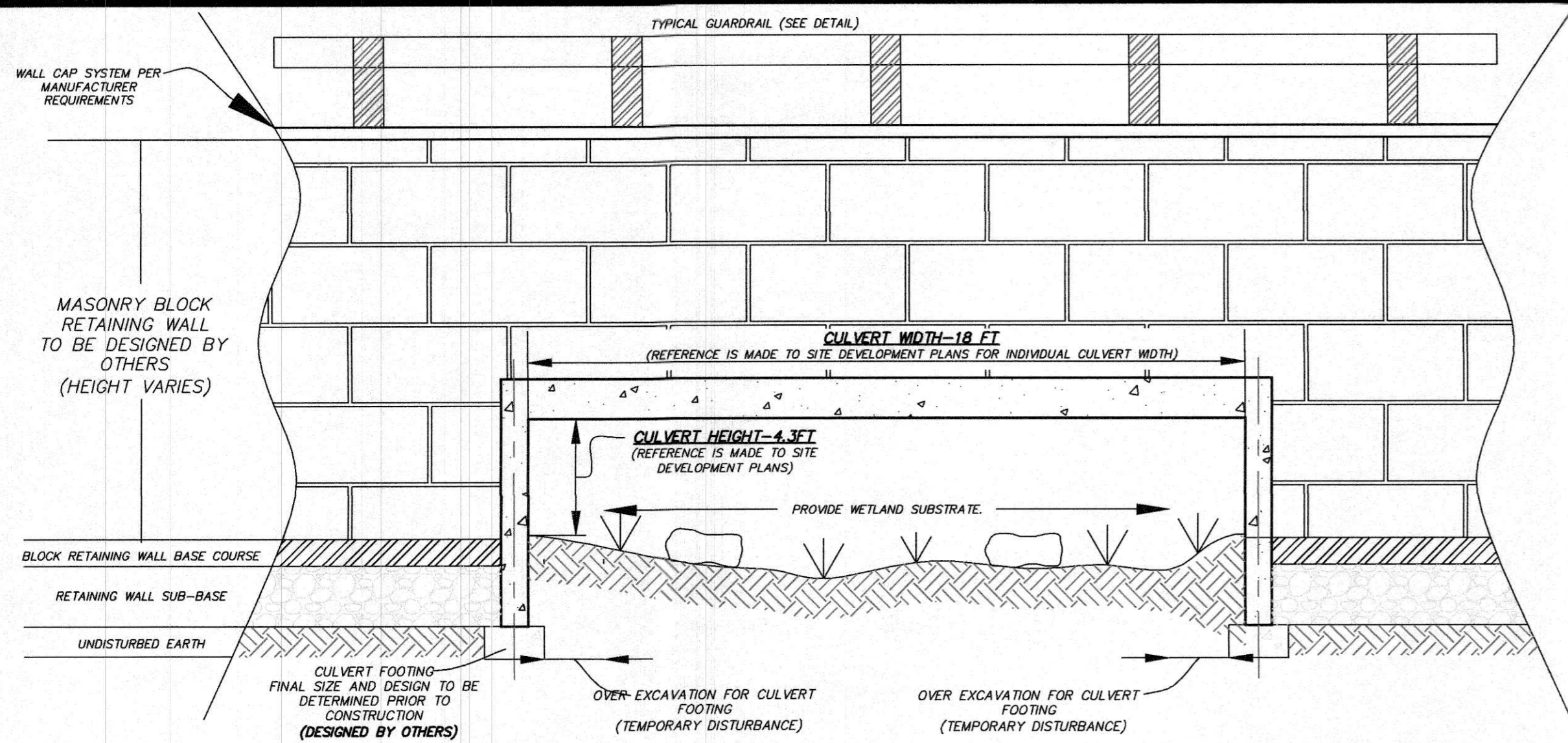
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CONSTRUCTION DETAILS
IN
LANCASTER, MASSACHUSETTS

