

Northeast Metropolitan Regional Vocational High School

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



VOLUME 1 of 4

EARLY SITE PREPARATION
Issue Date: January 13th, 2023

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DISTRICT COMMUNITIES

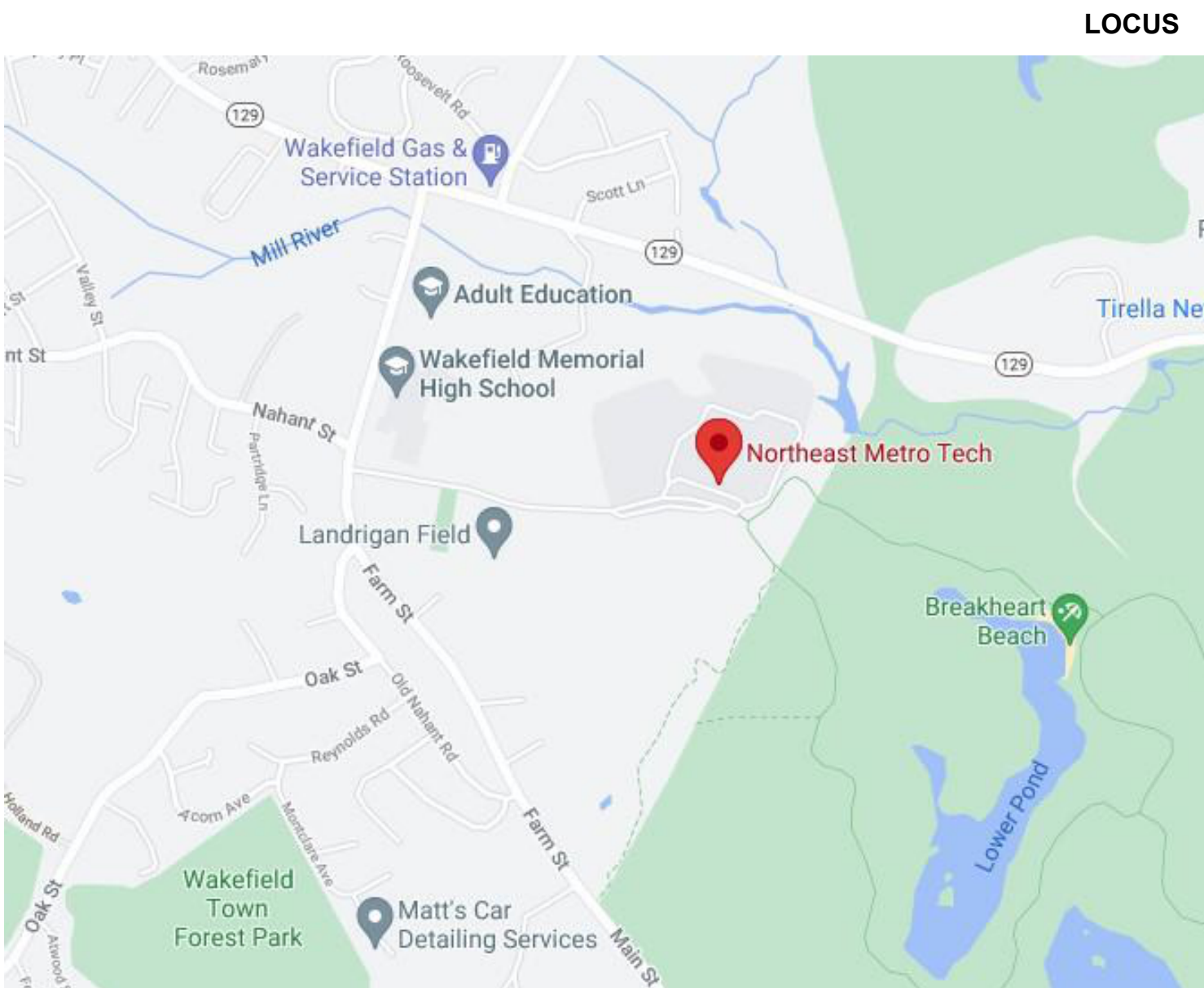
Chelsea, Malden, Melrose, North Reading, Reading, Revere, Saugus, Stoneham,
Wakefield, Winchester, Winthrop & Woburn

OWNERS PROJECT MANAGER

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

CONSTRUCTION MANAGER AT RISK

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260 Charles Street, Studio 300
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EQUIPMENT CONSULTANT
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TECHNOLOGY CONSULTANT
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Georgetown, MA 01833
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DRA

VOLUME 1 OF 4
EARLY SITE PREPARTION

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
EX-7	TOPOGRAPHIC SURVEY
EX-8	TOPOGRAPHIC SURVEY
EX-9	TOPOGRAPHIC SURVEY
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
C-200	UTILITY DEMO PLAN I
C-201	UTILITY DEMO PLAN II
C-202	UTILITY DEMO PLAN III
C-203	UTILITY DEMO PLAN IV
C-204	UTILITY DEMO PLAN V
C-205	UTILITY DEMO 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-600	DRIVEWAY LAYOUT AND GRADING PLAN I
C-601	DRIVEWAY LAYOUT AND GRADING PLAN II
C-602	DRIVEWAY LAYOUT AND GRADING PLAN II
C-603	DRIVEWAY LAYOUT AND GRADING PLAN II
C-604	DRIVEWAY PROFILE
C-605	DRIVEWAY X-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 - FOR REFERENCE ONLY
TRAFFIC - NOT INCLUDED	
NUMBER	DRAWING NAME
TR-001	CONSTRUCTION PLAN
TR-002	TRAFFIC SIGNAGE PLAN
TR-003	TRAFFIC SIGNAL DATA PLAN
TR-004	PAVEMENT MARKING AND SIGNAGE PLAN
TR-005	SIGN SUMMARY
TR-006	TRAFFIC AND SIGNAL DETAILS
TR-007	TRAFFIC AND SIGNAL DETAILS
TR-008	TRAFFIC AND SIGNAL DETAILS
TR-009	TRAFFIC AND SIGNAL DETAILS
TR-010	TRAFFIC AND SIGNAL DETAILS
TR-011	TRAFFIC AND SIGNAL DETAILS
TR-012	TRAFFIC AND SIGNAL DETAILS
TR-013	TRAFFIC AND SIGNAL DETAILS
TR-014	TEMPORARY TRAFFIC CONTROL DETAILS
LANDSCAPE	
NUMBER	DRAWING NAME
L000	OVERALL SITE PLAN - FOR REFERENCE ONLY
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 - FOR REFERENCE ONLY
L202	LAYOUT PLAN - 2 - FOR REFERENCE ONLY
L203	LAYOUT PLAN - 3 - FOR REFERENCE ONLY
L204	LAYOUT PLAN - 4 - FOR REFERENCE ONLY
L205	LAYOUT PLAN - 5 - FOR REFERENCE ONLY
L301	MATERIALS PLAN - 1 - FOR REFERENCE ONLY
L302	MATERIALS PLAN - 2 - FOR REFERENCE ONLY
L303	MATERIALS PLAN - 3 - FOR REFERENCE ONLY
L304	MATERIALS PLAN - 4 - FOR REFERENCE ONLY
L305	MATERIALS PLAN - 5 - FOR REFERENCE ONLY
L401	GRADING PLAN - 1
L402	GRADING PLAN - 2
L403	GRADING PLAN - 3
L404	GRADING PLAN - 4
L405	GRADING PLAN - 5
L501	PLANTING PLAN - 1 - FOR REFERENCE ONLY
L502	PLANTING PLAN - 2 - FOR REFERENCE ONLY
L503	PLANTING PLAN - 3 - FOR REFERENCE ONLY
L504	PLANTING PLAN - 4 - FOR REFERENCE ONLY
L505	PLANTING PLAN - 5 - FOR REFERENCE ONLY
L601	LANDSCAPE DETAILS - 1 - FOR REFERENCE ONLY
L602	LANDSCAPE DETAILS - 2 - FOR REFERENCE ONLY
L603	LANDSCAPE DETAILS - 3 - FOR REFERENCE ONLY
L604	LANDSCAPE DETAILS - 4 - FOR REFERENCE ONLY
L605	LANDSCAPE DETAILS - 5 - FOR REFERENCE ONLY
L606	LANDSCAPE DETAILS - 6 - FOR REFERENCE ONLY
L701	ADD ALTERNATES - FOR REFERENCE ONLY

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FOR REFERENCE ONLY

STRUCTURAL - FOR REFERENCE ONLY NUMBER	DRAWING NAME
S0-0-1	GENERAL NOTES
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
S1-1-0C	LOWER LEVEL FOUNDATION PLAN - AREA C
S1-1-0MD	LOWER LEVEL FOUNDATION PLAN - AREA D
S1-1-0MC	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 PLAN - AREA A
S1-1-1MB	MEZZANINE FLOOR FRAMING PLAN - 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	ROOF DUNNAGE FRAMING PARTS
S2-0-1	SECTIONS
S2-0-2	SECTIONS
S2-0-3	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
S4-0-1	BRACE FRAME ELEVATIONS - AREA A
S4-0-2	BRACE FRAME ELEVATIONS - AREA A + B
S4-0-3	BRACE FRAME ELEVATIONS - AREA B
S4-0-4	BRACE FRAME ELEVATIONS - AREA C + D
S4-0-5	SHEAR WALLS
S4-0-6	SHEAR WALLS
S4-0-7	SHEAR WALLS
S4-0-8	BRACED FRAME DETAILS
S5-0-1	JOIST LOADING DIAGRAMS
S5-0-2	JOIST LOADING DIAGRAMS
SC-1-1	CONCESSION BUILDING PLANS
SC-2-1	CONCESSION BUILDING SECTIONS
SL-1-1	LOCKER BUILDING PLANS
SL-2-1	LOCKER ROOM BUILDING SECTIONS
SL-3-1	LOCKER ROOM BUILDING SHEAR WALLS
SM-1-1	MAINTENANCE BUILDING PLANS

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FOR REFERENCE ONLY

ARCHITECTURAL - FOR REFERENCE ONLY NUMBER	DRAWING NAME
A0-1-1	COVER SHEET
(Vol.1)	
A0-1-0	PARTITION TYPES
A1-0-1	OVERALL LOWER LEVEL & FIRST FLOOR PLANS
A1-0-2	OVERALL SECOND FLOOR PLAN
A1-0-3	OVERALL THIRD FLOOR PLAN
A1-0-4	OVERALL FOURTH FLOOR PLAN
A1-0-5	OVERALL ROOF PLAN
A1-0-6	EXTERIOR RENDERINGS
A1-0-8	LOWER & FIRST FLOOR NET AREA PLANS
A1-0-9	SECOND & THIRD FLOOR NET AREA PLANS
A1-0-10	FOURTH FLOOR & SATELLITE LOCKERS NET AREA PLANS
A1-0-11	LOWER LEVEL BUILDING LAYOUT & EDGE OF SLAB PLAN
A1-0-12	SECOND & THIRD FLOOR EDGE OF SLAB PLAN
A1-0-13	FOURTH FLOOR EDGE OF SLAB PLAN
A1-0-14	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
A2-1-4	BUILDING ELEVATIONS
A2-1-5	BUILDING ELEVATIONS
A2-1-6	BUILDING ELEVATIONS
A2-1-7	BUILDING ELEVATIONS
A2-1-8	BUILDING ELEVATIONS
A2-2-1	INTERIOR ELEVATIONS
A2-2-2	INTERIOR ELEVATIONS
A2-2-3	INTERIOR ELEVATIONS
A2-2-4	INTERIOR ELEVATIONS
A2-2-5	INTERIOR ELEVATIONS
A2-2-6	INTERIOR ELEVATIONS
A2-2-7	INTERIOR ELEVATIONS
A2-2-8	INTERIOR ELEVATIONS
A2-2-9	INTERIOR ELEVATIONS
A2-2-10	INTERIOR ELEVATIONS
A2-2-11	INTERIOR ELEVATIONS
A2-2-12	INTERIOR ELEVATIONS
A2-2-13	INTERIOR ELEVATIONS
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
A3-1-3	BUILDING SECTIONS
A3-1-4	BUILDING SECTIONS
A3-1-5	BUILDING SECTIONS
A3-1-6	BUILDING SECTIONS
A3-2-1	WALL SECTIONS
A3-2-2	WALL SECTIONS
A3-2-3	WALL SECTIONS
A3-2-4	WALL SECTIONS
A3-2-5	WALL SECTIONS
A3-2-6	WALL SECTIONS
A3-2-7	WALL SECTIONS
A3-2-8	WALL SECTIONS
A3-2-9	WALL SECTIONS
A3-2-10	WALL SECTIONS
A3-2-11	WALL SECTIONS
A3-2-12	WALL SECTIONS
A3-2-13	WALL SECTIONS
A3-2-14	WALL SECTIONS
A3-2-15	WALL SECTIONS
A3-2-16	WALL SECTIONS
A3-2-17	WALL SECTIONS
A3-2-18	WALL SECTIONS
A3-2-19	WALL SECTIONS
A3-3-1	VERTICAL DETAILS
A3-3-2	VERTICAL DETAILS
A4-1-1	TOILET AND LOCKER ROOM PLANS
A4-1-2	TOILET AND LOCKER ROOM PLANS
A4-1-3	TOILET AND LOCKER ROOM PLANS
A4-1-4	TOILET AND LOCKER ROOM PLANS
A4-1-5	TOILET AND LOCKER ROOM ELEVATIONS
A4-1-6	TOILET AND LOCKER ROOM ELEVATIONS
A4-1-7	LOCKER ROOM AND TOILET ELEVATIONS
A4-1-8	LOCKER ROOM AND TOILET ELEVATIONS
A4-1-9	LOCKER ROOM AND TOILET ELEVATIONS
A5-1-1	EXTERIOR PLAN DETAILS
A5-1-2	EXTERIOR PLAN DETAILS
A5-3-1	ROUGH DETAILS
A6-2-1	DOOR SCHEDULE
A6-2-2	DOOR SCHEDULE
A6-2-3	DOOR SCHEDULE, FRAME & BORROWED LIGHT TYPES
A6-3-1	WINDOW, TRANSLUCENT WALL PANEL AND LOUVER TYPES
A6-3-2	CURTAIN WALL TYPES
A6-3-3	CURTAIN WALL TYPES
A6-3-4	CURTAIN WALL TYPES
A6-3-5	INTERIOR CURTAIN WALL TYPES
A6-3-6	STOREFRONT AND INTERIOR STOREFRONT TYPES
A6-3-7	INTERIOR STOREFRONT AND BORROWED LIGHT TYPES
A6-3-8	WINDOW & TRANSLUCENT WALL PANEL DETAILS
A6-3-9	CURTAIN WALL DETAILS
A7-1-1	STAIR PLANS
A7-1-2	STAIR SECTIONS
A7-1-3	STAIR PLANS & SECTIONS
A7-1-4	STAIR PLANS
A7-1-5	STAIR SECTIONS
A7-1-6	STAIR PLANS & SECTIONS
A7-1-7	STAIR PLANS & SECTIONS
A7-1-8	ELEVATOR PLANS & SECTIONS
A7-1-9	STAIR DETAILS - ELEVATOR DETAILS, SPECIALTY DETAILS
A7-1-10	STAIR DETAILS
A7-1-11	STAIR DETAILS

ARCHITECTURAL - FOR REFERENCE ONLY NUMBER	DRAWING NAME
A8-1-0C	LOWER LEVEL REFLECTED CEILING PLAN - AREA C
A8-1-0D	LOWER LEVEL REFLECTED CEILING PLAN - AREA D
A8-1-0MC	LOWER LEVEL MEZZANINE REFLECTED CEILING PLAN - AREA C
A8-1-0MD	LOWER LEVEL MEZZANINE REFLECTED CEILING PLAN - AREA D
A8-1-1A	FIRST FLOOR REFLECTED CEILING PLAN - AREA A
A8-1-1B	FIRST FLOOR REFLECTED CEILING PLAN - AREA B
A8-1-1C	FIRST FLOOR REFLECTED CEILING PLAN - AREA C
A8-1-1D	FIRST FLOOR REFLECTED CEILING PLAN - AREA D
A8-1-1MA	FIRST FLOOR MEZZANINE REFLECTED CEILING PLAN - AREA A
A8-1-1MB	FIRST FLOOR MEZZANINE REFLECTED CEILING PLAN - AREA B
A8-1-2A	SECOND FLOOR REFLECTED CEILING PLAN - AREA A
A8-1-2B	SECOND FLOOR REFLECTED CEILING PLAN - AREA B
A8-1-2C	SECOND FLOOR REFLECTED CEILING PLAN - AREA C
A8-1-2D	SECOND FLOOR REFLECTED CEILING PLAN - AREA D
A8-1-3A	THIRD FLOOR REFLECTED CEILING PLAN - AREA A
A8-1-3B	THIRD FLOOR REFLECTED CEILING PLAN - AREA B
A8-1-3C	THIRD FLOOR REFLECTED CEILING PLAN - AREA C
A8-1-3D	THIRD FLOOR REFLECTED CEILING PLAN - AREA D
A8-1-4A	FOURTH FLOOR REFLECTED CEILING PLAN - AREA A
A8-1-4B	FOURTH FLOOR REFLECTED CEILING PLAN - AREA B
A8-1-4C	FOURTH FLOOR REFLECTED CEILING PLAN - AREA C
A8-1-4D	FOURTH FLOOR REFLECTED CEILING PLAN - AREA D
A9-1-1	MISCELLANEOUS DETAILS
A9-1-2	MISCELLANEOUS DETAILS
AC-1-1	TOILET AND CONCESSION BUILDING PLANS & ELEVATIONS
AC-1-2	WALL SECTIONS, PLANS & SCHEDULES
AC-1-3	ENLARGED DETAILS
AL-1-1	LOCKER BUILDING PLANS AND ELEVATIONS
AL-1-2	LOCKER BUILDING SECTIONS
AL-1-3	LOCKER BUILDING STAIR & ELEVATOR DRAWINGS
AM-1-1	TOILET AND LOCKER ROOM PLANS
AM-1-2	MAINTENANCE BUILDING DRAWINGS
AM-1-2	MAINTENANCE BUILDING TOILET ELEVATIONS
ARCHITECTURAL FINISHES - FOR REFERENCE ONLY	
NUMBER	DRAWING NAME
AF1-1-0C	LOWER LEVEL FLOOR FINISHES PLAN - AREA C
AF1-1-0D	LOWER LEVEL FLOOR FINISHES PLAN - AREA D
AF1-1-1A	FIRST LEVEL FLOOR FINISHES PLAN - AREA A
AF1-1-1B	FIRST LEVEL FLOOR FINISHES PLAN - AREA B
AF1-1-1C	FIRST LEVEL FLOOR FINISHES PLAN - AREA C
AF1-1-1D	FIRST LEVEL FLOOR FINISHES PLAN - AREA D
AF1-1-2A	SECOND LEVEL FLOOR FINISHES PLAN - AREA A
AF1-1-2B	SECOND LEVEL FLOOR FINISHES PLAN - AREA B
AF1-1-2C	SECOND LEVEL FLOOR FINISHES PLAN - AREA C
AF1-1-2D	SECOND LEVEL FLOOR FINISHES PLAN - AREA D
AF1-1-3A	THIRD LEVEL FLOOR FINISHES PLAN - AREA A
AF1-1-3B	THIRD LEVEL FLOOR FINISHES PLAN - AREA B
AF1-1-3C	THIRD LEVEL FLOOR FINISHES PLAN - AREA C
AF1-1-3D	THIRD LEVEL FLOOR FINISHES PLAN - AREA D
AF1-1-4A	FOURTH LEVEL FLOOR FINISHES PLAN - AREA A
AF1-1-4B	FOURTH LEVEL FLOOR FINISHES PLAN - AREA B
AF1-1-4C	FOURTH LEVEL FLOOR FINISHES PLAN - AREA C
AF1-1-4D	FOURTH LEVEL FLOOR FINISHES PLAN - AREA D
AF1-2-0C	LOWER LEVEL WALL FINISHES PLAN - AREA C
AF1-2-0D	LOWER LEVEL WALL FINISHES PLAN - AREA D
AF1-2-1A	FIRST LEVEL WALL FINISHES PLAN - AREA A
AF1-2-1B	FIRST LEVEL WALL FINISHES PLAN - AREA B
AF1-2-1C	FIRST LEVEL WALL FINISHES PLAN - AREA C
AF1-2-1D	FIRST LEVEL WALL FINISHES PLAN - AREA D
AF1-2-2A	SECOND LEVEL WALL FINISHES PLAN - AREA A
AF1-2-2B	SECOND LEVEL WALL FINISHES PLAN - AREA B
AF1-2-2C	SECOND LEVEL WALL FINISHES PLAN - AREA C
AF1-2-2D	SECOND LEVEL WALL FINISHES PLAN - AREA D
AF1-2-3A	THIRD LEVEL WALL FINISHES PLAN - AREA A
AF1-2-3B	THIRD LEVEL WALL FINISHES PLAN - AREA B
AF1-2-3C	THIRD LEVEL WALL FINISHES PLAN - AREA C
AF1-2-3D	THIRD LEVEL WALL FINISHES PLAN - AREA D
AF1-2-4A	FOURTH LEVEL WALL FINISHES PLAN - AREA A
AF1-2-4B	FOURTH LEVEL WALL FINISHES PLAN - AREA B
AF1-2-4C	FOURTH LEVEL WALL FINISHES PLAN - AREA C
AF1-2-4D	FOURTH LEVEL WALL FINISHES PLAN - AREA D
AF1-3-1	TRANSITION DETAILS
AF1-3-2	TRANSITION DETAILS
AF1-4-1	BASE DETAILS
AF1-4-2	BASE DETAILS
AF1-4-3	BASE DETAILS
AF1-5-1	DECORATIVE FABRIC METAL DETAILS
AF1-6-1	PHENOLIC RESIN PANEL DETAILS
AF1-7-1	INTERIOR WALL PANEL DETAILS
AF1-8-1	CERAMIC TILES PATTERN
EQUIPMENT - FOR REFERENCE ONLY	
NUMBER	DRAWING NAME
E00-00	NOTES, SCHEDULES, AND ABBREVIATIONS
E01-1-0C	FF&E/CASEWORK LOWER LEVEL PLAN - AREA C
E01-1-0D	FF&E/CASEWORK LOWER LEVEL PLAN - AREA D
E01-1-1A	FF&E/CASEWORK FIRST FLOOR PLAN - AREA A
E01-1-1B	FF&E/CASEWORK FIRST FLOOR PLAN - AREA B
E01-1-1C	FF&E/CASEWORK FIRST FLOOR PLAN - AREA C
E01-1-1D	FF&E/CASEWORK FIRST FLOOR PLAN - AREA D
E01-1-2A	FF&E/CASEWORK SECOND FLOOR PLAN - AREA A
E01-1-2B	FF&E/CASEWORK SECOND FLOOR PLAN - AREA B
E01-1-2C	FF&E/CASEWORK SECOND FLOOR PLAN - AREA C
E01-1-2D	FF&E/CASEWORK SECOND FLOOR PLAN - AREA D
E01-1-3A	FF&E/CASEWORK THIRD FLOOR PLAN - AREA A
E01-1-3B	FF&E/CASEWORK THIRD FLOOR PLAN - AREA B
E01-1-3C	FF&E/CASEWORK THIRD FLOOR PLAN - AREA C
E01-1-3D	FF&E/CASEWORK THIRD FLOOR PLAN - AREA D
E01-1-4A	FF&E/CASEWORK FOURTH FLOOR PLAN - AREA A
E01-1-4B	FF&E/CASEWORK FOURTH FLOOR PLAN - AREA B
E02-1	METAL FABRICATION CASEWORK & EQUIPMENT
E02-2	AUTO COLLISION CASEWORK & EQUIPMENT
E02-3	AUTO TECHNOLOGY CASEWORK & EQUIPMENT
E02-4	HVAC TECH CASEWORK & EQUIPMENT
E02-5	CARPENTRY CASEWORK & EQUIPMENT
E02-6	PLUMBING / PIPING CASEWORK & EQUIPMENT
E02-7	ELECTRICAL TECHNOLOGY CASEWORK & EQUIPMENT
E02-8	DENTAL ASSISTING CASEWORK & EQUIPMENT
E02-9	ROBOTICS CASEWORK & EQUIPMENT
E02-10	DESIGN/CONSTRUCTION CASEWORK & EQUIPMENT
E02-11	DRAFTING / DESIGN CASEWORK & EQUIPMENT
E02-12	COSMETOLOGY CASEWORK & EQUIPMENT
E02-13	MEDICAL ASSIST CASEWORK & EQUIPMENT
E02-14	HEALTH ASSIST CASEWORK & EQUIPMENT
E02-15	BIO TECH CASEWORK & EQUIPMENT
E03-1	CASEWORK ELEVATIONS
E03-2	CASEWORK ELEVATIONS
E03-2	CASEWORK ELEVATIONS
THEATER EQUIPMENT - FOR REFERENCE ONLY	
NUMBER	DRAWING NAME
TE-1	THEATRE ELECTRICS POWER - DATA RISERS
TR-1	THEATRE RIGGING PLAN
TR-2	THEATRE RIGGING SECTION
TR-3	HOUSE AND WINDOW TRAVELER CURTAIN RIGGING
FOOD SERVICE - FOR REFERENCE ONLY	
NUMBER	DRAWING NAME
FS1-1-1A	FOODSERVICE EQUIPMENT OVERALL PLAN
FS1-2-0	MAIN KITCHEN FOODSERVICE EQUIPMENT SCHEDULE
FS1-2-1	MAIN KITCHEN FOODSERVICE EQUIPMENT PLAN
FS1-3-0	CULINARY KITCHEN FOODSERVICE EQUIPMENT SCHEDULE
FS1-3-1	CULINARY KITCHEN FOODSERVICE EQUIPMENT PLAN
FS2-2-1	MAIN KITCHEN FOODSERVICE EQUIPMENT ROUGH-IN PLAN
FS3-2-1	MAIN KITCHEN FOODSERVICE EQUIPMENT VENTILATION ROUGH-IN PLAN
FS3-3-1	CULINARY KITCHEN FOODSERVICE EQUIPMENT VENTILATION ROUGH-IN PLAN
FS4-2-1	MAIN KITCHEN FOODSERVICE EQUIPMENT BUILDING CONDITIONS PLAN
FS4-3-1	CULINARY KITCHEN FOODSERVICE EQUIPMENT BUILDING CONDITIONS PLAN

GEOTECHNICAL - FOR REFERENCE ONLY NUMBER	DRAWING NAME
GT-0-1	GEOTECHNICAL PLAN EAST
GT-0-2	GEOTECHNICAL PLAN WEST
PLUMBING - FOR REFERENCE ONLY	
NUMBER	DRAWING NAME
P0-0-1	PLUMBING LEGENDS, ABBREVIATIONS, AND GENERAL NOTES
P1-0-0A	PLUMBING FIRST FLOOR PLAN - AREA A BELOW SLAB
P1-0-0B	PLUMBING FIRST FLOOR PLAN - AREA B BELOW SLAB
P1-0-0C	PLUMBING FIRST FLOOR PLAN - AREA C BELOW SLAB



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100 HEMLOCK ROAD, WAKEFIELD, MA

DRUMNEY ROSANE ANDERSON, INC.

2235 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02451

ADDED WETLAND NOTES	7/7/2021
ADDED WETLAND NOTES	6/15/2021
TEST PITS & REVISED WETLAND	5/27/2021
ADDED TEST PITS AND BORINGS	2/3/2021
COMMENTS	DATE
REVISIONS	

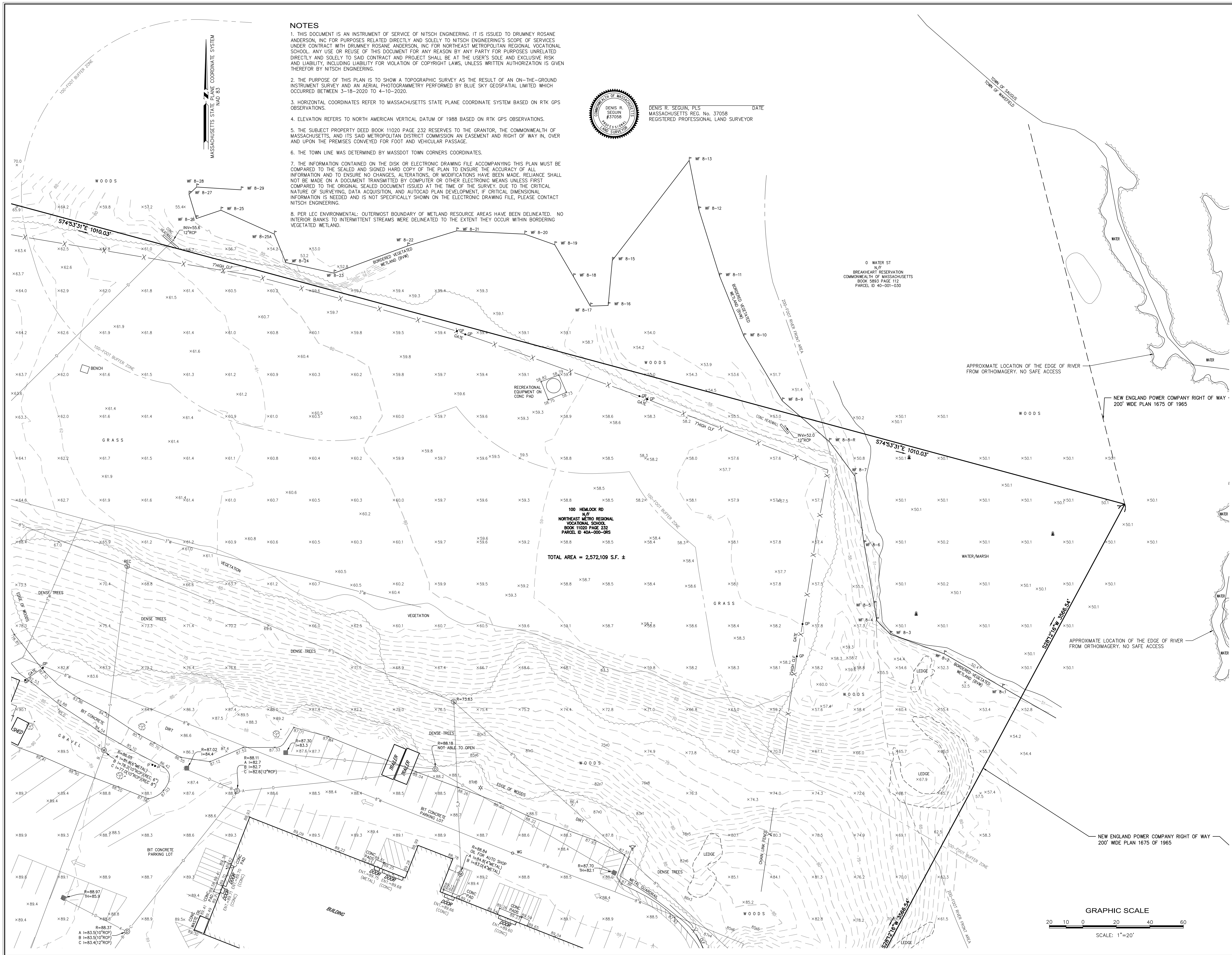
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DES./COMP:	DRS
FIELD BOOK:	765/766
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EX-1

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335 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02455

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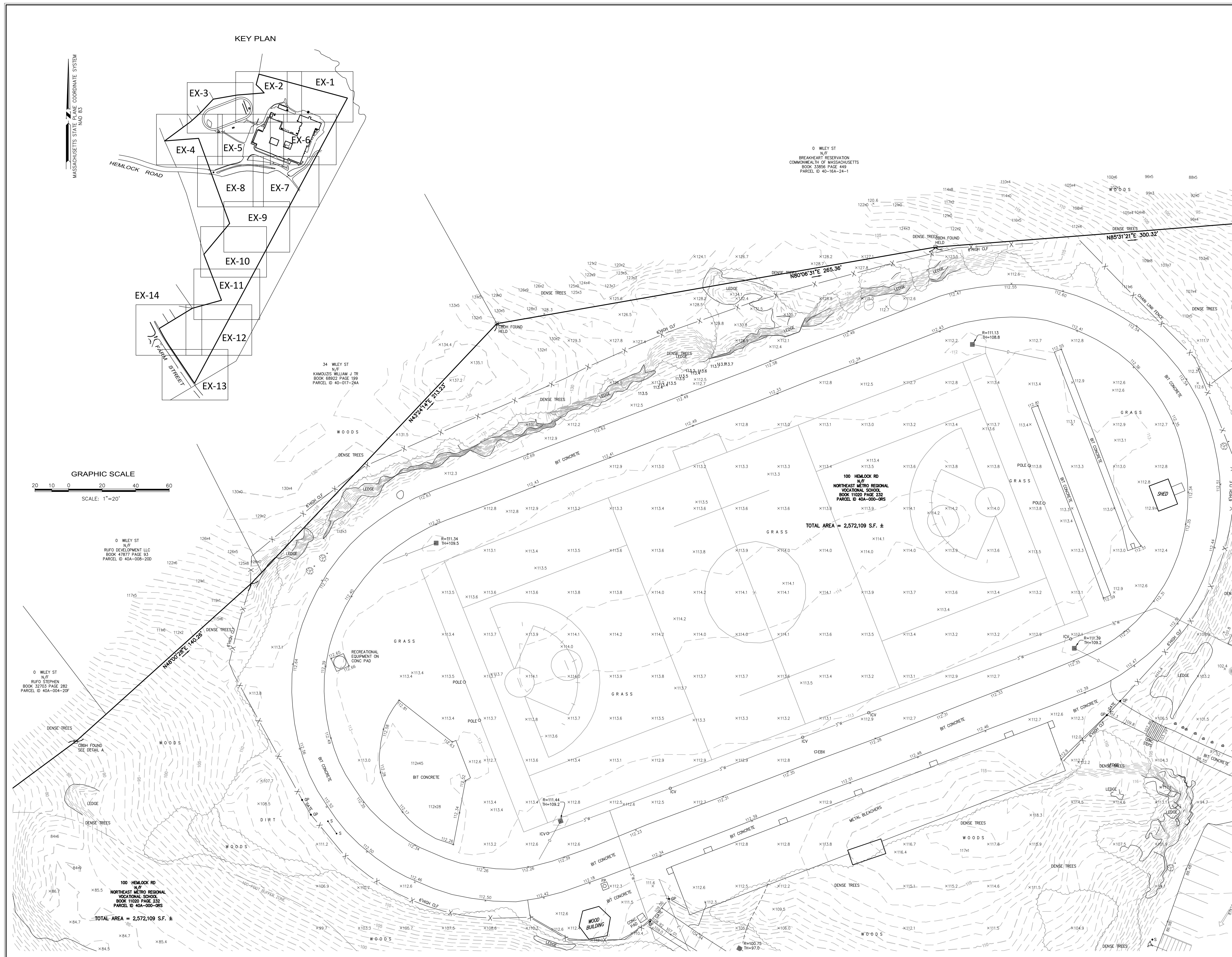
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL
100 HEMLOCK ROAD, WAKEFIELD, MA

DRUMNEY ROSANE ANDERSON, INC
35 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 0245

D	ADDED WETLAND NOTES	7/7/2021
C	ADDED WETLAND NOTES	6/15/2021
B	TEST PITS & REVISED WETLAND	5/27/2021
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UTILITY INFORMATION STATEMENT

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.

2. THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES HAVE BEEN DETERMINED FROM SAID INFORMATION, AND ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.

3. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.

4. THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS FAR AS OUR COMPILATION OF THIS INFORMATION.

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.

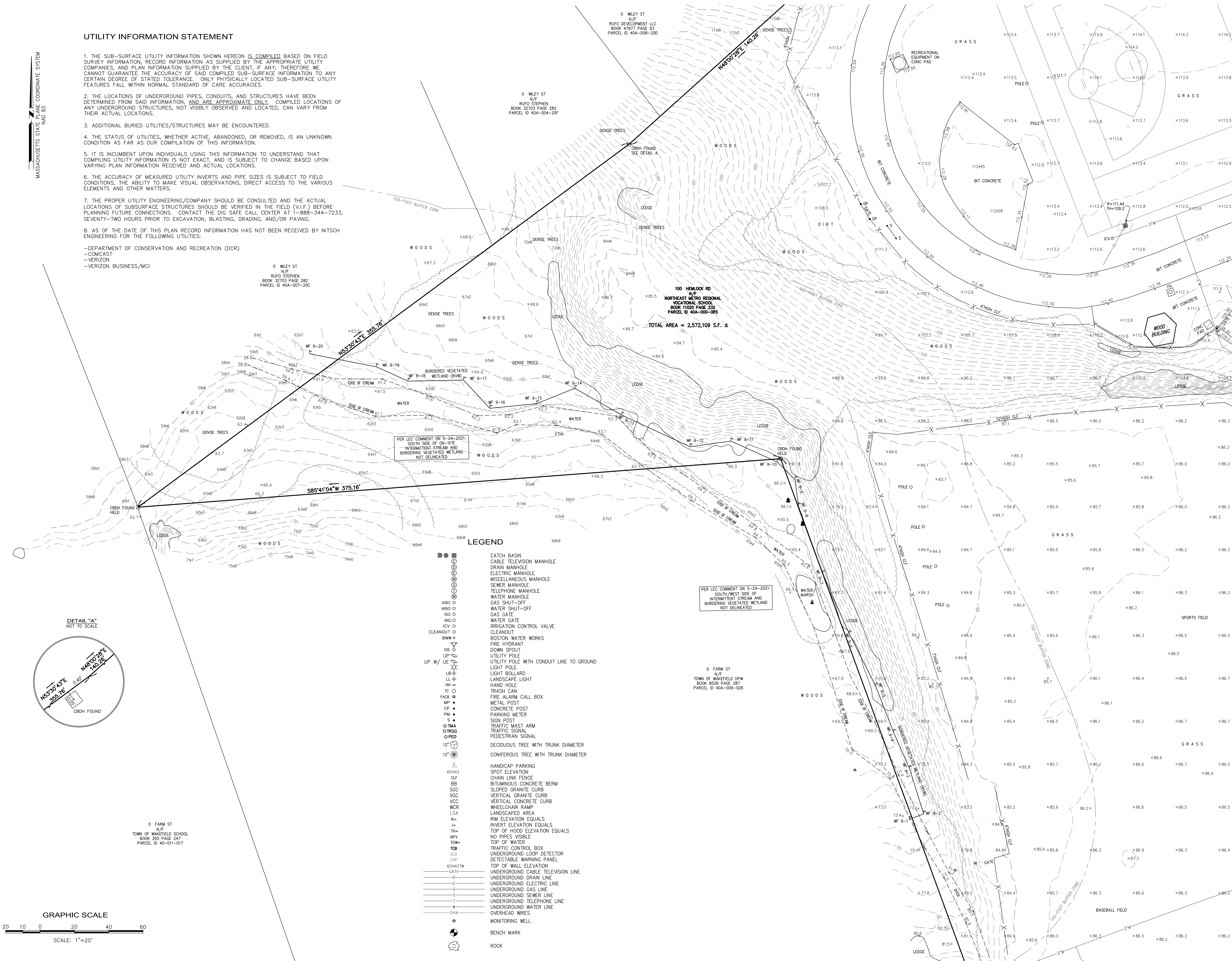
6. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER MATTERS.

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

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM
NAD 83



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TOPOGRAPHIC SURVEY
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL
100 HEMLOCK ROAD, WAKEFIELD, MA

PREPARED FOR:

DRUMNEY ROSANE ANDERSON, INC
235 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02451

D	ADDED WETLAND NOTES	7/2020
C	ADDED WETLAND NOTES	8/19/2021
B	TEST PITS & REVISED WETLAND	5/2/2022
A	ADDED TEST PITS AND BORINGS	2/20/2023

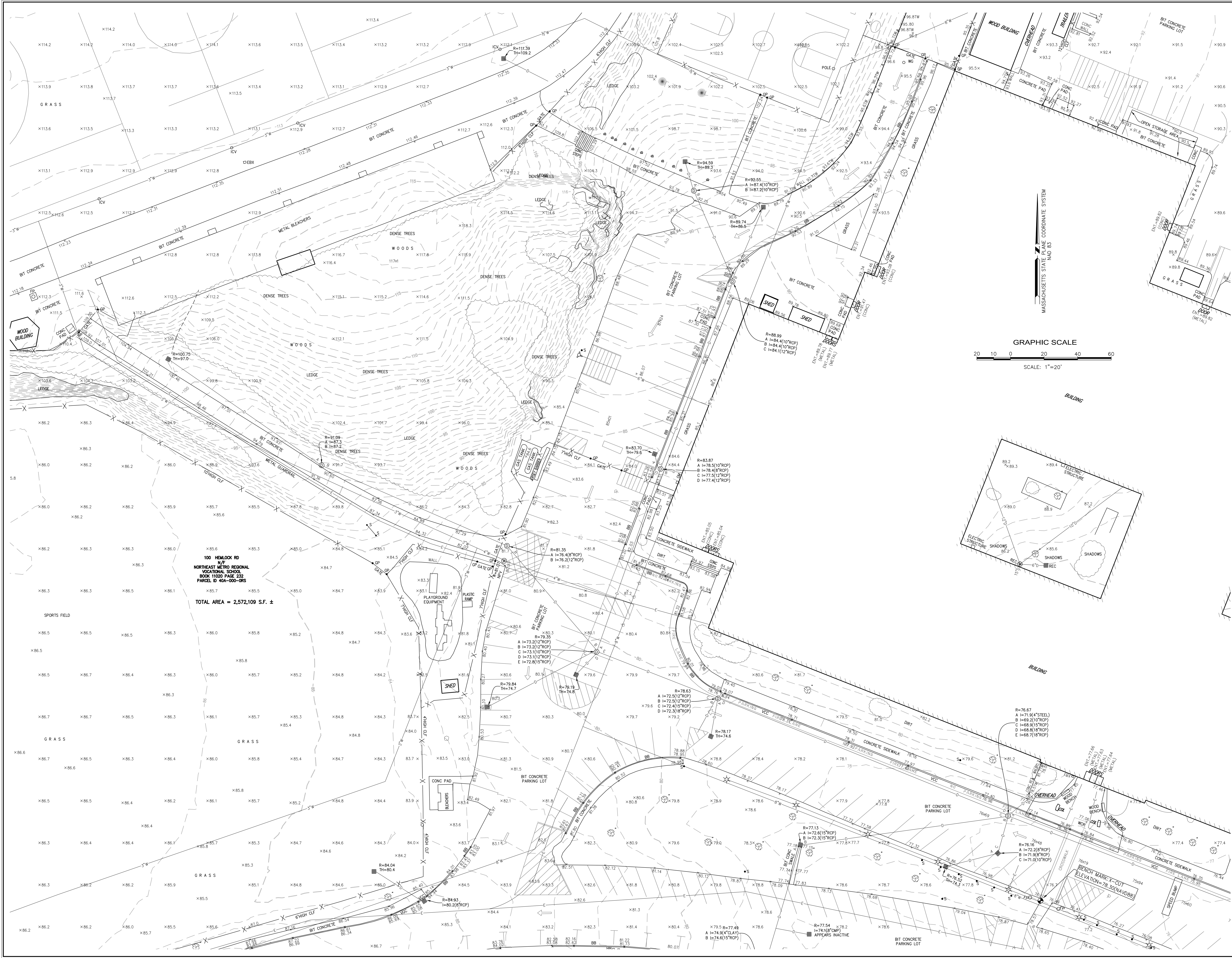
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PROJECT # 13872.1		
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DATE: 6/3/2020		
DES./COMP: DRS		
FIELD BOOK: 765/766		
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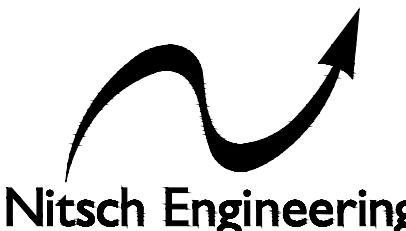
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EX-4

OF 14

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NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL
100 HEMLOCK ROAD, WAKEFIELD, MA

PREPARED FOR:
DRUMNEY ROSANE ANDERSON, INC
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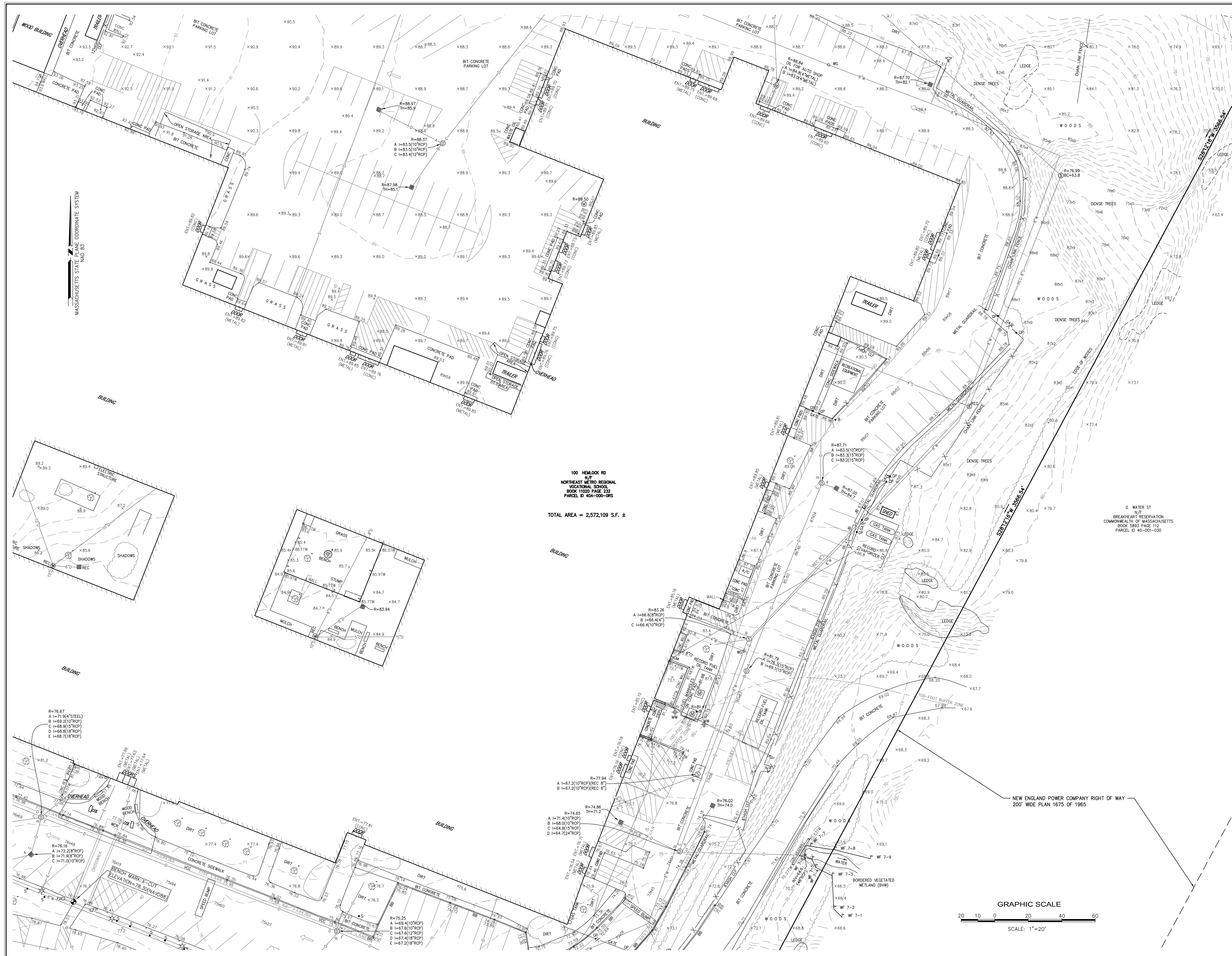
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C	ADDED WETLAND NOTES	6/10/20
B	TEST PITS & REVISED WETLAND	5/20/20
A	ADDED TEST PITS AND BORINGS	2/20/20

PROJECT #	FILE:
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SCALE:	1"=20'
DATE:	6/3/2020
DES./COMP:	DRS
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EX-5

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PREPARED FOR:
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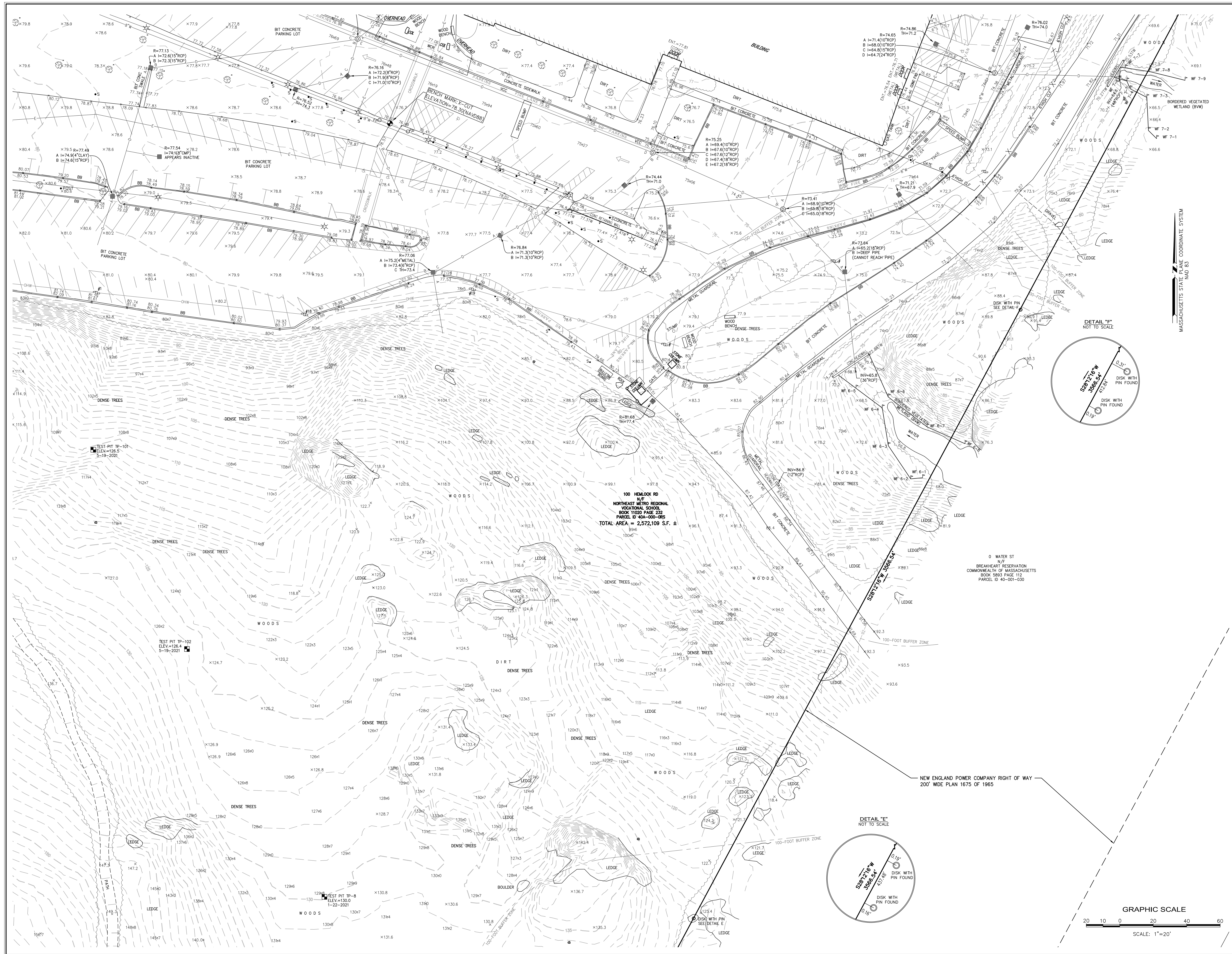
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B	TEST PITS & REVISED WETLAND	5/22/20
A	ADDED TEST PITS AND BORINGS	2/20/20

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DES./COMP: DRS
FIELD BOOK: 765/766
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EX-6

OF 14 REV. D



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100 HEMLOCK ROAD, WAKEFIELD, MA

PREPARED FOR:
DRUMNEY ROSANE ANDERSON, INC
235 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02451

REV.	COMMENTS	DATE
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EX-7

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REV.	COMMENTS	DATE
D	ADDED WETLAND NOTES	1/10/20
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B	TEST PITS & REVISED WETLAND	5/22/20
A	ADDED TEST PITS AND BORINGS	5/22/20

