

PRELIMINARY SITE PLAN DOCUMENTS

FOR

SLV ASHLAND, LLC

PROPOSED

40B DEVELOPMENT

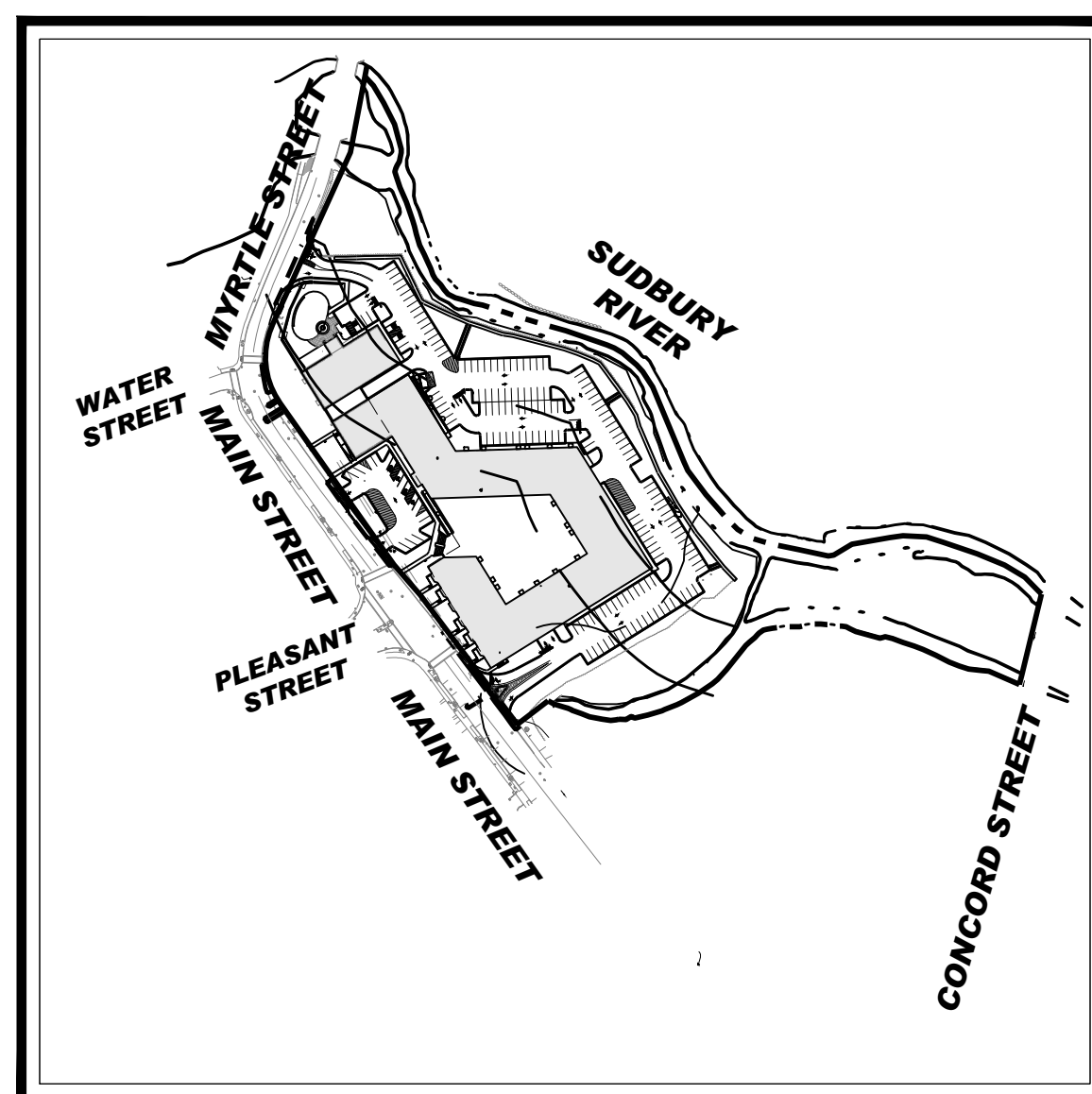
"THE SANCTUARY AT ASHLAND MILLS"

50 MAIN STREET, TOWN OF ASHLAND
MIDDLESEX COUNTY, MASSACHUSETTS
MAP 14, LOT 128

REFERENCES AND CONTACTS

REFERENCES
 ♦ ALL TAINSPS LAND TITLE SURVEY:
 FELDMAN GEOSPATIAL
 152 HAMPDEN STREET
 BOSTON, MA 02118
 DATED: 08/23/2024
 JOB # / SURVEY JOB #2400483-EX
 ELEVATIONS: NAVD 1988
 ♦ ARCHITECTURAL PLAN:
 ENBARC
 580 HARRISON AVENUE, SUITE 2W
 BOSTON, MA 02118
 DATED: 05/17/2024

THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS. HOWEVER, BOHLER DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.



LOCATION MAP

SCALE: 1" = 250'

PREPARED BY

BOHLER //

| SHEET INDEX | |
|---|--------------|
| SHEET TITLE | SHEET NUMBER |
| COVER SHEET | C-101 |
| GENERAL NOTES AND LEGEND | C-102 |
| EXISTING CONDITIONS/ DEMOLITION PLAN | C-201 |
| OVERALL SITE PLAN | C-300 |
| SITE PLAN | C-301 |
| GRADING PLAN | C-401 |
| UTILITY PLAN | C-501 |
| SOIL EROSION & SEDIMENT CONTROL PLAN | C-801 |
| EROSION & SEDIMENT CONTROL NOTES AND DETAILS | C-802 |
| CONSTRUCTION DETAILS | C-901 |
| CONSTRUCTION DETAILS | C-902 |
| CONSTRUCTION DETAILS | C-903 |
| CONSTRUCTION DETAILS | C-904 |
| LANDSCAPE PLAN | L-101 |
| LANDSCAPE NOTES & DETAILS | L-102 |
| LIGHTING PLAN | L-201 |
| LIGHTING NOTES & DETAILS | L-202 |
| EXISTING CONDITIONS PLAN OF 10-50 MAIN STREET IN ASHLAND, MA (BY OTHER) | 3 SHEETS |

BOHLER //
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

| REVISIONS | | | | |
|-----------|------------|------------------------------|------------|----------|
| REV | DATE | COMMENT | CHECKED BY | DRAWN BY |
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG | JAK |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/25/2025
 CAD ID: P-CIVIL-CNDS

PRELIMINARY SITE DEVELOPMENT PLANS

FOR
SLV ASHLAND, LLC
 PROPOSED
 40B DEVELOPMENT
 "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND
 MASSACHUSETTS

BOHLER //
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
www.BohlerEngineering.com

J.A. KUCICH
 JOHN KUCICH
 PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE NO. 15130
 NEW HAMPSHIRE LICENSE NO. 15476
 CONNECTICUT LICENSE NO. 15177
 RHODE ISLAND LICENSE NO. 9518
 MAINE LICENSE NO. 1255

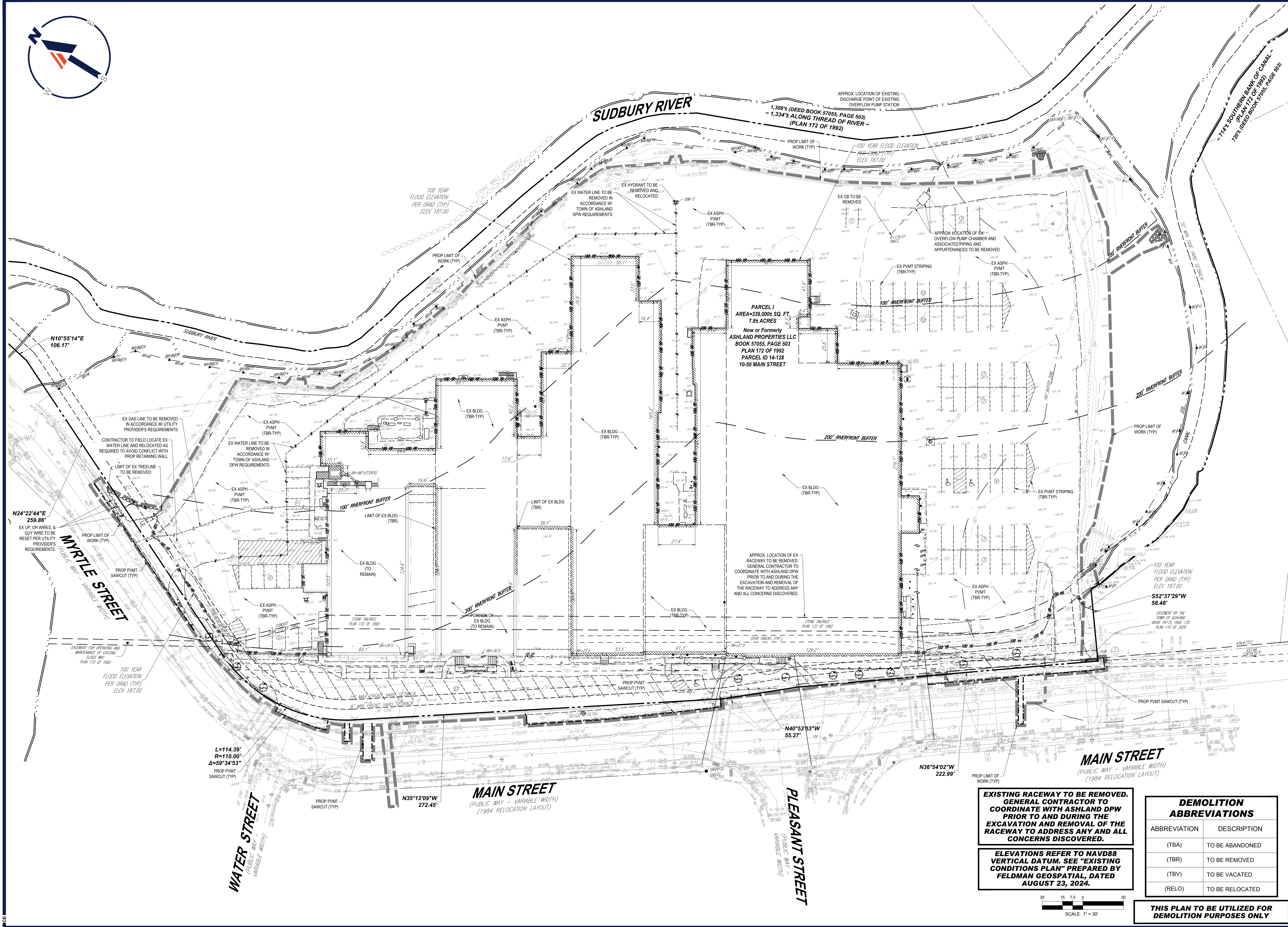
SHEET TITLE:
COVER SHEET

SHEET NUMBER:
C-101

REVISION 6 - 04/29/2025

GENERAL NOTE:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT. WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL, STATE AND FEDERAL CODES.

I:\BOHLER\NET\SHARES\BMA-PROJECTS\2023\MAA230359-00-6A\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLAN\BP-CIVIL-CNDS-MAA230359-00-6A-LAYOUT-C-01 COVER



REVISIONS

| REV | DATE | COMMENT | DRAWN BY | CHECKED BY |
|-----|------------|------------------------------|----------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | JAK | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | JAK | LEC |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | JAK | EKR |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | JAK | EKR |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | JAK | CSE |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/25/2025
 CAD ID: P-CIVL-PROP

PROJECT:
PRELIMINARY SITE DEVELOPMENT PLANS
 FOR

SLV ASHLAND, LLC

PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
 www.BohlerEngineering.com

J.A. KUCICH
 John A. Kucich
 CIVIL ENGINEER
 PROFESSIONAL ENGINEER
 MASS. REG. NO. 15478
 CONN. REG. NO. 19177
 RHODE ISLAND REG. NO. 9616
 MAINE LICENSE NO. 12551

SHEET TITLE:
EXISTING CONDITIONS/ DEMOLITION PLAN

SHEET NUMBER:
C-201

REVISION 6 - 04/29/2025

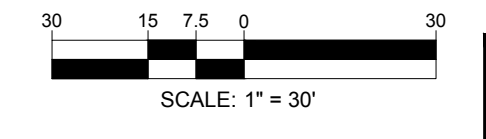
EXISTING RACEWAY TO BE REMOVED. GENERAL CONTRACTOR TO COORDINATE WITH ASHLAND DPW PRIOR TO AND DURING THE EXCAVATION AND REMOVAL OF THE RACEWAY TO ADDRESS ANY AND ALL CONCERNS DISCOVERED.

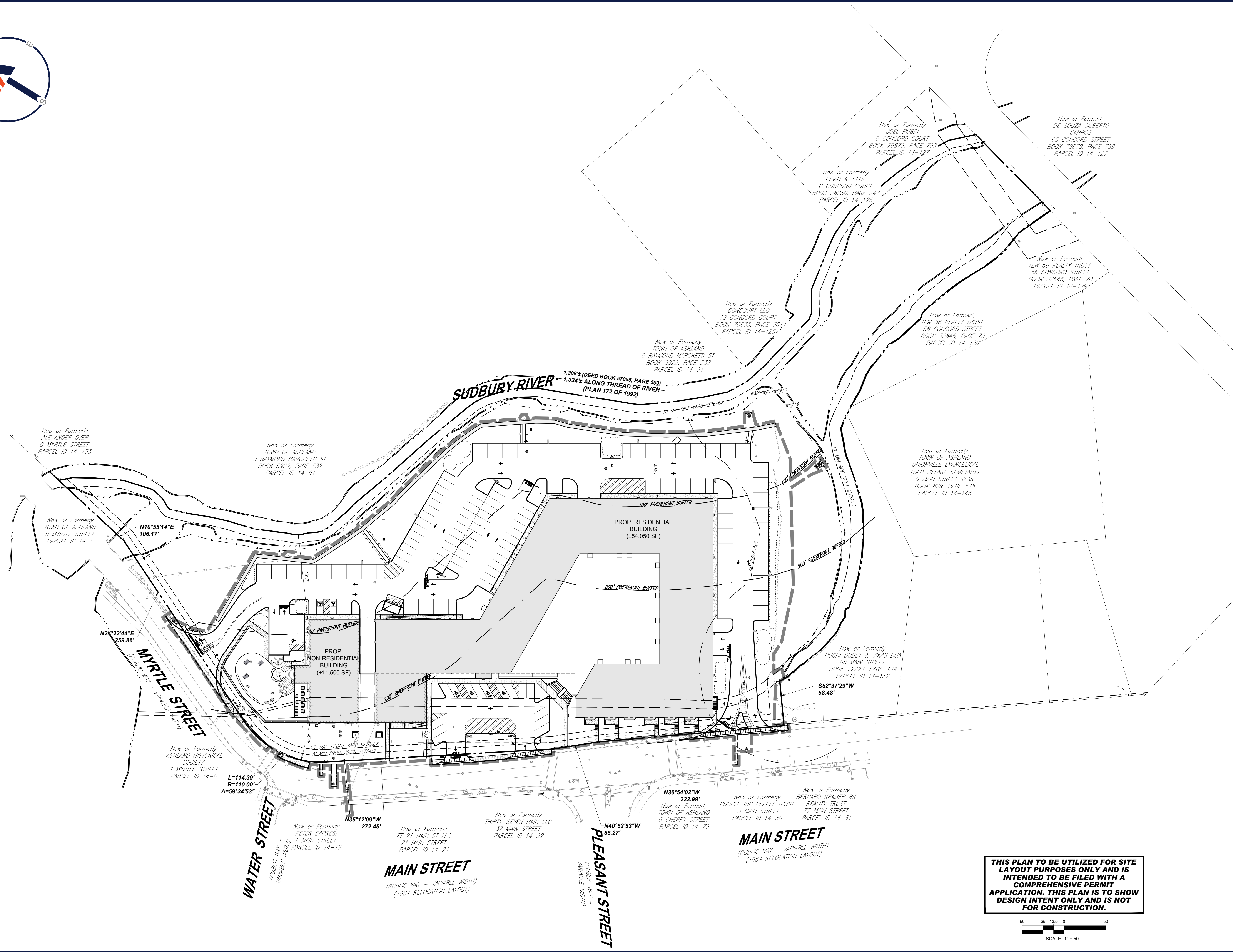
ELEVATIONS REFER TO NAVD88 VERTICAL DATUM. SEE "EXISTING CONDITIONS PLAN" PREPARED BY FELDMAN GEOSPATIAL, DATED AUGUST 23, 2024.

DEMOLITION ABBREVIATIONS

| ABBREVIATION | DESCRIPTION |
|--------------|-----------------|
| (TBA) | TO BE ABANDONED |
| (TBR) | TO BE REMOVED |
| (TBV) | TO BE VACATED |
| (RELO) | TO BE RELOCATED |

THIS PLAN TO BE UTILIZED FOR DEMOLITION PURPOSES ONLY





BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | CHECKED BY | DRAWN BY |
|-----|------------|------------------------------|------------|----------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG | JAK |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/25/2025
 CAD ID: P-CIVL-PROP

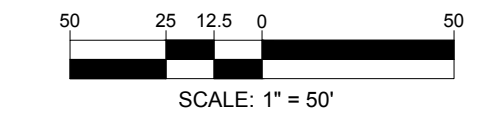
PROJECT:
PRELIMINARY SITE DEVELOPMENT PLANS
 FOR
SLV ASHLAND, LLC
 PROPOSED
 40B DEVELOPMENT
 "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND
 MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
 www.BohlerEngineering.com

J.A. KUCICH
 Civil Engineer
 PROFESSIONAL ENGINEER
 MASSACHUSETTS REG. NO. 15130
 NEW HAMPSHIRE REG. NO. 15476
 CONN. REG. NO. 19117
 RHODE ISLAND REG. NO. 9816
 MAINE LICENSE NO. 12551

SHEET TITLE:
OVERALL SITE PLAN
 SHEET NUMBER:
C-300
 REVISION 6 - 04/29/2025

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY AND IS INTENDED TO BE FILED WITH A COMPREHENSIVE PERMIT APPLICATION. THIS PLAN IS TO SHOW DESIGN INTENT ONLY AND IS NOT FOR CONSTRUCTION.



I:\BOHLER\NET\SHARES\MAA-PROJECTS\2023\MAA230359-00-6A\DRWING\PLAN SETS\CIVIL SITE PLAN\PROP-MAA230359-00-6A-LAYOUT-C-300-OVERALL SITE PLAN.dwg

ZONING TABLE

ZONE: INDUSTRIAL (ADD A OVERLAY DISTRICT)
USE: MIXED-USE AND MULTIFAMILY RESIDENTIAL
MAP: 14 LOT: 128

APPLICANT/ OWNER INFORMATION

APPLICANT: SLV ASHLAND, LLC
257 HILLSIDE AVENUE
NEEDHAM, MA 02464

PROPERTY OWNER: ASHLAND PROPERTIES LLC
330 HOPPING BROOK ROAD
HOLLISTON, MA 01746

BULK REQUIREMENTS

| ITEM | CODE | PERMITTED | EXISTING | PROPOSED |
|----------------------|-----------|--|-----------------------|--|
| MIN LOT AREA | § 8.5.6.1 | 35,000 SF | ±340,142 SF (±7.8 AC) | NO CHANGE |
| MIN LOT FRONTAGE | § 8.5.6.1 | 100' | ±1,031.13' | NO CHANGE |
| MIN YARD SETBACKS | | | | |
| FRONT YARD | § 8.5.6.1 | 8' MIN / 15' MAX. | 16.2' | MIN: 18.3' (BUILDING) 12.0' (RETAINING WALL) MAX: 132.1' (BUILDING) |
| SIDE YARD | § 8.5.6.1 | 0' IF COMMON WALL / 10' MIN. OTHERWISE | 56.8' | 79.8' |
| REAR YARD | § 8.5.6.4 | 12' MIN. | ±609.2' | ±529.5' |
| MAX PERMITTED HEIGHT | § 8.5.6.1 | 38' (3 STORIES) | +/- 2 STORIES | 69' - 11" (6 STORIES) (3) FIVE STORIES OVER PARKING GARAGE +/- 60' - 11" FROM STREET GRADE |
| LOT COVERAGE | N/S | N/S | ±26.8% | ±24.0% |
| IMPERVIOUS COVERAGE | N/S | N/S | ±57.7% | ±48.1% |
| WETLAND AREA | N/S | N/A | ±24.5% | NO CHANGE |
| FLOODPLAIN AREA | N/S | N/A | ±31.5% (4) | ±38.9% (5) |

PARKING REQUIREMENTS

| ITEM | CODE | PERMITTED | EXISTING | PROPOSED |
|---|---------|-------------------|----------|--|
| FRONT PARKING SETBACK | § 5.1.3 | 10' MIN. FROM ROW | 4.6'(E) | 11.8' |
| PARKING STALL CRITERIA STANDARD: 9 FT X 18 FT | § 5.1.2 | 331 (1) | | 362 (TOTAL SPACES) (2) 349 (NON ACCESSIBLE) |
| ACCESSIBLE PARKING CRITERIA STANDARD: | | | | |
| PER §21 CMR 10.3-3 ACCESSIBLE SPACES, SHALL BE PROVIDED IN SUFFICIENT NUMBERS TO MEET THE NEEDS OF THE DWELLING UNIT OCCUPANTS. | N/A | | | 7 SURFACE SPACES 7 COVERED SPACES |

KEY: (E) - WAIVER REQUESTED
(N) - NONCONFORMANCE
(#) - SEE NOTE #



(1) PER SECTION 8.5.13 OF THE TOWN OF ASHLAND ZONING BYLAWS, IN THE ASHLAND DOWNTOWN DISTRICT, THE NUMBER OF PARKING SPACES REQUIRED FOR EACH USE SHALL BE 75% OF THOSE STATED IN SECTION 5.1 OF THE TOWN OF ASHLAND ZONING BYLAWS, WHERE THERE IS A MIXTURE OF LAND USES ON ONE LOT, THE NUMBER OF PARKING SPACES REQUIRED SHALL BE ONLY 75% OF THOSE STIPULATED ABOVE, THAT IS, WHERE THERE IS A MIXTURE OF USES THE PARKING REQUIREMENT WILL BE 56.25% (75% TIMES 75%).

USE CATEGORY: MIXED-USE RESIDENTIAL, RETAIL & RESTAURANT
REQUIRED PARKING CALCULATION:
RESIDENTIAL:
2 SPACES PER DWELLING UNIT:
(2 SPACES / D.U.) X 250 UNITS = 500 SPACES

RETAIL:
1 SPACE PER 180 SF OF LEASABLE FLOOR SPACE:
(1 SPACE / 180 SF) X 6,500 SF = 36.1 = 37 SPACES

RESTAURANT:
1 SPACE PER 4 SEATS:
(1 SPACE / 4 SEATS) X 168 SEATS = 42 SPACES

TOTAL REQUIRED SPACES: 56.25% OF 579 = 325.7 = 326 SPACES REQUIRED

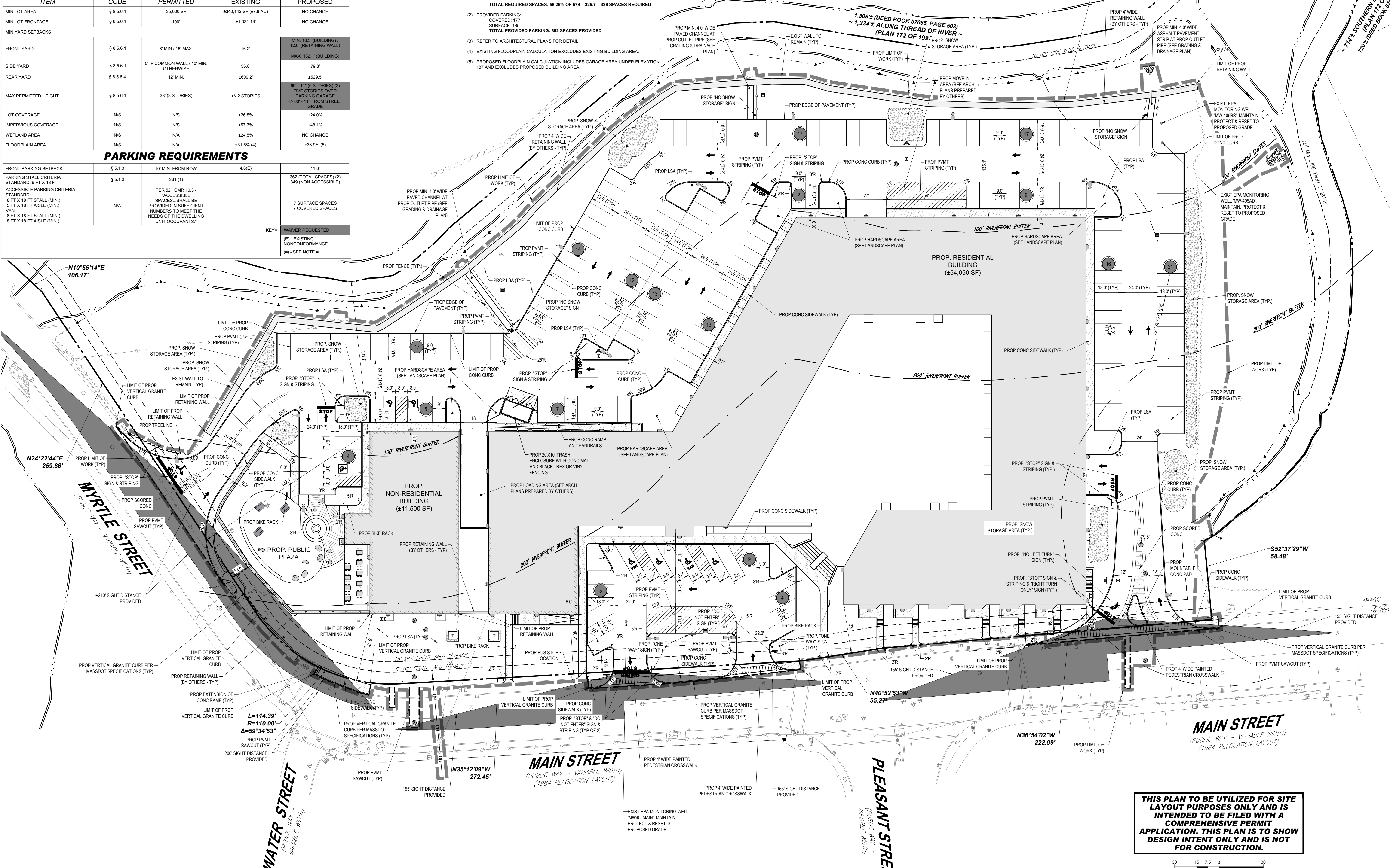
(2) PROVIDED PARKING: COVERED: 177
SURFACE: 185
TOTAL PROVIDED PARKING: 362 SPACES PROVIDED

(3) REFER TO ARCHITECTURAL PLANS FOR DETAIL.

(4) EXISTING FLOODPLAIN CALCULATION EXCLUDES EXISTING BUILDING AREA.

(5) PROPOSED FLOODPLAIN CALCULATION INCLUDES GARAGE AREA UNDER ELEVATION 187 AND EXCLUDES PROPOSED BUILDING AREA.

SUDBURY RIVER



BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | CHECKED BY |
|-----|------------|------------------------------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR |
| 5 | 03/19/2025 | REVIS TO DRIVEWAY & GARAGE | EKR |
| 6 | 04/29/2025 | RESPONSE TO MOM & HANCOCK | CSE EGD |

811
Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/25/2025
CAD ID: P-CIVL-PROP

PRELIMINARY SITE DEVELOPMENT PLANS

SLV ASHLAND, LLC

PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

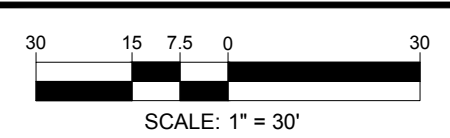
J.A. KUCICH
Professional Engineer
MASS. REG. NO. 11530
NEW HAVEN, CT 06511
CONV. REG. NO. 15476
RHODE ISLAND LICENSE NO. 9818
MAINE LICENSE NO. 12551

SHEET TITLE: **SITE PLAN**

SHEET NUMBER: **C-301**

REVISION 6 - 04/29/2025

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY AND IS INTENDED TO BE FILED WITH A COMPREHENSIVE PERMIT APPLICATION. THIS PLAN IS TO SHOW DESIGN INTENT ONLY AND IS NOT FOR CONSTRUCTION.

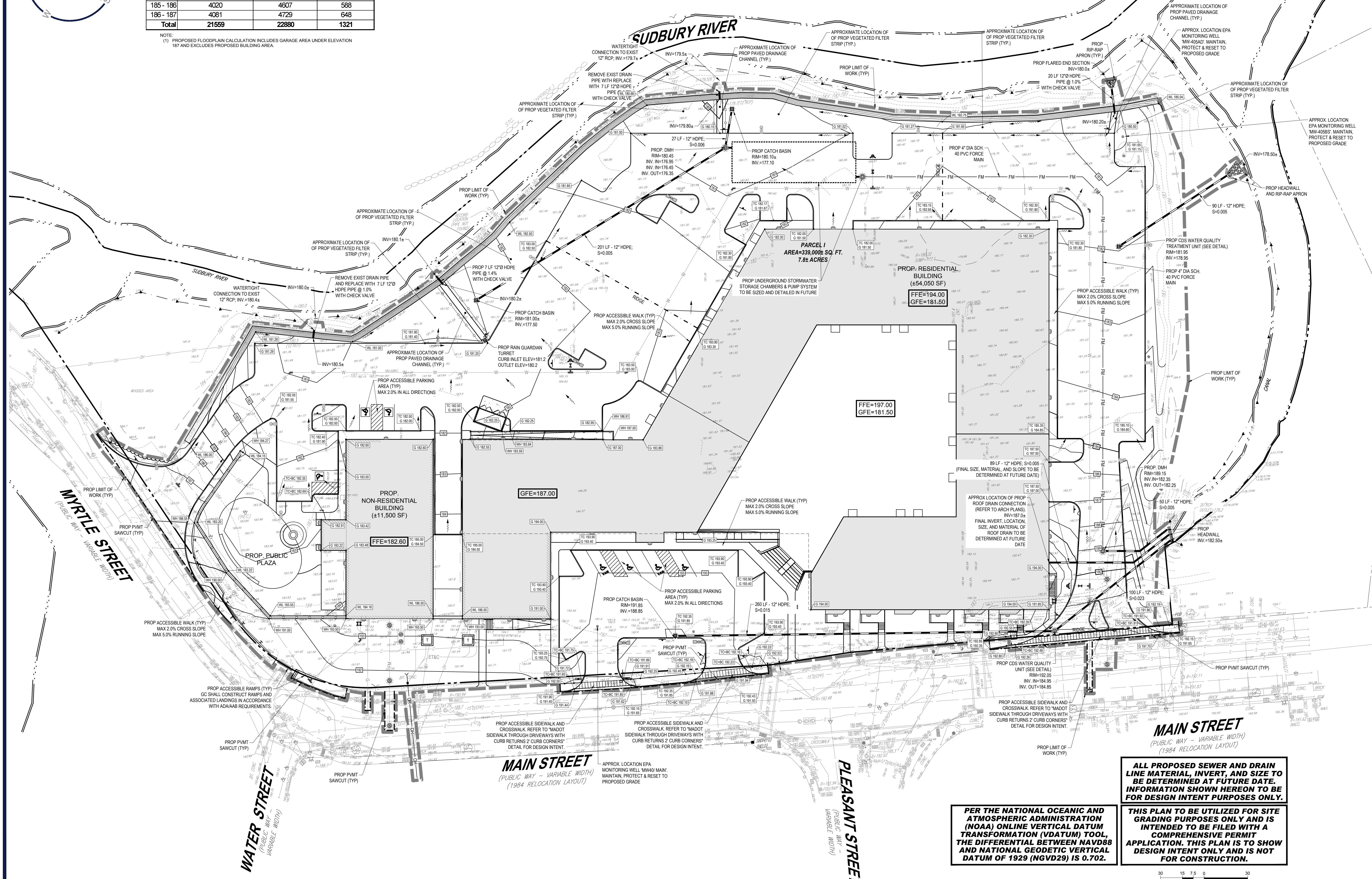




FLOOD STORAGE CALCULATIONS

| Elevation Interval | Existing Volume Provided (Cy) | Proposed Volume Provided (Cy) | Net Volume Provided (Cy) |
|--------------------|-------------------------------|-------------------------------|--------------------------|
| < 185 | 13459 | 13544 | 85 |
| 185 - 186 | 4020 | 4607 | 588 |
| 186 - 187 | 4081 | 4729 | 648 |
| Total | 21559 | 22880 | 1321 |

NOTE:
 (1) PROPOSED FLOODPLAIN CALCULATION INCLUDES GARAGE AREA UNDER ELEVATION 187 AND EXCLUDES PROPOSED BUILDING AREA.



BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | CHECKED BY |
|-----|------------|------------------------------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR |
| 5 | 03/19/2025 | REV'S TO DRIVEWAY & GARAGE | EKR |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 DATE: 02/25/2025
 CAD ID: P-CIVL-PROP

PRELIMINARY SITE DEVELOPMENT PLANS

FOR

SLV ASHLAND, LLC
 PROPOSED 40B DEVELOPMENT
 "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND
 MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
www.BohlerEngineering.com

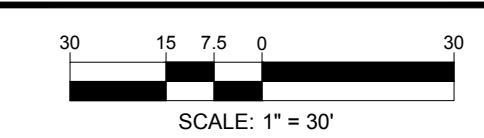
J.A. KUCICH
 JOHN A. KUCICH
 CIVIL ENGINEER
 PROFESSIONAL SEAL
 MASSACHUSETTS REG. NO. 151330
 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 19177
 RHODE ISLAND REG. NO. 0616
 MAINE LICENSE NO. 12551

SHEET TITLE:
GRADING PLAN
 SHEET NUMBER:
C-401
 REVISION 6 - 04/29/2025

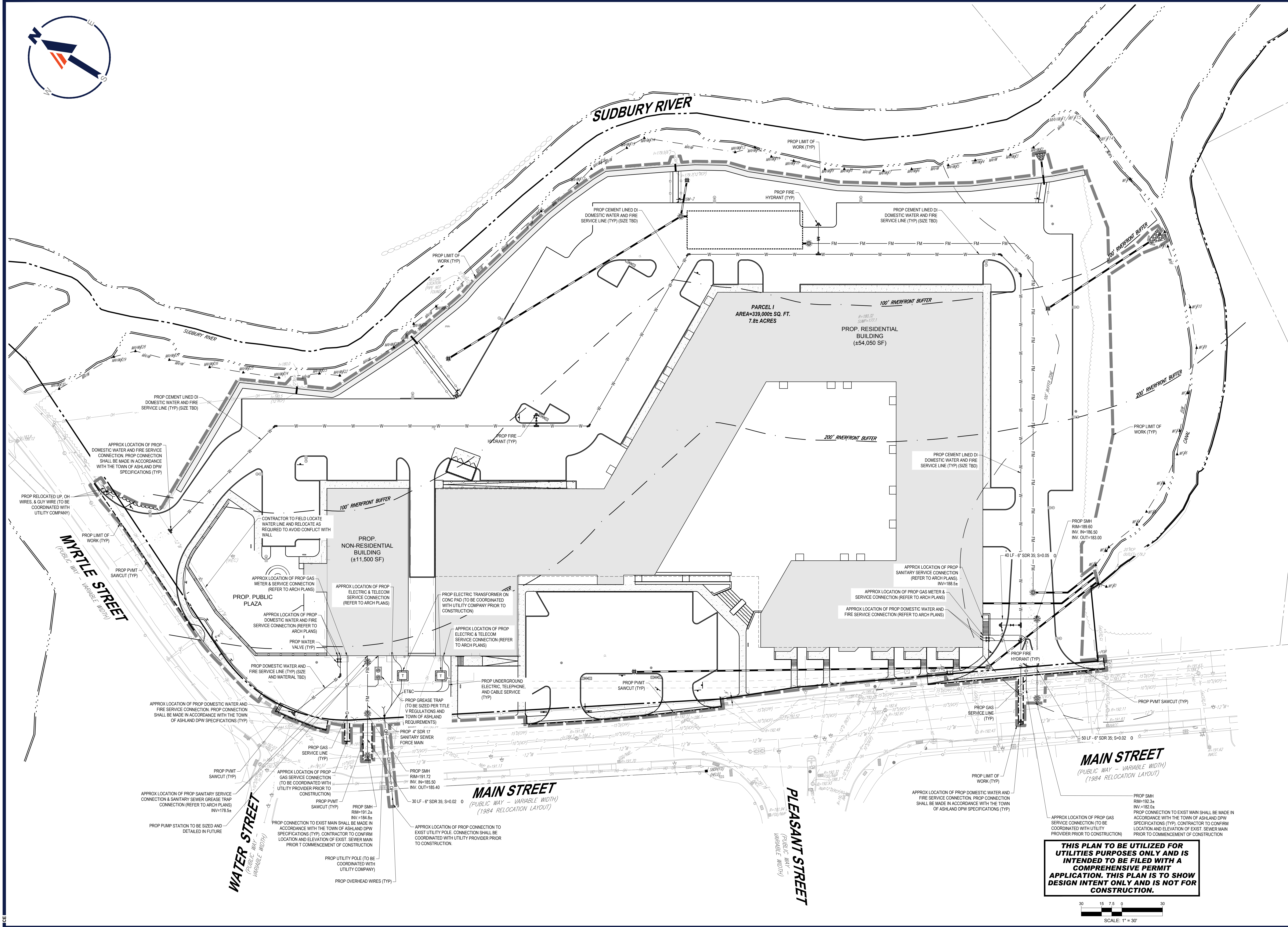
ALL PROPOSED SEWER AND DRAIN LINE MATERIAL, INVERT, AND SIZE TO BE DETERMINED AT FUTURE DATE. INFORMATION SHOWN HEREON TO BE FOR DESIGN INTENT PURPOSES ONLY.