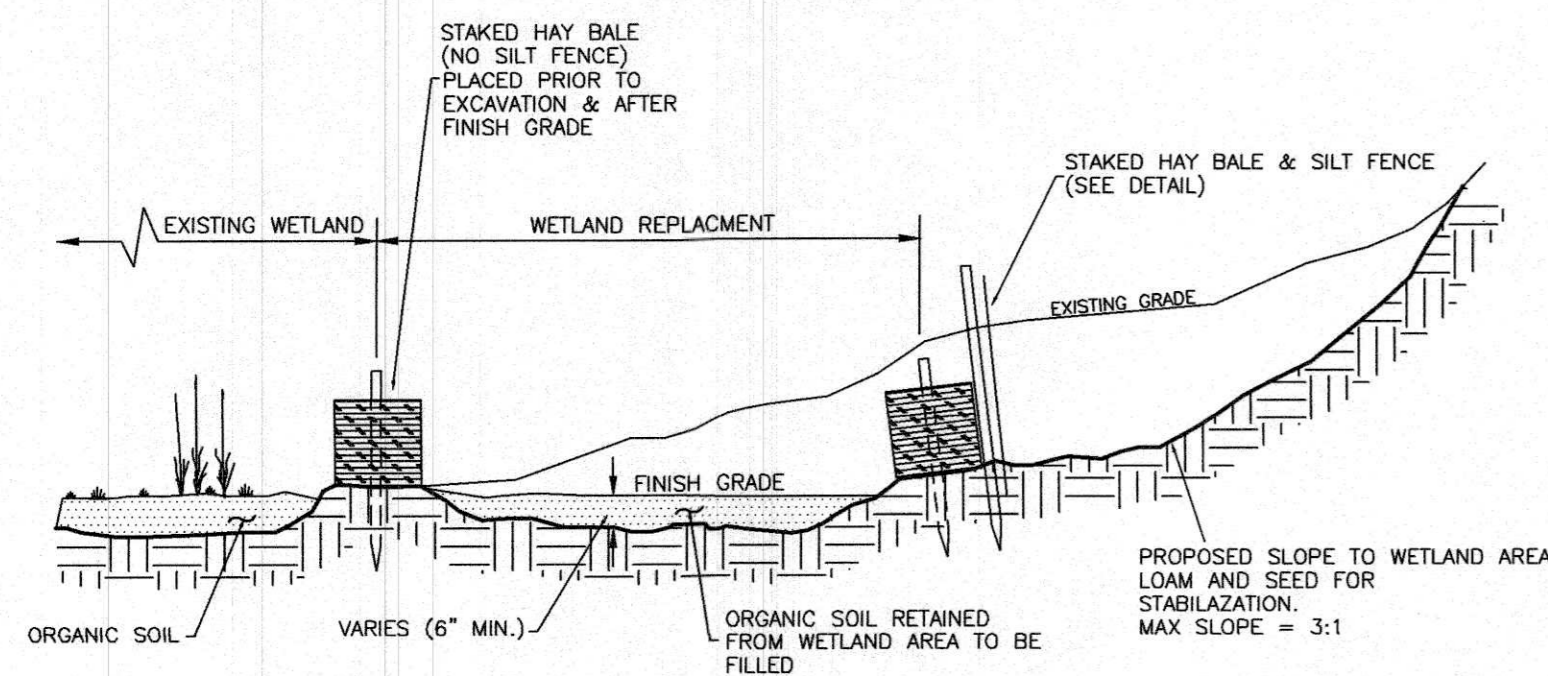
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NORTH LANCASTER, LLC
STEVE BOUCHER
435 LANCASTER STREET
LEOMINSTER, MASSACHUSETTS 01453
TEL: 978-534-0816

| | | |
|---------------|----------------|--------------------|
| CALC: CMA/WDH | DRWN: CMA/WDH | SCALE: NA |
| CHKD: WDH | APPD: WDH | DATE: MAR 26, 2021 |
| SRV: JEF | FB: FILES | JOB NO: 2226 |
| TAB: (13)DET | SHEET 14 OF 15 | PLAN NO: C-11-1 |

