

Northeast Metropolitan Regional Vocational High School

100 Hemlock Road, Wakefield, MA 01880
DRA PROJECT NO. 20202



- Civil
- Landscape
- Irrigation

VOLUME 1 of 4

BID SET

Issue Date: August 28th, 2023

VOLUME 1 DRAWINGS ARE A PART OF BID PACKAGE, **EARLY SITE PREPARATION**, DATED 1/13/2023. THESE DRAWINGS ALSO INCLUDE ADDENDUM NO. 1 (DATED 2/22/2023).

IRRIGATION AND PORTIONS OF LANDSCAPE DRAWINGS WHERE NOT INCLUDED AS PART OF THE SCOPE FOR THE EARLY SITE PREPARATION BID.

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL H.S. BUILDING COMMITTEE

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Carla Scuzzarella, Ed.D
Brant Snyder
Michael T. Wall

MASSACHUSETTS SCHOOL BUILDING AUTHORITY

40 Broad Street, Suite 500
Boston, MA 02109

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL DISTRICT

Deborah P Davis, School Committee Chair
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DISTRICT COMMUNITIES

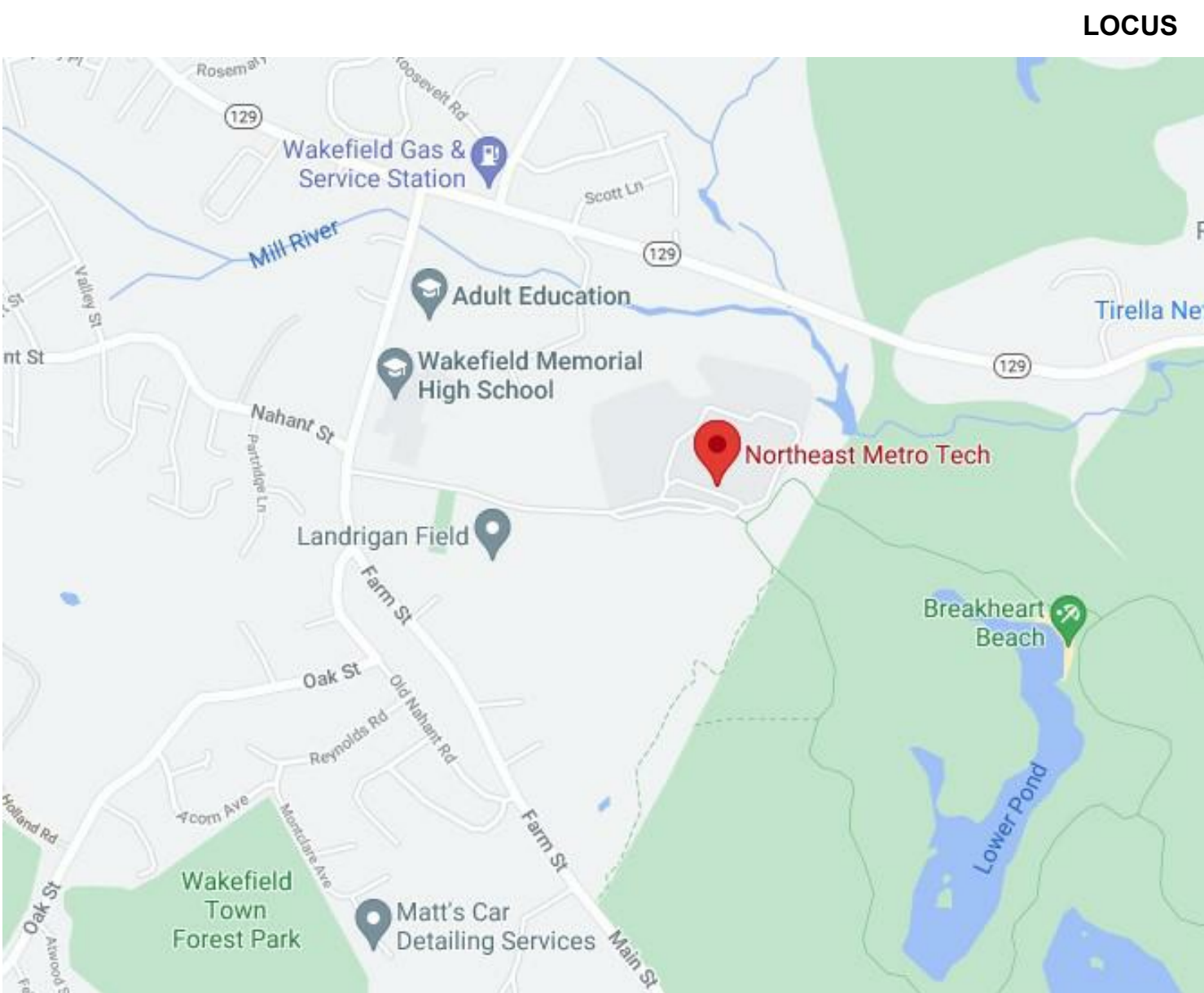
Chelsea, Malden, Melrose, North Reading, Reading, Revere, Saugus, Stoneham, Wakefield, Winchester, Winthrop & Woburn

OWNERS PROJECT MANAGER

PMA Consultants
35 Braintree Hill Office Park, Suite 300
Braintree, MA 02184

CONSTRUCTION MANAGER AT RISK

Gilbane Building Company
10 Channel Center Street, Suite 100
Boston, MA 02210



DRA

ARCHITECT

Drumme Rosane Anderson
260 Charles Street, Studio 300
Waltham, MA 02453
t: 617.964.1700

LANDSCAPE ARCHITECT

Warner Larson
130 West Broadway
Boston, MA 02108
t: 617.464.1440

CIVIL ENGINEER

Nitsch Engineering
2 Center Plaza, Suite 430
Boston, MA 02108
t: 617.338.0063

STRUCTURAL ENGINEER

Engineers Design Group
350 Main Street, Floor 2
Malden, MA 02148
t: 781.396.9007

MEP-FP ENGINEER

Bala Consulting Engineers
52 Temple Place
Boston, MA 02111
t: 617.357.6060

EQUIPMENT CONSULTANT

Point Line
75 Lowell Street
Carlisle, MA 01741
t: 617.314.7501

TECHNOLOGY CONSULTANT

3Si, System Software Support, Inc.
168 Main Street
Northfield, MA 01360
t: 413.498.0069

FOOD SERVICE CONSULTANT

Crabtree McGrath Associates
161 West Main Street
Georgetown, MA 01833
t: 978.352.8500

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CIVIL	
NUMBER	DRAWING NAME
EX-1	TOPOGRAPHIC SURVEY
EX-2	TOPOGRAPHIC SURVEY
EX-3	TOPOGRAPHIC SURVEY
EX-4	TOPOGRAPHIC SURVEY
EX-5	TOPOGRAPHIC SURVEY
EX-6	TOPOGRAPHIC SURVEY
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EX-10	TOPOGRAPHIC SURVEY
EX-11	TOPOGRAPHIC SURVEY
EX-12	TOPOGRAPHIC SURVEY
EX-13	TOPOGRAPHIC SURVEY
EX-14	TOPOGRAPHIC SURVEY
C-000	CIVIL NOTES, LEGENDS, AND ABBREVIATIONS
C-100	KEY PLAN
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C-202	UTILITY DEMOLITION PLAN II
C-202	UTILITY DEMOLITION PLAN III
C-203	UTILITY DEMOLITION PLAN IV
C-204	UTILITY DEMOLITION PLAN V
C-205	UTILITY DEMOLITION PLAN VI
C-300	SEDIMENTATION AND EROSION CONTROL PLAN I
C-301	SEDIMENTATION AND EROSION CONTROL PLAN II
C-302	SEDIMENTATION AND EROSION CONTROL PLAN III
C-303	SEDIMENTATION AND EROSION CONTROL PLAN IV
C-304	SEDIMENTATION AND EROSION CONTROL PLAN V
C-305	SEDIMENTATION AND EROSION CONTROL PLAN VI
C-400	DRAINAGE PLAN I
C-401	DRAINAGE PLAN II
C-402	DRAINAGE PLAN III
C-403	DRAINAGE PLAN IV
C-404	DRAINAGE PLAN V
C-405	DRAINAGE PLAN VI
C-406	DRAINAGE TABLE
C-500	UTILITY SITE PLAN I
C-501	UTILITY SITE PLAN II
C-502	UTILITY SITE PLAN III
C-503	UTILITY SITE PLAN IV
C-504	UTILITY SITE PLAN V
C-505	UTILITY SITE PLAN VI
C-506	UTILITY X-SECTION
C-600	DRIVEWAY LAYOUT AND GRADING PLAN I
C-601	DRIVEWAY LAYOUT AND GRADING PLAN II
C-602	DRIVEWAY LAYOUT AND GRADING PLAN III
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C-604	DRIVEWAY PROFILE
C-605	DRIVEWAY CROSS-SECTIONS
C-700	CIVIL SITE DETAILS I
C-701	CIVIL SITE DETAILS II
C-702	CIVIL SITE DETAILS III
C-703	CIVIL SITE DETAILS IV
C-704	CIVIL SITE DETAILS V
C-705	CIVIL SITE DETAILS VI
ADD ALT-1	ALTERNATE NO. 1 LOCKER BUILDING UTILITY PLAN
ADD ALT-3	ALTERNATE NO. 3 MAINTENANCE BUILDING
C800	WALL PLAN, ELEVATION & SECTION

LANDSCAPE

NUMBER	DRAWING NAME
L000	OVERALL SITE PLAN
L101	DEMO AND SITE PREPARATION PLAN - 1
L102	DEMO AND SITE PREPARATION PLAN - 2
L103	DEMO AND SITE PREPARATION PLAN - 3
L104	DEMO AND SITE PREPARATION PLAN - 4
L105	DEMO AND SITE PREPARATION PLAN - 5
L201	LAYOUT PLAN - 1
L202	LAYOUT PLAN - 2
L203	LAYOUT PLAN - 3
L204	LAYOUT PLAN - 4
L205	LAYOUT PLAN - 5
L301	MATERIALS PLAN - 1
L302	MATERIALS PLAN - 2
L303	MATERIALS PLAN - 3
L304	MATERIALS PLAN - 4
L305	MATERIALS PLAN - 5
L401	GRADING PLAN - 1
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L403	GRADING PLAN - 3
L404	GRADING PLAN - 4
L405	GRADING PLAN - 5
L501	PLANTING PLAN - 1
L502	PLANTING PLAN - 2
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L504	PLANTING PLAN - 4
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L601	LANDSCAPE DETAILS - 1
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L603	LANDSCAPE DETAILS - 3
L604	LANDSCAPE DETAILS - 4
L605	LANDSCAPE DETAILS - 5
L606	LANDSCAPE DETAILS - 6
L607	BOARDWALK HANDRAIL AND GUARDRAIL PLAN - 1
L701	BOARDWALK HANDRAIL AND GUARDRAIL PLAN - 2
L702	BOARDWALK HANDRAIL AND GUARDRAIL PLAN - 3
L703	1703 - PLAZA ENTRANCE JOINTS PLAN
L801	ALTERNATE NO. 1 LOCKER BUILDING
L901	SIGNAGE & PAVEMENT MARKINGS PLAN

IRRIGATION

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I102	IRRIGATION PLAN
I201	IRRIGATION DETAILS
L202	IRRIGATION DETAILS

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S0-0.2	TYPICAL DETAILS
S0-0.3	TYPICAL DETAILS
S0-0.4	TYPICAL DETAILS
S0-0.5	TYPICAL DETAILS
S0-0.6	TYPICAL DETAILS
S0-0.7	TYPICAL DETAILS
S0-0.8	TYPICAL DETAILS
S0-0.9	TYPICAL DETAILS
S1-1-00	LOWER LEVEL FOUNDATION PLAN - AREA C
S1-1-00MC	MEZZANINE FLOOR FRAMING PLAN - AREA C
S1-1-0MD	MEZZANINE FLOOR FRAMING PLAN - AREA D
S1-1-1A	FIRST FLOOR FOUNDATION PLAN - AREA A
S1-1-1B	FIRST FLOOR FOUNDATION PLAN - AREA B
S1-1-1C	FIRST FLOOR FOUNDATION PLAN - AREA C
S1-1-1D	FIRST FLOOR FOUNDATION PLAN - AREA D
S1-1-1MA	MEZZANINE FLOOR FRAMING - AREA A
S1-1-1MB	MEZZANINE FLOOR FRAMING - AREA B
S1-1-2A	SECOND FLOOR FRAMING PLAN - AREA A
S1-1-2B	SECOND FLOOR FRAMING PLAN - AREA B
S1-1-2C	SECOND FLOOR FRAMING PLAN - AREA C
S1-1-2D	SECOND FLOOR FRAMING PLAN - AREA D
S1-1-3A	THIRD FLOOR FRAMING PLAN - AREA A
S1-1-3B	THIRD FLOOR FRAMING PLAN - AREA B
S1-1-3C	THIRD FLOOR FRAMING PLAN - AREA C
S1-1-3D	THIRD FLOOR FRAMING PLAN - AREA D
S1-1-4A	FOURTH FLOOR FRAMING PLAN - AREA A
S1-1-4B	FOURTH FLOOR FRAMING PLAN - AREA B
S1-1-4C	FOURTH FLOOR FRAMING PLAN - AREA C
S1-1-4D	FOURTH FLOOR FRAMING PLAN - AREA D
S1-1-5A	ROOF FRAMING PLAN - AREA A
S1-1-5B	ROOF FRAMING PLAN - AREA B
S1-1-5C	ROOF FRAMING PLAN - AREA C
S1-1-5D	ROOF FRAMING PLAN - AREA D
S1-1-6	JOIST DRUNNAGE FRAMING PARTS
S2-0.1	SECTIONS
S2-0.2	SECTIONS
S2-0.3	SECTIONS
S2-0.4	SECTIONS
S2-0.5	SECTIONS
S3-0.1	SECTIONS
S3-0.2	SECTIONS
S3-0.3	SECTIONS
S3-0.4	SECTIONS
S3-0.5	SECTIONS
S3-0.6	SECTIONS
S3-0.7	SECTIONS
S3-0.8	SECTIONS
S3-0.9	SECTIONS
S4-0.1	BRACE FRAME ELEVATIONS - AREA A
S4-0.2	BRACE FRAME ELEVATION - AREAS A + B
S4-0.3	BRACE FRAME ELEVATION - AREA B
S4-0.4	BRACE FRAME ELEVATION C + D
S4-0.5	SHEAR WALLS
S4-0.6	SHEAR WALLS
S4-0.7	SHEAR WALLS
S4-0.8	BRACED FRAME DETAILS
S4-0.9	BRACED FRAME DETAILS
S5-0.1	JOIST LOADING DIAGRAMS
S5-0.2	JOIST LOADING DIAGRAMS
S5-0.3	JOIST LOADING DIAGRAMS
SC-1.1	CONCESSION BUILDING PLANS
SC-2.1	CONCESSION BUILDING SECTIONS
SL-1.1	LOCKER ROOM BUILDING SECTIONS
SL-2.1	LOCKER ROOM BUILDING SHEAR WALLS
SM-1.1	MAINTENANCE BUILDING FOUNDATION PLANS
SS-1.1	SITE BUILDING FOUNDATION PLANS

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CODE ANALYSIS

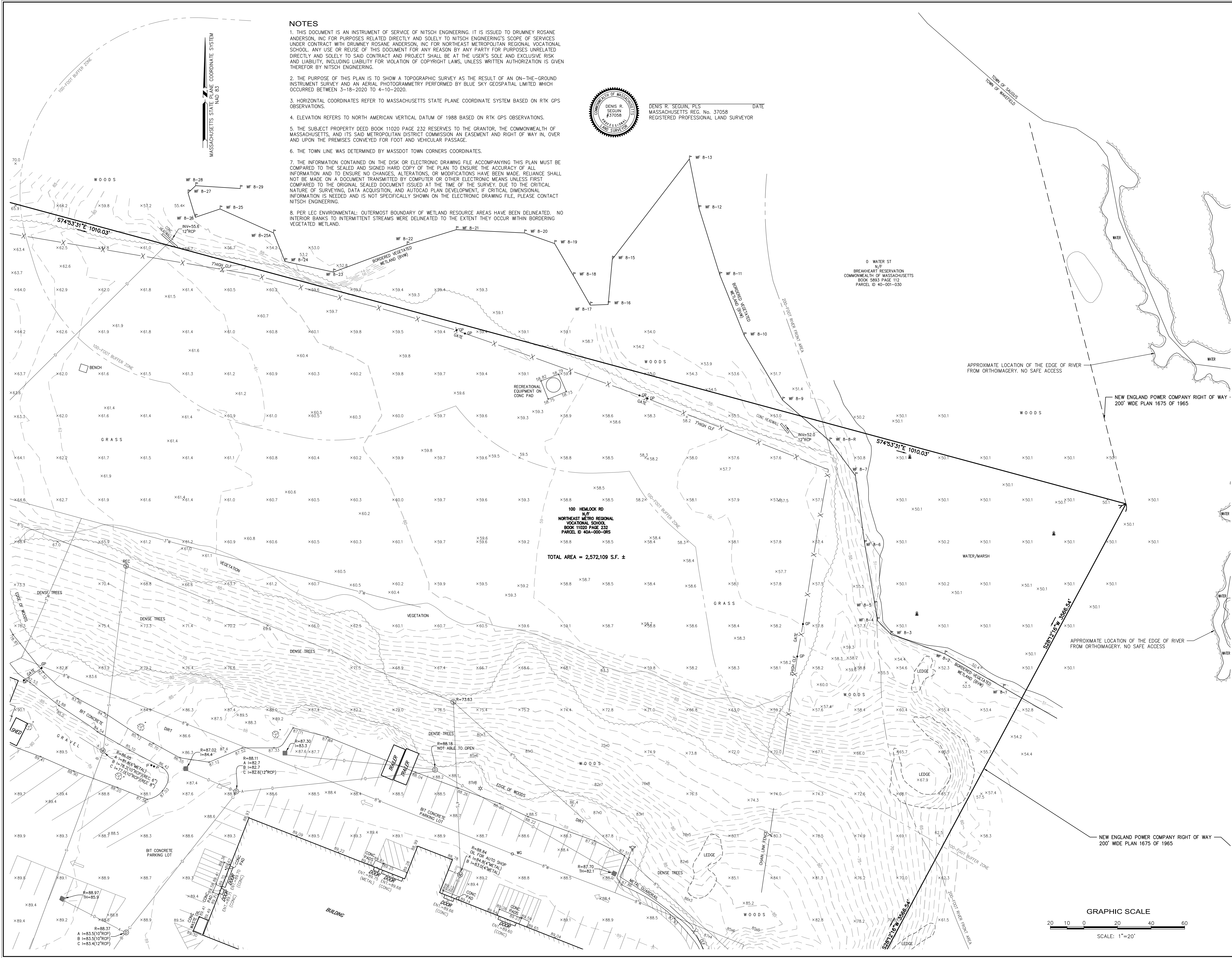
NUMBER	DRAWING NAME
CD-1.1	CODE ANALYSIS LOWER LEVEL
CD-1.2	CODE ANALYSIS FIRST FLOOR
CD-1.3	CODE ANALYSIS FIRST FLOOR MEZZ
CD-1.4	CODE ANALYSIS SECOND FLOOR
CD-1.5	CODE ANALYSIS THIRD FLOOR
CD-1.6	CODE ANALYSIS FOURTH FLOOR

ARCHITECTURAL

NUMBER	DRAWING NAME
A0-2.1	SYMBOLS & ABBREVIATIONS
A1-0.0	PARTITION TYPES
A1-0.1	OVERALL LOWER LEVEL & FIRST FLOOR PLANS
A1-0.2	OVERALL LOWER LEVEL AND FIRST FLOOR MEZZ. PLANS
A1-0.3	OVERALL SECOND FLOOR PLAN
A1-0.4	OVERALL THIRD FLOOR PLAN
A1-0.5	OVERALL FOURTH FLOOR PLAN
A1-0.6	OVERALL ROOF PLAN
A1-0.7	LOWER LEVEL BUILDING LAYOUT & EDGE OF SLAB PLAN
A1-0.8	FIRST FLOOR BUILDING LAYOUT & EDGE OF SLAB PLAN
A1-0.9	SECOND & THIRD FLOOR EDGE OF SLAB PLANS
A1-0.10	FOURTH FLOOR EDGE OF SLAB PLAN
A1-1-0C	LOWER LEVEL FLOOR PLAN - AREA C
A1-1-0D	LOWER LEVEL FLOOR PLAN - AREA D
A1-1-0MC	LOWER LEVEL MEZZANINE PLAN - AREA C
A1-1-0MD	LOWER LEVEL MEZZANINE PLAN - AREA D
A1-1-1A	FIRST FLOOR PLAN - AREA A
A1-1-1B	FIRST FLOOR PLAN - AREA B
A1-1-1C	FIRST FLOOR PLAN - AREA C
A1-1-1D	FIRST FLOOR PLAN - AREA D
A1-1-1MA	FIRST FLOOR MEZZANINE PLAN - AREA A
A1-1-1MB	FIRST FLOOR MEZZANINE PLAN - AREA B
A1-1-2A	SECOND FLOOR PLAN - AREA A
A1-1-2B	SECOND FLOOR PLAN - AREA B
A1-1-2C	SECOND FLOOR PLAN - AREA C
A1-1-2D	SECOND FLOOR PLAN - AREA D
A1-1-3A	THIRD FLOOR PLAN - AREA A
A1-1-3B	THIRD FLOOR PLAN - AREA B
A1-1-3C	THIRD FLOOR PLAN - AREA C
A1-1-3D	THIRD FLOOR PLAN - AREA D
A1-1-4A	FOURTH FLOOR PLAN - AREA A
A1-1-4B	FOURTH FLOOR PLAN - AREA B
A1-1-4C	FOURTH FLOOR PLAN - AREA C
A1-1-4D	FOURTH FLOOR PLAN - AREA D
A1-2-1A	ROOF PLAN - AREA A
A1-2-1B	ROOF PLAN - AREA B
A1-2-1C	ROOF PLAN - AREA C
A1-2-1D	ROOF PLAN - AREA D
A2-0.1	OVERALL BUILDING ELEVATIONS
A2-1.1	BUILDING ELEVATIONS
A2-1.2	BUILDING ELEVATIONS
A2-1.3	BUILDING ELEVATIONS
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A2-2.1	INTERIOR ELEVATIONS
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A2-2.14	INTERIOR ELEVATIONS
A2-2.15	INTERIOR ELEVATIONS
A2-2.16	INTERIOR ELEVATIONS
A3-1.1	BUILDING SECTIONS
A3-1.2	BUILDING SECTIONS
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A3-1.6	BUILDING SECTIONS

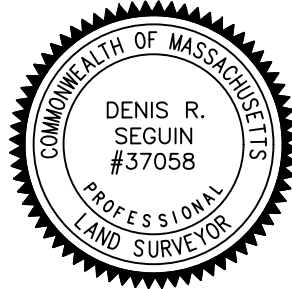
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A3-2.1	WALL SECTIONS
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A3-2.3	WALL SECTIONS
A3-2.4	WALL SECTIONS
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A3-2.30	WALL SECTIONS
A3-3.1	VERTICAL DETAILS
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A3-3.3	VERTICAL DETAILS
A3-3.4	VERTICAL DETAILS
A3-3.5	VERTICAL DETAILS
A4-1.1	TOILET AND LOCKER ROOM PLANS
A4-1.2	TOILET PLANS
A4-1.3	TOILET PLANS
A4-1.4	TOILET AND LOCKER ROOM ELEVATIONS
A4-1.5	TOILET AND LOCKER ROOM ELEVATIONS
A4-1.6	TOILET ELEVATIONS
A4-1.7	TOILET ELEVATIONS
A4-1.8	EXTERIOR PLAN DETAILS
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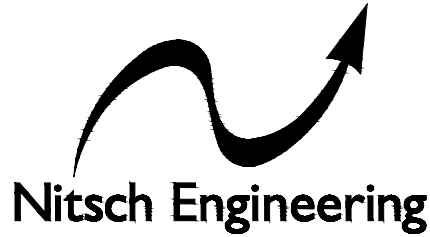
NOTES

1. THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF NITSCH ENGINEERING. IT IS ISSUED TO DRUMNEY ROSANE ANDERSON, INC FOR PURPOSES RELATED DIRECTLY AND SOLELY TO NITSCH ENGINEERING'S SCOPE OF SERVICES UNDER CONTRACT WITH DRUMNEY ROSANE ANDERSON, INC FOR NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT AND PROJECT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN AUTHORIZATION IS GIVEN THEREFOR BY NITSCH ENGINEERING.
2. THE PURPOSE OF THIS PLAN IS TO SHOW A TOPOGRAPHIC SURVEY AS THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY AND AN AERIAL PHOTOGRAMMETRY PERFORMED BY BLUE SKY GEOSPATIAL LIMITED WHICH OCCURRED BETWEEN 3-18-2020 TO 4-10-2020.
3. HORIZONTAL COORDINATES REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM BASED ON RTK GPS OBSERVATIONS.
4. ELEVATION REFERS TO NORTH AMERICAN VERTICAL DATUM OF 1988 BASED ON RTK GPS OBSERVATIONS.
5. THE SUBJECT PROPERTY DEED BOOK 11020 PAGE 232 RESERVES TO THE GRANTOR, THE COMMONWEALTH OF MASSACHUSETTS, AND ITS SAID METROPOLITAN DISTRICT COMMISSION AN EASEMENT AND RIGHT OF WAY IN, OVER AND UPON THE PREMISES CONVEYED FOR FOOT AND VEHICULAR PASSAGE.
6. THE TOWN LINE WAS DETERMINED BY MASSDOT TOWN CORNERS COORDINATES.
7. THE INFORMATION CONTAINED ON THE DISK OR ELECTRONIC DRAWING FILE ACCOMPANYING THIS PLAN MUST BE COMPARED TO THE SEALED AND SIGNED HARD COPY OF THE PLAN TO ENSURE THE ACCURACY OF ALL INFORMATION AND TO ENSURE NO CHANGES, ALTERATIONS, OR MODIFICATIONS HAVE BEEN MADE. RELIANCE SHALL NOT BE MADE ON A DOCUMENT TRANSMITTED BY COMPUTER OR OTHER ELECTRONIC MEANS UNLESS FIRST COMPARED TO THE ORIGINAL SEALED DOCUMENT ISSUED AT THE TIME OF THE SURVEY. DUE TO THE CRITICAL NATURE OF SURVEYING, DATA ACQUISITION, AND AUTOCAD PLAN DEVELOPMENT, IF CRITICAL DIMENSIONAL INFORMATION IS NEEDED AND IS NOT SPECIFICALLY SHOWN ON THE ELECTRONIC DRAWING FILE, PLEASE CONTACT NITSCH ENGINEERING.
8. PER LEO ENVIRONMENTAL: OUTERMOST BOUNDARY OF WETLAND RESOURCE AREAS HAVE BEEN DELINEATED. NO INTERIOR BANKS TO INTERMITTENT STREAMS WERE DELINEATED TO THE EXTENT THEY OCCUR WITHIN BORDERING VEGETATED WETLAND.



DENIS R. SEQUIN, PLS
MASSACHUSETTS REG. NO. 37058
REGISTERED PROFESSIONAL LAND SURVEYOR

DATE



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100 HEMLOCK ROAD, WAKEFIELD, MA

PREPARED FOR:
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REV.	COMMENTS	DATE
D	ADDED WETLAND NOTES	7/10/20
C	ADDED WETLAND NOTES	6/10/20
B	TEST PITS & REVISED WETLAND	5/22/20
A	ADDED TEST PITS AND BORINGS	2/20/20

PROJECT # 13872.1
FILE: 13872_TOPO1.dwg
SCALE: 1"=20'
DATE: 06/20/20
DES./COMP: DRS
FIELD BOOK: 765/766
DRAFTED BY: IOS
CHECKED BY:

SHEET: I

EX-1

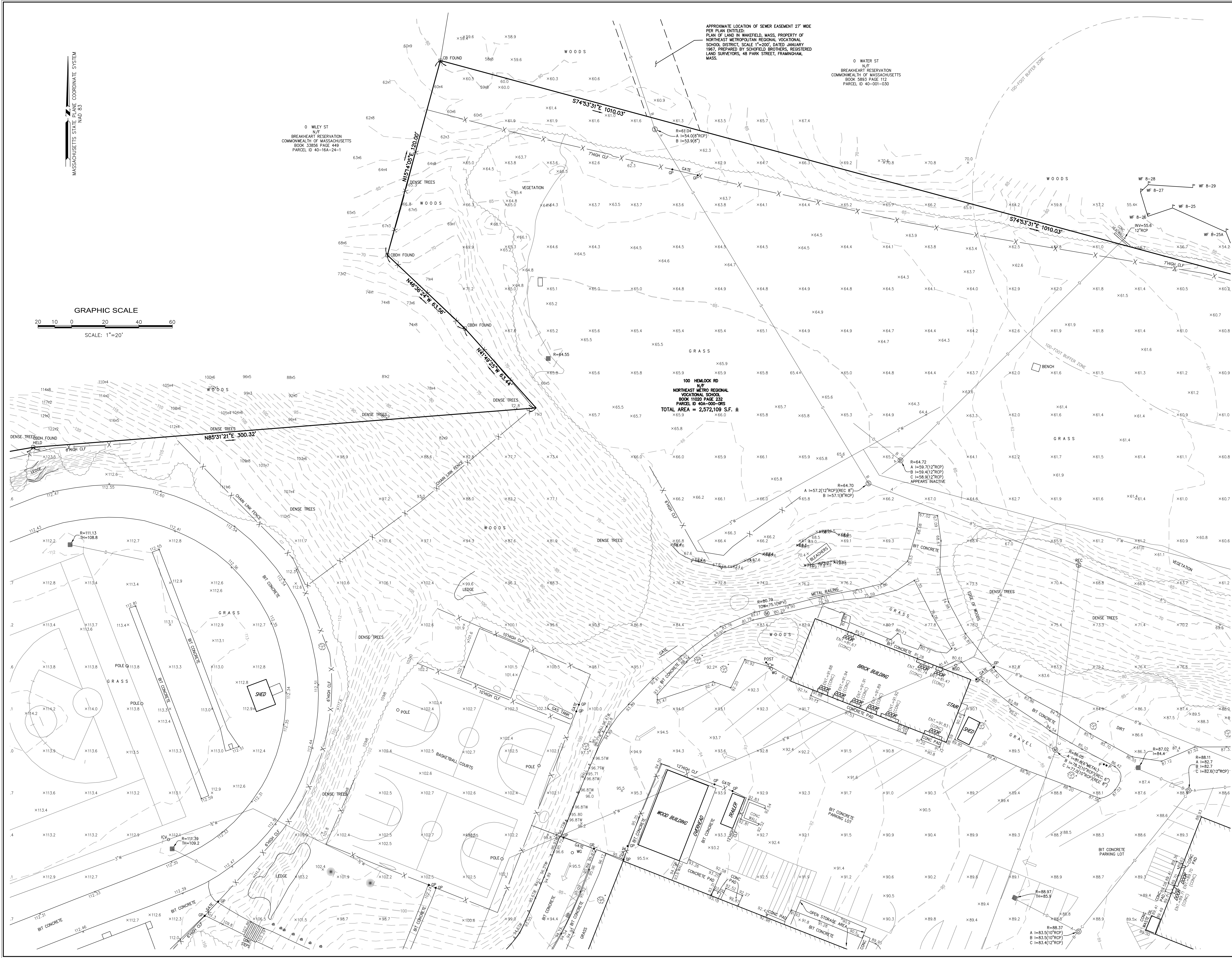
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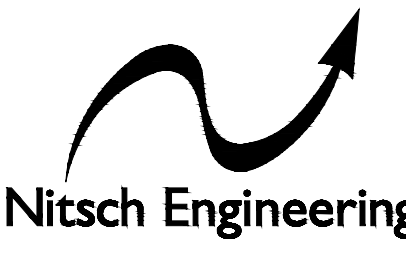
REV. D

GRAPHIC SCALE

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SCALE: 1"=20'





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C	ADDED WETLAND NOTES	8/10/20
B	TEST PITS & REVISED WETLANDS	5/22/20
A	ADDED TEST PITS AND BORINGS	2/20/20
REV.	COMMENTS	DATE
REVISIONS		

PROJECT # 13872.1
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SCALE: 1"=20'
DATE: 6/3/2020
DES./COMP: DRS
FIELD BOOK: 765/766
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SHEET: 2

EX-2

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REV.	COMMENTS	DATE
D	ADDED WETLAND NOTES	7/20/21
C	ADDED WETLAND NOTES	8/10/21
B	TEST PITS & REVISED WETLAND	9/22/21
A	ADDED TEST PITS AND BORINGS	10/20/21
REV.	COMMENTS	DATE
	REVISIONS	

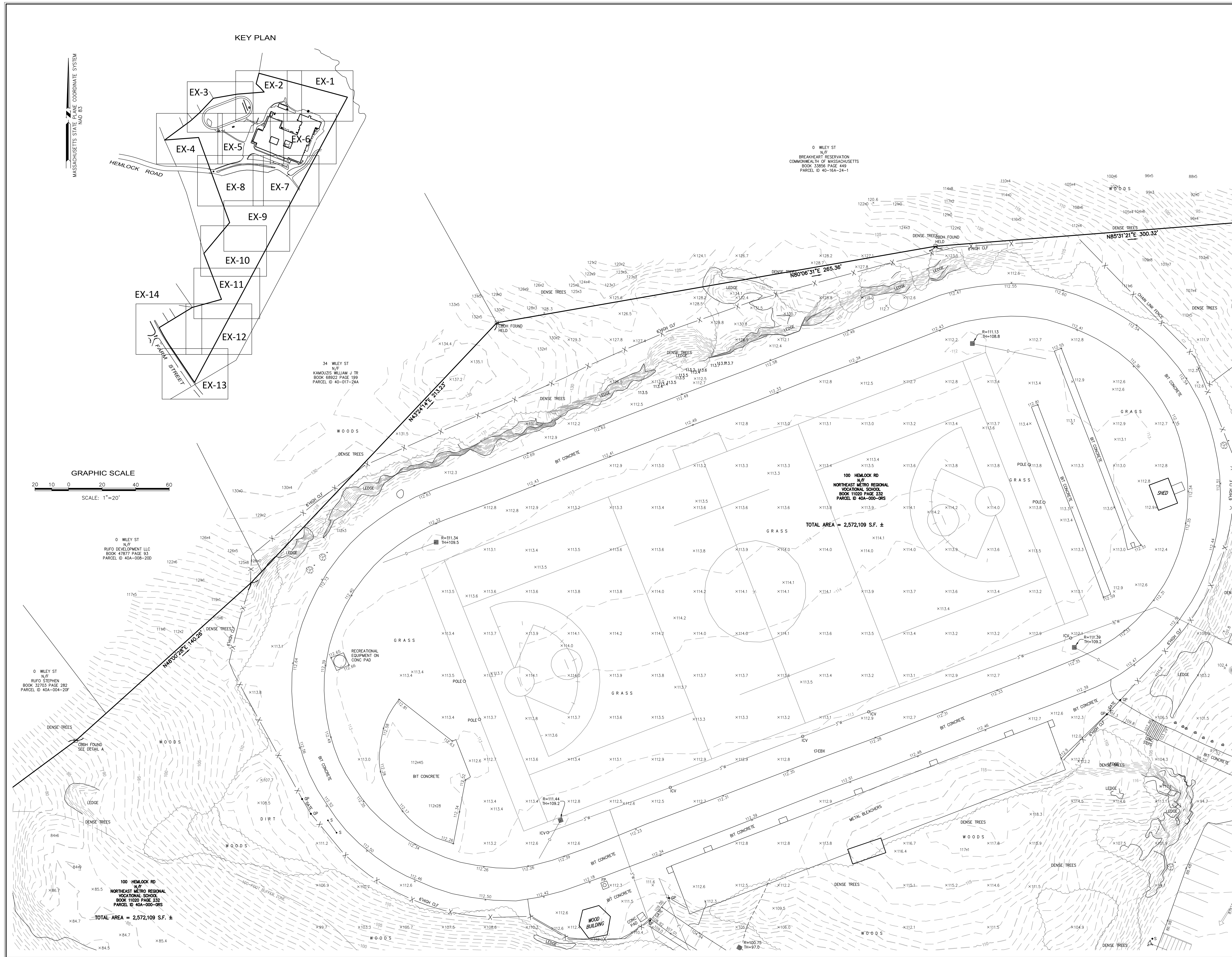
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DES./COMP: DRS
FIELD BOOK: 765/766
DRAFTED BY: IOS
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SHEET: 3

EX-3

OF 14

REV. D



1. THE SUB-SURFACE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION, RECORD INFORMATION AS SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES, AND PLAN INFORMATION SUPPLIED BY THE CLIENT, IF ANY; THEREFORE WE CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SURFACE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE. ONLY PHYSICALLY LOCATED SUB-SURFACE UTILITY FEATURES FALL WITHIN NORMAL STANDARD OF CARE ACCURACIES.

3. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.

5. IT IS INCUMBENT UPON INDIVIDUALS USING THIS INFORMATION TO UNDERSTAND THAT COMPILING UTILITY INFORMATION IS NOT EXACT, AND IS SUBJECT TO CHANGE BASED UPON VARYING PLAN INFORMATION RECEIVED AND ACTUAL LOCATIONS.

6. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER MATTERS.

7. THE PROPER UTILITY ENGINEERING/COMPANY SHOULD BE CONSULTED AND THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES SHOULD BE VERIFIED IN THE FIELD (V.I.F.) BEFORE PLANNING FUTURE CONNECTIONS. CONTACT THE DIG SAFE CALL CENTER AT 1-888-344-7233, SEVENTY-TWO HOURS PRIOR TO EXCAVATION, BLASTING, GRADING, AND/OR PAVING.

8. AS OF THE DATE OF THIS PLAN RECORD INFORMATION HAS NOT BEEN RECEIVED BY NITSCH ENGINEERING FOR THE FOLLOWING UTILITIES:

- DEPARTMENT OF CONSERVATION AND RECREATION (DCR)
- COMCAST
- VERIZON
- VERIZON BUSINESS/MCI

0 WILEY ST
N/F
RUFO STEPHEN
BOOK 32703 PAGE 282
PARCEL ID 40A-007-20C

100 HEMLOCK RD
N/F
NORTHEAST METRO REGIONAL
VOCATIONAL SCHOOL
BOOK 11020 PAGE 232
PARCEL ID 40A-000-0RS

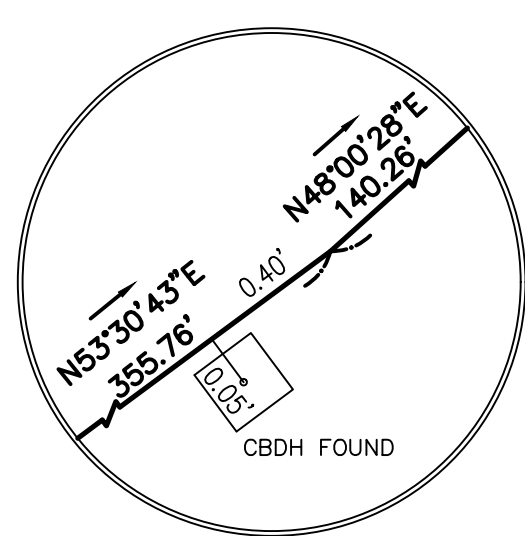
PER LEC COMMENT ON 5-24-2021:
SOUTH SIDE OF ON-SITE
INTERMITTENT STREAM AND
BORDERING VEGETATED WETLAND
NOT DELINEATED

 CATCH BASIN
 CATCH TELEVISION MANHOLE
 DRAIN MANHOLE
 ELECTRIC MANHOLE
 MISCELLANEOUS MANHOLE
 SEWER MANHOLE
 TELEPHONE MANHOLE
 WATER MANHOLE
 GAS SHUT-OFF
 WATER SHUT-OFF
 GAS GATE
 WATER GATE
 IRRIGATION CONTROL VALVE
 CLEANOUT
 BWH
 FIRE HYDRANT
 DOWN SPOUT
 UTILITY POLE
 POLE WITH CONDUIT LINE TO GROUND
 LIGHT POLE
 LIGHT BOLLARD
 LANDSCAPE LIGHT
 HAND HOLE
 TRASH CAN
 FIRE ALARM CALL BOX
 METAL POST
 CONCRETE POST
 PARKING METER
 SIGN POST
 TRAFFIC MAST ARM
 TRAFFIC SIGNAL
 PEDESTRIAN SIGNAL
 DECIDUOUS TREE WITH TRUNK DIAMETER
 CONIFEROUS TREE WITH TRUNK DIAMETER
 HANDICAP PARKING
 SPOT ELEVATION
 CHAIN LINK FENCE
 BITUMINOUS CONCRETE BERM
 SLOPED GRANITE CURB
 VERTICAL GRANITE CURB
 VERTICAL CONCRETE CURB
 WHEELCHAIR RAMP
 LANDSCAPED AREA
 RIM ELEVATION EQUALS
 INVERT ELEVATION EQUALS
 TOP OF HOOD ELEVATION EQUALS
 NO PIPES VISIBLE
 TOP OF WATER
 TRAFFIC CONTROL BOX
 UNDERGROUND LOOP DETECTOR
 DETECTABLE WARNING PANEL
 TOP OF WALL ELEVATION
 UNDERGROUND CATCH TELEVISION LINE
 UNDERGROUND DRAIN LINE
 UNDERGROUND ELECTRIC LINE
 UNDERGROUND GAS LINE
 UNDERGROUND SEWER LINE
 UNDERGROUND TELEPHONE LINE
 UNDERGROUND WATER LINE
 OVERHEAD WIRES
 MONITORING WELL
 BENCH MARK
 ROCK

PER LEC COMMENT ON 5-24-2021:
SOUTH/WEST SIDE OF
INTERMITTENT STREAM AND
BORDERING VEGETATED WETLAND
NOT DELINEATED

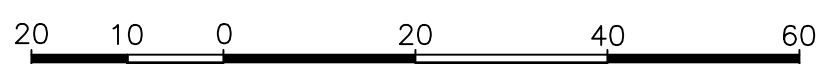
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N/F
N OF WAKEFIELD DPM
BOOK 8526 PAGE 287
CEL ID 40A-009-02

DETAIL "A"
NOT TO SCALE



0 FARM ST
N/F
TOWN OF WAKEFIELD SCHOOL
BOOK 265 PAGE 247
PARCEL ID 40-011-017

GRAPHIC SCALE



SCALE: 1"=20'



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D	ADDED WETLAND NOTES	7/7/2021
C	ADDED WETLAND NOTES	6/15/2021
B	TEST PITS & REVISED WETLAND	5/27/2021
A	ADDED TEST PITS AND BORINGS	2/3/2021
REV.	COMMENTS	DATE
	REVISIONS	

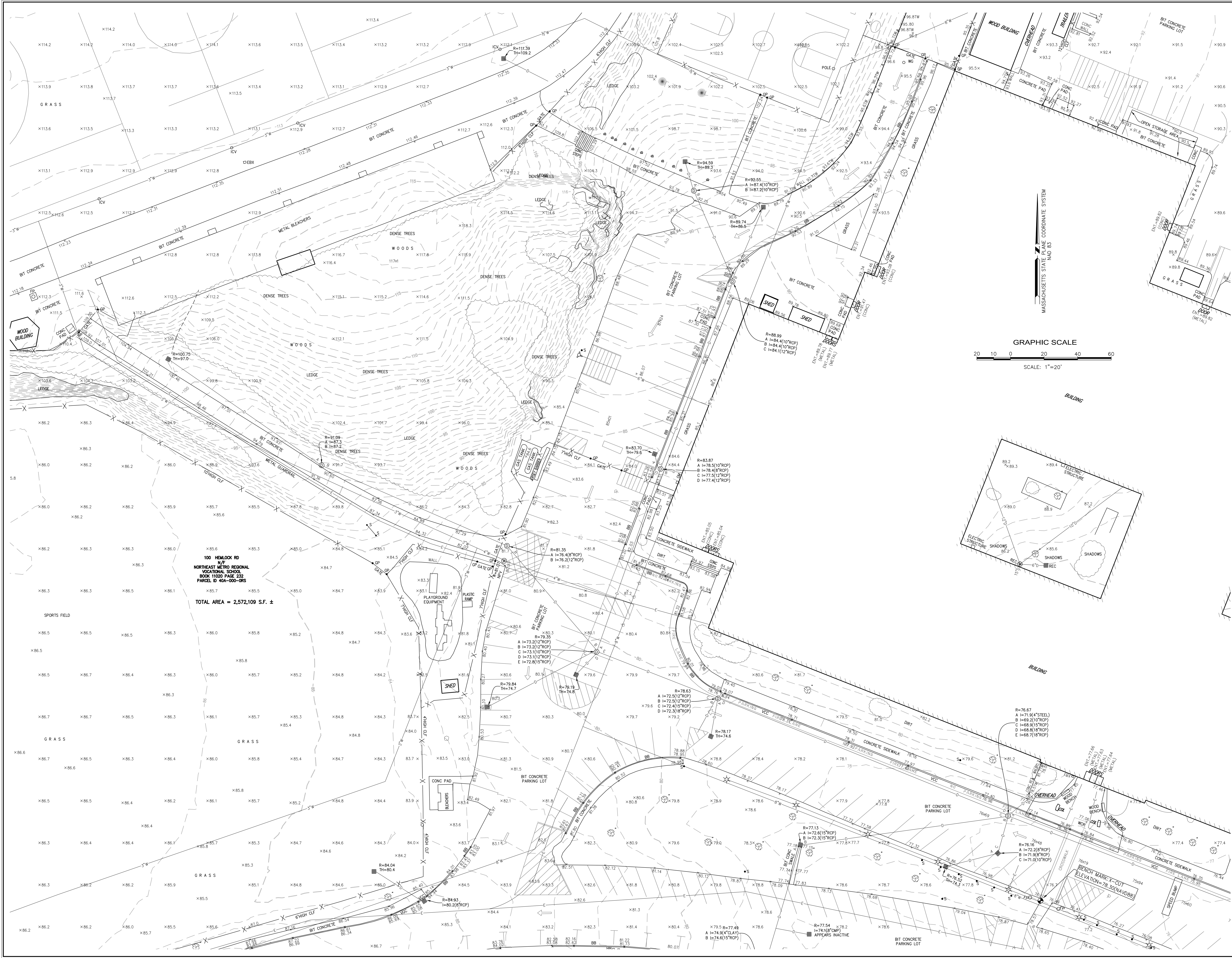
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DATE:	6/3/2020
DES./COMP:	DRS
FIELD BOOK:	765/766
DRAFTED BY:	IOS
CHECKED BY:	

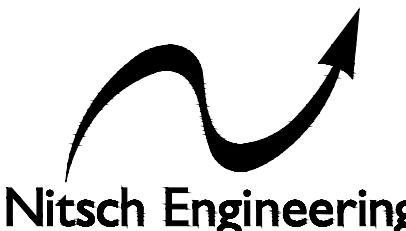
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OF 14

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EX-4





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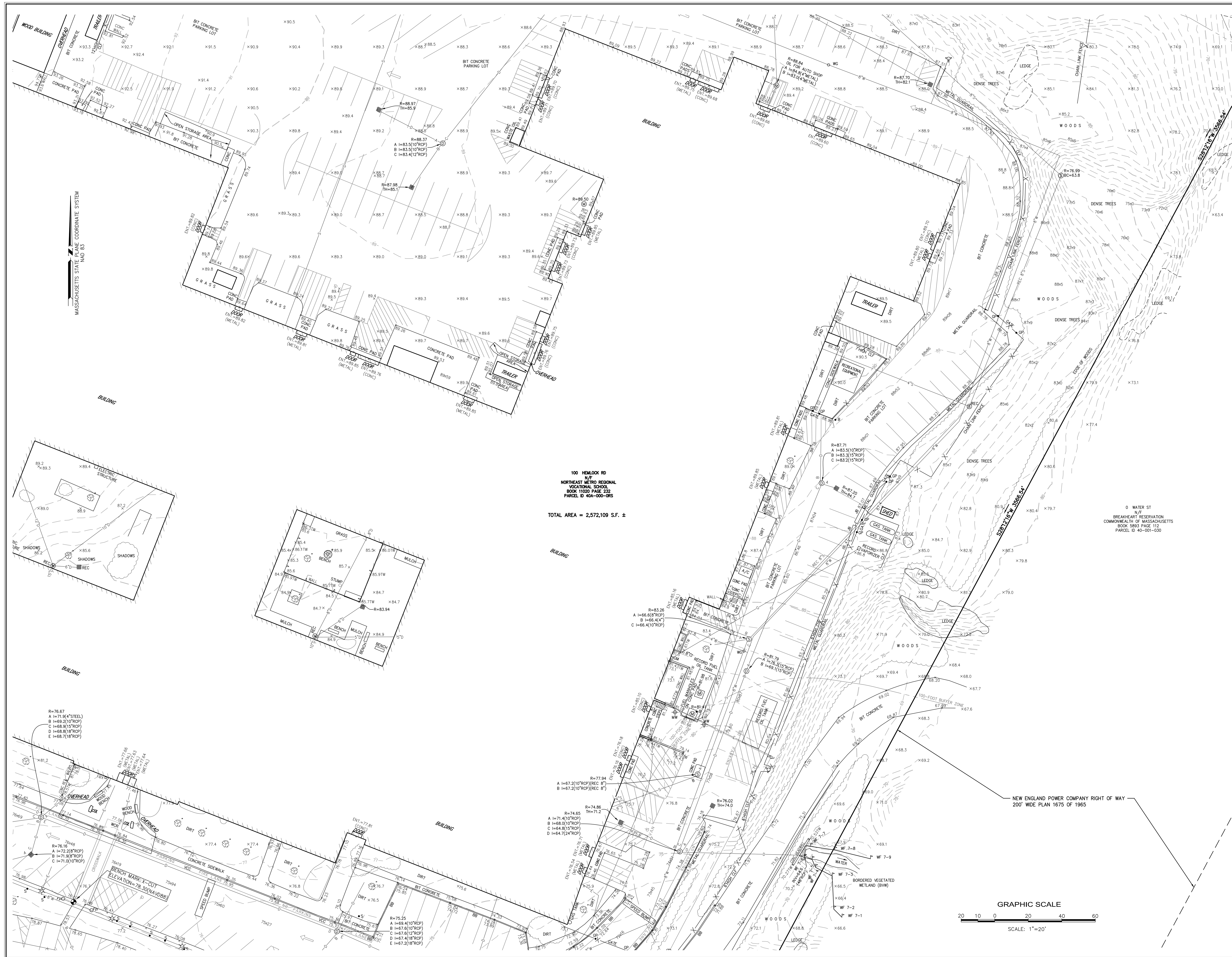
REV.	COMMENTS	DATE
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C	ADDED WETLAND NOTES	6/10/20
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PROJECT #	13872.1
FILE:	13872_TOPO1.dwg
SCALE:	1"=20'
DATE:	6/3/2020
DES./COMP:	DRS
FIELD BOOK:	765/766
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EX-5

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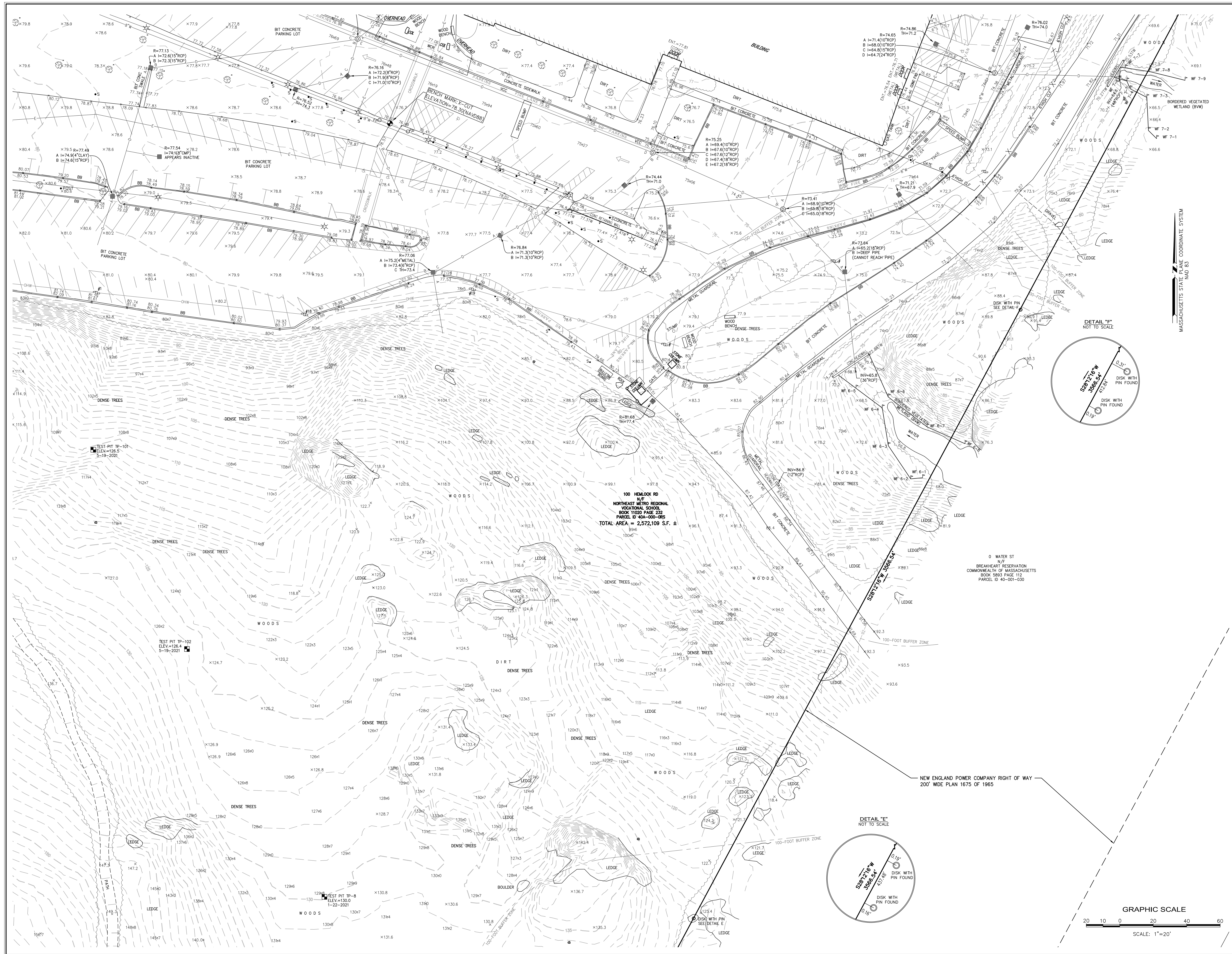
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C	ADDED WETLAND NOTES	6/10/20
B	TEST PITS & REVISED WETLAND	5/22/20
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PROJECT # 13872.1
FILE: 13872_TOPO1.dwg
SCALE: 1"=20'
DATE: 6/3/2020
DES./COMP: DRS
FIELD BOOK: 765/766
DRAFTED BY: IOS
CHECKED BY:

SHEET: 6

EX-6

OF 14 REV. D



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REVISIONS		

PROJECT #	13872.1
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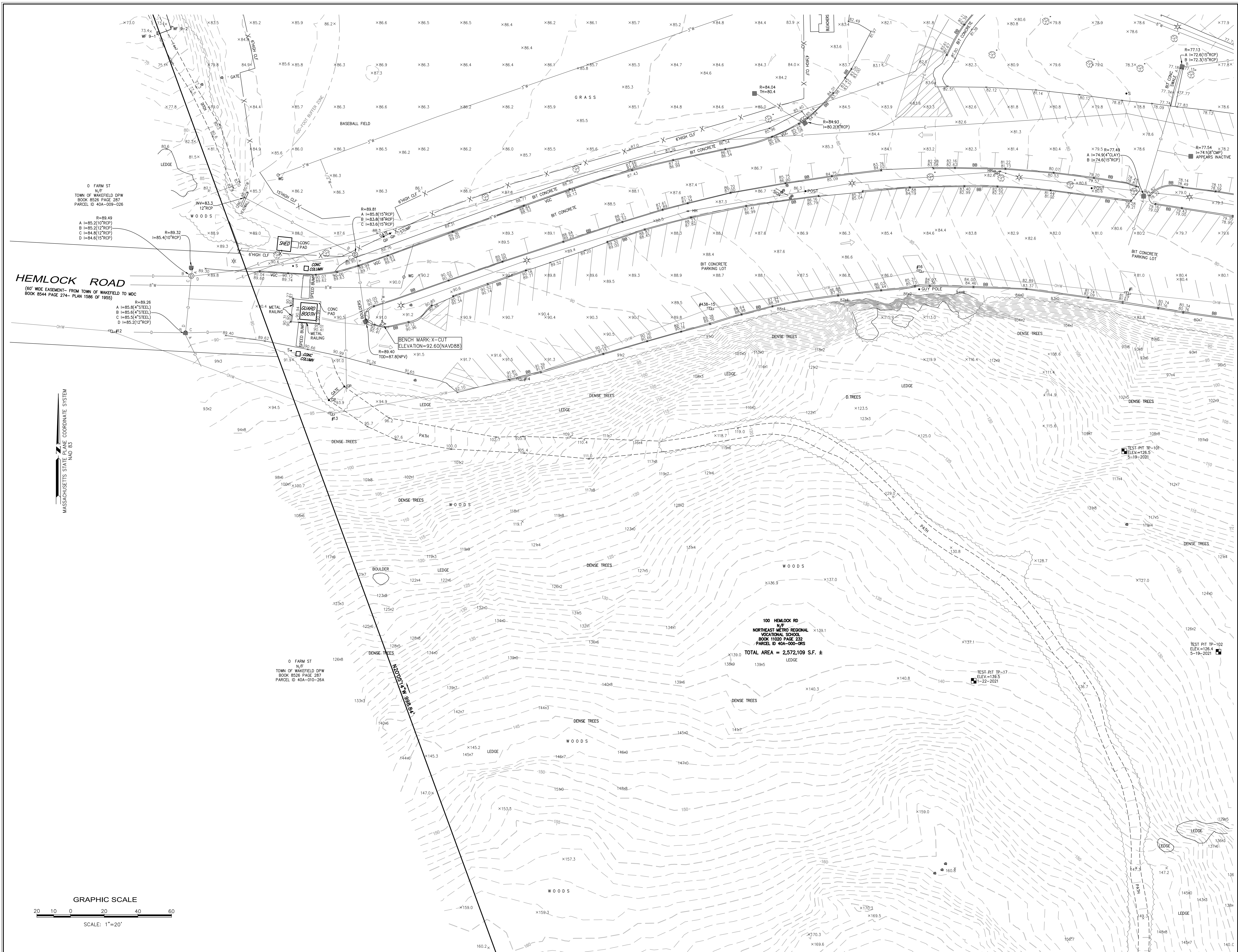
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EX-7

OF 14 REV. D



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D	ADDED WETLAND NOTES	7/7/2021
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EV.	COMMENTS	DATE
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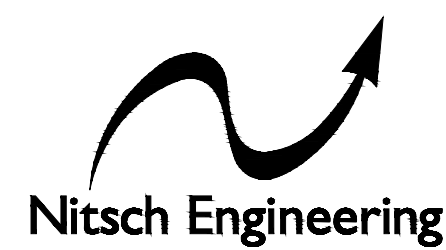
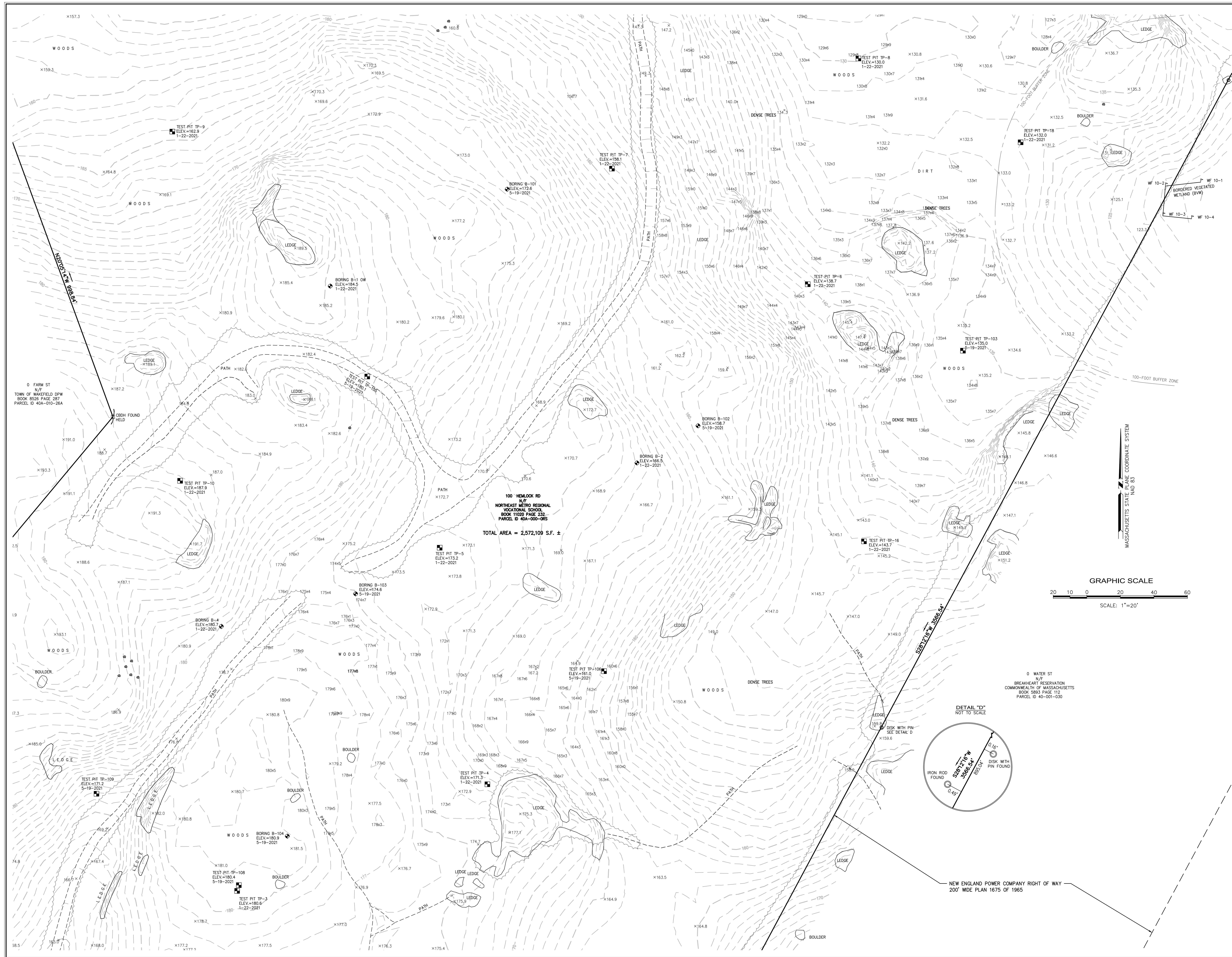
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DES./COMP:	DRS
FIELD BOOK:	765/766
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EX-8

F 14

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EX-9

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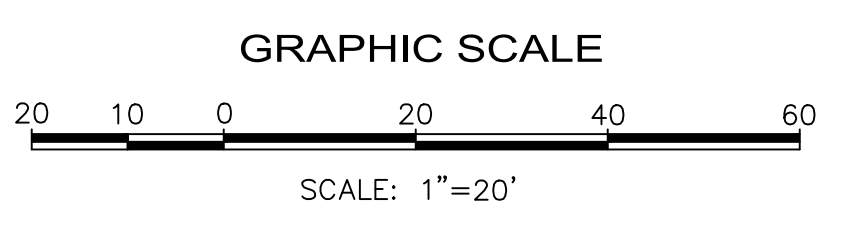
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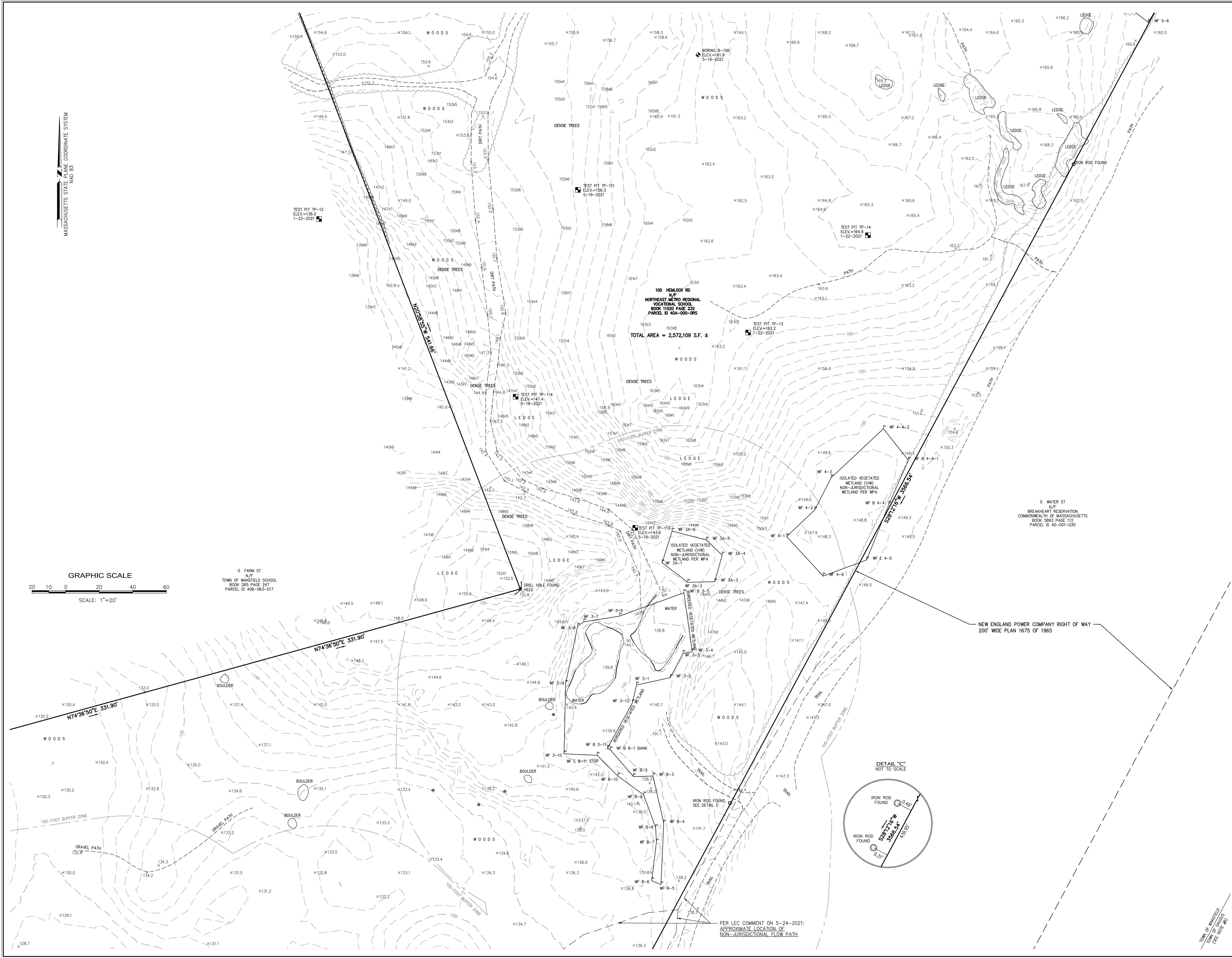
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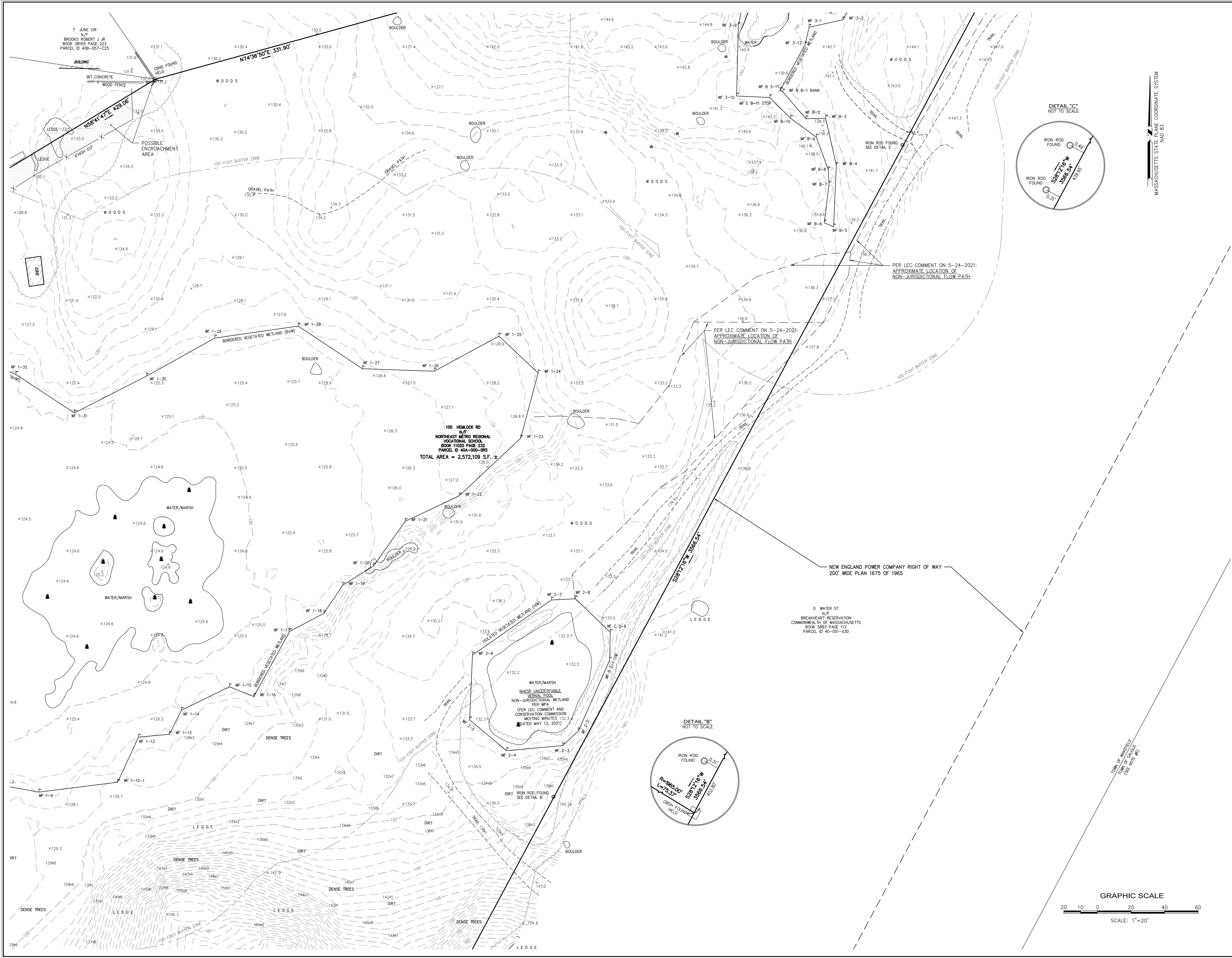
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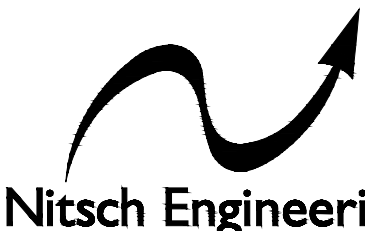
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DATE: 6/3/2020
DES./COMP.: DRS
FIELD BOOK: 765/766
DRAFTED BY: IOS
CHECKED BY:

SHEET: II

EX-11

OF 14 REV. D





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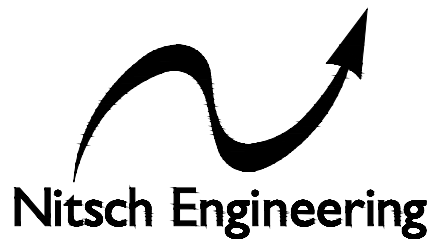
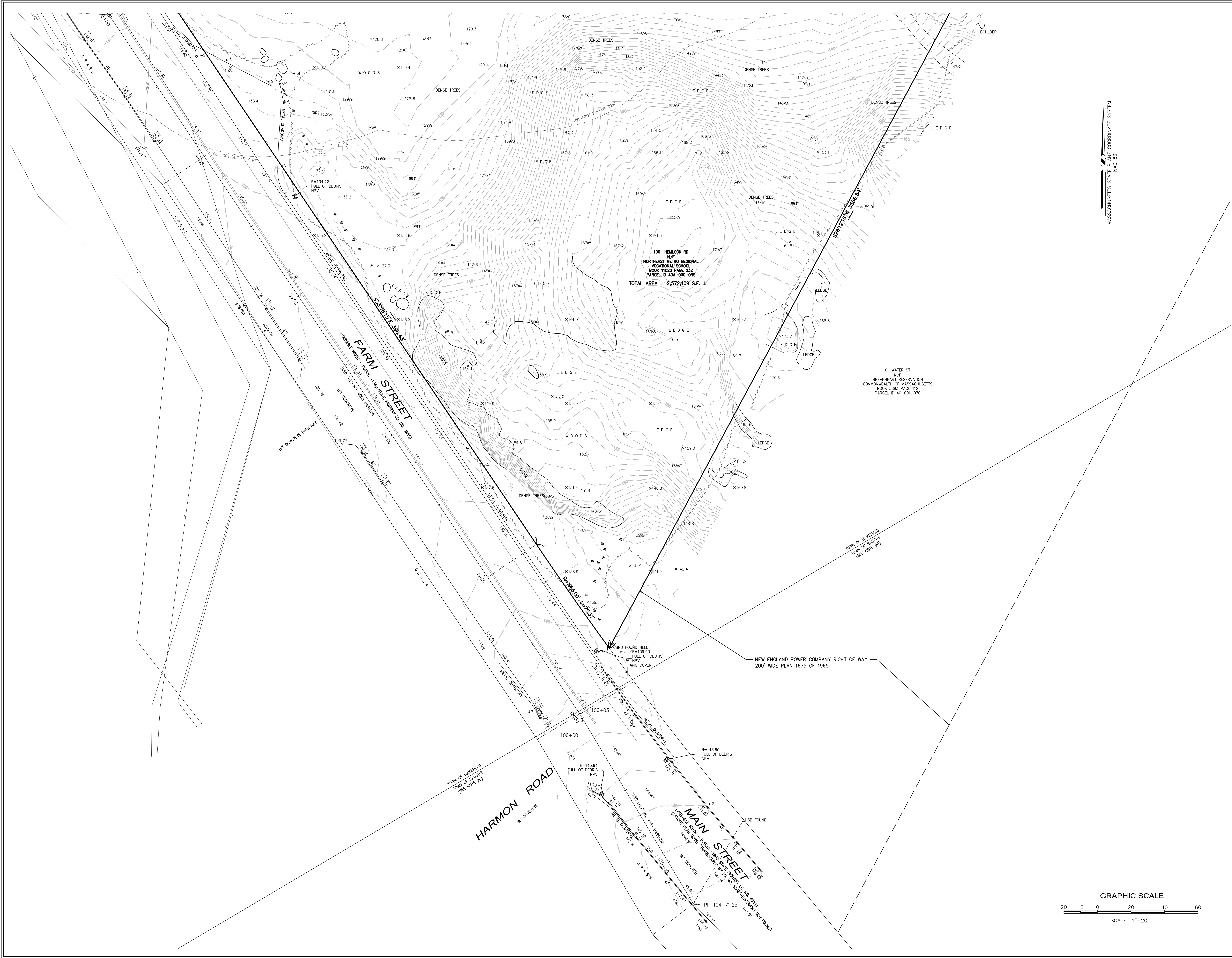
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C	ADDED WETLAND NOTES	6/10/20
B	TEST PITS & REVISED WETLAND	5/22/20
A	ADDED TEST PITS AND BORINGS	2/20/20

PROJECT # 13872.1
FILE: 13872_TOPO1.dwg
SCALE: 1"=20'
DATE: 6/3/2020
DES./COMP: DRS
FIELD BOOK: 765/766
DRAFTED BY: IOS
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SHEET: 12

EX-12

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REV.	COMMENTS	DATE
D	ADDED WETLAND NOTES	7/7/2020
C	ADDED WETLAND NOTES	8/19/2020
B	TEST PITS & REVISED WETLAND	5/22/2021
A	ADDED TEST PITS AND BORINGS	2/20/2021

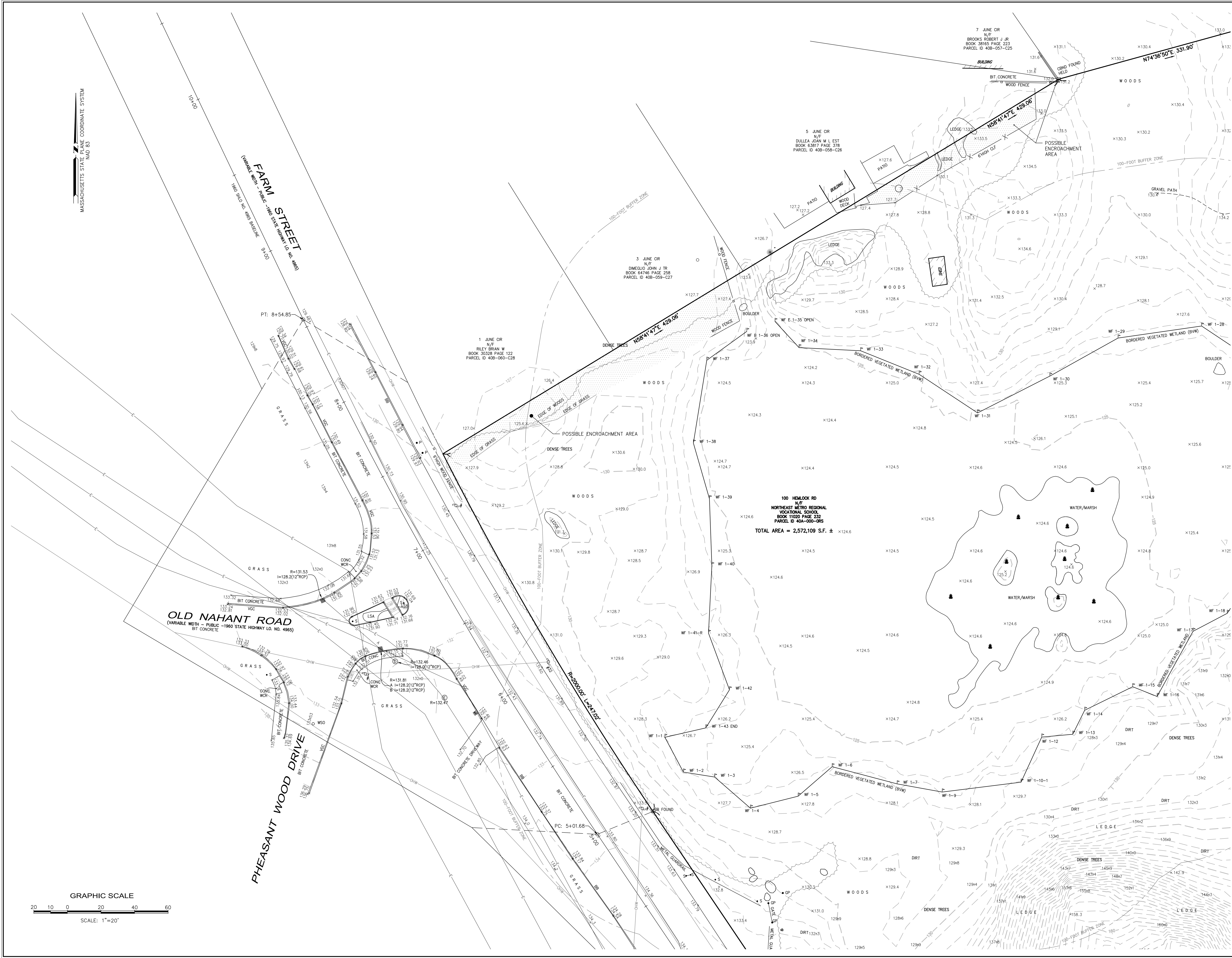
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DATE: 6/3/2020
DES./COMP: DRS
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DRAFTED BY: IOS
CHECKED BY:

SHEET: 13

EX-13

OF 14

REV. D



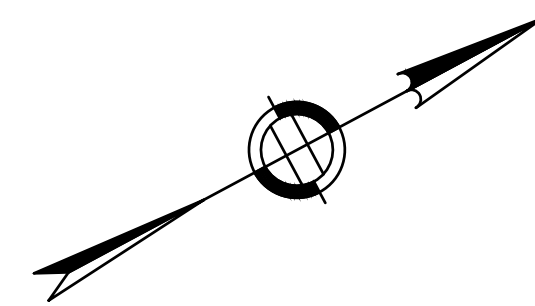
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D	ADDED WETLAND NOTES	7/20/20
C	ADDED WETLAND NOTES	6/10/20
B	TEST PITS & REVISED WETLAND	5/22/20
A	ADDED TEST PITS AND BORINGS	5/22/20
REV.	COMMENTS	DATE
REVISIONS		
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CHECKED BY:		
SHEET: 14		
EX-14		
OF 14 REV. D		

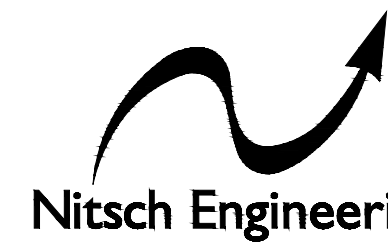


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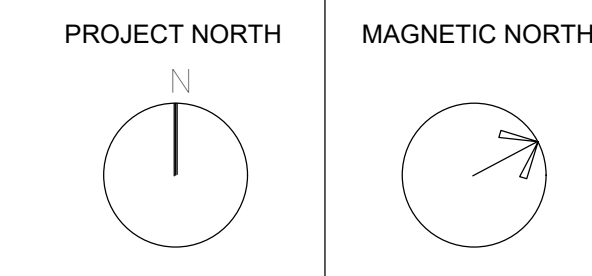
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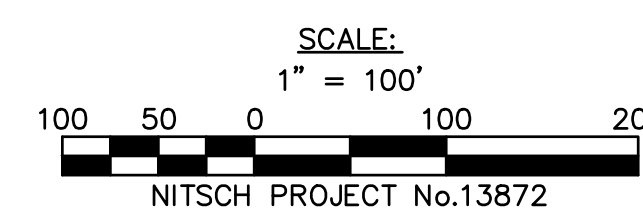
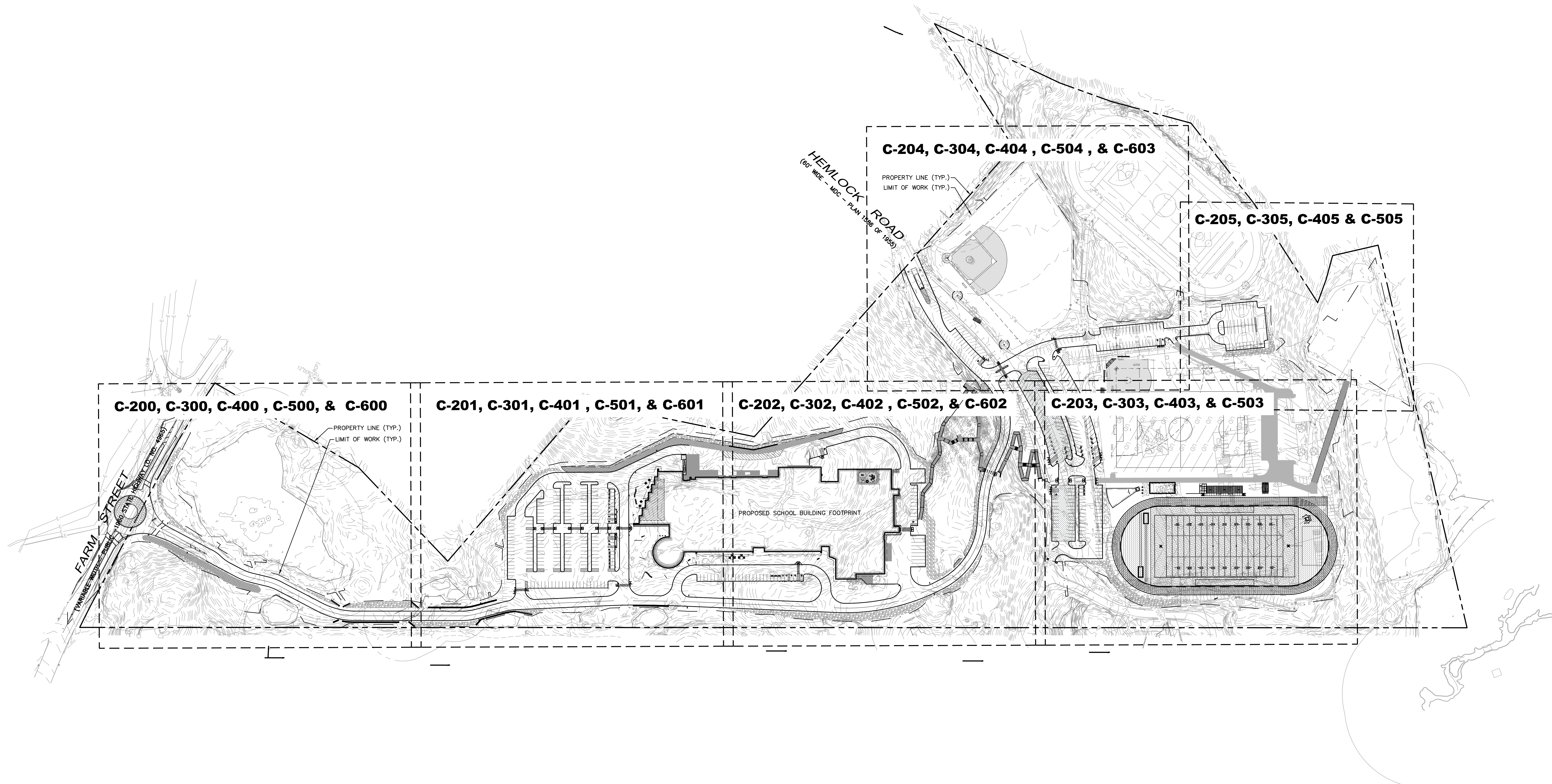
AUGUST 28, 2023



KEY PLAN

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-100





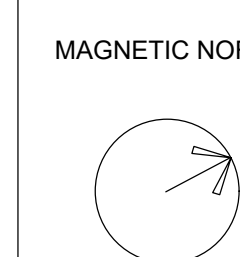
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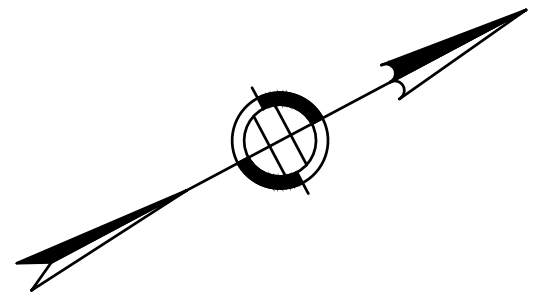
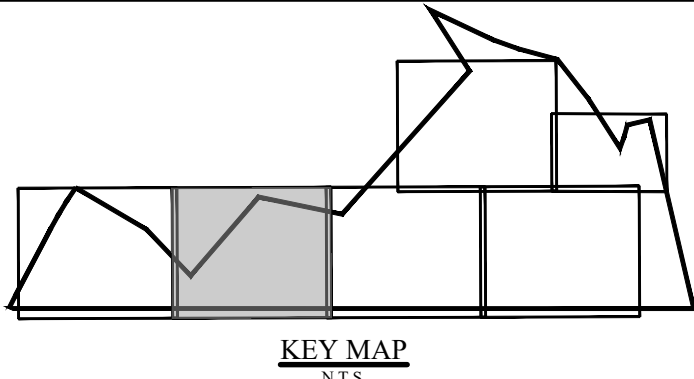
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AUGUST 28, 2023



C-200





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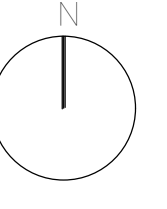
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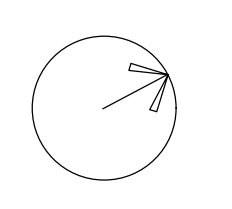
BID SET

AUGUST 28, 2023

PROJECT NORTH



MAGNETIC NORTH



**UTILITY
DEMOLITION PLAN
II**

Scale: AS NOTED

Job No.: 13872

Drawn By: SCD

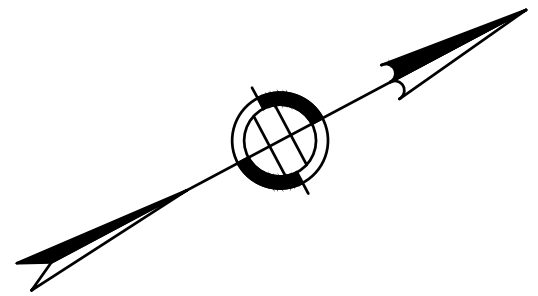
Date: AUGUST 28, 2023

C-201

MATCHLINE SEE SHEET C-200

MATCHLINE SEE SHEET C-202

SCALE:
1" = 20'
20 10 0 10 20 40



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NITSCH PROJECT No. 13872

BID SET

AUGUST 28, 2023

PROJECT NORTH

MAGNETIC NORTH

UTILITY DEMOLITION PLAN III

Scale: AS NOTED

Job No.: 13872

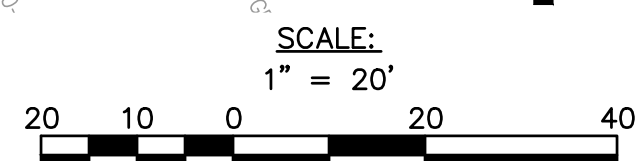
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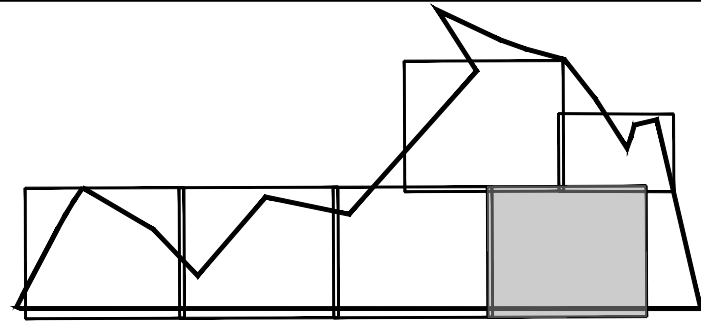
Date: AUGUST 28, 202

C-202



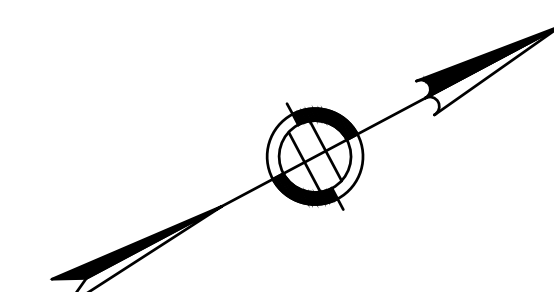
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MATCHLINE SEE SHEET C-204

MATCHLINE SEE SHEET C-205

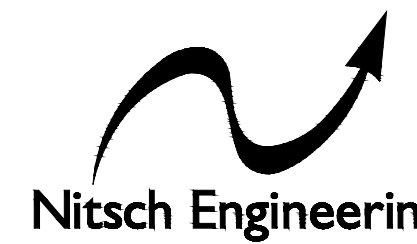


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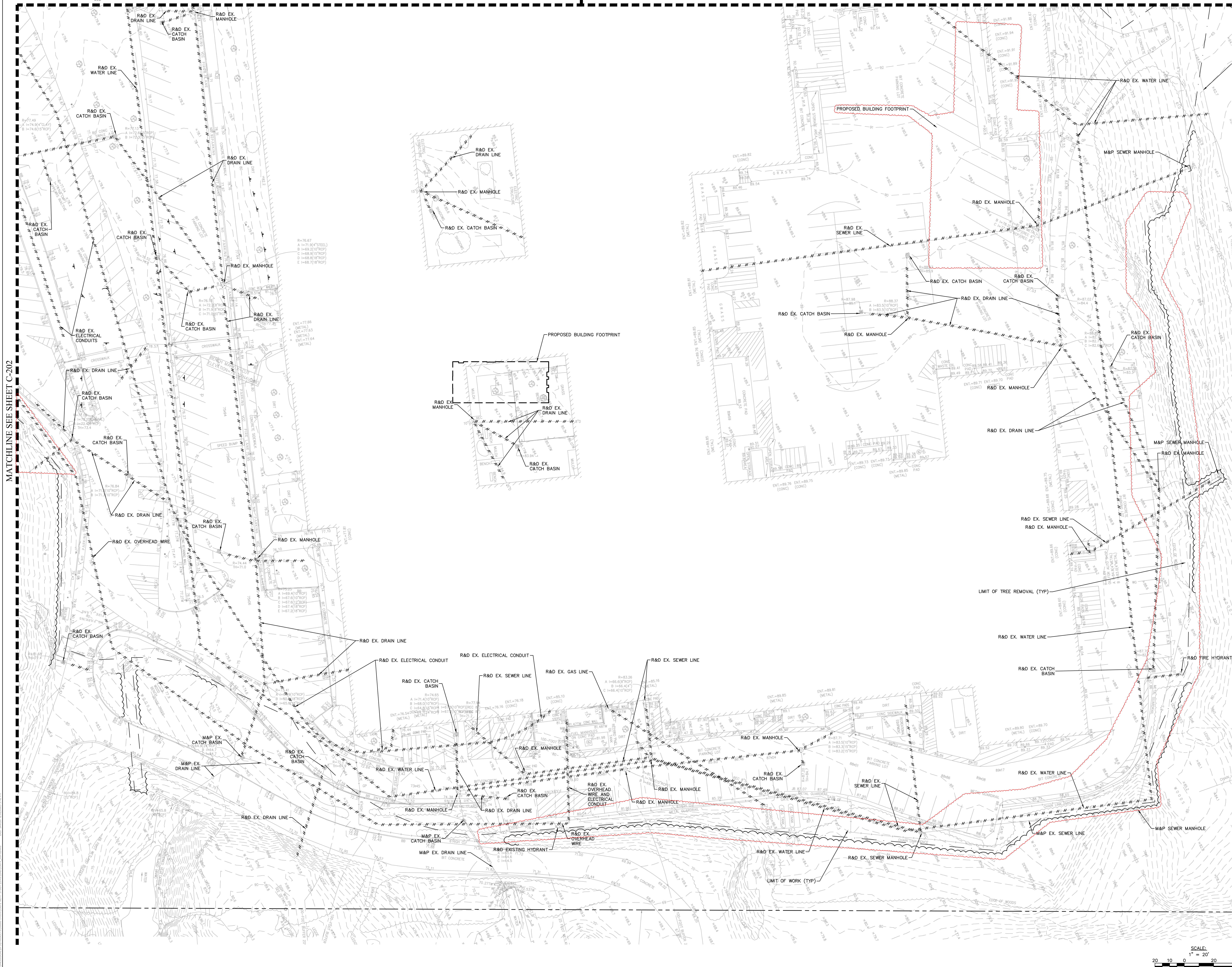


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MATCHLINE SEE SHEET C-202

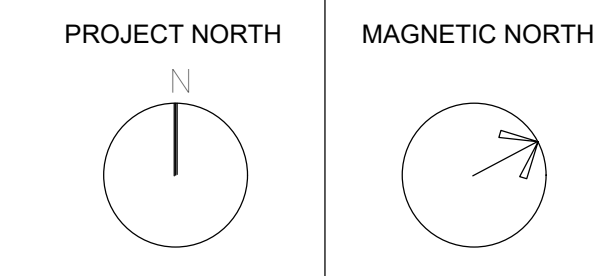
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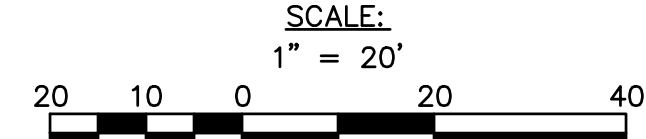
AUGUST 28, 2023

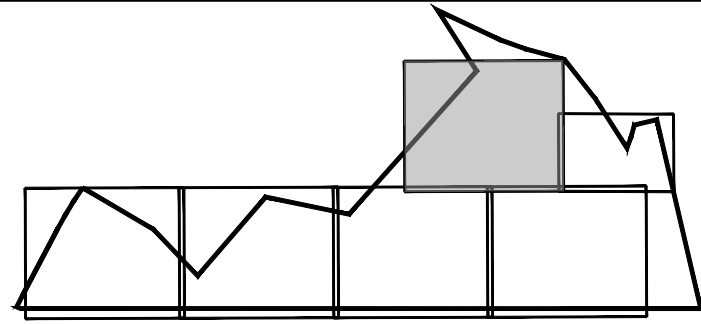


**UTILITY
DEMOLITION PLAN
IV**

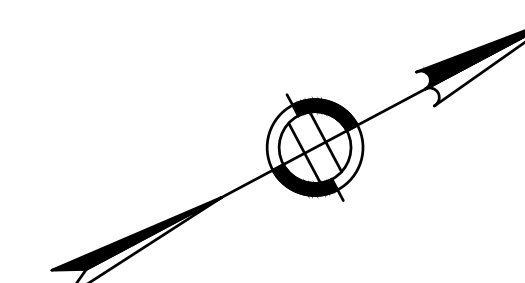
Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-203





KEY MAP
S15

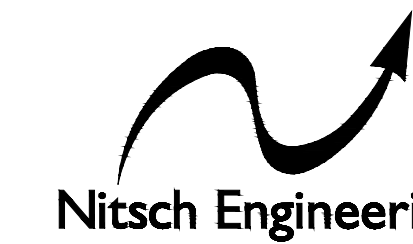


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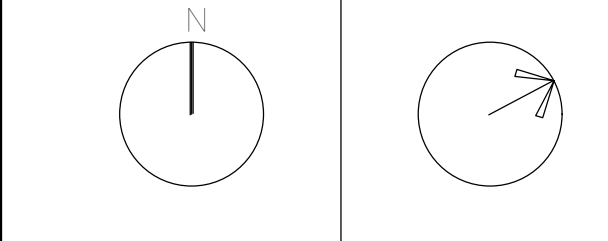
MATCHLINE SEE SHEET C-205

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PROJECT NORTH MAGNETIC NORTH



**UTILITY
DEMOLITION PLAN
V**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

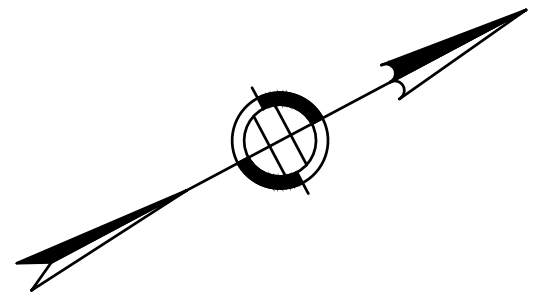
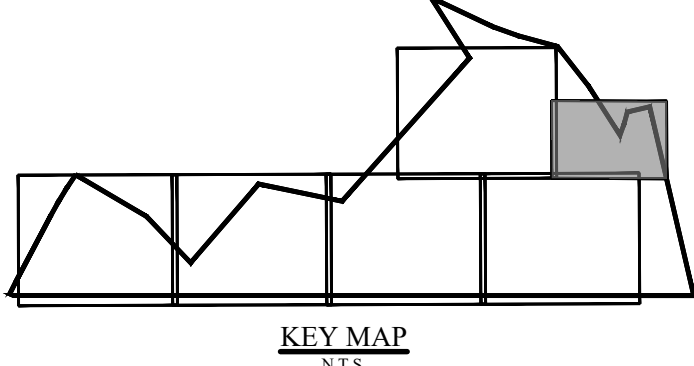
C-204

MATCHLINE SEE SHEET C-202

MATCHLINE SEE SHEET C-203

SCALE:
1" = 20'
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DRA

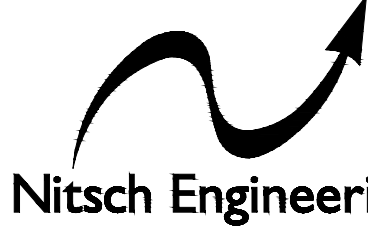
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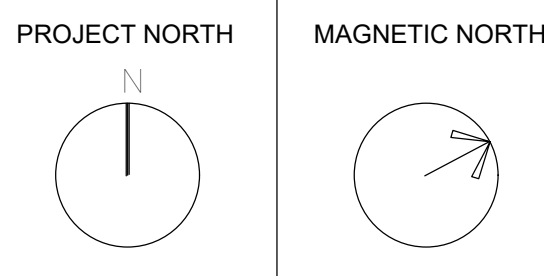
MATCHLINE SEE SHEET C-204

MATCHLINE SEE SHEET C-203

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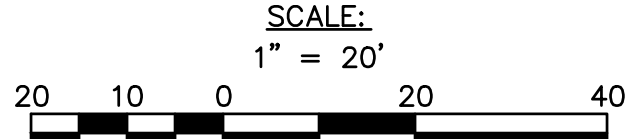
AUGUST 28, 2023

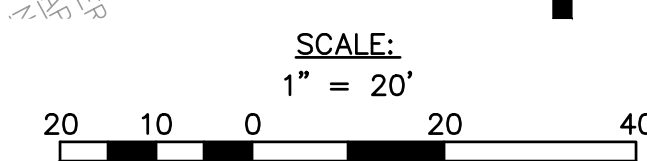
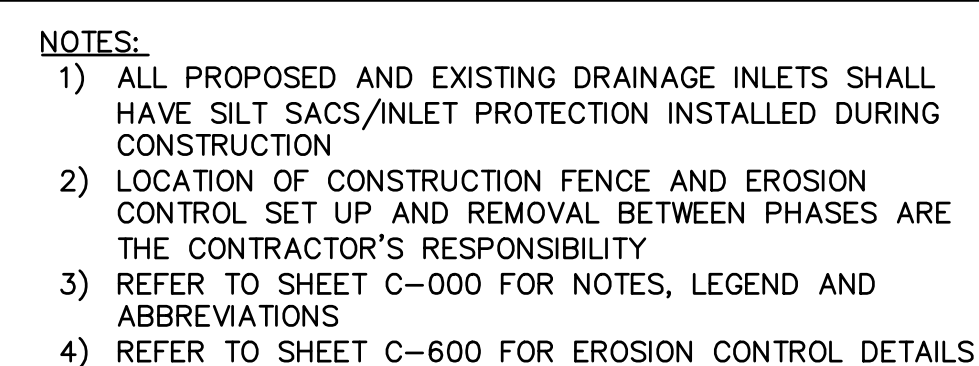


**UTILITY
DEMOLITION PLAN
VI**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-205





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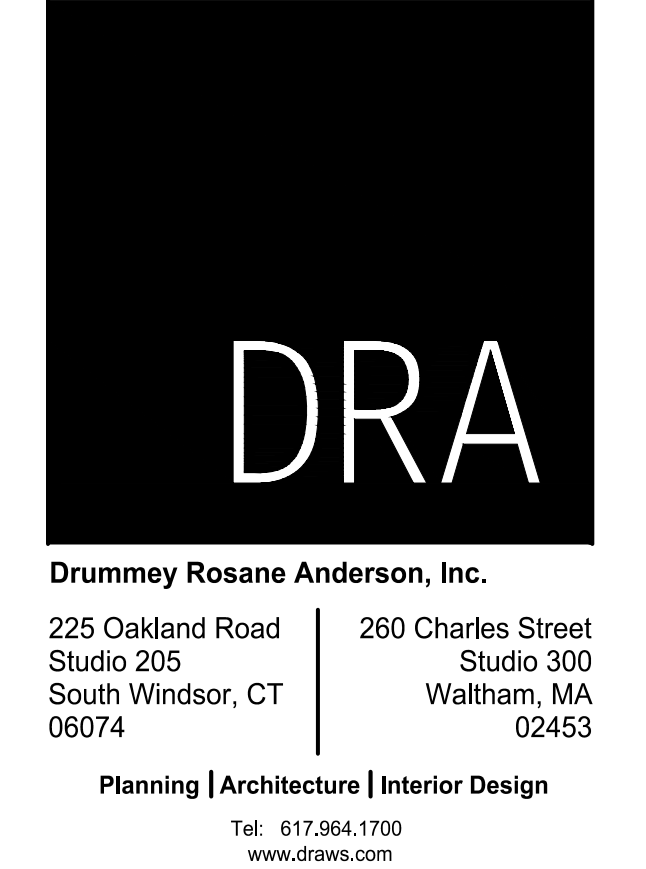
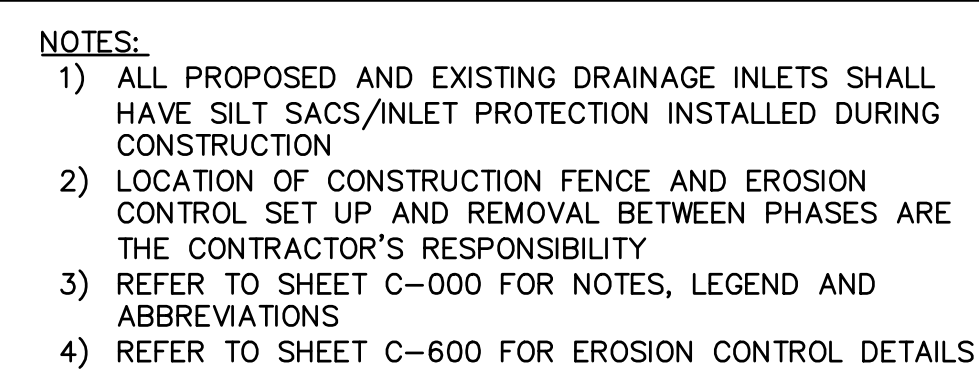
AUGUST 28, 2023



Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-300

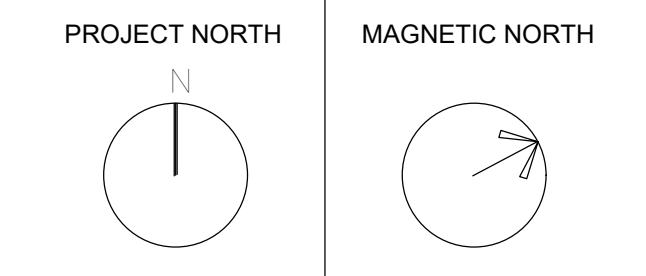
C-300



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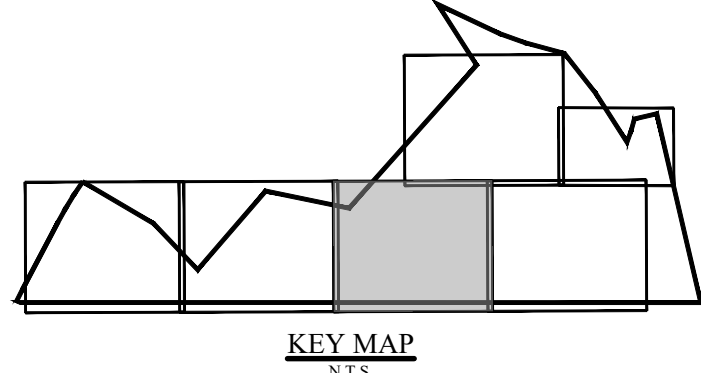


AUGUST 28, 2023

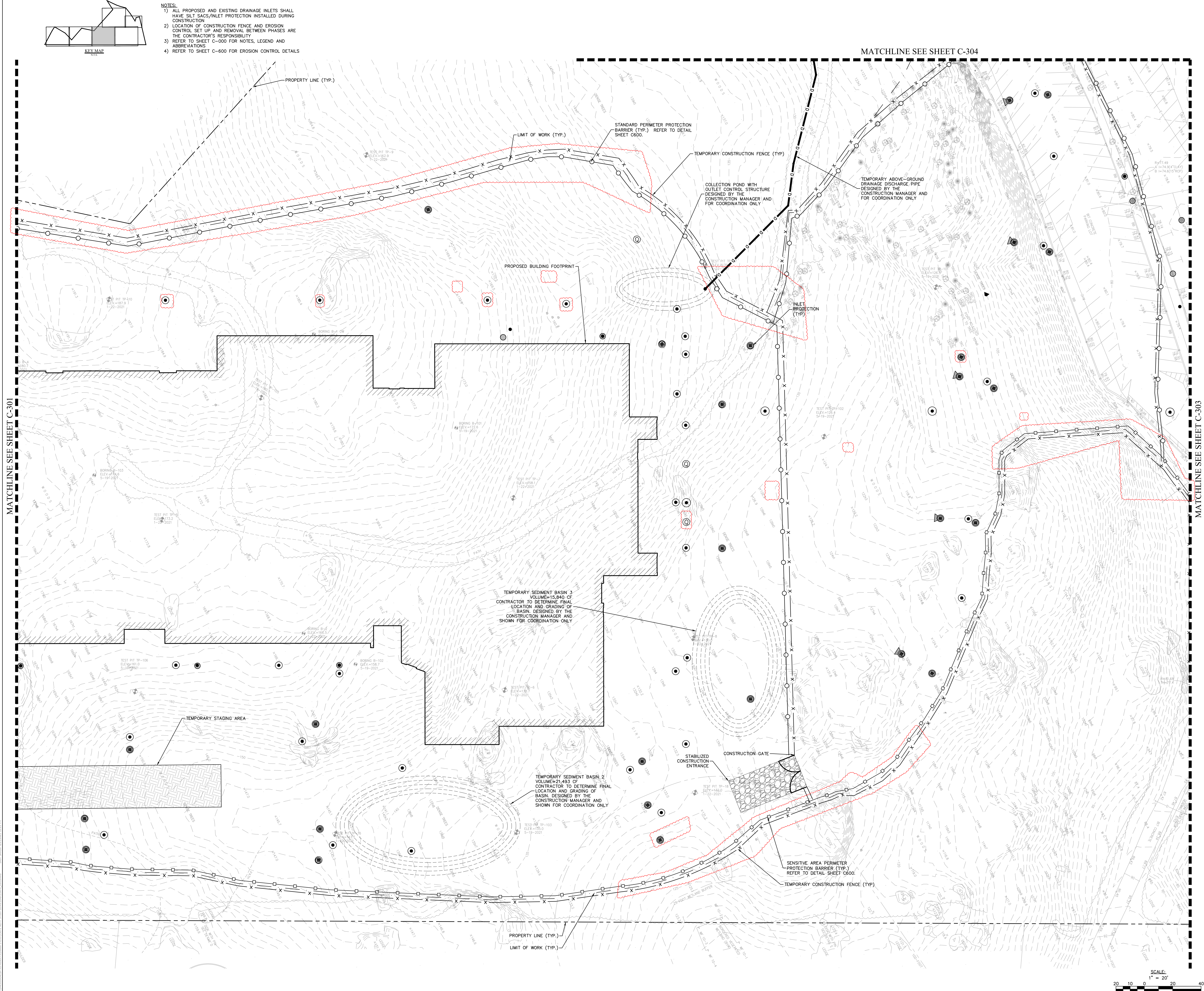


Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-301



- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY
 - 3) REFER TO SHEET C-600 FOR NOTES, LEGEND AND ABBREVIATIONS
 - 4) REFER TO SHEET C-600 FOR EROSION CONTROL DETAILS



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AUGUST 28, 2023

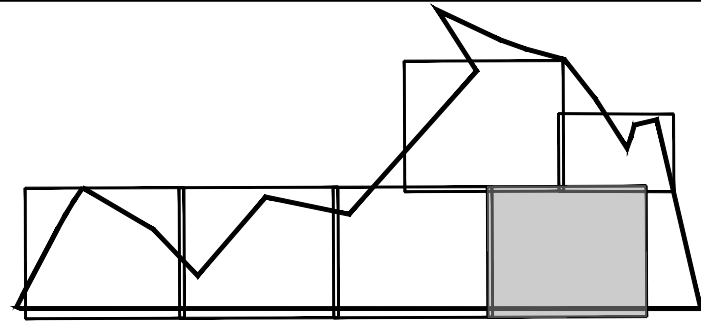
PROJECT NORTH

MAGNETIC NORTH

SEDIMENTATION AND EROSION CONTROL PLAN III

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-302

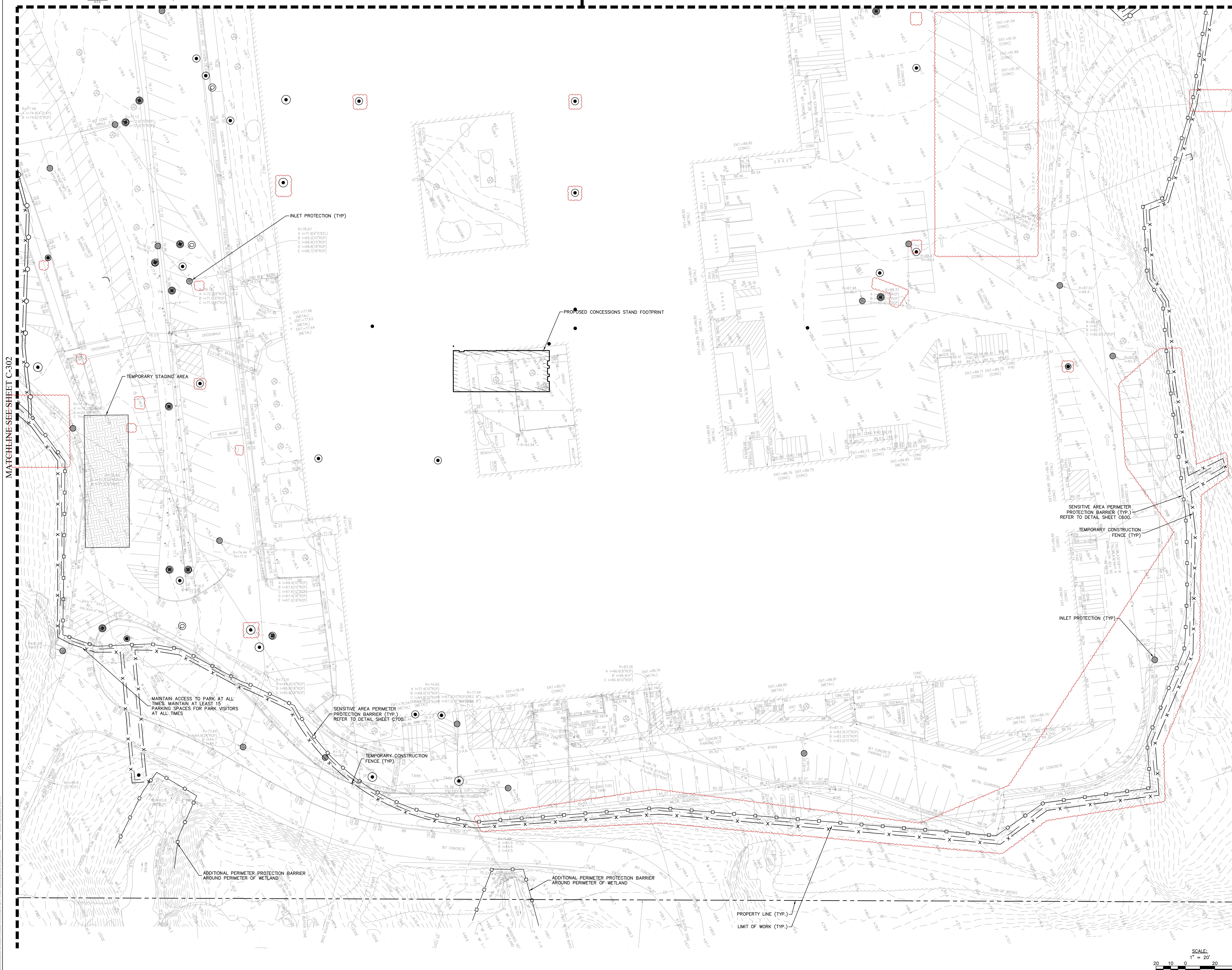


- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY
 - 3) REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS
 - 4) REFER TO SHEET C-600 FOR EROSION CONTROL DETAILS

MATCHLINE SEE SHEET C-304

MATCHLINE SEE SHEET C-305

MATCHLINE SEE SHEET C-302



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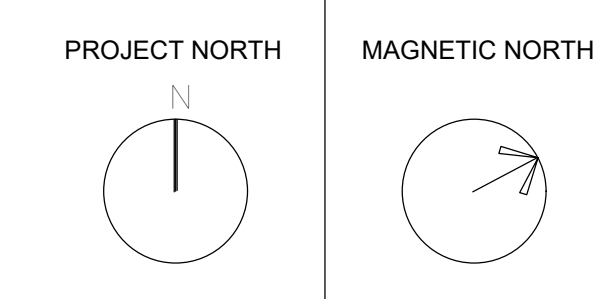
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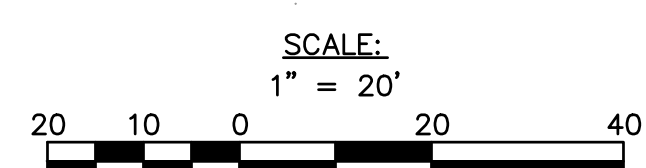
AUGUST 28, 2023

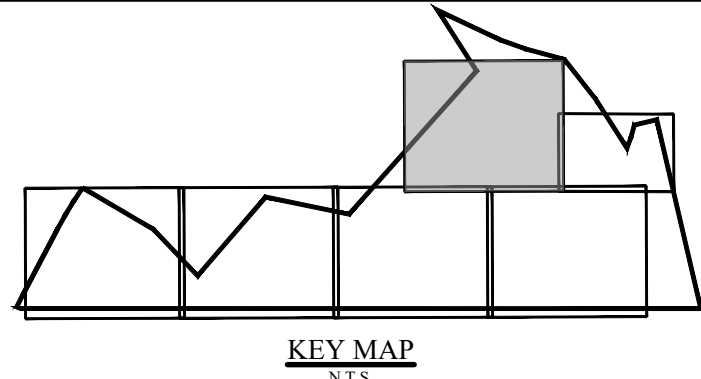


**SEDIMENTATION
AND EROSION
CONTROL PLAN IV**

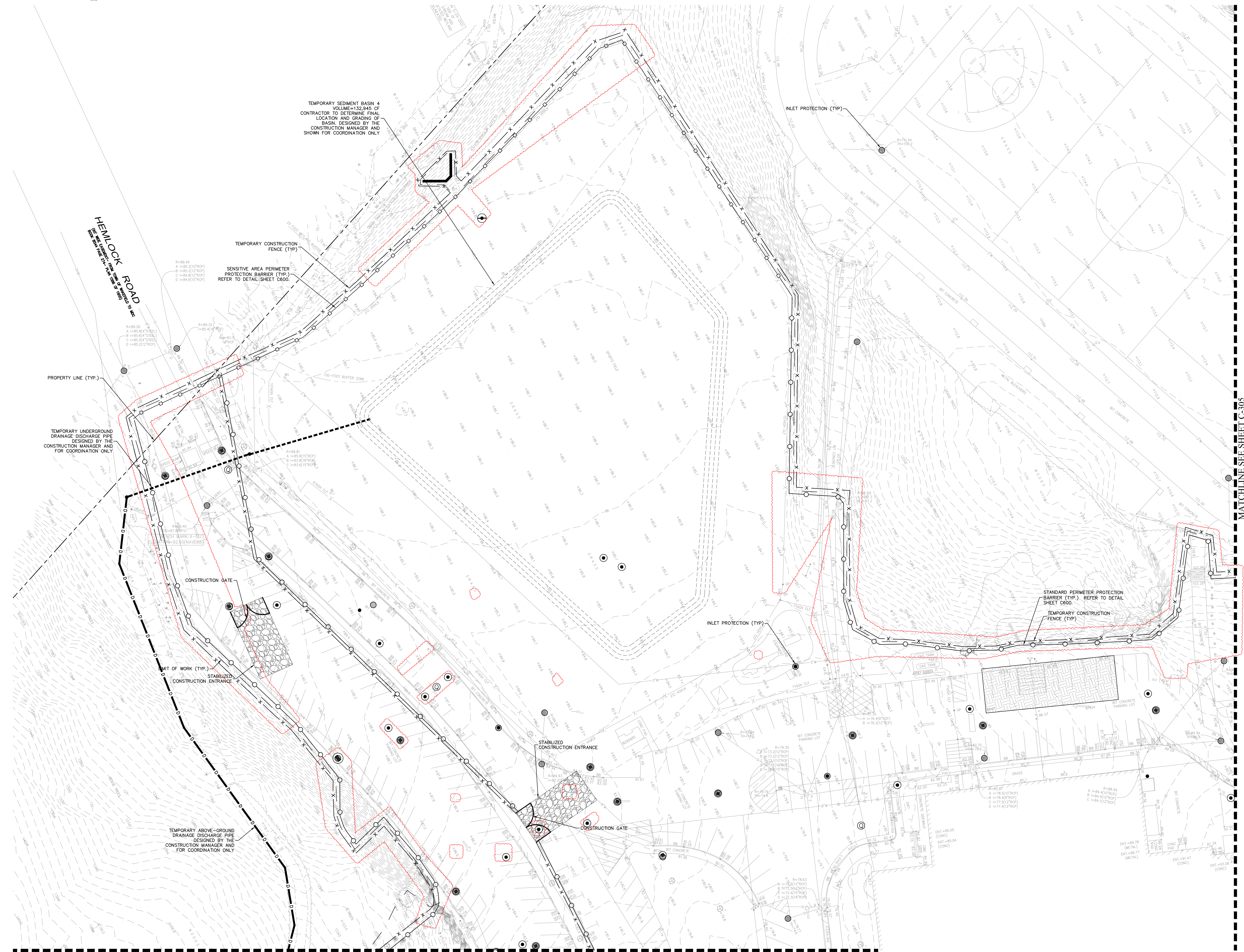
Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
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C-303





- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY
 - 3) REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS
 - 4) REFER TO SHEET C-600 FOR EROSION CONTROL DETAILS



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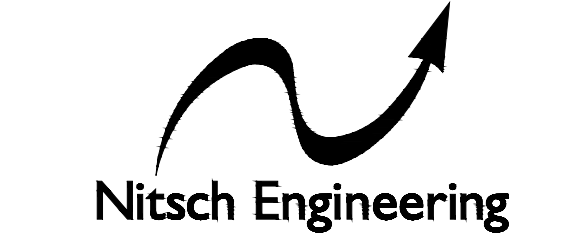
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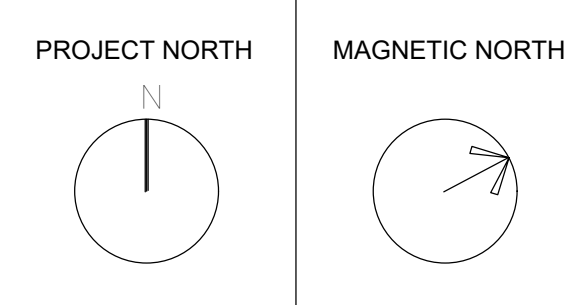


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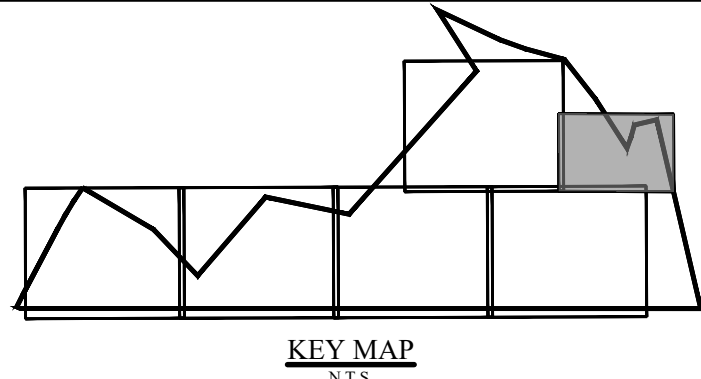
AUGUST 28, 2023