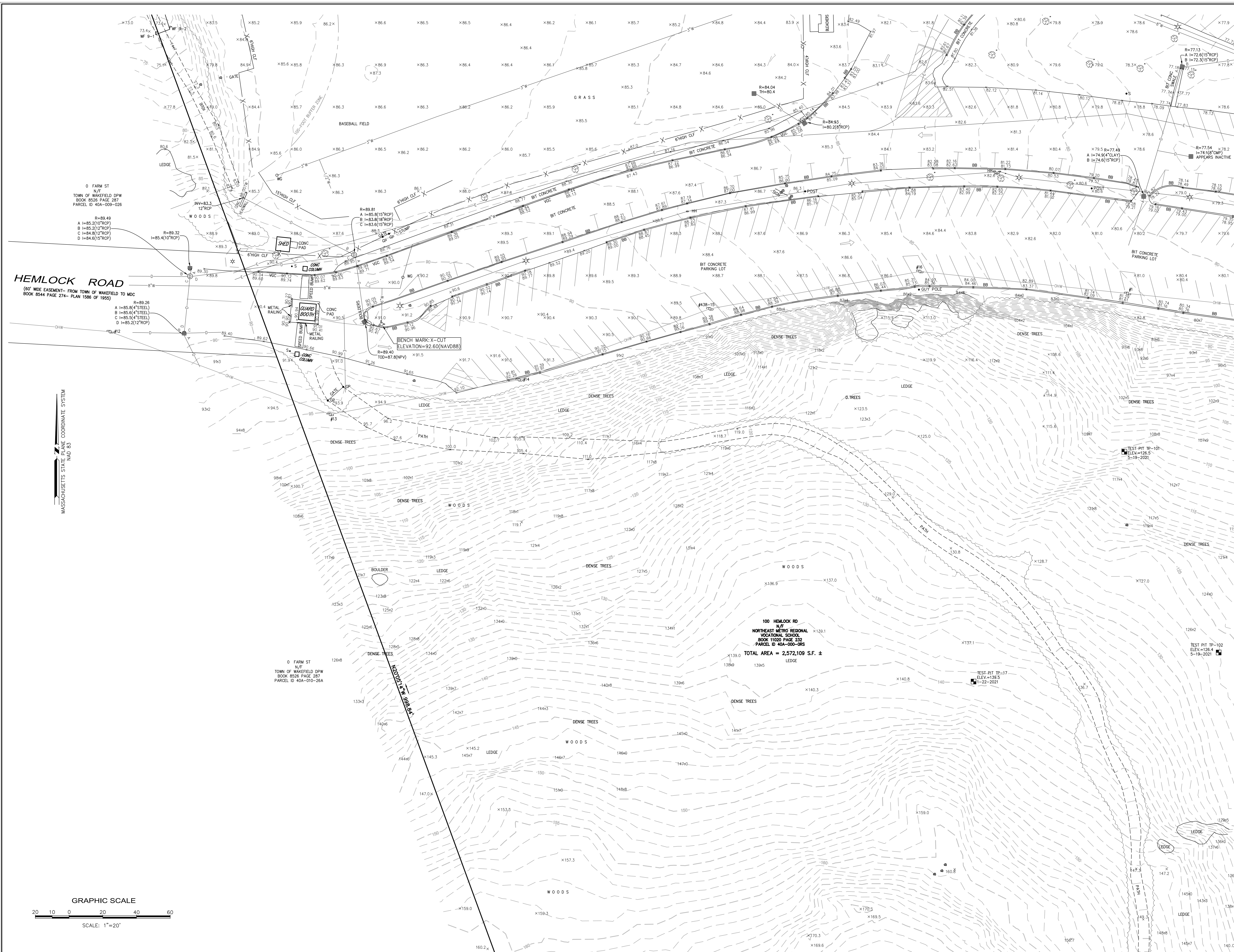
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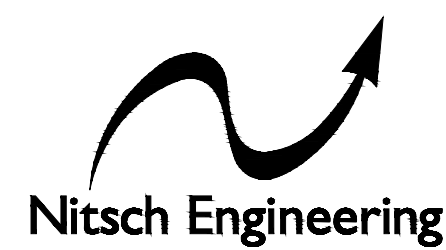
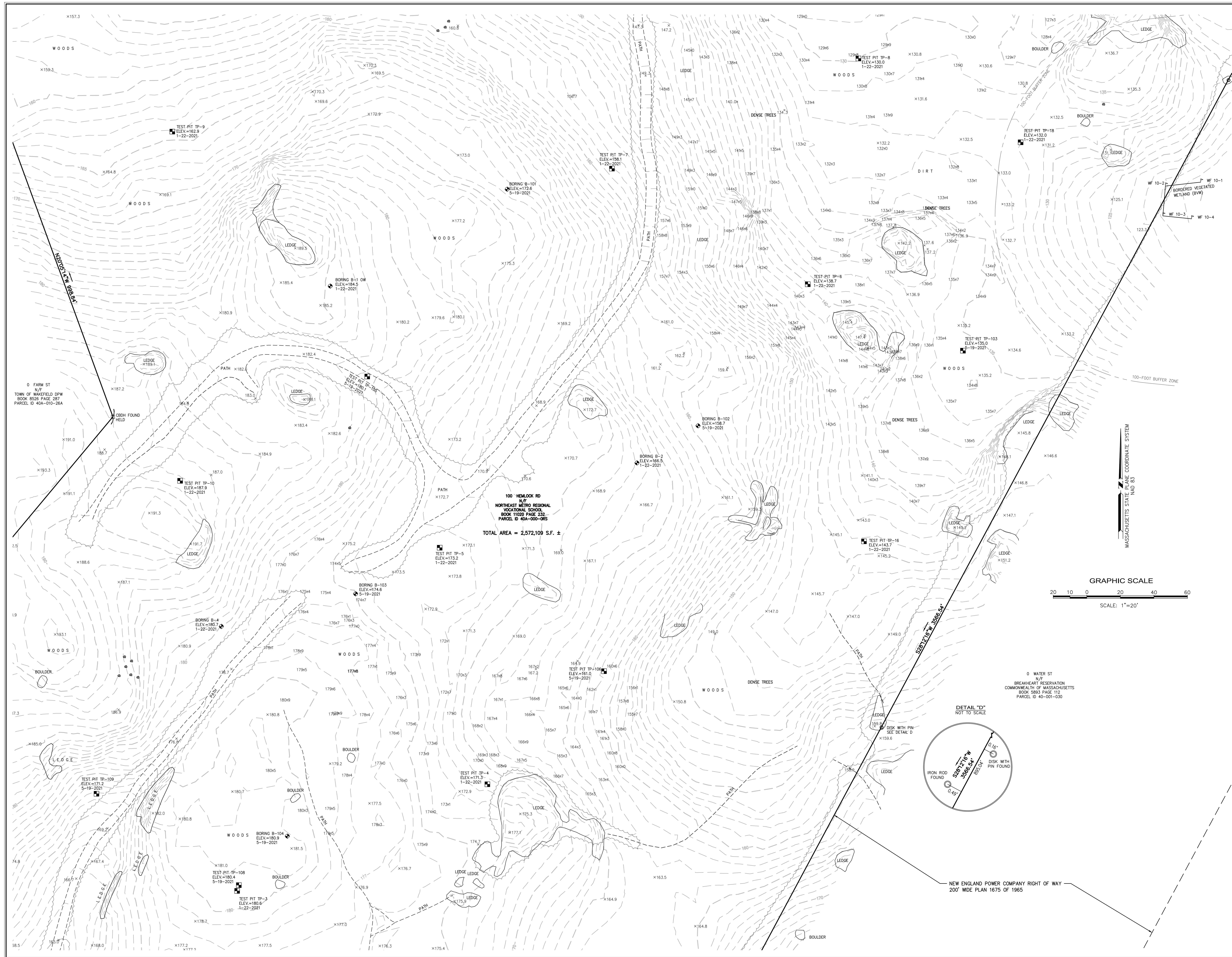
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PREPARED FOR:
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REV.	COMMENTS	DATE
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C	ADDED WETLAND NOTES	6/10/20
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A	ADDED TEST PITS AND BORINGS	2/20/20

PROJECT # 13872.1
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PREPARED FOR:
DRUMNEY ROSANE ANDERSON, INC
235 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02451

D	ADDED WETLAND NOTES	7/20/20
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100 HEMLOCK ROAD, WAKEFIELD, MA

DRUMNEY ROSANE ANDERSON, INC
235 BEAR HILL ROAD, 4TH FLOOR, WALTHAM, MA 02451

ADDED WETLAND NOTES	7/7/2021
ADDED WETLAND NOTES	6/15/2022
TEST PITS & REVISED WETLAND	5/27/2023
ADDED TEST PITS AND BORINGS	2/3/2024
COMMENTS	DATE
REVISIONS	

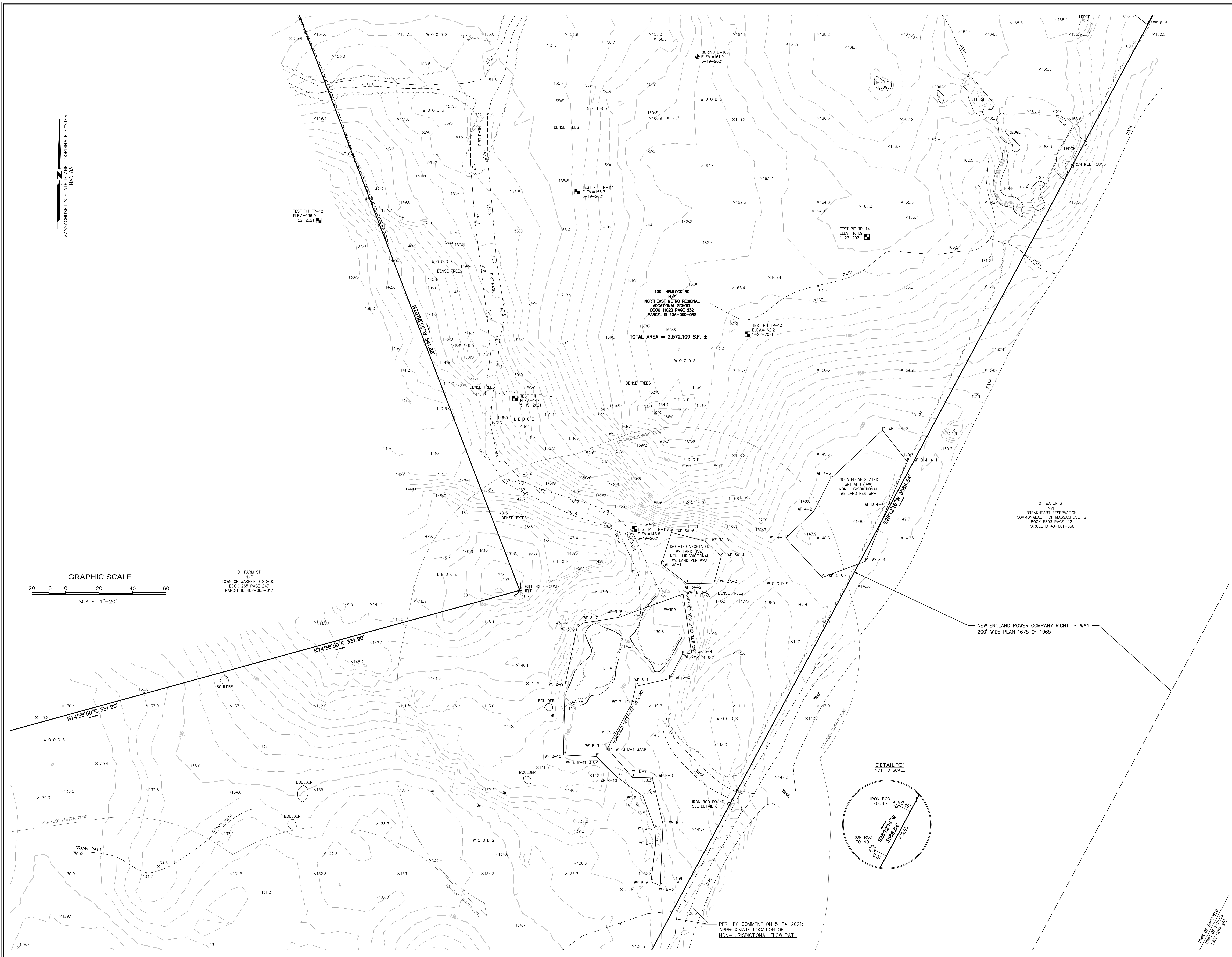
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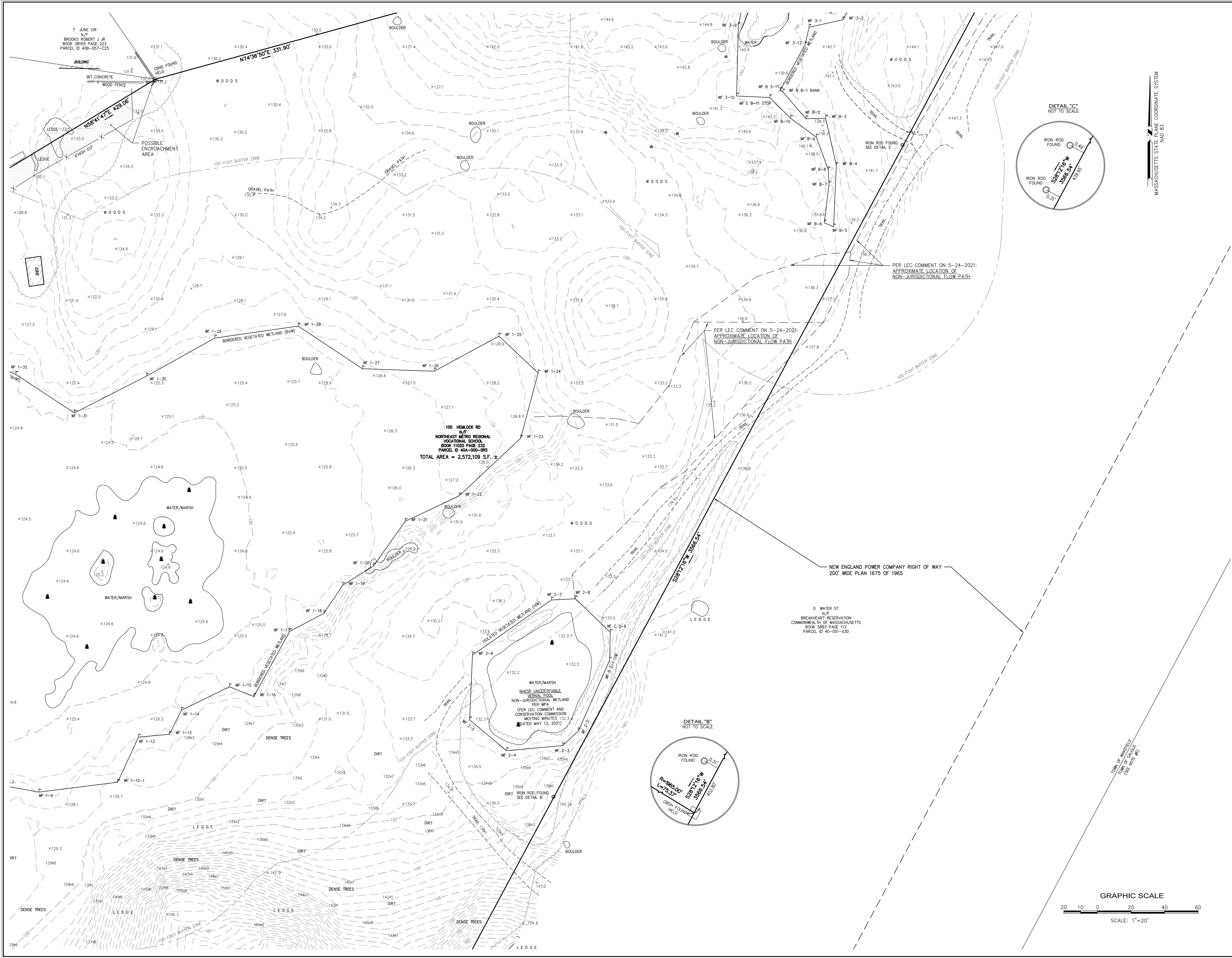
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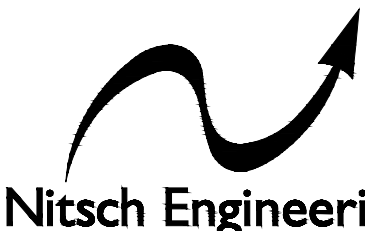
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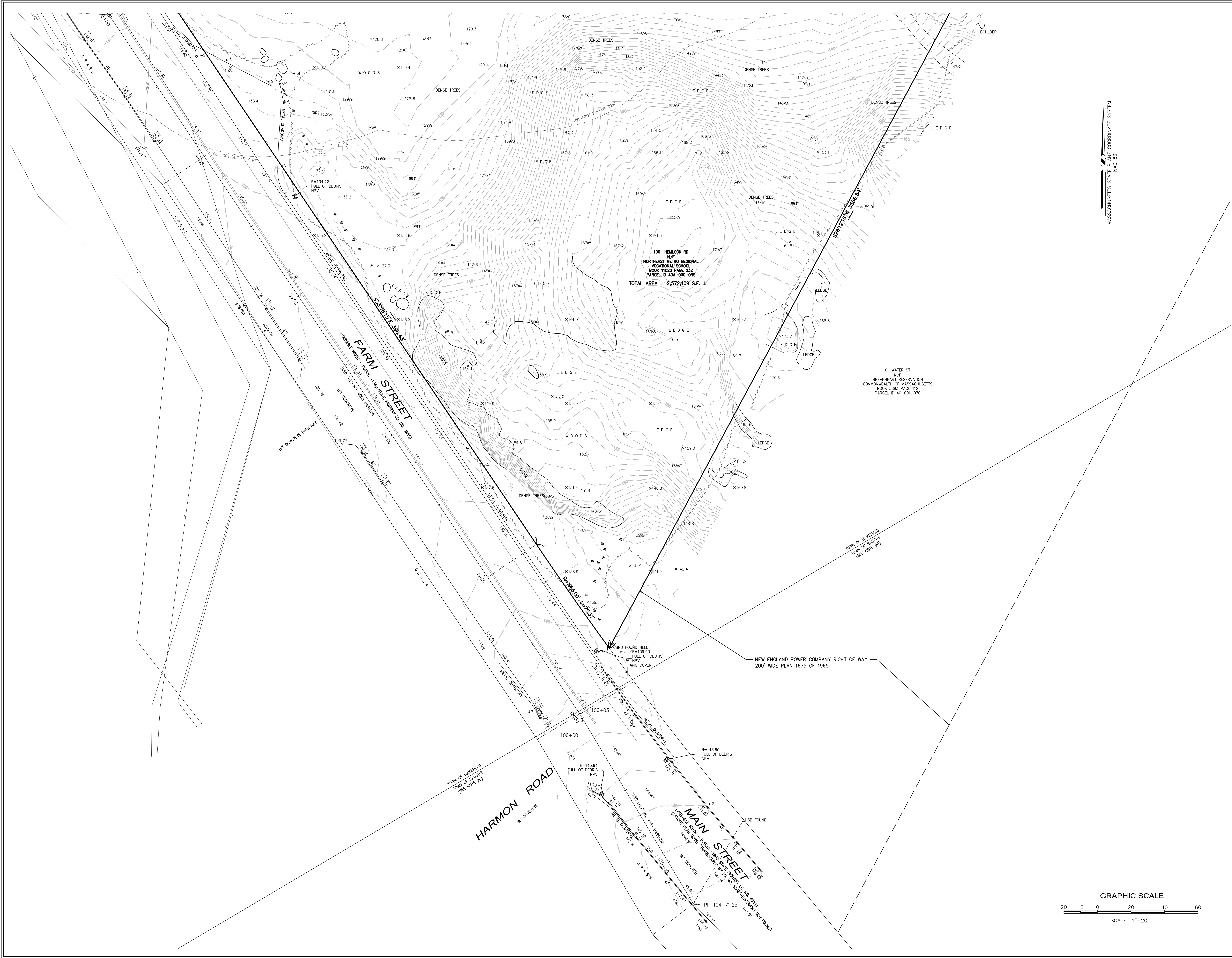
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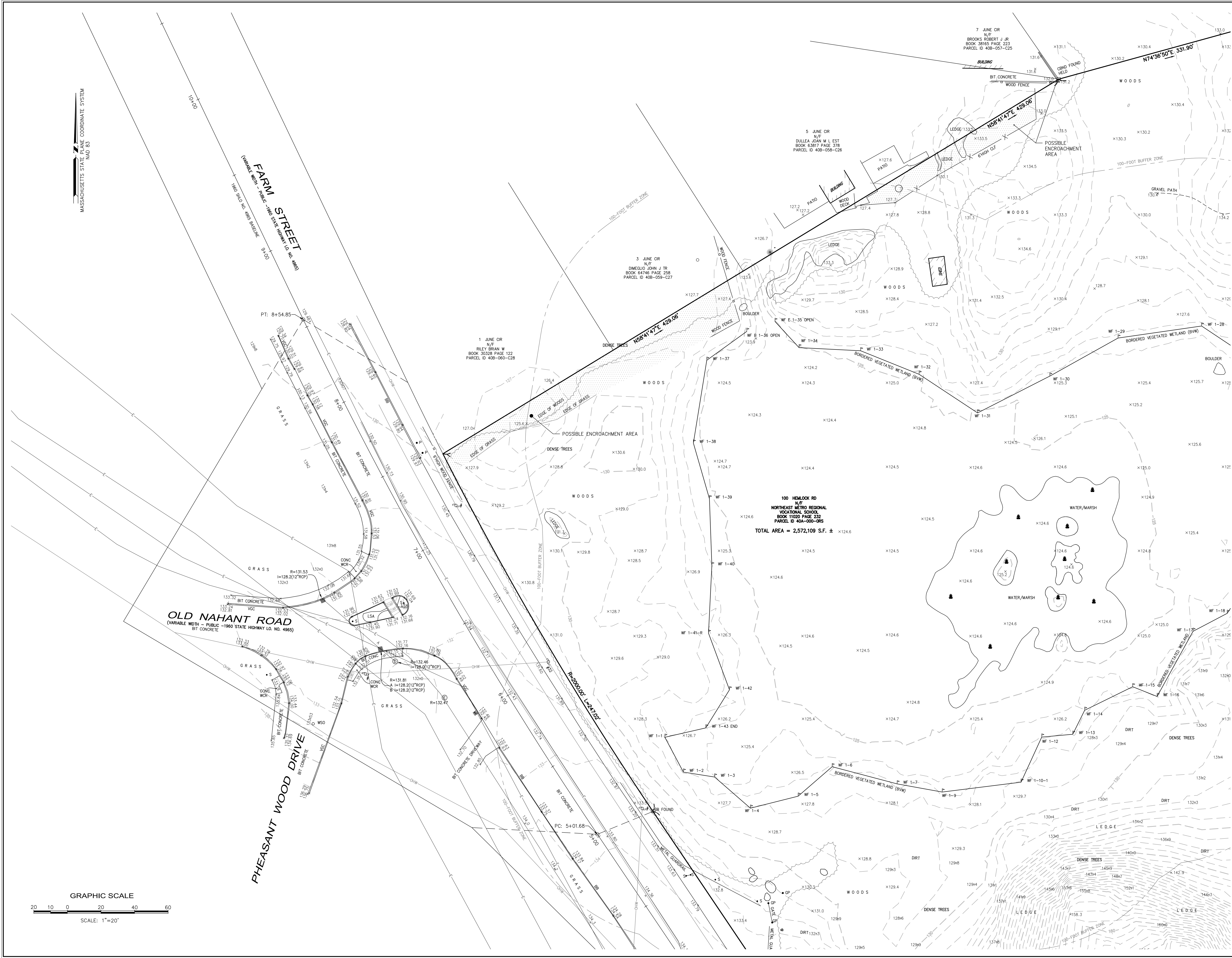
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REV.	COMMENTS	DATE
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DEMOLITION NOTES:

1. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
2. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
4. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.
6. UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATER-TIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
7. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
8. UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST-IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
9. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST-IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.
11. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ADJACENT TO NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
12. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
14. REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURB, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK LINE UNLESS OTHERWISE NOTED.
15. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
16. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
17. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.

WETLAND REPLICATION AREA AND WETLAND RESTORATION AREA CONSTRUCTION SEQUENCE:

1. A QUALIFIED WETLAND SCIENTIST SHALL SUPERVISE ALL ASPECTS OF THE PROPOSED WETLAND REPLICATION AREA AND WETLAND RESTORATION AREAS (WRAS) DURING CONSTRUCTION; E.G., EROSION CONTROLS, SITE PREPARATORY, GRADING, BACKFILLING, PLANTING AND SEEDING.
2. THE LIMITS OF THE WETLAND REPLICATION AREA SHALL BE STAKED IN THE FIELD PRIOR TO CONSTRUCTION AND CERTIFIED TO BE ACCURATELY LOCATED BY A PLS. FLAG OR STAKE. LIMITS OF WRAS: FLAG TREES AND/OR SHRUBS ADJACENT TO THE EXISTING WETLAND BOUNDARY TO REMAIN. INSTALL EROSION CONTROL BARRIER (I.E., STRAW WATTLES OR COMPOST FILTER TUBE) ALONG INTERSECTION OF THE WRAS AND ADJACENT WETLAND, TAKING INTO CONSIDERATION THAT GRADING WITHIN THE WETLAND WILL BE REQUIRED TO ACHIEVE A SUITABLE HYDROLOGIC CONNECTION TO THE WRAS. ONCE THE WRAS AND ADJACENT SIDE SLOPE HAVE BEEN GRADED, INSTALL AN EROSION CONTROL BARRIER (I.E., STRAW WATTLE OR COMPOST FILTER TUBE) AT THE TOE OF SLOPE TO PROTECT THE WRAS.
3. DURING CONSTRUCTION OF THE WRAS, THE SUPERVISORY WETLAND SCIENTIST SHALL OVERSEE THE PROPOSED GRADING AND PLANTING SCHEME. THE FINAL ELEVATION SHALL BE DETERMINED IN THE FIELD AND WILL CORRESPOND TO THE ELEVATION OF THE ADJACENT WETLAND. DURING CONSTRUCTION, THE WRAS SHALL BE EXCAVATED TO FINAL GRADE UNLESS A SUITABLE TOPSOIL IS NOT ENCOUNTERED, AT WHICH TIME THE AREA WILL BE EXCAVATED TO ONE FOOT BELOW THE FINAL DESIGN GRADE TO FACILITATE THE PLACEMENT OF TRANSLOCATED WETLAND SOILS AND/OR APPROVED CLEAN WETLAND SOIL (12% ORGANIC CARBON CONTENT (OR 20% ORGANIC MATTER CONTENT) AND PH OF 6.2-6.8) AS A SUITABLE SUBSTRATE FOR THE ESTABLISHMENT OF WETLAND VEGETATION. WETLAND SOILS WILL CONSIST OF THE TOPSOIL (0 OR A HORIZON) FROM THE WETLAND IMPACT AREA(S) AND/OR A WETLAND SOIL MIXTURE MANUFACTURED BY COMBINING TOPSOIL WITH A SOIL TEXTURAL CLASS OF SANDY LOAM, FINE SANDY LOAM, OR SILT LOAM WITH DECOMPOSED LEAF LITTER AT A 1:1:1 RATIO. THE WETLAND SOIL SHALL BE FREE OF STUMPS, ROOTS, HEAVY OR STIFF CLAY, STONES, COARSE SAND, NOXIOUS WEEDS, WEED SEEDS OR OTHER LITTER. SETTLING OF SOILS SHALL BE TAKEN INTO CONSIDERATION FOR FINAL ELEVATIONS.
4. MICROTOPOGRAPHY SHALL BE ESTABLISHED WITHIN THE WETLAND REPLICATION AREA UNDER THE OVERSIGHT OF THE WETLAND SCIENTIST BASED ON HYDROLOGY ENCOUNTERED.
5. IF THE WETLAND SCIENTIST APPROVES USE OF TRANSLOCATED WETLAND SOILS (I.E., FROM WETLAND IMPACT AREA(S)), AND THE SOILS ARE NOT USED IMMEDIATELY, COVER STOCKPILE TO AVOID DESICCATION. TRANSPLANT WETLAND VEGETATION TO EXTENT FEASIBLE WITHIN WRAS.
6. INSTALL SHRUBS AND TREES, ADD WOODY DEBRIS, AND THEN FERNS AND/OR HERBACEOUS PLUGS. LEAVE SMALL BOULDERS IN PLACE IF ENCOUNTERED.
7. IF PROPOSED, APPLY WETLAND SEED MIX AT THE SPECIFIED APPLICATION RATE OR HIGHER IF APPLIED AT THE END OF THE GROWING SEASON AND LIGHTLY RAKE TO ENSURE SEED-TO-SOIL CONTACT. THERE SHALL BE NO SEEDING IN AREAS OF STANDING WATER. DO NOT APPLY WITHIN 1-FOOT OF SHRUB AND TREE PLANTINGS.
8. IF PROPOSED, APPLY CONSERVATION SEED MIX TO SIDE SLOPES AT THE SPECIFIED APPLICATION RATE AND LIGHTLY RAKE TO ENSURE SEED-TO-SOIL CONTACT AND APPLY A LIGHT MULCH OF CLEAN WEED FREE STRAW.
9. THE SUPERVISORY WETLAND SCIENTIST SHALL RESERVE THE RIGHT TO REJECT ACCEPTANCE OF WETLAND PLANT SPECIES UPON DELIVERY BASED ON PLANT VIGOR/CONDITIONS, UNAUTHORIZED SUBSTITUTIONS, AND/OR NON-CONFORMANCE WITH THE PLANTING PLAN AND SPECIFICATIONS. ALL PLANTINGS SHALL BE NATIVE VARIETIES WITH NO LANDSCAPE CULTIVARS ACCEPTED. DURING TRANSPORT, THE PLANTS SHALL BE PROTECTED TO MINIMIZE STRESS. SHOULD PLANTS BE STOCKPILED TEMPORARILY ON-SITE, THEY SHALL BE CARED FOR TO MINIMIZE STRESS. DAILY INSPECTION TO ENSURE ADEQUATE WATERING REQUIREMENTS ARE MET AS RECOMMENDED BY THE SUPPLIER. PLANTS SHALL BE STORED IN PARTIAL SHADE CONDITIONS AND SHALL NOT BE STORED ON A HOT IMPERVIOUS SURFACE. TRANSPLANTING WETLAND VEGETATION FROM IMPACT AREAS MAY BE CARRIED OUT TO EXTENT FEASIBLE FOR REUSE WITHIN WRAS WITH APPROVAL FROM THE WETLAND SCIENTIST.
10. INSTALL A PATCHY LAYER OF LEAF LITTER OVER THE SOIL FOLLOWING SEEDING. LEAF LITTER SHALL BE SALVAGED IN AREAS WHERE CONSTRUCTION IS PLANNED WHERE NON-NATIVE, INVASIVE SPECIES ARE ABSENT.
11. THE SUPERVISORY WETLAND SCIENTIST SHALL RESERVE THE RIGHT TO REQUIRE A SUPPLEMENTAL WATERING PROGRAM OF PLANTINGS.
12. REMOVE EROSION CONTROL BARRIERS UPON STABILIZATION OF THE SIDE SLOPE, WETLAND REPLICATION AREA AND WETLAND RESTORATION AREA.

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
2. MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE MINIMUM RECOMMENDED PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL SELECTION AND PLACEMENT OF EROSION AND SEDIMENTATION CONTROLS BASED ON ACTUAL SITE CONDITIONS AND CONSTRUCTION CONDITIONS. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED PROTECTION AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
3. AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
4. SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
5. AFTER ANY SIGNIFICANT RAINFALL (GREATER THAN 0.25 INCHES OF RAINFALL WITHIN 24 HOURS), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGE SHALL BE CORRECTED IMMEDIATELY.
6. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SEDIMENT FROM ENTERING ANY STORM DRAINAGE SYSTEM AND FROM BEING CONVEYED TO ANY WETLAND RESOURCE AREA, PUBLIC WAYS, ADJUTING PROPERTY, OR OUTSIDE OF THE PROJECT LIMITS.
8. THE CONTRACTOR SHALL PROTECT ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK FROM EROSION CONDITIONS. STRAW BALE, CRUSHED STONE OR EQUIVALENT CHECK DAMS ARE TO BE PROVIDED AT A MAXIMUM OF TWO HUNDRED (200) FOOT SPACING, OR LESS AS SITE-SPECIFIC CONDITIONS WARRANT, WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
9. ALL STOCK PILES SHALL BE PROTECTED AND LOCATED A MINIMUM OF 100' FROM EXISTING WETLAND RESOURCE AREAS & WITHIN THE LIMIT OF WORK.
10. ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEEP AT THE END OF EACH WORKING DAY.
11. ALL SEDIMENT RETAINED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LEGALLY DISPOSED OF OFFSITE.
12. TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS, AND ANY DENuded SURFACE THAT WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE STABILIZED/PROTECTED WITH APPROPRIATE EROSION CONTROL MATTING OR OTHER EROSION CONTROL METHODS.
13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE PERMITTING AUTHORITY OR OWNER.
14. THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING, OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED.
15. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY THE TOWN OF WAKEFIELD CONSERVATION AGENT. STABILIZE OR SEED BARE AREAS LEFT AFTER EROSION CONTROL REMOVAL.
16. THE USE OF SODIUM CHLORIDE FOR DE-ICING OR ROADWAY TREATMENT IS NOT ALLOWED. DE-ICING/ROADWAY TREATMENT WILL FOLLOW MASSACHUSETTS DEPARTMENT OF TRANSPORTATION GUIDELINES FOR TREATMENT OF NO-SALT AREAS.

TEMPORARY WETLAND IMPACTS:

1. AREAS OF TEMPORARY WETLAND ALTERATION WILL BE RESTORED IN-KIND AT THE DIRECTION OF THE SUPERVISING WETLAND SCIENTIST. TEMPORARY ALTERATION AREAS WHERE SOIL HAS BEEN DISTURBED WILL BE RESTORED BY ESTABLISHING NATURAL WETLAND SOIL PROFILES USING A WETLAND TOPSOIL SUITABLE FOR WETLAND REPLICATION AREAS AND SEEDING WITH A WETLAND SEED MIX, AS DESIGNATED BY THE WETLAND SCIENTIST, AND/OR IN-KIND REPLACEMENT OF NATIVE HERBACEOUS PLANTS, SHRUBS AND/OR TREES. TEMPORARY ALTERATION AREAS WHERE ONLY VEGETATION HAS BEEN REMOVED OR DISTURBED ALSO WILL BE SEEDDED WITH THE WETLAND SEED MIX AND/OR IN-KIND REPLACEMENT OF NATIVE HERBACEOUS PLANTS, SHRUBS AND/OR TREES. SEEDDED AREAS SHALL BE STABILIZED VIA HYDRO-SEEDING, STRAW MULCH, AND/OR EROSION CONTROL BLANKETS AT THE DIRECTION OF THE WETLAND SPECIALIST.

GENERAL NOTES:

1. TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "TOPOGRAPHIC SURVEY, NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL, 100 HEMLOCK ROAD, WAKEFIELD, MA" PREPARED BY NITSCH ENGINEERING, DATED JUNE 3, 2020, REVISED THROUGH JULY 7, 2021.
2. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
3. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS REGULATIONS.
4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
5. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCH ENGINEERING. SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
6. THE CONTRACTOR SHALL, THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
8. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
10. THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
12. ELEVATIONS REFER TO NAVD88 (REFER TO THE EXISTING CONDITIONS SURVEY FOR ADDITIONAL INFORMATION).
13. THE CONTRACTOR SHALL COMPLY WITH THE ORDER OF CONDITIONS DATED XXXX XX, XXXX AND ISSUED BY THE TOWN OF WAKEFIELD CONSERVATION COMMISSION (DEP #XXX-XXX).
14. FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT PREPARED BY LAHLAF GEOTECHNICAL CONSULTING, INC.

UTILITY NOTES:

1. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR, AND FOR CONDUCTING ALL PREPARATIONS RELATED TO, WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES, IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNER.
4. ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
5. GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS.
6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS, TELECOMMUNICATION AND ELECTRICAL SERVICES.
7. INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER FROM THE FINAL DESIGN GRADES.
8. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10- FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS.
11. ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
12. ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND PAVING CONSTRUCTION.
13. ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT.

PROPOSED LEGEND

- LIMIT OF WORK
- EXISTING UTILITY TO BE ABANDONED, REMOVED AND DISPOSED IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS INDICATED ON DRAWINGS
- STANDARD PERIMETER PROTECTION BARRIER
- SENSITIVE AREA PERIMETER PROTECTION BARRIER
- CONSTRUCTION FENCE
- DOMESTIC WATER PIPE
- FIRE PROTECTION PIPE
- SANITARY SEWER PIPE
- STORM DRAIN PIPE
- GAS PIPE
- ELECTRIC DUCTBANK
- TELECOM DUCTBANK
- SEWER FORCE MAIN
- FUTURE UTILITY, SHOWN FOR INFORMATION ONLY
- INLET PROTECTION
- ELEVATION CONTOURS
- MATCH LINE
- CENTERLINE
- CLEANOUT
- AREA DRAIN
- ACCESS BASIN
- DRAIN MANHOLE
- WATER QUALITY STRUCTURE
- CATCH BASIN
- DOUBLE CATCH BASIN
- WATER QUALITY INLET
- SEWER MANHOLE
- TELECOM MANHOLE
- ELECTRIC MANHOLE
- WATER VALVE
- FIRE HYDRANT
- TREE REMOVAL

ABBREVIATIONS

- AB ACCESS BASIN
- AD AREA DRAIN
- BC BOTTOM OF CURB ELEVATION
- BW BOTTOM OF WALL ELEVATION
- CB CATCH BASIN
- CI CAST IRON
- CO CLEANOUT
- CPP CORRUGATED POLYETHYLENE PIPE
- DCB DOUBLE CATCH BASIN
- DI DUCTILE IRON PIPE CEMENT LINED
- DMH DRAIN MANHOLE
- EHH ELECTRIC HANDHOLE
- EMH ELECTRIC MANHOLE
- FD FOUNDATION DRAIN
- FFE FINISHED FLOOR ELEVATION
- HYD FIRE HYDRANT
- INV INVERT ELEVATION
- LF LINEAR FEET
- LOW LIMIT OF WORK
- M&P MAINTAIN AND PROTECT
- OCS OUTLET CONTROL STRUCTURE
- PD PERIMETER DRAIN
- PERF PERFORATED
- PVC POLYVINYL CHLORIDE PIPE
- R&D REMOVE AND DISPOSE
- R&S REMOVE AND STOCKPILE
- RD ROOF DRAIN
- RM RM ELEVATION
- ROW RIGHT OF WAY
- SMH SEWER MANHOLE
- TC TOP OF CURB ELEVATION
- TW TOP OF WALL ELEVATION
- THH TELECOM HANDHOLE
- TMH TELECOM MANHOLE
- TYP TYPICAL
- VGC VERTICAL GRANITE CURB
- WQI WATER QUALITY INLET
- WQS WATER QUALITY STRUCTURE
- WV WATER VALVE

DRAWING

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EARLY SITE PREPARATION CONTRACT DOCUMENTS

JANUARY 13, 2023

CIVIL NOTES, LEGENDS, AND ABBREVIATIONS

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

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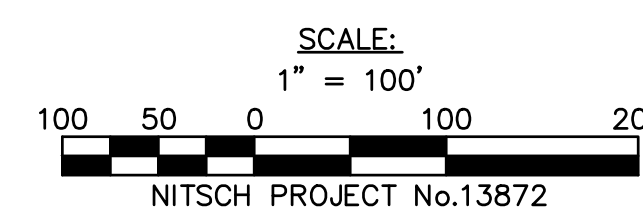
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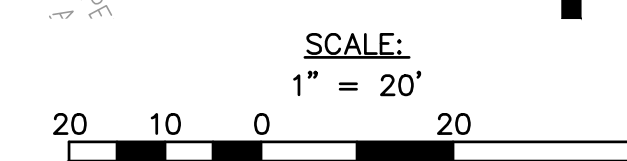
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M&P ALL EXISTING UTILITIES WITHIN
PUBLIC ROW UNLESS OTHERWISE NOTED

M&P EX. CATCH BASIN

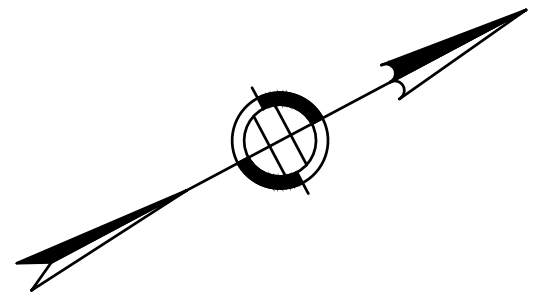
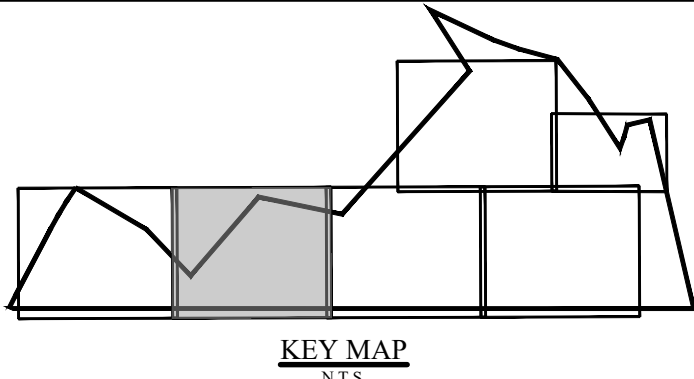
✓ LIMIT OF WORK (TYP)

LIMIT OF TREE REMOVAL (TYP)

SCALE

1" = 2'

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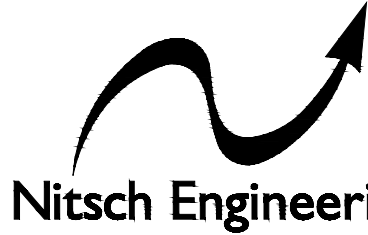


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NITSCH PROJECT No. 13872

**EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS**

JANUARY 13, 2023

**UTILITY
DEMOLITION PLAN
II**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

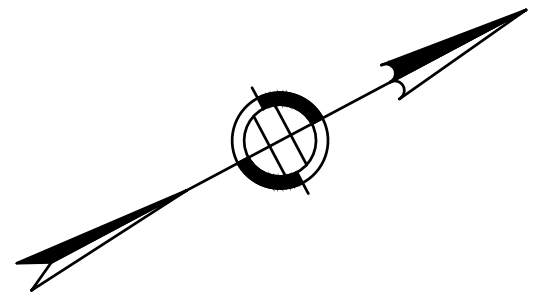
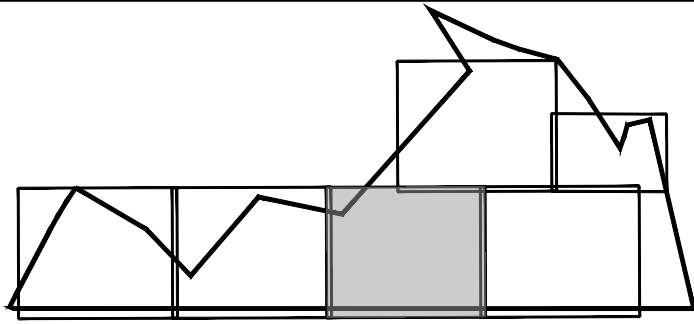
C-201

MATCHLINE SEE SHEET C-200

MATCHLINE SEE SHEET C-202

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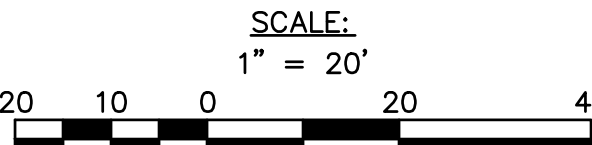
SCALE:
1" = 20'
20 10 0 20 40



MATCHLINE SEE SHEET C-201

MATCHLINE SEE SHEET C-204

MATCHLINE SEE SHEET C-203



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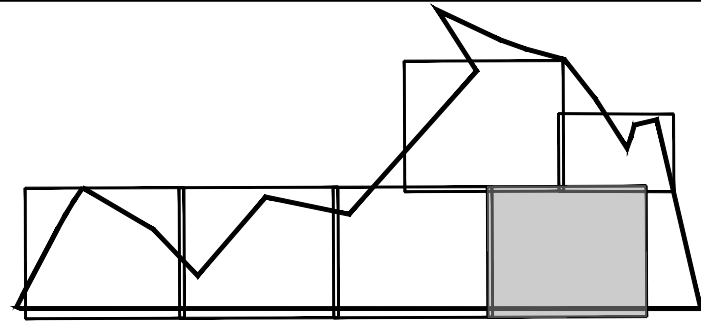
EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS

JANUARY 13, 2023

**UTILITY
DEMOLITION PLAN
III**

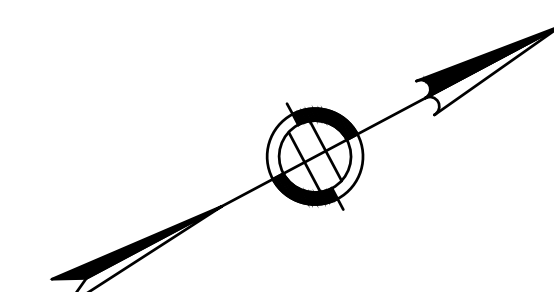
Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-202



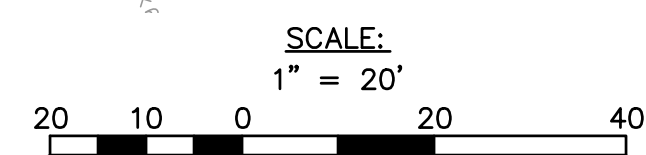
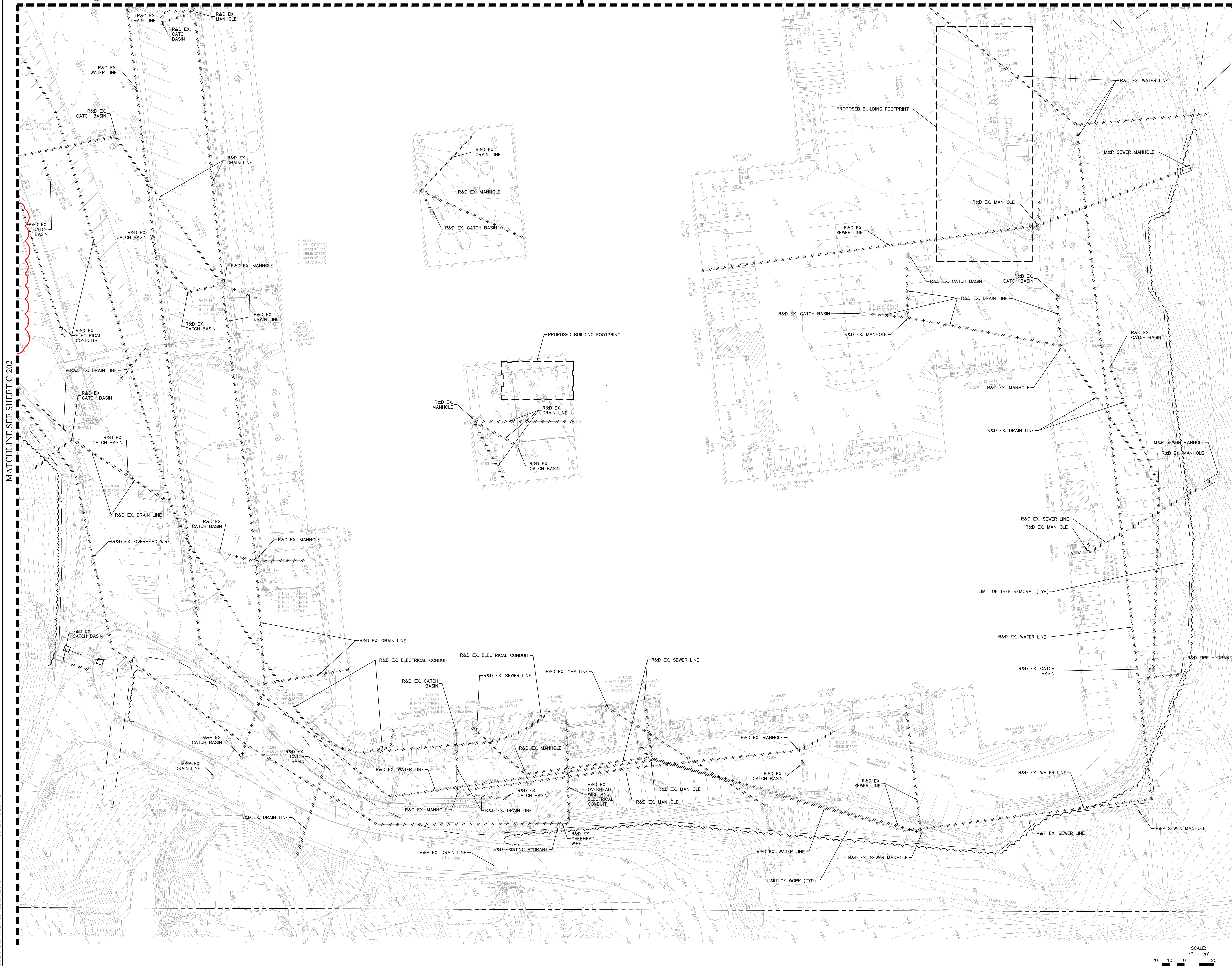
MATCHLINE SEE SHEET C-204

MATCHLINE SEE SHEET C-205



MATCHLINE SEE SHEET C-202

PROJECT NO. 13872
DATE: JANUARY 13, 2023
DRAWN BY: WL
CHECKED BY: WL
IN CHARGE: WL

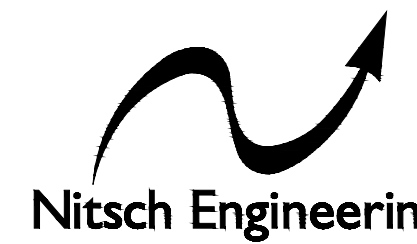


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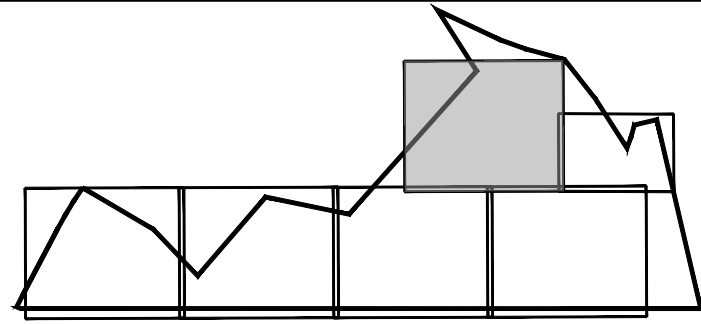
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DOCUMENTS

JANUARY 13, 2023

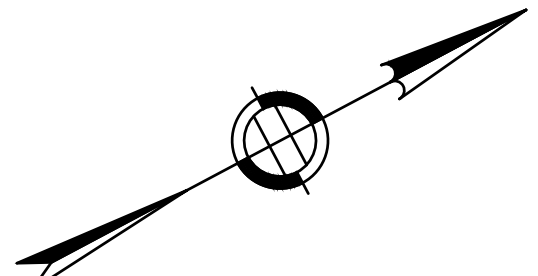
**UTILITY
DEMOLITION PLAN
IV**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-203