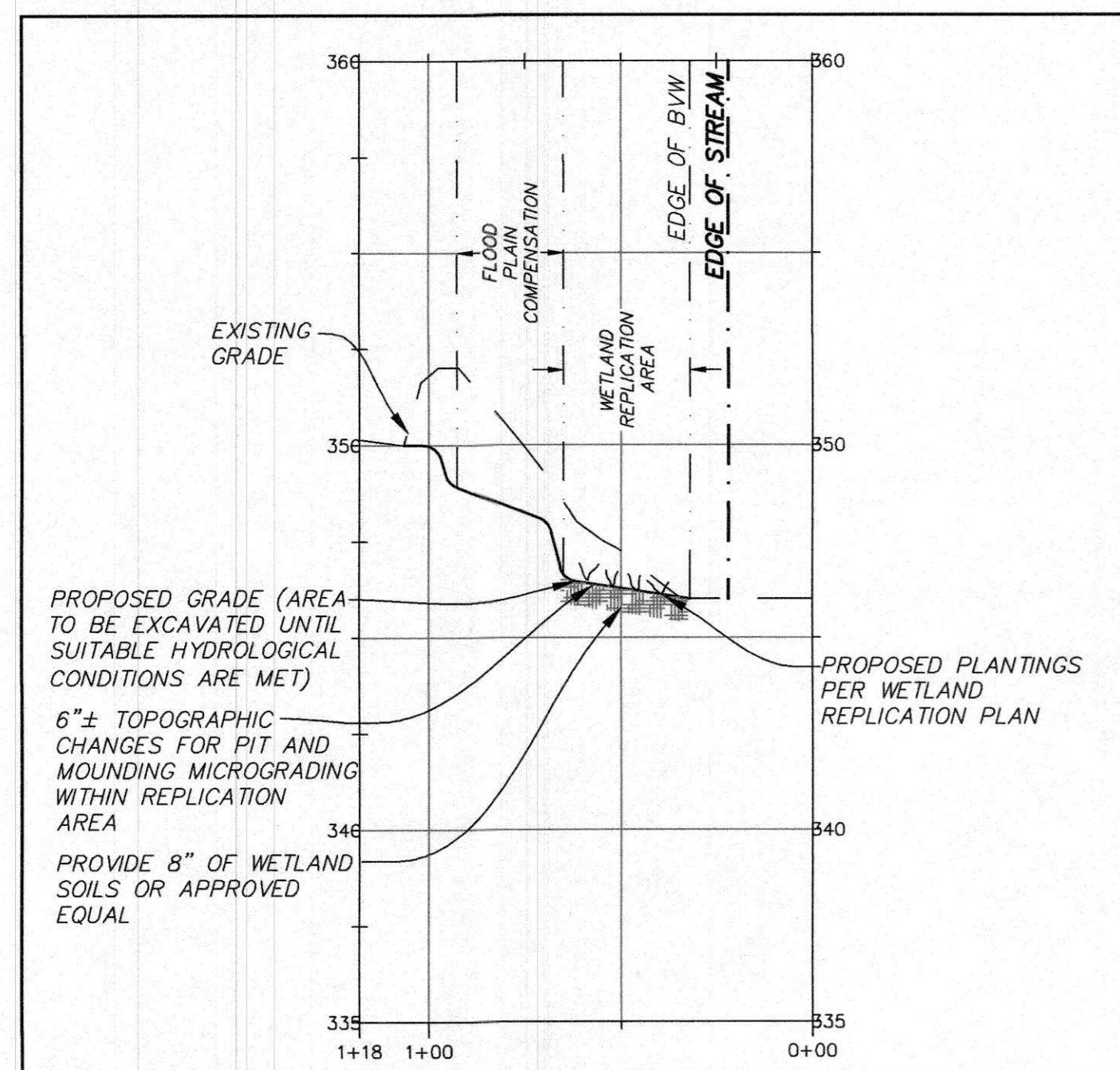


NOTE: CULVERT AND RETAINING WALLS ALONG WITH A ASSOCIATED FEATURES ARE DEPICTED IN A GENERAL MANNER AND ARE SUBJECT TO CHANGE RELATIVE TO STRUCTURAL AND MANUFACTURER REQUIREMENTS.