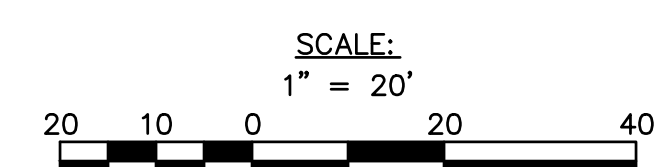
**SEDIMENTATION
AND EROSION
CONTROL PLAN V**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-304



- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY
 - 3) REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS
 - 4) REFER TO SHEET C-600 FOR EROSION CONTROL DETAILS



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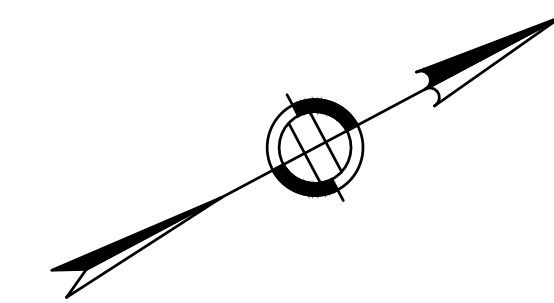
PROJECT NORTH

MAGNETIC NORTH

**SEDIMENTATION
AND EROSION
CONTROL PLAN VI**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-305



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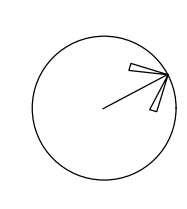
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MATCHLINE SEE SHEET C-401

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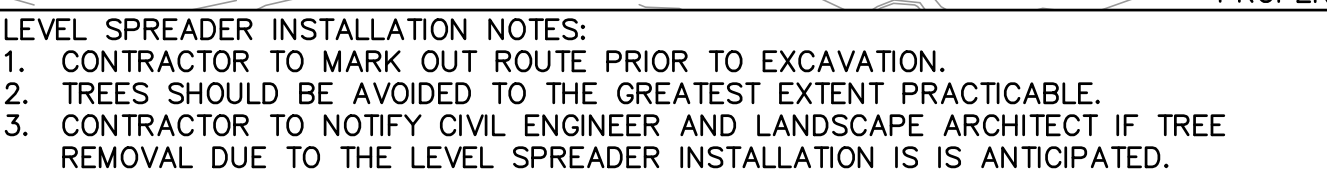
MAGNETIC NORTH



Scale: AS NOTED

Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-400

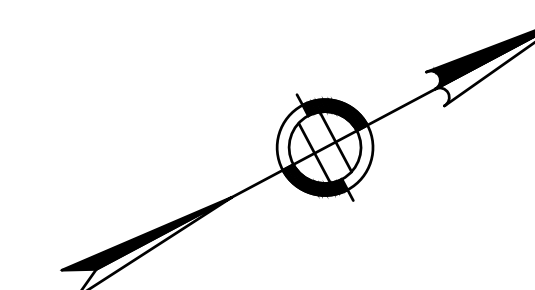
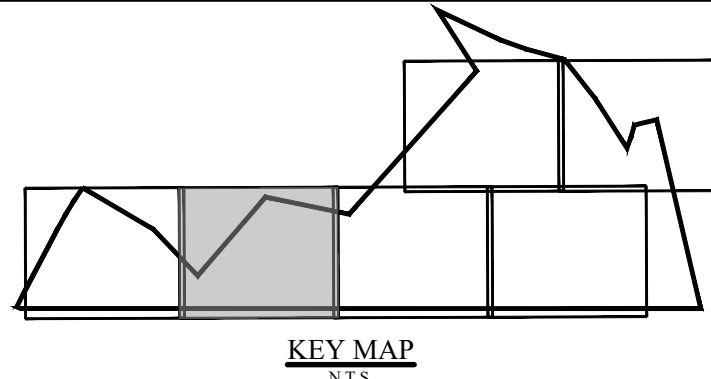


NOTES:

1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
2. REFER TO SHEET C-406 DRAINAGE TABLE FOR RIM AND INVERT ELEVATIONS.
3. REFER TO SHEETS C-600 - C-605 FOR DRIVEWAY GRADING INFO. SITE GRADING SHOWN IS FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
4. ALL PIPES TO BE 12" CPP UNLESS OTHERWISE NOTED.
5. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

SCALE
1" = 2'





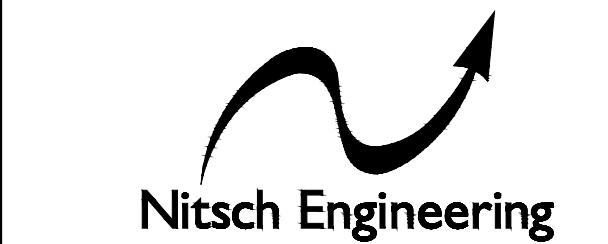
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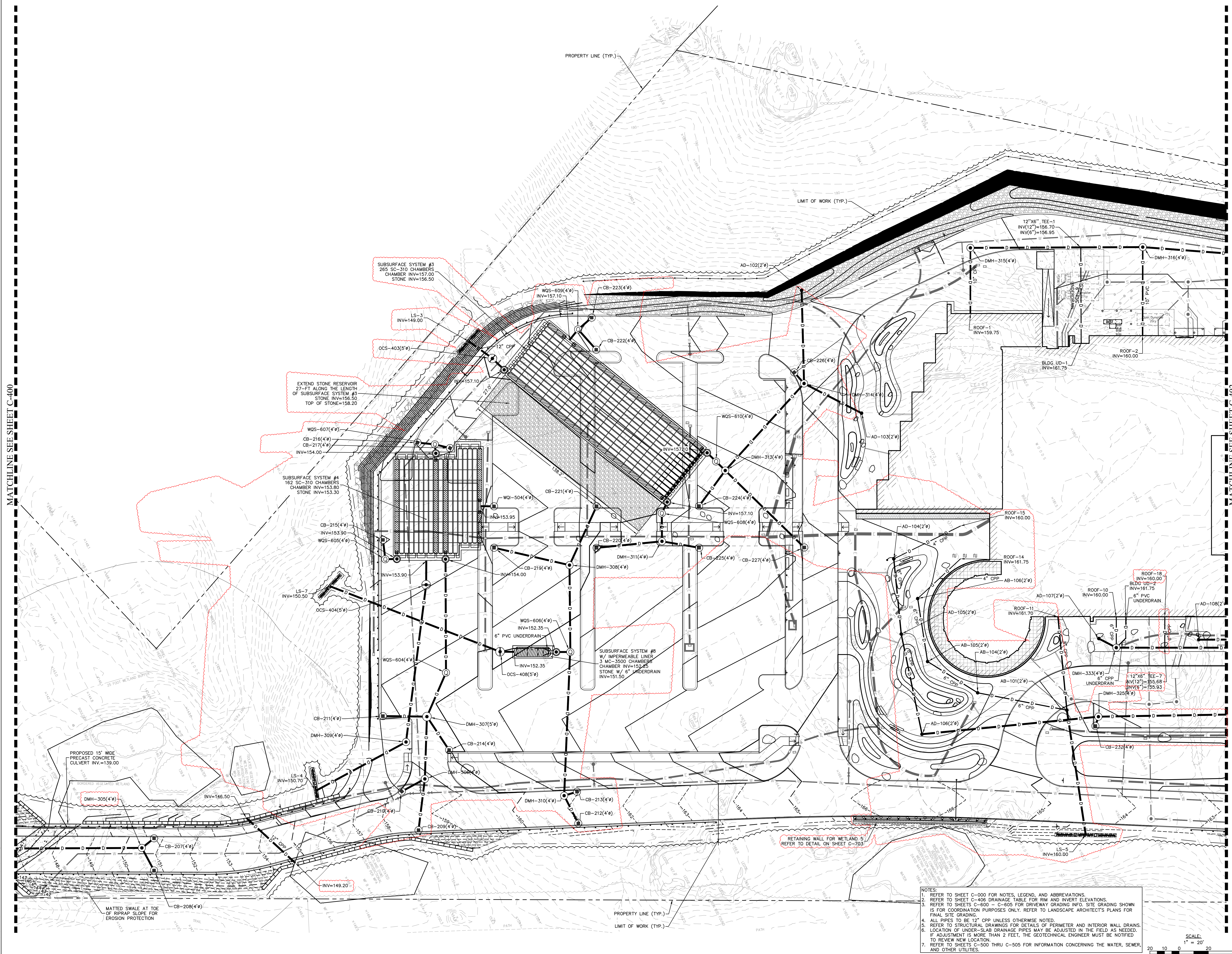
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NITSCH PROJECT No. 13872

MATCHLINE SEE SHEET C-400

MATCHLINE SEE SHEET C-402



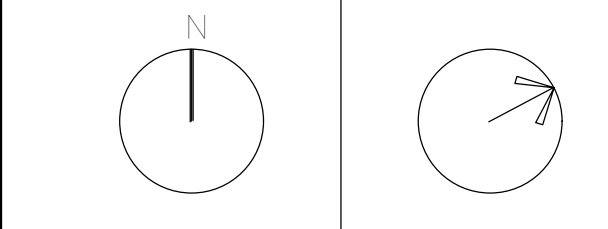
- NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
 2. REFER TO SHEET C-400 FOR DRAINAGE TABLE FOR FLOW AND INVERT ELEVATIONS.
 3. REFER TO SHEETS C-600 - C-605 FOR DRIVEWAY GRADING INFO. SITE GRADING SHOWN IS FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
 4. ALL PIPES TO BE 12" CPP UNLESS OTHERWISE NOTED.
 5. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PERIMETER AND INTERIOR WALL DRAINS.
 6. LOCATION OF UNDER-SLAB DRAINAGE PIPES MAY BE ADJUSTED IN THE FIELD AS NEEDED. IF ADJUSTMENT IS MORE THAN 2 FEET, THE GEOTECHNICAL ENGINEER MUST BE NOTIFIED TO REVIEW NEW LOCATION.
 7. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

SCALE:
1" = 20'
20 10 0 20 40

BID SET

AUGUST 28, 2023

PROJECT NORTH MAGNETIC NORTH



DRAINAGE PLAN II

Scale: AS NOTED
Job No.: 13872
Drawn By: SCB
Date: AUGUST 28, 2023

C-401



MATCHLINE SEE SHEET C-403

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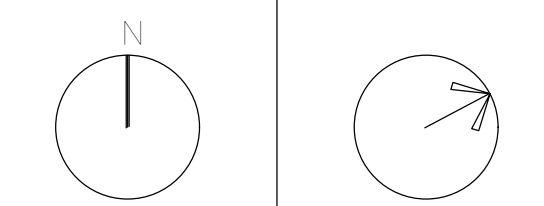
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NITSCH PROJECT No. 13872

AUGUST 28, 2023

PROJECT NORTH	MAGNETIC NORTH
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Scale: AS NOTED

Job No : 13872

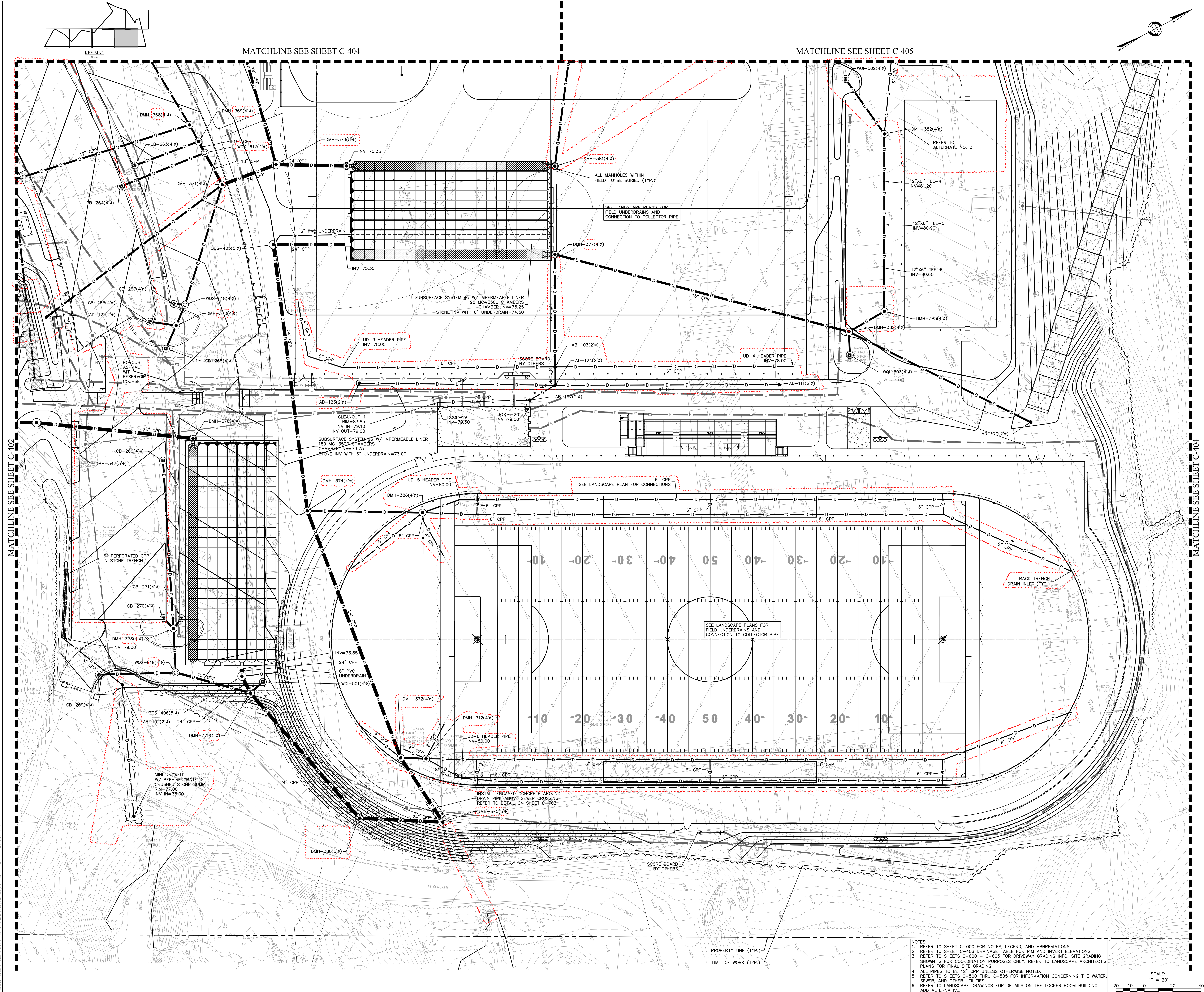
Revised by: SCD

C-402

NOTES:

- 1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
- 2. REFER TO SHEET C-400 FOR DRAINAGE TABLE FOR RAIN AND INVERT ELEVATIONS.
- 3. REFER TO SHEETS C-600 - C-605 FOR DRIVEWAY GRADING INFO. SITE GRADING SHOWN IS FOR CONFORMANCE PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
- 4. ALL PIPES TO BE 12" CPV UNLESS OTHERWISE NOTED.
- 5. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PERIMETER AND INTERIOR WALL DRAIN LOCATION. UNDER-SLAB DRAINAGE PIPES MAY BE ADJUSTED IN THE FIELD AS NEEDED.
- 6. IF ADJUSTMENT IS MORE THAN 2 FEET, THE GEOTECHNICAL ENGINEER MUST BE NOTIFIED TO REVIEW NEW LOCATION.
- 7. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER

SCALE:
1" = 20'



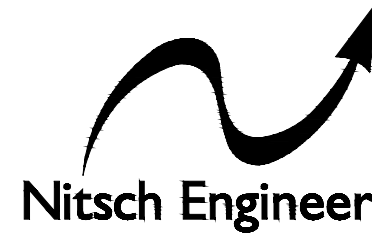
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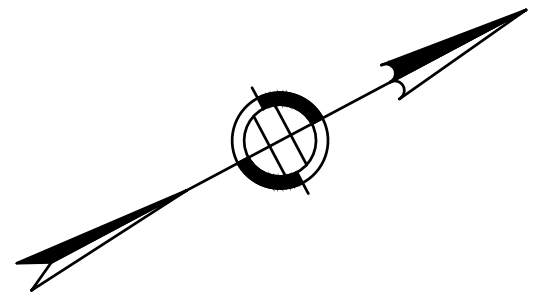
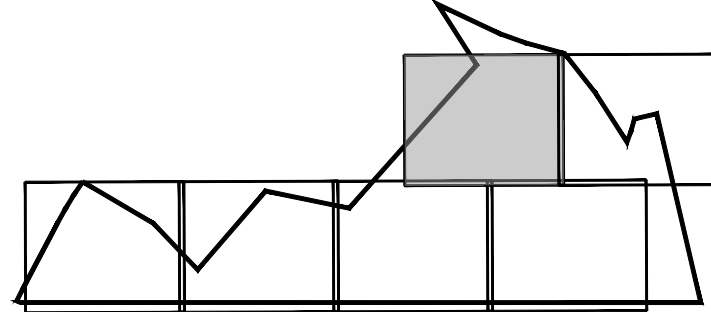
PROJECT NORTH

MAGNETIC NORTH

DRAINAGE PLAN IV

Scale: AS NOTED
Job No.: 13872
Drawn By: SCB
Date: AUGUST 28, 2023

C-403



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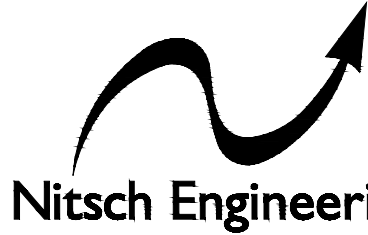
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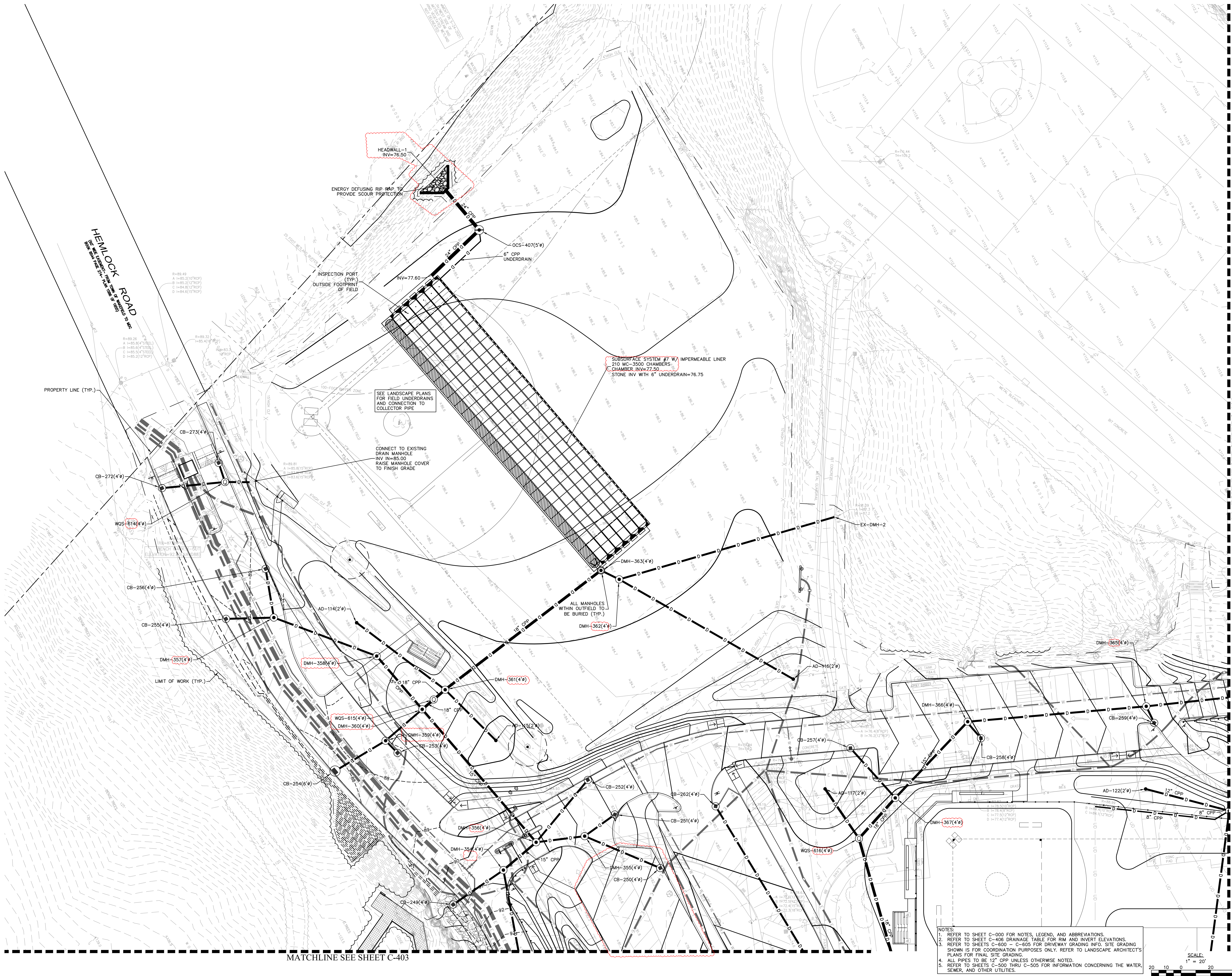
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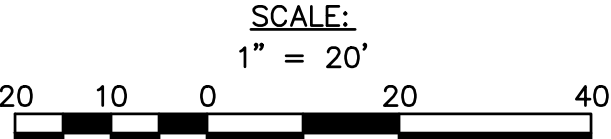


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NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
2. REFER TO SHEET C-406 DRAINAGE TABLE FOR RIM AND INVERT ELEVATIONS.
3. REFER TO SHEETS C-600 - C-605 FOR DRIVEWAY GRADING INFO. SITE GRADING SHOWN IS FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
4. ALL PIPES TO BE 12" CPP UNLESS OTHERWISE NOTED.
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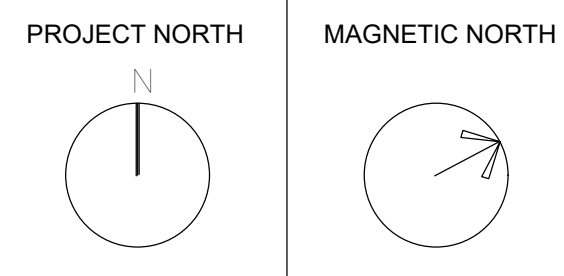


MATCHLINE SEE SHEET C-405

MATCHLINE SEE SHEET C-403

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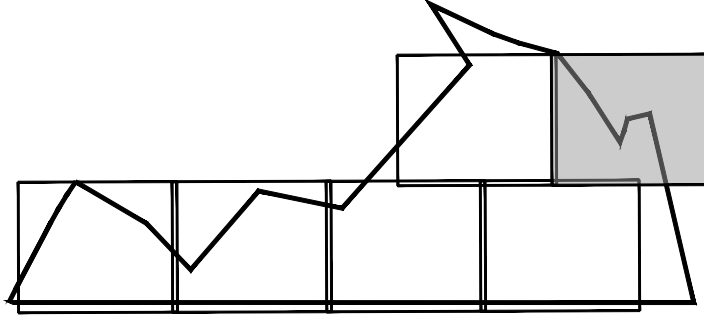
AUGUST 28, 2023



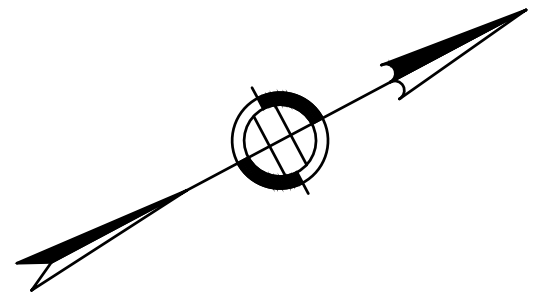
DRAINAGE PLAN V

Scale: AS NOTED
Job No.: 13872
Drawn By: SCB
Date: AUGUST 28, 2023

C-404



KEY MAP
S18

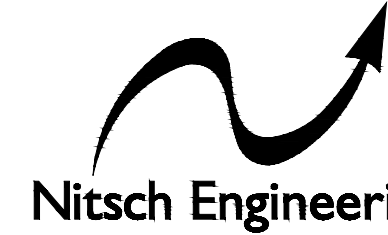


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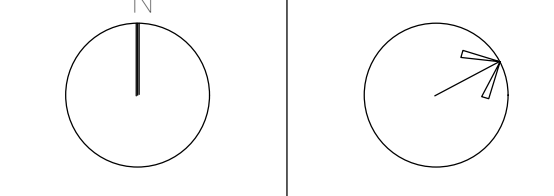
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PROJECT NORTH MAGNETIC NORTH



DRAINAGE PLAN VI

Scale: AS NOTED

Job No.: 13872

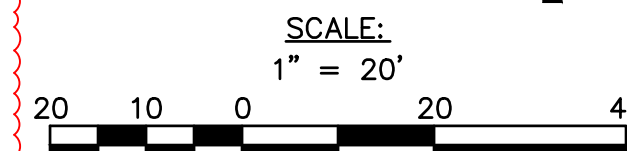
Drawn By: SCD

Date: AUGUST 28, 2023

C-405



- NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
 2. REFER TO SHEET C-406 DRAINAGE TABLE FOR RIM AND INVERT ELEVATIONS.
 3. REFER TO SHEETS C-800 - C-805 FOR DRIVEWAY GRADING INFO. SITE GRADING SHOWN IS FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
 4. ALL PIPES TO BE 12" C/P UNLESS OTHERWISE NOTED.
 5. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.



STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
AB-100	160.50 (BLDG UD-2)	160.50 (DMH-333)	162.70
AB-101	161.00 (ROOF-11) 160.53 (AB-104)	160.43 (LS-5)	163.40
AB-102	78.50 (ST-OUT)	78.40 (MIN DRYWELL)	80.10
AB-103	77.10 (UD-3 HEADER PIPE) 77.10 (UD-4 HEADER PIPE) 77.10 (AD-124)	77.00 (DMH-377)	84.35
AB-104	160.94 (AB-105)	160.84 (AB-101)	163.00
AB-105	161.23 (AB-106)	161.13 (AB-104)	163.00
AB-106	161.54 (ROOF-14)	161.44 (AB-105)	163.00
AB-107	78.00 (CLEANOUT-1) 79.40 (ROOF-20)	77.90 (AD-124)	83.80
AD-101		127.50 (LS-6)	130.25
AD-102		159.00 (DMH-314)	160.80
AD-103		159.00 (DMH-314)	163.00
AD-104	159.70 (ROOF-15)	159.60 (AD-105)	162.91
AD-105	159.30 (AD-104)	159.20 (AD-106)	162.45
AD-106	158.70 (AD-105)	158.60 (DMH-325)	162.40
AD-107		158.65 (DMH-333)	161.15
AD-108		158.65 (12"x4" TEE-1)	161.15
AD-109	156.00 (DMH-334)	155.90 (DMH-335)	161.50
AD-110	155.00 (DMH-335)	154.90 (DMH-336)	161.50
AD-111		80.00 (AD-124)	83.30
AD-112		147.50 (AD-113)	149.27

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
DMH-316	155.40 (12"x6" TEE-1) 156.00 (ROOF-2)	155.30 (12"x6" TEE-2)	162.50
DMH-317	154.10 (ROOF-3) 154.10 (12"x6" TEE-2)	154.00 (12"x6" TEE-3)	162.40
DMH-318	153.30 (12"x6" TEE-3) 156.00 (ROOF-4)	150.94 (DMH-319)	163.10
DMH-319	143.75 (DMH-318) 141.40 (BLDG UD-5)	141.40 (DMH-320)	157.50
DMH-320	140.30 (DMH-319) 137.75 (WALL UD-2)	137.75 (DMH-321)	149.50
DMH-321	136.60 (DMH-320) 135.60 (WQS-611)	136.20 (DMH-322)	144.80
DMH-322	135.60 (ROOF-5) 135.60 (DMH-321)	135.50 (DMH-341)	143.10
DMH-323	157.80 (CB-228) 157.80 (CB-229)	156.40 (DMH-324)	162.25
DMH-324	153.10 (DMH-323) 155.00 (CB-230) 155.00 (CB-231)	153.00 (DMH-328)	159.43
DMH-325	157.40 (CB-232) 157.40 (AD-106)	157.30 (DMH-326)	161.85
DMH-326	156.00 (DMH-325) 157.00 (CB-233)	155.90 (DMH-327)	161.80
DMH-327	153.60 (DMH-326) 157.70 (CB-234)	153.50 (DMH-328)	162.20
DMH-328	150.50 (DMH-324) 152.00 (DMH-327)	147.00 (DMH-329)	157.36
DMH-329	139.80 (DMH-328) 139.80 (CB-235) 138.80 (CB-236)	138.30 (DMH-330)	143.92
DMH-330	138.00 (CB-237) 137.35 (DMH-329)	137.25 (DMH-331)	142.50
DMH-331	137.50 (CB-238) 136.90 (DMH-330)	136.80 (DMH-332)	142.65
DMH-332	135.70 (DMH-331) 138.00 (CB-239)	135.60 (WQS-612)	143.05
DMH-333	159.60 (AB-100) 159.60 (ROOF-10) 158.50 (AD-107)	155.90 (12"x6" TEE-7)	162.50
DMH-334	157.50 (12"x4" TEE-2) 158.50 (ROOF-9)	156.20 (AD-109)	162.50
DMH-335	155.50 (AD-109) 155.75 (ROOF-8)	155.40 (AD-110)	162.20

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
AD-113	140.35 (AD-112)	140.25 (DMH-340)	143.25
AD-114		81.00 (DMH-361)	86.25
AD-115		80.00 (DMH-361)	84.50
AD-116		79.50 (DMH-362)	81.50
AD-117		79.00 (WQS-616)	82.50
AD-118		80.00 (DMH-368)	82.50
AD-119		82.35 (DMH-382)	84.35
AD-120		78.90 (DMH-385)	82.90
AD-121		80.00 (DMH-371)	81.77
AD-122		83.00 (DMH-384)	85.50
AD-123		79.00 (AD-124)	83.30
AD-124	77.60 (AD-123) 77.60 (AD-111) 77.60 (AB-107)	77.50 (AB-103)	83.15
CB-201		127.30 (DMH-301)	130.74
CB-202		127.30 (DMH-301)	130.87
CB-203		128.90 (DMH-302)	137.66
CB-204		128.80 (DMH-302)	137.59
CB-205		138.50 (DMH-303)	145.87
CB-206		138.50 (DMH-303)	145.35
CB-207		147.00 (DMH-305)	150.74
CB-208		147.00 (DMH-305)	150.74

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
DMH-336	154.00 (12"x6" TEE-7) 154.80 (AD-110)	153.90 (DMH-337)	162.30
DMH-337	152.80 (DMH-336)	145.50 (DMH-338)	160.10
DMH-338	138.70 (DMH-337) 136.70 (WALL UD-1)	138.60 (DMH-339)	143.70
DMH-339	136.00 (DMH-338) 136.20 (ROOF-7)	135.50 (18"x6" TEE-1)	142.70
DMH-340	138.30 (AD-113)	138.20 (DMH-342)	143.50
DMH-341	139.10 (ROOF-6) 134.90 (DMH-322) 134.50 (ROOF-17)	134.40 (DMH-344)	143.10
DMH-342	138.10 (DMH-340) 138.20 (CB-241) 138.10 (CB-242)	138.00 (DMH-343)	143.60
DMH-343	137.50 (DMH-342) 138.15 (CB-245)	137.40 (WQS-613)	143.10
DMH-344	135.00 (WQS-612) 134.30 (DMH-341) 136.60 (WQS-613)	134.00 (DMH-345)	143.00
DMH-345	121.00 (DMH-344)	120.00 (DMH-346)	133.00
DMH-346	108.00 (DMH-345)	107.00 (DMH-347)	114.00
DMH-347	76.10 (DMH-346)	76.00 (DMH-376)	83.50
DMH-348	117.10 (CB-244)	117.00 (DMH-349)	122.71
DMH-349	111.10 (DMH-348) 111.10 (CB-245)	111.00 (DMH-350)	116.78
DMH-350	105.10 (DMH-349) 105.10 (CB-246)	105.00 (DMH-351)	109.39
DMH-351	97.50 (DMH-350) 97.50 (CB-247)	97.40 (DMH-352)	103.28
DMH-352	92.25 (DMH-351)	92.15 (DMH-353)	97.44
DMH-353	89.30 (DMH-352) 89.30 (CB-248)	89.20 (DMH-354)	94.10
DMH-354	84.00 (CB-249) 84.40 (DMH-353)	83.90 (DMH-356)	90.80
DMH-355	81.30 (CB-250) 82.00 (CB-251)	81.20 (DMH-356)	88.90

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
CB-209		155.50 (DMH-306)	158.64
CB-210		155.50 (DMH-306)	158.50
CB-211		155.10 (DMH-307)	158.54
CB-212		157.00 (DMH-310)	160.96
CB-213		157.00 (DMH-310)	160.96
CB-214		155.00 (DMH-307)	159.80
CB-215		154.30 (WQS-605)	157.00
CB-216		154.50 (WQS-607)	158.00
CB-217		154.50 (WQS-607)	158.00
CB-218		106.00 (FE-1)	108.48
CB-219		153.50 (DMH-308)	157.00
CB-220		157.80 (DMH-311)	160.00
CB-221		154.00 (DMH-308)	158.75
CB-222		158.10 (WQS-609)	162.00
CB-223		158.00 (WQS-609)	162.00
CB-224		157.80 (DMH-313)	160.75
CB-225		157.80 (DMH-311)	160.50
CB-226		158.30 (DMH-314)	162.30
CB-227		158.05 (DMH-313)	161.50
CB-228		158.00 (DMH-323)	162.24

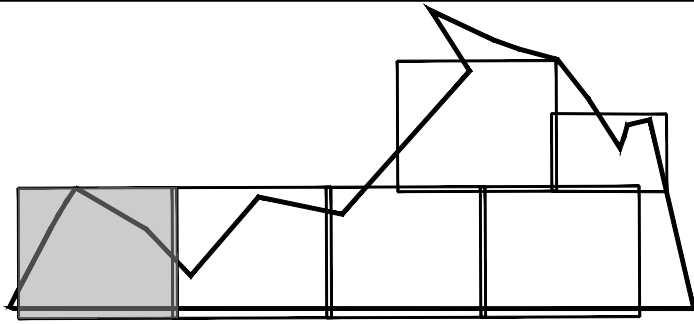
STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
DMH-356	83.60 (DMH-354) 81.00 (DMH-355) 82.00 (CB-252)	80.75 (DMH-360)	90.10
DMH-357	85.10 (CB-256) 85.20 (CB-255)	85.00 (DMH-358)	88.65
DMH-358	84.10 (DMH-357) 84.00 (CB-256)	84.00 (DMH-360)	87.80
DMH-359	83.00 (CB-254) 83.40 (CB-253)	82.90 (DMH-360)	87.85
DMH-360	83.50 (DMH-358) 79.80 (DMH-356) 82.00 (DMH-359)	79.70 (WQS-615)	86.50
DMH-361	79.25 (WQS-615) 79.25 (AD-115) 80.40 (AD-114)	79.15 (DMH-363)	86.40
DMH-362	77.85 (AD-116) 79.00 (EX-DMH-2)	77.75 (DMH-363)	85.50
DMH-363	77.60 (DMH-361) 77.60 (DMH-362)		81.90
DMH-364	95.00 (CB-260) 95.00 (CB-261)	90.00 (DMH-365)	99.00
DMH-365	85.30 (DMH-364) 85.30 (CB-259)	85.20 (DMH-366)	89.10
DMH-366	80.25 (DMH-365) 80.25 (CB-258)	80.15 (DMH-367)	84.90
DMH-367	78.20 (DMH-366) 78.20 (CB-257)	78.10 (WQS-616)	85.50
DMH-368	78.75 (CB-262) 78.75 (AD-118)	78.65 (DMH-369)	83.80
DMH-369	78.55 (DMH-368) 78.55 (CB-263)	78.05 (WQS-617)	83.70
DMH-370	78.90 (CB-265) 78.90 (CB-268)	78.90 (WQS-618)	82.90
DMH-371	78.00 (AD-121) 77.20 (WQS-617) 77.60 (WQS-618)	76.60 (DMH-373)	84.20
DMH-372	68.00 (DMH-374) 79.00 (TRACK TD 3) 78.50 (DMH-312)	67.90 (DMH-375)	83.30
DMH-373	76.20 (DMH-371) 76.20 (WQS-616)	76.10 (BASIN2-IN-1)	86.00
DMH-374	74.00 (DMH-386) 71.10 (OCS-405)	71.00 (DMH-372)	83.00
DMH-375	66.70 (DMH-372) 66.70 (DMH-380)	64.70 (EX-HEADWALL-2)	83.40

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
CB-229		158.00 (DMH-323)	162.28
CB-230		155.30 (DMH-324)	159.42
CB-231		155.30 (DMH-324)	159.41
CB-232		157.75 (DMH-325)	161.75
CB-233		157.25 (DMH-326)	161.60
CB-234		158.00 (DMH-327)	162.00
CB-235		140.10 (DMH-329)	144.10
CB-236		139.00 (DMH-329)	144.21
CB-237		138.25 (DMH-330)	142.62
CB-238		138.20 (DMH-331)	142.20
CB-239		138.58 (DMH-332)	142.58
CB-240		149.75 (WQS-611)	153.75
CB-241		138.90 (DMH-342)	142.90
CB-242		138.30 (DMH-342)	143.10
CB-243		138.75 (DMH-343)	142.75
CB-244		123.00 (DMH-348)	128.66
CB-245		111.30 (DMH-349)	116.95
CB-246		105.30 (DMH-350)	109.37
CB-247		97.55 (DMH-351)	103.46
CB-248		89.40 (DMH-353)	94.21

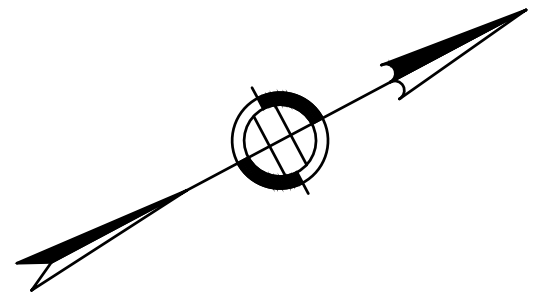
STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
DMH-376	74.00 (DMH-347)		82.75
DMH-377	75.35 (DMH-385) 75.35 (AB-103)		86.00
DMH-378	74.40 (CB-270) 74.40 (CB-271) 74.40 (CB-286)	74.30 (WQS-619)	80.60
DMH-379	74.00 (WQI-501) 72.80 (OCS-400) 73.00 (WQS-619)	72.00 (DMH-380)	78.00
DMH-380	68.00 (DMH-379)	68.00 (DMH-375)	76.00
DMH-381	80.00 (DMH-384)		86.00
DMH-382	81.70 (WQI-502) 81.70 (AD-119)	81.60 (12"x6" TEE-4)	85.47
DMH-383	80.30 (12"x6" TEE-6)	80.20 (DMH-385)	85.50
DMH-384	82.50 (UD-2 HEADER PIPE) 82.50 (UD-1 HEADER PIPE) 82.40 (AD-122)	82.40 (DMH-381)	86.10
DMH-385	77.75 (AD-120) 79.00 (WQI-503) 79.63 (DMH-383)	77.50 (DMH-377)	84.50
DMH-386	79.00 (UD-3 HEADER PIPE) 79.00 (TRACK TD HEADER PIPE 1) 79.00 (UD-7&8) 79.00 (TRACK TD 4)	78.90 (DMH-374)	83.30
MINI DRYWELL	75.00 (AB-102)		77.00
OCS-401	126.10 (BASIN1-OUT) 125.50 (SS-4 UD)	125.40 (LS-1)	132.35
OCS-402	137.60 (BASIN2-OUT)	130.00 (LS-2)	140.83
OCS-403	157.10 (BASIN3-OUT)	156.00 (LS-3)	160.10
OCS-404	153.90 (BASIN4-OUT)	153.80 (DMH-309)	157.95
OCS-405	75.35 (BASIN5-OUT) 74.50 (SS-5 UD)	74.40 (DMH-374)	85.00
OCS-406	73.85 (BASIN6-OUT) 73.00 (SS-6 UD)	72.90 (DMH-379)	78.65
OCS-407	77.60 (BASIN7-OUT) 76.75 (SS-7 UD)	76.65 (HEADWALL-1)	86.10
OCS-408	152.35 (BASIN8-OUT) 151.50 (SS-8 UD)	151.40 (LS-7)	159.75

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
CB-249		85.00 (DMH-354)	90.18
CB-250		82.85 (DMH-355)	86.85
CB-251		82.55 (DMH-355)	87.95
CB-252		82.80 (DMH-356)	88.10
CB-253		83.50 (DMH-359)	87.80
CB-254		83.50 (DMH-359)	87.84
CB-255		85.50 (DMH-357)	88.85
CB-256		85.50 (DMH-357)	88.77
CB-257		78.65 (DMH-367)	82.35
CB-258		81.00 (DMH-366)	85.00
CB-259		85.40 (DMH-365)	89.00
CB-260		95.30 (DMH-364)	99.80
CB-261		95.50 (DMH-364)	99.10
CB-262		80.50 (DMH-368)	85.40
CB-263		78.80 (DMH-369)	82.80
CB-264		78.90 (WQS-617)	82.40
CB-265		79.00 (DMH-370)	82.05
CB-266		77.75 (DMH-378)	81.75
CB-267		78.80 (WQS-618)	82.25
CB-268		79.00 (DMH-370)	82.53

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM
WQI-501		74.25 (DMH-379)	78.25
WQI-502		82.00 (DMH-382)	84.50
WQI-503		79.50 (DMH-385)	83.50
WQI-504		154.05 (Structure - (650))	157.05
WQS-601	126.60 (DMH-301)	126.35 (BASIN1-IN)	131.84
WQS-602	127.80 (DMH-302)	127.80 (BASIN1-IN2)	136.09
WQS-603	137.90 (DMH-303)	137.70 (BASIN2-IN)	144.69
WQS-604	154.65 (DMH-307)	154.00 (BASIN4-IN2)	159.60
WQS-605	154.20 (CB-215)	153.95 (BASIN4-IN1)	157.25
WQS-606	152.80 (DMH-310) 152.80 (DMH-308)	152.55 (BASIN8-IN1)	160.75
WQS-607	154.35 (CB-216) 154.35 (CB-217)	154.10 (BASIN4-IN3)	158.20
WQS-608	157.40 (DMH-311)	157.15 (BASIN8-IN2)	160.35
WQS-609	157.70 (CB-222) 157.70 (CB-223)	157.20 (BASIN3-IN1)	162.00
WQS-610	157.45 (DMH-313)	157.20 (BASIN3-IN2)	161.80
WQS-611	143.70 (CB-240)	143.50 (DMH-321)	149.00
WQS-612	135.40 (DMH-332)	135.20 (DMH-344)	142.90
WQS-613	137.00 (DMH-343)	137.00 (DMH-344)	143.10
WQS-614	85.50 (CB-272) 85.50 (CB-273)	85.30 (EX-DMH-1)	89.43
WQS-615	79.55 (DMH-360)	79.40 (DMH-361)	86.40
WQS-616	77.75 (DMH-367) 77.75 (AD-117)	77.50 (DMH-373)	85.50



KEY MAP
S18

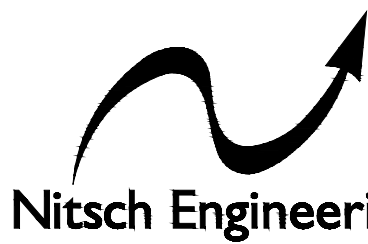


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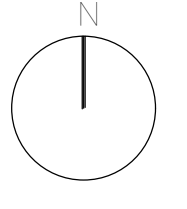
MATCHLINE SEE SHEET C-501

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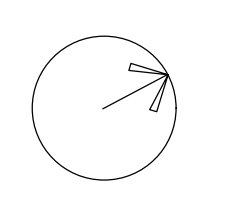
BID SET

AUGUST 28, 2023

PROJECT NORTH



MAGNETIC NORTH



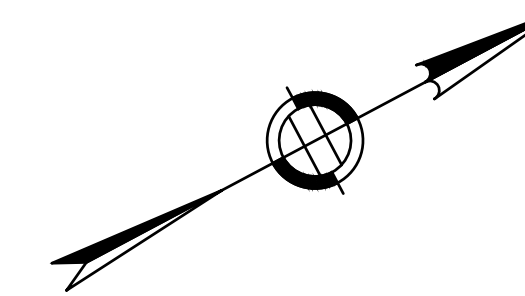
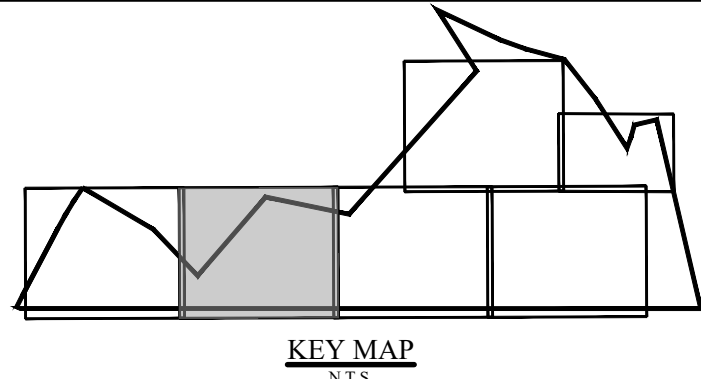
UTILITY SITE PLAN

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-500

NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO THE DRAINAGE PLANS FOR INFORMATION ABOUT THE PROPOSED DRAINAGE SYSTEM.
3. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E0-1-1 TO E01-7).

SCALE:
1" = 20'
20 10 0 20 40

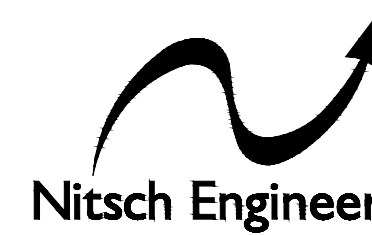


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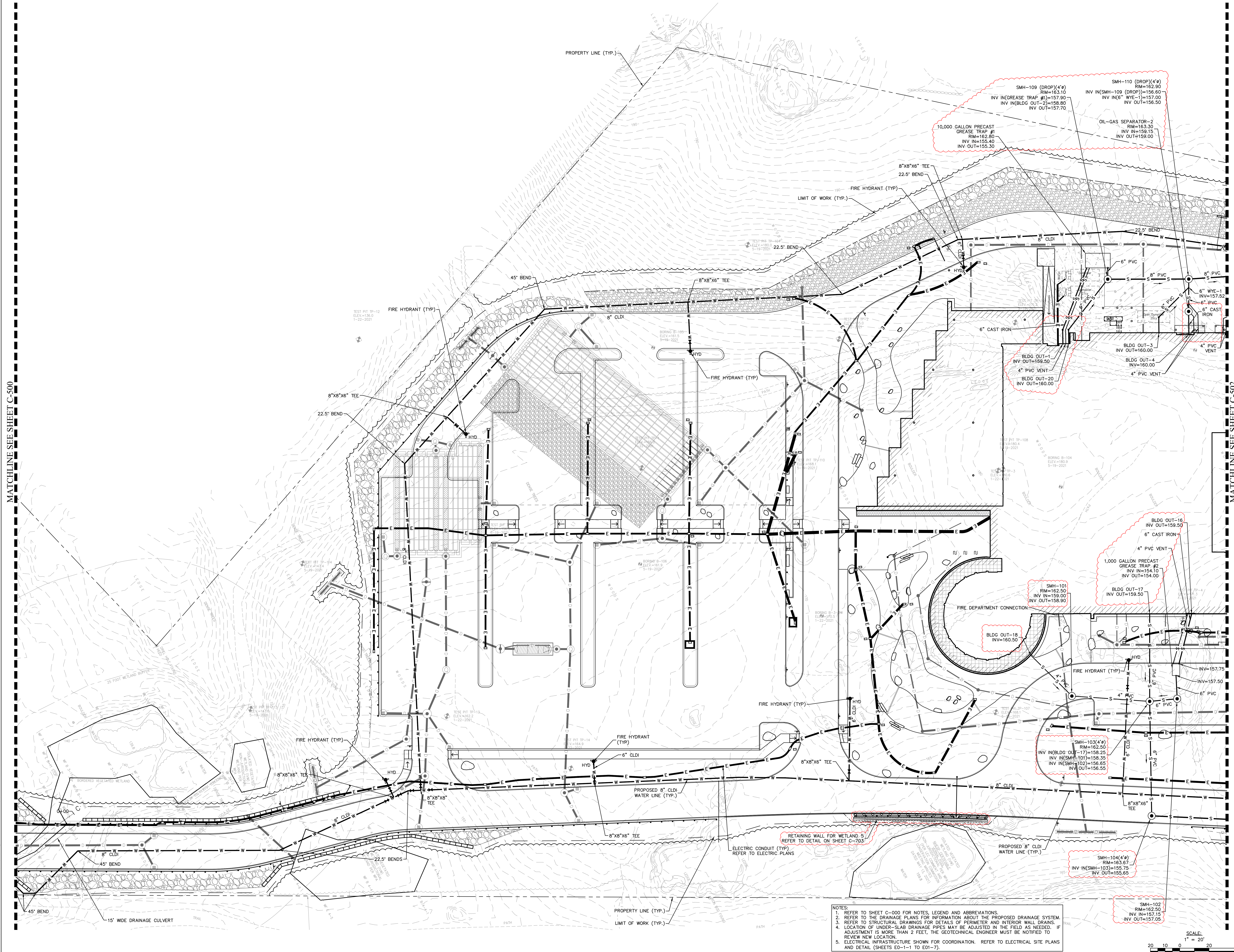
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MATCHLINE SEE SHEET C-500

MATCHLINE SEE SHEET C-502

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS SHALL BE TO THE CENTERLINE OF THE DRAINAGE SYSTEM.

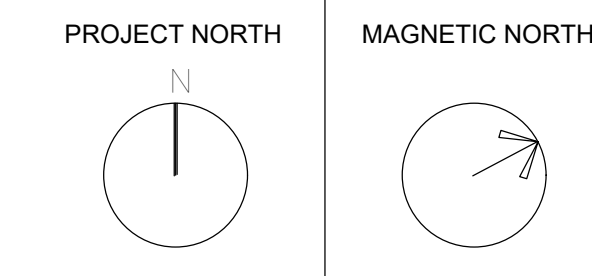


- NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS.
 2. REFER TO THE DRAINAGE PLANS FOR INFORMATION ABOUT THE PROPOSED DRAINAGE SYSTEM.
 3. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PERIMETER AND INTERIOR WALL DRAINS.
 4. LOCATION OF UNDER-SLAB DRAINAGE PIPES MAY BE ADJUSTED IN THE FIELD AS NEEDED. IF ADJUSTMENT IS MORE THAN 2 FEET, THE GEOTECHNICAL ENGINEER MUST BE NOTIFIED TO REVIEW NEW LOCATION.
 5. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E0-1-1 TO E01-7).

SCALE:
1" = 20'
20 10 0 10 20

BID SET

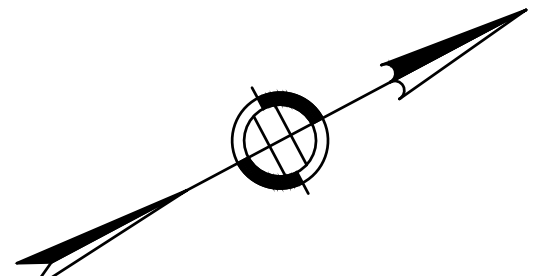
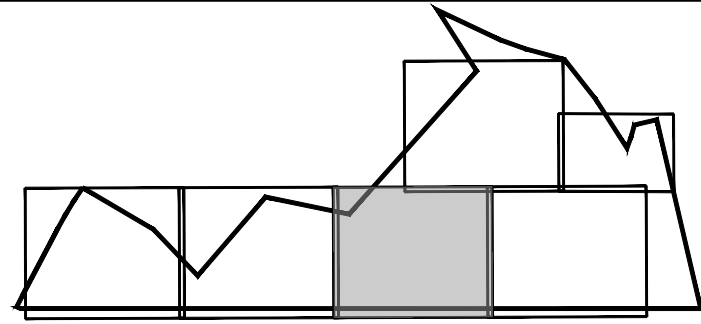
AUGUST 28, 2023



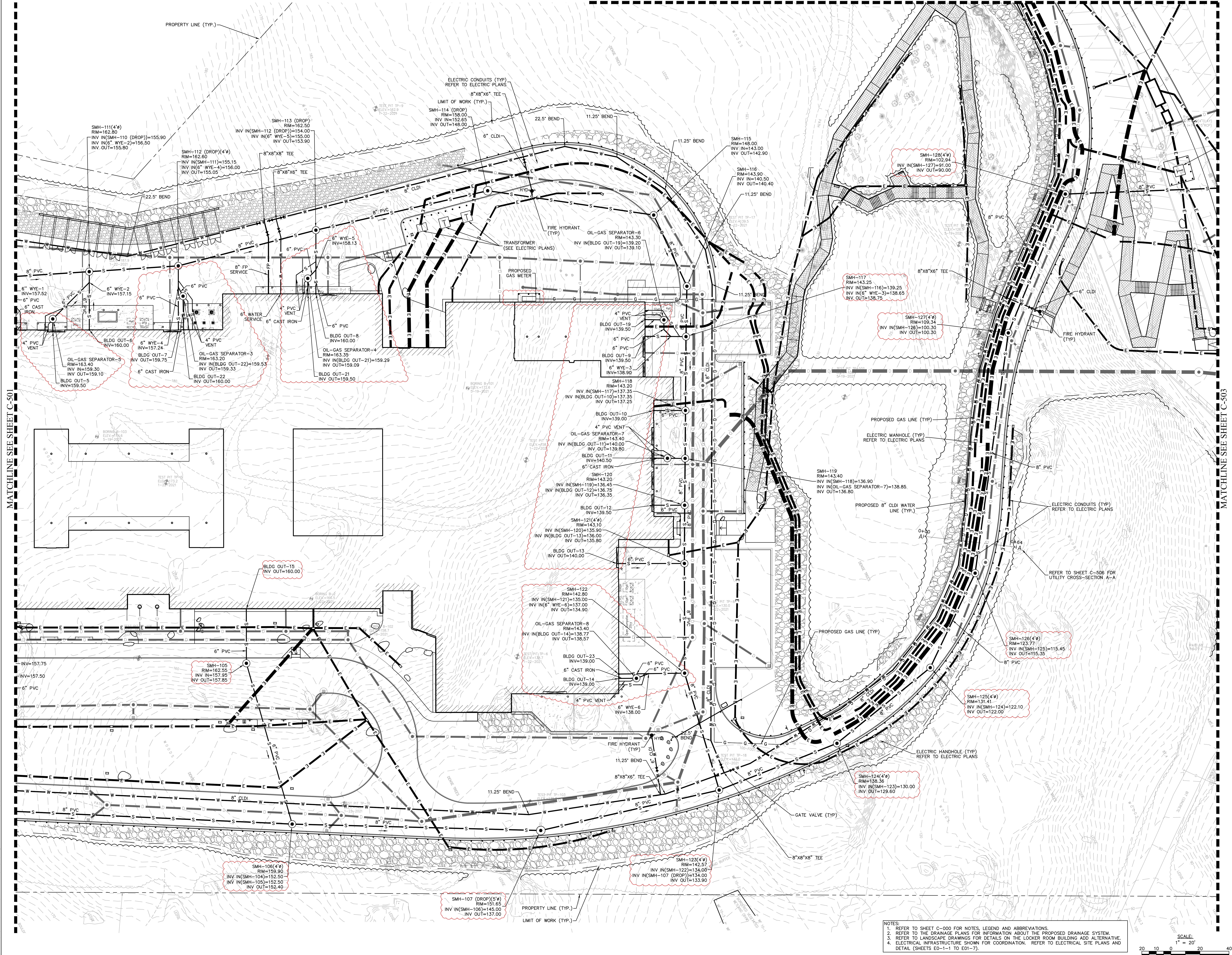
**UTILITY SITE PLAN
II**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCB
Date: AUGUST 28, 2023

C-501



MATCHLINE SEE SHEET C-504



NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO THE DRAINAGE PLANS FOR INFORMATION ABOUT THE PROPOSED DRAINAGE SYSTEM.
3. REFER TO LANDSCAPE DRAWINGS FOR DETAILS ON THE LOCKER ROOM BUILDING ADD ALTERNATIVE.
4. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E0-1-1 TO E01-2-1).

SCALE:
1" = 20'
20 10 0 10 20 40

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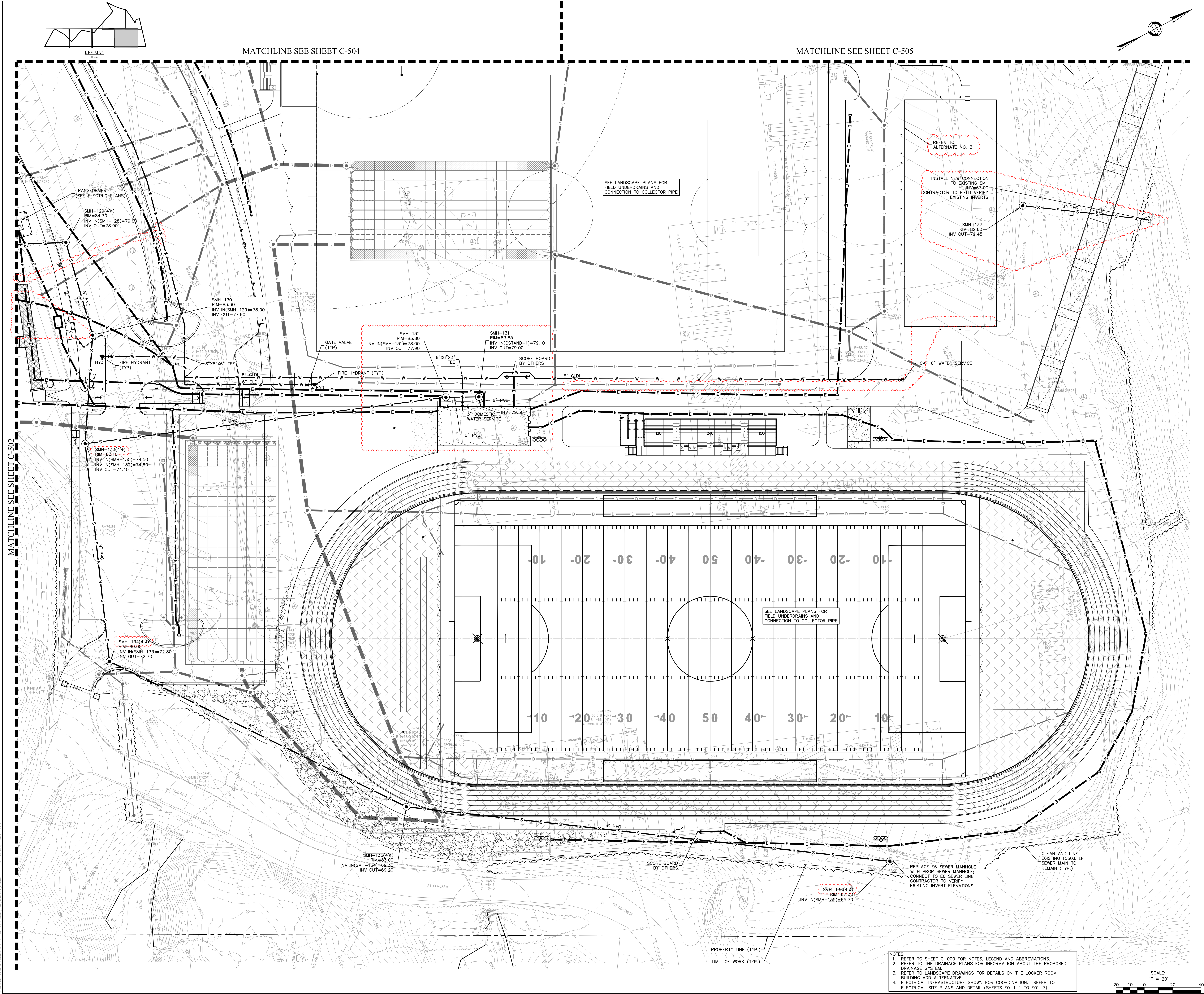
PROJECT NORTH

MAGNETIC NORTH

UTILITY SITE PLAN
III

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-502



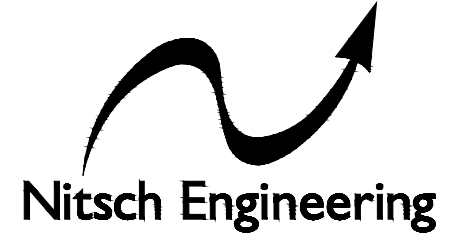
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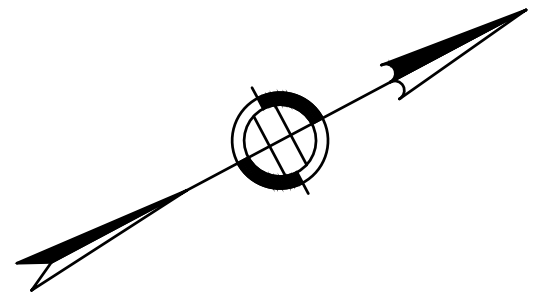
PROJECT NORTH

MAGNETIC NORTH

UTILITY SITE PLAN
IV

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-503



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MATCHLINE SEE SHEET C-505

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BID SET

AUGUST 28, 2023

PROJECT NO.

MAGNETIC NORTH

UTILITY SITE PLAN V

Scale: AS NOTED

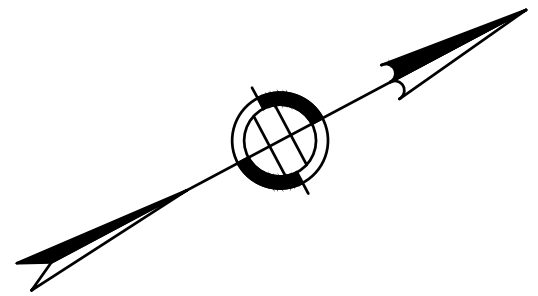
Job No.: 13872

Drawn By: SCD

Date: AUGUST 28, 200

C-504





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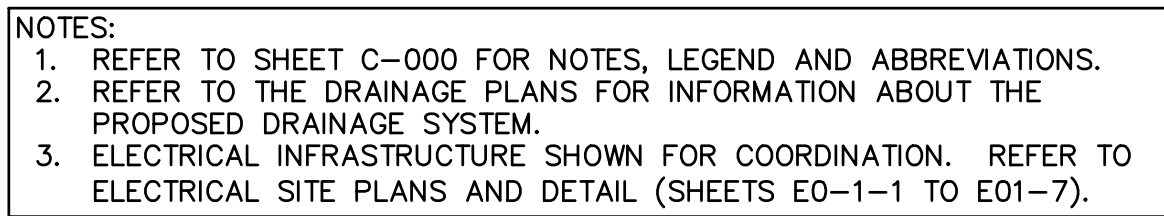
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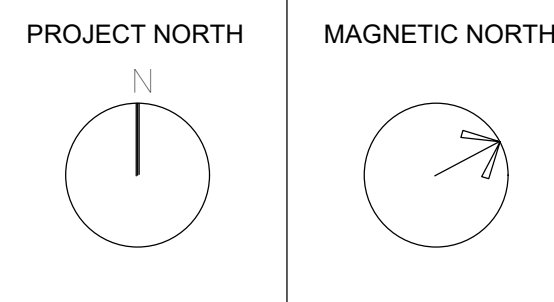
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SCALE:
1" = 20'

A horizontal graphic scale bar with alternating black and white segments. Above the bar, the text "SCALE:" is centered, followed by "1" = 20'". Below the bar, numerical values are placed at the ends of the segments: "20" at the far left, "10" at the first segment boundary, "0" at the center, "20" at the second segment boundary, and "40" at the far right.

AUGUST 28, 2023



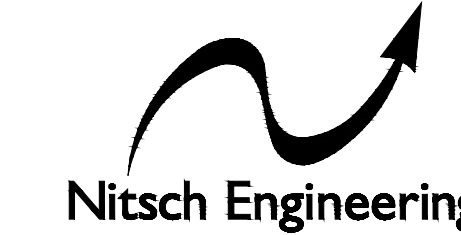
Scale: AS NOTED

Drawn By: SCD
Date: AUGUST 28, 200

C-505

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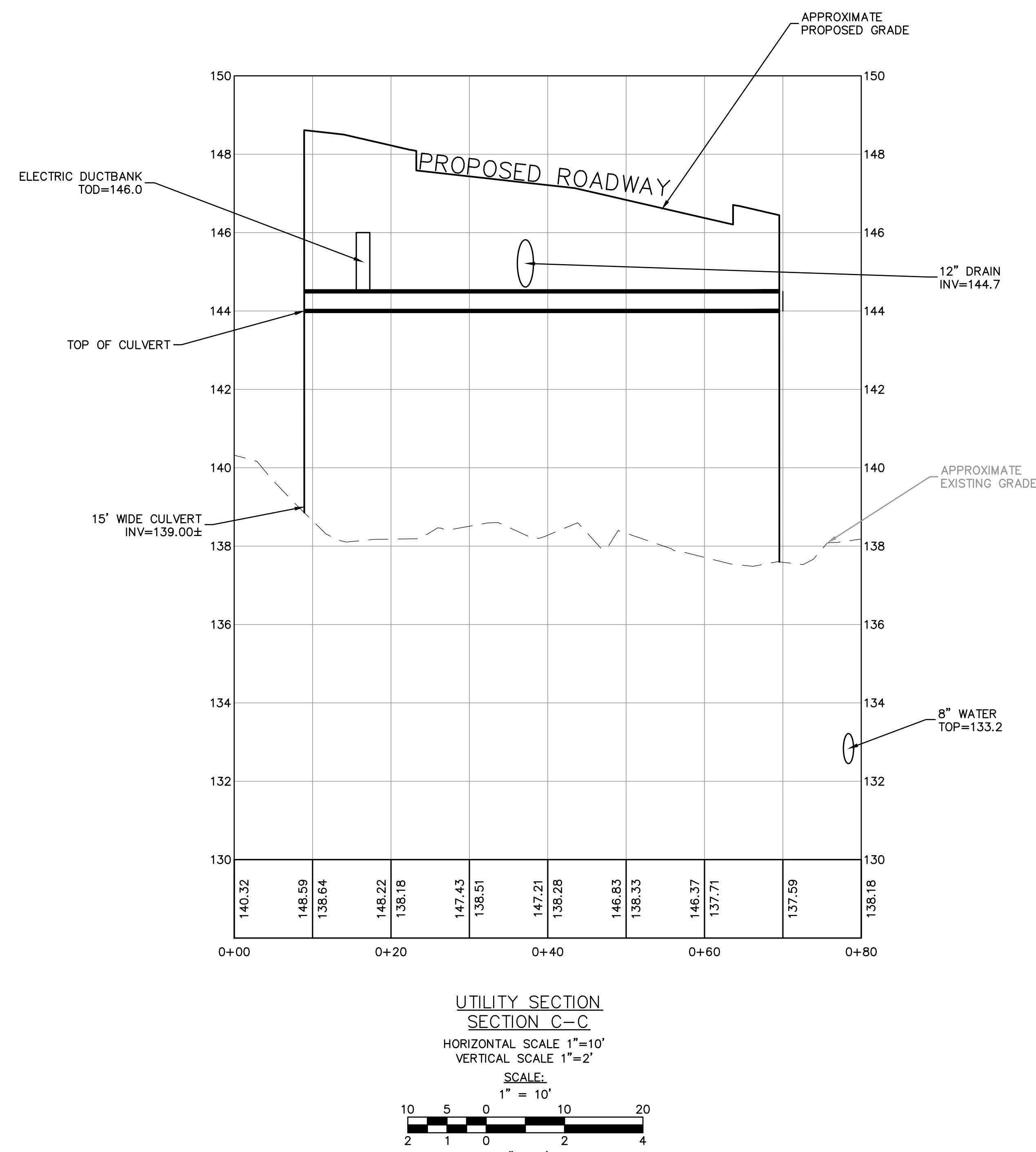
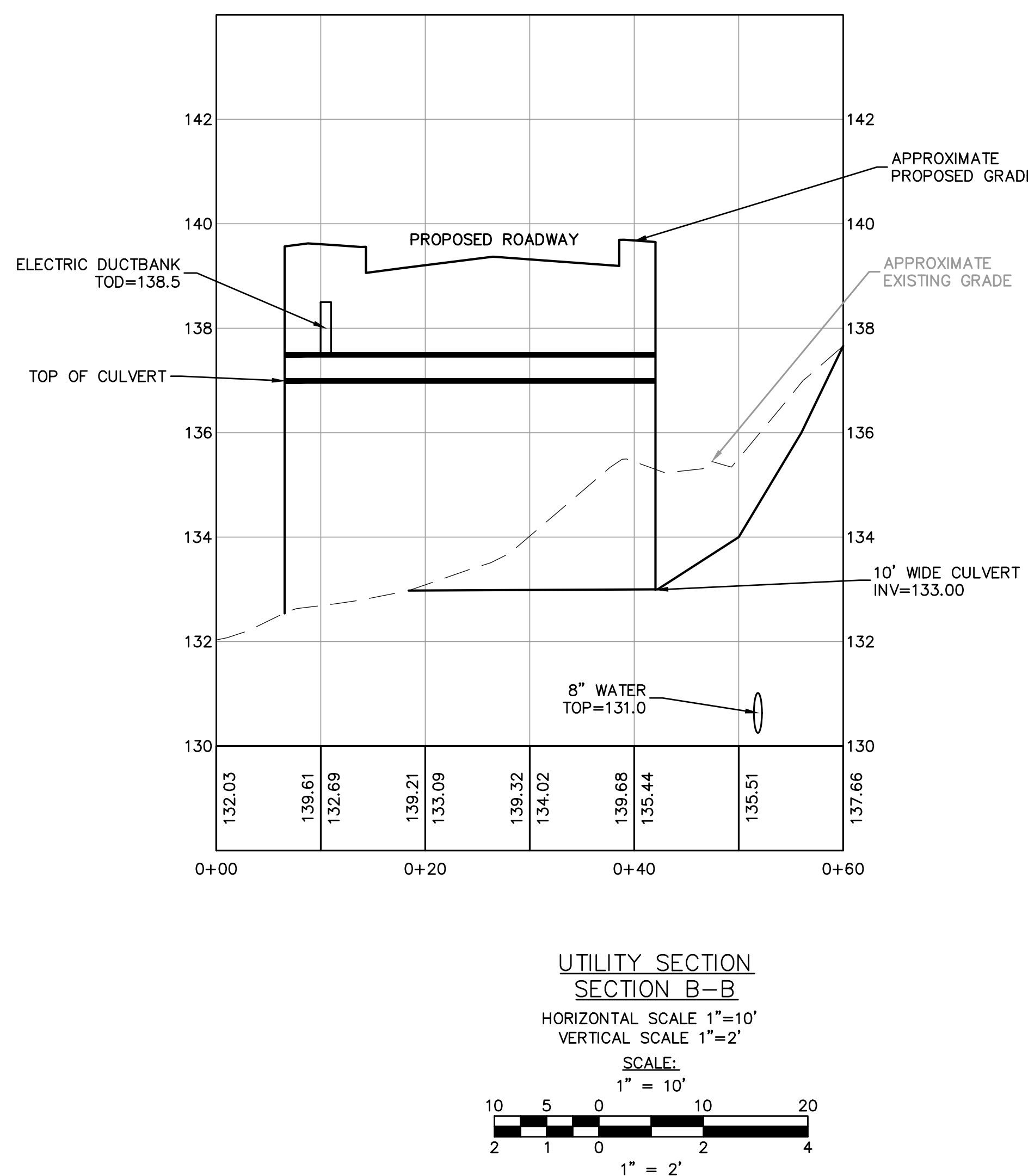
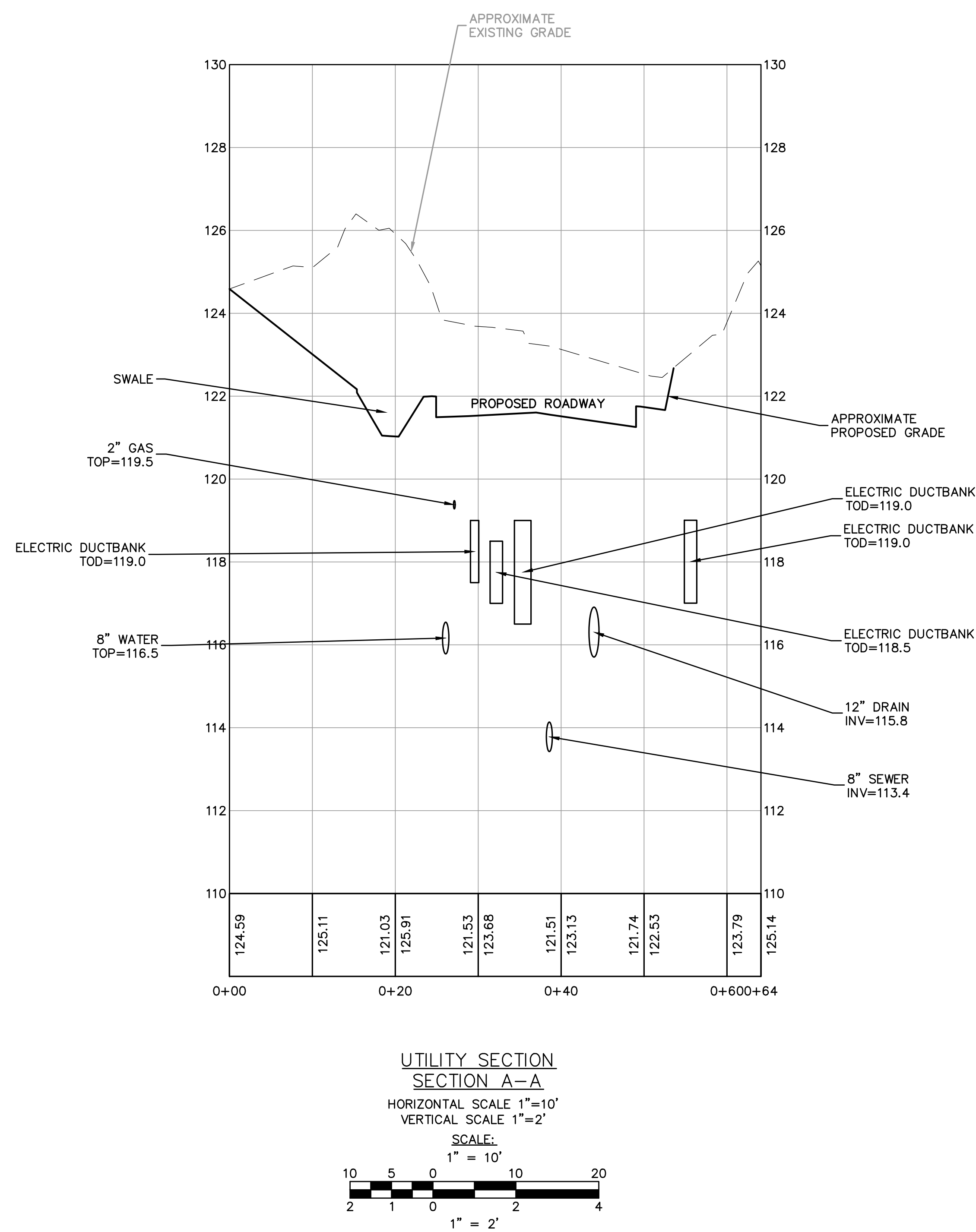
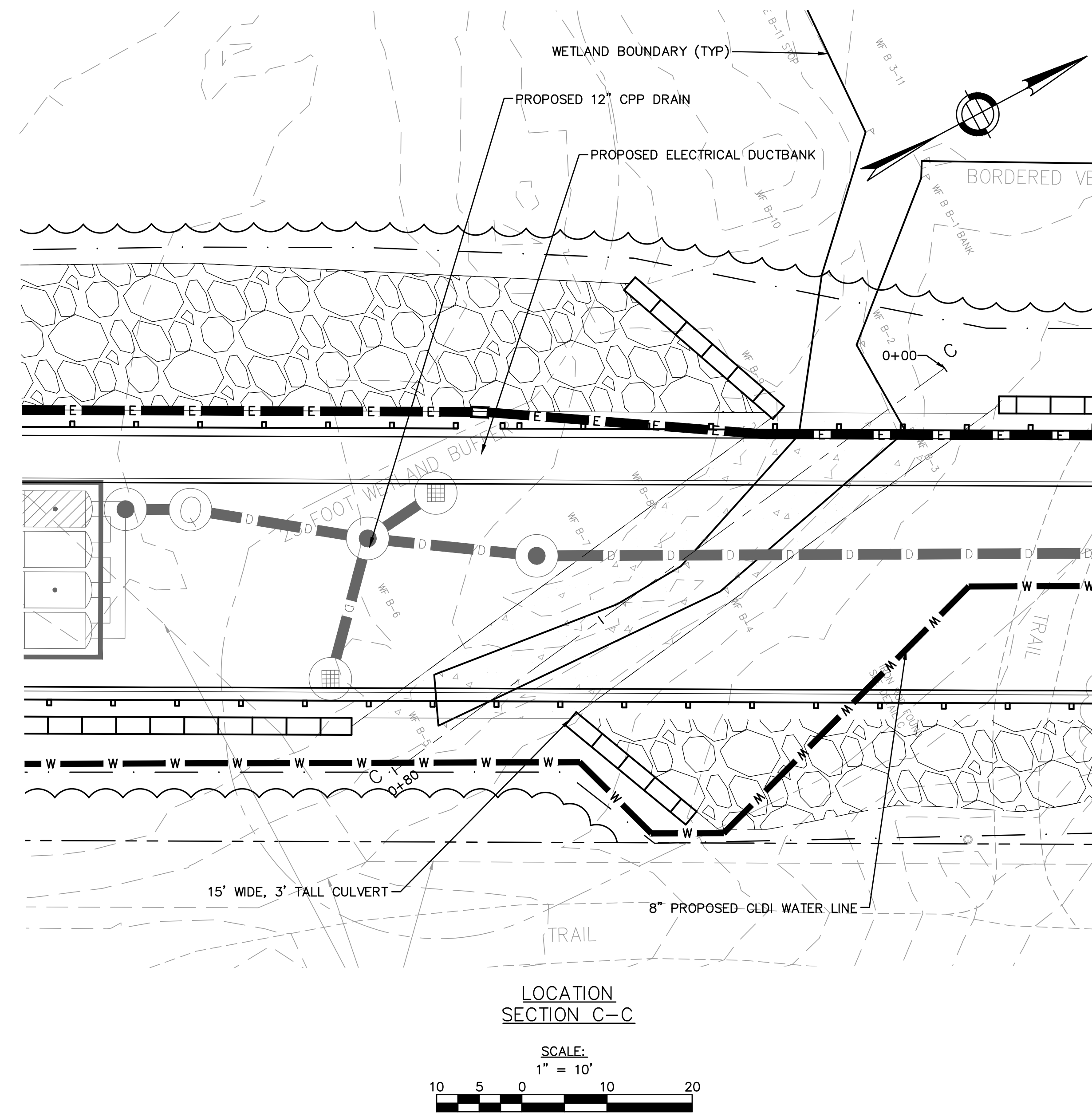
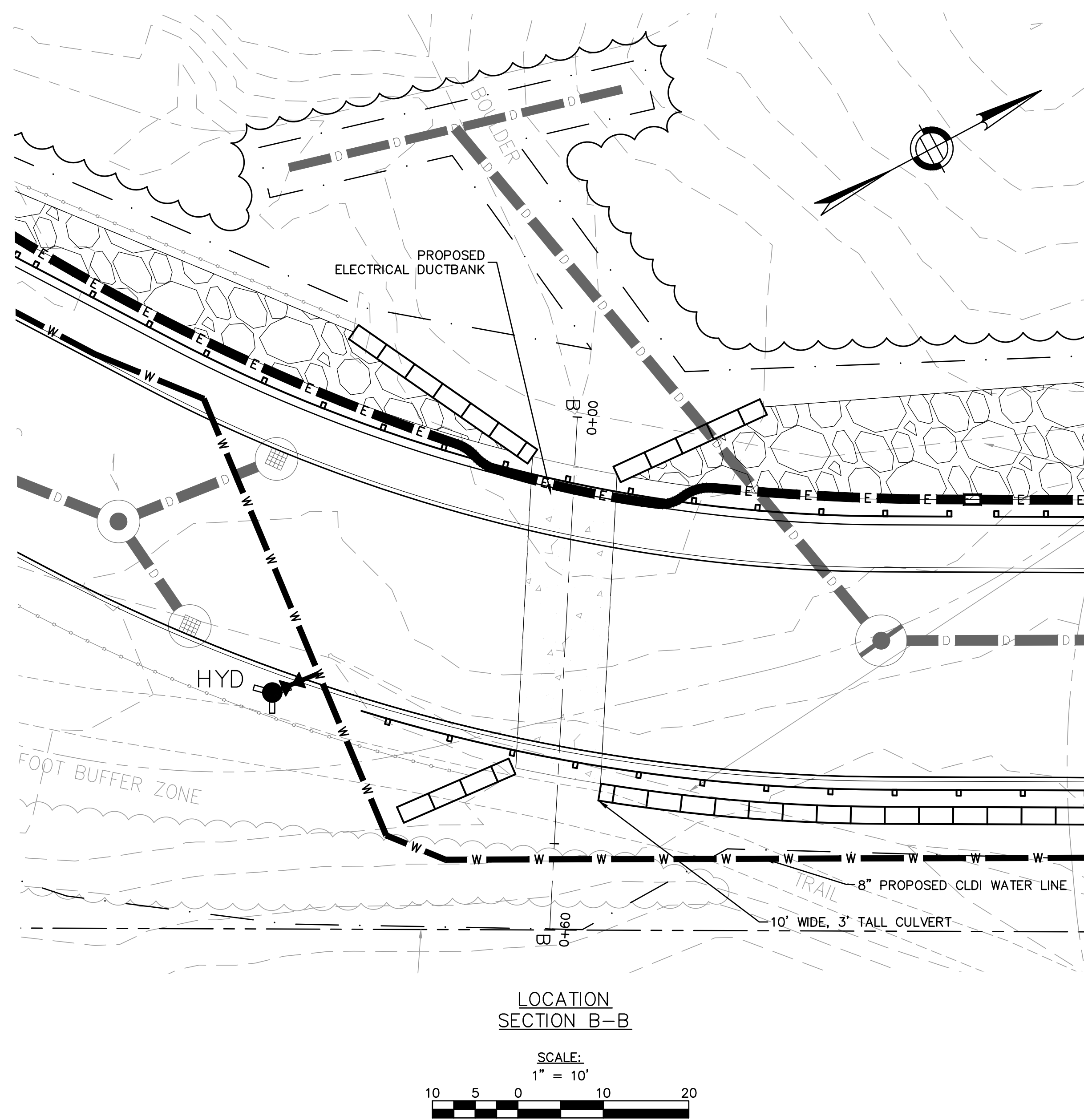
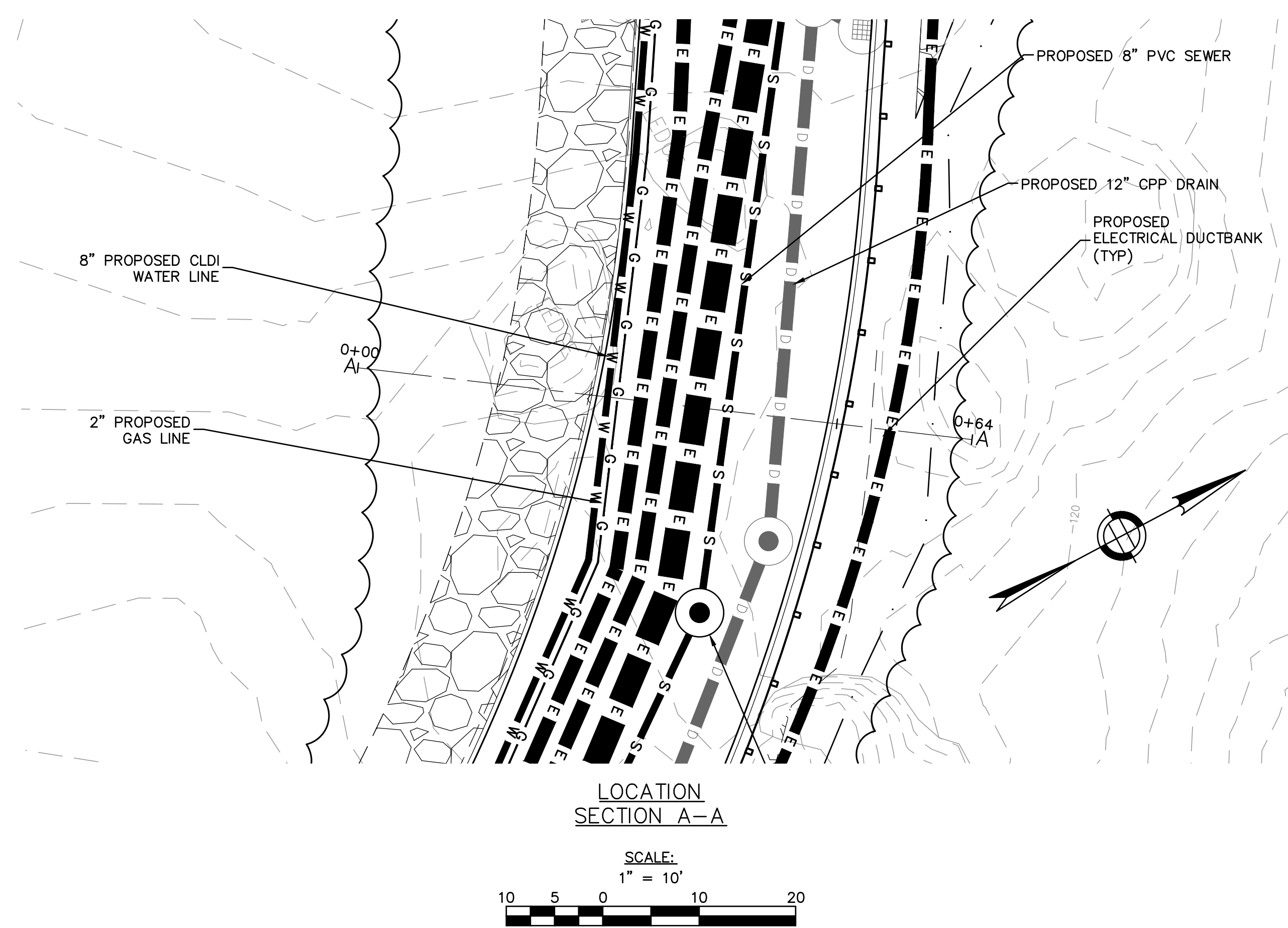
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NITSCH PROJECT No. 1387



NOTES:

1. REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO THE DRAINAGE PLANS FOR INFORMATION ABOUT THE PROPOSED DRAINAGE SYSTEM.
3. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E0-1-1 TO E01-7).

BID SET

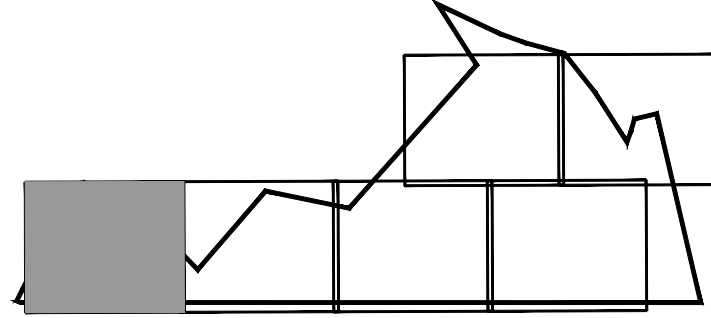
AUGUST 28, 2023

PROJECT NORTH	MAGNETIC NORTH
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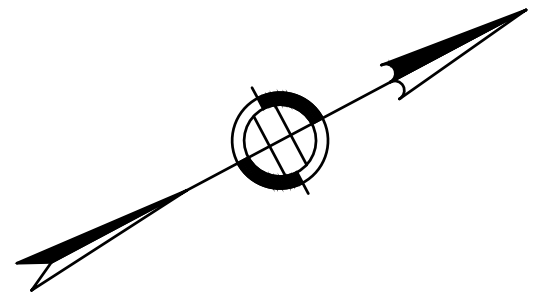
UTILITY X-SECTIONS

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2002

C-506



KEY MAP
S18

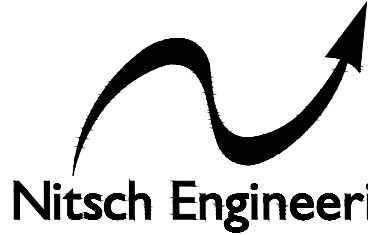


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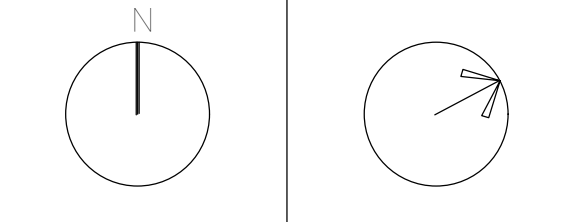
MATCHLINE SEE SHEET C-601

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BID SET

AUGUST 28, 2023

PROJECT NORTH MAGNETIC NORTH



**DRIVEWAY
LAYOUT AND
GRADING PLAN I**

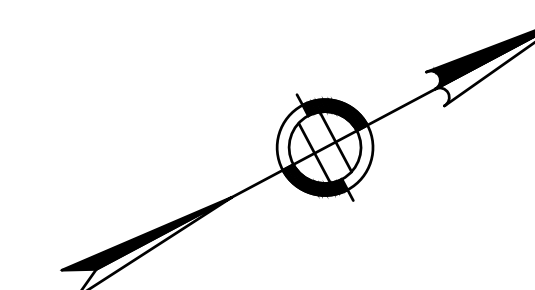
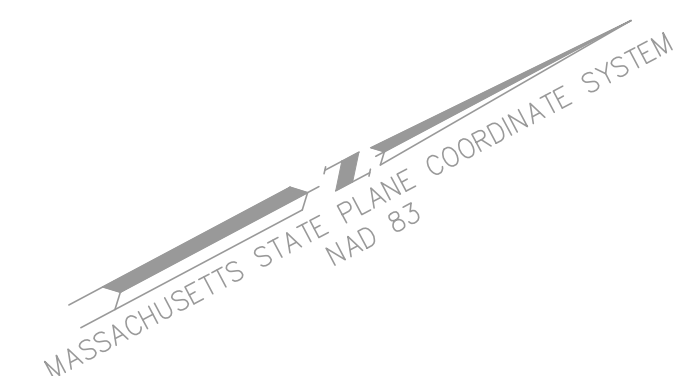
Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-600



NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
2. GRADING SHOWN OUTSIDE OF DRIVEWAY PROFILE IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
3. REFER TO SHEETS C-400 THRU C-406 FOR INFORMATION CONCERNING THE STORMWATER MANAGEMENT SYSTEM.
4. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

SCALE:
1" = 20'
20 10 0 20 40



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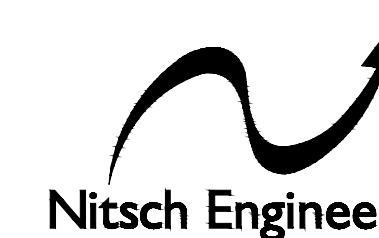
225 Oakland Road Studio 205 South Windsor, CT 06074	260 Charles Street Studio 300 Waltham, MA 02453
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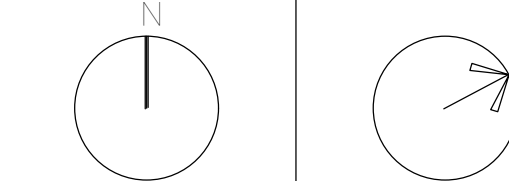
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- ▶ Structural Engineering
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NITSCH PROJECT No. 13872

BID SET

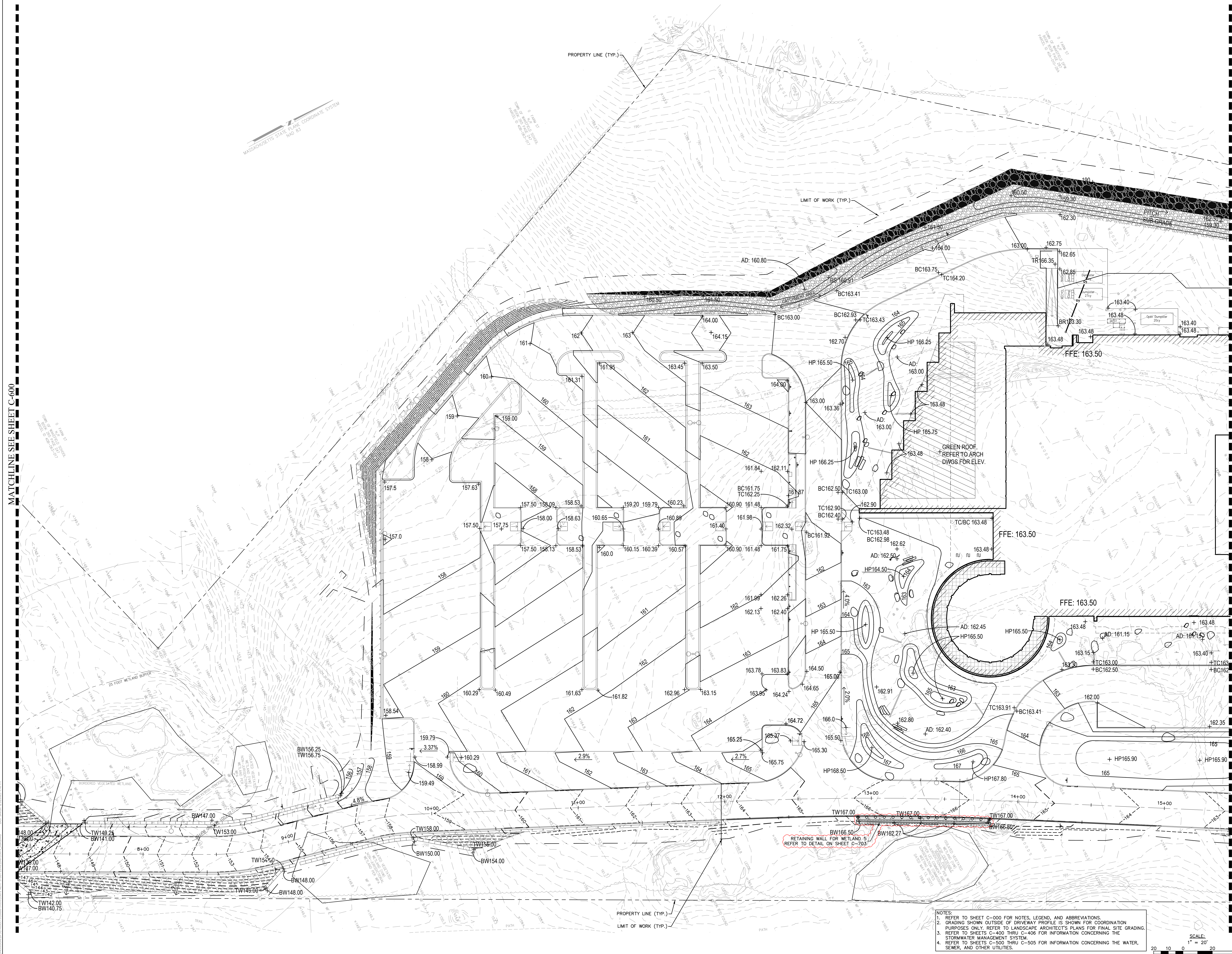
AUGUST 28, 2023

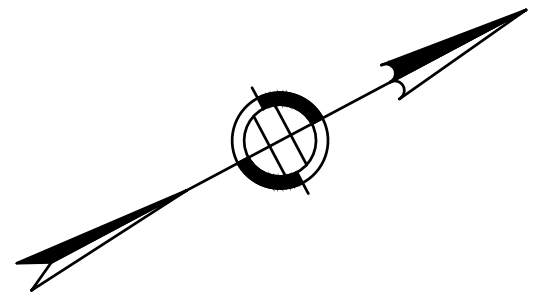
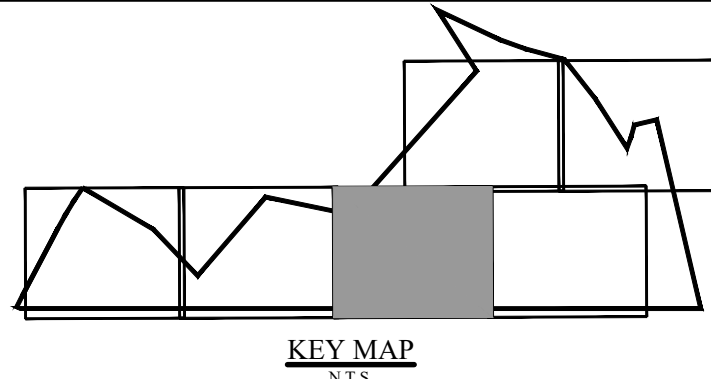
PROJECT NORTH	MAGNETIC NORTH
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DRIVEWAY LAYOUT AND GRADING PLAN I

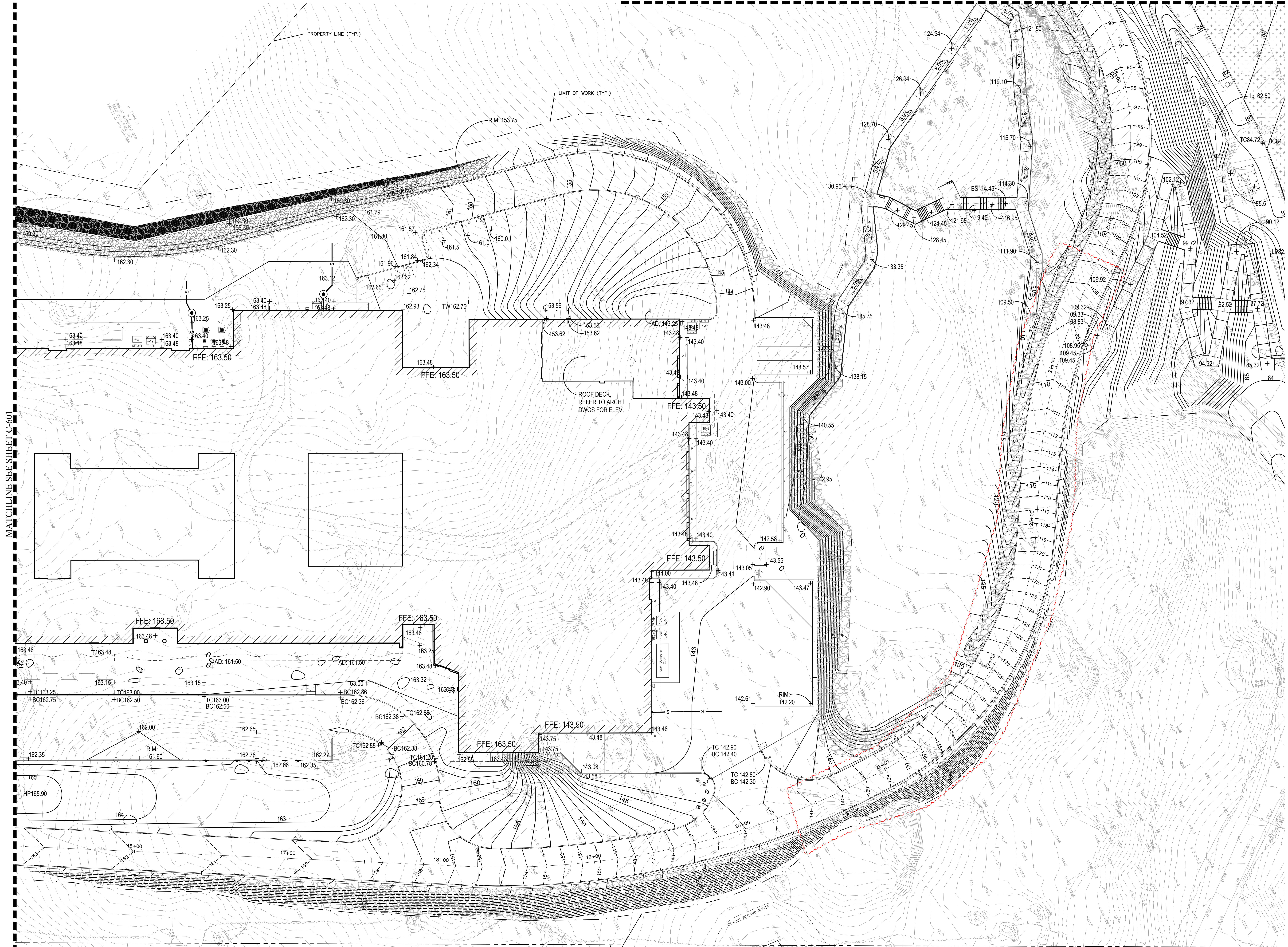
Scale: AS NOTED Job No.: 13872 Drawn By: SCD	C-601
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MATCHLINE SEE SHEET C-603

MATCHLINE SEE SHEET C-601



NOTES:
1. REFER TO SHEET C-600 FOR NOTES, LEGEND, AND ABBREVIATIONS.
2. GRADING SHOWN OUTSIDE OF DRIVEWAY PROFILE IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
3. REFER TO SHEETS C-400 THRU C-406 FOR INFORMATION CONCERNING THE STORMWATER MANAGEMENT SYSTEM.
4. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

SCALE:
1" = 20'
20' 10' 0' 20' 40'

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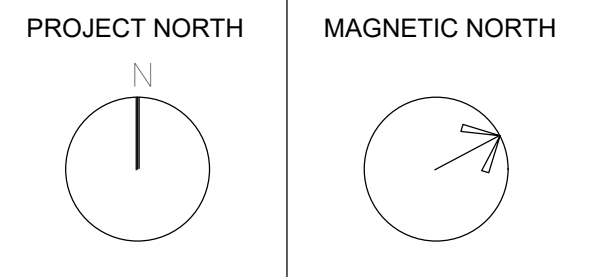
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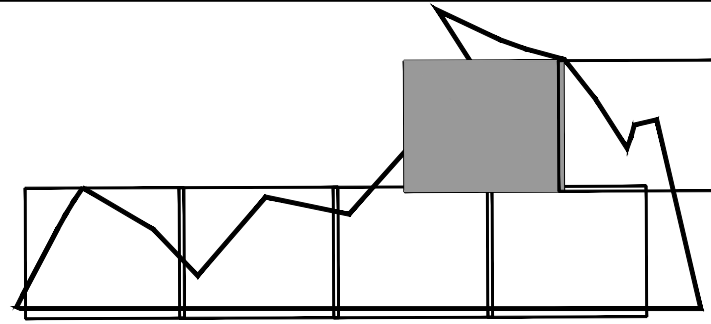
AUGUST 28, 2023



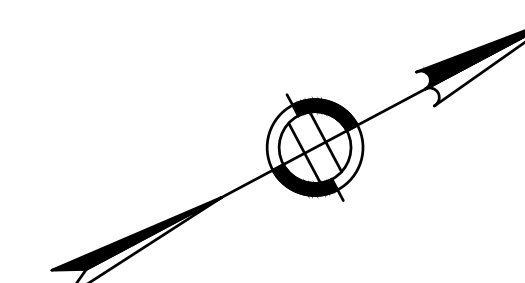
**DRIVEWAY
LAYOUT AND
GRADING PLAN III**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCB
Date: AUGUST 28, 2023

C-602



KEY MAP
S13

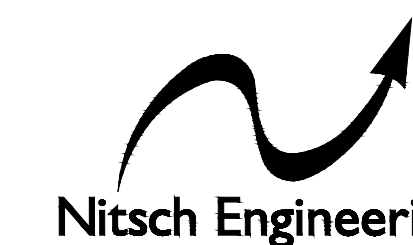


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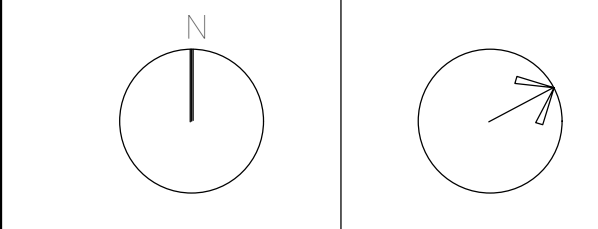
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NITSCH PROJECT No. 13872

BID SET

AUGUST 28, 2023

PROJECT NORTH MAGNETIC NORTH



**DRIVEWAY
LAYOUT AND
GRADING PLAN IV**

Scale: AS NOTED

Job No.: 13872

Drawn By: SC

Date: AUGUST 28, 2023

C-603

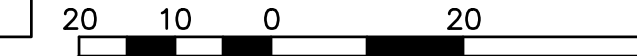


MATCHLINE SEE SHEET C-602

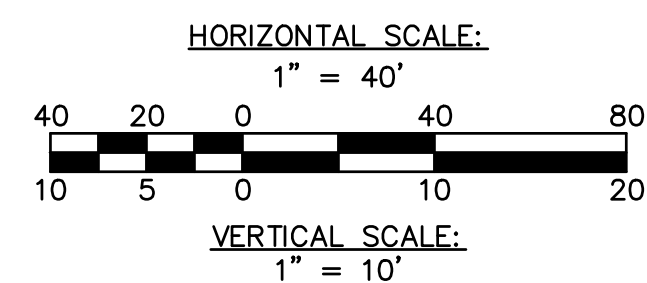
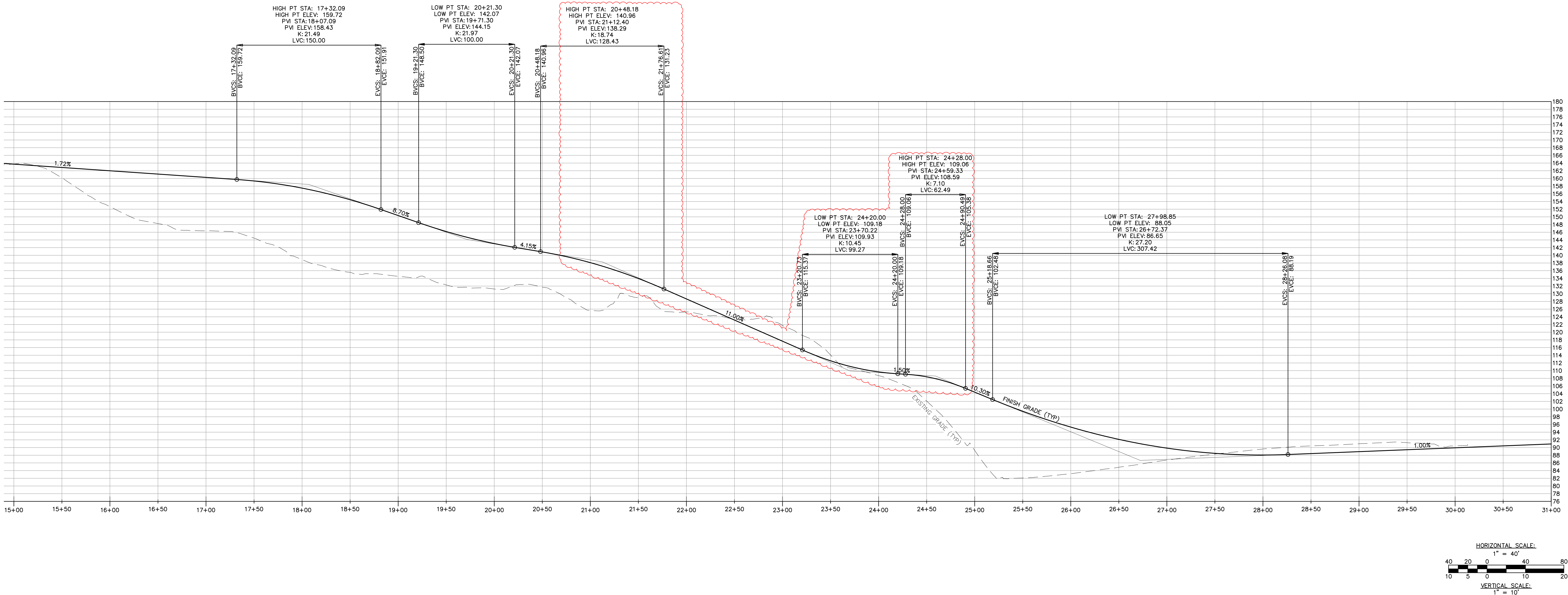
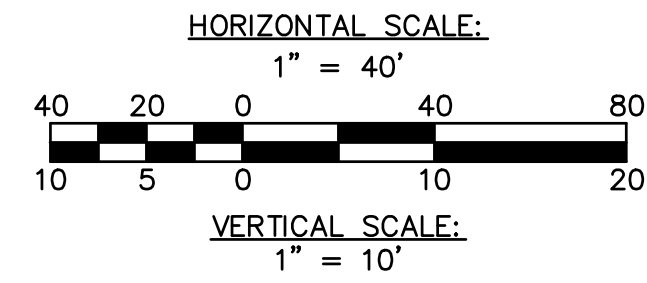
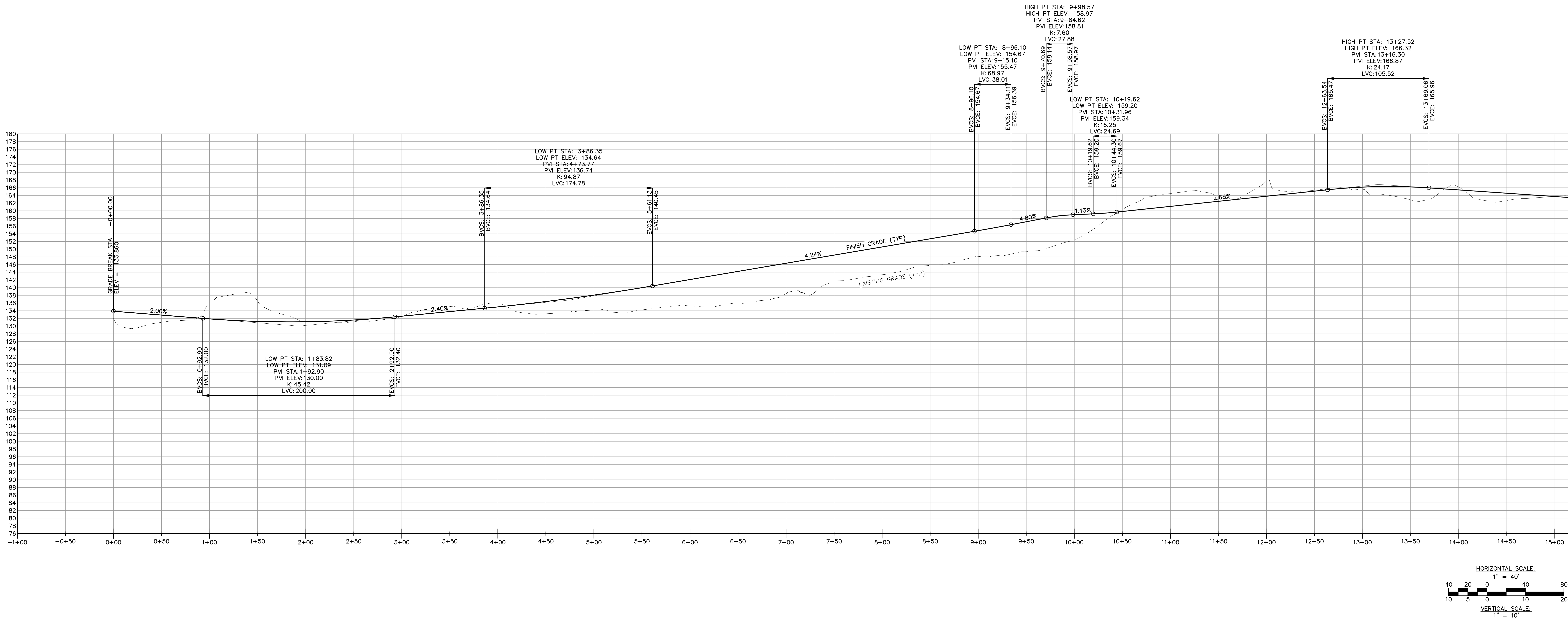
- NOTES:
1. REFER TO SHEET C-600 FOR NOTES, LEGEND, AND ABBREVIATIONS.
 2. GRADING SHOWN OUTSIDE OF DRIVEWAY PROFILE IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
 3. REFER TO SHEETS C-400 THRU C-406 FOR INFORMATION CONCERNING THE STORMWATER MANAGEMENT SYSTEM.
 4. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

87

SCALE:
1" = 20'



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROADWAY UNLESS OTHERWISE SPECIFIED.