KEY MAP
S15



DRA

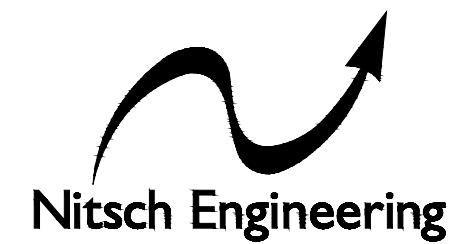
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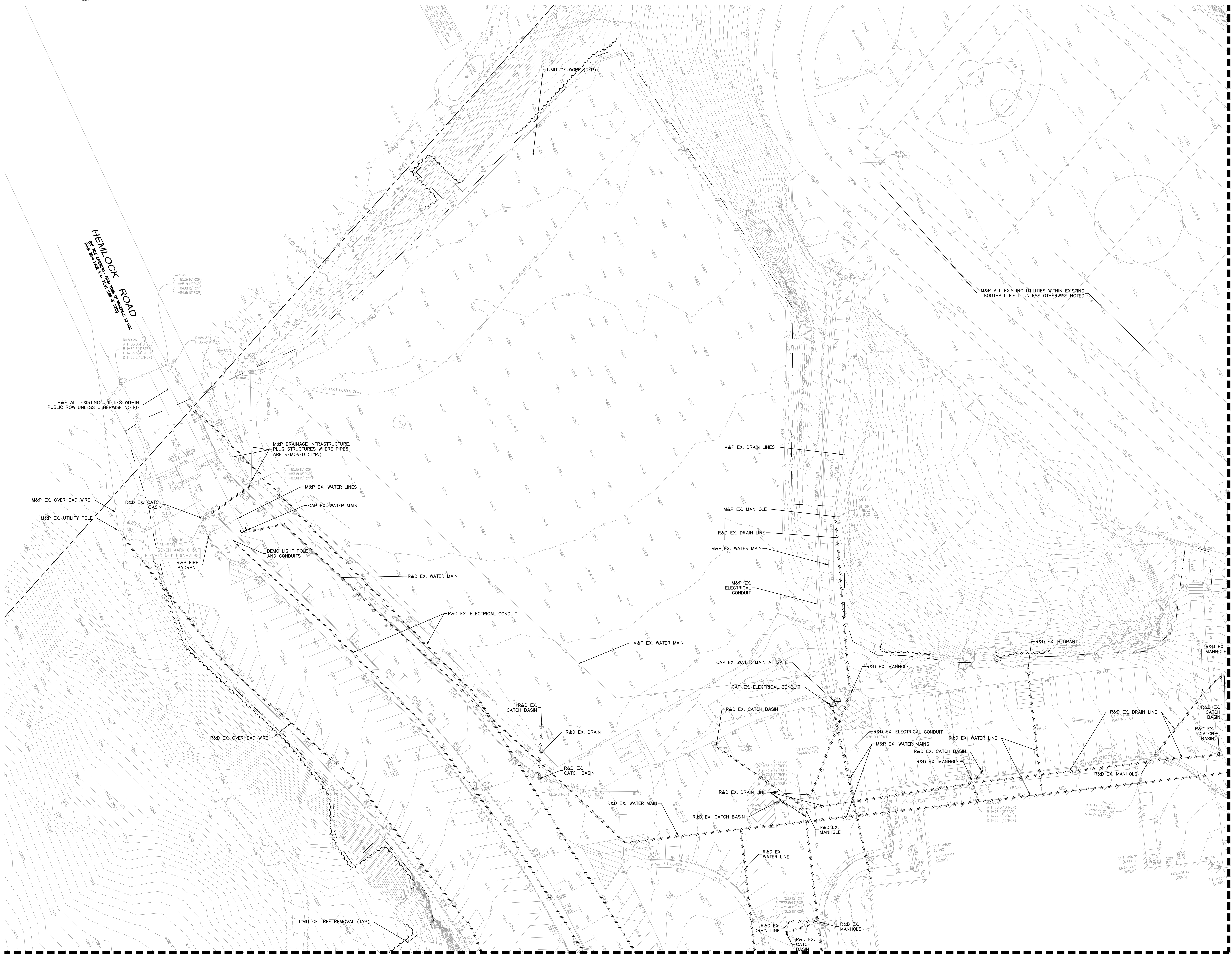
EARLY SITE PREPARATION CONTRACT DOCUMENTS

JANUARY 13, 2023

UTILITY DEMOLITION PLAN V

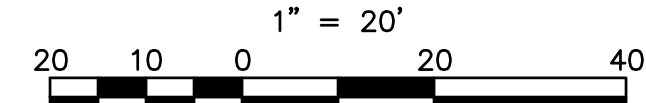
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Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

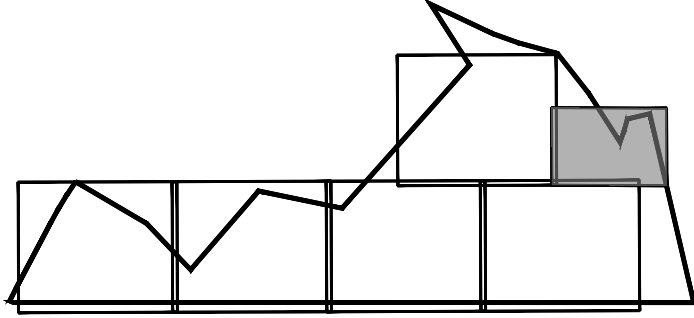
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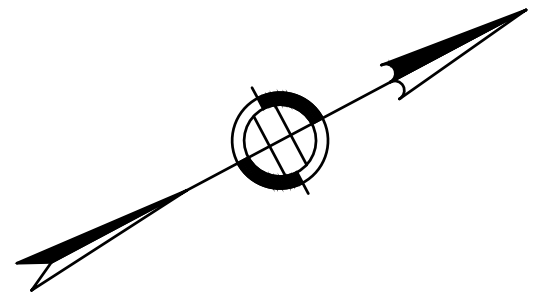
MATCHLINE SEE SHEET C-202

MATCHLINE SEE SHEET C-203





KEY MAP
S15



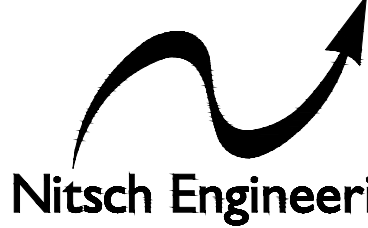
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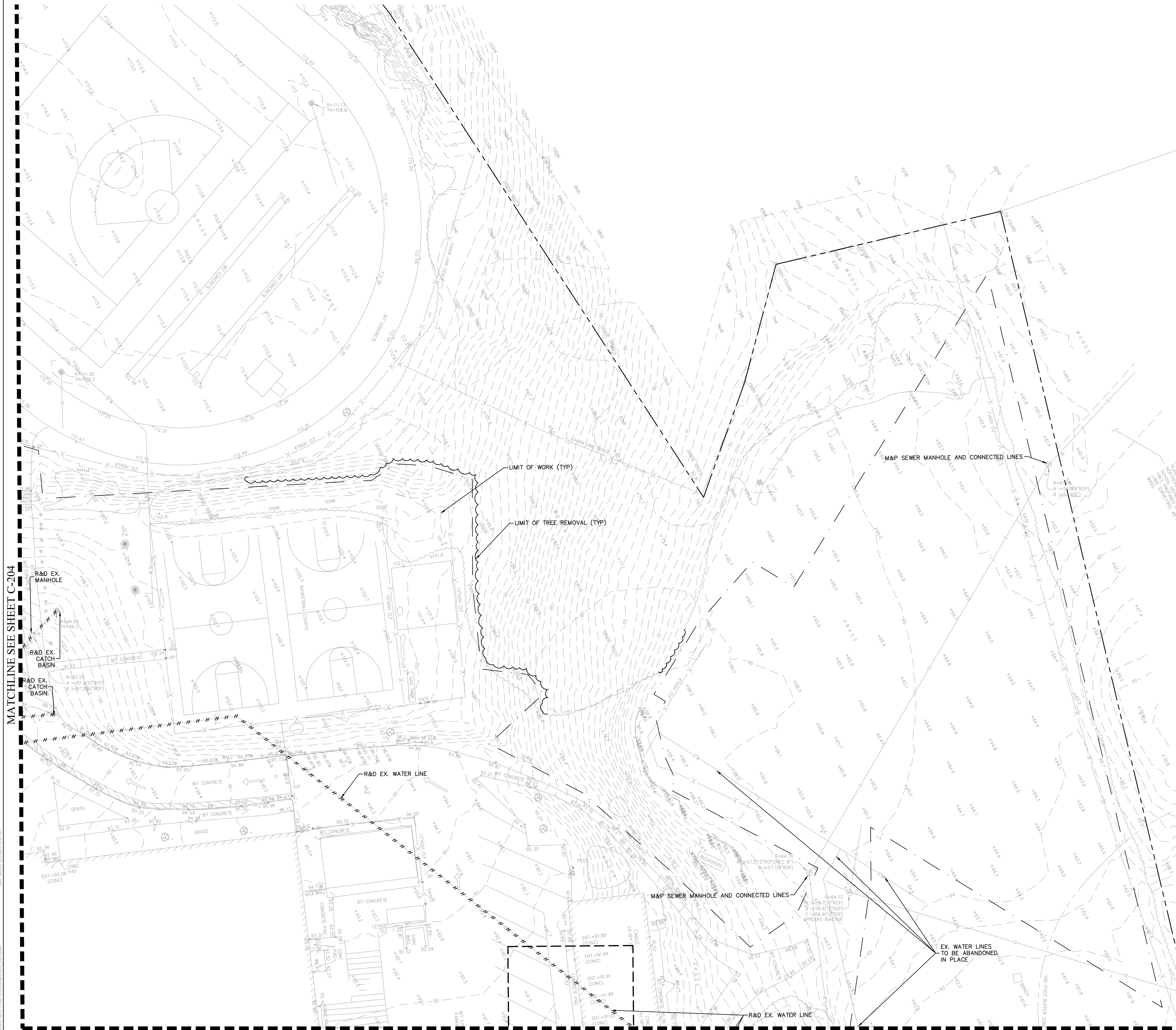
**EARLY SITE
PREPARATION
CONTRACT
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JANUARY 13, 2023

**UTILITY
DEMOLITION PLAN
VI**

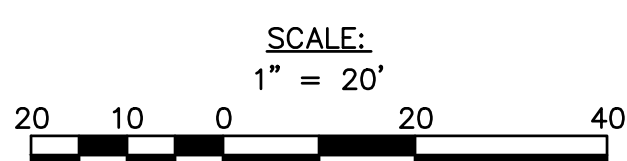
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Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-205

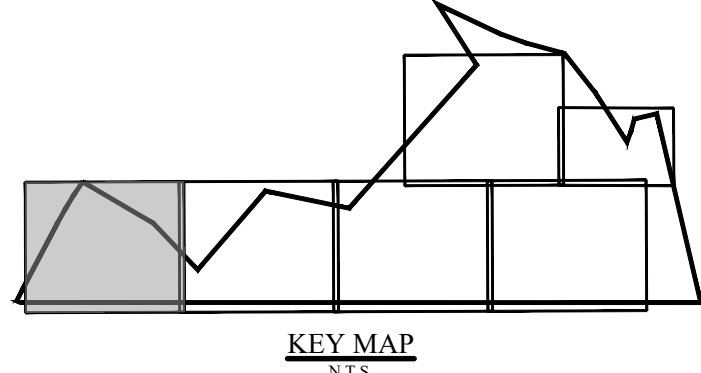


MATCHLINE SEE SHEET C-204

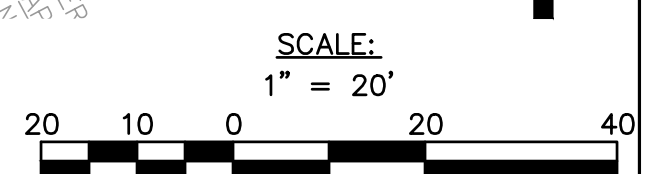
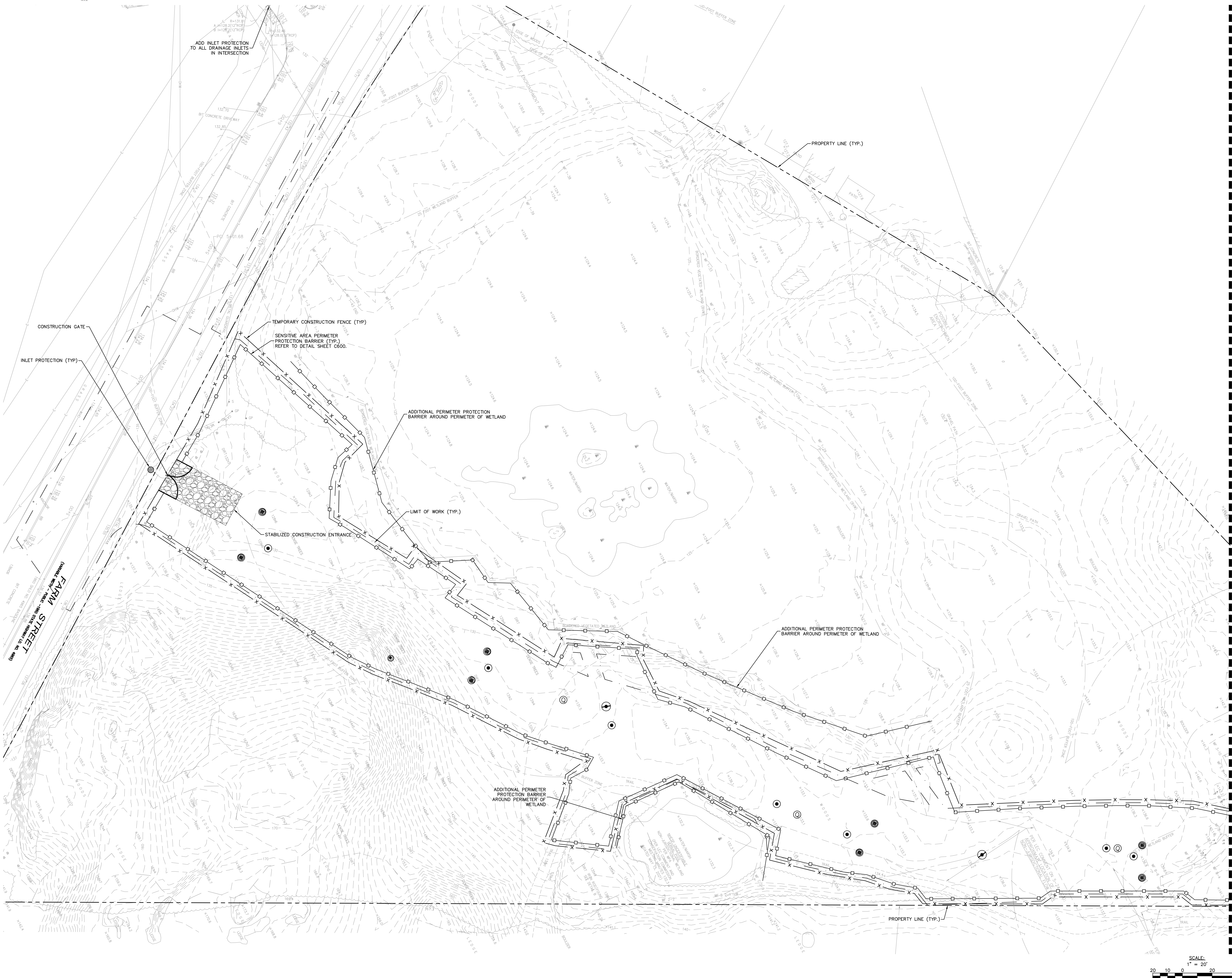
MATCHLINE SEE SHEET C-203



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- 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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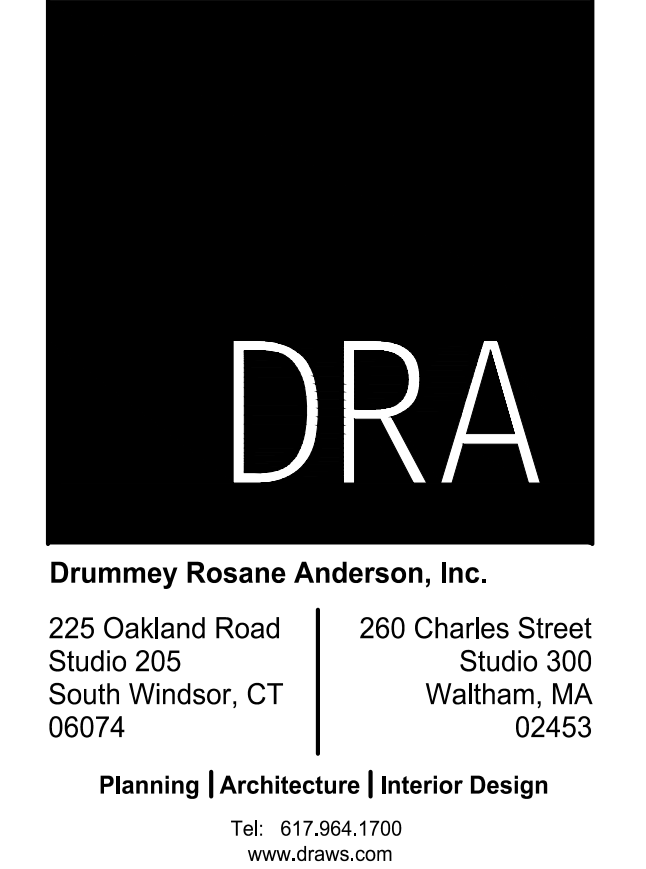
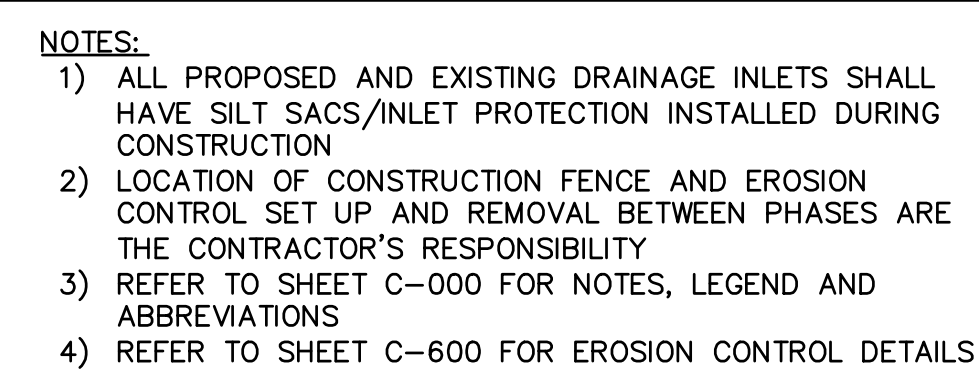
EARLY SITE PREPARATION CONTRACT DOCUMENTS

JANUARY 13, 2023

SEDIMENTATION AND EROSION CONTROL PLAN I

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-300



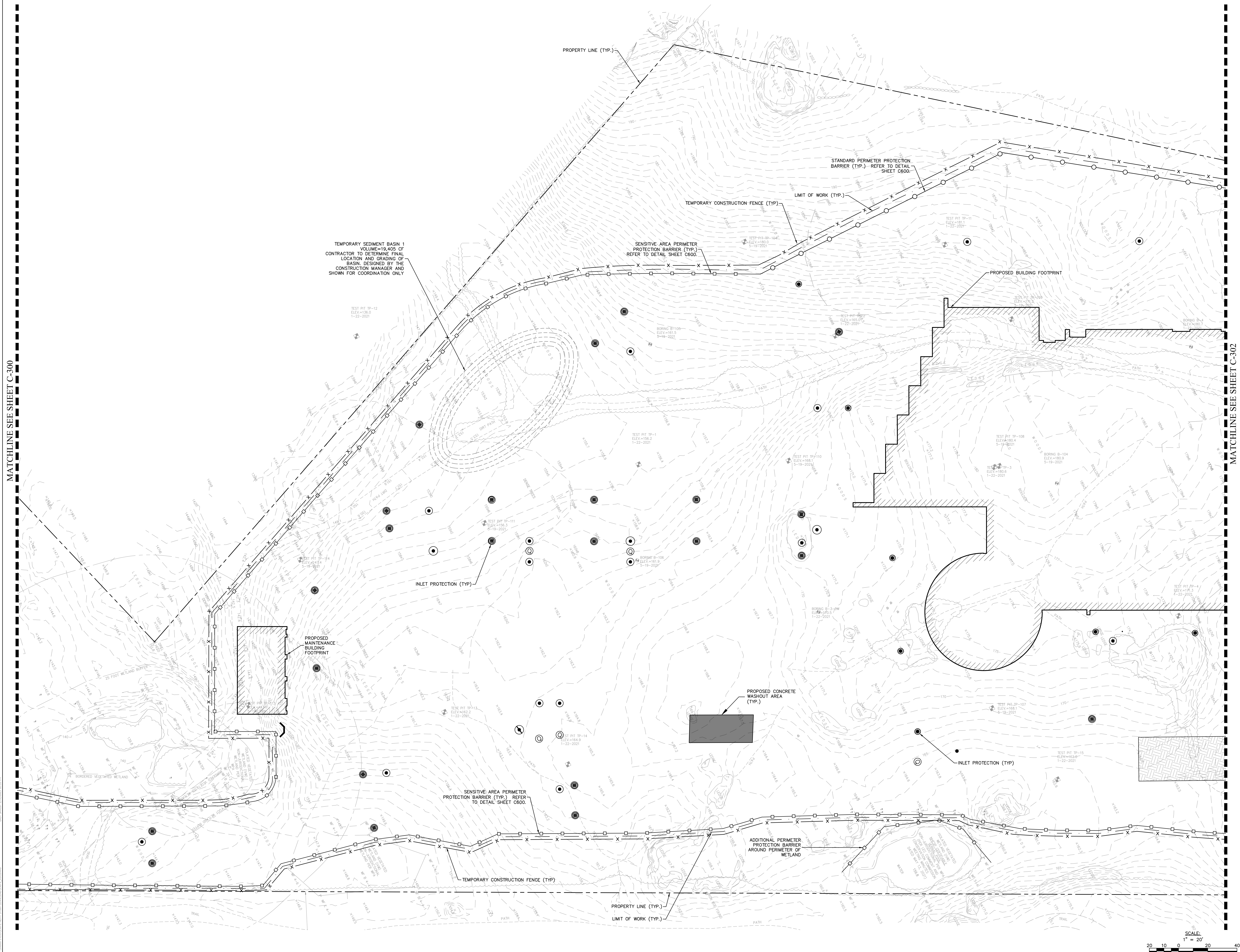
100 Hemlock Rd,
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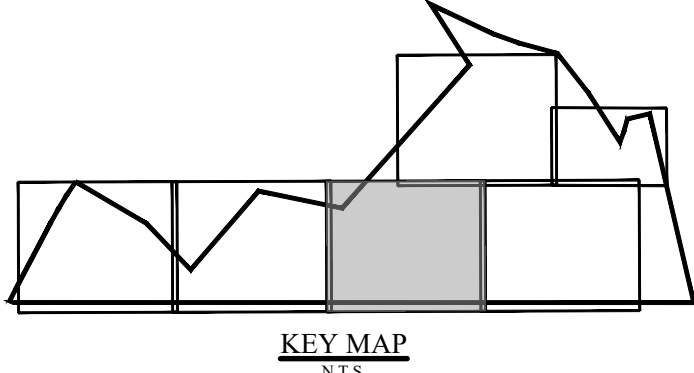


JANUARY 13, 2023

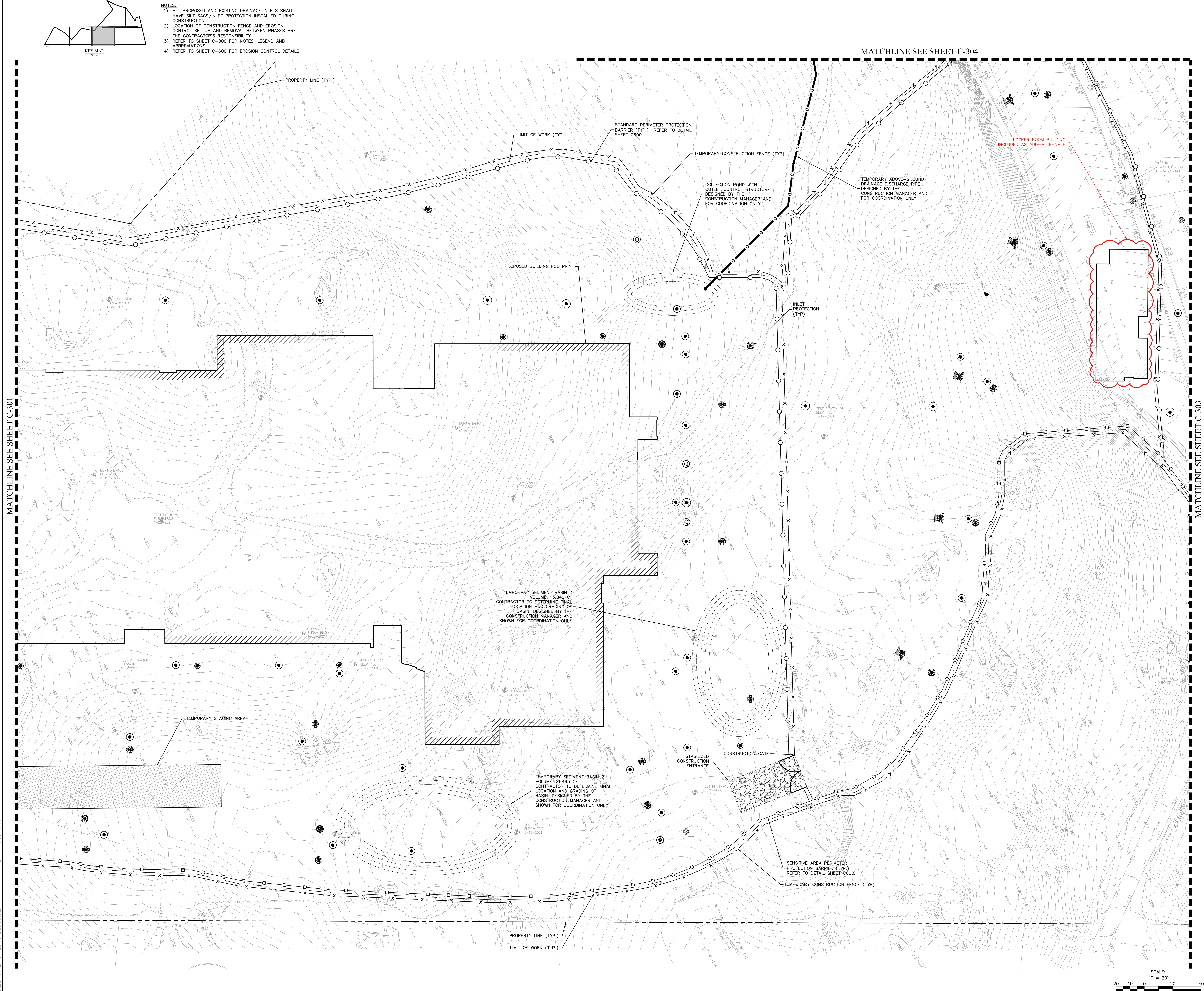
Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

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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NITSCH PROJECT No. 13872

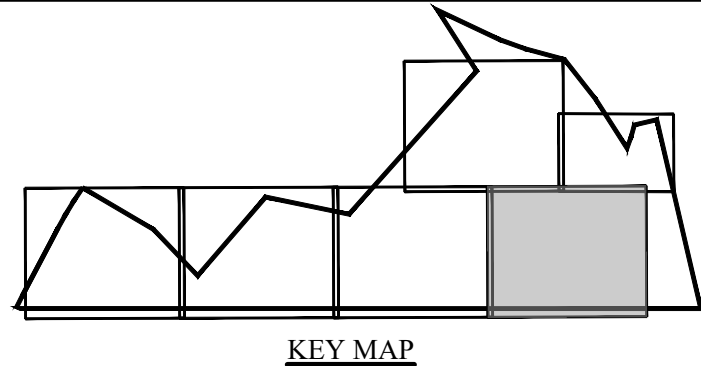
EARLY SITE PREPARATION CONTRACT DOCUMENTS

JANUARY 13, 2023

SEDIMENTATION AND EROSION CONTROL PLAN III

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 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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**EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS**

JANUARY 13, 2023

**SEDIMENTATION
AND EROSION
CONTROL PLAN IV**

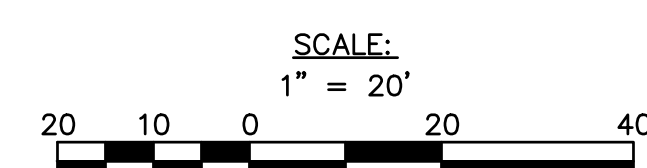
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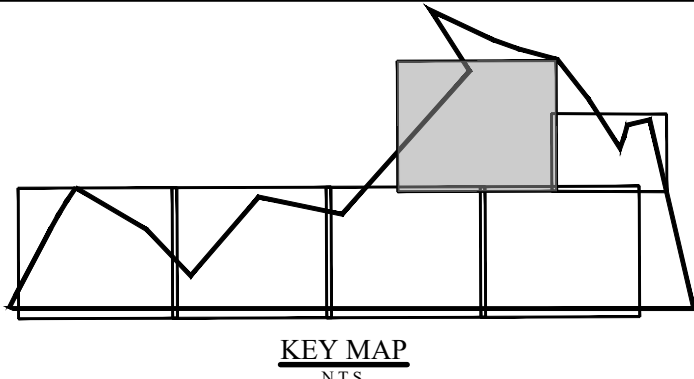
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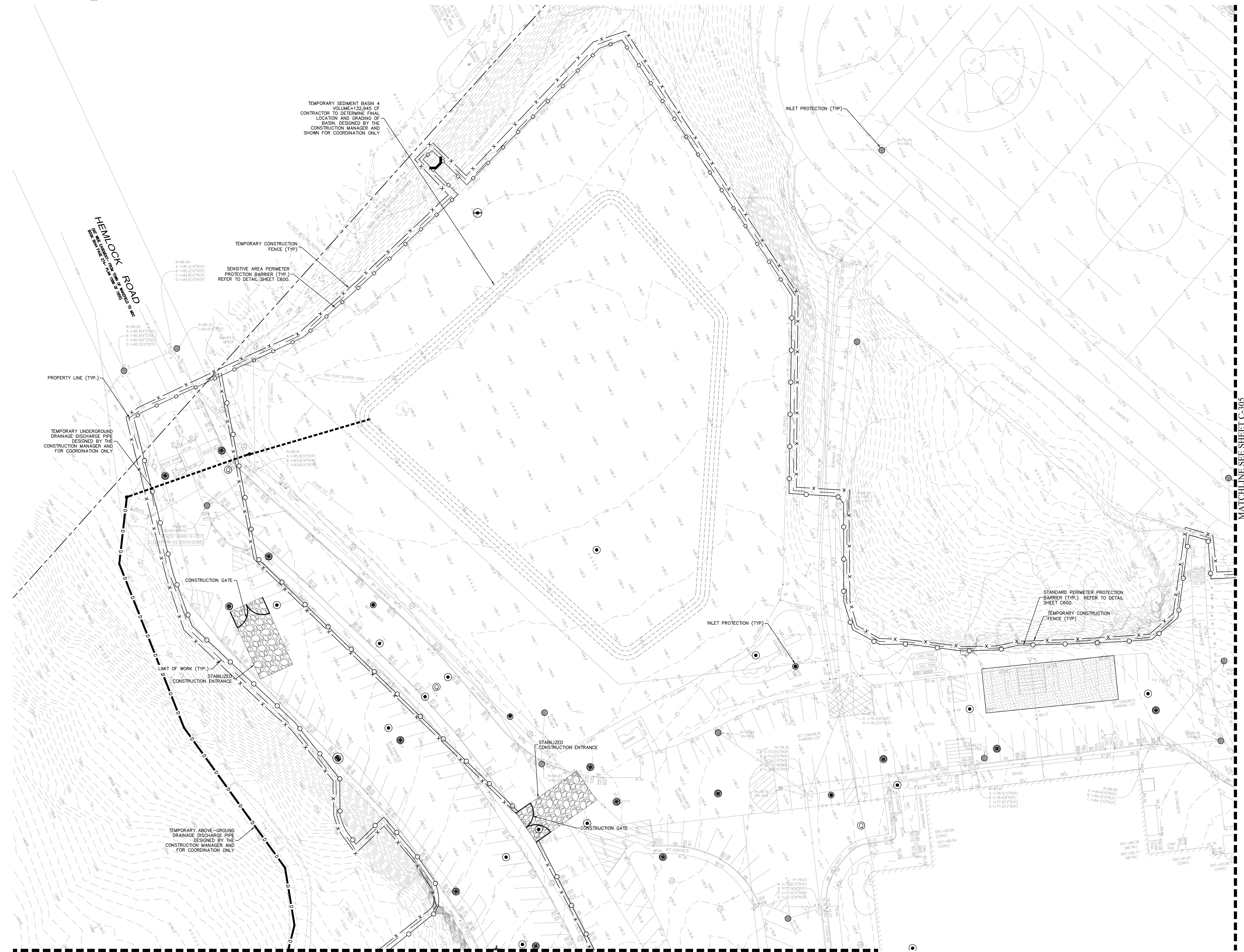
Date: JANUARY 13, 2023

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



MATCHLINE SEE SHEET C-305

MATCHLINE SEE SHEET C-303

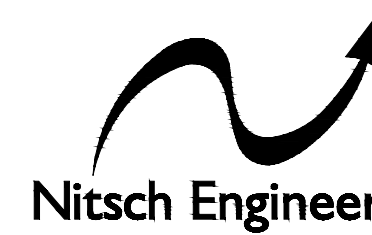
SCALE:
1" = 20'
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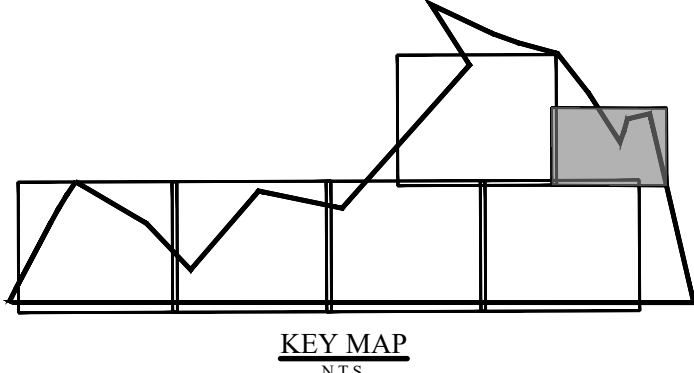
EARLY SITE
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CONTRACT
DOCUMENTS

JANUARY 13, 2023

**SEDIMENTATION
AND EROSION
CONTROL PLAN V**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-304

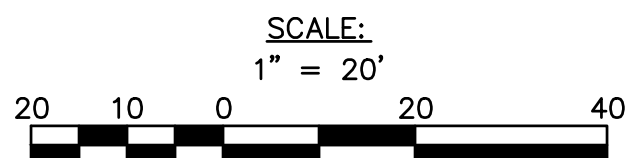


- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY
 - 3) REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS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



MATCHLINE SEE SHEET C-304

MATCHLINE SEE SHEET C-303



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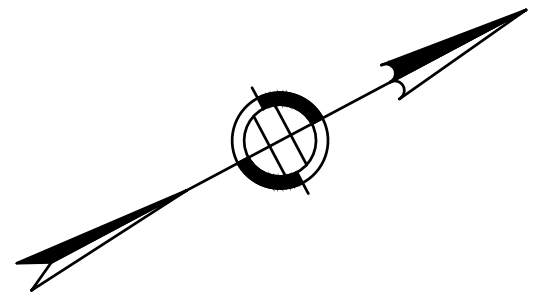
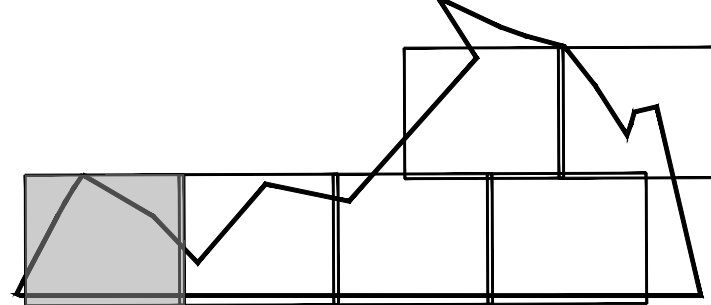
**EARLY SITE
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JANUARY 13, 2023

**SEDIMENTATION
AND EROSION
CONTROL PLAN VI**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-305

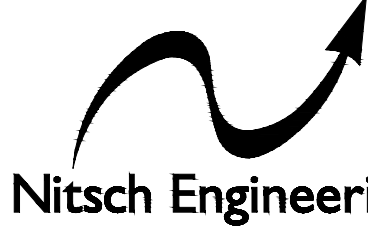


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MATCHLINE SEE SHEET C-401

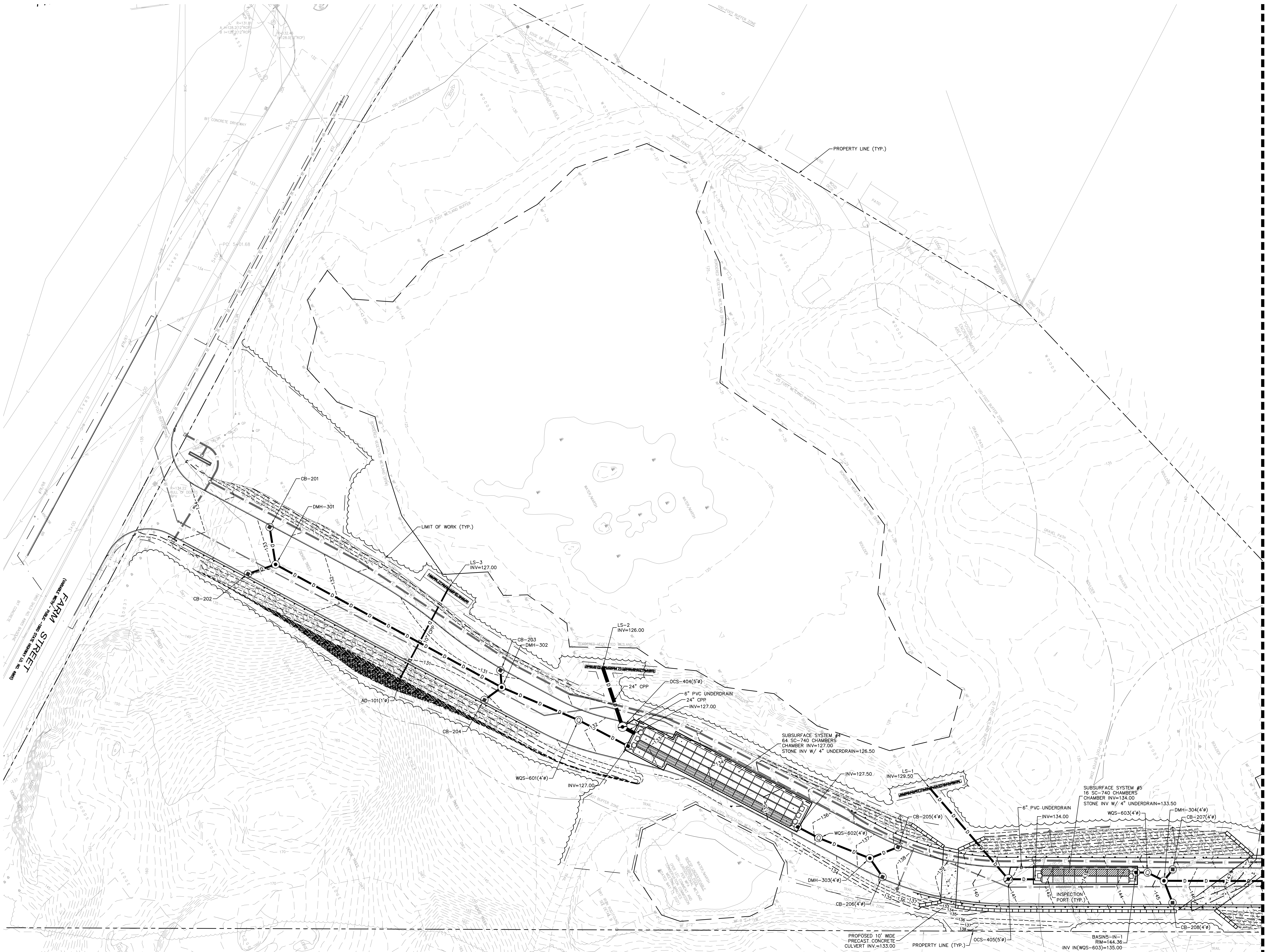
EARLY SITE
PREPARATION
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JANUARY 13, 2023

DRAINAGE PLAN I

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-400

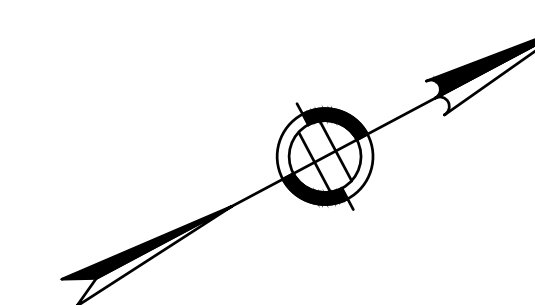
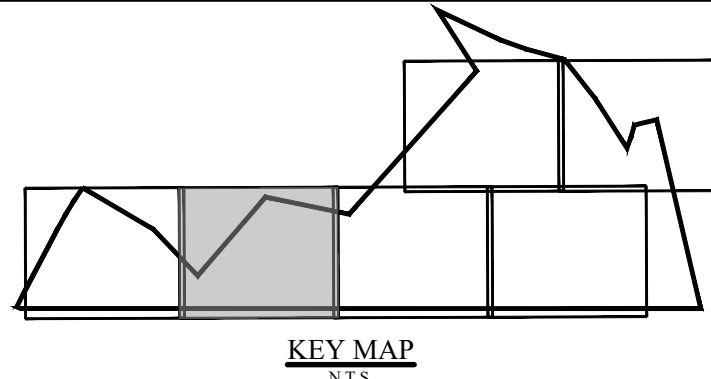


LEVEL SPREADER INSTALLATION NOTES:
1. CONTRACTOR TO MARK OUT ROUTE PRIOR TO EXCAVATION.
2. TREES SHOULD BE AVOIDED TO THE GREATEST EXTENT PRACTICABLE.
3. CONTRACTOR TO NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT IF TREE REMOVAL DUE TO THE LEVEL SPREADER INSTALLATION IS ANTICIPATED.

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. 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" = 20'
20 10 0 20 40

PLANS: 01/13/2023 10:30 AM
LAST SAVE: 01/13/2023 10:30 AM
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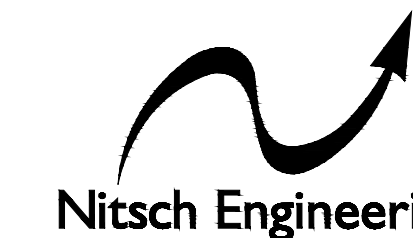
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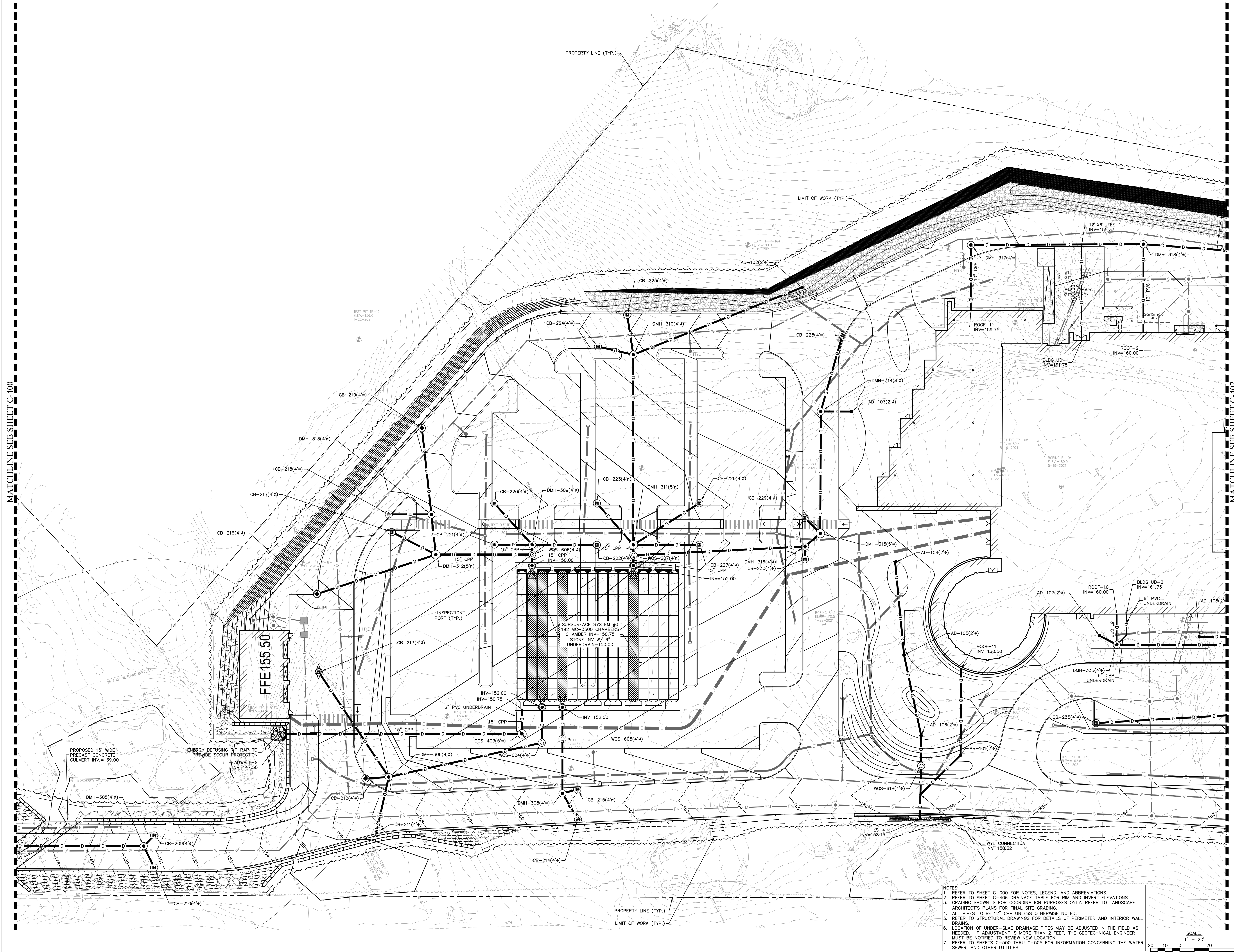
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MATCHLINE SEE SHEET C-400

MATCHLINE SEE SHEET C-402

DATE: JANUARY 13, 2023
DRAWN BY: WL
CHECKED BY: JLD
APPROVED BY: JLD



- 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. 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'

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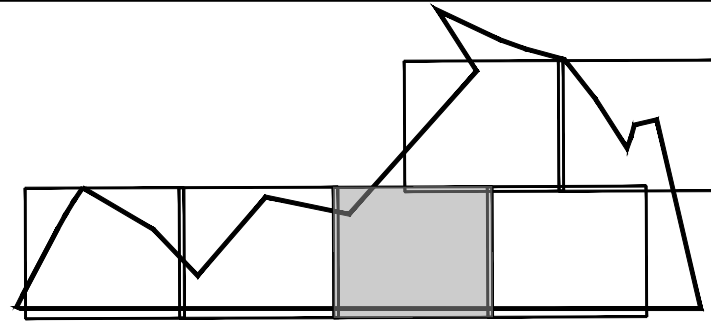
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JANUARY 13, 2023

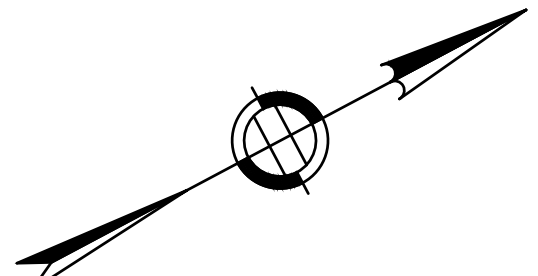
DRAINAGE PLAN II

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-401



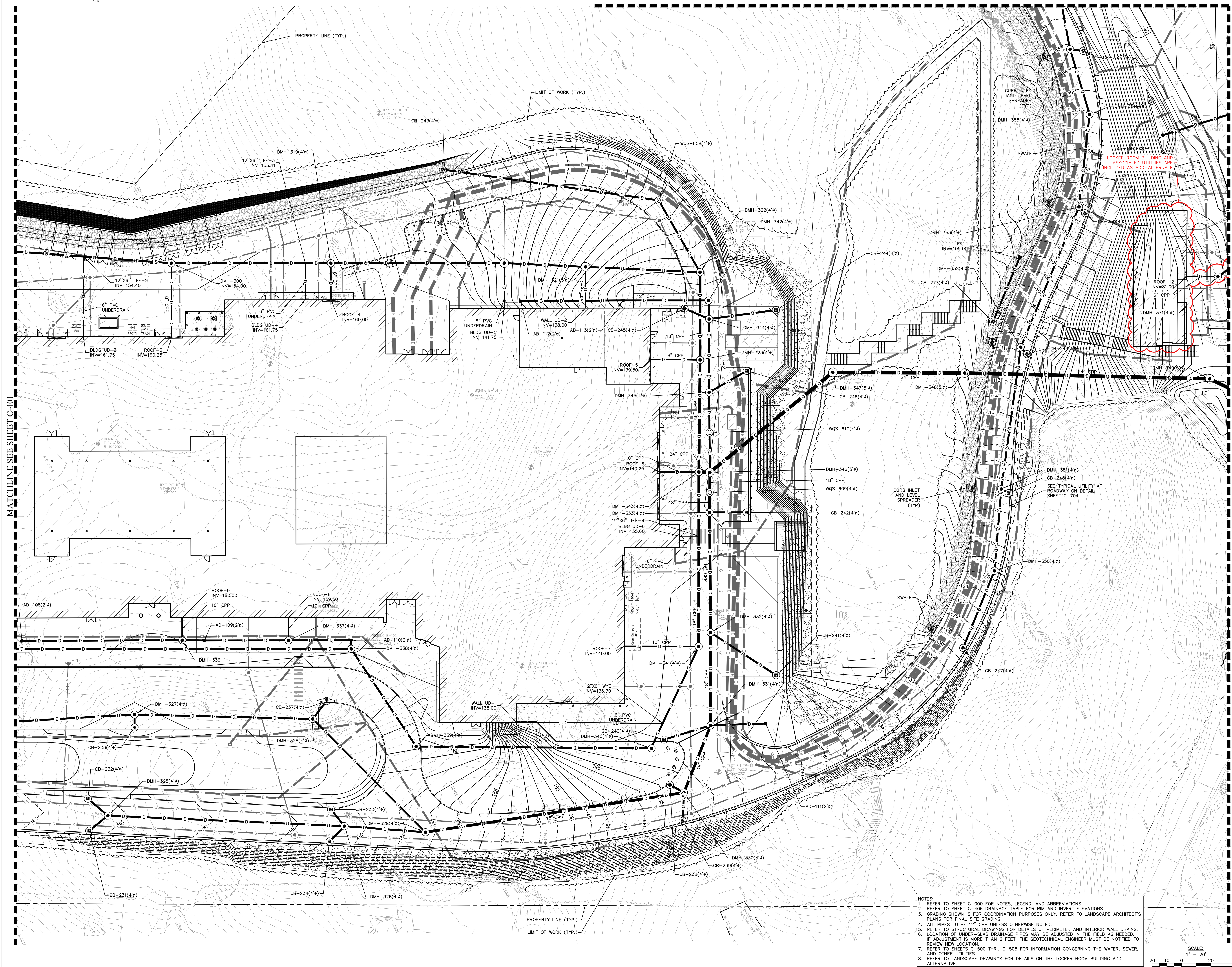
KEY MAP
SITE



MATCHLINE SEE SHEET C-404

MATCHLINE SEE SHEET C-401

MATCHLINE SEE SHEET C-403



NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
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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.
8. REFER TO LANDSCAPE DRAWINGS FOR DETAILS ON THE LOCKER ROOM BUILDING ADD ALTERNATIVE.