PER THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION (VDATUM) TOOL, THE DIFFERENTIAL BETWEEN NAVD88 AND NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) IS 0.702.

THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY AND IS INTENDED TO BE FILED WITH A COMPREHENSIVE PERMIT APPLICATION. THIS PLAN IS TO SHOW DESIGN INTENT ONLY AND IS NOT FOR CONSTRUCTION.



BOHLER ENGINEERING, INC. PROJECT: 2023-MAA230359-00-6A-001-LAYOUT C-401 GRADING PLAN



BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | DRAWN BY | CHECKED BY |
|-----|------------|------------------------------|----------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | JAK |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/25/2025
 CAD ID: P-CIVL-PROP

PRELIMINARY SITE DEVELOPMENT PLANS

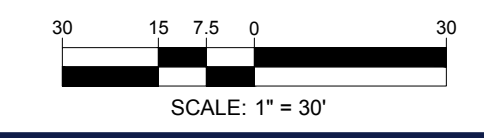
FOR
SLV ASHLAND, LLC
 PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
 www.BohlerEngineering.com

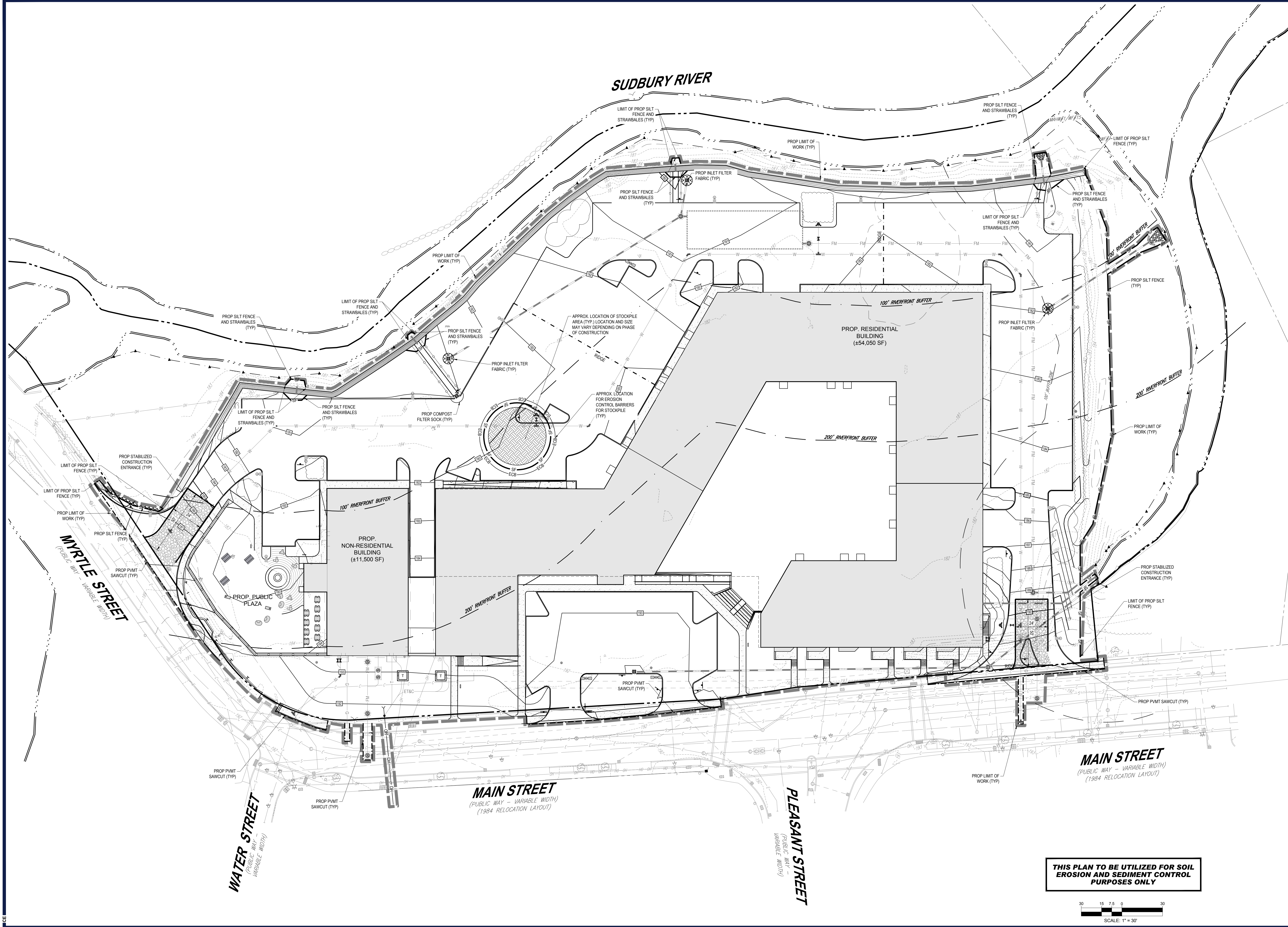
J.A. KUCICH
 JOHN A. KUCICH
 CIVIL ENGINEER
 PROFESSIONAL ENGINEER
 MASS. REG. NO. 15130
 NEW HAVEN, CT REG. NO. 15476
 CONN. REG. NO. 19177
 RHODE ISLAND REG. NO. 0616
 MAINE LICENSE NO. 12551

SHEET TITLE:
UTILITY PLAN
 SHEET NUMBER:
C-501
 REVISION 6 - 04/29/2025

THIS PLAN IS TO BE UTILIZED FOR UTILITIES PURPOSES ONLY AND IS INTENDED TO BE FILED WITH A COMPREHENSIVE PERMIT APPLICATION. THIS PLAN IS TO SHOW DESIGN INTENT ONLY AND IS NOT FOR CONSTRUCTION.



I:\BOHLER\NET\ISHARE\SMA\PROJ\2023\2023\MAA230359-00-6A\LAYOUT\C-501 UTIL



REVISIONS

| REV | DATE | COMMENT | CHECKED BY | DRAWN BY |
|-----|------------|------------------------------|------------|----------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG | JAK |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/25/2025
 CAD ID: P-CIVL-PROP

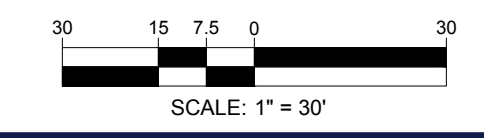
PROJECT:
PRELIMINARY SITE DEVELOPMENT PLANS
 FOR
SLV ASHLAND, LLC
 PROPOSED
 40B DEVELOPMENT
 "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND
 MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
www.BohlerEngineering.com

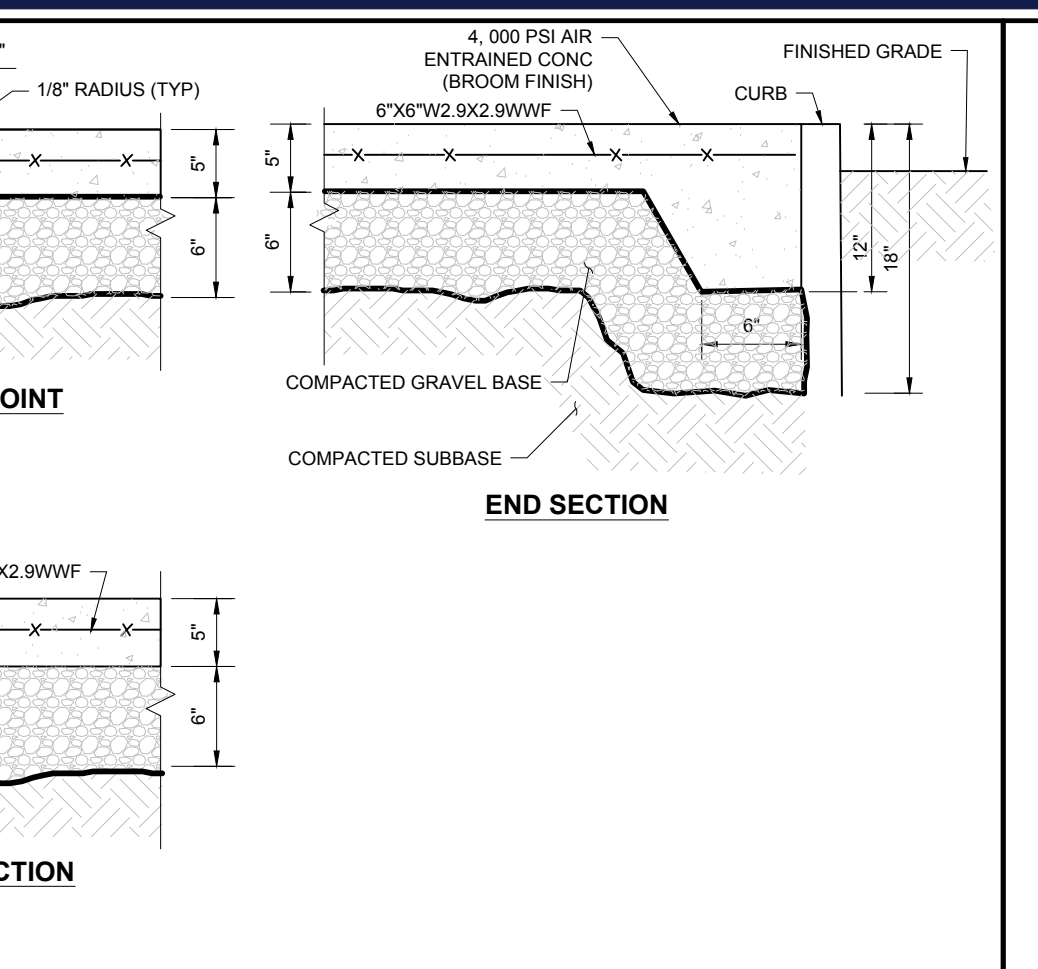
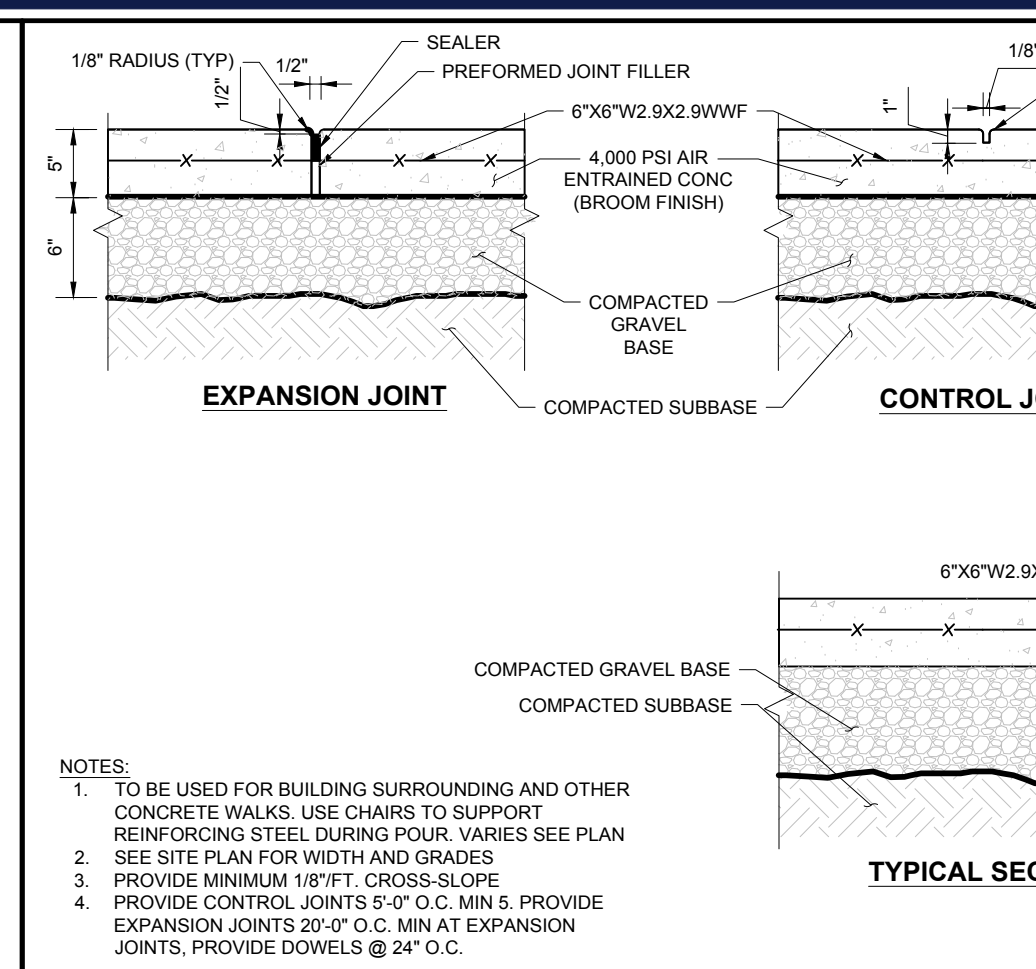
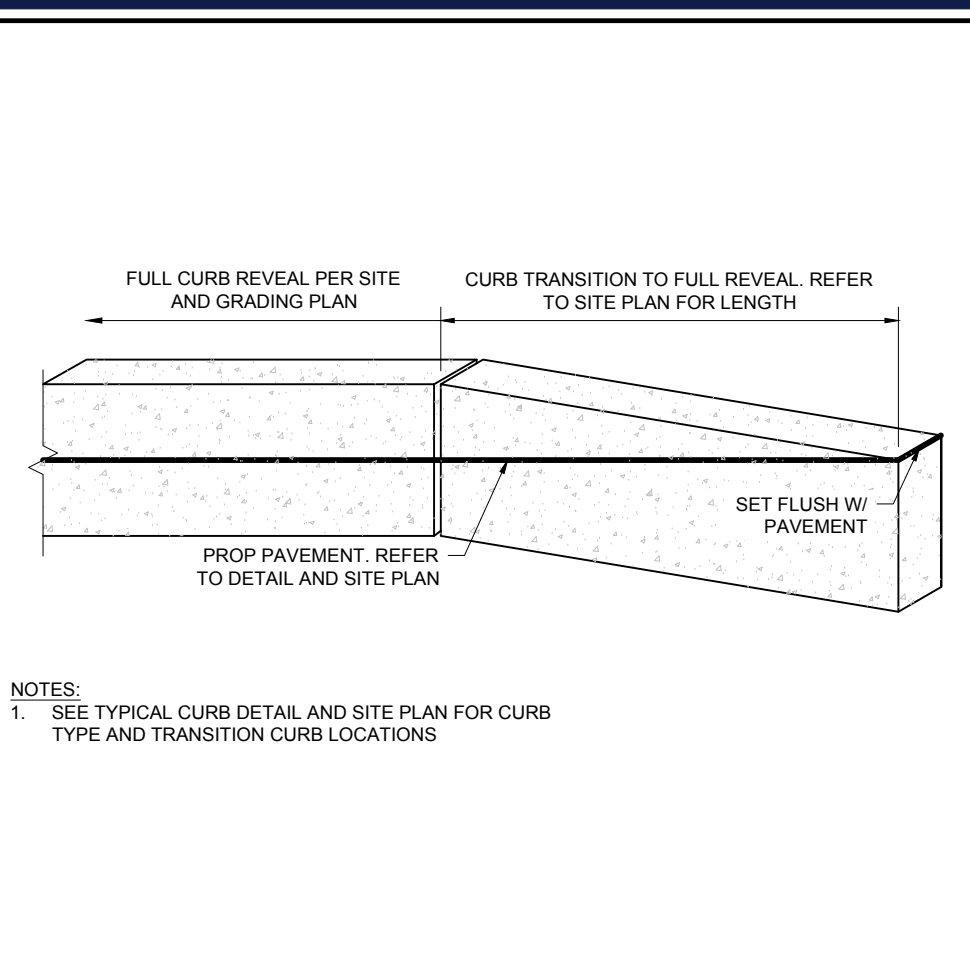
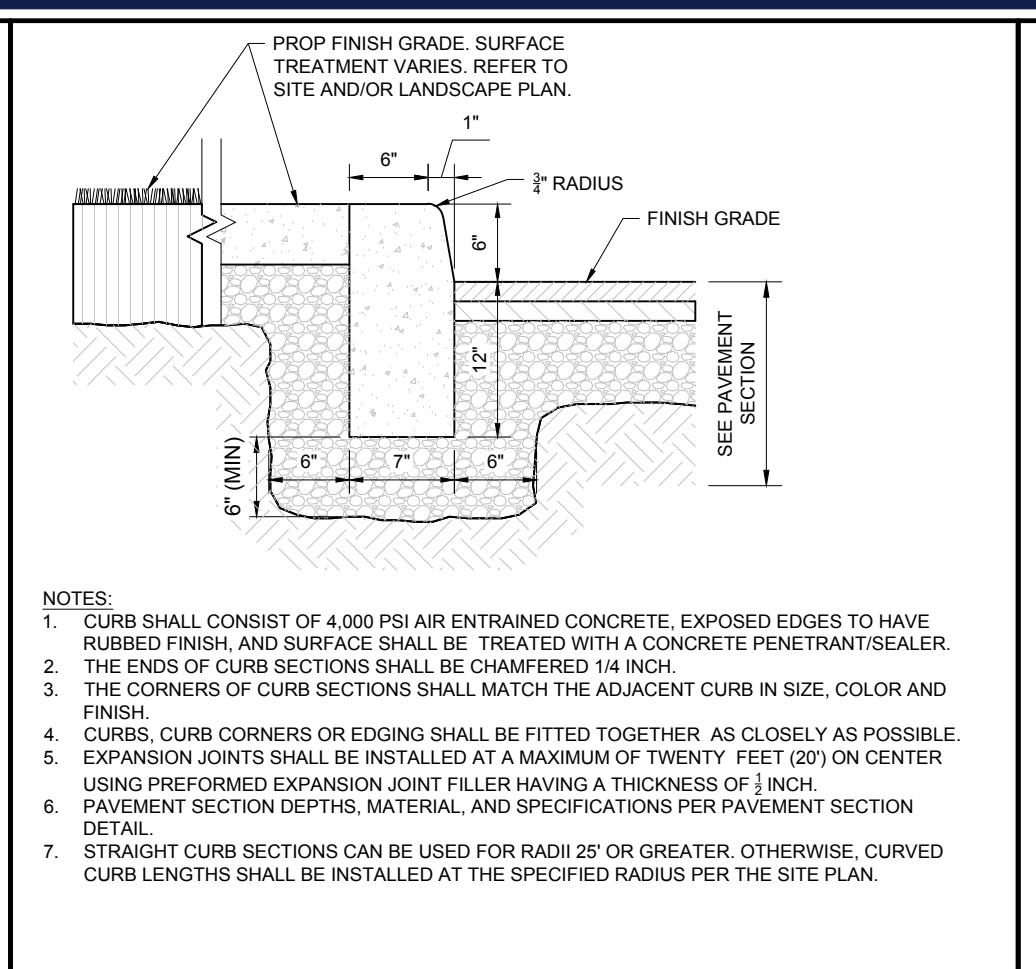
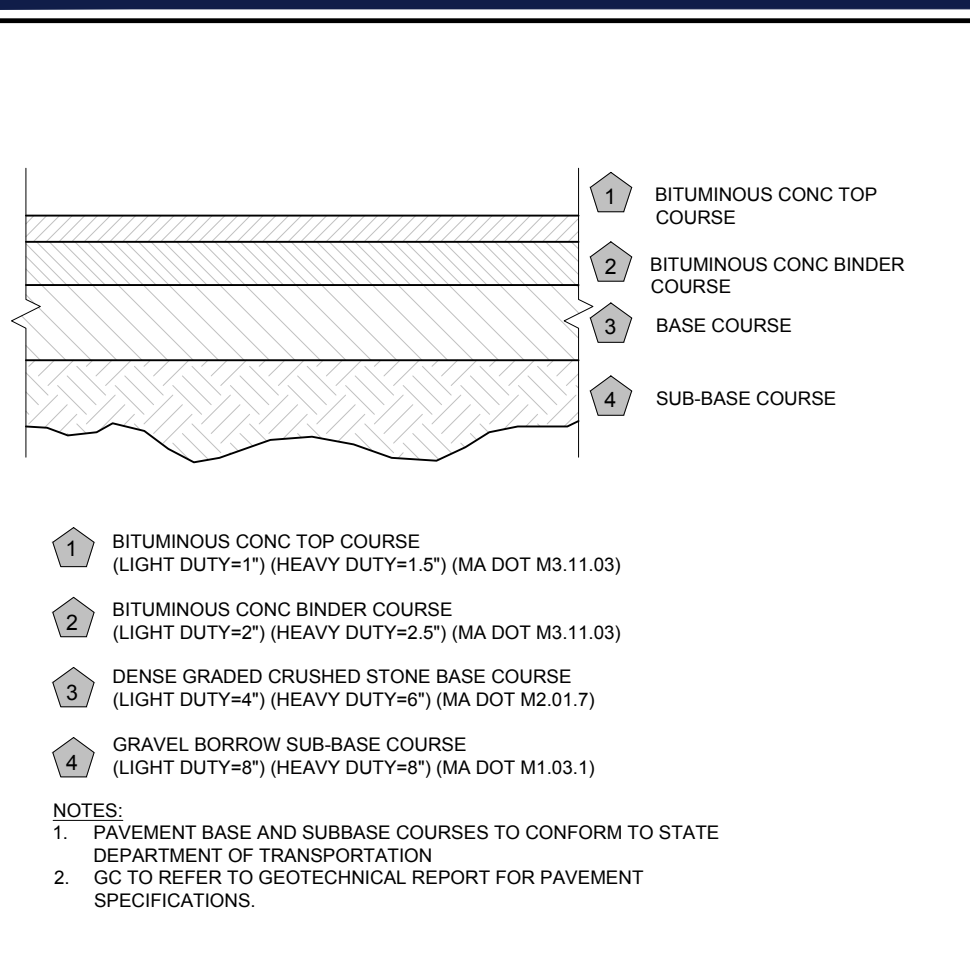
J.A. KUCICH
 JOHN A. KUCICH
 CIVIL ENGINEER
 PROFESSIONAL SEAL
 MASS. REG. NO. 15130
 NEW HAMPSHIRE REG. NO. 15476
 CONN. REG. NO. 19177
 RHODE ISLAND REG. NO. 0616
 MAINE LICENSE NO. 12551

SHEET TITLE:
SOIL EROSION AND SEDIMENT CONTROL PLAN
 SHEET NUMBER:
C-801

THIS PLAN TO BE UTILIZED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY



I:\BOHLER\NET\ISHARES\MA-PRO\JECTS\2023\MAA230359-00\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\CIVL-PROP-MAA230359-00-6A-LAYOUT-C-801.EROS



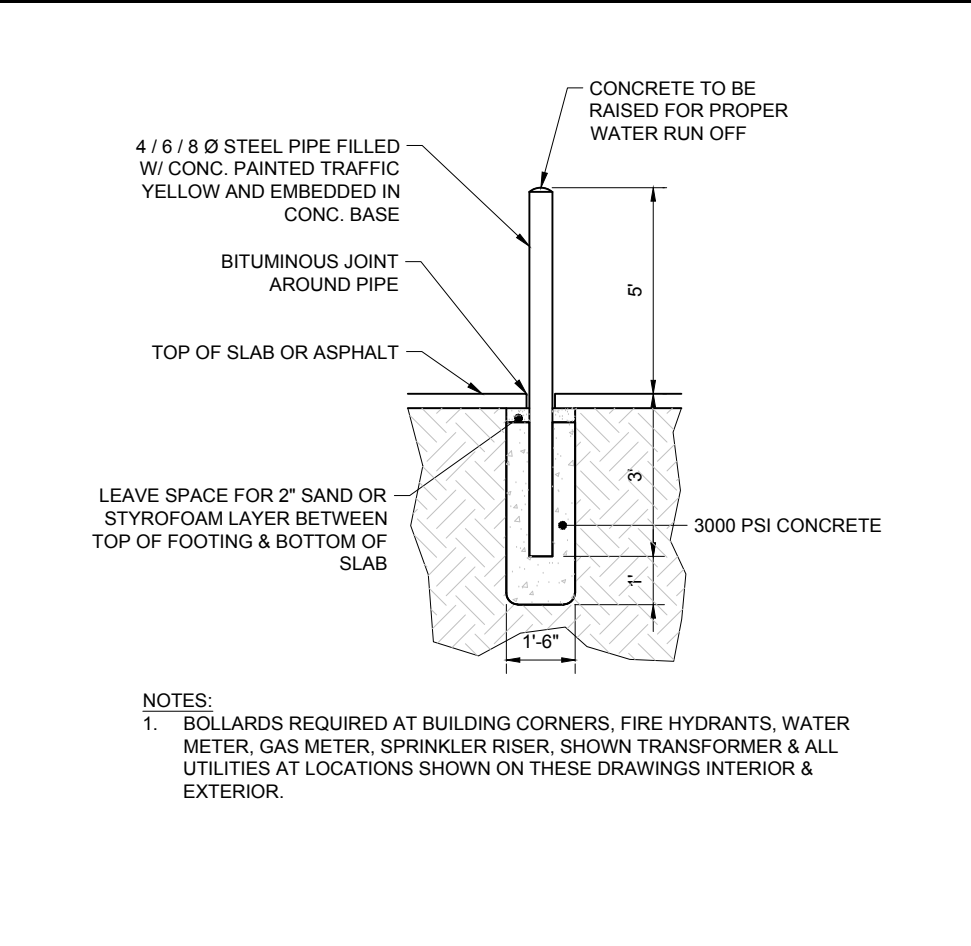
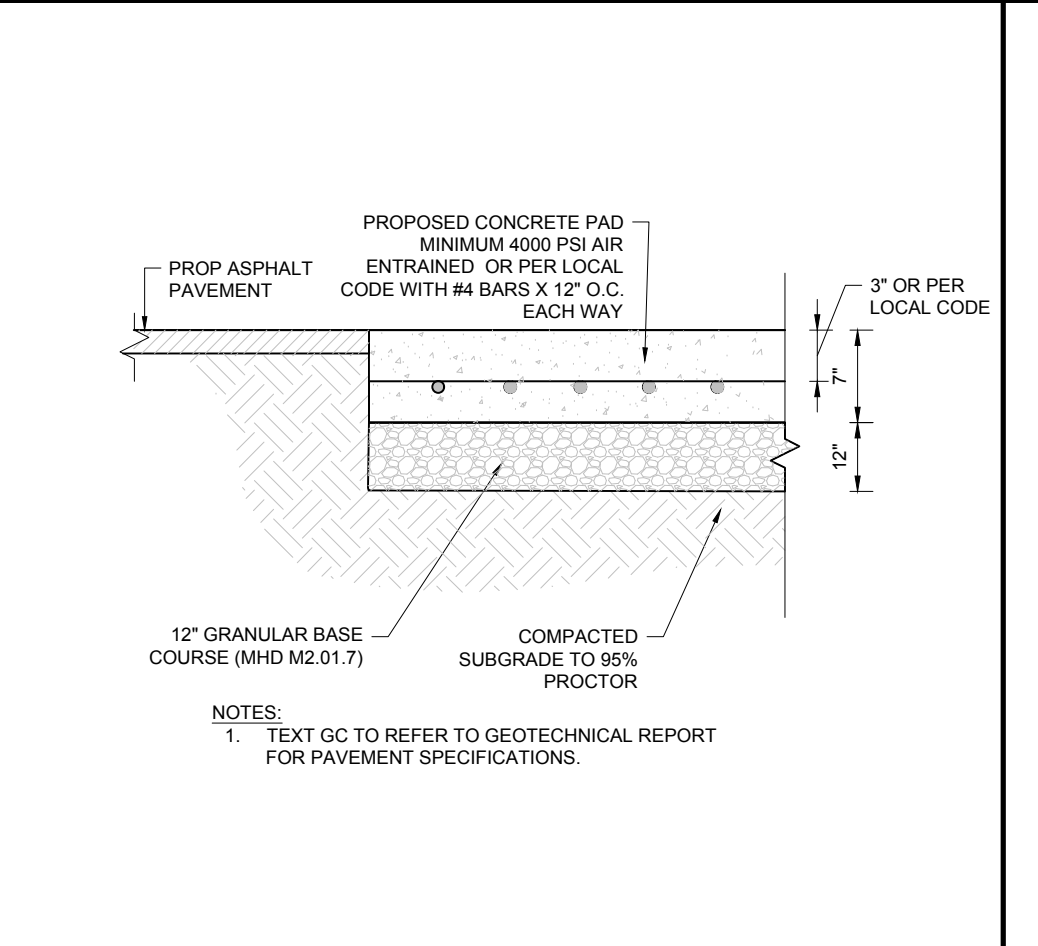
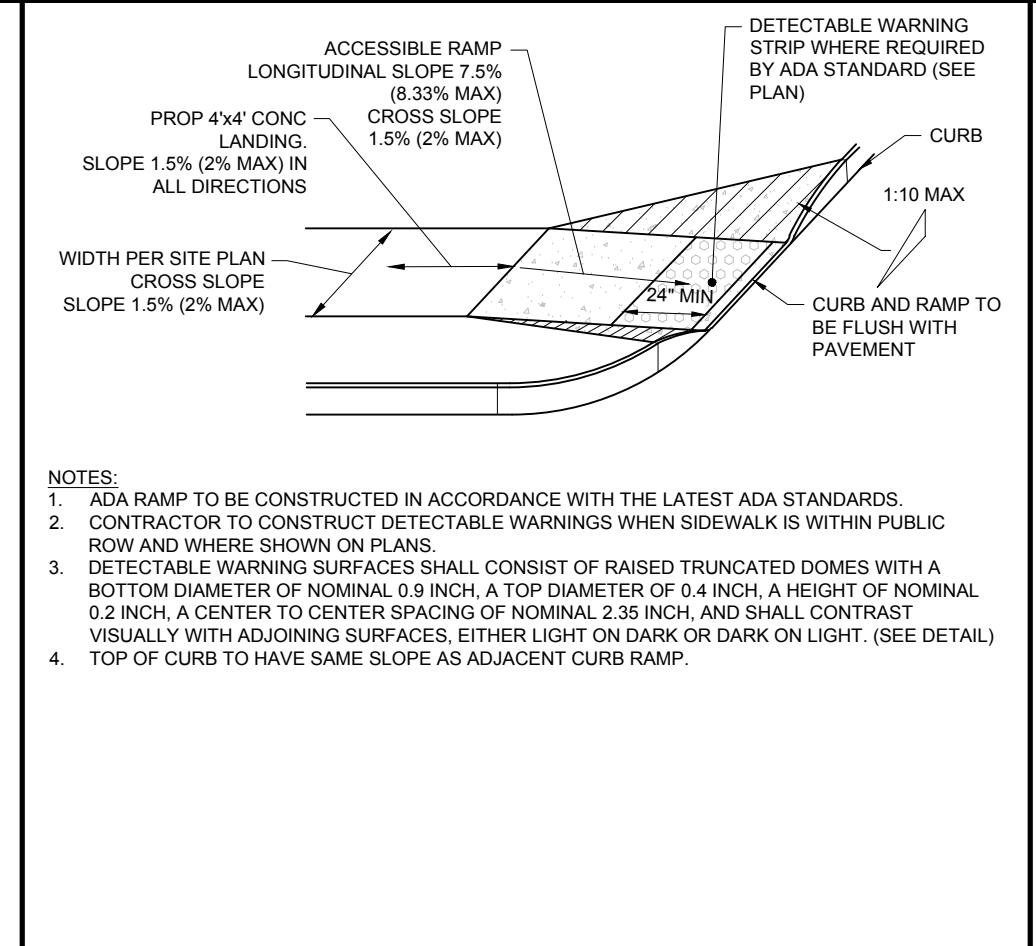
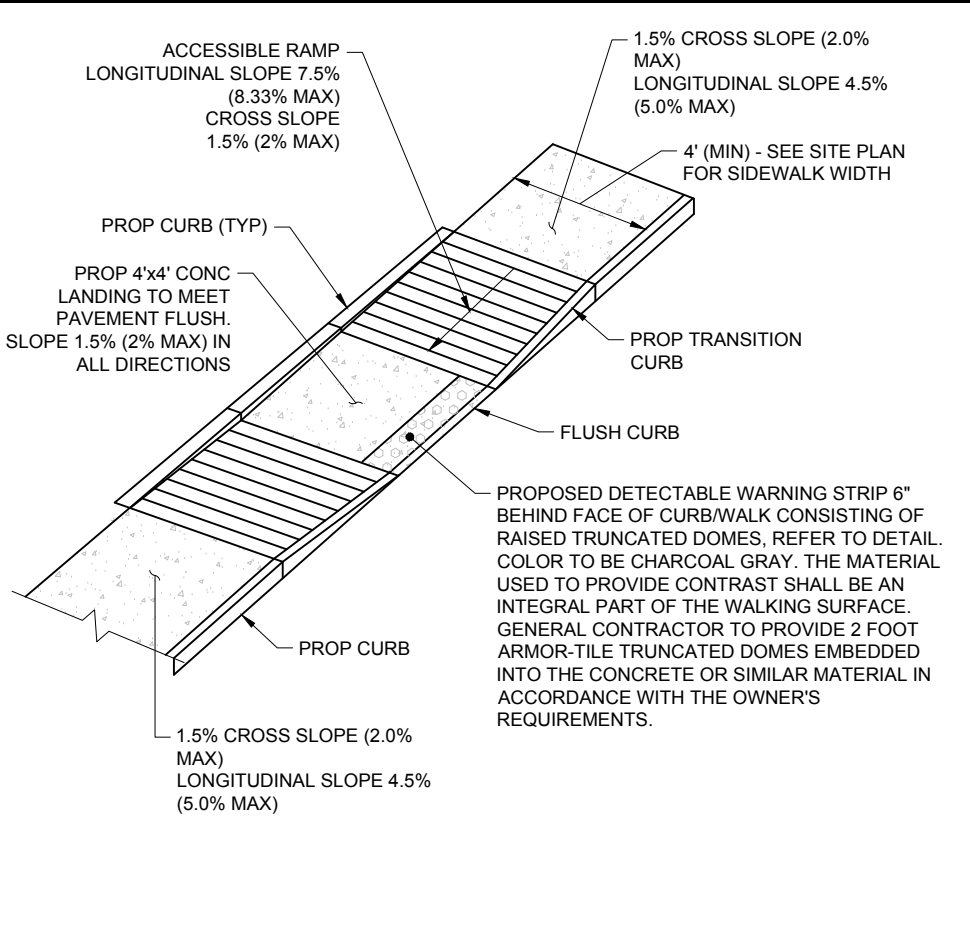
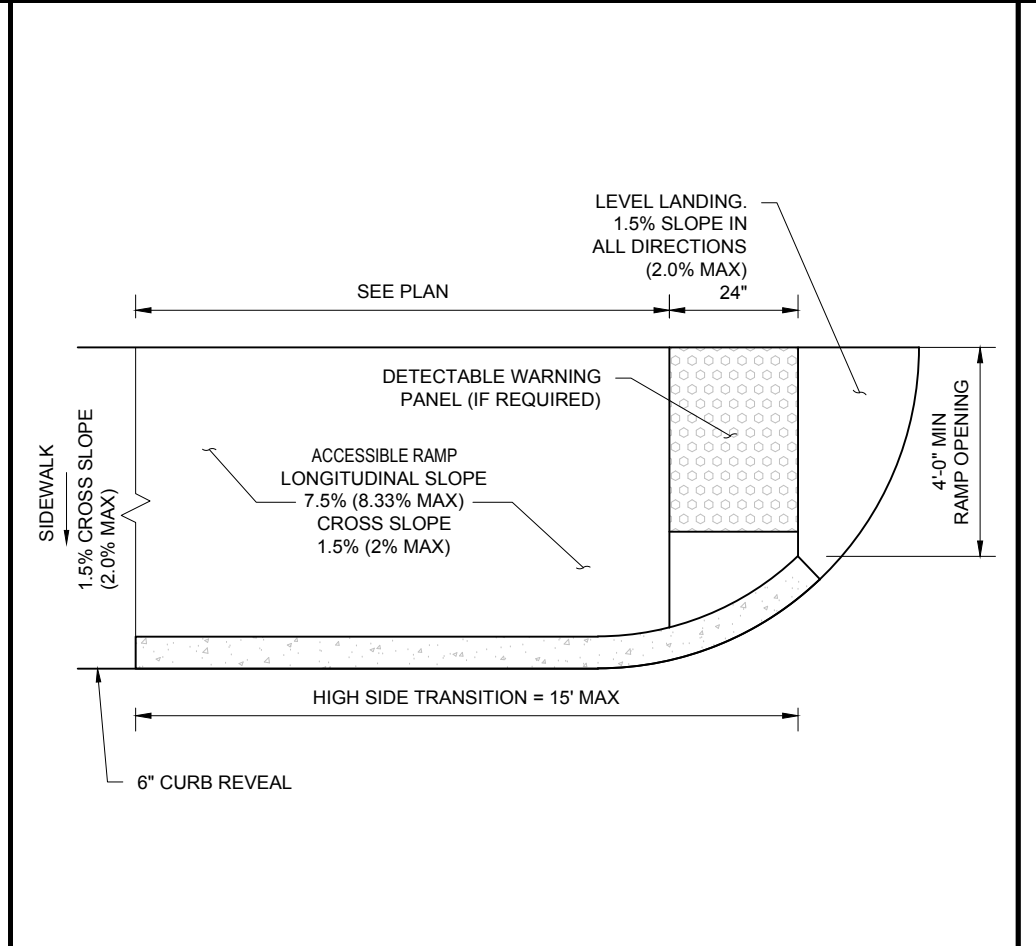
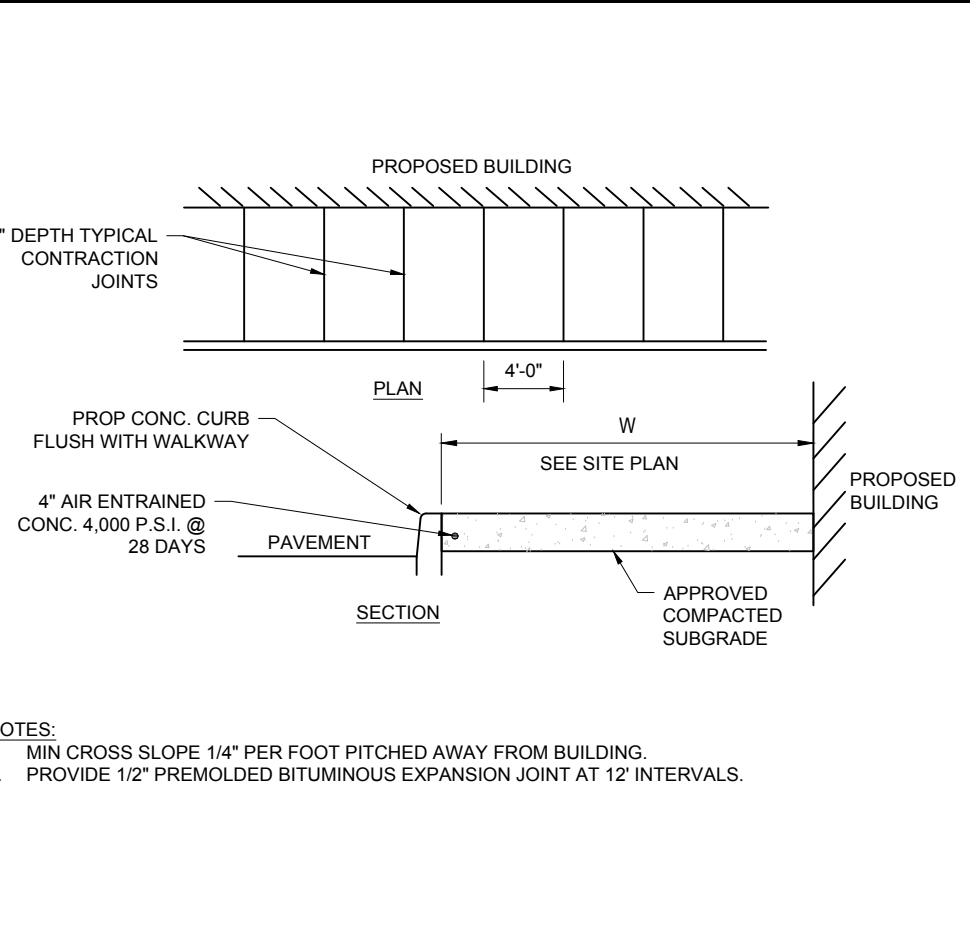
MASSACHUSETTS PAVEMENT SECTION
NOT TO SCALE (NE-S010103 - 10/2024)