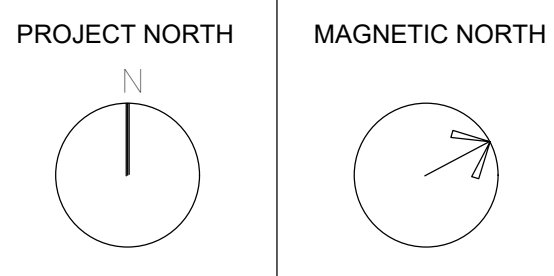
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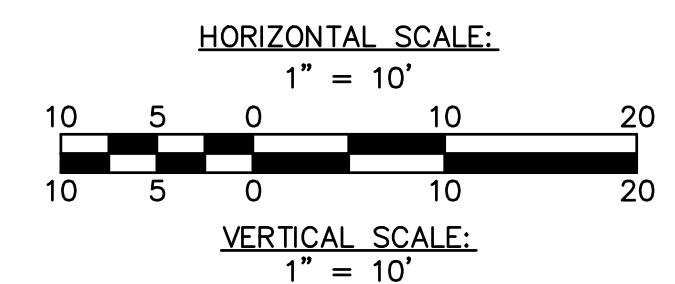
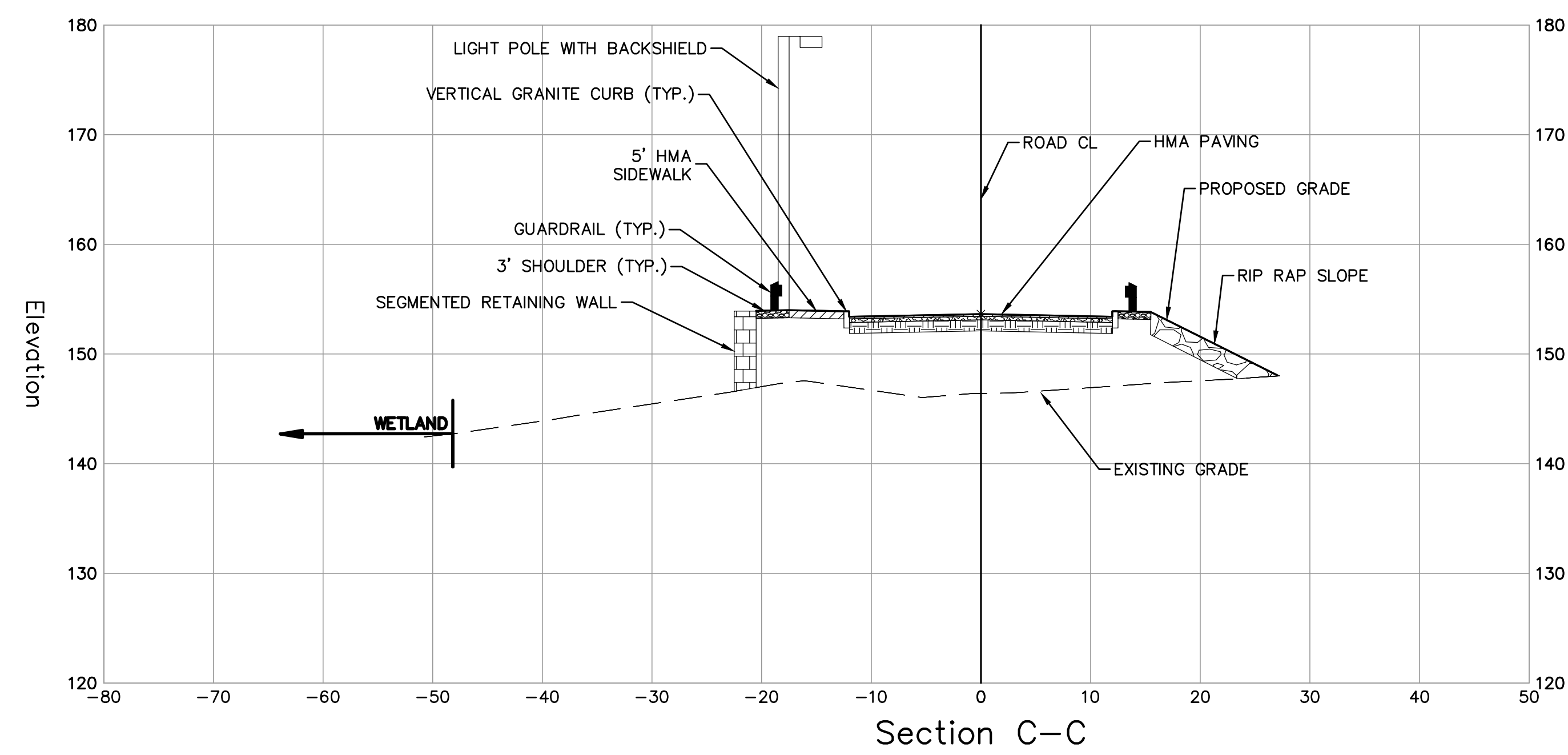
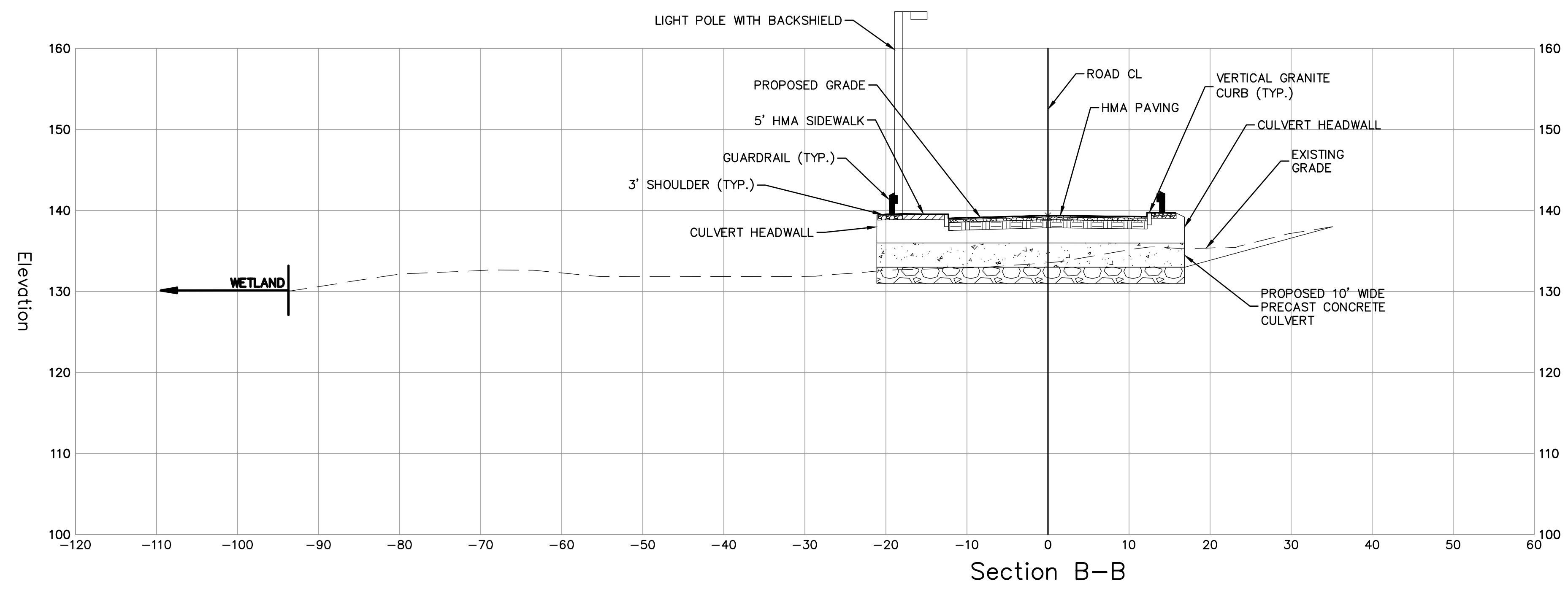
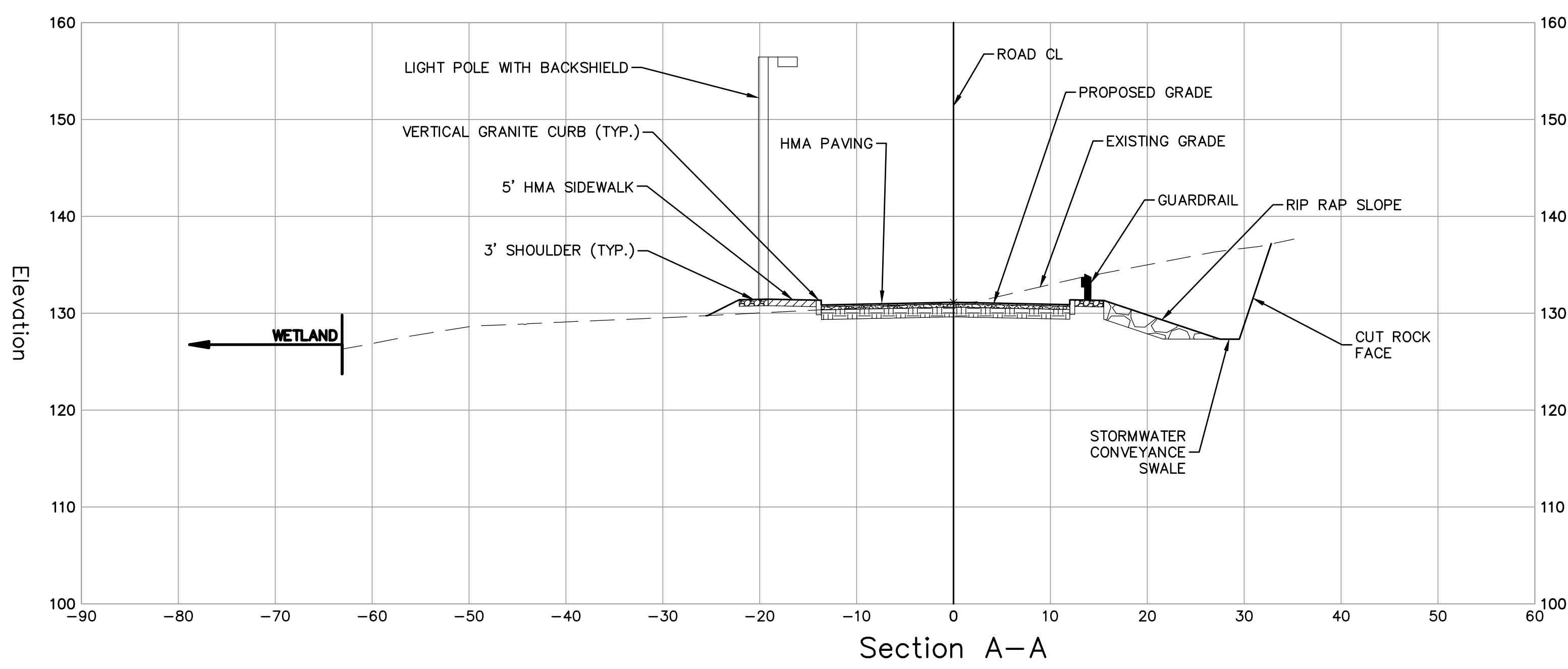
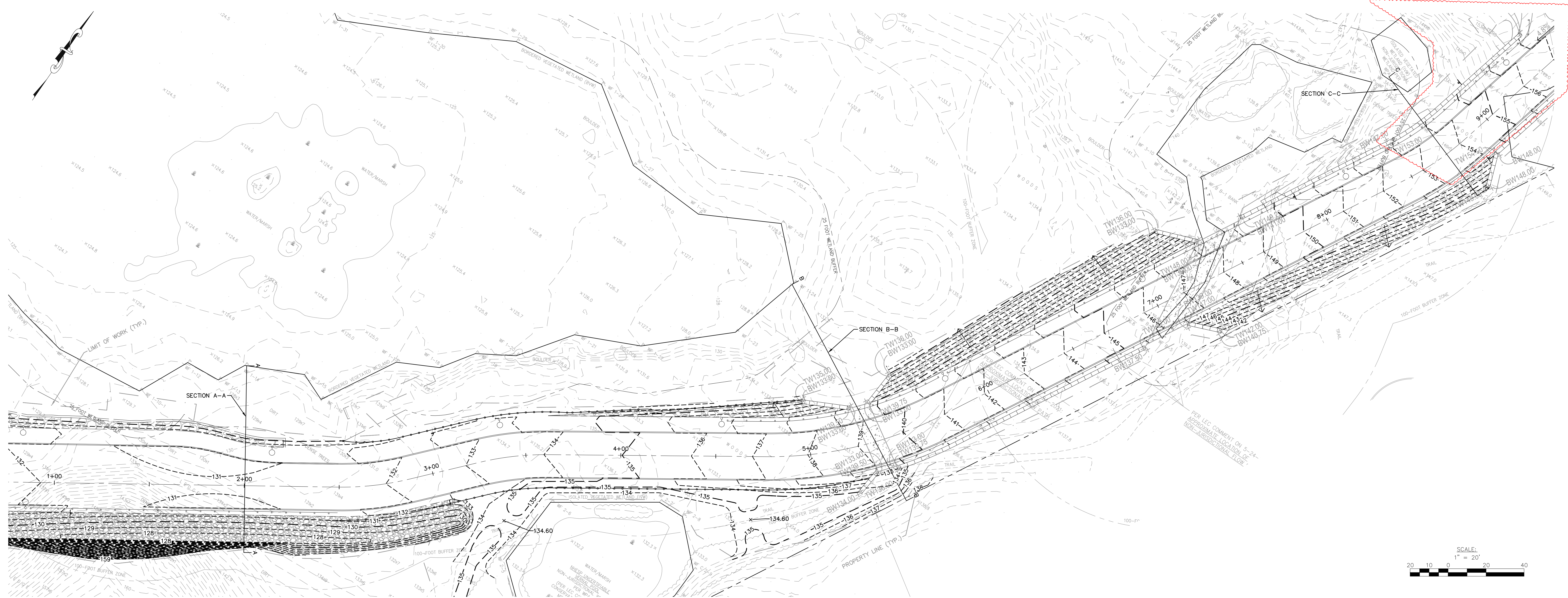
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AUGUST 28, 2023



**DRIVEWAY
PROFILE**

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023
C-604



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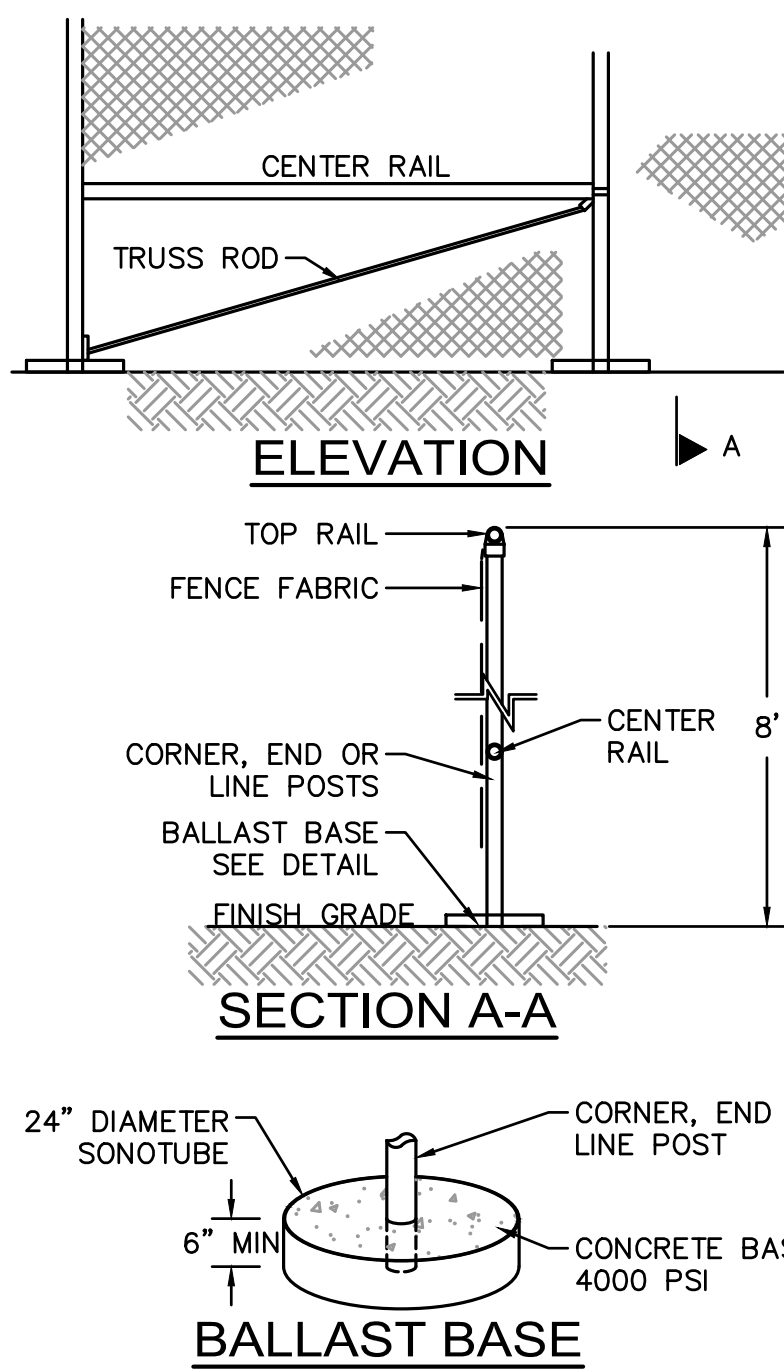
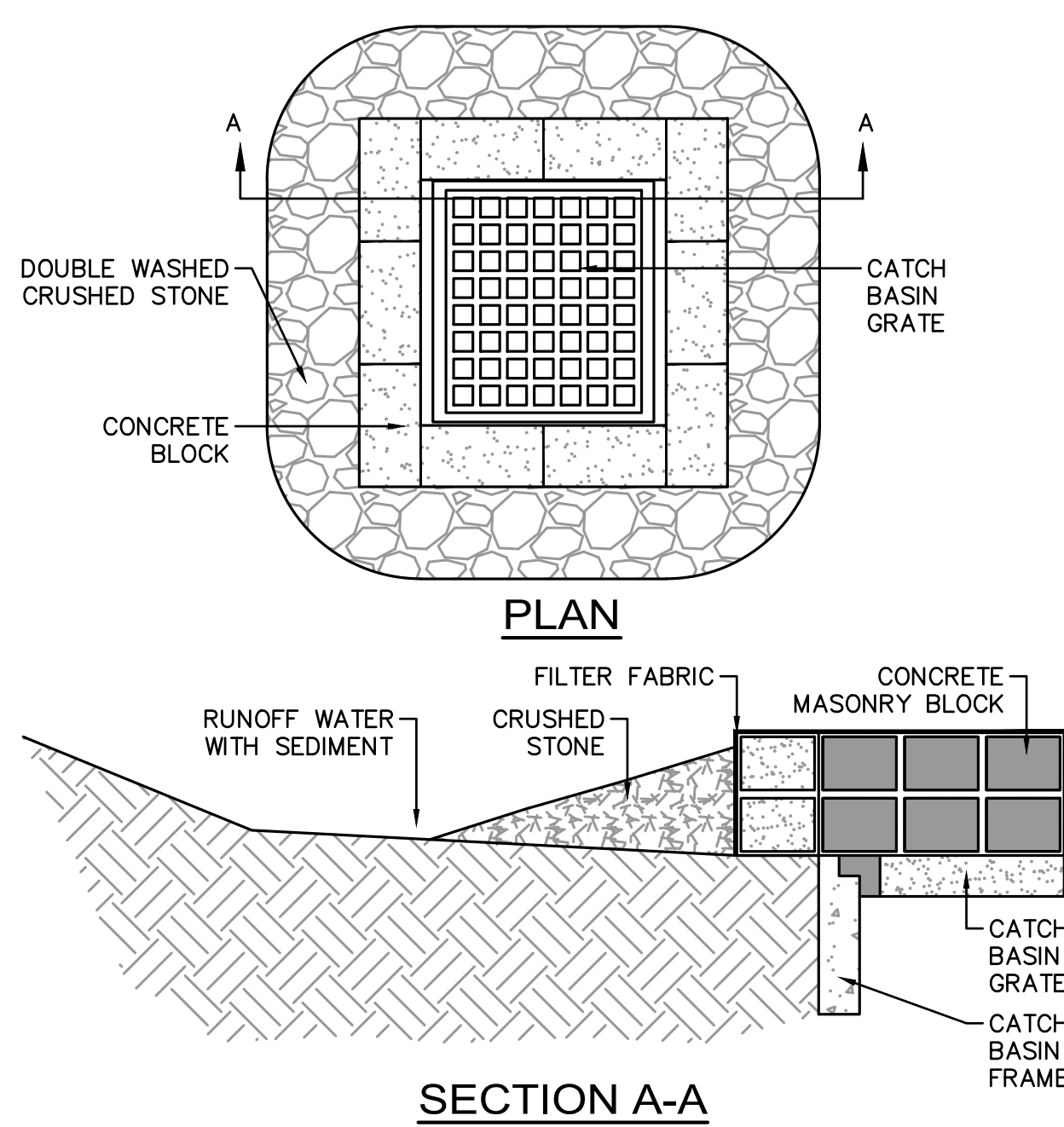
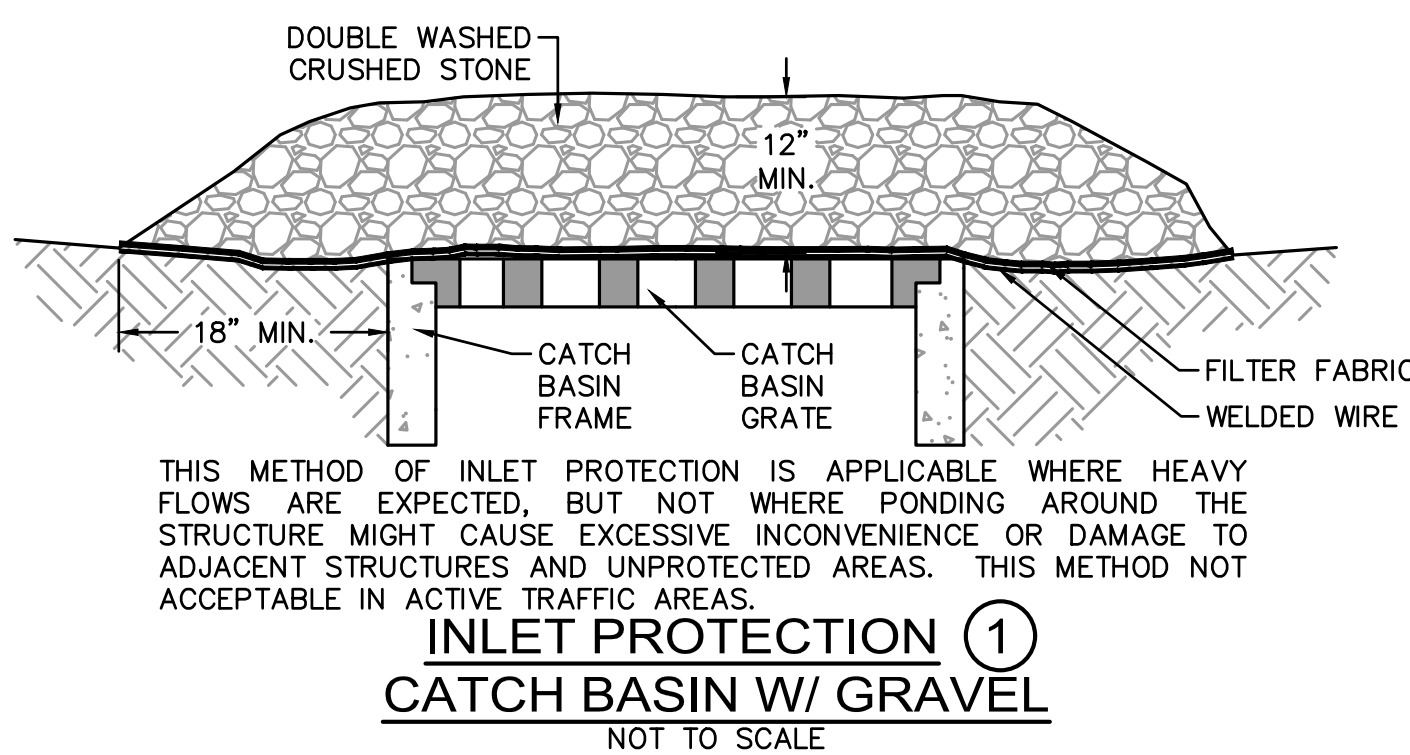
AUGUST 28, 2023

PROJECT NORTH
MAGNETIC NORTH

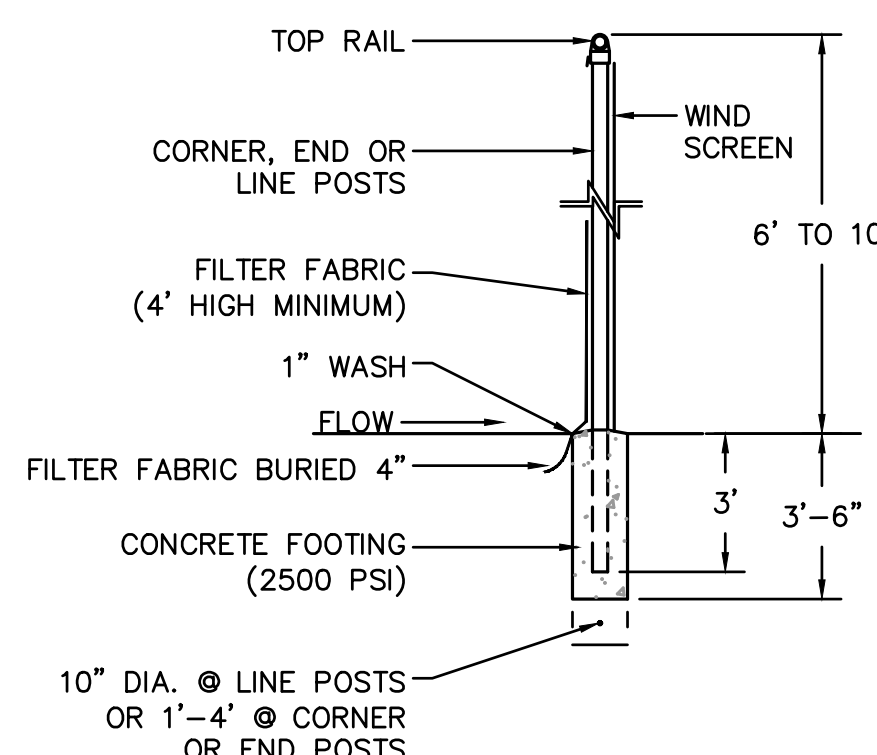
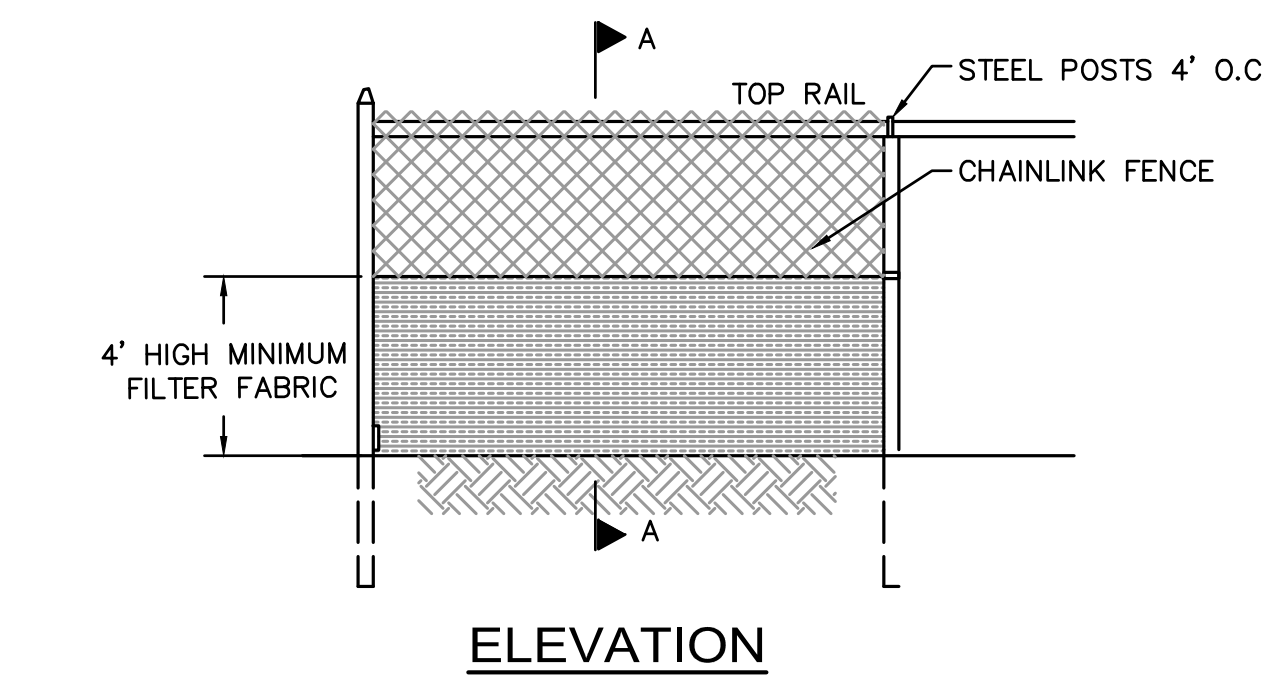
DRIVEWAY
CROSS-SECTIONS

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-605

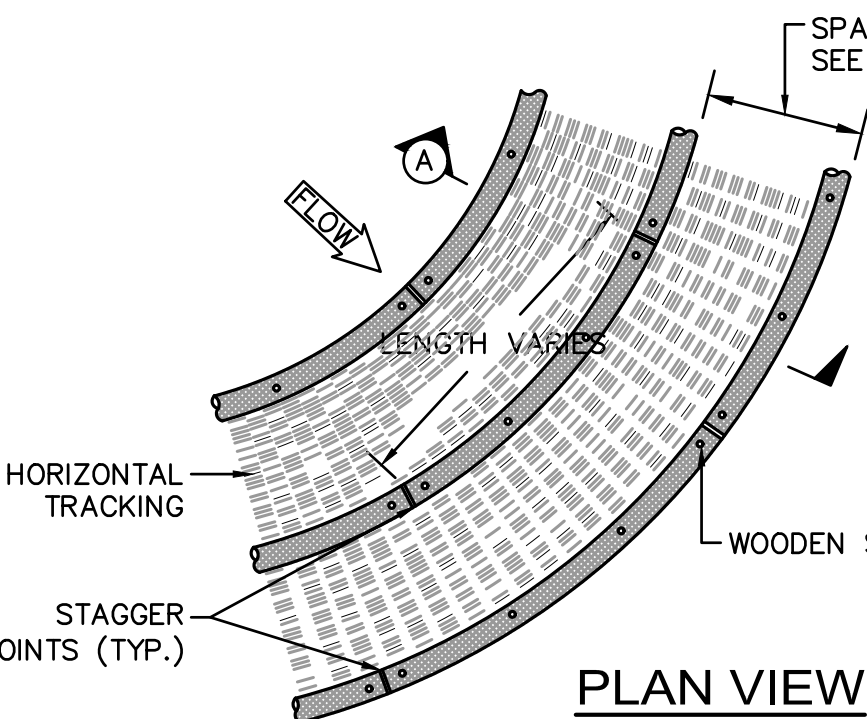


- NOTES**
1. END, GATE AND CORNER POSTS SHALL BE BRACED TO ADJACENT LINE POSTS. (MORE THAN 30° CHANGE IN DIRECTION CONSTITUTES A CORNER)
 2. FABRIC SHALL BE 0.148" GAUGE MIN. WIRE, WOVEN INTO APPROXIMATELY 2" DIAMOND MESH.
 3. ZINC-COATED STEEL FABRIC BASE METAL SHALL BE COATED WITH PRIME WESTERN SHELTER OR EQUAL.
 4. ALUMINUM COATED STEEL FABRIC BASE METAL SHALL BE COATED WITH ALUMINUM ALLOY.
 5. LINE POSTS SHALL BE 2 1/2" O.D. END OR CORNER POSTS SHALL BE 3" O.D.
 6. THE CONTRACTOR IS RESPONSIBLE FOR SURFACE RESTORATION ONCE THE FENCE IS REMOVED.
 7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY CONSTRUCTION FENCE AT THE CONCLUSION OF THE PROJECT.



- SECTION**
1. CHAINLINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
 2. FILTER FABRIC SHALL BE FASTENED SECURELY TO CHAINLINK FENCE WITH TIES SPACED HORIZONTALLY 24" AS THE TOP AND MIDSECTION.
 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6"
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN SEDIMENT BUILD-UP REACHES 50% OF THE HEIGHT OF THE FILTER FABRIC.
 5. MAINTENANCE OF SILT FENCE SHALL BE RECORDED TO IN THE SWPPP

**EROSION CONTROL BARRIER
SUPER SILT FENCE**
NOT TO SCALE



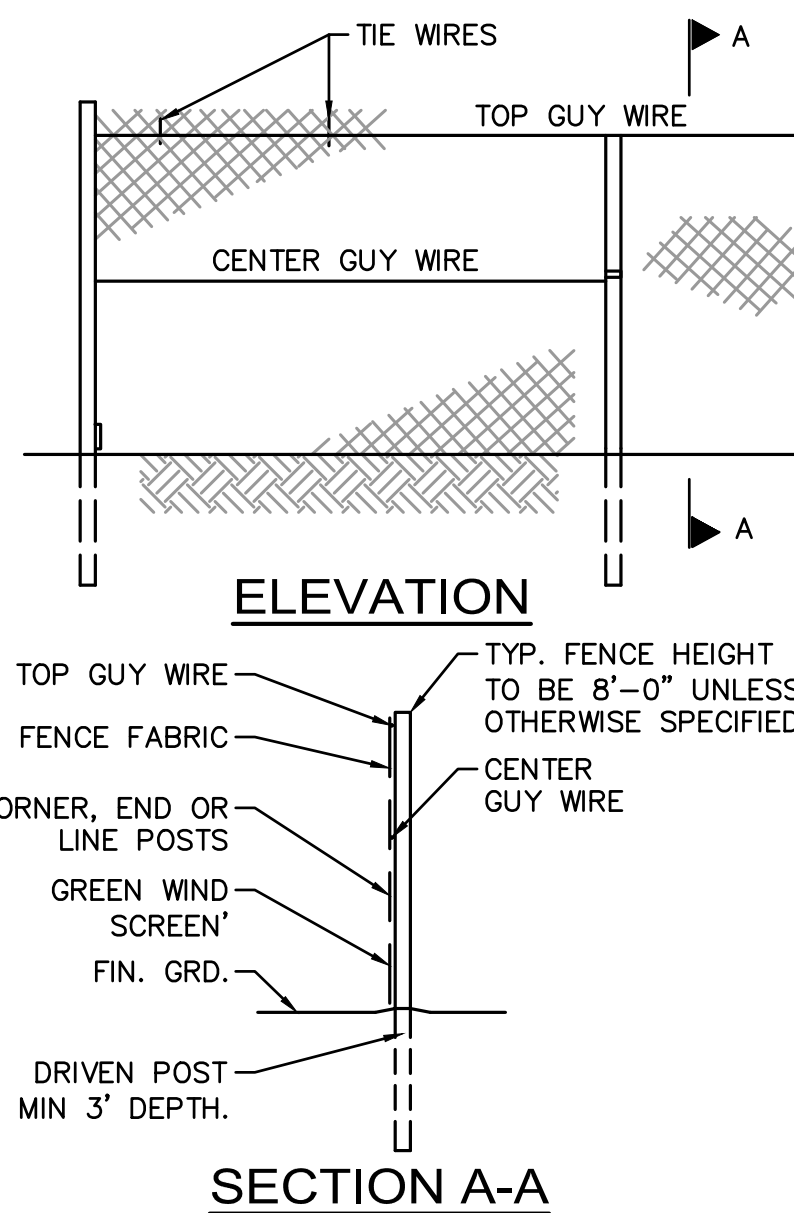
WATTLE SPACING TABLE	
SLOPE	MAX. SPACING
1:1	10'-0"
2:1	20'-0"
3:1	30'-0"
4:1	40'-0"

WATTLE SLOPE PROTECTION NOTES:

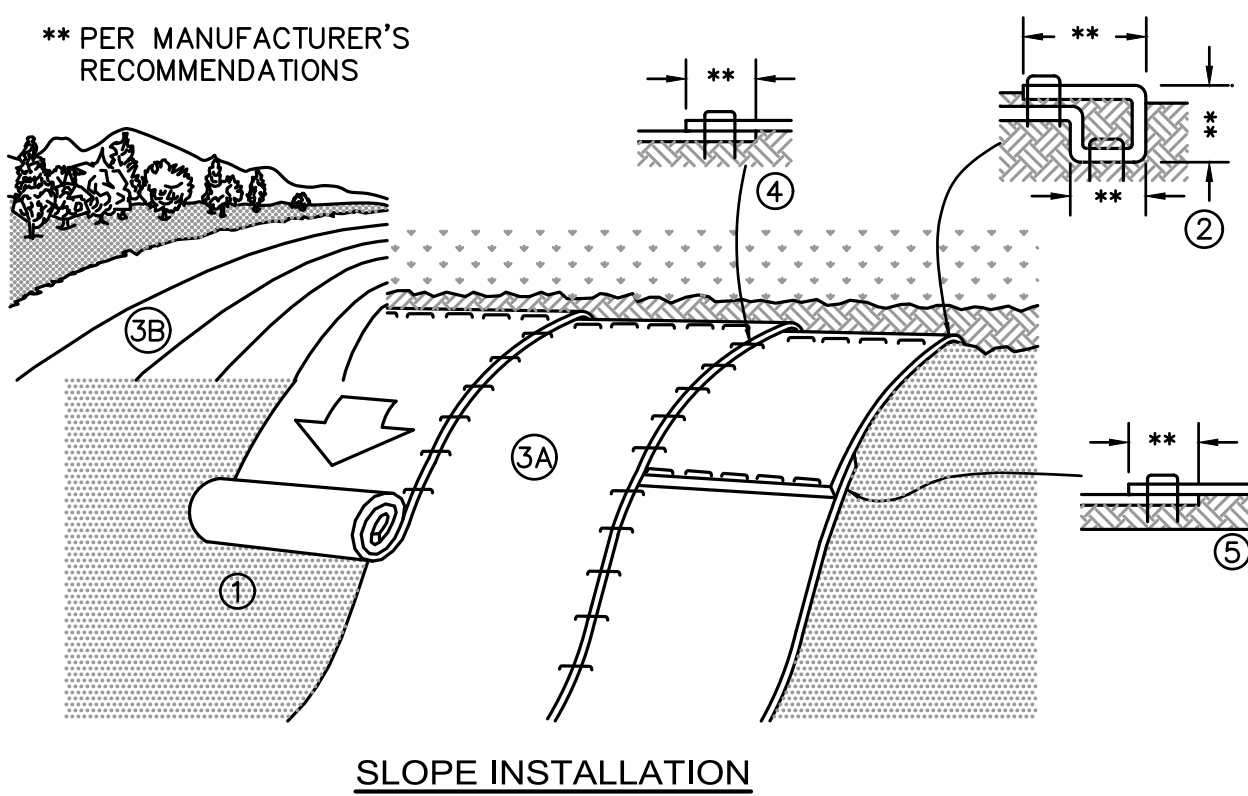
1. SECURELY KNOT EACH END OF WATTLE, ABUT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
2. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLES AND INTO THE SOIL WHEN SOIL CONDITIONS REQUIRE
3. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
4. ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

- TYPES OF WATTLES**
- COIR (COCONUT FIBER)
 - COMPOST
 - STRAW

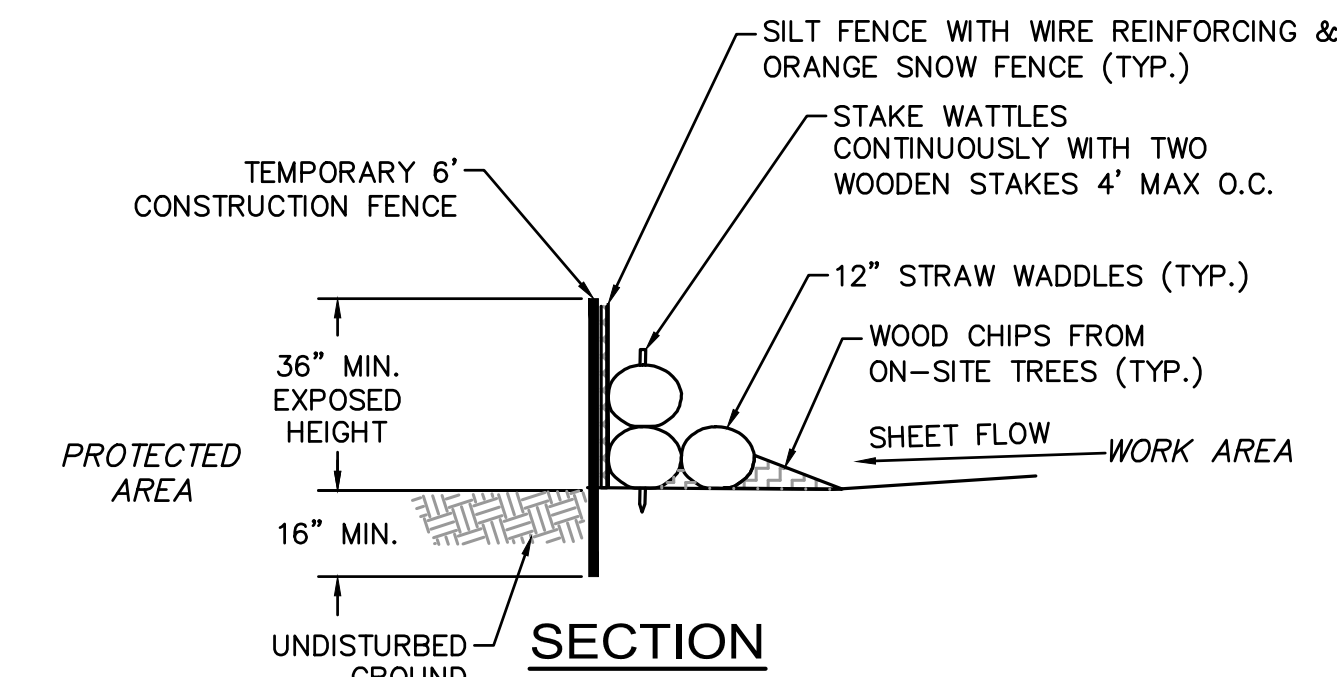
**EROSION CONTROL BARRIER
WATTLES - STEEP SLOPE PROTECTION**
NOT TO SCALE



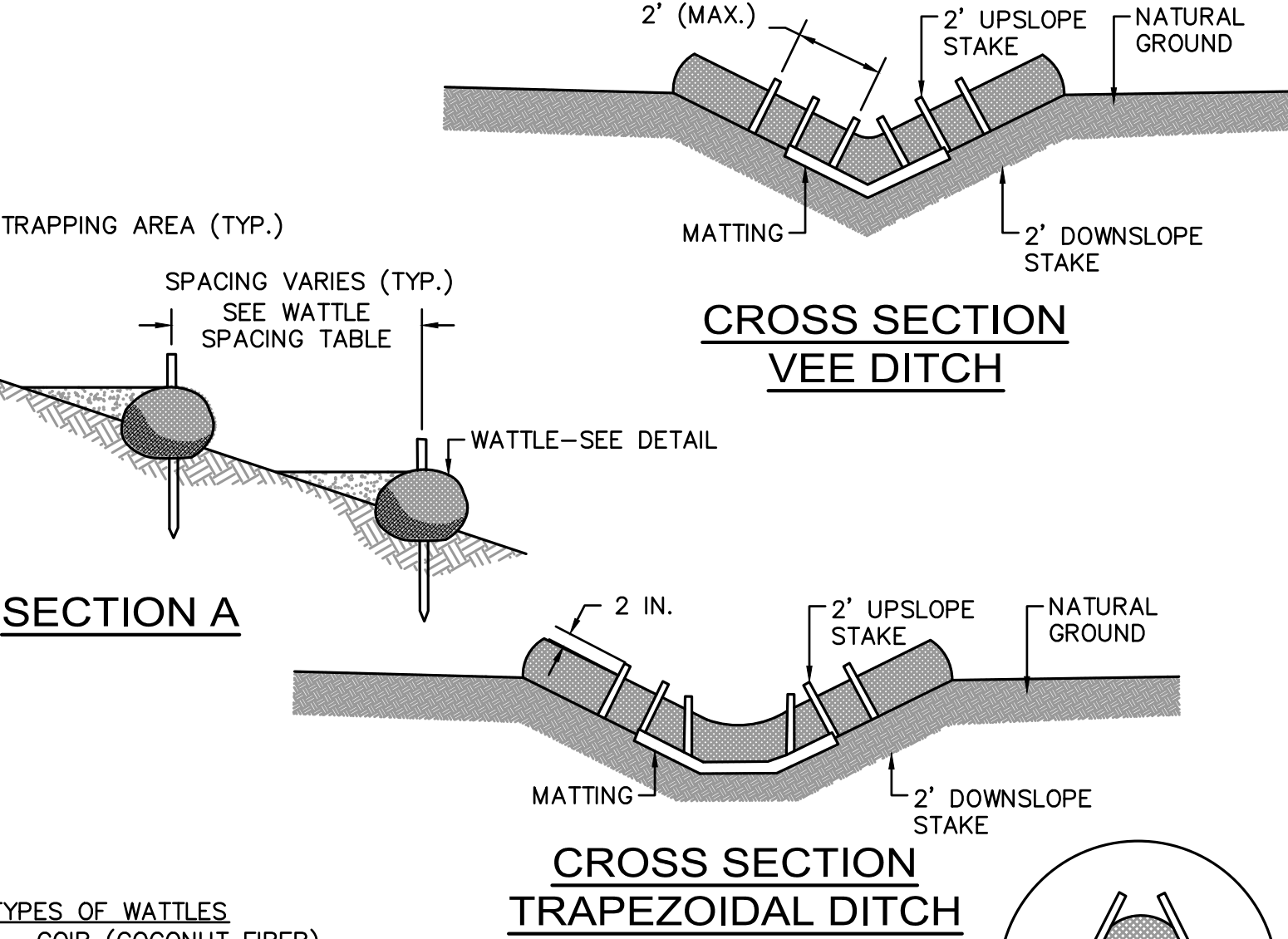
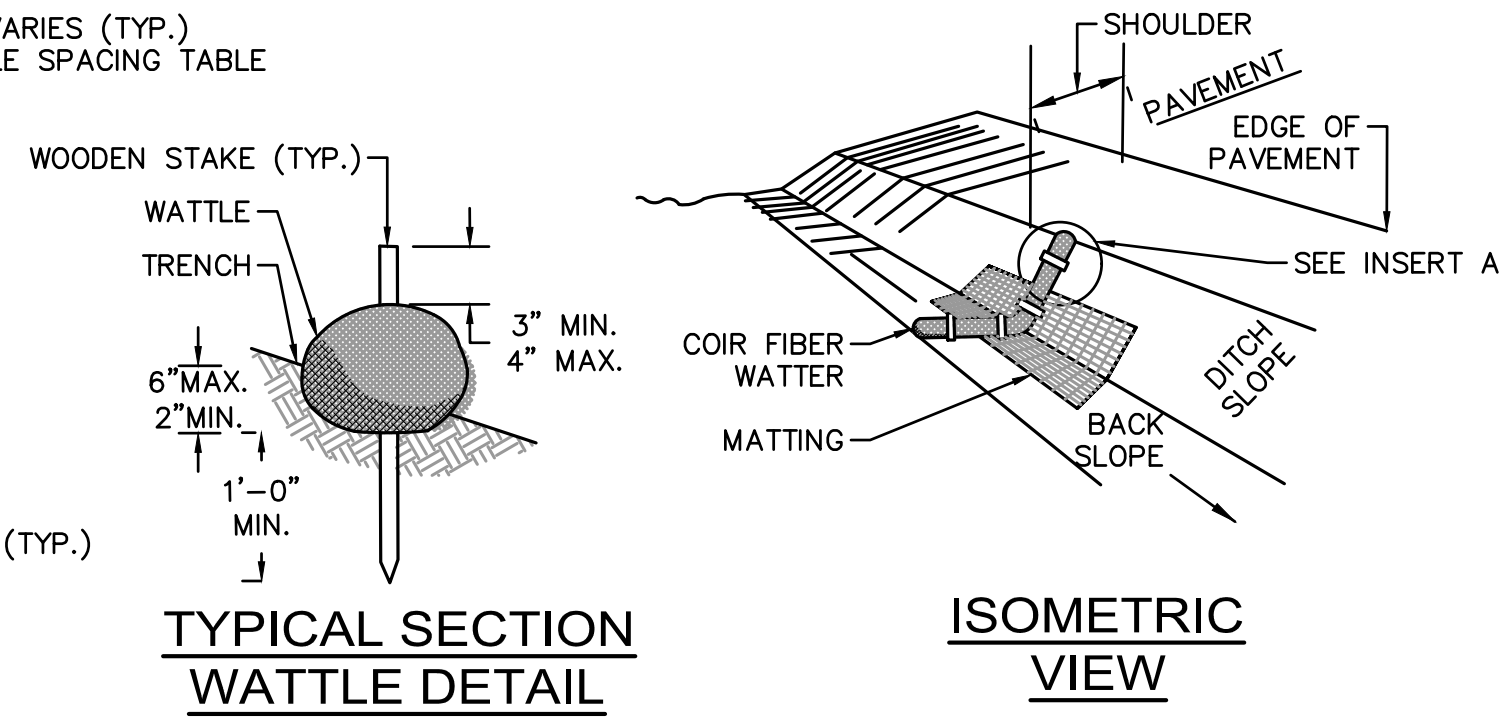
CHAIN LINK CONSTRUCTION FENCE
NOT TO SCALE



**STANDARD PERIMETER PROTECTION BARRIER
SILT FENCE DETAIL WITH WATTLES**
NOT TO SCALE

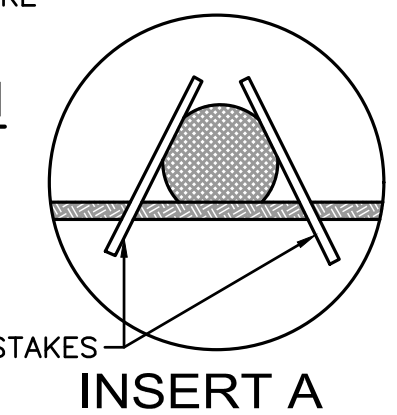


**SENSITIVE AREA PERIMETER
PROTECTION BARRIER
SILT FENCE DETAIL WITH WATTLES**
NOT TO SCALE

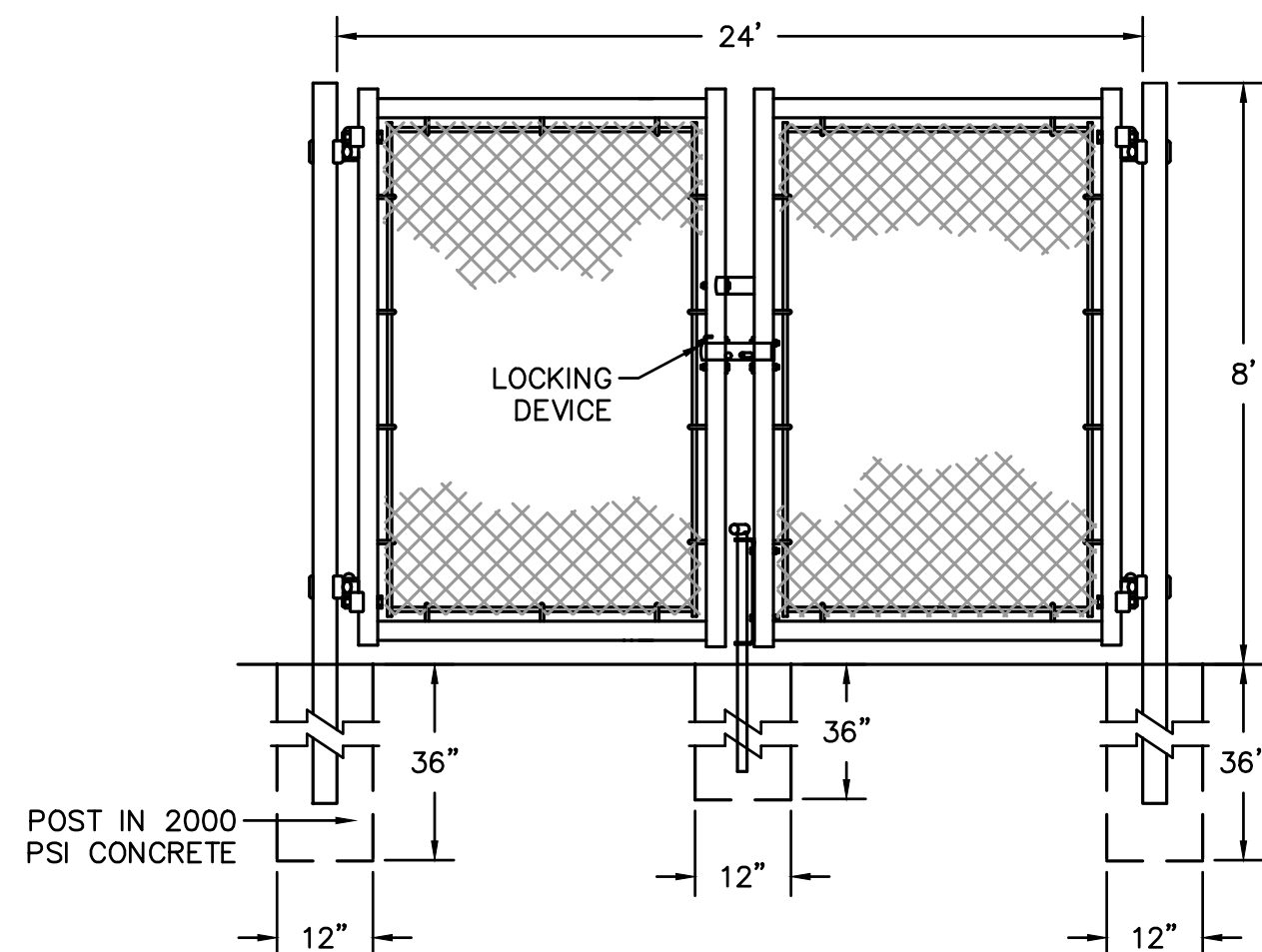


SECTION A

**CROSS SECTION
TRAPEZOIDAL DITCH**



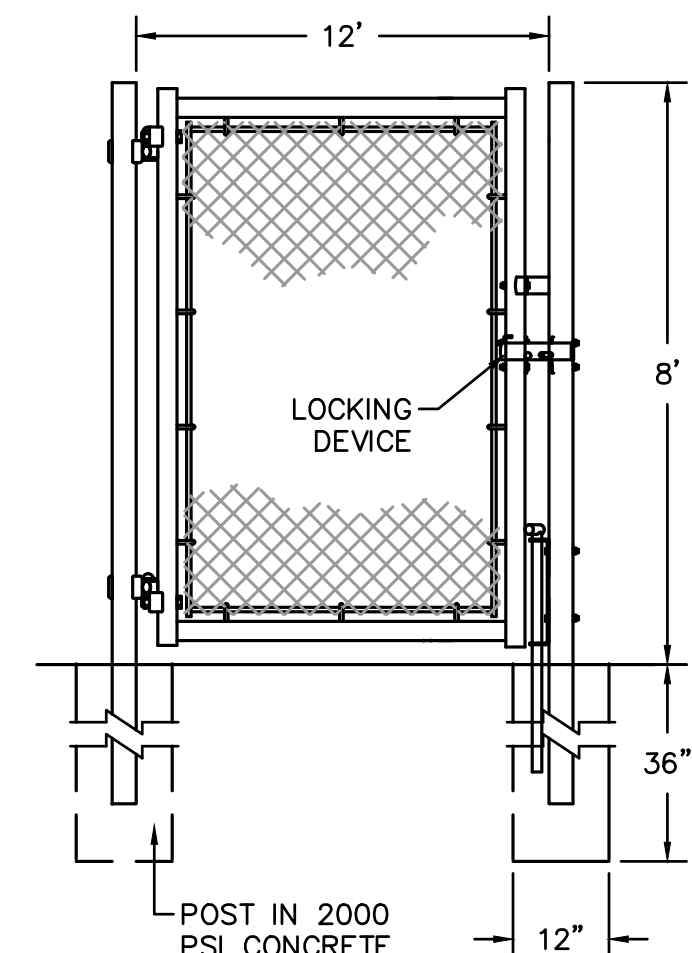
GATE PLAN



DOUBLE GATE ELEVATION

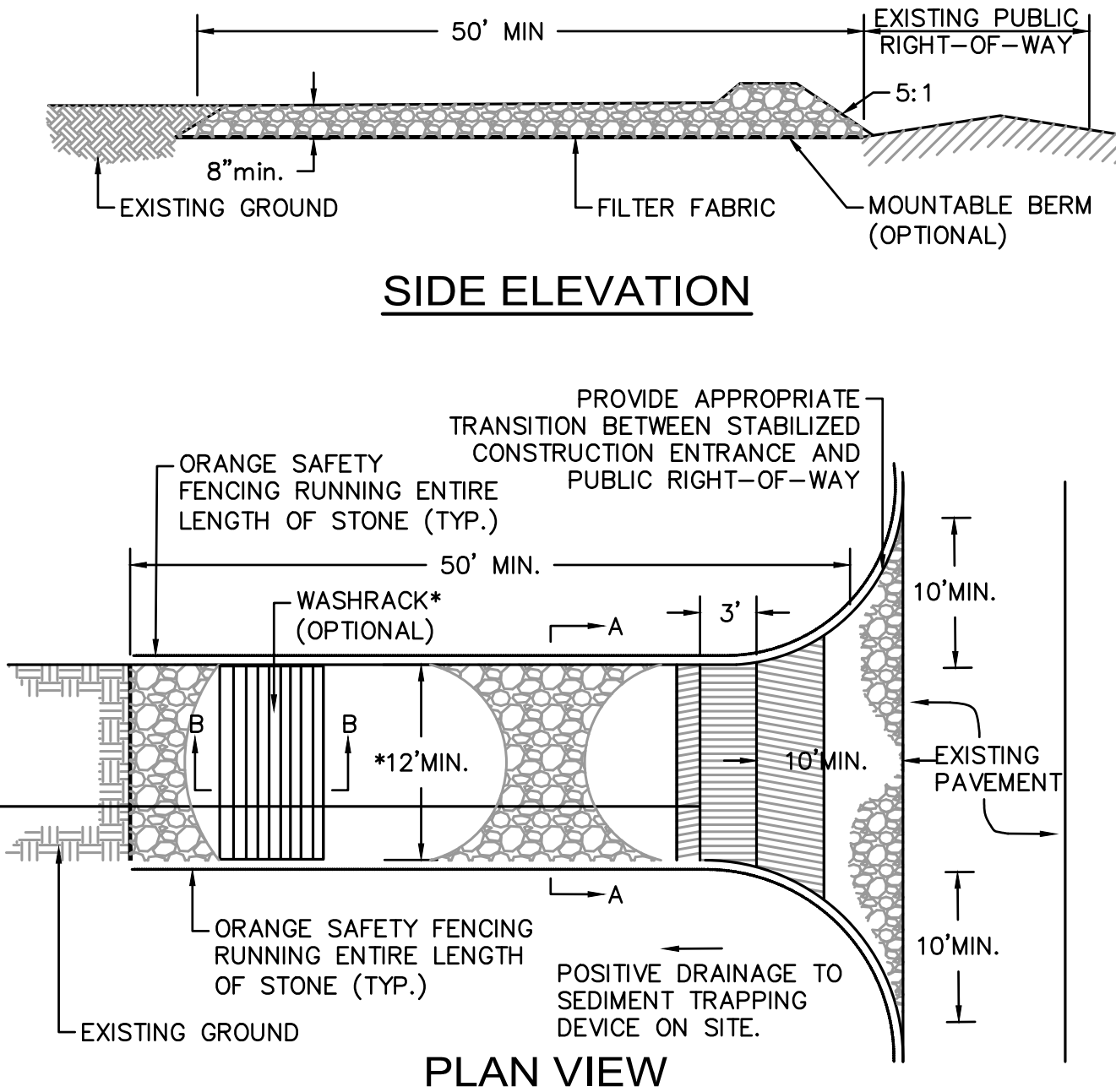
24' WIDE DOUBLE GATE
NOT TO SCALE

GATE PLAN

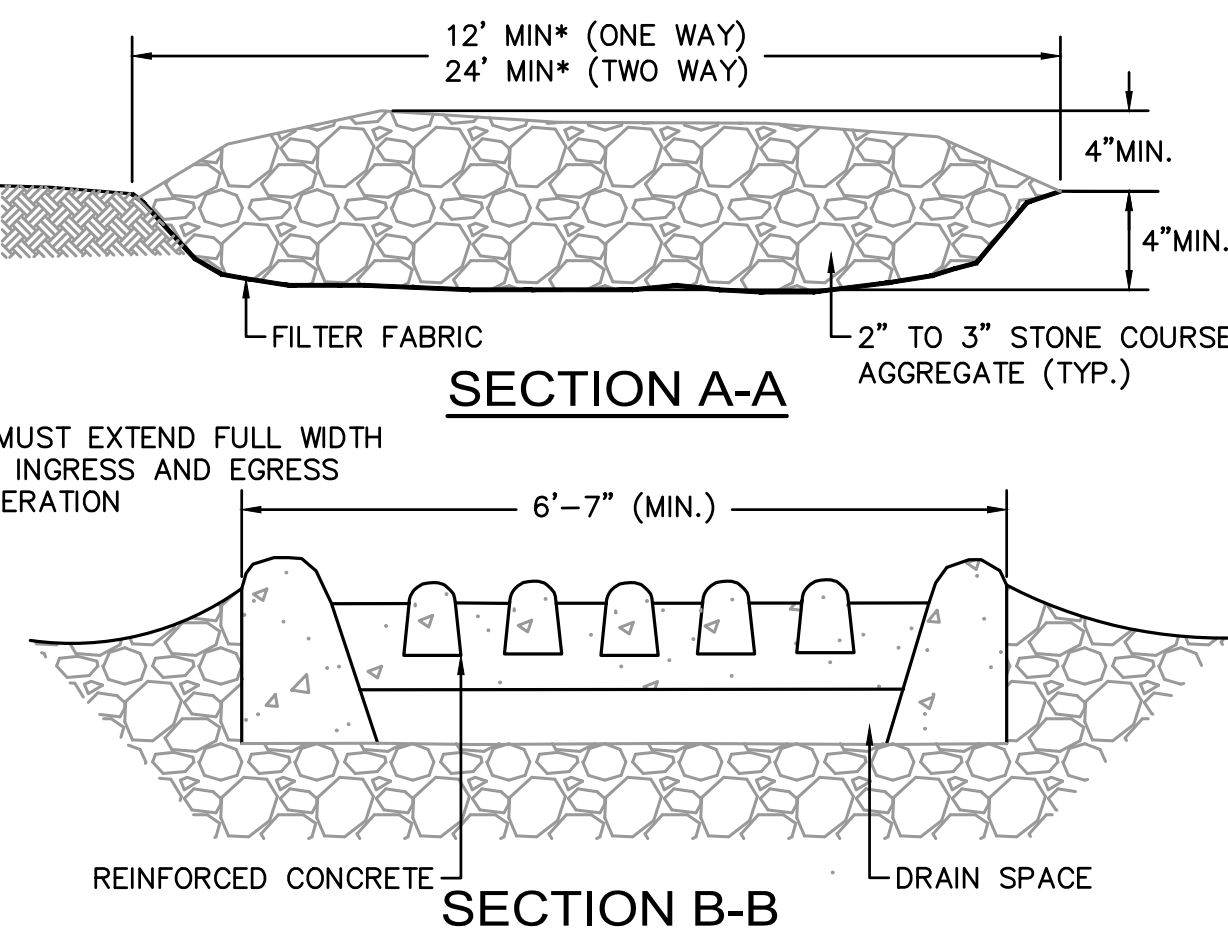


SINGLE GATE ELEVATION

12' WIDE EMERGENCY GATE
NOT TO SCALE



SIDE ELEVATION



SECTION A-A

CONSTRUCTION SPECIFICATIONS

LENGTH - GREATER THAN OR EQUAL TO 50 FEET

WIDTH - TWELVE FOOT MINIMUM (ONE WAY), TWENTY FOUR FOOT MINIMUM (TWO WAY), BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE PERMITTED.

THICKNESS - 8"

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

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NITSCH PROJECT No. 13872

BID SET

AUGUST 28, 2023

PROJECT NORTH

MAGNETIC NORTH

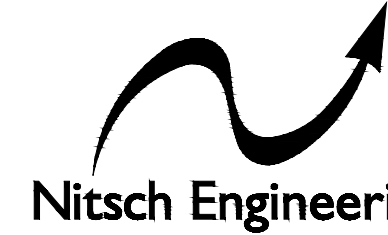
CIVIL SITE
DETAILS I

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

C-700

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NITSCH PROJECT No. 13872

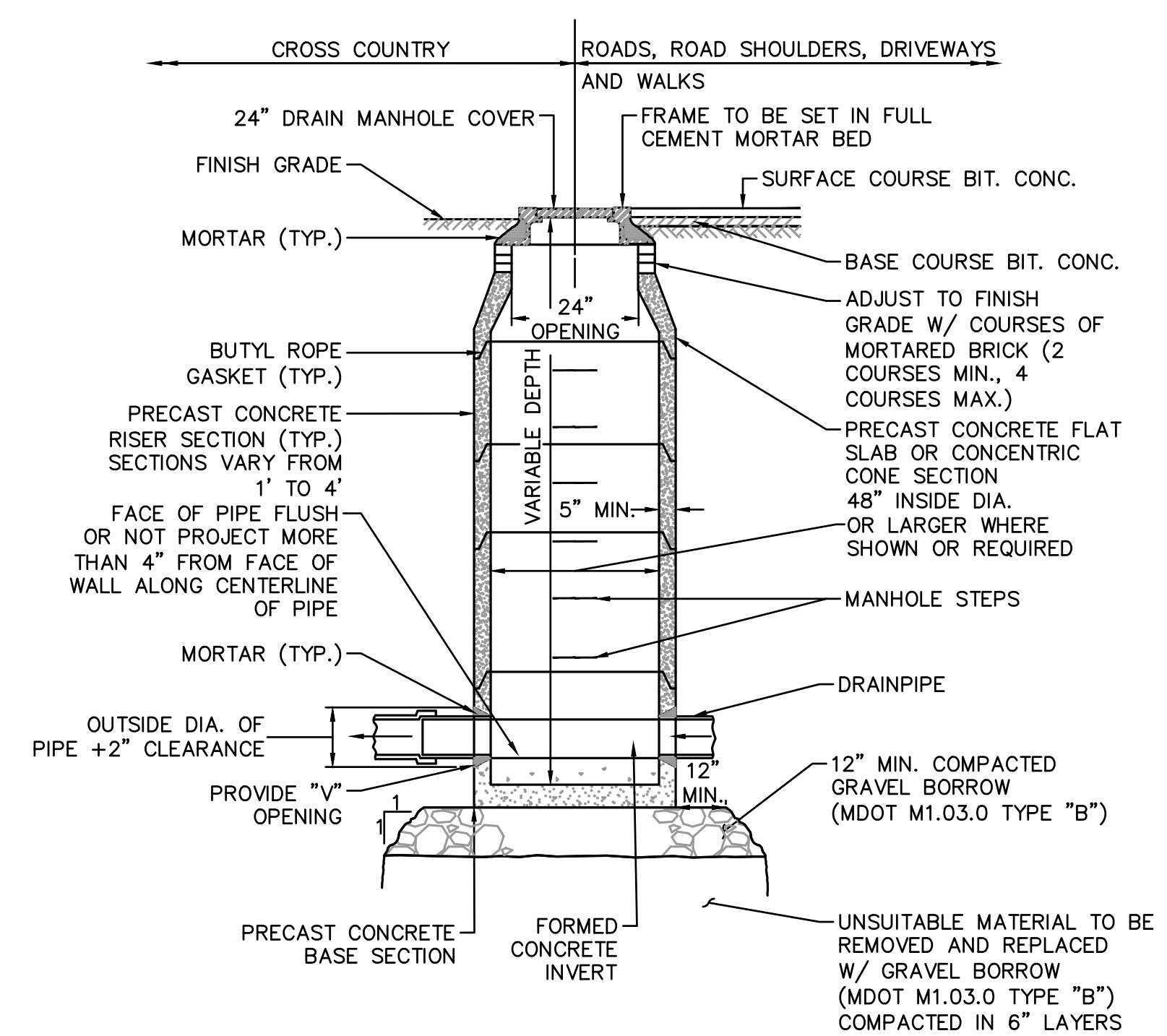
BID SET

AUGUST 28, 2023

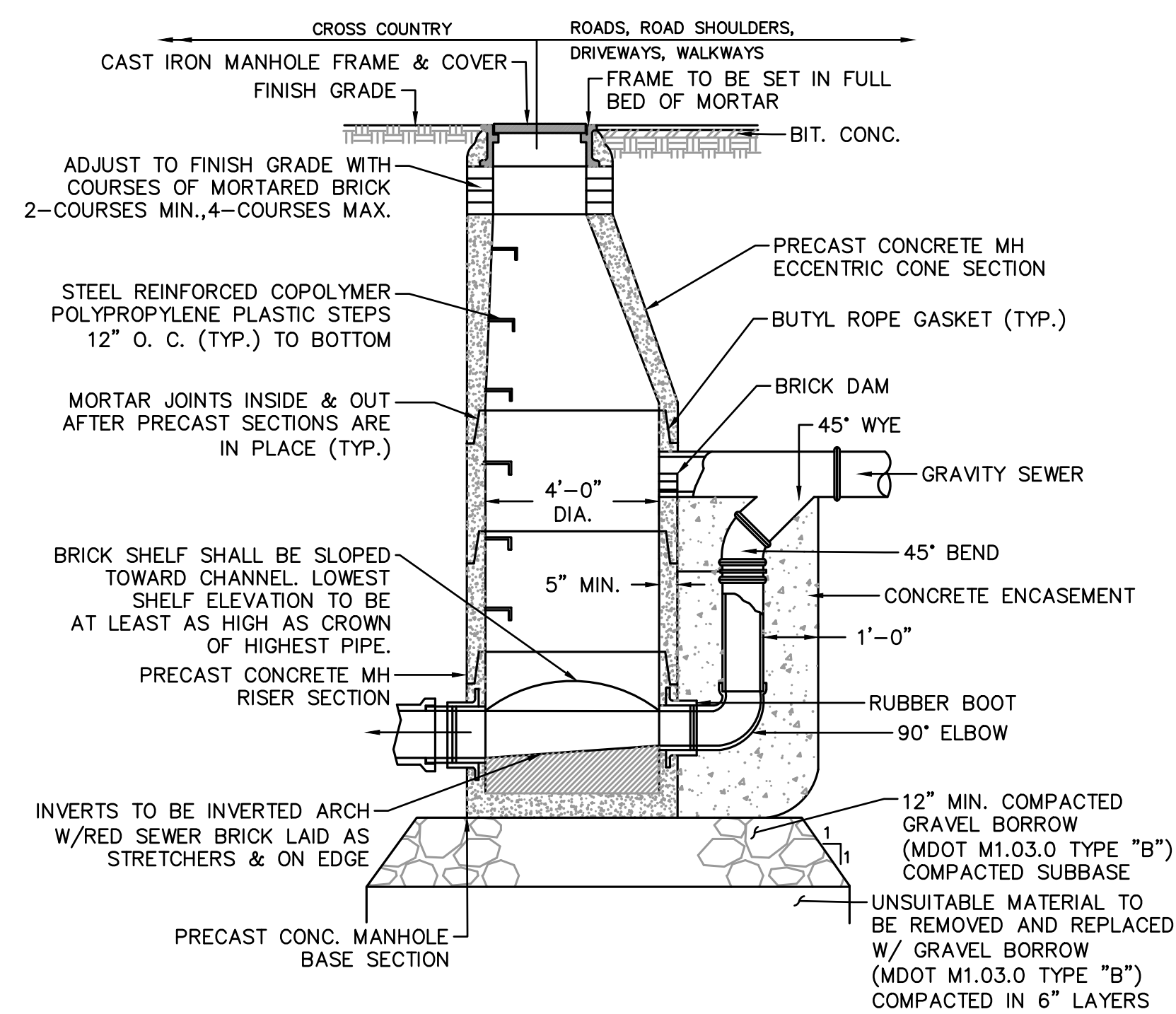
CIVIL SITE DETAILS II

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

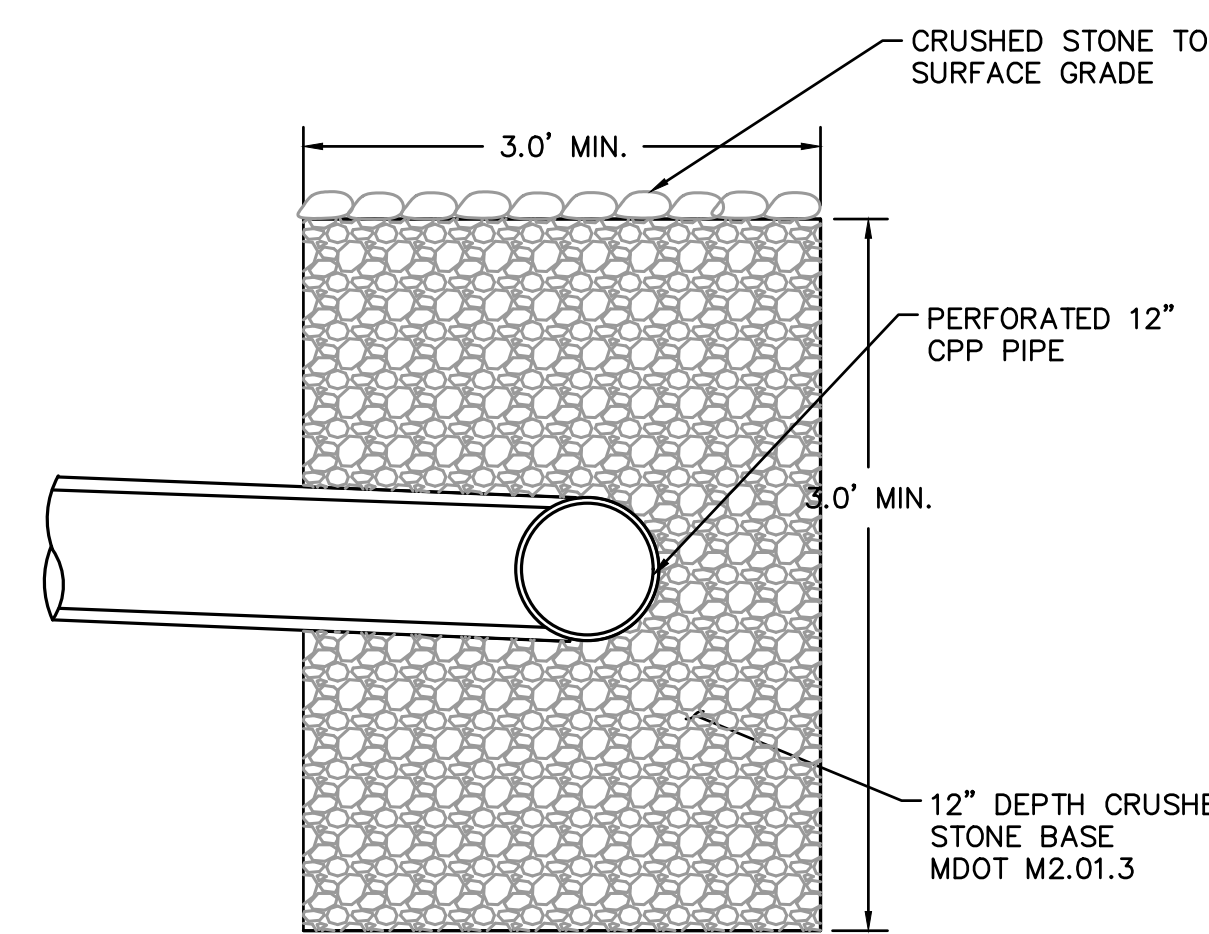
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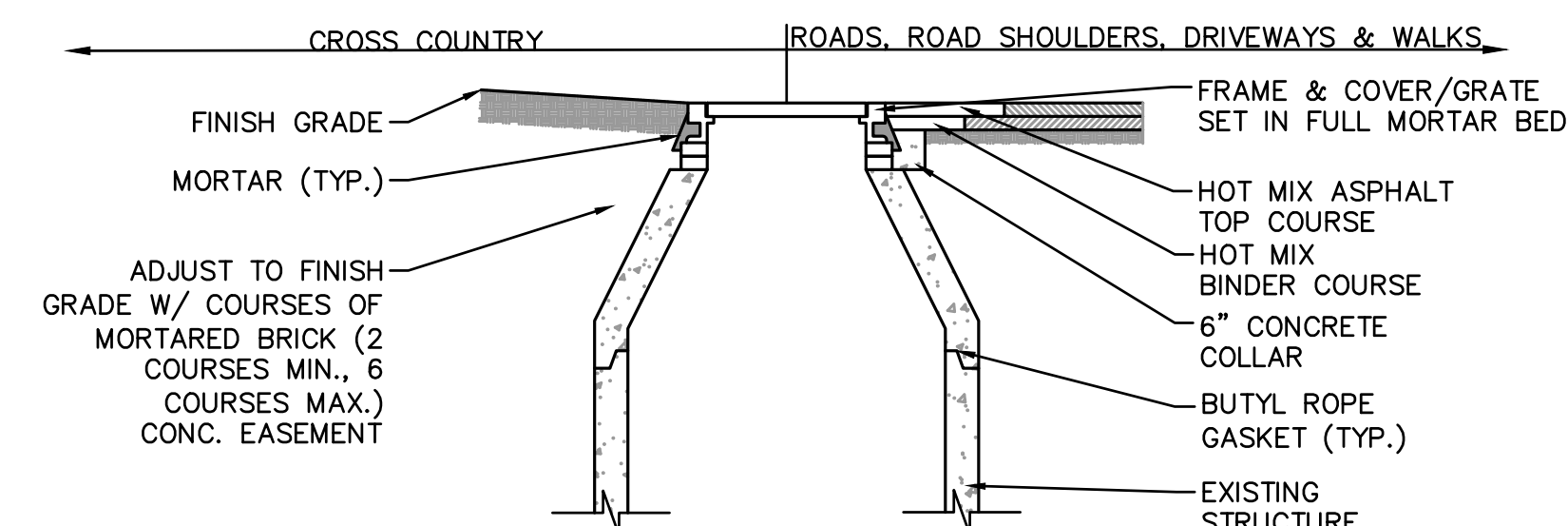
TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE



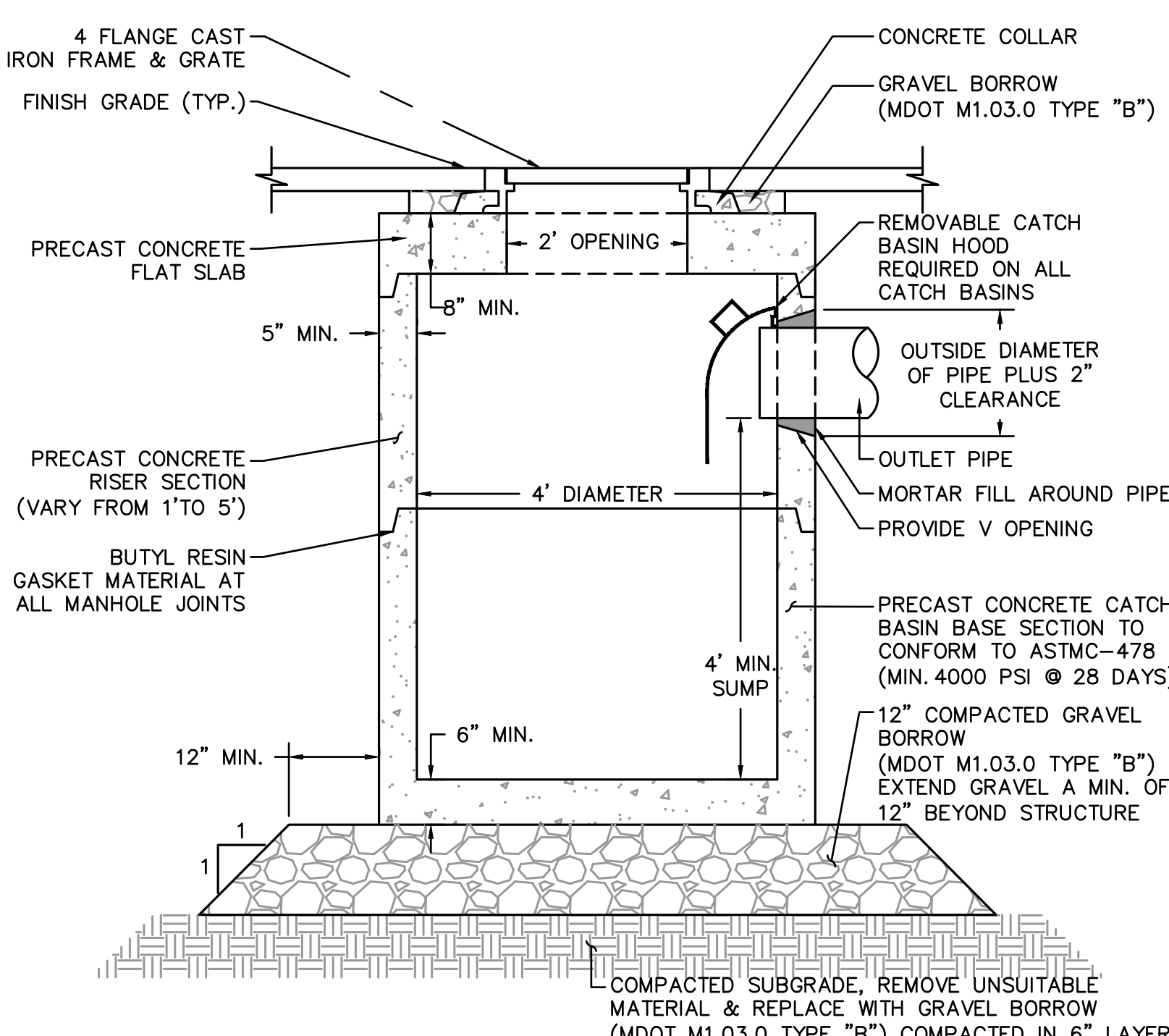
DROP MANHOLE DETAIL
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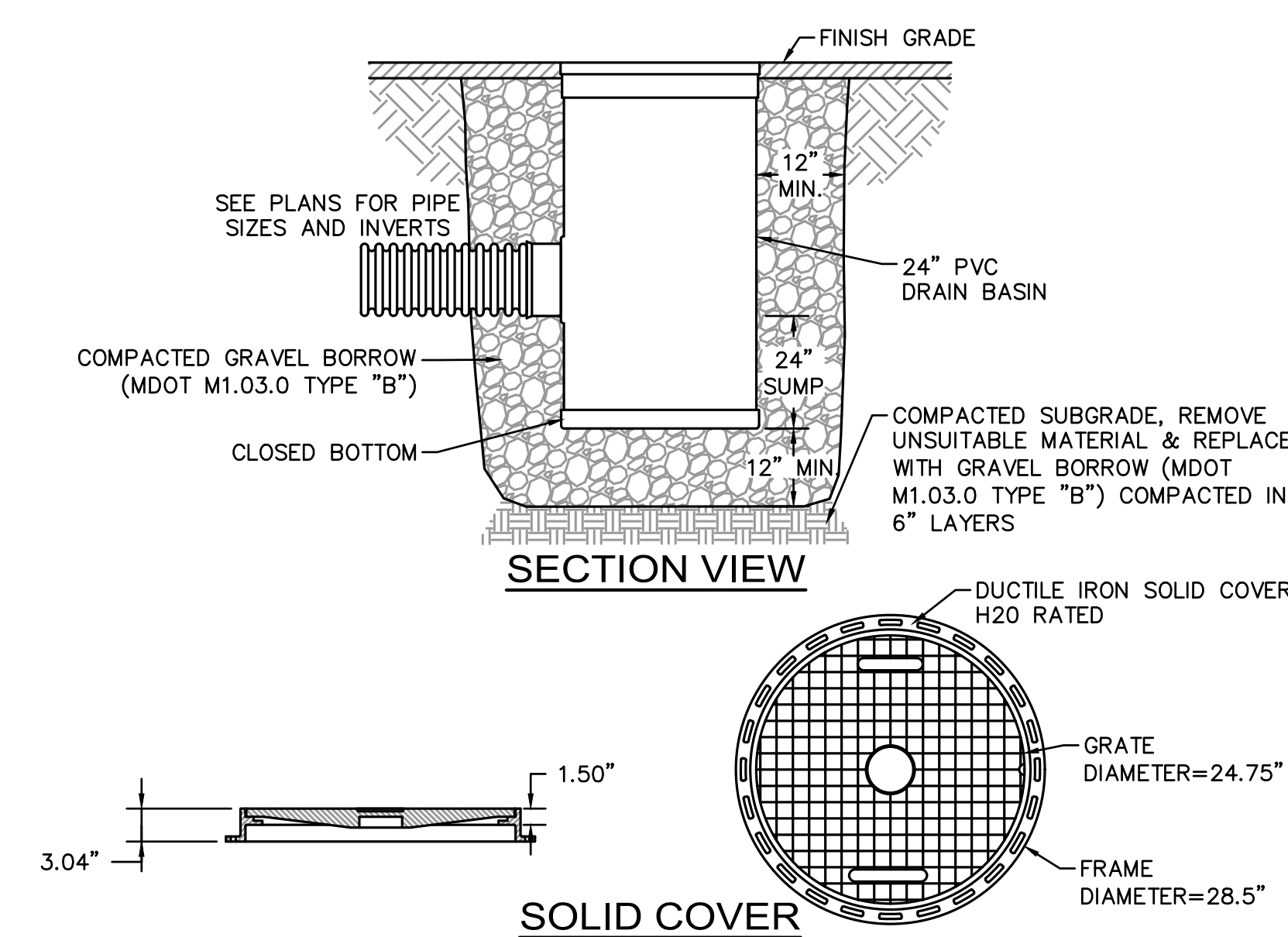
SECTION A-A
LEVEL SPREADER DETAIL
NOT TO SCALE



RIM SETTING DETAIL
NOT TO SCALE

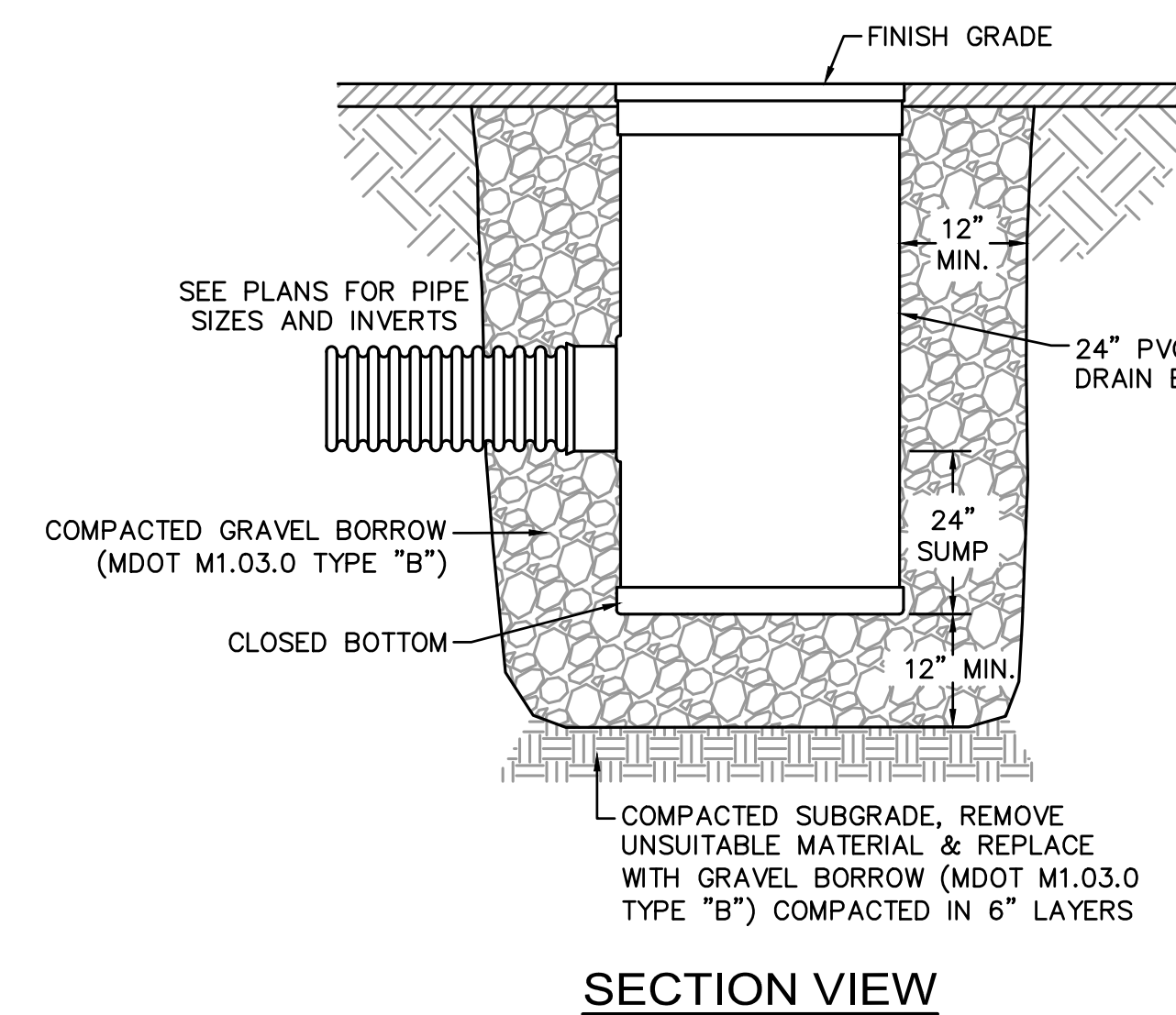


SHALLOW CATCH BASIN DETAIL
NOT TO SCALE



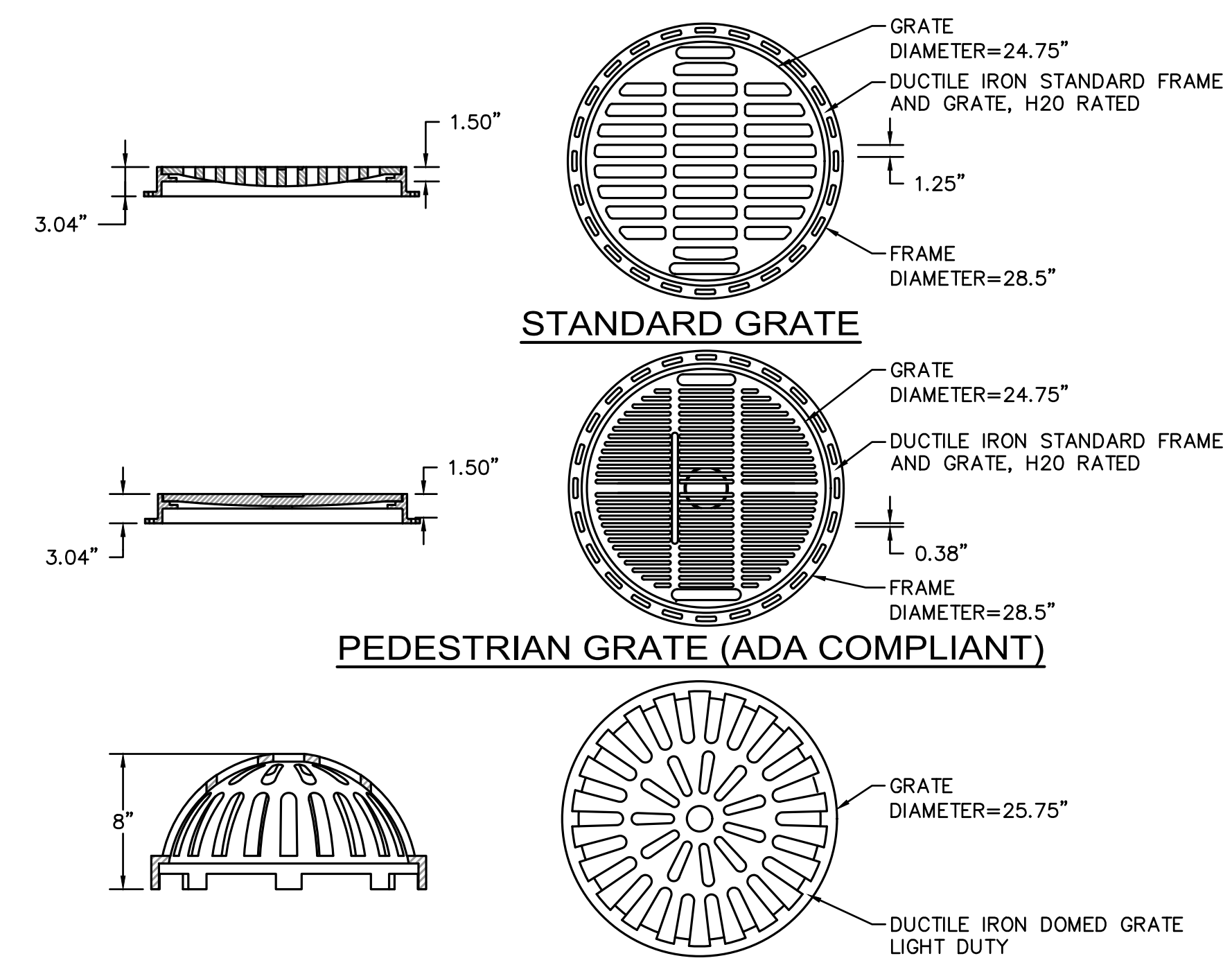
24" ACCESS BASIN DETAIL
NOT TO SCALE

- NOTES:**
1. FRAME AND COVER SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 24" ACCESS BASINS SHALL BE NYLOPLAST MODEL 2824 AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
 3. ACCESS BASINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO ACCESS BASINS.

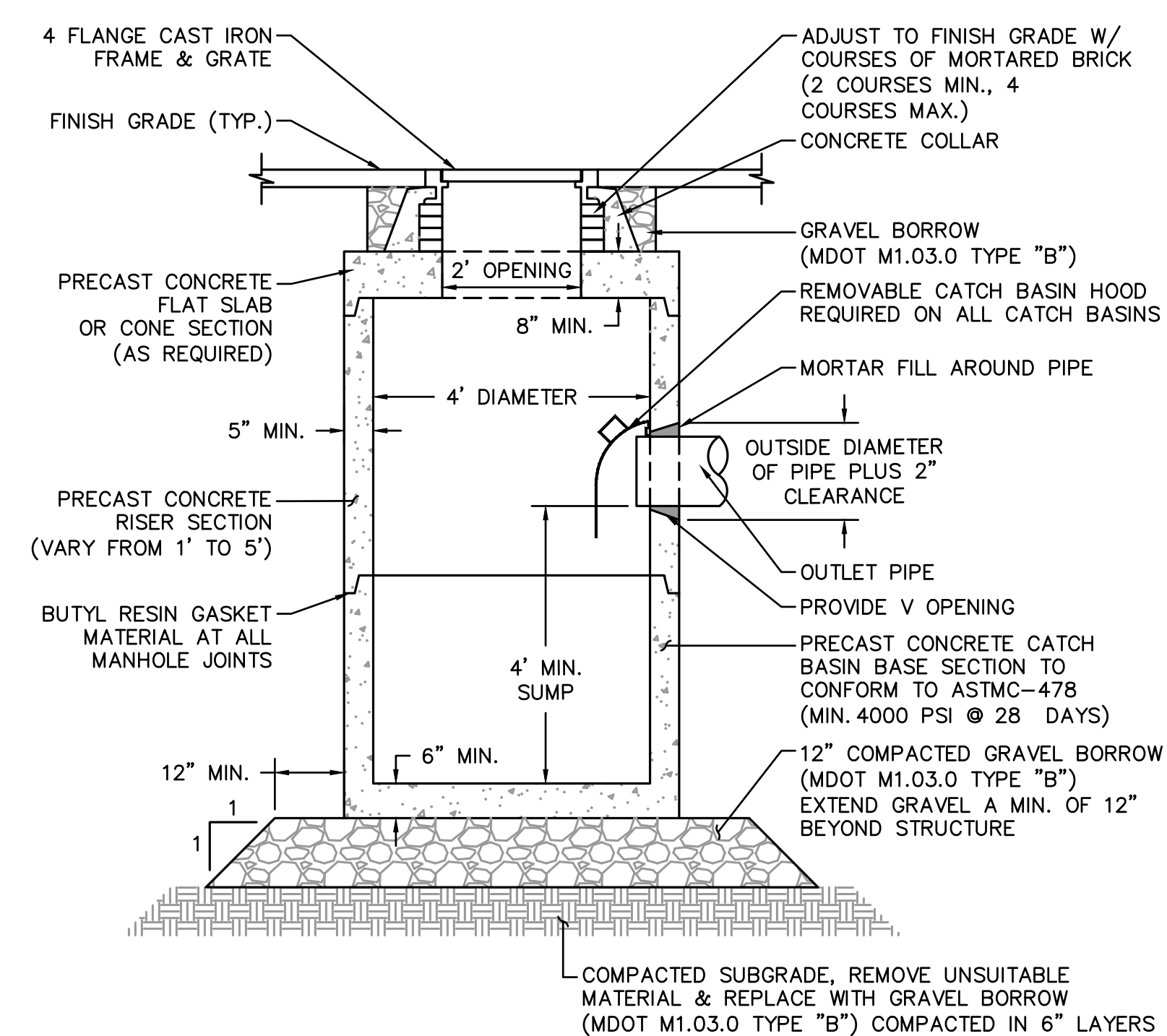


SECTION VIEW

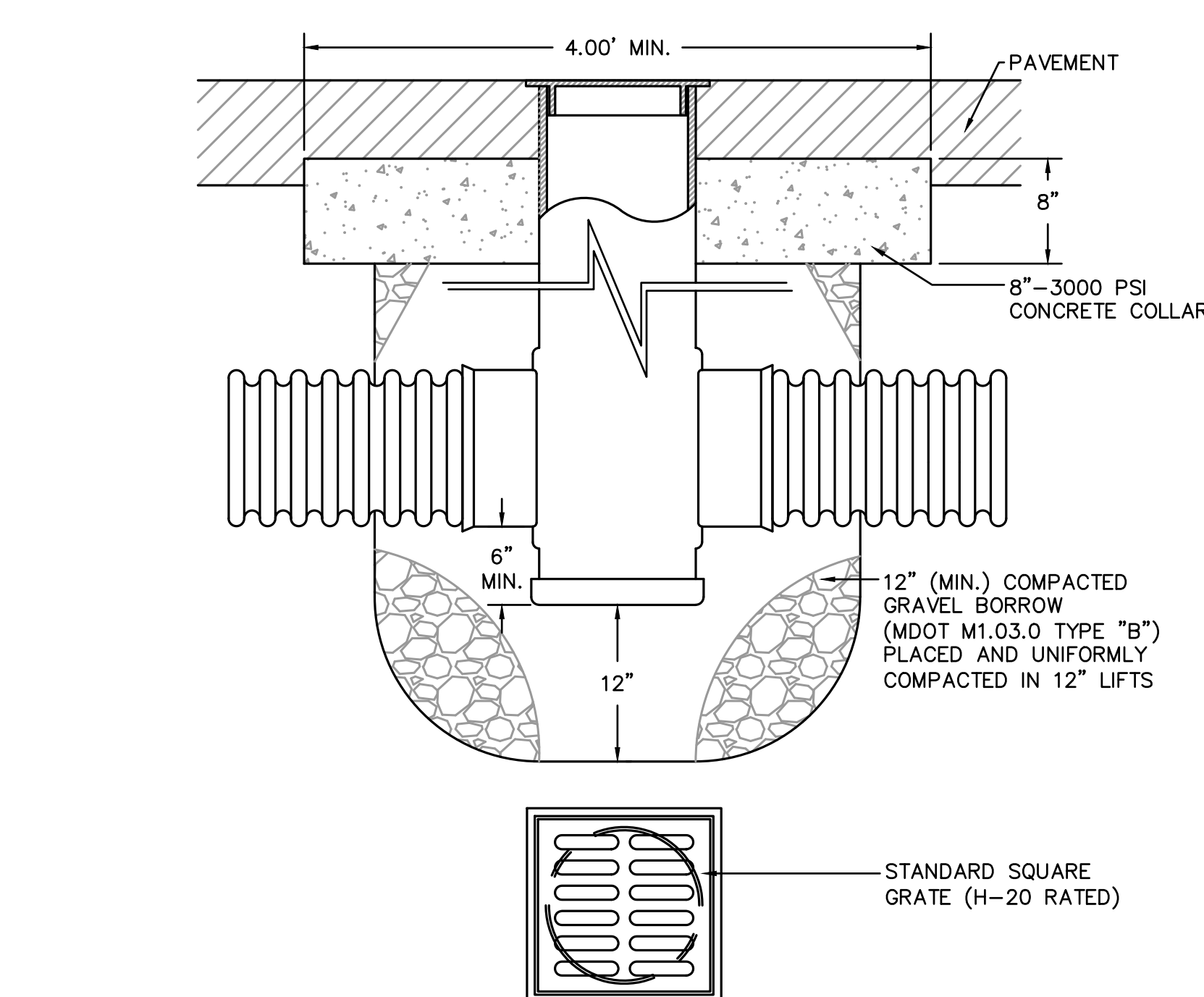
- NOTES:**
1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 24" AREA DRAINS SHALL BE NYLOPLAST MODEL 2824 AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
 3. AREA DRAINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO AREA DRAINS.



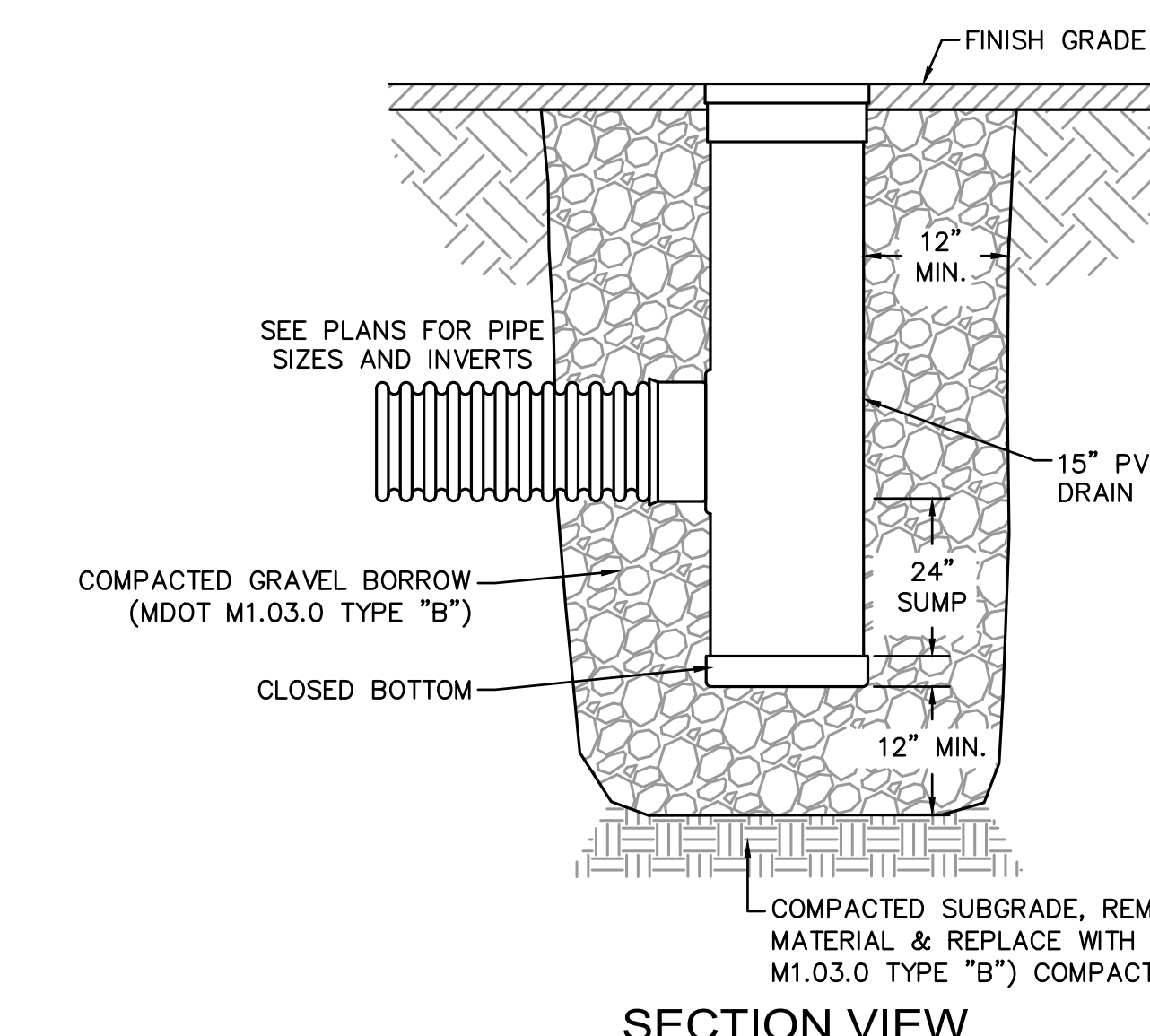
24" AREA DRAIN DETAIL
NOT TO SCALE



TYPICAL CATCH BASIN DETAIL
NOT TO SCALE

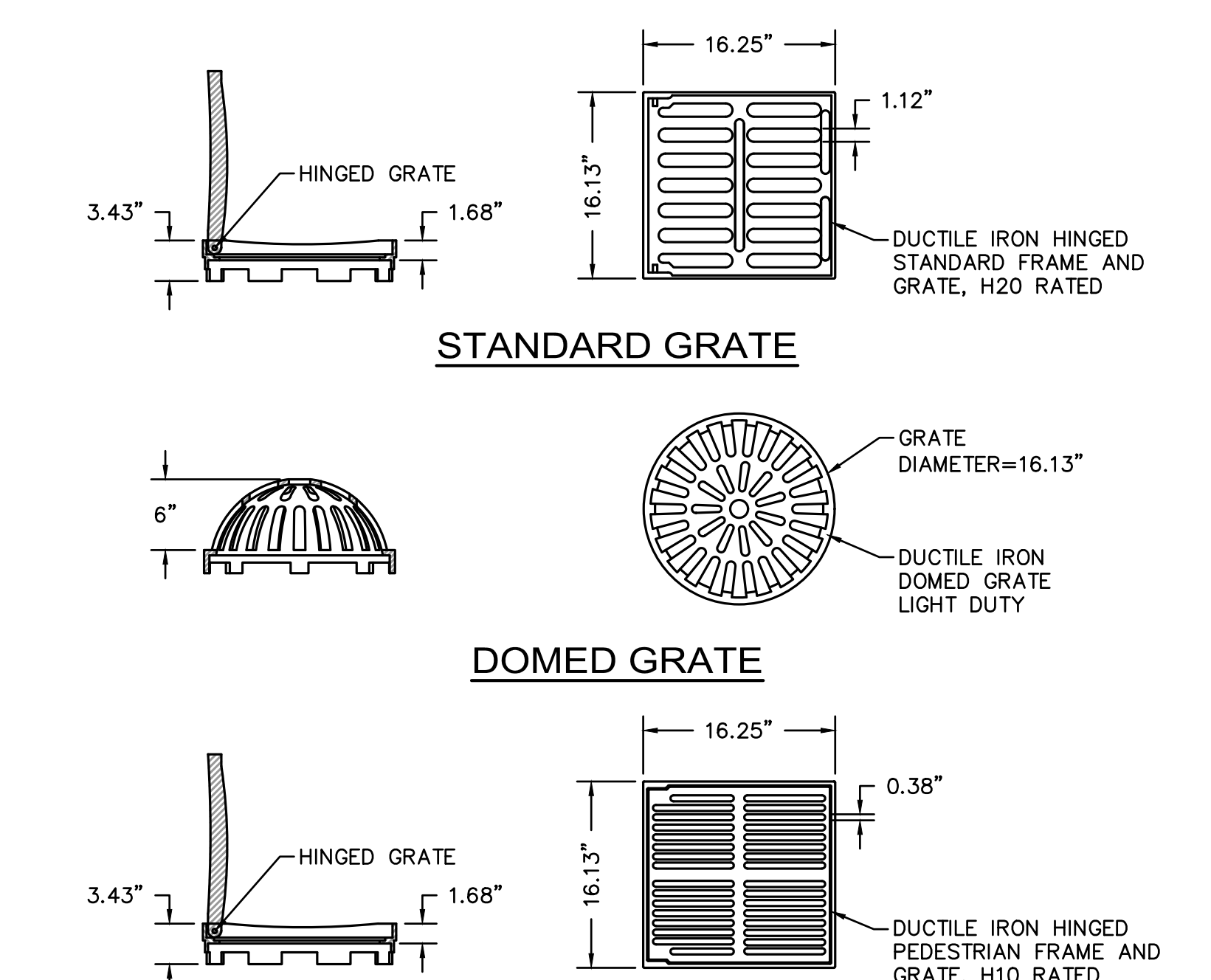


AREA DRAIN IN PAVEMENT
SUBJECT TO VEHICULAR LOAD
NOT TO SCALE

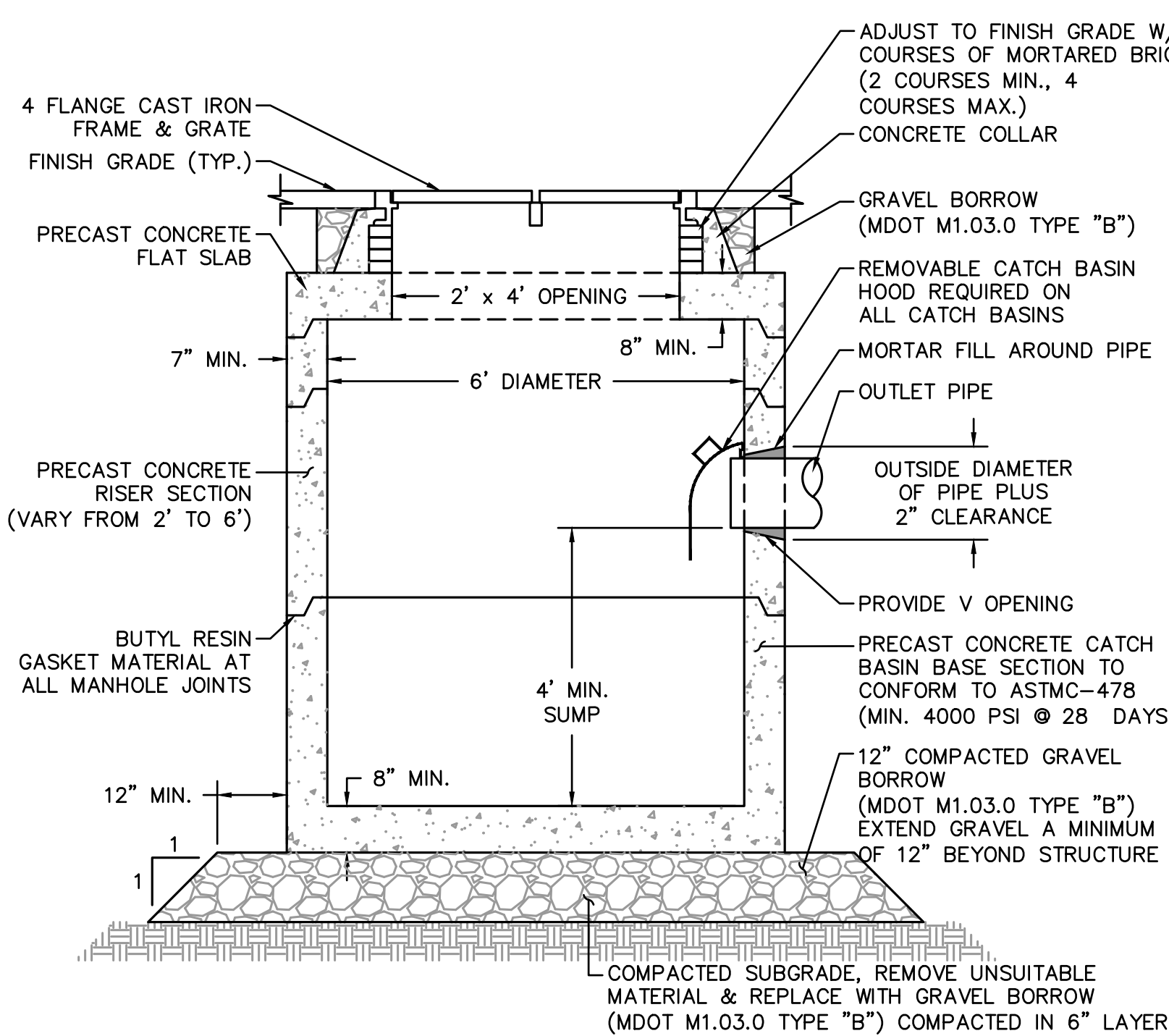


SECTION VIEW

- NOTES:**
1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 15" AREA DRAINS SHALL BE NYLOPLAST MODEL 2815 AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
 3. AREA DRAINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO AREA DRAINS.



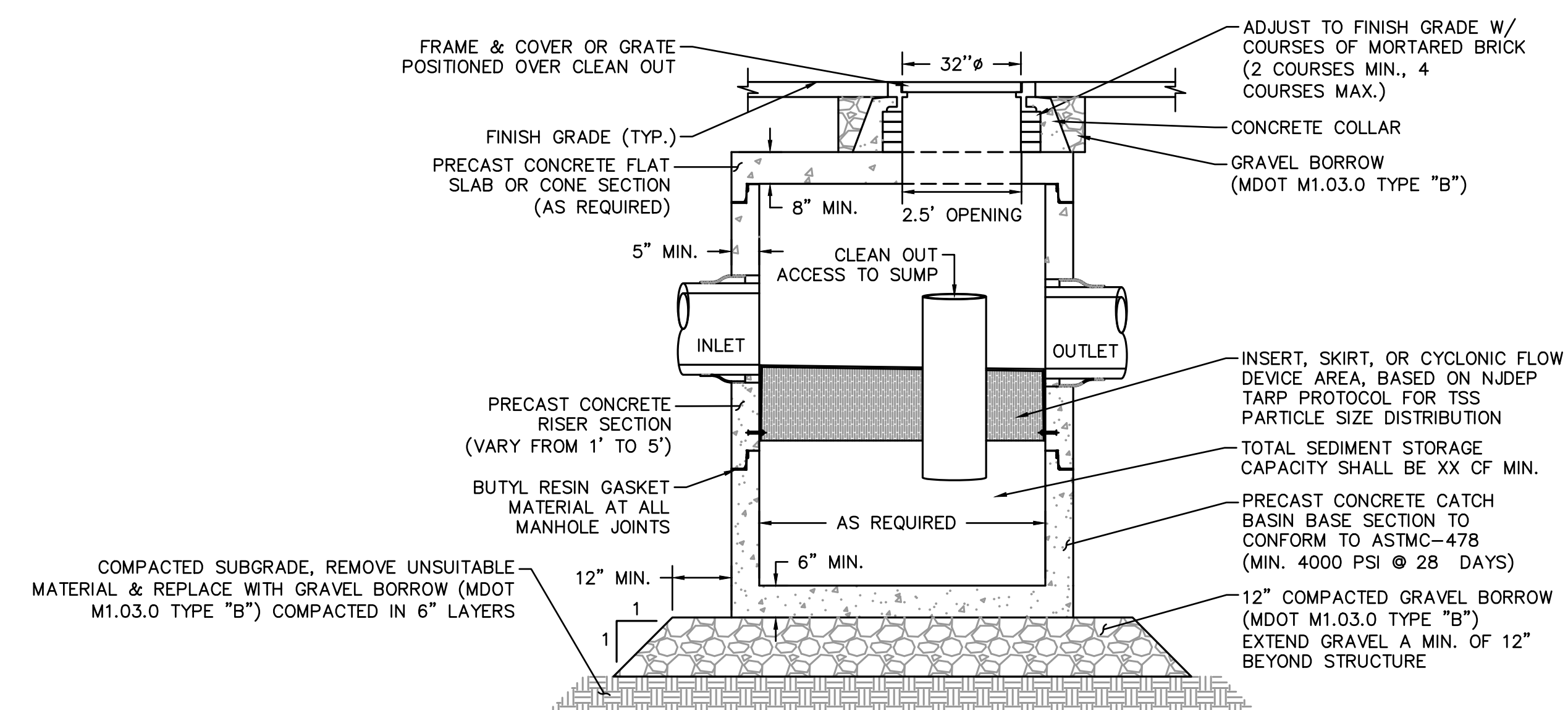
PEDESTRIAN GRATE (ADA COMPLIANT)



TYPICAL DOUBLE CATCH BASIN DETAIL
NOT TO SCALE

STRUCTURE NAME	MINIMUM WQF	PEAK FLOW RATE*	MINIMUM SEDIMENT STORAGE CAPACITY
WQI-501	0.10 CFS	1.21 CFS	20 CF
WQI-502	0.13 CFS	1.14 CFS	20 CF
WQI-503	0.09 CFS	1.41 CFS	20 CF
WQI-504	0.08 CFS	1.41 CFS	20 CF
WQS-601	0.28 CFS	2.57 CFS	20 CF
WQS-602	0.08 CFS	0.68 CFS	20 CF
WQS-603	0.12 CFS	1.10 CFS	20 CF
WQS-604	0.04 CFS	1.28 CFS	20 CF
WQS-605	0.20 CFS	1.53 CFS	20 CF
WQS-606	0.10 CFS	3.23 CFS	20 CF
WQS-607	0.19 CFS	0.51 CFS	20 CF
WQS-608	0.35 CFS	2.43 CFS	20 CF
WQS-609	0.02 CFS	0.17 CFS	20 CF
WQS-610	0.31 CFS	3.31 CFS	20 CF
WQS-611	0.33 CFS	4.76 CFS	20 CF
WQS-612	0.98 CFS	9.46 CFS	34 CF
WQS-613	0.22 CFS	2.53 CFS	20 CF
WQS-614	0.13 CFS	0.31 CFS	20 CF
WQS-615	0.55 CFS	11.84 CFS	92 CF
WQS-616	0.40 CFS	5.15 CFS	20 CF
WQS-617	0.28 CFS	0.98 CFS	20 CF
WQS-618	0.26 CFS	2.83 CFS	20 CF
WQS-619	0.26 CFS	3.11 CFS	20 CF

* PEAK FLOW RATE BASED ON RATIONAL ANALYSIS FOR A 25-YEAR STORM EVENT. STRUCTURE SHALL BE ABLE TO PASS PEAK FLOW RATE WITHOUT CAUSING A BACKWATER CONDITION.

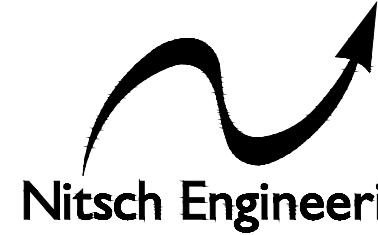


- NOTE :
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
 2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.
 3. STRUCTURE DESIGNED FOR H2O LOADING.