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

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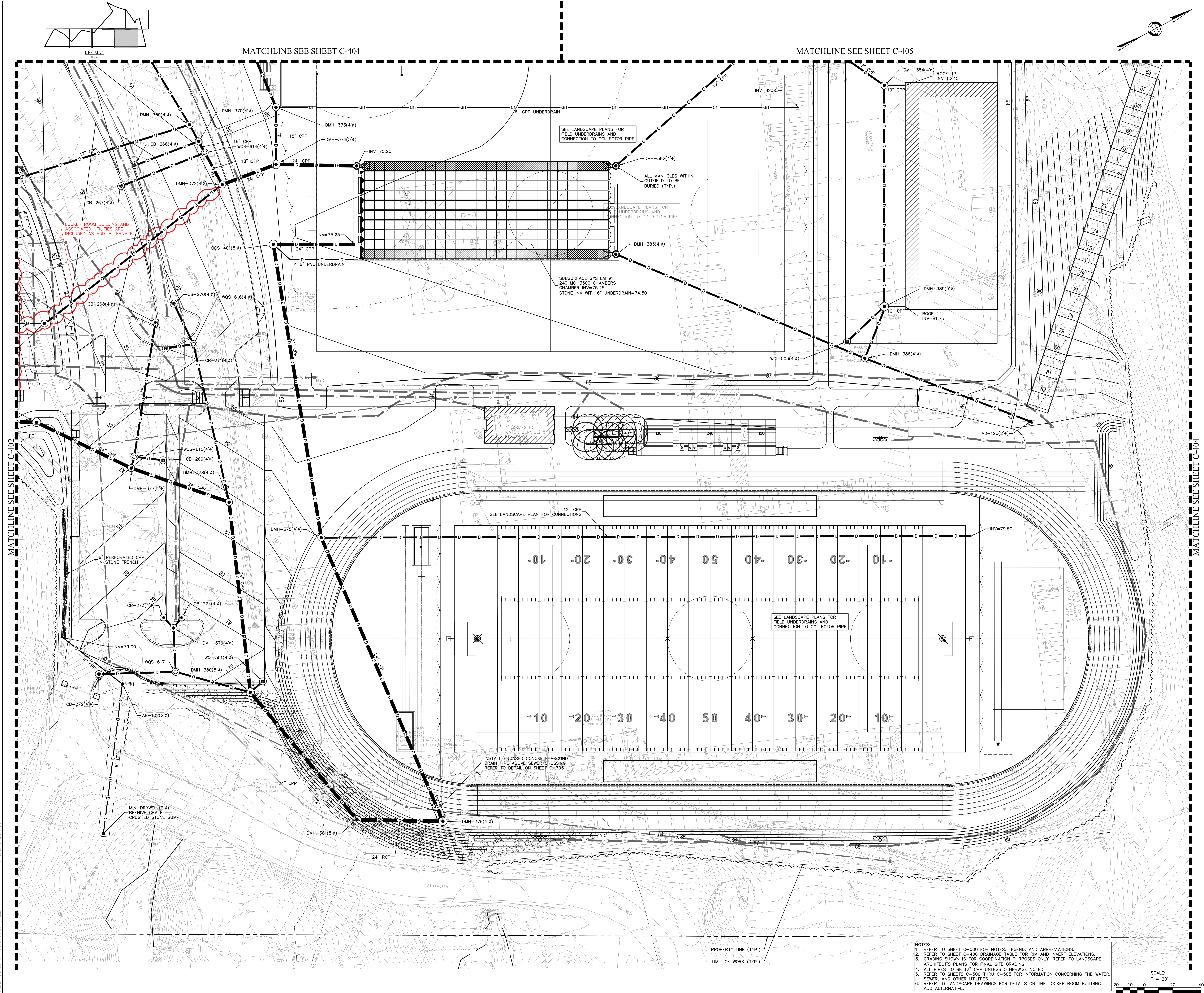
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DRAINAGE PLAN III

Scale: AS NOTED
Job No.: 13872
Drawn By: WIL
Date: JANUARY 13, 2023

C-402



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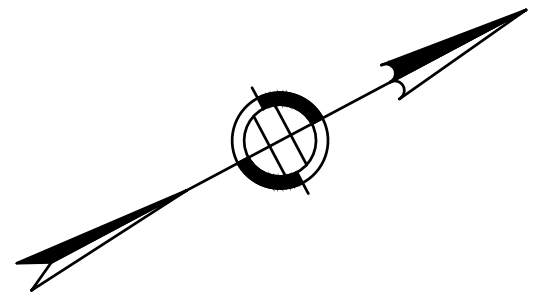
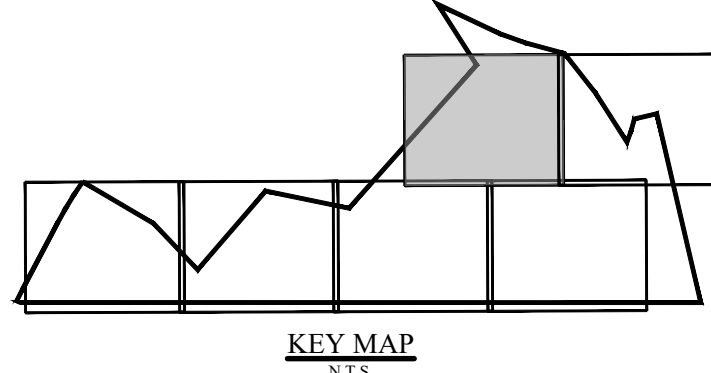
EARLY SITE
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JANUARY 13, 2023

DRAINAGE PLAN IV

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-403

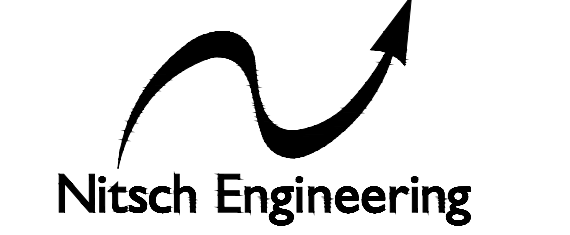


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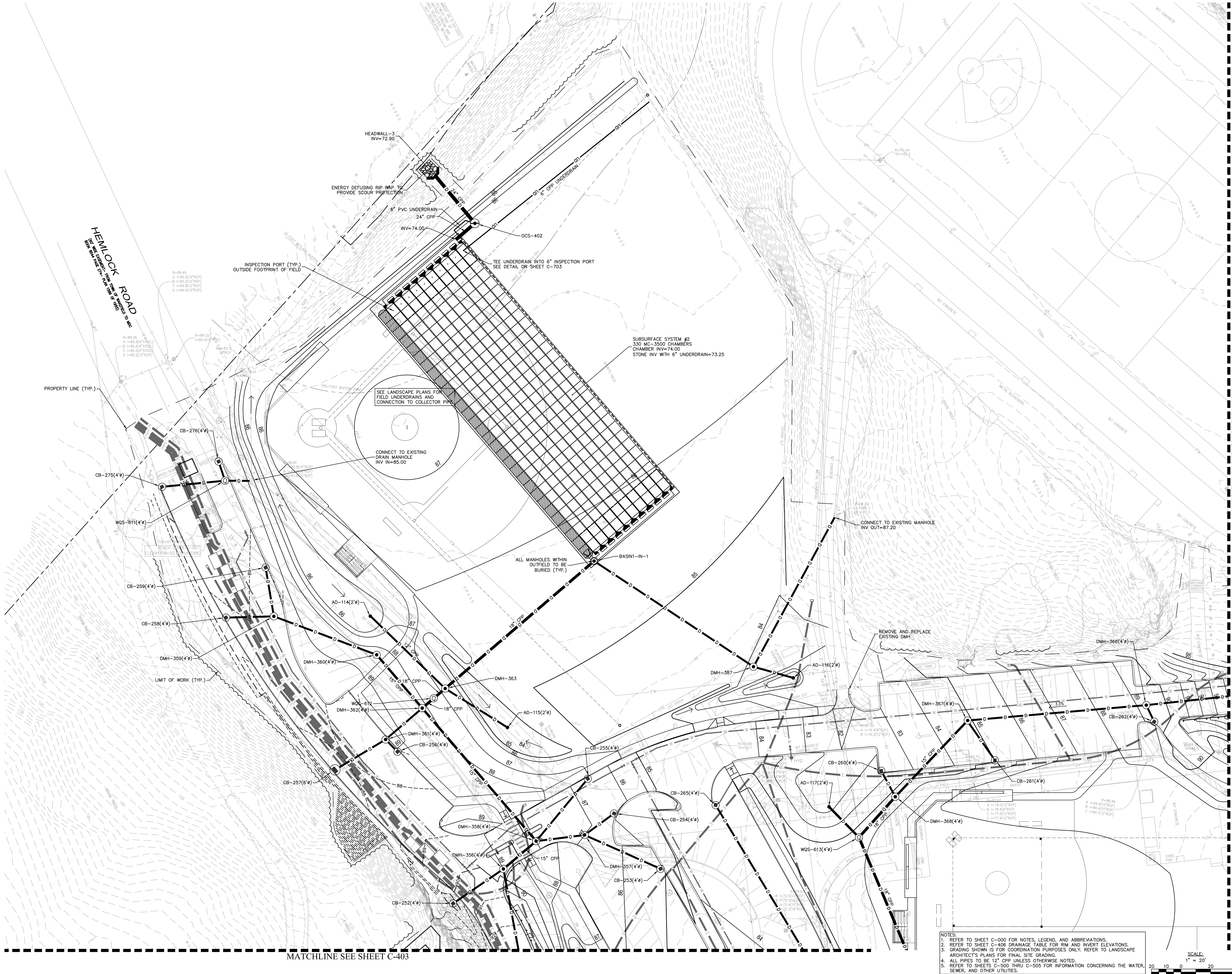
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JANUARY 13, 2023

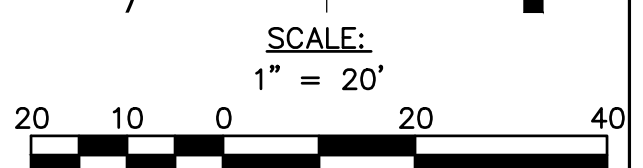
DRAINAGE PLAN V

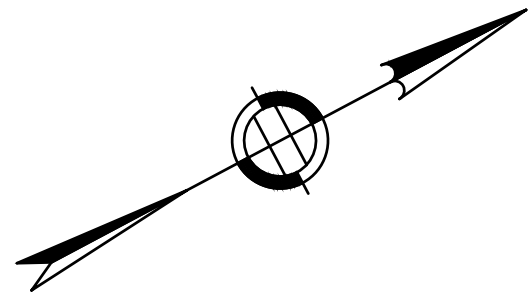
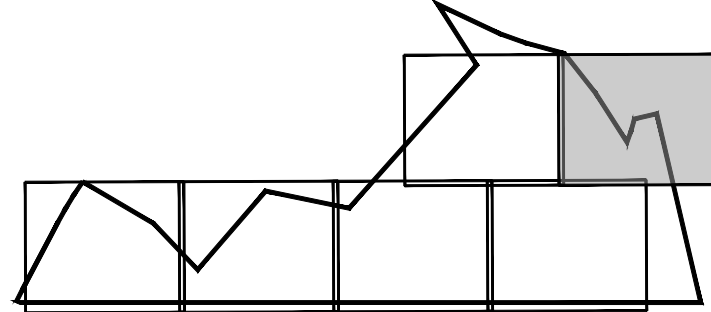
Scale: AS NOTED
Job No.: 13872
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Date: JANUARY 13, 2023

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- NOTES:
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DRAINAGE PLAN VI

Scale: AS NOTED

Job No.: 13872

Drawn By: WL

Date: JANUARY 13, 2023

C-405

NOTES:

1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
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STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
12"x6" TEE-1	155.33 (DMH-317) 155.65 (BLDG UD-1)	155.33 (DMH-318)	156.50	
12"x6" TEE-2	154.40 (DMH-318) 154.40 (BLDG UD-3)	154.40 (DMH-300)	155.56	
12"x6" TEE-3	153.41 (DMH-300) 153.41 (BLDG UD-4)	153.41 (DMH-319)	154.58	
12"x6" TEE-4	134.87 (DMH-341) 136.70 (BLDG UD-6)	134.87 (DMH-343)	136.59	
12"x6" WYE	136.70 (DMH-340) 136.70 (WALL UD-1)	136.70 (DMH-341)	137.86	
AB-100	161.53 (BLDG UD-2)	161.53 (DMH-335)	162.70	
AB-101	159.20 (ROOF-11)	159.20 (WYE CONNECTION)	165.30	
AB-102	78.50 (ST-OUT)	78.40 (MINI DRYWELL)	80.10	
AD-101		127.50 (LS-3)	129.00	
AD-102		159.00 (DMH-310)	160.80	
AD-103		159.00 (DMH-314)	163.00	
AD-104		158.50 (AD-105)	162.50	
AD-105	157.60 (AD-104)	159.45 (AD-106)	162.45	
AD-106	159.00 (AD-105)	158.90 (WQS-618)	162.40	
AD-107		158.65 (DMH-335)	161.15	
AD-108		158.65 (DMH-336)	161.15	
AD-109	156.00 (DMH-336)	155.90 (DMH-337)	161.50	
AD-110	155.00 (DMH-337)	154.90 (DMH-338)	161.50	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
AD-111		138.00 (DMH-331)	142.00	
AD-112		139.50 (AD-113)	143.00	
AD-113	139.10 (AD-112)	139.00 (DMH-342)	143.25	
AD-114		81.00 (DMH-363)	85.00	
AD-115		80.00 (DMH-363)	83.00	
AD-116		77.60 (DMH-387)	81.00	
AD-117		79.00 (WQS-613)	82.50	
AD-118		80.00 (DMH-369)	82.50	
AD-119		80.50 (DMH-382)	84.50	
AD-120		78.90 (DMH-386)	82.90	
BASIN1-IN-1	76.25 (DMH-363) 76.00 (DMH-387)		85.60	
BASIN1-OUT		75.25 (OCS-401)	77.52	
BASIN2-IN-1	75.25 (DMH-374)		80.07	
BASIN2-OUT		74.00 (OCS-402)	76.27	
BASIN3-IN-1	150.00 (WQS-606)		158.20	
BASIN3-IN-2	152.00 (WQS-607)		156.02	
BASIN3-IN-3	152.00 (WQS-604)		161.50	
BASIN3-IN-4	152.00 (WQS-605)		161.80	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
BASIN3-OUT		150.75 (OCS-403)	151.91	
BASIN4-IN-1	127.00 (WQS-601)		132.60	
BASIN4-IN-2	127.50 (WQS-602)		135.70	
BASIN4-OUT		127.00 (OCS-404)	127.93	
BASIN5-IN-1	135.00 (WQS-603)		144.36	
BASIN5-OUT		134.00 (OCS-405)	135.16	
BLDG UD-1		161.75 (12"x6" TEE-1)	162.29	
BLDG UD-2		161.75 (AB-100)	162.29	
BLDG UD-3		161.75 (12"x6" TEE-2)	-2.97	
BLDG UD-4		161.75 (12"x6" TEE-3)	158.79	
BLDG UD-5		141.75 (DMH-320)	138.54	
BLDG UD-6		135.80 (12"x6" TEE-4)	136.14	
CB-201		130.25 (DMH-301)	132.82	
CB-202		130.30 (DMH-301)	133.03	
CB-203		127.50 (DMH-302)	130.50	
CB-204		127.50 (DMH-302)	130.50	
CB-205		128.90 (DMH-303)	137.66	
CB-206		128.80 (DMH-303)	137.60	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
CB-207		140.20 (DMH-304)	144.50	
CB-208		140.30 (DMH-304)	144.57	
CB-209		145.70 (DMH-305)	150.30	
CB-210		145.85 (DMH-305)	150.72	
CB-211		154.00 (DMH-306)	156.50	
CB-212		153.75 (DMH-306)	156.10	
CB-213		154.25 (DMH-306)	156.44	
CB-214		155.65 (DMH-308)	160.96	
CB-215		155.80 (DMH-308)	160.96	
CB-216		152.50 (DMH-312)	154.80	
CB-217		152.00 (DMH-312)	155.50	
CB-218		152.55 (DMH-313)	156.82	
CB-219		152.85 (DMH-313)	158.20	
CB-220		153.00 (DMH-309)	157.05	
CB-221		152.50 (DMH-309)	157.00	
CB-222		154.75 (DMH-309)	158.75	
CB-223		154.75 (DMH-311)	158.75	
CB-224		158.10 (DMH-310)	162.10	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
CB-225		158.80 (DMH-310)	162.80	
CB-226		156.50 (DMH-311)	160.50	
CB-227		156.50 (DMH-311)	160.50	
CB-228		159.00 (DMH-314)	162.70	
CB-229		158.00 (DMH-315)	162.00	
CB-230		157.50 (DMH-316)	161.50	
CB-231		158.00 (DMH-325)	162.00	
CB-232		158.00 (DMH-325)	162.00	
CB-233		155.30 (DMH-326)	159.30	
CB-234		155.30 (DMH-326)	159.30	
CB-235		157.25 (DMH-327)	161.25	
CB-236		157.25 (DMH-327)	161.20	
CB-237		158.00 (DMH-328)	162.00	
CB-238		140.10 (DMH-330)	144.10	
CB-239		139.00 (DMH-330)	144.00	
CB-240		138.25 (DMH-331)	142.85	
CB-241		138.20 (DMH-332)	142.20	
CB-242		138.50 (DMH-333)	142.50	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
CB-243		149.75 (WQS-608)	153.75	
CB-244		138.90 (DMH-344)	142.90	
CB-245		138.30 (DMH-344)	143.10	
CB-246		138.75 (DMH-345)	142.75	
CB-247		125.50 (DMH-350)	129.50	
CB-248		116.00 (DMH-351)	119.76	
CB-249		107.10 (DMH-352)	110.88	
CB-250		97.55 (DMH-353)	101.40	
CB-251		89.40 (DMH-355)	93.29	
CB-252		85.00 (DMH-356)	89.50	
CB-253		81.85 (DMH-357)	85.00	
CB-254		82.55 (DMH-357)	86.55	
CB-255		82.80 (DMH-358)	86.50	
CB-256		83.50 (DMH-361)	87.52	
CB-257		83.50 (DMH-361)	87.82	
CB-258		85.50 (DMH-359)	88.84	
CB-259		85.50 (DMH-359)	88.76	
CB-260		78.70 (DMH-368)	82.30	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
CB-261		81.00 (DMH-367)	85.00	
CB-262		85.40 (DMH-366)	89.40	
CB-263		95.30 (DMH-365)	99.80	
CB-264		95.50 (DMH-365)	99.87	
CB-265		80.50 (DMH-369)	84.00	
CB-266		78.80 (DMH-370)	82.30	
CB-267		78.90 (WQS-614)	82.40	
CB-268		78.05 (WQS-615)	82.05	
CB-269		77.75 (WQS-615)	81.75	
CB-270		78.25 (WQS-616)	81.75	
CB-271		78.30 (WQS-616)	82.30	
CB-272		76.00 (WQS-617)	80.50	
CB-273		74.50 (DMH-379)	78.50	
CB-274		74.50 (DMH-379)	78.50	
CB-275		86.60 (WQS-611)	90.74	
CB-276		85.60 (WQS-611)	90.05	
CB-277		106.00 (FE-1)	109.00	
DMH-300	154.00 (ROOF-3) 154.00 (12"x6" TEE-2)	154.00 (12"x6" TEE-3)	162.40	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
DMH-301	130.00 (CB-201) 130.00 (CB-202)	128.65 (DMH-302)	132.90	
DMH-302	127.95 (DMH-301) 127.95 (CB-204) 127.95 (CB-205)	127.95 (WQS-601)	131.15	
DMH-303	128.50 (CB-206) 128.50 (CB-205)	128.50 (WQS-602)	137.33	
DMH-304	140.00 (CB-207) 140.00 (CB-208) 136.00 (DMH-305)	135.45 (WQS-603)	145.24	
DMH-305	145.50 (CB-209) 145.50 (CB-210)	145.00 (DMH-304)	150.56	
DMH-306	153.35 (CB-211) 153.35 (CB-213) 153.35 (CB-212)	153.35 (WQS-604)	158.00	
DMH-308	155.00 (CB-214) 155.50 (CB-215)	153.90 (WQS-605)	160.74	
DMH-309	152.50 (CB-220) 152.10 (CB-221) 154.00 (CB-222)	150.35 (WQS-606)	157.80	
DMH-310	158.25 (CB-225) 157.80 (CB-224) 157.10 (AD-102)	157.10 (DMH-311)	162.70	
DMH-311	154.40 (DMH-310) 154.40 (CB-223) 155.50 (CB-226) 156.00 (CB-227)	152.40 (WQS-607)	159.40	
DMH-312	151.50 (CB-216) 151.50 (CB-217) 151.50 (DMH-313)	151.25 (WQS-606)	156.90	
DMH-313	151.95 (CB-219) 151.95 (CB-218)	151.95 (DMH-312)	156.90	
DMH-314	158.15 (CB-228) 158.60 (AD-103)	158.15 (DMH-315)	163.00	
DMH-315	156.90 (DMH-314) 157.90 (CB-229)	156.90 (DMH-316)	161.95	
DMH-316	156.70 (DMH-315) 157.30 (CB-230)	156.70 (WQS-607)	161.70	
DMH-317	158.85 (ROOF-1)	155.90 (12"x6" TEE-1)	163.50	
DMH-318	155.00 (12"x6" TEE-1) 156.00 (ROOF-2)	154.90 (12"x6" TEE-2)	162.50	
DMH-319	153.30 (12"x6" TEE-3) 156.00 (ROOF-4)	150.94 (DMH-320)	162.20	

STORM DRAINAGE - INVERT TABLE				
STRUCTURE	INV IN	INV OUT	RIM	
DMH-320	143.75 (DMH-319) 141.40 (BLDG UD-5)	141.40 (DMH-321)	158.40	
DMH-321	140.30 (DMH-320) 137.75 (WALL UD-2)	137.75 (DMH-322)	149.50	
DMH-322	136.60 (DMH-321) 127.50 (WQS-608)	136.20 (DMH-323)	144.77	
DMH-323	135.60 (ROOF-5) 135.60 (DMH-322)	135.50 (DMH-343)	143.10	
DMH-325	157.80 (CB-231) 157.80 (CB-232)	156.40 (DMH-326)	162.00	
DMH-326	153.10 (DMH-325) 155.00 (CB-233) 155.00 (CB-234)	153.00 (DMH-329)	158.80	
DMH-327	156.00 (CB-235) 157.00 (CB-236)	155.90 (DMH-328)	161.20	
DMH-328	153.60 (DMH-327) 157.70 (CB-237)	153.50 (DMH-329)	162.20	
DMH-329	150.50 (DMH-326) 152.50 (DMH-328)	147.00 (DMH-330)	157.40	



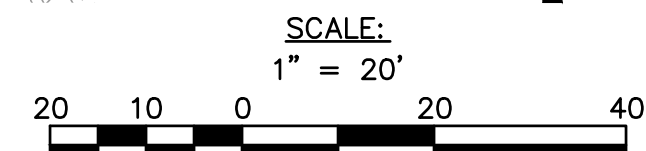
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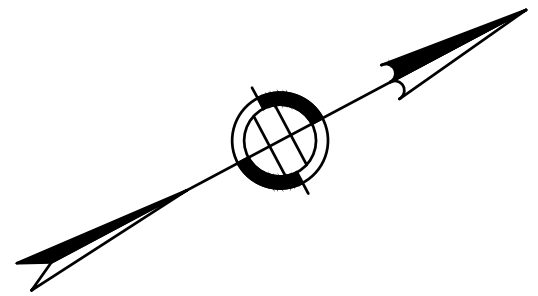


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C-500





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MATCHLINE SEE SHEET C-502

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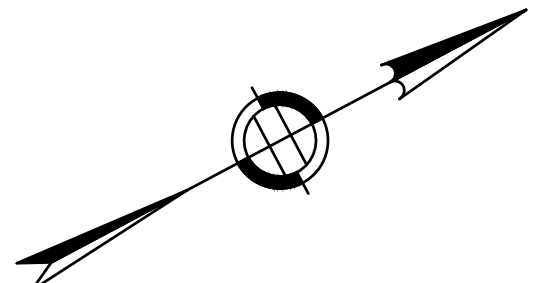
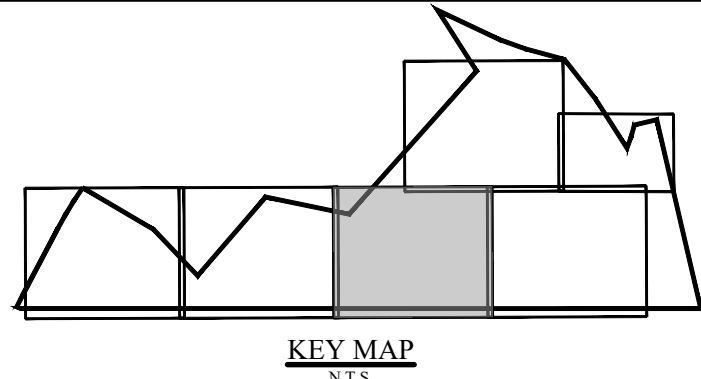
JANUARY 13, 2023

UTILITY SITE PLAN

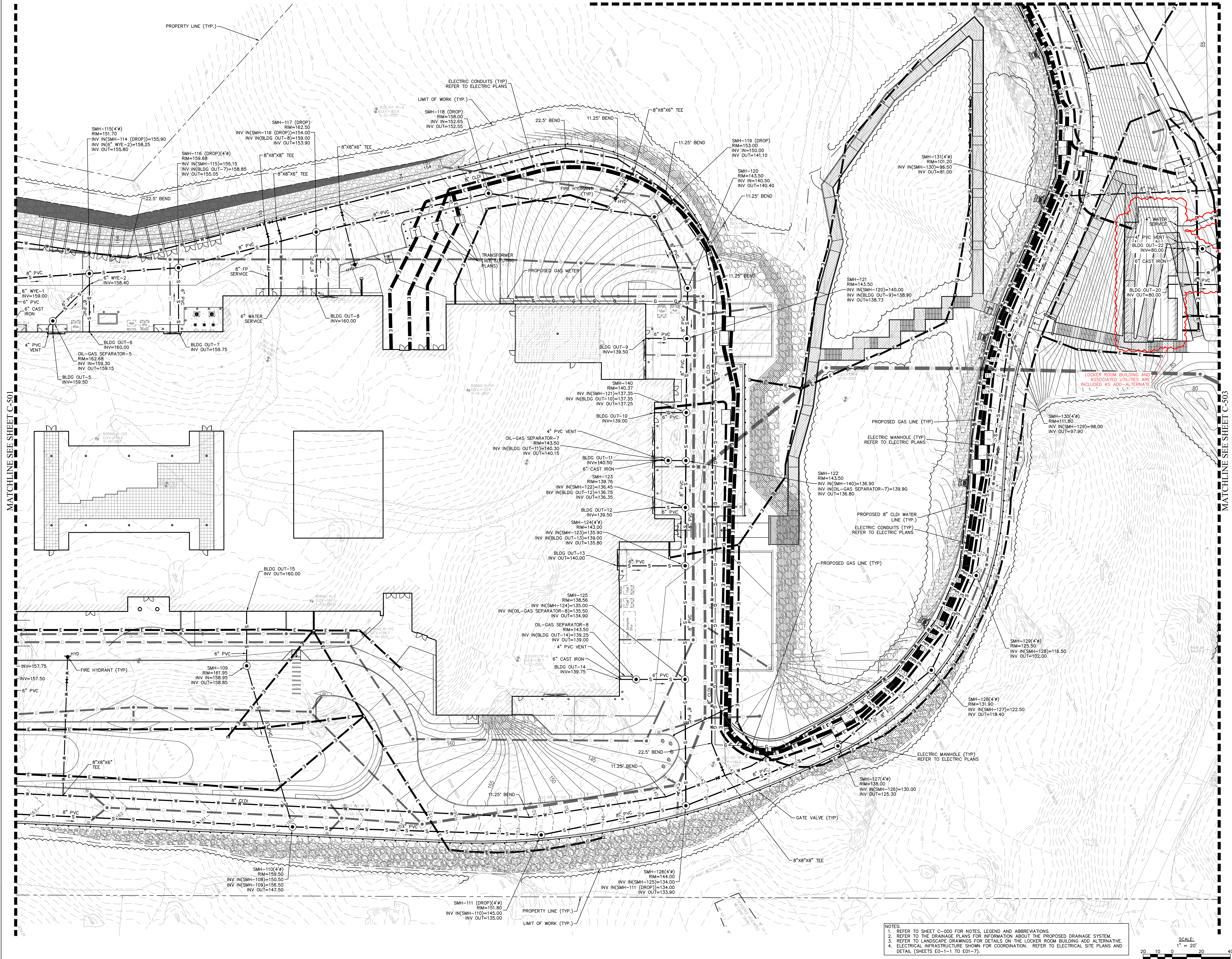
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Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-501

C-501



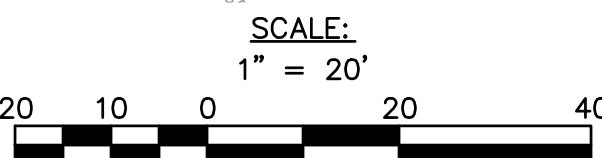
MATCHLINE SEE SHEET C-504



MATCHLINE SEE SHEET C-501

MATCHLINE SEE SHEET C-503

- 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 E01-7).



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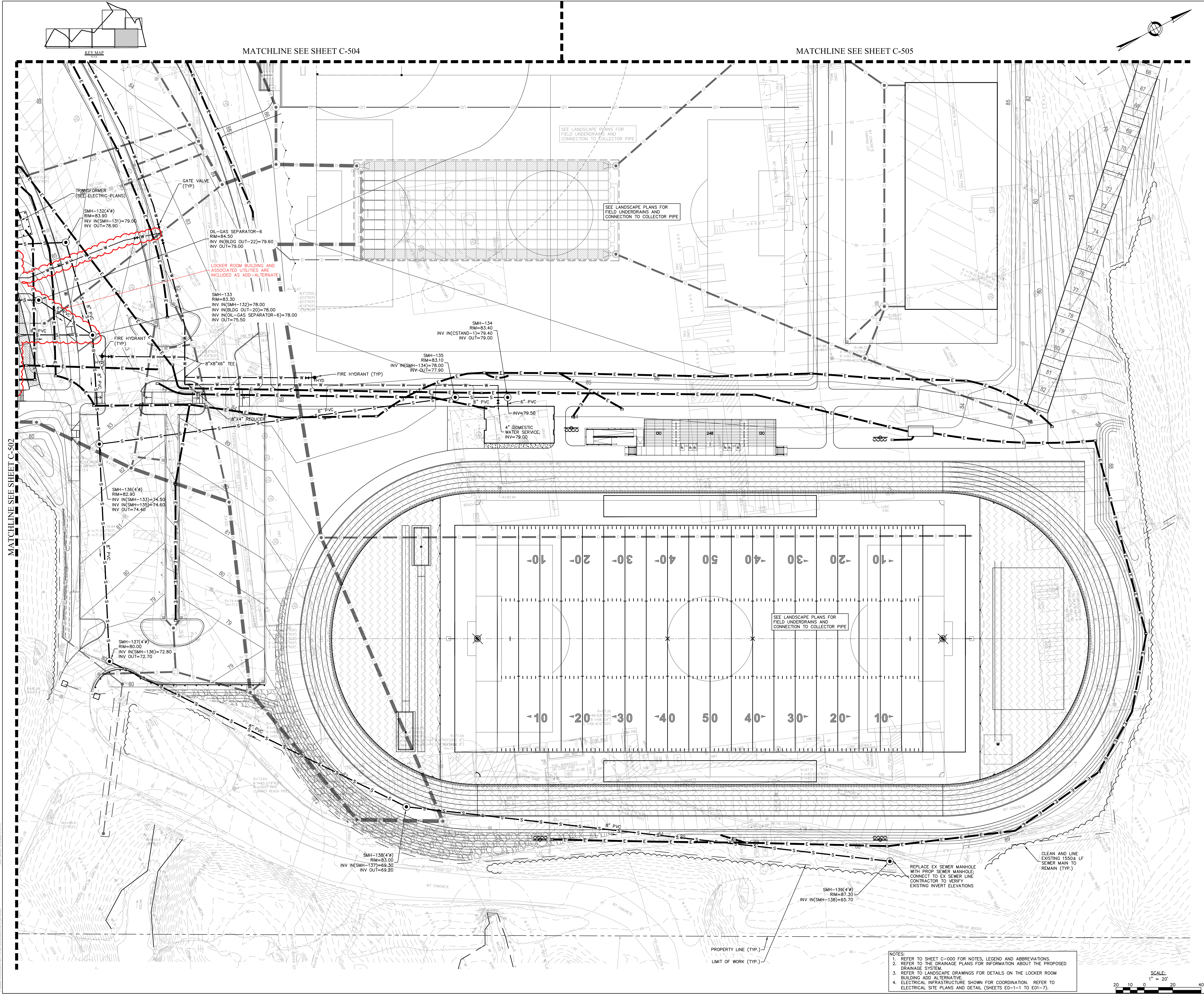
EARLY SITE
PREPARATION
CONTRACT
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JANUARY 13, 2023

UTILITY SITE PLAN
III

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-502



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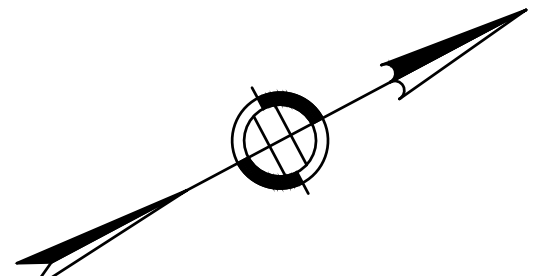
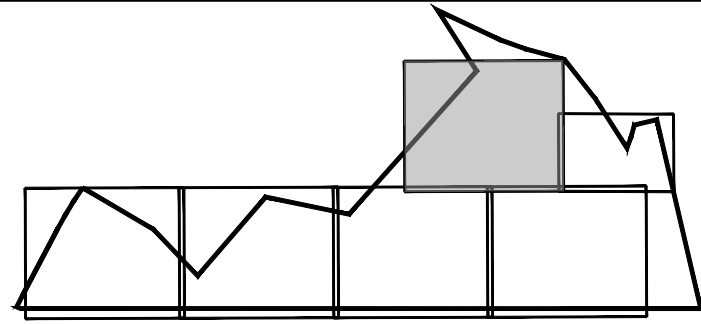
EARLY SITE
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JANUARY 13, 2023

UTILITY SITE PLAN
IV

Scale: AS NOTED
Job No.: 13872
Drawn By: WCL
Date: JANUARY 13, 2023

C-503

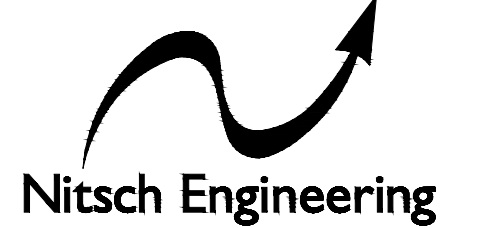


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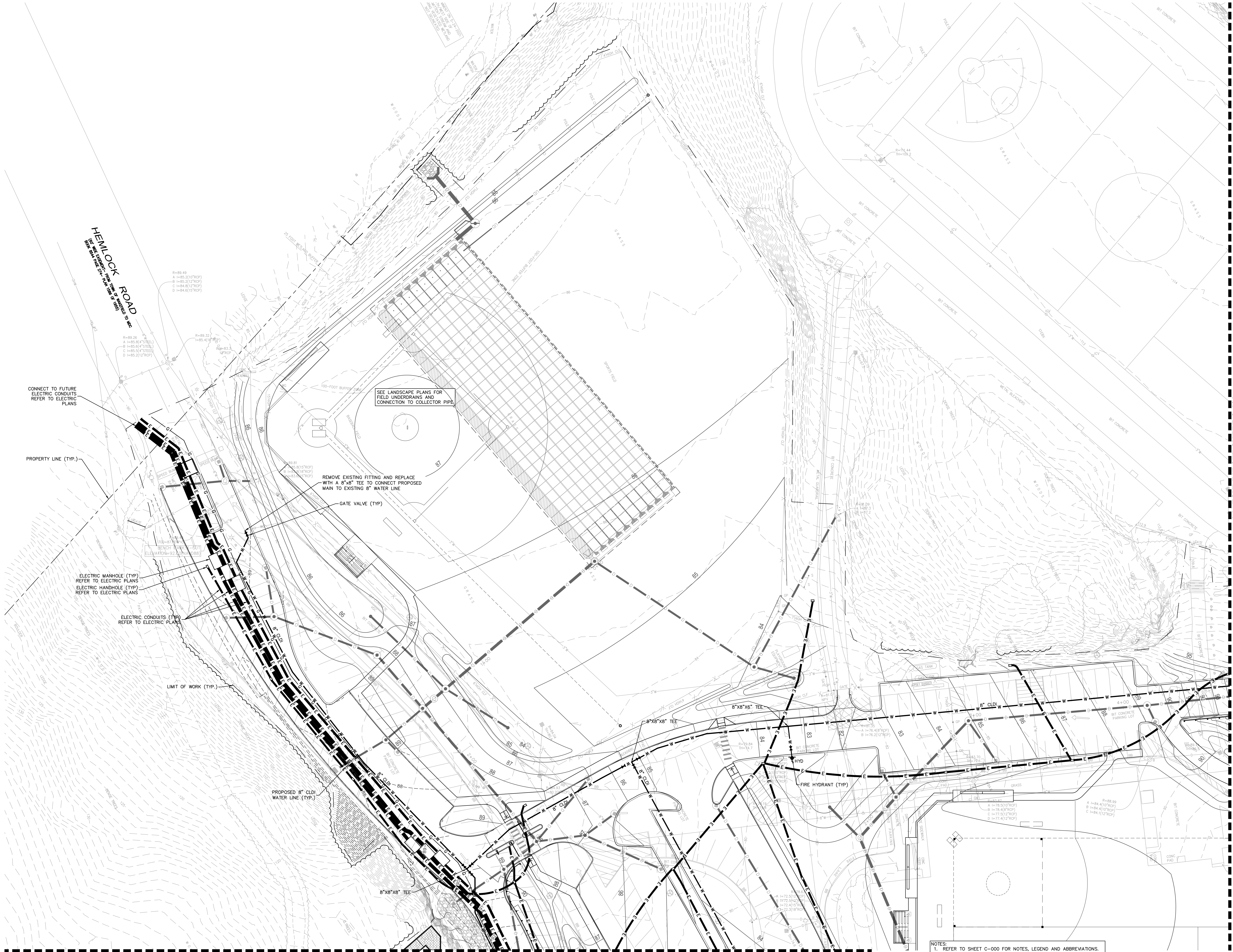
**EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS**

JANUARY 13, 2023

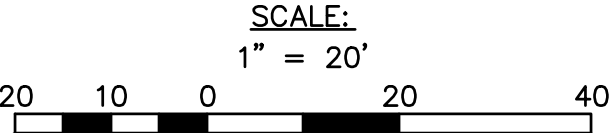
**UTILITY SITE PLAN
V**

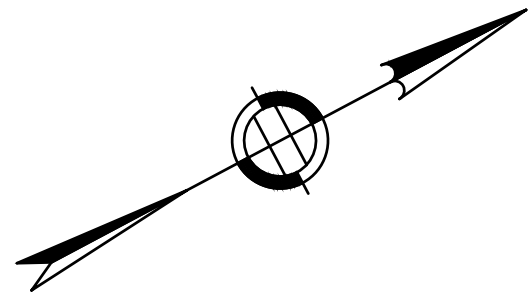
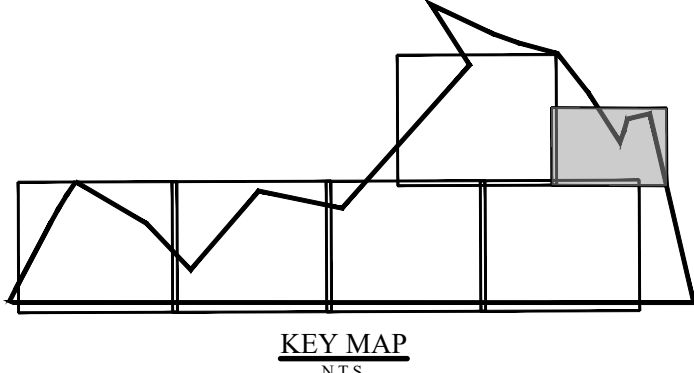
Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

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. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E0-1-1 TO E01-7).



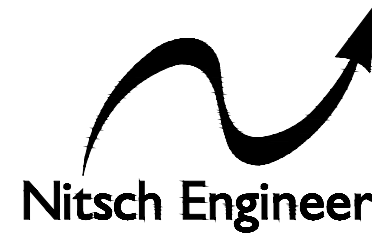


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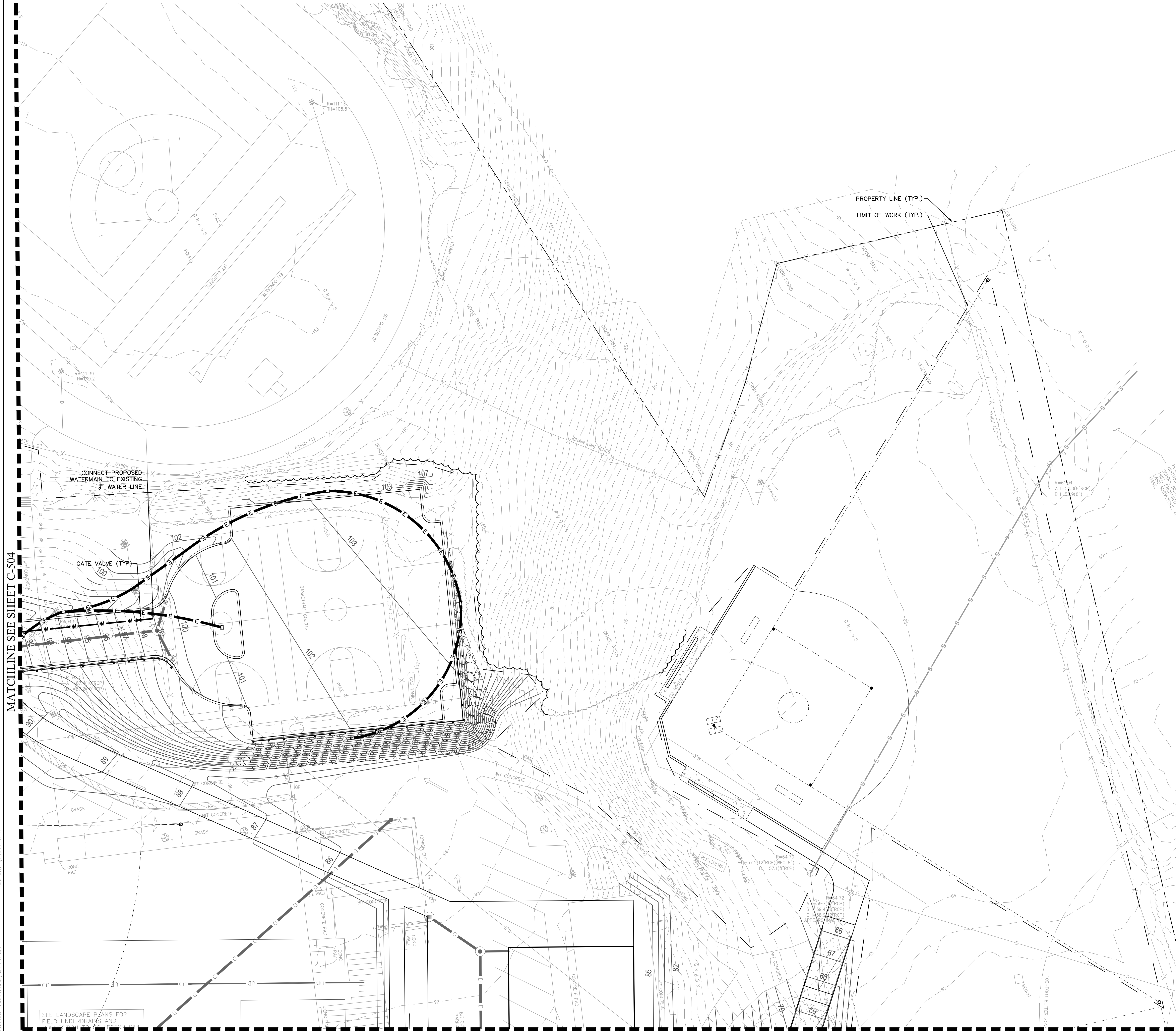
EARLY SITE
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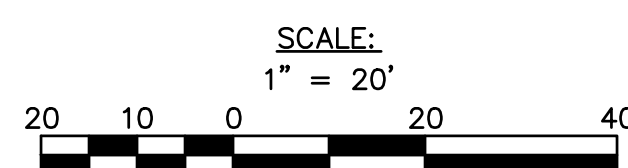
UTILITY SITE PLAN
VI

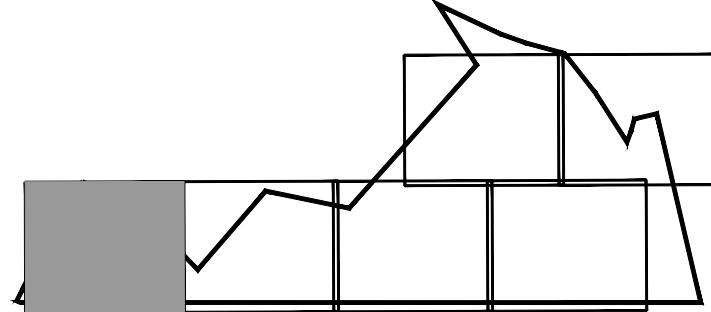
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Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-505

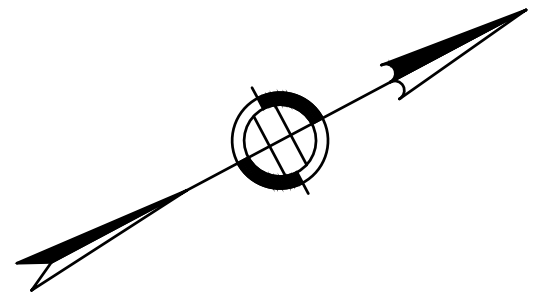


- NOTES:
1. REFER TO SHEET C-000 FOR NOTES, LEGEND AND ABBREVIATIONS.
 2. REFER TO THE DRAINAGE PLANS FOR INFORMATION ABOUT THE PROPOSED DRAINAGE SYSTEM.
 3. ELECTRICAL INFRASTRUCTURE SHOWN FOR COORDINATION. REFER TO ELECTRICAL SITE PLANS AND DETAIL (SHEETS E01-1 TO E01-7).





KEY MAP
S15



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

MATCHLINE SEE SHEET C-601

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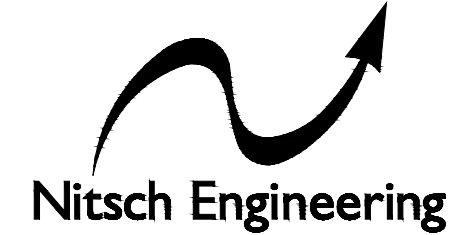
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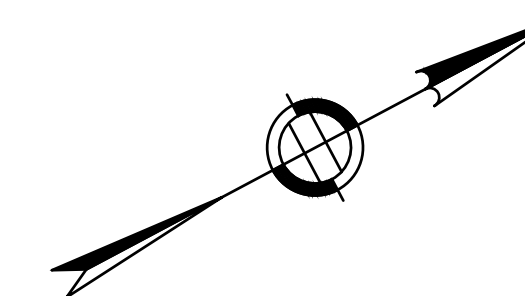
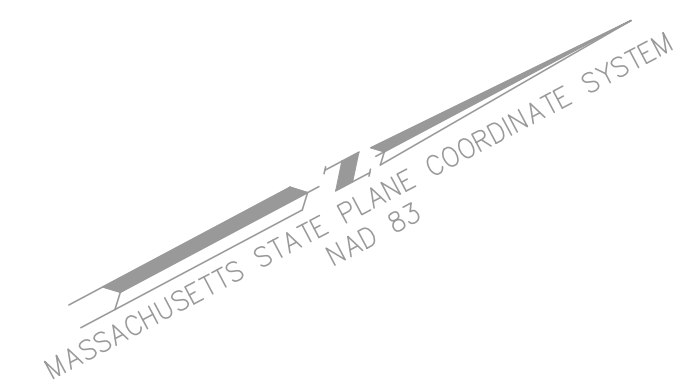
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CONTRACT
DOCUMENTS

JANUARY 13, 2023

DRIVEWAY
LAYOUT AND
GRADING PLAN I

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-600



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MATCHLINE SEE SHEET C-600

MATCHLINE SEE SHEET C 603

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JANUARY 13, 2023

DRIVEWAY LAYOUT AND GRADING PLAN II

Scale: AS NOTED

Job No.: 13872

Drawn By: WL

Date: JANUARY 13, 20

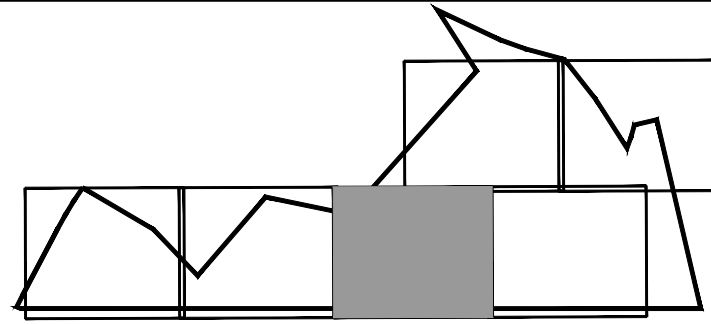
C-601

NOTES:

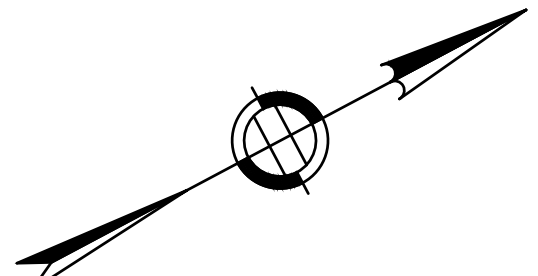
1. REFER TO SHEET C-000 FOR NOTES, LEGEND, AND ABBREVIATIONS.
2. GRADING SHOWN OUTSIDE OF DRIVEWAY PROFILE IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR FINAL SITE GRADING.
3. REFER TO SHEETS C-400 THRU C-406 FOR INFORMATION CONCERNING THE STORMWATER MANAGEMENT SYSTEM.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

SCALE

$$1'' = 2$$



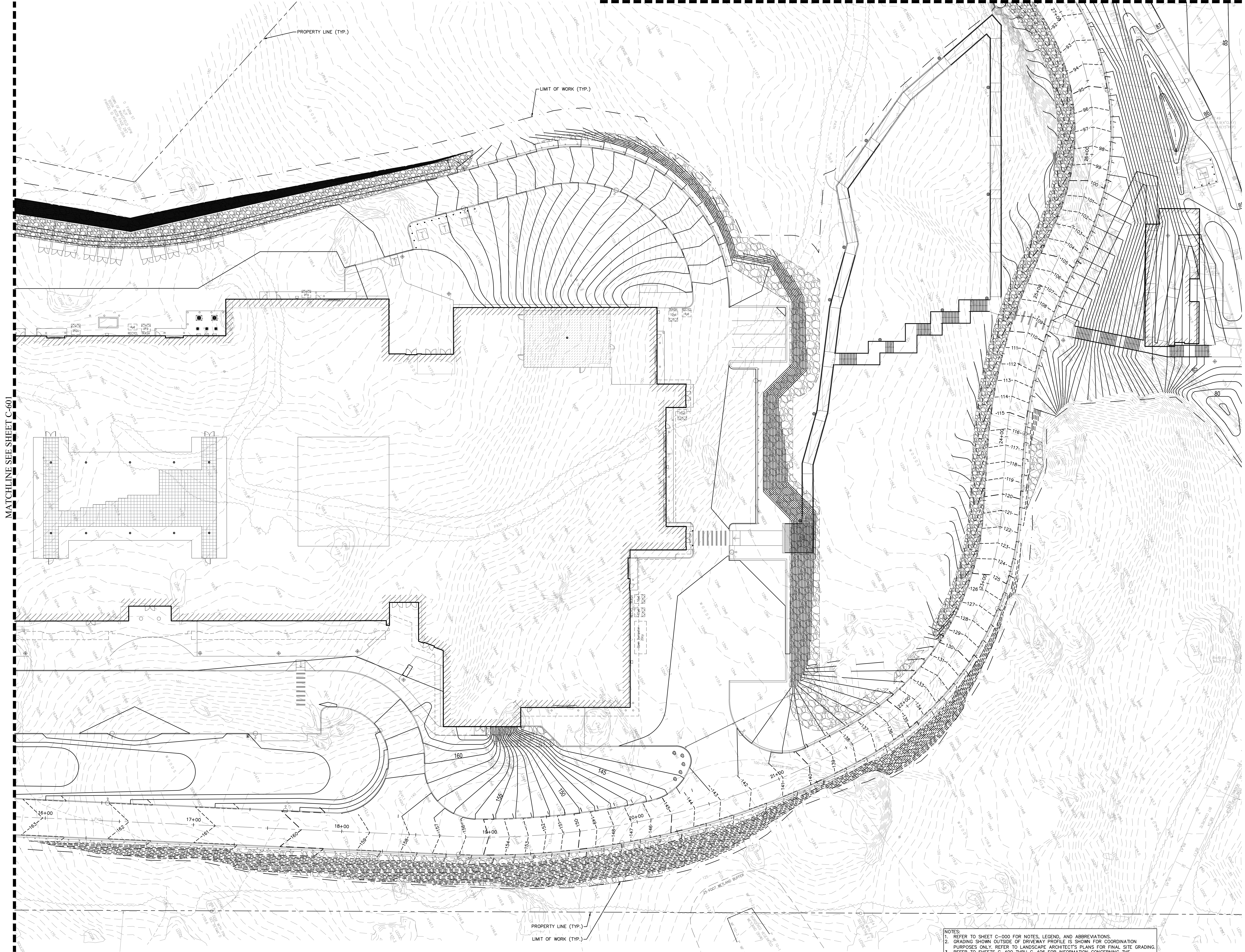
KEY MAP
S13



MATCHLINE SEE SHEET C-603

MATCHLINE SEE SHEET C-601

PLANNING AND DESIGN DIVISION, DRUMMEY ROSANE ANDERSON, INC.