PRECAST CONCRETE CURB
NOT TO SCALE (NE-S020201 - 10/2024)

PRECAST CONCRETE TRANSITION CURB
NOT TO SCALE (NE-S020206 - 09/2023)

CONCRETE SIDEWALK
NOT TO SCALE (NE-S030201 - 10/2024)

SIDEWALK CONSTRUCTION JOINTS
NOT TO SCALE (BE-S030401 - 09/2023)



SIDEWALK ALONG BUILDING
NOT TO SCALE (NE-S030209 - 09/2023)

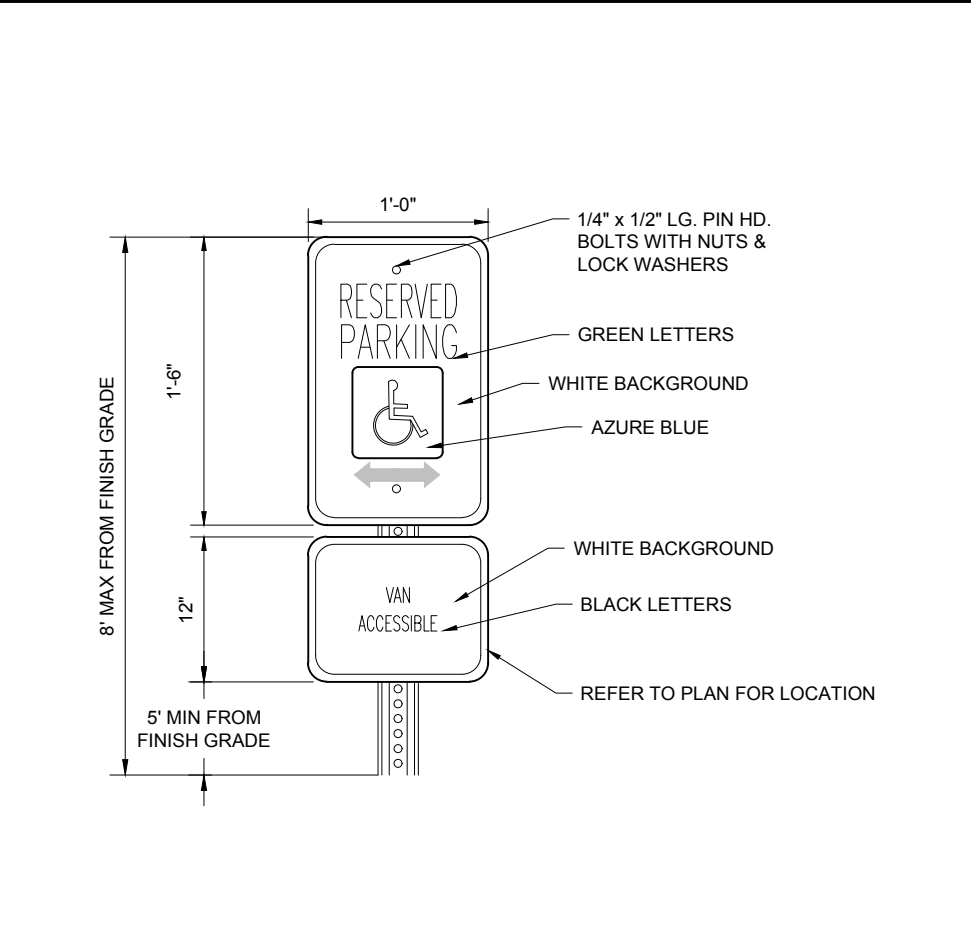
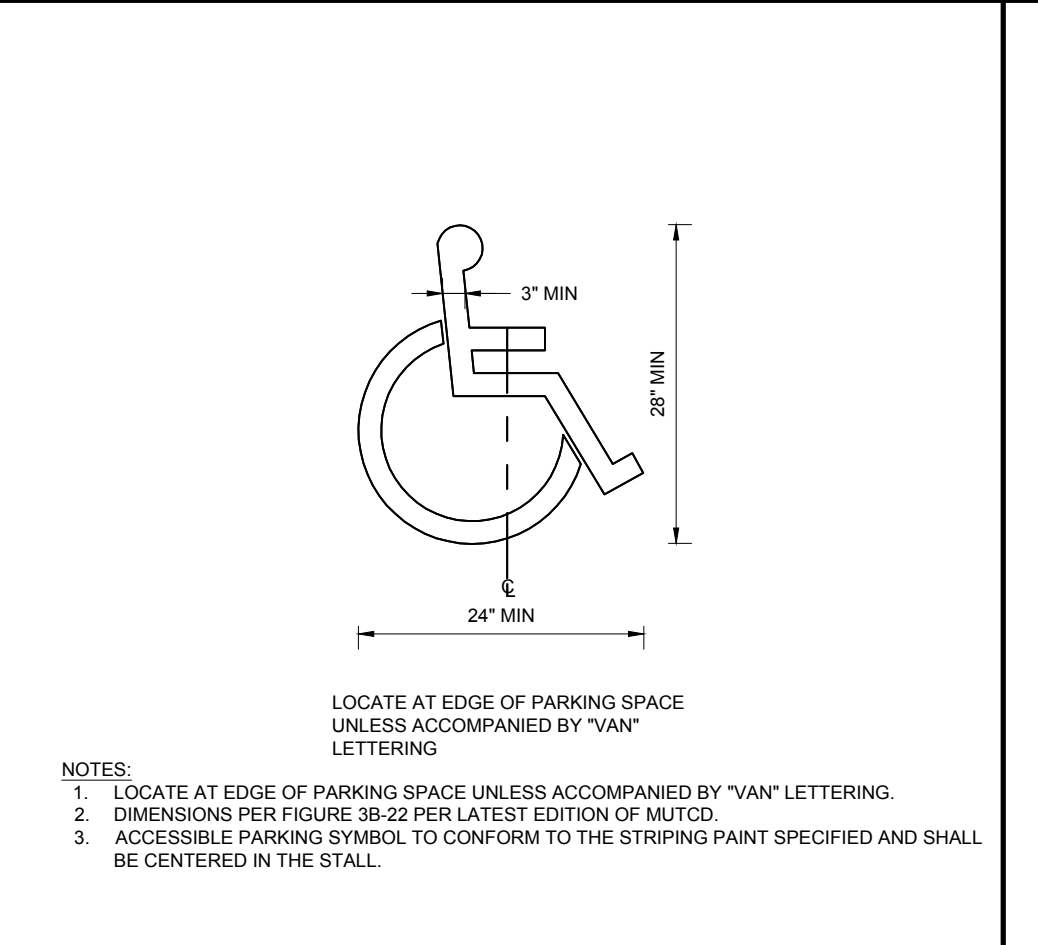
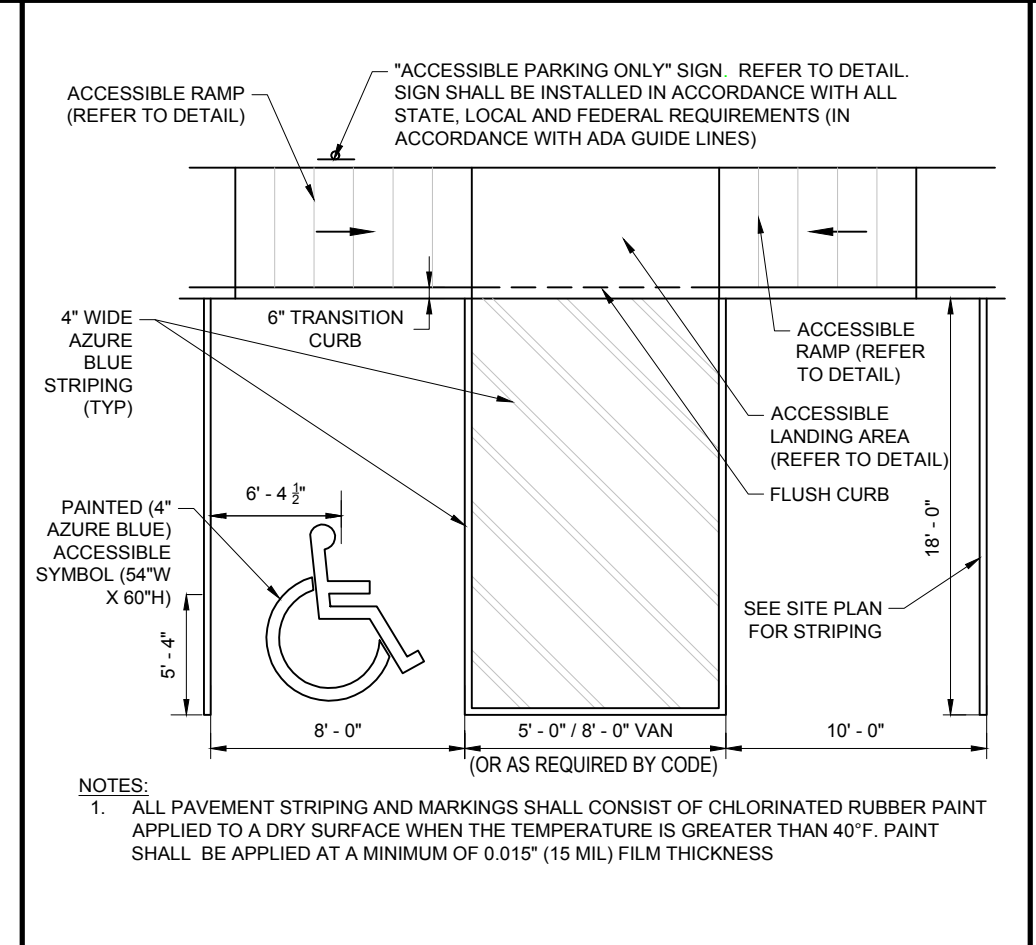
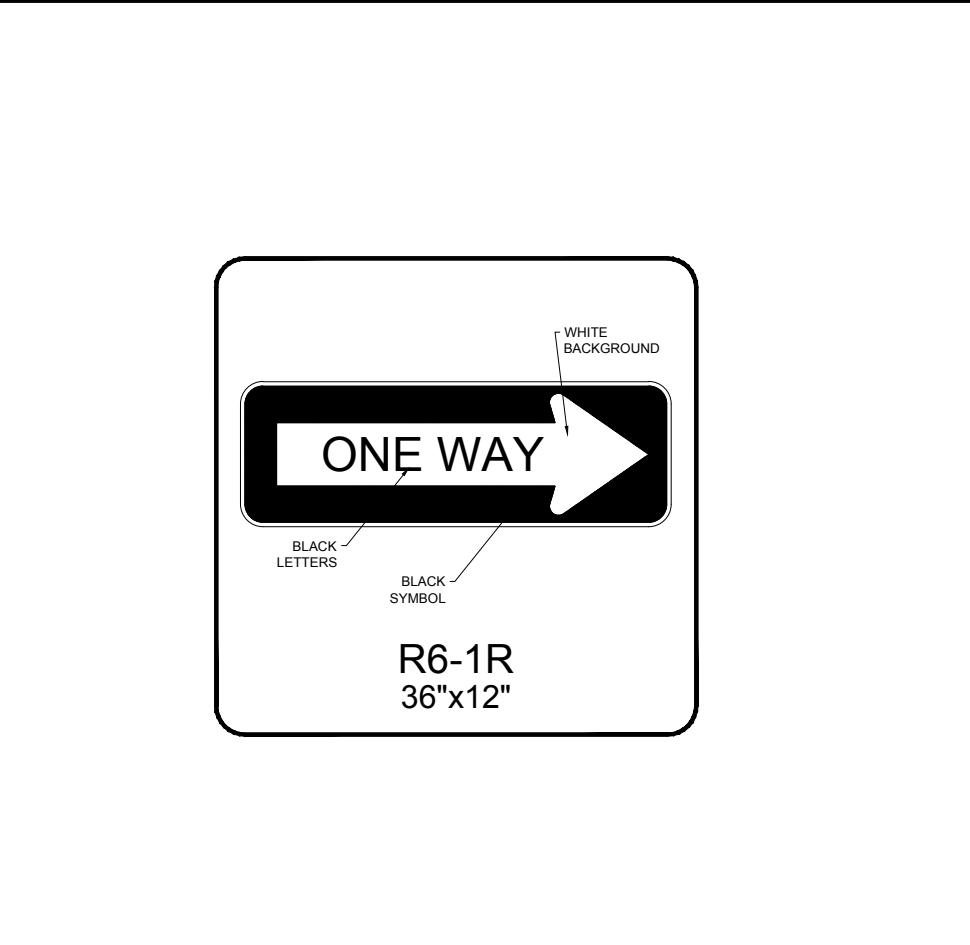
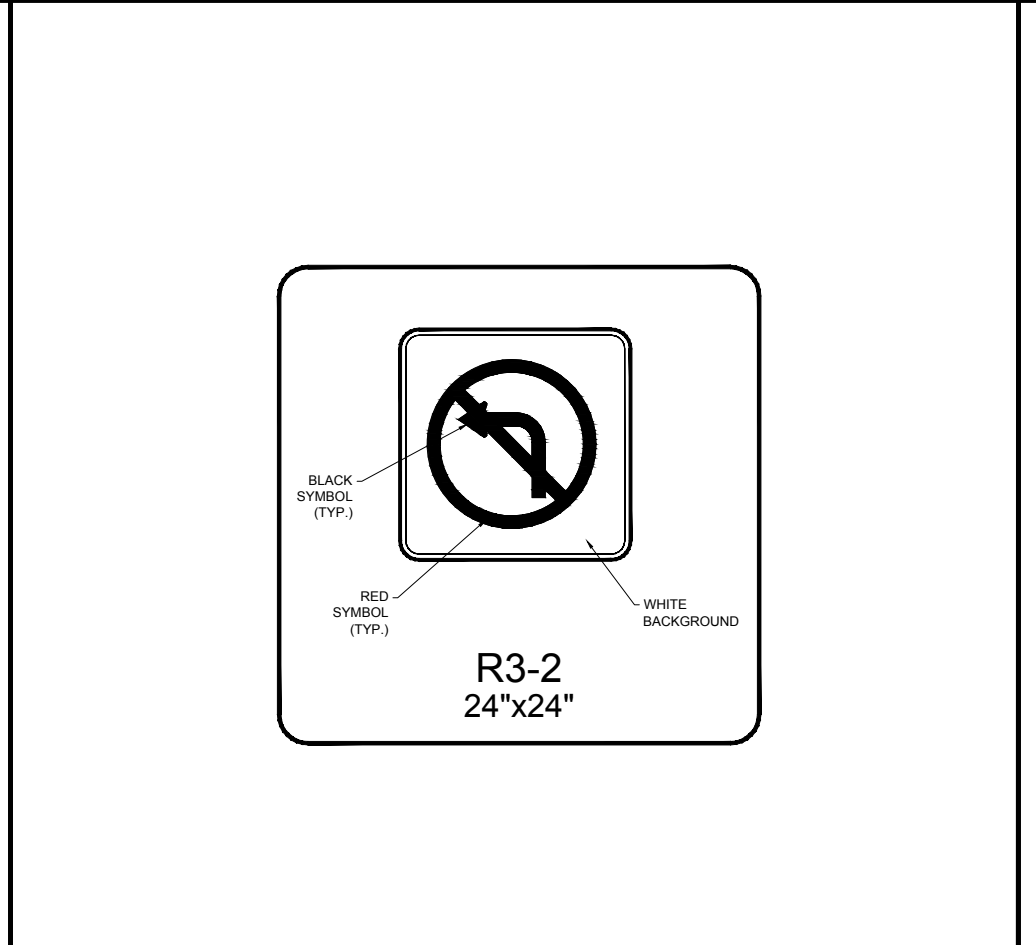
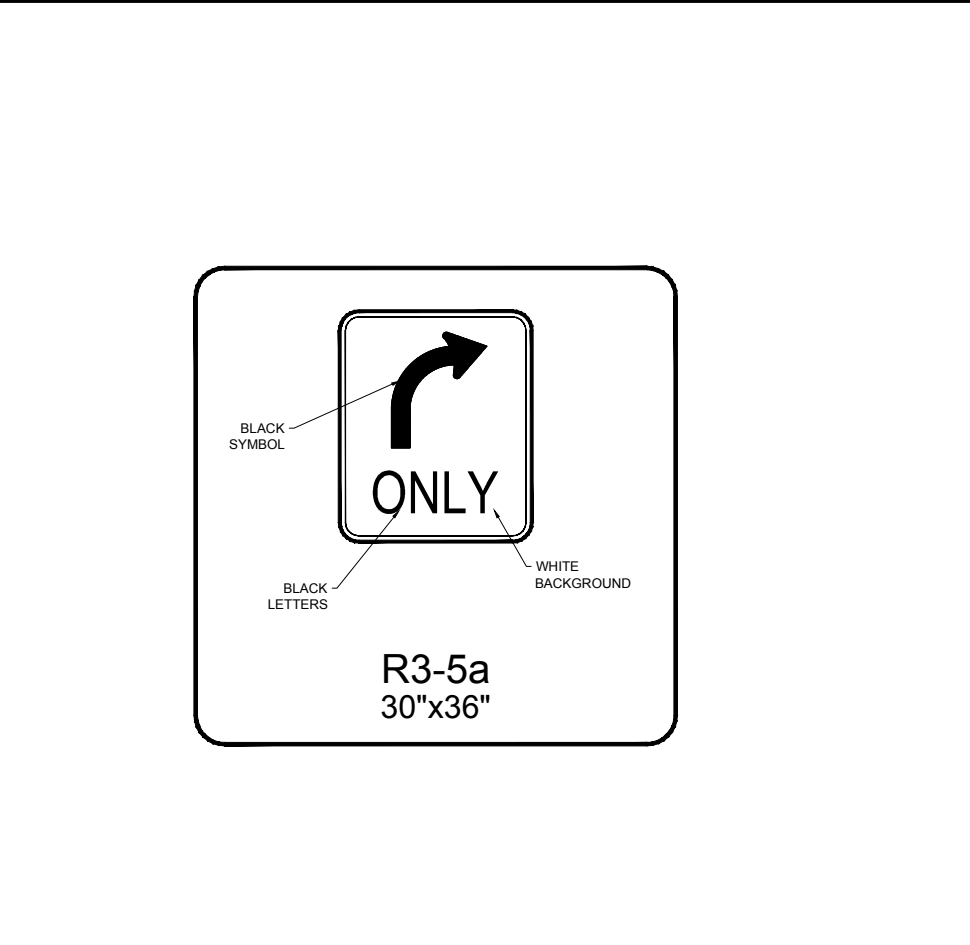
ACCESSIBLE RAMP TYPE A
NOT TO SCALE (NE-S030204 - 10/2024)

ACCESSIBLE RAMP TYPE B
NOT TO SCALE (NE-S030205 - 10/2024)

ACCESSIBLE RAMP TYPE C
NOT TO SCALE (NE-S030206 - 10/2024)

CONCRETE PAD
NOT TO SCALE (NE-S010701 - 09/2023)

BOLLARD
NOT TO SCALE (NE-S070101 - 09/2023)



RIGHT TURN ONLY SIGN
NOT TO SCALE (NE-S060202 - 09/2023)