WATER QUALITY STRUCTURE DETAIL
NOT TO SCALE

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CIVIL SITE DETAILS IV

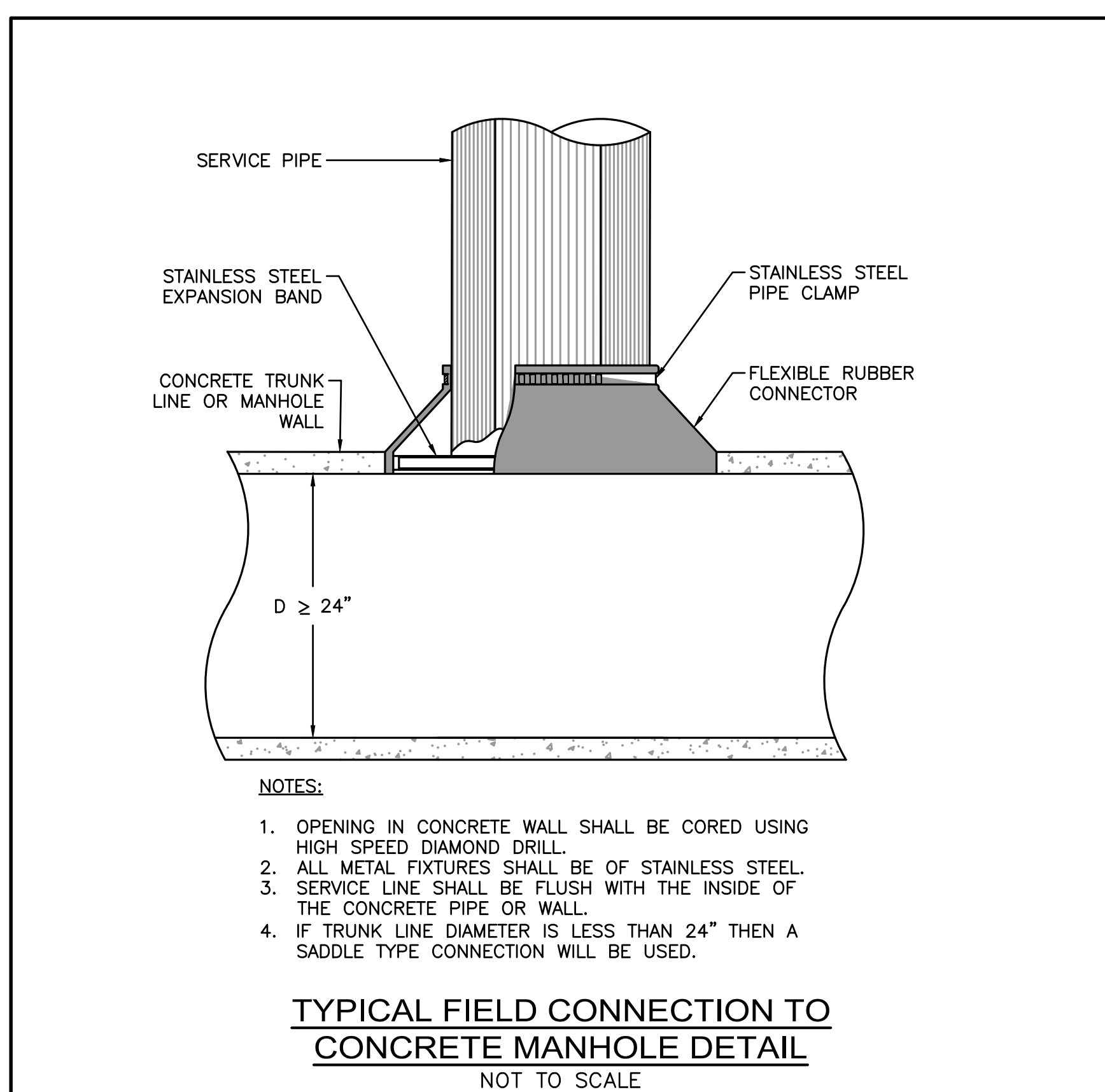
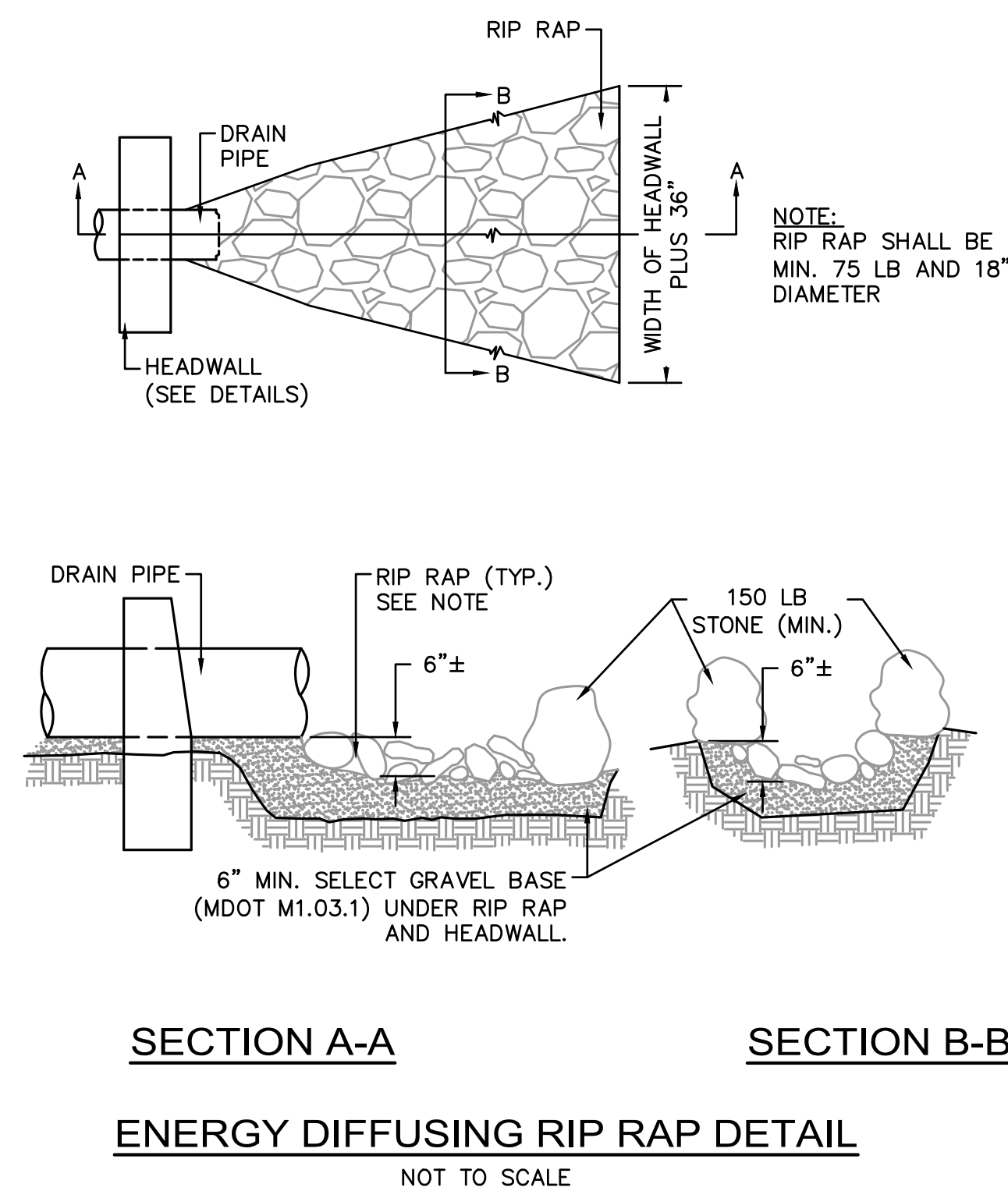
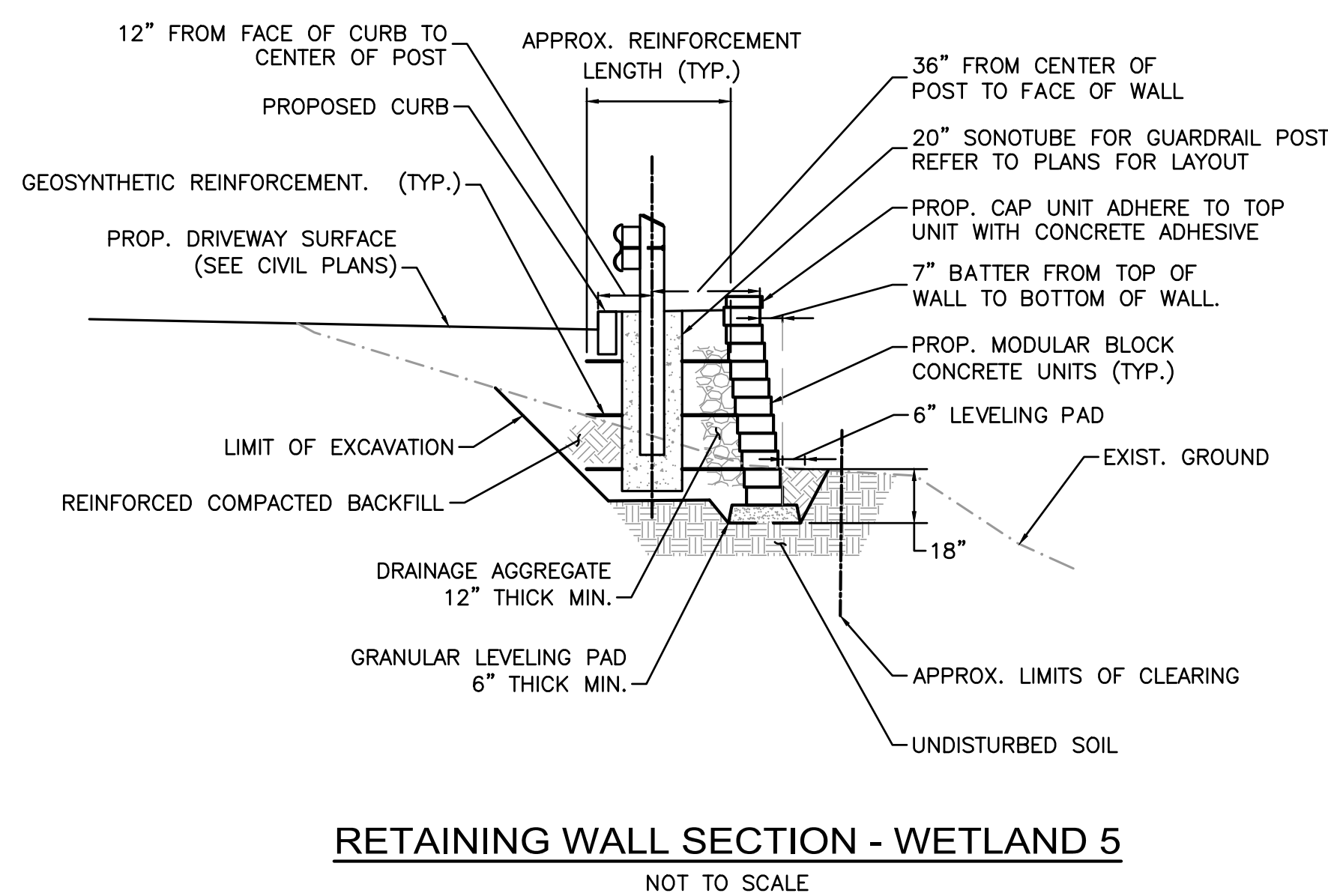
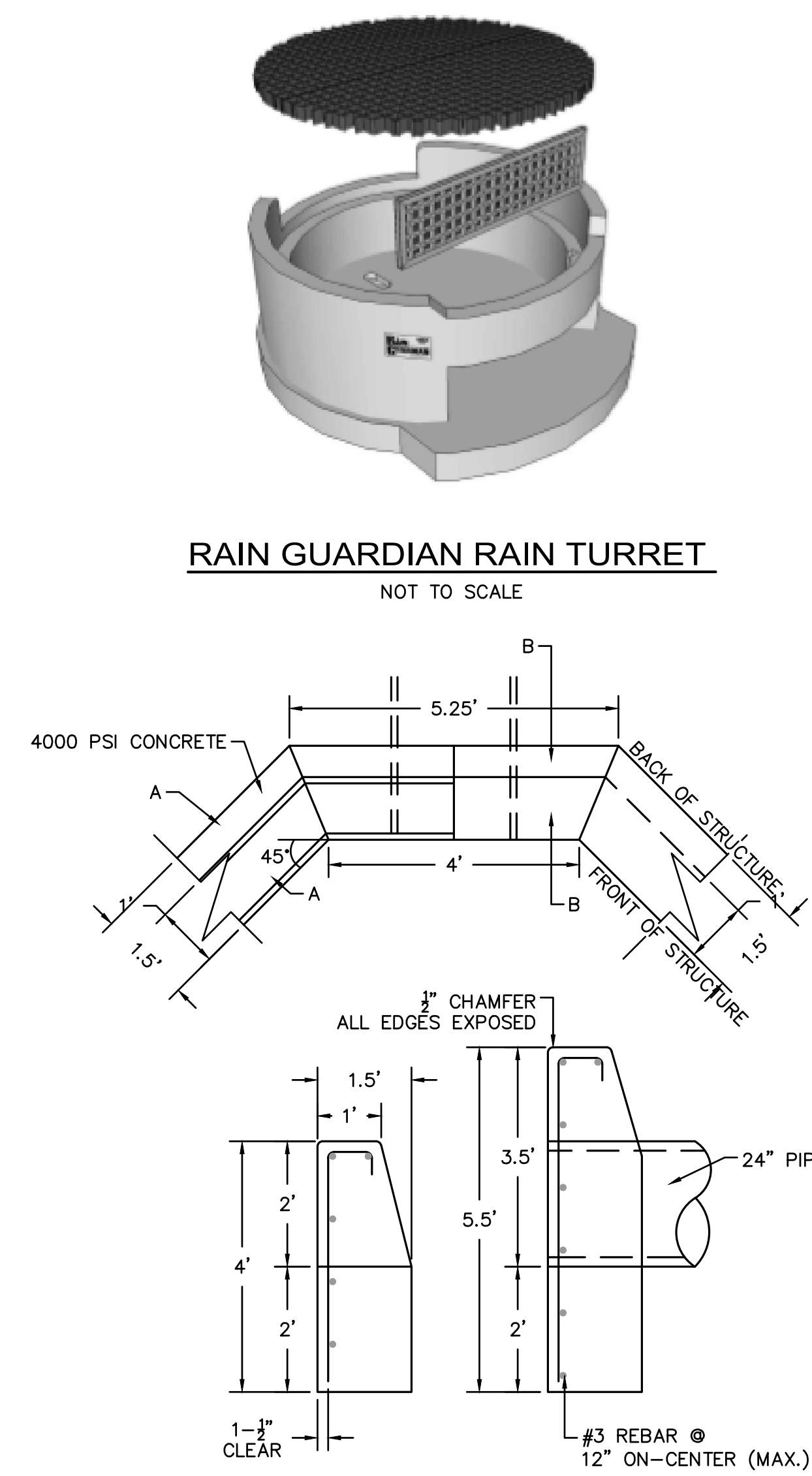
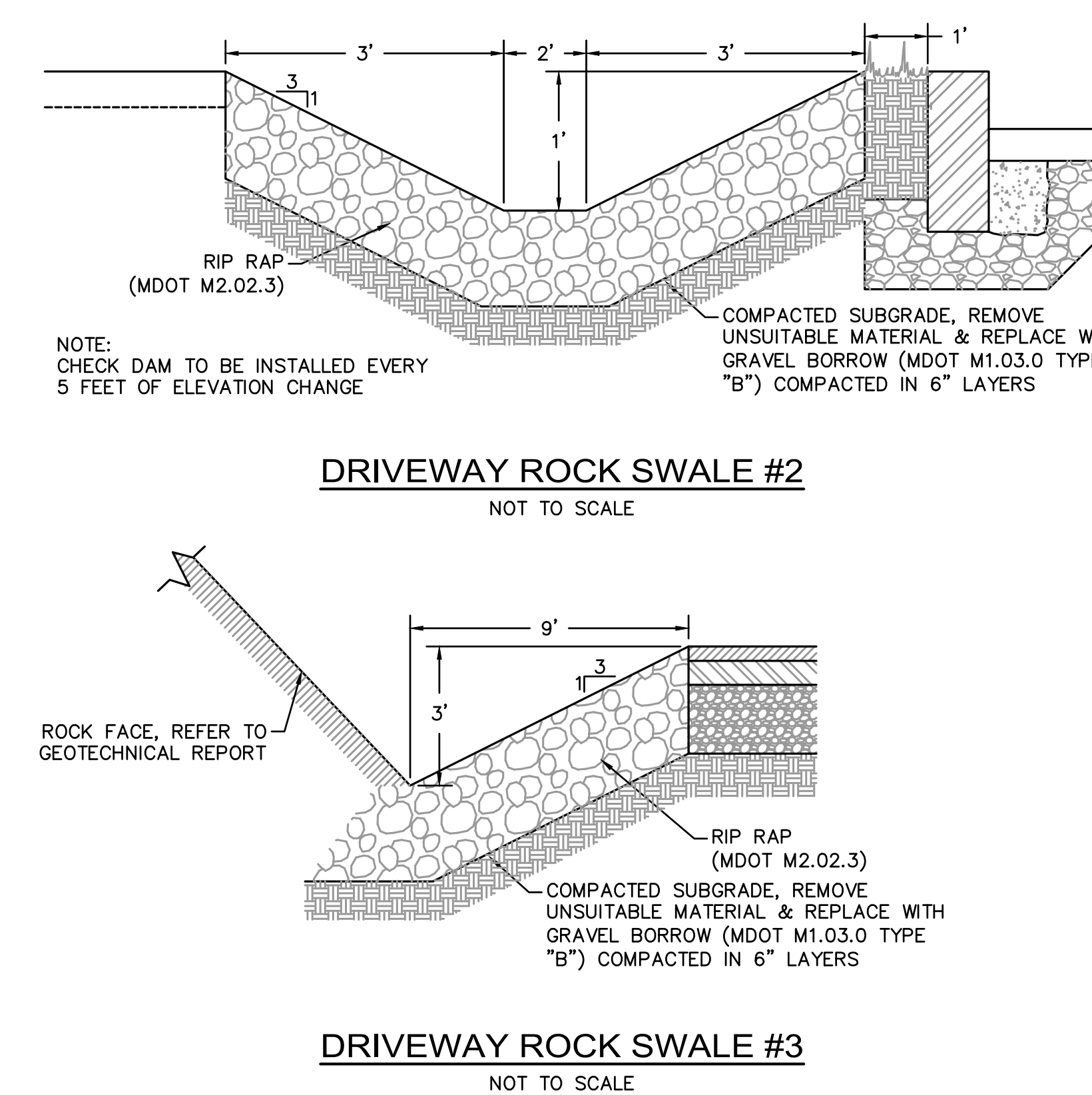
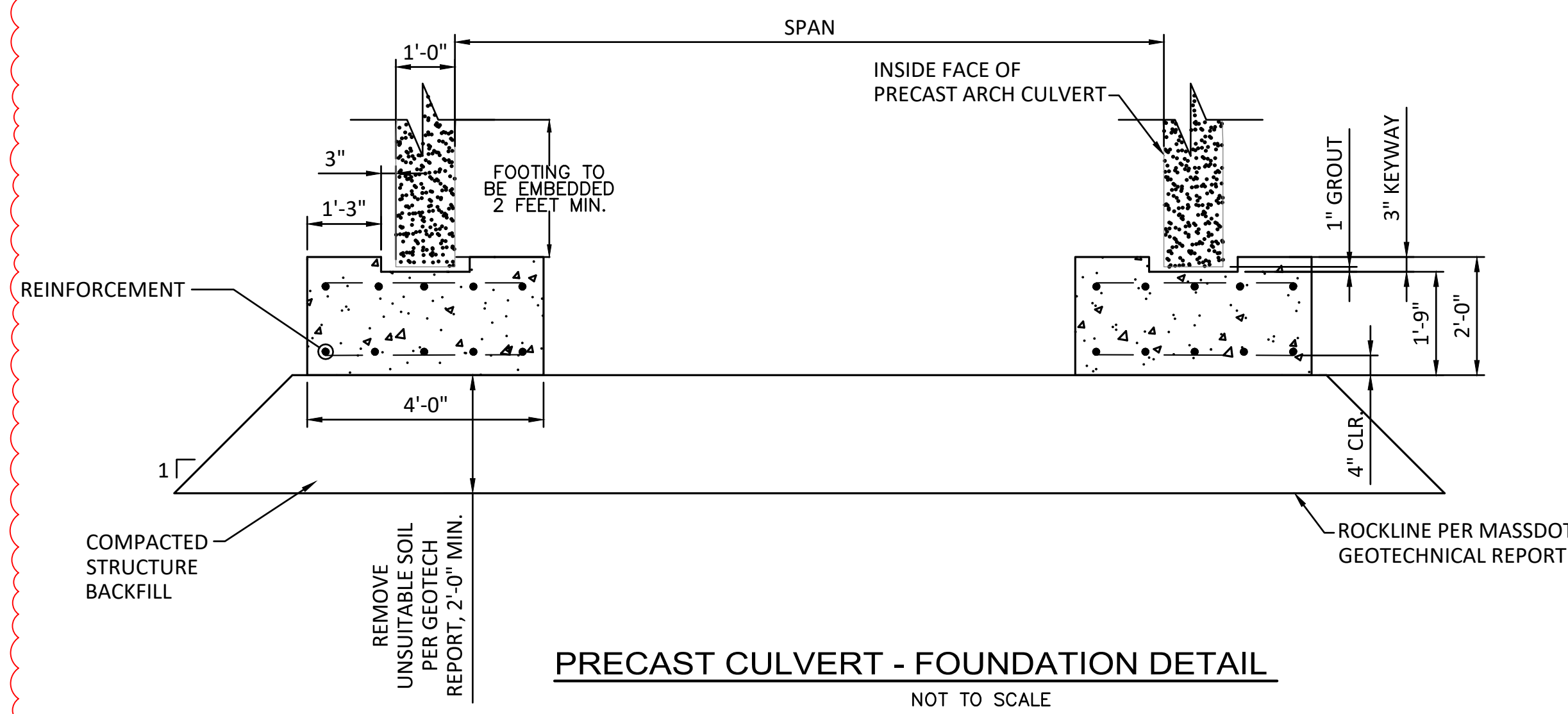
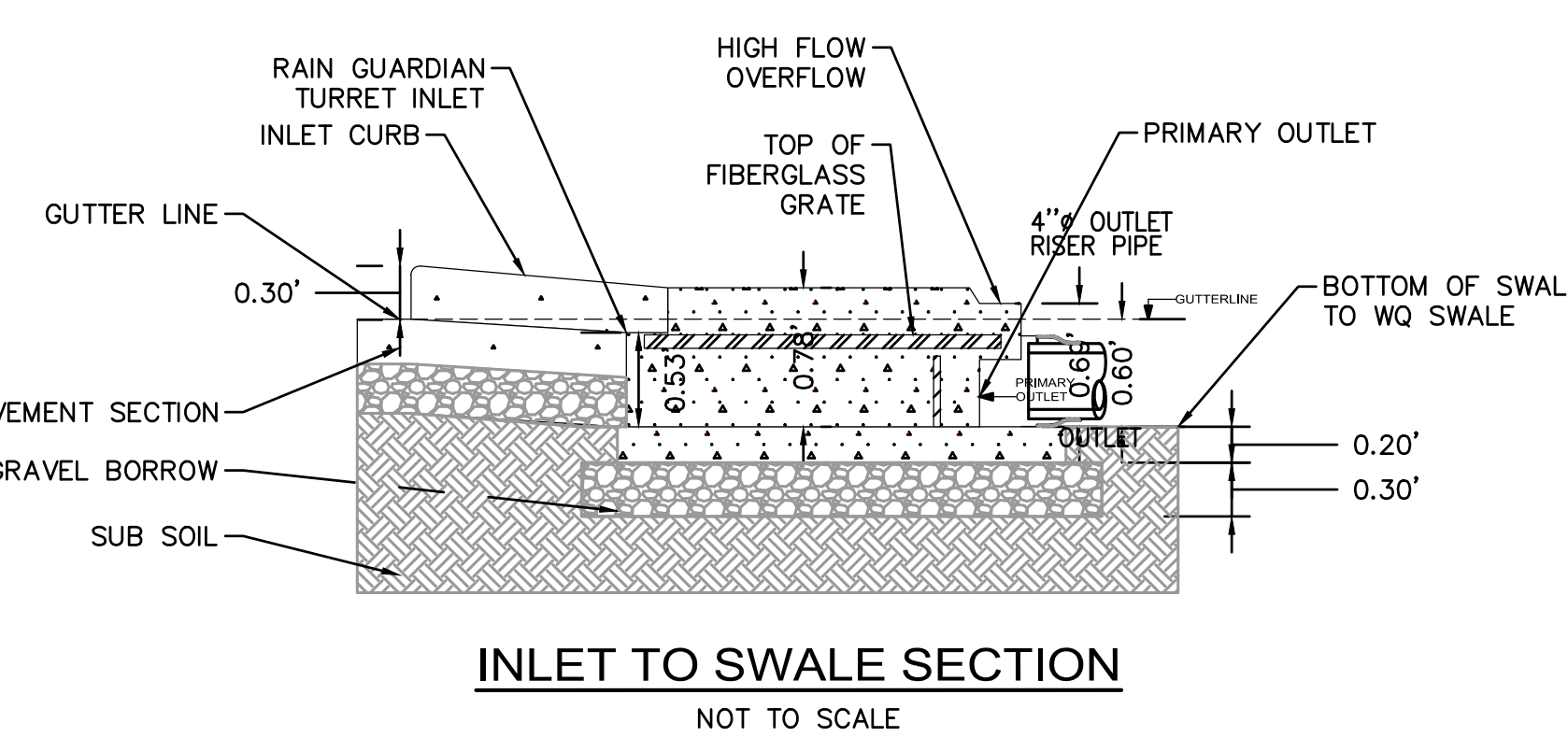
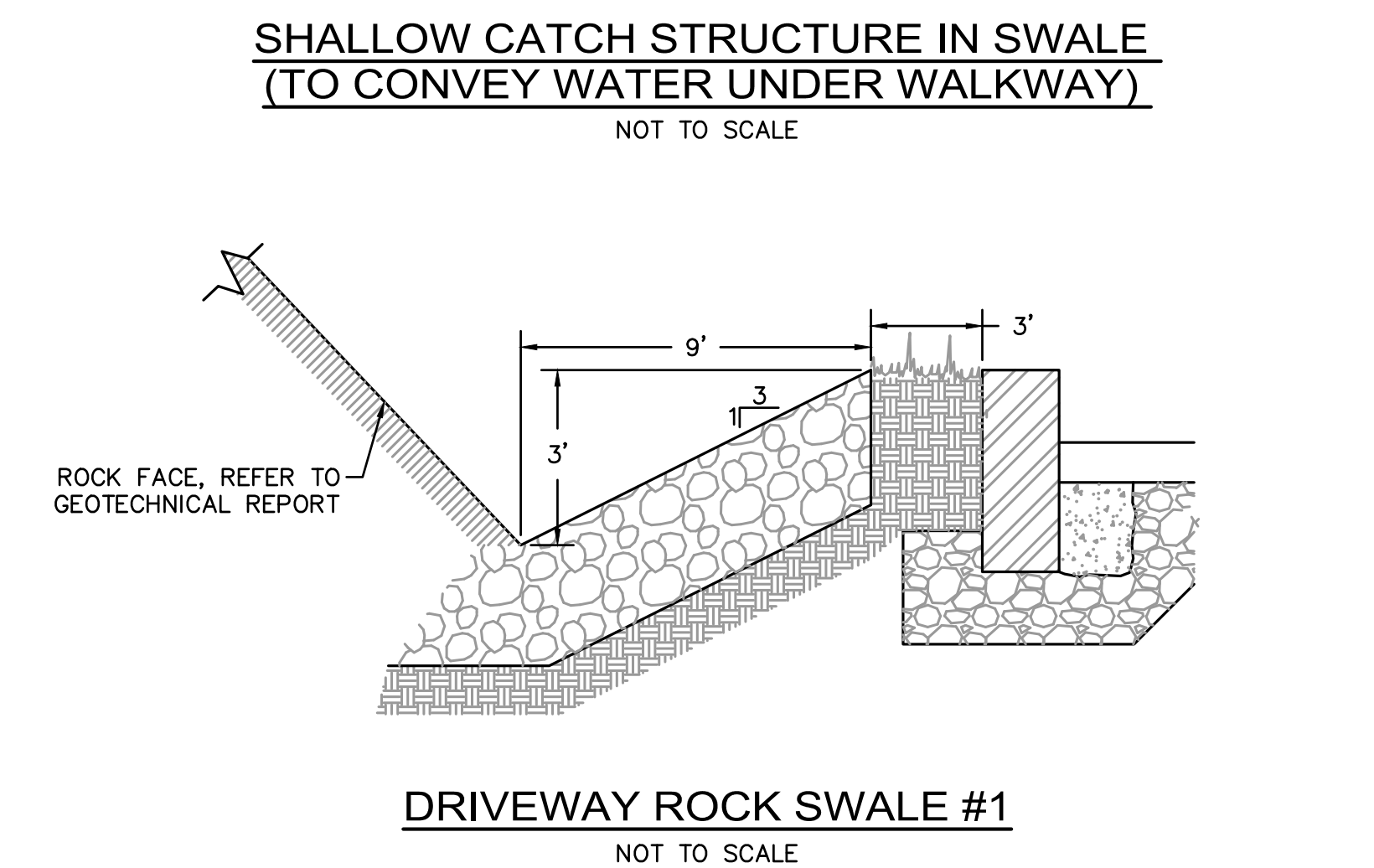
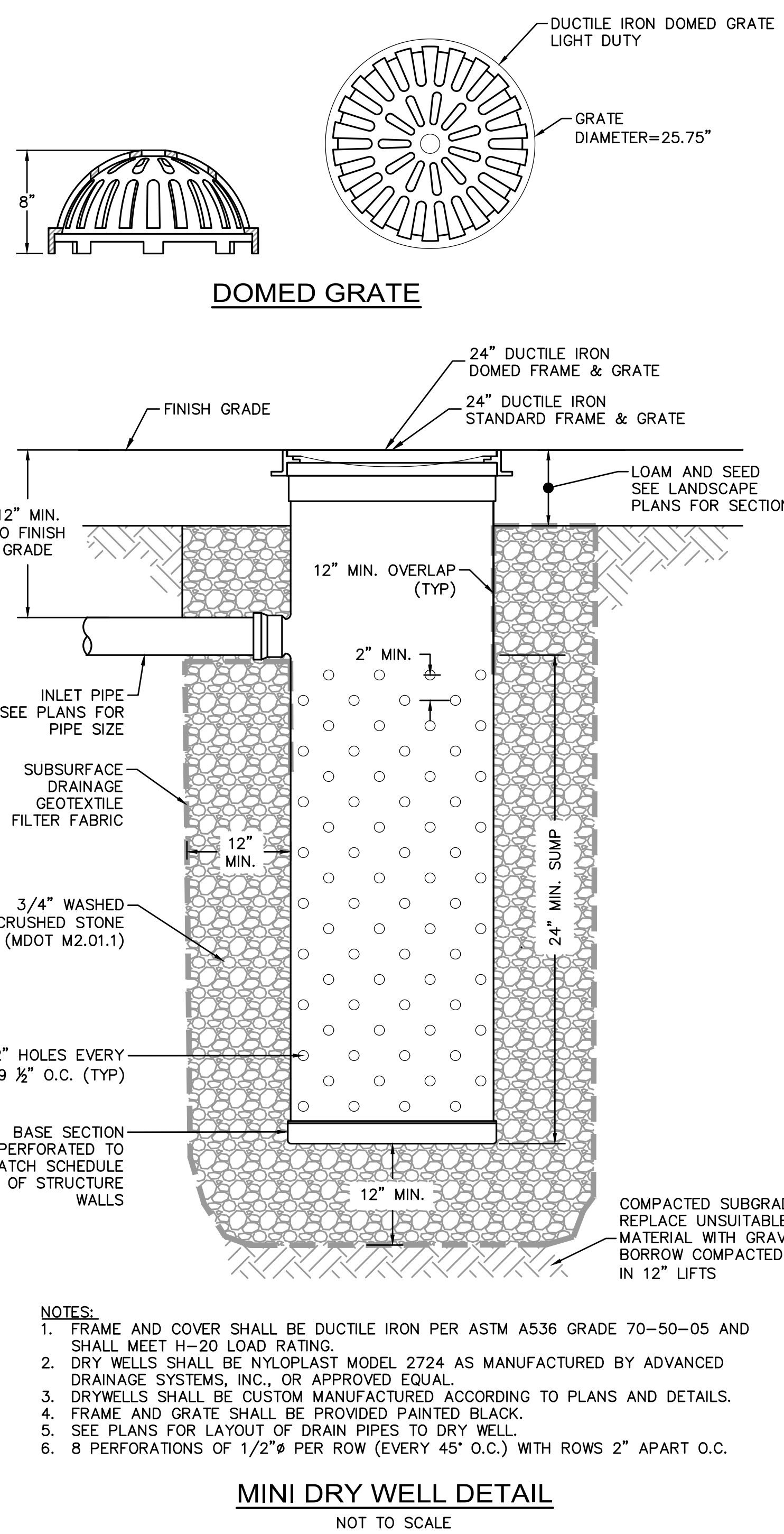
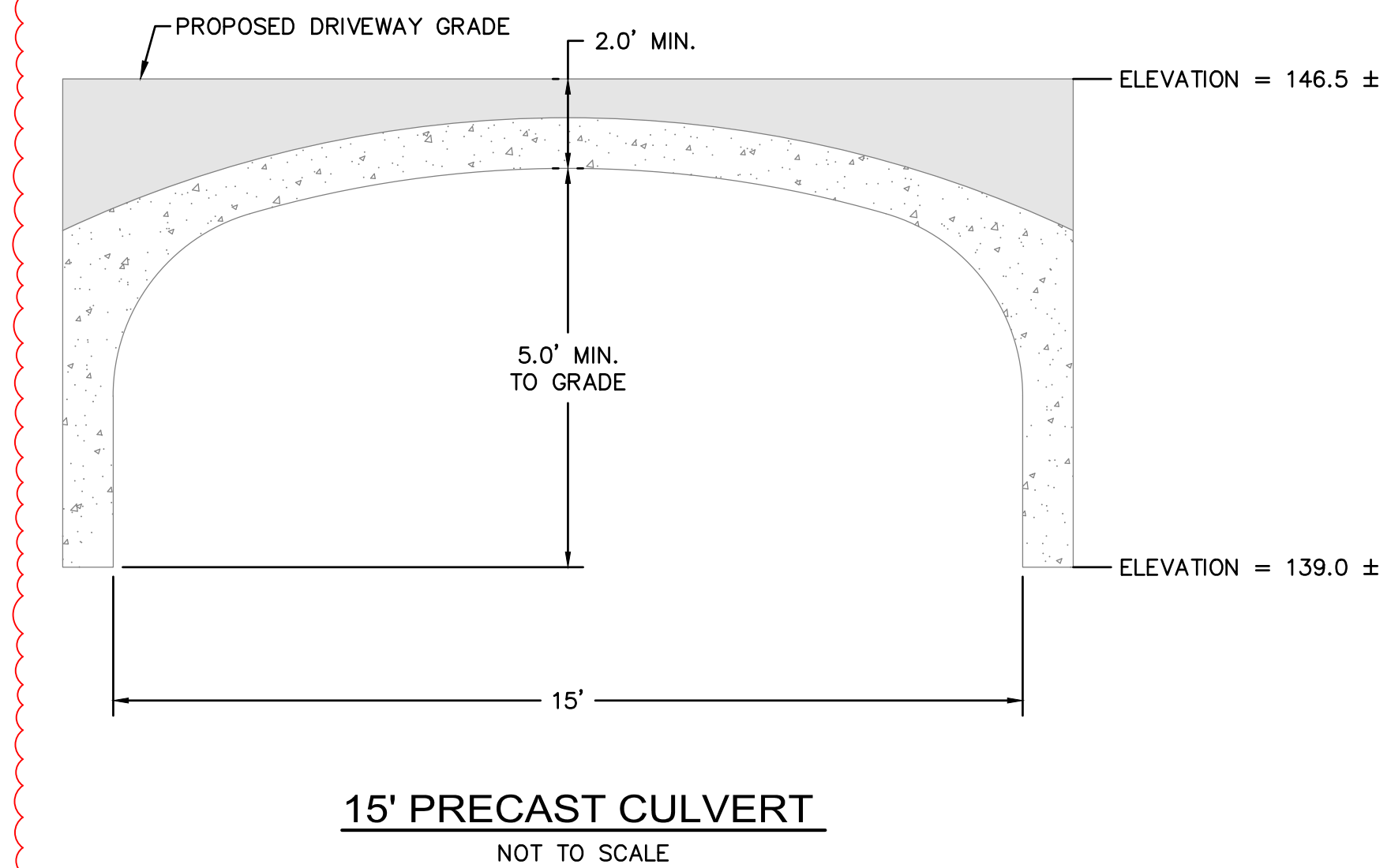
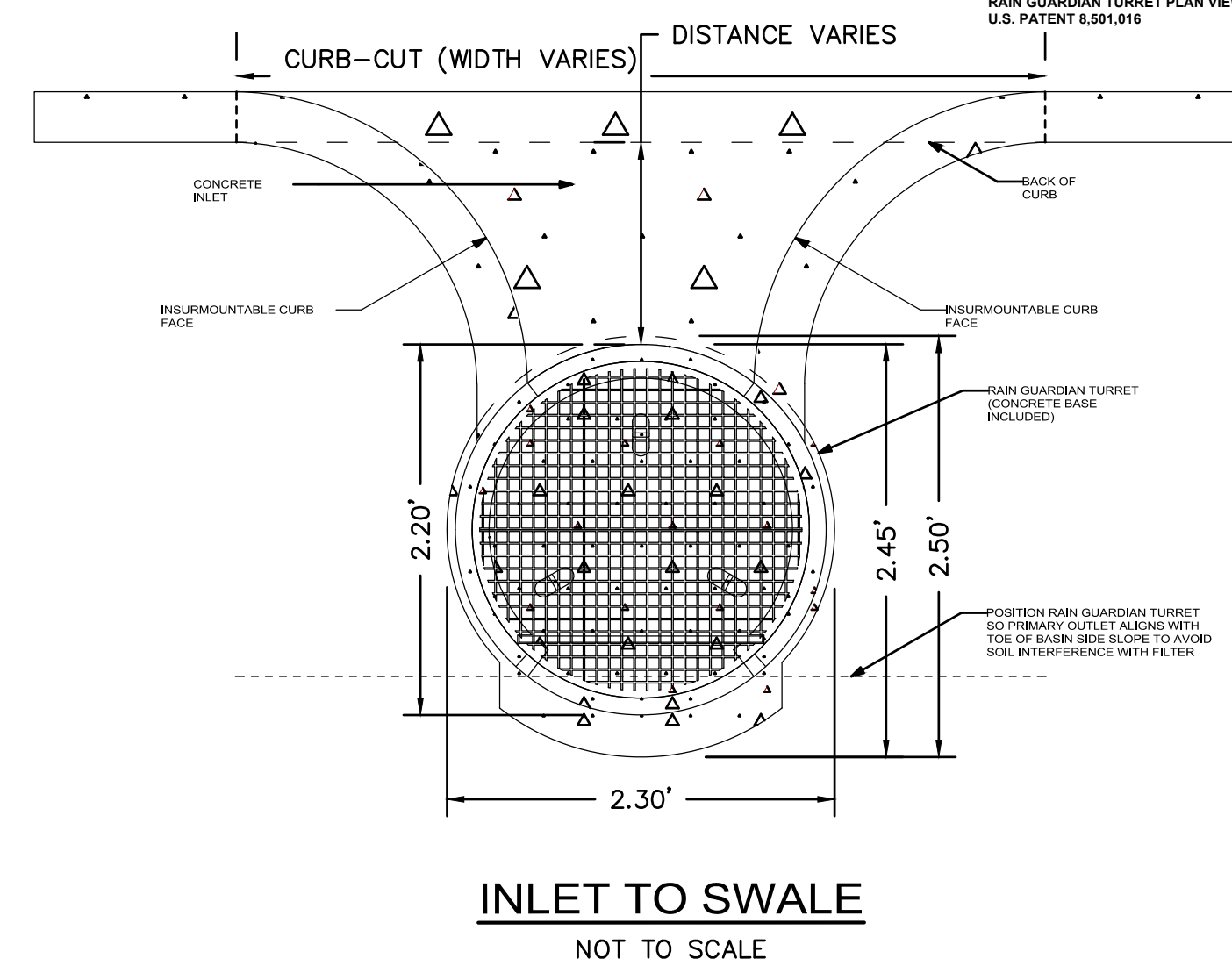
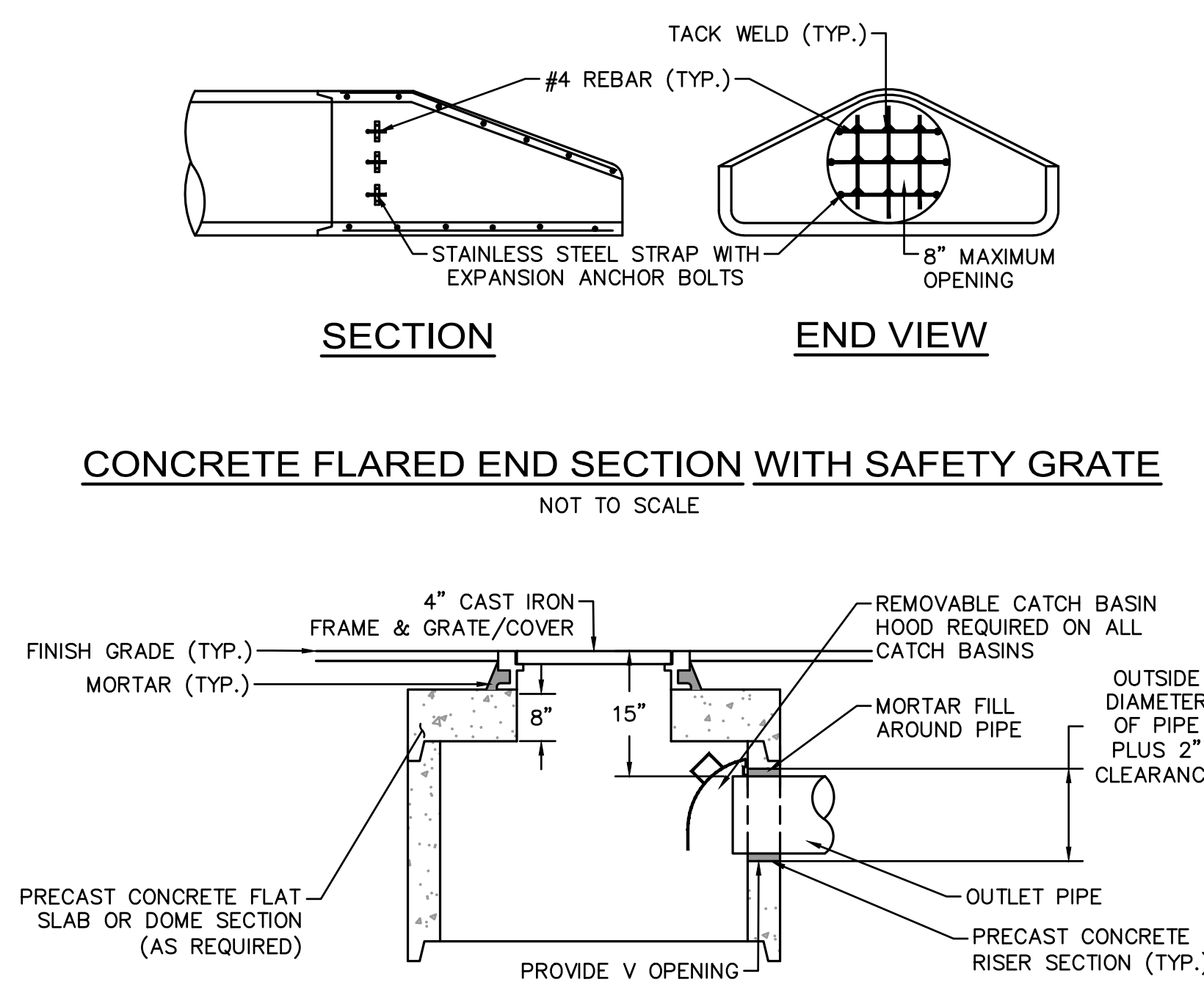
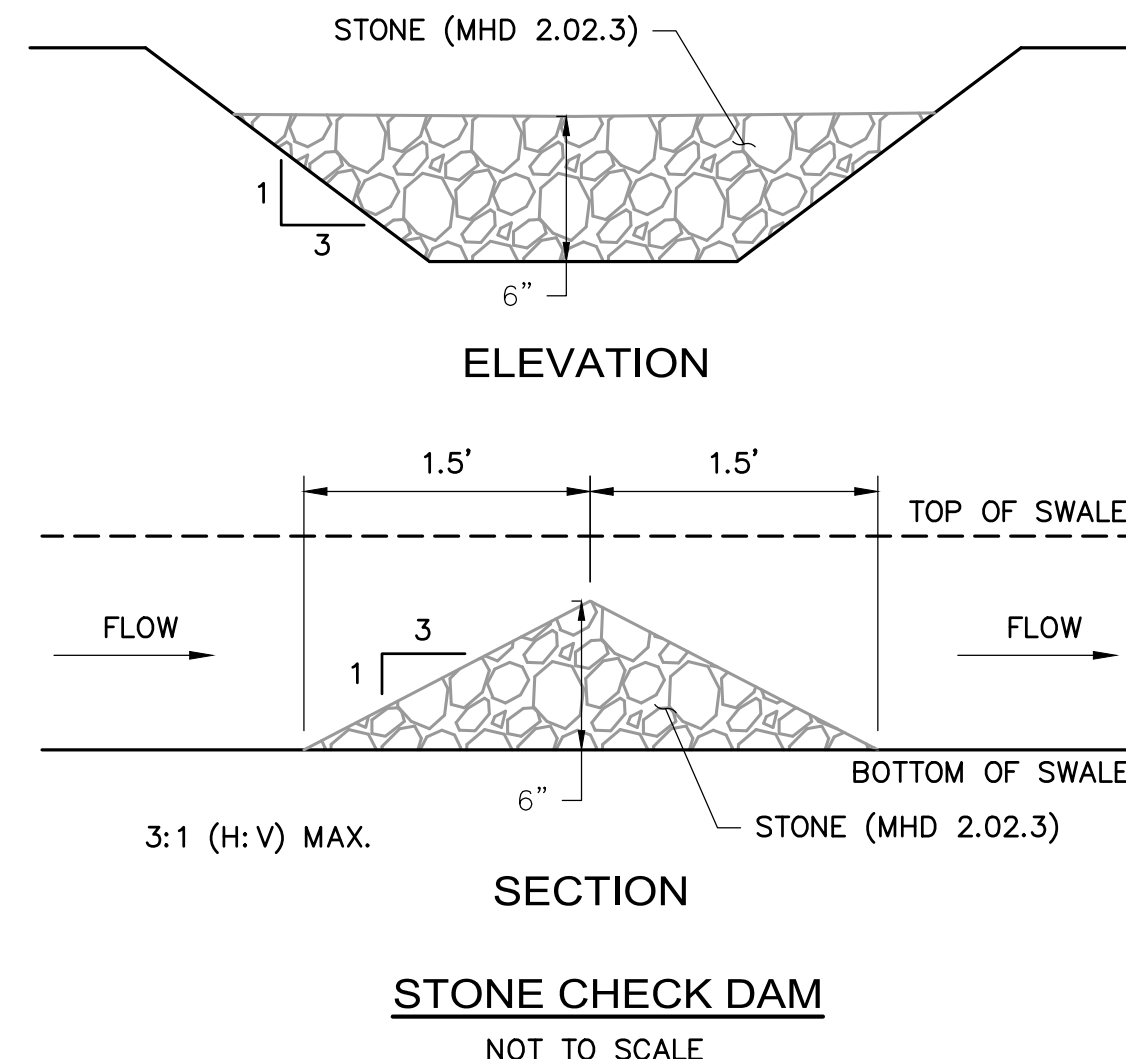
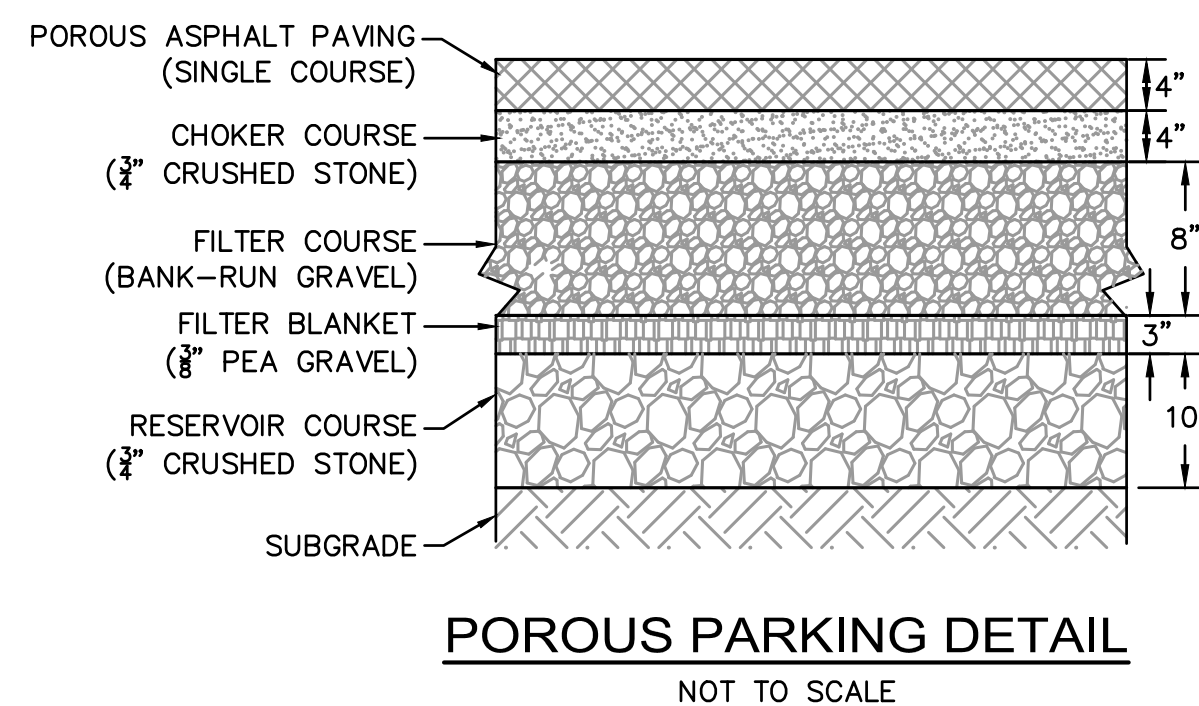
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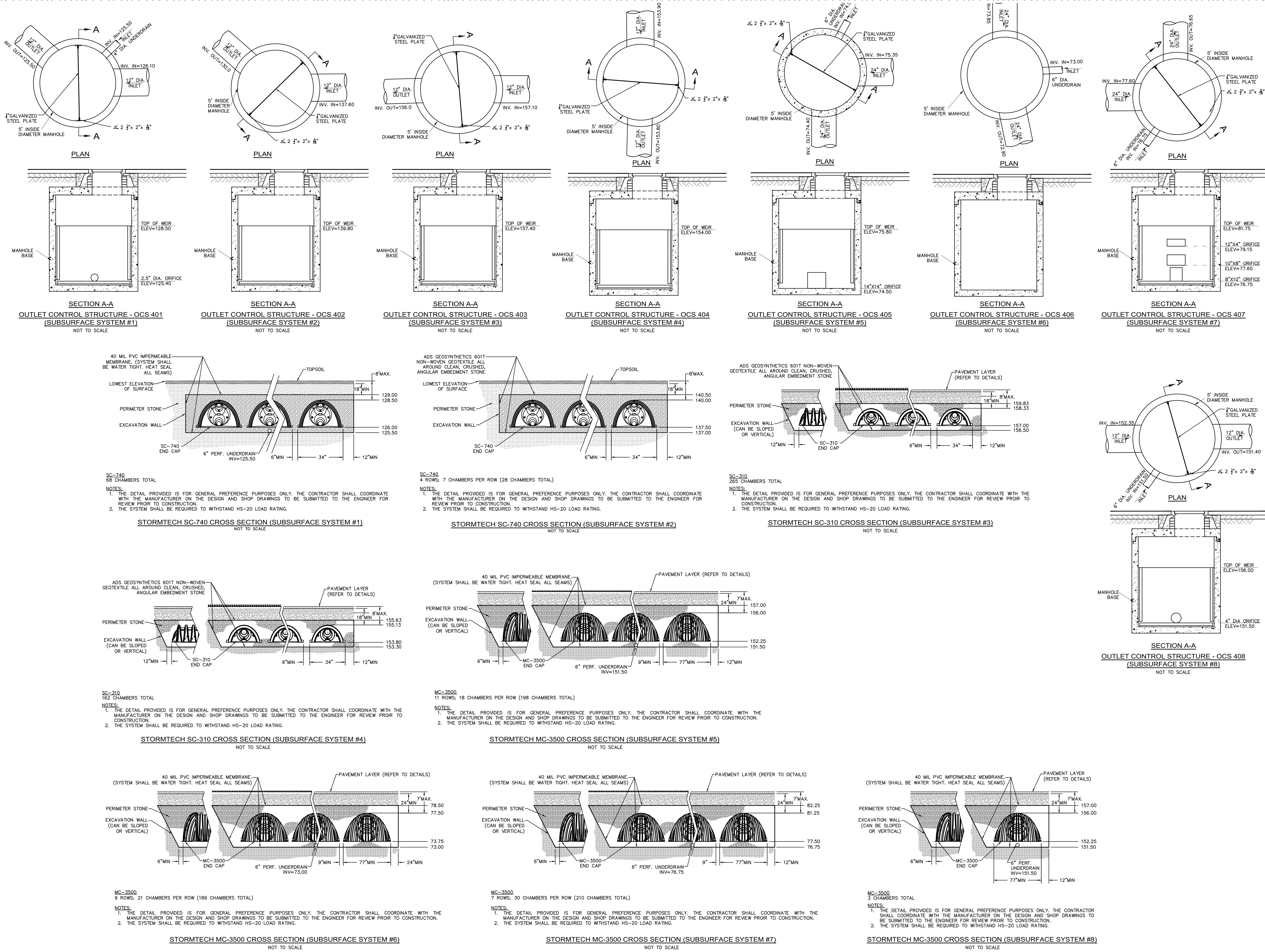
Job No. : 12872

JOB NO.: 13072

Drawn By: SCD

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AUGUST 28, 2023

PROJECT NORTH

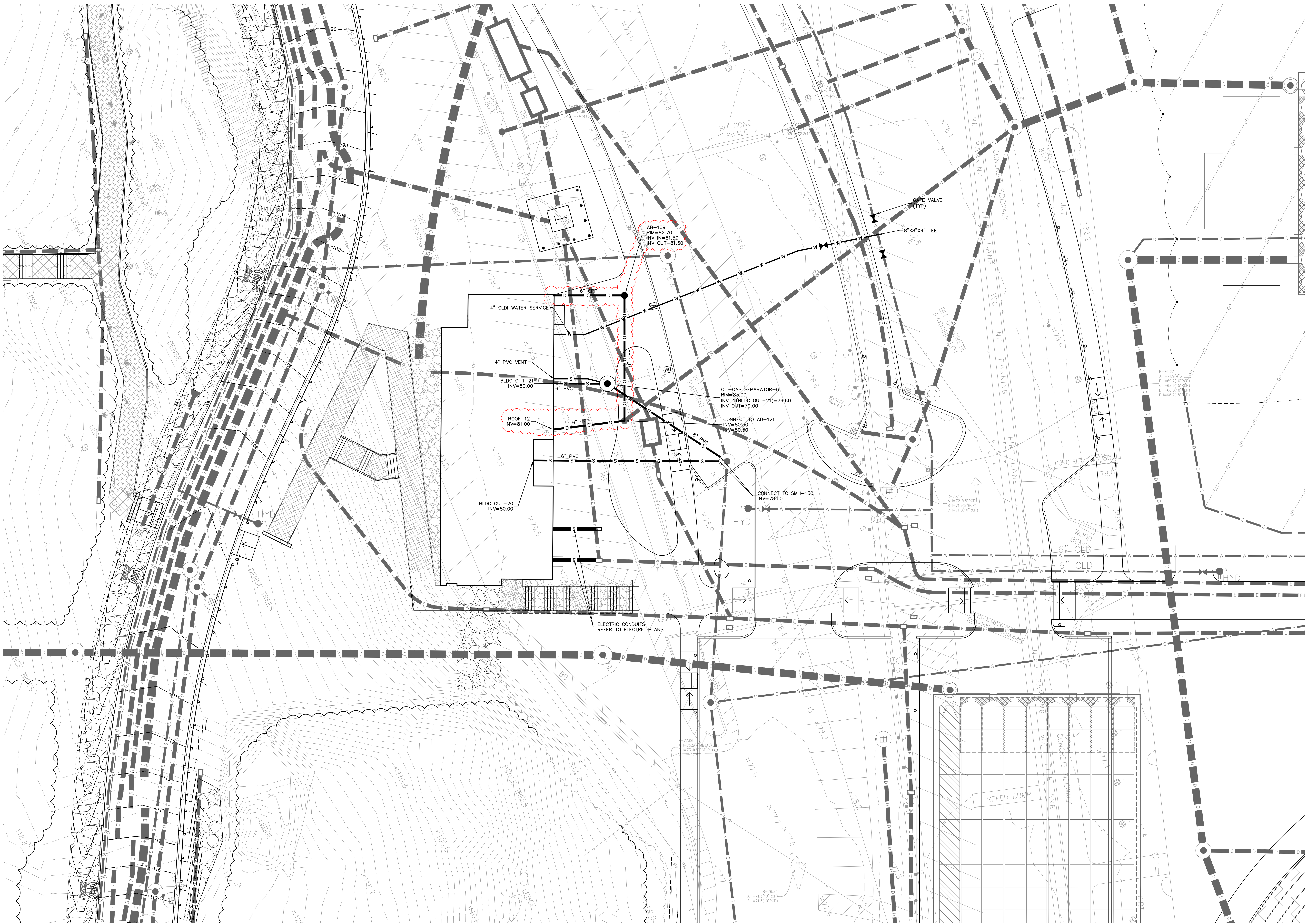
MAGNETIC NORTH

CIVIL SITE DETAILS VI

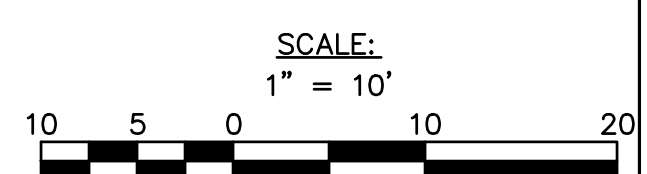
Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

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AUGUST 28, 2023

PROJECT NORTH

MAGNETIC NORTH

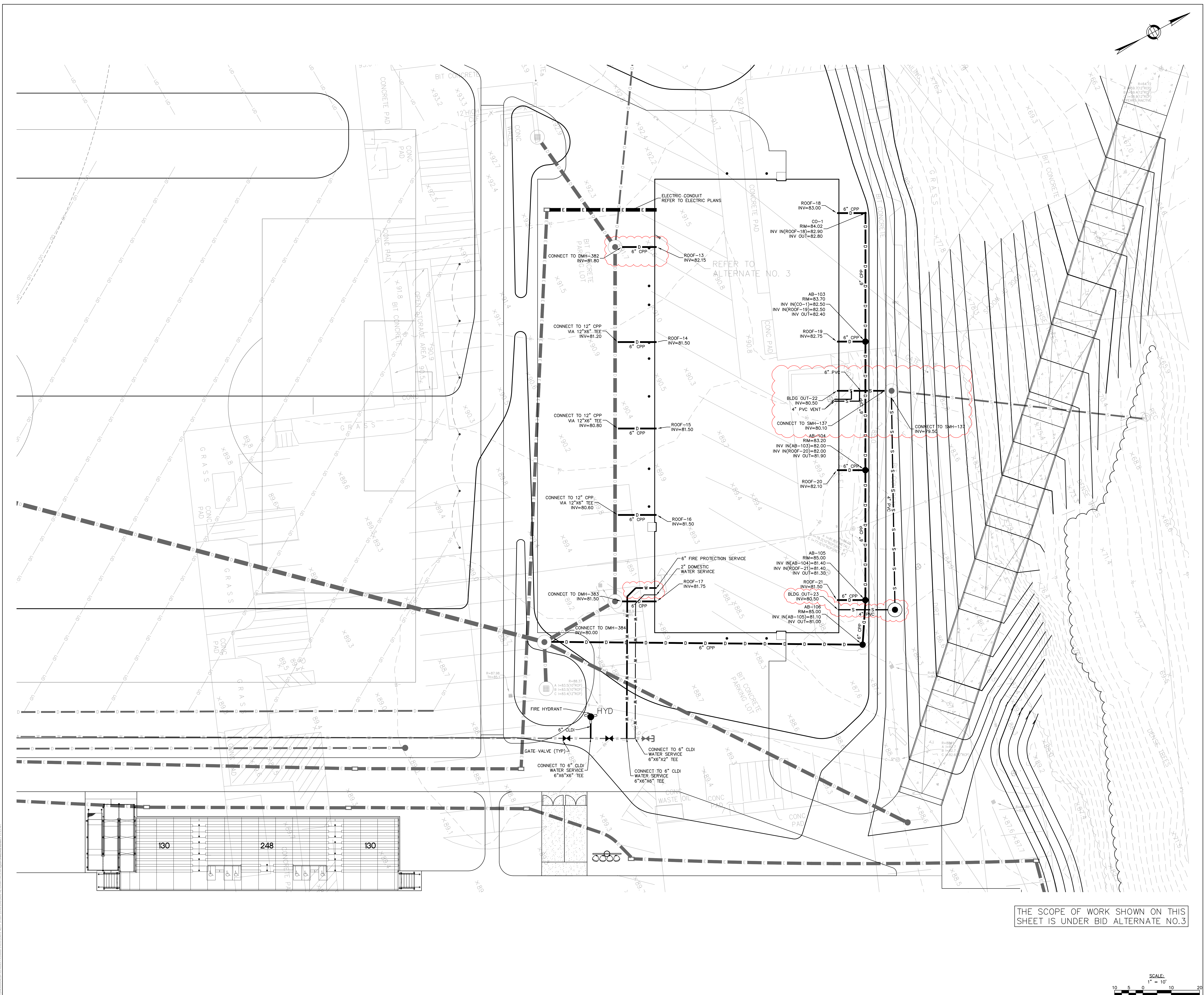
ALTERNATIVE NO.1 LOCKER BUILDING

UTILITY PLAN

Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

ADD ALT-1

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PROJECT NORTH

MAGNETIC NORTH

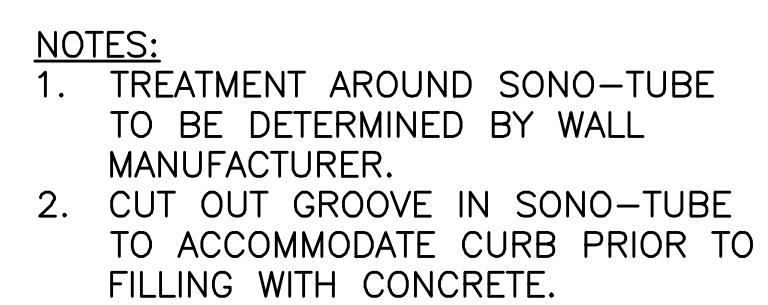
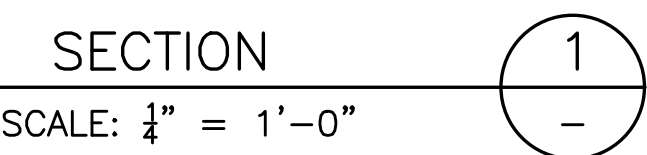
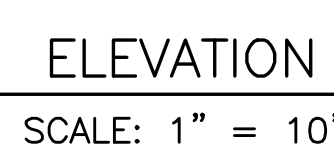
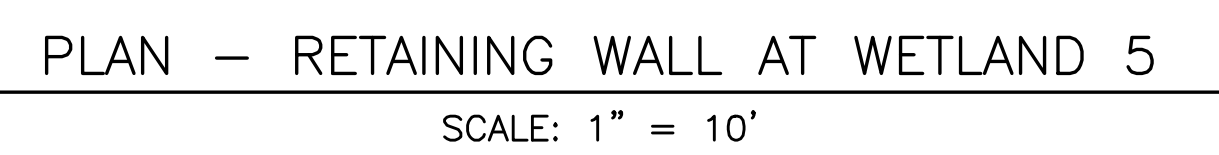
ALTERNATIVE NO.3
MAINTENANCE
BUILDING

UTILITY PLAN

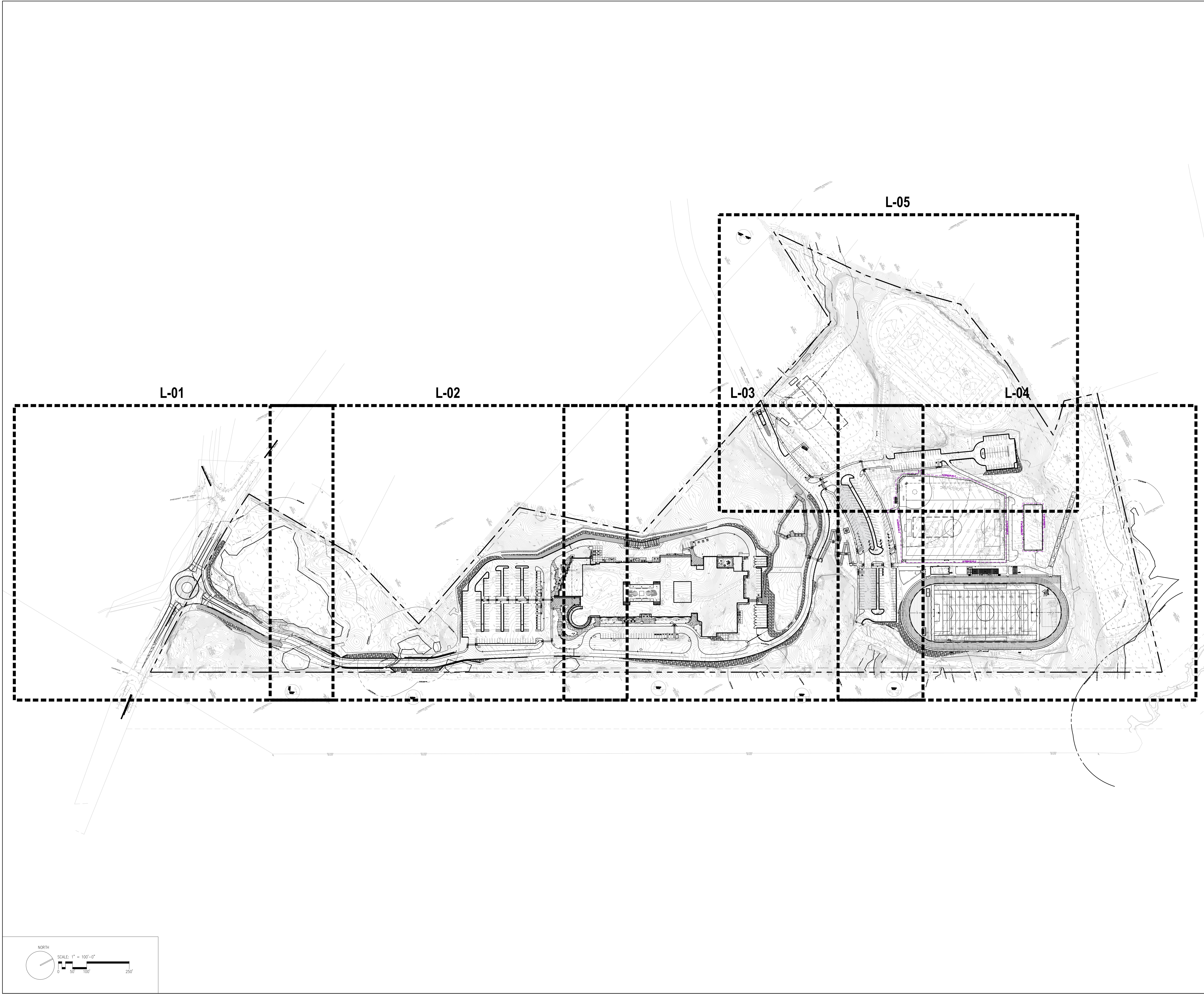
Scale: AS NOTED
Job No.: 13872
Drawn By: SCD
Date: AUGUST 28, 2023

ADD
ALT-3

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS ARE GIVEN TO THE CENTERLINE OF THE PIPE OR STRUCTURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PIPE OR STRUCTURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PIPE OR STRUCTURE UNLESS OTHERWISE NOTED.



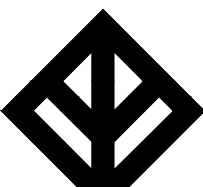
GEOSYNTHETIC REINFORCEMENT AT SONO-TUBE DETAIL



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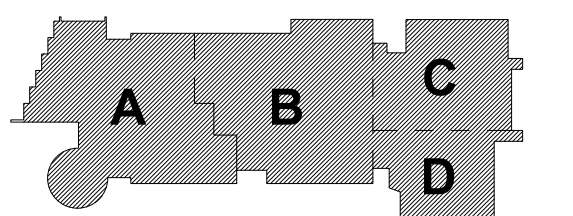

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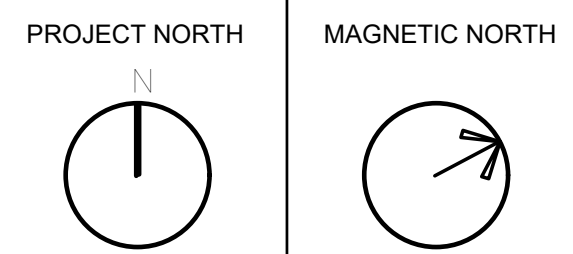
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BID SET

August 28, 2023



KEY PLAN



**OVERALL
SITE PLAN**

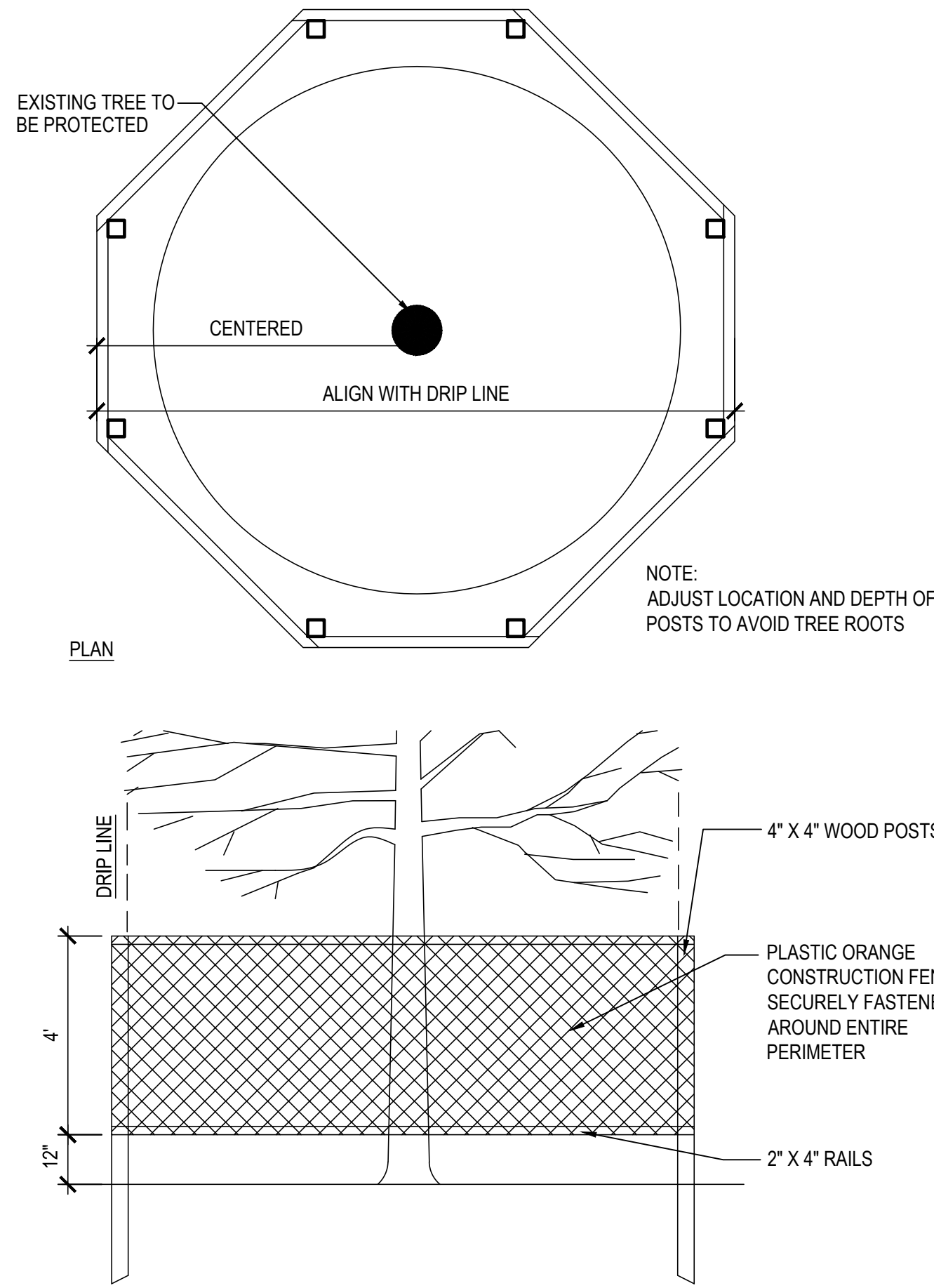
Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L000

SITE PREPARATION NOTES:

- EXISTING CONDITIONS INFORMATION IS FROM A SURVEY PERFORMED BY NITSCH ENGINEERING 120 FRONT STREET, SUITE 200 WORCESTER, MA 01608, DATED JUNE 3, 2020.
- REFER TO DOCUMENT 003100-AVAILABLE PROJECT INFORMATION; FOR GEOTECHNICAL REPORT AND HAZARDOUS MATERIAL SUMMARY REPORT.
- REFER TO RECORD DRAWINGS OF ORIGINAL BUILDING CONSTRUCTION FOR EXISTING BUILDING DETAILS.
- CONTRACTOR SHALL REMOVE ALL EXISTING STRUCTURES, FOOTINGS, PAVEMENT, WALKS, WALLS, STAIRS, TREES AND SHRUBS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT. ALL ITEMS, INCLUDING BUT NOT LIMITED TO, STRUCTURES AND RELATED FOOTINGS, SITE AMENITIES, FENCES AND FENCE FOOTINGS, HAND RAILS, SIGNS, LIGHT POSTS AND LIGHT POST FOOTINGS LOCATED WITHIN THE LIMIT OF WORK LINE SHALL BE REMOVED AND LEGALLY DISPOSED OF UNLESS NOTED OTHERWISE. REFER TO CIVIL, ARCHITECTURAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REMOVAL AND DEMOLITION REQUIREMENTS.
- ITEMS TO BE SALVAGED SHALL BE STORED ON-SITE WITHIN CONSTRUCTION FENCING AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- SALVAGE ALL SITE SIGNAGE REQUIRED TO BE REMOVED BY THE WORK OF THIS PROJECT, AND PROVIDE TO OWNER'S REPRESENTATIVE. DISPOSE OF FOOTINGS AND DAMAGED POSTS.
- REFER TO CIVIL DRAWINGS FOR TREATMENT OF EXISTING SITE UTILITIES AND DRAINAGE SYSTEMS. REFER TO ELECTRICAL SITE PLANS FOR TREATMENT OF EXISTING SITE ELECTRICAL.
- REFER TO CIVIL DRAWINGS AND STORMWATER POLLUTION PREVENTION PLAN FOR EROSION AND SEDIMENTATION CONTROL.
- REFER TO GEOTECHNICAL INFORMATION FOR SUBSURFACE EXPLORATION LOCATIONS AND INFORMATION.
- REFER TO GEOTECHNICAL INFORMATION AND EARTH MOVING SPECIFICATION SECTION-321000 FOR ROCK AND LEDGE BLASTING AND/OR REMOVAL.
- EXISTING FOUNDATIONS AND BELOW GRADE REMAINS OF THE FORMER BUILDING(S) SHALL BE REMOVED AND DISPOSED IN THEIR ENTIRETY.
- CONTRACTOR SHALL NOTIFY DIGSAFE (1-888-DIG-SAFE) AND VERIFY UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED TO ROADS, WALKS, UTILITIES, SITE IMPROVEMENTS, EXISTING OR PROPOSED, DAMAGED BY THIS PROJECT.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO STARTING WORK.
- ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE REGULATORY AGENCIES' REQUIREMENTS.
- CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN WITHIN THE LIMIT OF WORK.
- REMOVE AND DISPOSE OF ALL GRANITE CURB ON SITE, REFER TO SPECIFICATIONS.
- EXISTING IRRIGATION SYSTEM SHALL REMAIN IN WORKING CONDITION AT ALL TIMES OF THE GROWING SEASON DURING ALL CONSTRUCTION PHASES. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS TO THE IRRIGATION SYSTEM CAUSED BY CONSTRUCTION ACTIVITIES AND REPLACEMENT OF ANY PLANT MATERIAL LOST DUE TO THE IRRIGATION SYSTEM BEING OFF-LINE.
- ALL TOPSOIL TO BE STRIPPED AND STOCKPILED FOR RE-USE ON SITE. REFER TO LANDSCAPE SPECIFICATIONS FOR DETAILS.
- REFER TO EARTH MOVING SPECIFICATION-312000, FOR INFORMATION ON SUB-SOIL REMOVAL AND SUB-GRADE PREPARATION.

LEGEND:

- | | |
|--|--|
| | APPROXIMATE LIMIT OF WORK |
| | PRESERVE AND PROTECT |
| | REMOVE AND DISPOSE |
| | REMOVE AND SALVAGE |
| | EXISTING TO REMAIN |
| | R & D TREE (AND GRUB), SIGN POST, BOLLARD, LIGHT POLE, ECT. |
| | TREE PROTECTION |
| | EXISTING TREE TO REMAIN |
| | R&D FENCE, GUARDRAIL, TYP. |
| | PAVEMENT REMOVAL, REFER TO SURVEY FOR MATERIAL TYPE |
| | CLEAR AND GRUB VEGETATION |
| | LEDGE REMOVAL (INCLUDES VEGETATION REMOVAL), REFER TO GEO-TECHNICAL REPORT FOR DETAILS |

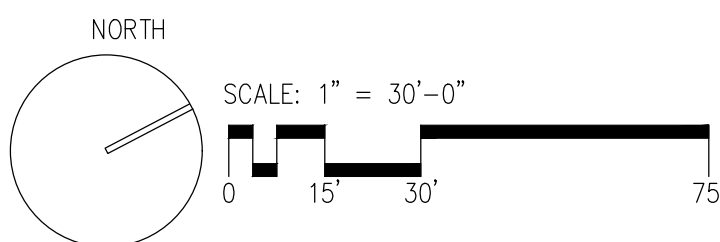


SECTION

NOTES

- TREE PROTECTION TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION. REMOVE FOR FINAL LANDSCAPE TREATMENT.
- ADJUST LOCATION OF TREE PROTECTION WITHIN TREE DRIPLINE ONLY WHEN NECESSARY TO PERFORM WORK SHOWN ON DRAWINGS.
- STOCKPILING OF SOILS, STORING OF MATERIALS, PARKING OF VEHICLES OR LOCATION OF TEMPORARY STRUCTURES SHALL NOT OCCUR AT ANY TIME WITHIN THE DRIPLINE OF TREES TO REMAIN.

1 TREE PROTECTION
SCALE: NTS



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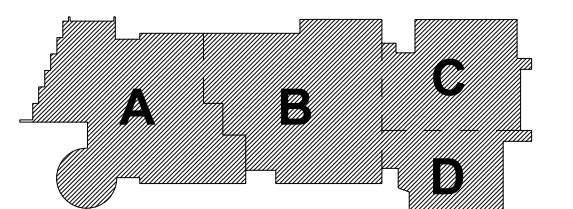
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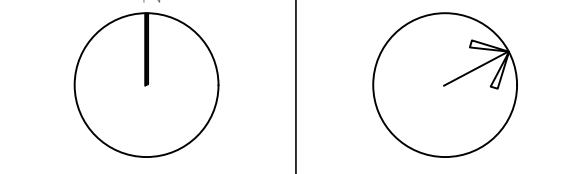
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August 28, 2023



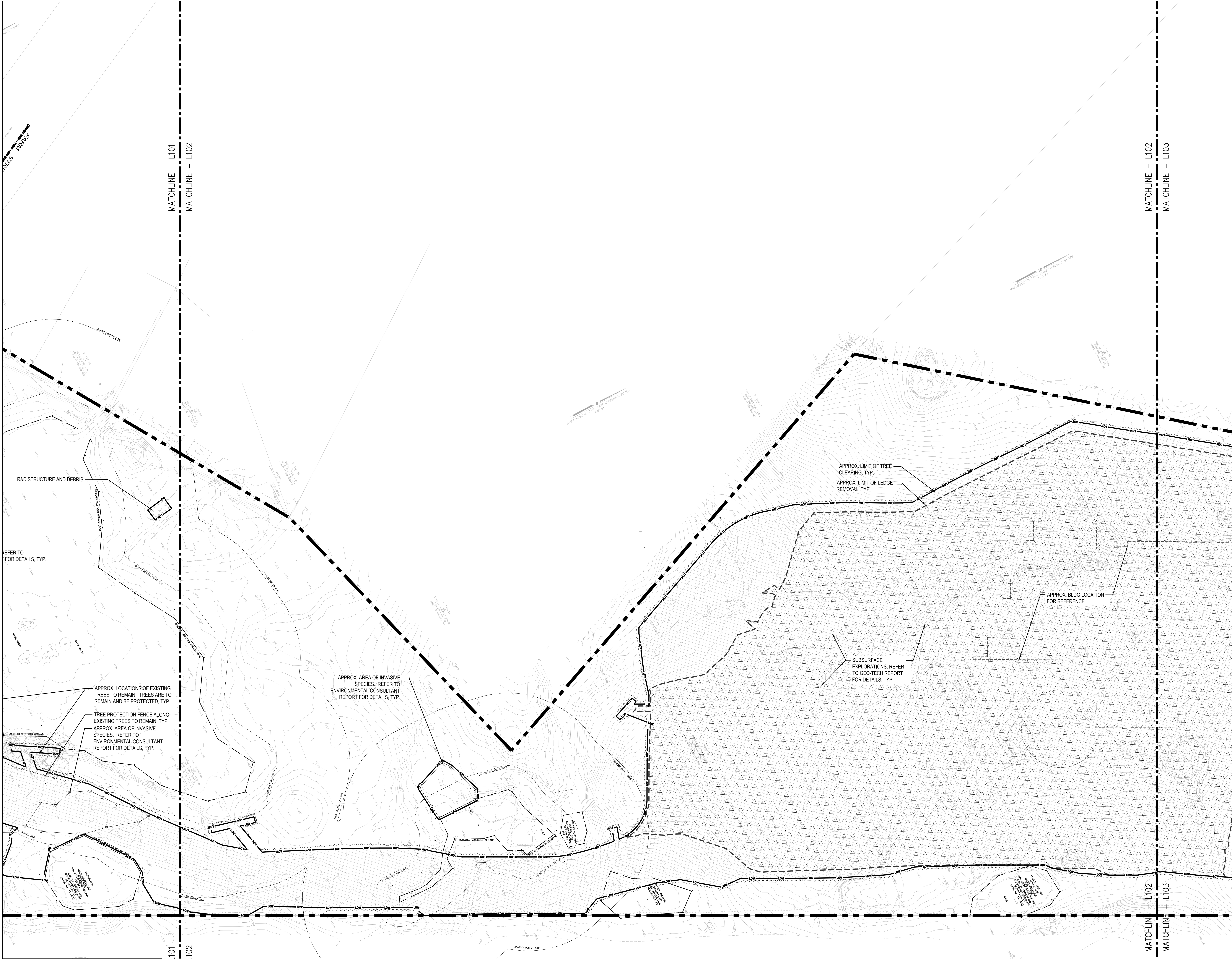
KEY PLAN

PROJECT NORTH
MAGNETIC NORTH



DEMO AND
SITE
PREPARATION
PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L101



REFER TO SHEET L101
FOR SITE PREPARATION
NOTES AND LEGEND

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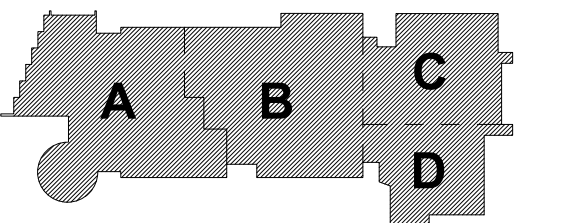
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KEY PLAN
PROJECT NORTH
MAGNETIC NORTH

DEMO AND
SITE
PREPARATION
PLAN - 2

Scale: 1" = 30'-0"	L102
Job No.: 20202.00	
Drawn By: JM/AA Date: August 28, 2023	

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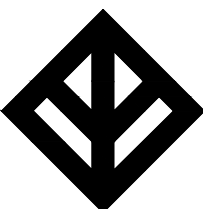
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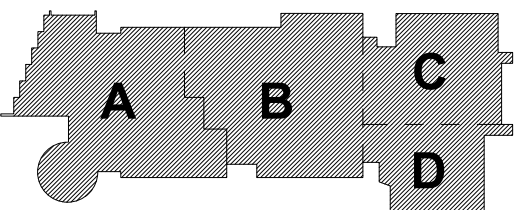


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KEY PLAN

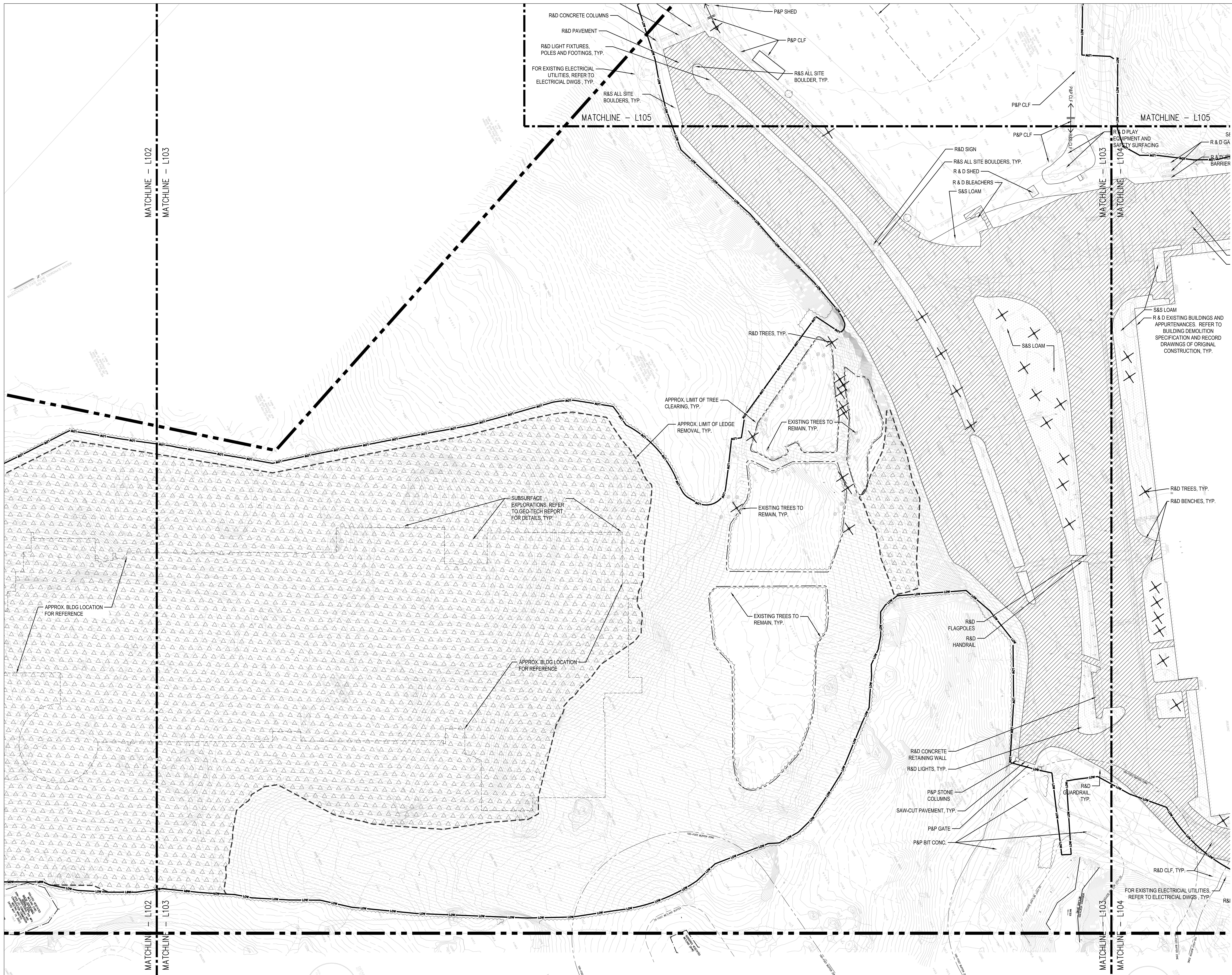
PROJECT NO.

MAGNETIC NORTH

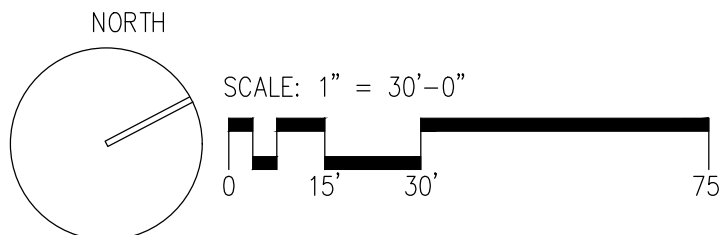
**DEMO AND
SITE
PREPARATION
PLAN - 3**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L103



**REFER TO SHEET L101
FOR SITE PREPARATION
NOTES AND LEGEND**



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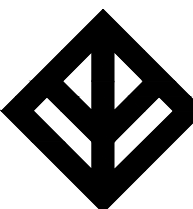
225 Oakland Road	260 Charles Street
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06074	02453

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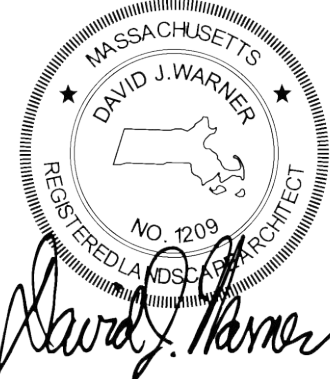
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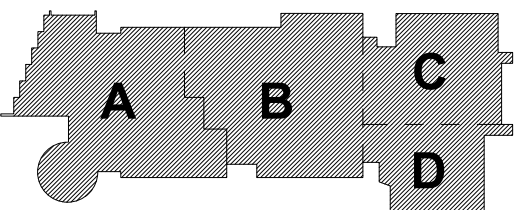


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BID SET

August 28, 2023



KEY PLAN

PROJECT NO.

MAGNETIC NORTH

**DEMO AND
SITE
PREPARATION
PLAN - 4**

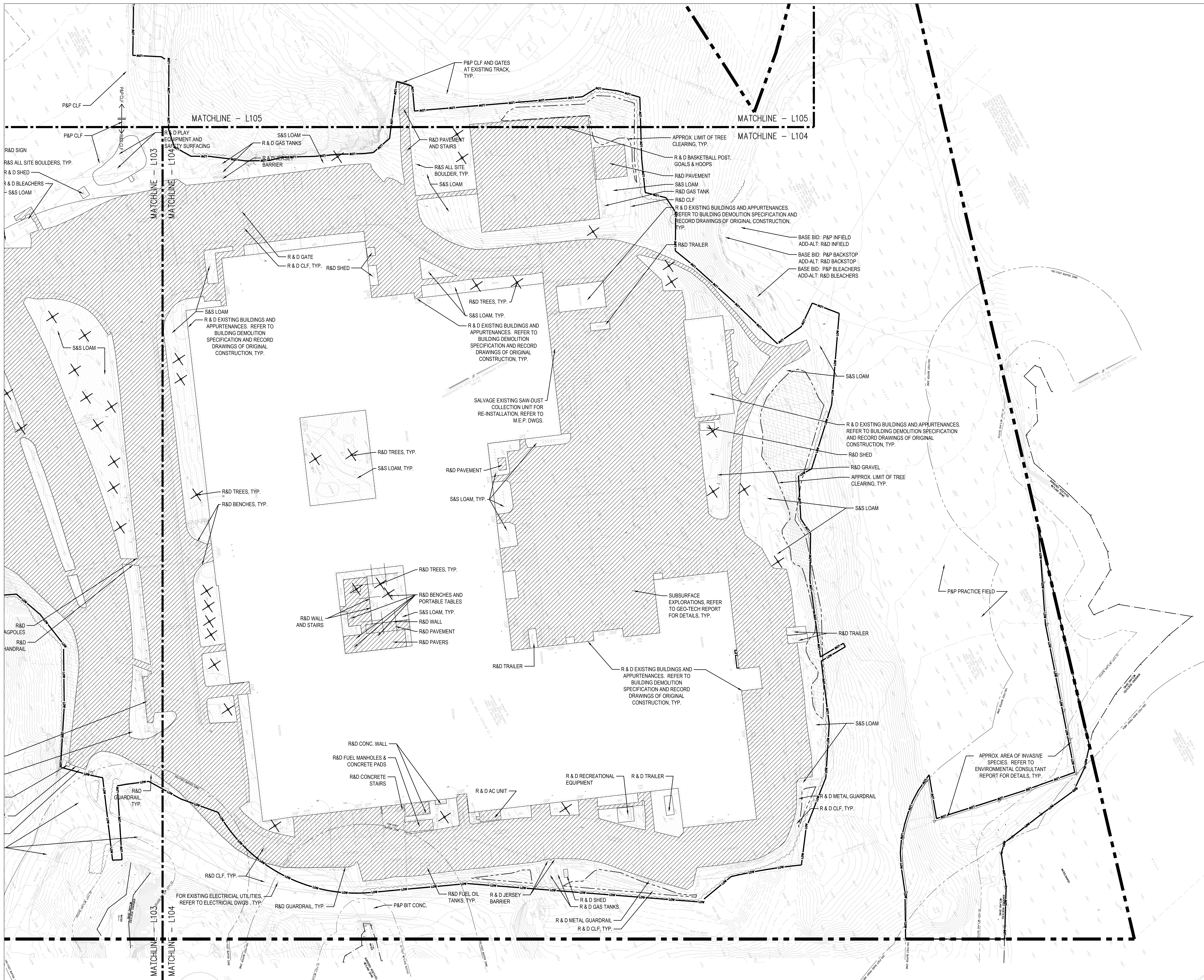
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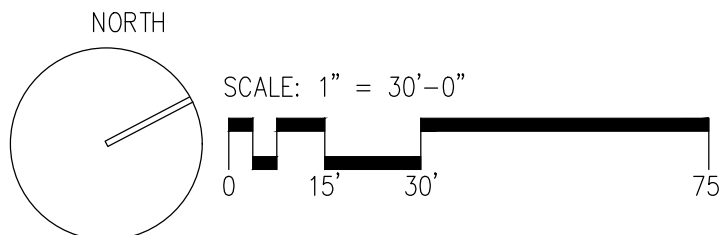
Job No.: 20202.00

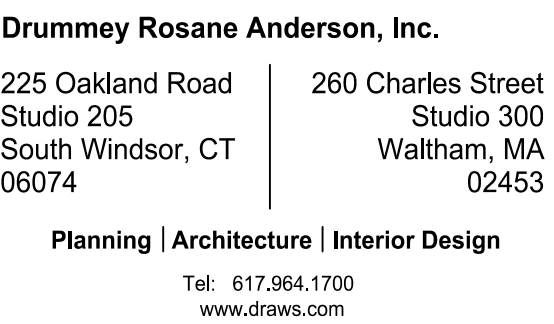
Drawn By: JM/A

L104



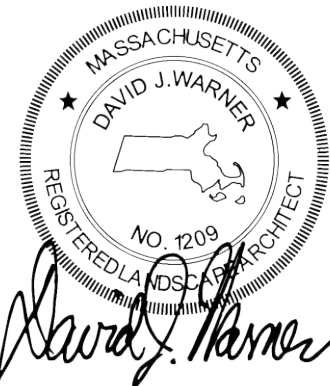
**REFER TO SHEET L101
FOR SITE PREPARATION
NOTES AND LEGEND**





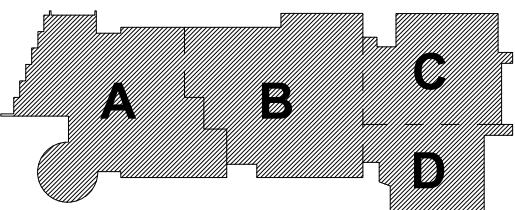
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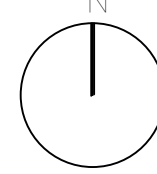
BID SET

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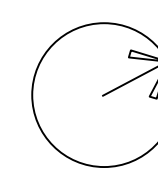


KEY PLAN

PROJECT NO. _____



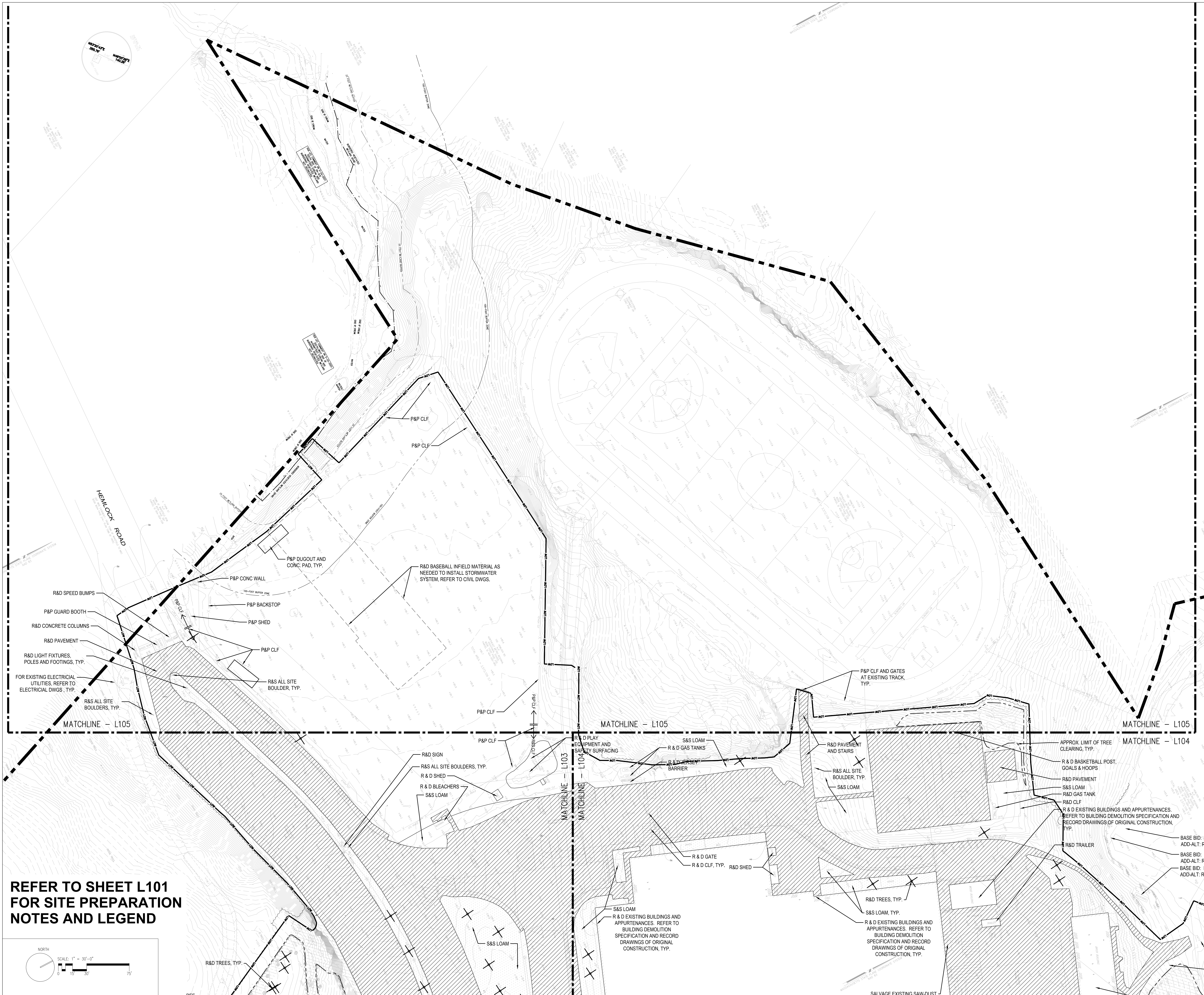
MAGNETIC NORTH



**DEMO AND
SITE
PREPARATION
PLAN - 5**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/A
Date: August 28, 2020

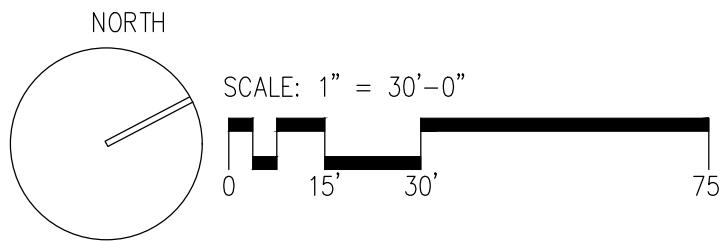
L105



- LAYOUT NOTES:
- EXISTING CONDITIONS INFORMATION IS FROM A SURVEY PERFORMED BY NITSCH ENGINEERING 2 CENTER STREET, SUITE 430 BOSTON, MA 02108, DATED JUNE 3, 2020.
 - CONTRACTOR SHALL STAKE OUT ALL SITE IMPROVEMENTS BOTH HORIZONTALLY AND VERTICALLY IN THE FIELD, AND SUCH STAKEOUT TO BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
 - DIMENSIONS TO CURB LINES ARE TO THE FACE OF THE CURB. DIMENSIONS TO SITE OR BUILDING WALLS ARE TO THE OUTSIDE (OR EXPOSED) FACE OF WALL UNLESS OTHERWISE NOTED.
 - ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED.
 - THE DIMENSIONS SHOWN ON THE DRAWINGS SHOW DESIGN INTENT AND MUST BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS.
 - ALL DIMENSIONS FOR LIGHTS AND SIGNS ARE TO THE CENTERLINE OF THE OBJECT UNLESS OTHERWISE NOTED.
 - PROVIDE EXPANSION JOINTS IN CONCRETE WALKS AT 30' O.C. AND CONTROL JOINTS AT 10' O.C. AS PER SPECIFICATIONS, UNLESS OTHERWISE INDICATED ON DRAWINGS.
 - ALL CURVES SHALL BE SMOOTH, CONTINUOUS RADII. NO STRAIGHT SECTIONS OR ABRUPT TRANSITIONS.

LEGEND:

	APPROXIMATE LIMIT OF WORK LINE
	CENTERLINE
	ALIGN
	POINT OF BEGINNING
	DIMENSION
	EASTING (X), NORTHING (Y) (US SURVEY FEET) XXXXXX, XXXXXX



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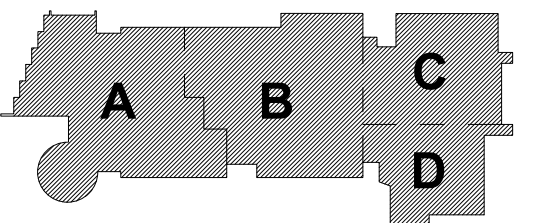
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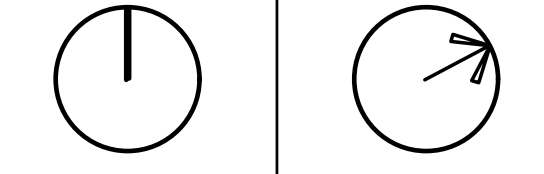
BID SET

August 28, 2023



KEY PLAN

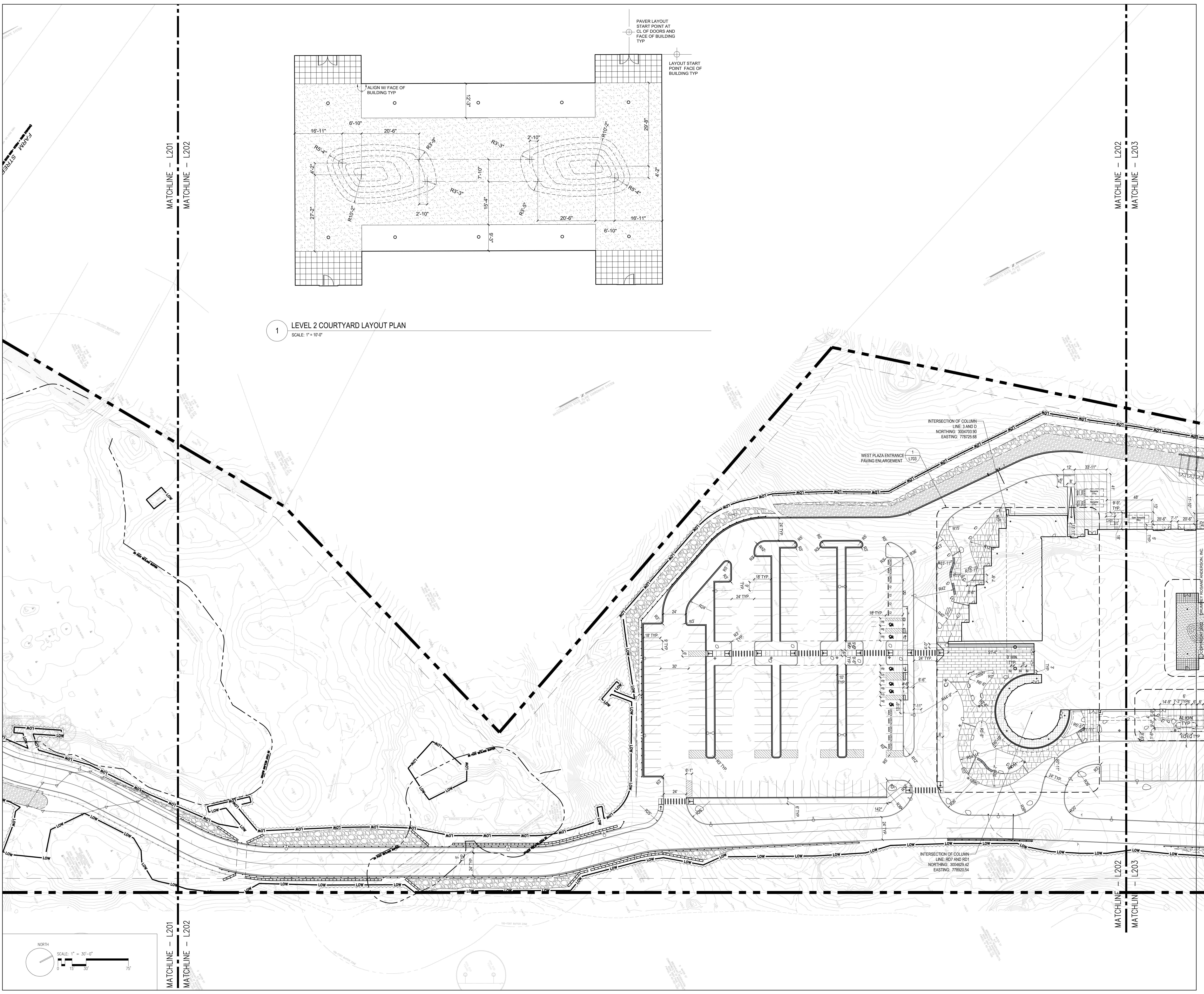
PROJECT NORTH MAGNETIC NORTH



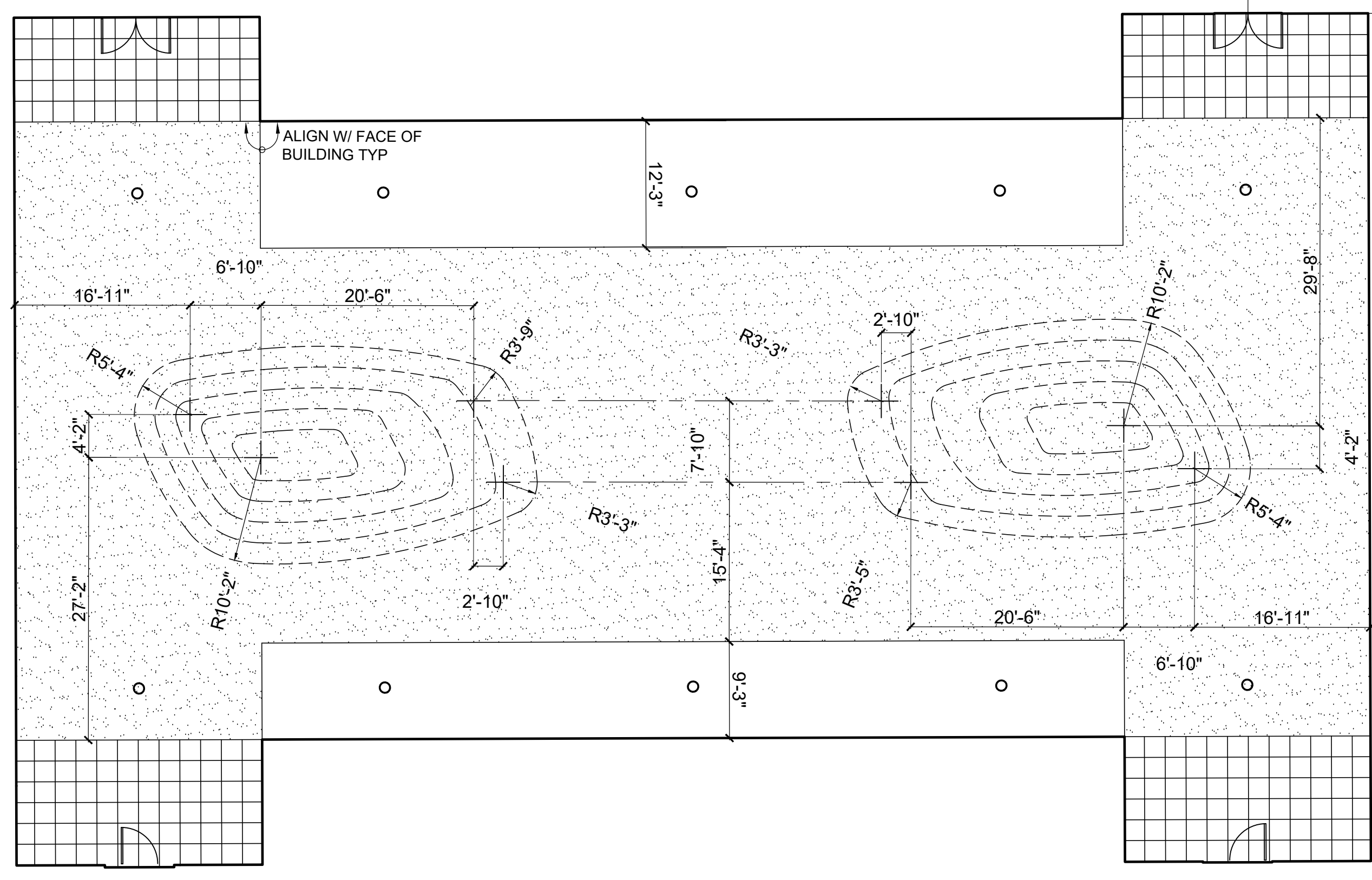
LAYOUT PLAN
- 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L201



1 LEVEL 2 COURTYARD LAYOUT PLAN
SCALE: 1" = 10'-0"

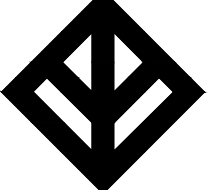


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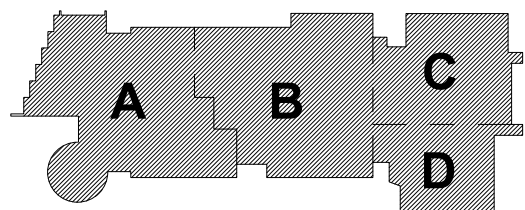
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DAVID J. WARNER
LANDSCAPE ARCHITECT
MASSACHUSETTS
LICENSED PROFESSIONAL
No. 0019

BID SET

August 28, 2023



KEY PLAN

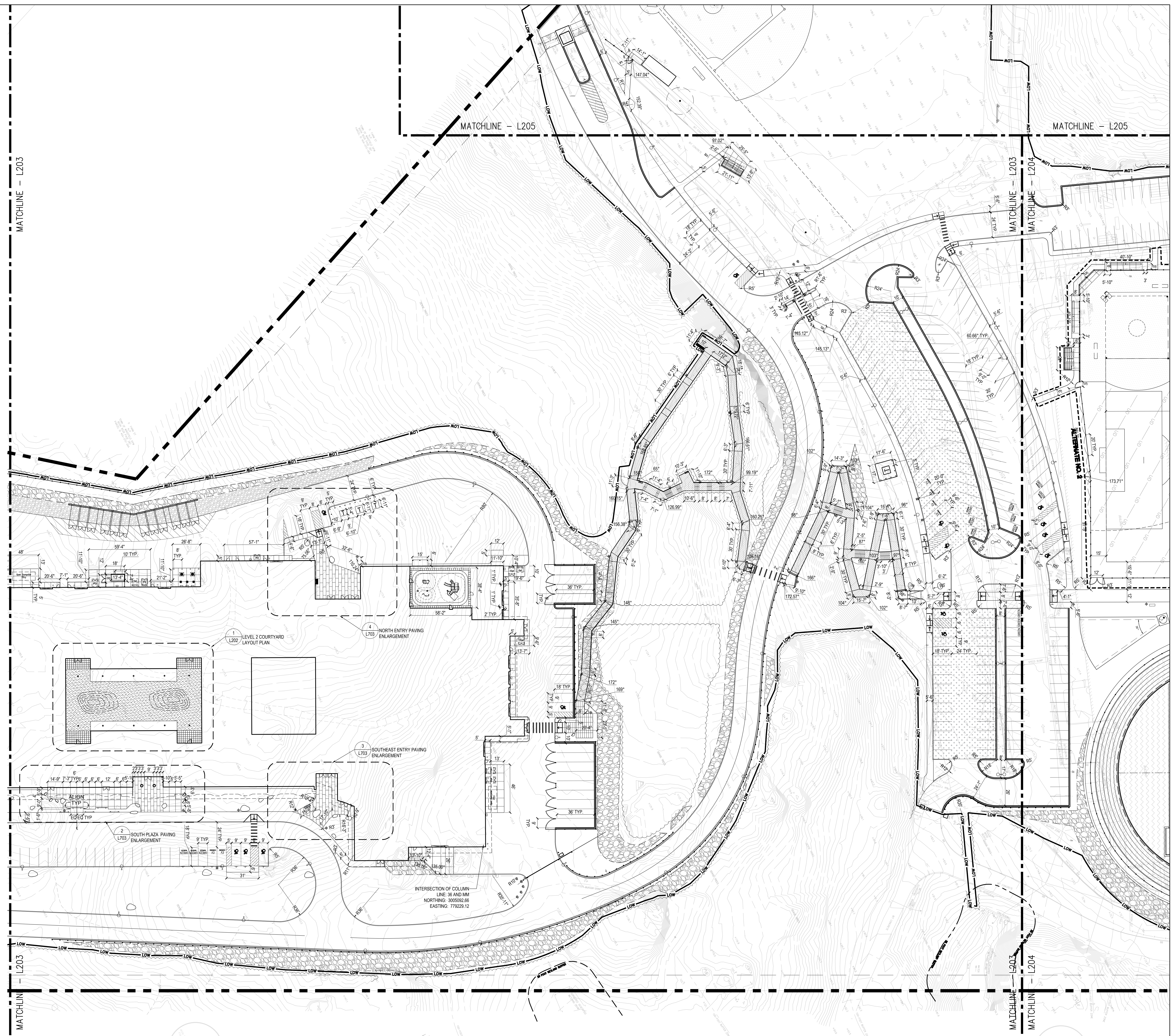
PROJECT NORTH

MAGNETIC NORTH

LAYOUT PLAN
- 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L202



MATCHLINE - L203

MATCHLINE - L205

MATCHLINE - L205

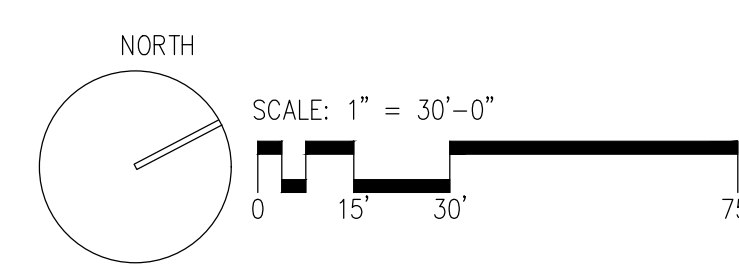
MATCHLINE - L203

MATCHLINE - L204

MATCHLINE - L203

MATCHLINE - L204

MATCHLINE - L203



DRA

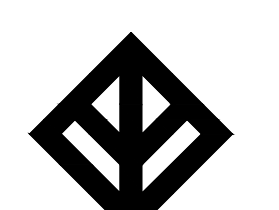
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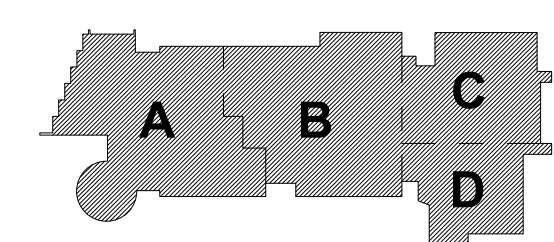

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David J. Warner

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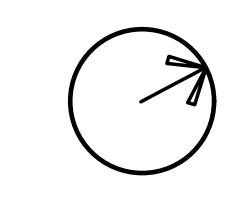
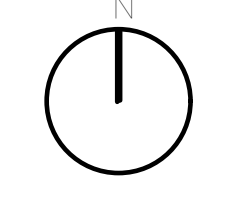
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August 28, 2023


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PROJECT NORTH

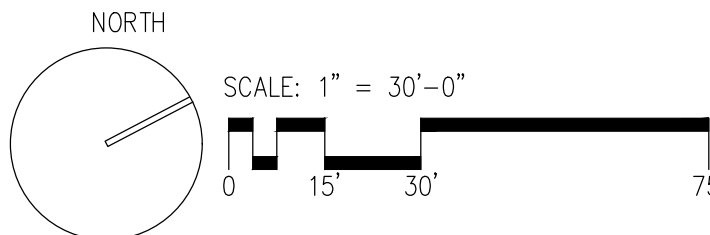
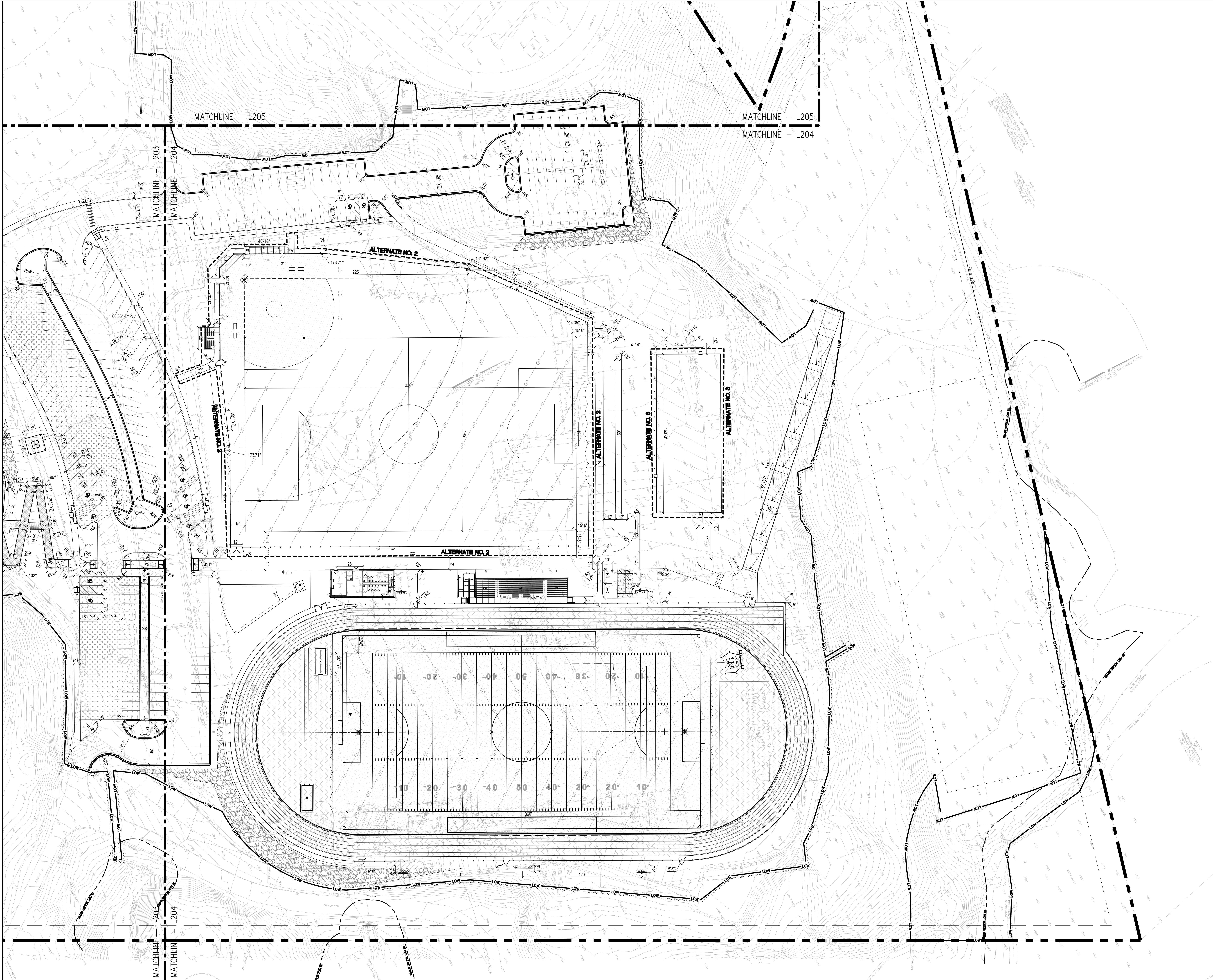
MAGNETIC NORTH



LAYOUT PLAN
- 3

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L203



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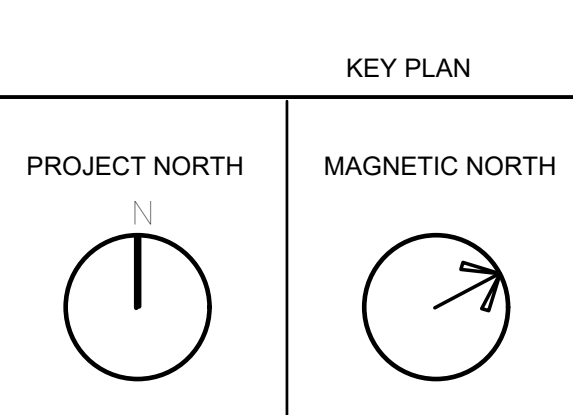
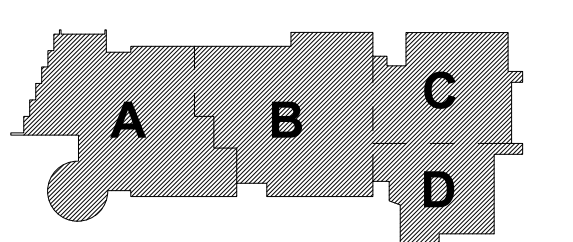
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**LAYOUT PLAN
- 4**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L204

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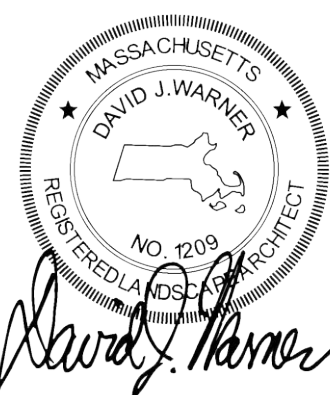
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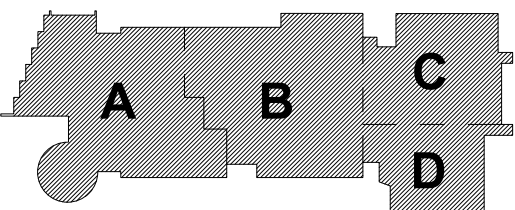
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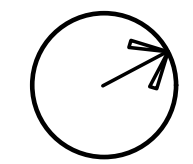
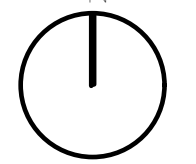
August 28, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



LAYOUT PLAN
- 5

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 20

L205

LEGEND:

APPROXIMATE LIMIT OF WORK

VGC (8) L601 VERTICAL GRANITE CURB

CCB (7) L601 FORMED ASPHALT CURB: CAPE COD BERM

CLF (9) L601 CHAIN LINK FENCE

(2) L601 VEHICULAR ASPHALT PAVING

(1) L601 ASPHALT WALKWAY PAVING

(4) L601 VEHICULAR CONCRETE PAVING

(3) L601 CONCRETE WALKWAY PAVING

(6) L602 GRANITE COBBLES - SEE SPECS

(6) L602 RIP-RAP SLOPE

POROUS ASPHALT - SEE CIVIL DWGS. FOR DETAIL

(9) L606 EXTENSIVE GREEN ROOF

PRE-ENGINEERED ELEVATED DECK BOARDWALK, SEE ENLARGEMENT PLANS ON L701-L702 AND DETAILS ON L607.

(16) L604 SKINNED INFIELD

(16) L604 RESILIENT TRACK SURFACING

(11) L603 CAFE TABLE AND CAFE WOOD SEATS, TYP. SEE SPECIFICATIONS

GABION SEAT WALL WITH WOOD TOPPER, SEE SPECIFICATIONS

RECYCLED PLASTIC PICNIC TABLE AND METAL CHAIRS, SEE SPECIFICATIONS

CHAIN LINK REGULAR SWING GATE

(4) L603 RECLAIMED GRANITE SEAT BLOCKS

(15) L603 BOULDERS (TYPE A, B, C.) - SEE SPECS

(3) L603 CONCRETE FILLED STEEL BOLLARD

ACCESSIBLE CURB LEGEND:

(13) L601 ACCESSIBLE CURB RAMP A

(13) L601 ACCESSIBLE CURB RAMP B

(13) L601 ACCESSIBLE CURB RAMP C

LIGHT LEGEND, SEE ELECTRICAL DWGS

ONE ARM DRIVEWAY LIGHT POLE AND FIXTURE

TWO ARM PARKING LIGHT POLE AND FIXTURE

BUILDING MOUNTED VEHICLE LIGHT FIXTURE

BOLLARD LIGHT

PEDESTRIAN SCALE LIGHT POLE AND FIXTURE

ABBREVIATIONS

SAD SEE ARCHITECTS DRAWINGS

SCD SEE CIVIL DRAWINGS

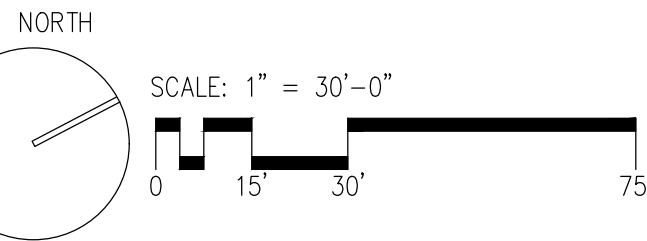
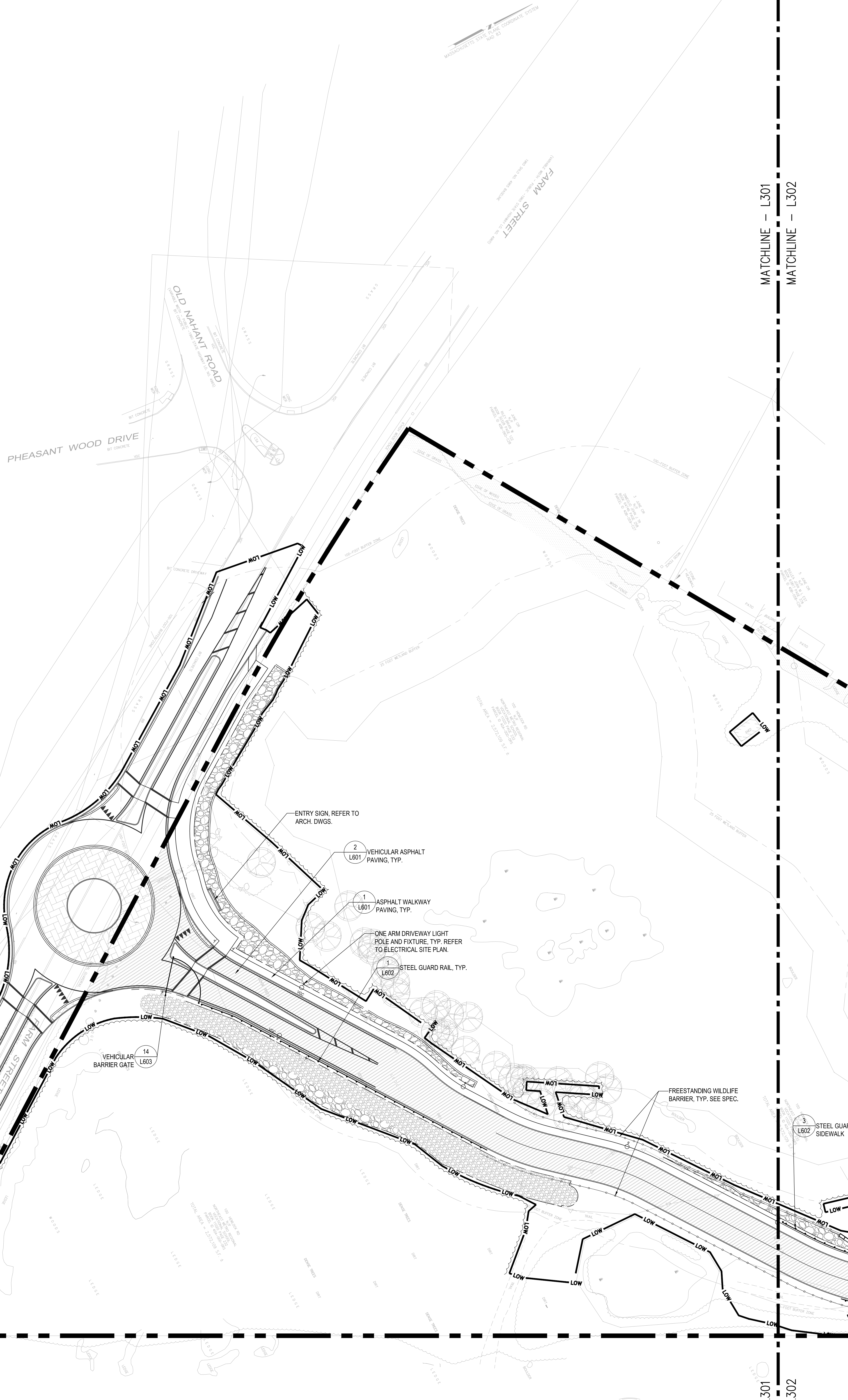
SPD SEE PLUMBING DRAWINGS

TYP TYPICAL

VIF VERIFY IN FIELD

MATERIAL NOTES:

- EXISTING CONDITIONS INFORMATION IS FROM A SURVEY PERFORMED BY NITSOH ENGINEERING 2 CENTER STREET, SUITE 430 BOSTON, MA 02108, DATED JUNE 3, 2020.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO STARTING WORK.
- CONTRACTOR SHALL NOTIFY DIGSAFE 1-888-DIG-SAFE AND VERIFY UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED TO ROADS, WALKS, UTILITIES, SITE IMPROVEMENTS, EXISTING OR PROPOSED, DAMAGED BY THIS PROJECT.
- ITEMS INDICATED AS "RELOCATED" ARE SALVAGED AND STORED FROM EXISTING SITE AND ARE TO BE INSTALLED BY THE GENERAL CONTRACTOR.
- ALL CONCRETE PADS AT EXTERIOR DOORS SHALL BE PINNED TO BUILDING FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO CONTINUING WORK.
- REFER TO L600 FOR PAVEMENT MARKINGS AND TRAFFIC SIGNAGE
- PLANTING AREAS (PA), BIORETENTION AREAS (BA), LOAM AND SEED AREAS (L&S) ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. PLEASE SEE PLANTING PLANS L500, L501 AND L502 FOR FINAL SURFACE TREATMENT AND ASSOCIATED SOIL DEPTHS AND CROSS SECTIONS
- REFER TO CIVIL PLANS FOR DETAILS ON DRAINAGE SYSTEM
- REFER TO ELECTRICAL SITE PLAN FOR SITE LIGHTING AND SITE ELECTRICAL SCOPE



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DAVID J. WARNER
LANDSCAPE ARCHITECT
No. 0197
David J. Warner

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August 28, 2023

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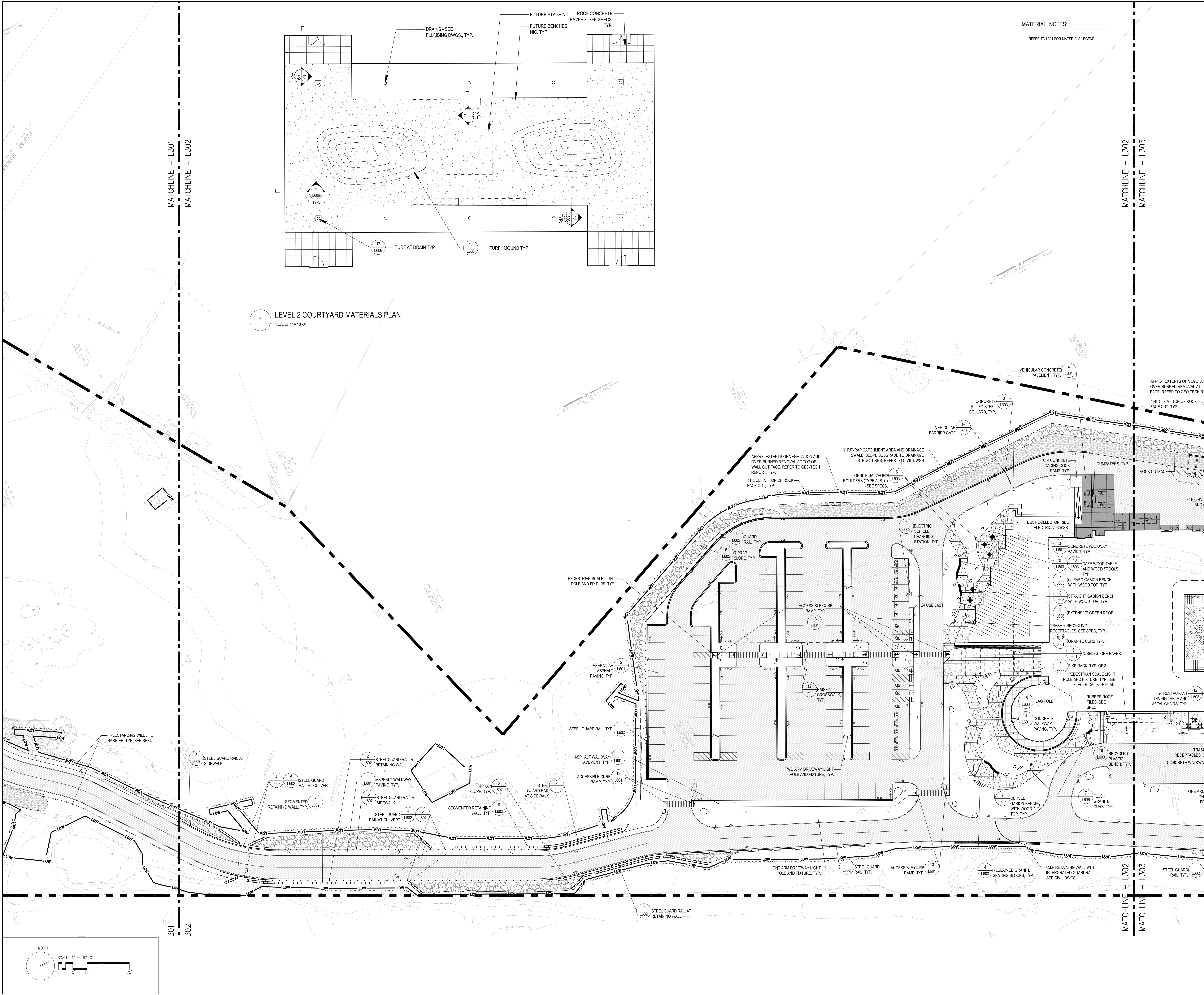
KEY PLAN

PROJECT NORTH MAGNETIC NORTH

MATERIALS PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L301



1 LEVEL 2 COURTYARD MATERIALS PLAN
SCALE: 1" = 10'-0"

MATERIAL NOTES:
1. REFER TO L301 FOR MATERIALS LEGEND

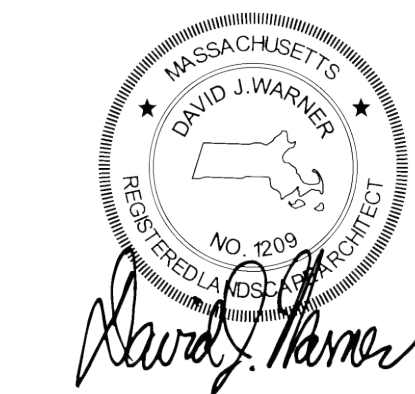


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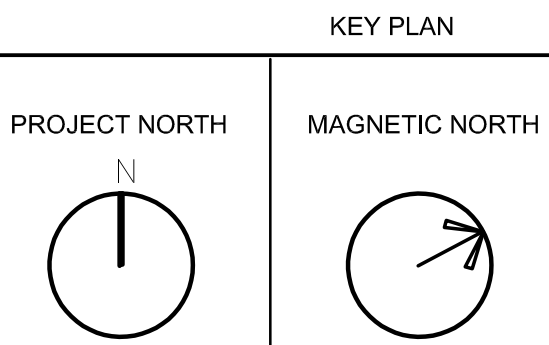
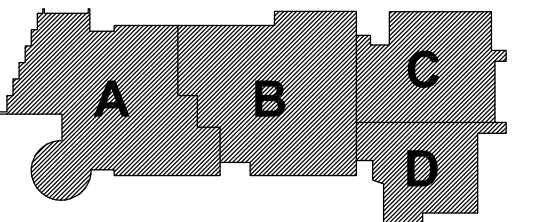
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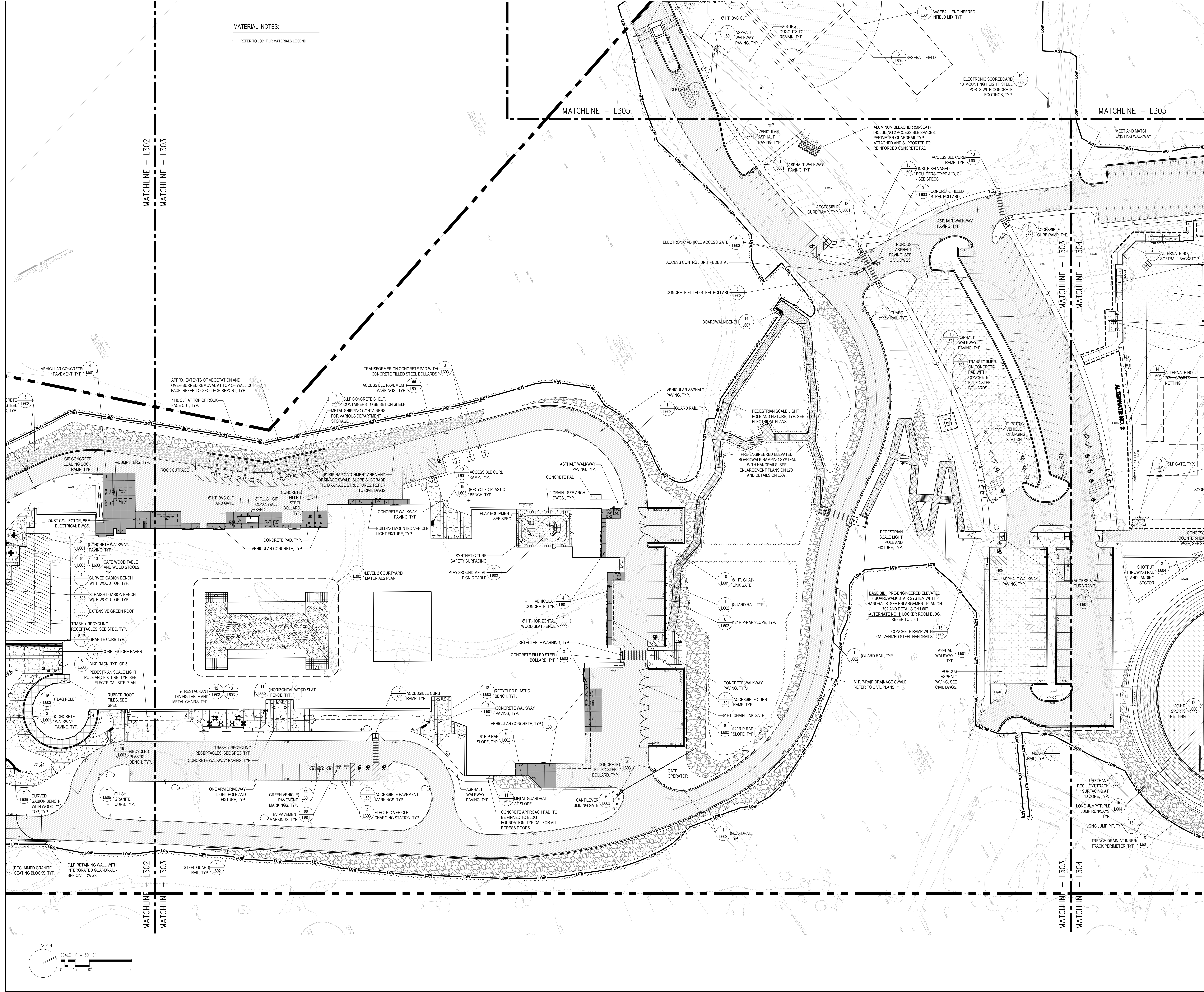
BID SET

August 28, 2023



**MATERIALS
PLAN - 2**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L302



MATERIAL NOTES:
1. REFER TO L301 FOR MATERIALS LEGEND

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KEY PLAN

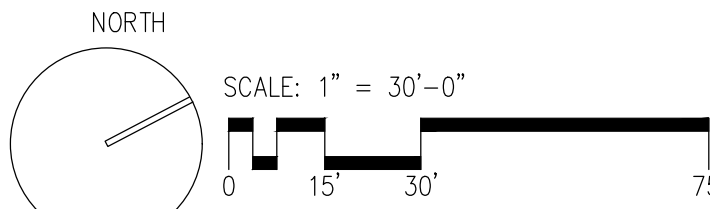
PROJECT NORTH

MAGNETIC NORTH

MATERIALS
PLAN - 3

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L303



Scale: 1" = 30'-0"
 No.: 20202.00
 Drawn By: JM/AA
 Date: August 28, 2023

L304

Scale: 1" = 30'-0"
 No.: 20202.00
 Drawn By: JM/AA
 Date: August 28, 2023

L304



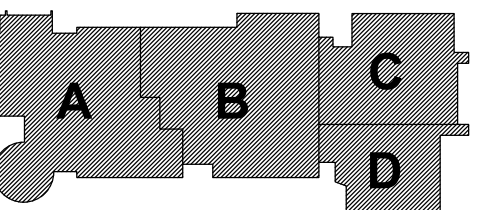
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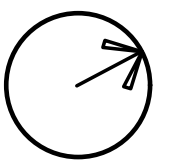
August 28, 2023



PLAN

PROJECT NORTH

MAGNETIC NORTH



**MATERIALS
PLAN - 5**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

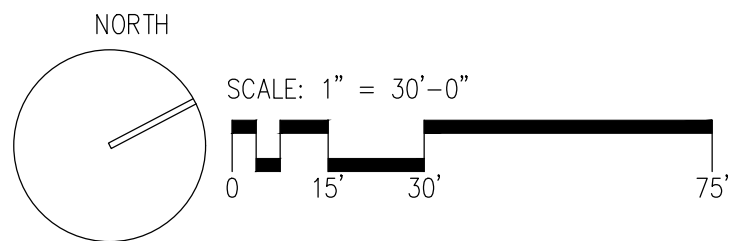
305

GRADING NOTES

- EXISTING CONDITIONS INFORMATION IS FROM A SURVEY PERFORMED BY NITSCH ENGINEERING 120 FRONT STREET, SUITE 820 WORCESTER, MA 01608, DATED JUNE 3, 2020.
- REFER TO DOCUMENT 003100-AVAILABLE PROJECT INFORMATION; FOR GEOTECHNICAL REPORT AND HAZARDOUS MATERIAL SUMMARY REPORT.
- REFER TO GEOTECHNICAL INFORMATION AND EARTH MOVING SPECIFICATION SECTION-321000 FOR ROCK AND LEDGE BLASTING AND/OR REMOVAL.
- REFER TO EARTH MOVING SPECIFICATION-312000, FOR DETAILS ON SUB-SOIL REMOVAL AND SUB-GRADE PREPARATION.
- CONTRACTOR SHALL STAKE OUT ALL SITE IMPROVEMENTS BOTH HORIZONTALLY AND VERTICALLY IN THE FIELD, AND SUCH STAKEOUT TO BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
- PROPOSED SPOT GRADES AND CONTOURS INDICATED ON THE THIS PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION.
- ALL CHANGES IN PAVEMENT MATERIALS SHALL BE FLUSH WITH EACH OTHER UNLESS OTHERWISE SHOWN.
- SEE CIVIL DRAWINGS FOR SUBSURFACE DRAINAGE SYSTEM.
- IF EXISTING TREE, UTILITIES OR STRUCTURES IMPEDE EXCAVATION ACTIVITIES IN ANY MANNER, CONTRACTOR SHALL INFORM THE ARCHITECT AND OWNER PRIOR TO CONTINUING WITH CONSTRUCTION ACTIVITIES.
- SLOPES SHALL NOT EXCEED 3:1 SLOPE EXCEPT AS SHOWN ON THE PLANS.
- EXTERIOR CONCRETE PAVING AT DOOR THRESHOLDS SHALL BE FLUSH WITH FINISH FLOOR ELEVATION (UNLESS OTHERWISE SHOWN) AND SHALL SLOPE AT 1.5% PITCH AWAY FROM THE BUILDING. REFER TO STRUCTURAL DRAWINGS FOR DETAIL OF PAVEMENT / BUILDING CONNECTION.
- ALL PAVED WALKWAY AREAS, PLAZAS, CROSSWALKS, ACCESSIBLE PARKING SPACES, AND ASSOCIATED ACCESS AISLES AND ACCESSIBLE ROUTES SHALL BE GRADED SUCH THAT THEY ARE IN FULL COMPLIANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD RULES AND REGULATIONS. CROSS SLOPES ON PAVED WALKWAYS AND PLAZAS ARE DESIGNED AT 1.5% SLOPE AND SHALL NOT EXCEED 2% OR BE LESS THAN 1%.