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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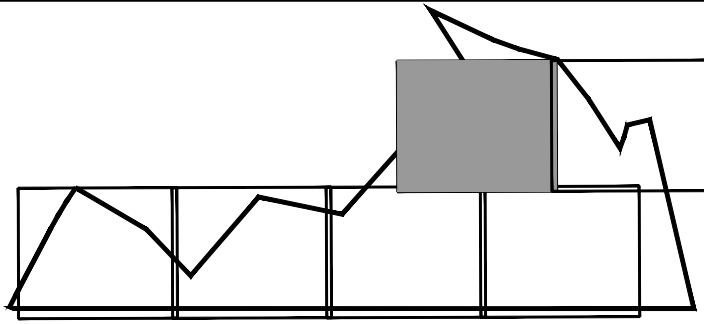
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JANUARY 13, 2023

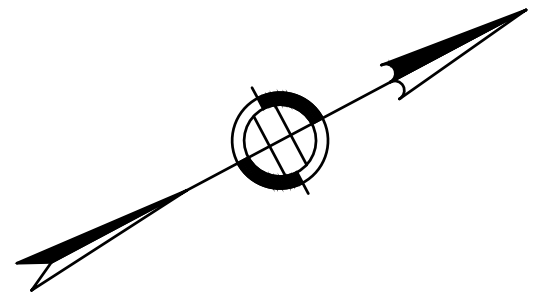
DRIVEWAY
LAYOUT AND
GRADING PLAN III

Scale: AS NOTED
Job No.: 13872
Drawn By: WJL
Date: JANUARY 13, 2023

C-602



KEY MAP
S15

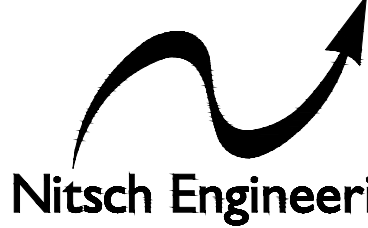


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JANUARY 13, 2023

**DRIVEWAY
LAYOUT AND
GRADING PLAN IV**

Scale: AS NOTED
Job No.: 13872
Drawn By: WCL
Date: JANUARY 13, 2023

C-603

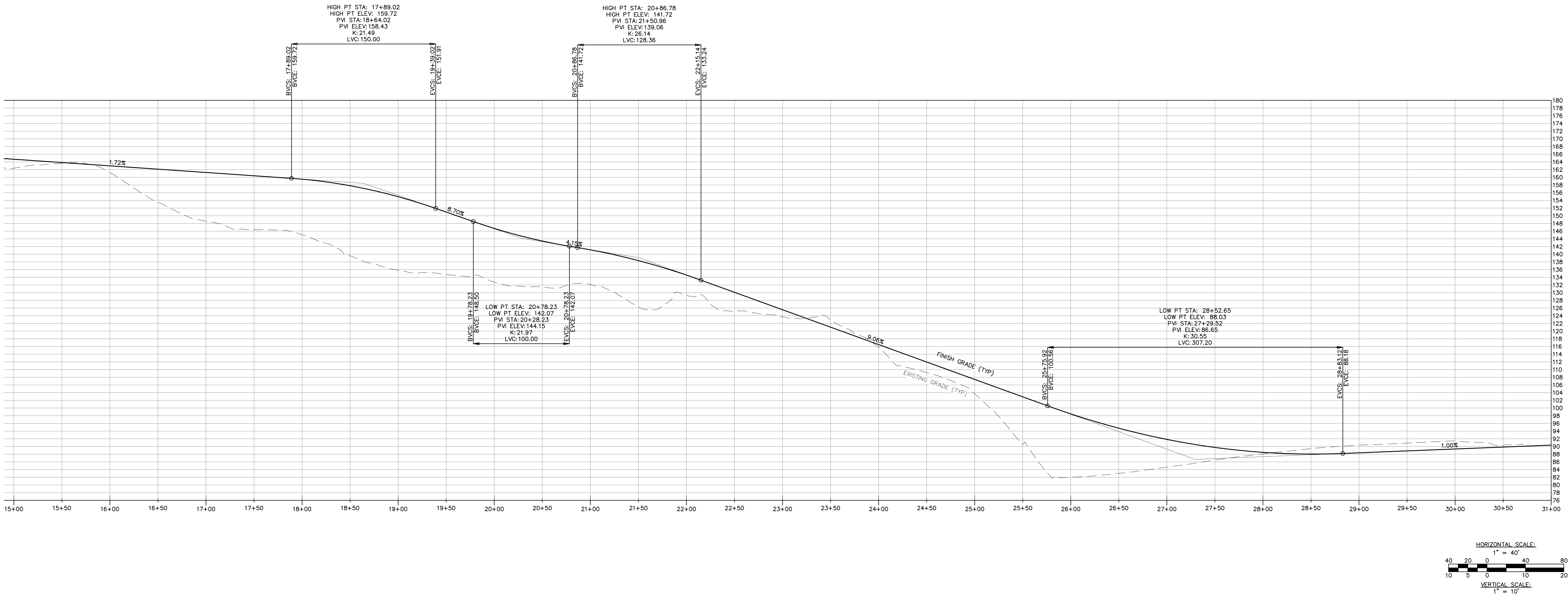
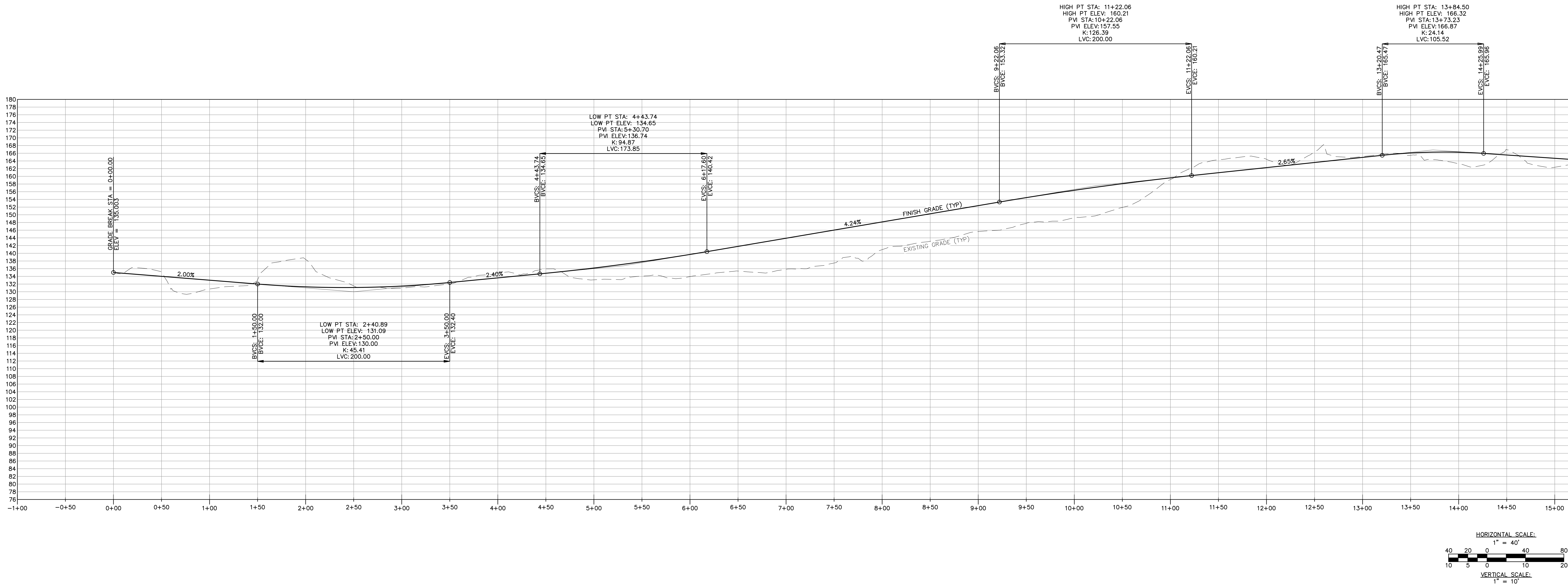


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 3. REFER TO SHEETS C-400 THRU C-406 FOR INFORMATION CONCERNING THE STORMWATER MANAGEMENT SYSTEM.
 4. REFER TO SHEETS C-500 THRU C-505 FOR INFORMATION CONCERNING THE WATER, SEWER, AND OTHER UTILITIES.

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

MATCHLINE SEE SHEET C-602

PLANNED BY: DRUMREY ROSANE ANDERSON, INC. DATE: JANUARY 13, 2023. DRAWN BY: WCL. CHECKED BY: J. L. STANLEY. SCALE: 1" = 20'. SHEET: C-603 OF 6. PROJECT: NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL. LOCATION: 100 HEMLOCK RD, WAKEFIELD, MA 01880.



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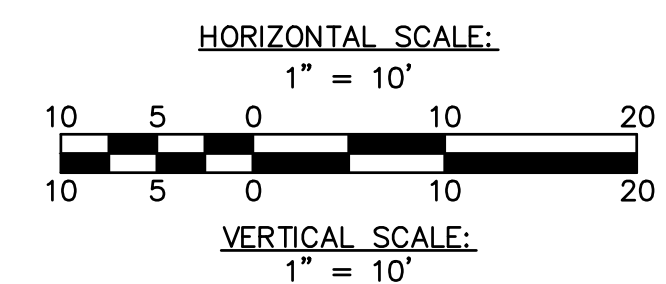
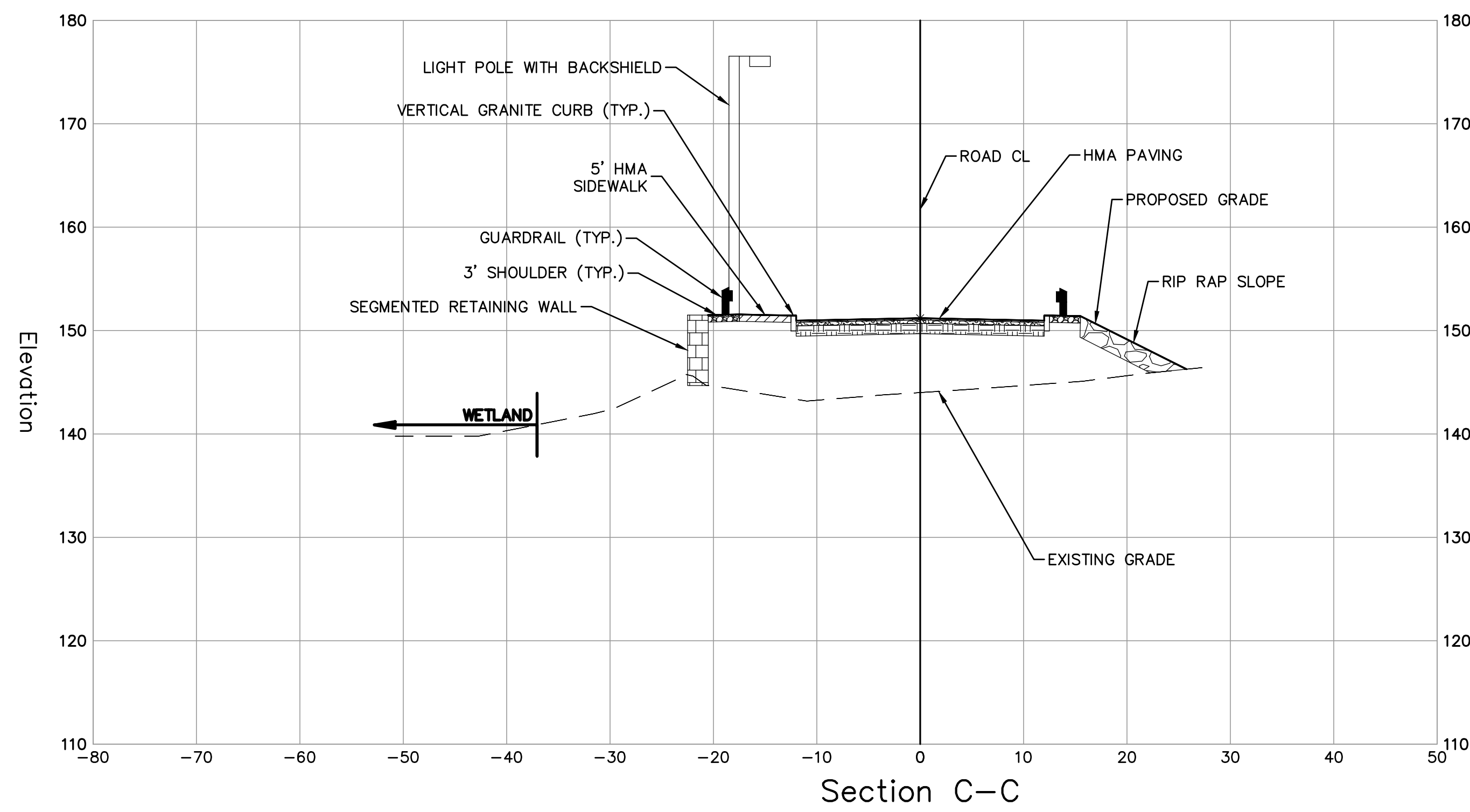
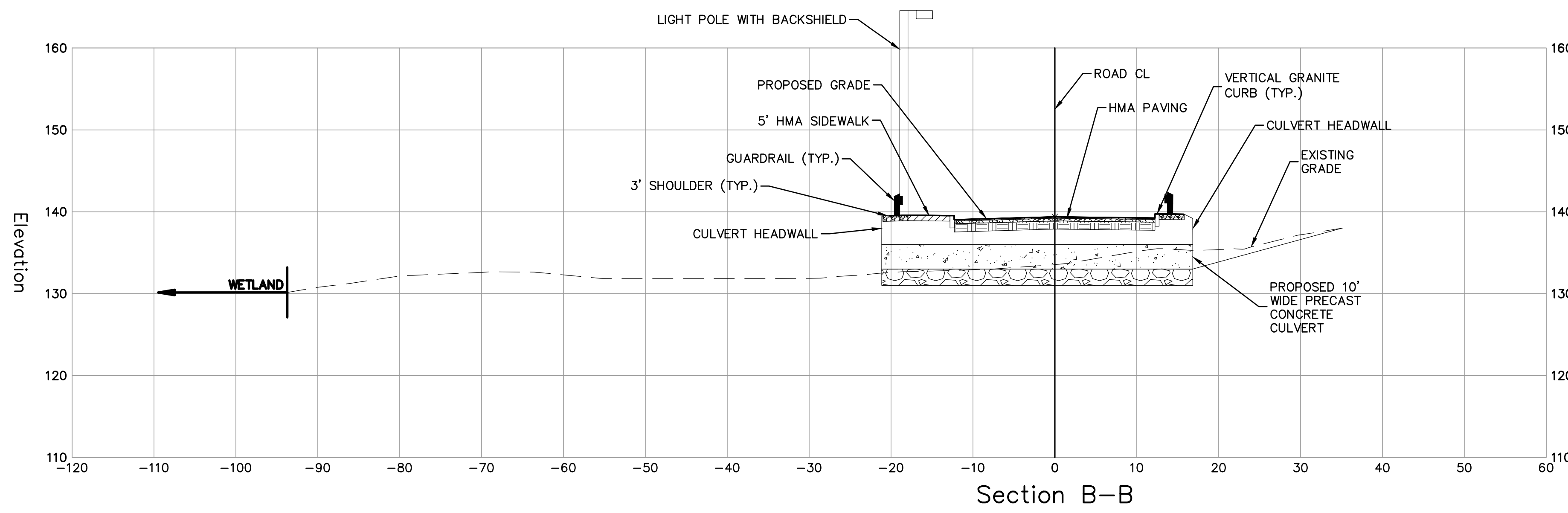
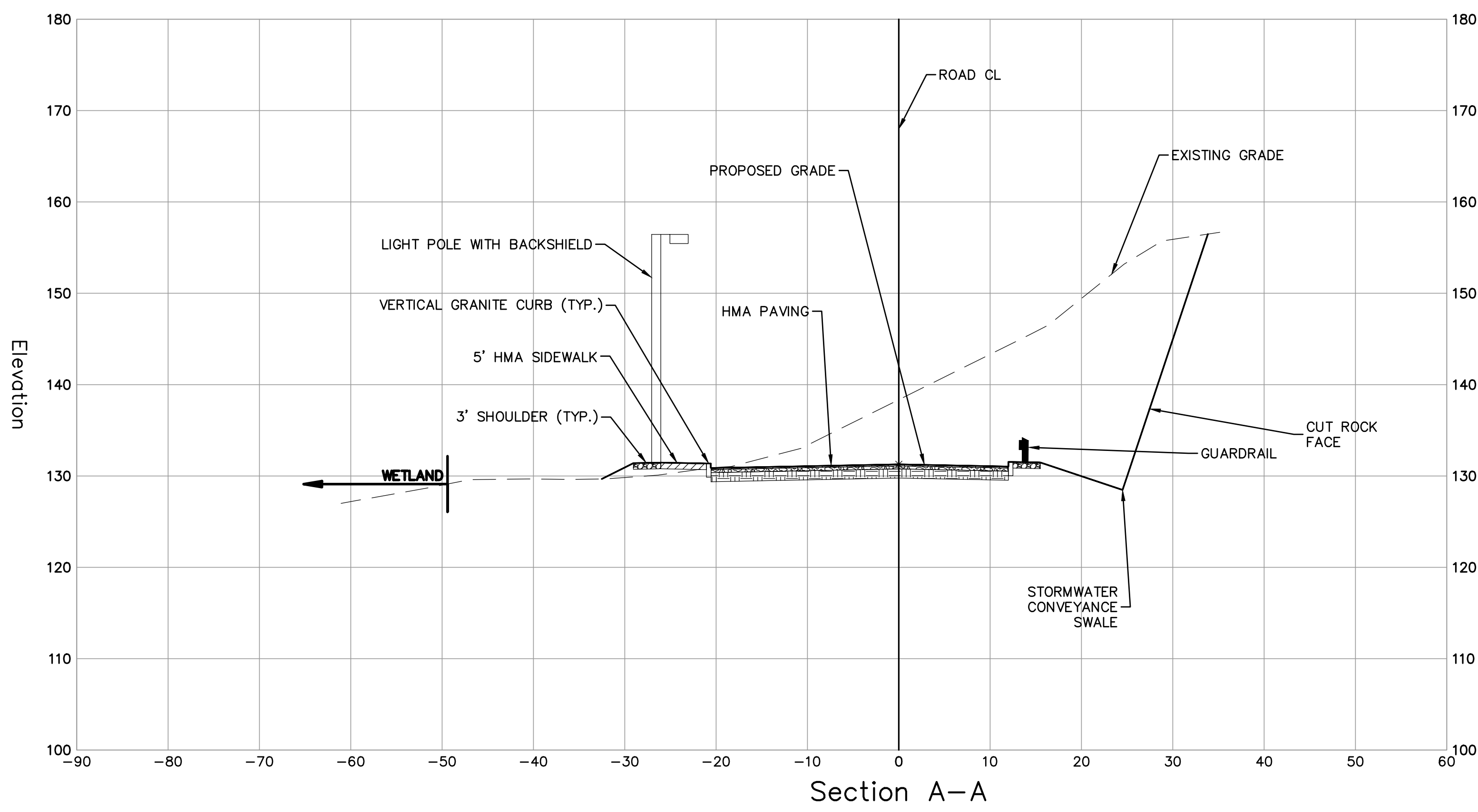
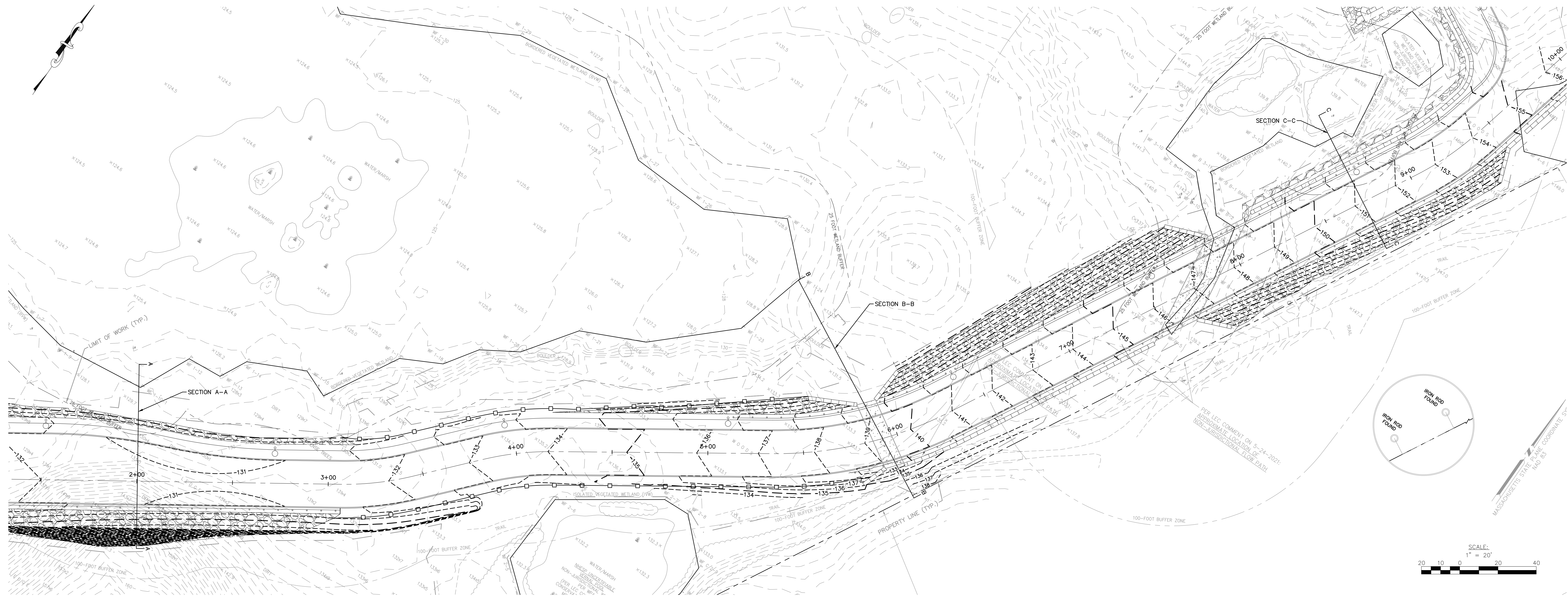
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JANUARY 13, 2023

**DRIVEWAY
PROFILE**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-604



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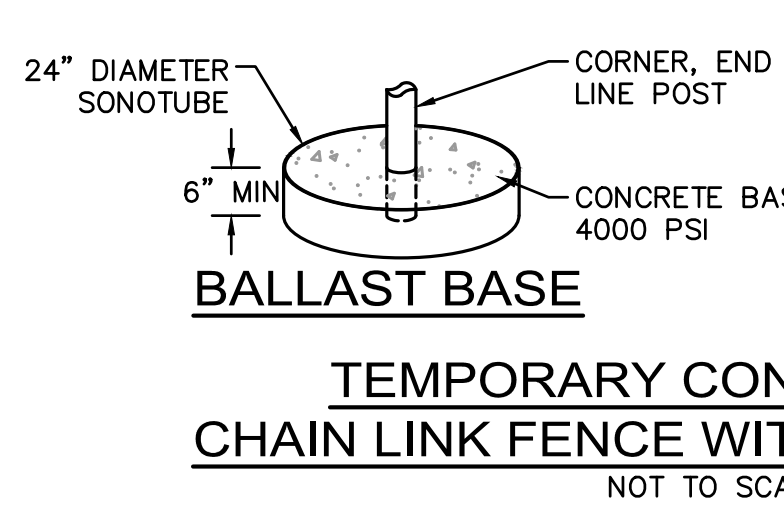
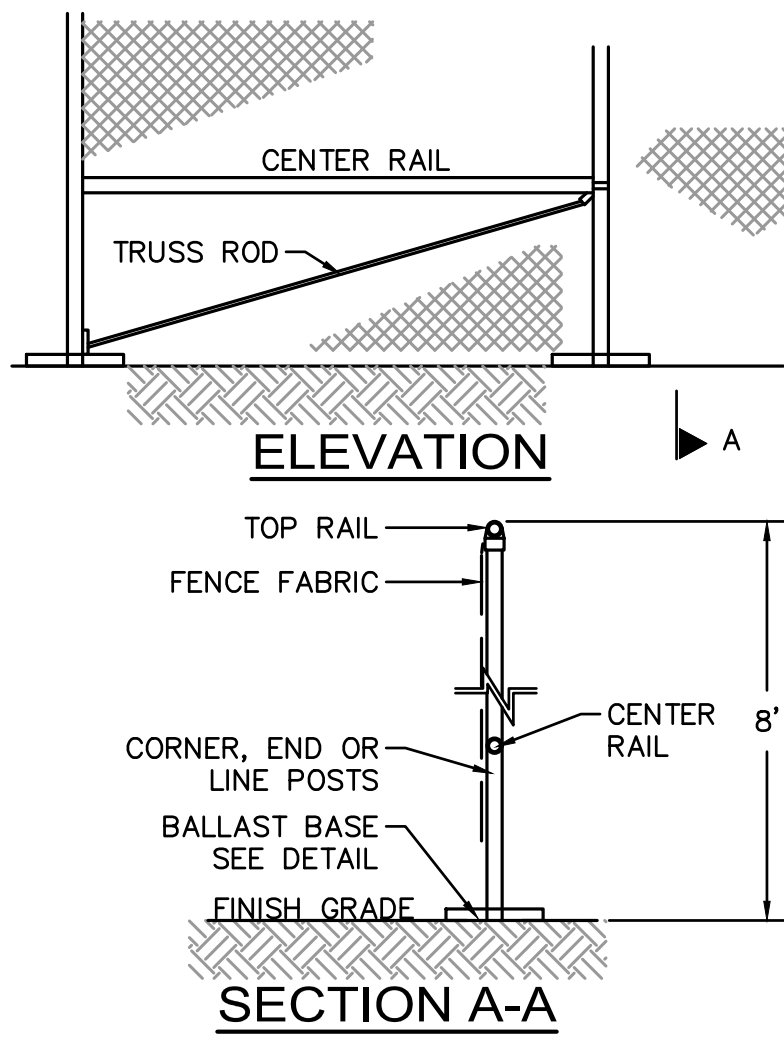
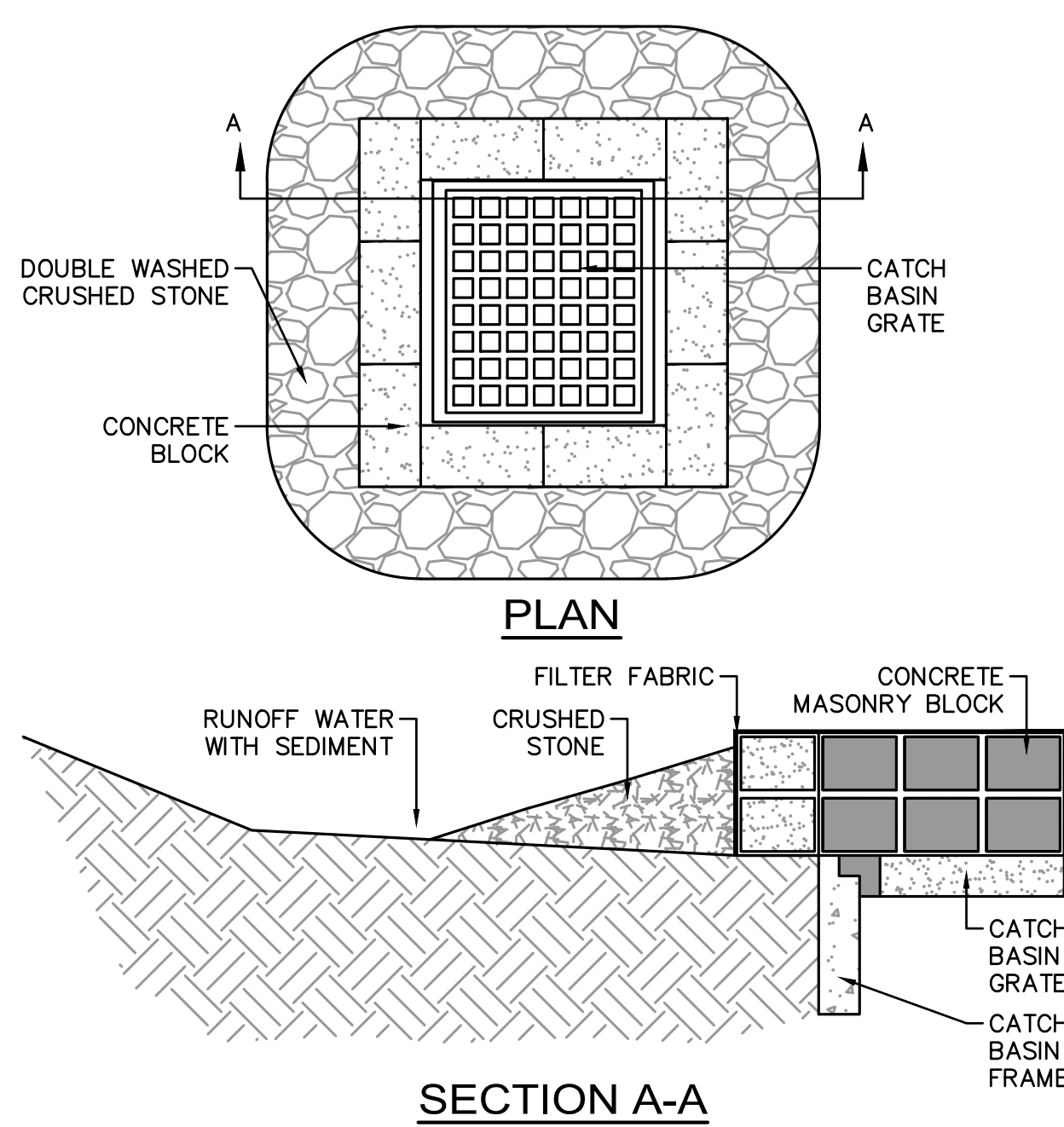
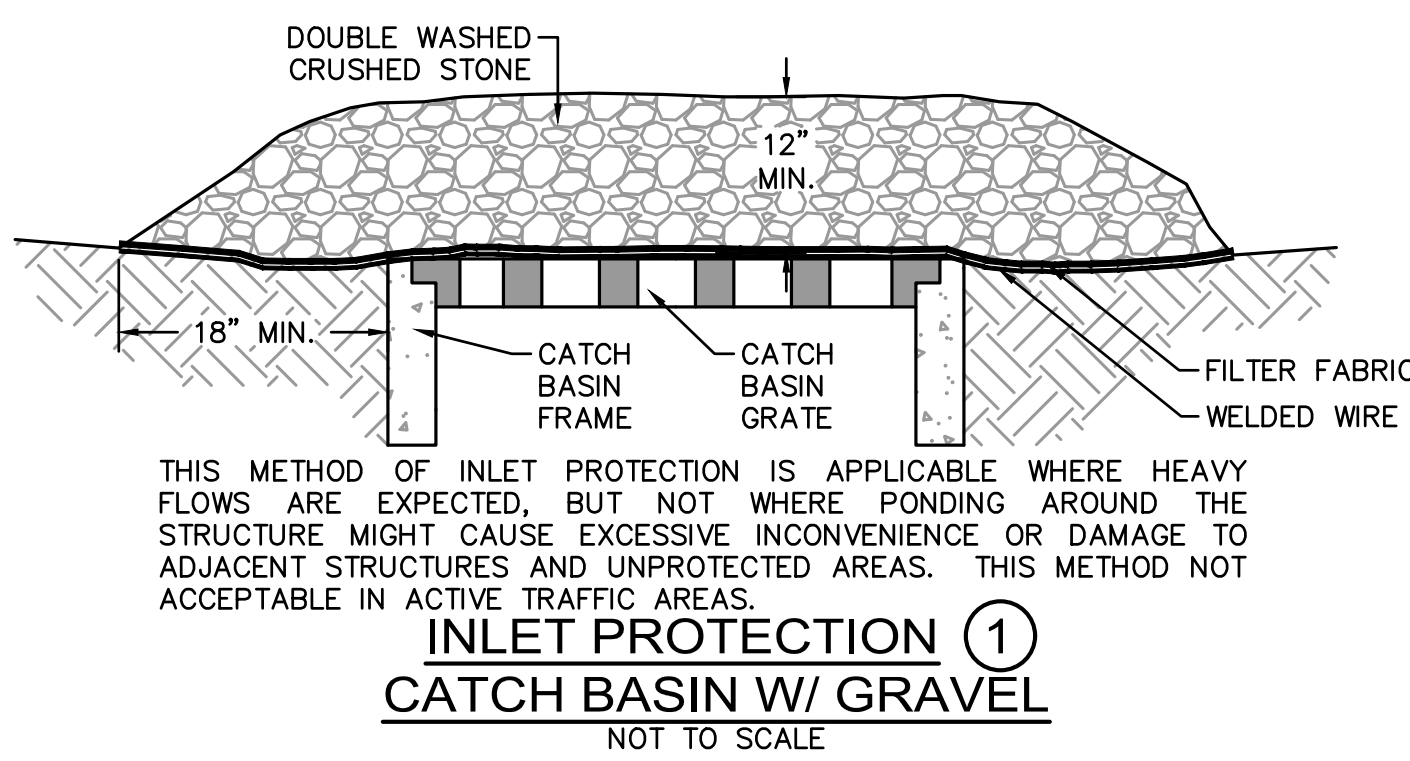
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DOCUMENTS**

JANUARY 13, 2023

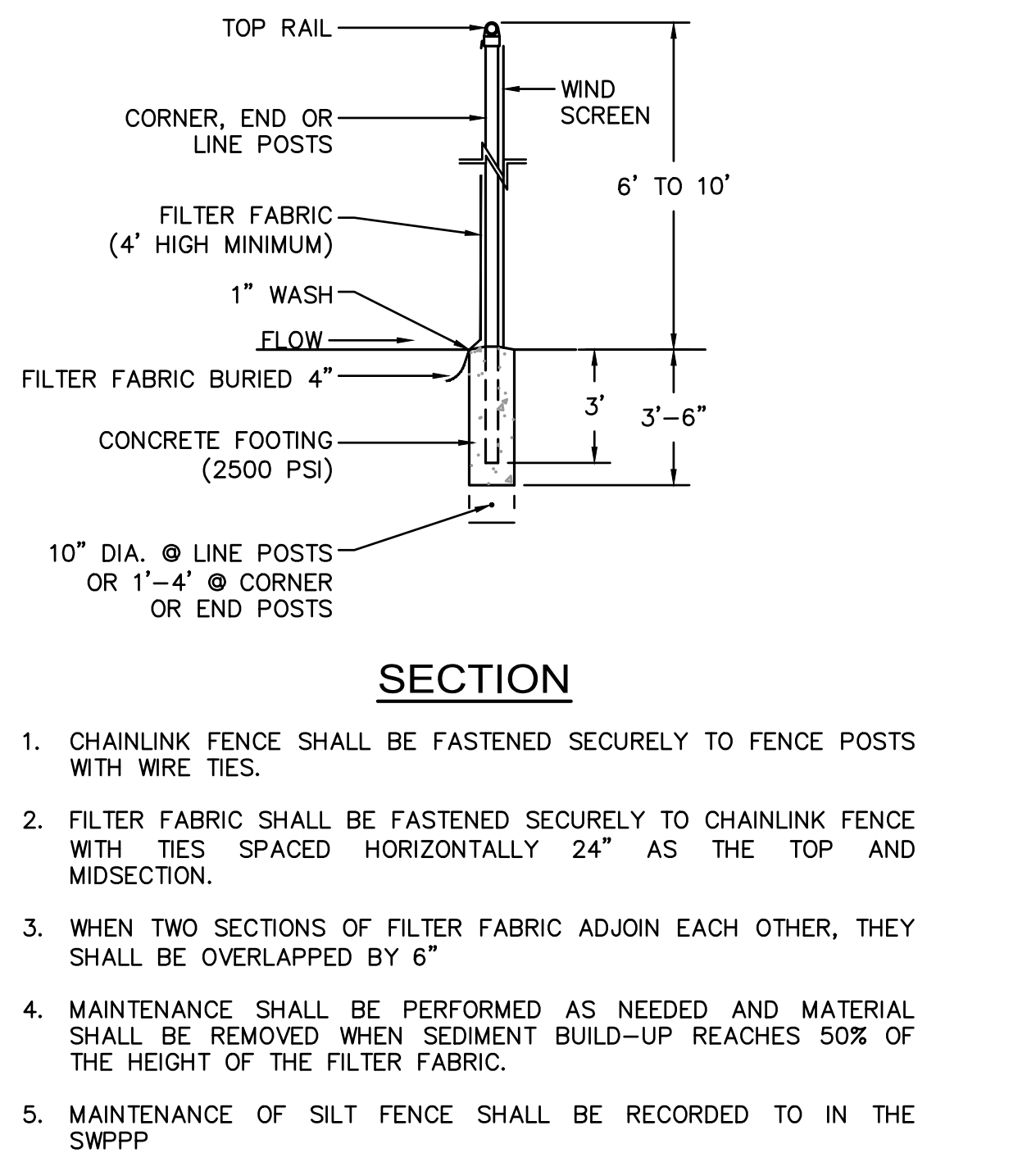
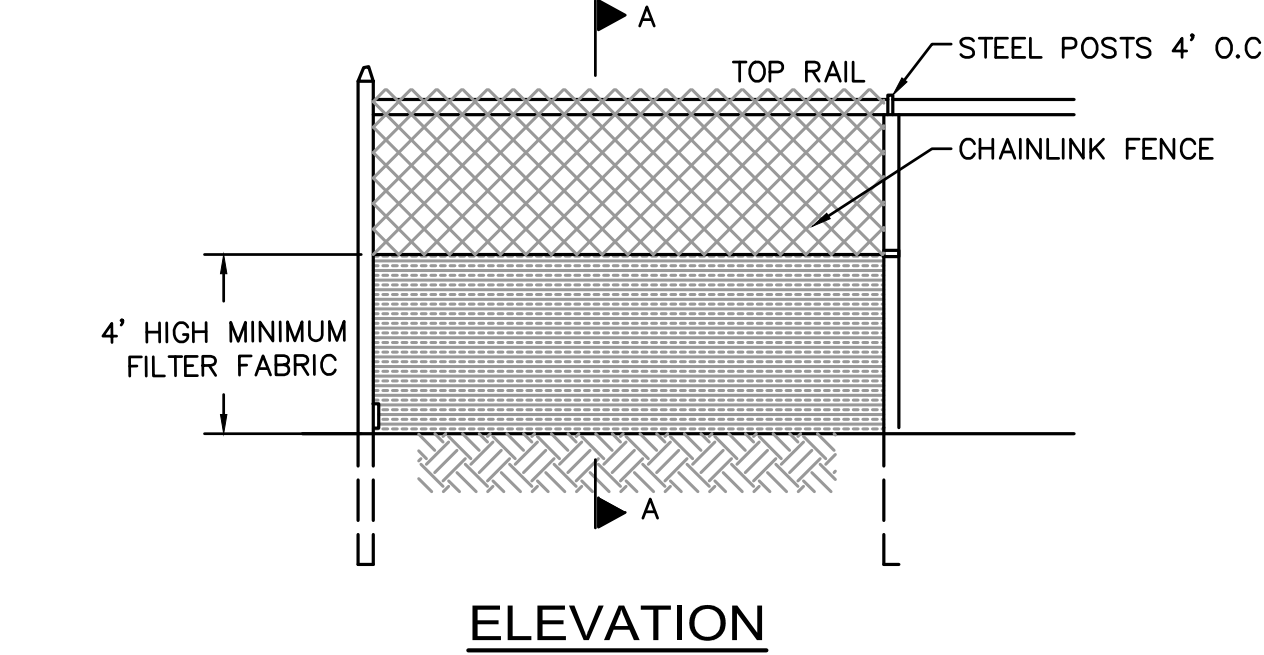
**DRIVEWAY
CROSS-SECTIONS**

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-605

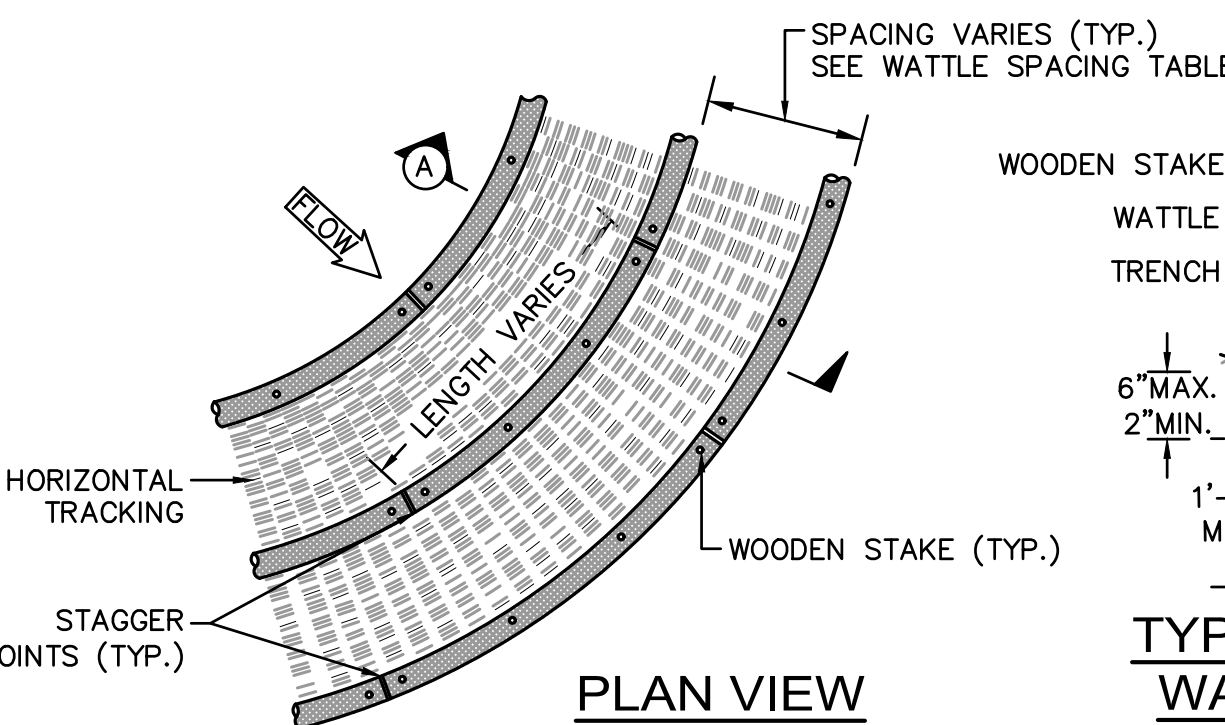


- NOTES**
1. END, GATE AND CORNER POSTS SHALL BE BRACED TO ADJACENT LINE POSTS. (MORE THAN 30° CHANGE IN DIRECTION CONSTITUTES A CORNER)
 2. FABRIC SHALL BE 0.148" GAUGE MIN. WIRE, WOVEN INTO APPROXIMATELY 2" DIAMOND MESH.
 3. ZINC-COATED STEEL FABRIC BASE METAL SHALL BE COATED WITH PRIME WESTERN SHELTER 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.



EROSION CONTROL BARRIER SUPER SILT FENCE

NOT TO SCALE

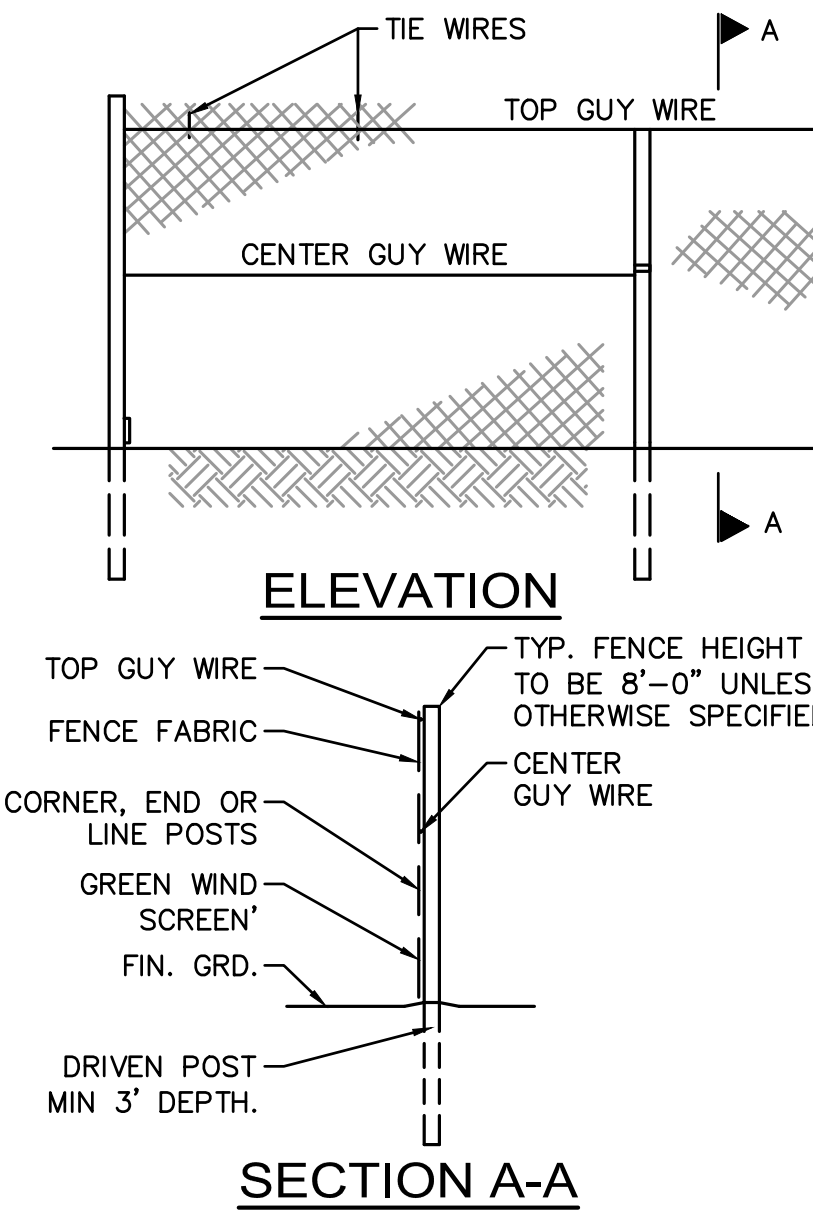


WATTLE SPACING TABLE	
SLOPE	MAX. SPACING
1:1	10'-0"
2:1	20'-0"
3:1	30'-0"
4:1	40'-0"

- 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.

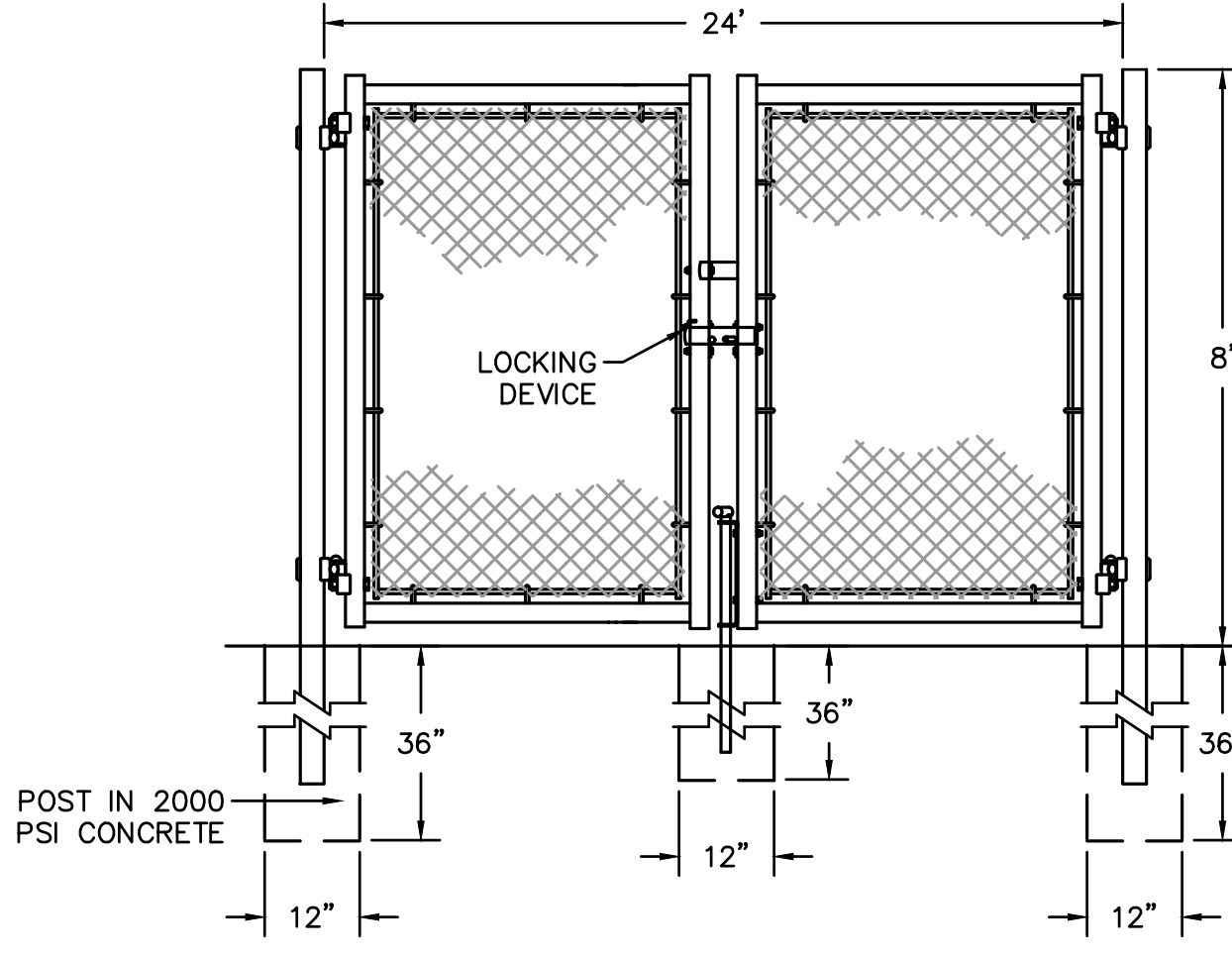
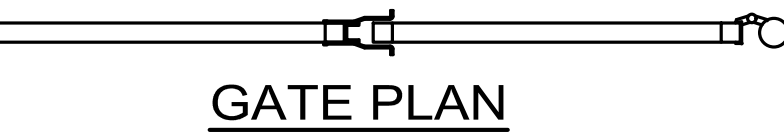
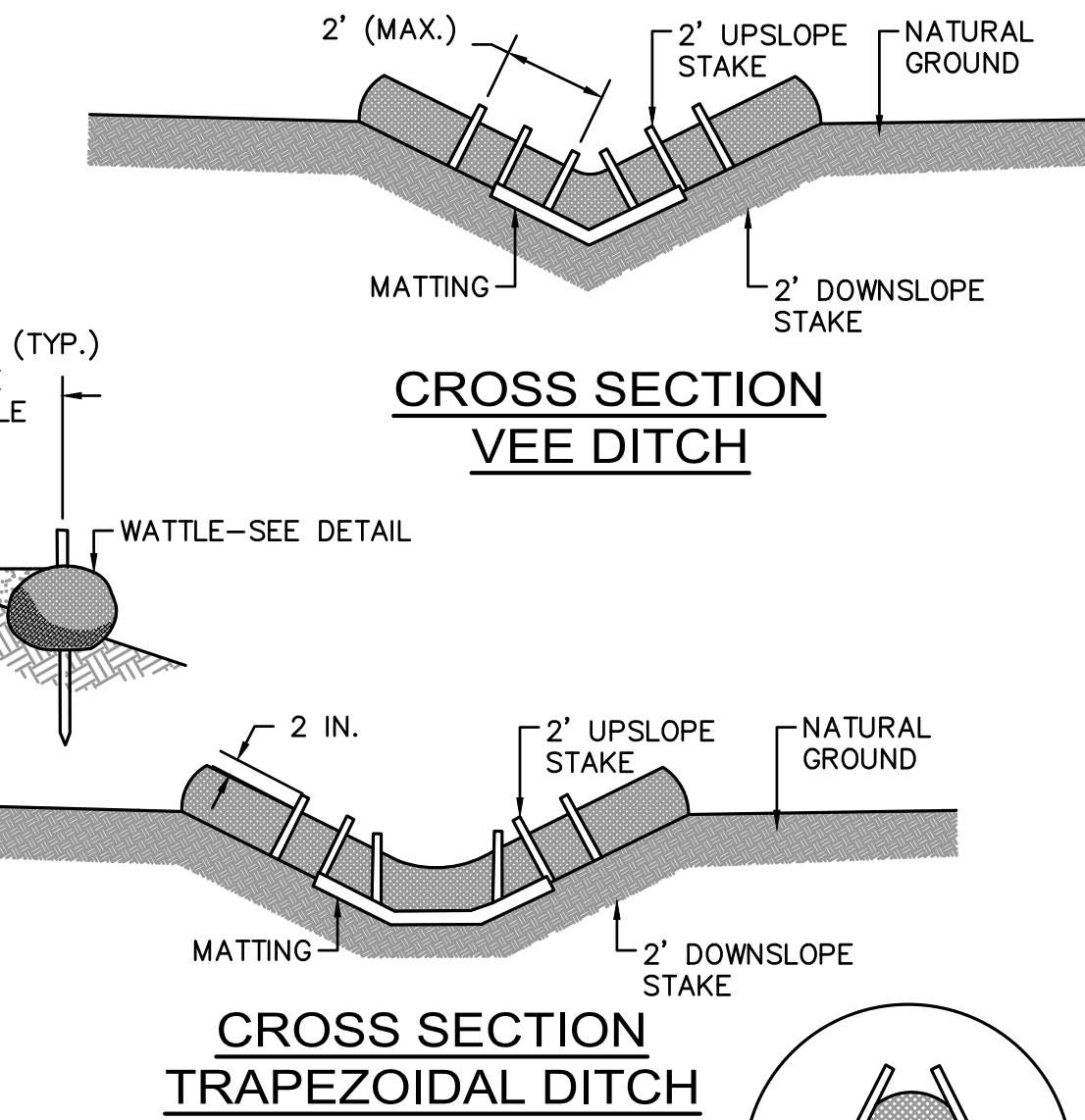
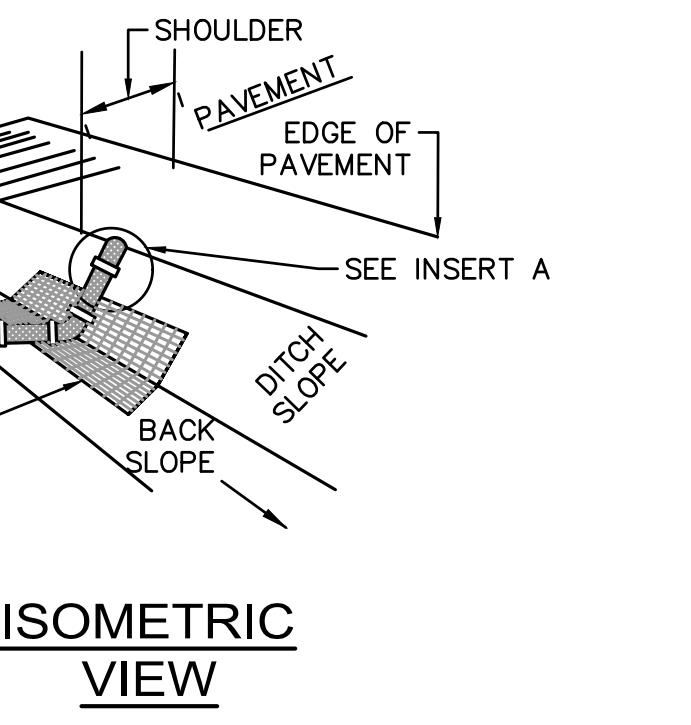
EROSION CONTROL BARRIER WATTLES - STEEP SLOPE PROTECTION

NOT TO SCALE



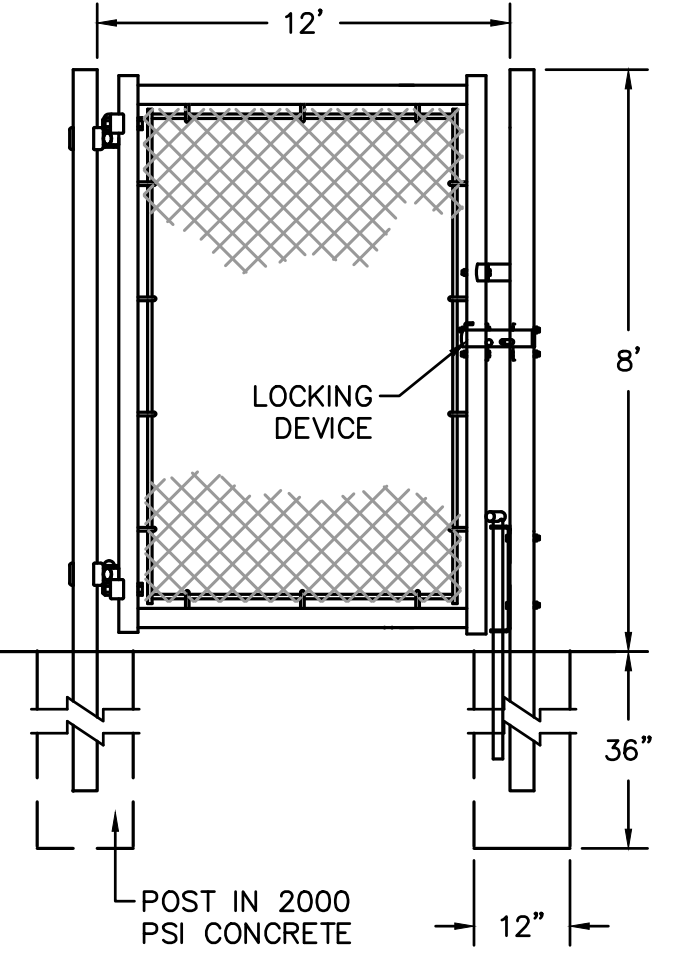
CONSTRUCTION FENCE AND GATE NOTES

1. FABRIC SHALL BE 0.148" WIRE, WOVEN INTO APPROXIMATELY 2" DIAMOND MESH.
2. THE FENCE FABRIC SHALL BE ZINC COATED STEEL OR ALUMINUM COATED STEEL.
3. FENCE POSTS SHALL RECEIVE THE SAME COATING AND TREATMENT AS THE FENCE FABRIC (DESCRIBED ABOVE).
4. THE CONTRACTOR SHALL ADD A GREEN WIND SCREEN
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.