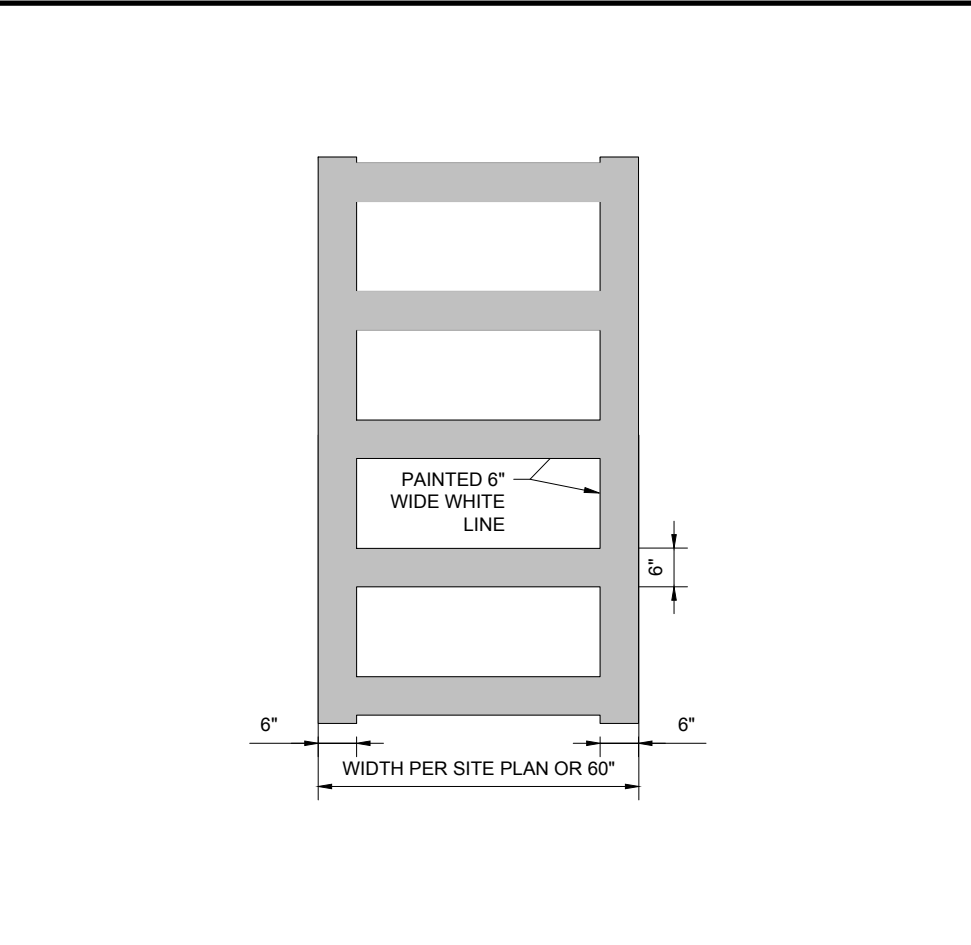
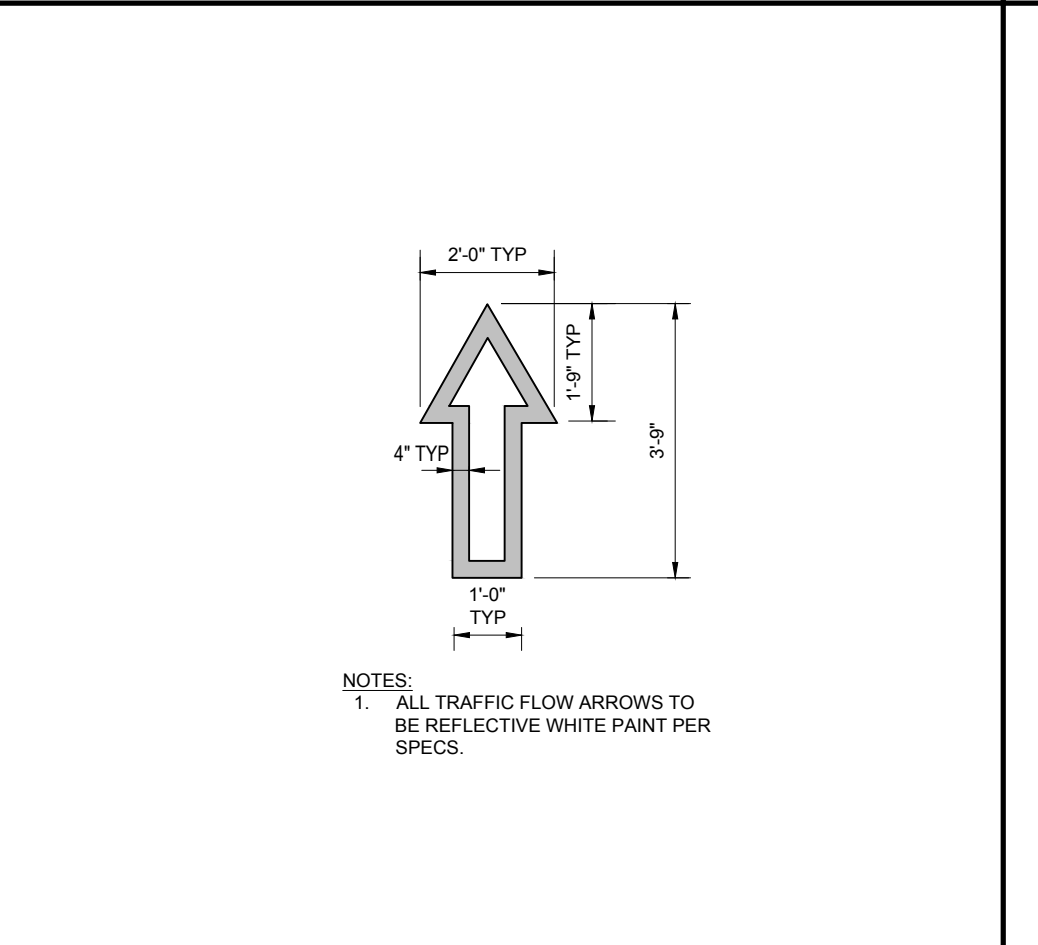
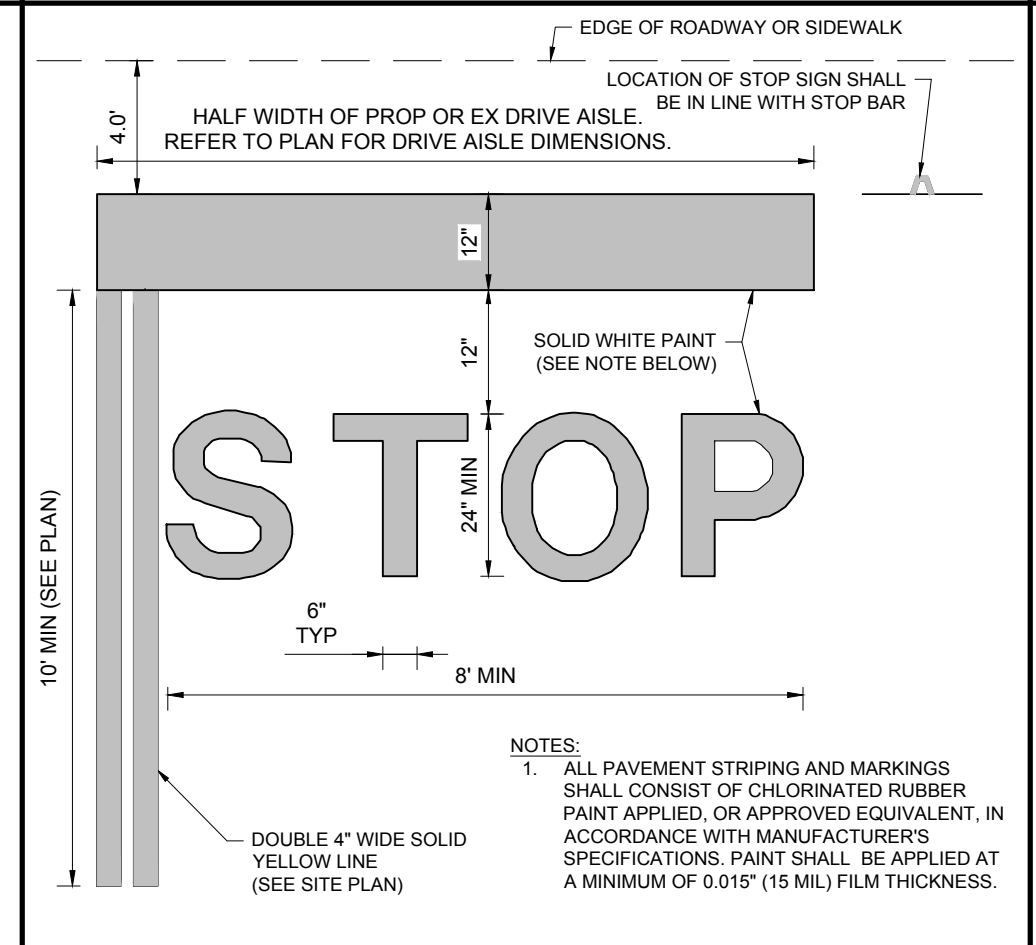
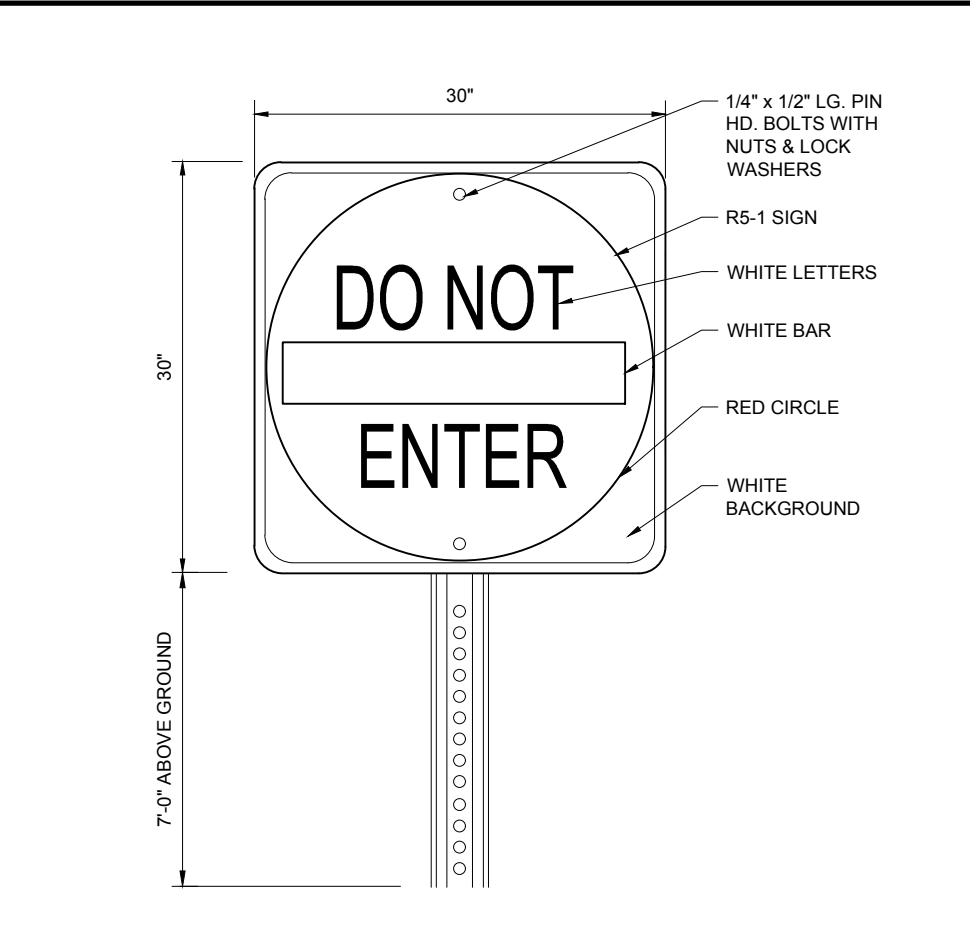
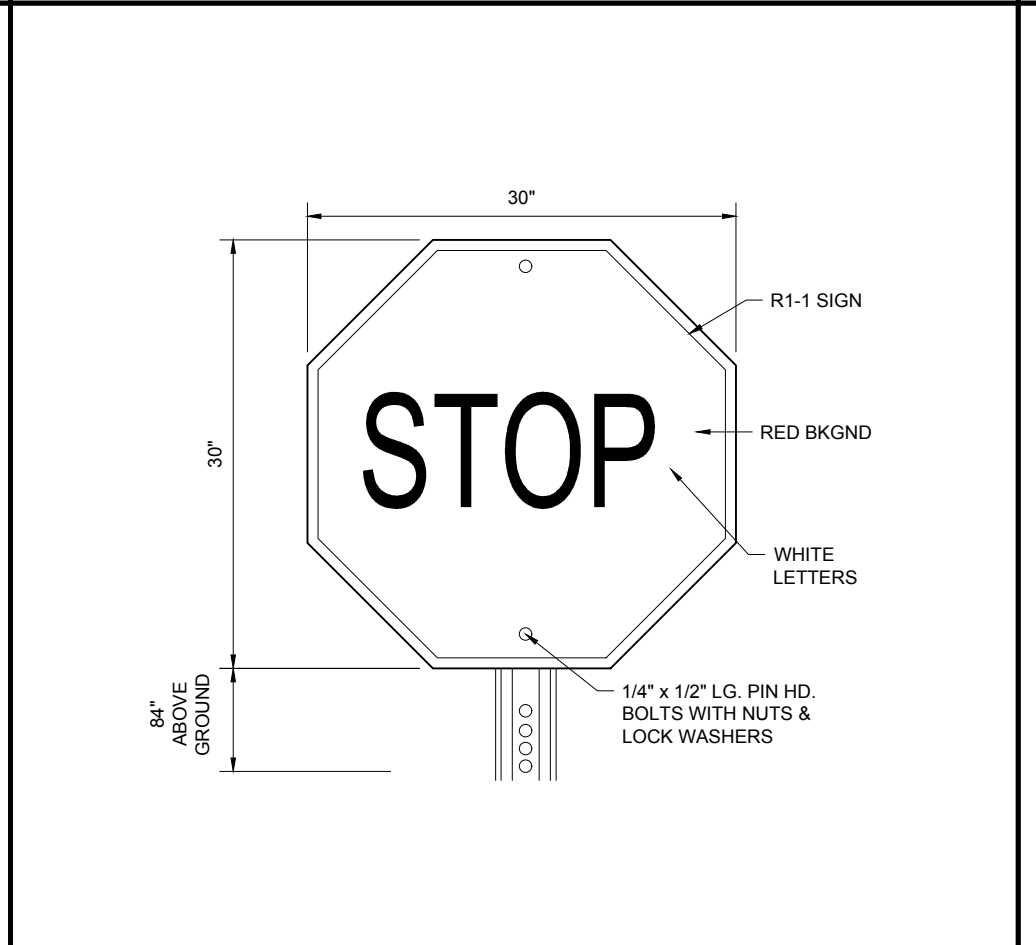
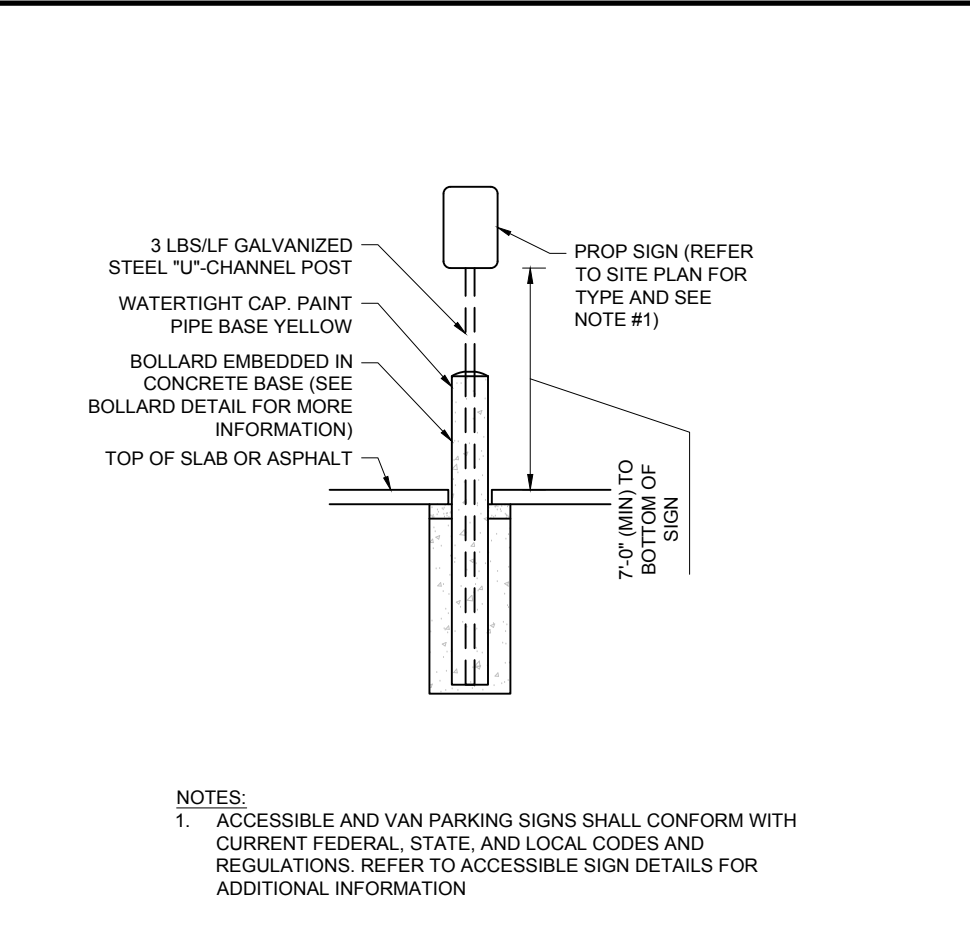
NO LEFT TURN SIGN
NOT TO SCALE (NE-S060202 - 09/2023)

ONE WAY SIGN
NOT TO SCALE (NE-S060202 - 09/2023)

ACCESSIBLE PARKING STALL
NOT TO SCALE (NE-S050101 - 10/2024)

ACCESSIBLE PARKING SYMBOL
NOT TO SCALE (NE-S050102 - 10/2024)

ACCESSIBLE PARKING SIGNS
NOT TO SCALE (NE-S060101 - 10/2024)



SIGN IN BOLLARD
NOT TO SCALE (NE-S060201 - 12/2024)

STOP SIGN
NOT TO SCALE (NE-S060202 - 09/2023)

DO NOT ENTER SIGN
NOT TO SCALE (NE-S060203 - 09/2023)

STOP BAR
NOT TO SCALE (NE-S050301 - 12/2024)

TRAFFIC FLOW ARROW
NOT TO SCALE (NE-S050302 - 10/2024)

CROSSWALK LADDER
NOT TO SCALE (NE-S050401 - 07/2024)

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

| REVISIONS | | | | |
|-----------|------------|------------------------------|-----|------------|
| REV | DATE | COMMENT | BY | CHECKED BY |
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | JAK |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/25/2025
CAD ID: P-CIVL-CNDS

PRELIMINARY SITE DEVELOPMENT PLANS
FOR
SLV ASHLAND, LLC

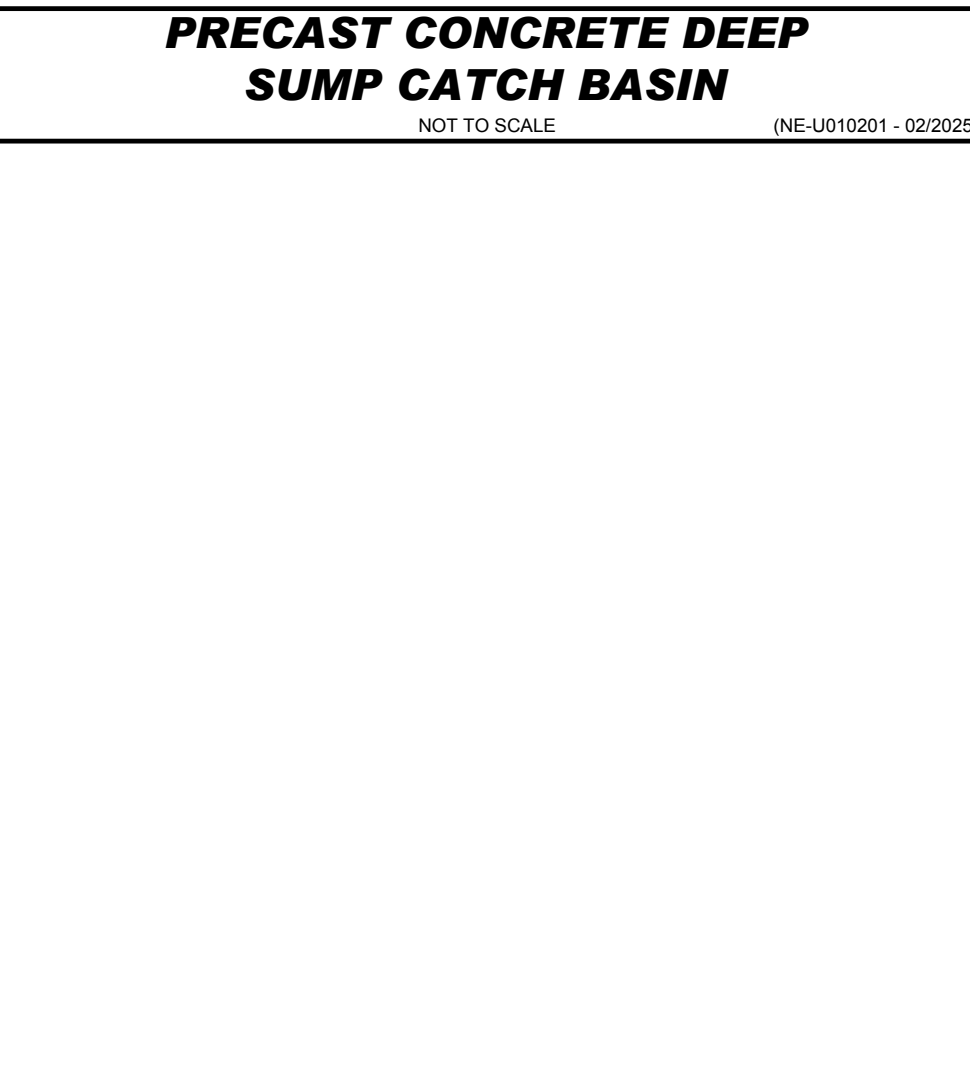
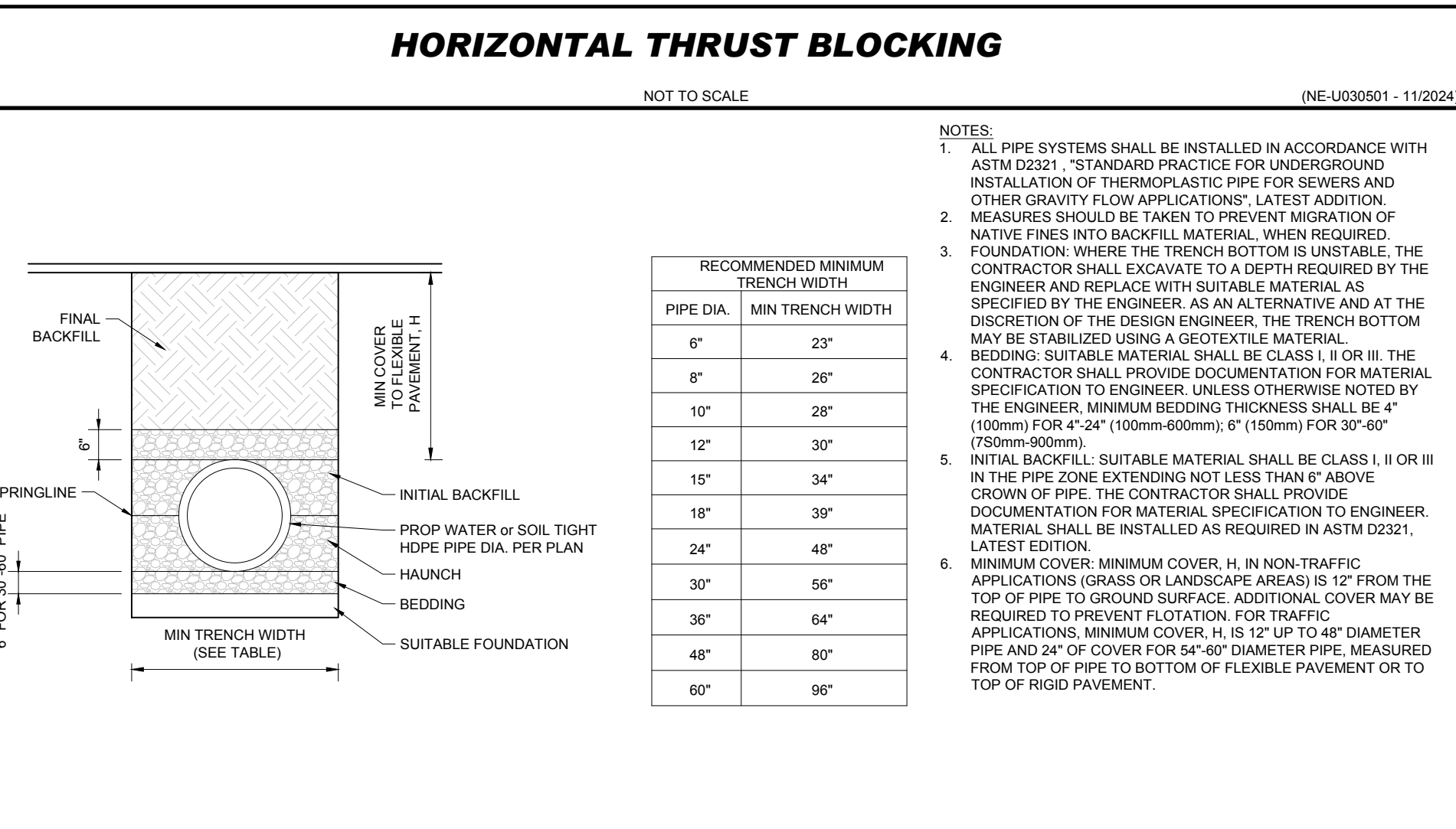
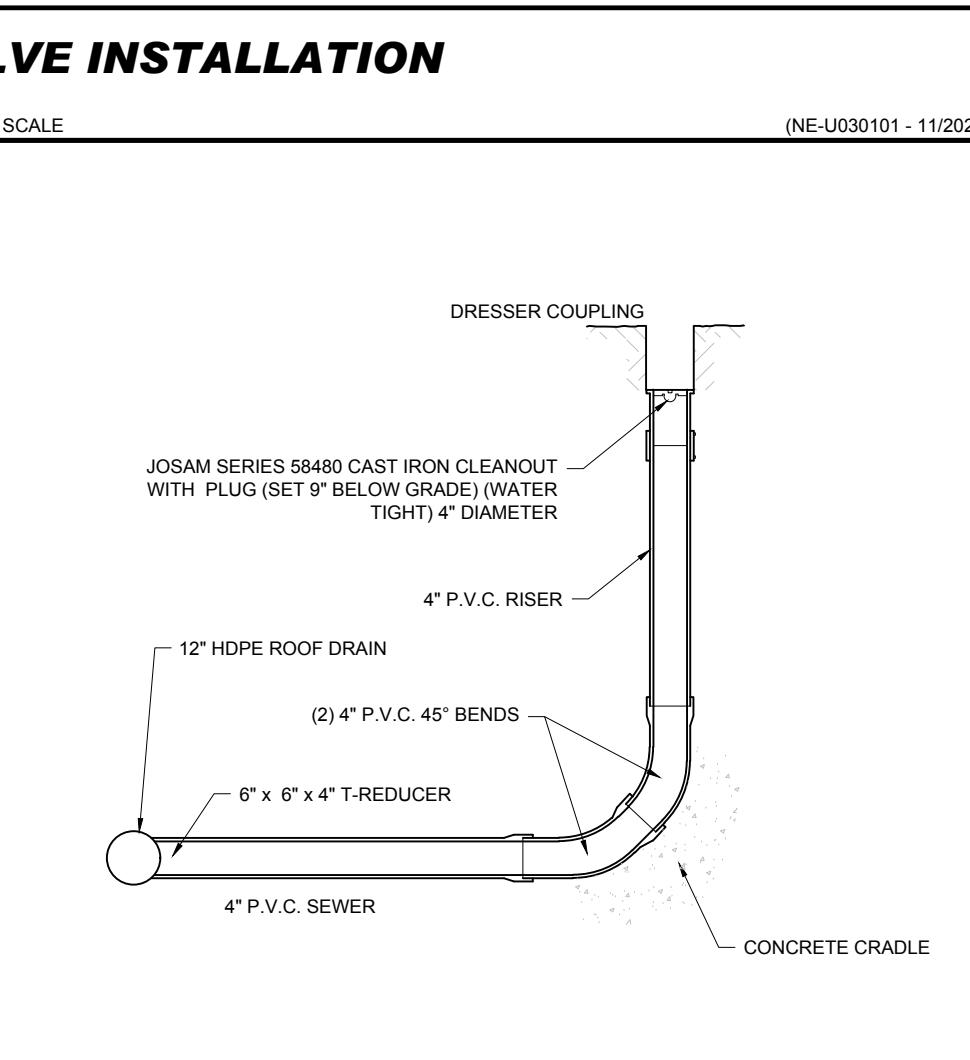
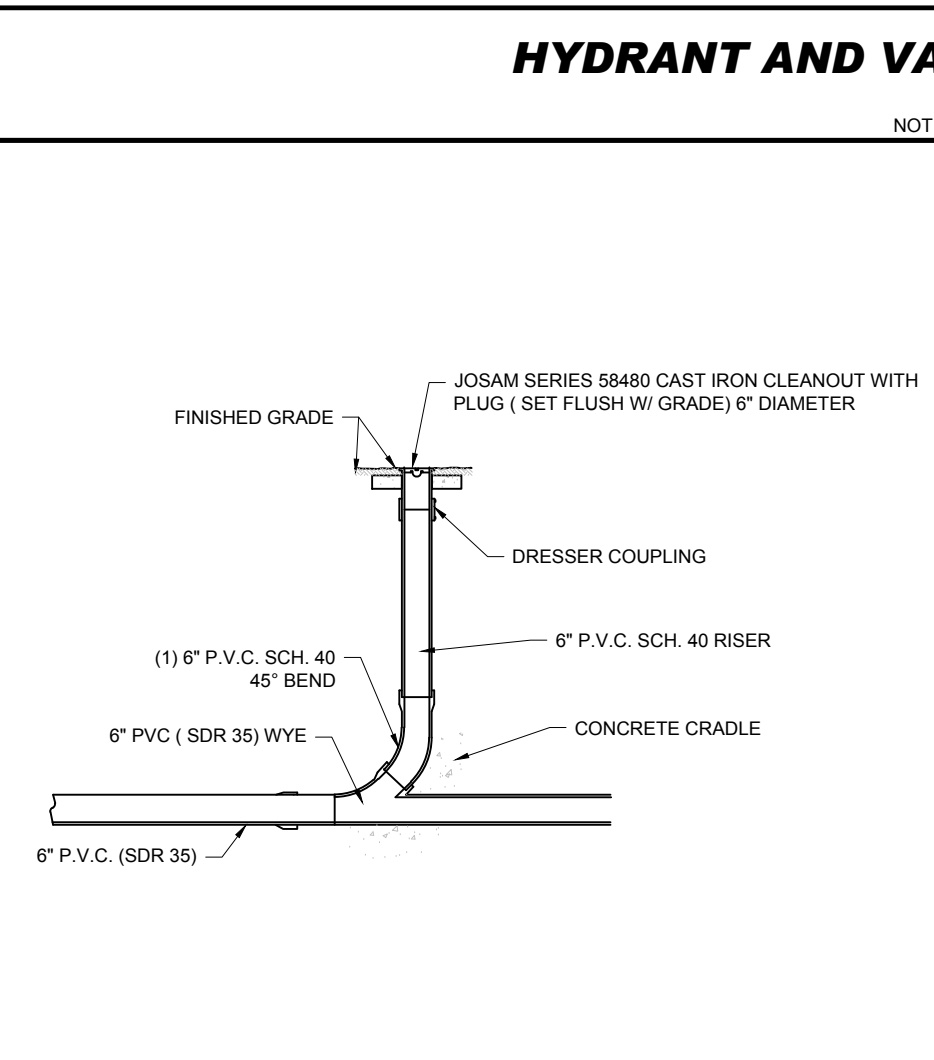
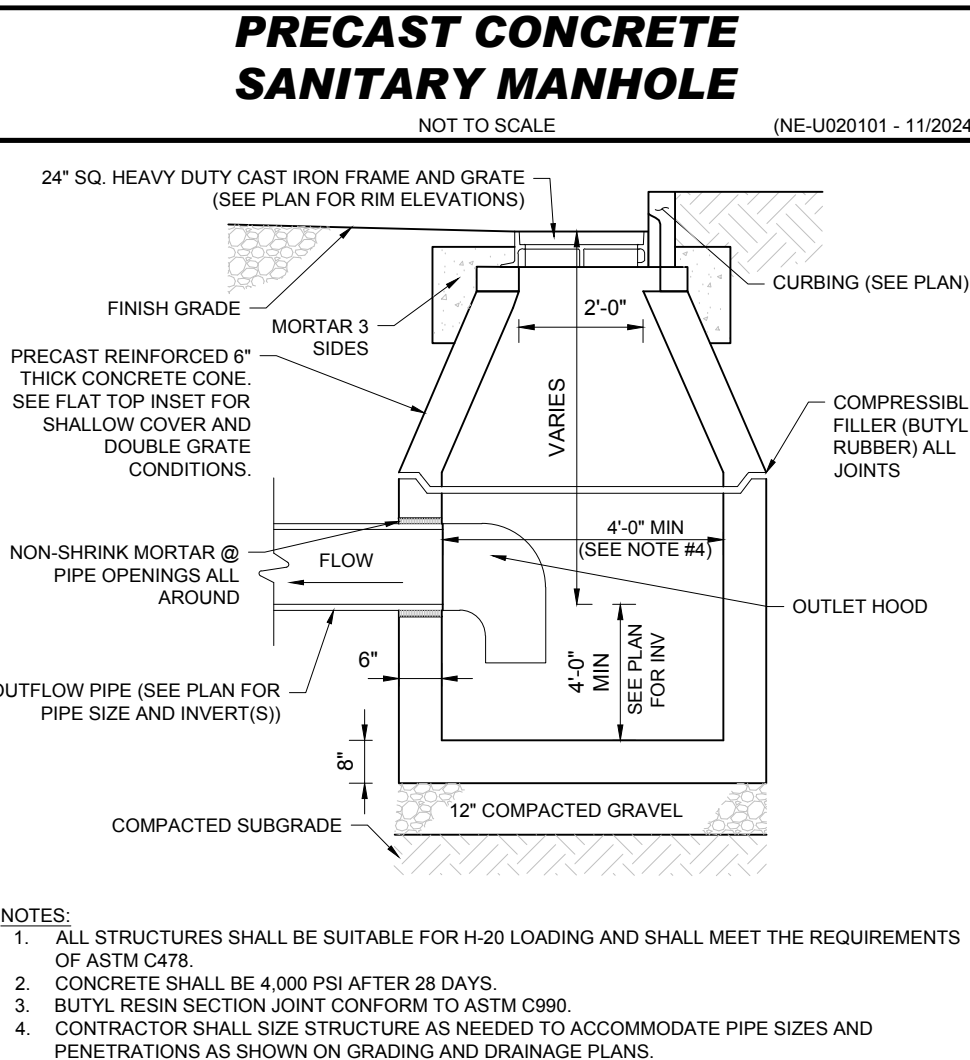
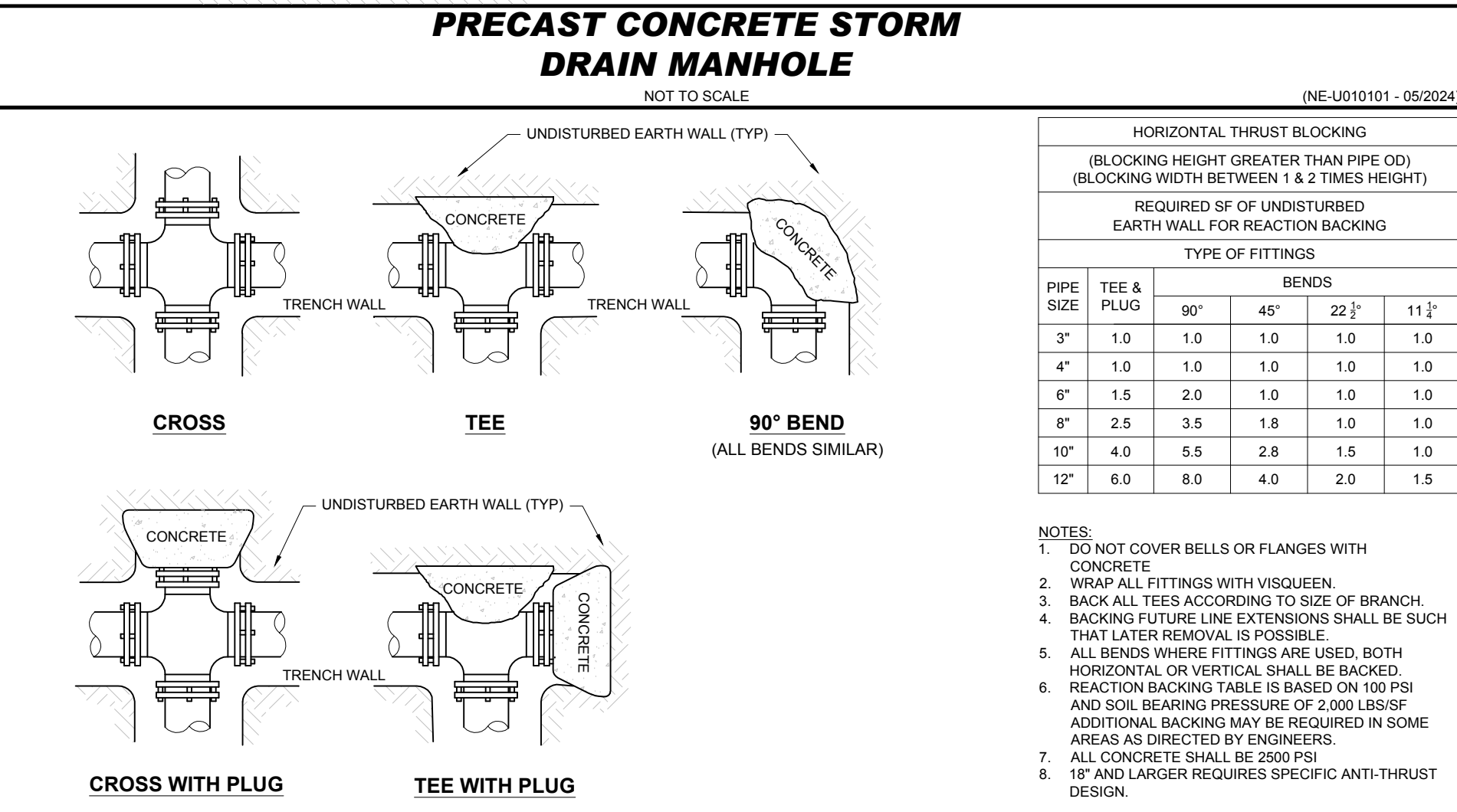
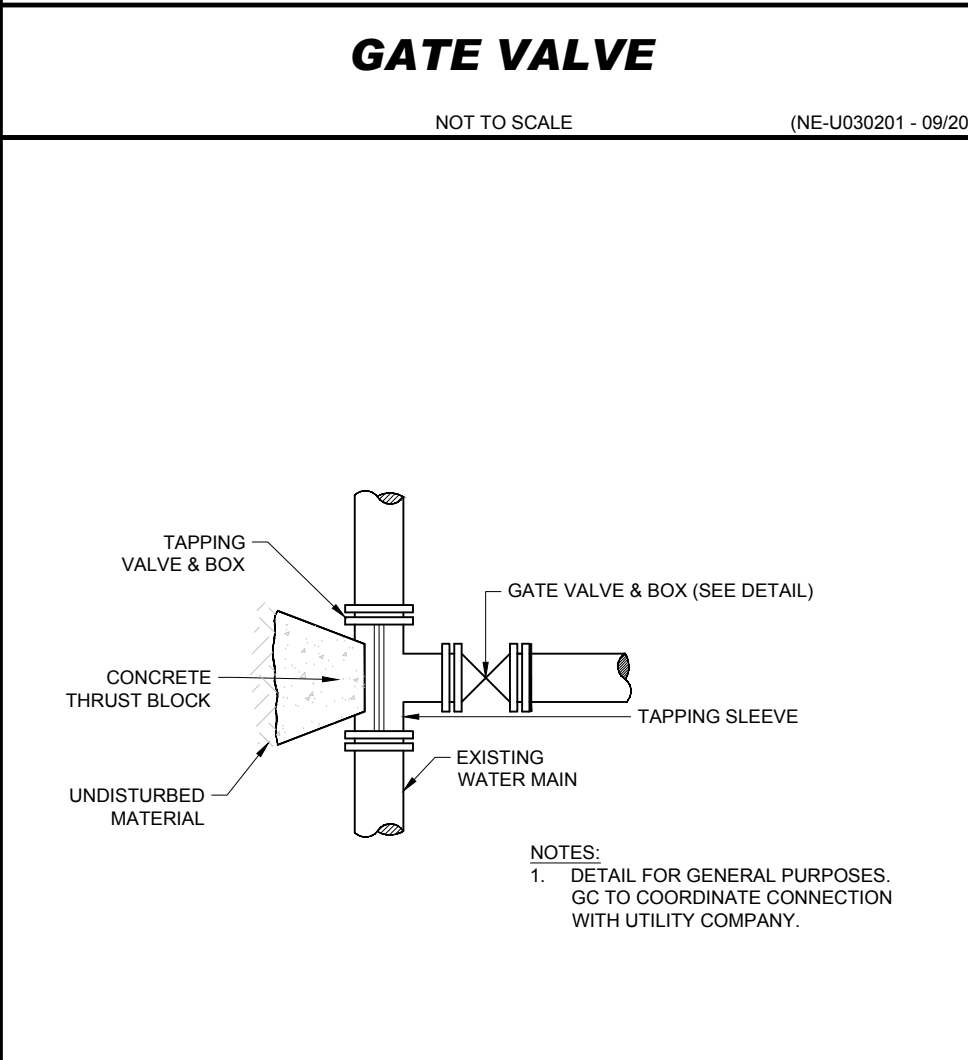
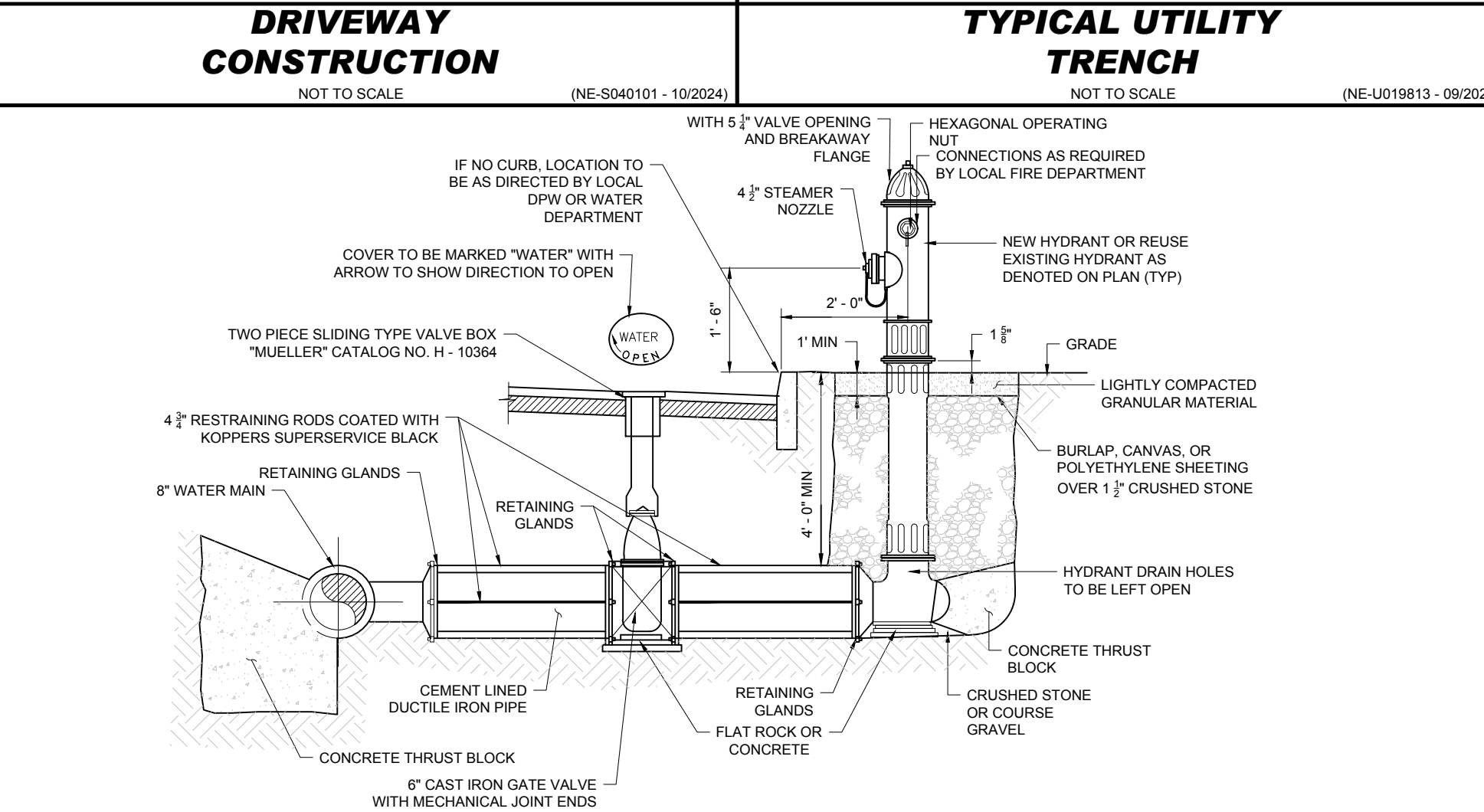
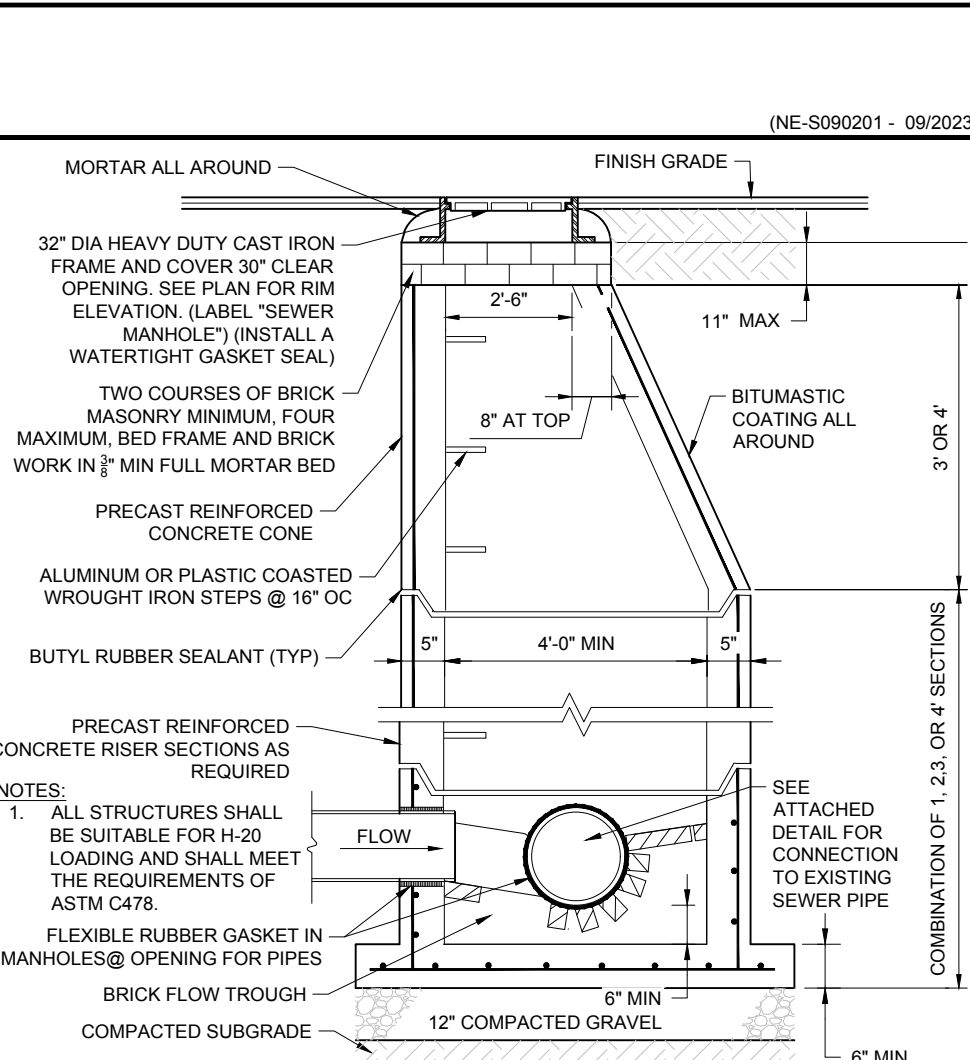
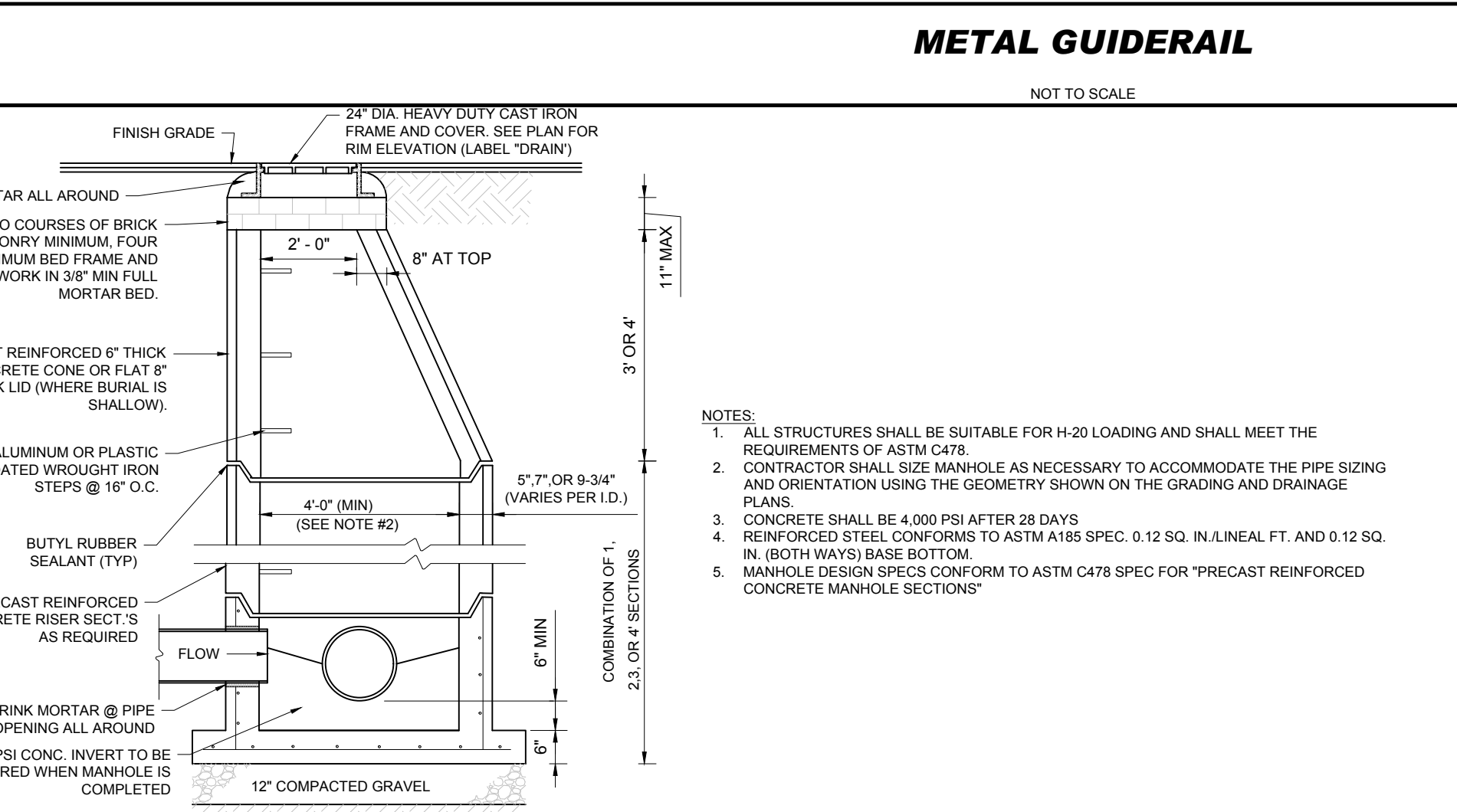
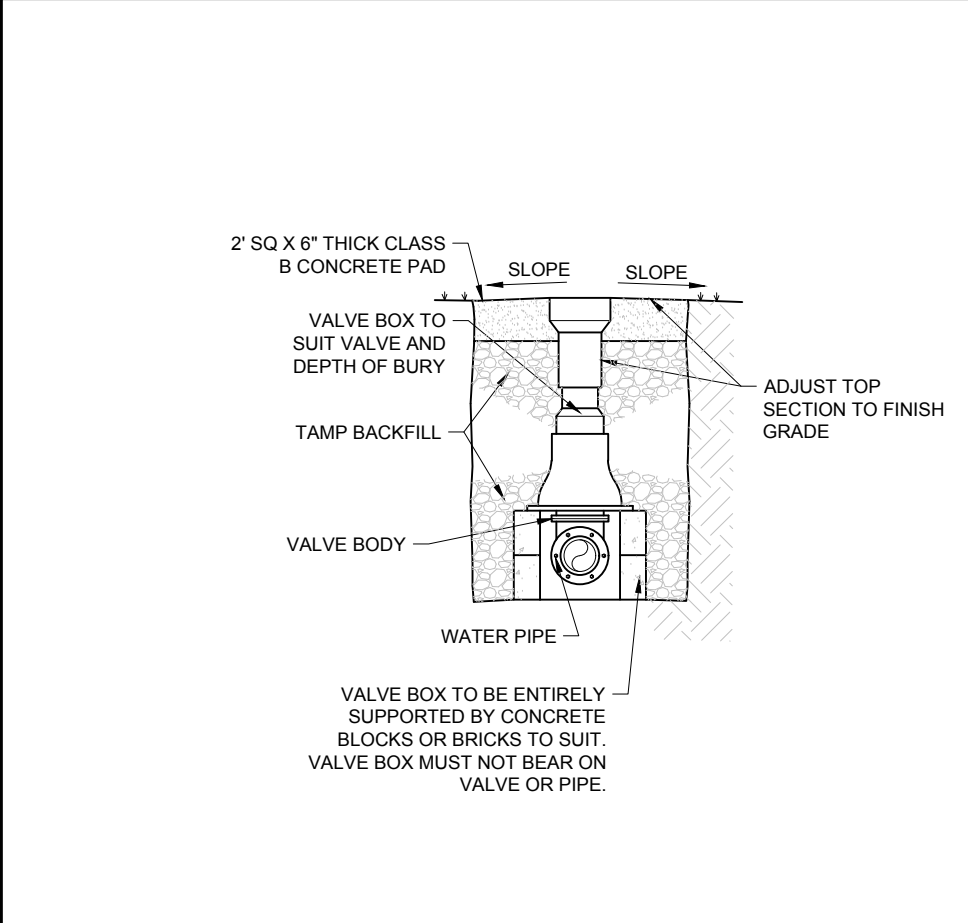
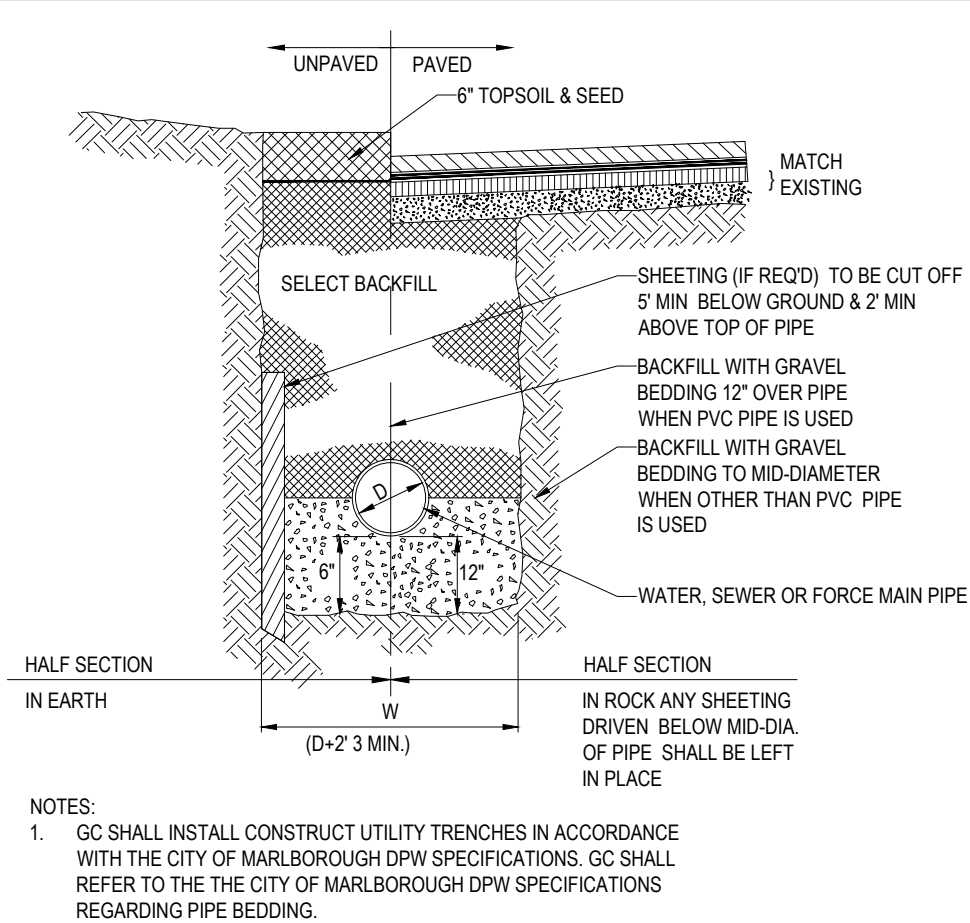
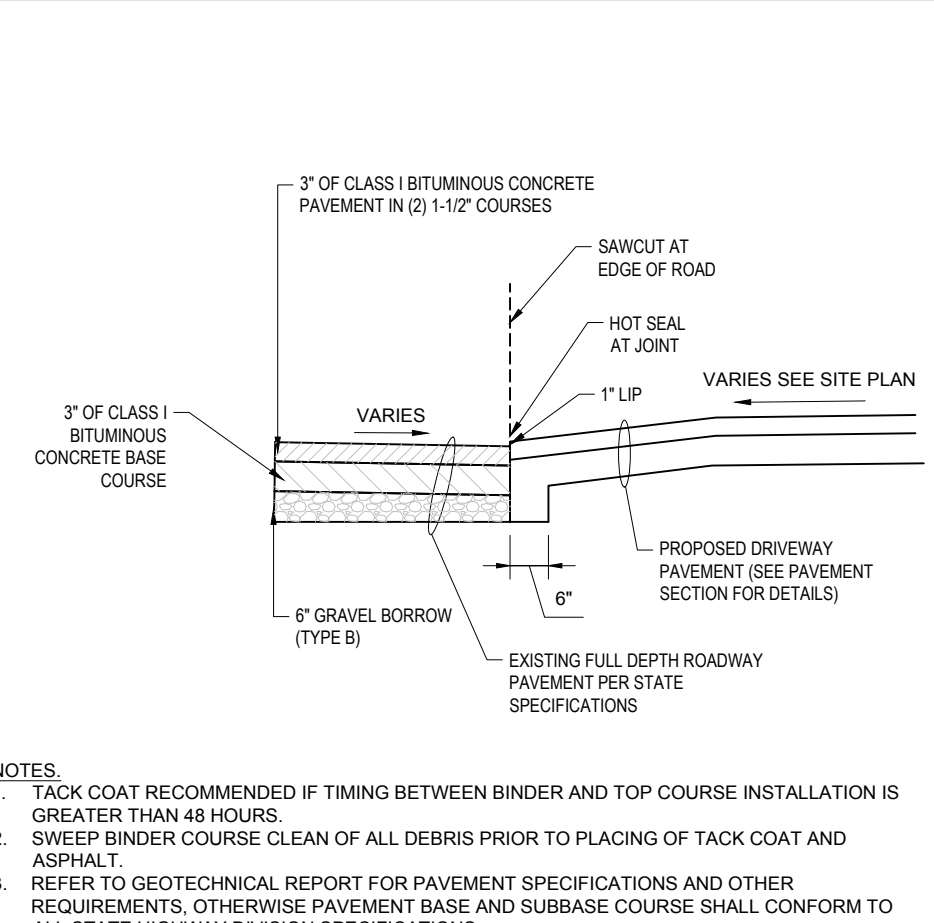
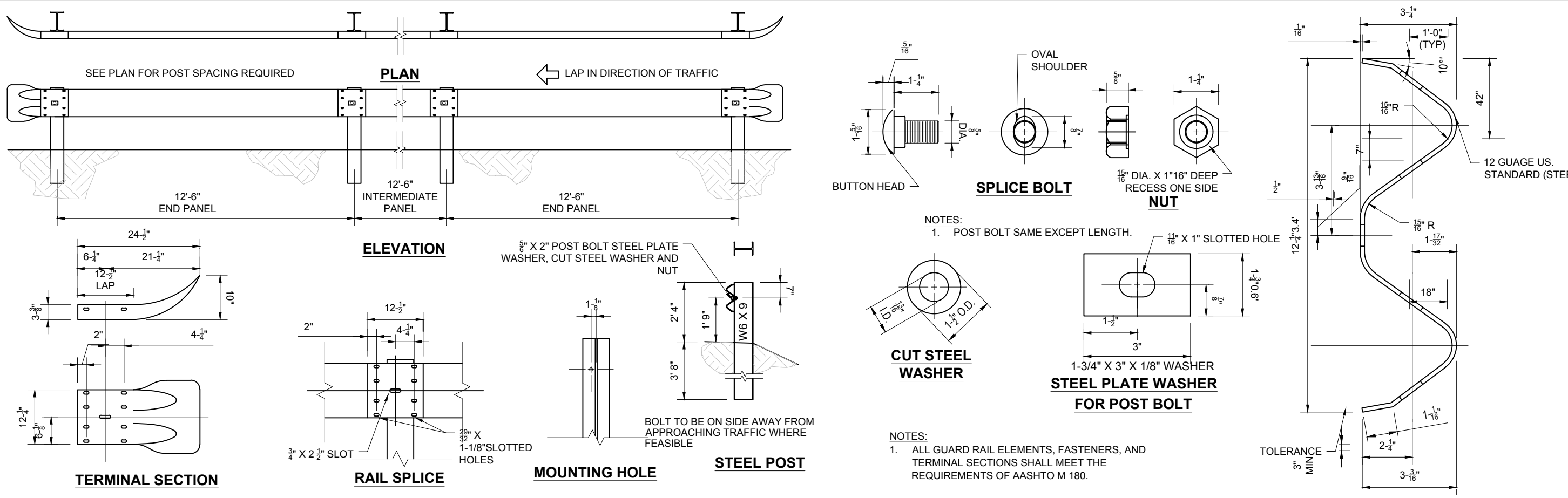
PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