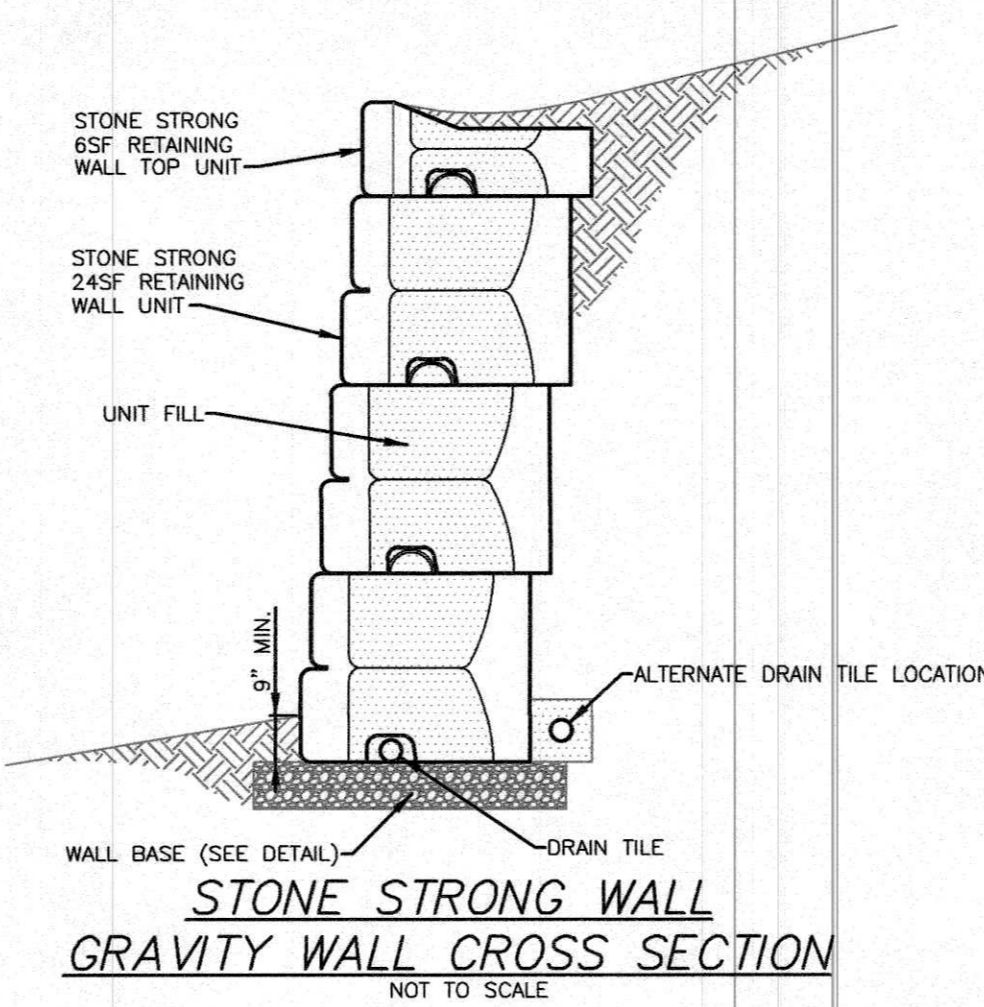
TYPICAL ROADWAY CULVERT DETAIL



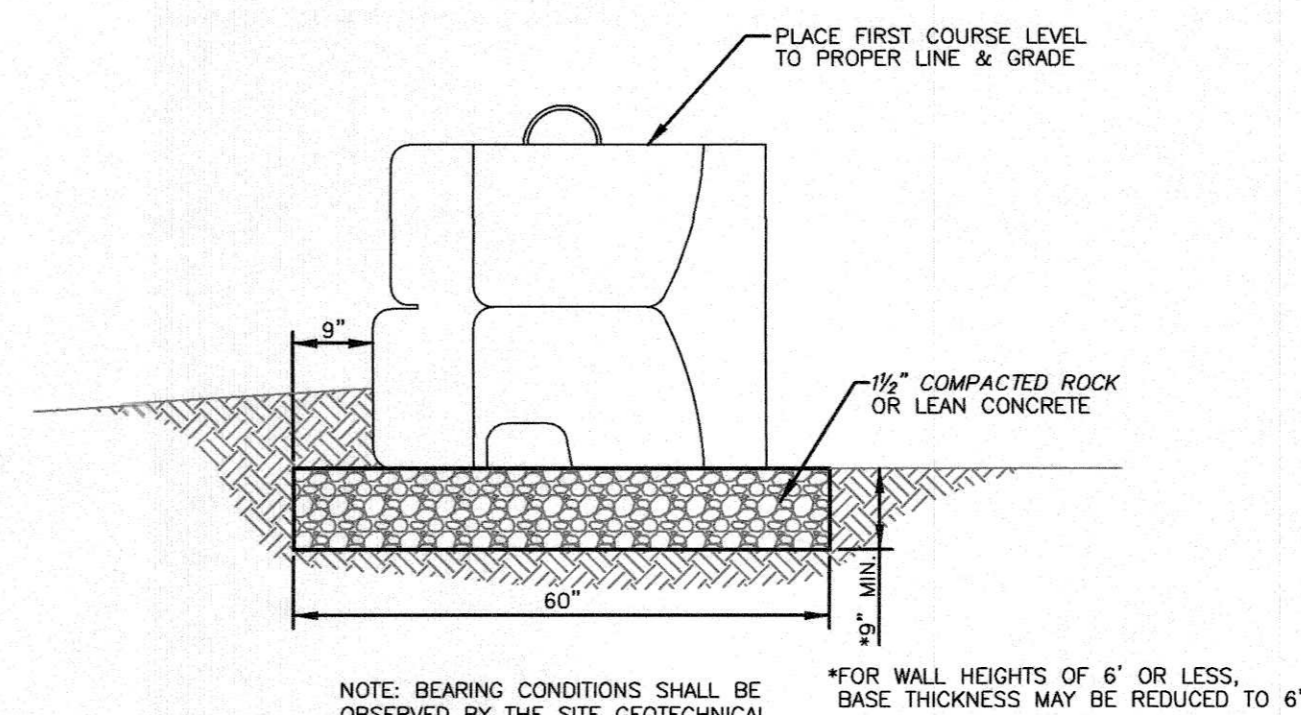
WETLAND REPLICATION DETAIL
NO SCALE



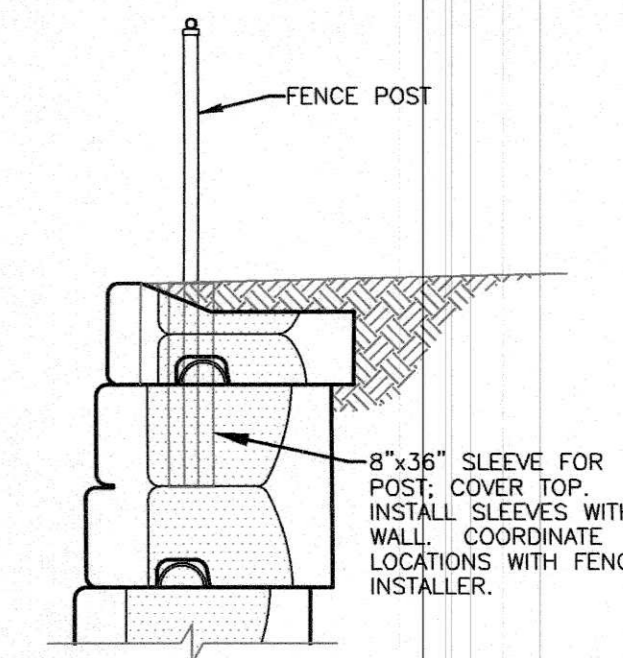
WETLAND REPLICATION PROFILE