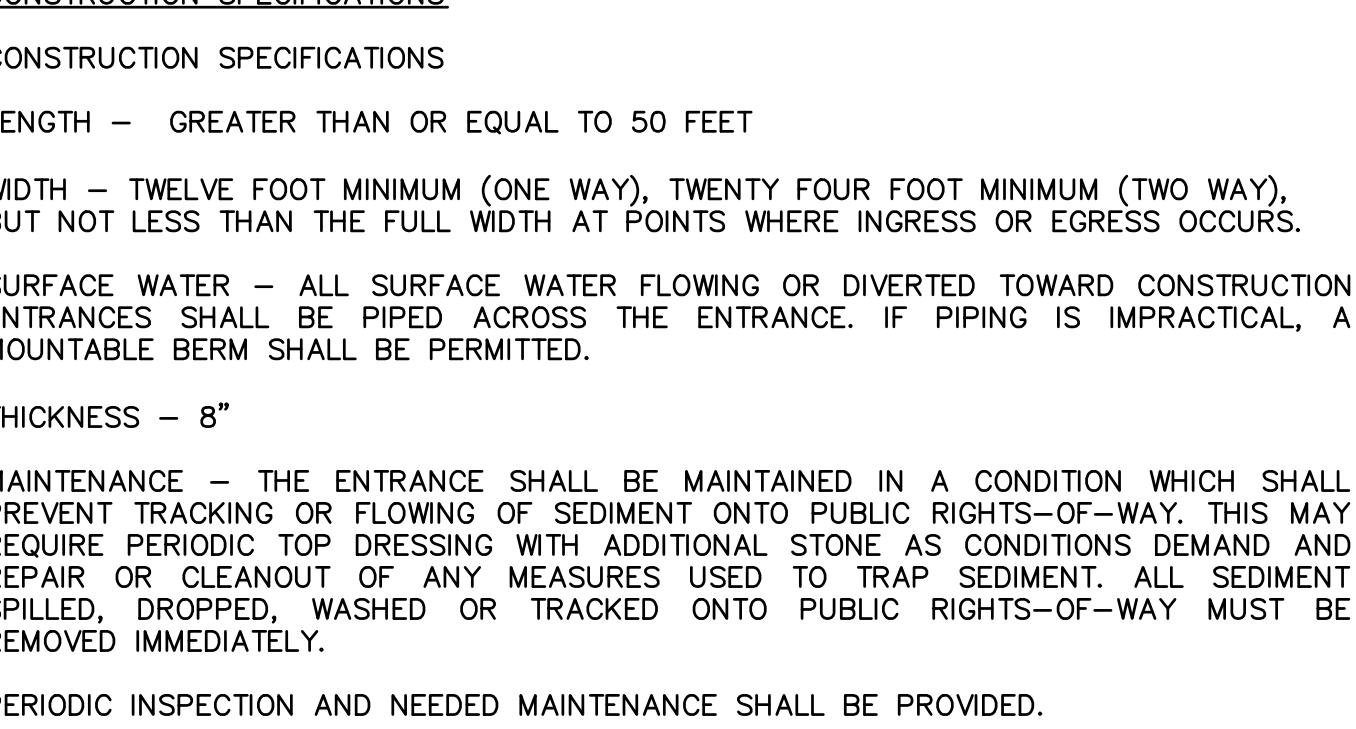
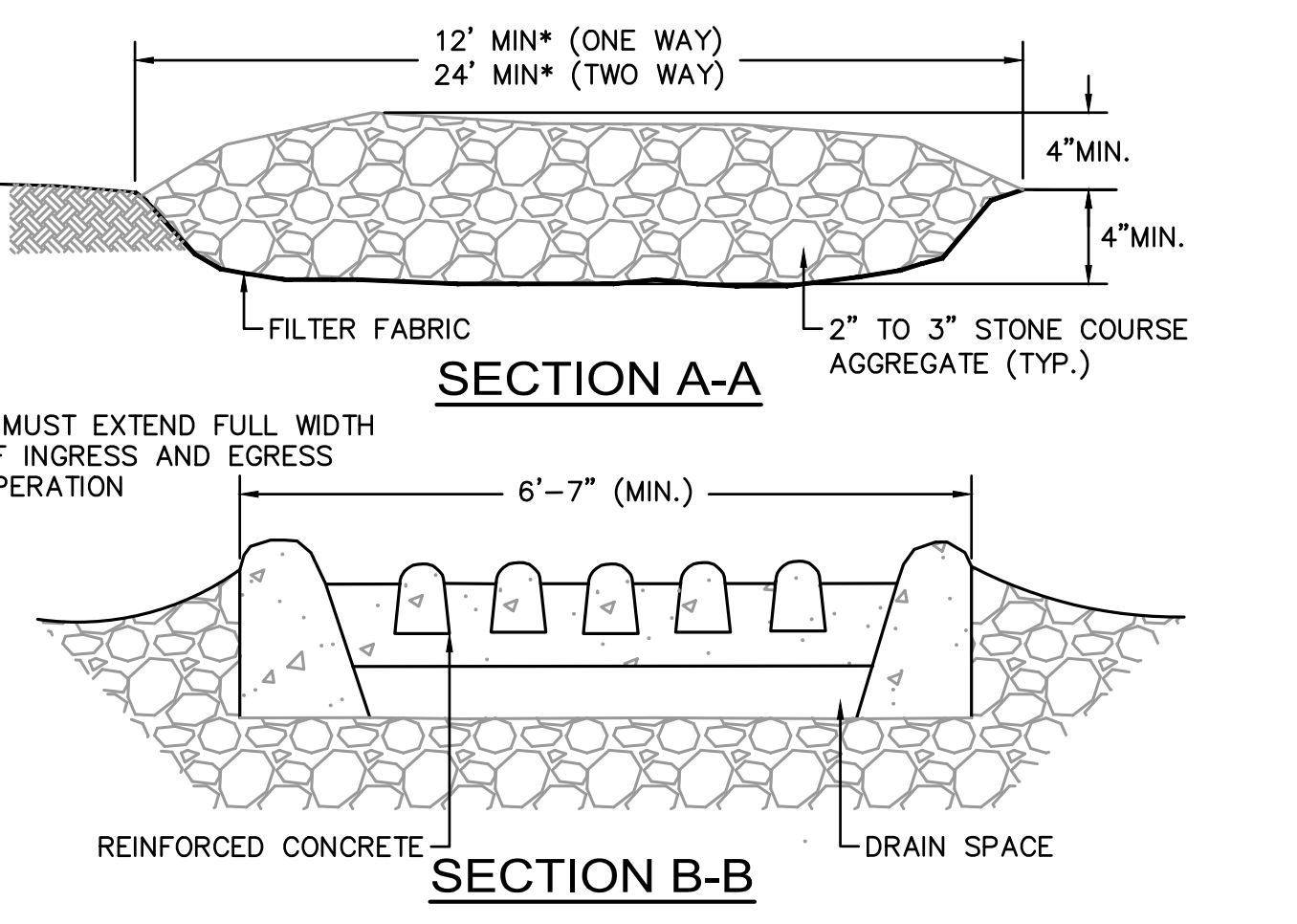
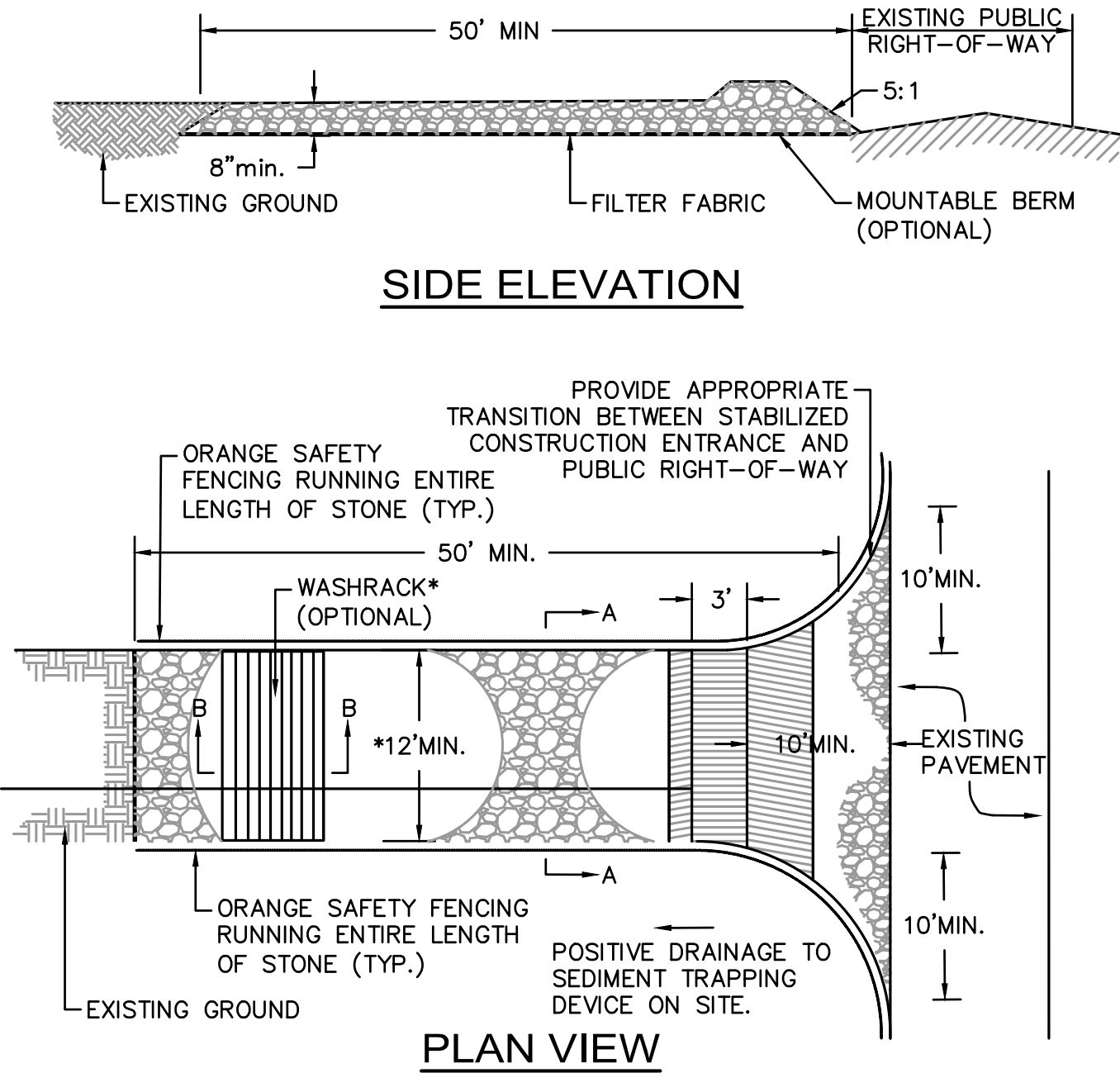
24' WIDE DOUBLE GATE

NOT TO SCALE



12' WIDE EMERGENCY GATE

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

CONSTRUCTION SPECIFICATIONS

LENGTH - GREATER THAN OR EQUAL TO 50 FEET

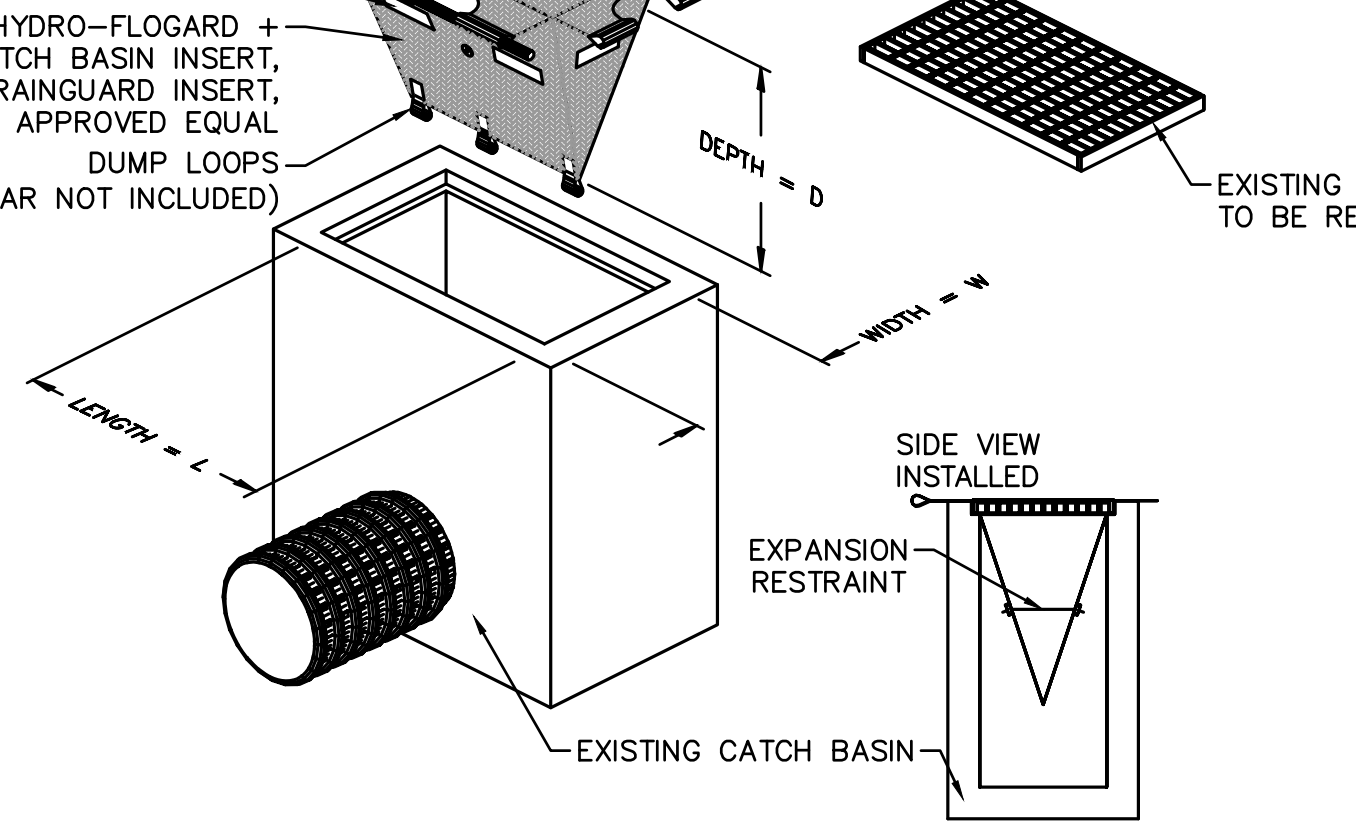
WIDTH - TWELVE FOOT MINIMUM (ONE WAY), TWENTY FOUR FOOT MINIMUM (TWO WAY), BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

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"

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.



THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS SHEET, OVERLAND OR CONCENTRATED FLOWS (NOT GREATER THAN 1 CFS). THE METHOD CAN DRAIN FLAT AREA TO STEEP SLOPES. INLET CAPACITY WILL BE DECREASED WITH THIS METHOD AND THE CONTRACTOR SHALL EXPECT PONDING DURING HIGH FLOW EVENTS.

INLET PROTECTION CATCH BASIN W/ SILTATION SACK

NOT TO SCALE

DRA

Drummeys Rosane Anderson, Inc.
225 Oakland Road
Studio 205
South Windsor, CT 06074

260 Charles Street
Studio 300
Waltham, MA 02453

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- GIS

NITSCH PROJECT No. 13872

EARLY SITE PREPARATION CONTRACT DOCUMENTS

JANUARY 13, 2023

CIVIL SITE DETAILS I

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023

C-700

**NORTHEAST
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NITSCH PROJECT No. 13872

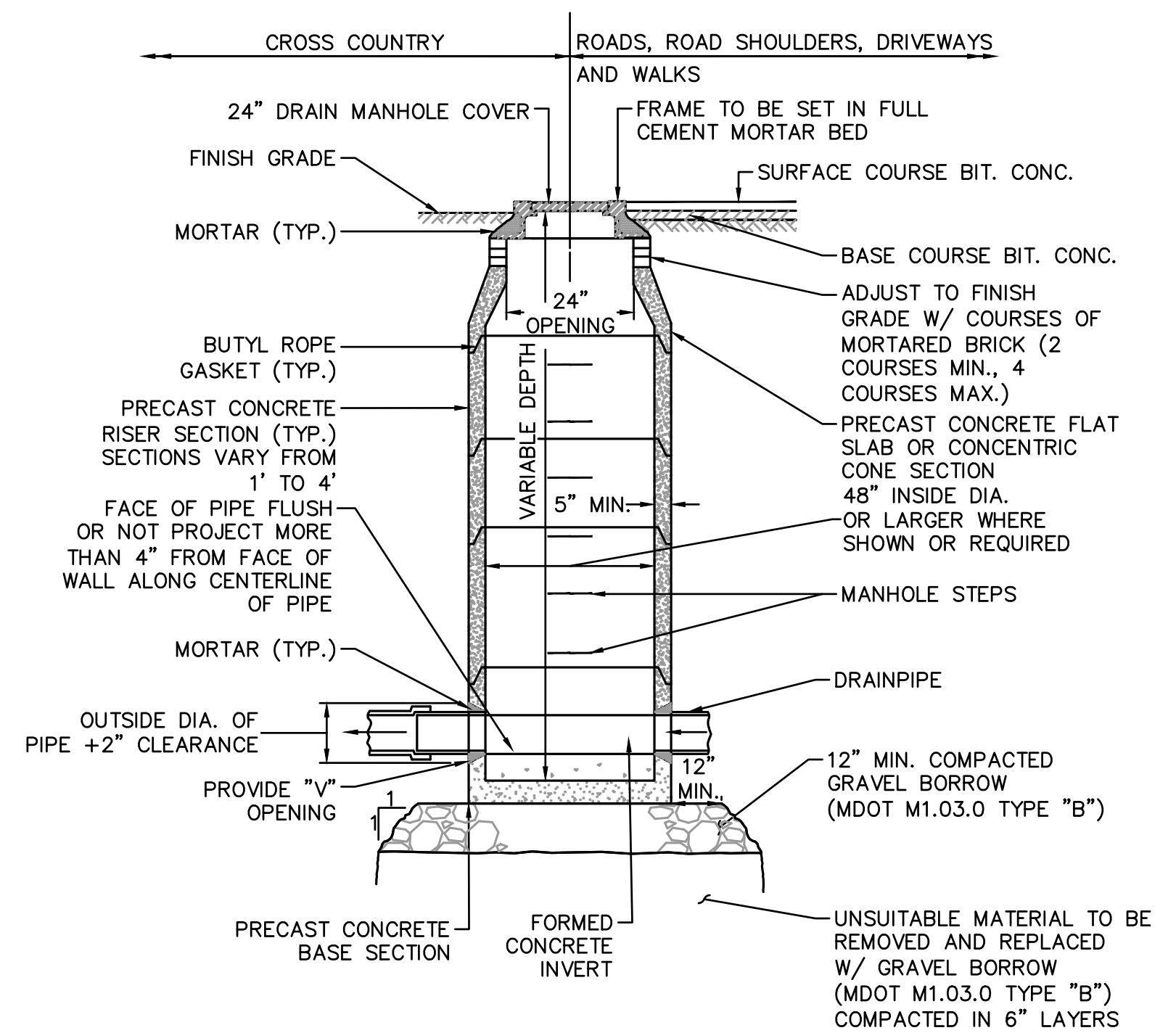
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EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS

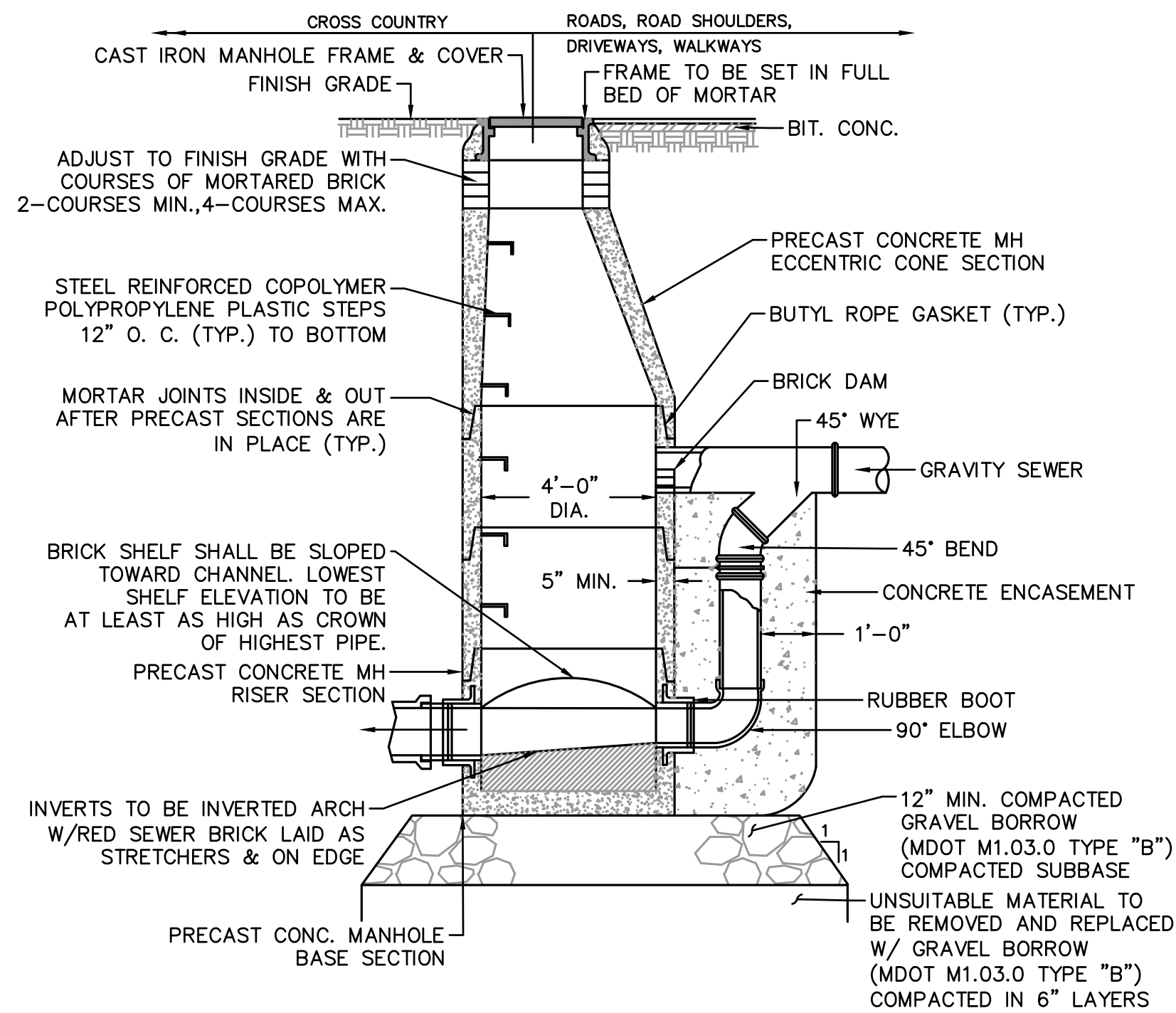
JANUARY 13, 2023

**CIVIL SITE
DETAILS II**

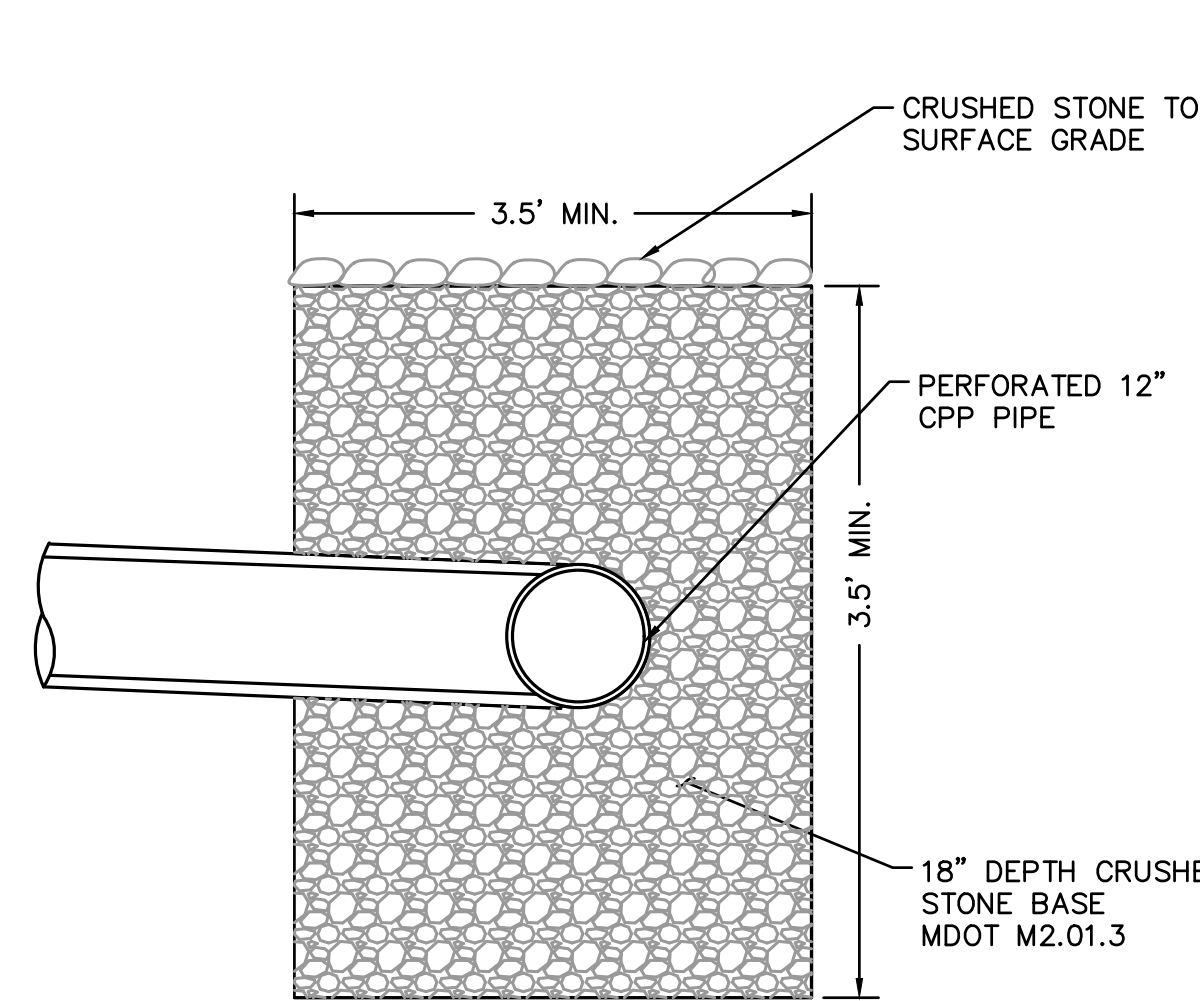
Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023
C-701



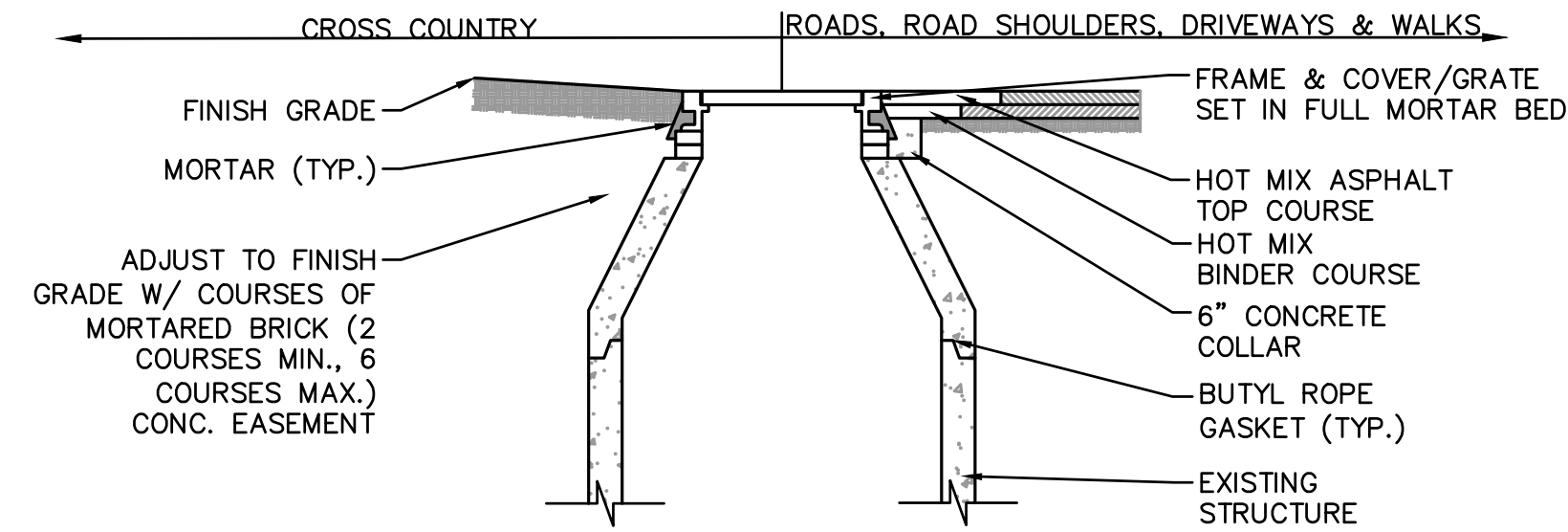
TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE



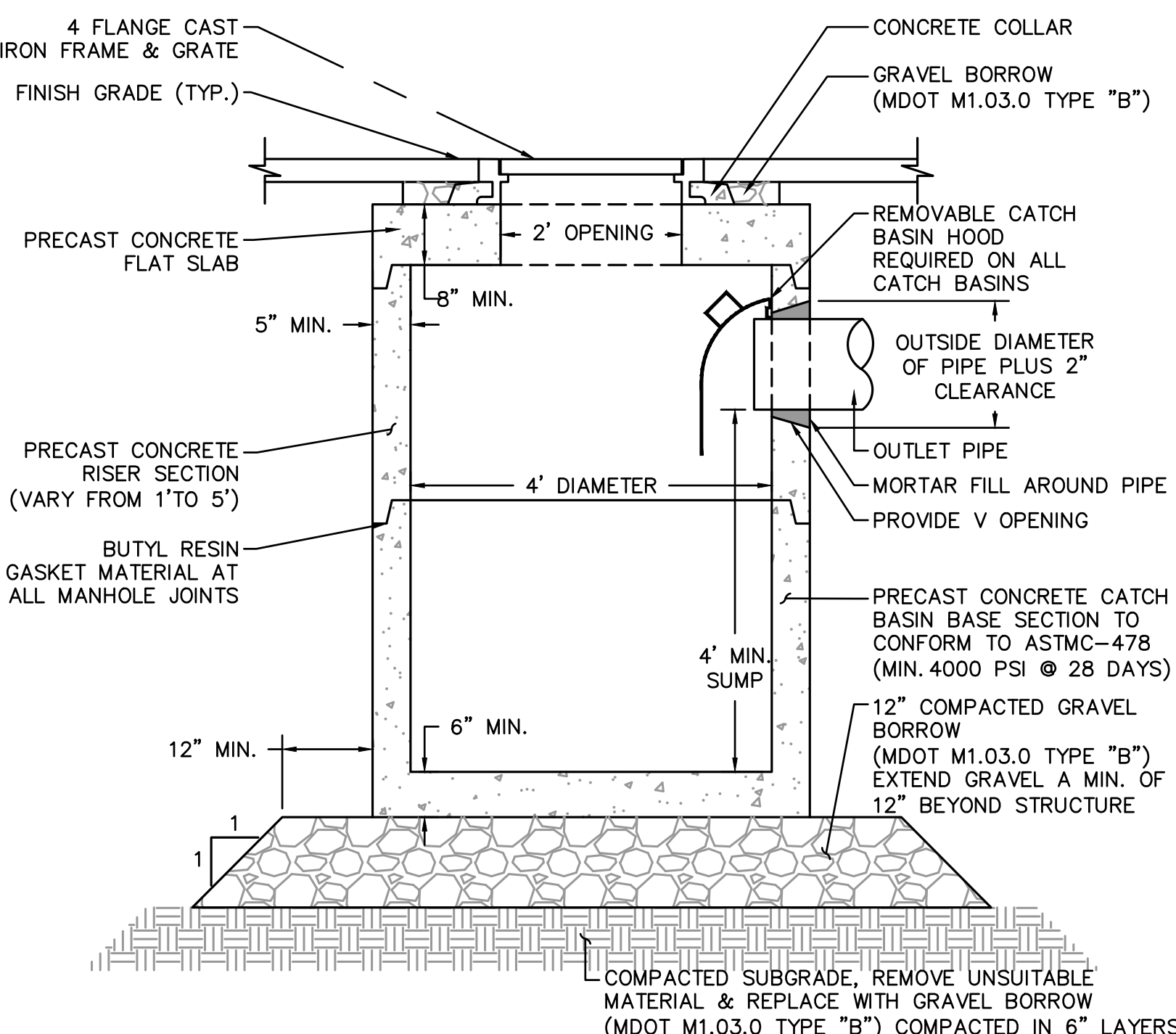
DROP MANHOLE DETAIL
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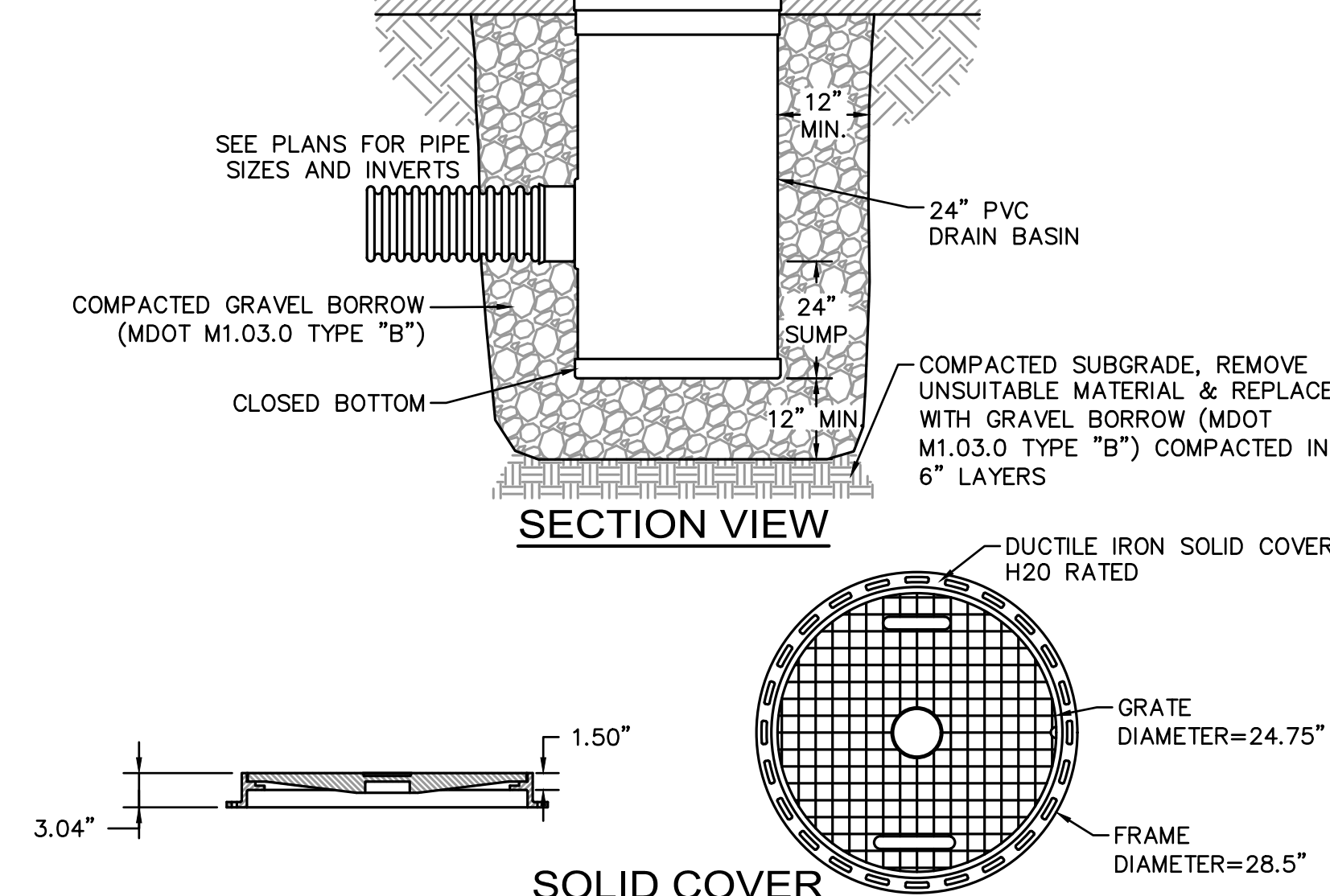
**SECTION A-A
LEVEL SPREADER DETAIL**
NOT TO SCALE



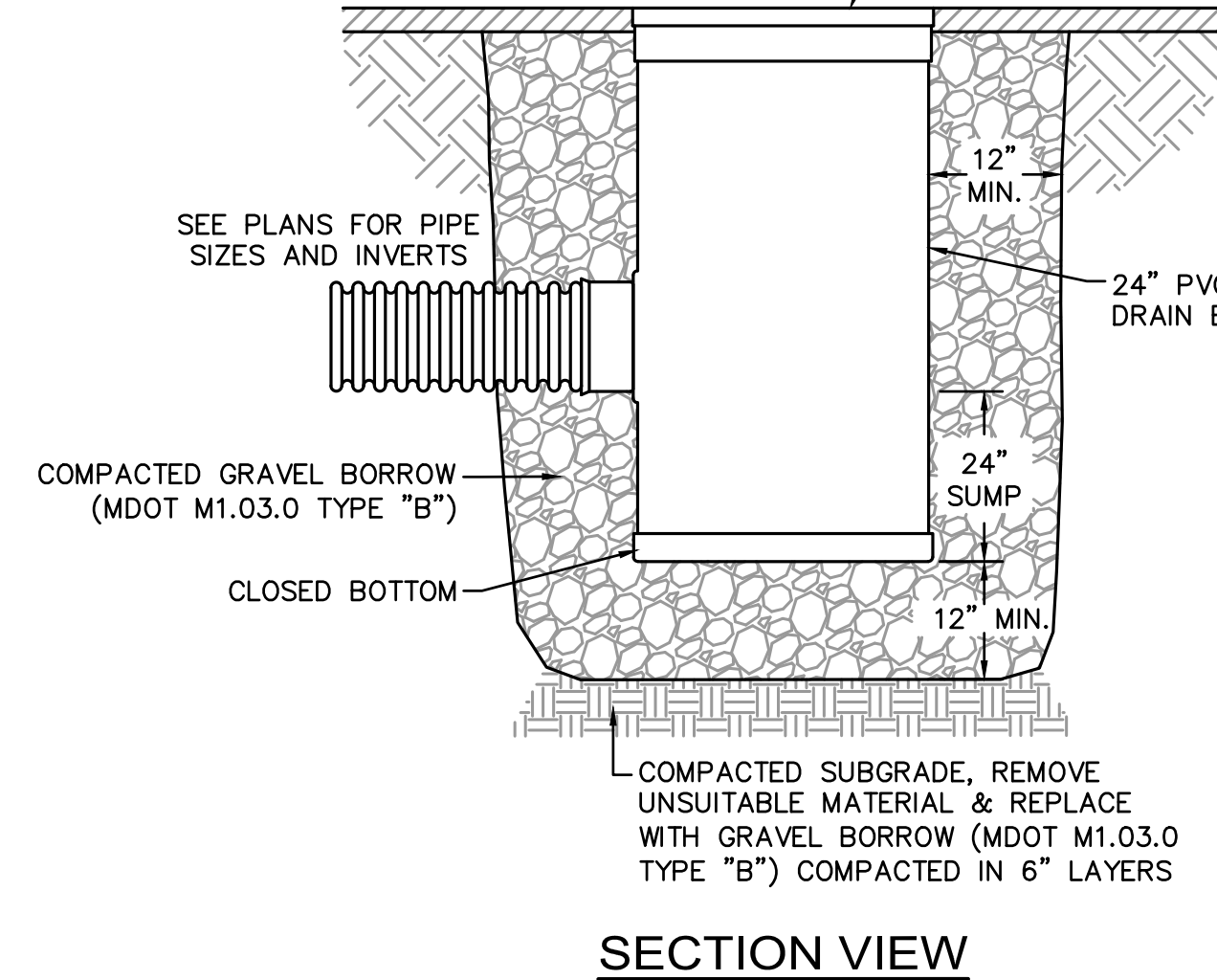
RIM SETTING DETAIL
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SHALLOW CATCH BASIN DETAIL
NOT TO SCALE

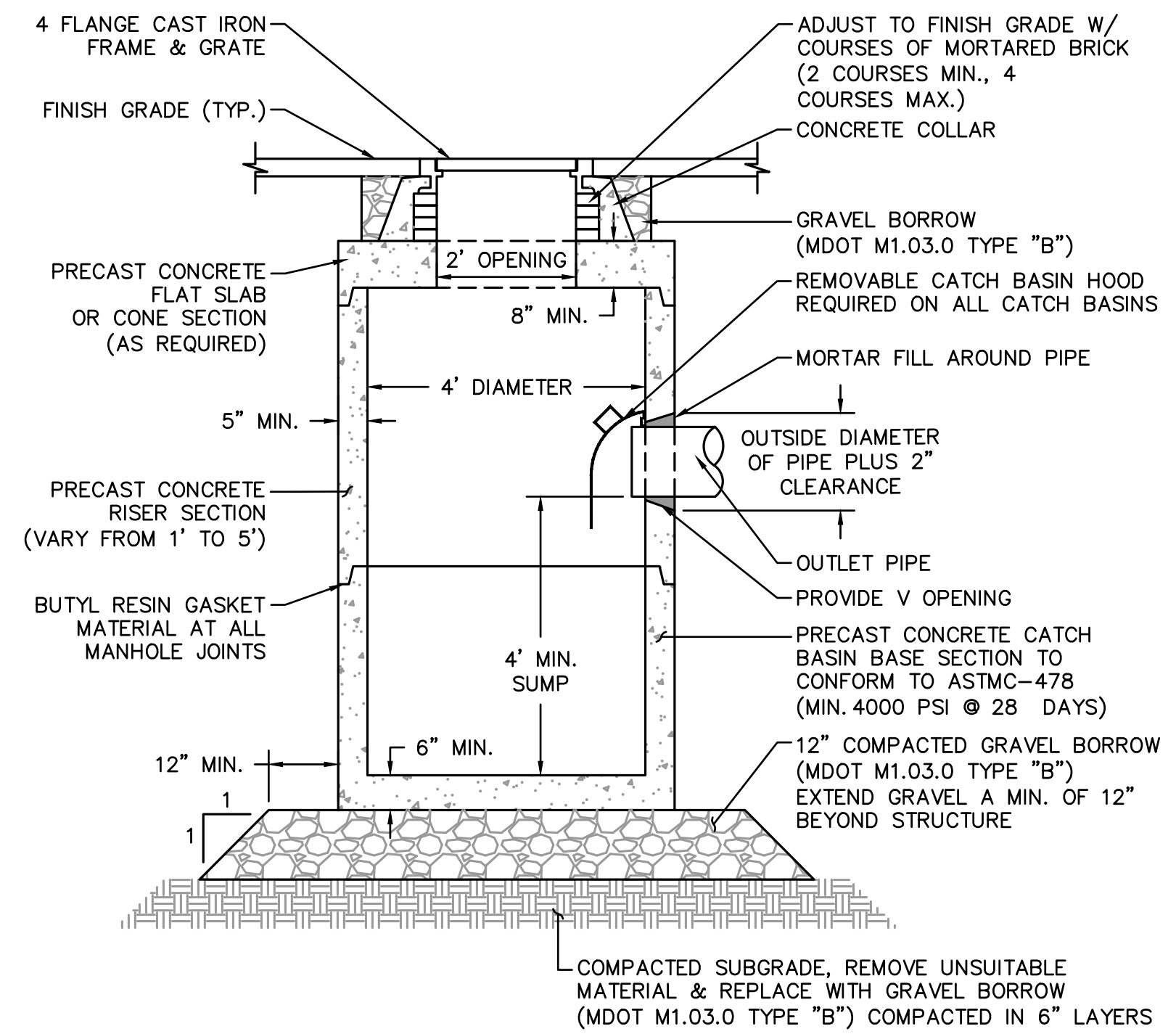
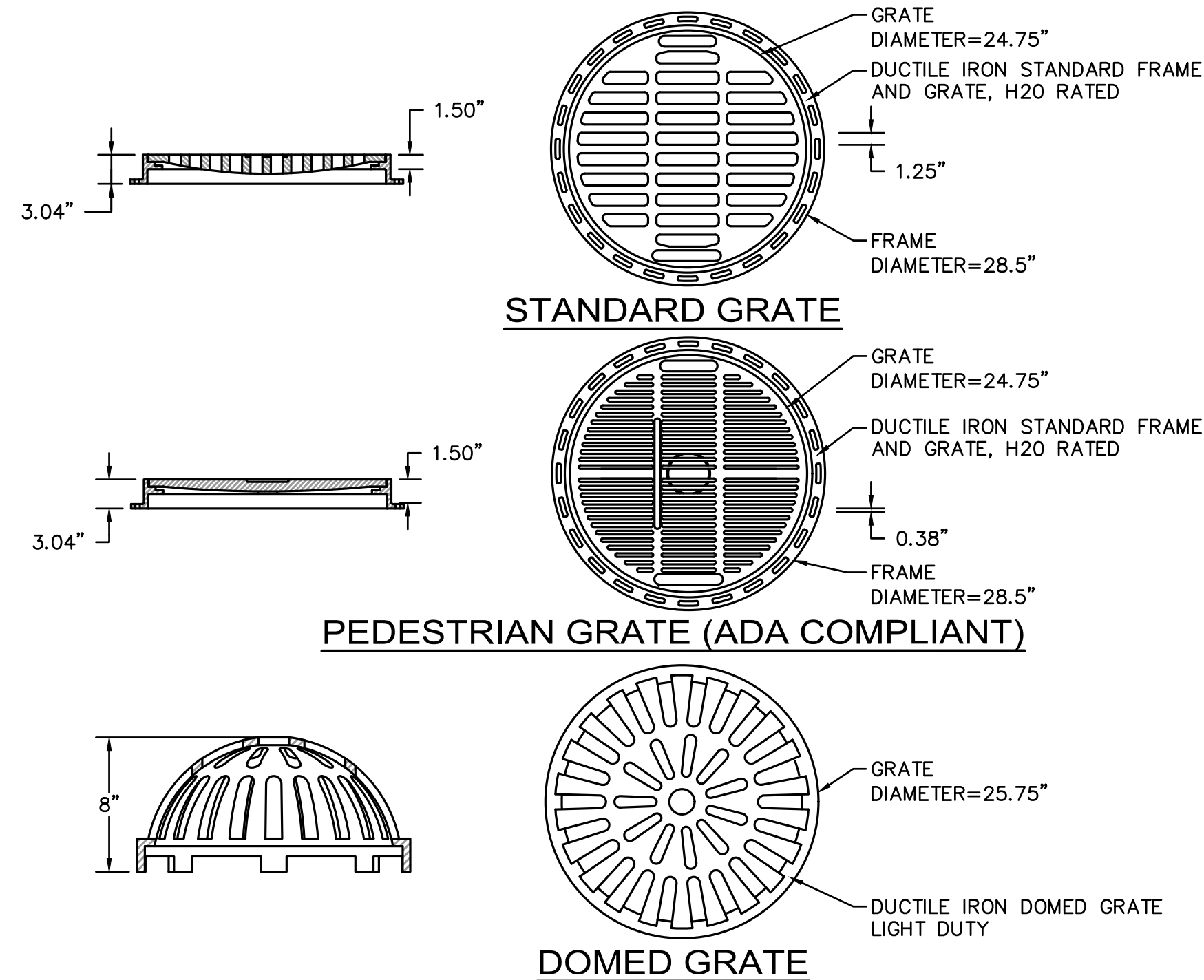


24\"/>

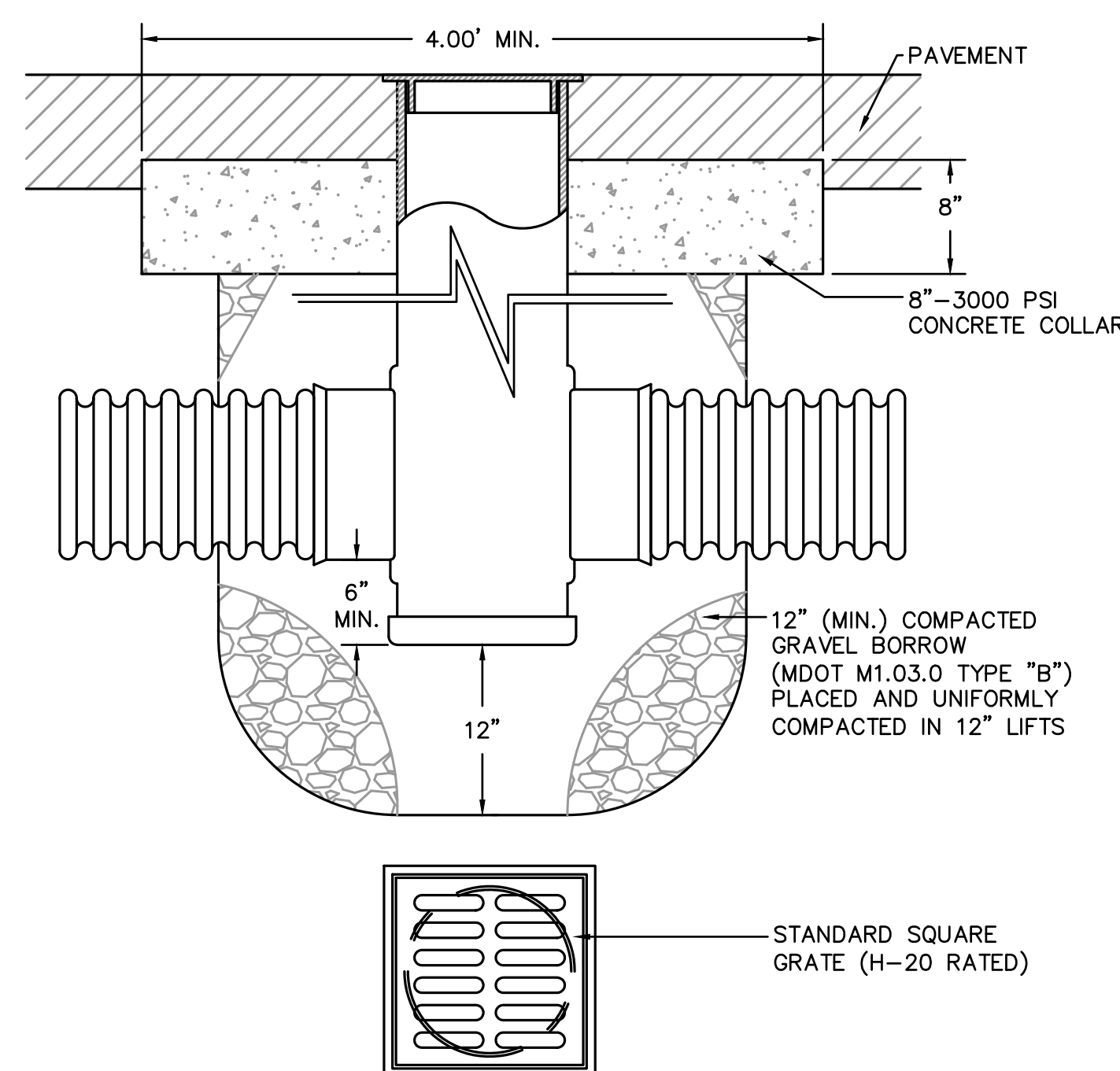


- NOTES:
1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 24\"/>
 3. ACCESS BASINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO ACCESS BASINS.