J.A. KUCICH
Professional Engineer
MASSACHUSETTS REG. NO. 15130
NEW HAMPSHIRE REG. NO. 15476
CONNECTICUT REG. NO. 15476
RHODE ISLAND REG. NO. 9518
MAINE LICENSE NO. 12554

SHEET TITLE:
CONSTRUCTION DETAILS
SHEET NUMBER:
C-901
REVISION 6 - 04/29/2025

I:\BOHLER\NET\SHARES\MAA\PROJECTS\2023\2023-MAA230359-00-6A\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLAN\SP-CIVL-CNDS-MAA230359-00-6A-LAYOUT-C-901.BET



BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | CHECKED BY | DRAWN BY |
|-----|------------|------------------------------|------------|----------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | JAK | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | JAK | LEC |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | JAK | EKR |
| 5 | 03/19/2025 | REV'S TO DRIVEWAY & GARAGE | JAK | EKR |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
Know what's below. Call before you dig. ALWAYS CALL 811. It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/25/2025
CAD ID: P-CIVL-CND5

PRELIMINARY SITE DEVELOPMENT PLANS

FOR

SLV ASHLAND, LLC

PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"

MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

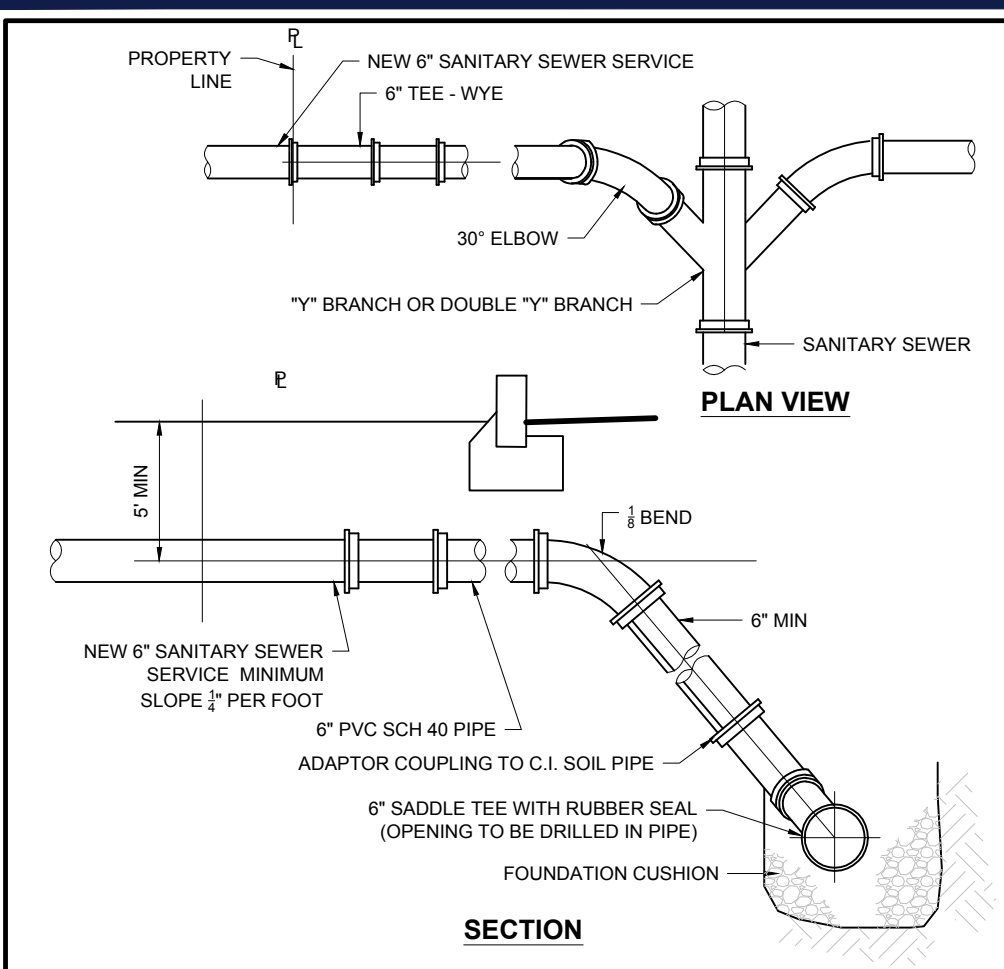
John Kucich
PROFESSIONAL ENGINEER
MASSACHUSETTS REG. NO. 10130
NEW HAMPSHIRE REG. NO. 15476
CONNECTICUT REG. NO. 15176
RHODE ISLAND REG. NO. 9516
MAINE LICENSE NO. 1255

SHEET TITLE:
CONSTRUCTION DETAILS

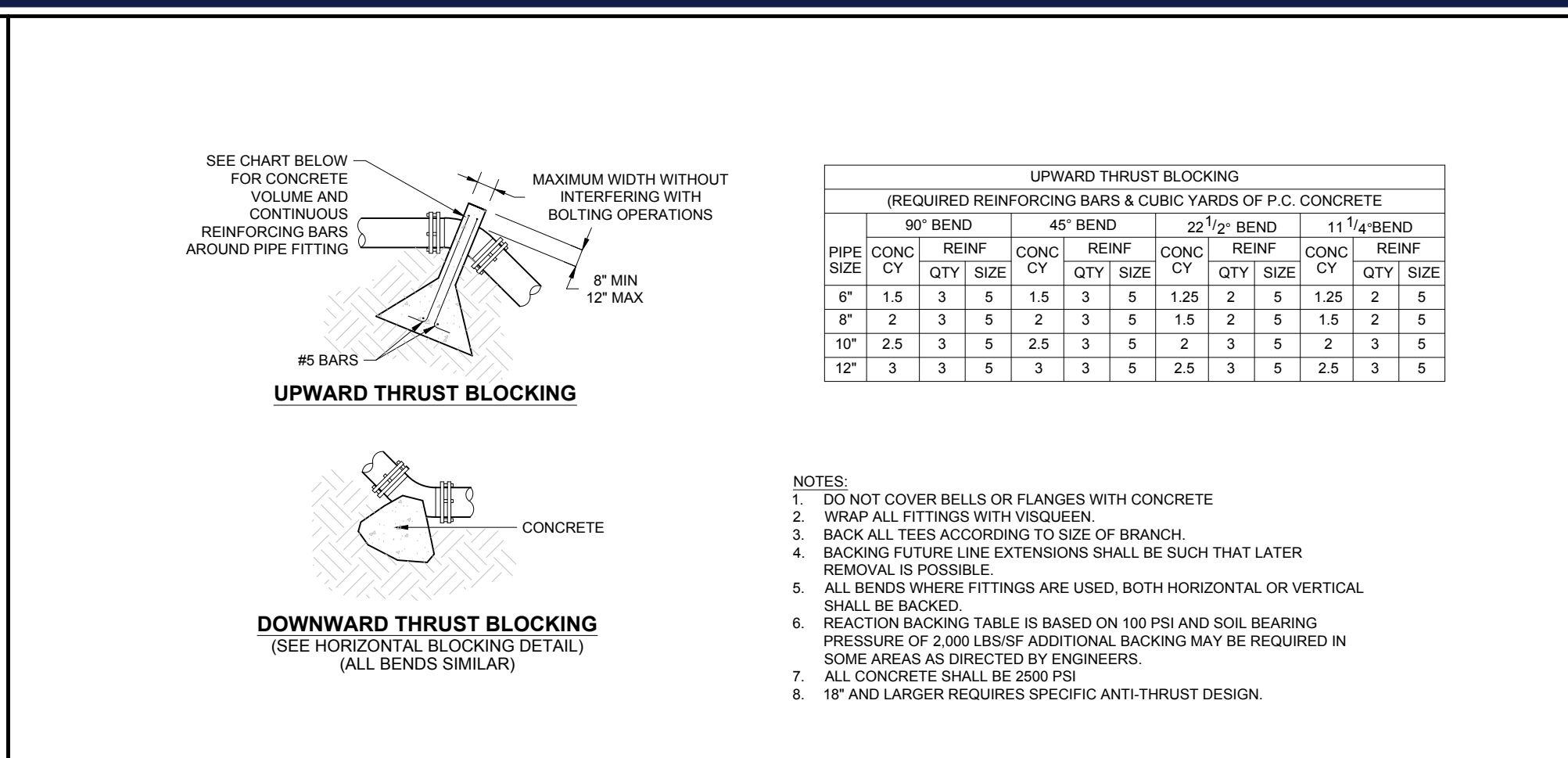
SHEET NUMBER:
C-902

REVISION 6 - 04/29/2025

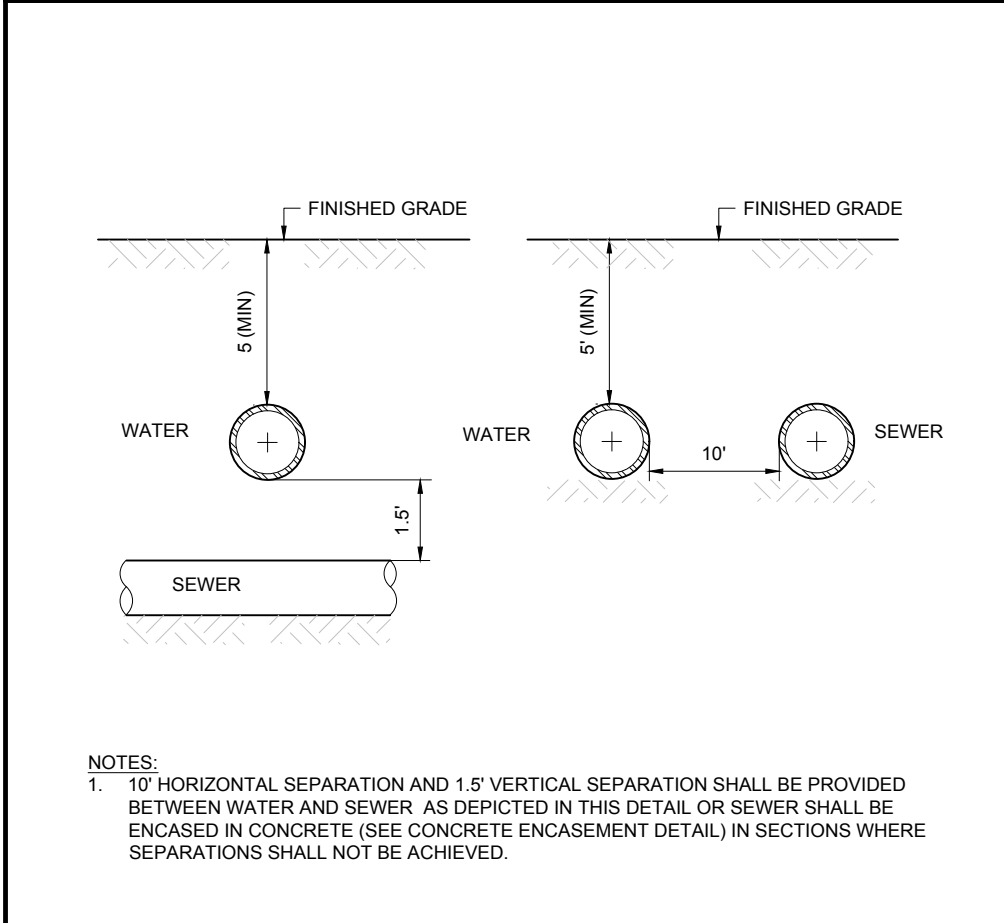
I:\BOHLER\NET\SHARES\BMA\PROJECTS\2023\MAA230359-00-6A\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\CIVIL_CND5_MAA230359-00-6A-LAYOUT_C-902.BETL



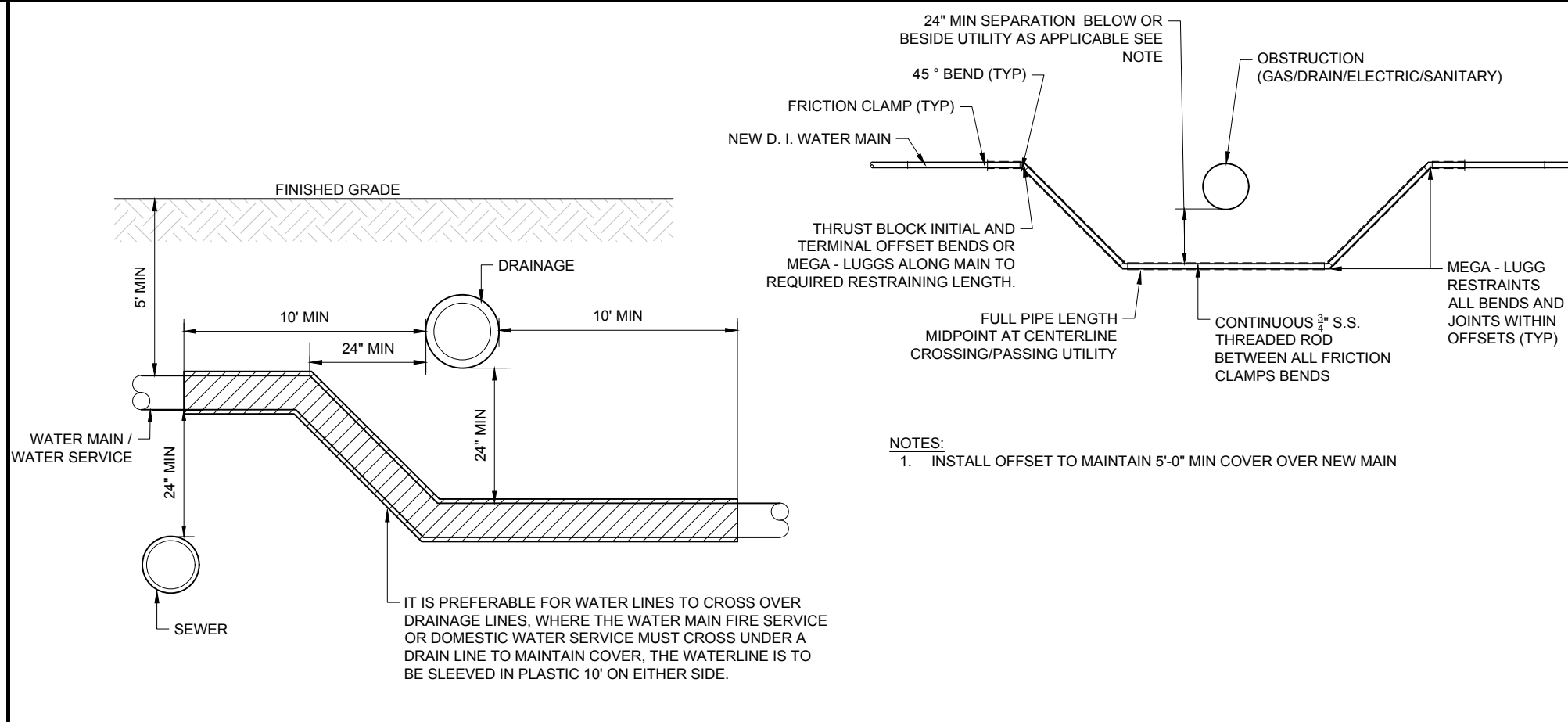
SANITARY MAIN CONNECTION
NOT TO SCALE (NE-U020401 - 09/2023)



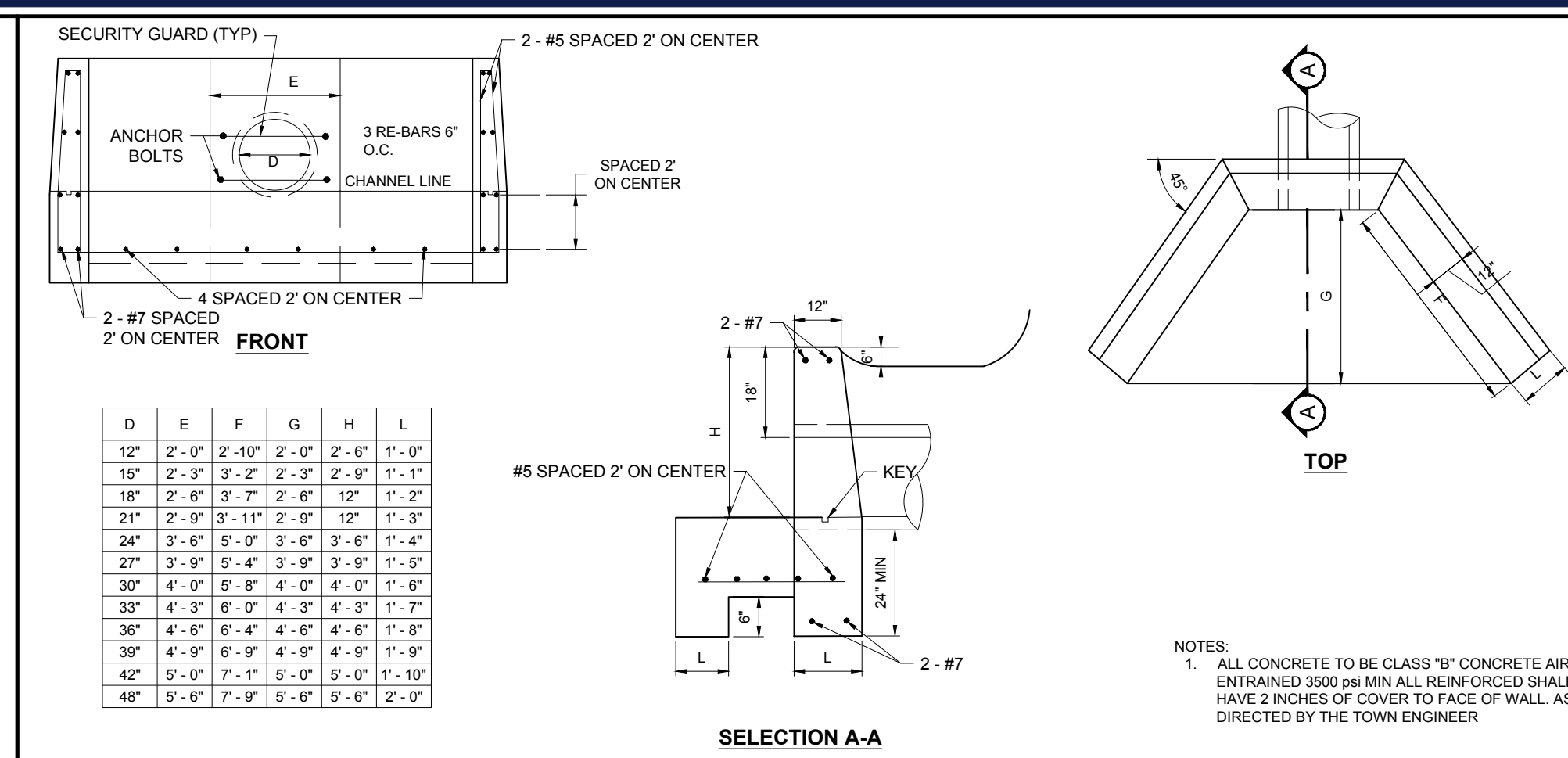
VERTICAL THRUST BLOCKING
NOT TO SCALE (NE-U030502 - 11/2024)



WATER AND SEWER UTILITY CROSSING
NOT TO SCALE (NE-U050101 - 09/2023)



WATER SERVICE OR MAIN AT UTILITY CROSSING
NOT TO SCALE (NE-U050102 - 09/2023)



HEADWALL
NOT TO SCALE (NE-U010404 - 09/2023)

NOTES REGARDING DETAILS BY OTHERS:
1. DETAILS PREPARED BY OTHERS ARE IDENTIFIED AS SUCH BY WAY OF A TITLE BLOCK, REFERENCE, LOGO, OR OTHER NOTATION.
2. WHERE AN ORIGINAL DETAIL BY OTHERS HAS BEEN MODIFIED, THE MODIFICATIONS ARE IDENTIFIED BY REVISION CLOUDS.
3. REFER TO OUTSIDE SOURCE NOTES ON THE GENERAL NOTES AND LEGEND SHEET.
4. WHEN THE SOURCE OF THE DETAIL IS A REVIEWING/REGULATORY AGENCY, FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS AND SPECIFICATIONS. WHEN APPROPRIATE, SHOP DRAWINGS SHALL BE FORWARDED TO THE REVIEWING/REGULATORY AGENCY PRIOR TO FABRICATION.