HORIZONTAL SCALE: 1: 40
VERTICAL SCALE: 1: 4



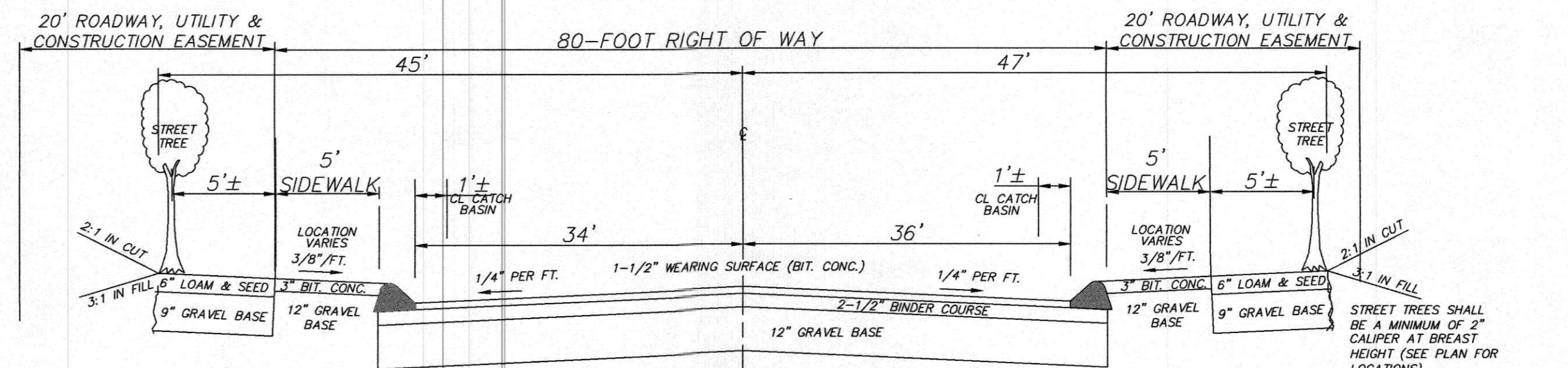
STONE STRONG WALL
GRAVITY WALL CROSS SECTION
NOT TO SCALE



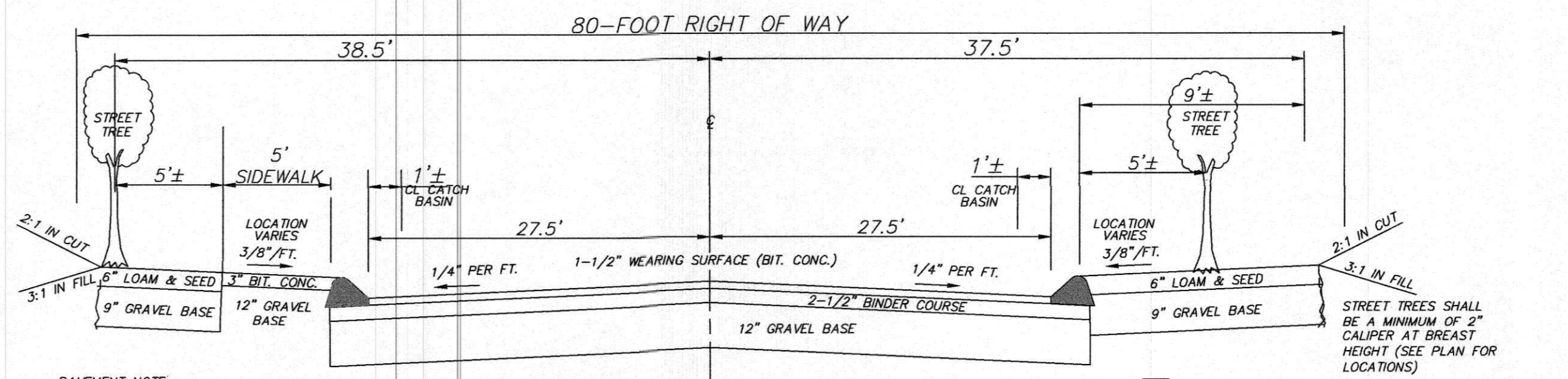
STONE STRONG SYSTEMS - BASE COURSE