LEGEND:

	APPROXIMATE LIMIT OF WORK LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SWALE
	RIP-RAP FILL SLOPE (1:1)
	RIP-RAP SWALE
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPOSED SLOPE
	TOP OF STAIR BOTTOM OF STAIR TOP OF WALL BOTTOM OF WALL SPILLWAY TOP OF CURB BOTTOM OF CURB DOOR THRESHOLD HIGH POINT LOW POINT RIM ELEVATION
	UNDER DRAIN "UD" (DETAIL REFERENCE)



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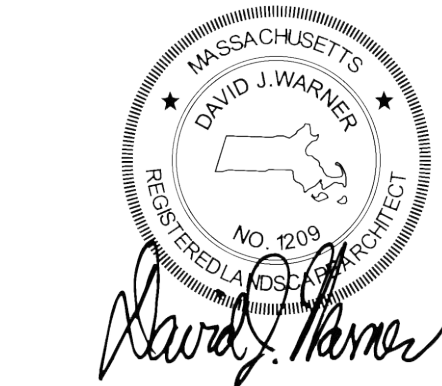
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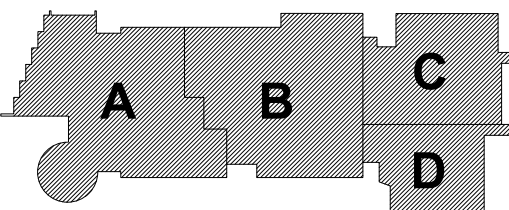
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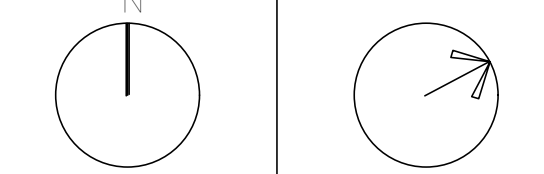
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August 28, 2023



KEY PLAN

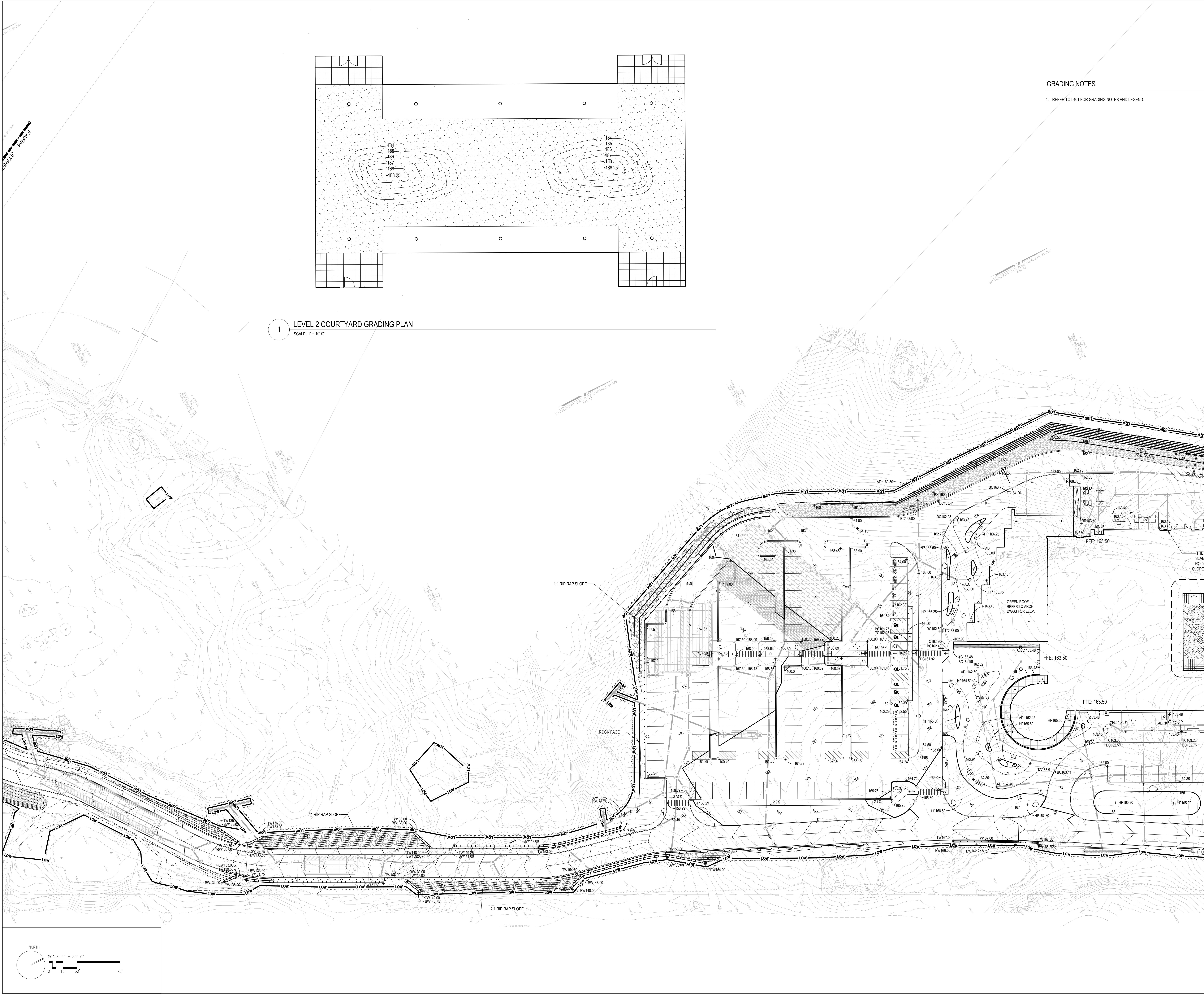
PROJECT NORTH MAGNETIC NORTH



GRADING
PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L401



1 LEVEL 2 COURTYARD GRADING PLAN
SCALE: 1" = 10'-0"

GRADING NOTES

1. REFER TO L401 FOR GRADING NOTES AND LEGEND.

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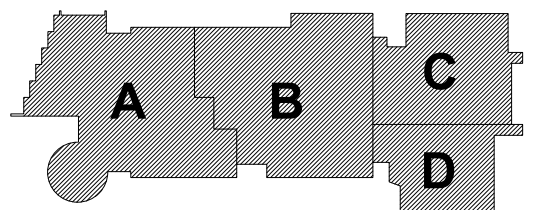
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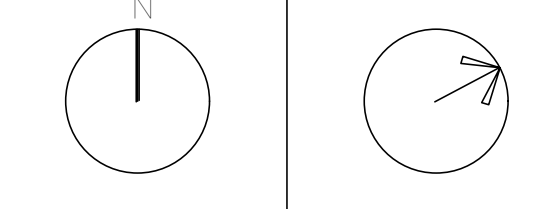
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August 28, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

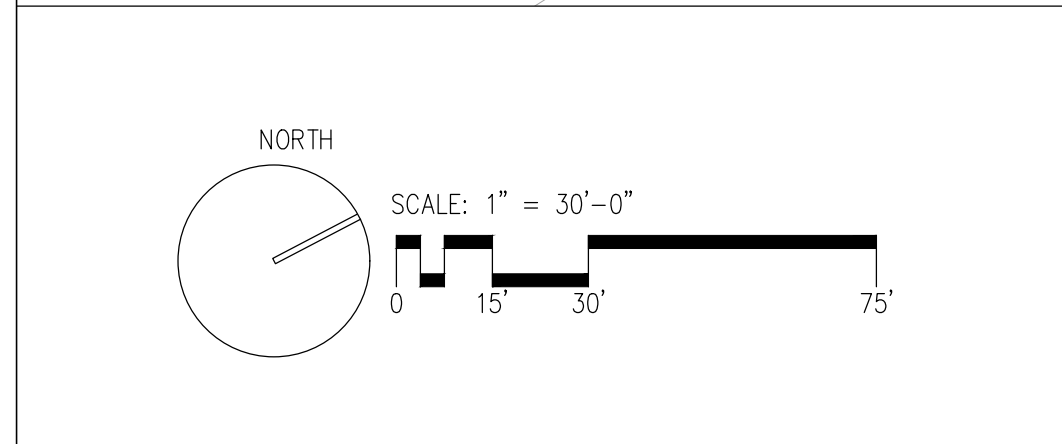
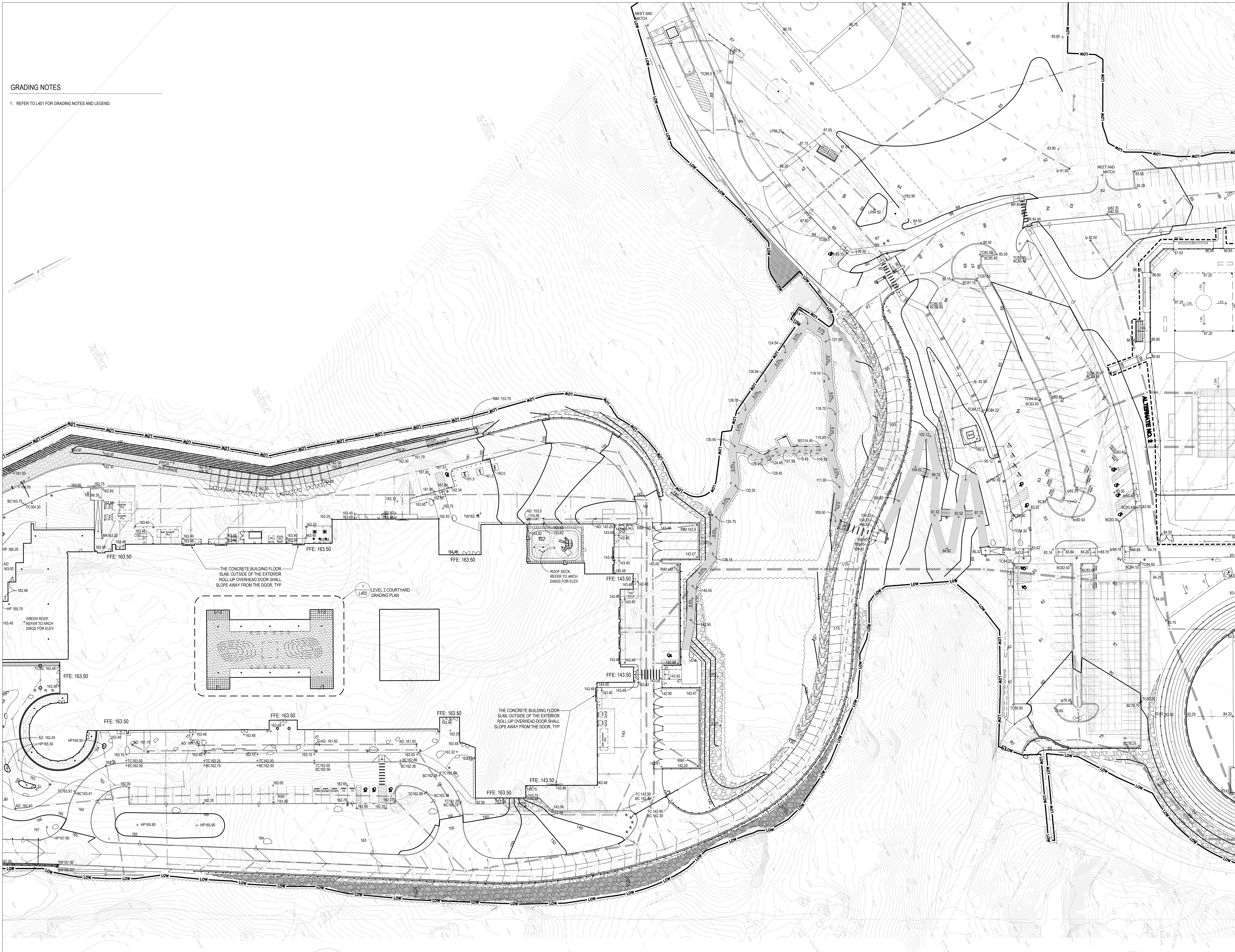


GRADING
PLAN - 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L402

GRADING NOTES

1. REFER TO L401 FOR GRADING NOTES AND LEGEND.



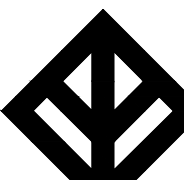
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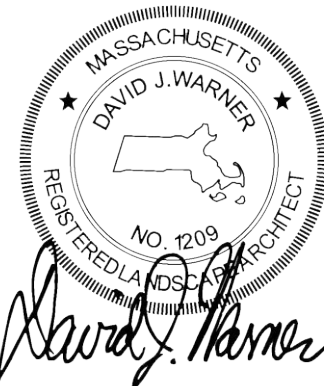
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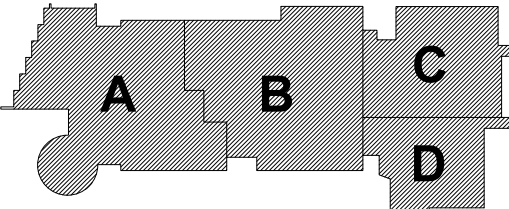


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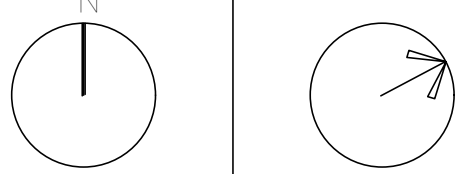
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KEY PLAN

PROJECT NORTH
MAGNETIC NORTH



GRADING
PLAN - 3

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L403

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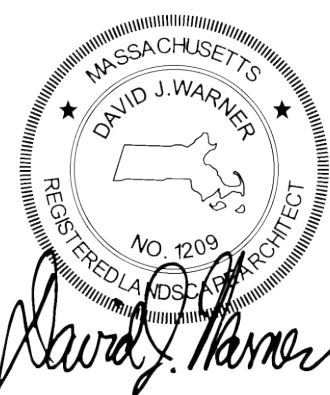
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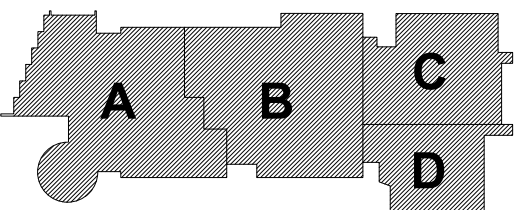


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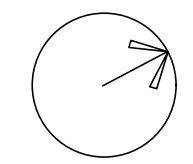
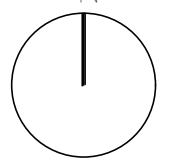
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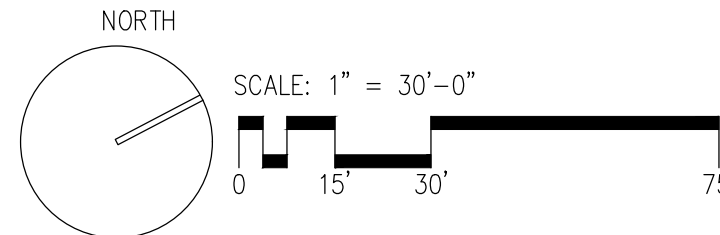
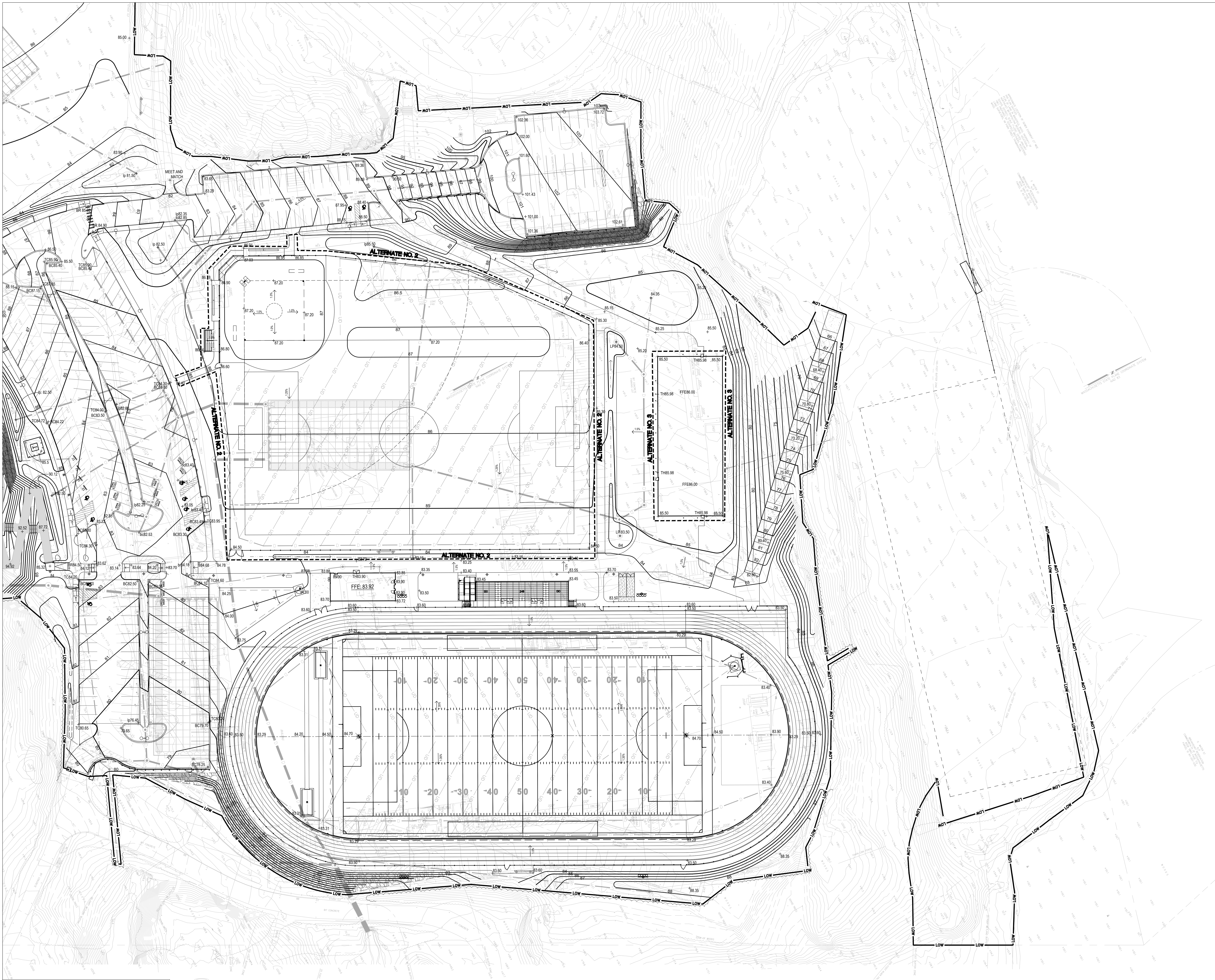
MAGNETIC NORTH



GRADING PLAN - 4

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

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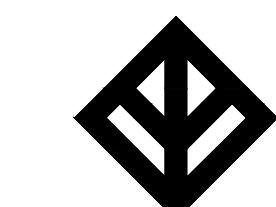
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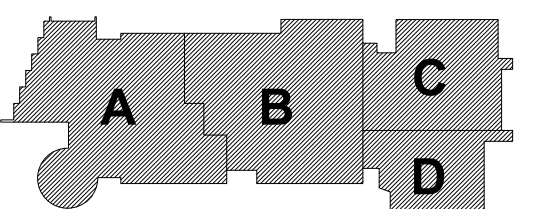


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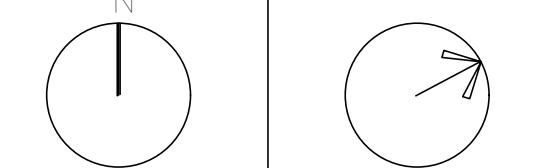
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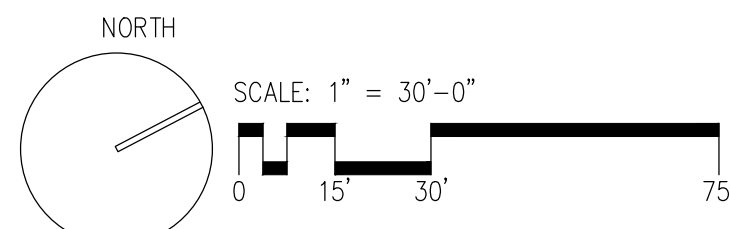
KEY PLAN

PROJECT NORTH	MAGNETIC NORTH
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GRADING PLAN - 5

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023



PLANT SCHEDULE						
TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
OR3	3	Quercus rubra	Red Oak	1" Cal.		
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
AO	3	Acer rubrum 'October Glory'	October Glory Red Maple	3.0-3.5' cal. B&B		
AR	4	Acer rubrum 'Redpointe'	Redpointe Maple	2.5-3' cal. B&B	Native	
AR2	3	Acer rubrum	Red Maple	1" Cal.		
AS	11	Acer saccharum	Sugar Maple	2.5' Cal.	Green Mountain or Fall Fiesta Cultivars	
AS2	4	Acer saccharum	Sugar Maple	0.75' Cal.		
BN	9	Betula nigra 'Cully' TM	Heritage Birch	10-12' Ht. B&B	Clump	
BP	28	Betula populifolia 'Whitespire'	Whitespire Birch	12-14' Ht. B&B	Clump, Native	
BP2	3	Betula populifolia	Gray Birch	7-8' Ht. B&B	Clump	
BU	8	Betula papyrifera 'Ulenco' TM	Renaissance Upright Paper Birch	10-12' Ht. B&B	Multi-Clump	
CO	7	Carya ovata	Shagbark Hickory	1" Cal.		
CO2	5	Carya ovata	Shagbark Hickory	2-2.5' cal. B&B		
GS	10	Gleditsia triacanthos inermis 'Skyline'	Skyline Honey Locust	2-2.5' cal. B&B		
MG2	5	Metasequoia glyptostroboides	Dawn Redwood	3' Cal.		
OB	3	Quercus bicolor	Swamp White Oak	3' Cal.		
OC	2	Quercus coccinea	Scarlet Oak	2" Cal.		
OP	2	Quercus palustris	Pin Oak	3' Cal.	Native	
OR	7	Quercus rubra	Red Oak	2.5-3' cal. B&B	Native	
SA	2	Sassafras albidum	Sassafras	2" Cal.		
TA	5	Tilia americana 'Legend'	Linden	3.0-3.5' cal. B&B	High Branched	
UA	5	Ulmus americana 'Jefferson'	American Elm	2.5-3' cal. B&B	Valley Forge acceptable cultivar	
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
JV	7	Juniperus virginiana	Eastern Red Cedar	7-8' Ht. B&B		
PS	12	Pinus strobus	White Pine	8-10' Ht. B&B	Native Evergreen	
PS2	17	Pinus strobus	White Pine	6-7' cal. B&B		
PS4	12	Pinus strobus	White Pine	3' Ht.		
NATIVE RESTORATION PLANTS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
QA2	4	Quercus alba	White Oak	0.75' Cal.		
OR2	7	Quercus rubra	Red Oak	1" Cal.		
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
AD	4	Amelanchier arborea	Downy Serviceberry	4.5-5' Ht. B&B		
CCI	7	Crataegus crus-galli 'Inermis'	Thornless Hawthorn	2.5' Cal.	Winter Interest	
MD	3	Malus x Donald Wyman	Donald Wyman Crabapple	2-2.5' cal. B&B		
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
RG	13	Rhus glabra	Smooth Sumac	2 gal.		
RT	33	Rhus typhina	Staghorn Sumac	7 gal.		
RT2	10	Rhus typhina	Staghorn Sumac	2 gal.		
VA2	27	Vaccinium angustifolium	Lowbush Blueberry	2 gal.		
VM	15	Viburnum acerifolium	Mapleleaf Viburnum	5 gal.		
NATIVE RESTORATION PLANTS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
HV	10	Hamelis virginiana	Common Witch Hazel	4/5' Ht. B&B	Sapling	
VH	3	Vaccinium corymbosum	Highbush Blueberry	#2		
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	DETAIL	REMARKS
DP	641	Dennstaedtia punctilobula	Hay-scented Fern	1 gal.		
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	DETAIL	REMARKS
RA	202	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	1 gal.		3' O.C.

SEED MIX SPECIFICATIONS

BUFFER ZONE PLANTING AREA SEED MIX COMPOSITION

PREFERRED MIX: 'NEW ENGLAND EROSION CONTROL / RESTORATION MIX FOR DRY SITES' OR EQUIVALENT

Elymus canadensis (Canada Wild Ryd)
Festuca rubra (Red Fescue)
Lolium multiflorum (Annual Ryegrass)
Lolium perenne (Perennial Ryegrass)
Schizachyrium scoparium (Little Bluestem)
Panicum virgatum (Switch Grass)
Sorghastrum nutans (Indian Grass)

PLANTING NOTES

- CONTRACTOR SHALL STAKE PLANT LOCATIONS TO BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. FINAL LOCATIONS TO BE CONFIRMED IN FIELD.
- ALL PLANT MATERIAL AND PLANTING PROCEDURES SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN NURSERYMAN'S ASSOCIATION.
- ALL PLANTS SHALL BE BALLED IN BURLAP UNLESS OTHERWISE INDICATED ON THE PLANT SCHEDULE.
- CONTRACTOR SHALL LOCATE AND VERIFY EXISTING AND NEW UNDERGROUND UTILITY LOCATIONS PRIOR TO PLANTING.
- CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND SPREADING TOPSOIL (6" MINIMUM FINISHED DEPTH). FINE GRADING AND SEEDING ANY AREAS DESIGNATED ON PLAN AND ANY AREAS DISTURBED DURING THE CONSTRUCTION AND NOT OTHERWISE DEVELOPED UNDER THIS CONTRACT BOTH WITHIN AND OUTSIDE OF THE LIMIT OF WORK LINE.
- ALL PLANT BEDS SHALL RECEIVE 3" DEPTH OF PINE BARK MULCH EXCEPT AS OTHERWISE SHOWN.
- PROVIDE EROSION CONTROL MATTING AT ALL SEEDED SLOPES 3:1 V AND STEEPER AND ALONG BOTTOM OF ALL SWALES IMMEDIATELY AFTER FINE GRADING AND SEEDING.

INVASIVE SPECIES MANAGEMENT AND/OR BUFFER ZONE PLANTING AREA #1			
QTY	BOTANICAL NAME	COMMON NAME	SIZE
19	<i>Hamelis virginiana</i>	Common Witch Hazel	#2
16	<i>Pinus strobus</i>	White Pine	2' ht.
3	<i>Quercus alba</i>	White Oak	0.75" cal.
12	<i>Quercus rubra</i>	Red Oak	1" cal.
12	<i>Vaccinium corymbosum</i>	Highbush Blueberry	#2

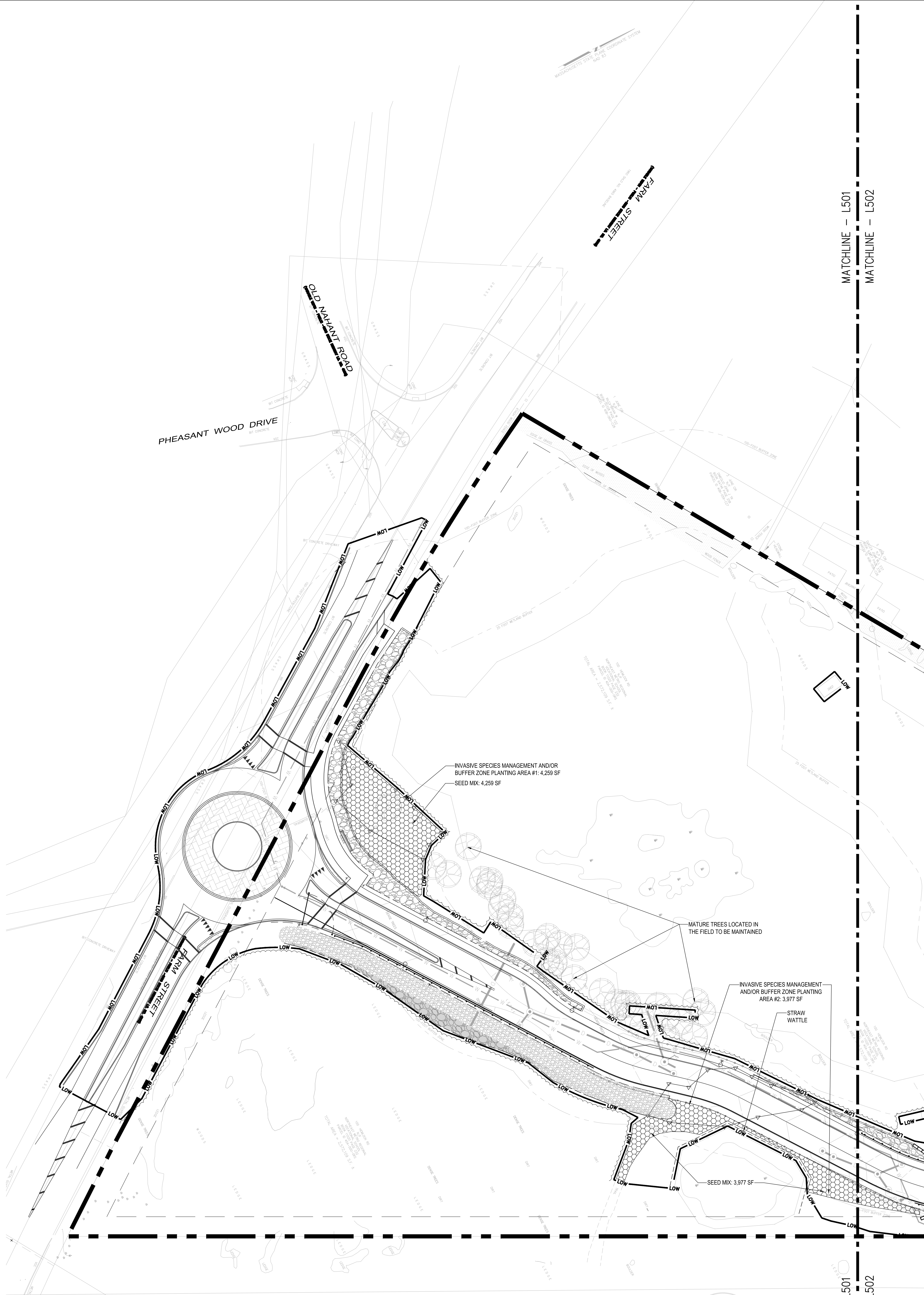
INVASIVE SPECIES MANAGEMENT AND/OR BUFFER ZONE PLANTING AREA #2			
QTY	BOTANICAL NAME	COMMON NAME	SIZE
3	<i>Acer rubrum</i>	Red Maple	1" cal
11	<i>Hamelis virginiana</i>	Common Witch Hazel	#2
9	<i>Pinus strobus</i>	White Pine	2' ht.
4	<i>Quercus alba</i>	White Oak	0.75" cal.
6	<i>Quercus rubra</i>	Red Oak	1" cal.
13	<i>Vaccinium corymbosum</i>	Highbush Blueberry	#2

INVASIVE SPECIES MANAGEMENT AND/OR BUFFER ZONE PLANTING AREA #3			
QTY	BOTANICAL NAME	COMMON NAME	SIZE
14	<i>Hamelis virginiana</i>	Common Witch Hazel	#2
8	<i>Pinus strobus</i>	White Pine	2' ht.
4	<i>Quercus alba</i>	White Oak	0.75" cal.
3	<i>Quercus rubra</i>	Red Oak	1" cal.
12	<i>Vaccinium corymbosum</i>	Highbush Blueberry	#2

INVASIVE SPECIES MANAGEMENT AND/OR BUFFER ZONE PLANTING AREA #4			
0-25 FOOT BUFFER ZONE			
QTY	BOTANICAL NAME	COMMON NAME	SPACING
8	<i>Acer rubrum</i>	Red Maple	10-12' O.C.
8	<i>Ainus incana</i>	Spotted Alder	6' O.C., clustered
5	<i>Amelanchier canadensis</i>	Serviceberry	6' O.C., clustered
8	<i>Viburnum dentatum</i>	Northern Arrowwood	6' O.C., clustered
5	<i>Cornus sericea</i>	Red-Osier Dogwood	6' O.C., clustered
5	<i>Pratinis melanocarpa</i>	Black Chokeberry	6' O.C., clustered
8	<i>Vaccinium corymbosum</i>	Highbush Blueberry	6' O.C., clustered
25-100 FOOT BUFFER ZONE			
12	<i>Quercus rubra</i>	Red oak	10-12' O.C.
9	<i>Quercus alba</i>	White oak	10-12' O.C.
7	<i>Acer saccharum</i>	Sugar Maple	10-12' O.C.
9	<i>Acer rubrum</i>	Red Maple	10-12' O.C.
15	<i>Viburnum lentago</i>	Nannyberry	6' O.C., clustered
8	<i>Hamelis virginiana</i>	Witch Hazel	6' O.C., clustered
11	<i>Viburnum acerfolium</i>	Maple Leaf Viburnum	6' O.C., clustered
13	<i>Vaccinium corymbosum</i>	Highbush Blueberry	6' O.C., clustered

INVASIVE SPECIES MANAGEMENT AND/OR BUFFER ZONE PLANTING NOTES:

- ALL BUFFER ZONE PLANTINGS TO BE LOCATED IN FIELD BY LANDSCAPE ARCHITECT.



DRA

Drummeay Rosane Anderson, Inc.
225 Oakland Road
Studio 205
South Windsor, CT 06074
Tel: 817.964.1700
www.dra.com

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Studio 300
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MASSACHUSETTS
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NO. 0019
David J. Warner
David J. Warner

BID SET
August 28, 2023

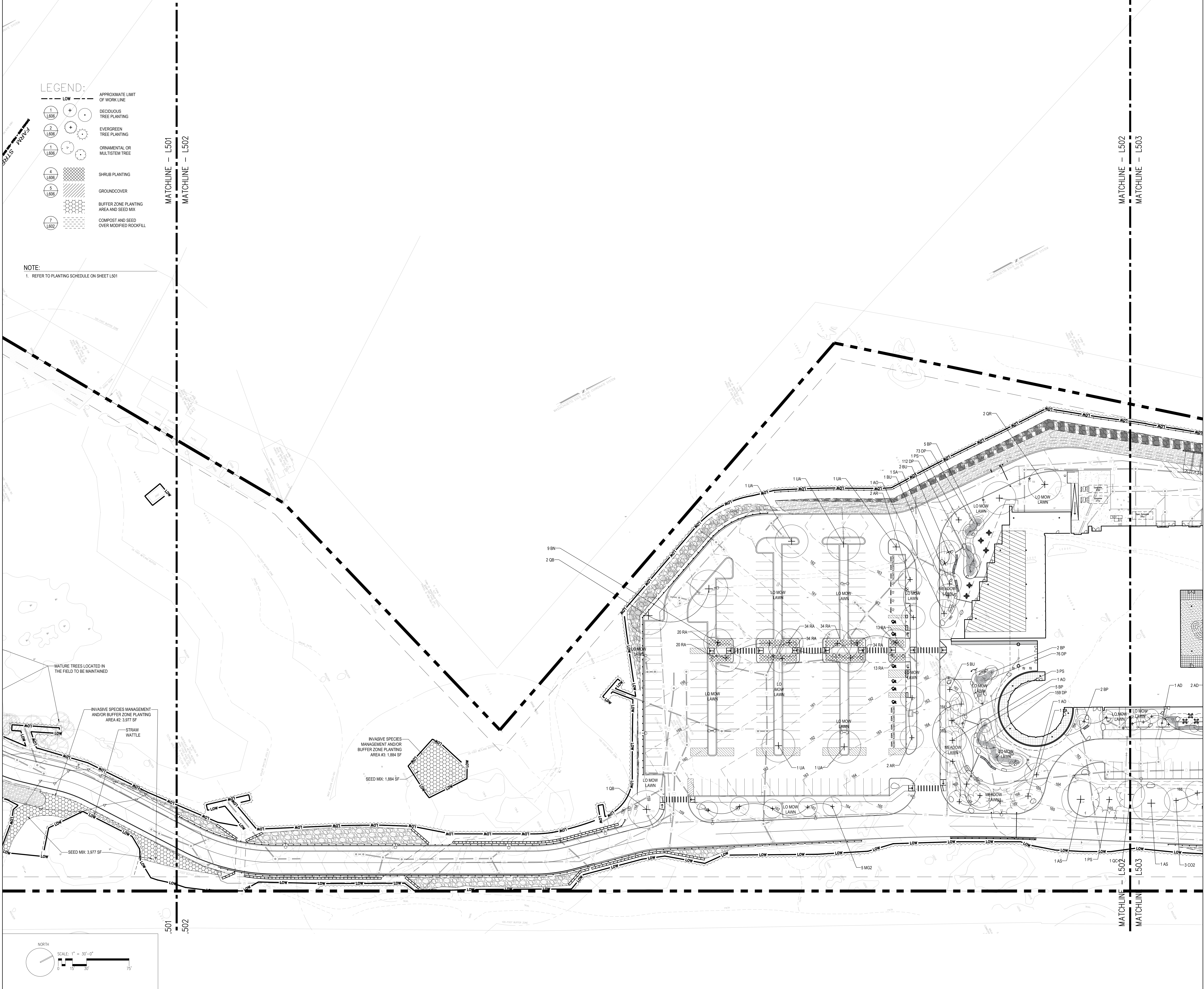
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KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

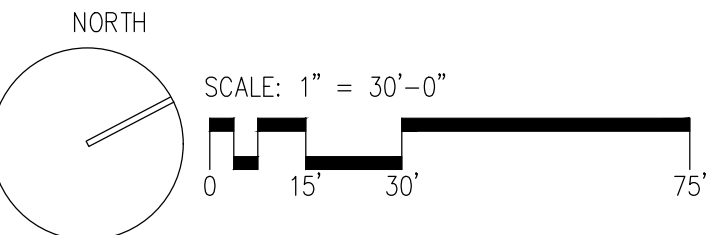
PLANTING PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L501



- LEGEND:**
- APPROXIMATE LIMIT OF WORK LINE
 - DECIDUOUS TREE PLANTING
 - EVERGREEN TREE PLANTING
 - ORNAMENTAL OR MULTISTEM TREE
 - SHRUB PLANTING
 - GROUND COVER
 - BUFFER ZONE PLANTING AREA AND SEED MIX
 - COMPOST AND SEED OVER MODIFIED ROCKFILL

NOTE:
1. REFER TO PLANTING SCHEDULE ON SHEET L501



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South Windsor, CT 06074
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Studio 300
Waltham, MA 02453
Tel: 817.964.1719
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August 28, 2023

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

PLANTING PLAN - 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L502

Drummeys Rosane Anderson, Inc.

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06074	02453

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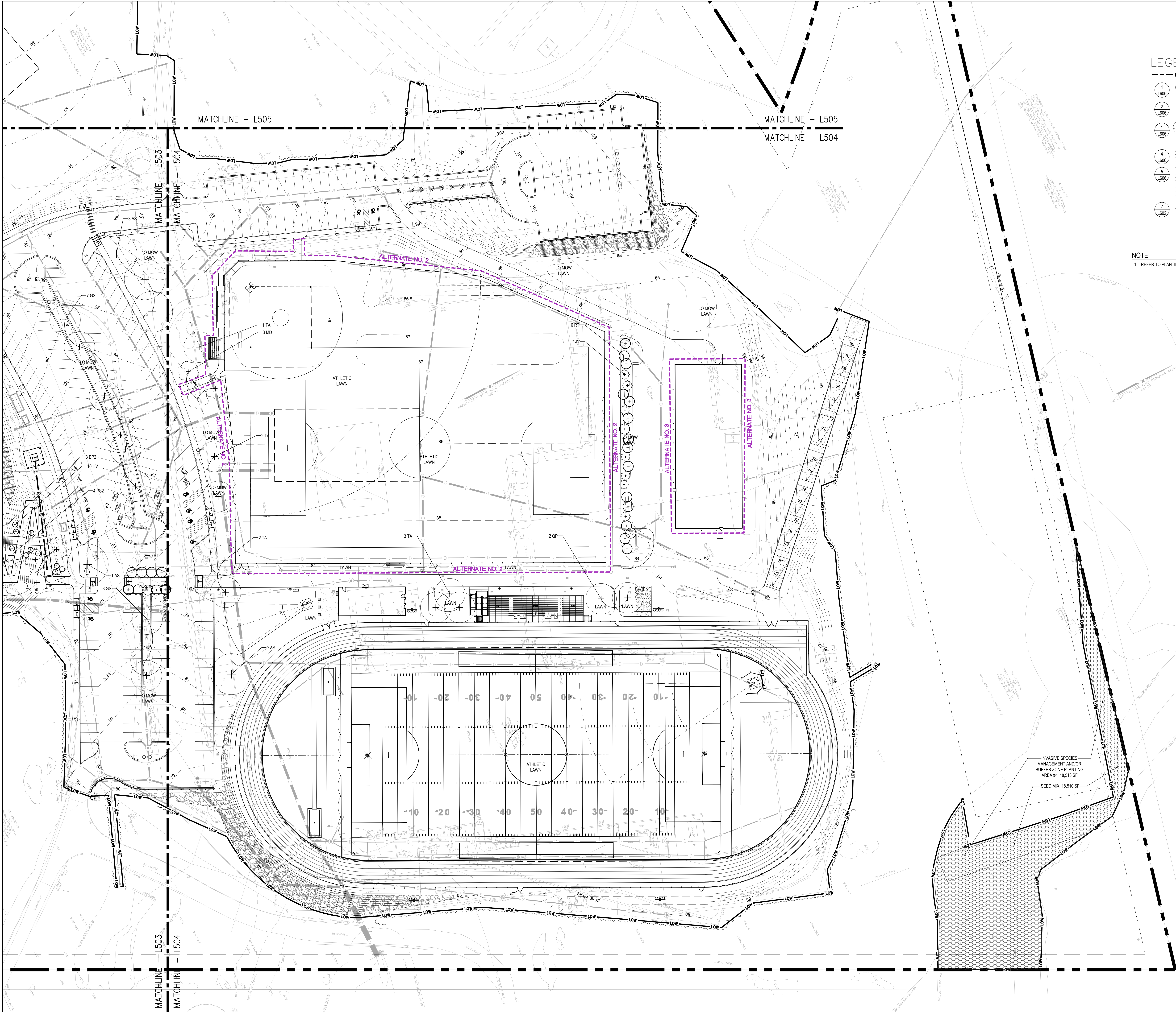


August 28, 2023



Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L503



- LEGEND:
- 1 L606 + DECIDUOUS TREE PLANTING
 - 2 L606 + EVERGREEN TREE PLANTING
 - 1 L606 + ORNAMENTAL OR MULTISTEM TREE
 - 4 L606 + SHRUB PLANTING
 - 5 L606 + GROUND COVER
 - 7 L602 + BUFFER ZONE PLANTING AREA AND SEED MIX
 - 7 L602 + COMPOST AND SEED OVER MODIFIED ROCKFILL

NOTE:
1. REFER TO PLANTING LEGEND ON SHEET L501

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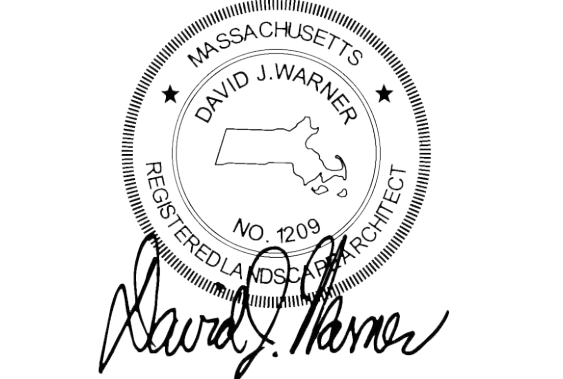
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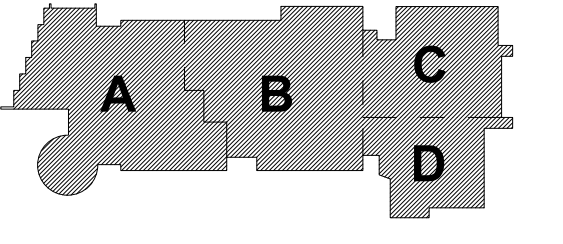
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August 28, 2023



PROJECT NORTH

MAGNETIC NORTH

PLANTING PLAN - 4

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L504



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617.464.1440
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DAVID J. WARNER
LANDSCAPE ARCHITECT
MASSACHUSETTS
No. 0197
David J. Warner

BID SET

August 28, 2023

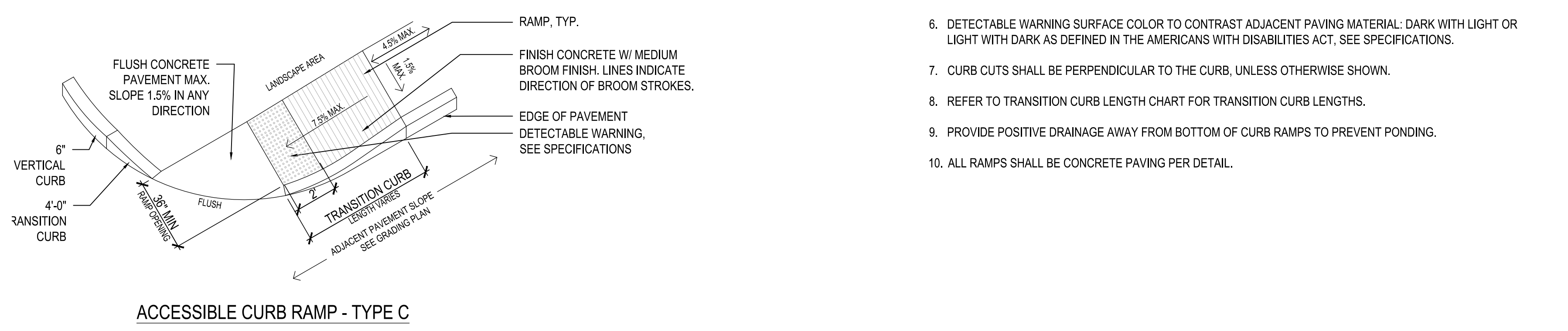
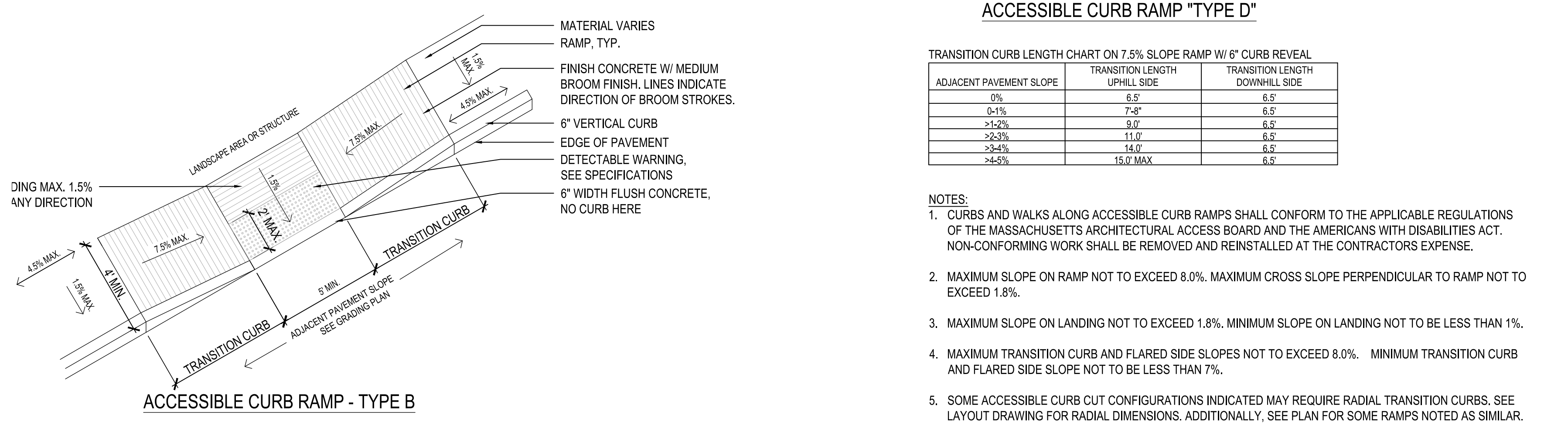
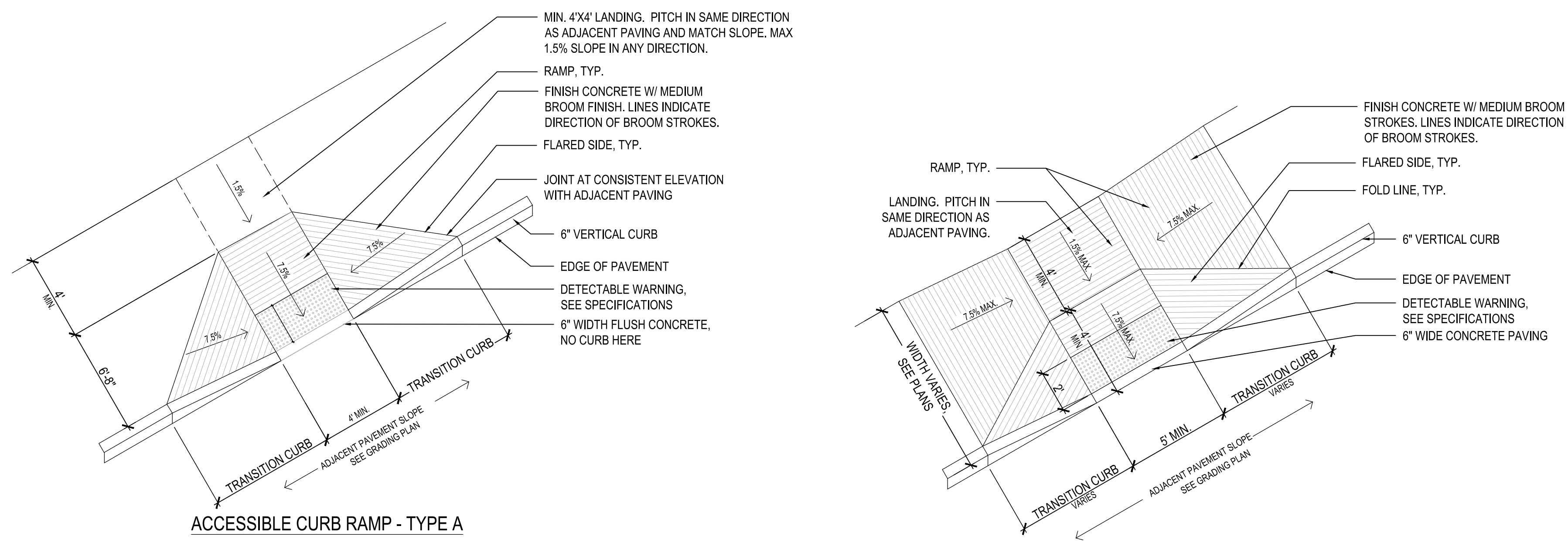
KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

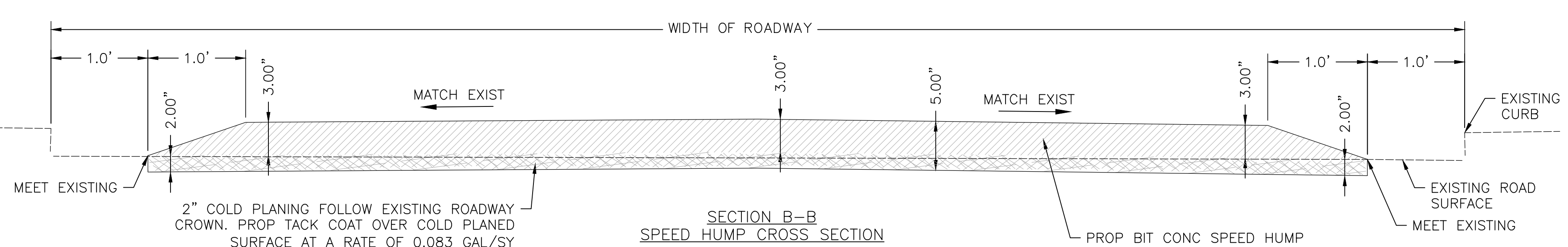
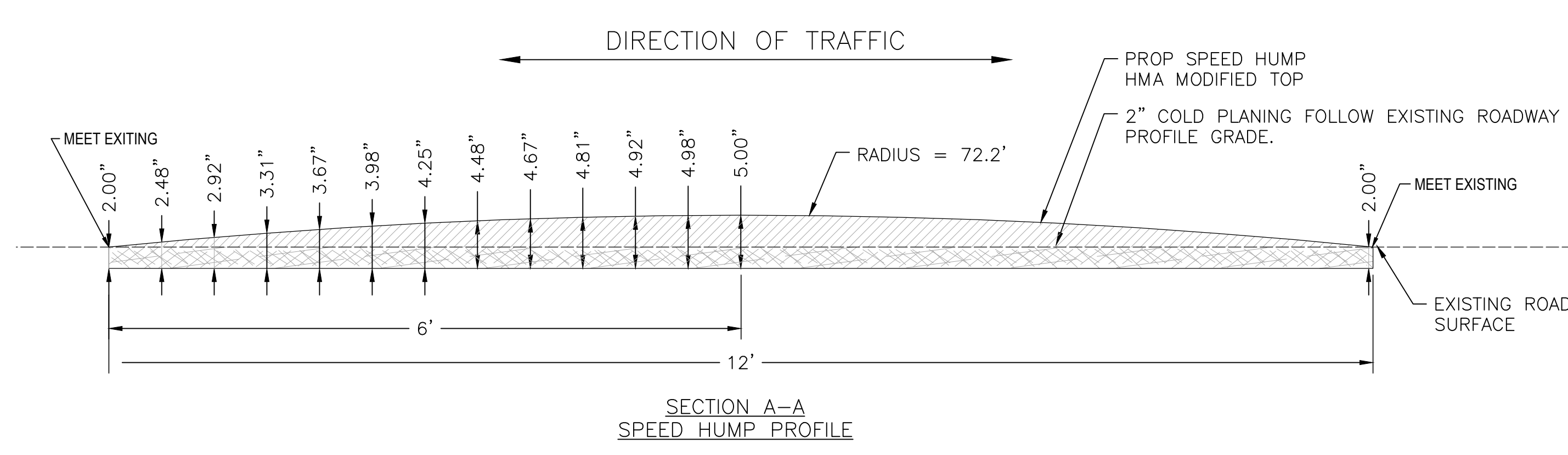
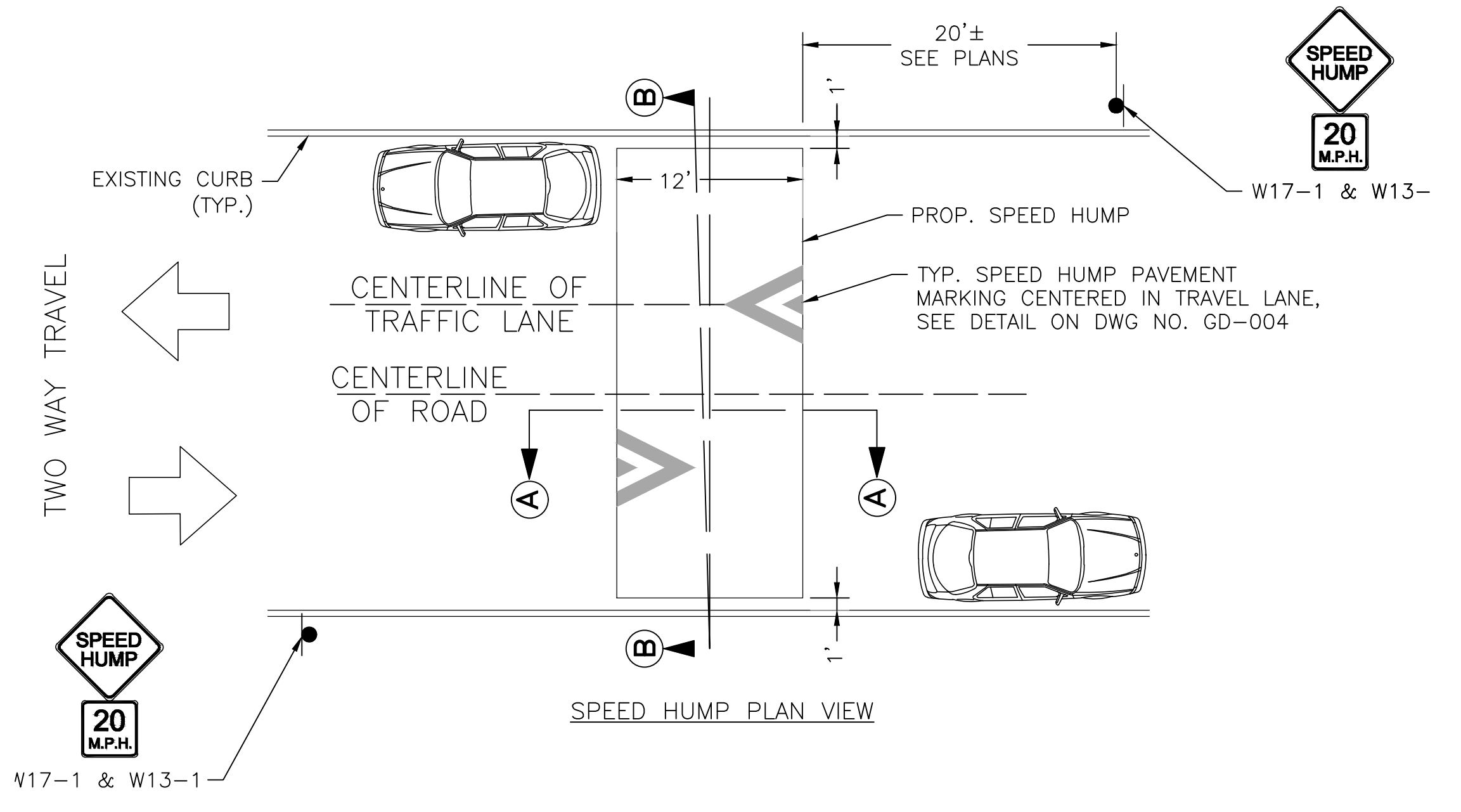
PLANTING PLAN - 5

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

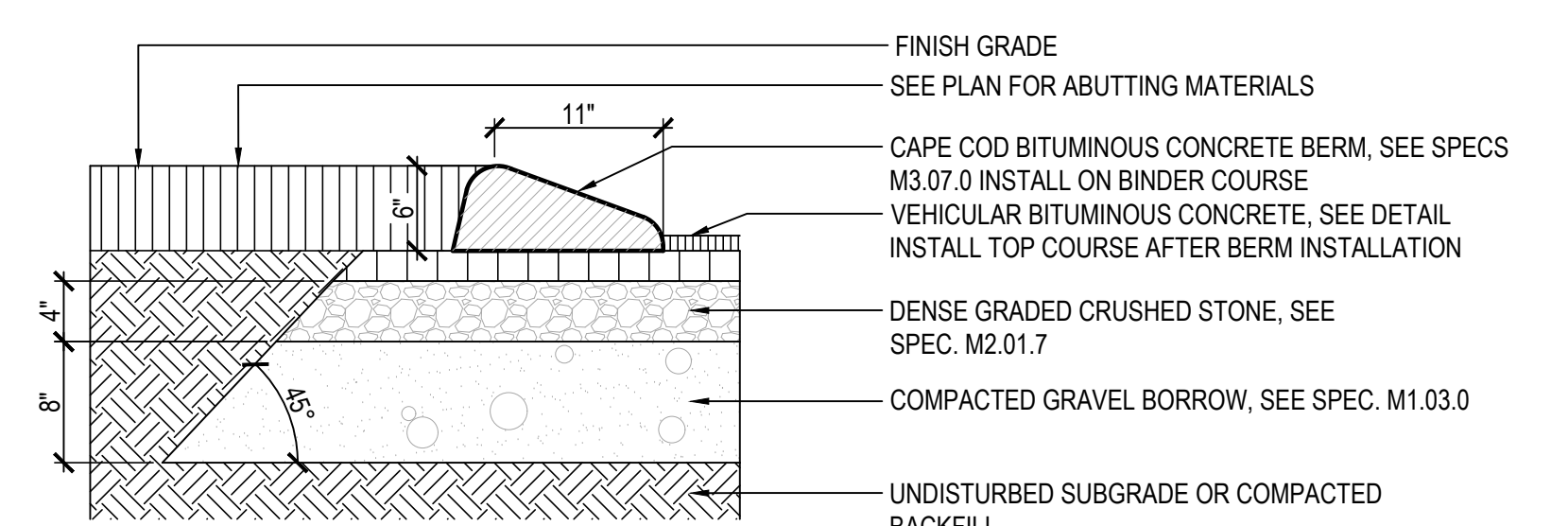
L505



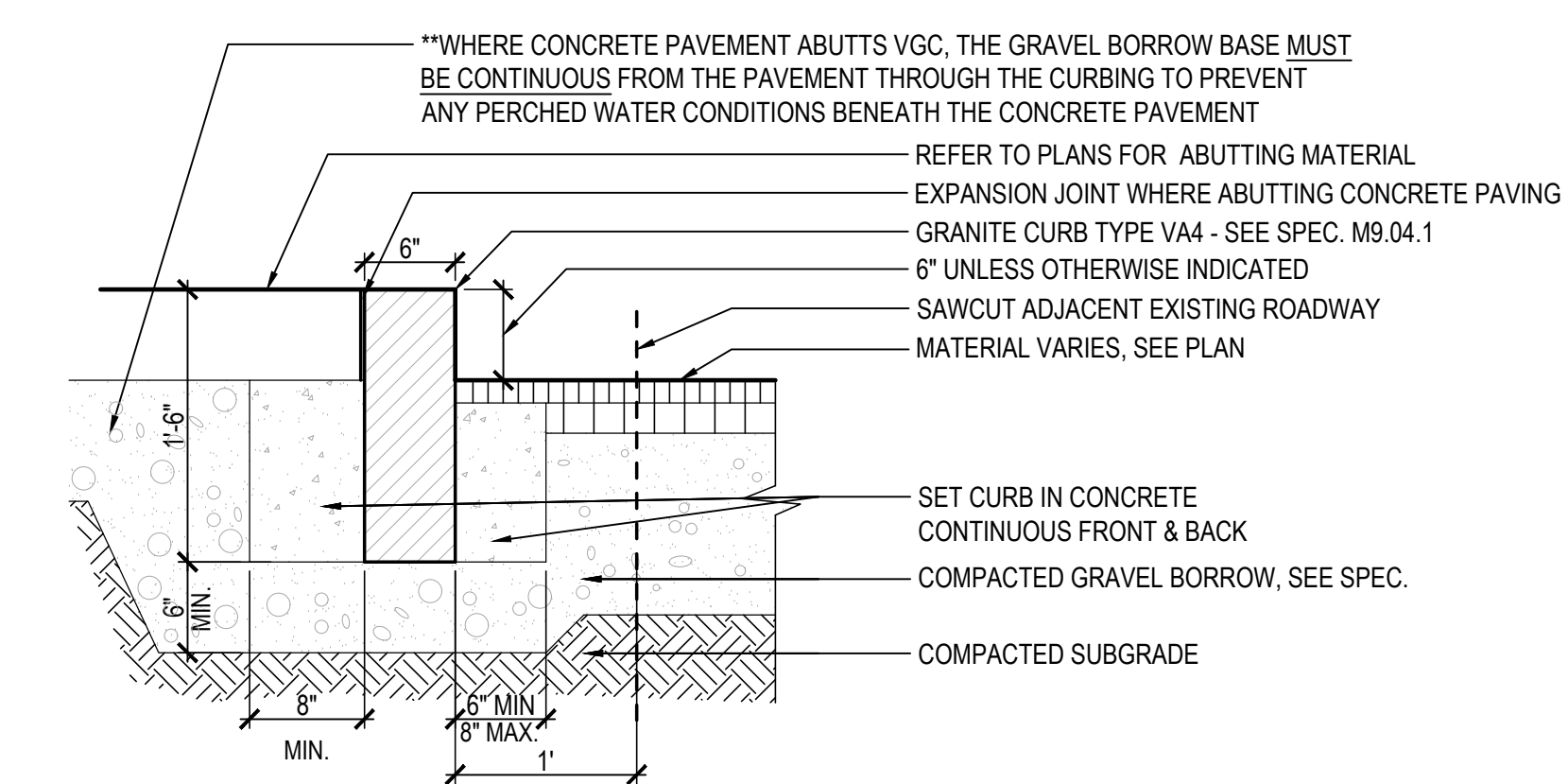
13 ACCESSIBLE CURB RAMPS
SCALE: 1/4" = 1'-0"



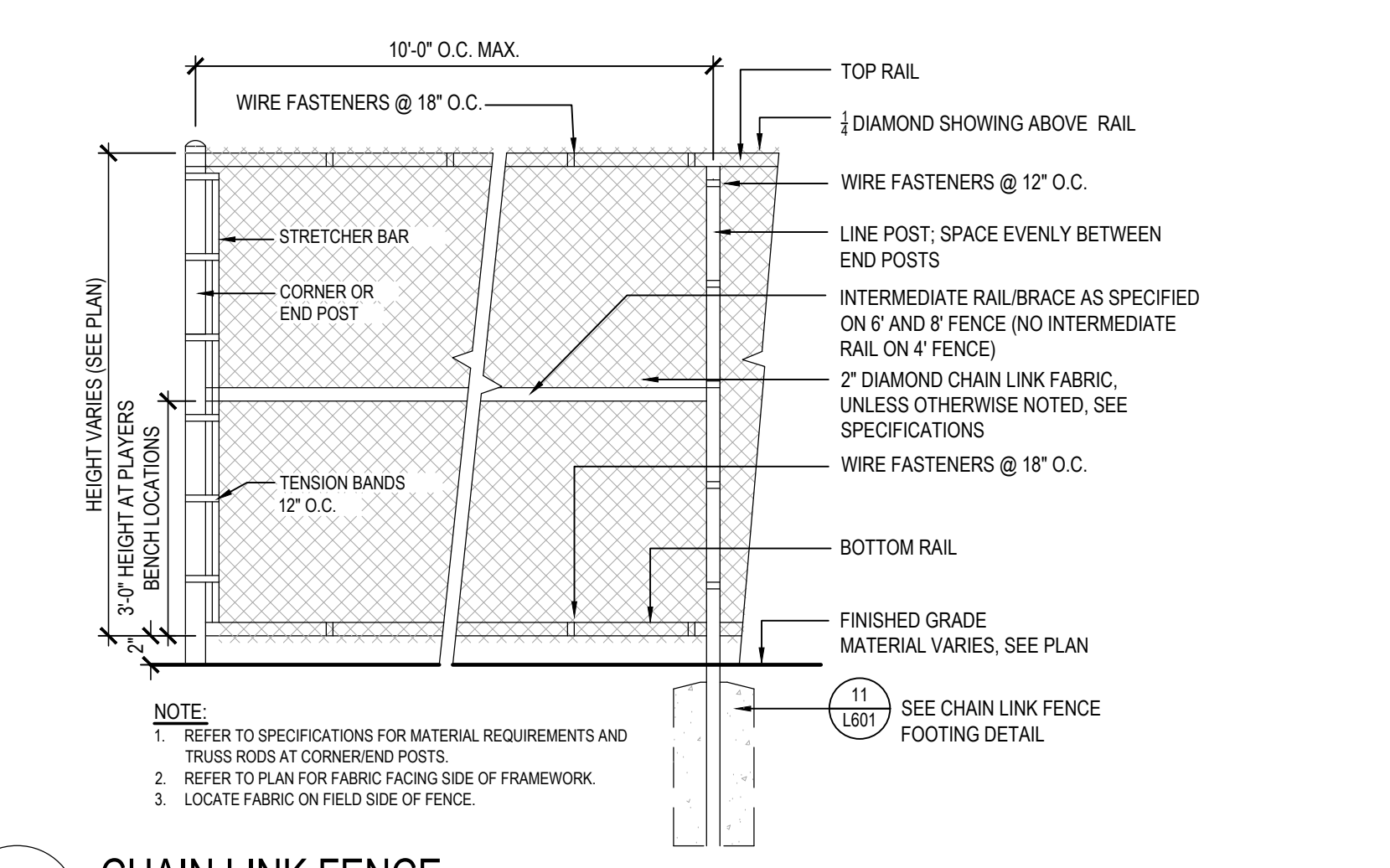
14 SPEED HUMP
SCALE: 1" = 1'-0"



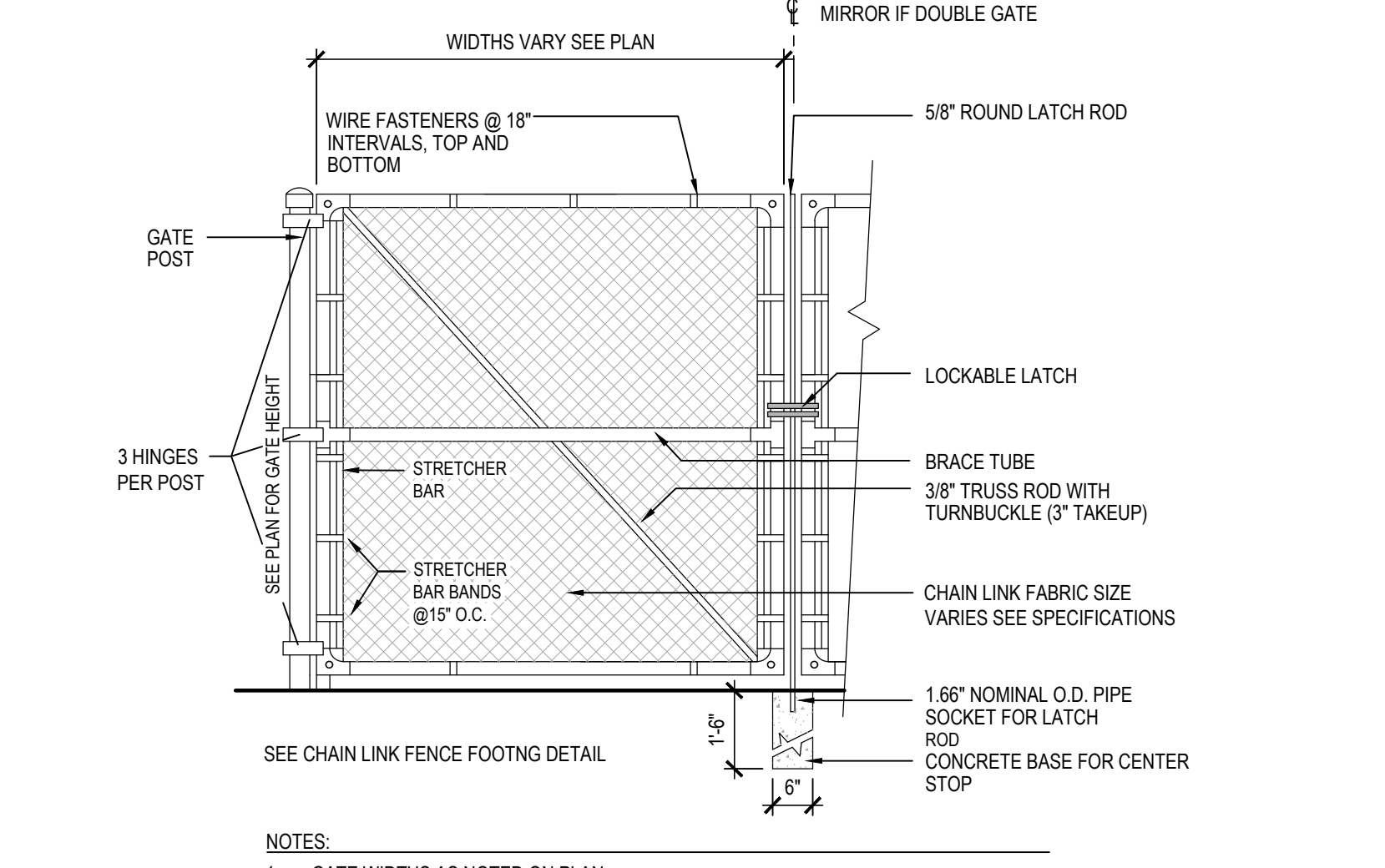
7 FORMED ASPHALT CURB - CAPE COD BERM
SCALE: 1" = 1'-0"



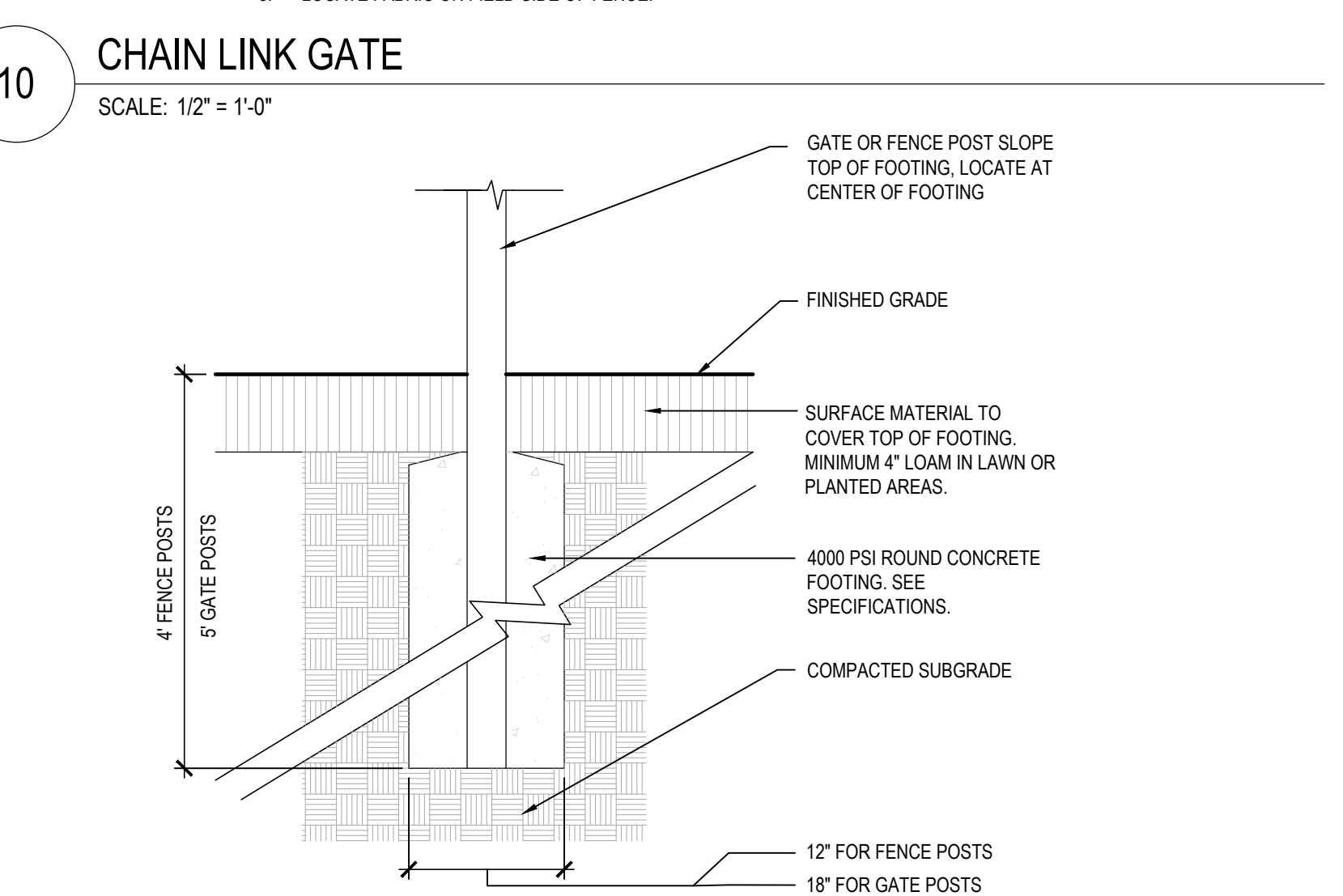
8 VERTICAL GRANITE CURB
SCALE: 1" = 1'-0"



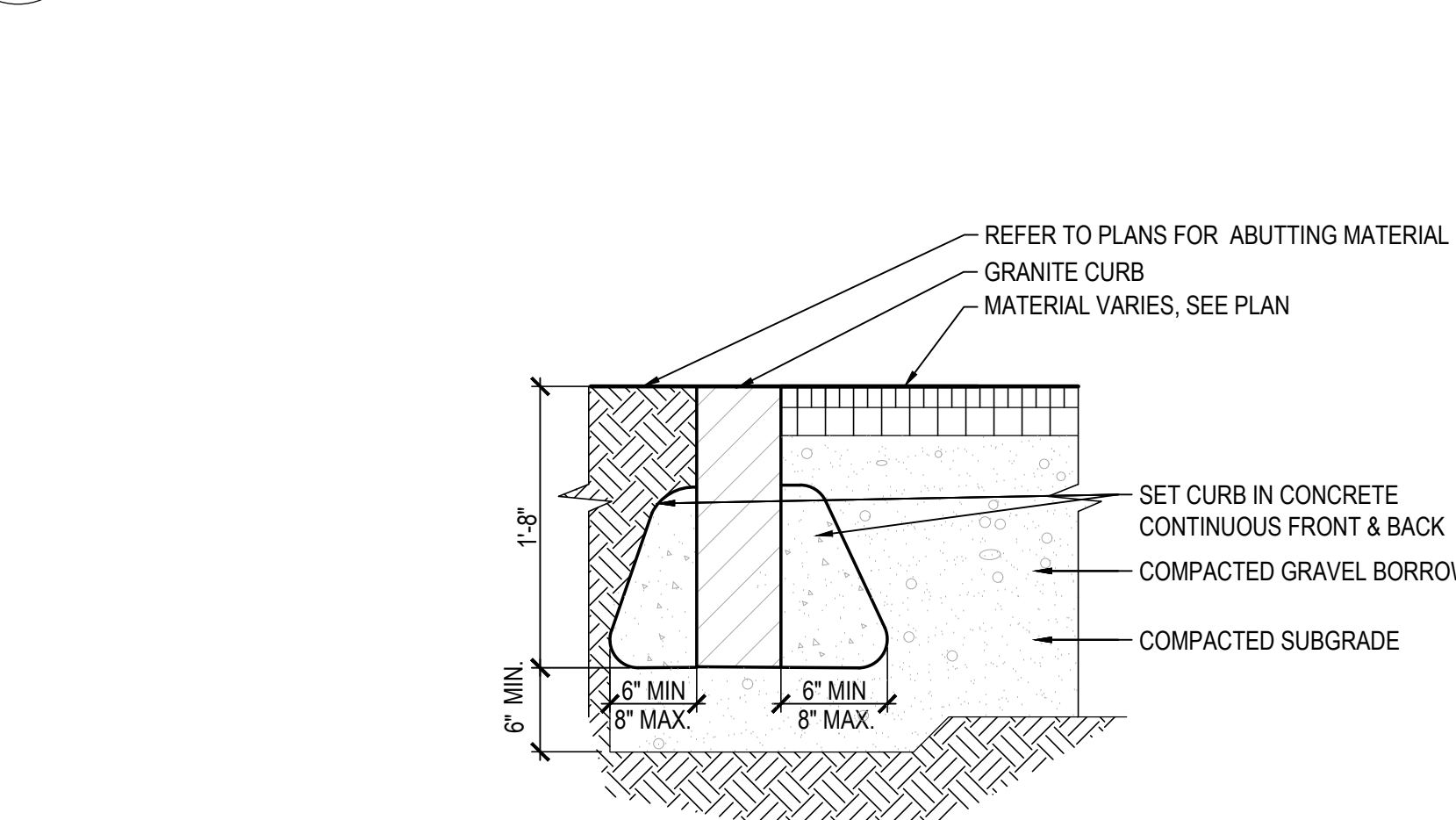
9 CHAIN LINK FENCE
SCALE: 1/2" = 1'-0"



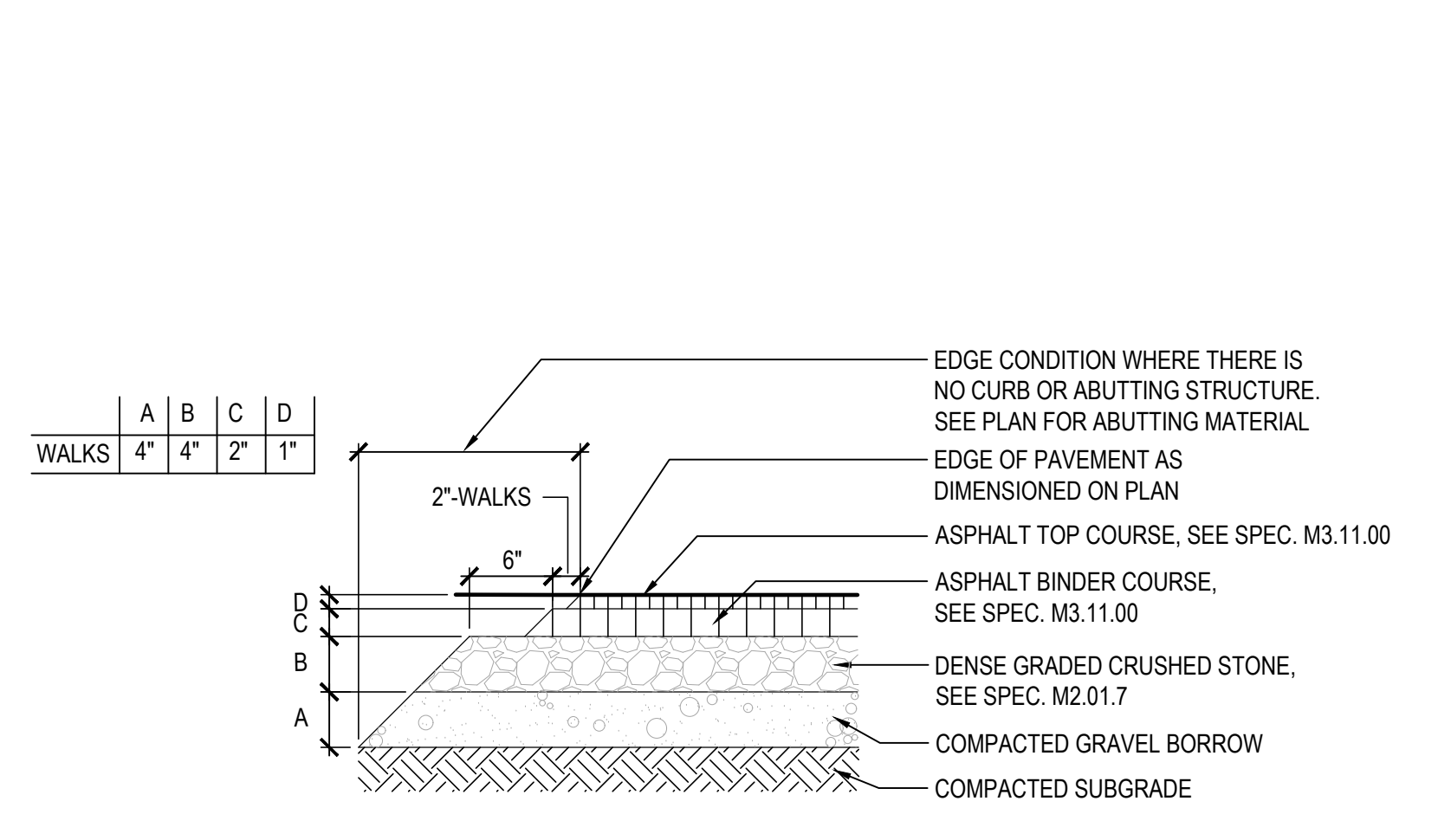
10 CHAIN LINK GATE
SCALE: 1/2" = 1'-0"



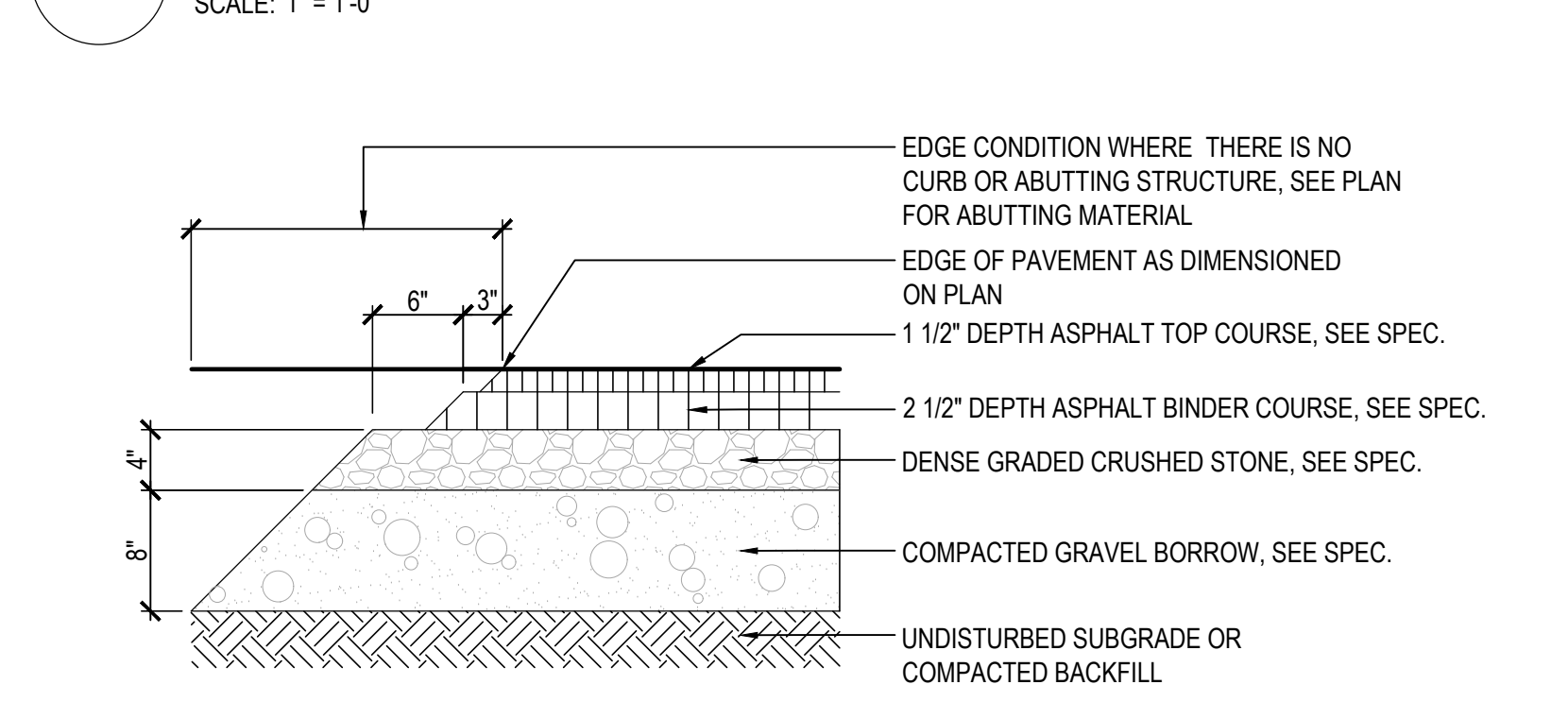
11 FENCE FOOTING
SCALE: 1" = 1'-0"



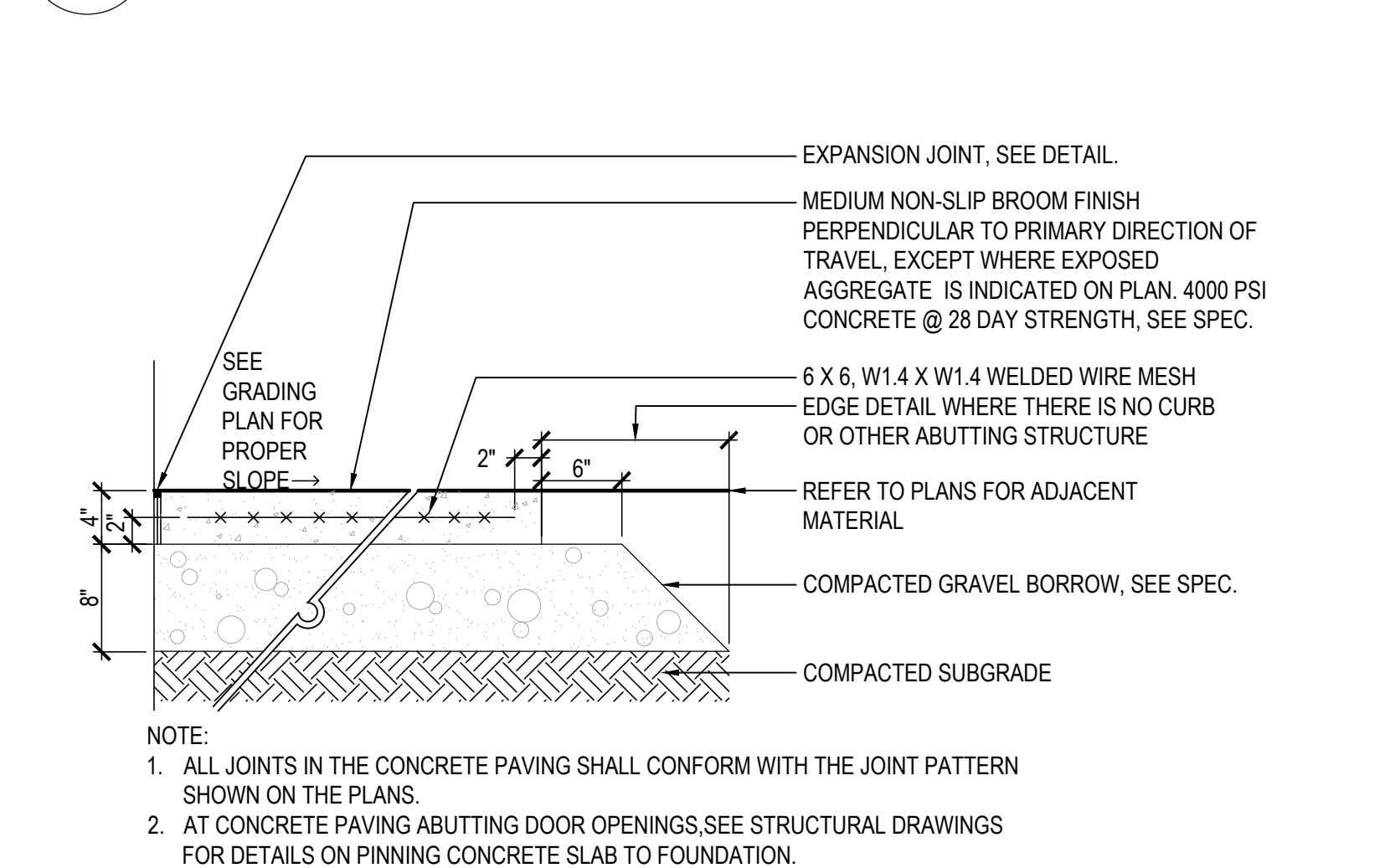
12 FLUSH GRANITE CURB
SCALE: 1" = 1'-0"



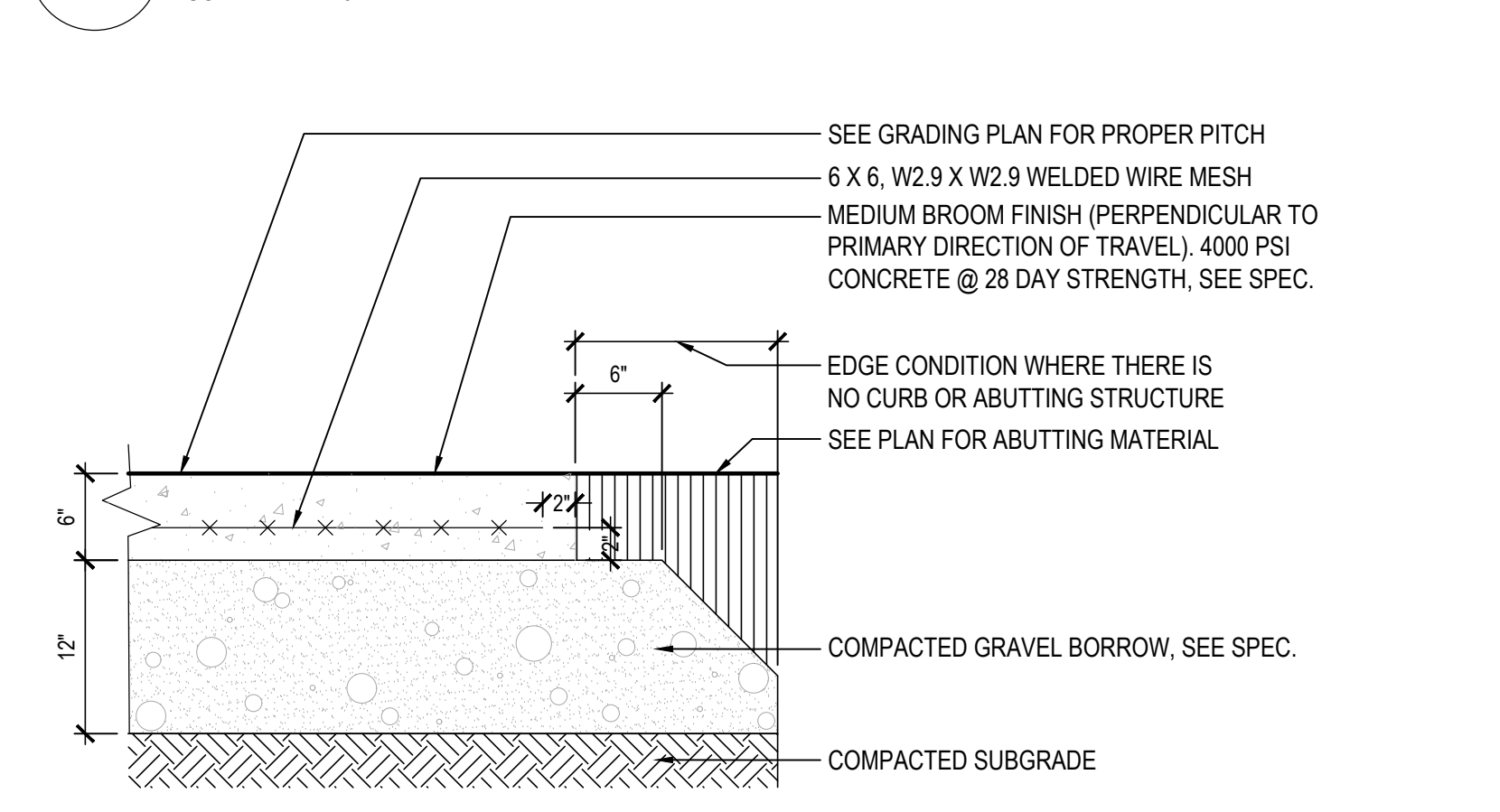
1 ASPHALT WALKWAY PAVING
SCALE: 1" = 1'-0"



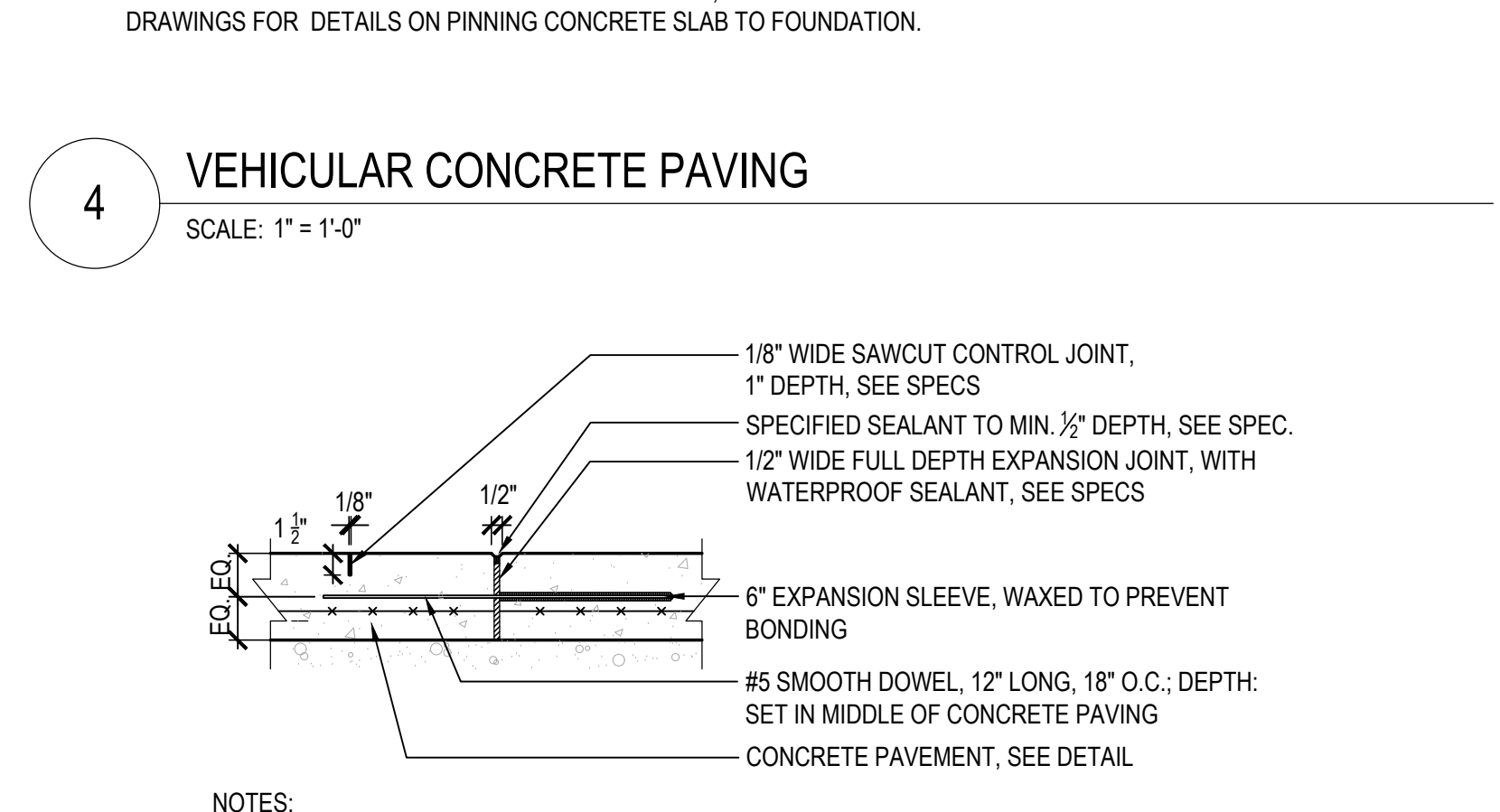
2 VEHICULAR ASPHALT PAVING
SCALE: 1" = 1'-0"



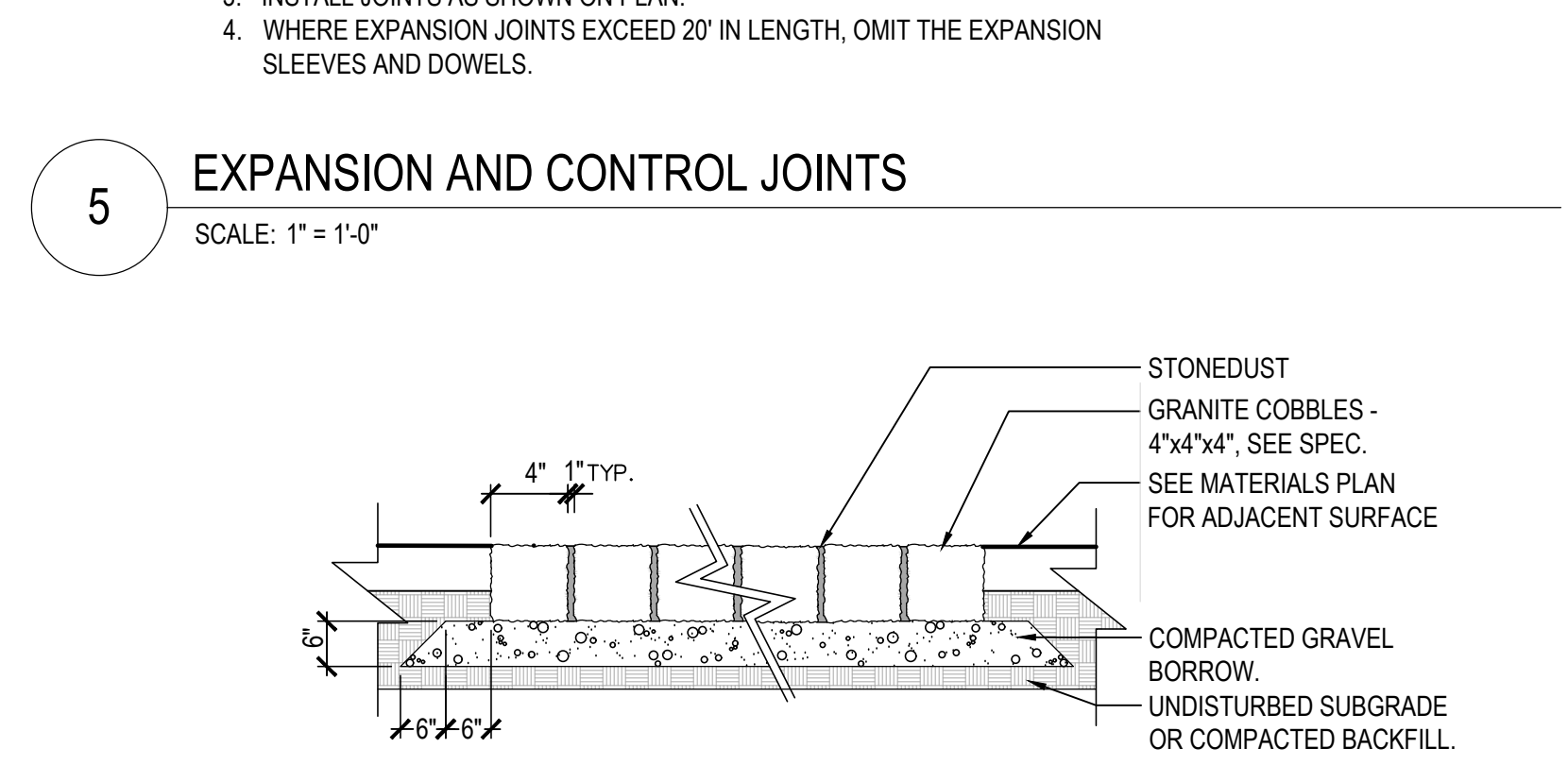
3 CONCRETE WALKWAY PAVING
SCALE: 1" = 1'-0"



4 VEHICULAR CONCRETE PAVING
SCALE: 1" = 1'-0"



5 EXPANSION AND CONTROL JOINTS
SCALE: 1" = 1'-0"



6 COBBLE PAVING
SCALE: 1/2" = 1'-0"

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Studio 205
South Windsor, CT 06074
Tel: 817.364.1719
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617.464.1440

David J. Warner

BID SET

August 28, 2023

LANDSCAPE DETAILS - 1

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L601

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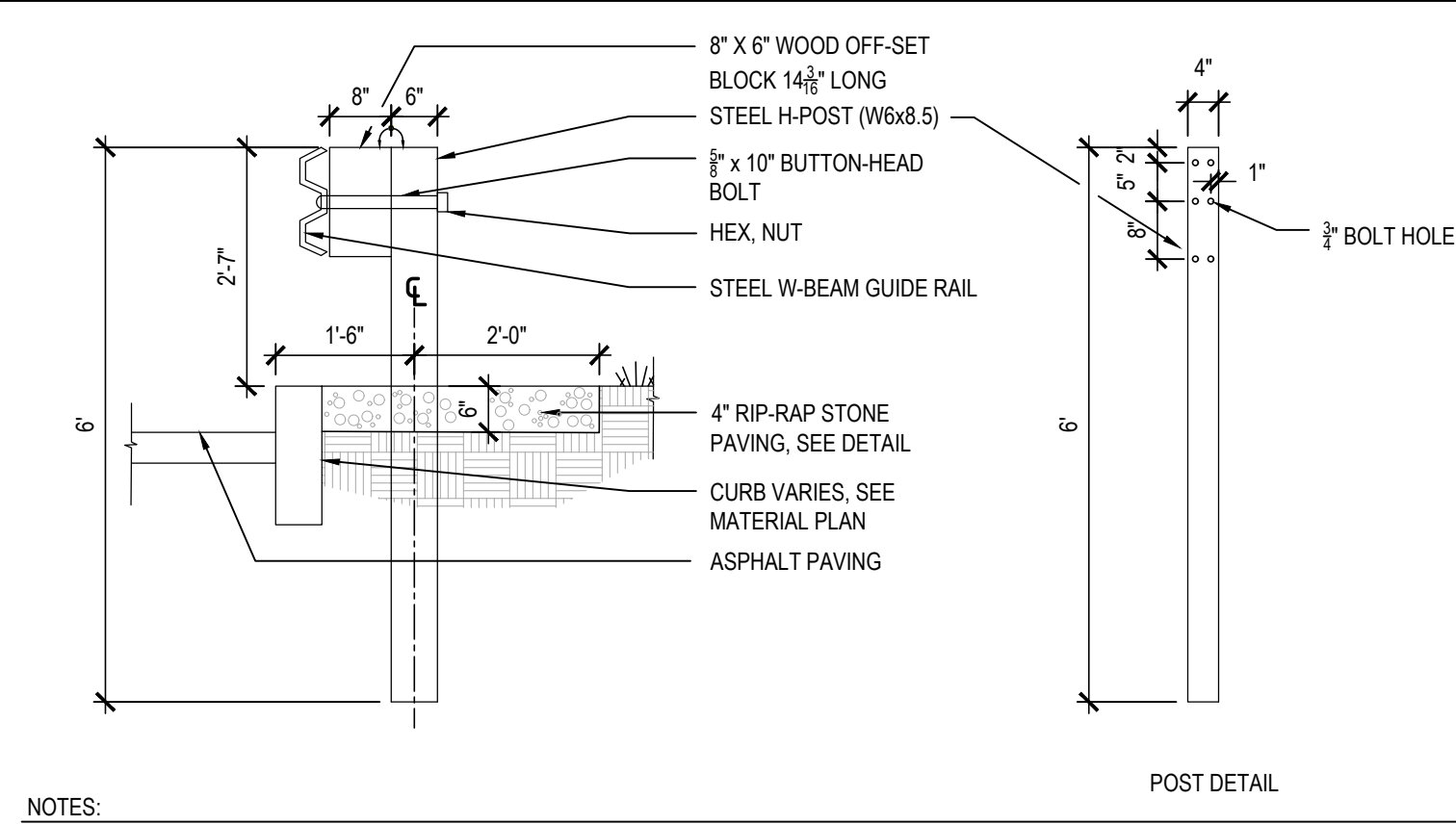


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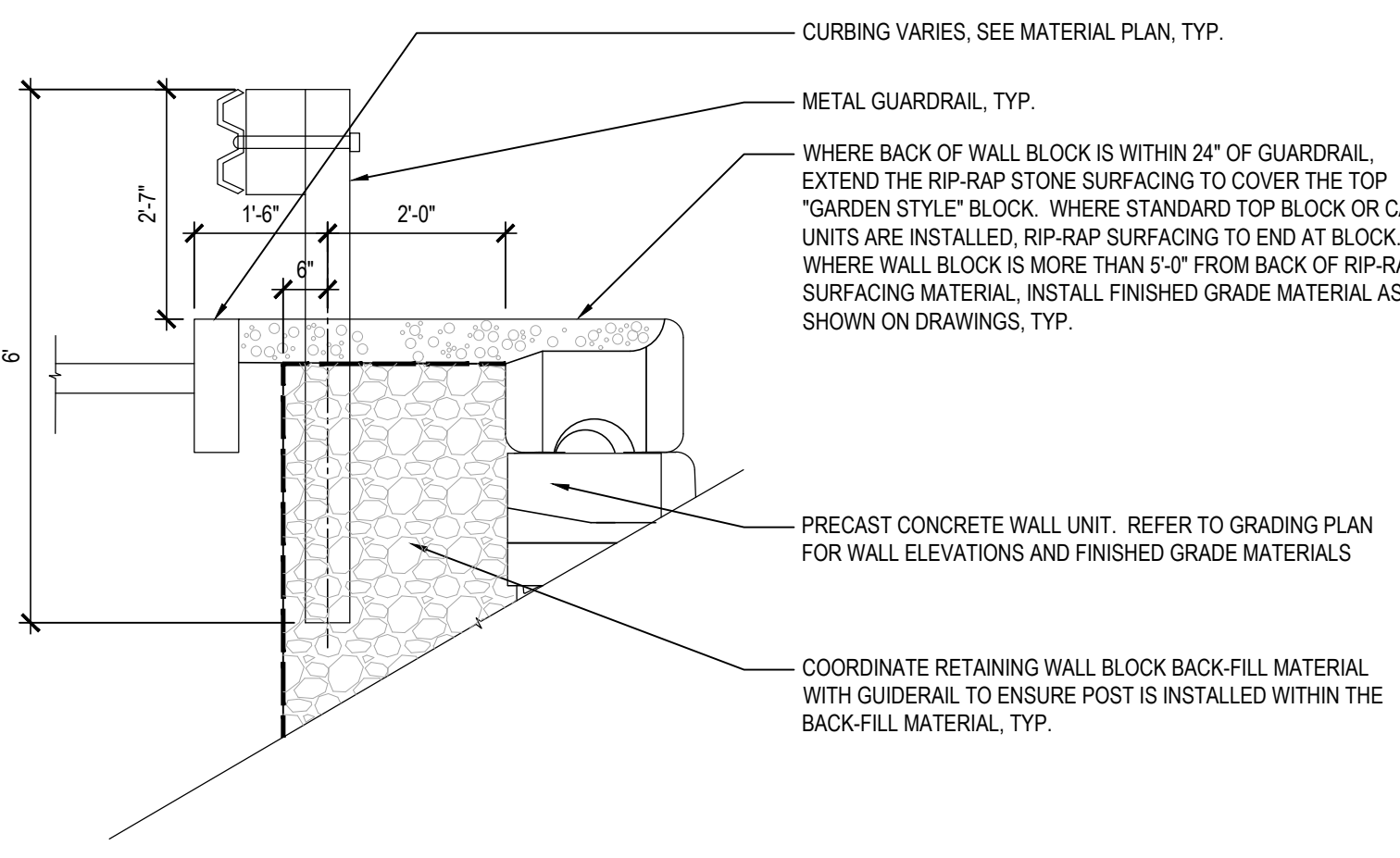
August 28, 2023

**LANDSCAPE
DETAILS - 2**

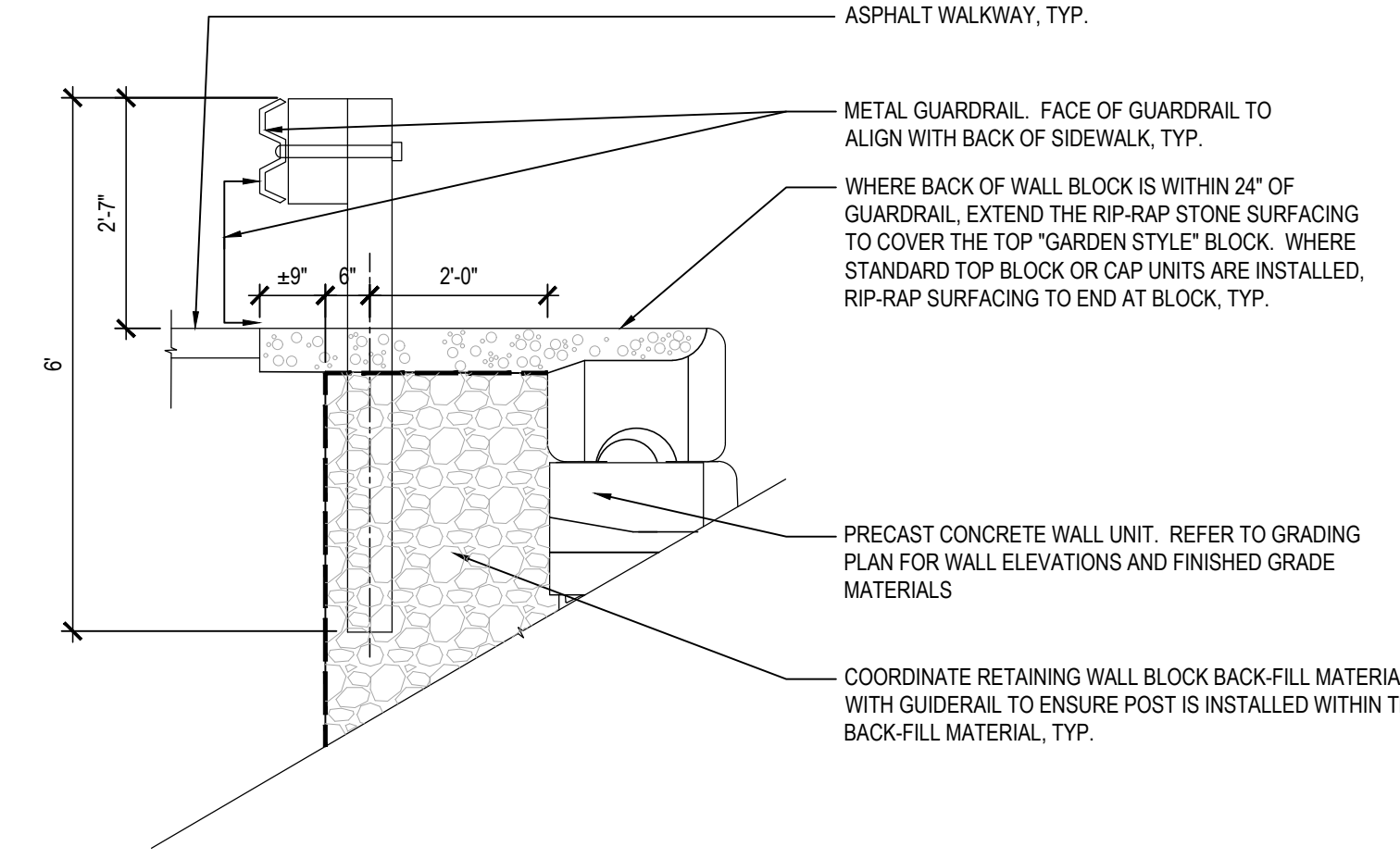
Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L602