DETAILS BY OTHERS DISCLAIMER

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | DRAWN BY | CHECKED BY |
|-----|------------|------------------------------|----------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG | JAK |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

PROJECT No.: MAA230359 00-6A
DRAWN BY: CSE
DATE: 02/25/2025
CAD LD.: P-CIVL-CNDS

PRELIMINARY SITE DEVELOPMENT PLANS
FOR
SLV ASHLAND, LLC
PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

J.A. KUICH
Professional Engineer
MASS. REG. NO. 15476
CONV. REG. NO. 19176
RHODE ISLAND PROFESSIONAL ENGINEER REG. NO. 9616
MAINE LICENSE NO. 12551

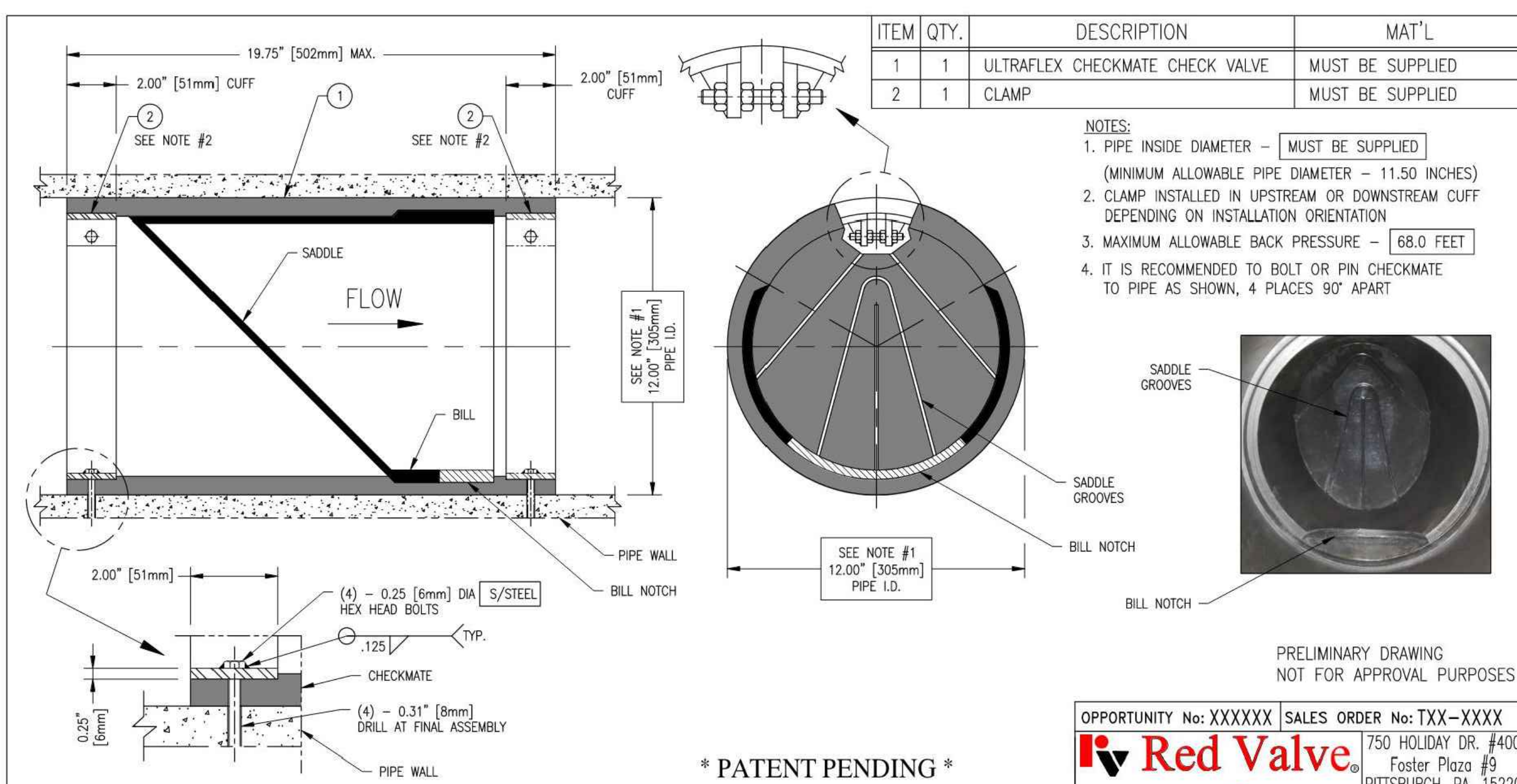
CONSTRUCTION DETAILS
SHEET NUMBER: **C-903**
REVISION 6 - 04/29/2025

CDS1515-3-C DESIGN NOTES

CDS1515-3-C RATED TREATMENT CAPACITY IS 1.0 CFS, OR PER LOCAL REGULATIONS. THE STANDARD CDS1515-3-C CONFIGURATION IS SHOWN.



CONTECH ENGINEERED SOLUTIONS LLC
CDS1515-3-C ONLINE CDS STANDARD DETAIL
8025 Centre Pointe Dr., Suite 400, West Chester, OH 45399
800.338.1122 513.945.7000 513.645.7993 FAX



Red Valve
750 HOLIDAY DR. #400
Foster Plaza #9
PITTSBURGH, PA 15220
412.279.0044
REDVALVE.com

Tideflex
TT PRODUCT: 12" ULTRAFLEX CHECKMATE CHECK VALVE
TT PART No: CMCBUF-120-APPROVAL

DR. BY: TLM DATE: XX-XX-XX CHKD. BY: DATE:
CAD SCALE: FULL DOC No: DWG
PLOT SCALE: 1 = 1 DWG No: TTS-DWG

PROPRIETARY NOTICE
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF THE RED VALVE COMPANY, INC. IT IS LOANED BY RED VALVE COMPANY, INC. SUBJECT TO THE CONDITIONS THAT IT AND THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES. IT SHALL NOT BE USED OR CAUSED TO BE USED IN A WAY PREJUDICIAL TO THE INTERESTS OF THE RED VALVE COMPANY. IT SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE WRITTEN PERMISSION OF THE RED VALVE COMPANY, INC., AND SHALL BE RETURNED UPON REQUEST.

CUSTOMER: XXX
P.O. No: XXX

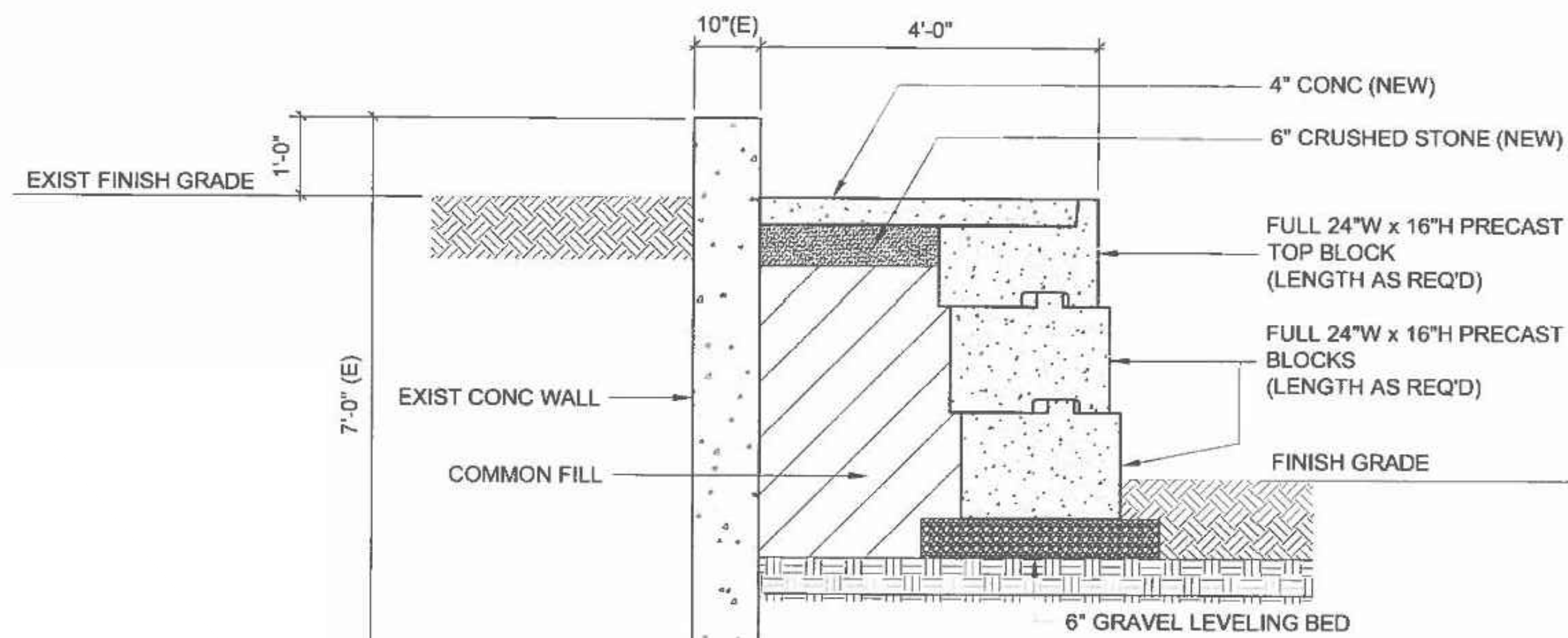
BOHLER ENGINEERING NETISHARE\SMA\PROJ\2023\MAA230359_00\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\CIVIL_CNDS_MAA230359_00-6A-LAYOUT_C-903.DWG

I. STRUCTURAL GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE AND ALL APPLICABLE MASSACHUSETTS 780 CMR REFERENCED AMENDMENTS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND/OR BRACING THE STRUCTURE DURING ALL CONSTRUCTION PHASES. SUBMIT AN OUTLINE OF PROPOSED PROCEDURE TO THE ENGINEER BEFORE CONSTRUCTION COMMENCES.
- PRECAST RETAINING BLOCK WALL SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO DETAIL SHOWN ON THIS DRAWING.

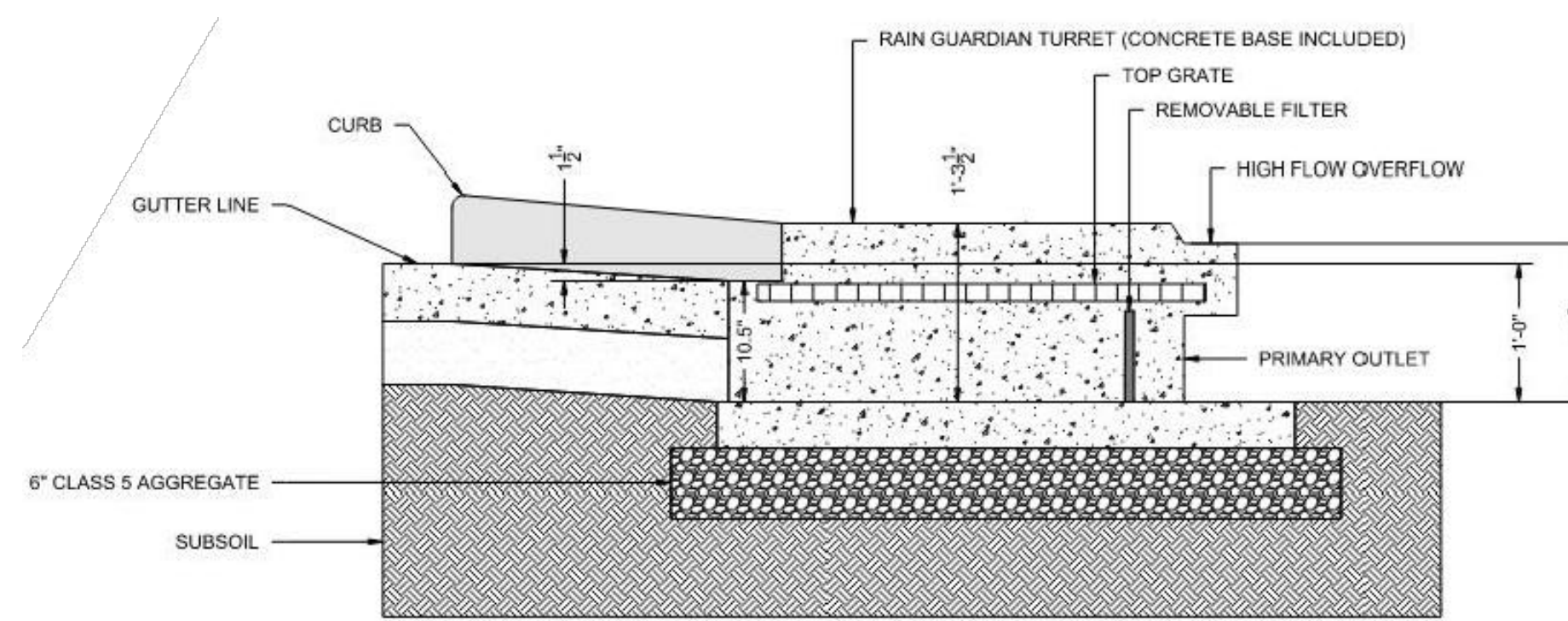
II. CONCRETE

- CONCRETE SHALL HAVE THE FOLLOWING 28 DAY COMPRESSIVE STRENGTH:
 - SLABS.....3000 PSI

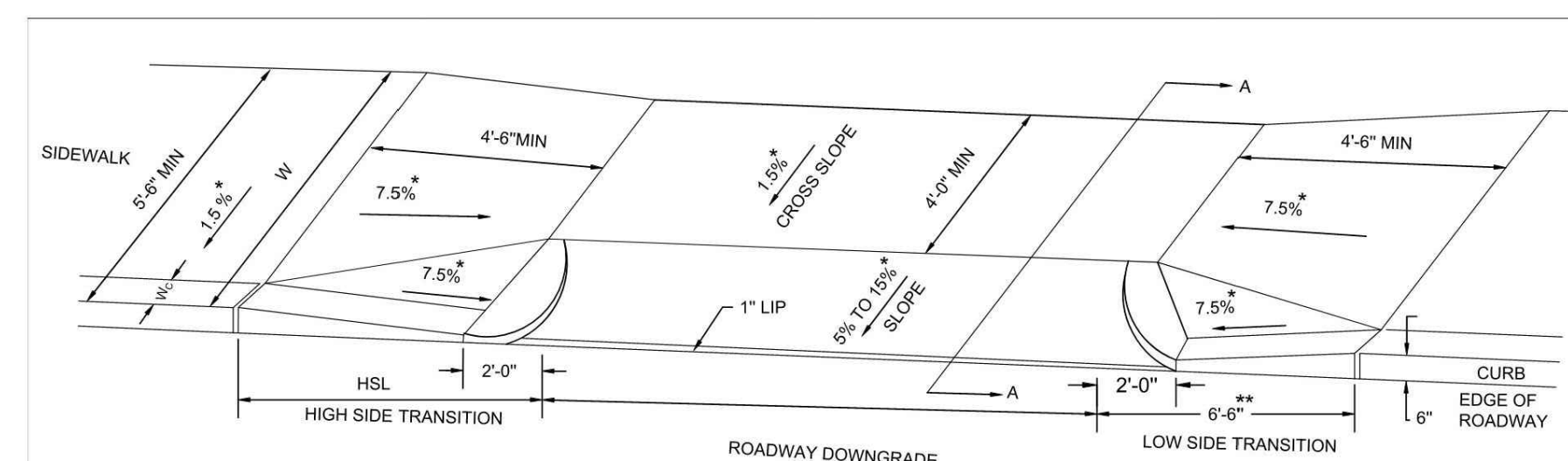


PROPOSED RETAINING WALL
1/2" = 1'-0"

| | | | | |
|--------------|------------------------|--|---|------|
| 1/2" = 1'-0" | RETAINING WALL SECTION | PROJECT AT 10 MAIN STREET ASHLAND, MA. | TESTA ENGINEERING Structural Engineering | SK.1 |
| RM | | | | |
| RJT | | | | |
| 10/26/2023 | | | | |



FOCALPOINT RAIN GUARDIAN TURRET SECTION DETAIL
NOT TO SCALE



- LEGEND**
- HSL = HIGH SIDE TRANSITION LENGTH(701.2.8)
 - HMA = HOT MIX ASPHALT
 - W = SIDEWALK WIDTH
 - CC = CEMENT CONCRETE
 - Wc = CURB WIDTH
 - * = TOLERANCE FOR CONSTRUCTION ± 0.5%
 - ** = TRANSITION LENGTH SHOWN IS MINIMUM

- NOTES:**
- USABLE SIDEWALK WIDTH = W-Wc.
 - PEDESTRIAN PATH OF TRAVEL SHALL BE NO LESS THAN 4'-0" WIDE AND FREE OF VERTICAL OBSTRUCTIONS FOR A MAXIMUM LENGTH OF 200'-0".
 - ALL SLOPE VALUES LISTED HERE ARE MAXIMUM VALUES WITH A CONSTRUCTION TOLERANCE OF ±0.5%.

| | | | | |
|-----------------------------|---------------------------------------|---|------------------------|---------------------------|
| massDOT Highway Division | CONSTRUCTION STANDARDS SECTION 700 | SIDEWALK THROUGH DRIVEWAYS WITH CURB RETURNS 2' CURB CORNERS | ISSUE DATE JAN 2025 | DRAWING NUMBER 701.1.2 |
|-----------------------------|---------------------------------------|---|------------------------|---------------------------|

MADOT SIDEWALK THROUGH DRIVEWAYS WITH CURB RETURNS 2' CURB CORNERS DETAIL
NOT TO SCALE

NOTES REGARDING DETAILS BY OTHERS:

- DETAILS PREPARED BY OTHERS ARE IDENTIFIED AS SUCH BY WAY OF A TITLE BLOCK, REFERENCE, LOGO, OR OTHER NOTATION.
- WHERE AN ORIGINAL DETAIL BY OTHERS HAS BEEN MODIFIED, THE MODIFICATIONS ARE IDENTIFIED BY REVISION CLOUDS.
- REFER TO OUTSIDE SOURCE NOTES ON THE GENERAL NOTES AND LEGEND SHEET.
- WHEN THE SOURCE OF THE DETAIL IS A REVIEWING/REGULATORY AGENCY, FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS AND SPECIFICATIONS. WHEN APPROPRIATE, SHOP DRAWINGS SHALL BE FORWARDED TO THE REVIEWING/REGULATORY AGENCY PRIOR TO FABRICATION.

DETAILS BY OTHERS DISCLAIMER

REVISIONS

| REV | DATE | COMMENT | CHECKED BY | DRAWN BY |
|-----|------------|------------------------------|------------|----------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG | JAK |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE | JAK |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |



Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/25/2025
CAD ID: P-CIVL-CND5

PRELIMINARY SITE DEVELOPMENT PLANS

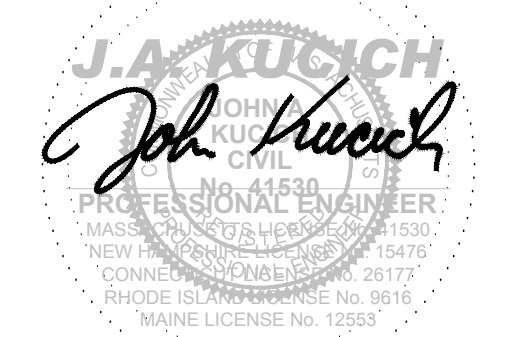
FOR

SLV ASHLAND, LLC

PROPOSED
40B DEVELOPMENT
"THE SANCTUARY AT
ASHLAND MILLS"
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND
MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD, 3RD FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com



CONSTRUCTION DETAILS

SHEET NUMBER:
C-904

REVISION 6 - 04/29/2025

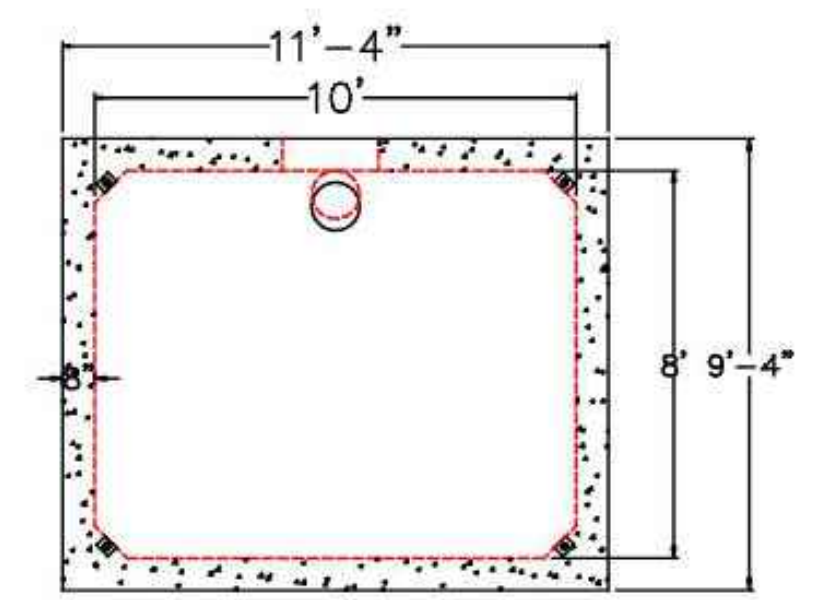
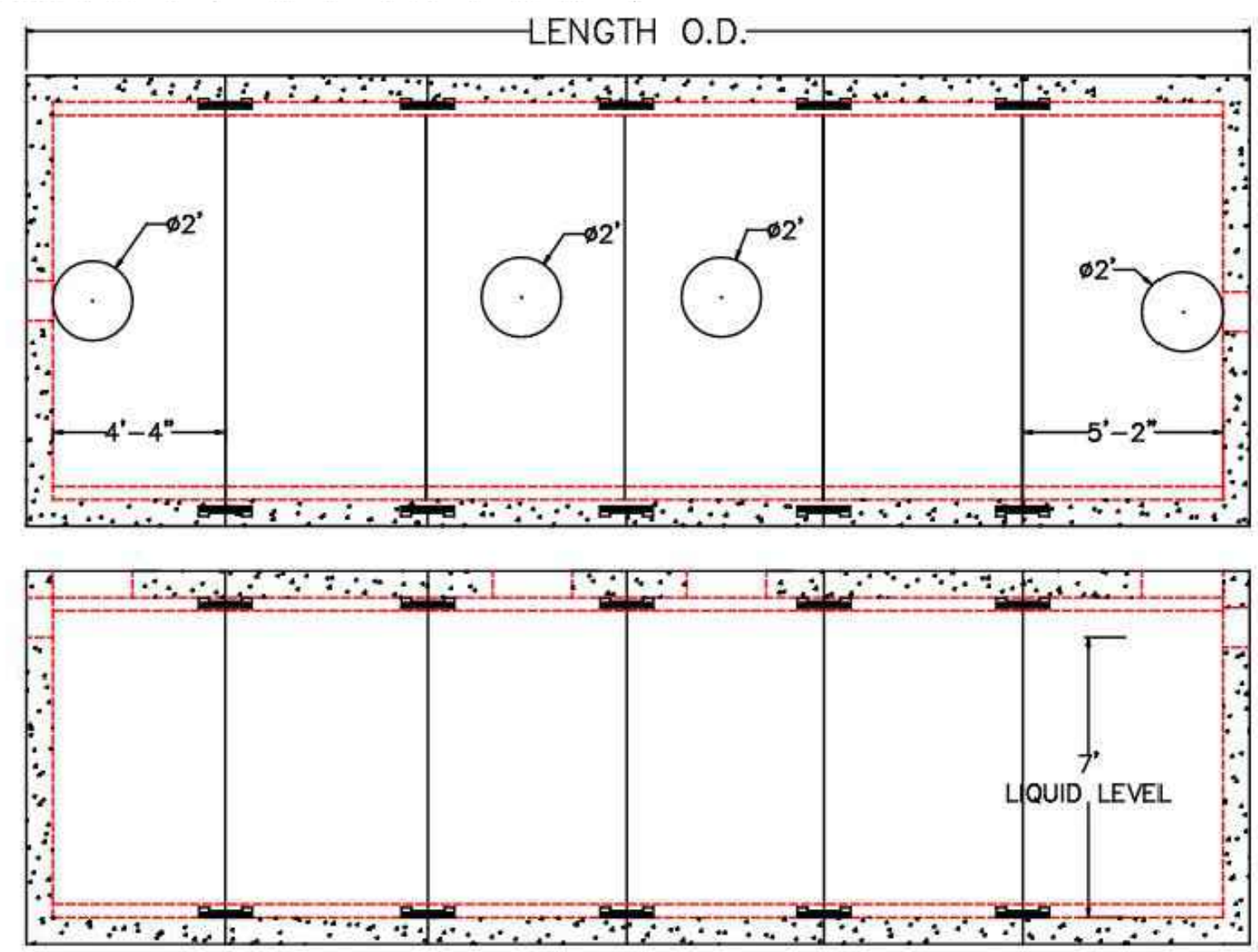
SCITUATE COMPANIES
SCITUATE RAY PRECAST
120 CLAY PIT ROAD
MARSHFIELD, MA 02050
PHONE # 1-800-440-0009
FAX # 781-837-4320

CONTRACTOR: _____ JOB NAME: _____

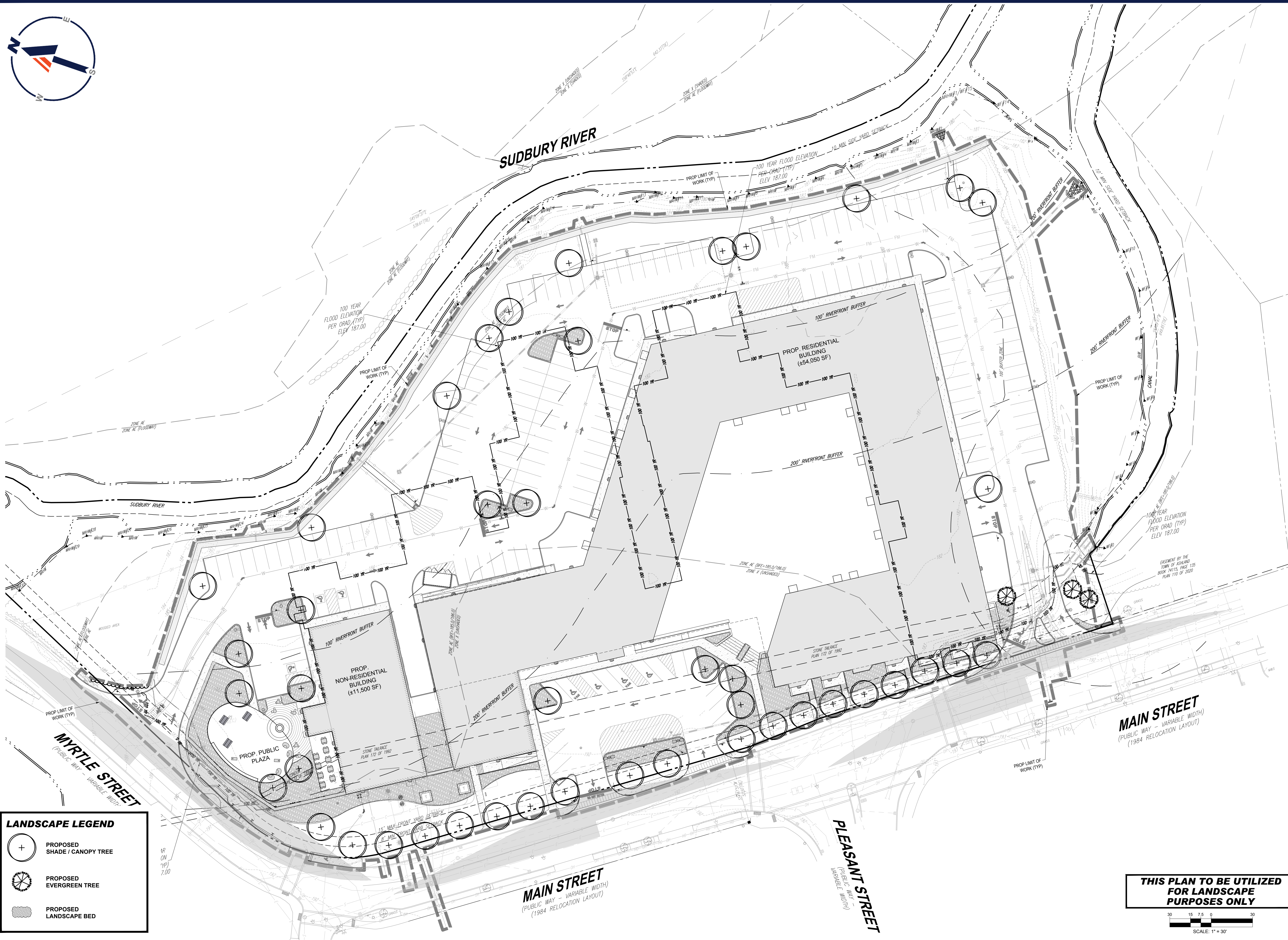
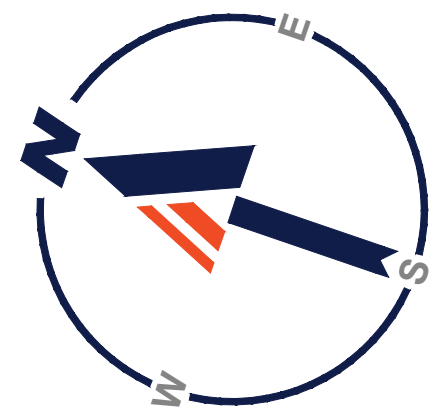
DATE: _____ DRAWING: ST-__KTT-20 DRAWING BY: C. J. SCOTT

10,000 GALLON TO 40,000 GALLON H-20 TANK

- NOTES:**
- TANKS SHALL BE WATERTIGHT.
 - CONCRETE MIN. 5,000 PSI AFTER 28 DAYS.
 - TANK SHALL BE H-20 LOADING RATED.
 - TANK SIZE TO BE DETERMINED DURING DESIGN OF STORMWATER PUMP SYSTEM.