NOT TO SCALE



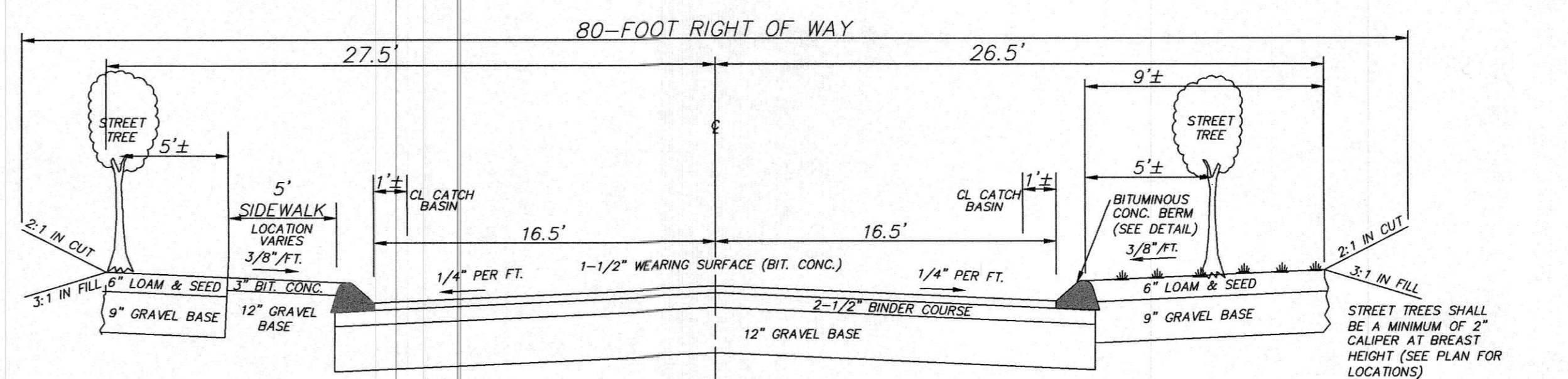
STONE STRONG SYSTEMS
FENCE SLEEVE
NOT TO SCALE



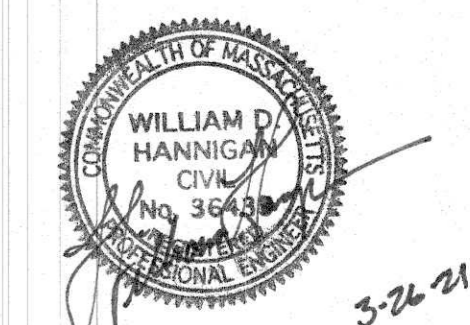
TYPICAL ROADWAY CROSS-SECTION AT 1+00
70FT WIDE - NO SCALE



TYPICAL ROADWAY CROSS-SECTION AT 7+50
55FT WIDE - NO SCALE



TYPICAL ROADWAY CROSS-SECTION 13+00
33FT WIDE - NO SCALE



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| TAB: (13) DET | SHEET 15 OF 15 | PLAN NO: C-11-1 |