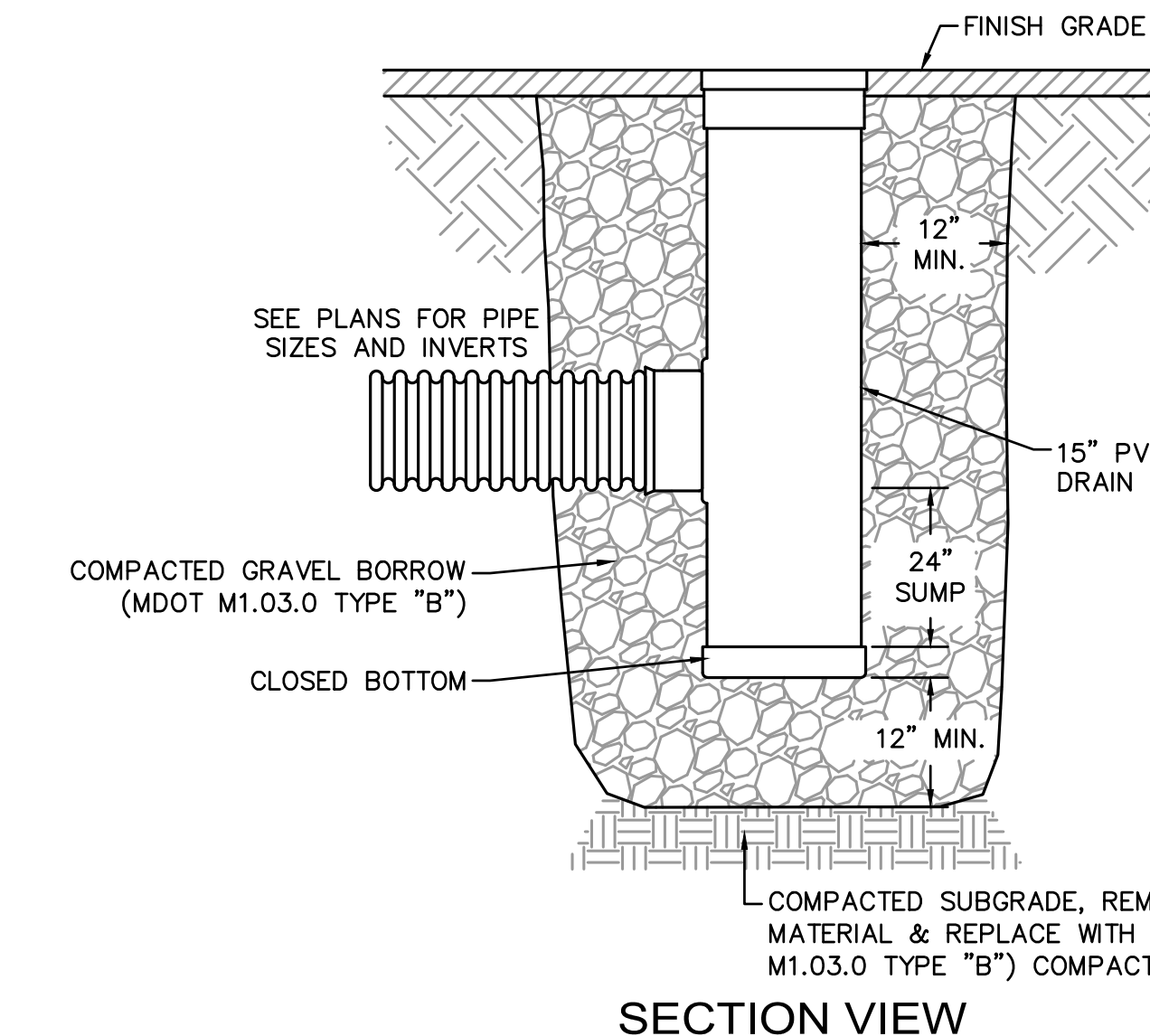
24\"/>



TYPICAL CATCH BASIN DETAIL
NOT TO SCALE

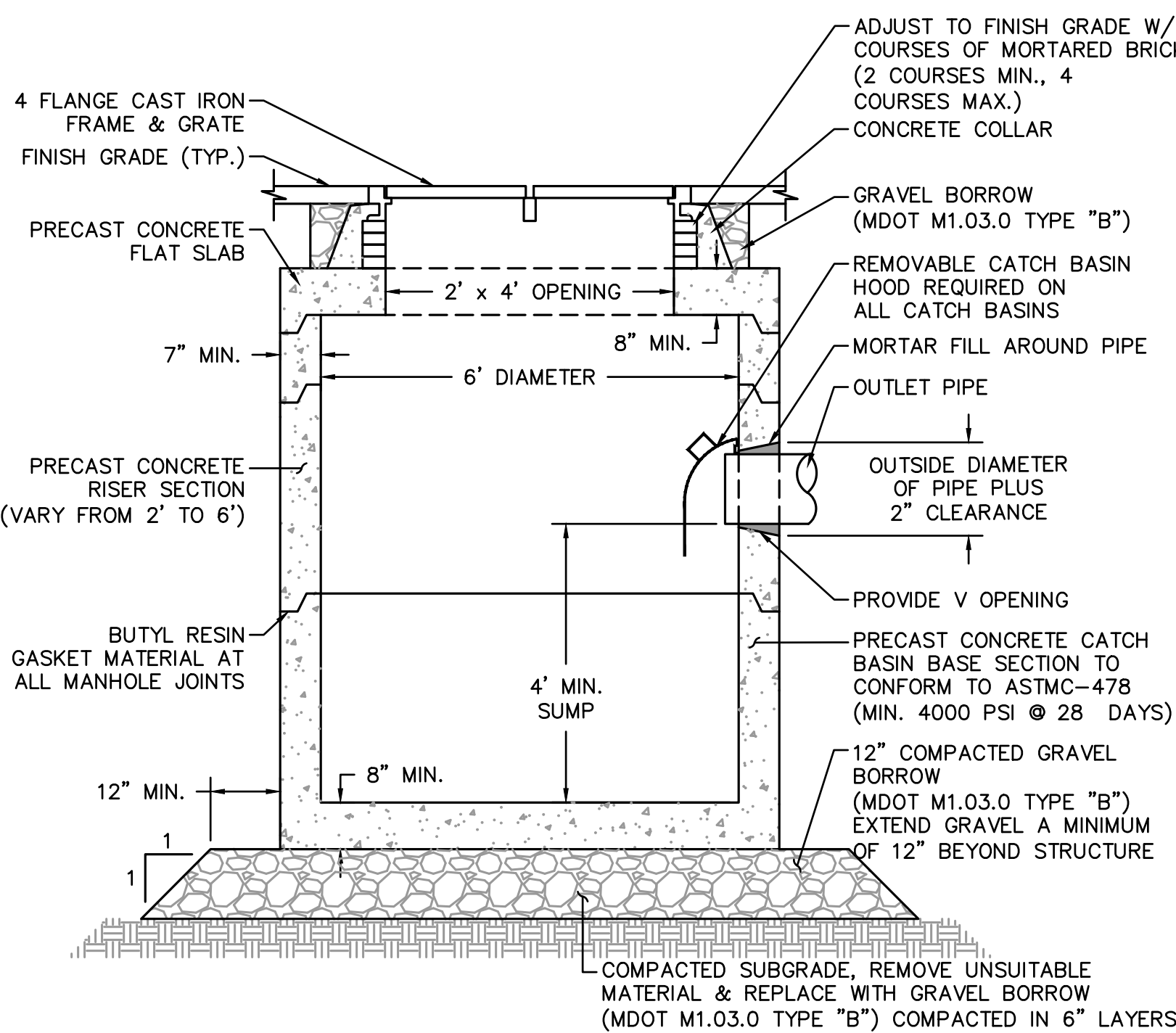
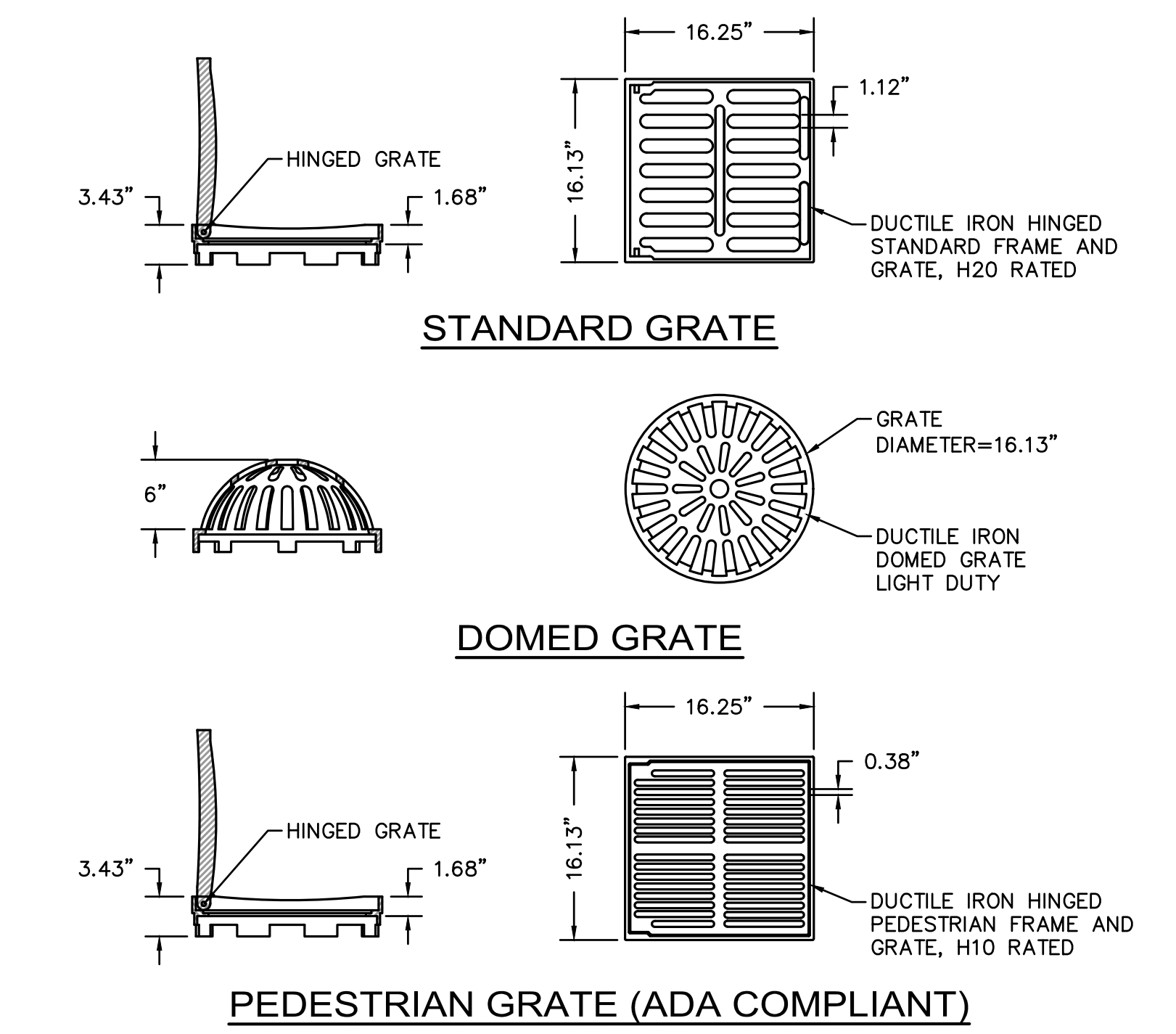


**AREA DRAIN IN PAVEMENT
SUBJECT TO VEHICULAR LOAD**
NOT TO SCALE



- NOTES:
1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 15\"/>
 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.

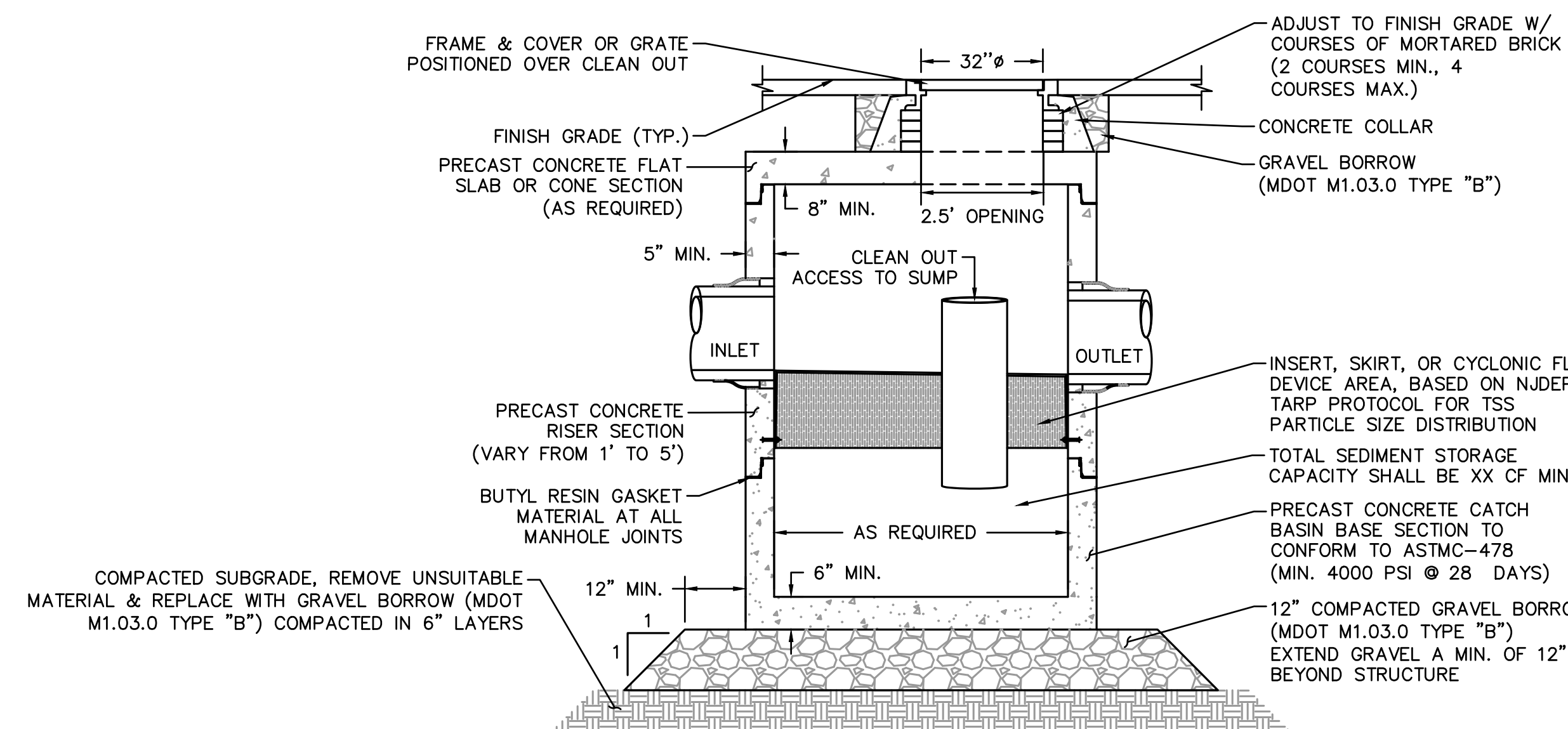
15\"/>



TYPICAL DOUBLE CATCH BASIN DETAIL
NOT TO SCALE

STRUCTURE NAME	MINIMUM WQF	PEAK FLOW RATE*	MINIMUM SEDIMENT STORAGE CAPACITY
WQI-501	0.10 CFS	1.44 CFS	20 CF
WQI-502	0.13 CFS	1.42 CFS	20 CF
WQI-503	0.09 CFS	1.13 CFS	20 CF
WQS-601	0.23 CFS	2.09 CFS	20 CF
WQS-602	0.06 CFS	0.76 CFS	20 CF
WQS-603	0.11 CFS	1.06 CFS	20 CF
WQS-604	0.12 CFS	1.37 CFS	20 CF
WQS-605	0.09 CFS	1.02 CFS	20 CF
WQS-606	0.62 CFS	6.23 CFS	22 CF
WQS-607	0.64 CFS	6.11 CFS	23 CF
WQS-608	0.33 CFS	4.76 CFS	20 CF
WQS-609	0.81 CFS	8.16 CFS	29 CF
WQS-610	0.22 CFS	2.53 CFS	20 CF
WQS-611	0.02 CFS	0.31 CFS	20 CF
WQS-612	0.67 CFS	12.48 CFS	23 CF
WQS-613	0.40 CFS	4.89 CFS	20 CF
WQS-614	0.28 CFS	3.35 CFS	20 CF
WQS-615	0.17 CFS	2.62 CFS	20 CF
WQS-616	0.17 CFS	2.29 CFS	20 CF
WQS-617	0.23 CFS	2.67 CFS	20 CF
WQS-618	0.09 CFS	1.03 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.

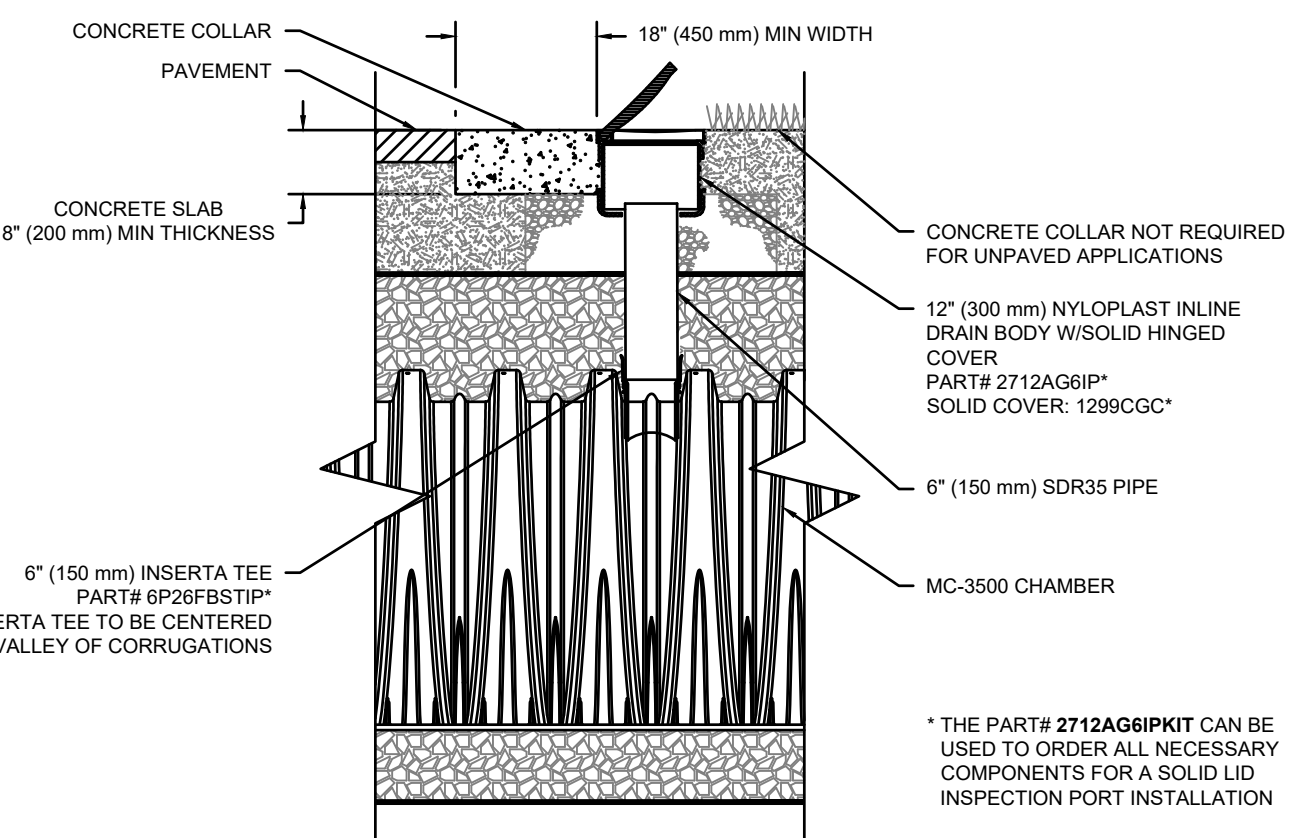


NOTE 1:

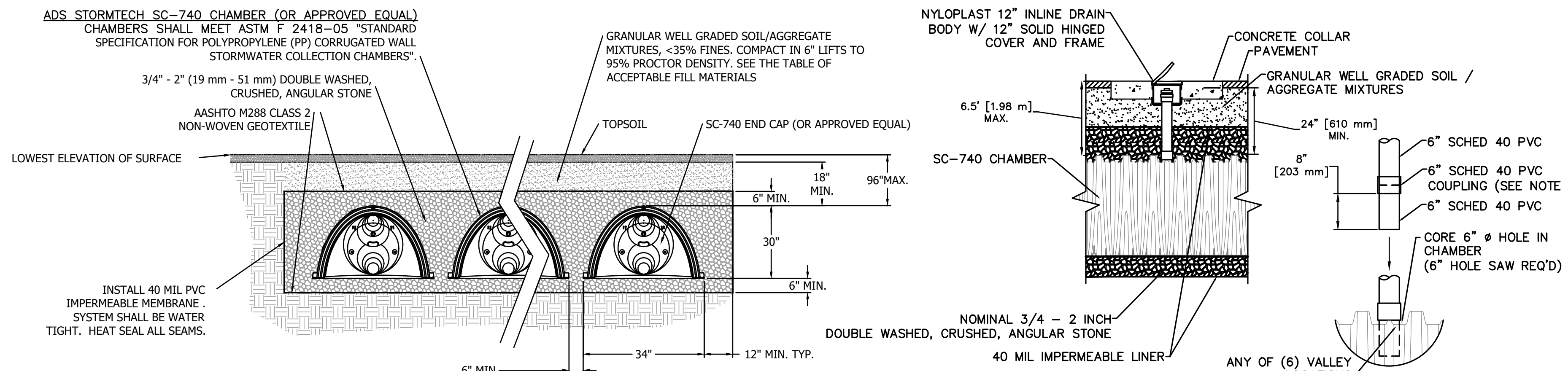
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.
3. STRUCTURE DESIGNED FOR H2O LOADING

WATER QUALITY STRUCTURE DETAIL
NOT TO SCALE

PLANES: 1/8\"/>



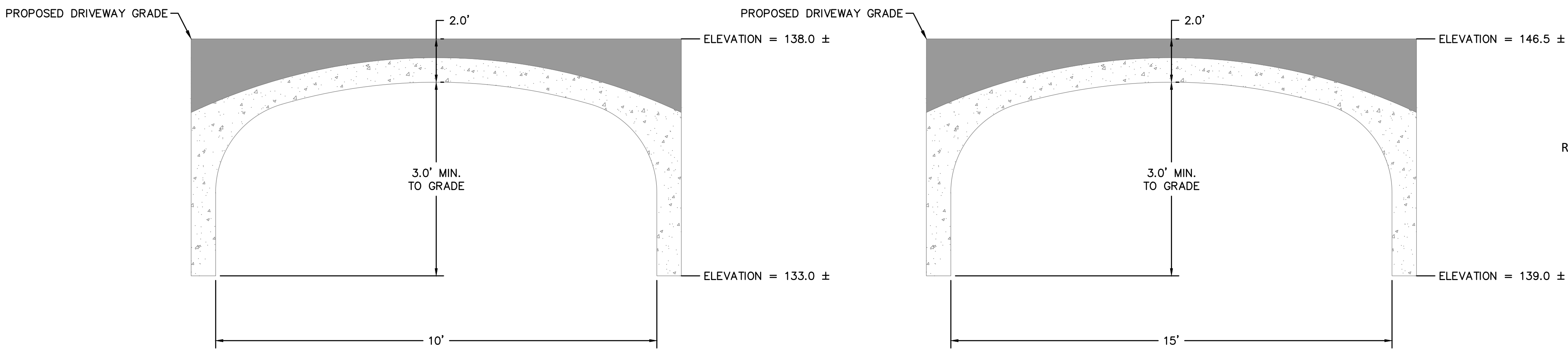
MC-3500 6" (150 mm) INSPECTION PORT DETAIL
NTS



CROSS SECTION
NOT TO SCALE

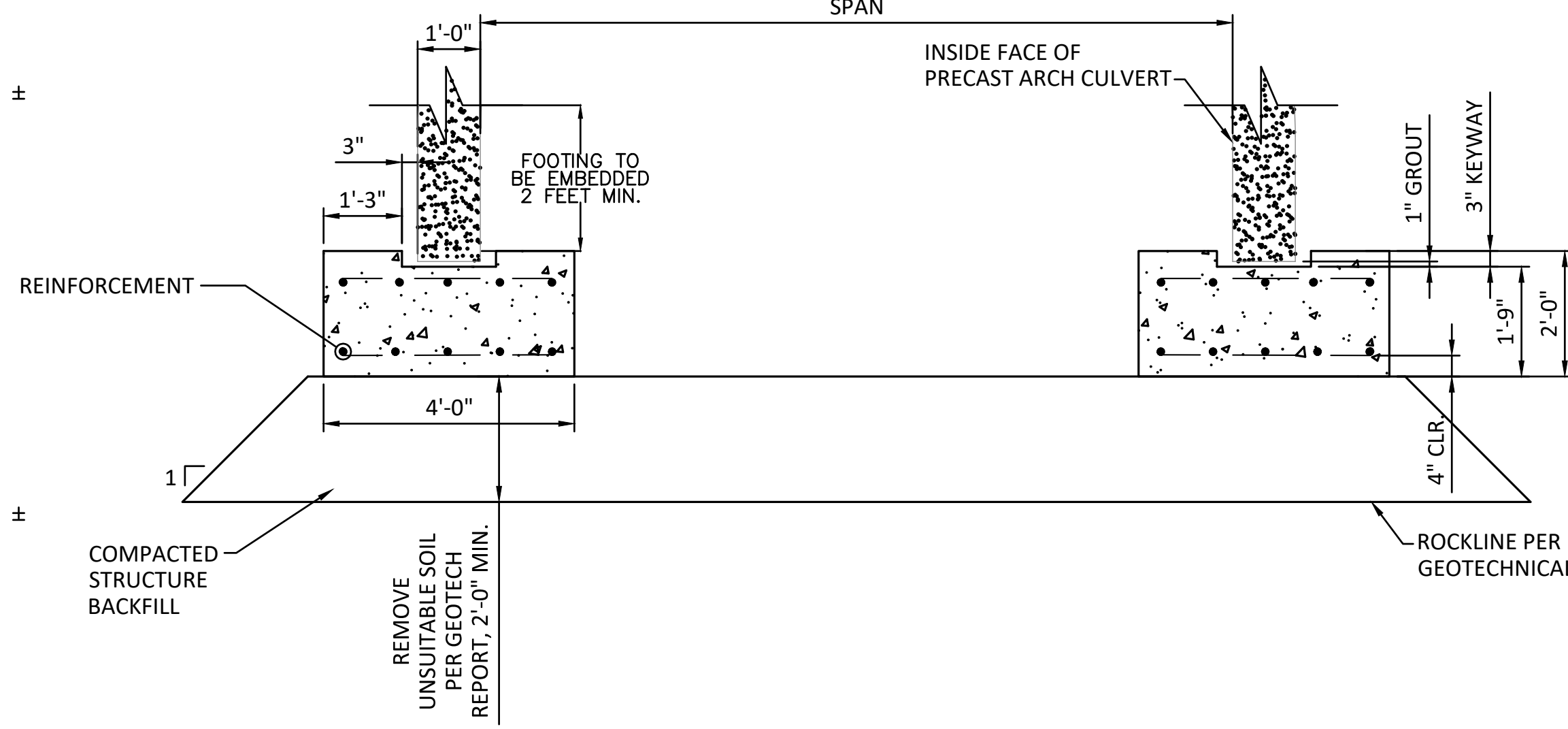
- NOTES:
- 1) DETAILS PROVIDED ARE FOR GENERAL REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER ON THE DESIGN SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 - 2) THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS, WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCE.
 - 3) PERIMETER STONE MUST ALWAYS BE BROUGHT UP EVENLY WITH BACKFILL OF BED. PERIMETER STONE MUST EXTEND HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH STRAIGHT OR SLOPED SIDEWALLS.
 - 4) INSPECTION PORTS MAY BE CONNECTED THROUGH ANY OF (6) CHAMBER CORRUGATION VALLEYS
 - 5) ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.

STORMTECH SC-740
SUBSURFACE DETENTION SYSTEM CROSS SECTION
NOT TO SCALE

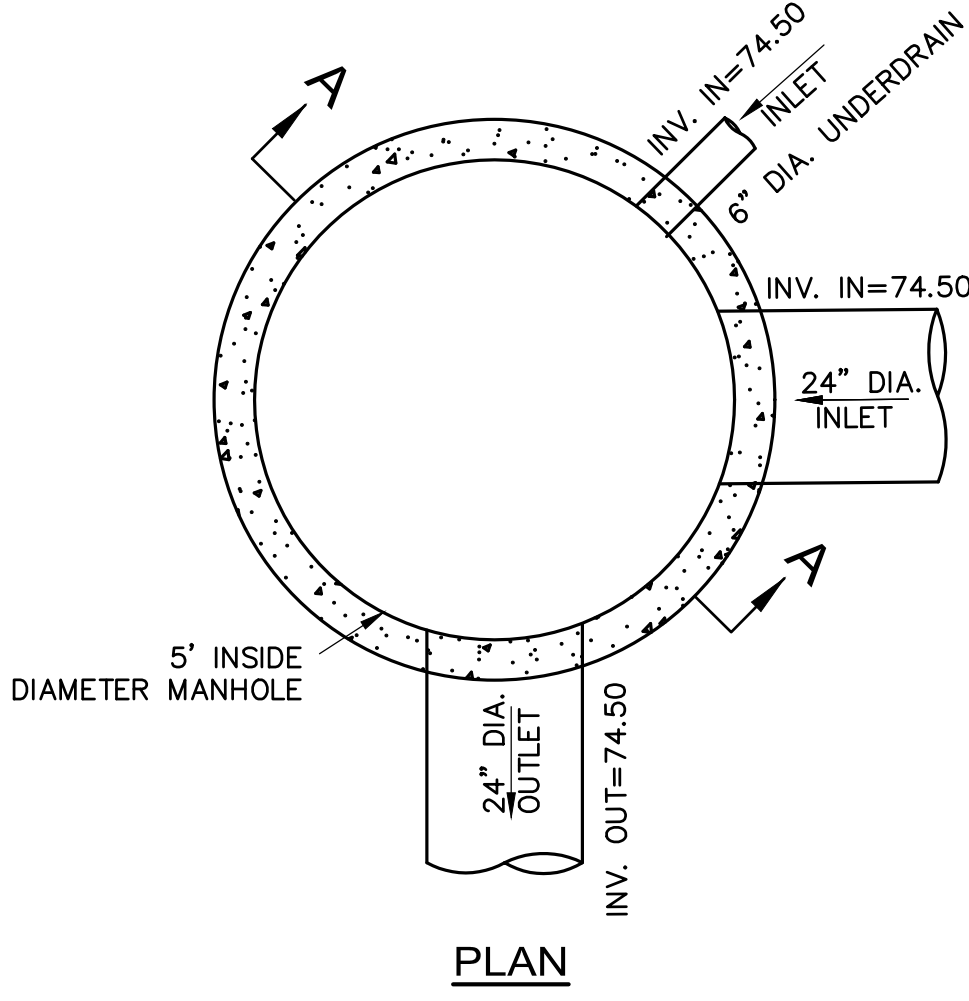


10' PRECAST CULVERT
NOT TO SCALE

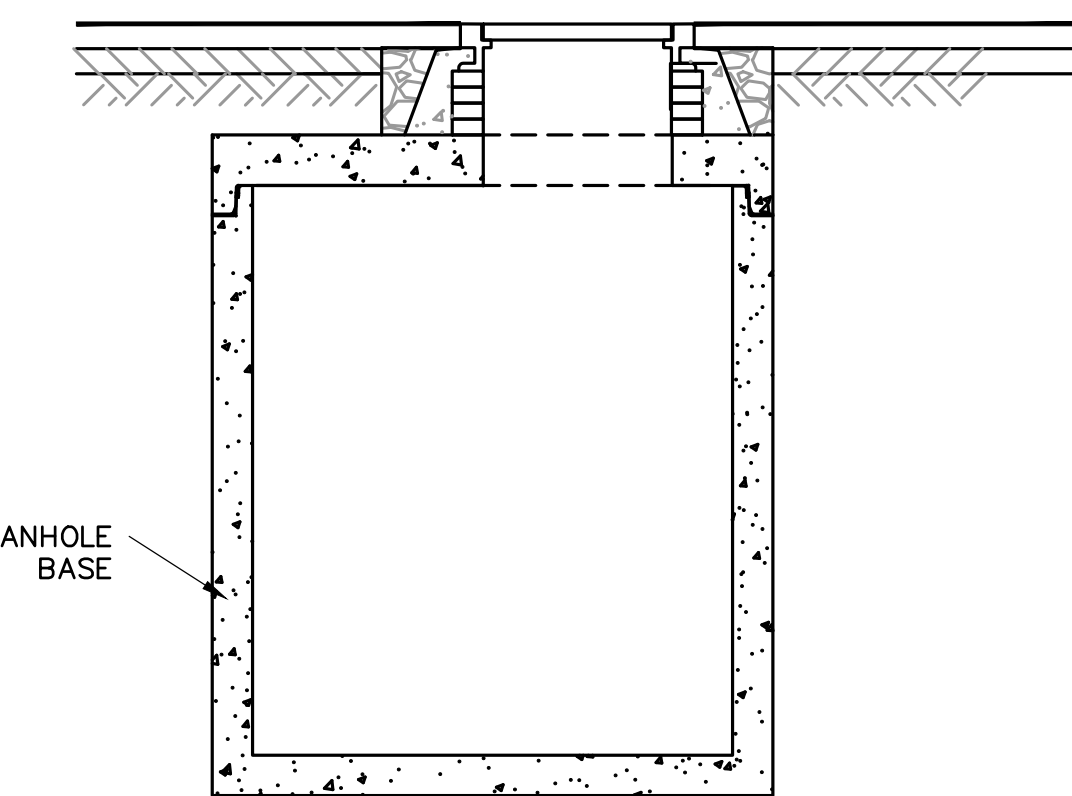
15' PRECAST CULVERT
NOT TO SCALE



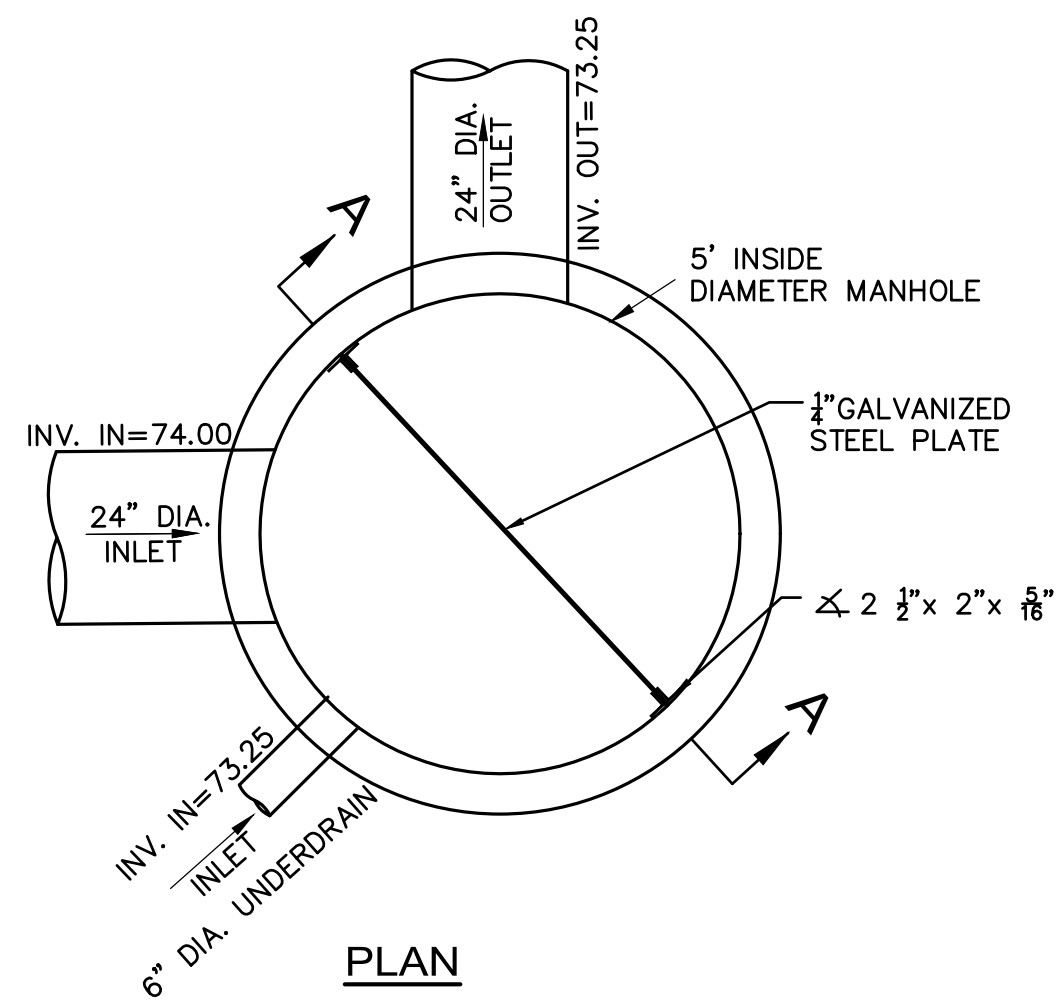
PRECAST CULVERT - FOUNDATION DETAIL
NOT TO SCALE



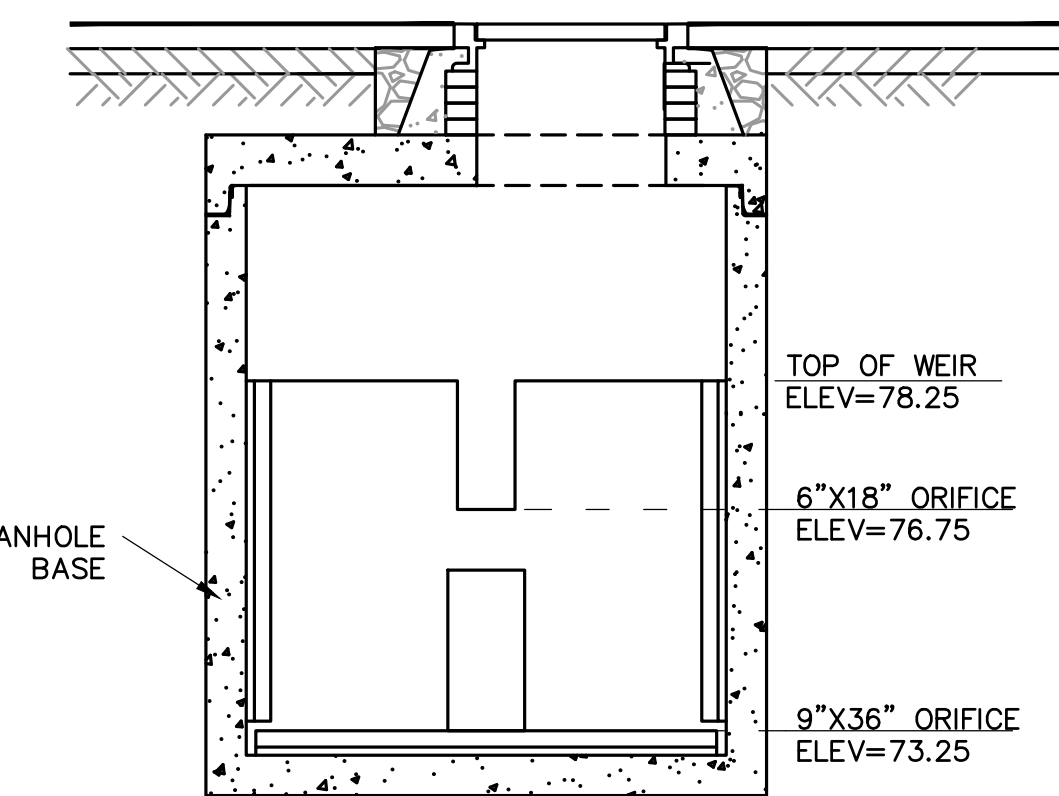
PLAN



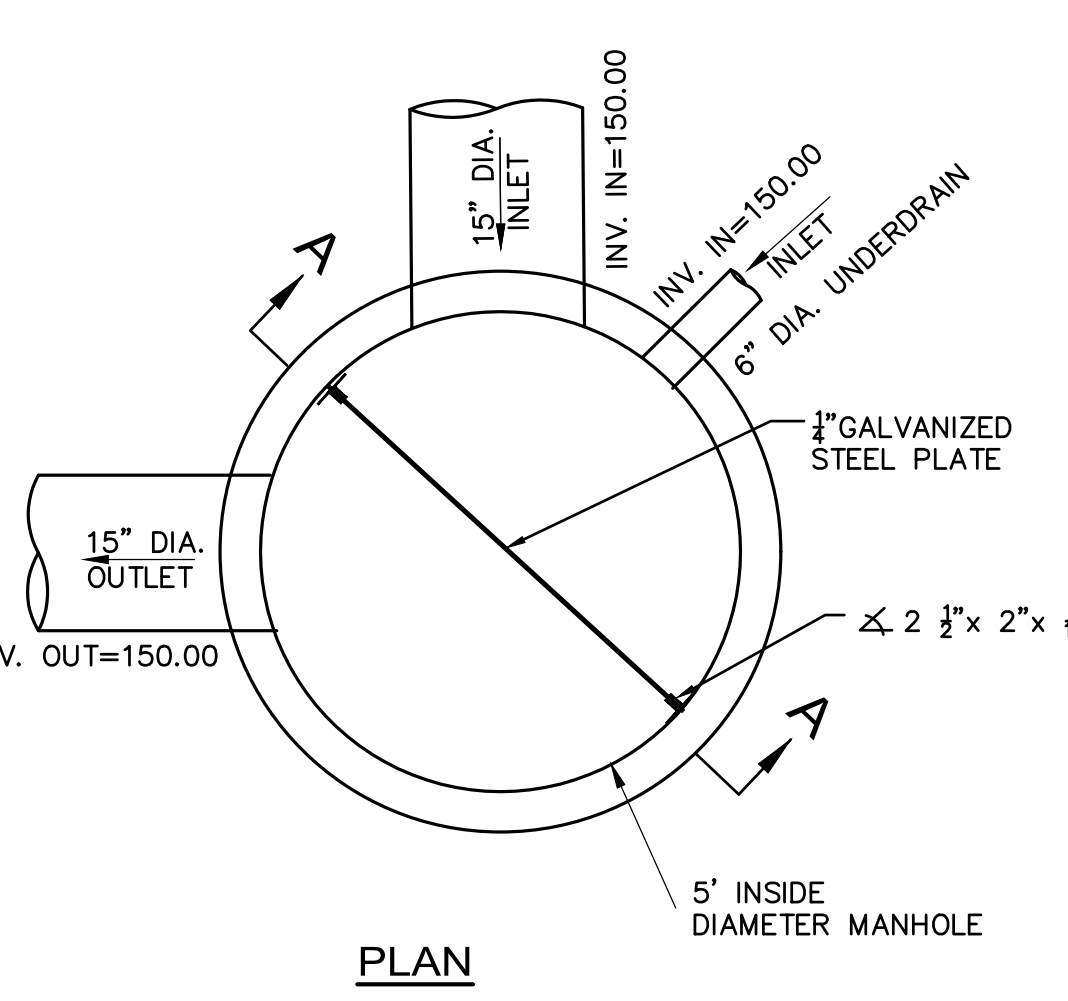
SECTION A-A
OUTLET CONTROL STRUCTURE - OCS 401
(SUBSURFACE SYSTEM #1)
NOT TO SCALE



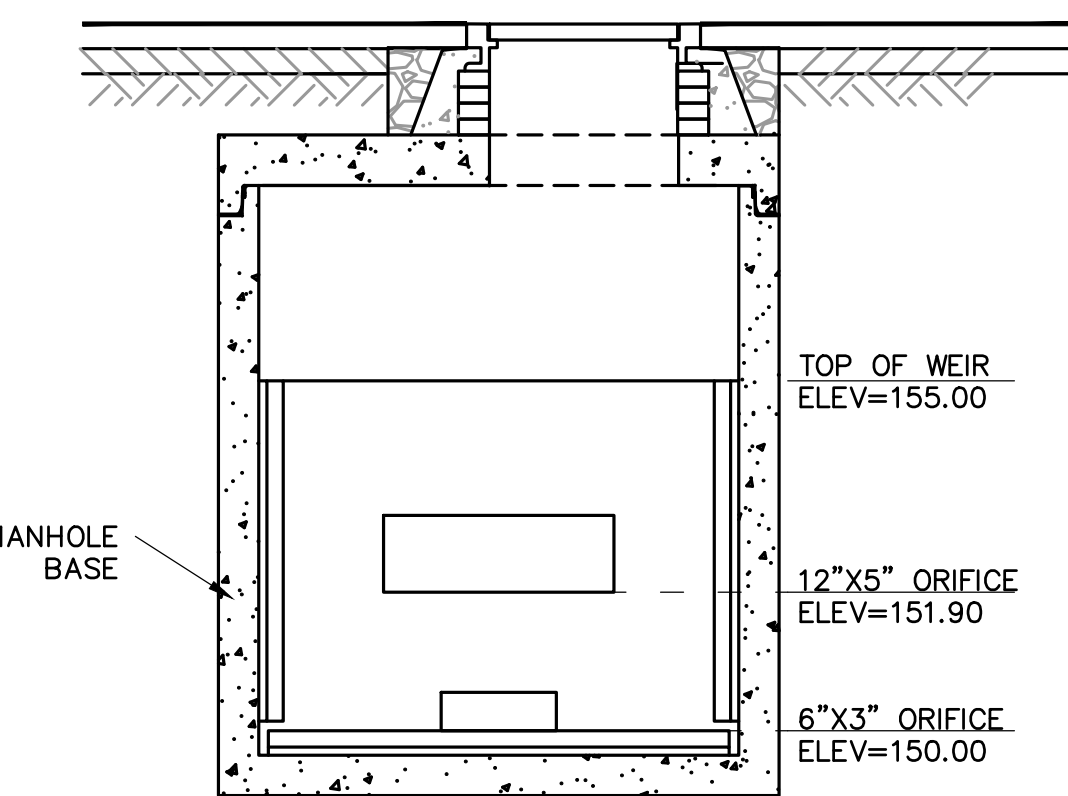
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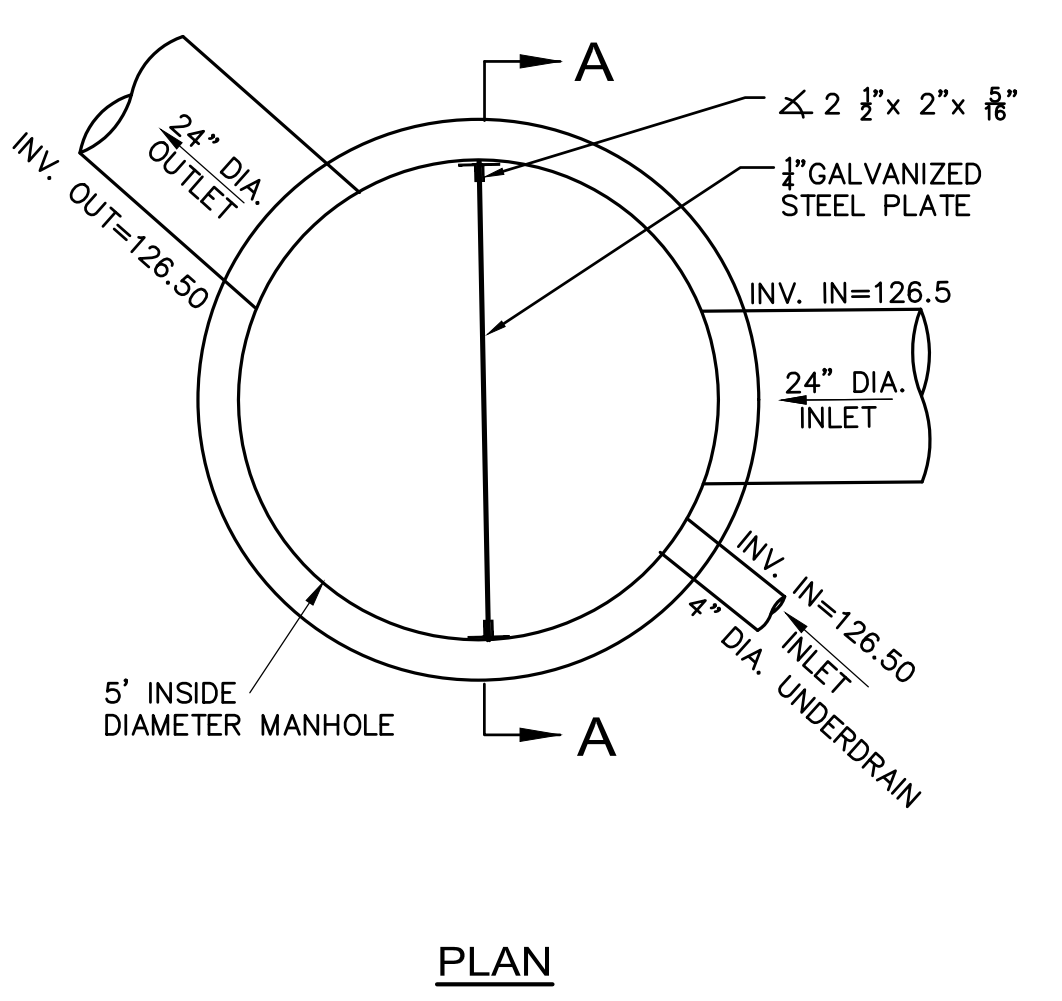
SECTION A-A
OUTLET CONTROL STRUCTURE - OCS 402
(SUBSURFACE SYSTEM #2)
NOT TO SCALE