I:\BOHLER\NET\SHARED\SMA-PROJECTS\2023\MAA230359-00-6A\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\CIVIL_CND5-MAA230359-00-6A-LAYOUT_C-904.BETL



LANDSCAPE LEGEND

- PROPOSED SHADE / CANOPY TREE
- PROPOSED EVERGREEN TREE
- PROPOSED LANDSCAPE BED

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

SCALE: 1" = 30'

BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | DRAWN BY | CHECKED BY |
|-----|------------|------------------------------|----------|------------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | JAK | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | LEC | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR | JAK |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR | EGD |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE | EGD |

811
 Know what's below.
 Call before you dig.
 ALWAYS CALL 811
 It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
 DRAWN BY: CSE
 CHECKED BY: JAK
 DATE: 02/26/2025
 CAD ID: P-CIVIL-LG1T

PROJECT:
PRELIMINARY SITE DEVELOPMENT PLANS
 FOR
SLV ASHLAND, LLC

PROPOSED
 40B DEVELOPMENT
 "THE SANCTUARY AT ASHLAND MILLS"
 MAP: 14 | LOT: 128
 50 MAIN STREET
 TOWN OF ASHLAND
 MASSACHUSETTS

BOHLER
 352 TURNPIKE ROAD, 3rd FLOOR
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
 www.BohlerEngineering.com

MATTHEW J. MAN
 REGISTERED LANDSCAPE ARCHITECT
 MASSACHUSETTS
 1952

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L-101

REVISION 6 - 04/29/2025

BOHLER ENGINEERING, INC. PROJECT: 2023-MAA230359-00-6A-01-LG1T MAA230359-00-6A-01-LG1T L-101.LG1P

MASSACHUSETTS LANDSCAPE SPECIFICATION

1. SCOPE OF WORK:
- THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.
2. MATERIALS
- GENERAL - ALL HARDCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.
 - TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
 - LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 2" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN.
 - LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.
 - SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.
 - MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES / DETAILS.
3. FERTILIZER:
- FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.
 - FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.
 - PLANT MATERIAL:
 - ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSEYMEN).
 - IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.
 - PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
 - TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1/4", WHICH HAVE NOT BEEN COMPLETELY CALLEDUS, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.
 - ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.
 - CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT "2" ABOVE THE NATURAL GRADE.
 - SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.
 - TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.
3. GENERAL WORK PROCEDURES
- CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.
 - WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY EXPOSED AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.
4. SITE PREPARATIONS
- BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.
 - ALL EXISTING TREES TO BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.
 - CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.
5. TREE PROTECTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.
 - A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY "VISI-FENCE", OR APPROVED EQUIVALENT, MOUNTED ON HELM POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.
 - WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
 - AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.
6. SOIL MODIFICATIONS
- CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.
 - LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.
 - THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.
 - TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.
 - TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.
 - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
7. FINISHED GRADING
- UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.
 - LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1").
 - ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
 - ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.
8. TOPSOILING
- CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.
 - ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.
 - ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE FILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY (SEE SPECIFICATION 6.A.1)):
 - 20 POUNDS "GRO-POWER" OR APPROVED SOIL CONDITIONER/FERTILIZER
 - 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER
 - THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.
9. PLANTING
- INsofar THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.
 - PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.
 - ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.
 - ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.
 - POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 - PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:

SEASONS:

- PLANTS: MARCH 15 TO DECEMBER 15
 - LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
 - PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.
- FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:

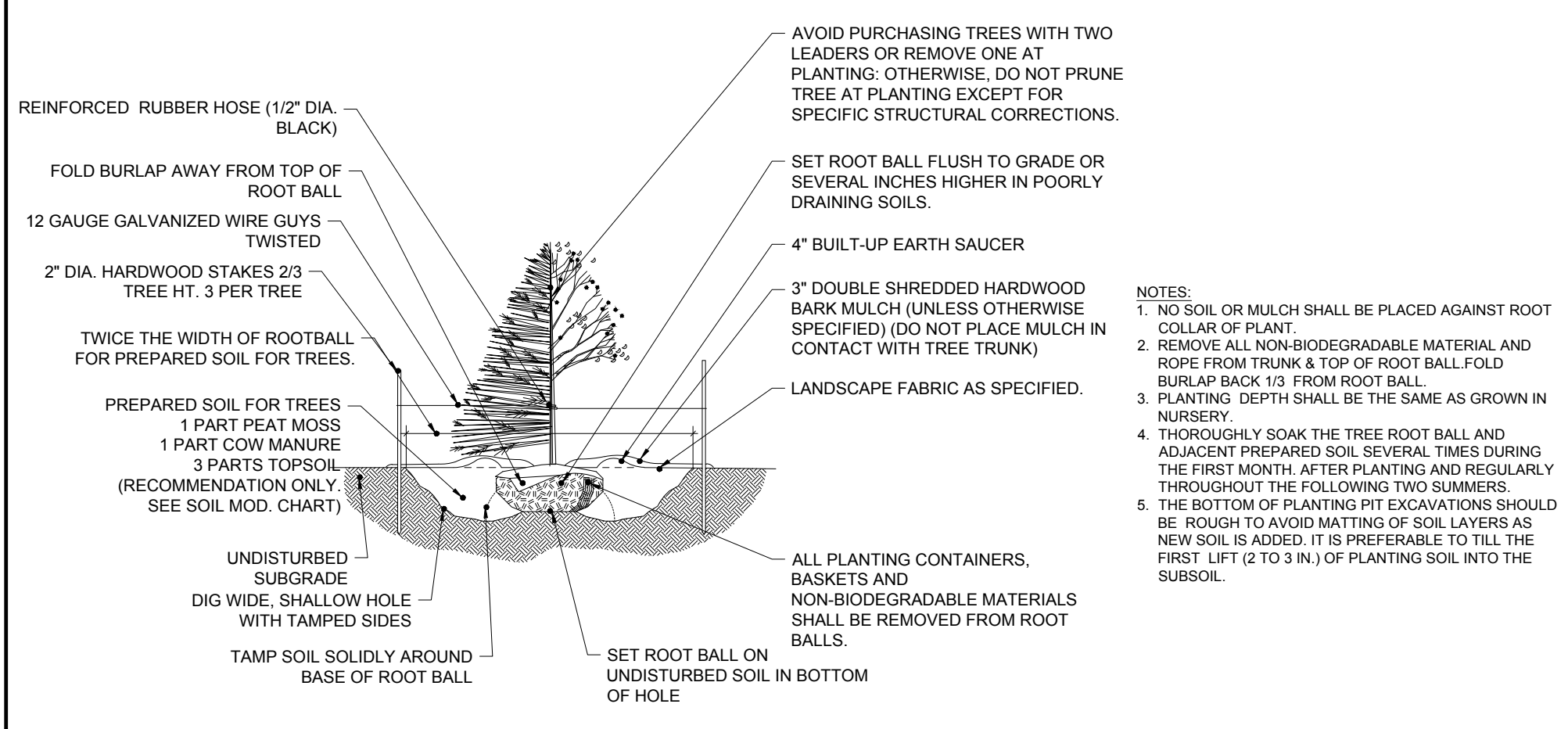
| | |
|-------------------------|-----------------------|
| ACER RUBRUM | PLATANUS X ACERIFOLIA |
| BETULA VARIETIES | POPULUS VARIETIES |
| CARPINUS VARIETIES | PRUNUS VARIETIES |
| CRATAEGUS VARIETIES | PYRUS VARIETIES |
| KOELREUTERIA | QUERCUS VARIETIES |
| LIQUIDAMBAR STRACIFLUA | TILIA TOMENTOSA |
| LIRIODENDRON TULIPIFERA | ZELKOVA VARIETIES |

- PLANTING TREES SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
 - 1 PART PEAT MOSS
 - 1 PART COMPOSTED COW MANURE BY VOLUME
 - 3 PARTS TOPSOIL BY VOLUME
- 21 GRAMS AGRIFORM PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:
 - 2 TABLETS PER 1 GALLON PLANT
 - 3 TABLETS PER 5 GALLON PLANT
 - 4 TABLETS PER 15 GALLON PLANT
- LARGER PLANTS: 2 TABLETS PER 1" CALIPER OF TRUNK
- FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
- ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.
- ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.
- GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.
- NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.
- ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.
- ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

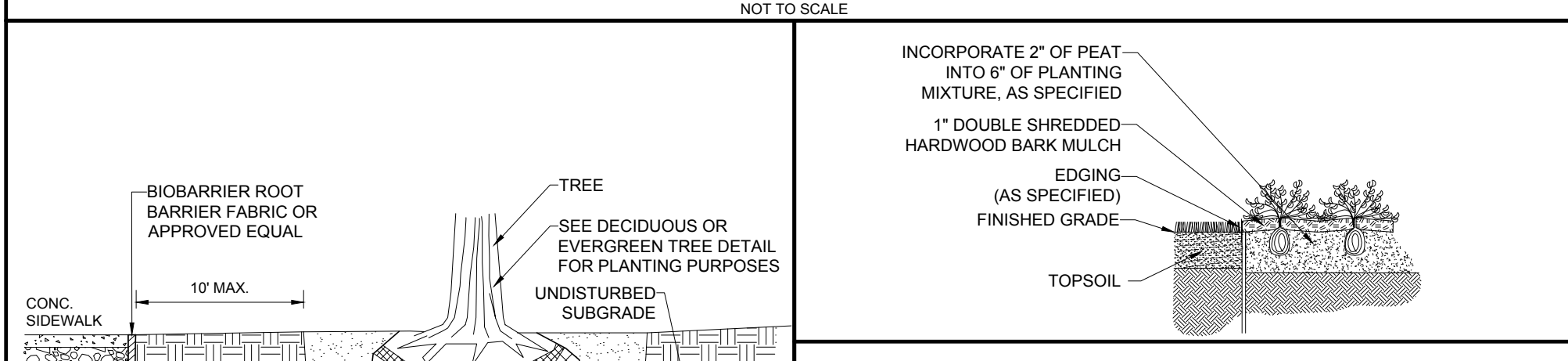
- TRANSPLANTING (WHEN REQUIRED)
 - ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.
 - IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.
 - PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.
 - UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.
 - TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.
 - F TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

- WATERING
 - NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.
 - SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.
 - IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

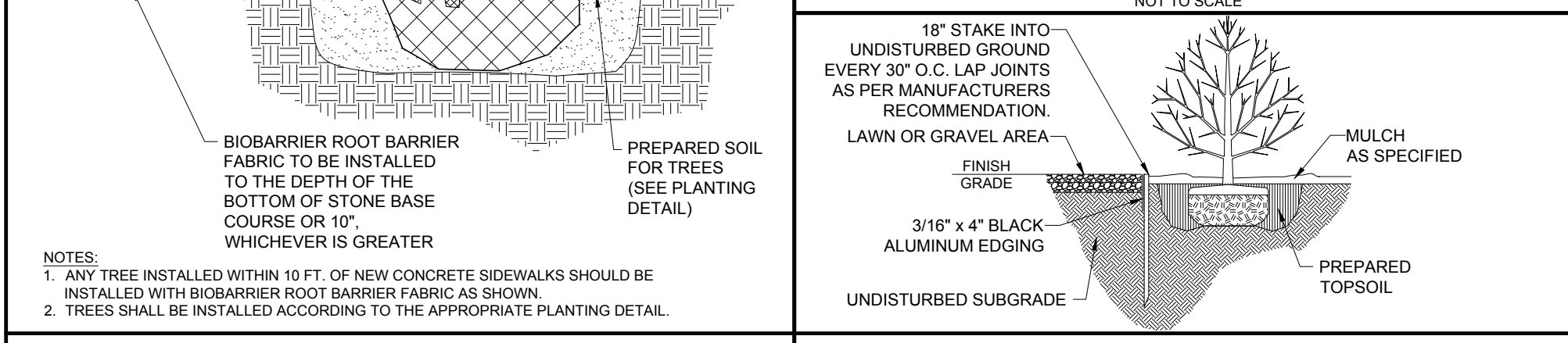
- GUARANTEE
 - THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.
 - ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.
 - TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.
 - LAWN SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- CLEANUP
 - UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.
 - THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.
- MAINTENANCE (ALTERNATIVE BID):
 - A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MAINTAINED TO THE APPROVAL OF THE OWNER/OPERATOR.



TREE PLANTING

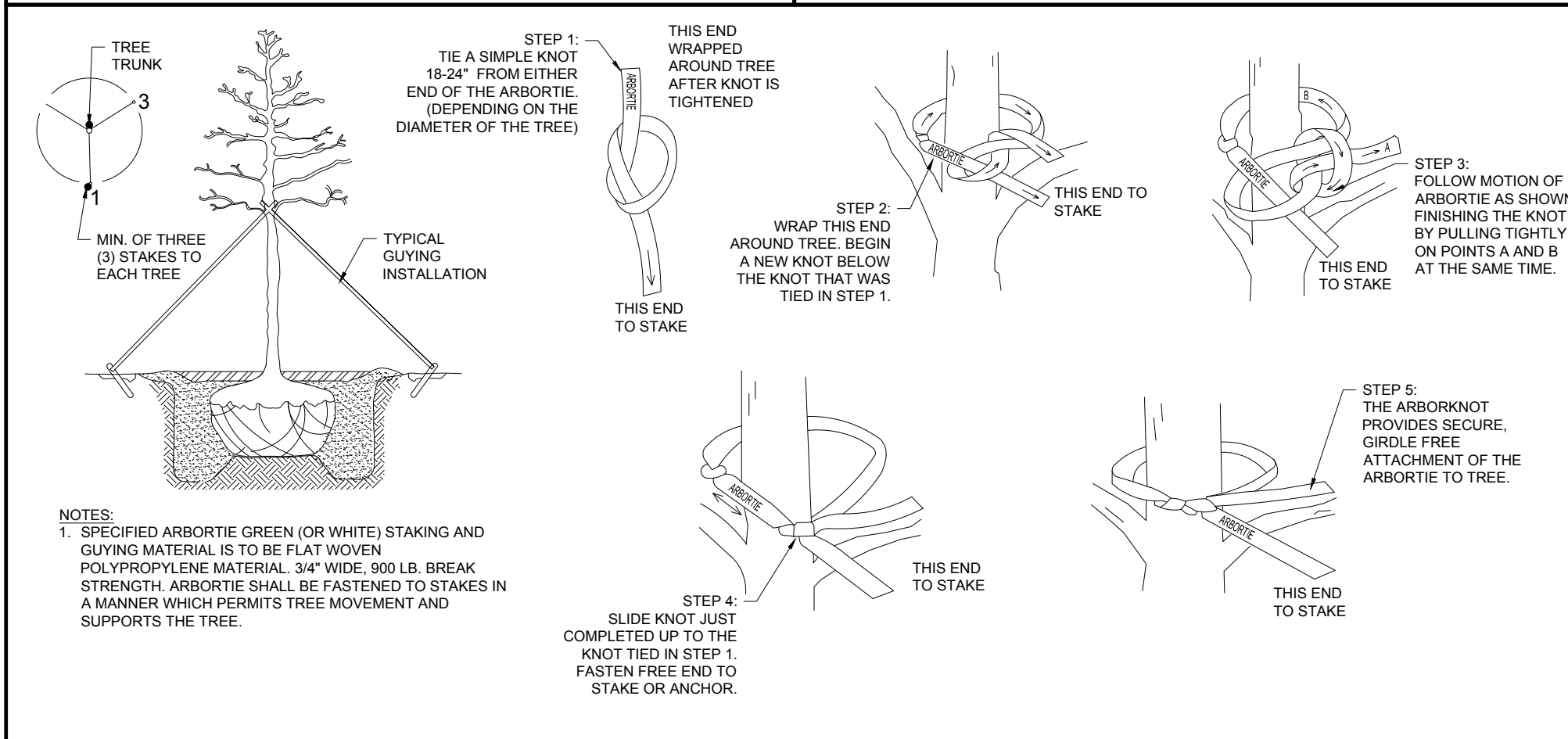


GROUND COVER PLANTING



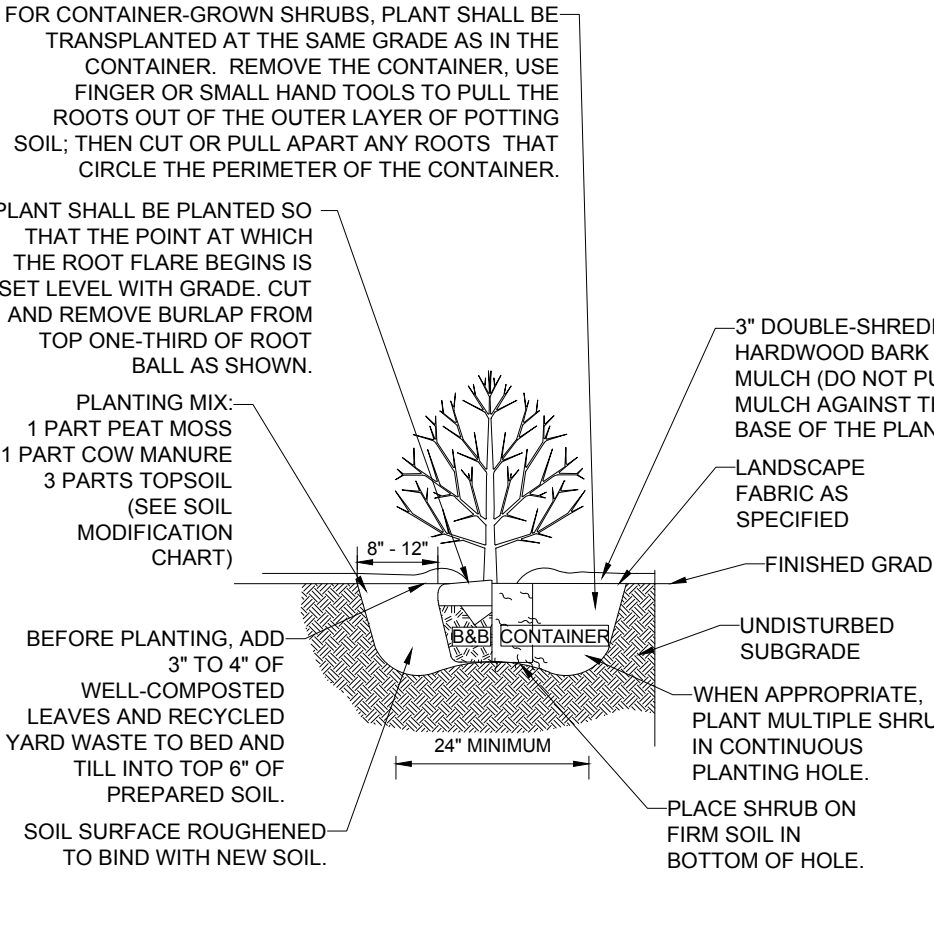
BIOBARRIER ROOT BARRIER

BLACK ALUMINUM EDGING



ARBORSTAKE

NOT TO SCALE



SHRUB PLANTING

NOT TO SCALE

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

| REVISIONS | | | | |
|-----------|------------|------------------------------|-------------|------------|
| REV | DATE | COMMENT | DESIGNED BY | CHECKED BY |
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JAK | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | JAK | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | JAK | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | JAK | EKR |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | JAK | EKR |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | JAK | CSE |
| | | | | EGD |

811
Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

PROJECT No.: MA230359-00-6A
DRAWN BY: JAK
CHECKED BY: JAK
DATE: 02/26/25
CAD ID: P-CIVL-LJGT

PRELIMINARY SITE DEVELOPMENT PLANS FOR

SLV ASHLAND, LLC
PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

REGISTERED LANDSCAPE ARCHITECT
Matthew Q. Moran

LANDSCAPE NOTES & DETAILS

SHEET NUMBER:
L-102

REVISION 6 - 04/29/2025

I:\BOHLER\NETSHARED\BMA-PRO-JECTS\2023\MA230359-00-6A-03-LAYOUT-1-102.NOTE



MASSACHUSETTS LIGHTING NOTES

(REV. 06/2023)

- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHT LOSS FACTOR (LLF) DEPICTED IN THE LUMINAIRE SCHEDULE ON THIS PLAN ARE BASED ON DATA PROVIDED BY THE MANUFACTURER FOLLOWING IES LM-80-08 TESTING. THE LIGHT LEVELS DEPICTED ON THIS PLAN WERE CALCULATED BASED ON THE LLF LISTED IN THE LUMINAIRE SCHEDULE.
- THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOT-CANDELS (FC).
- THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT IS NOT LIMITED TO, VISUAL OBSERVATION, CLEANING OF LENSES, AND RE-LAMPING IF NECESSARY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. FAILURE TO FOLLOW THE ABOVE STEPS COULD RESULT IN IMPROPER LIGHT DISTRIBUTION AND FAILURE TO COMPLY WITH THE APPROVED DESIGN. UPON COMPLETION AND OWNER'S ACCEPTANCE OF THE WORK, THE ABOVE RESPONSIBILITIES BECOMES SOLELY THE OWNER'S.
- WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC. ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
- THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.
- CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT INTERFERE WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURAL REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND STATUTES.
- IT IS THE LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING ANY AND ALL POWER SOURCE(S), AND TRIMMING DEVICES NECESSARY TO MEET THE DESIGN INTENT. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY REGULATION.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT SHIELDING AND/OR ROTATED OPTICS ARE INSTALLED AS INDICATED ON THE PLAN IN ORDER TO ACHIEVE THE LIGHTING LEVELS THE REVIEWING AGENCY APPROVED.
- THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND STATUTES.
- THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
- WHEN A BANK AT/IN IS INCLUDED IN THE PLAN, THE LIGHTING DESIGN REPRESENTS BOHLER'S UNDERSTANDING AND INTERPRETATION OF THE REGULATORY LIGHTING LEVELS INTENDED BY PUBLISHED STANDARDS.
- UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.

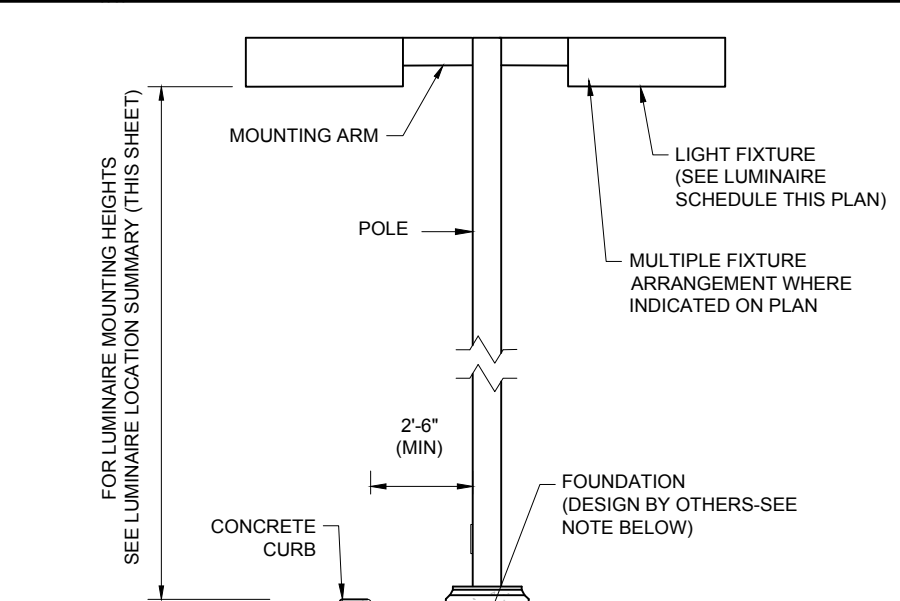
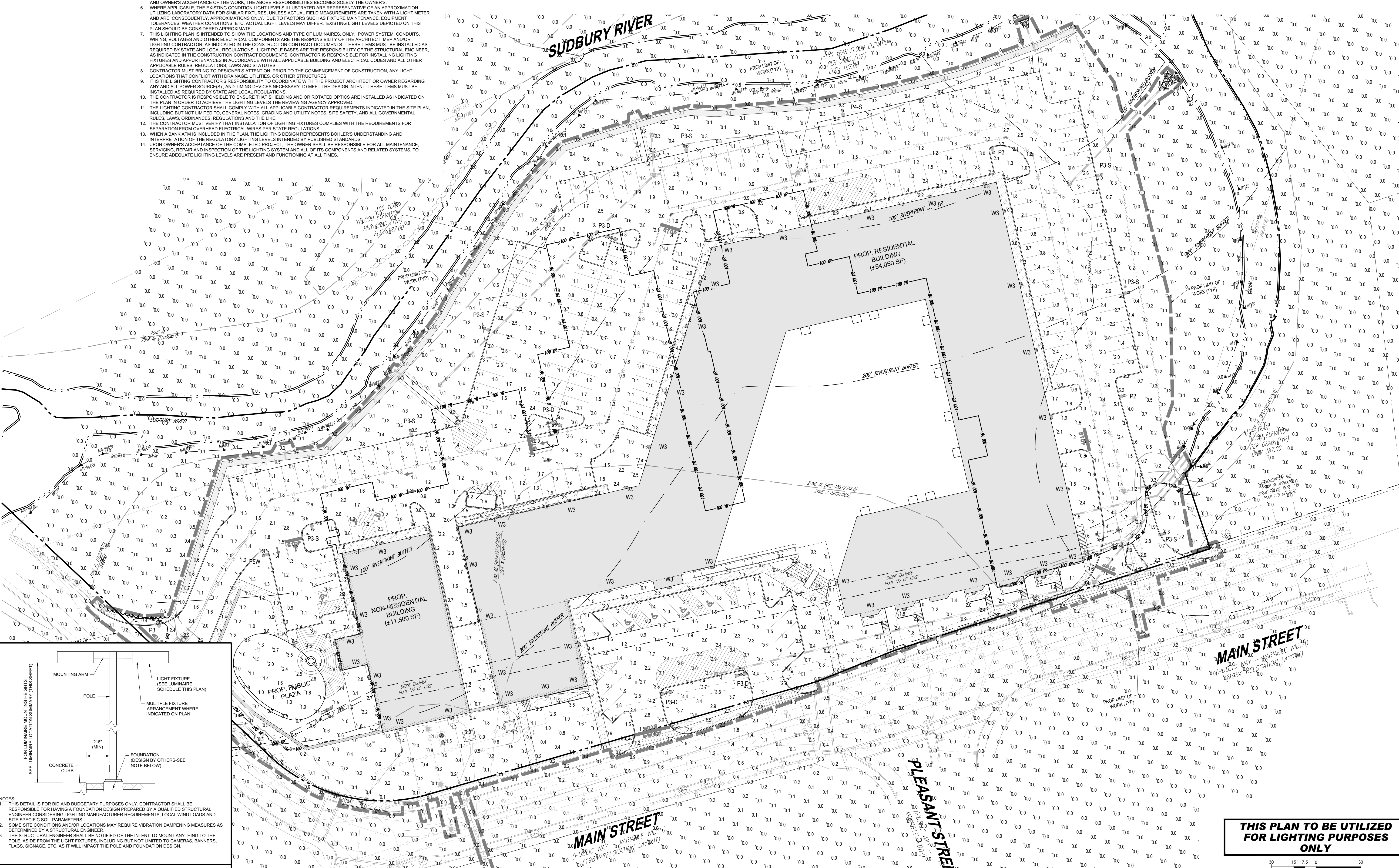
LUMINAIRE SCHEDULE

| LABEL | QTY | MOUNTING HEIGHT | ARRANGEMENT | LLF | LUM. LUMENS | BUG RATING | DESCRIPTION |
|-------|-----|-----------------|-------------|-------|-------------|------------|---|
| W3 | 44 | 10'-0" AFF | SINGLE | 0.900 | 2282 | B1-U0-G1 | SIGNIFY GARDOO, WALL MOUNT PUREFORM LED WALL SCONCE, TYPE 3, ZERO UP-LIGHT (PWS-C-A1-WW-G2-3-UV) |
| P2 | 1 | 20'-0" AFG | SINGLE | 0.900 | 9284 | B2-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 2, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-2) |
| P2-S | 1 | 20'-0" AFG | SINGLE | 0.900 | 7073 | B1-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 2, WITH HOUSE-SIDE SHIELD, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-3-HS) |
| P3 | 2 | 20'-0" AFG | SINGLE | 0.900 | 9034 | B2-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 3, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-3) |
| P3-S | 6 | 20'-0" AFG | SINGLE | 0.900 | 7197 | B1-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 3, WITH HOUSE-SIDE SHIELD, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-3-HS) |
| P3-D | 4 | 20'-0" AFG | BACK-BACK | 0.900 | 9034 | B2-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 3, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-3) |
| P4 | 1 | 20'-0" AFG | SINGLE | 0.900 | 9452 | B2-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 4, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-4) |
| P4-S | 1 | 20'-0" AFG | SINGLE | 0.900 | 7412 | B1-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 4, WITH HOUSE-SIDE SHIELD, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-4-HS) |
| P5W | 1 | 20'-0" AFG | SINGLE | 0.900 | 9395 | B4-U0-G2 | SIGNIFY GARDOO, ECOFORM SITE AND AREA LED LUMINAIRE, TYPE 5W, ZERO UP-LIGHT (ECF-S-32L-700-WW-G2-5W) |

*REFER TO ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHTS AND LOCATIONS

CALCULATION SUMMARY

| Label | CALCTYPE | UNITS | AVG | MAX | MIN | AVGMIN | MAXMIN |
|-------------------------------|-------------|-------|------|-----|-----|--------|--------|
| ALL POINTS | ILLUMINANCE | FC | 0.35 | 5.3 | 0.0 | N/A | N/A |
| NORTH PARKING COURT AND DRIVE | ILLUMINANCE | FC | 1.65 | 5.2 | 0.6 | 2.75 | 8.67 |
| SOUTHWEST PARKING COURT | ILLUMINANCE | FC | 2.01 | 6.0 | 0.7 | 2.87 | 7.14 |
| NORTHWEST PARKING COURT | ILLUMINANCE | FC | 1.53 | 2.8 | 0.9 | 1.70 | 3.11 |



AREA LIGHT

NOT TO SCALE

FOR LUMINAIRE MOUNTING HEIGHTS SEE LUMINAIRE LOCATION SUMMARY (THIS SHEET)

THIS DETAIL IS FOR BID AND BUDGETARY PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A FOUNDATION DESIGN PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS AND SITE SPECIFIC SOIL PARAMETERS.

SOME SITE CONDITIONS AND/OR LOCATIONS MAY REQUIRE VIBRATION DAMPENING MEASURES AS DETERMINED BY A STRUCTURAL ENGINEER.

THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF THE INTENT TO MOUNT ANYTHING TO THE POLE, ASIDE FROM THE LIGHT FIXTURES, INCLUDING BUT NOT LIMITED TO CAMERAS, BANNERS, FLAGS, SIGNAGE, ETC. AS IT WILL IMPACT THE POLE AND FOUNDATION DESIGN.

BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
TRANSPORTATION SERVICES

REVISIONS

| REV | DATE | COMMENT | DRAWN BY |
|-----|------------|------------------------------|----------|
| 1 | 07/15/2024 | ADDED EPA MONITORING WELLS | JDG |
| 2 | 08/01/2024 | COMPREHENSIVE PERMIT | CSE |
| 3 | 02/25/2025 | TRAFFIC COMMENTS | JAK |
| 4 | 03/12/2025 | RESPONSE TO HANCOCK COMMENTS | EKR |
| 5 | 03/19/2025 | REVS TO DRIVEWAY & GARAGE | EKR |
| 6 | 04/29/2025 | RESPONSE TO MDM & HANCOCK | CSE |
| | | | EGD |

811

Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/25/2025
CAD LID: P-CIV-L-LGT

PRELIMINARY SITE DEVELOPMENT PLANS

FOR

SLV ASHLAND, LLC

PROPOSED 40B DEVELOPMENT "THE SANCTUARY AT ASHLAND MILLS"

MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND, MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD, 3rd FLOOR
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

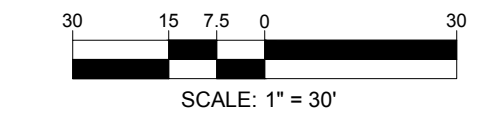
Matthew Q. Moran
REGISTERED PROFESSIONAL ENGINEER
No. 00984

SHEET TITLE:
LIGHTING PLAN

SHEET NUMBER:
L-201

REVISION 6 - 04/29/2025

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY





Wall Mount

PureForm

PWS wall sconce with comfort optics



Gardco PureForm LED wall sconce comfort PWS offers a sleek, low profile design that will complement a range of architectural styles...

Project: Location: Cat.No: Type: Lamp: Qty: Notes:

Ordering guide

Example: PWS-196L-650-NW-G2-2-UNV-DGY

Table with columns: Prefix, Number of LEDs, Drive Current, LED Color - Generation, Distribution, Emergency, Voltage

Table with columns: Dimming controls, Motion-sensing, Photo-sensing, Options, Finish

- 1. 150, 1675, and 2100mA not available with emergency battery backup (EBP)
2. 2100mA not available with emergency battery backup cold weather (EBPC)
3. Extended lead times apply. Contact factory for details.



PWS PureForm wall sconce comfort 05/24 page 1 of 6

SIGNIFY GARDCO PUREFORM LED PWS WALL SCNCE

NOT TO SCALE



Site and Area

EcoForm

ECF-S small area light



Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low profile LED luminaire...

Project: Location: Cat.No: Type: Lamp: Qty: Notes:

Ordering guide

Example: ECF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

Table with columns: Prefix, Number of LEDs, Drive Current, LED Color - Generation, Mounting, Distribution, Voltage

Table with columns: Dimming controls, Motion sensing lens, Photo-sensing, Options, Luminaire, Finish

- 1. BL-MB37 equipped with out-board sensor housing when voltage is 150V (241-480V)
2. Mounts to a 4" round pole with adapter included for square poles.
3. Limited to a maximum of 48 degree aiming above horizontal.



ECF-S_EcoForm_area_small 04/24 page 1 of 9

SIGNIFY GARDCO ECOFORM LED SMALL AREA LIGHT

NOT TO SCALE

180HLERENG-NETSHARE-SMA-PROJECTS-2023-2023-MAA230359-00-6A-1-3-LAYOUT-L-202-LNOTE



Table with columns: REV, DATE, COMMENT, CHECKED BY

811 logo and text: Know what's below. Call before you dig. ALWAYS CALL 811. It's fast. It's free. It's the law.