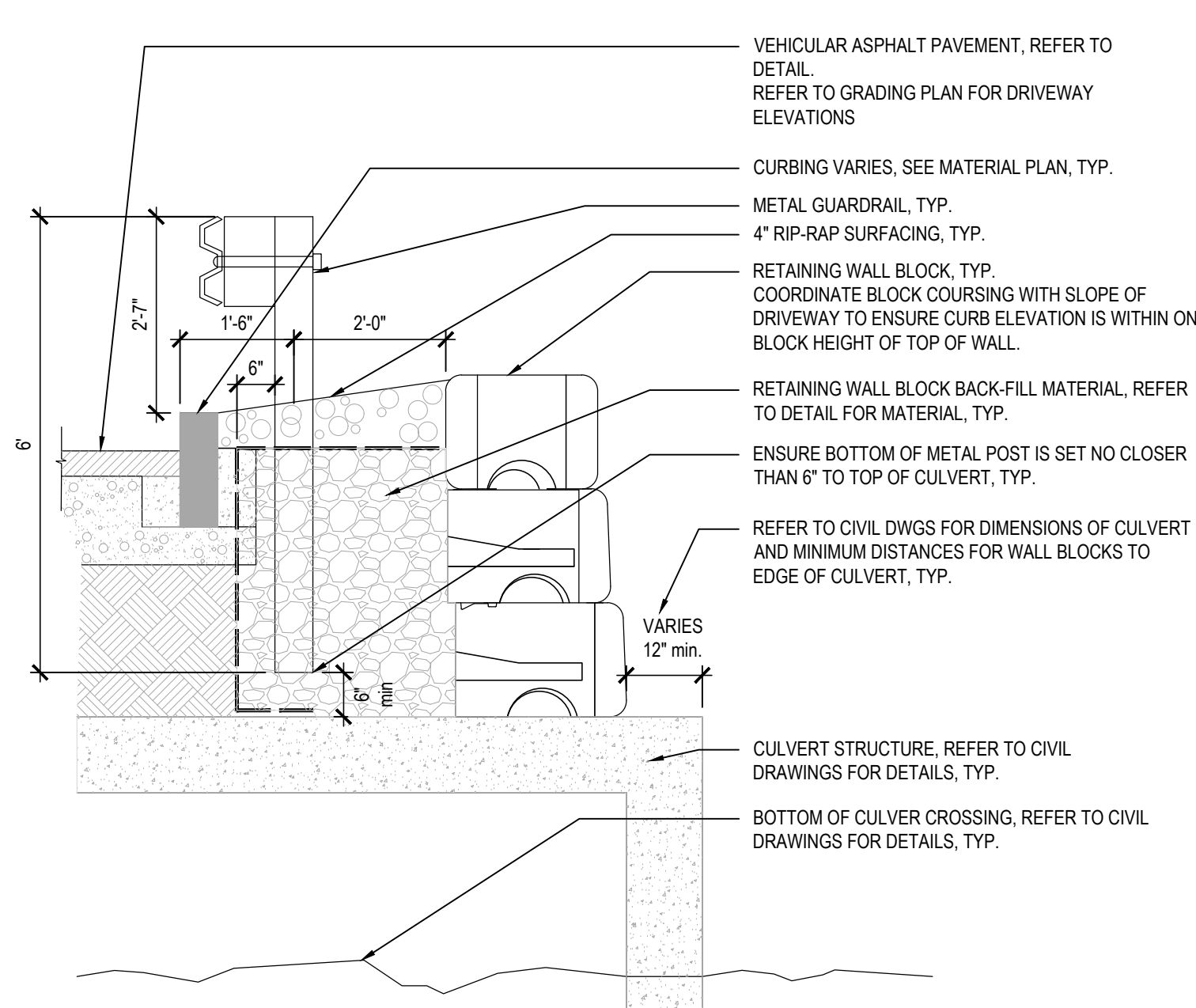
1 STEEL GUIDE RAIL WITH METAL POST & BLOCK
SCALE: 1/2" = 1'-0"



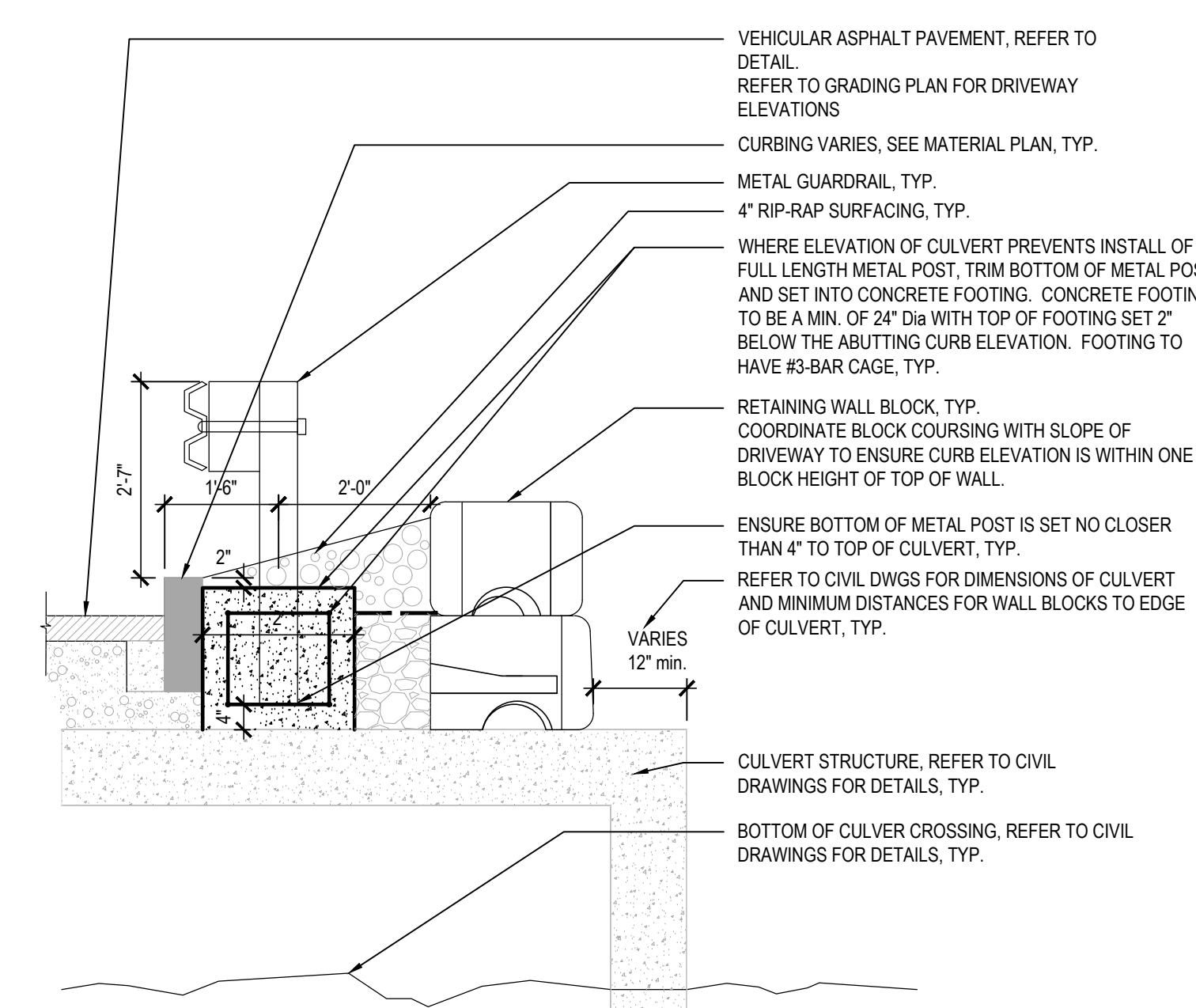
2 STEEL GUIDE RAIL AT RETAINING WALL
SCALE: 1/2" = 1'-0"



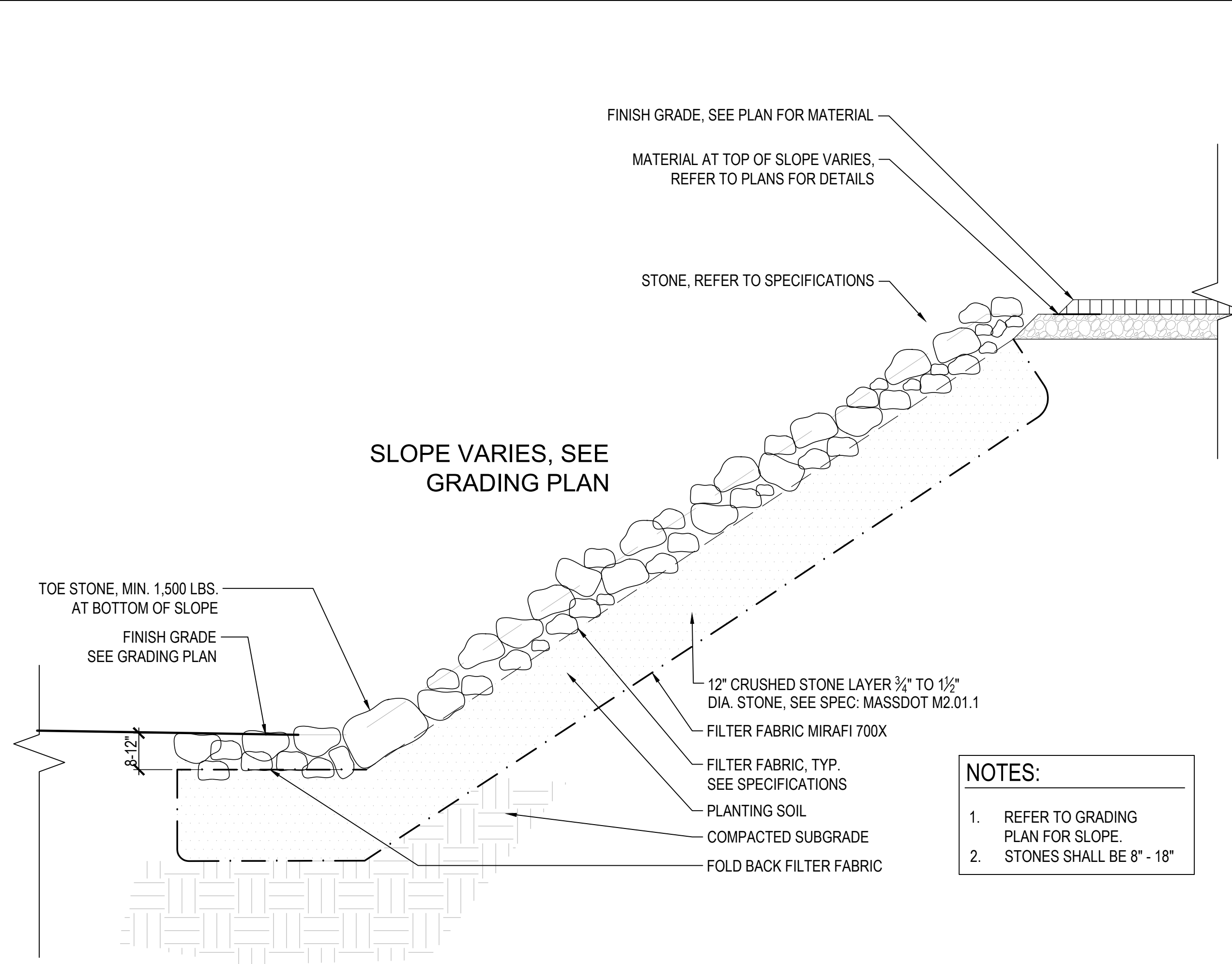
3 STEEL GUAIDE RAIL AT SIDEWALK
SCALE: 1/2" = 1'-0"



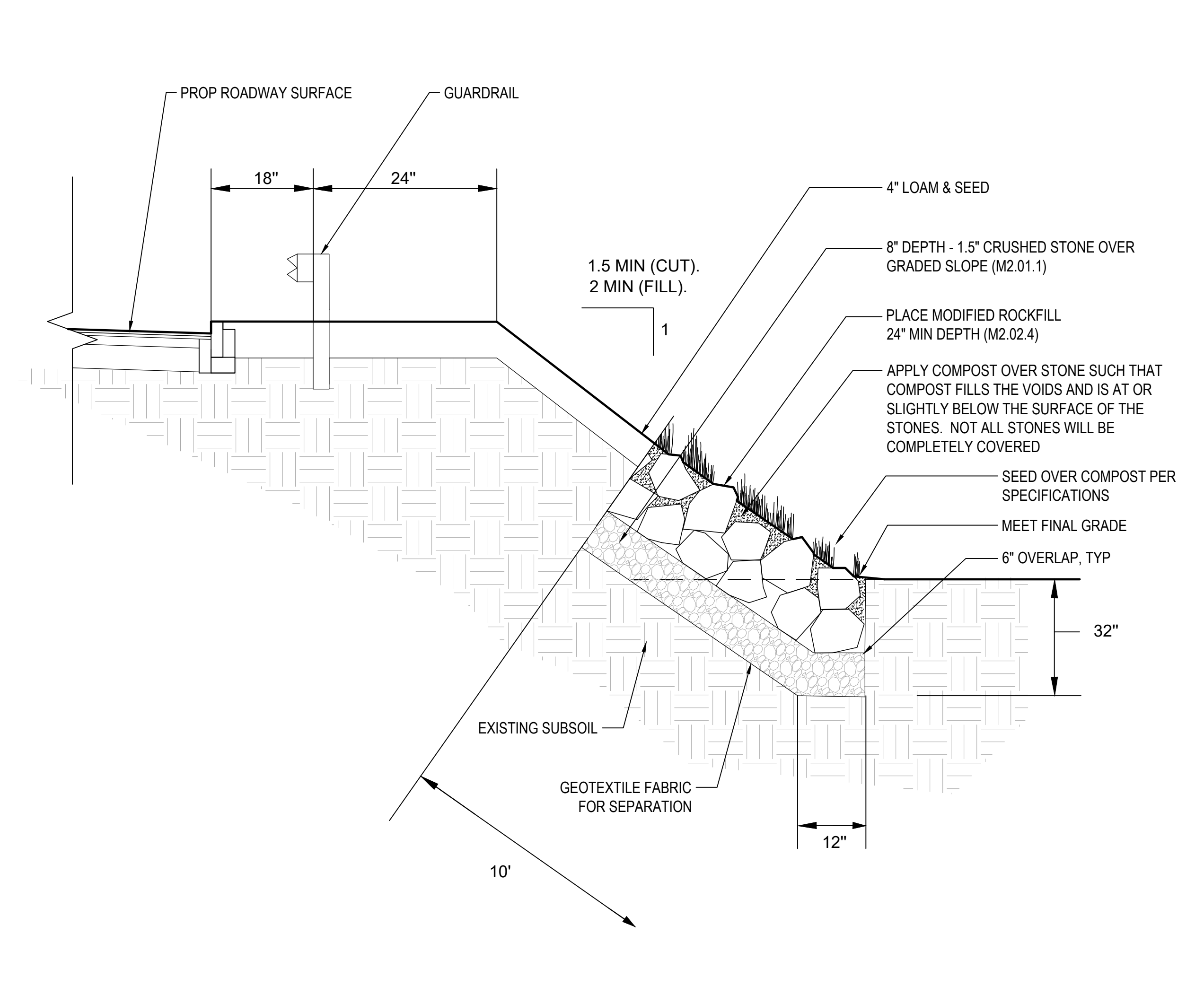
4 STEEL GUIDE RAIL AT CULVERT - DEEP
SCALE: 1/2" = 1'-0"



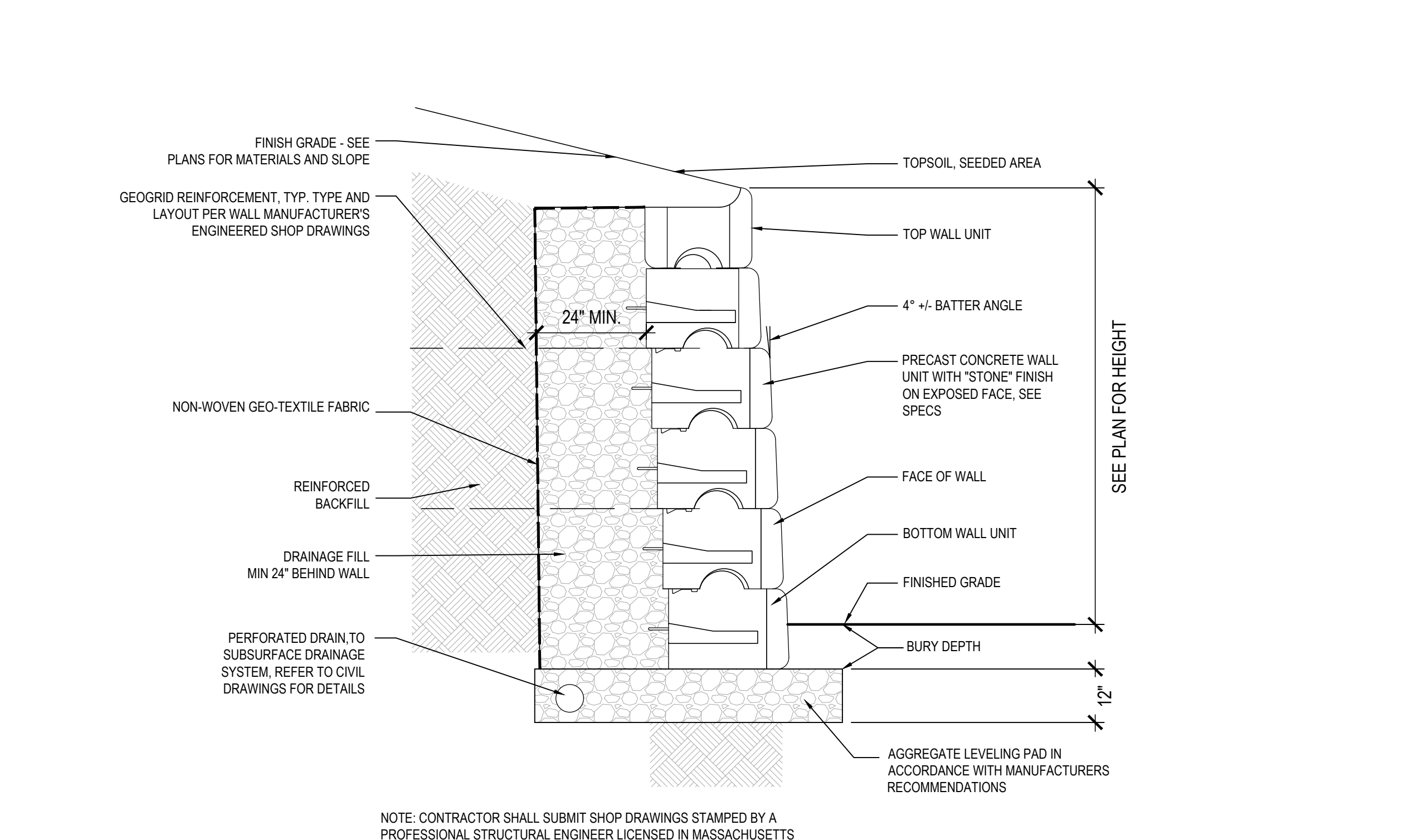
5 STEEL GUIDE RAIL AT CULVERT - SHALLOW
SCALE: 1/2" = 1'-0"



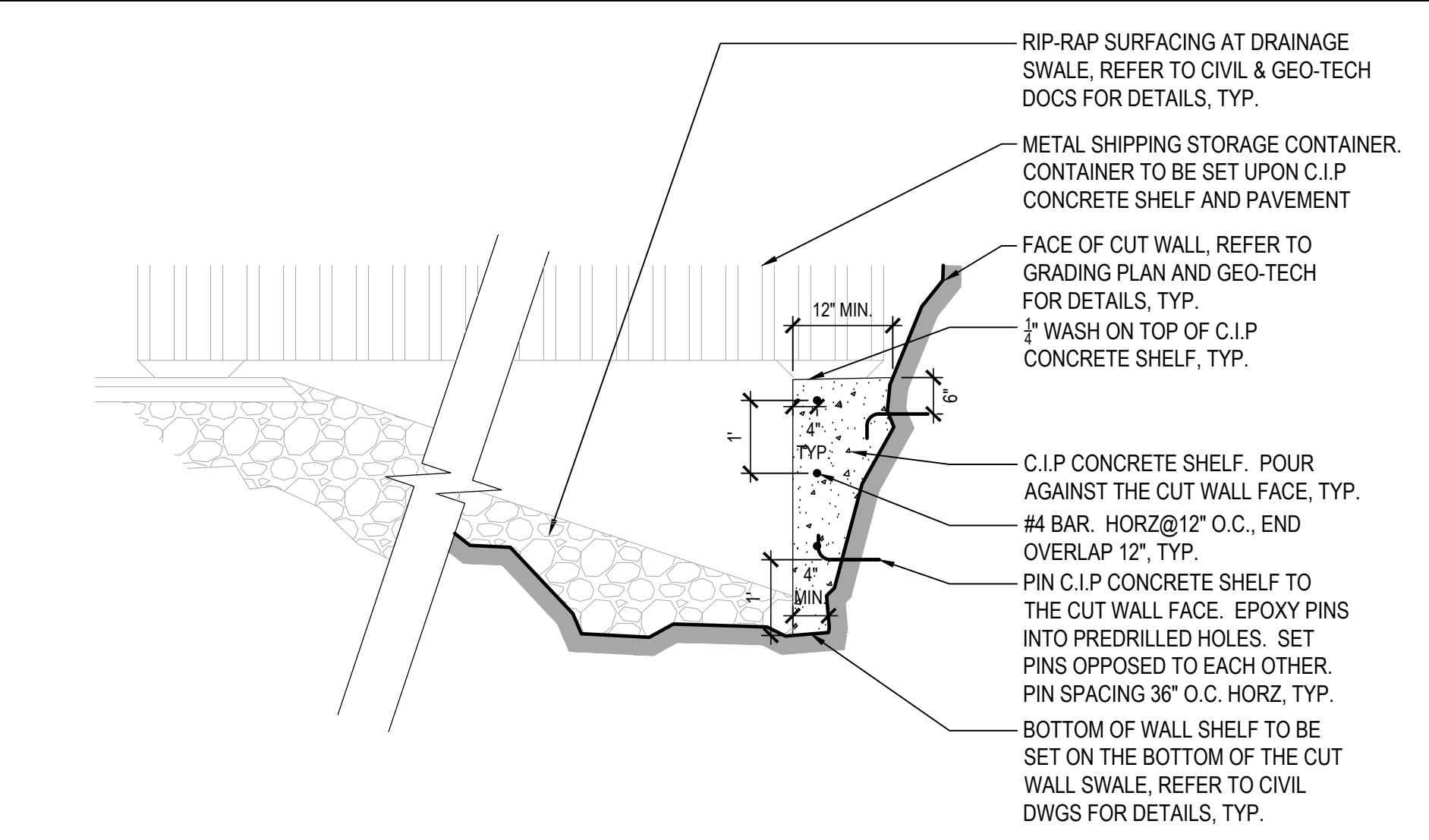
6 RIPRAP SLOPE
SCALE: 3/4" = 1'-0"



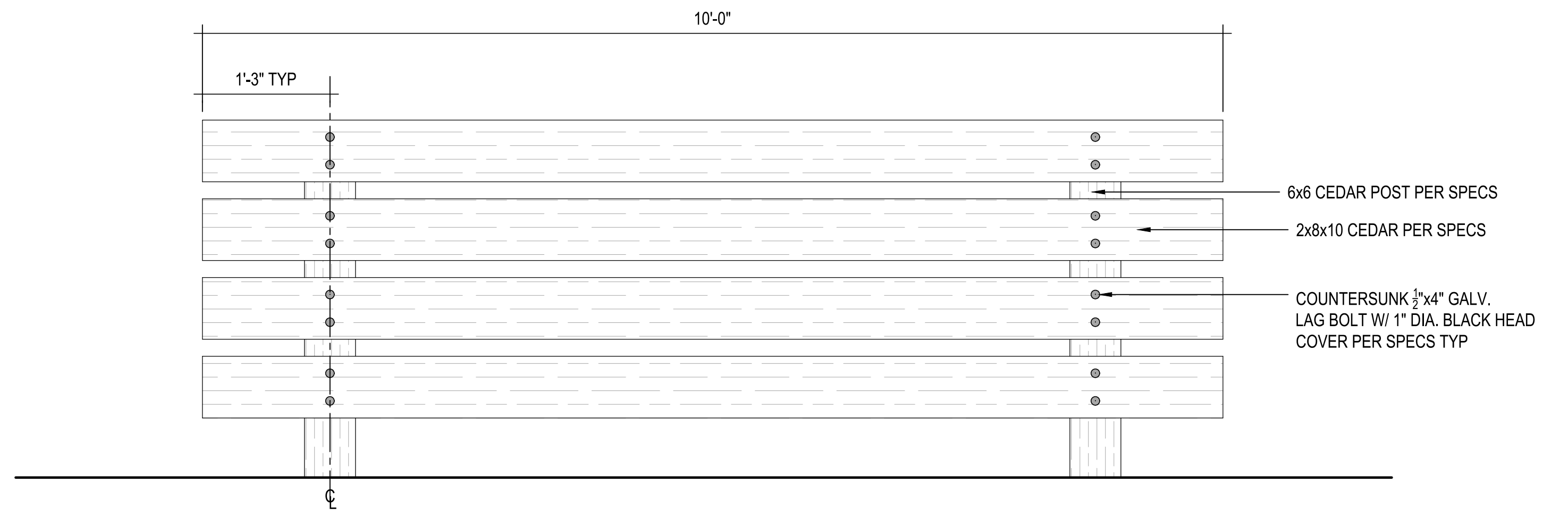
7 COMPOST AND SEED OVER MODIFIED ROCKFILL
SCALE: 3/4" = 1'-0"



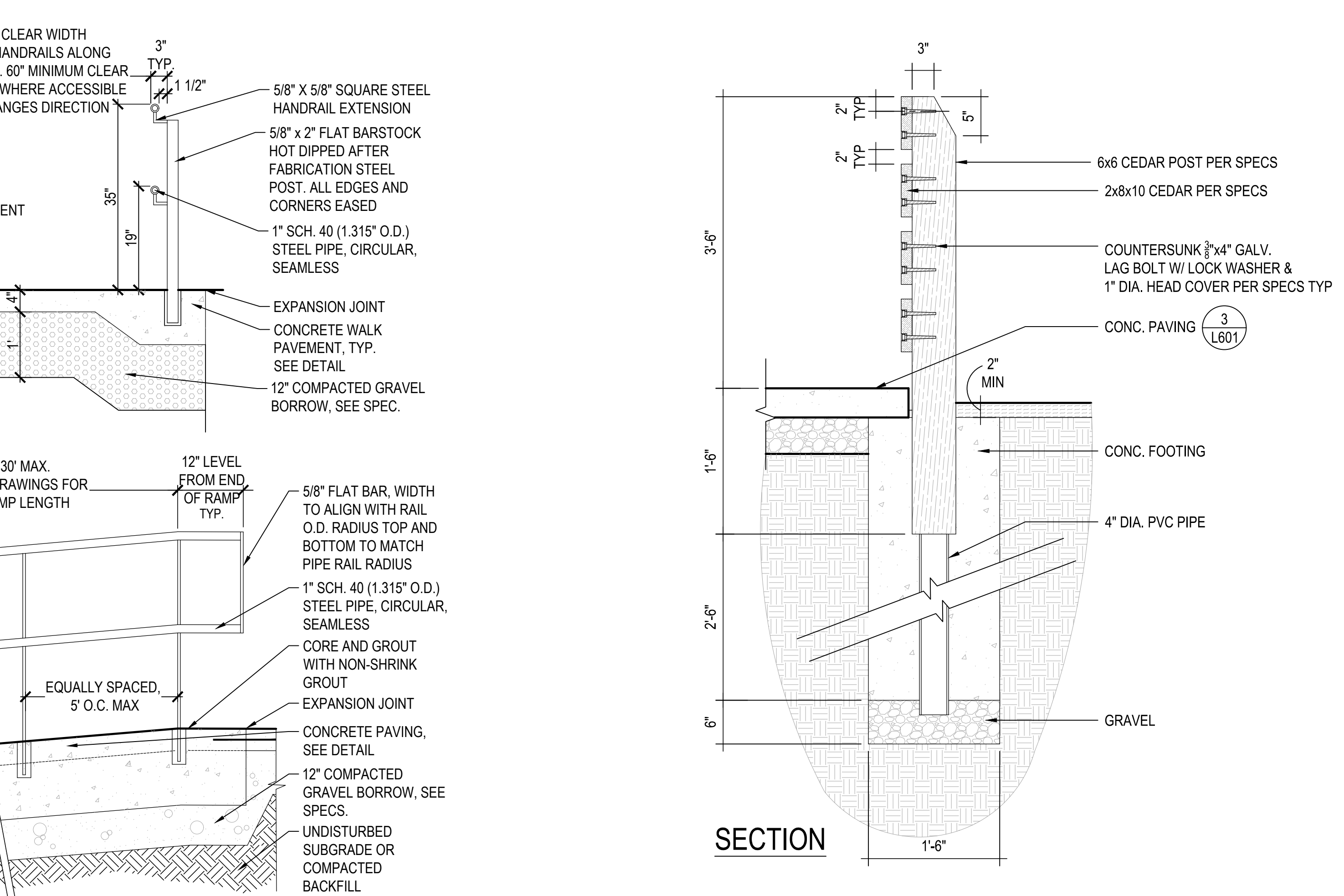
8 SEGMENTAL RETAINING WALL
SCALE: 1/2" = 1'-0"



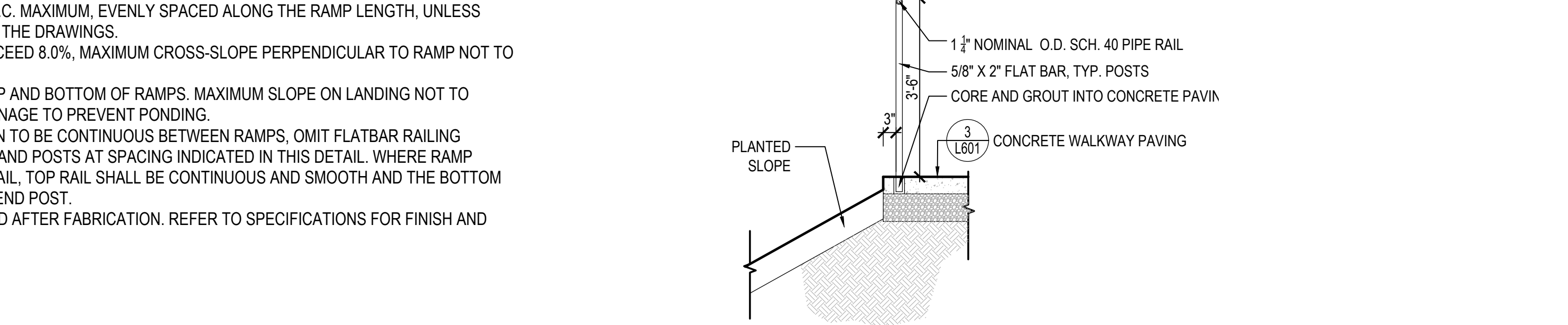
9 C.I.P. CONCRETE SHELF AT METAL SHIPPING CONTAINERS
SCALE: 1/2" = 1'-0"



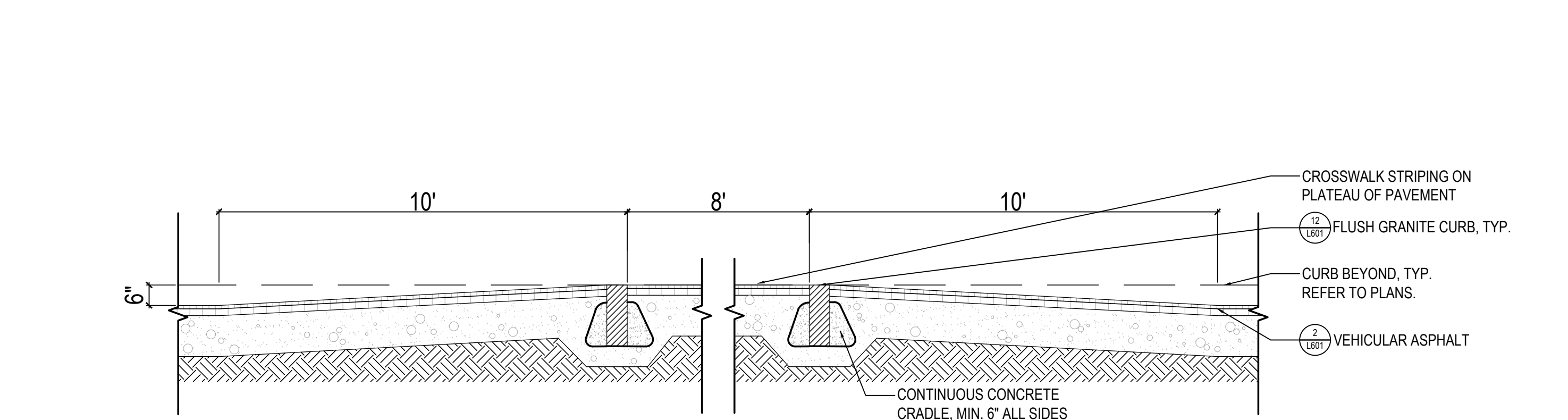
10 WOOD SCREEN FENCE
SCALE: 1" = 1'-0"



11 METAL GUARDRAIL AT SLOPE
SCALE: 1/2" = 1'-0"



12 ELEVATED CROSSWALK
SCALE: NTS



13 CONCRETE RAMP WITH HANDRAIL
SCALE: 3/4" = 1'-0"

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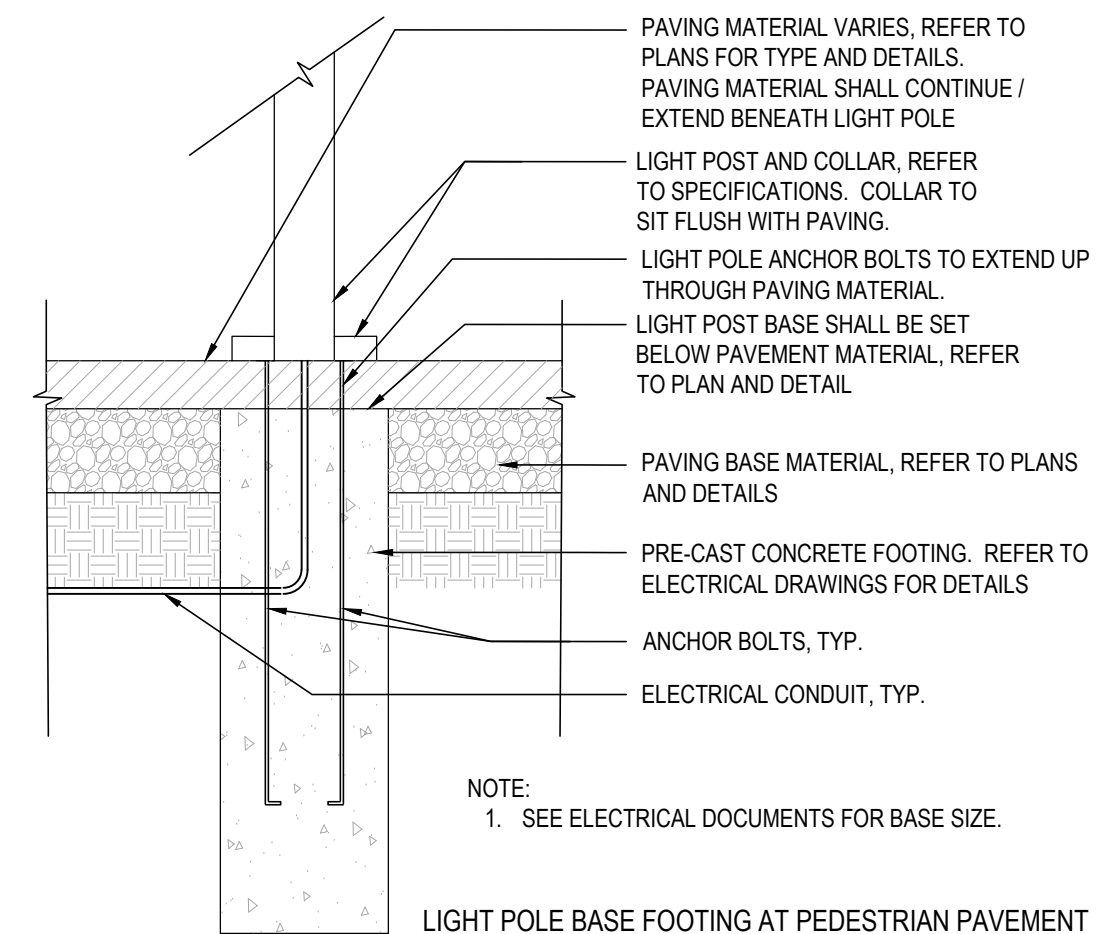
August 28, 2023

**LANDSCAPE
DETAILS - 3**

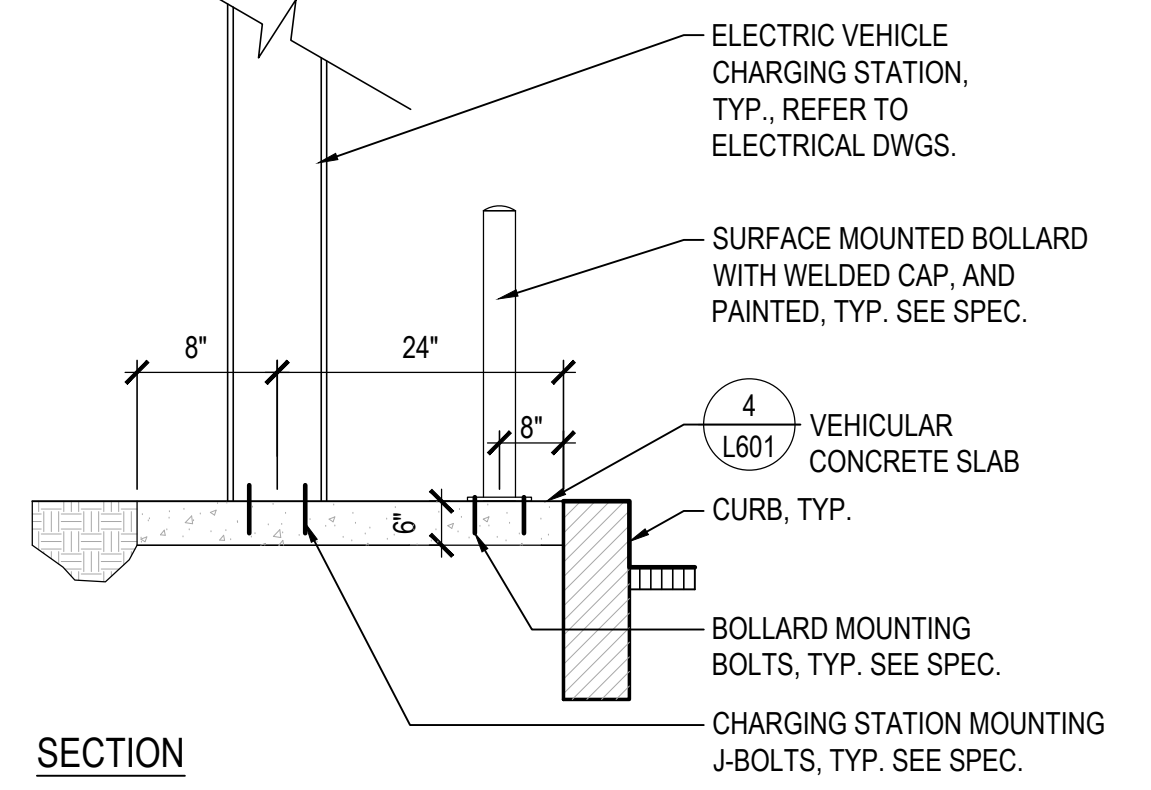
Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L603

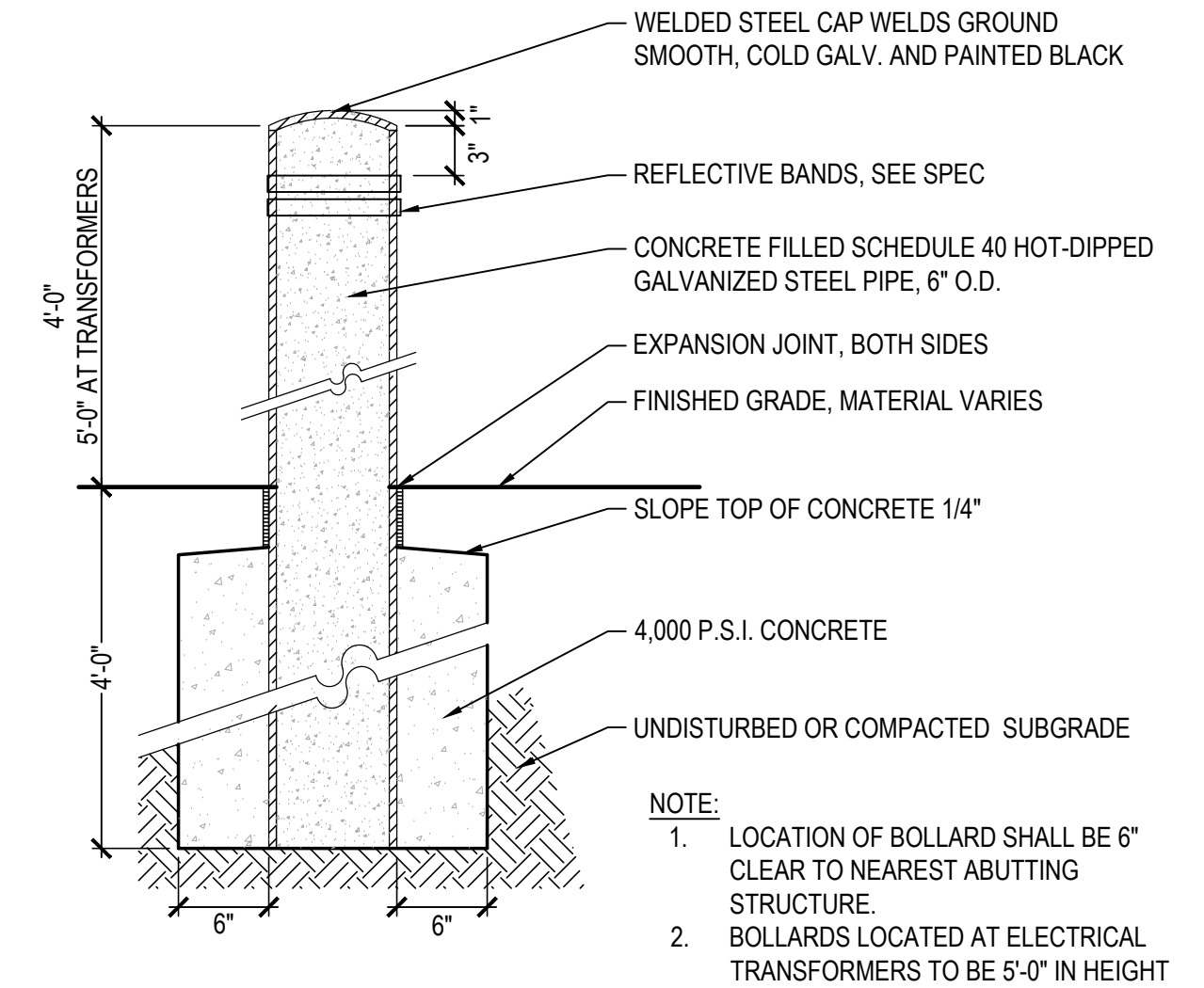
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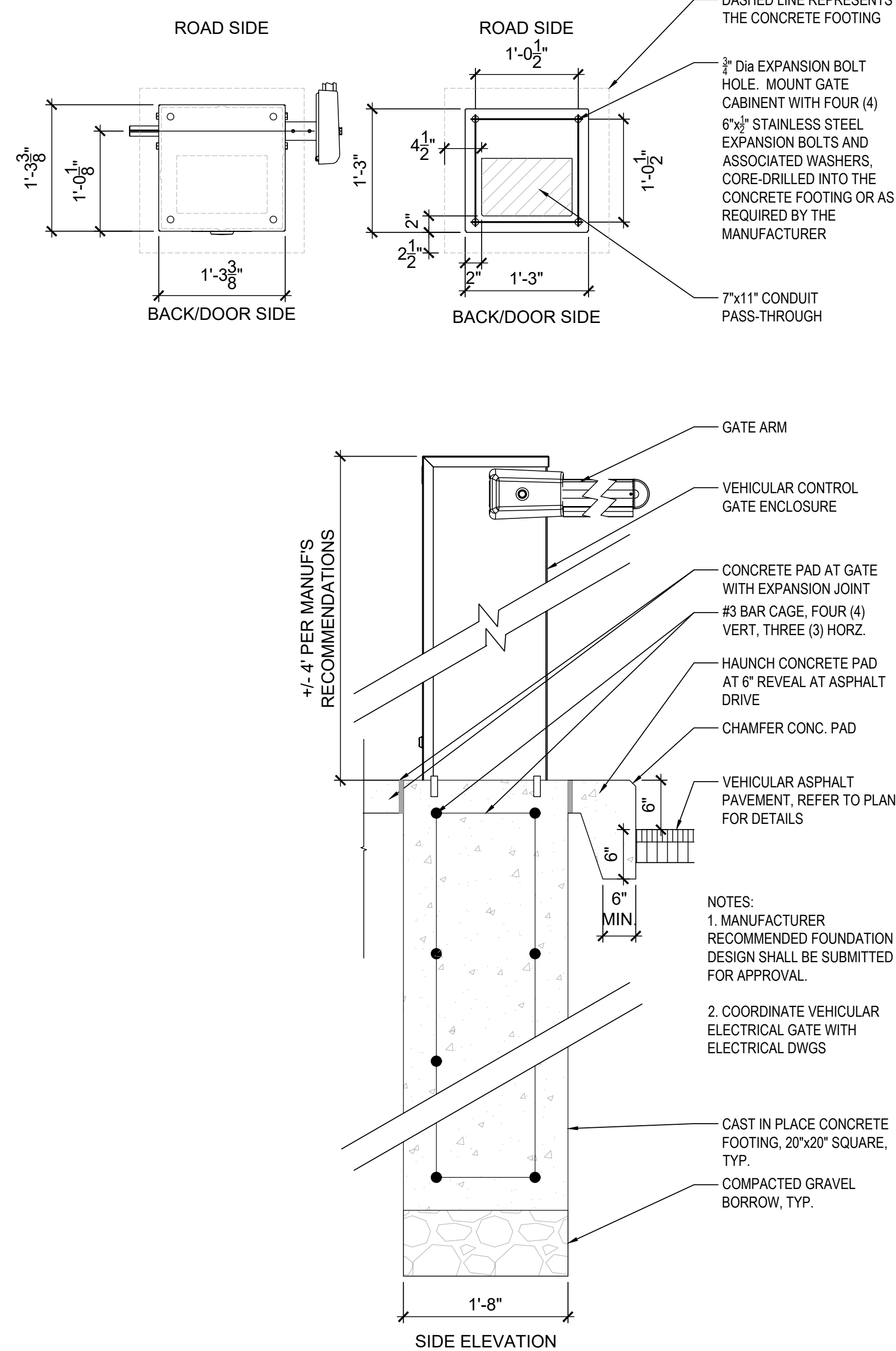
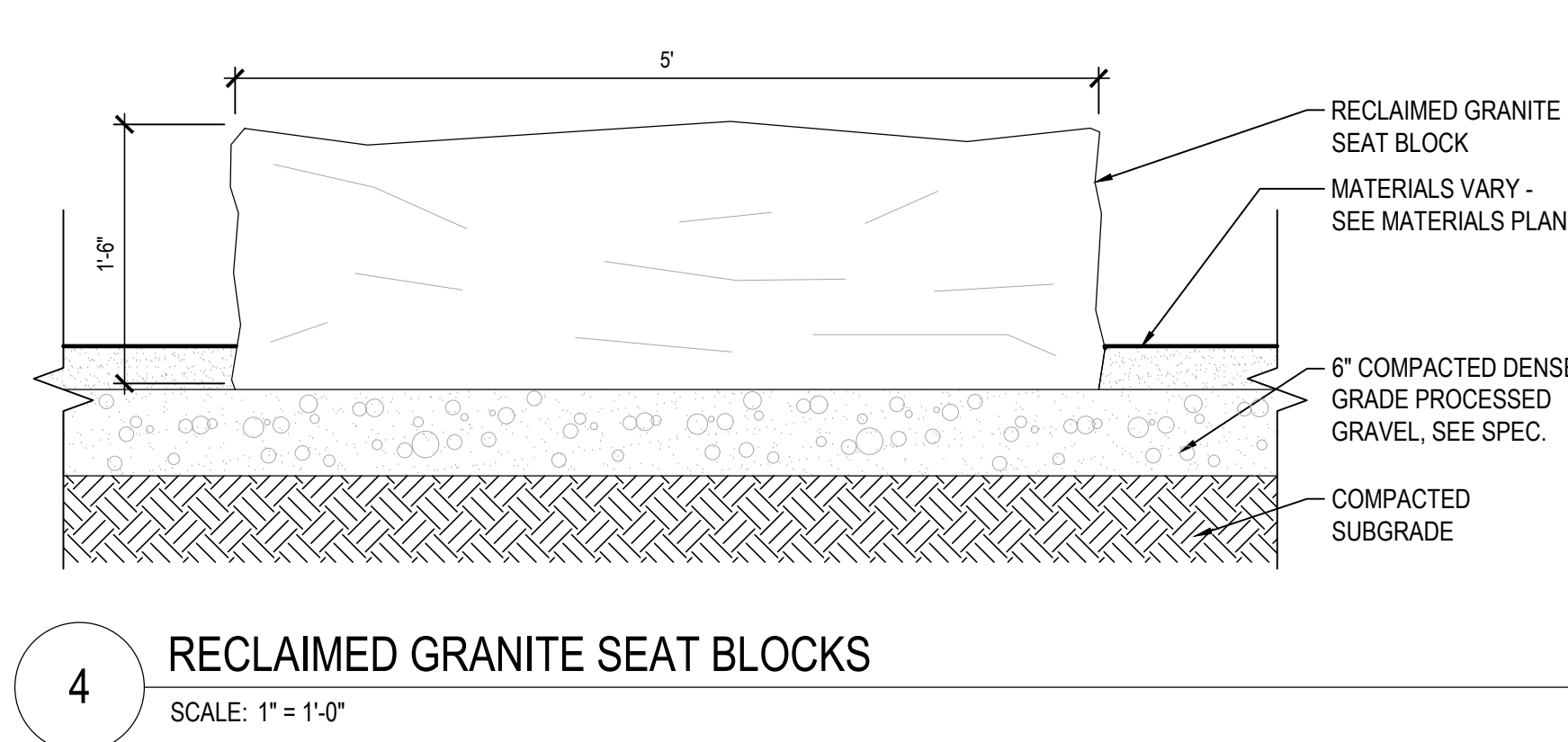
1 LIGHT POLE BASE FOOTING AT PAVEMENT
SCALE: 3/4" = 1'-0"



2 EV CHARGING STATION
SCALE: 1/2" = 1'-0"

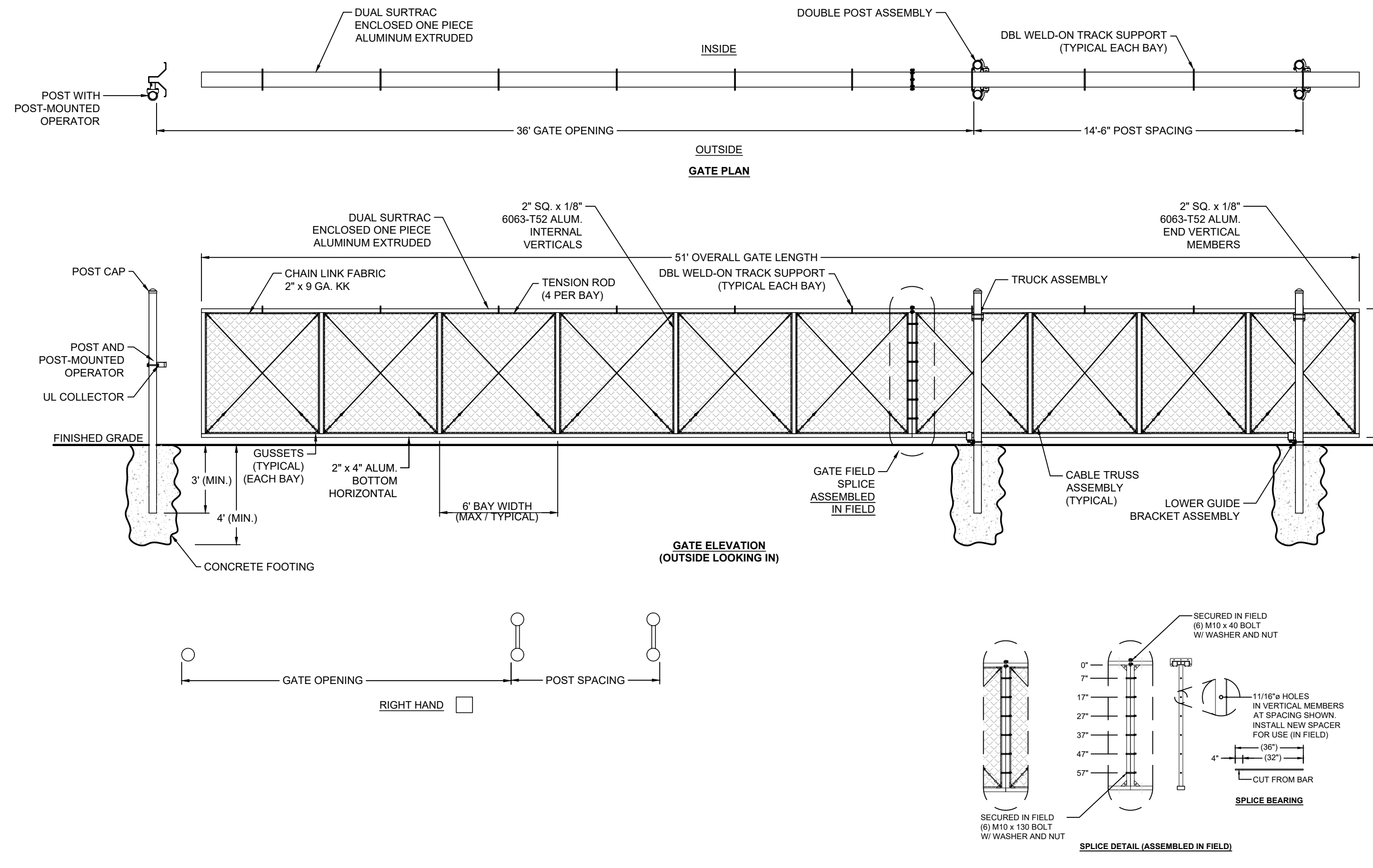


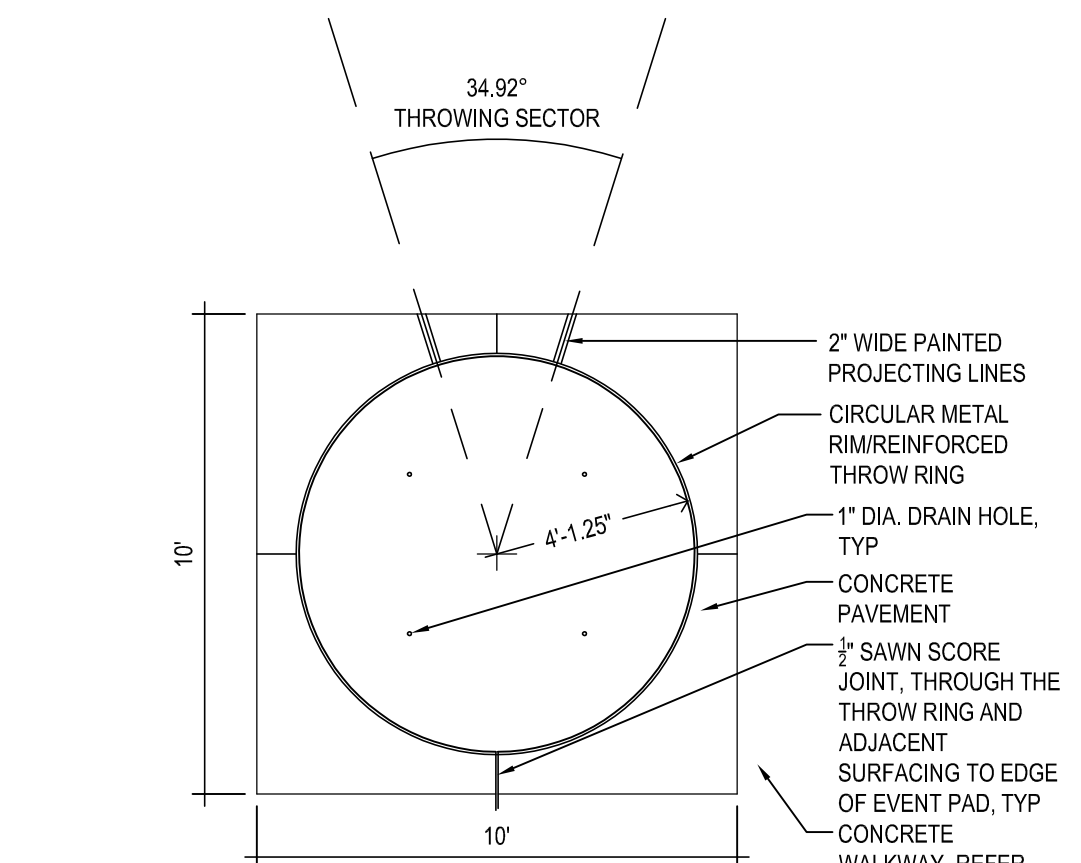
3 CONCRETE FILLED STEEL BOLLARD
SCALE: 1" = 1'-0"



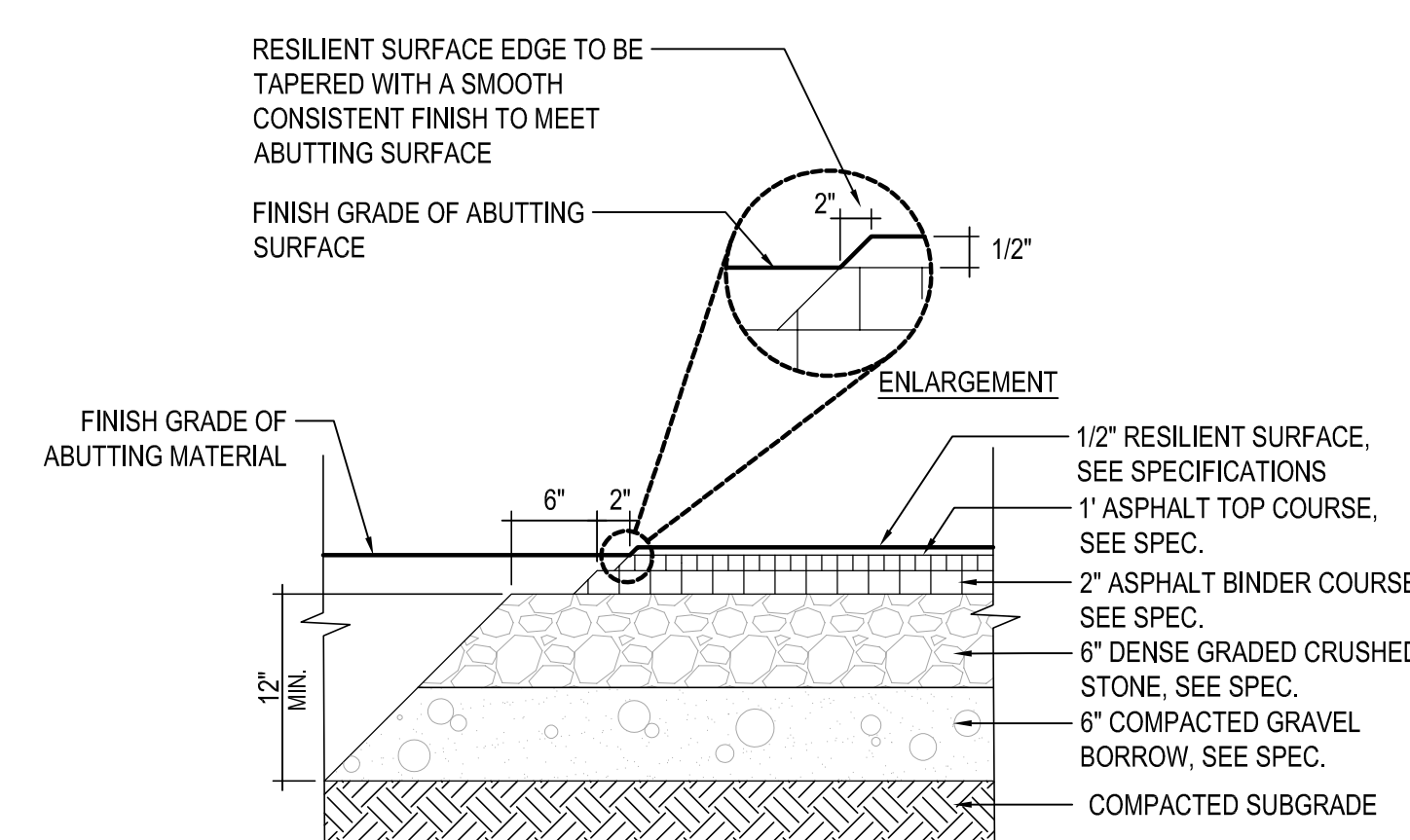
5 AUTOMATIC VEHICULAR GATE
SCALE: 1" = 1'-0"

NOTE:
1. SEE SPECIFICATIONS. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS PRIOR TO FABRICATION.

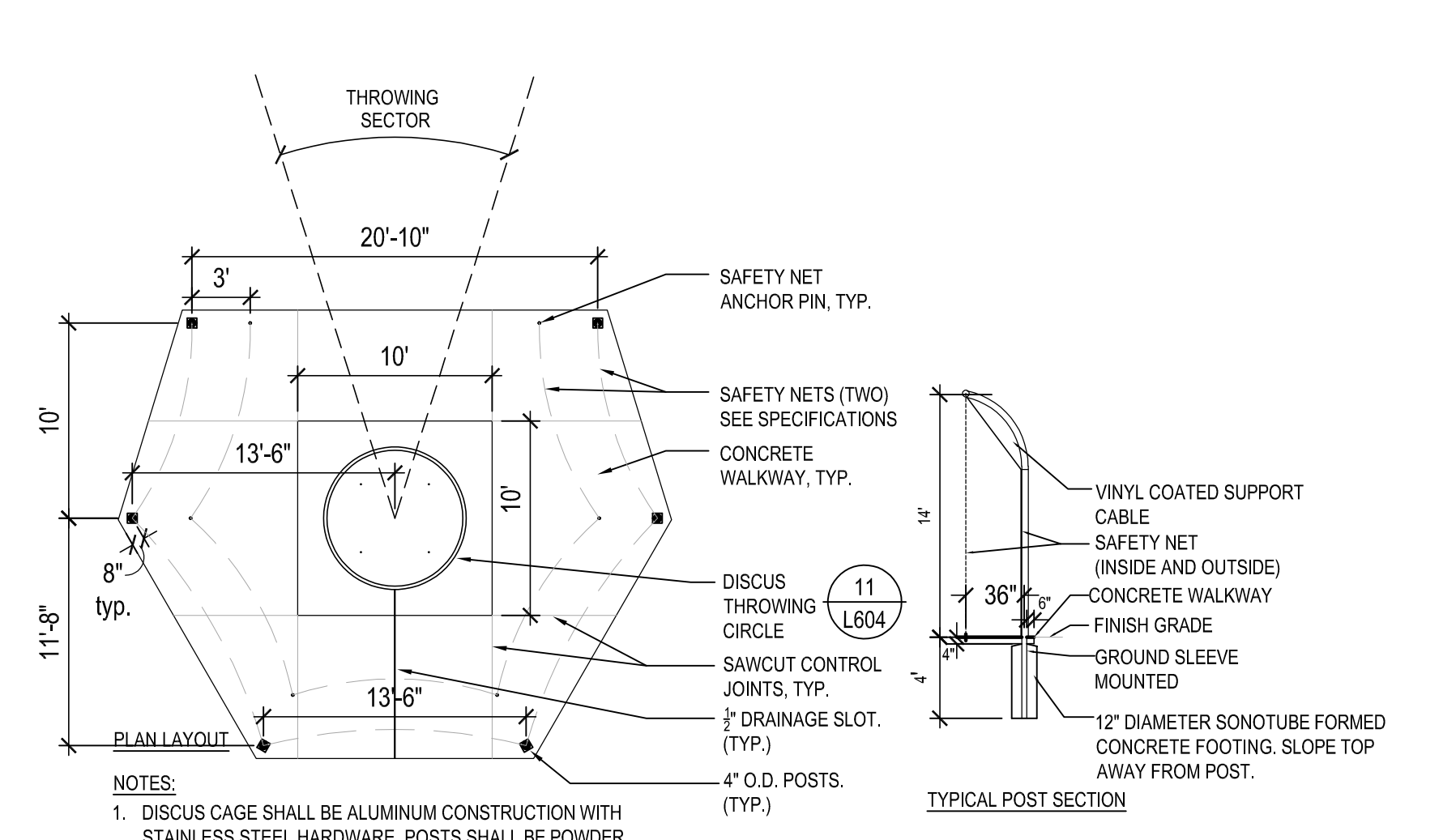




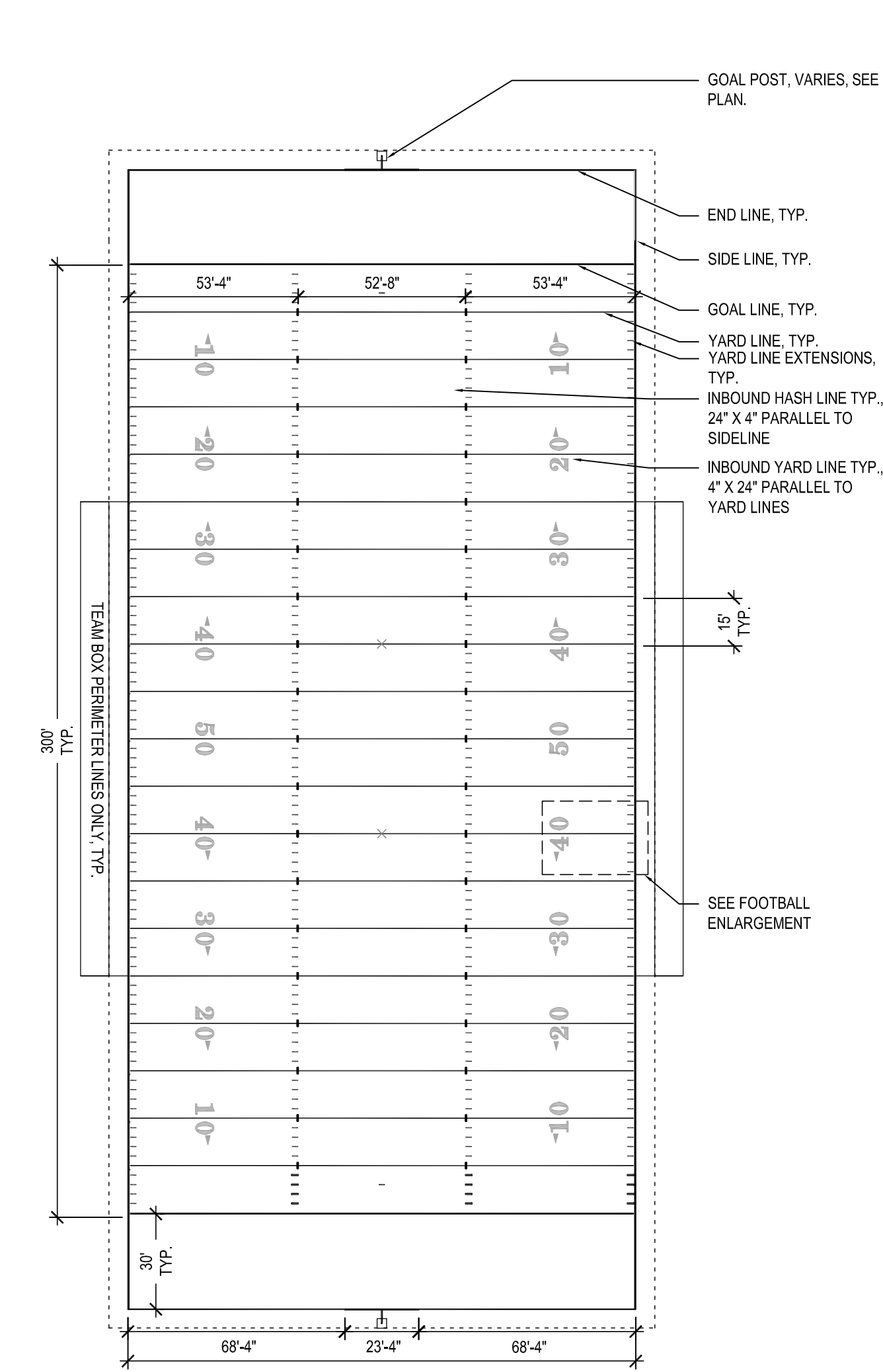
11 DISCUS CIRCLE
SCALE: 1/4" = 1'-0"



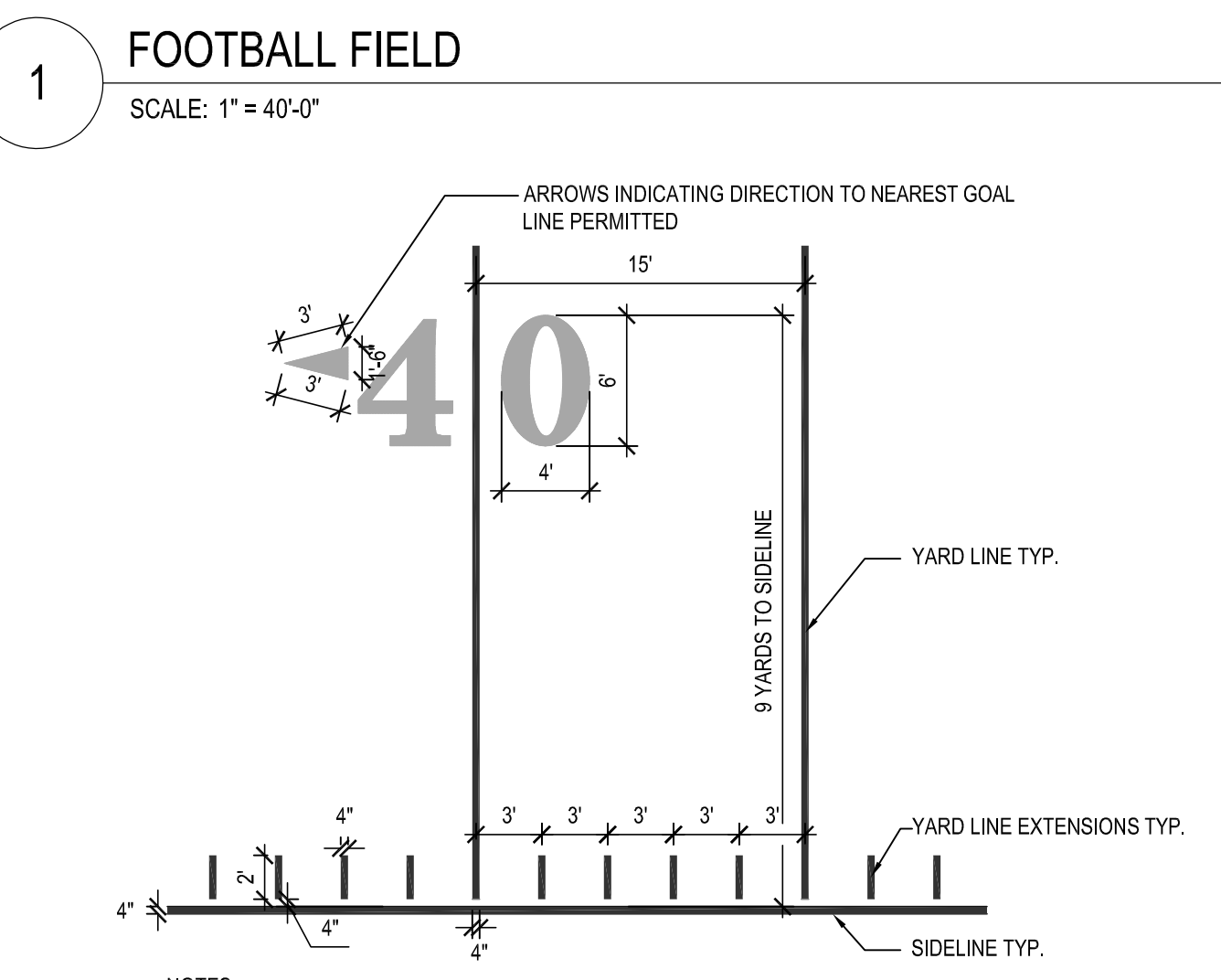
9 RESILIENT TRACK SURFACING
SCALE: 1" = 1'-0"



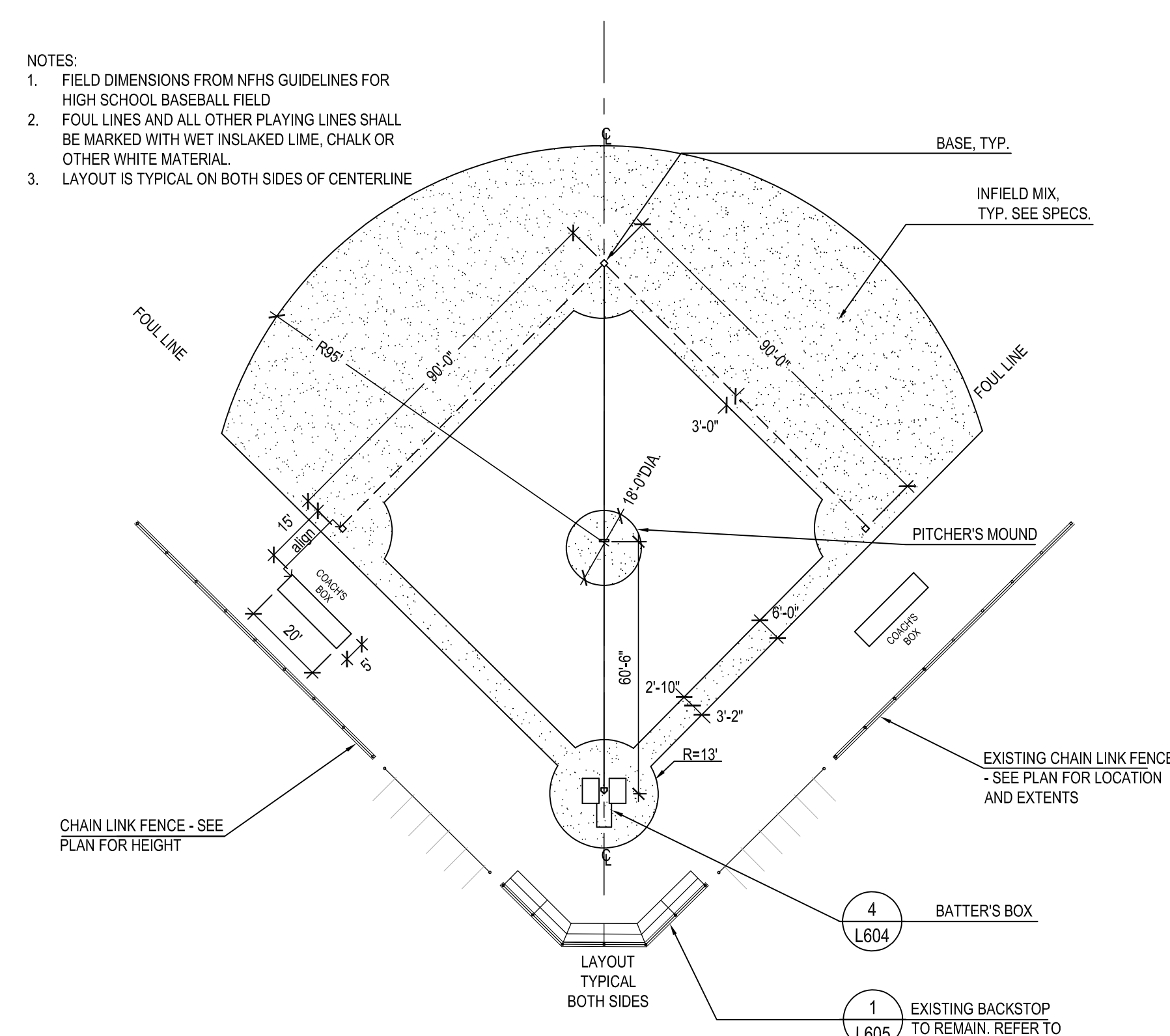
5 DISCUS ENCLOSURE
SCALE: 1/8" = 1'-0"



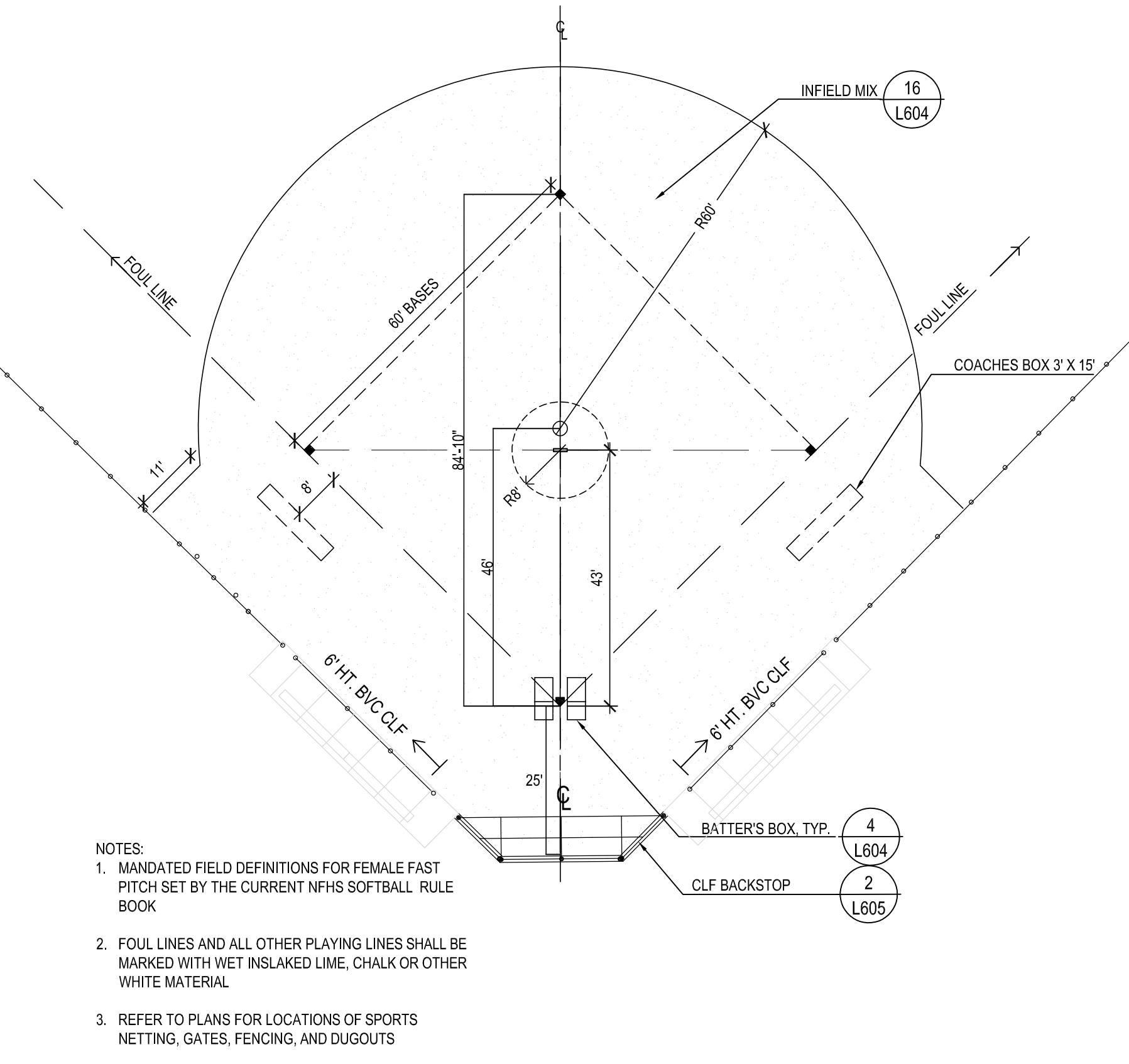
1 FOOTBALL FIELD
SCALE: 1" = 40'-0"



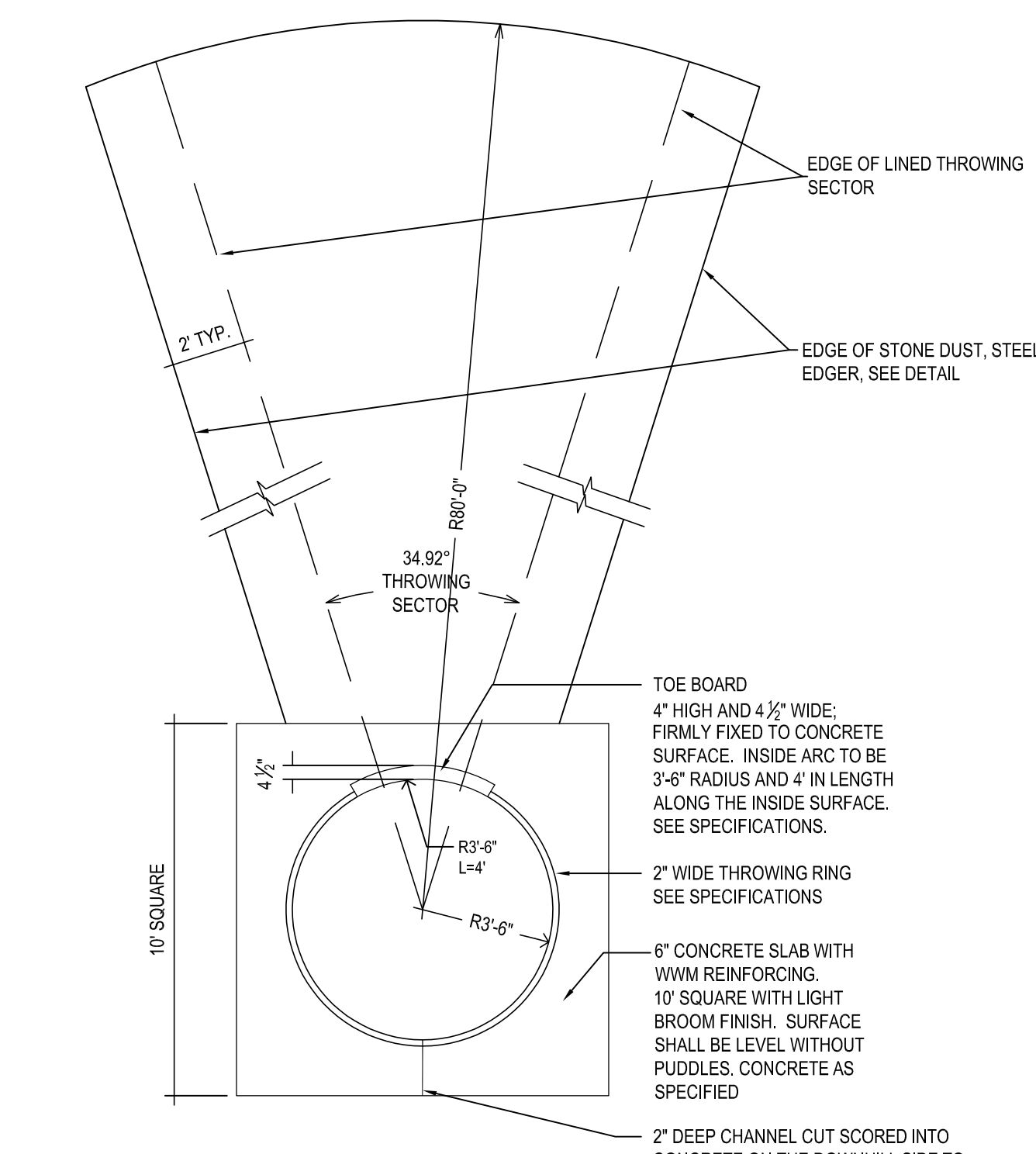
2 FOOTBALL ENLARGEMENT
SCALE: 1/8" = 1'-0"



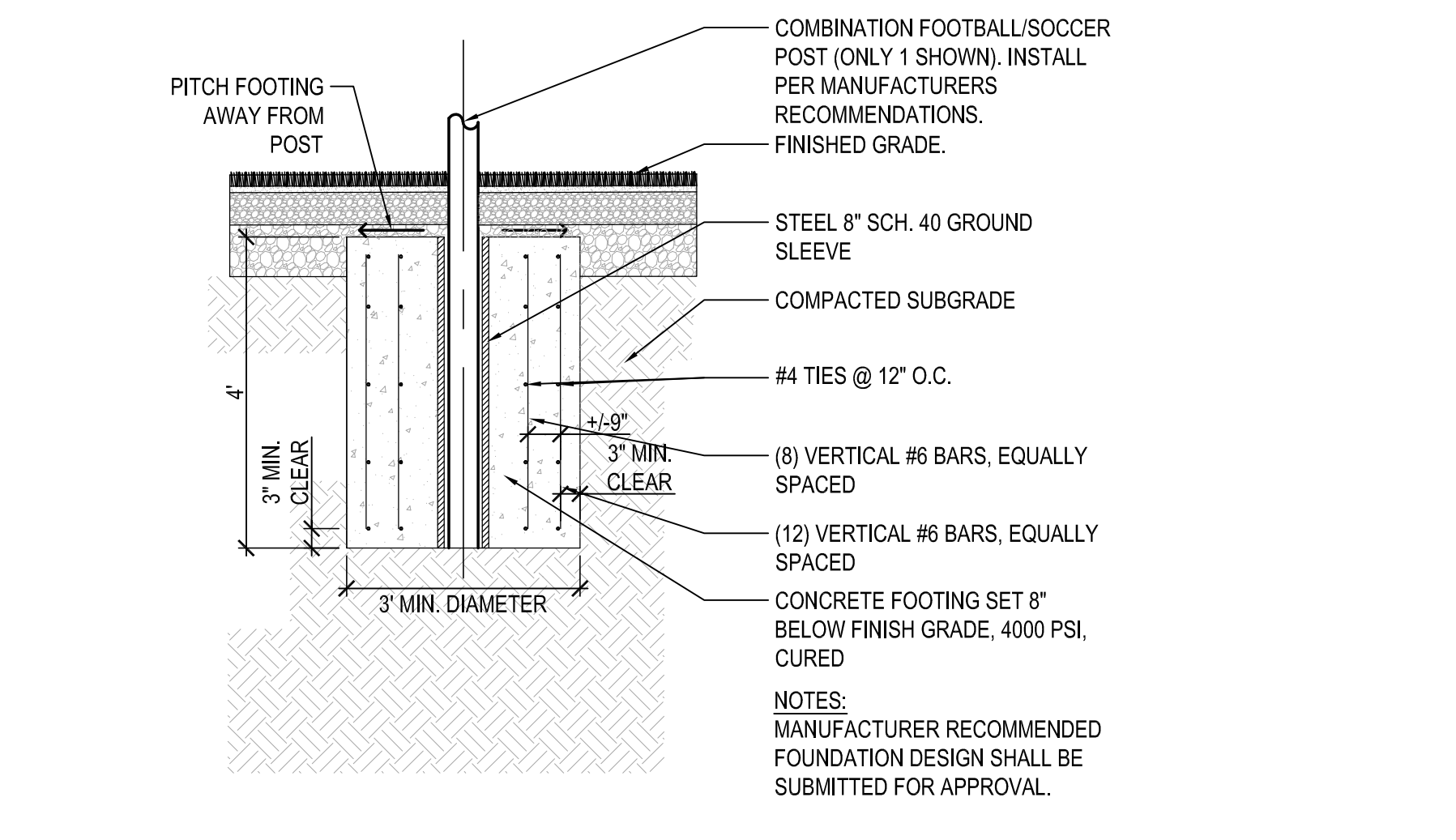
6 BASEBALL INFIELT
SCALE: 1" = 30'-0"



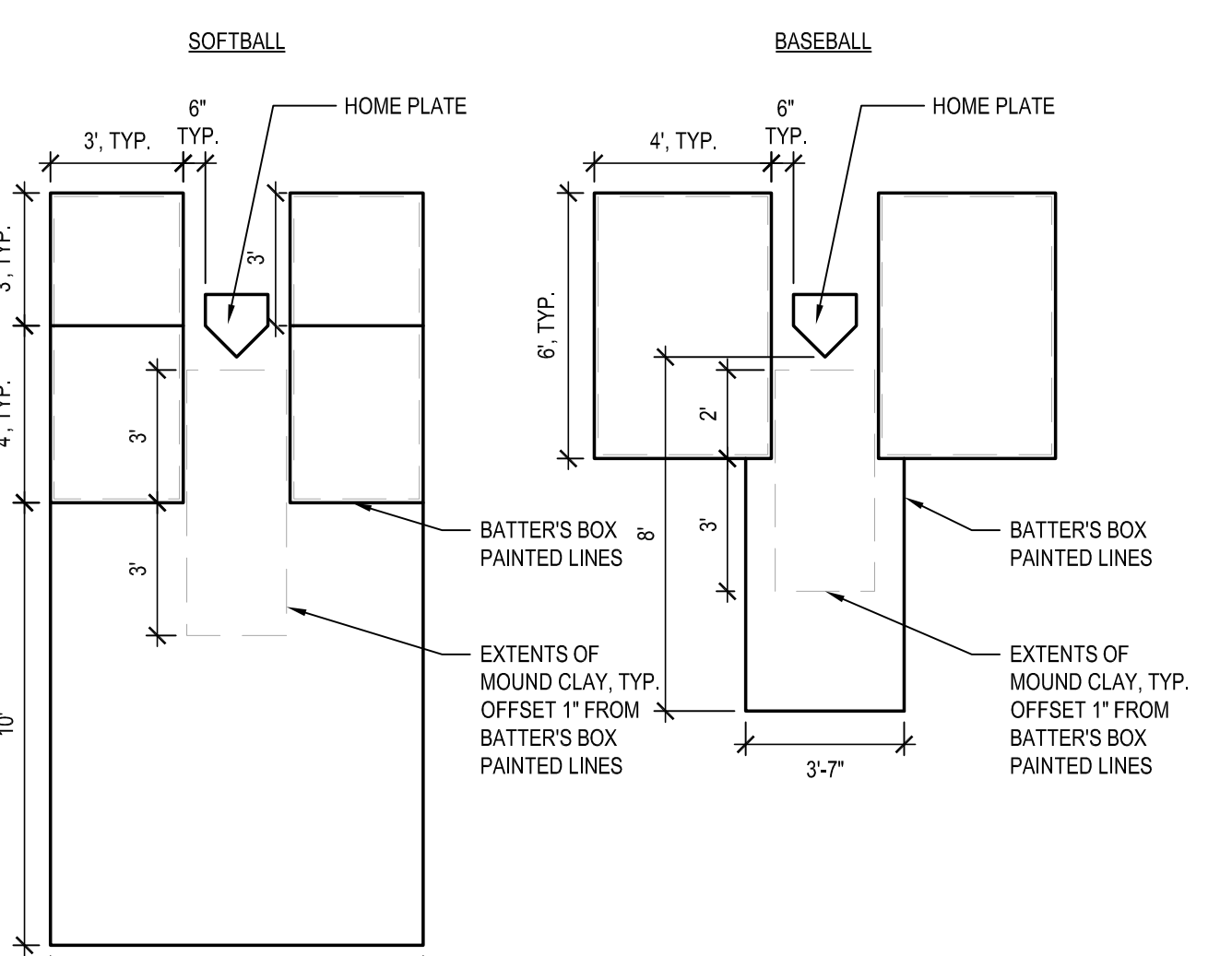
7 SOFTBALL INFIELT
SCALE: 1" = 20'-0"



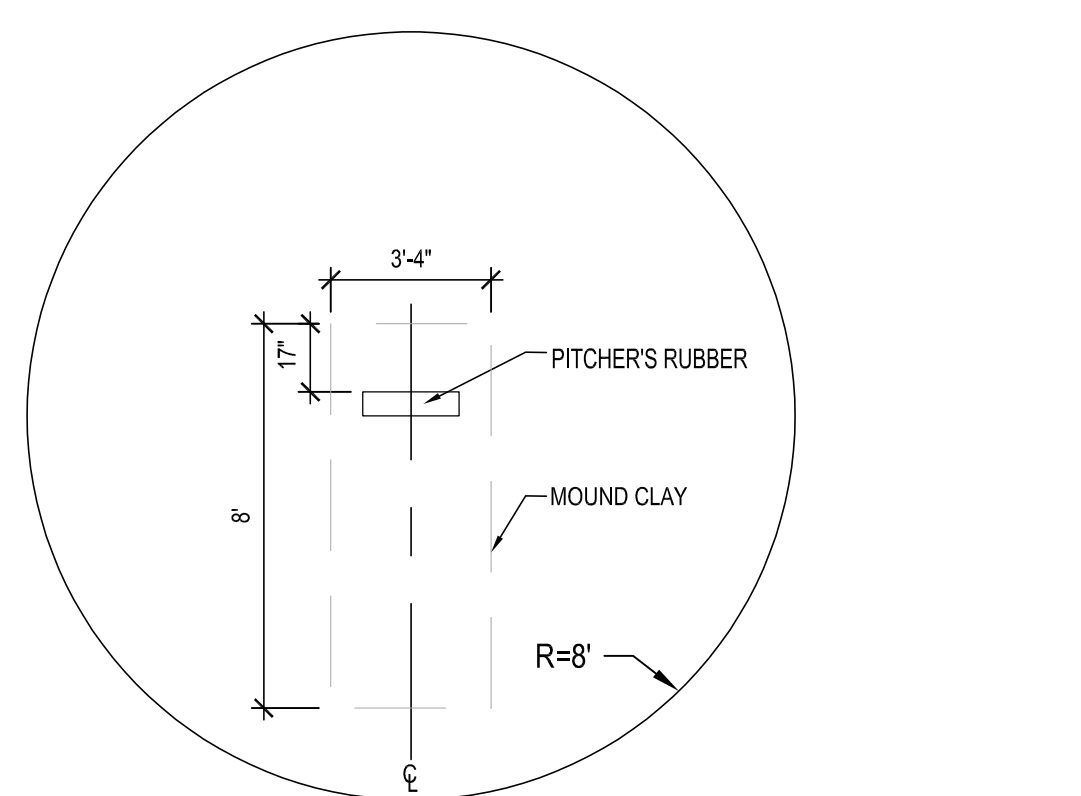
3 SHOTPUT LAYOUT
SCALE: 1/4" = 1'-0"



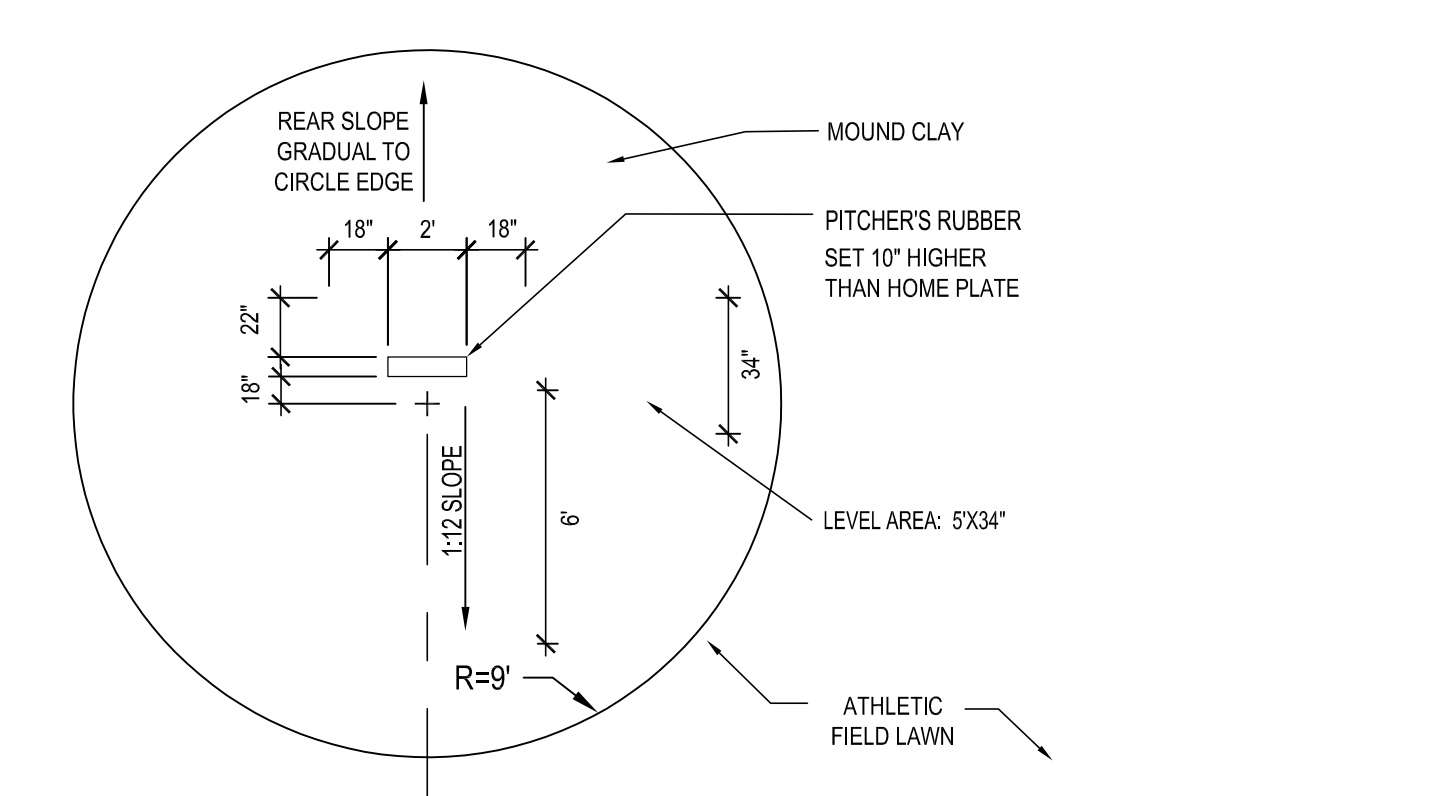
8 H-STYLE GOAL POST FOOTING
SCALE: 1/2" = 1'-0"



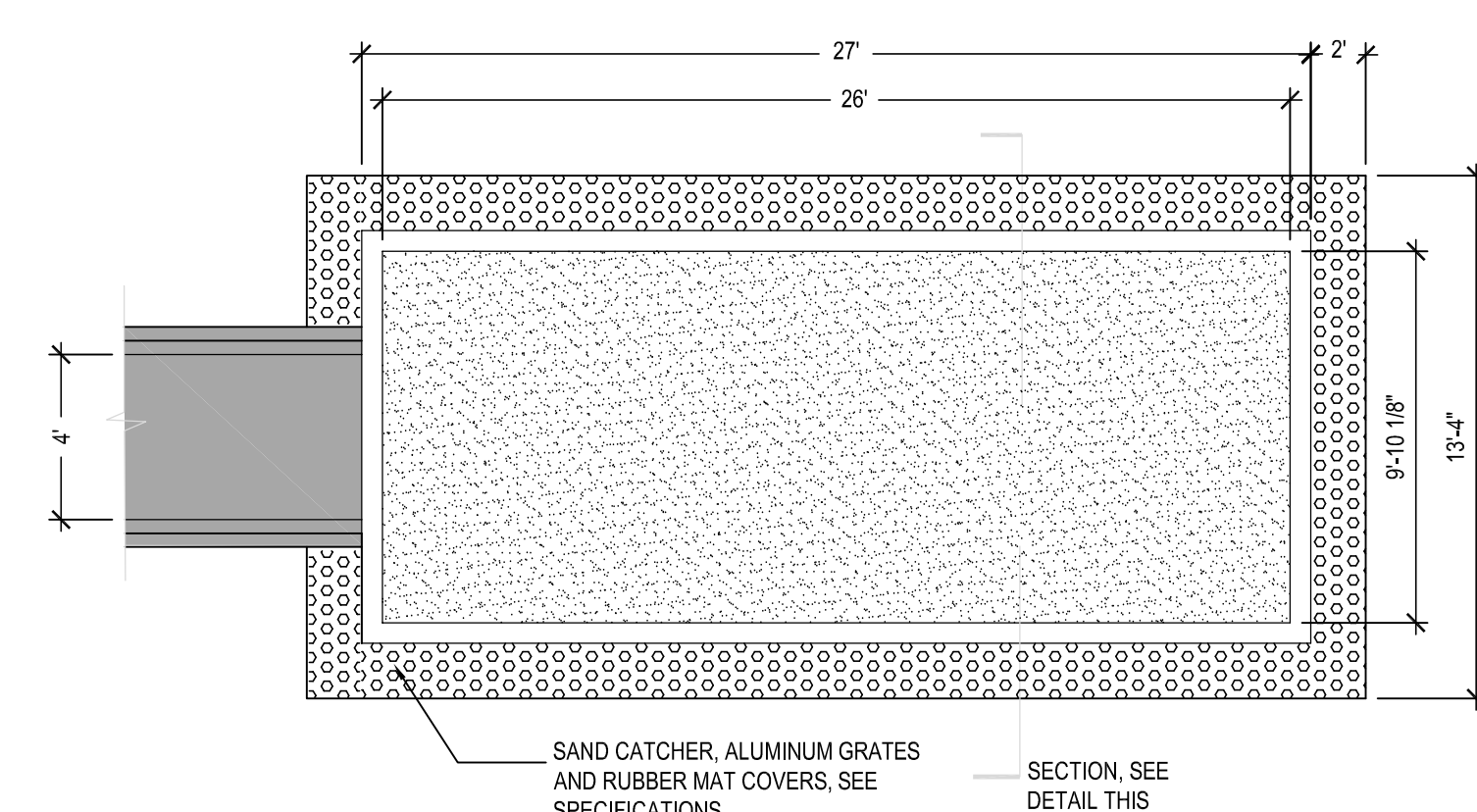
4 BATTER'S BOX
SCALE: 1/4" = 1'-0"



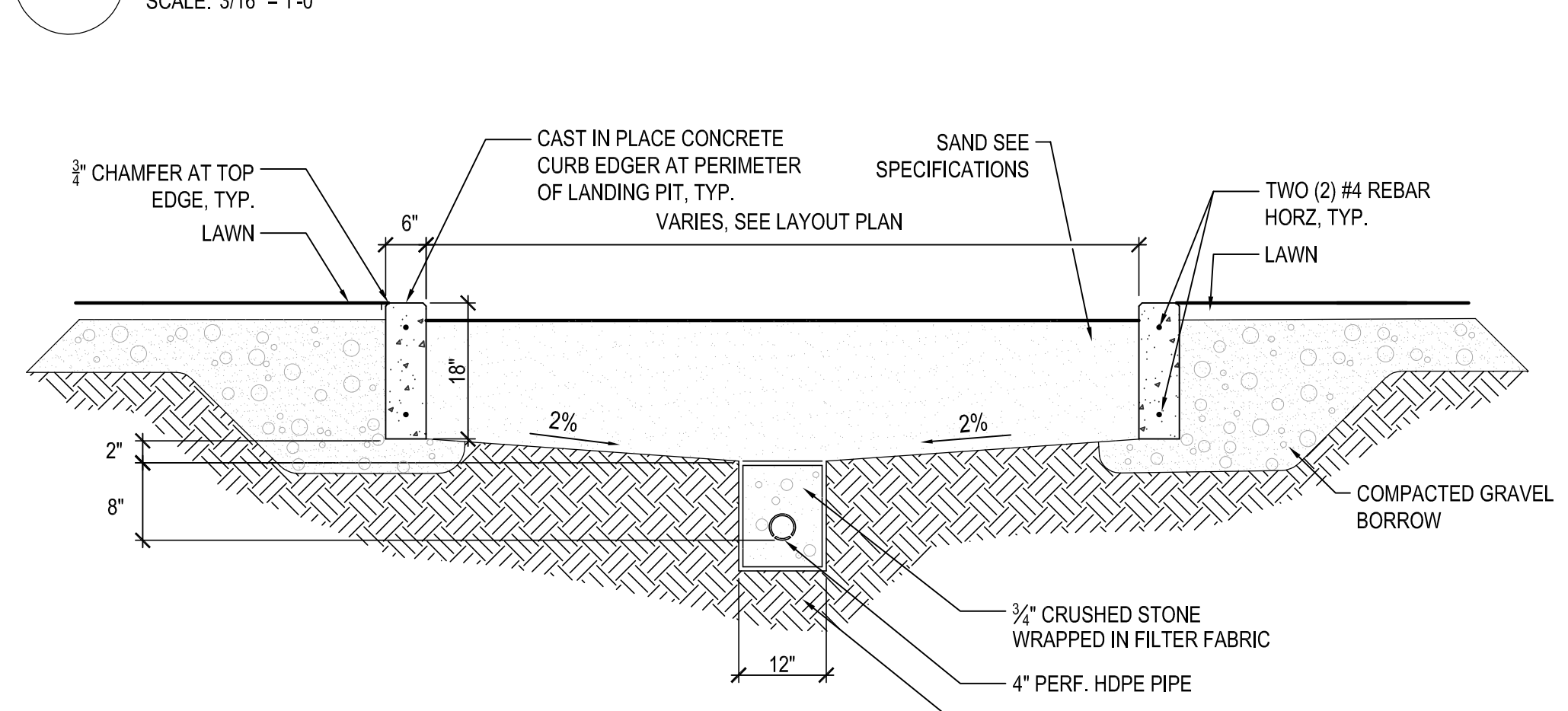
12 SOFTBALL PITCHER'S MOUND
SCALE: 1/4" = 1'-0"



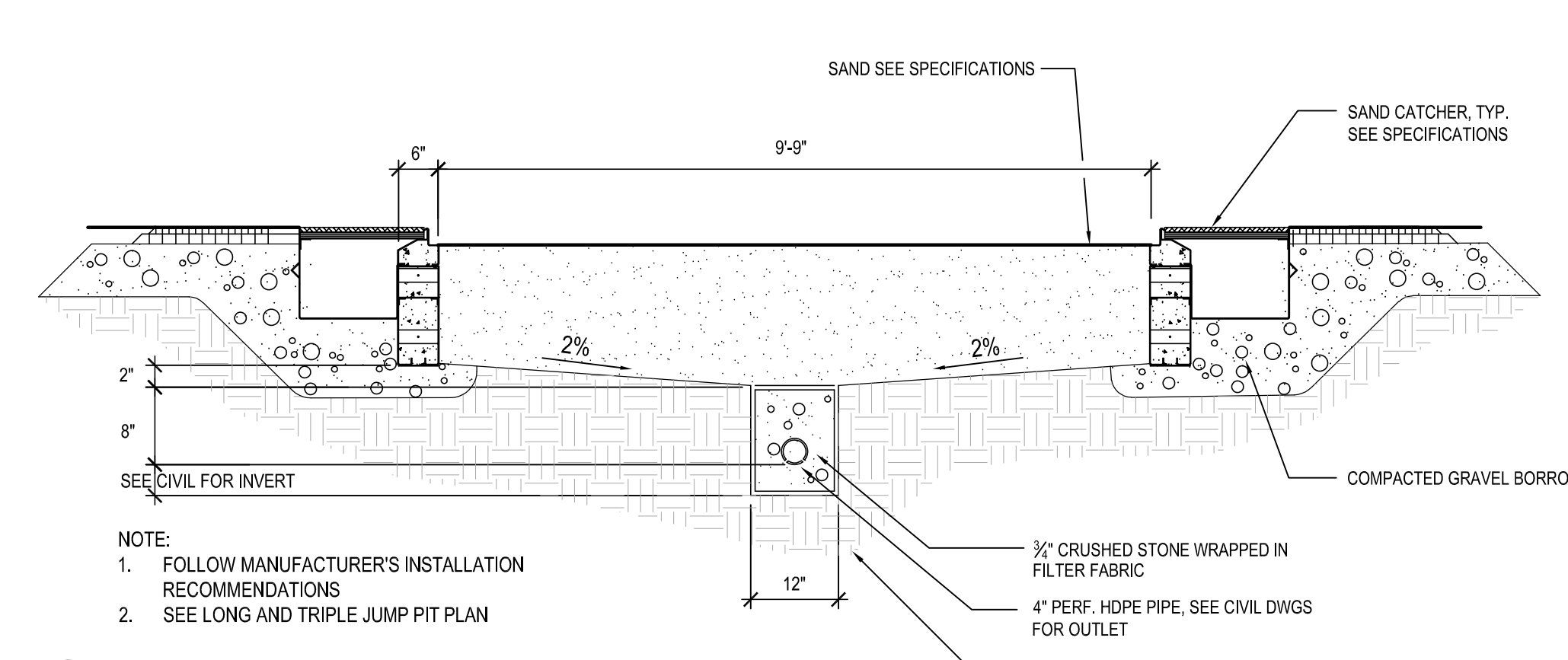
10 BASEBALL PITCHER'S MOUND
SCALE: 1/4" = 1'-0"



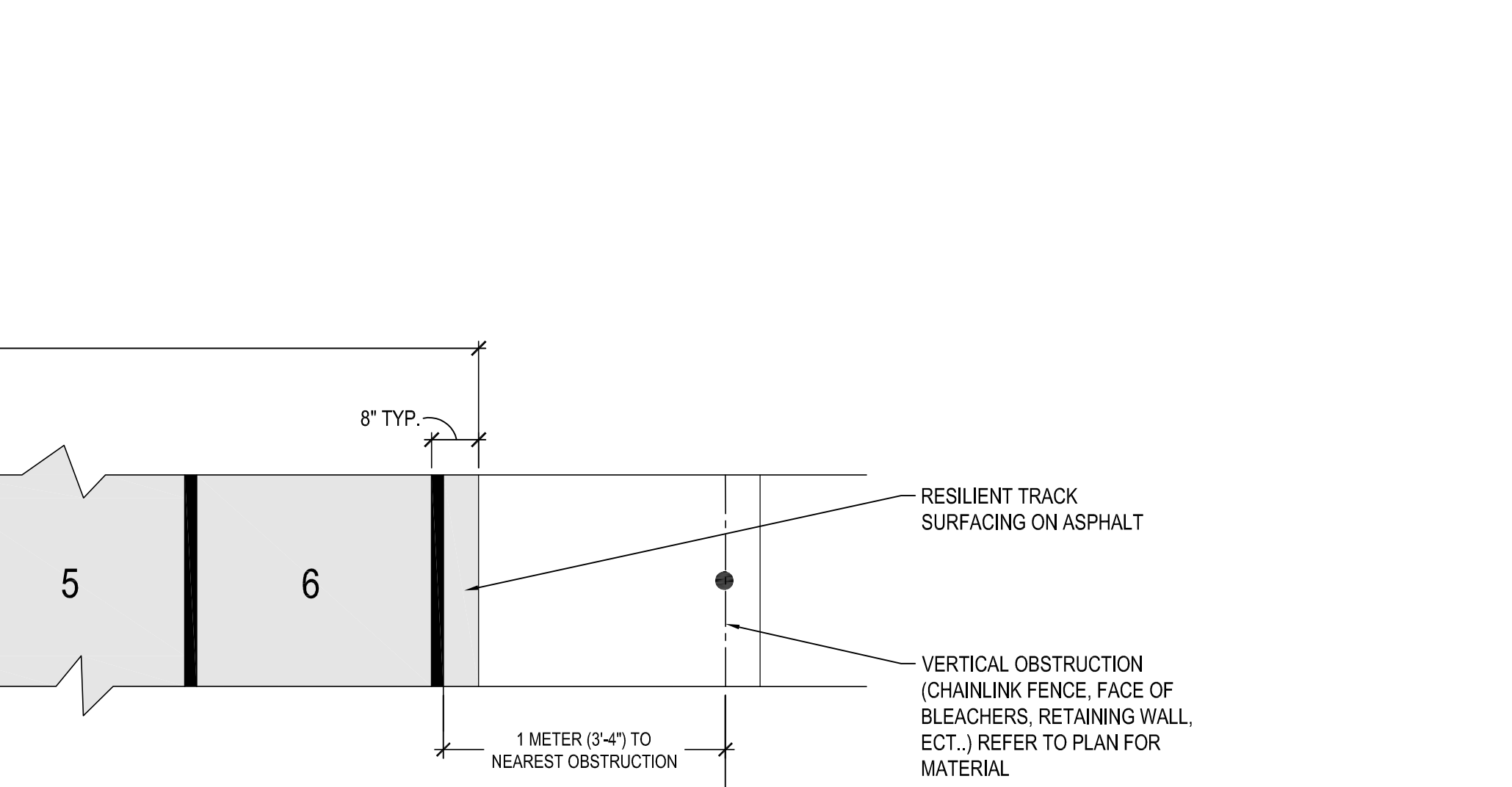
13 LONG JUMP PIT PLAN
SCALE: 3/16" = 1'-0"



14 LONG JUMP PIT CAST IN PLACE EDGER
SCALE: 1/2" = 1'-0"

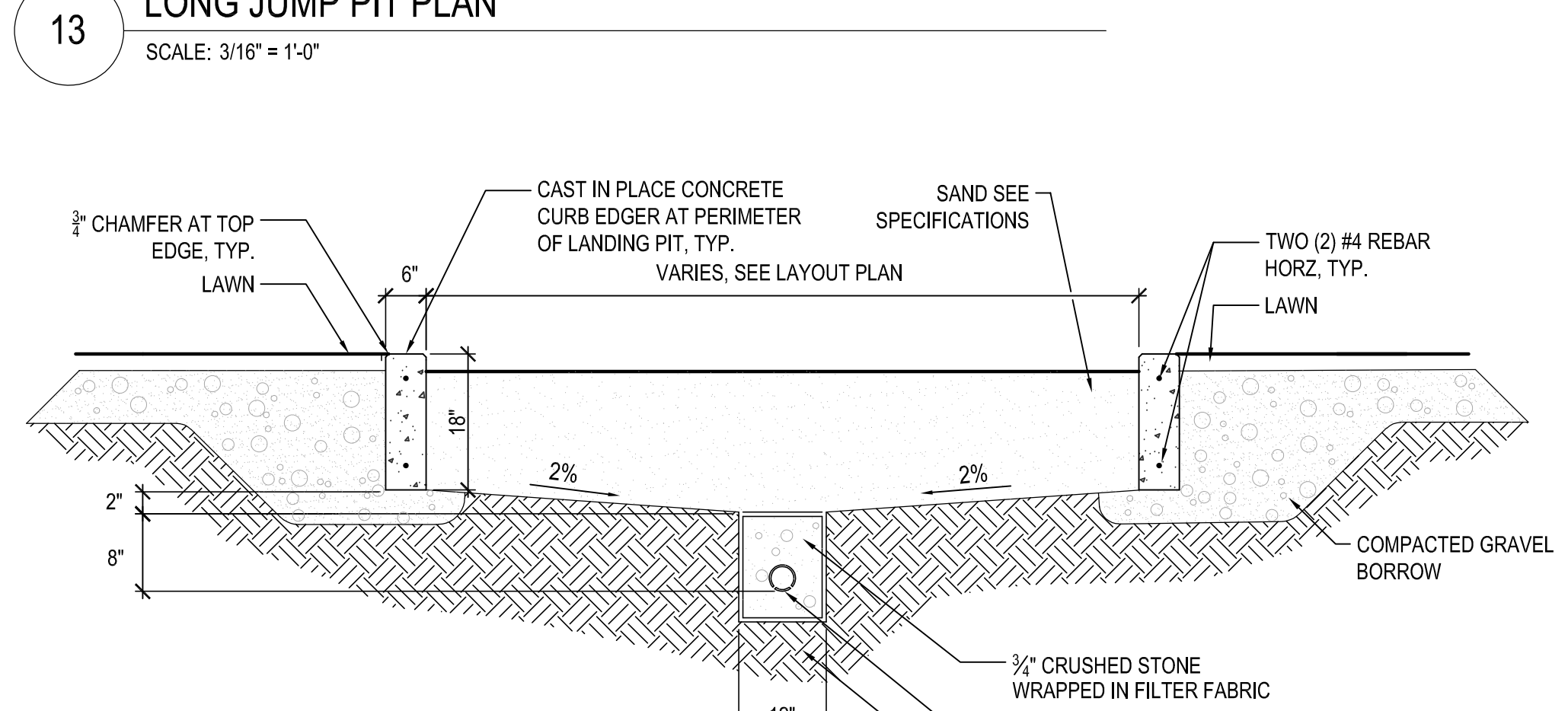


15 LONG JUMP SECTION
SCALE: 1/2" = 1'-0"

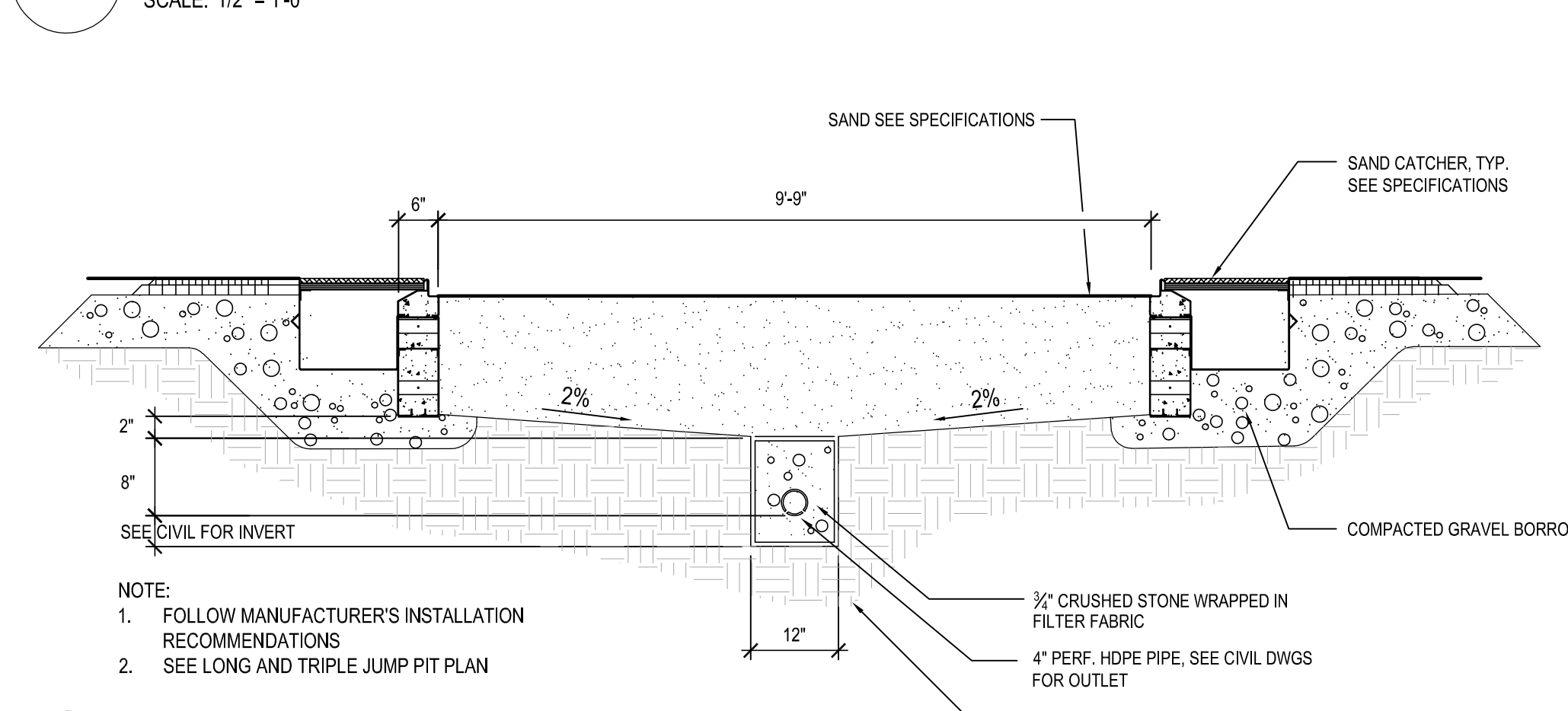


19 TRACK LANE DETAIL
SCALE: 1/2" = 1'-0"

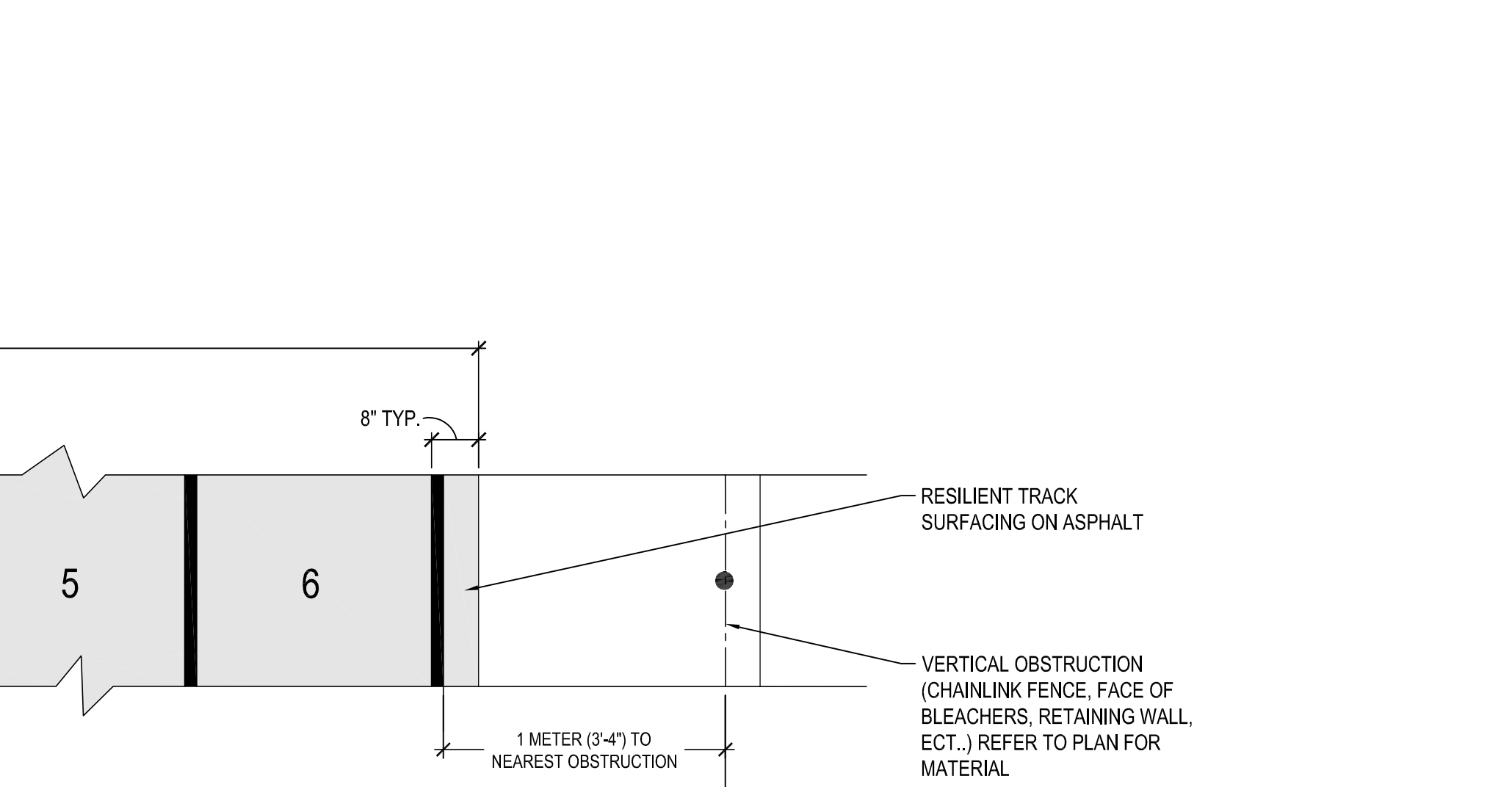
16 INFIELT MIX
SCALE: 1" = 1'-0"



17 NATURAL GRASS ATHLETIC FIELD PROFILE
SCALE: 1" = 1'-0"



18 DRAIN AT TRACK
SCALE: 1" = 1'-0"



19 TRACK LANE DETAIL
SCALE: 1/2" = 1'-0"

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August 28, 2023

LANDSCAPE DETAILS - 4

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L604

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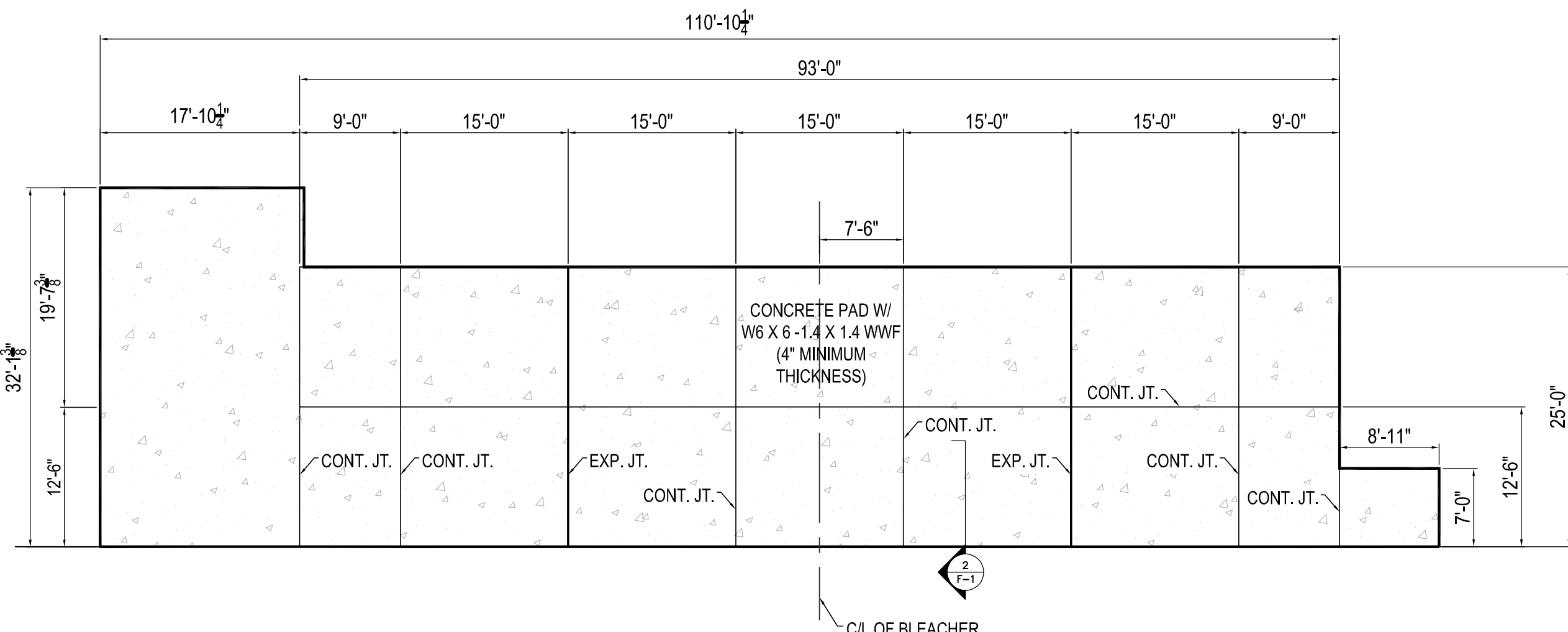
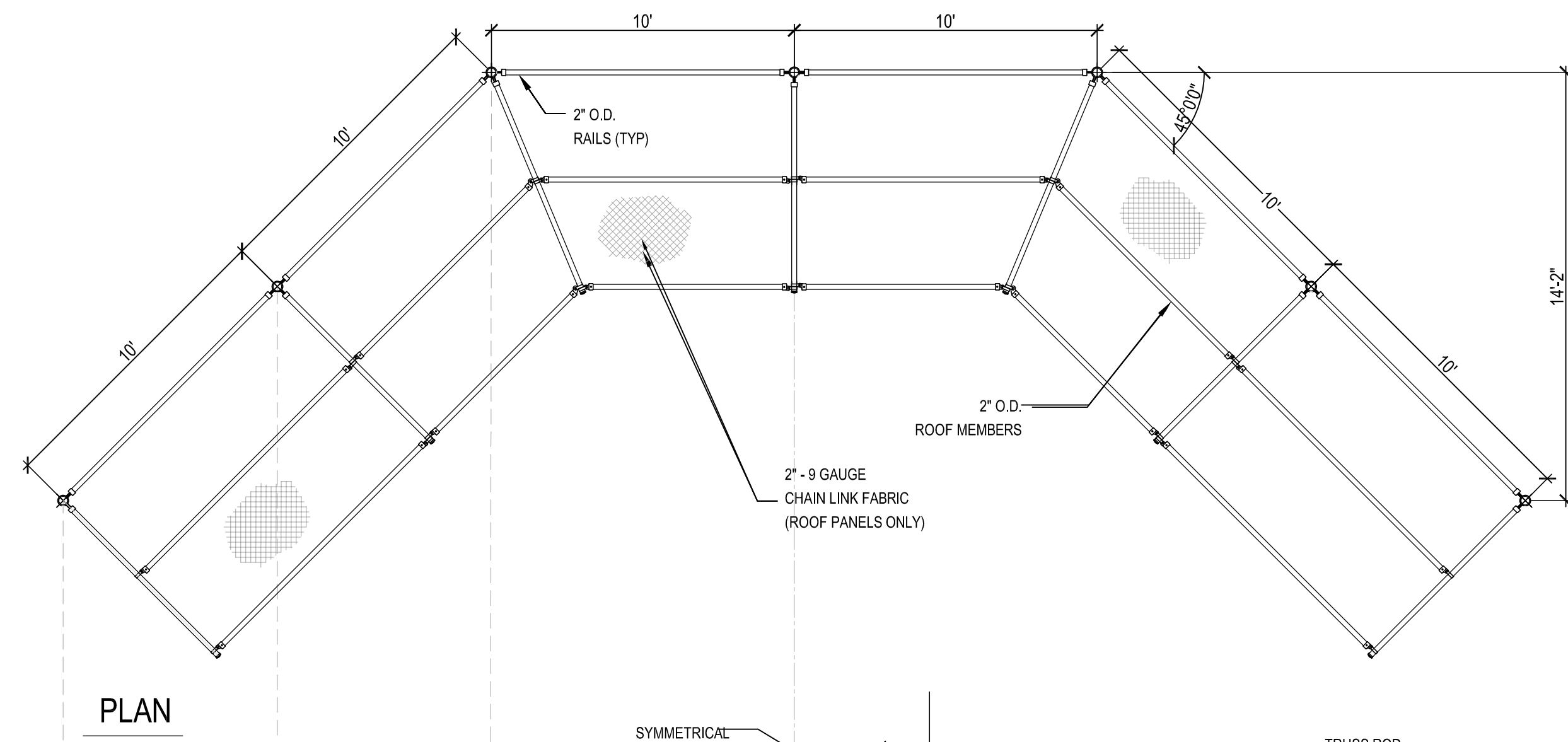
BID SET

August 28, 2023

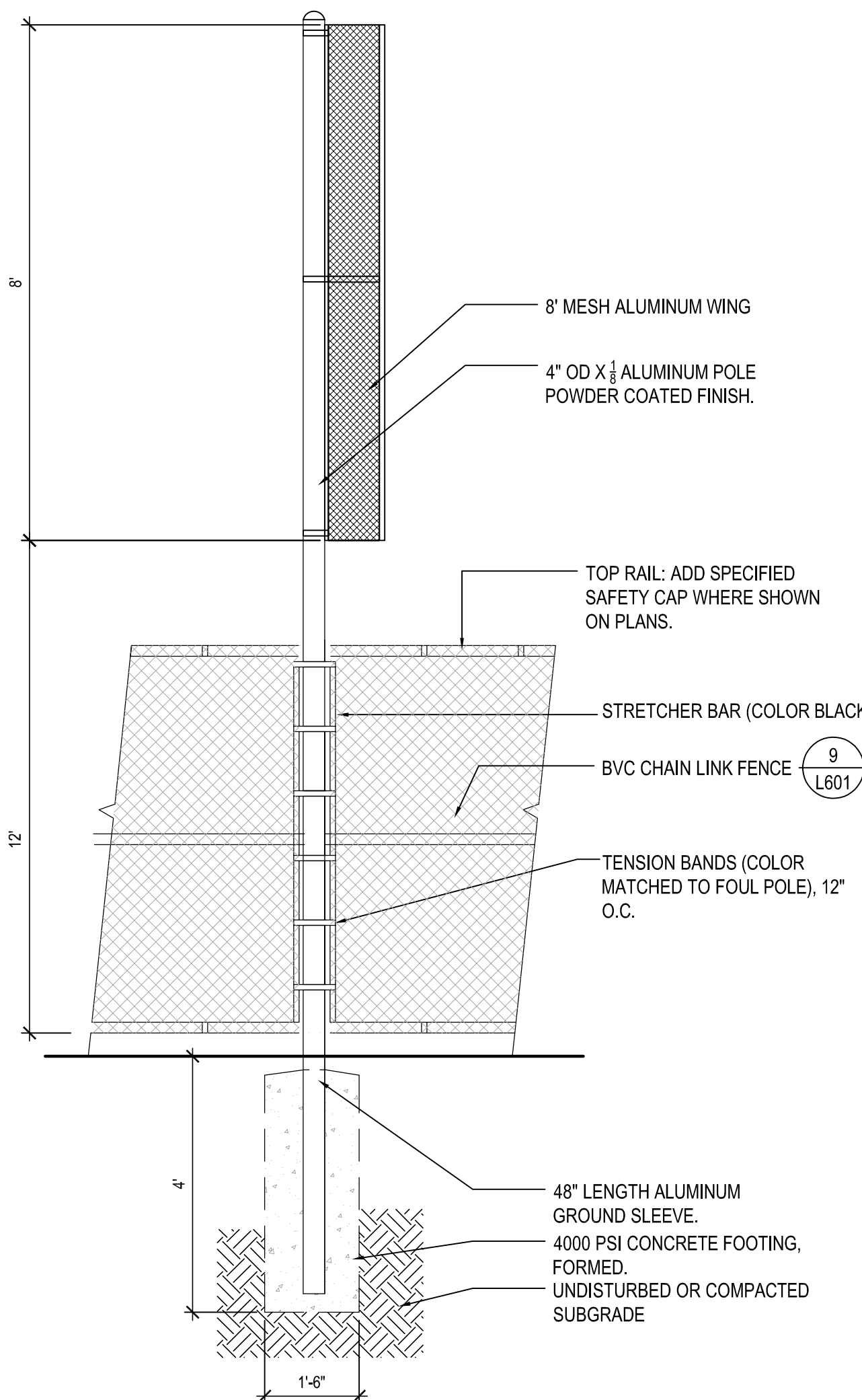
**LANDSCAPE
DETAILS - 5**

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

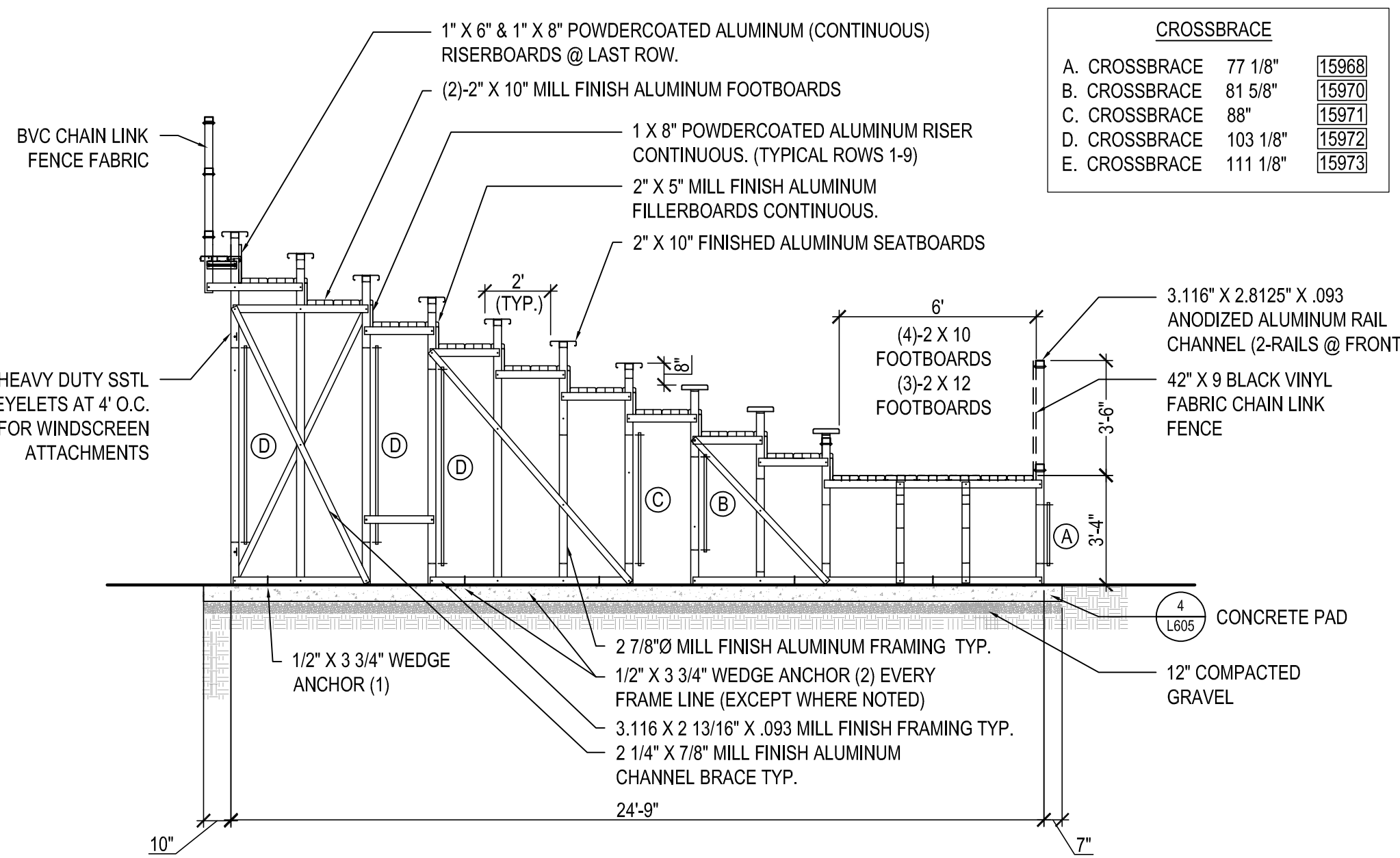
L605



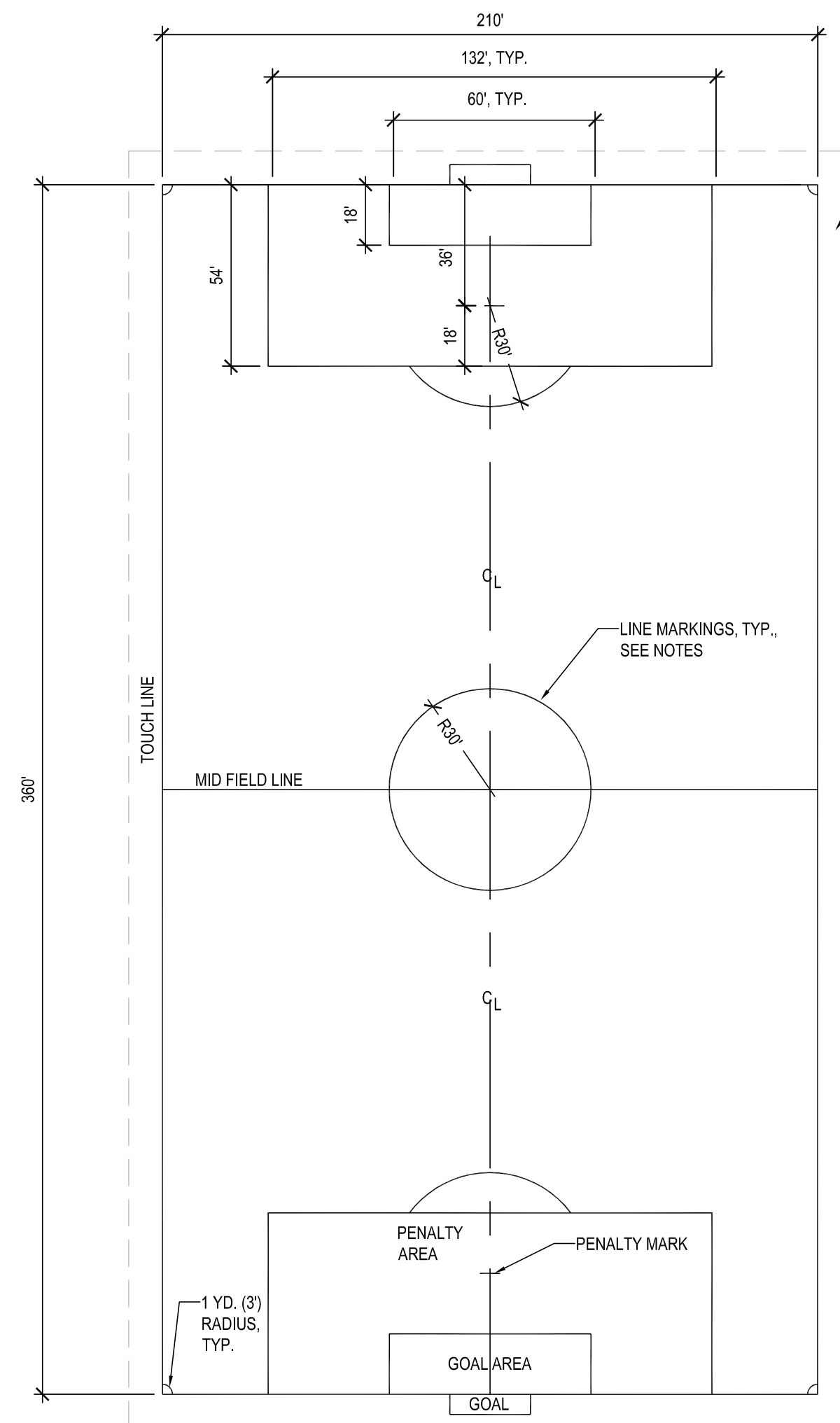
4 BLEACHER FOUNDATION LAYOUT
SCALE: 3/32" = 1'-0"



7 FOUL POLE AT CLF
SCALE: 1/2" = 1'-0"

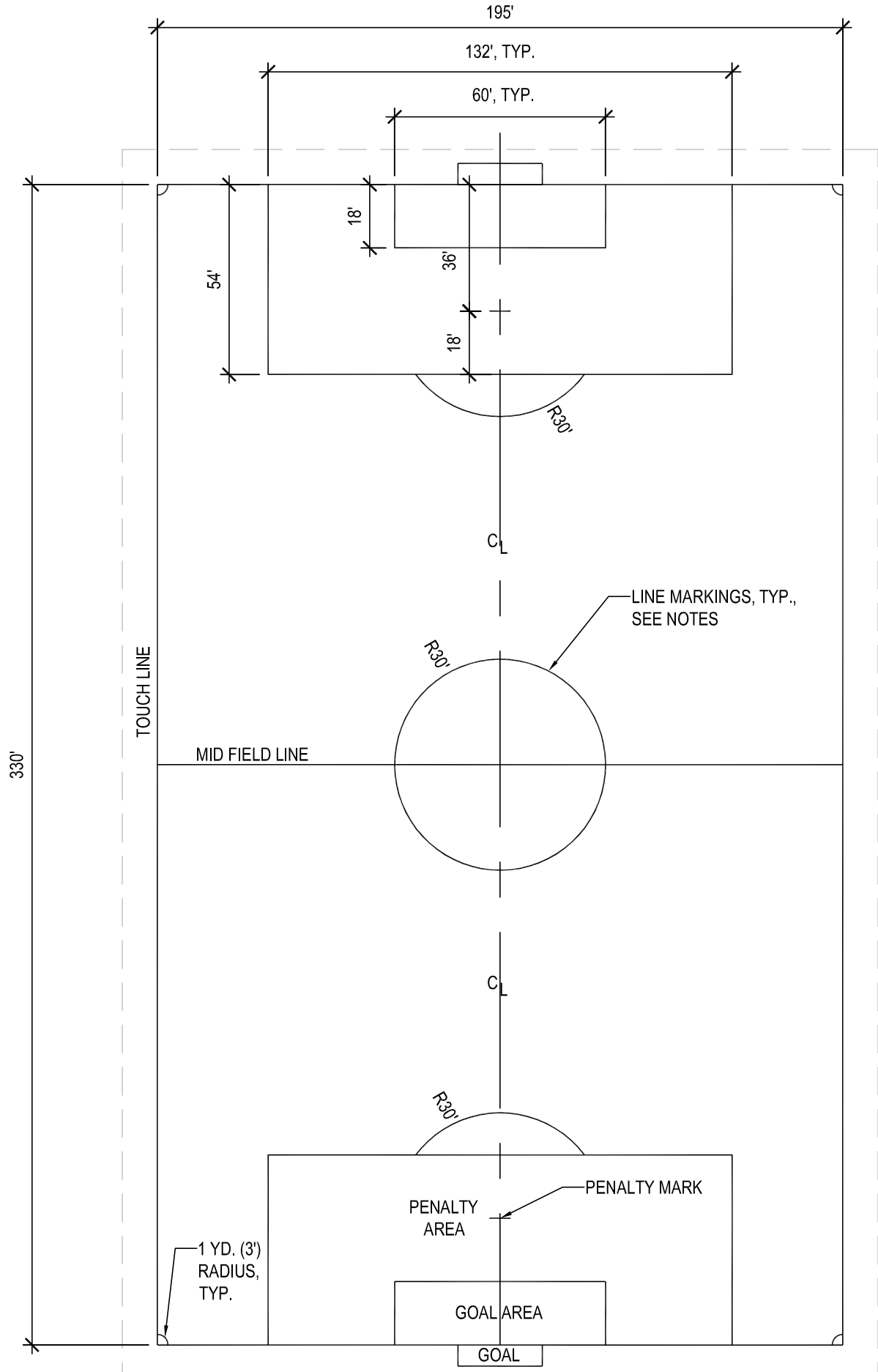


5 BLEACHER SIDE ELEVATION
SCALE: 1/4" = 1'-0"



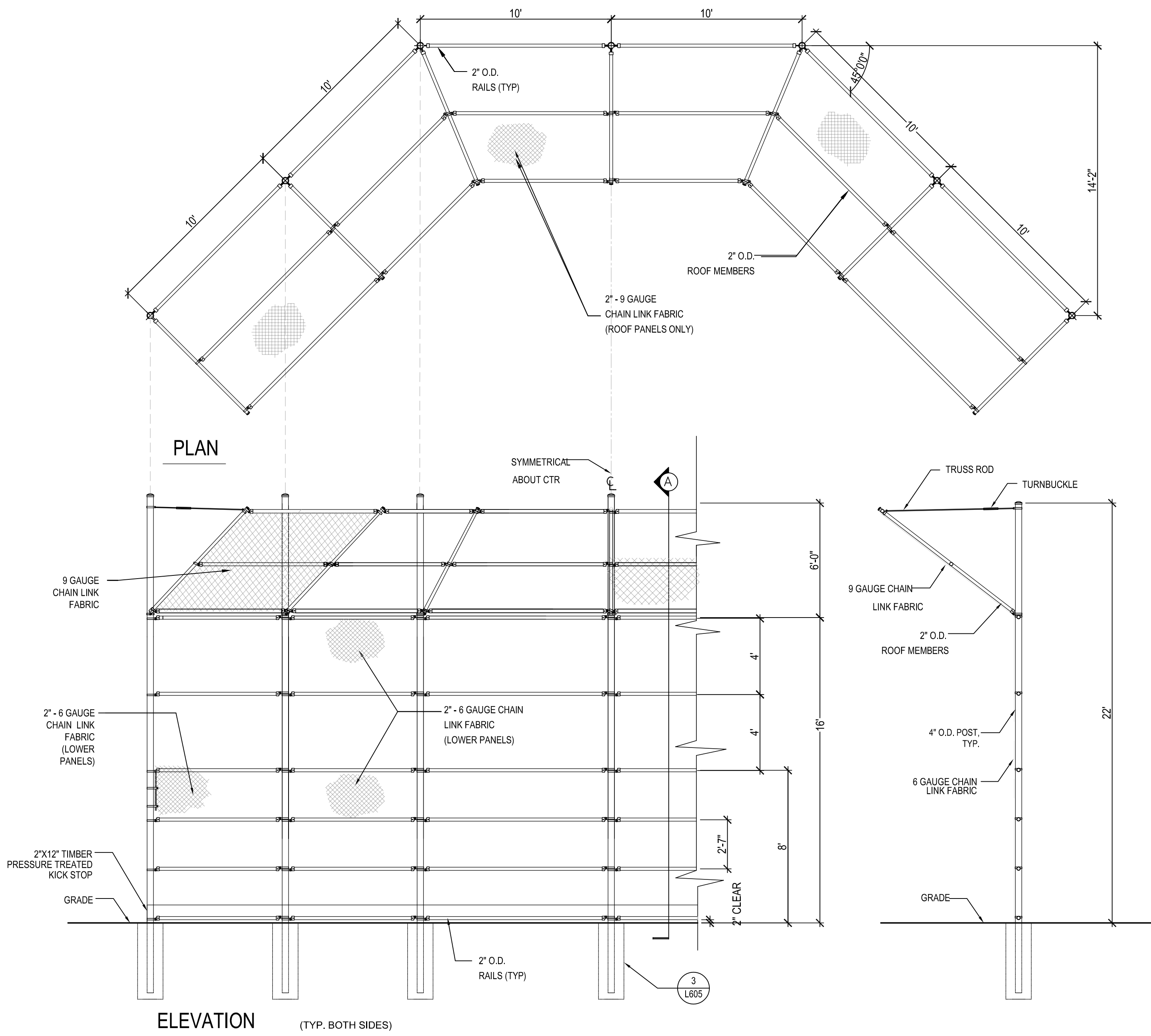
NOTES:
1. 10' MINIMUM OVERRUN. SEE LAYOUT PLAN FOR OVERRUN DIMENSIONS.
2. SHALL COMPLY WITH NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS) FIELD GUIDELINES FOR HIGH SCHOOL SOCCER FIELD.
3. FOR SYNTHETIC TURF APPLICATIONS, SEE SPECIFICATIONS FOR TUFTED/INLAIN REQUIREMENTS AND LINE COLOR.

360' SOCCER FIELD
SCALE: 3/128" = 1'-0"



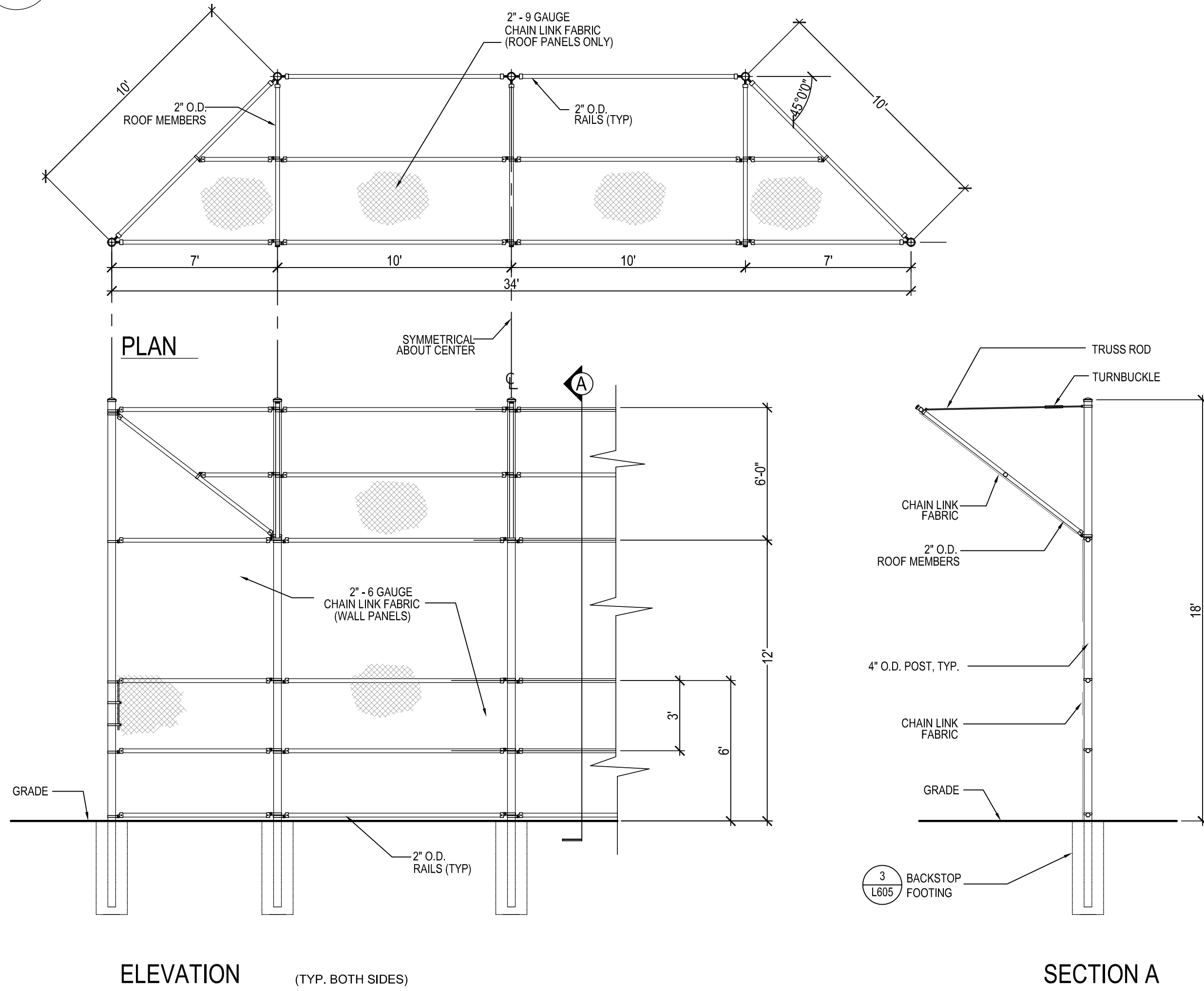
NOTES:
1. 10' MINIMUM OVERRUN. SEE LAYOUT PLAN FOR OVERRUN DIMENSIONS.
2. SHALL COMPLY WITH NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS) FIELD GUIDELINES FOR HIGH SCHOOL SOCCER FIELD.
3. FOR SYNTHETIC TURF APPLICATIONS, SEE SPECIFICATIONS FOR TUFTED/INLAIN REQUIREMENTS AND LINE COLOR.

330' SOCCER FIELD
SCALE: 3/128" = 1'-0"



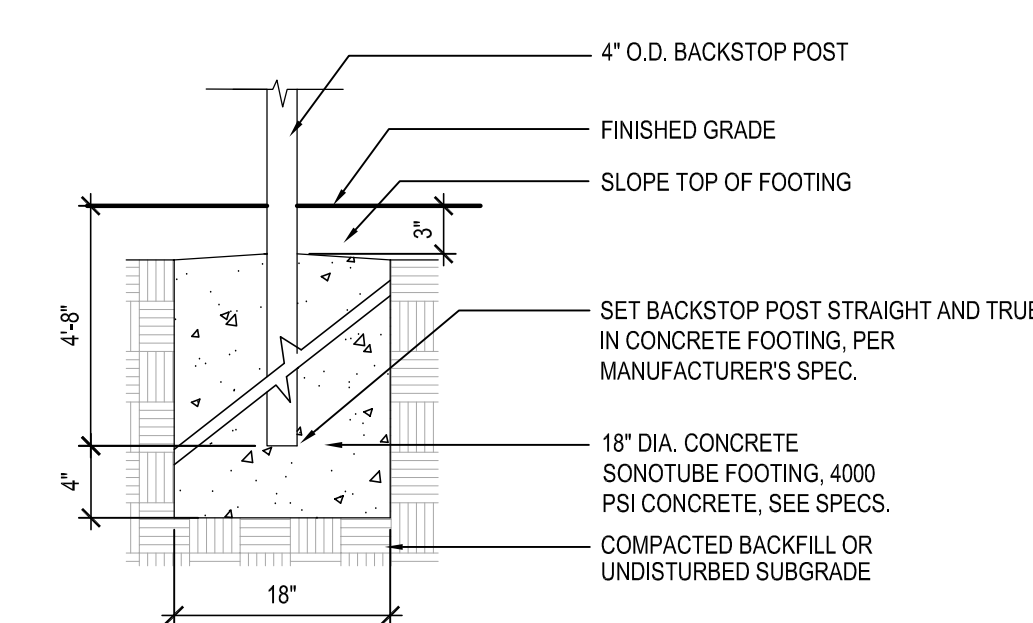
NOTE:
1. ALL POSTS, RAILS, FABRIC & HARDWARE TO BE THERMALLY FUSED BLACK VINYL COATED.
2. REFER TO CHAIN LINK SPECIFICATION FOR MATERIAL REQUIREMENTS.

1 BASEBACK BACKSTOP
SCALE: 1/4" = 1'-0"

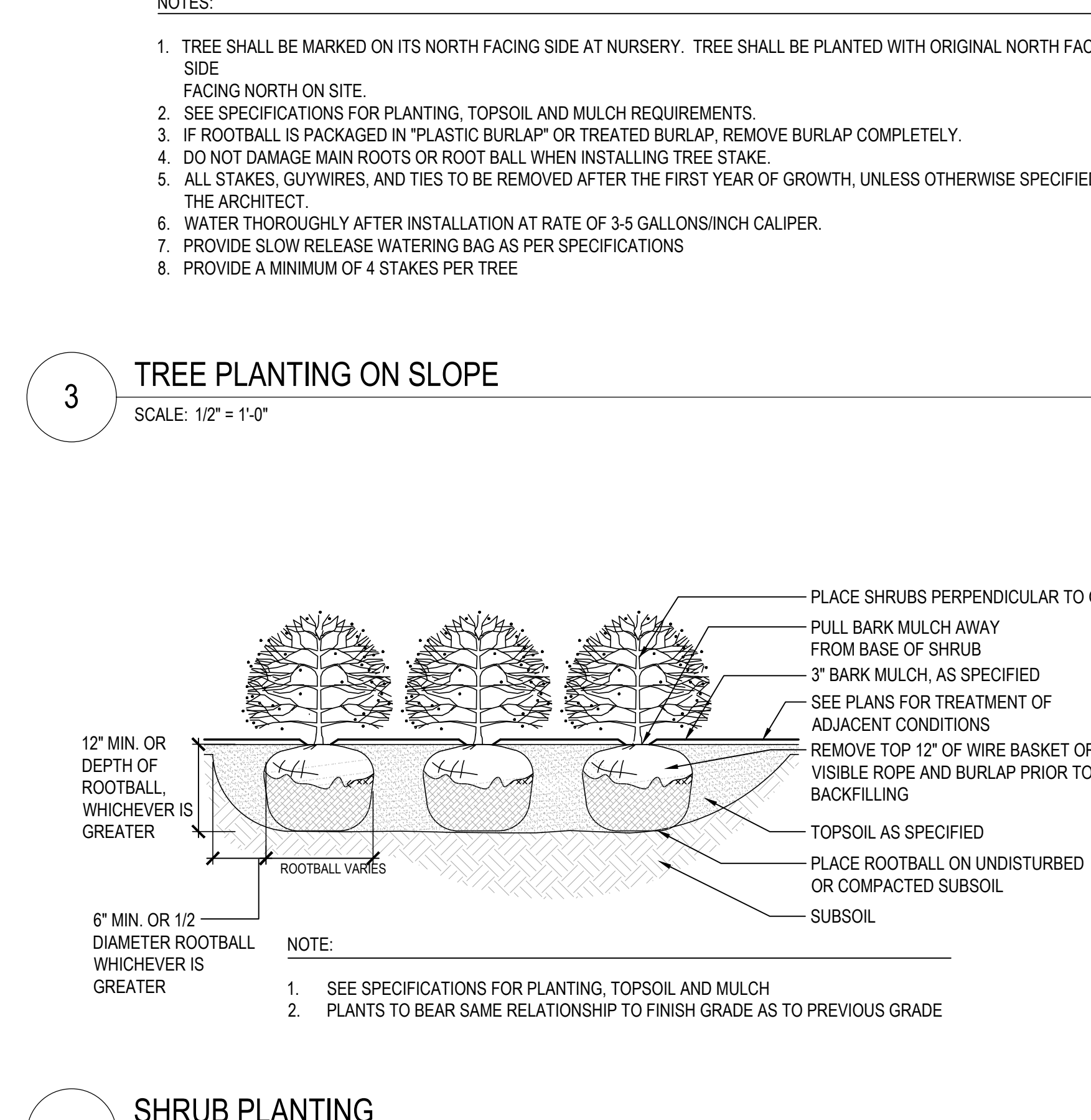
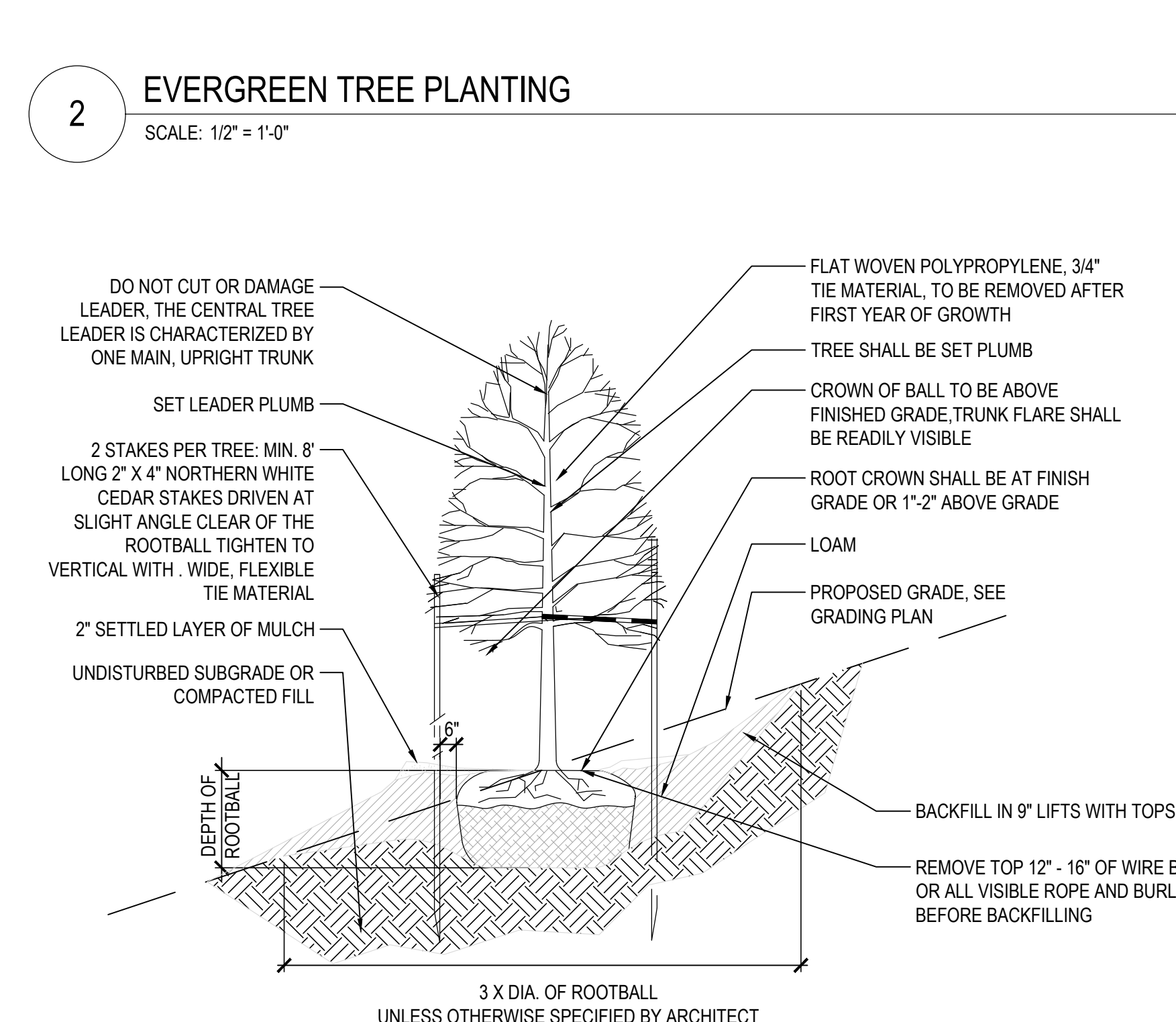
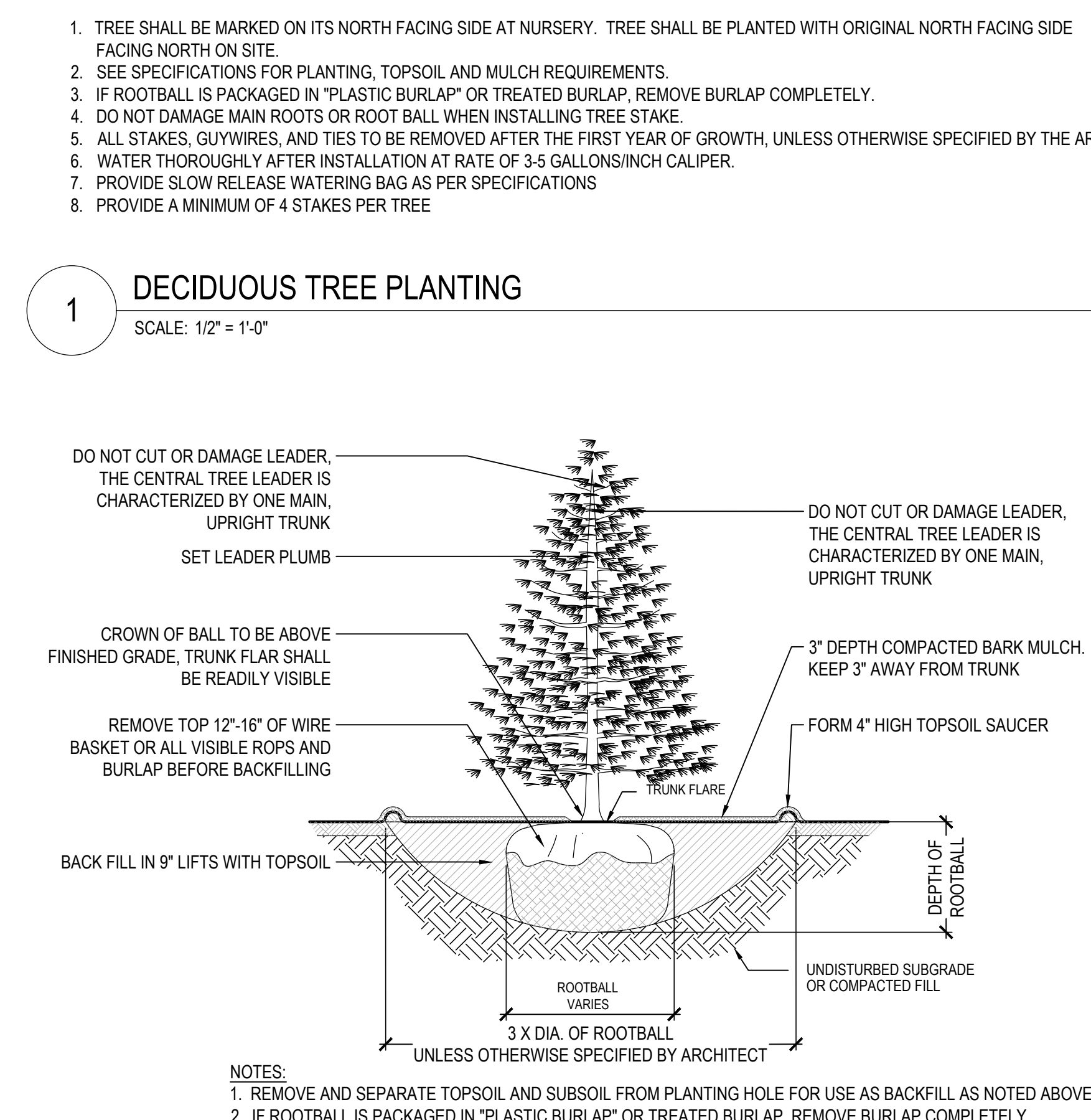
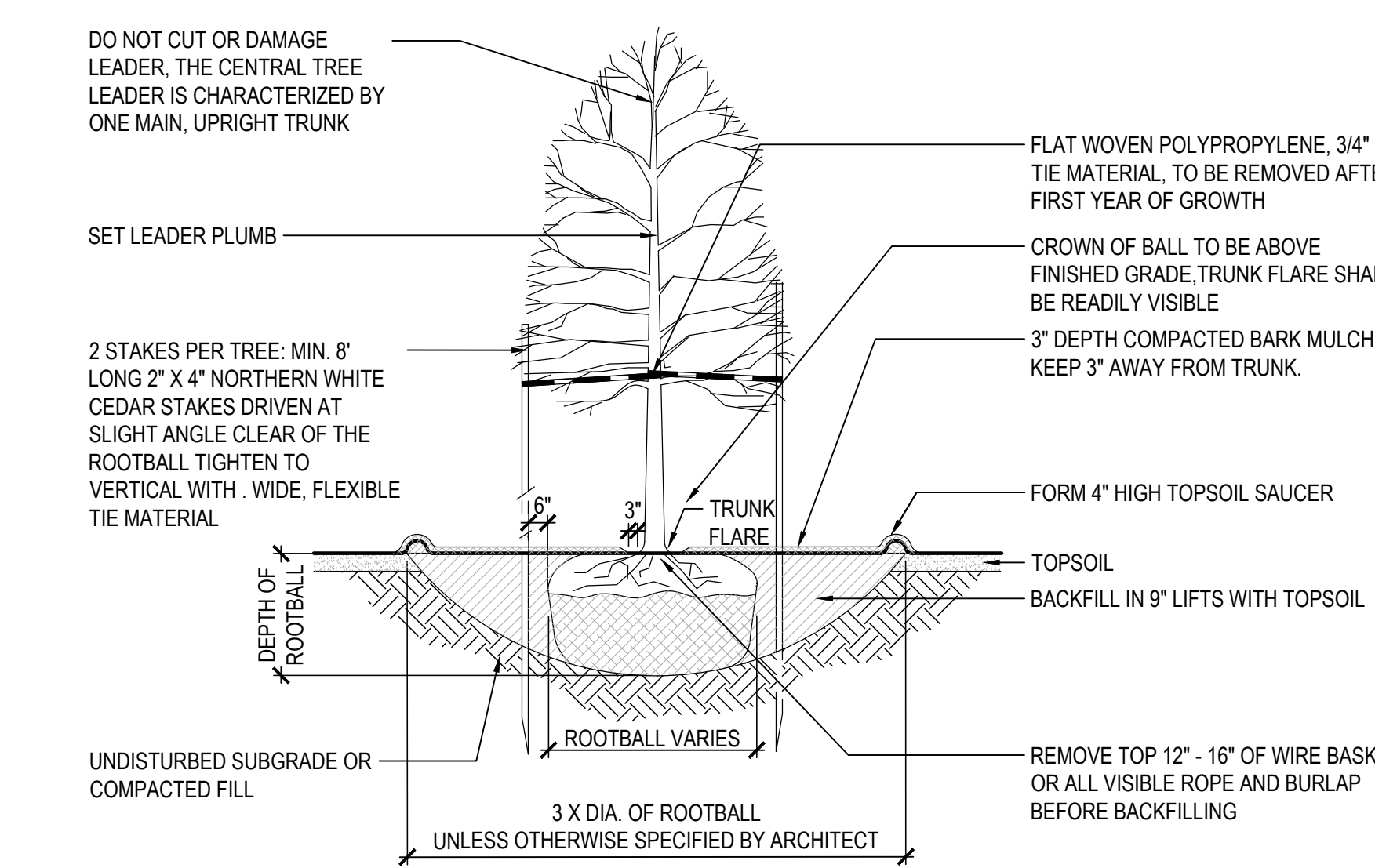
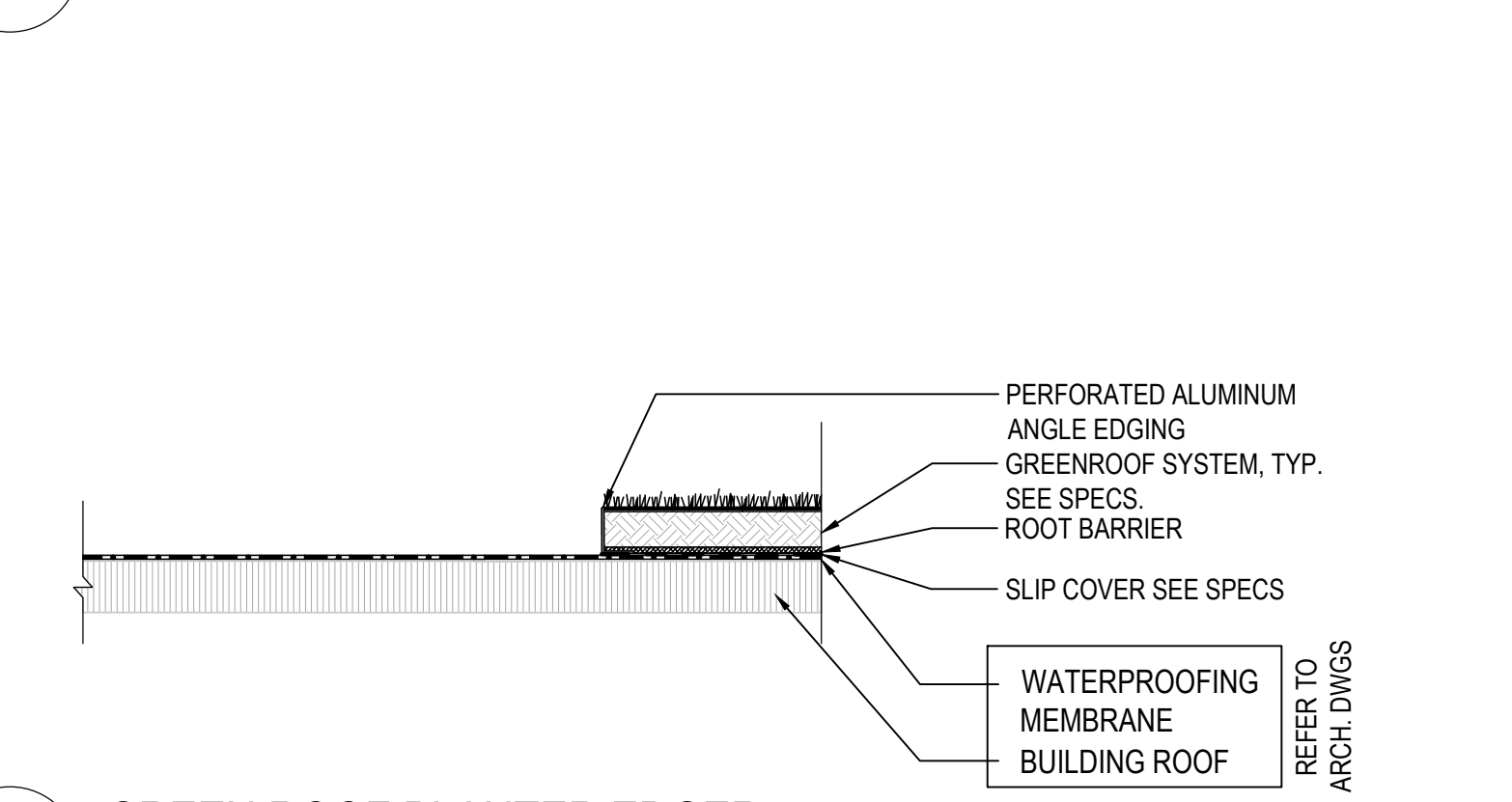
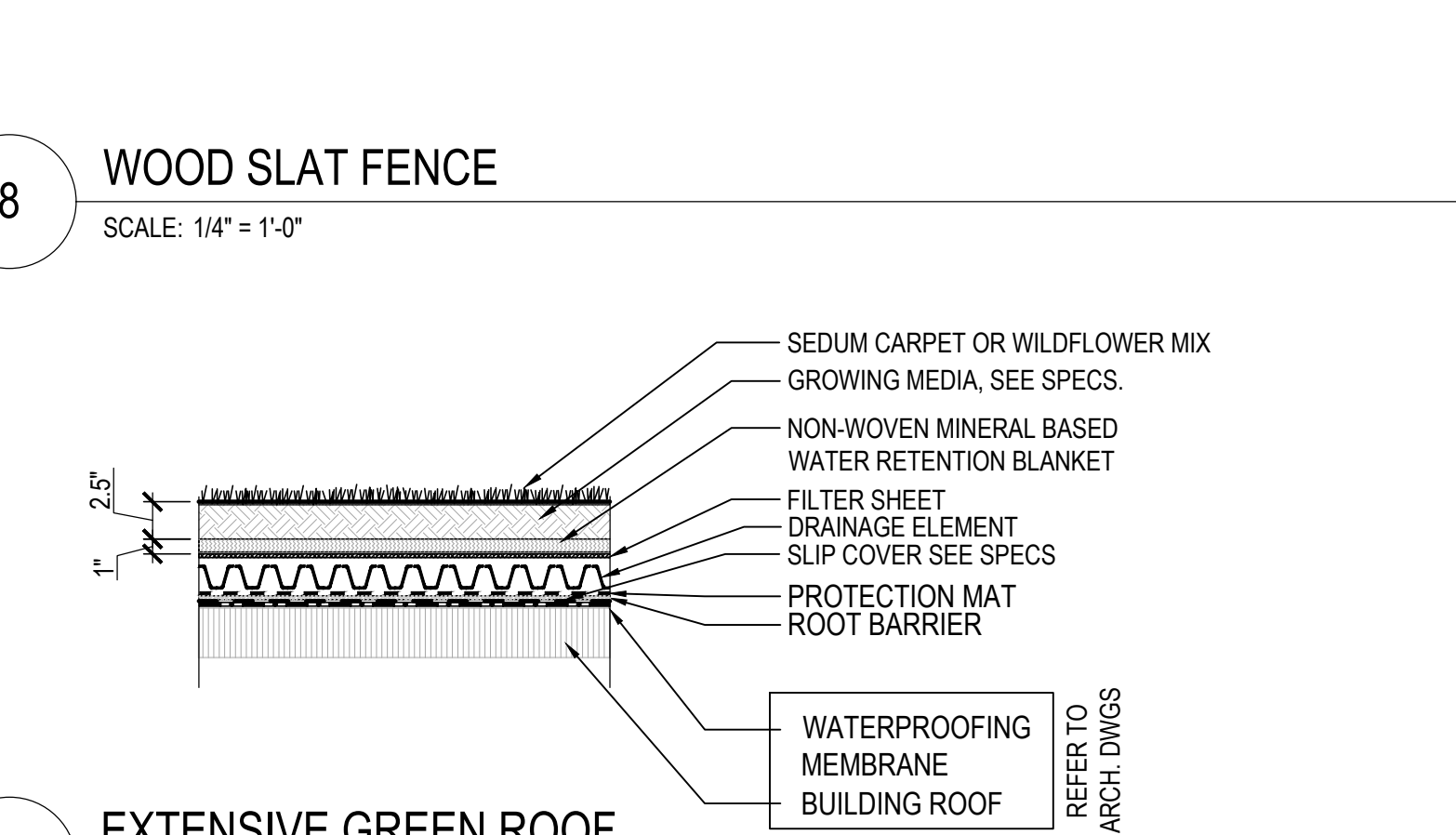
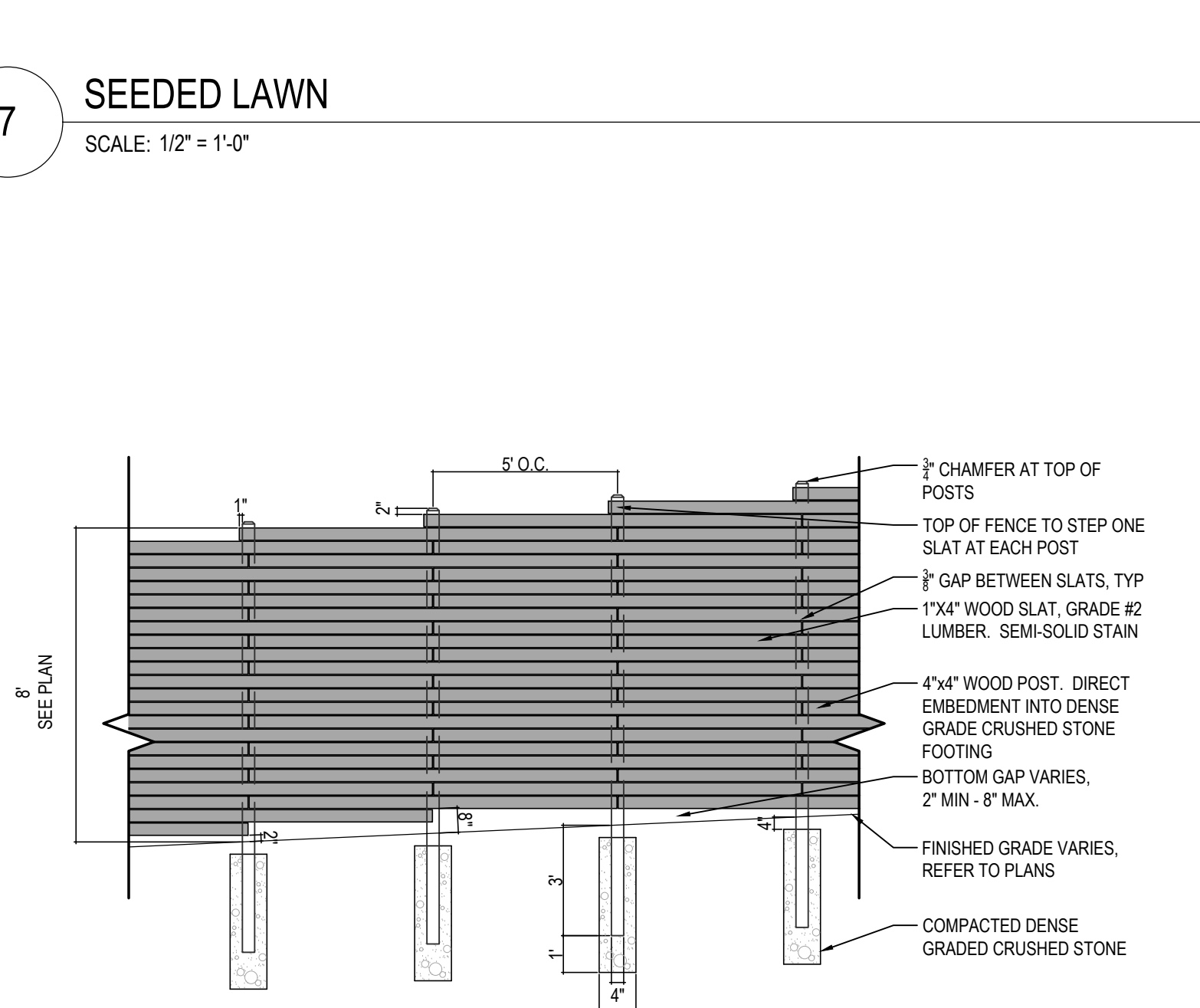
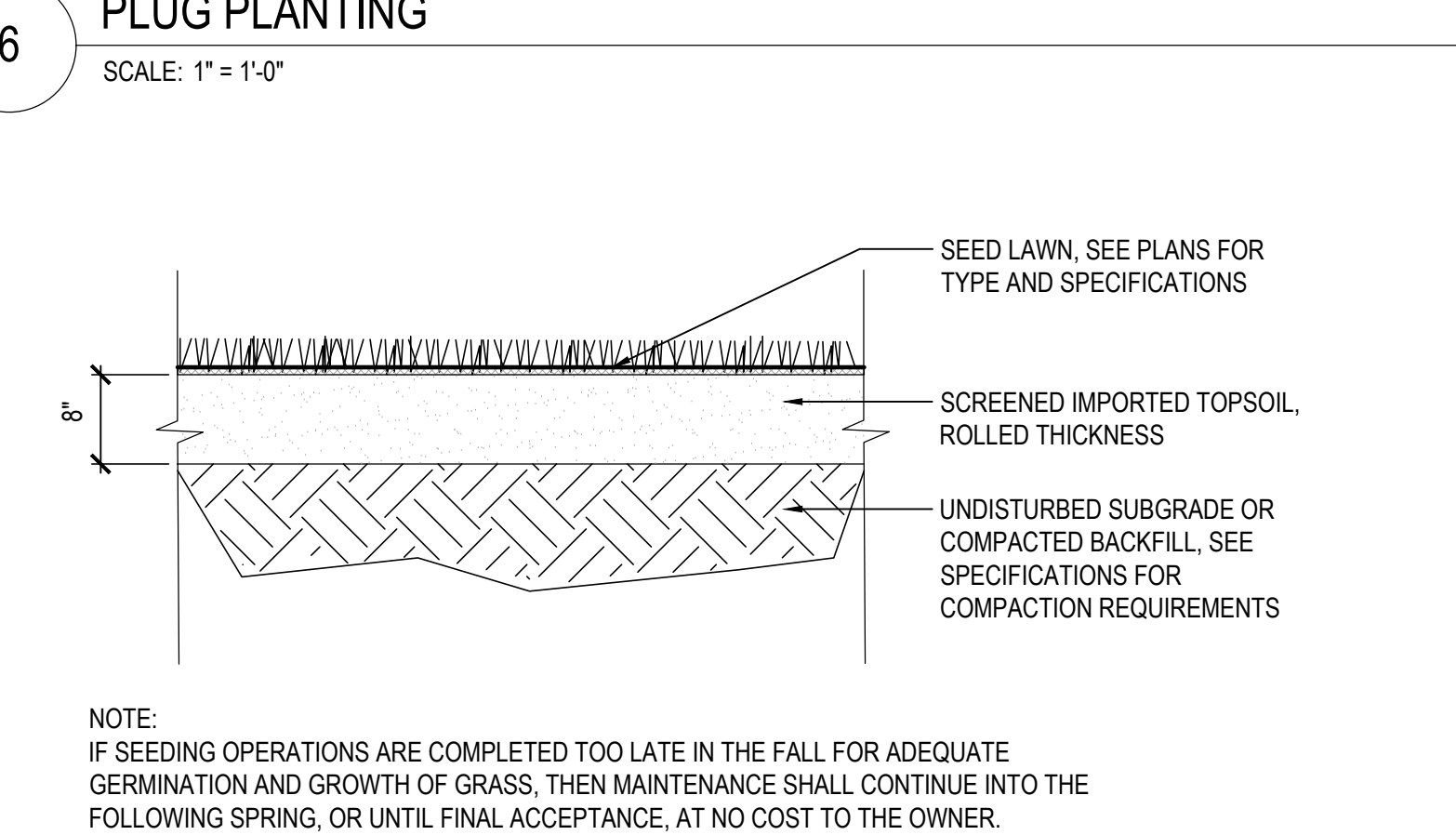
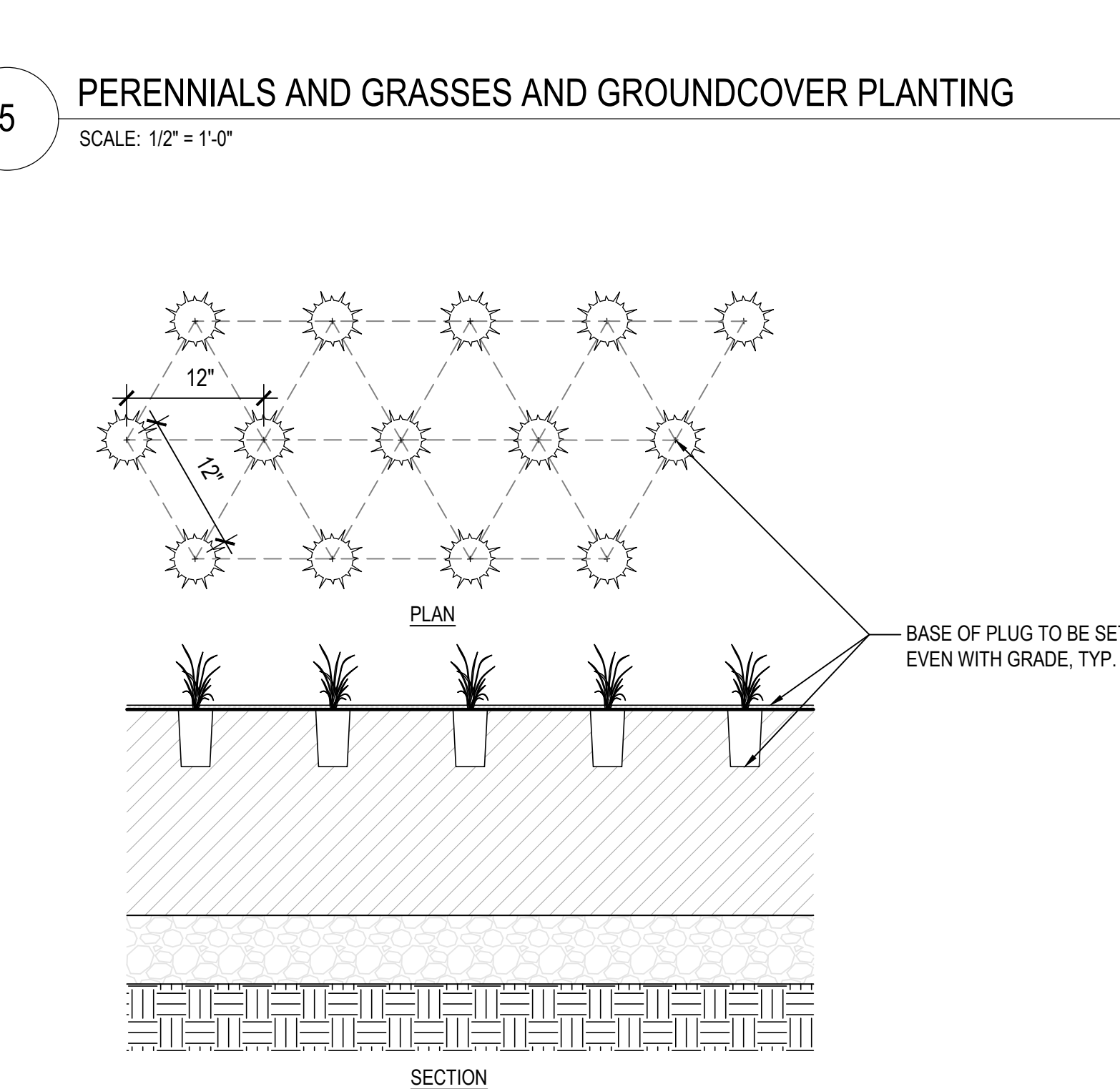
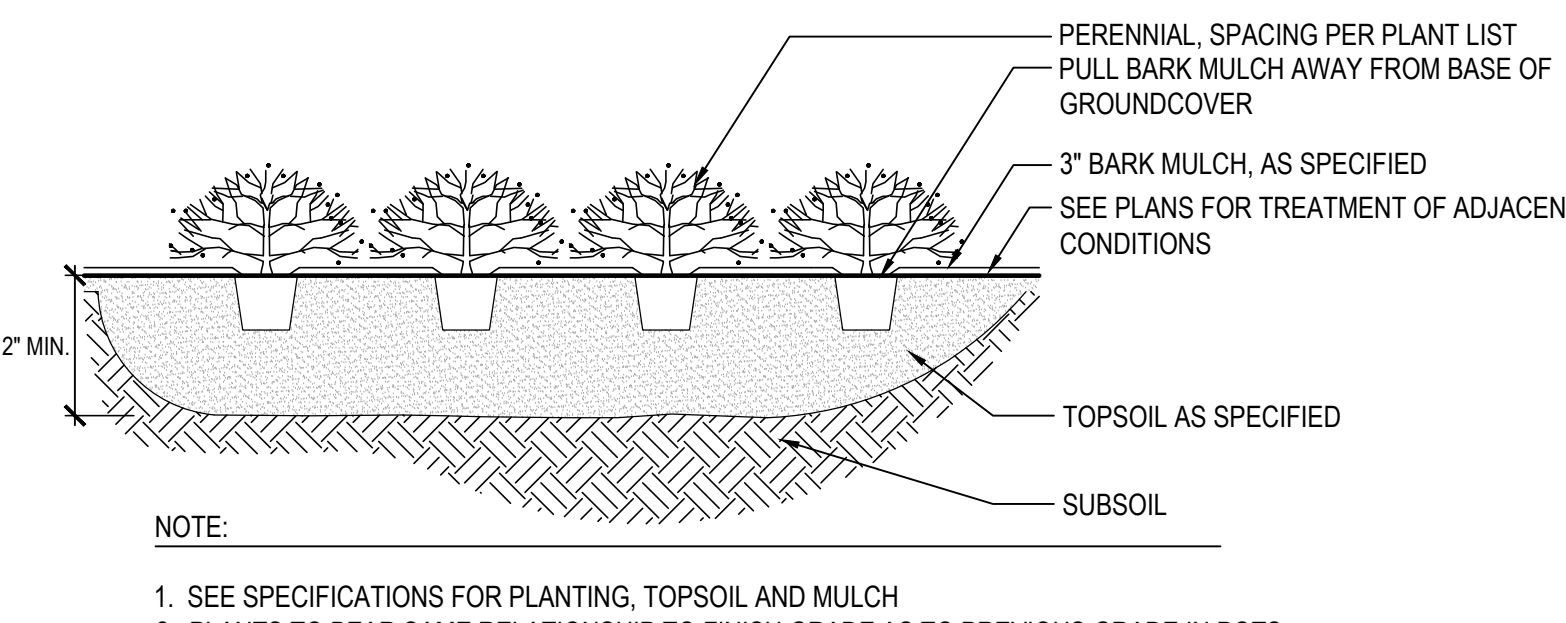
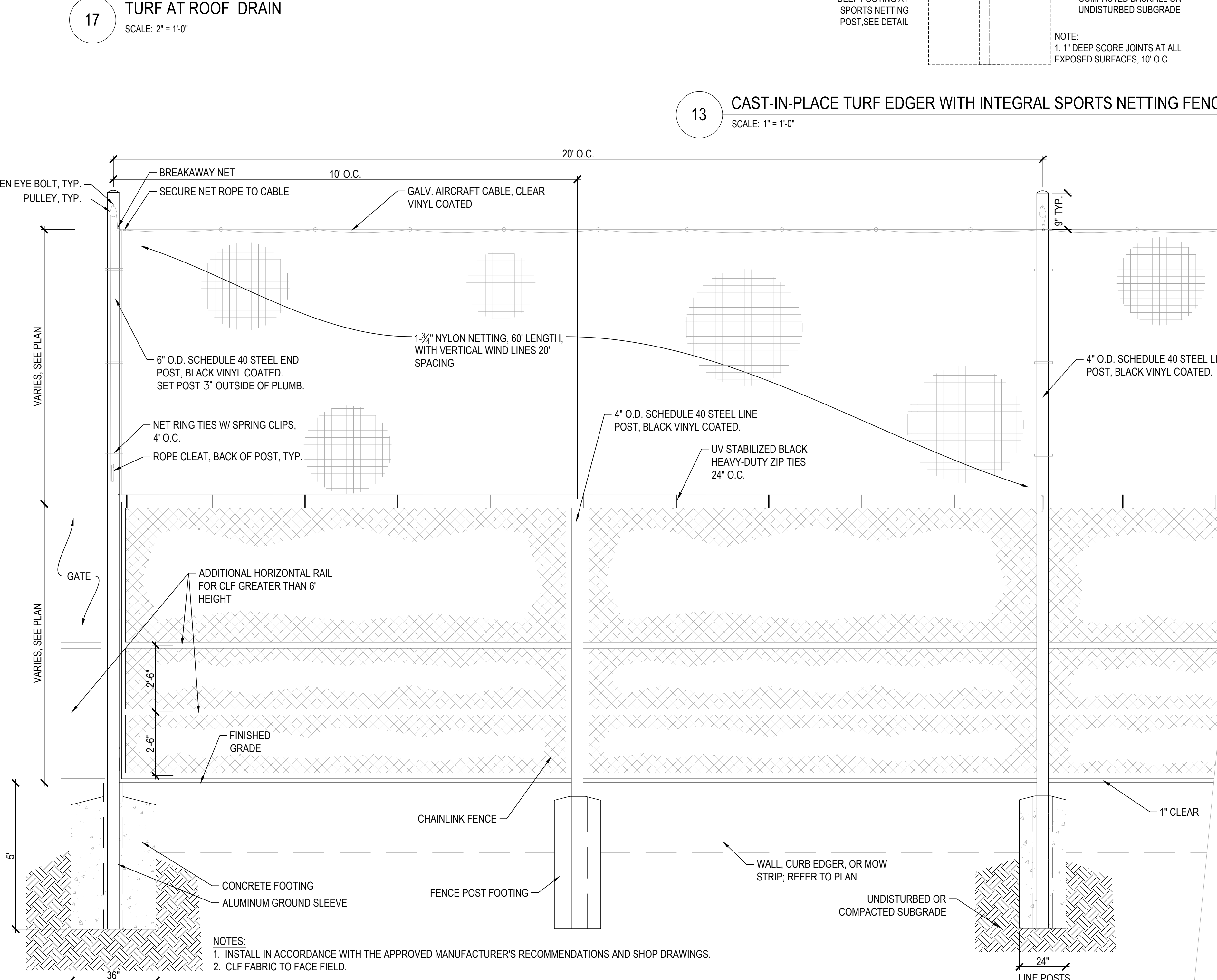
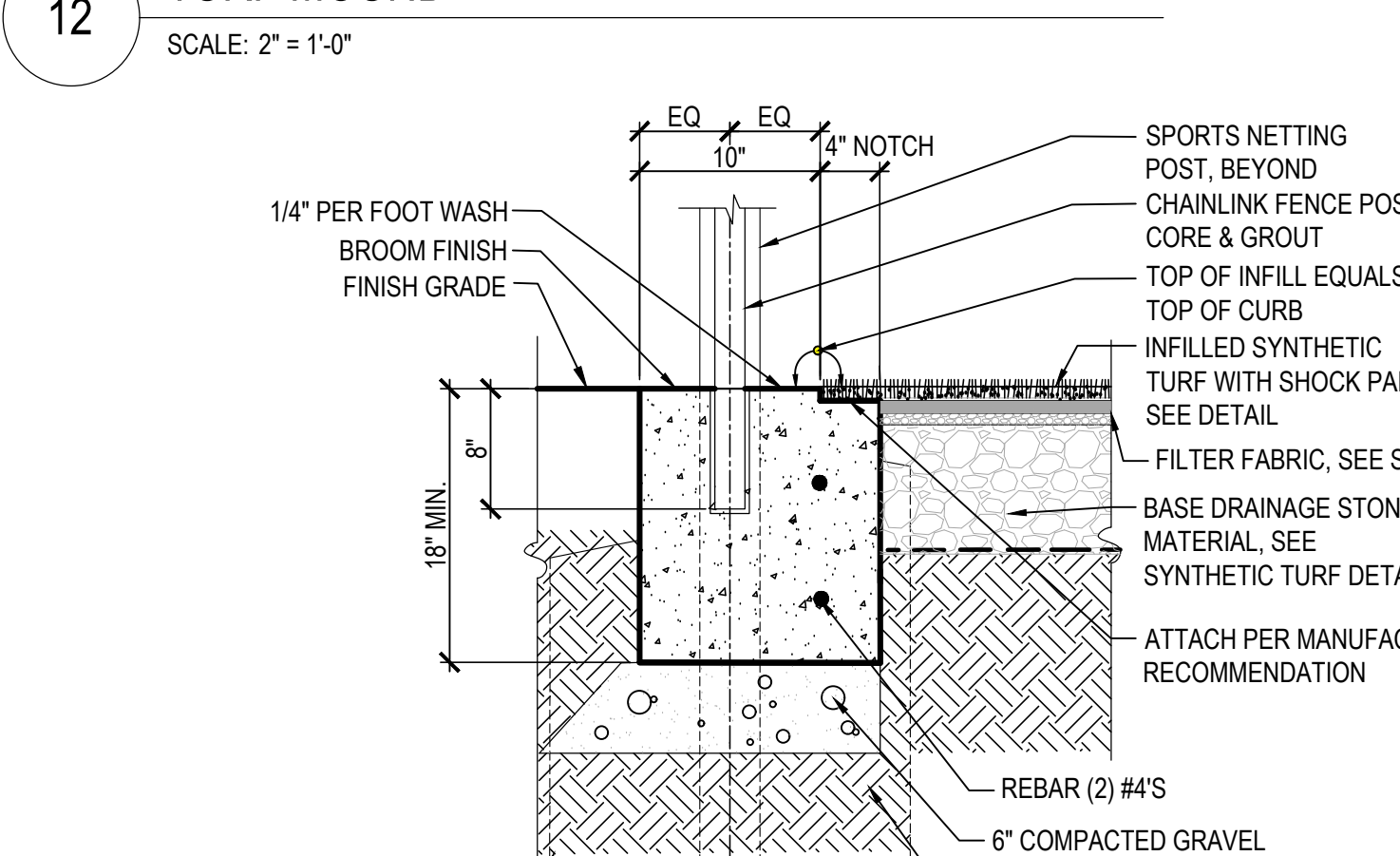
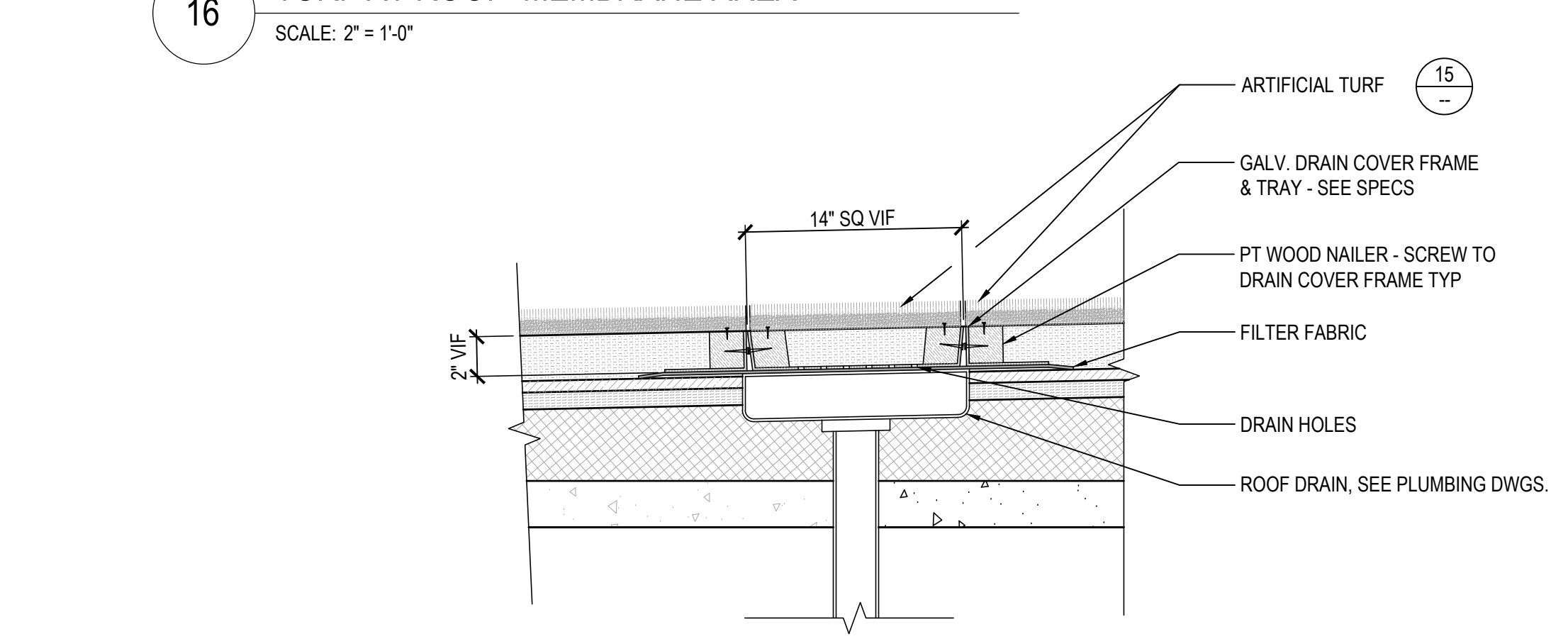
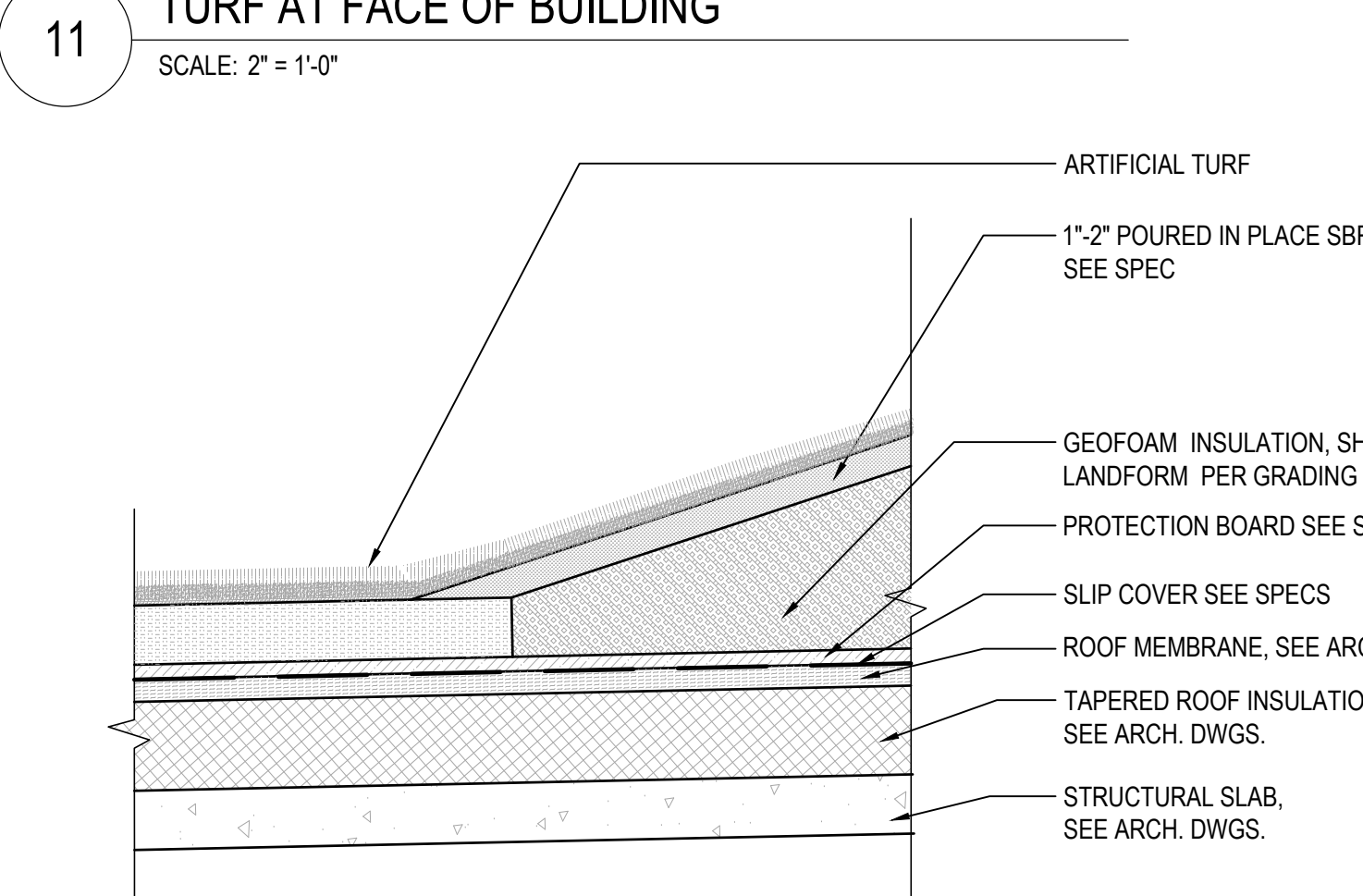
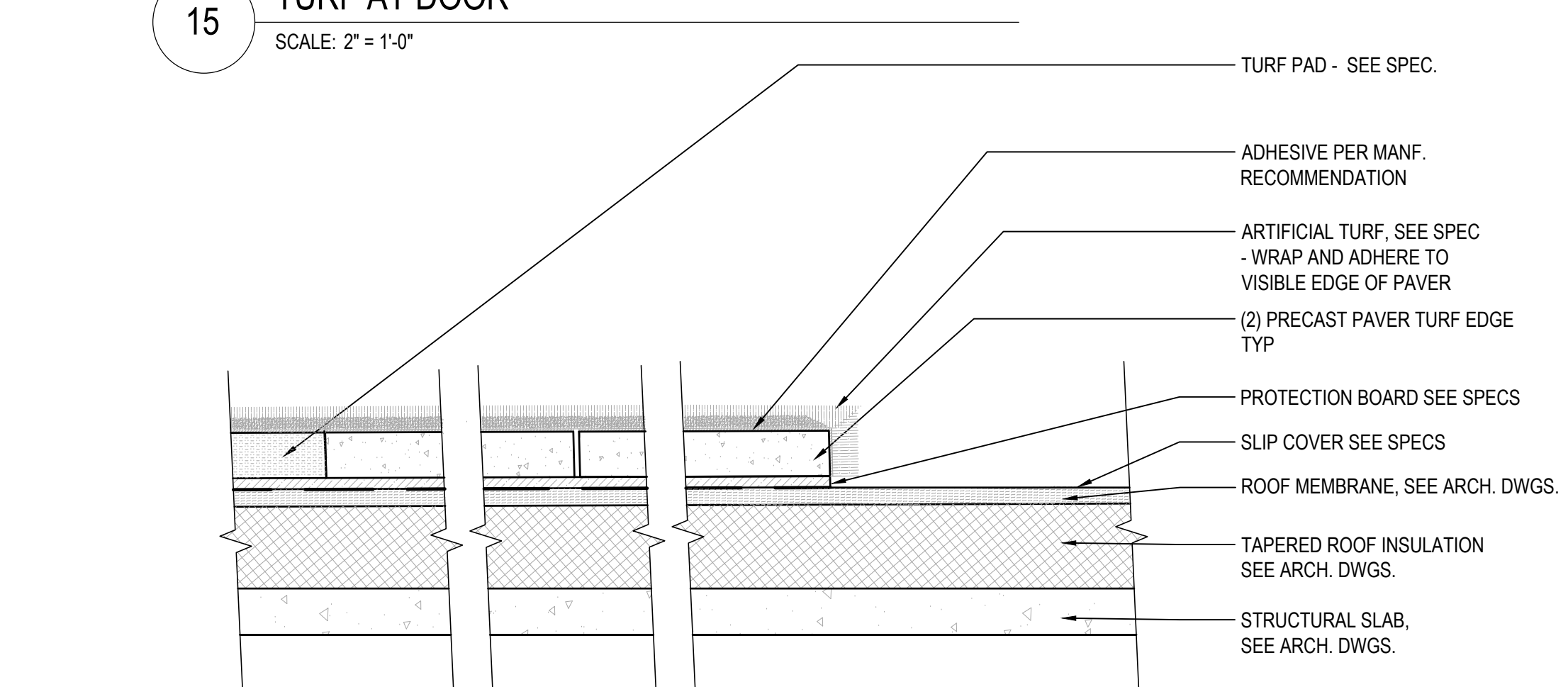
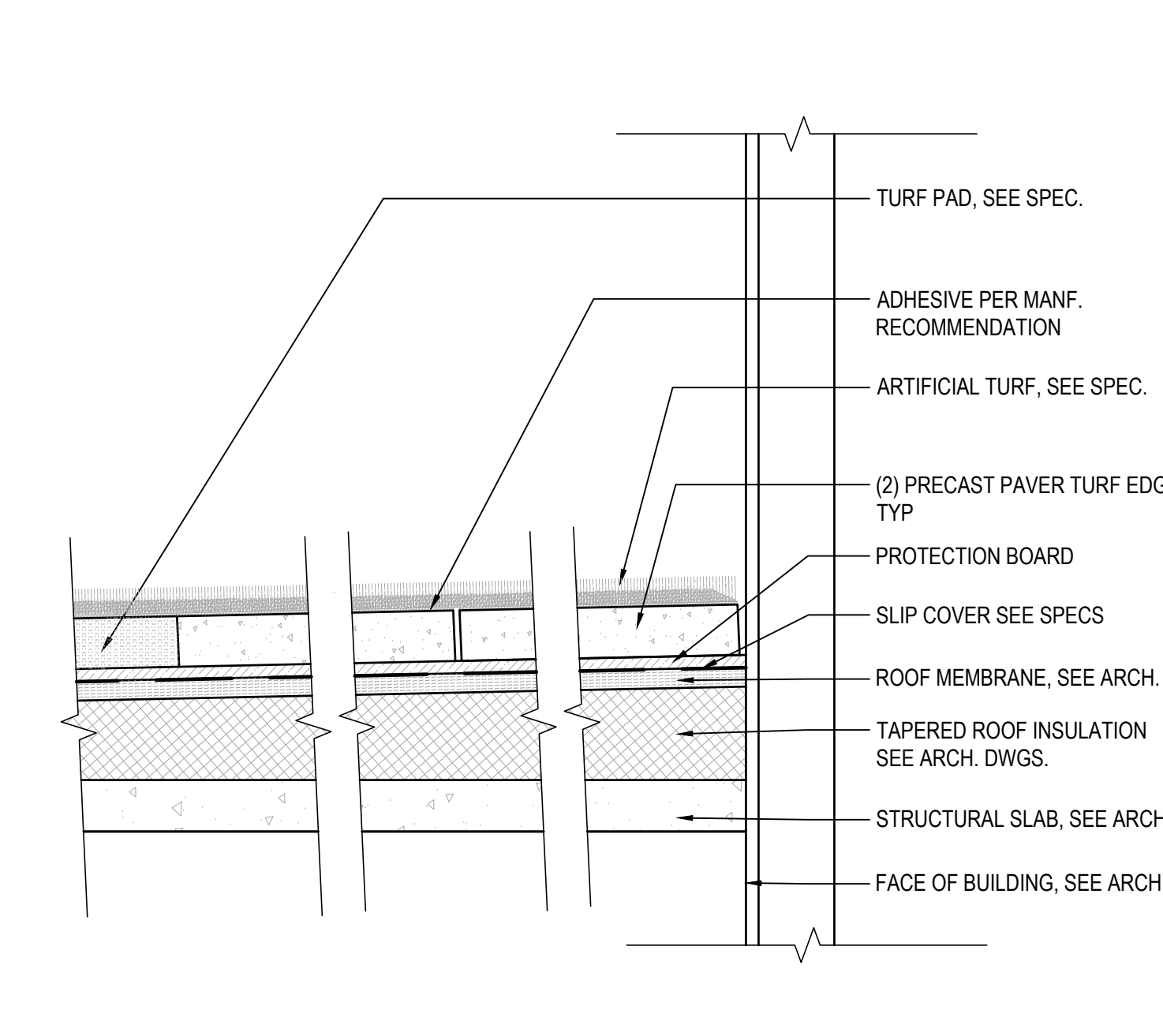
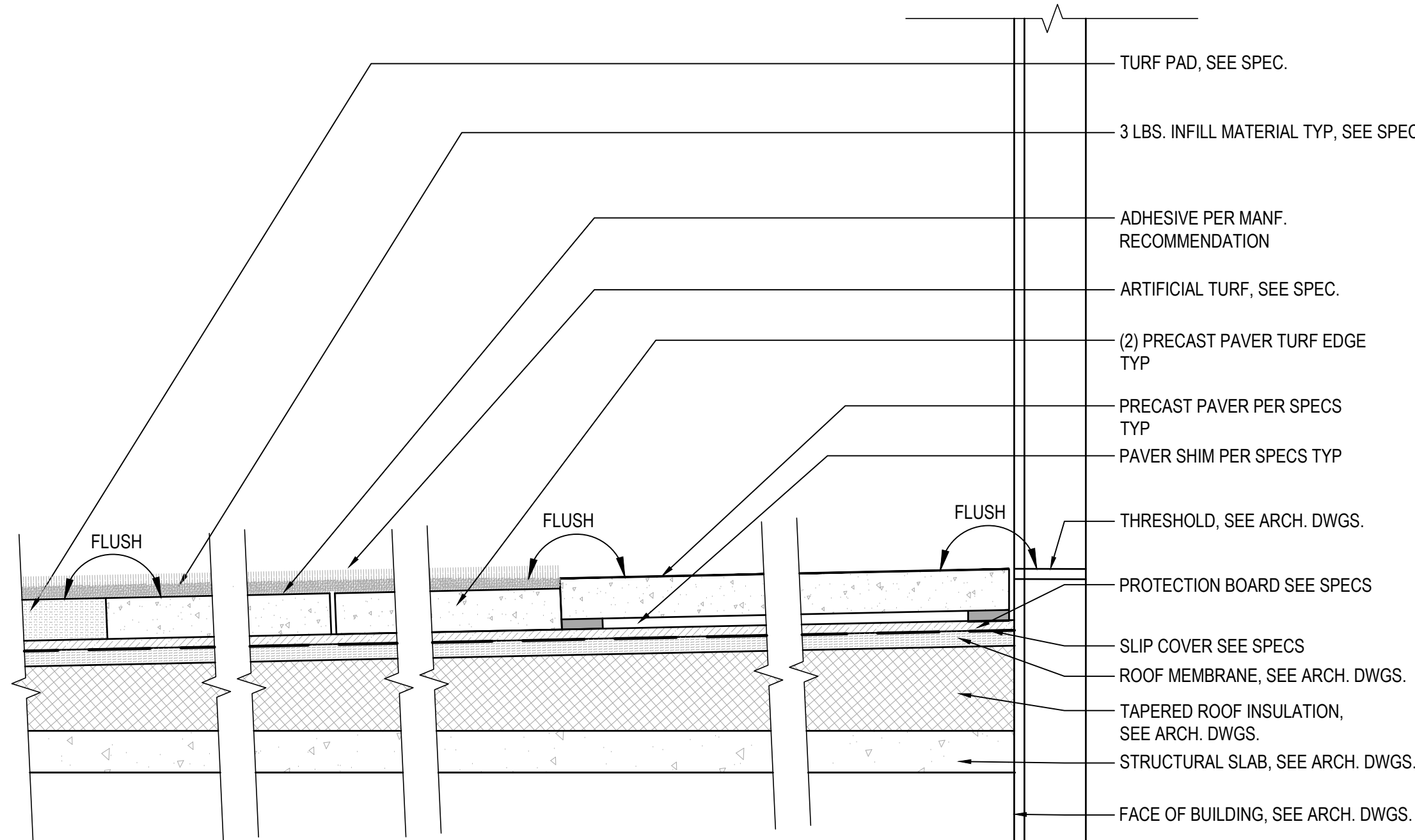


NOTE:
1. ALL POSTS, RAILS, FABRIC & HARDWARE TO BE THERMALLY FUSED BLACK VINYL COATED.
2. REFER TO CHAIN LINK SPECIFICATION FOR MATERIAL REQUIREMENTS.

2 SOFTBALL BACKSTOP
SCALE: 1/4" = 1'-0"



3 BACKSTOP FOOTING
SCALE: 1" = 1'-0"



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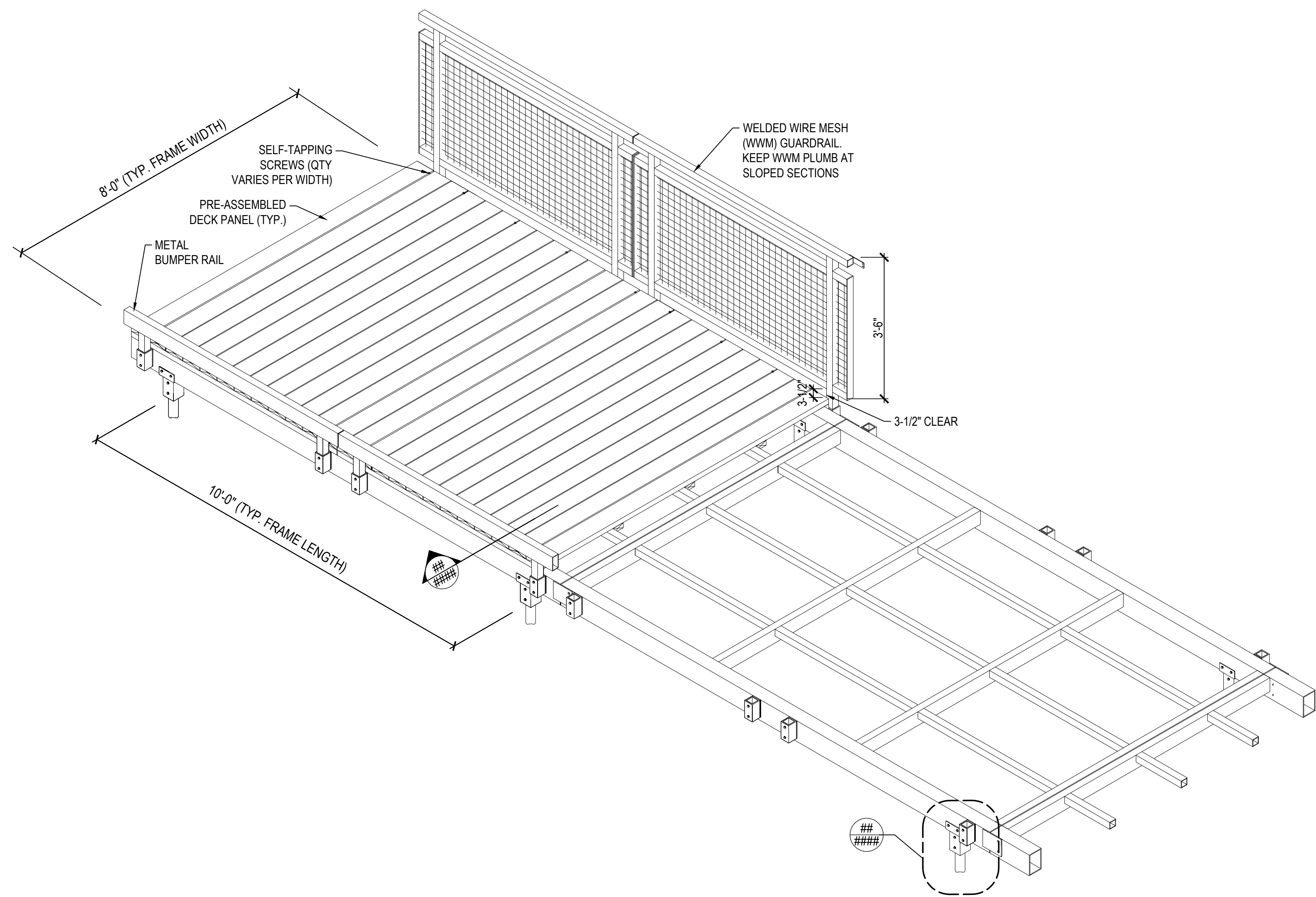
August 28, 2023

LANDSCAPE DETAILS - 6

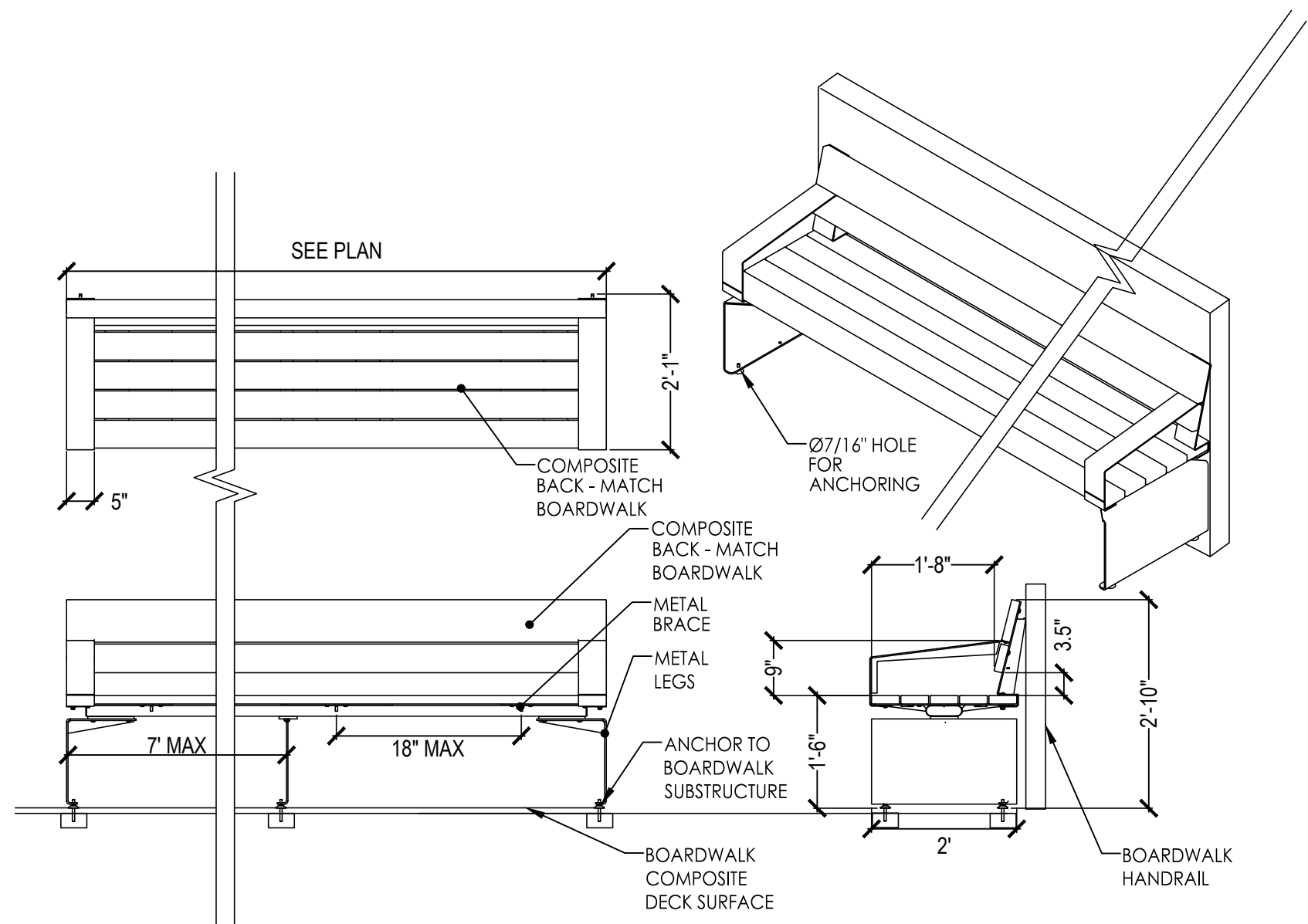
Scale: AS NOTED
Job No.: 20202.00
Drawn By: JMJ/AA
Date: August 28, 2023

L606

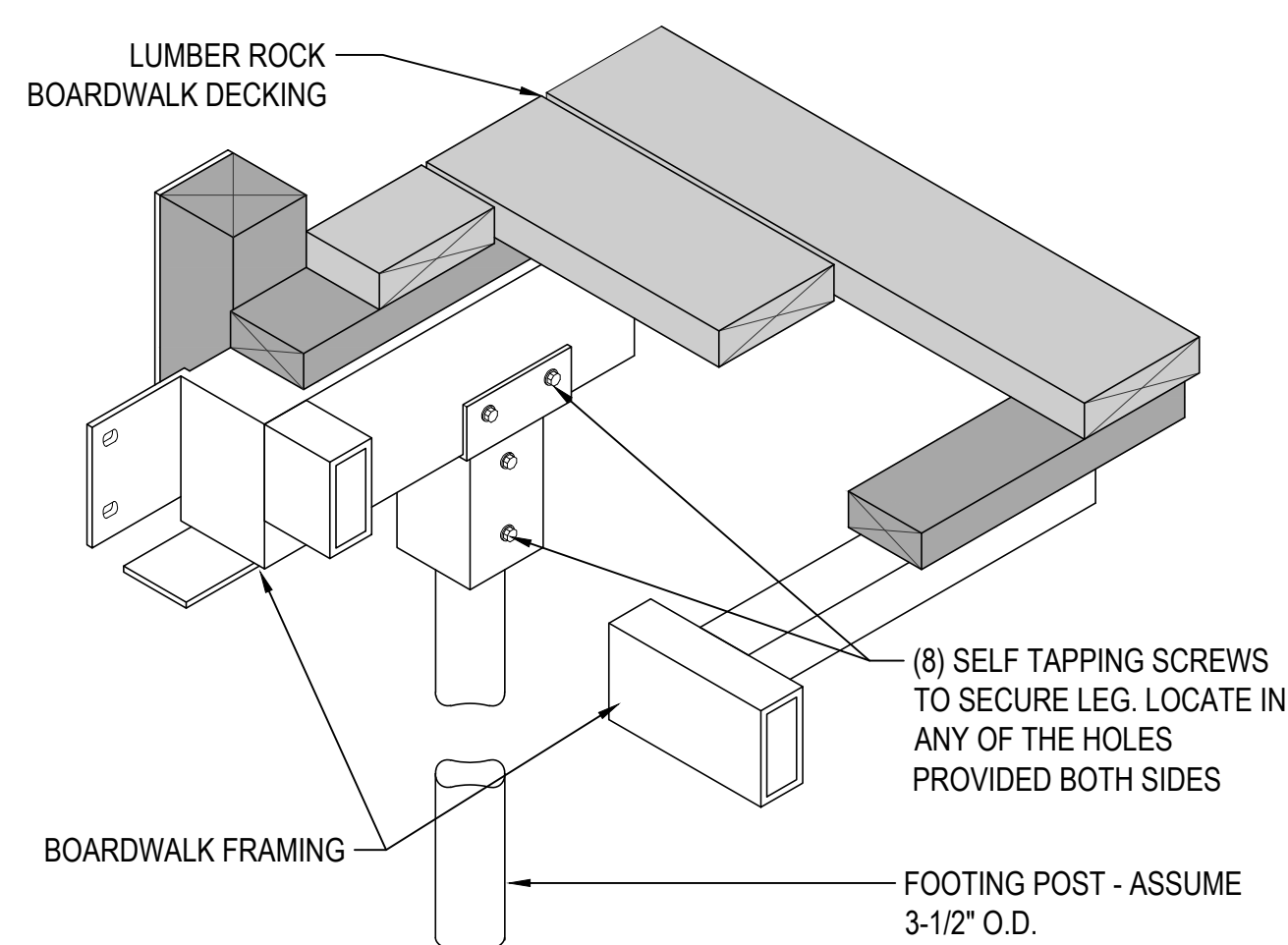
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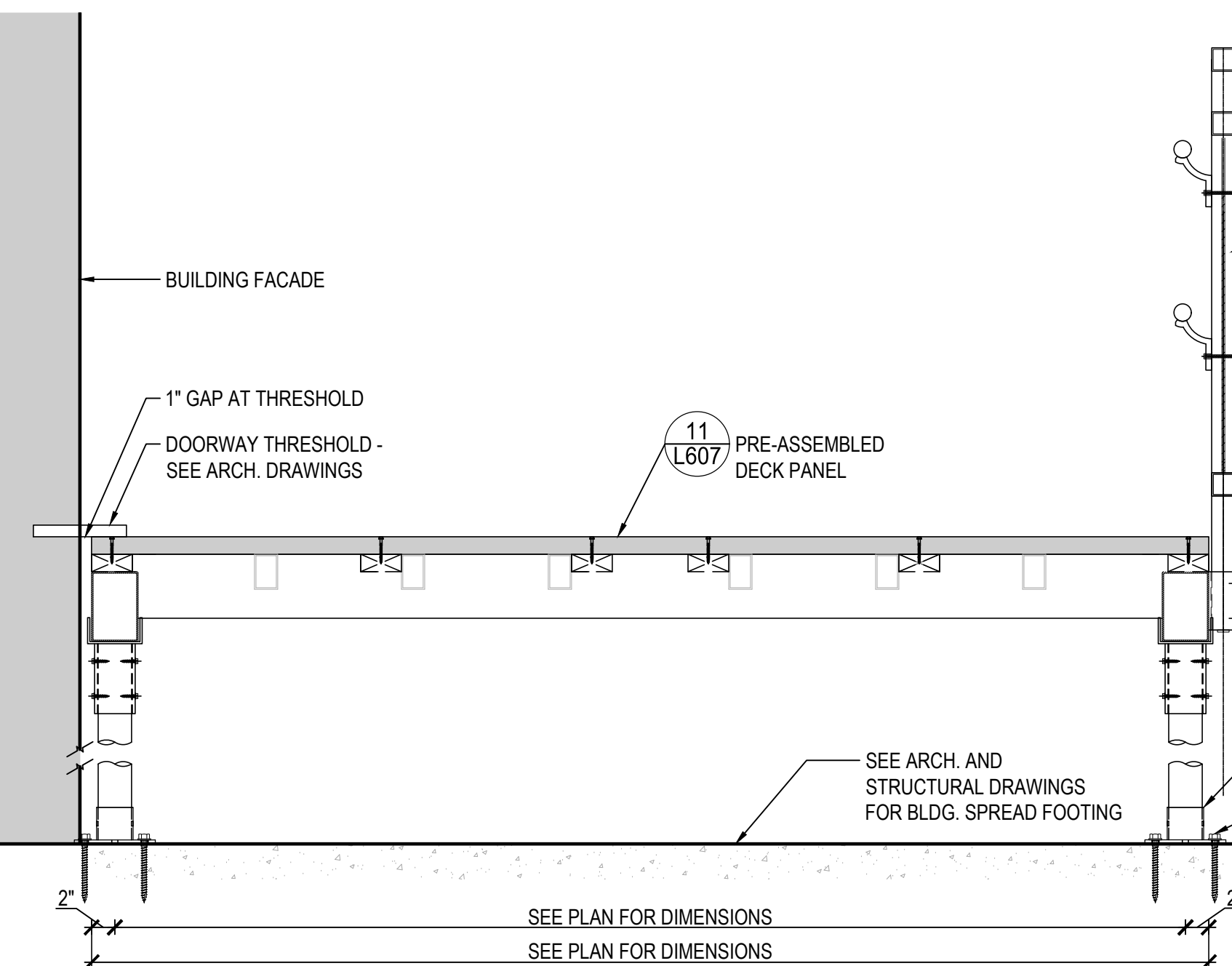
10 LONG SPAN BOARDWALK SYSTEM
SCALE: NTS



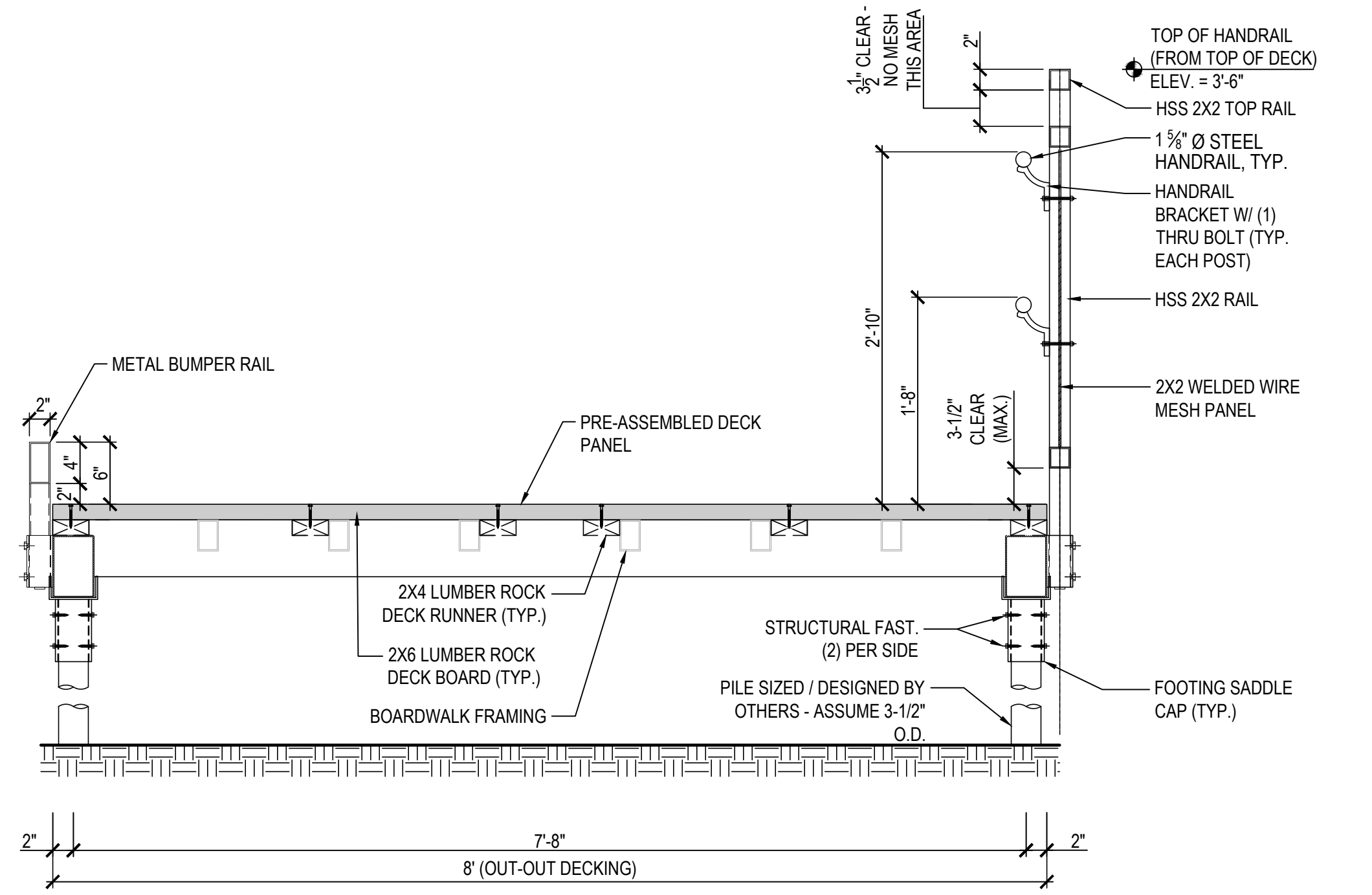
14 BOARDWALK BENCH
SCALE: 1/2" = 1'-0"



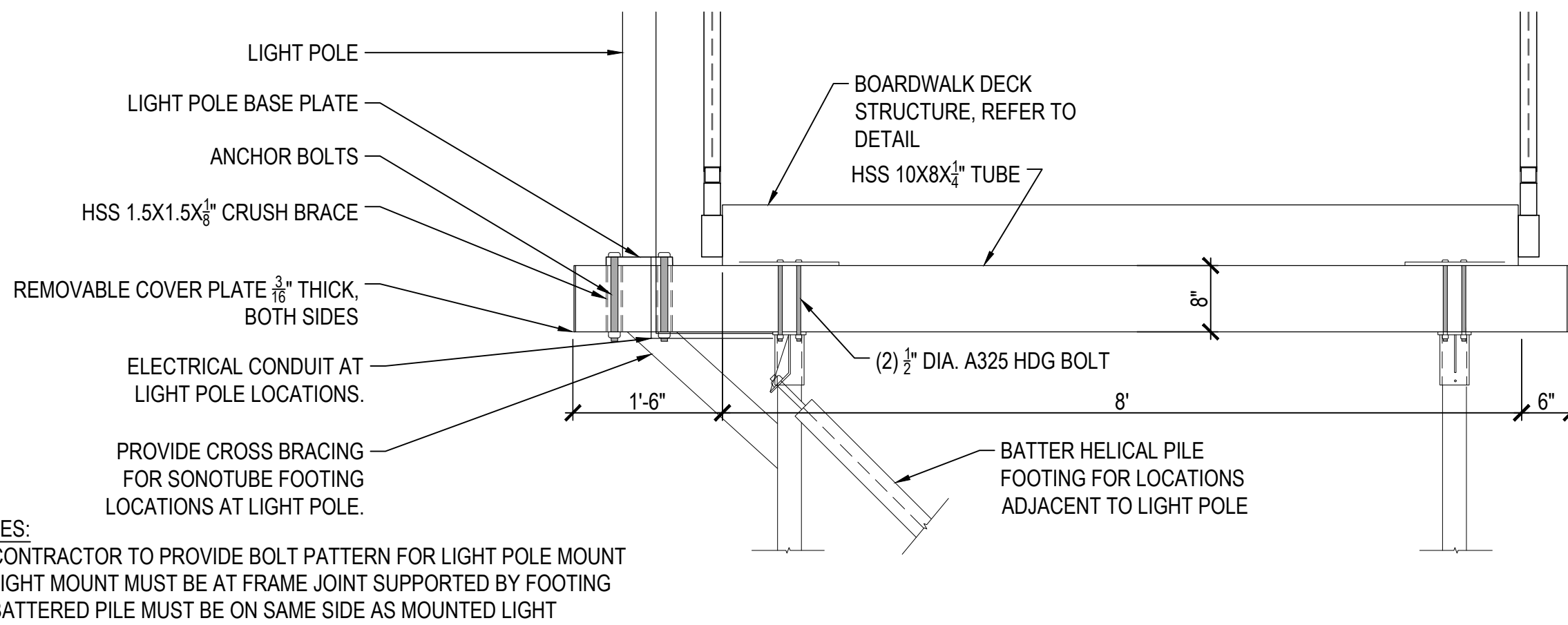
15 LONG SPAN SADDLE CAP
SCALE: NTS



16 ELEVATED WALKWAY AT BUILDING
SCALE: 1" = 1'-0"

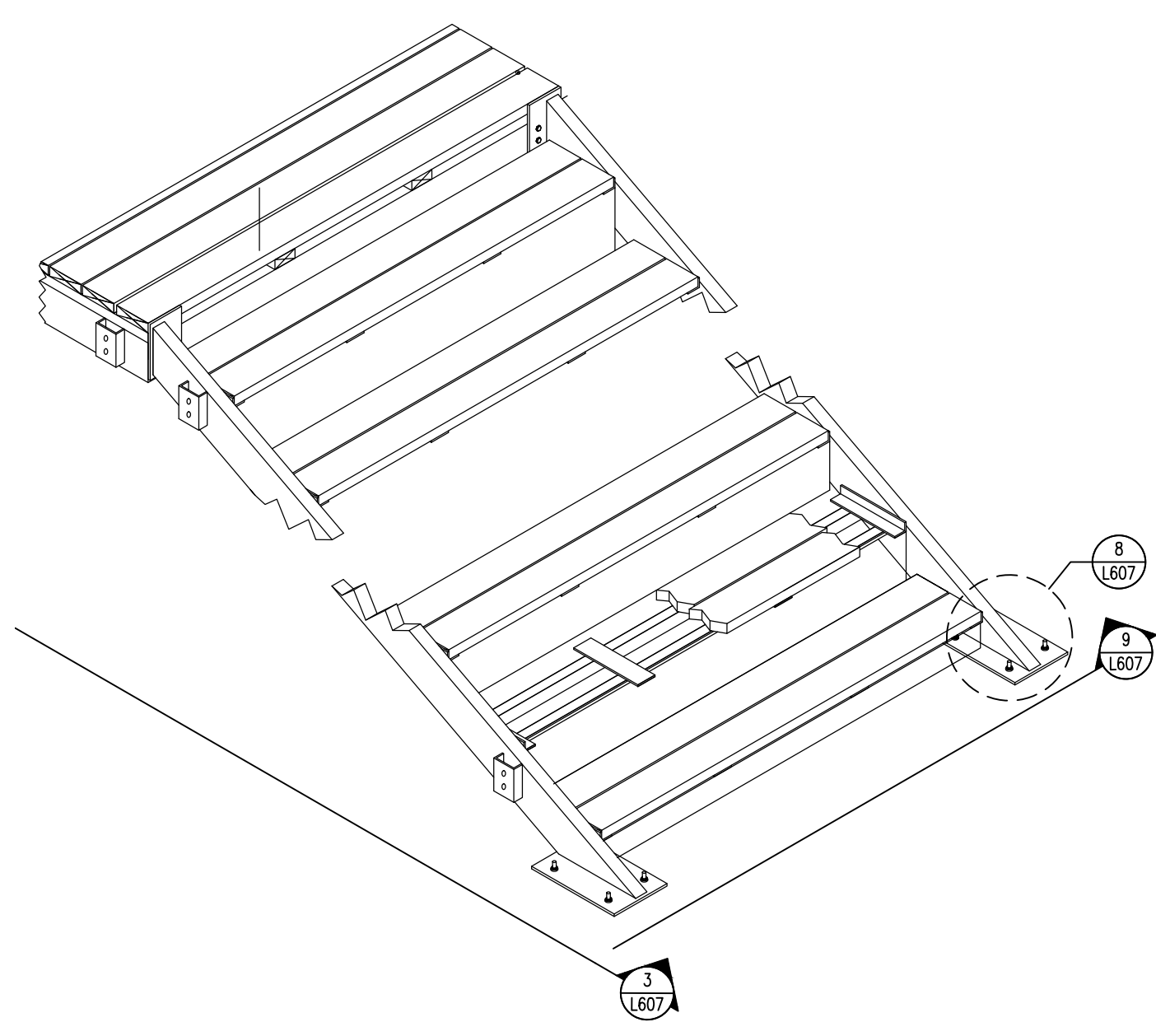


11 WALKWAY SECTION WITH BUMPER RAIL AND WELDED WIRE MESH GUARDRAIL + HANDRAIL
SCALE: 1" = 1'-0"

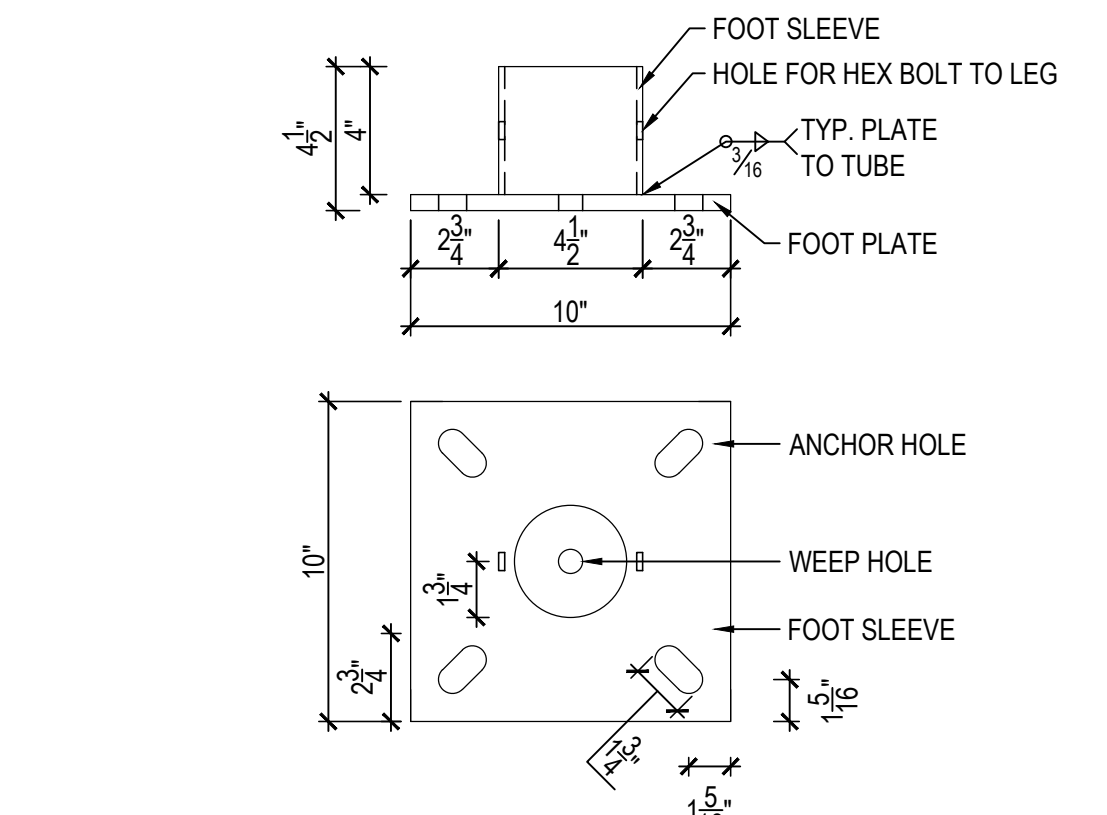


- NOTES:
1. CONTRACTOR TO PROVIDE BOLT PATTERN FOR LIGHT POLE MOUNT
 2. LIGHT MOUNT MUST BE AT FRAME JOINT SUPPORTED BY FOOTING
 3. BATTERED PILE MUST BE ON SAME SIDE AS MOUNTED LIGHT