COMPREHENSIVE PERMIT PLANS

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

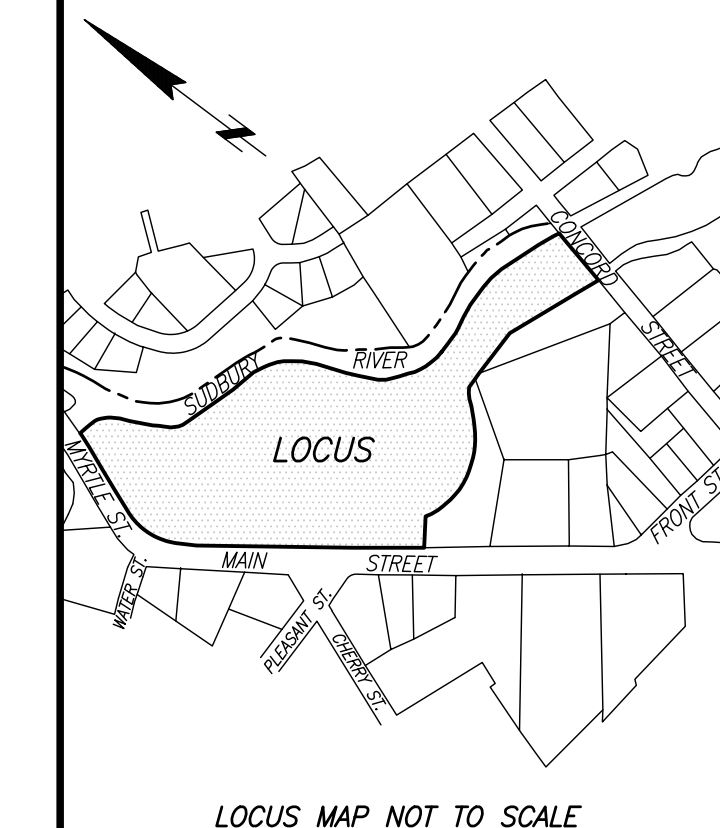
PROJECT No.: MAA230359-00-6A
DRAWN BY: CSE
CHECKED BY: JAK
DATE: 02/26/2025
CAD ID.: P-CIVL-LLGT

PRELIMINARY SITE DEVELOPMENT PLANS FOR SLV ASHLAND, LLC
PROPOSED 40B DEVELOPMENT 'THE SANCTUARY AT ASHLAND MILLS'
MAP: 14 | LOT: 128
50 MAIN STREET
TOWN OF ASHLAND MASSACHUSETTS

BOHLER logo and address: 352 TURNPIKE ROAD, 3rd FLOOR SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900



SHEET TITLE: LIGHTING NOTES & DETAILS
SHEET NUMBER: L-202
REVISION 6 - 04/29/2025



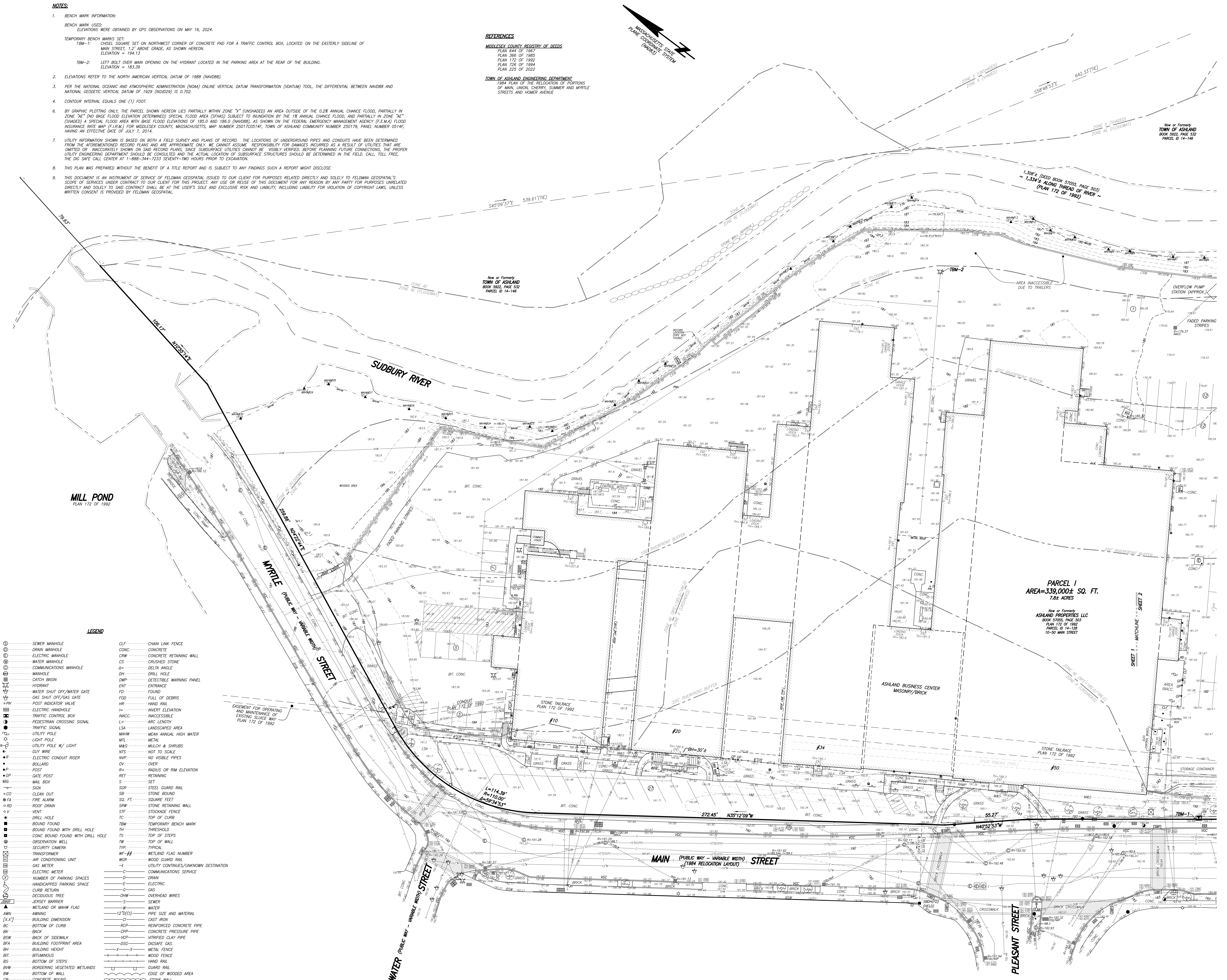
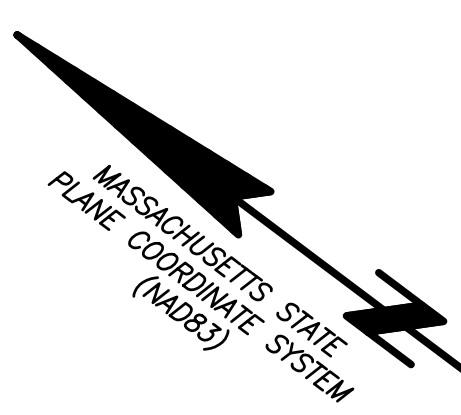
LOCUS MAP NOT TO SCALE

NOTES:

- BENCH MARK INFORMATION:
BENCH MARK USED:
ELEVATIONS WERE OBTAINED BY GPS OBSERVATIONS ON MAY 16, 2024.
TEMPORARY BENCH MARKS SET:
TBM-1: CHISEL SQUARE SET ON NORTHWEST CORNER OF CONCRETE PAD FOR A TRAFFIC CONTROL BOX, LOCATED ON THE EASTERLY SIDELINE OF MAIN STREET, 1.2' ABOVE GRADE, AS SHOWN HEREON.
ELEVATION = 194.13
TBM-2: LEFT BOLT OVER MAIN OPENING ON THE HYDRANT LOCATED IN THE PARKING AREA AT THE REAR OF THE BUILDING.
ELEVATION = 183.39
- ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- PER THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION (VDATUM) TOOL, THE DIFFERENTIAL BETWEEN NAVD88 AND NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) IS 0.702.
- CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES PARTIALLY WITHIN ZONE "X" (UNSHADED) AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, PARTIALLY IN ZONE "AE" (NO BASE FLOOD ELEVATION DETERMINED) SPECIAL FLOOD AREA (SFA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD, AND PARTIALLY IN ZONE "AE" (SHADED) A SPECIAL FLOOD AREA WITH BASE FLOOD ELEVATIONS OF 185.0 AND 186.0 (NAVD88), AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR MIDDLESEX COUNTY, MASSACHUSETTS, MAP NUMBER 25017020514F, TOWN OF ASHLAND COMMUNITY NUMBER 250179, PANEL NUMBER 0514F, HAVING AN EFFECTIVE DATE OF JULY 7, 2014.
- UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE ABOVE-MENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUBSURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.
- THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY FINDINGS SUCH A REPORT MIGHT DISCLOSE.
- THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF FELDMAN GEOSPATIAL ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO FELDMAN GEOSPATIAL'S SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY FELDMAN GEOSPATIAL.

REFERENCES:

- MIDDLESEX COUNTY REGISTRY OF DEEDS
PLAN 644 OF 1967
PLAN 366 OF 1965
PLAN 172 OF 1992
PLAN 726 OF 1994
PLAN 225 OF 2002
- TOWN OF ASHLAND ENGINEERING DEPARTMENT
1984 PLAN OF THE RELOCATION OF PORTIONS OF MAIN STREET, CHERRY, SUMMER AND MYRTLE STREETS AND HOMER AVENUE



MILL POND
PLAN 172 OF 1992

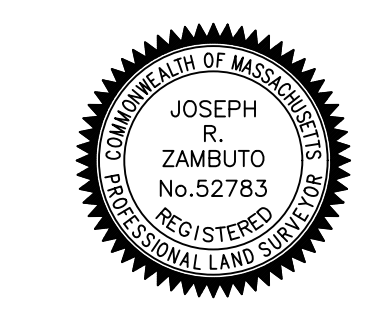
LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> ○ SEWER MANHOLE ○ DRAIN MANHOLE ○ ELECTRIC MANHOLE ○ WATER MANHOLE ○ COMMUNICATIONS MANHOLE ○ MANHOLE ○ CATCH BASIN ○ HYDRANT ○ WATER SHUT OFF/WATER GATE ○ GAS SHUT OFF/GAS GATE ○ POST INDICATOR VALVE ○ ELECTRIC HANDHOLE ○ TRAFFIC CONTROL BOX ○ TRAFFIC SIGNAL ○ PEDESTRIAN CROSSING SIGNAL ○ TRAFFIC SIGNAL ○ UTILITY POLE ○ LIGHT POLE ○ UTILITY POLE W/ LIGHT ○ COP WIRE ○ ELECTRIC CONDUIT RISER ○ BOLLARD ○ POST ○ GATE POST ○ MAIL BOX ○ SIGN ○ CLEAN OUT ○ FIRE ALARM ○ ROOF DRAIN ○ VENT ○ DRILL HOLE ○ BOUND FOUND ○ BOUND FOUND WITH DRILL HOLE ○ CONC BOUND FOUND WITH DRILL HOLE ○ OBSERVATION WELL ○ SECURITY CAMERA ○ TRANSFORMER ○ AIR CONDITIONING UNIT ○ GAS METER ○ ELECTRIC METER ○ NUMBER OF PARKING SPACES ○ HANDICAPPED PARKING SPACE ○ CURB RETURN ○ DECIDUOUS TREE ○ CONIFER ○ WETLAND OR MAHW FLAG ○ WARNING ○ BUILDING DIMENSION ○ BOTTOM OF CURB ○ BACK ○ BACK OF SIDEWALK ○ BFA ○ BUILDING HEIGHT ○ BIT ○ BITUMINOUS ○ BOTTOM OF STEPS ○ BSW ○ BORDERING VEGETATED WETLANDS ○ BW ○ BOTTOM OF WALL ○ CB | <ul style="list-style-type: none"> ○ CHAIN LINK FENCE ○ CONCRETE ○ CONCRETE RETAINING WALL ○ C/S ○ CROCKED STONE ○ Δ ○ DELTA ANGLE ○ DH ○ DRILL HOLE ○ DWP ○ DETECTIBLE WARNING PANEL ○ ENT ○ ENTRANCE ○ FOUND ○ FOD ○ FULL OF DEBRIS ○ HR ○ HAND RAIL ○ IN ○ INVERT ELEVATION ○ INACCESSIBLE ○ L ○ ARC LENGTH ○ LSA ○ LANDSCAPED AREA ○ MAHW ○ MEAN ANNUAL HIGH WATER ○ MTL ○ METAL ○ M&S ○ MULCH & SHRUBS ○ NTS ○ NOT TO SCALE ○ NVP ○ NO VISIBLE PIPES ○ OV ○ OVER ○ R ○ RADIIUS OR RIM ELEVATION ○ RET ○ RETAINING ○ S ○ SET ○ SGR ○ STEEL GUARD RAIL ○ SB ○ STONE BOUND ○ SQ. FT. ○ SQUARE FEET ○ SRW ○ STONE RETAINING WALL ○ STF ○ STOCKADE FENCE ○ TC ○ TOP OF CURB ○ TBM ○ TEMPORARY BENCH MARK ○ TH ○ THRESHOLD ○ TS ○ TOP OF STEPS ○ TW ○ TOP OF WALL ○ TW ○ TYPICAL ○ WF-## ○ WETLAND FLAG NUMBER ○ WGR ○ WOOD GUARD RAIL ○ - ○ UTILITY CONTINUOUS/UNKNOWN DESTINATION ○ COMMUNICATIONS SERVICE ○ D ○ DRAIN ○ E ○ ELECTRIC ○ G ○ GAS ○ CHW ○ OVERHEAD WIRES ○ S ○ SEWER ○ W ○ WATER ○ PIPE SIZE AND MATERIAL ○ (X'X') ○ CAST IRON ○ RCP ○ REINFORCED CONCRETE PIPE ○ CPP ○ CONCRETE PRESSURE PIPE ○ VCP ○ VITRIFIED CLAY PIPE ○ DSC ○ DISSAPE GAS ○ X-X ○ METAL FENCE ○ WOOD FENCE ○ H ○ HAND RAIL ○ GUARD RAIL ○ EDGE OF WOODED AREA ○ CONCRETE BOUND |
|---|---|

PARCEL 1
AREA=339,000± SQ. FT.
7.8± ACRES
New or Formerly
ASHLAND PROPERTIES LLC
BOOK 57053, PAGE 503
PLAN 172 OF 1992
PARCEL ID 14-129
10-50 MAIN STREET

I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST RECORD PLANS, DEEDS, AND CERTIFICATES OF TITLE.

JOSEPH E. ZAMBUTO, PLS DATE 04/17/2025
MAF 52793
ZAMBUTO@FELDMANGEO.COM



DRAWING NAME:
**EXISTING CONDITIONS
PLAN OF LAND
50 MAIN STREET
ASHLAND, MASS.**

DATE: JUNE 21, 2024

REVISIONS:

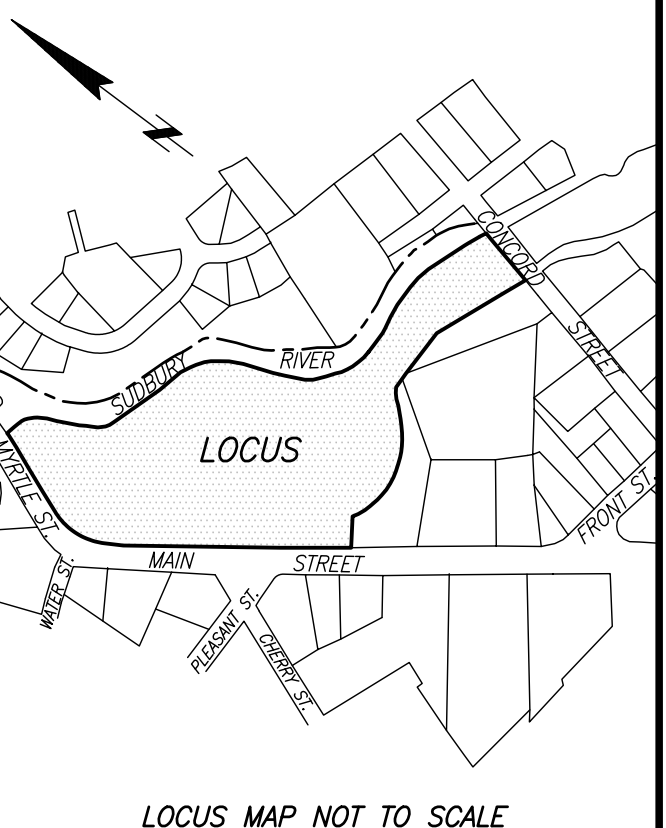
| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| | | |
| | | |

FILENAME: 2400483-Dx.dwg

| | |
|----------------|----------------------|
| RESEARCH: JF | FIELD CHIEF: KF |
| FIELD MGR: JRZ | APPROVER: MAM |
| CALC: JF | QA/QC: MAM |
| FIELD CHK: JF | CRD FILE: 2400483-DX |

SCALE: 1"=20'

SHEET NO. 1 OF 3



LOCUS MAP NOT TO SCALE



LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> ⊙ SEWER MANHOLE ⊕ DRAIN MANHOLE ⊖ ELECTRIC MANHOLE ⊗ WATER MANHOLE ⊘ COMMUNICATIONS MANHOLE ⊙ MANHOLE ⊚ CATCH BASIN ⊛ FURNACE ⊜ WATER SHUT OFF/WATER GATE ⊝ GAS SHUT OFF/GAS GATE ⊞ POST INDICATOR VALVE ⊟ ELECTRIC HANDLE ⊠ TRAFFIC CONTROL BOX ⊡ PEDESTRIAN CROSSING SIGNAL ⊢ TRAFFIC SIGNAL ⊣ UTILITY POLE ⊤ LIGHT POLE ⊥ UTILITY POLE W/ LIGHT ⊦ GUY WIRE ⊧ ELECTRIC CONDUIT RISER ⊨ BOLLARD ⊩ POST ⊪ GATE POST ⊫ MAIL BOX ⊬ SIGN ⊭ CLEAN OUT ⊮ FIRE ALARM ⊯ FROG DRAW ⊰ VENT ⊱ DRILL HOLE ⊲ BOUND FOUND ⊳ BOUND FOUND WITH DRILL HOLE ⊴ CONC. BOUND FOUND WITH DRILL HOLE ⊵ OBSERVATION WELL ⊶ SECURITY CAMERA ⊷ TRANSFORMER ⊸ AIR CONDITIONING UNIT ⊹ GAS METER ⊺ ELECTRIC METER ⊻ NUMBER OF PARKING SPACES ⊼ HANDICAPPED PARKING SPACE ⊽ CURB RETURN ⊾ DECIDUOUS TREE ⊿ JERSEY BARRIER ⊔ WETLAND OR MAHW FLAG ⊕ AWNING ⊖ [X-X] BUILDING DIMENSION ⊗ BC BOTTOM OF CURB ⊘ BK BACK ⊙ BSW BACK OF SIDEWALK ⊚ BFA BUILDING FOOTPRINT AREA ⊛ BH BUILDING HEIGHT ⊜ BIT BITUMINOUS ⊝ BS BOTTOM OF STEPS ⊞ BWW BORDERING WETLANDS ⊟ BW BOTTOM OF WALL ⊠ CB CONCRETE BOUND ⊡ CHAIN LINK FENCE ⊢ CONC. CONCRETE ⊣ CONCRETE RETAINING WALL ⊤ CS CRUSHED STONE ⊥ DA DRAIN ANGLE ⊦ DH DRILL HOLE ⊧ DWP DETECTABLE WARNING PANEL ⊨ ENT ENTRANCE ⊩ FD FOUND ⊪ FOD FULL OF DEBRIS ⊫ HR HAND RAIL ⊬ IAK INVERT ELEVATION ⊭ INACC. INACCESSIBLE ⊮ L= ARC LENGTH ⊯ LSA LANDSCAPED AREA ⊰ MAHW MEAN ANNUAL HIGH WATER ⊱ MTL METAL ⊲ M&S MULCH & SHRUBS ⊳ NTS NOT TO SCALE ⊴ NWP NO VISIBLE PIPES ⊵ OV OVER ⊶ R= RADIUS OR RIM ELEVATION ⊷ RET RETAINING ⊸ S SET ⊹ SGR STEEL GUARD RAIL ⊺ SB STONE BOUND ⊻ SQ. FT. SQUARE FEET ⊼ SSW STONE RETAINING WALL ⊽ STF STOCKADE FENCE ⊞ TC TOP OF CURB ⊟ TBM TEMPORARY BENCH MARK ⊠ TH THRESHOLD ⊡ TS TOP OF STEPS ⊢ TW TOP OF WALL ⊣ TYP. TYPICAL ⊤ WF-## WETLAND FLAG NUMBER ⊥ WGR WOOD GUARD RAIL ⊦ -# UTILITY CONTINUES/UNKNOWN DESTINATION ⊧ C COMMUNICATIONS SERVICE ⊨ D DRAIN ⊩ E ELECTRIC ⊪ G GAS ⊫ CHW OVERHEAD WIRES ⊬ S SEWER ⊭ W WATER ⊮ -12" (C) PIPE SIZE AND MATERIAL ⊯ CHT CHIT IRON ⊰ RCP REINFORCED CONCRETE PIPE ⊱ CPP CONCRETE PRESSURE PIPE ⊲ VCP VITRIFIED CLAY PIPE ⊳ DSG DISSIPE GAS ⊴ X-Y METAL FENCE ⊵ WOOD FENCE ⊶ H&D HAND RAIL ⊷ GUARD RAIL ⊸ E EDGE OF WOODED AREA ⊹ STONE WALL | <ul style="list-style-type: none"> ⊙ CHAIN LINK FENCE ⊕ CONC. CONCRETE ⊖ CONCRETE RETAINING WALL ⊗ CRUSHED STONE ⊘ DRAIN ANGLE ⊙ DRILL HOLE ⊚ DETECTABLE WARNING PANEL ⊛ ENTRANCE ⊜ FOUND ⊝ FULL OF DEBRIS ⊞ HAND RAIL ⊟ INVERT ELEVATION ⊠ INACC. INACCESSIBLE ⊡ L= ARC LENGTH ⊢ LSA LANDSCAPED AREA ⊣ MAHW MEAN ANNUAL HIGH WATER ⊤ MTL METAL ⊥ M&S MULCH & SHRUBS ⊦ NTS NOT TO SCALE ⊧ NWP NO VISIBLE PIPES ⊨ OV OVER ⊩ R= RADIUS OR RIM ELEVATION ⊪ RET RETAINING ⊫ S SET ⊬ SGR STEEL GUARD RAIL ⊭ SB STONE BOUND ⊮ SQ. FT. SQUARE FEET ⊯ SSW STONE RETAINING WALL ⊰ STF STOCKADE FENCE ⊱ TC TOP OF CURB ⊲ TBM TEMPORARY BENCH MARK ⊳ TH THRESHOLD ⊴ TS TOP OF STEPS ⊵ TW TOP OF WALL ⊶ TYP. TYPICAL ⊷ WF-## WETLAND FLAG NUMBER ⊸ WGR WOOD GUARD RAIL ⊹ -# UTILITY CONTINUES/UNKNOWN DESTINATION ⊺ C COMMUNICATIONS SERVICE ⊻ D DRAIN ⊼ E ELECTRIC ⊽ G GAS ⊞ CHW OVERHEAD WIRES ⊟ S SEWER ⊠ W WATER ⊡ -12" (C) PIPE SIZE AND MATERIAL ⊢ CHT CHIT IRON ⊣ RCP REINFORCED CONCRETE PIPE ⊤ CPP CONCRETE PRESSURE PIPE ⊥ VCP VITRIFIED CLAY PIPE ⊦ DSG DISSIPE GAS ⊧ X-Y METAL FENCE ⊨ WOOD FENCE ⊩ H&D HAND RAIL ⊪ GUARD RAIL ⊫ E EDGE OF WOODED AREA ⊬ STONE WALL |
|--|--|

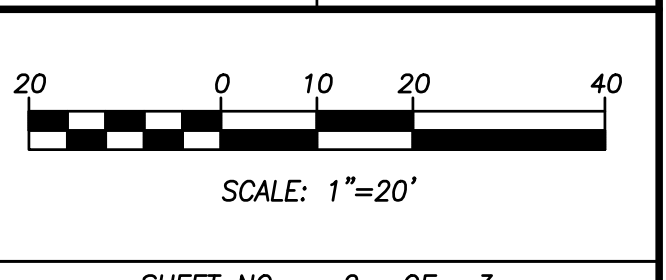
I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST RECORD PLANS, DEEDS, AND CERTIFICATES OF TITLE.

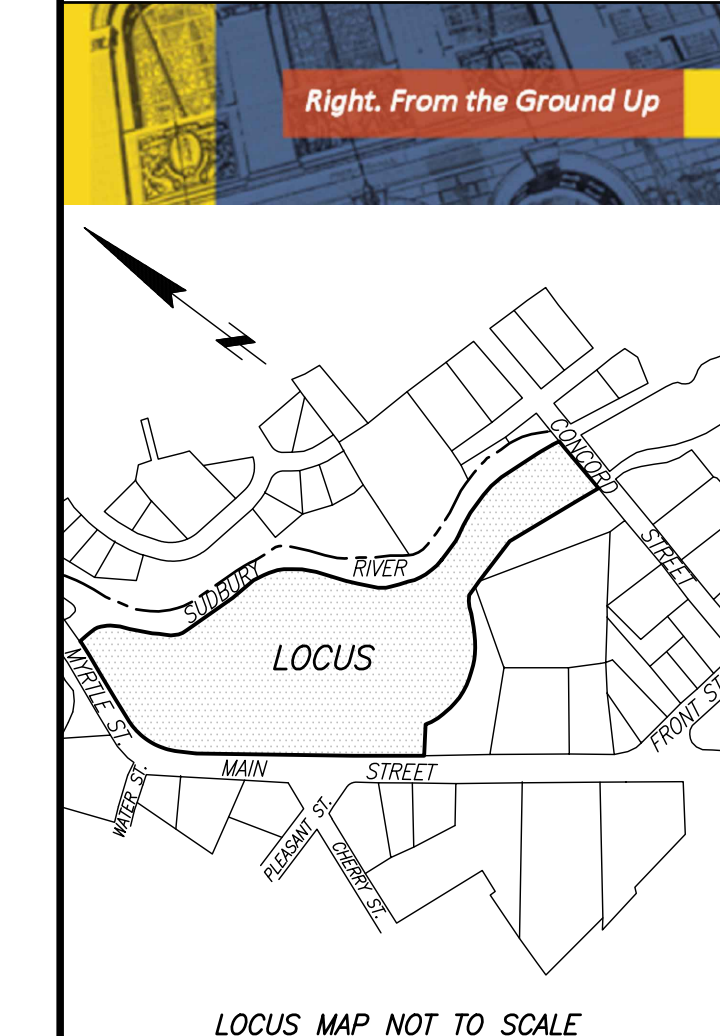
JOSEPH J. ZAMBUTO, PLS DATE 04/17/2025
JZAMBUTO@FELDMANGEO.COM



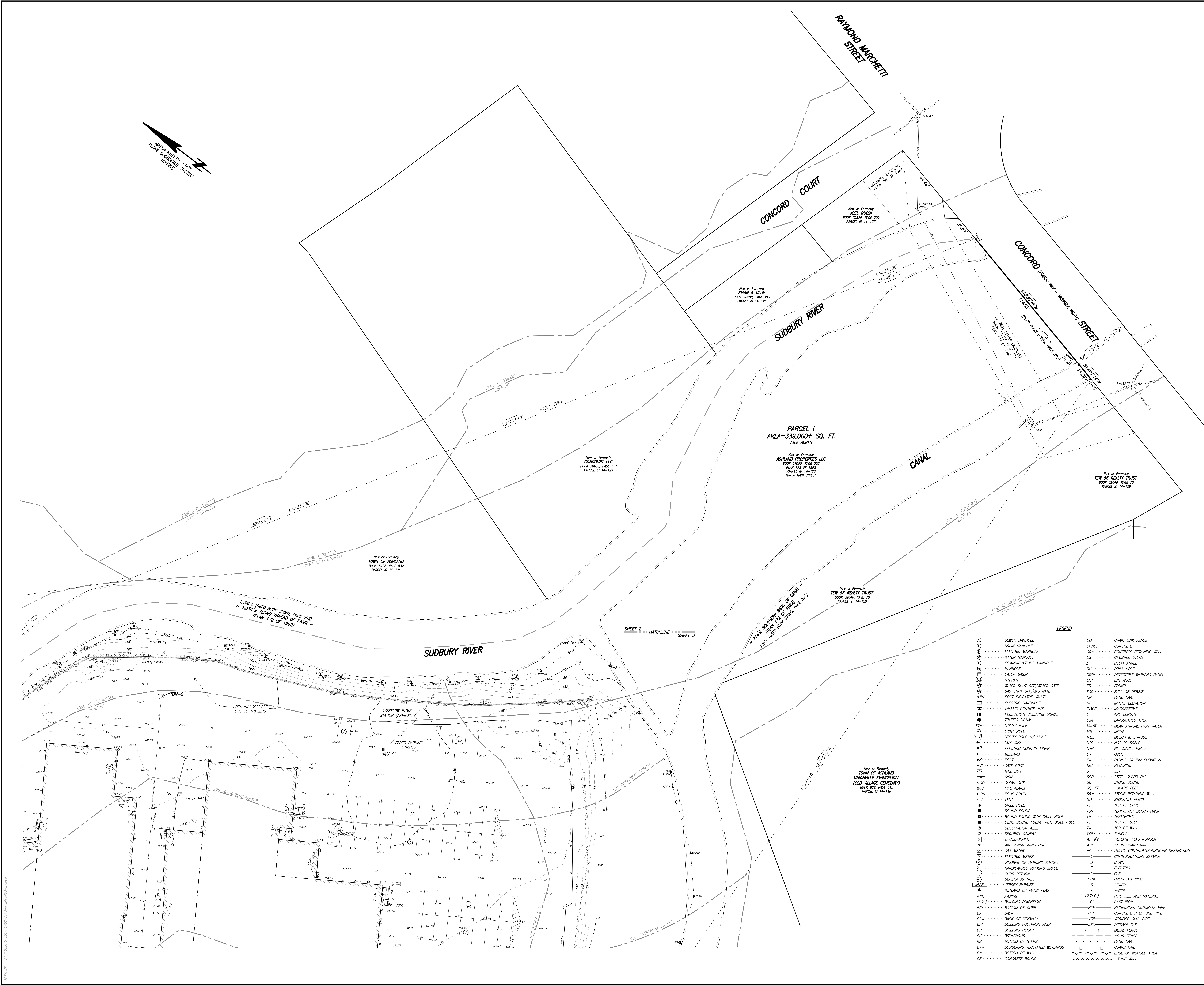
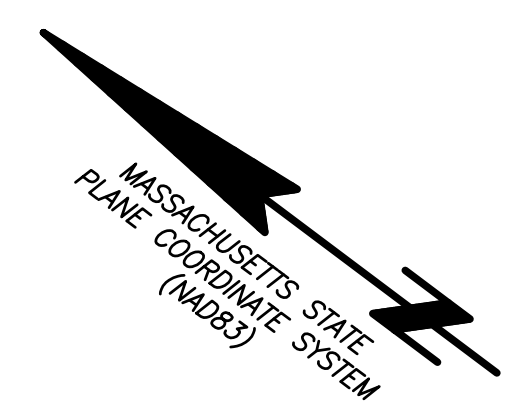
DRAWING NAME:
**EXISTING CONDITIONS
PLAN OF LAND
50 MAIN STREET
ASHLAND, MASS.**

| | | | |
|------------|----------------|--------------|------------|
| DATE: | JUNE 21, 2024 | | |
| REVISIONS: | | | |
| FILENAME: | 2400483-Dx.dwg | | |
| RESEARCH: | HF | FIELD CHIEF: | KF |
| FIELD MGR: | JRZ | APPROVER: | |
| CALC: | HF | DATE: | MM |
| FIELD CHK: | | CRD FILE: | 2400483-DX |





LOCUS MAP NOT TO SCALE



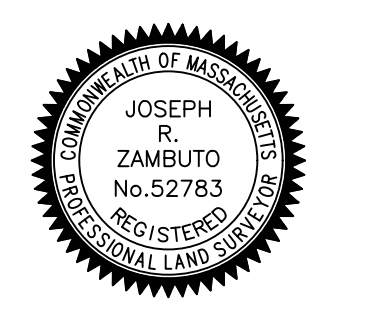
SHEET 2 MATCHLINE SHEET 3

LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> ⊙ SEWER MANHOLE ⊕ DRAIN MANHOLE ⊖ ELECTRIC MANHOLE ⊗ WATER MANHOLE ⊘ COMMUNICATIONS MANHOLE ⊙ MANHOLE ⊚ CATCH BASIN ENT ENTRANCE HD HYDRANT WWS WATER SHUT OFF/WATER GATE GG GAS SHUT OFF/GAS GATE PIV POST INDICATOR VALVE EH ELECTRIC HANDHOLE TC TRAFFIC CONTROL BOX PS PEDESTRIAN CROSSING SIGNAL TS TRAFFIC SIGNAL UP UTILITY POLE UL UTILITY POLE W/ LIGHT GW GUY WIRE ER ELECTRIC CONDUIT RISER B BOLLARD P PROST GP GATE POST MB MAIL BOX S SIGN CO CLEAN OUT FA FIRE ALARM RD ROOF DRAIN V VENT DR DRILL HOLE BF BOUND FOUND BD BOUND FOUND WITH DRILL HOLE CF CONC BOUND FOUND WITH DRILL HOLE OW OBSERVATION WELL SC SECURITY CAMERA TR TRANSFORMER AC AIR CONDITIONING UNIT GM GAS METER EM ELECTRIC METER NS NUMBER OF PARKING SPACES HP HANDICAPPED PARKING SPACE CR CURB RETURN DT DECIDUOUS TREE JB JERSEY BARRIER WETLAND OR MAHW FLAG AW AWNING [DIM] BUILDING DIMENSION BC BOTTOM OF CURB BK BACK BSW BACK OF SIDEWALK BFA BUILDING FOOTPRINT AREA BH BUILDING HEIGHT BT BUTTRESS BS BOTTOM OF STEPS BWV BORDERING VEGETATED WETLANDS BW BOTTOM OF WALL CB CONCRETE BOUND | <ul style="list-style-type: none"> CLF CHAIN LINK FENCE CONC CONCRETE CRW CONCRETE RETAINING WALL CS CRUSHED STONE Δ Δ DELTA ANGLE DR DRILL HOLE DWP DETECTABLE WARNING PANEL ENT ENTRANCE FD FOUND FOD FILL OF DEBRIS HR HAND RAIL IN INVERT ELEVATION INACC INACCESSIBLE ARC ARC LENGTH LSA LANDSCAPED AREA MAHW MEAN ANNUAL HIGH WATER MTL METAL MSS MULCH & SHRUBS NTS NOT TO SCALE NVP NO VISIBLE PIPES OV OVER IR RADIUS OR IRM ELEVATION RET RETAINING S SET SGR STEEL GUARD RAIL SB STONE BOUND SO SQ. FT. SQ SQUARE FEET SKW STONE RETAINING WALL STF STOCKPILE FENCE TC TOP OF CURB TBM TEMPORARY BENCH MARK TH THRESHOLD TS TOP OF STEPS TW TOP OF WALL TYP TYPICAL WF-# WETLAND FLAG NUMBER WGR WOOD GUARD RAIL U UNKNOWN DESTINATION C COMMUNICATIONS SERVICE D DRAIN E ELECTRIC G GAS DHW OVERHEAD WIRES S SEWER W WELTER PIPE SIZE AND MATERIAL CI CAST IRON RCP REINFORCED CONCRETE PIPE CCP CONCRETE PRESSURE PIPE VCP VITRIFIED CLAY PIPE DSS DISSAFE GAS M METAL FENCE W WOOD FENCE H HAND RAIL G GUARD RAIL EWA EDGE OF WOODED AREA SW STONE WALL |
|--|---|

I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST RECORD PLANS, DEEDS, AND CERTIFICATES OF TITLE.

JOSEPH J. ZAMBUTO, PLS DATE 04/17/2025
LMAF 52783



**EXISTING CONDITIONS
PLAN OF LAND**
**50 MAIN STREET
ASHLAND, MASS.**

DATE: JUNE 21, 2024

REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| | | |
| | | |

FILENAME: 2400483-Dx.dwg

| | |
|----------------|----------------------|
| RESEARCH: JFZ | FIELD CHIEF: KF |
| FIELD MGR: JFZ | APPROVER: |
| CALC.: HF | DRAW: MJM |
| FIELD CHK: JFZ | CRD FILE: 2400483-DX |

SCALE: 1"=20'

SHEET NO. 3 OF 3