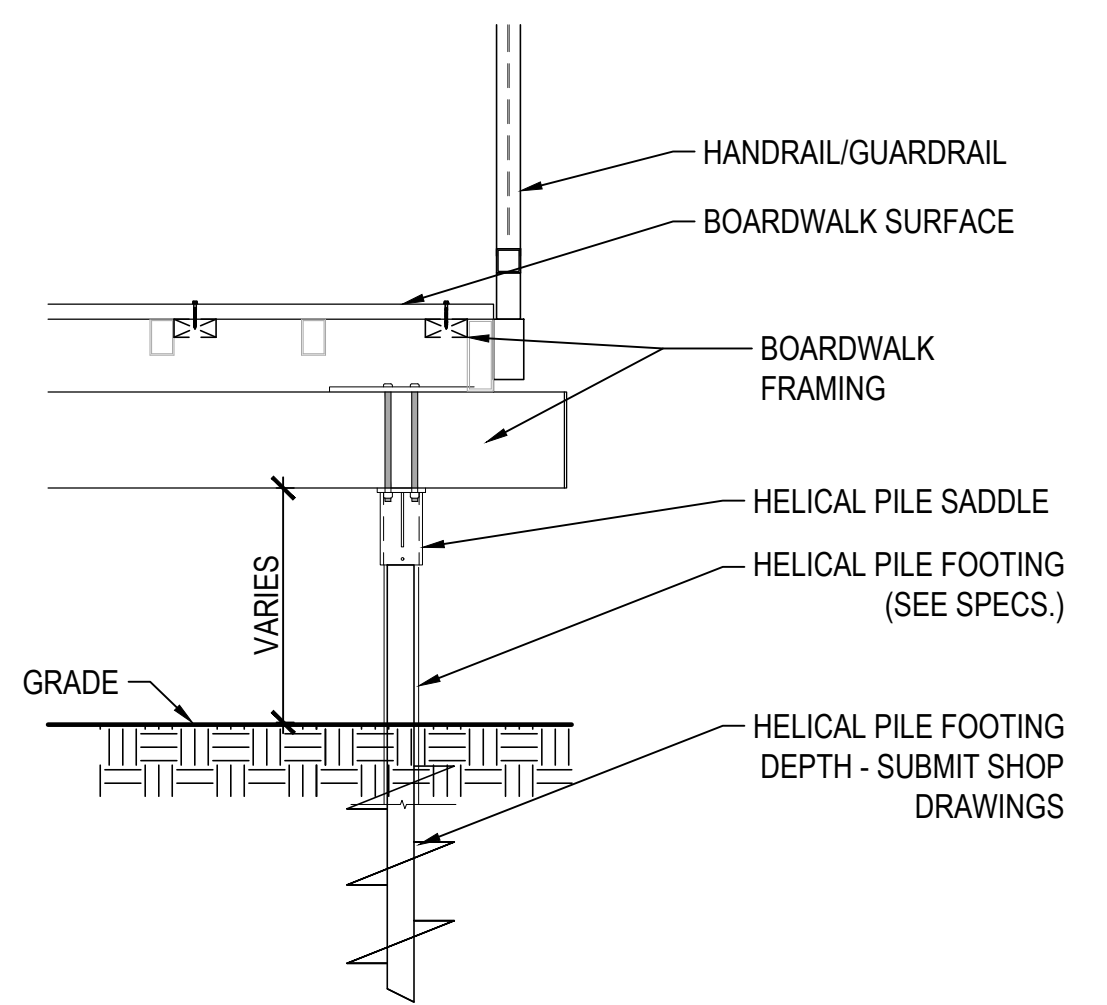
12 LIGHT MOUNT AT BOARDWALK
SCALE: 3/4" = 1'-0"



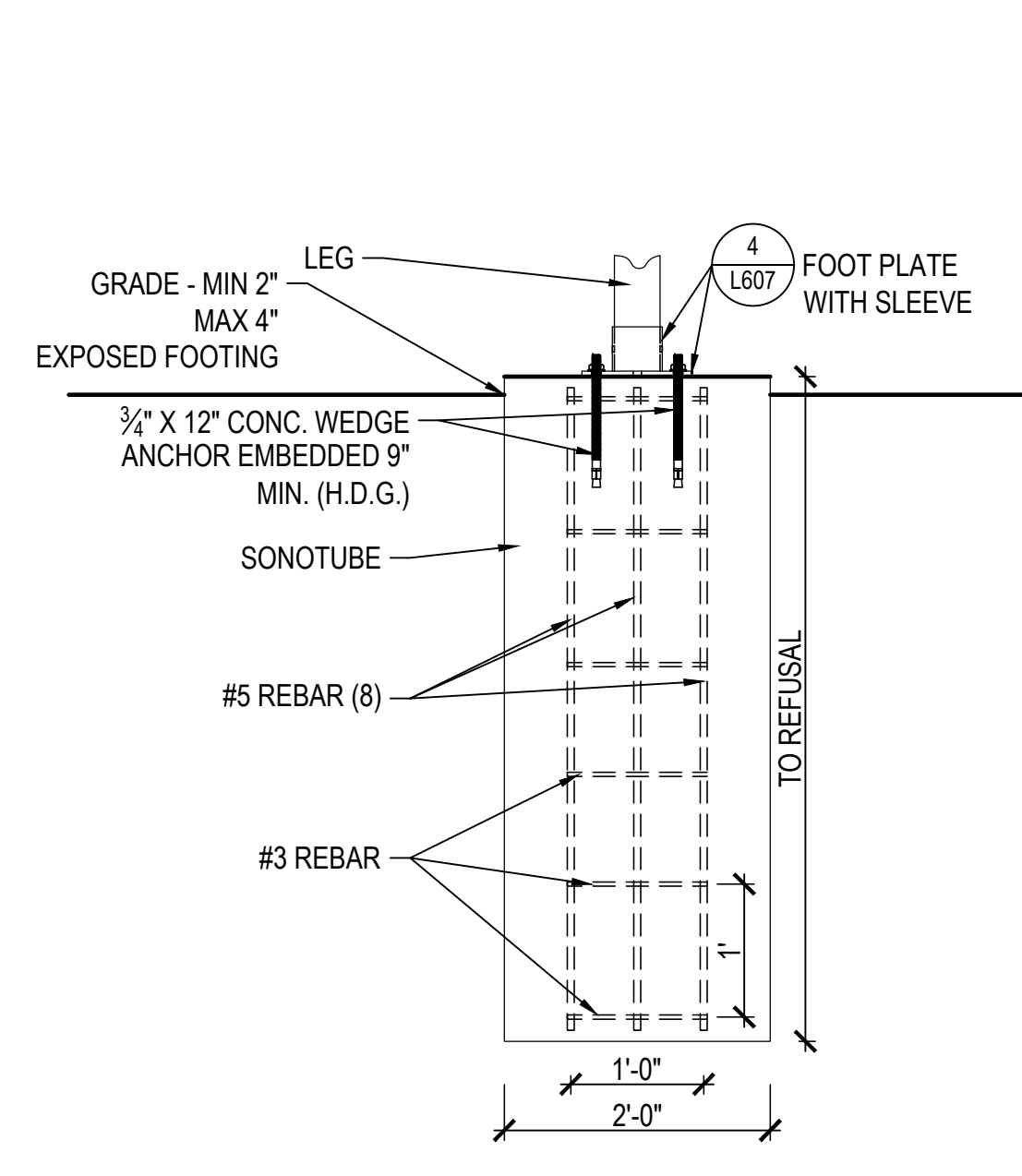
13 BOARDWALK STAIR
SCALE: NTS



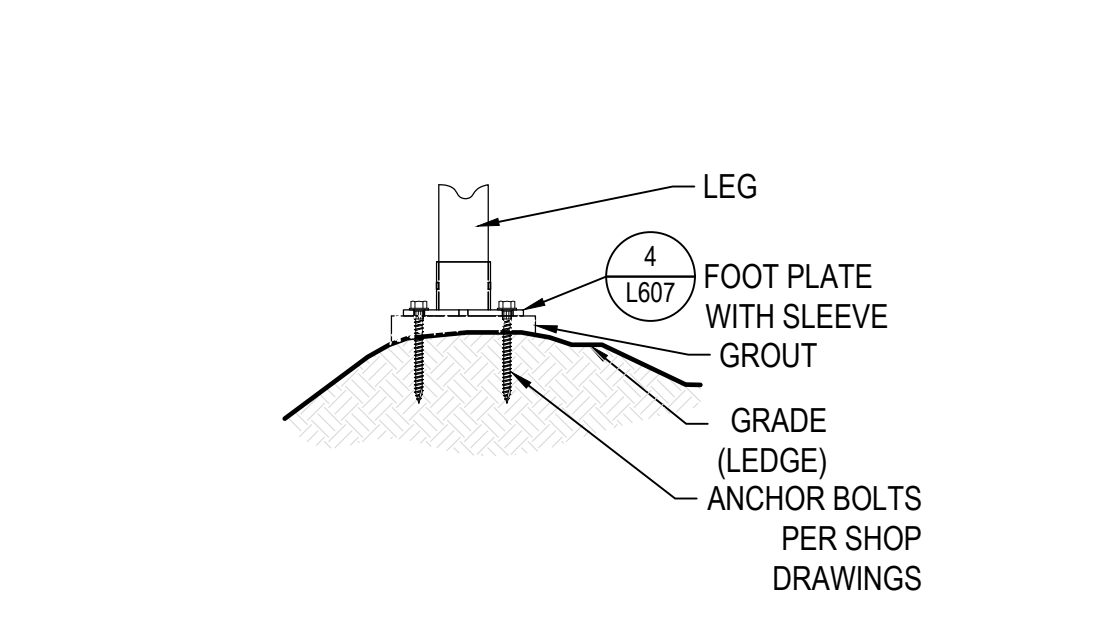
4 FOOT PLATE AND SLEEVE
SCALE: 2" = 1'-0"



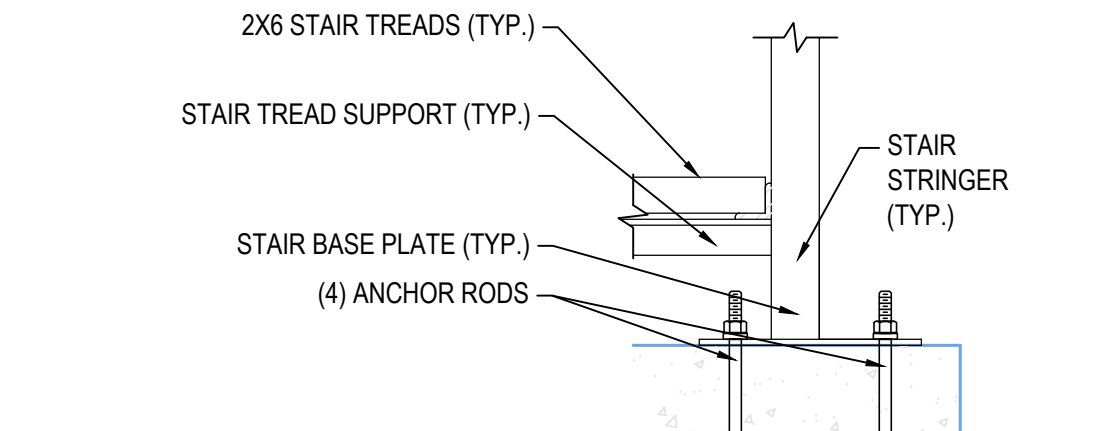
5 HELICAL PILE FOOTING
SCALE: 3/4" = 1'-0"



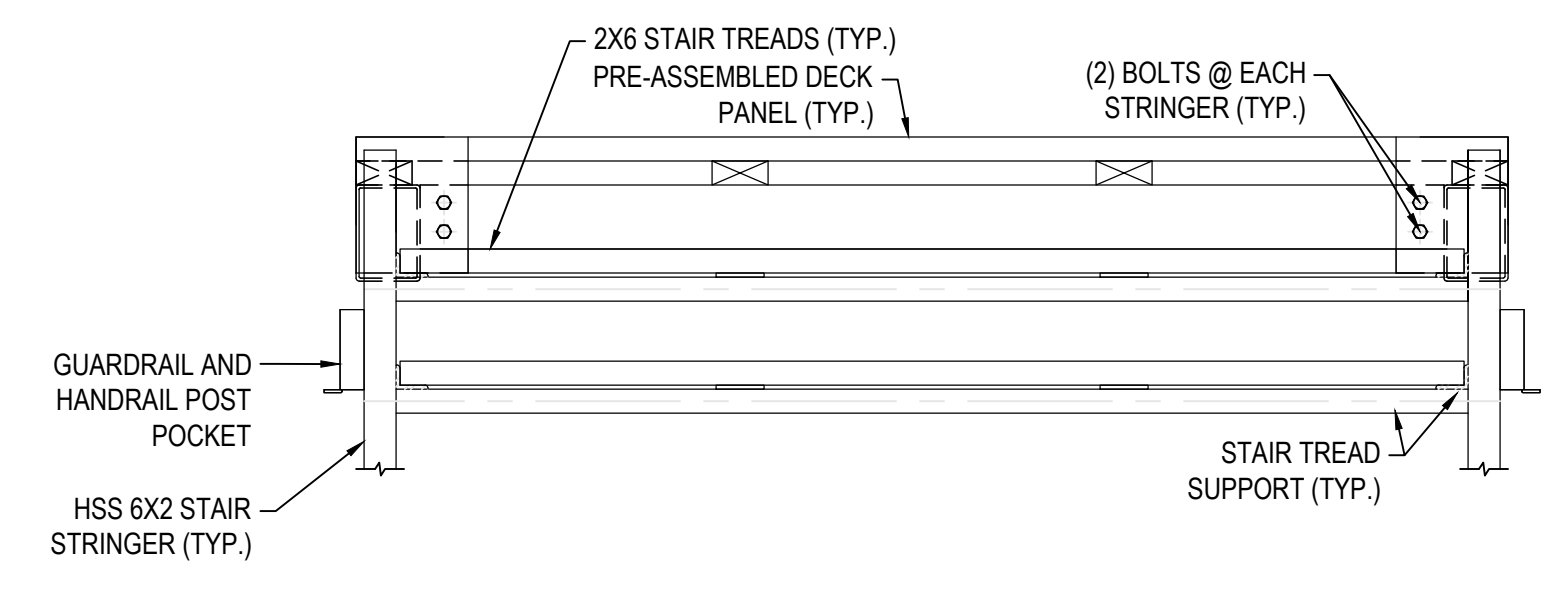
6 CONC. SONOTUBE FOOTING
SCALE: 3/4" = 1'-0"



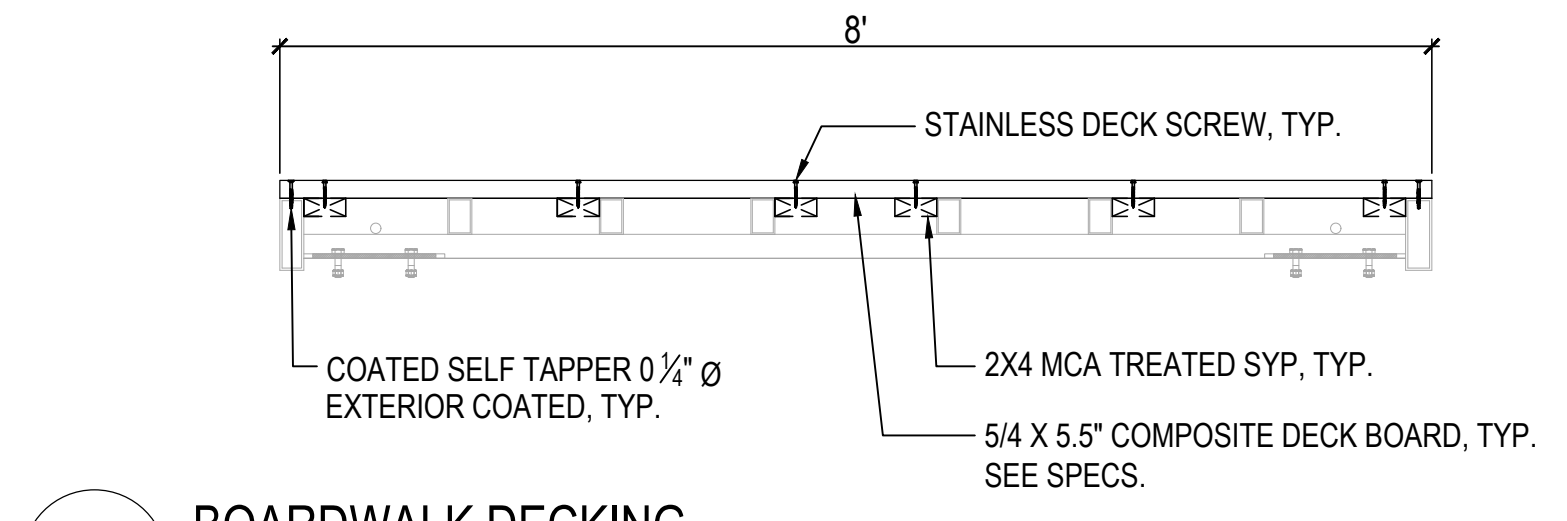
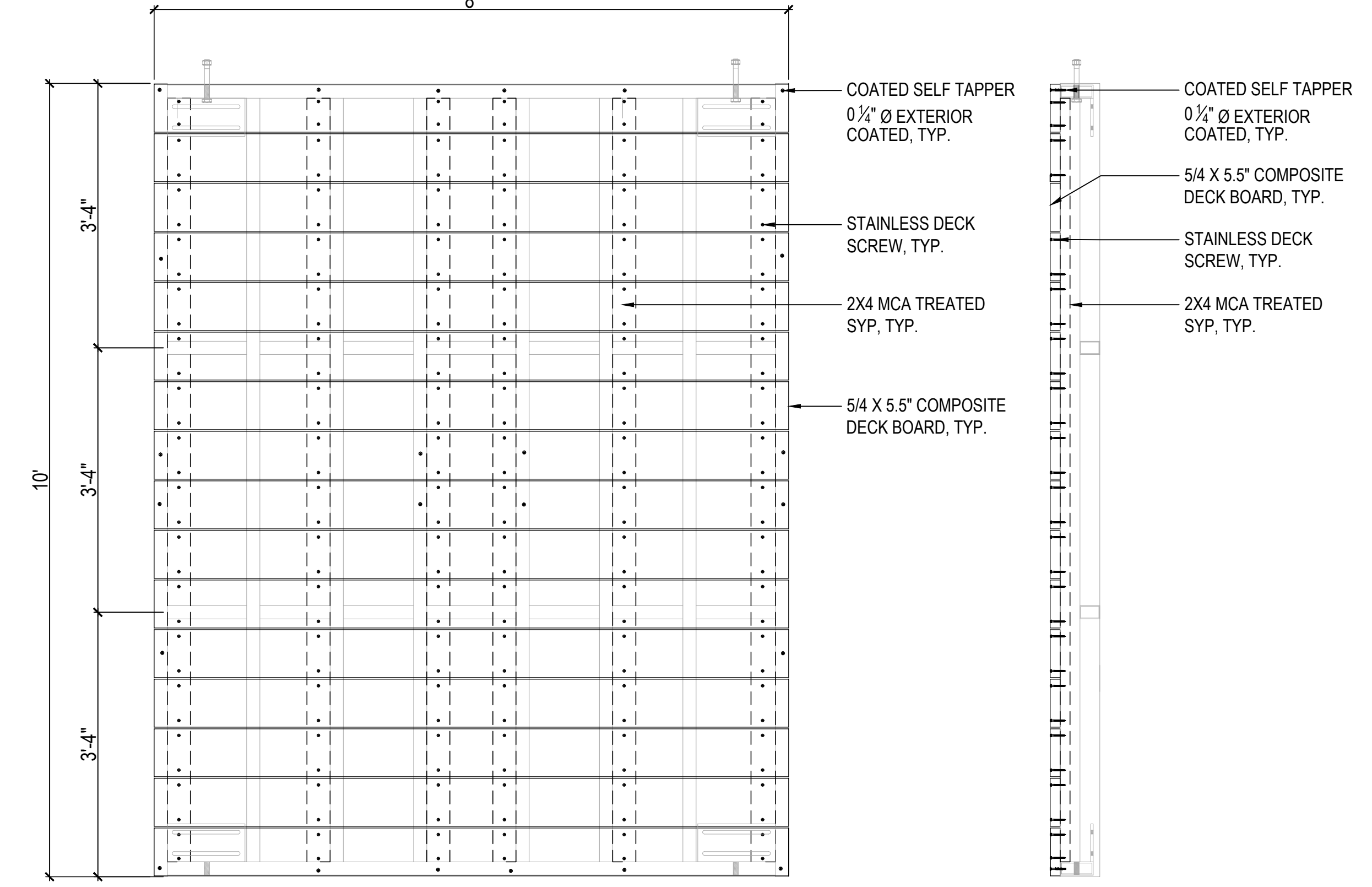
7 FOOTING ON LEDGE
SCALE: 3/4" = 1'-0"



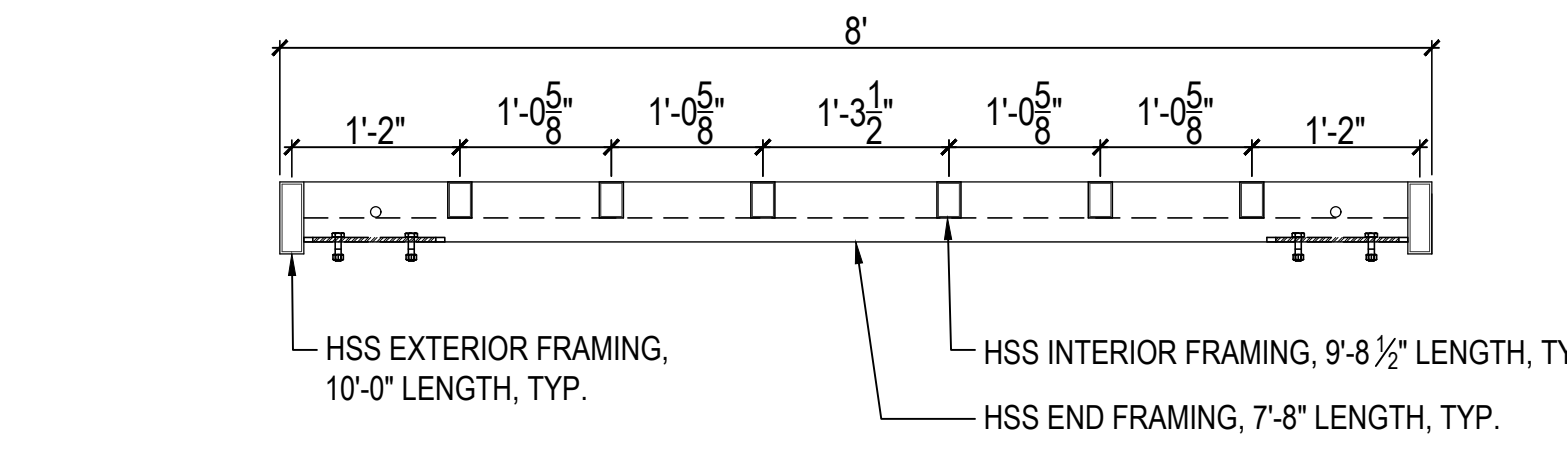
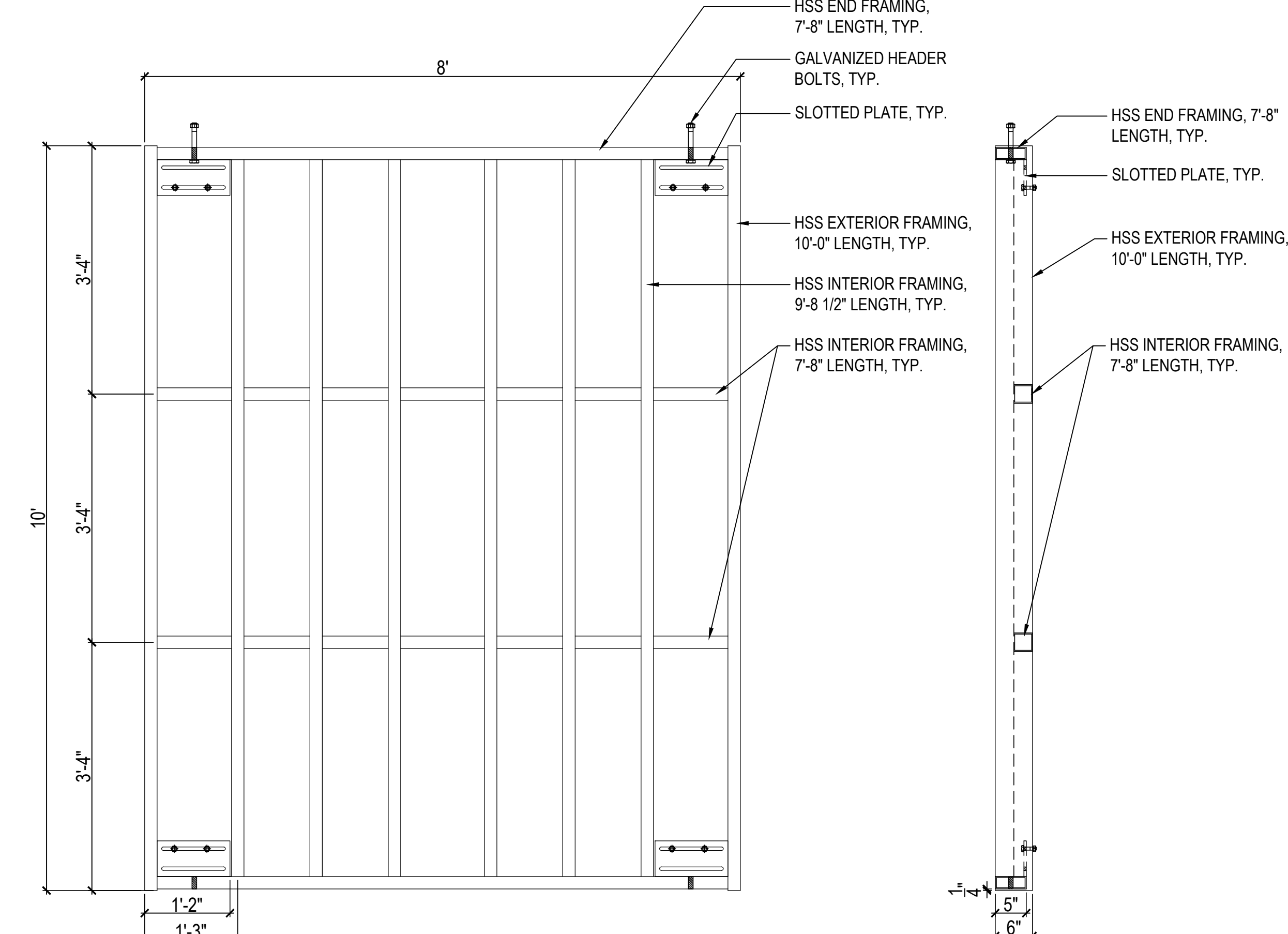
8 SECTION AT STAIR BASE
SCALE: 1 1/2" = 1'-0"



9 BOARDWALK STAIR - SECTION (SIDE VIEW)
SCALE: 1" = 1'-0"

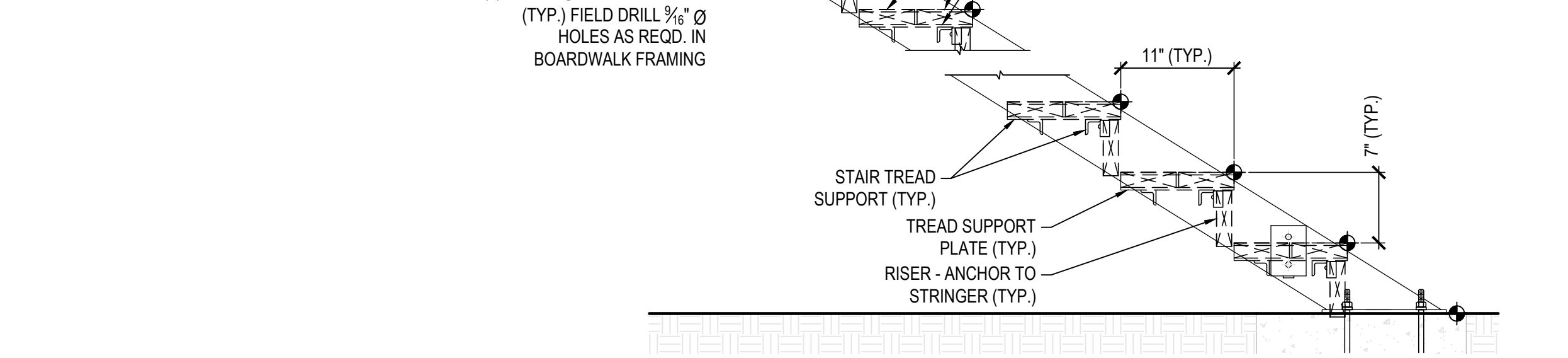


1 BOARDWALK DECKING
SCALE: 3/4" = 1'-0"



2 BOARDWALK FRAMING
SCALE: 3/4" = 1'-0"

- NOTES:
1. STAIR STEP QUANTITY TO BE DETERMINED BY PROJECT REQUIREMENTS.
 2. STAIR TREAD WIDTH / RISER HEIGHT MAY VARY WITHIN ALLOWABLE CODE VALUES TO MEET PROJECT REQUIREMENTS.
 3. STAIR BASE PLATE CONNECTION MAY VARY PER PROJECT REQUIREMENTS.



3 BOARDWALK SECTION AT STAIRS
SCALE: 1" = 1'-0"

DRA

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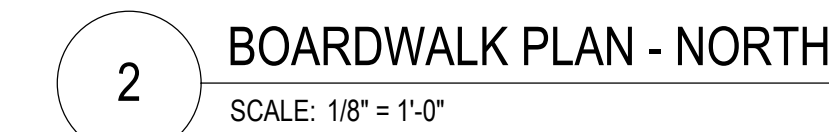
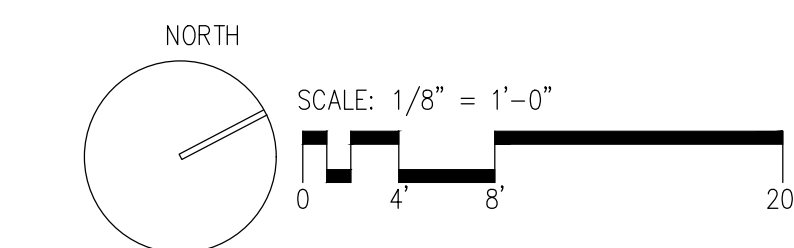
BID SET

August 28, 2023

BOARDWALK DETAILS

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L607



DRA

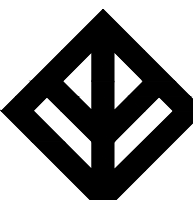
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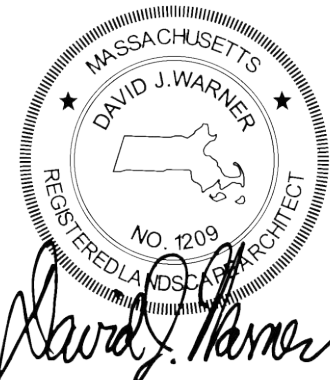
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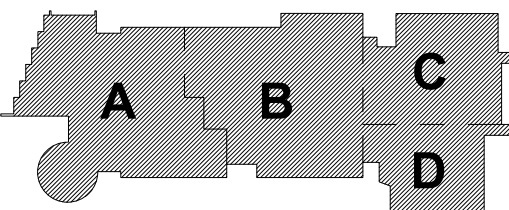
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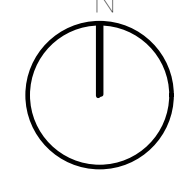
BID SET

August 28, 2023

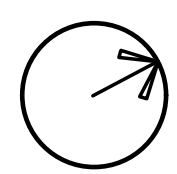


KEY PLAN

PROJECT NORTH



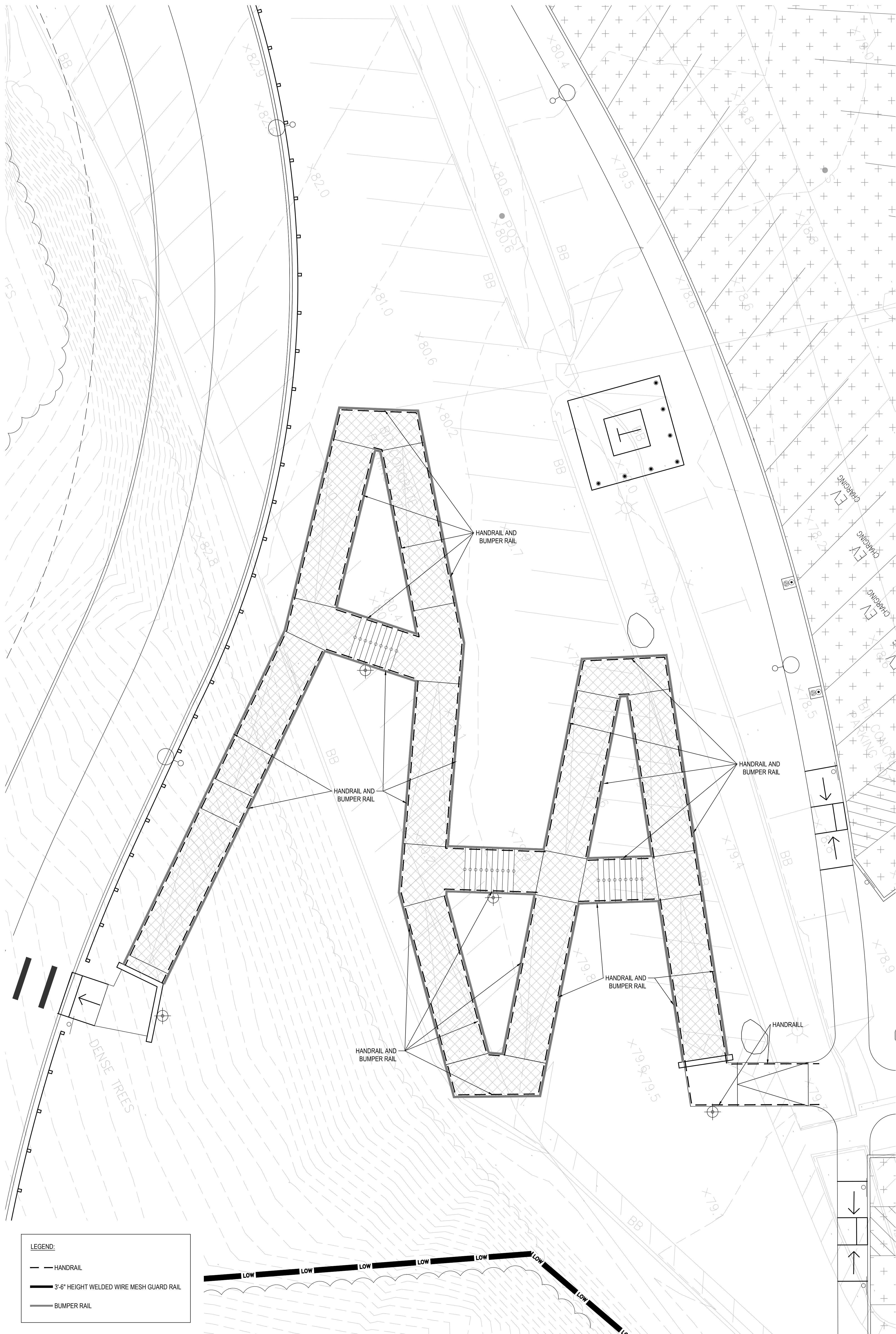
MAGNETIC NORTH



BOARDWALK
HANDRAIL AND
GUARDRAIL
PLAN - 2

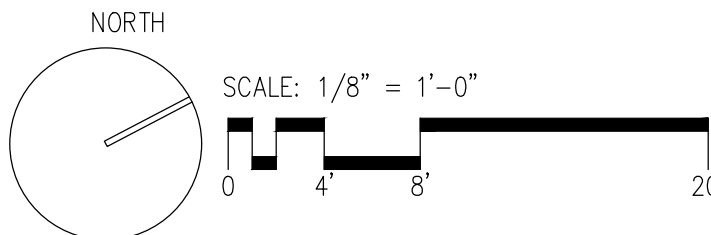
Scale: 1/8" = 1'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

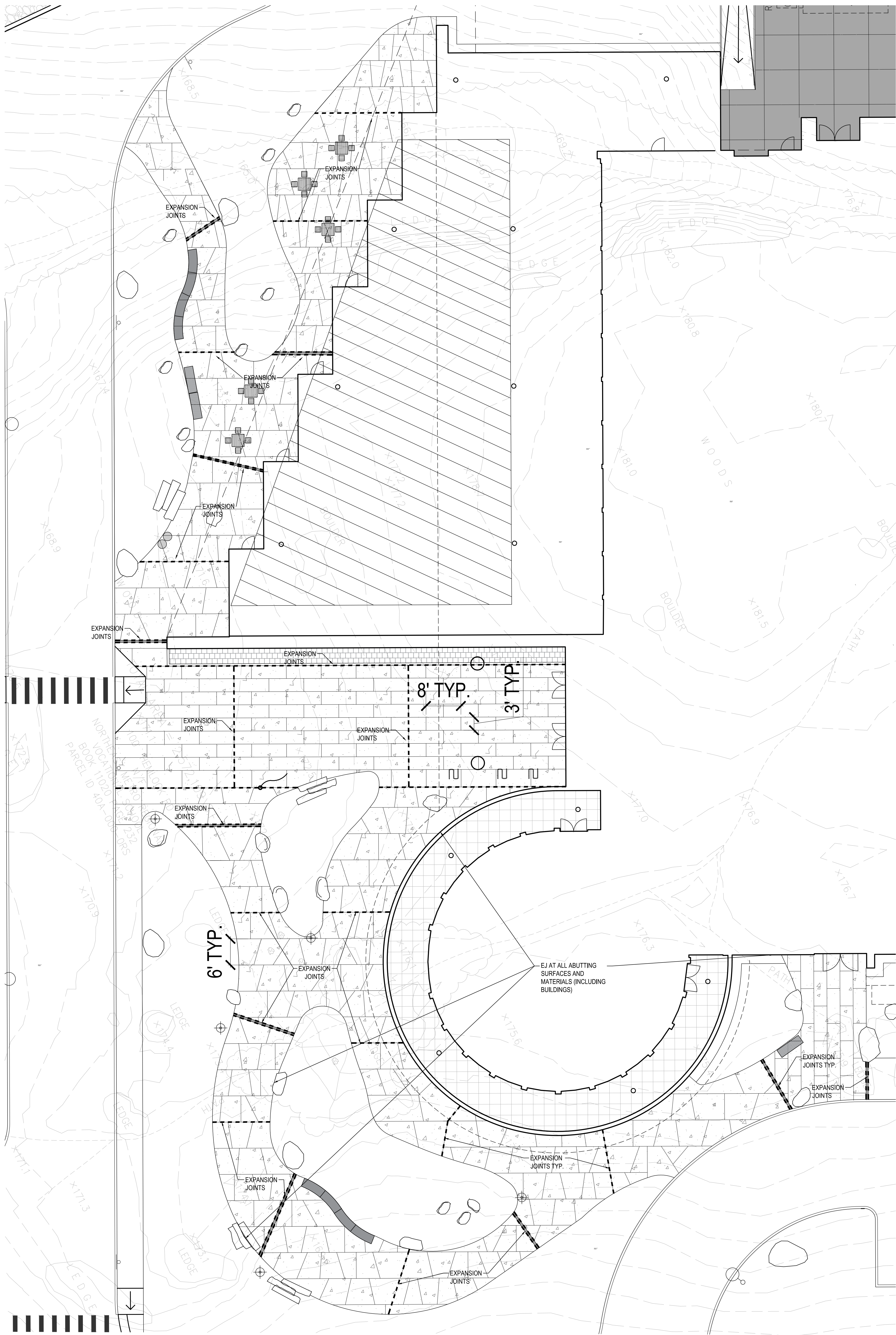
L702



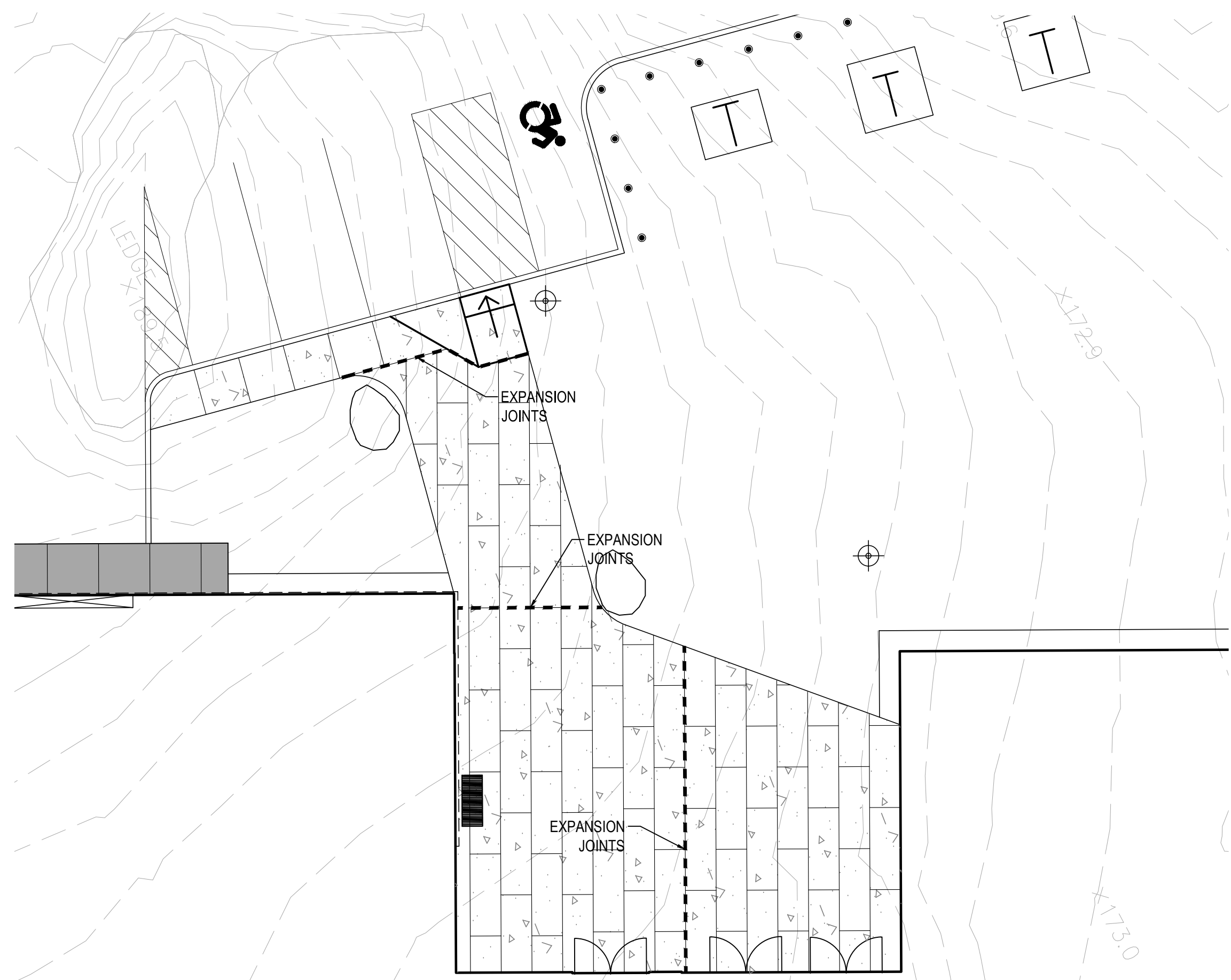
LEGEND:
— HANDRAIL
— 3'-6" HEIGHT WELDED WIRE MESH GUARD RAIL
— BUMPER RAIL

1 BOARDWALK PLAN - LOWER RAMP
SCALE: 1/8" = 1'-0"

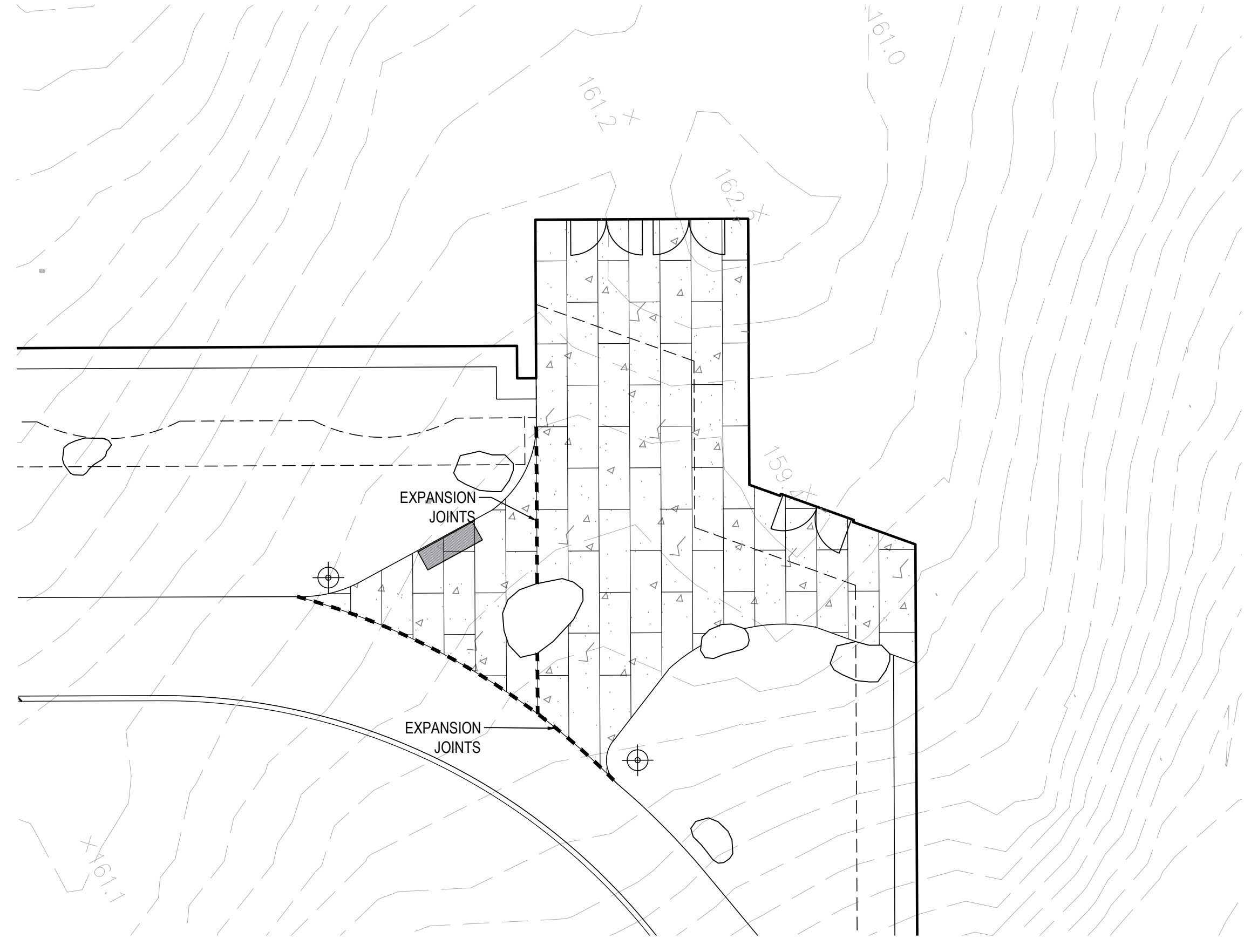




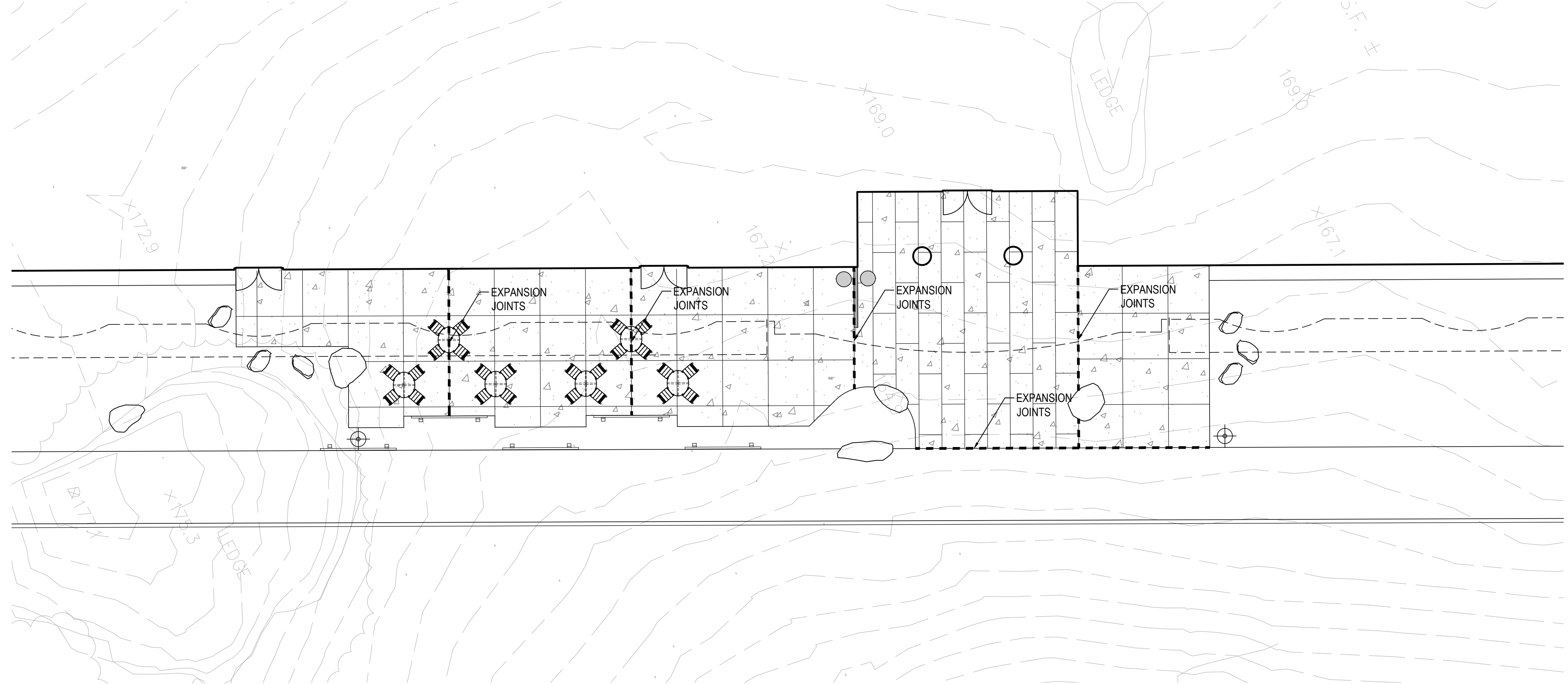
1 WEST PLAZA ENTRANCE PAVING ENLARGEMENT
SCALE: 1/10" = 1'-0"



4 NORTH ENTRY PAVING ENLARGEMENT
SCALE: 1/10" = 1'-0"



3 SOUTHEAST ENTRY PAVING ENLARGEMENT
SCALE: 1/10" = 1'-0"



2 SOUTH PLAZA PAVING ENLARGEMENT
SCALE: 1/10" = 1'-0"

DRA

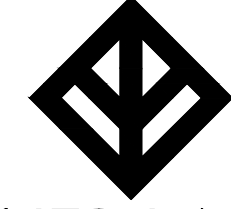
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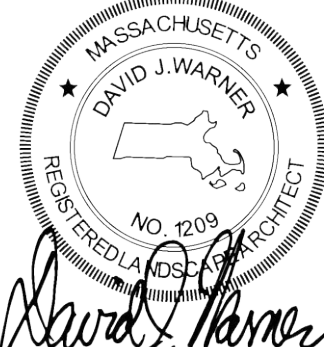
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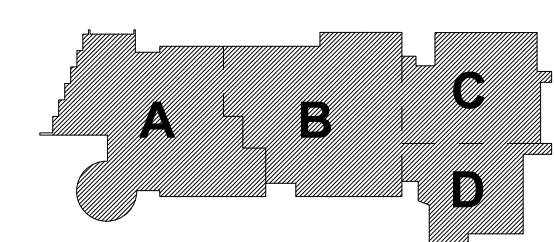
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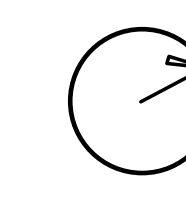
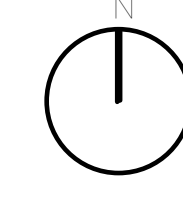
BID SET

August 28, 2023


KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



L703 - PLAZA ENTRANCE JOINTS PLAN

Scale: 1/10" = 1'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023

L703



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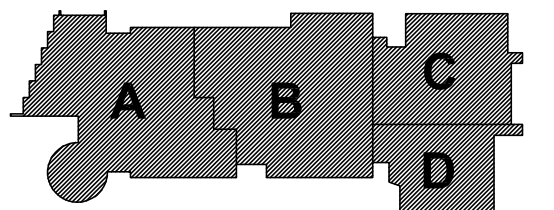
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August 28, 2023



KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

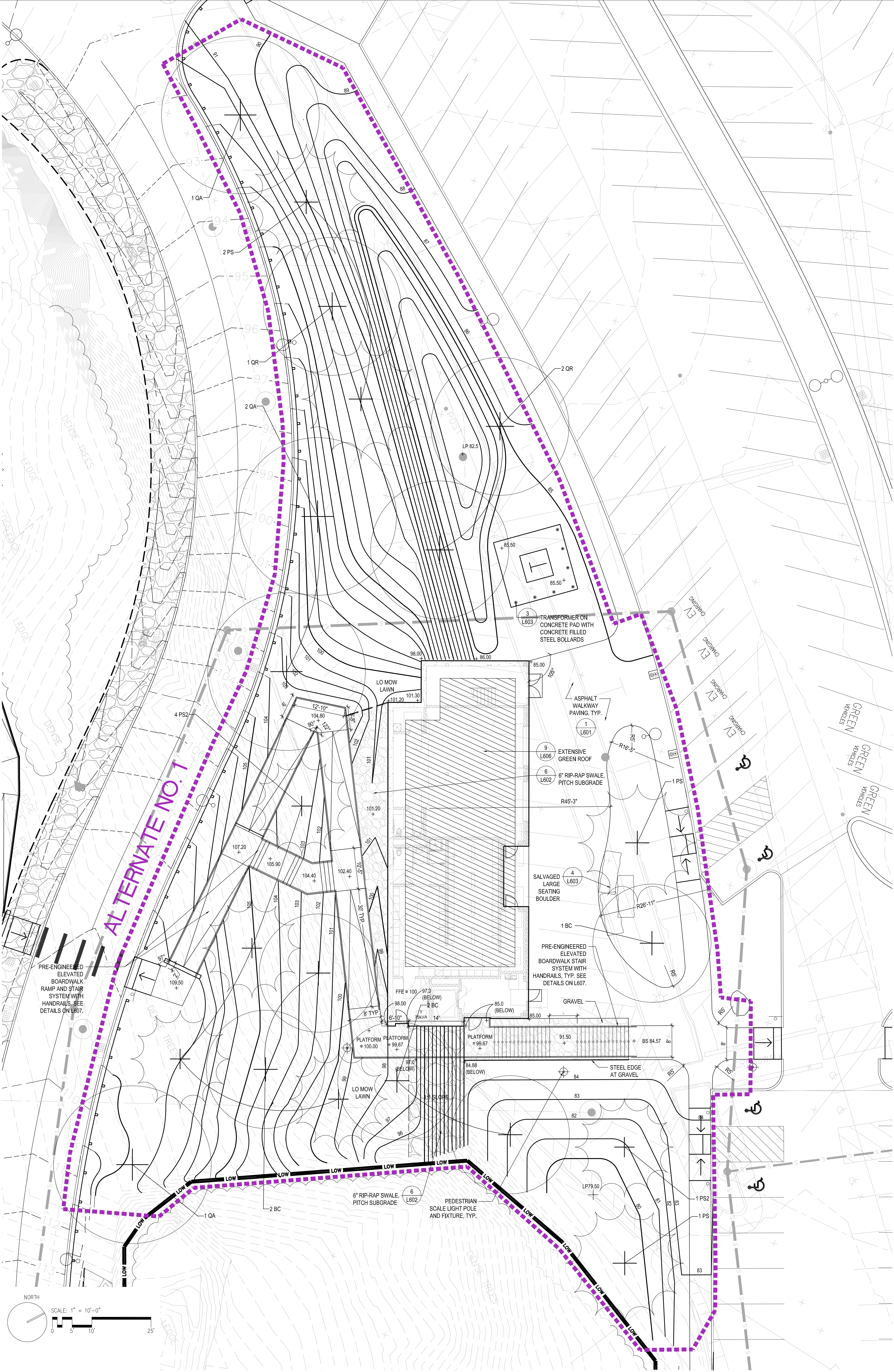
ALTERNATE
NO. 1 LOCKER
BUILDING

Scale: 1" = 10'-0"
Job No.: 20202.00
Drawn By: JM/AA
Date: August 28, 2023
L801

THE SCOPE OF WORK SHOWN ON THIS SHEET
IS UNDER BID ALTERNATE NO. 1

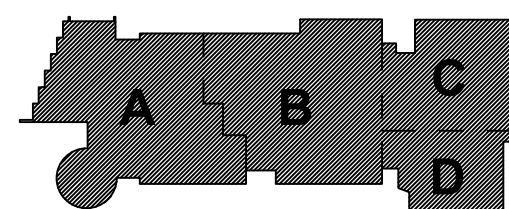
FOR NOTES AND LEGENDS:
REFER TO BASE-BID DRAWINGS (LAYOUT, MATERIALS, GRADING, PLANTING, ETC.)

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
QA	3	Quercus alba	White Oak	1.5" Cal.	
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
BC	5	Betula papyrifera 'Clump'	Clump Paper Birch	7-8" Ht. B&B	
QR	3	Quercus rubra	Red Oak	2.5-3" cal. B&B	Native
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
PS	4	Pinus strobus	White Pine	8-10' Ht. B&B	Native Evergreen
PS2	5	Pinus strobus	White Pine	5-6' Ht. B&B	



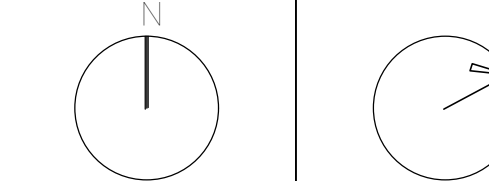


Bid Set
August 28, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



IRRIGATION
PLAN

Scale: 1" = 20.0'
Job No.: 20202.00
Drawn By: SOG/JLW
Date: July 20, 2023

I101

IRRIGATION NOTES

- SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION 528400 FOR ADDITIONAL REQUIRED INFORMATION.
- PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY.
- TWO-WIRE COMMUNICATION CABLE FROM CONTROLLER TO VALVES SHALL BE POLYETHYLENE DOUBLE JACKETED TWO CONDUCTOR SOLID CORE, DESIGNED FOR DIRECT BURIAL. SUFFICIENT SLACK SHOULD BE LEFT IN COMMUNICATION CABLE AT DECODER LOCATIONS TO BRING DECODERS, SPICES, AND SOLENOIDS ABOVE GRADE.
- QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
- MEDIUM ROTARY SPRINKLERS SHALL BE INSTALLED ON 3/4-INCH PREFABRICATED UNITIZED SHVEL JOINTS. LARGE ROTARY SPRINKLERS SHALL BE INSTALLED ON 1-INCH PVC PREFABRICATED UNITIZED SWING JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
- IRRIGATION SYSTEM IS DESIGNED TO PROVIDE 150 GPM MAX FROM NEW 4-INCH SERVICE. SYSTEM TO PRODUCE 88-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTOR'S POINT OF CONNECTION IN LANDSCAPED AREA.
- CONTRACTOR SHALL TEST DYNAMIC PRESSURE BEFORE STARTING WORK. REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REP. AT ONCE BEFORE CONTINUING.
- INSTALL CONTROLLER IN ENCLOSURE, GENERALLY WHERE SHOWN ON THE DRAWINGS. HARD WIRE TO 120 VOLT POWER SUPPLY. ROUTE COMMUNICATION CABLE TO CONTROLLER VIA CONDUIT THROUGH ENCLOSURE BASE.
- INSTALL RAIN SENSOR WITH GUARD ON OUTSIDE OF CONTROLLER ENCLOSURE. ROUTE RAIN SENSOR WIRING TO CONTROLLER THROUGH ENCLOSURE WALL.
- COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
- FLUSH LATERAL LINES BEFORE INSTALLING SPRINKLERS.
- CONTRACTOR MUST PROVIDE PRODUCT SUBMITTALS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
- ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.

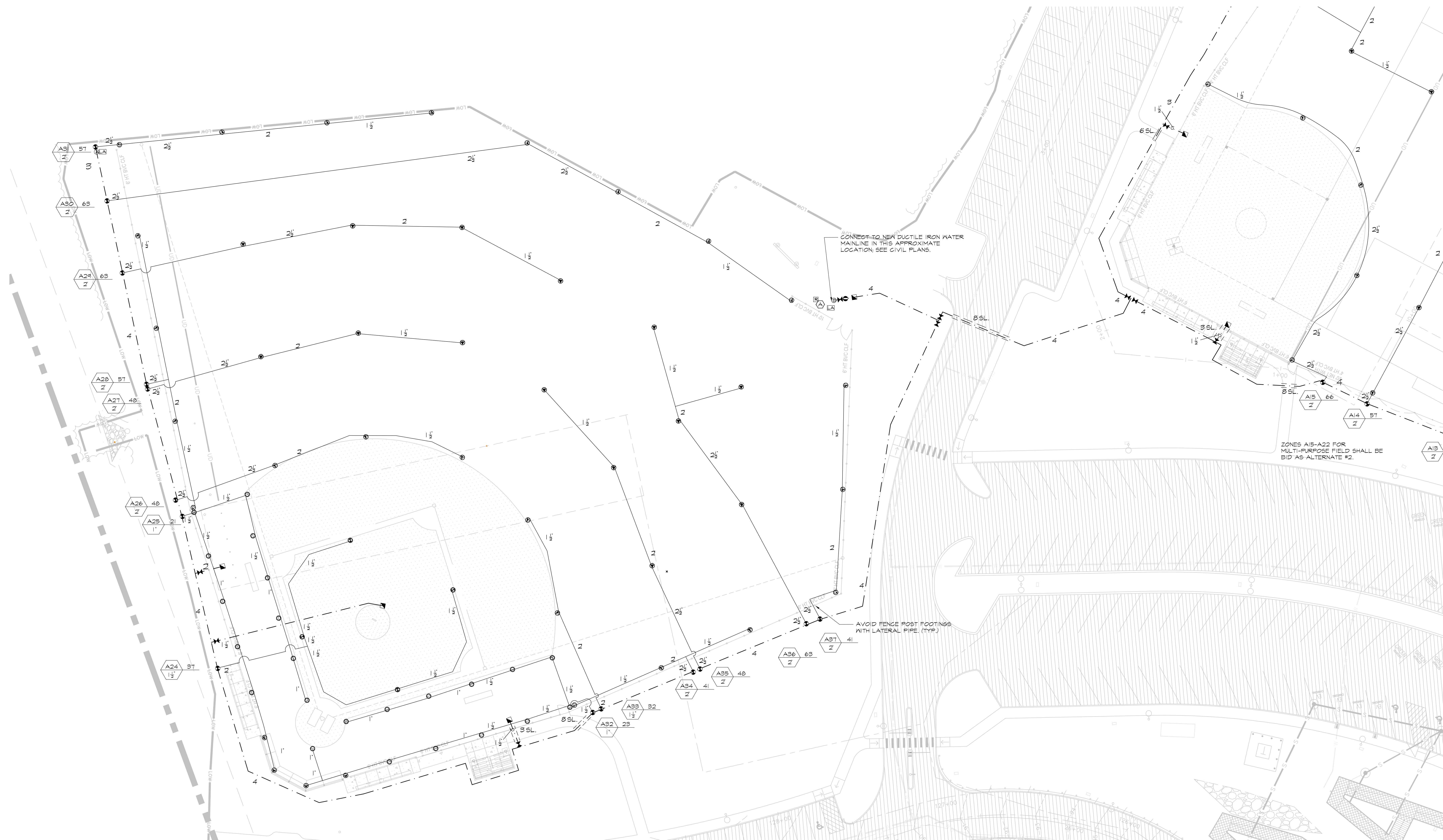
IRRIGATION LEGEND		
SYMBOL	PSI	SPACING
	60	55'
	60	45'
	50	25'
	50	18'
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)	
	ISOLATION GATE VALVE	
	1" QUICK COUPLING VALVE	
	CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED)	
	CLASS-200 PVC MAINLINE PIPING (SIZE AS INDICATED)	
	CLASS-200 PVC PIPE SLEEVE (SIZE AS INDICATED)	
	INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES. MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.	
	AUTOMATIC RAIN SENSOR	
	AUTOMATIC CONTROLLER	
	AIR RELEASE VALVE	
	WATER SUPPLY ENCLOSURE	
	MASTER VALVE AND FLOW SENSOR	
	LIGHTNING ARRESTER	

VALVE DESIGNATION:

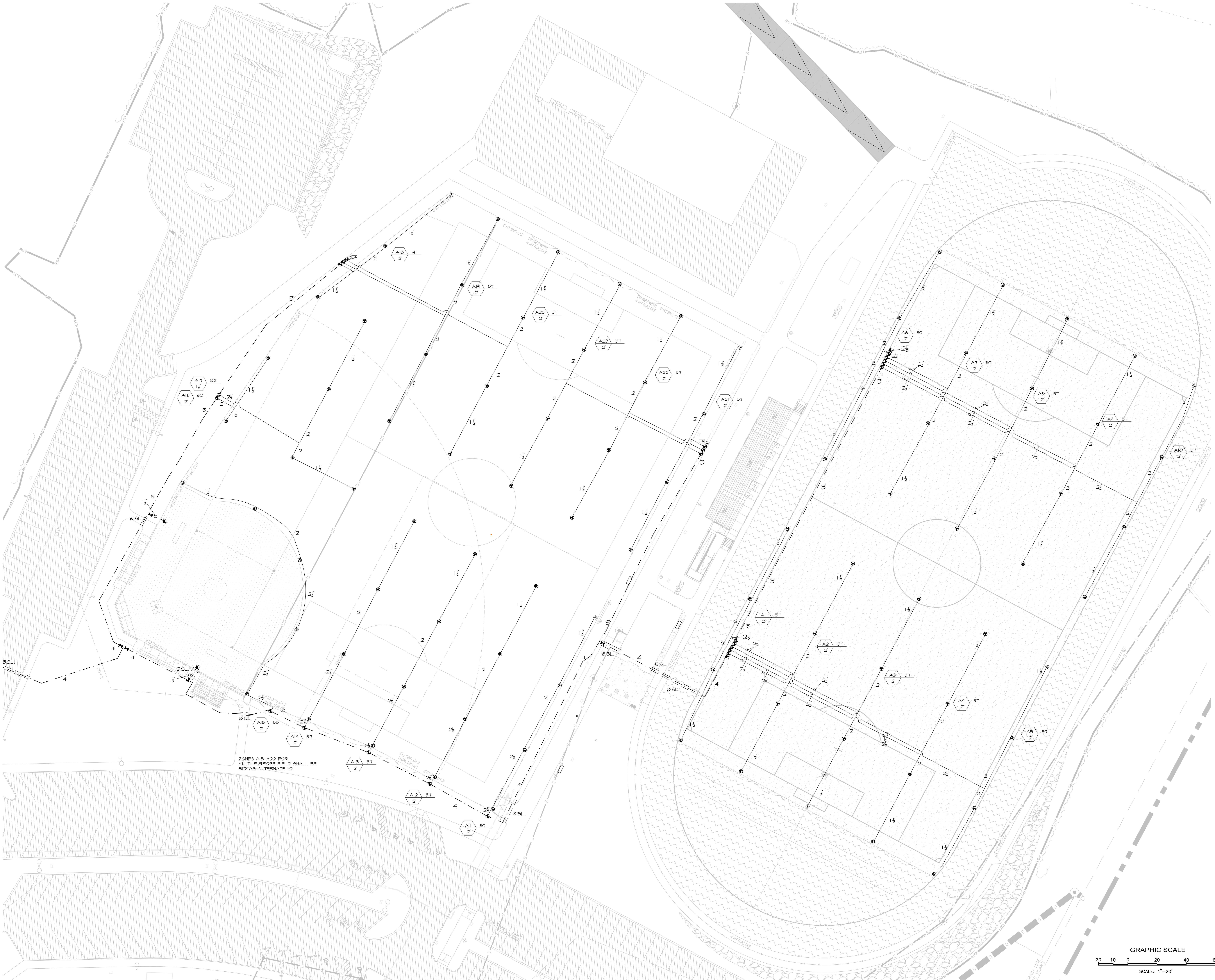
STATION NO.

25' FLOW

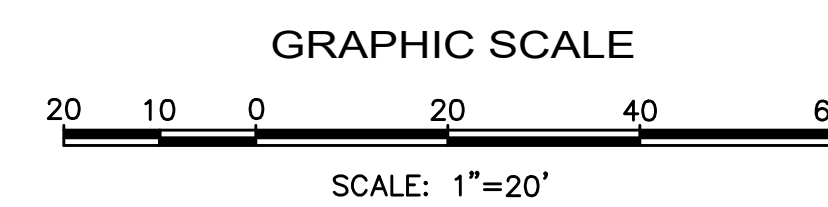
VALVE SIZE



GRAPHIC SCALE
20 10 0 20 40 60
SCALE: 1"=20'



ZONES A18-A22 FOR
MULTI-PURPOSE FIELD SHALL BE
BID AS ALTERNATE #2.



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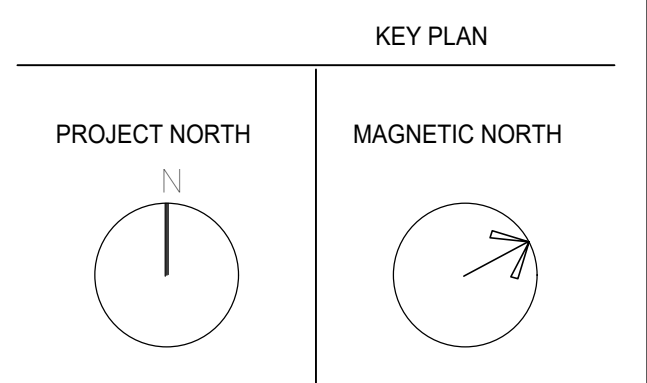
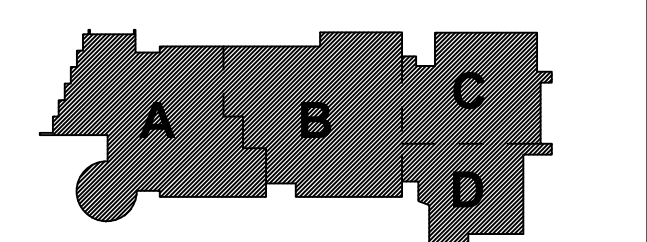
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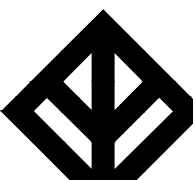
**IRRIGATION
PLAN**

Scale: 1" = 20.0'
Job No.: 20202.00
Drawn By: SOG/JLW
Date: July 20, 2023

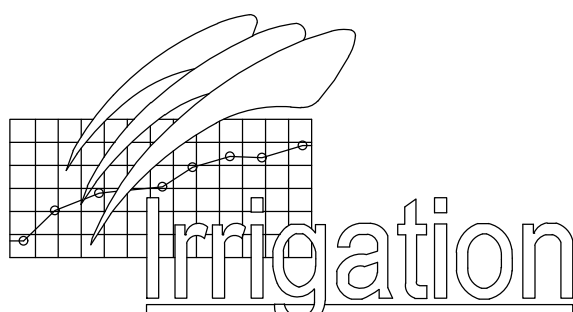
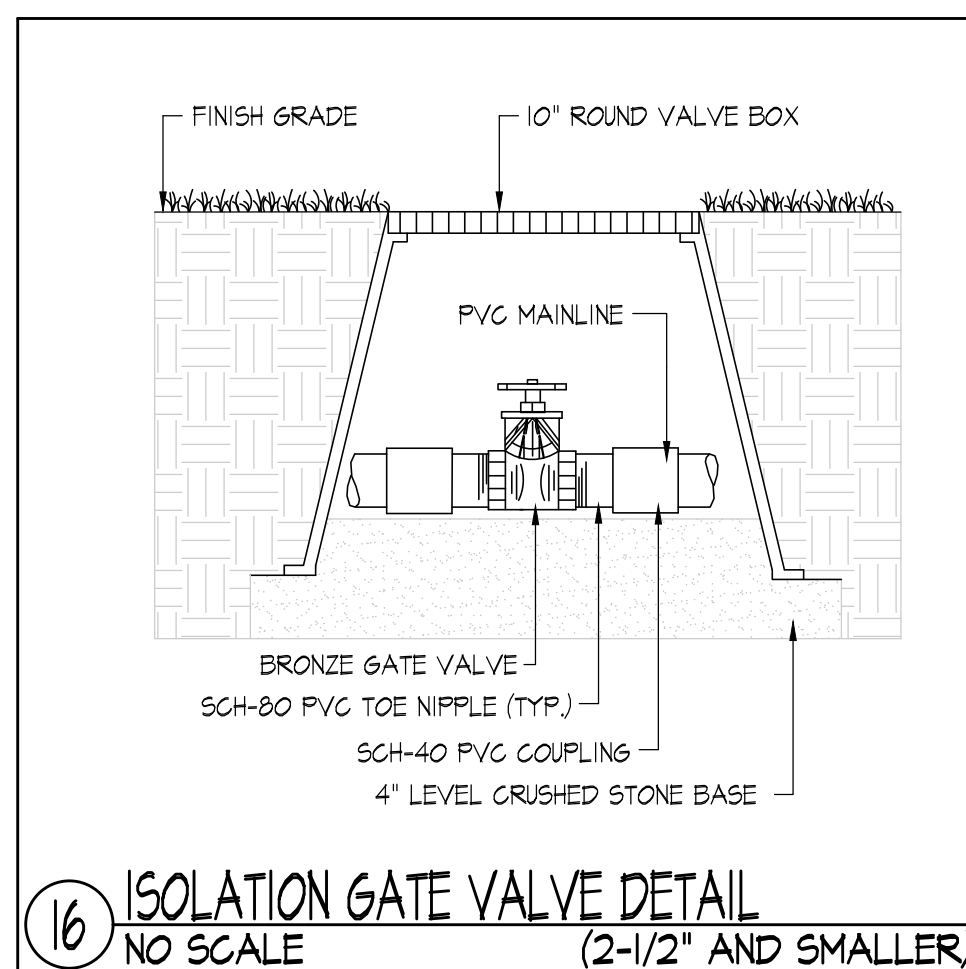
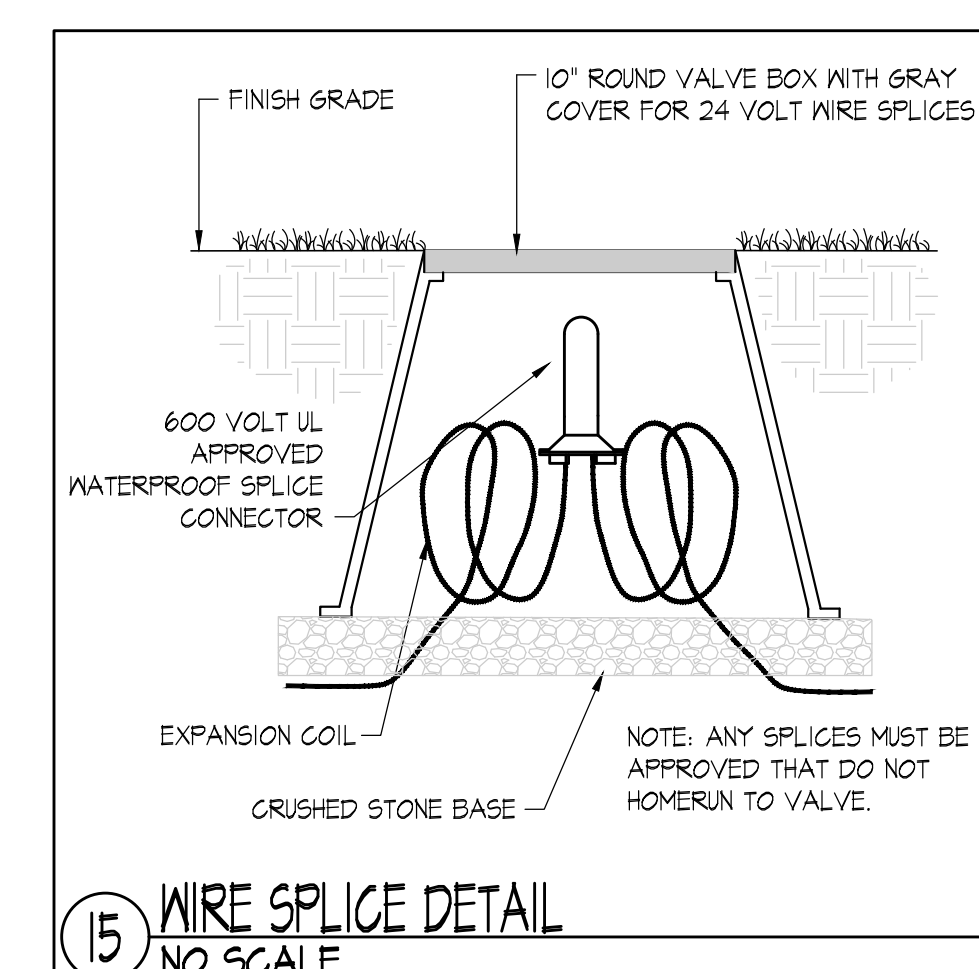
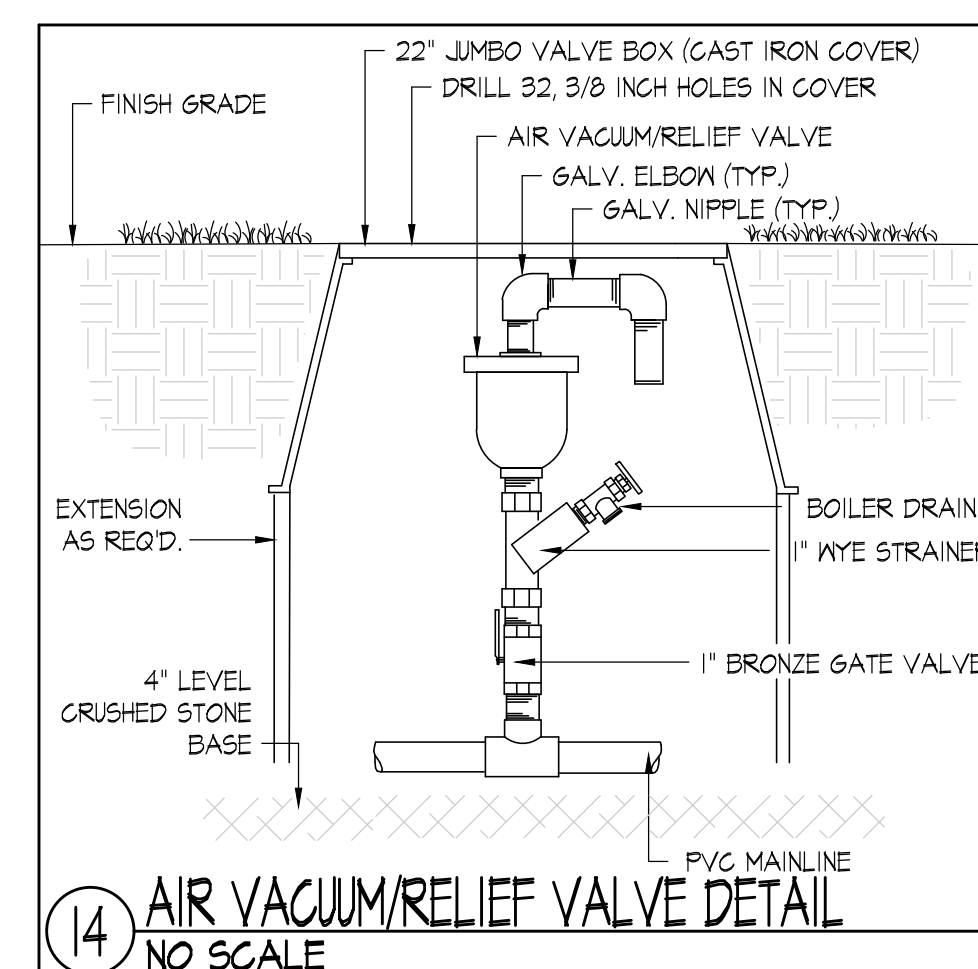
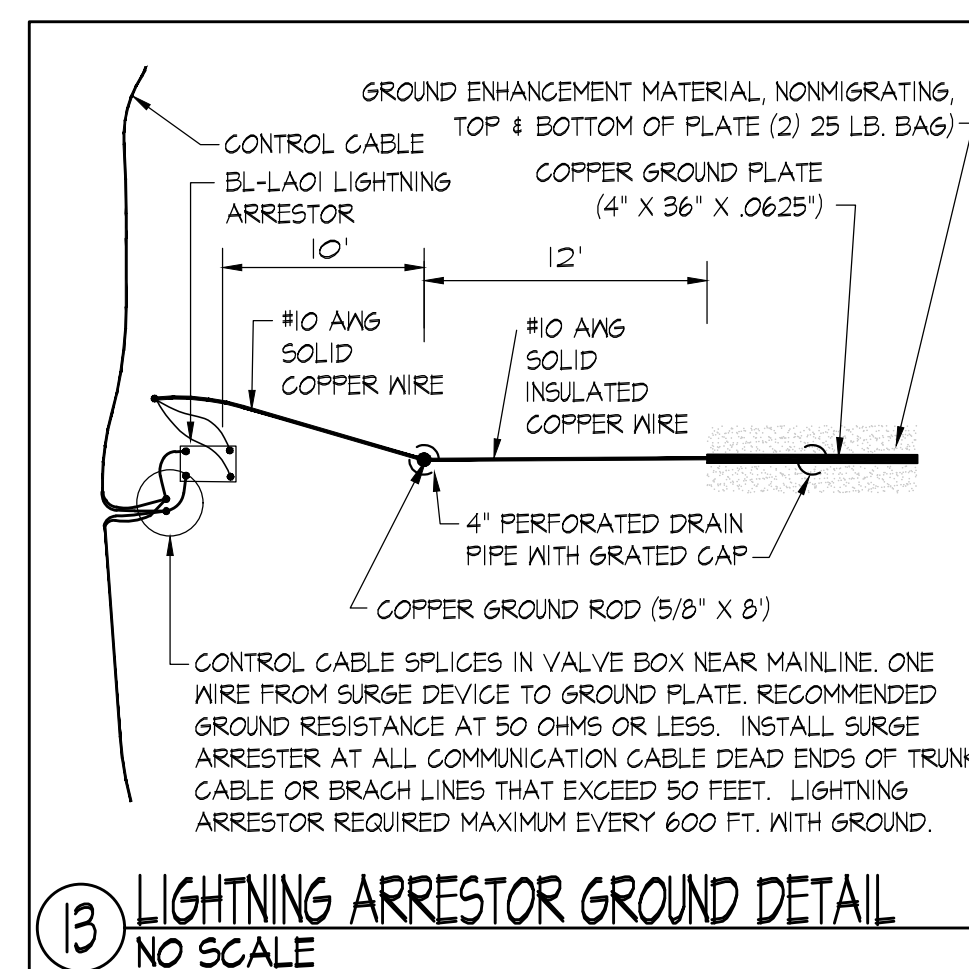
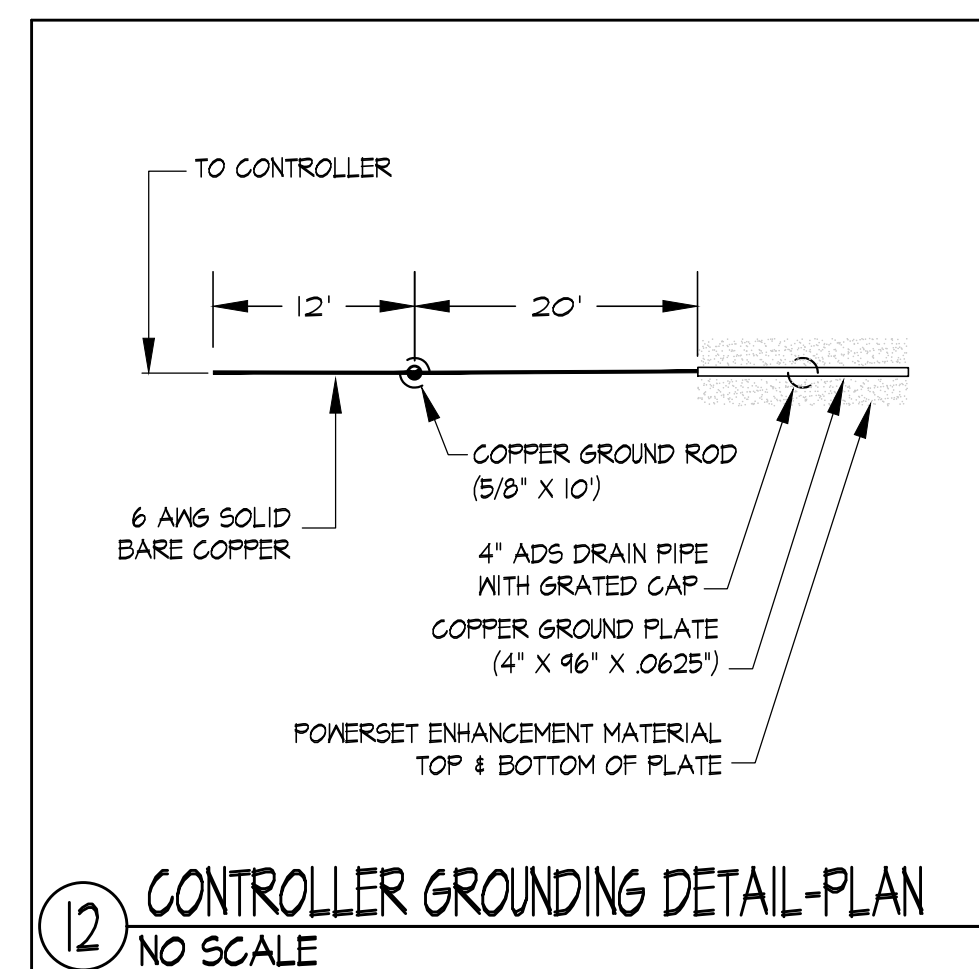
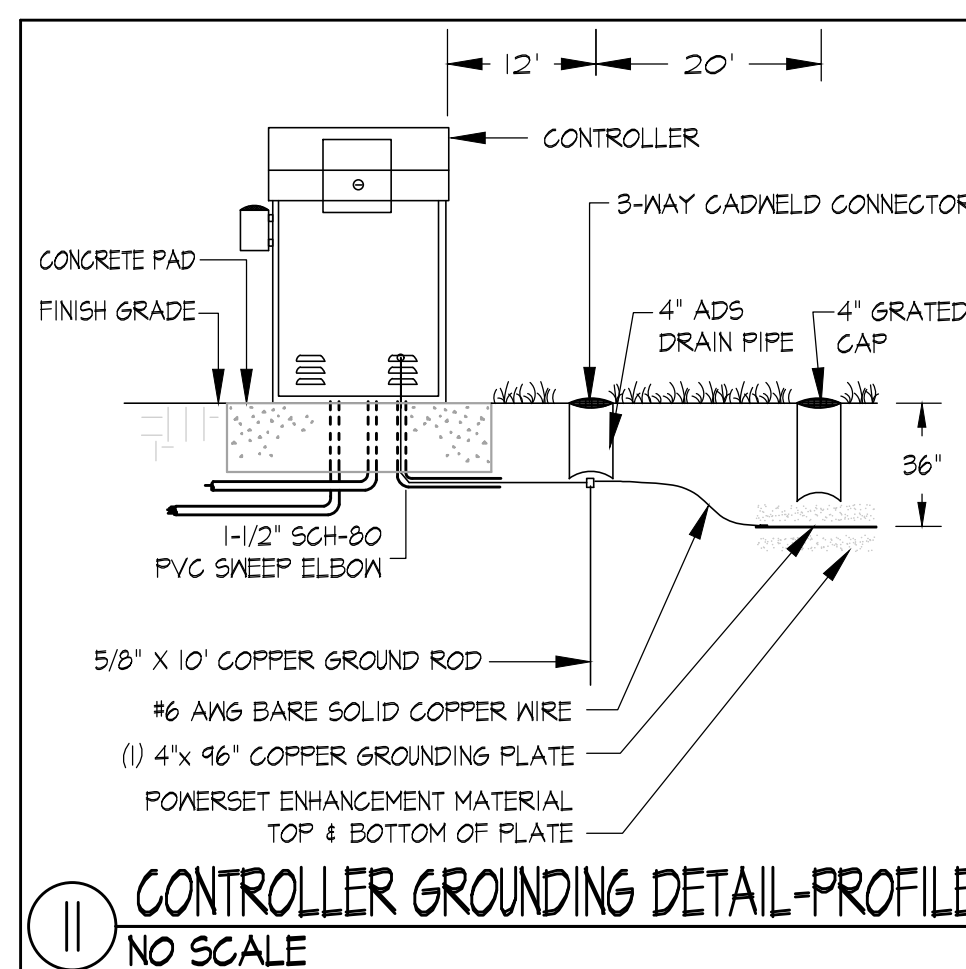
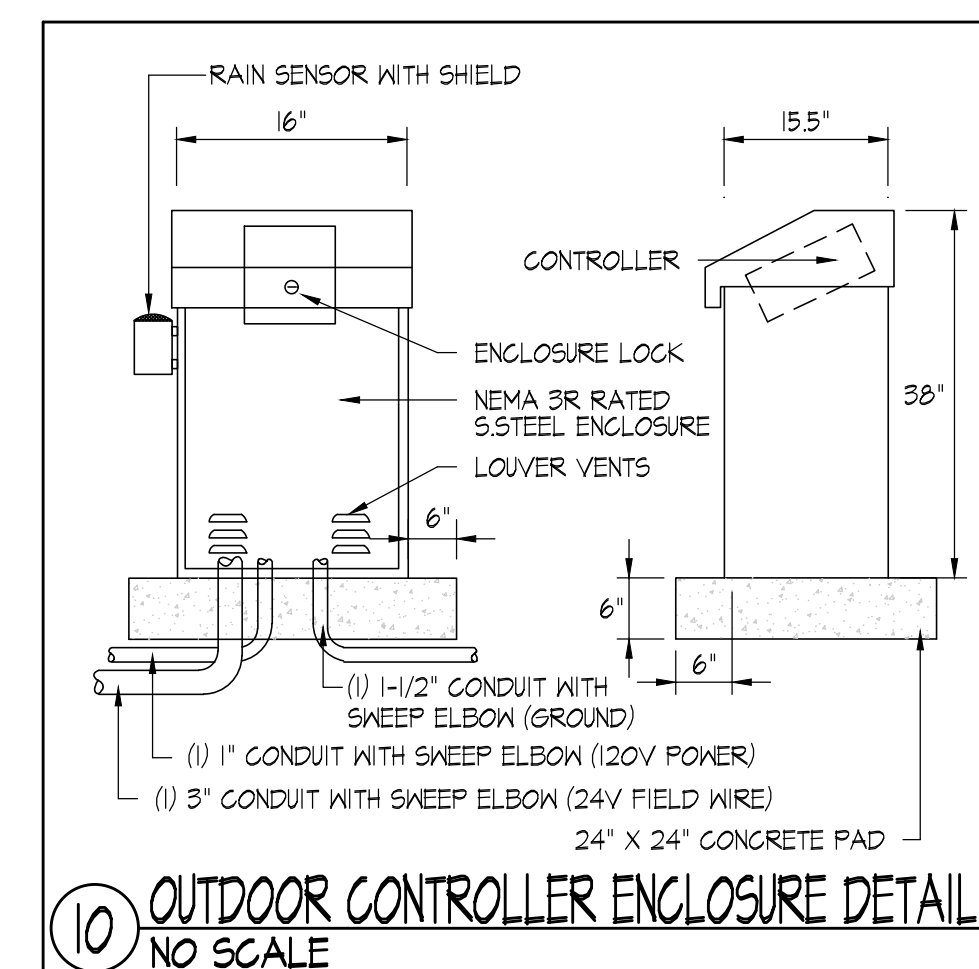
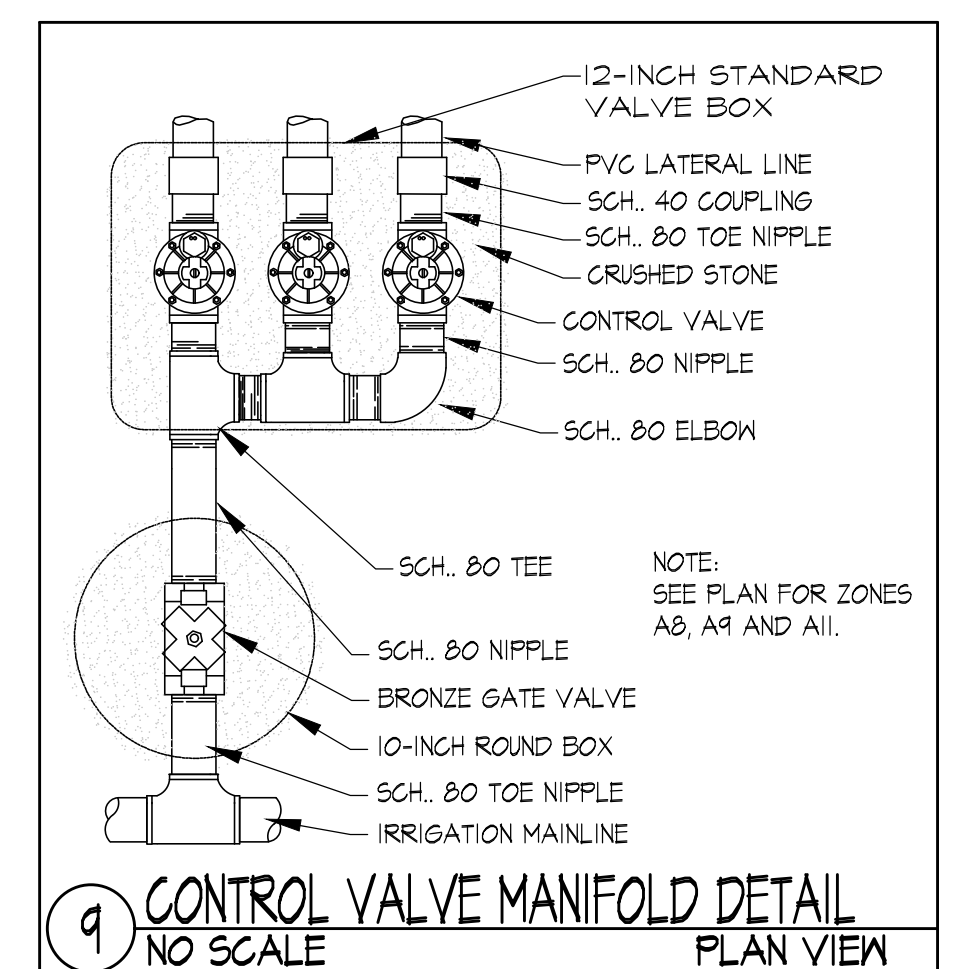
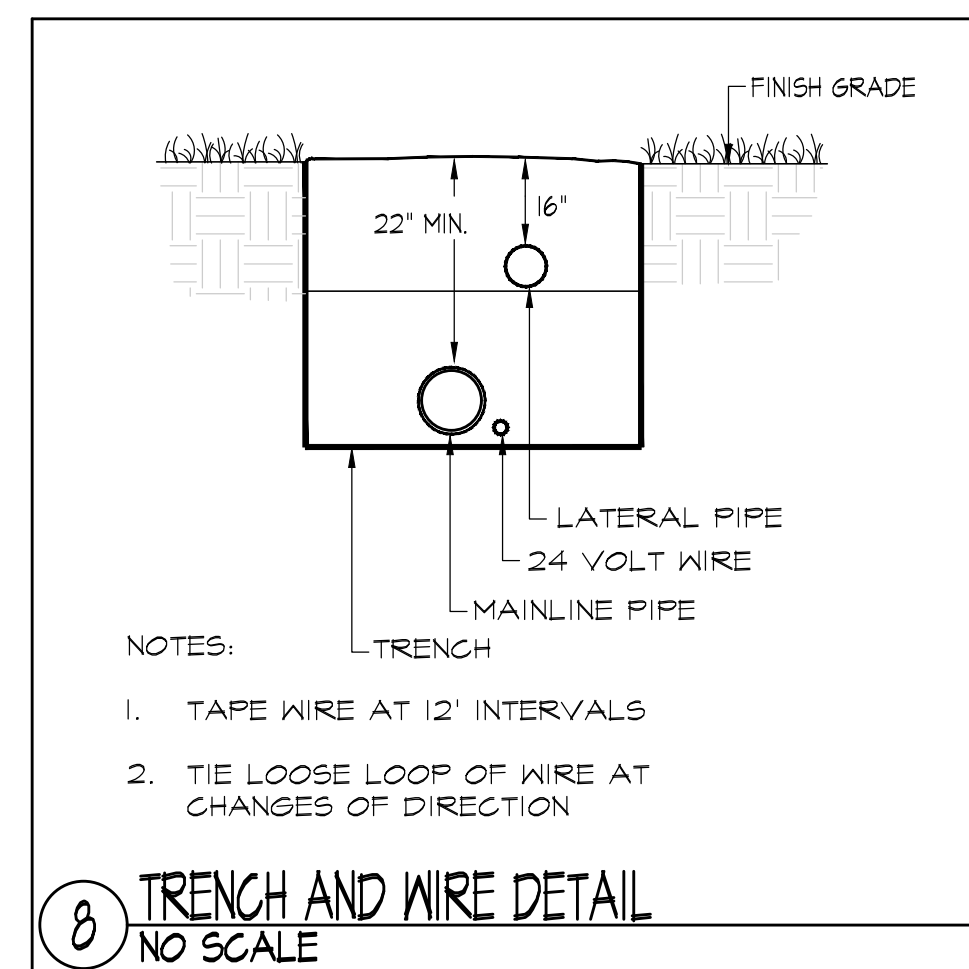
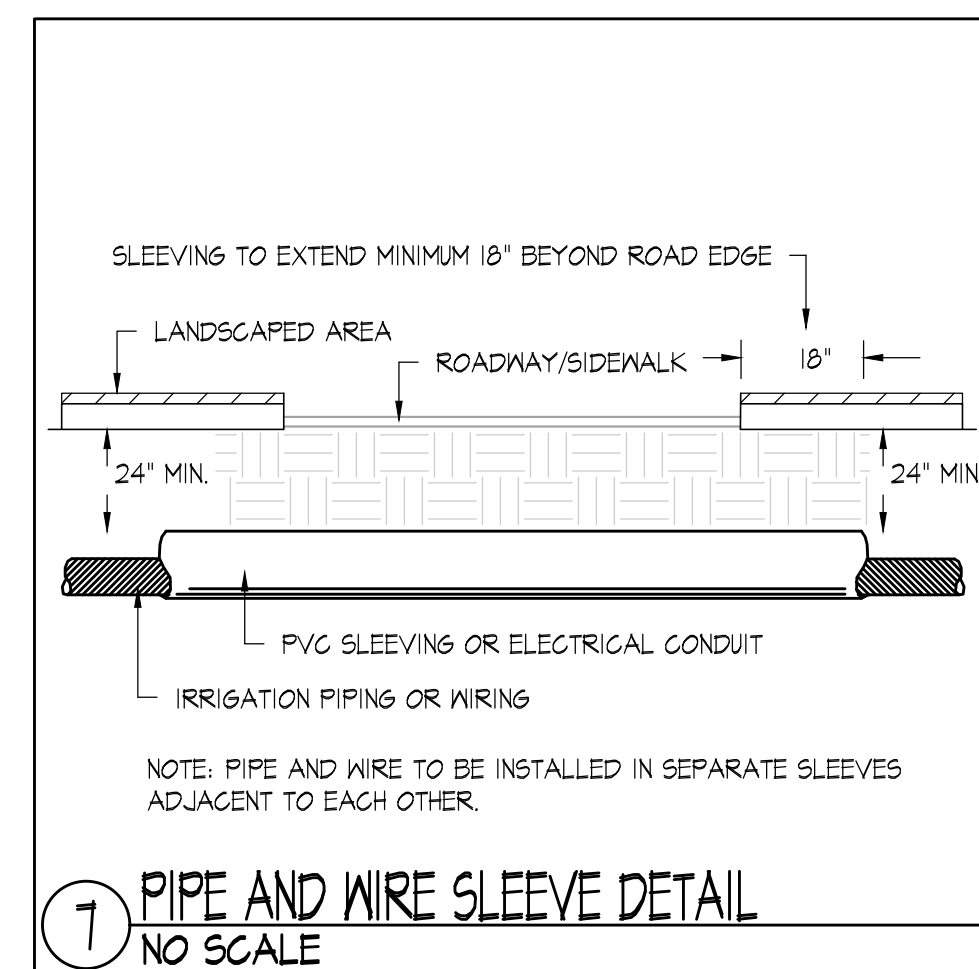
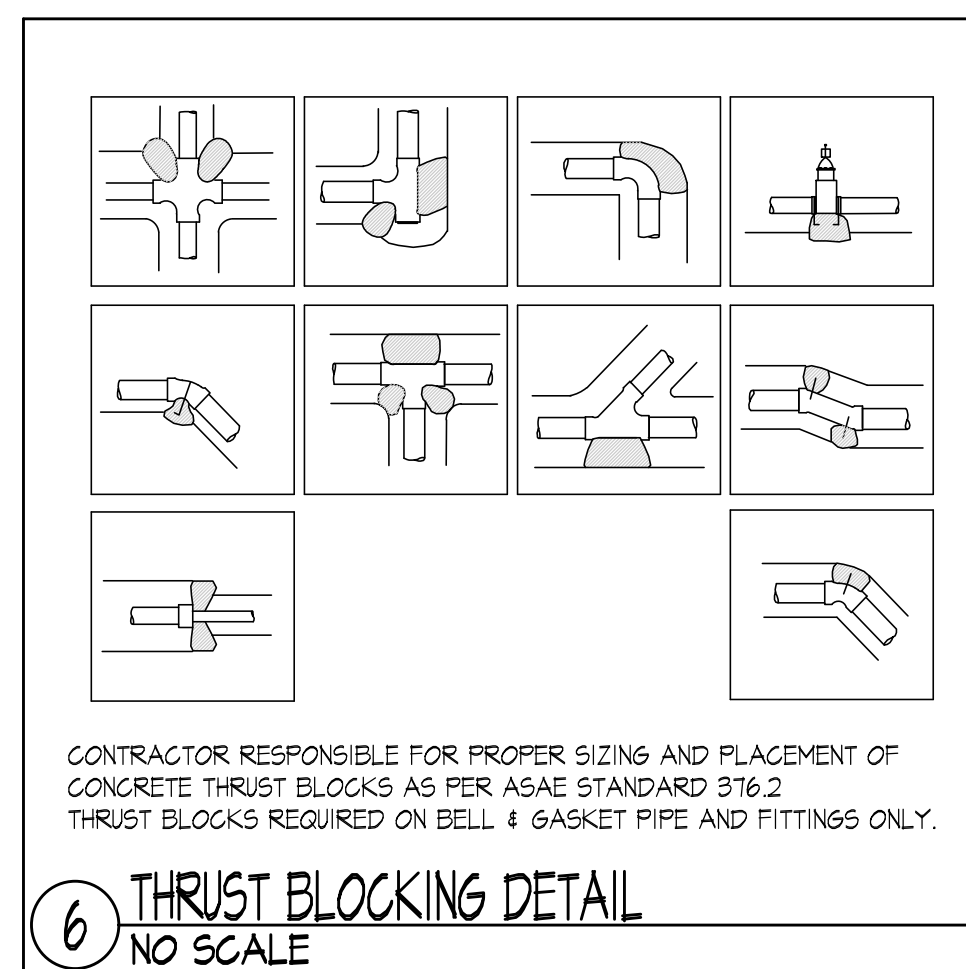
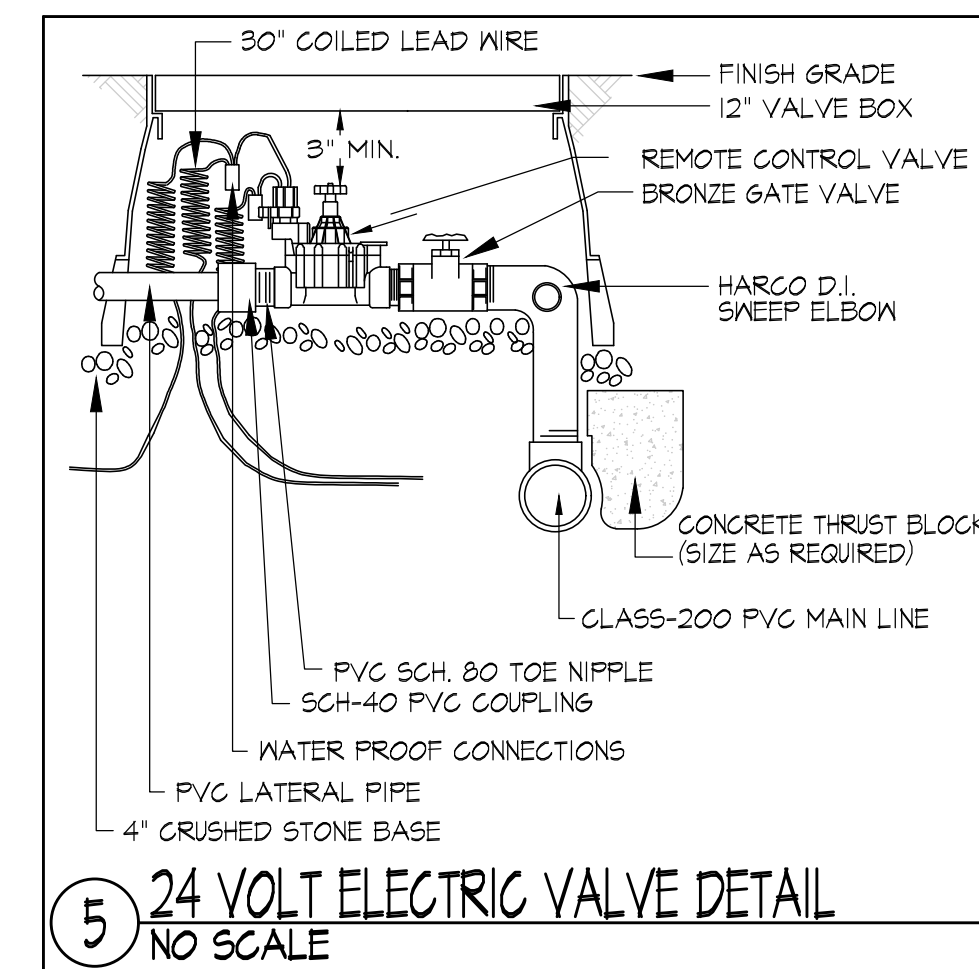
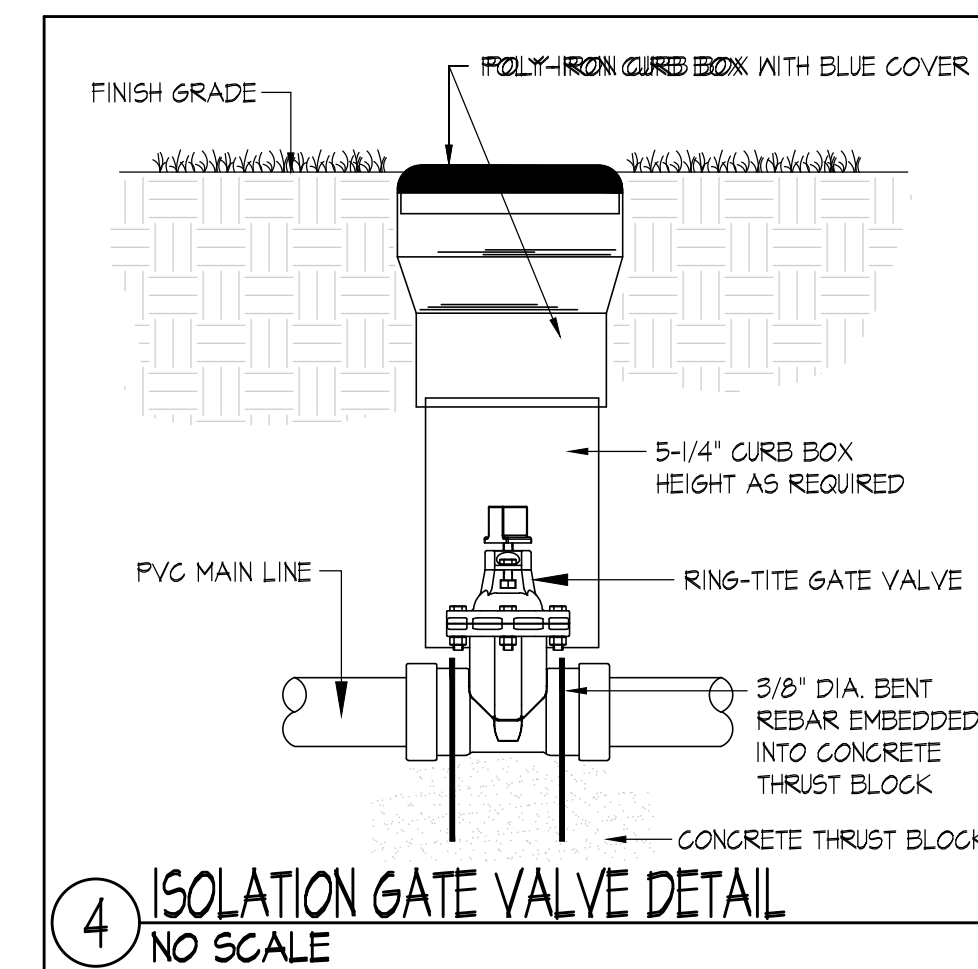
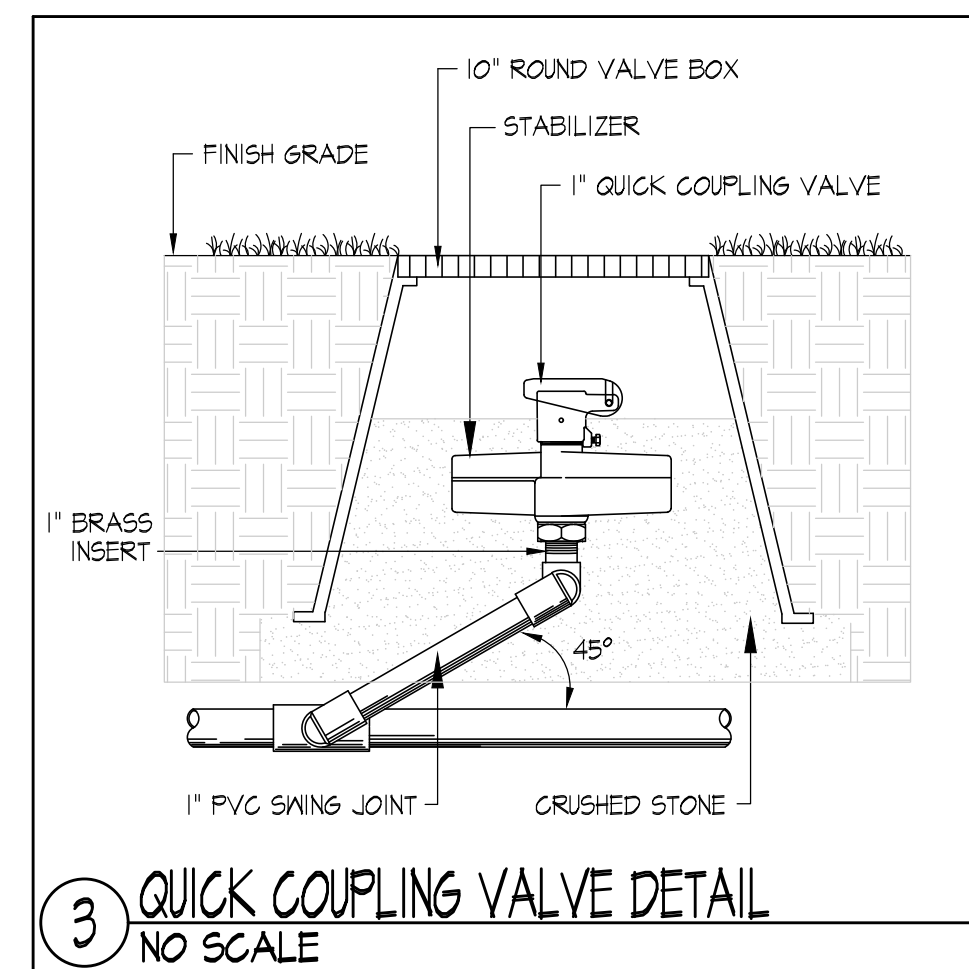
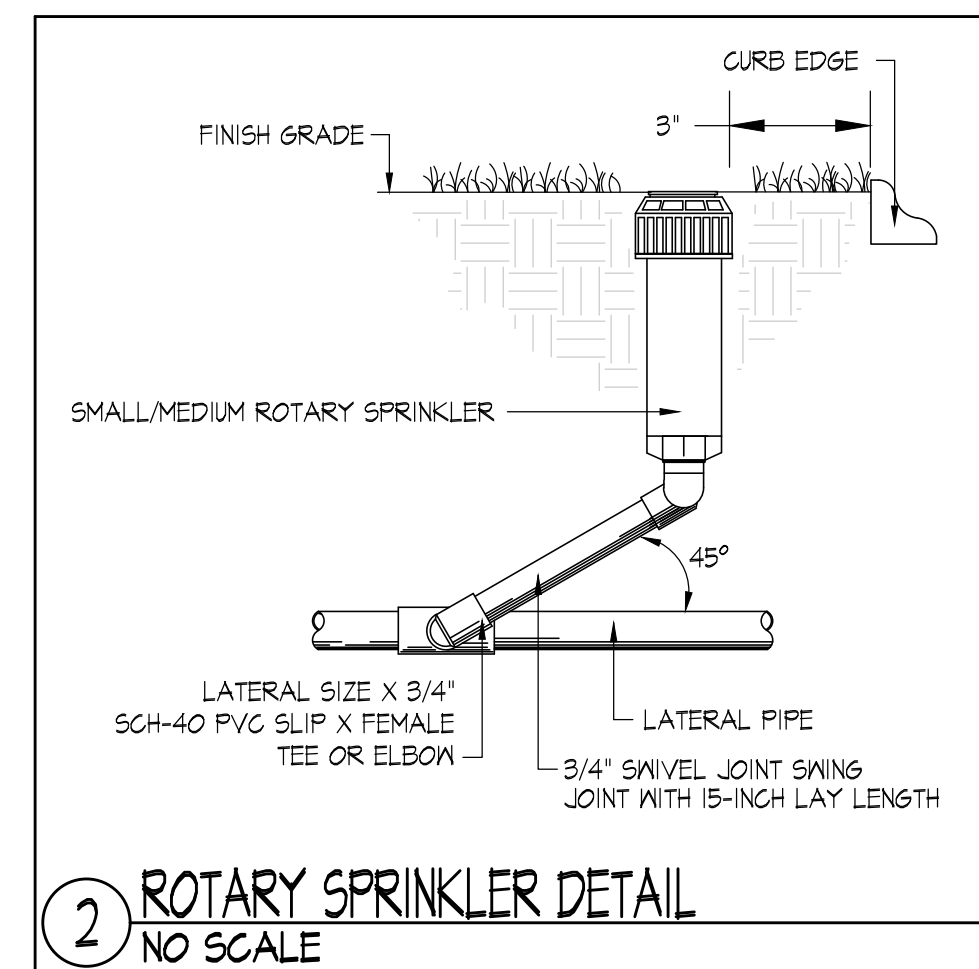
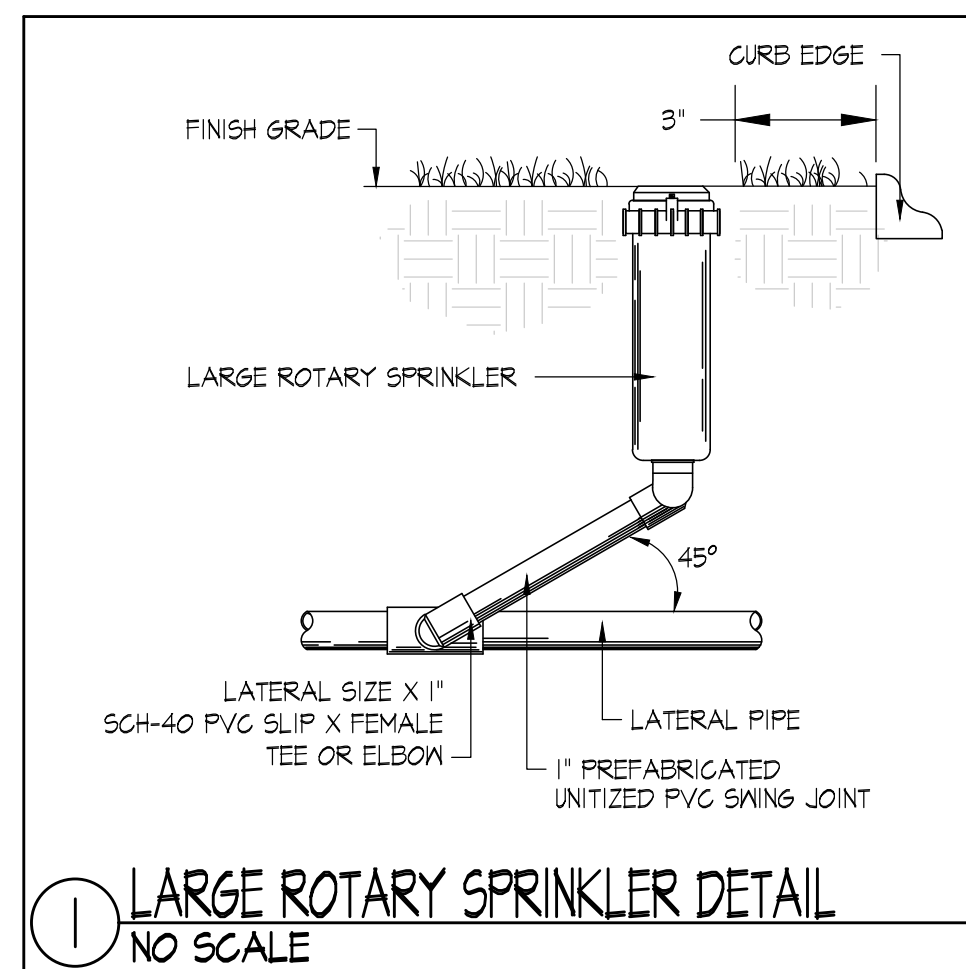
I102

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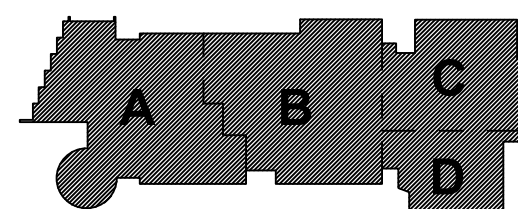
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—O 14501 S. Old Statesville Rd., Suite 104
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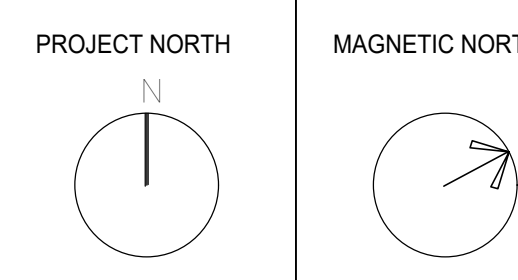
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August 28, 2023



KEY PLAN



IRRIGATION DETAILS

Scale: NO SCALE
Job No.: 20202.00
Drawn By: SOG/JLW
Date: July 20, 2023

1201