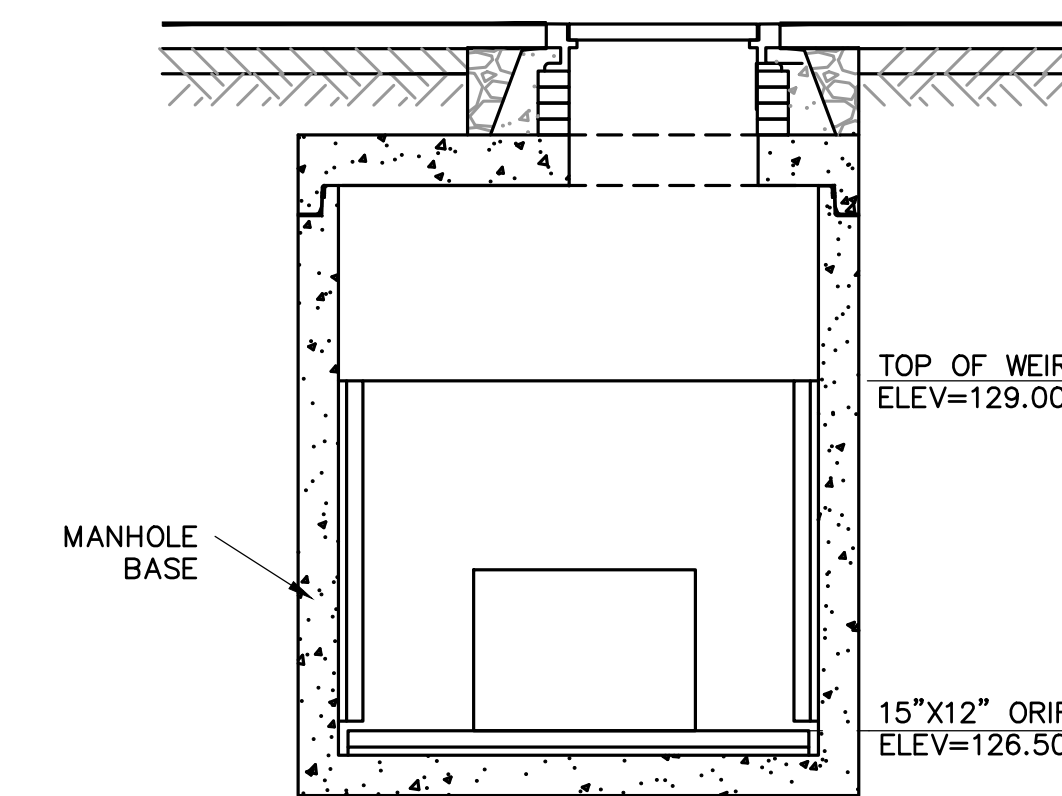
PLAN



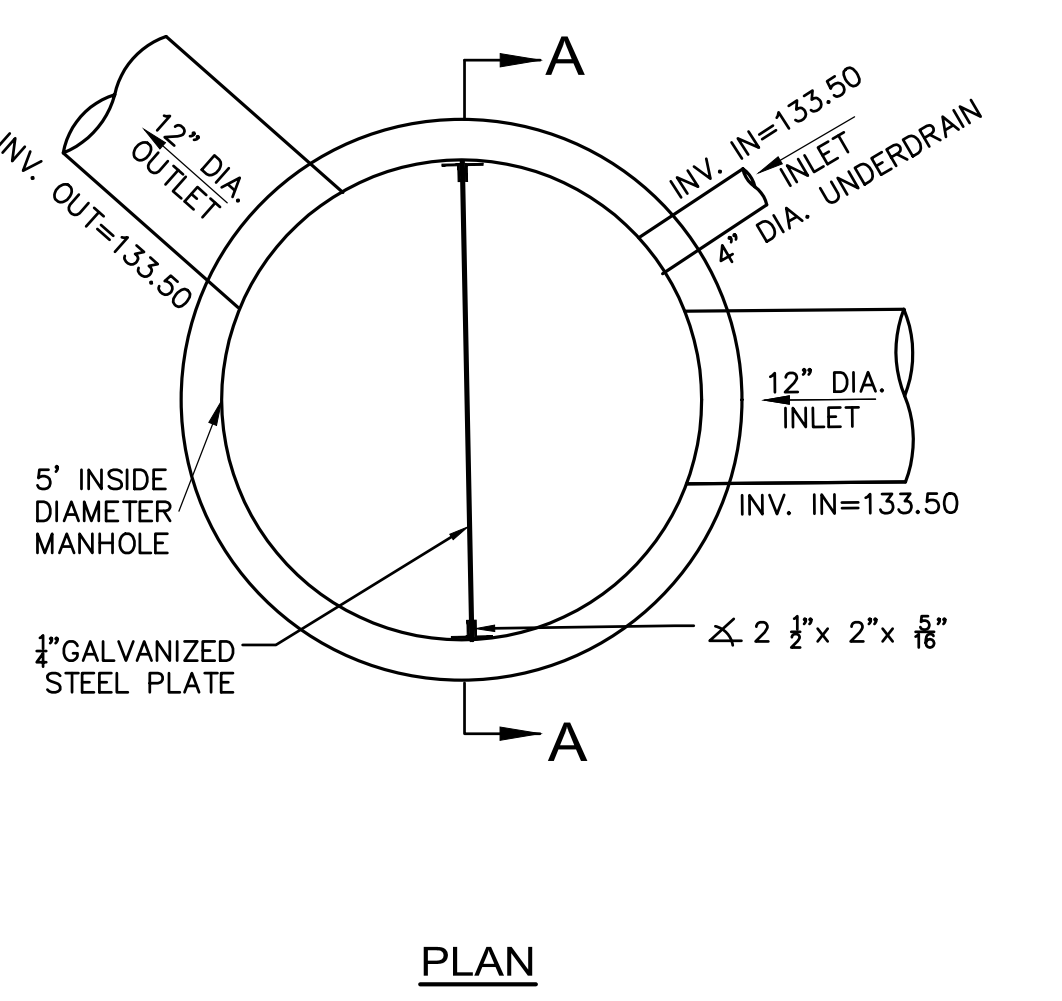
SECTION A-A
OUTLET CONTROL STRUCTURE - OCS 403
(SUBSURFACE SYSTEM #3)
NOT TO SCALE



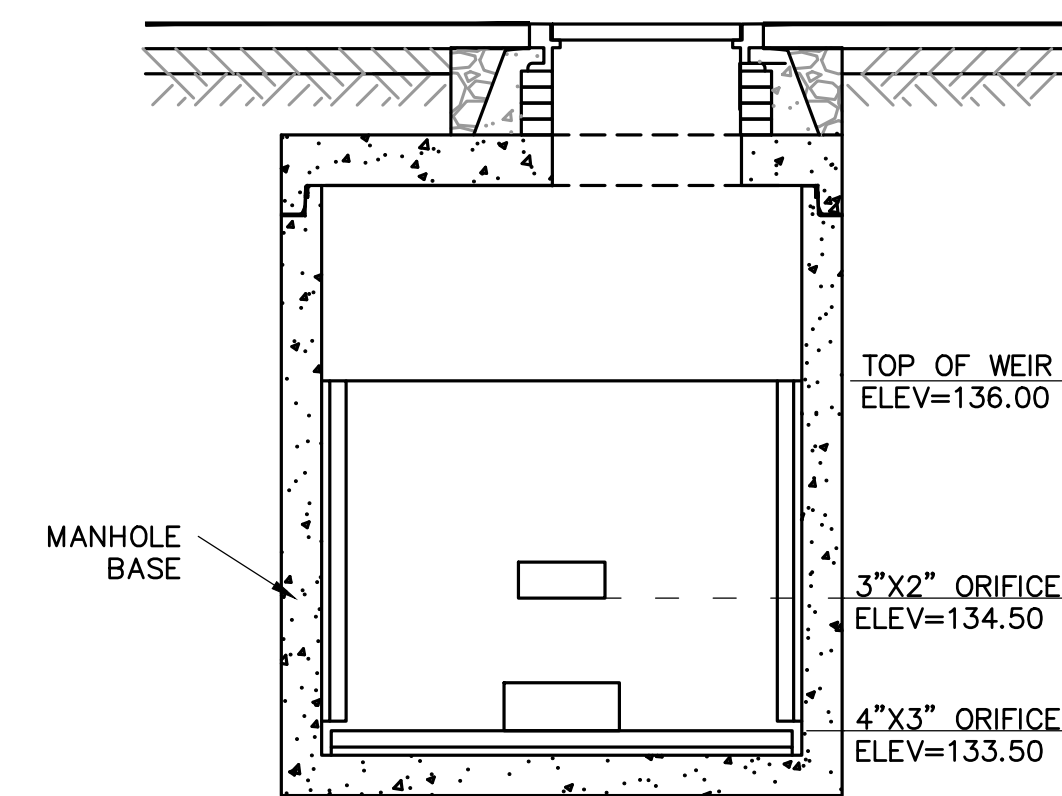
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SECTION A-A
OUTLET CONTROL STRUCTURE - OCS 404
(SUBSURFACE SYSTEM #4)
NOT TO SCALE



PLAN

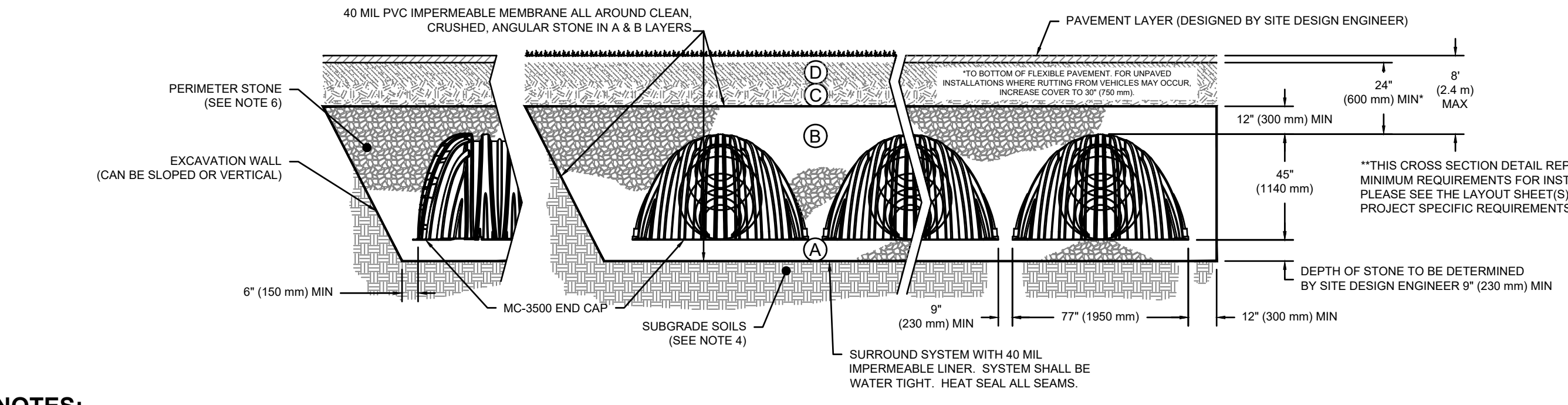


SECTION A-A
OUTLET CONTROL STRUCTURE - OCS 405
(SUBSURFACE SYSTEM #5)
NOT TO SCALE

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS				
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR OTHER ENGINEERS PLANS. CHECK PLANS FOR PAVEMENT / SUBGRADE REQUIREMENTS	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS
C	INITIAL FILL FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDEDMENT STONE (B LAYER) TO 24" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER	GRANULAR WELL-GRADED SOIL/AGGREGATE MATERIALS - <5% FINES OR MOST PAVEMENT SUBBASES CAN BE USED IN LAYER OF THIS CHAMBER	AASHTO M3445 ¹ A-1, A-2.4, A-3 OR AASHTO M447 ¹ 3. 397, 4.47, 5.46, 6.07, 6.77, 6.88, 7.88, 8.99, 9.10	1200 COMPACT AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS PROCEEDED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL-GRADED MATERIAL, AND 90% RELATIVE DENSITY FOR PROPOSED AGGREGATE MATERIALS.
B	EMBEDEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M31 ¹ 3.4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M31 ¹ 3.4	FLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{1,2}

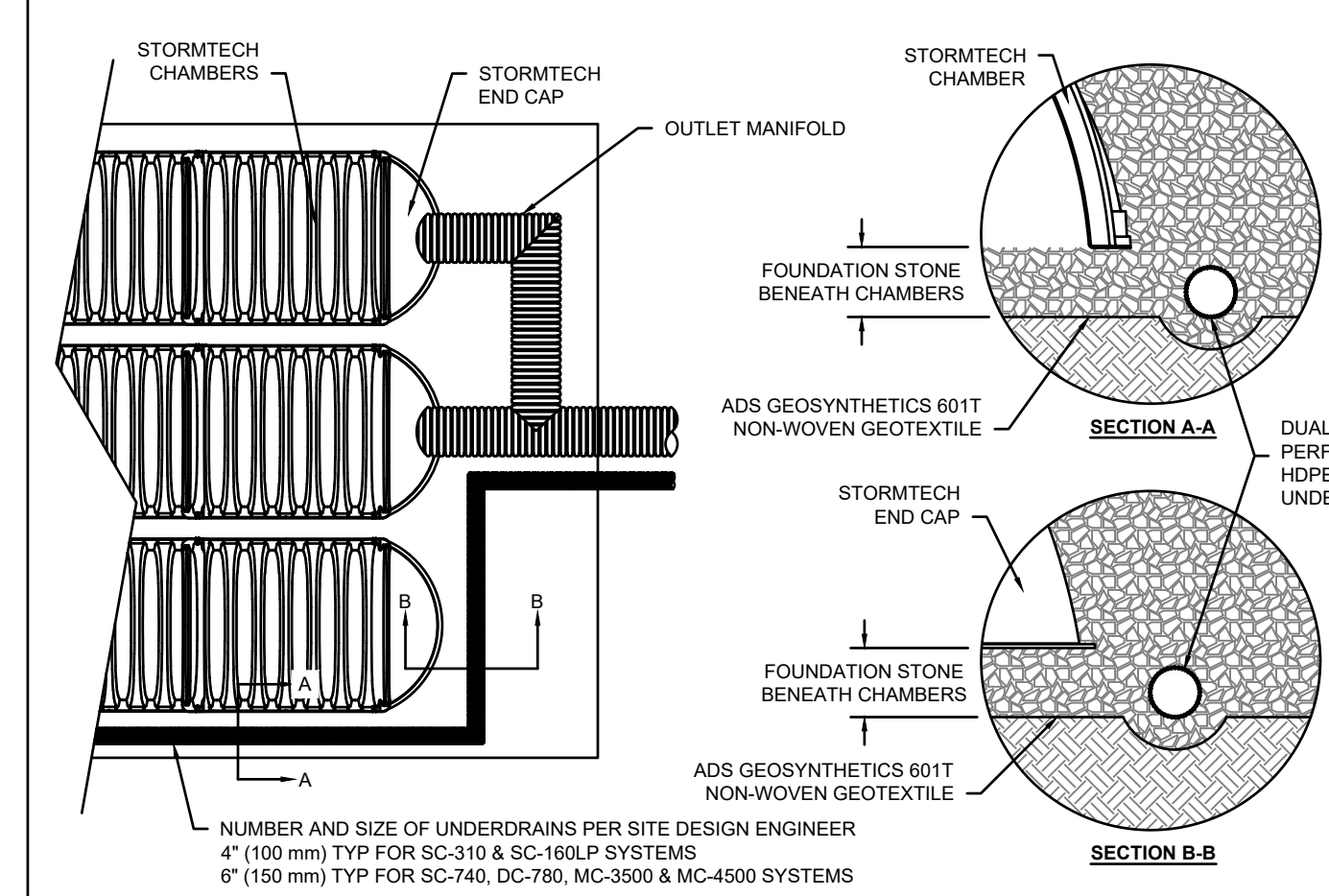
PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M44) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'K' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6\"/>



- NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45/578 DESIGNATION SS.
 2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL, FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 5. REQUIREMENTS FOR HANDLING AND INSTALLATION.
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 1\"/>

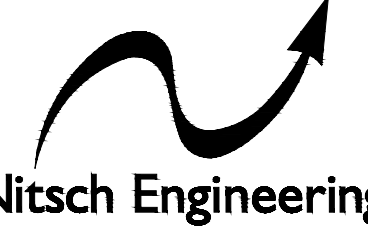
MC-3500 CROSS SECTION DETAIL



UNDERDRAIN DETAIL

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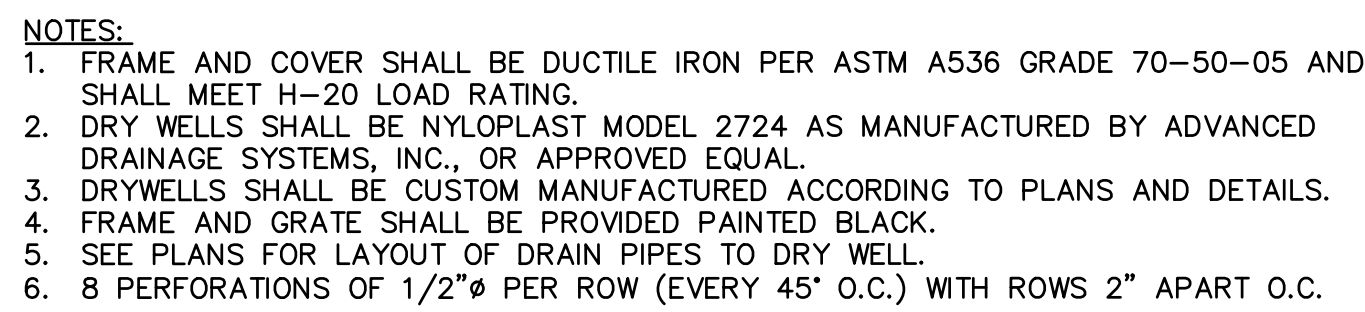
EARLY SITE
PREPARATION
CONTRACT
DOCUMENTS

JANUARY 13, 2023

CIVIL SITE DETAILS IV

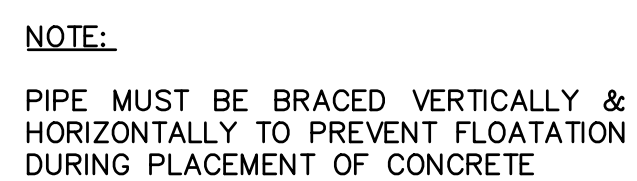
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Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2001

C-703



MINI DRY WELL DETAIL

NOT TO SCALE

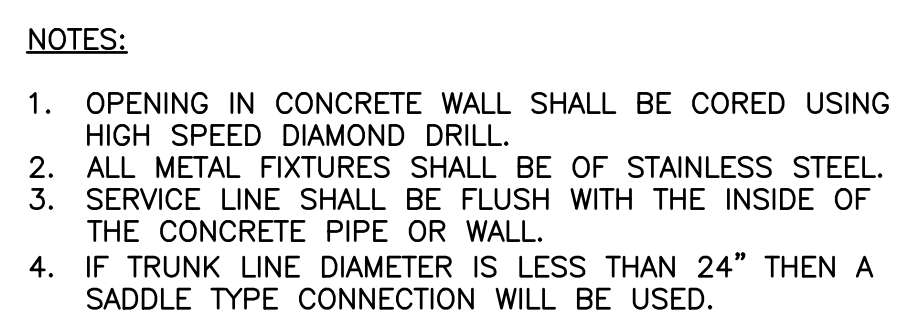


CONCRETE ENCASEMENT DETAIL AT UTILITY CROSSINGS

NOT TO SCALE



NOT TO SCALE



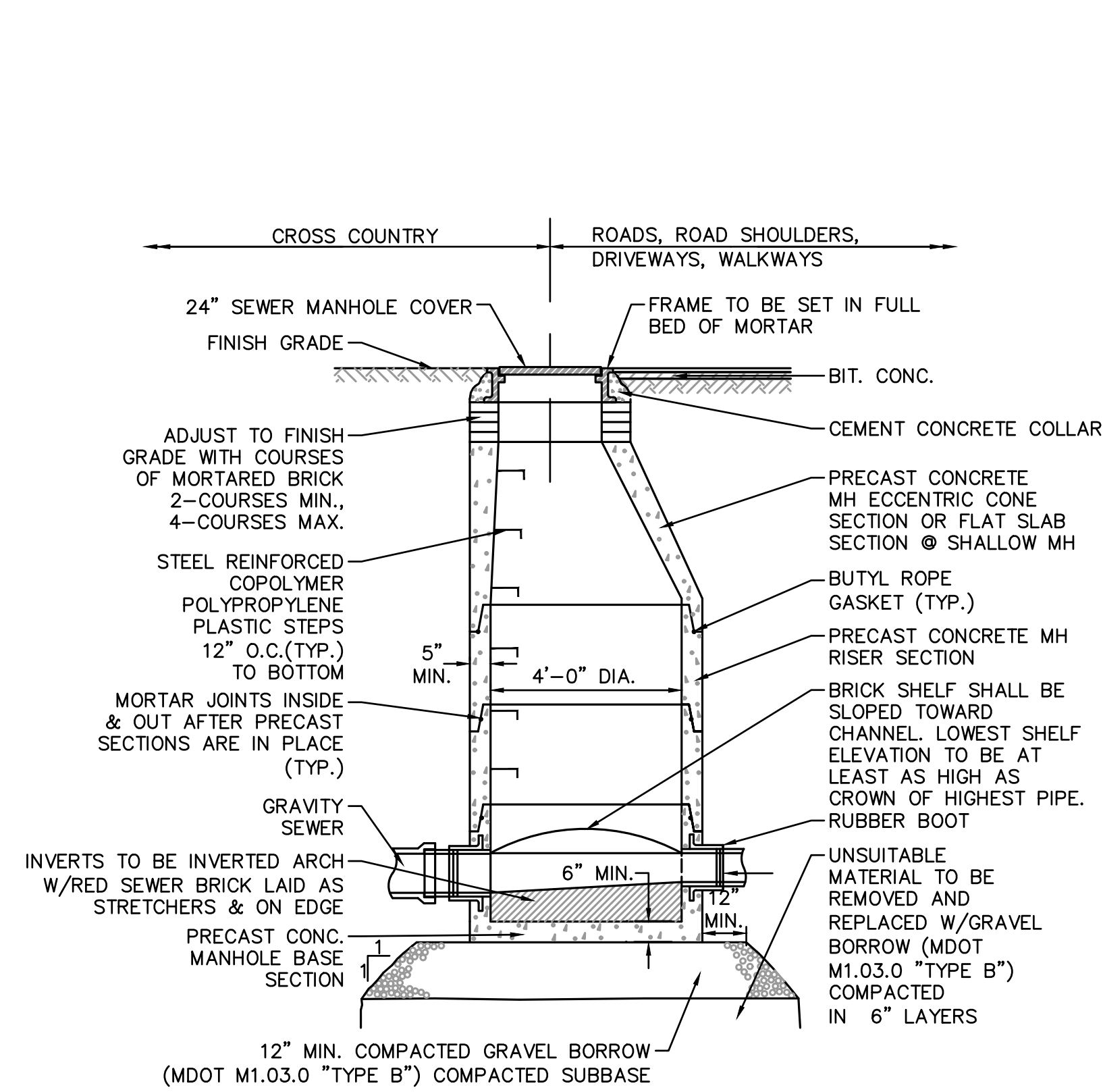
TYPICAL FIELD CONNECTION TO
CONCRETE MANHOLE DETAIL

NOT TO SCALE

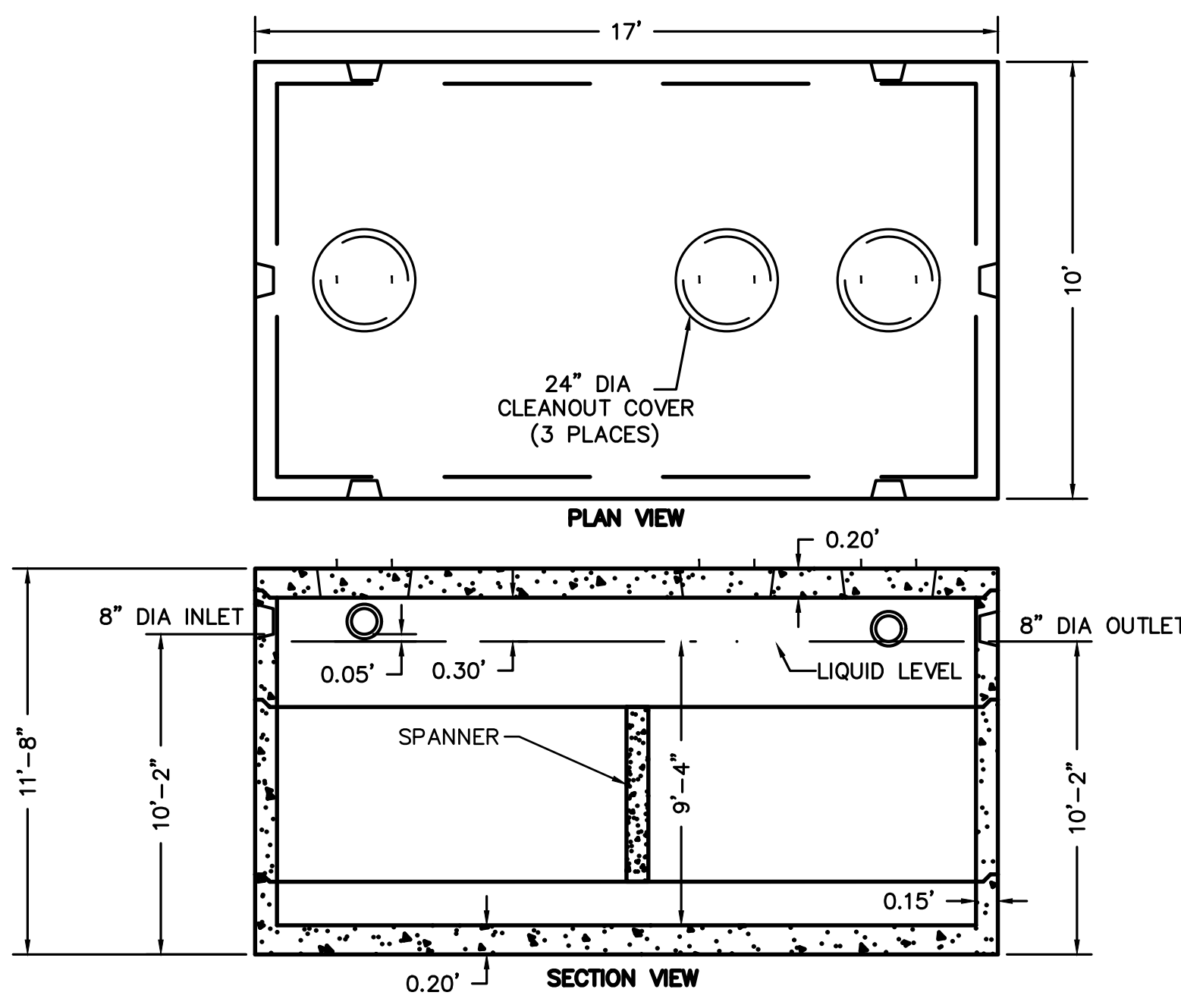
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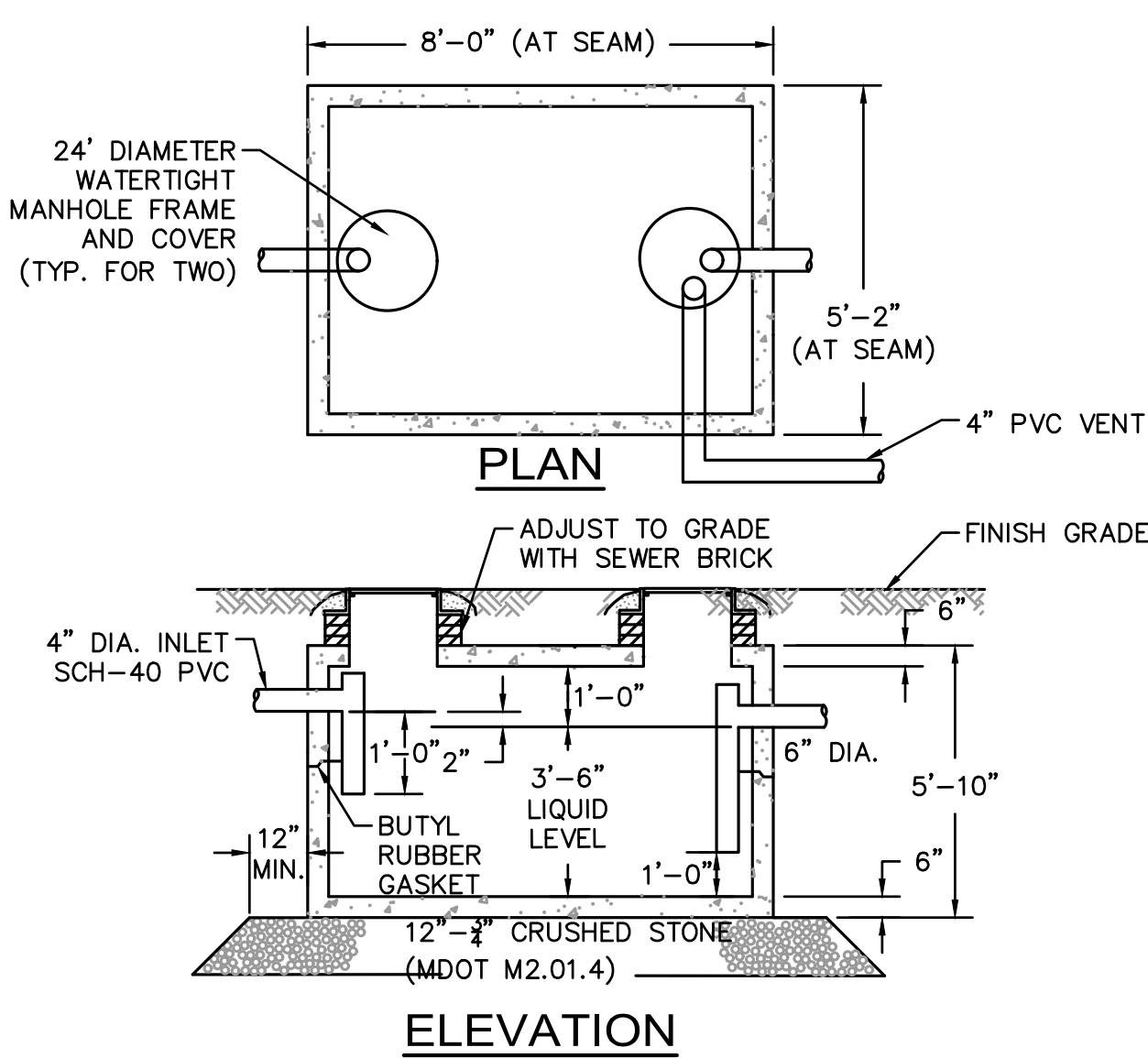


TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



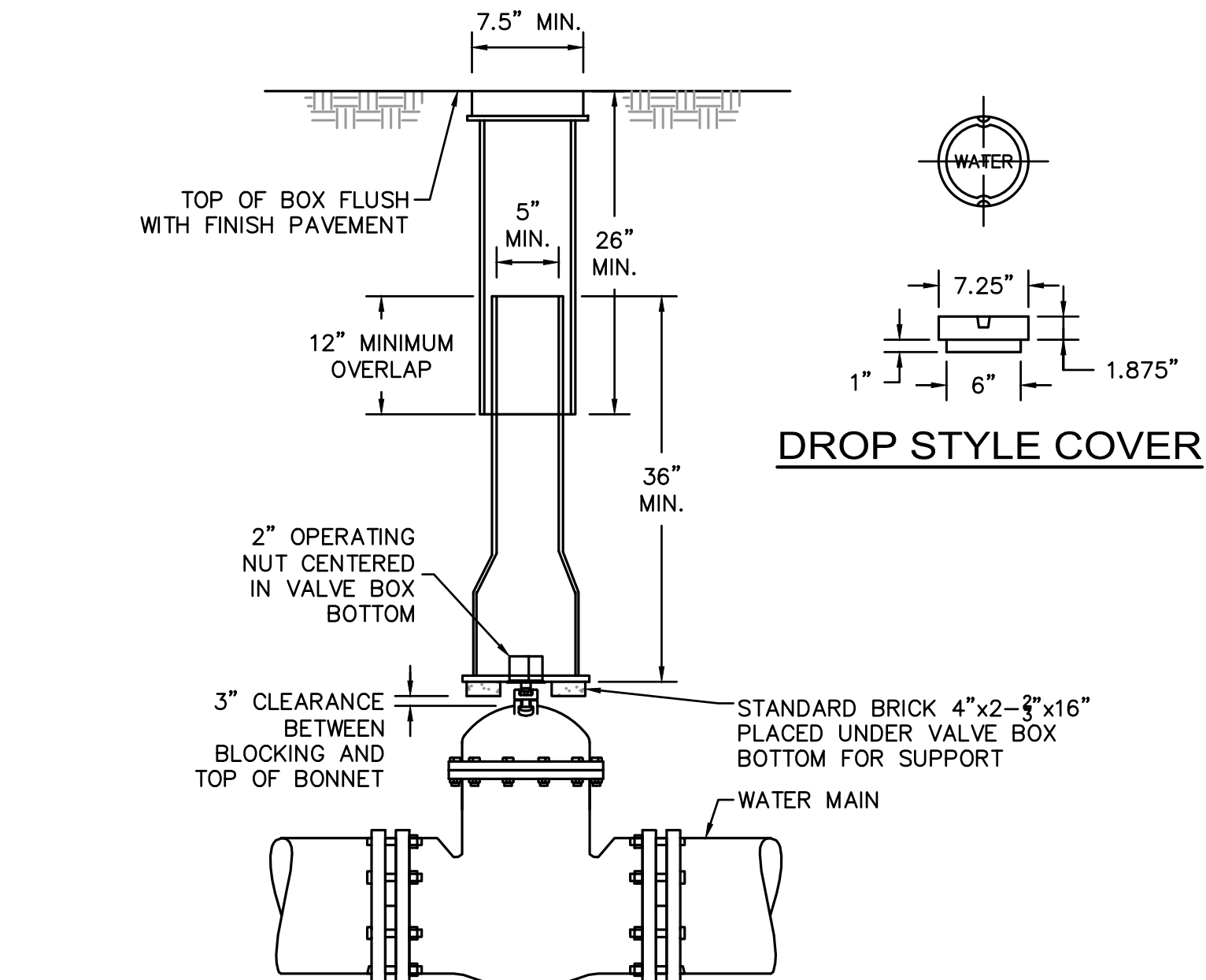
- SPECIFICATIONS:
1. CONCRETE, 5,000 PSI MINIMUM @ 28 DAYS
 2. CONSTRUCTION TO CONFORM TO DEP TITLE 5 REGULATIONS, 310 CMR
 3. ALL REINFORCEMENT PER ASTM C1227
 4. DESIGNED FOR AASHTO HS-20 LOADING, COVER 1-5 FEET
 5. TONGUE AND GROOVE JOINT SEALED WITH BUTYL RESIN
 6. WATER TABLE - 0 FEET
 7. TOTAL CAPACITY - 10,000 GALLONS

10,000 GALLON GREASE TRAP DETAIL
NOT TO SCALE



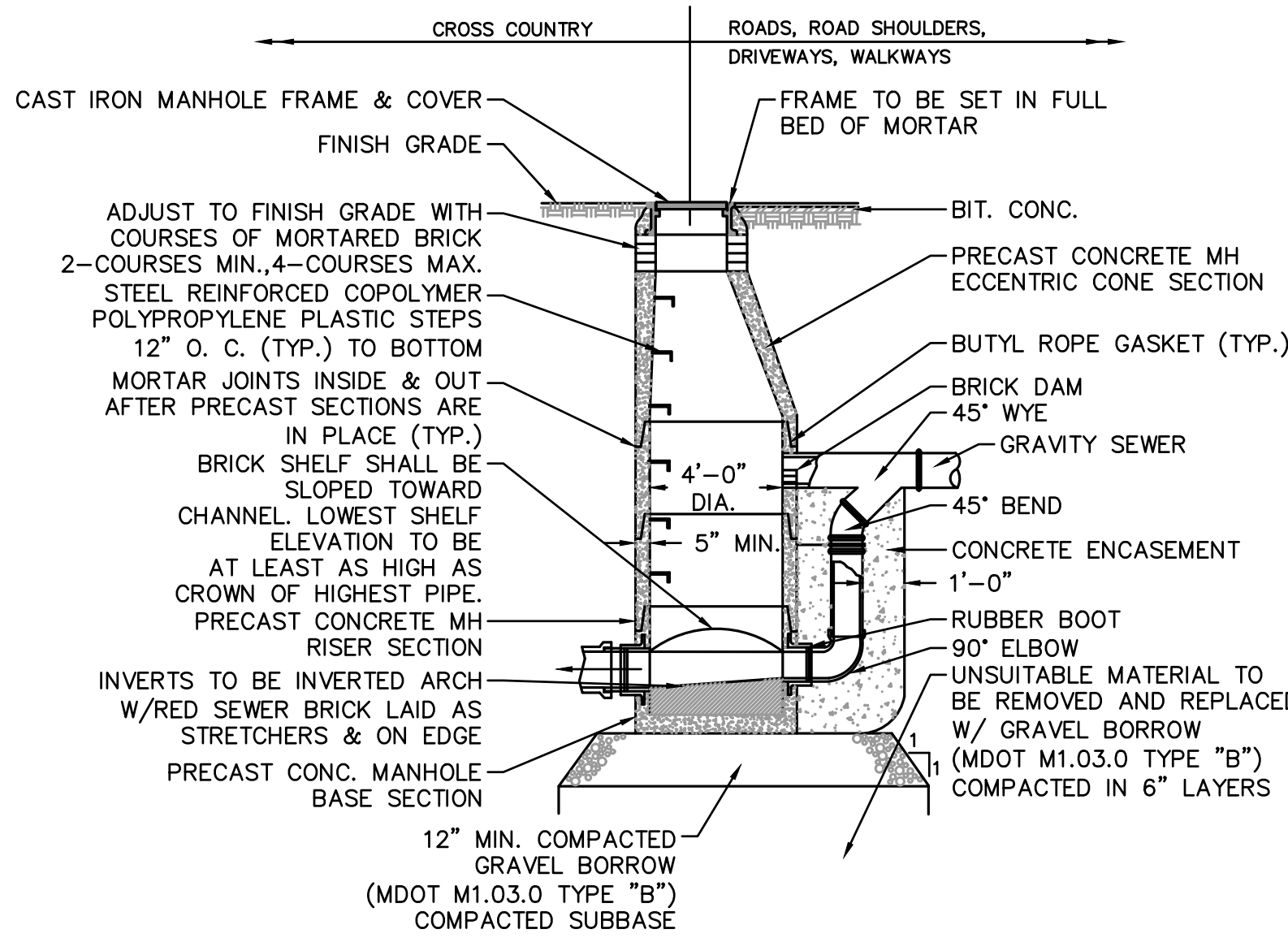
- SPECIFICATIONS:
1. CONCRETE MINIMUM STRENGTH - 4,000 PSI @ 28 DAYS
 2. STEEL REINFORCEMENT - ASTM A615 GR. 60, A185 OR A497 - 1" MIN. COVER
 3. DESIGN LOADING - AASHTO HS20-44 - EARTH COVER 0 TO 5 FEET MAX
 4. WATER TABLE - 0 FEET
 5. CONSTRUCTION JOINT - SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT
 6. TOTAL CAPACITY - 1,000 GALLONS
 7. CONSTRUCTION TO CONFORM TO DEP TITLE 5 REGULATIONS, 310 CMR.

1,000 GALLON GREASE TRAP DETAIL
NOT TO SCALE

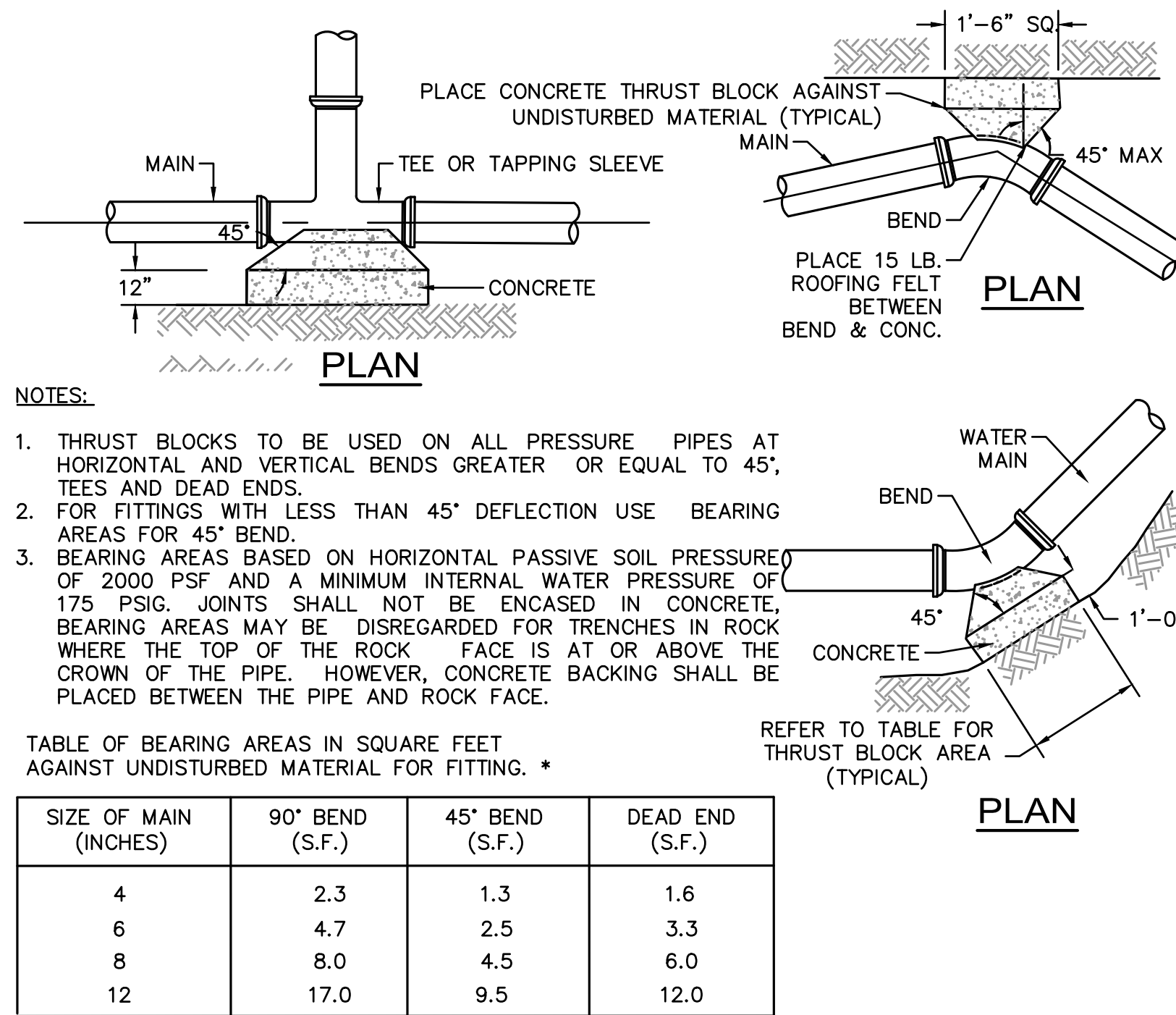


- NOTES:
1. ALL WATER MAINS SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 2. COVER MUST BE MARKED "WATER".

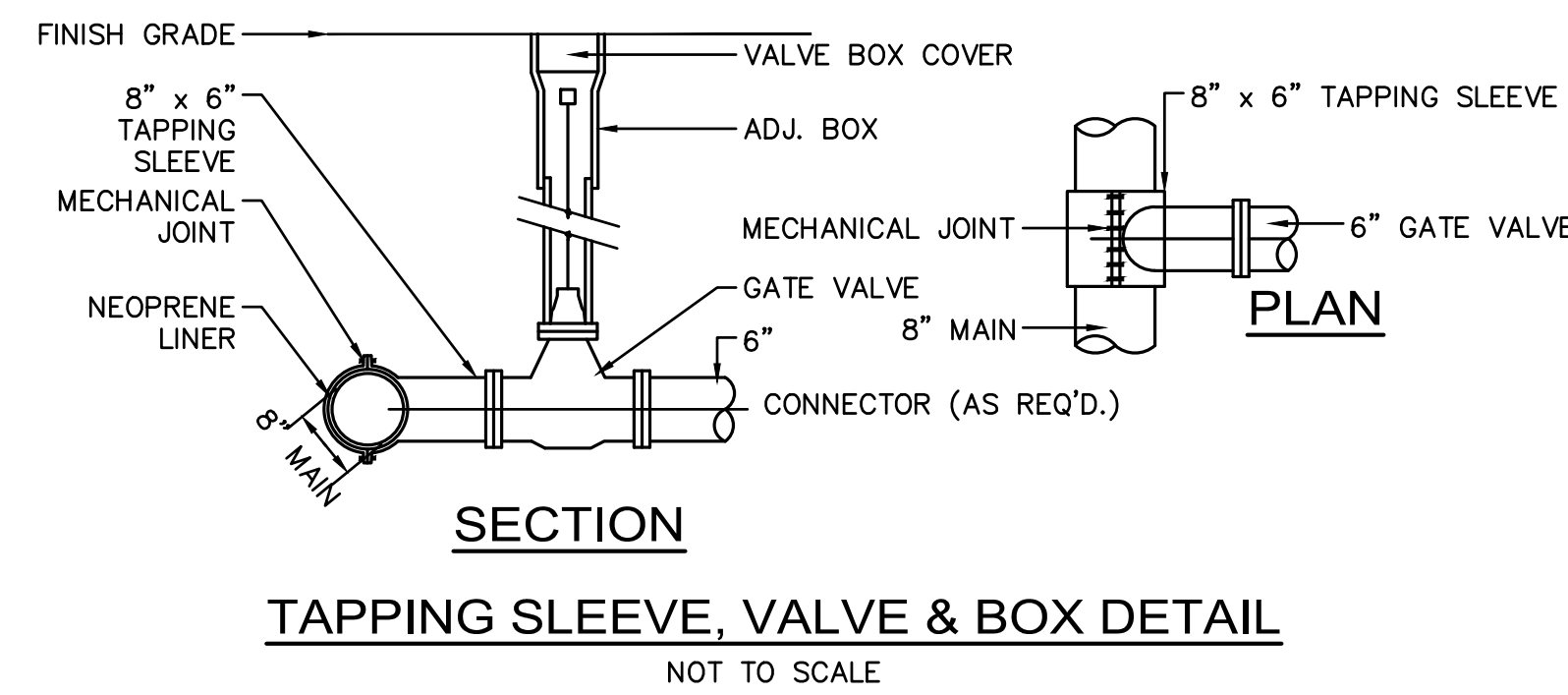
GATE VALVE BOX DETAIL
NOT TO SCALE



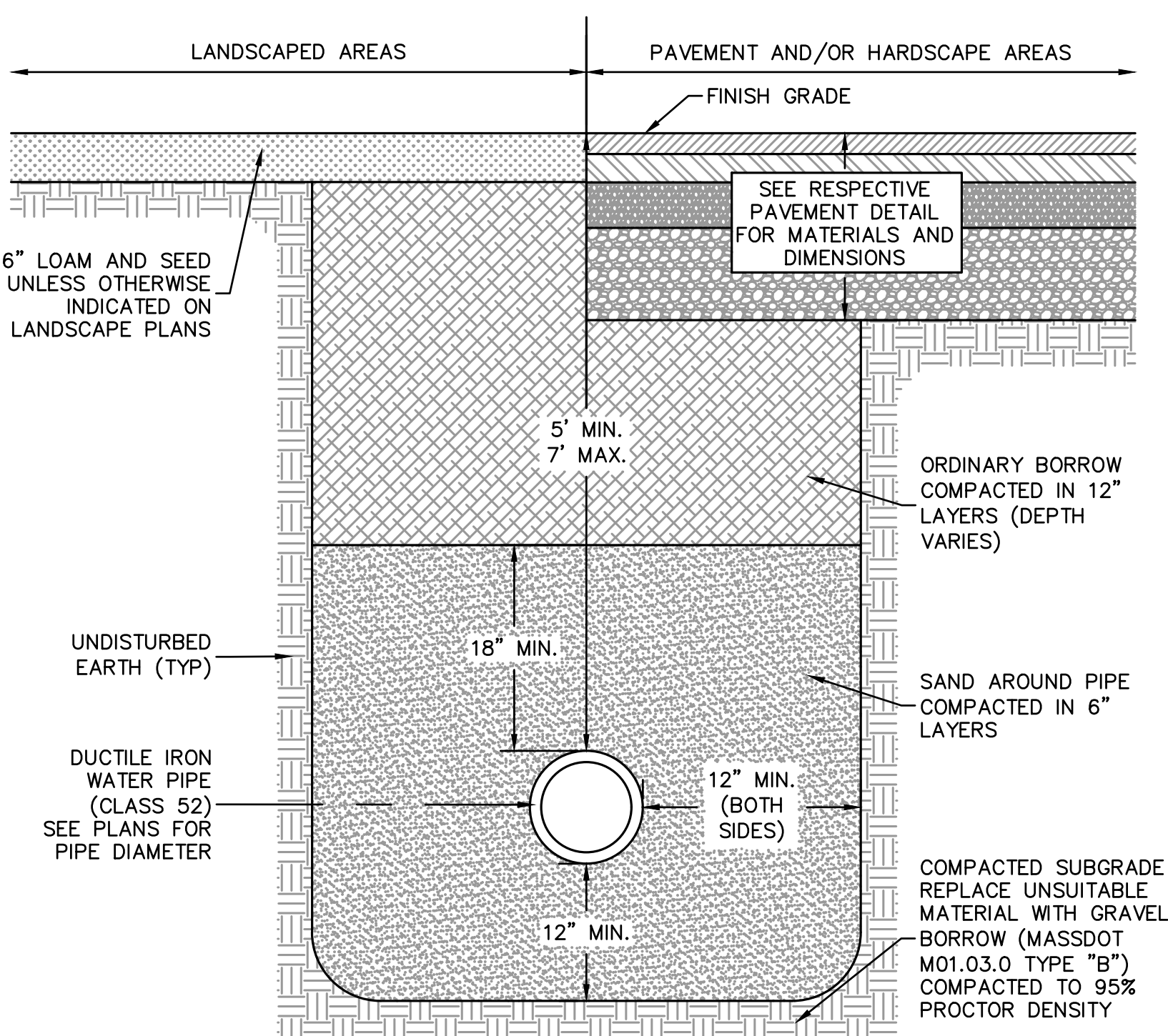
DROP SEWER MANHOLE DETAIL
NOT TO SCALE



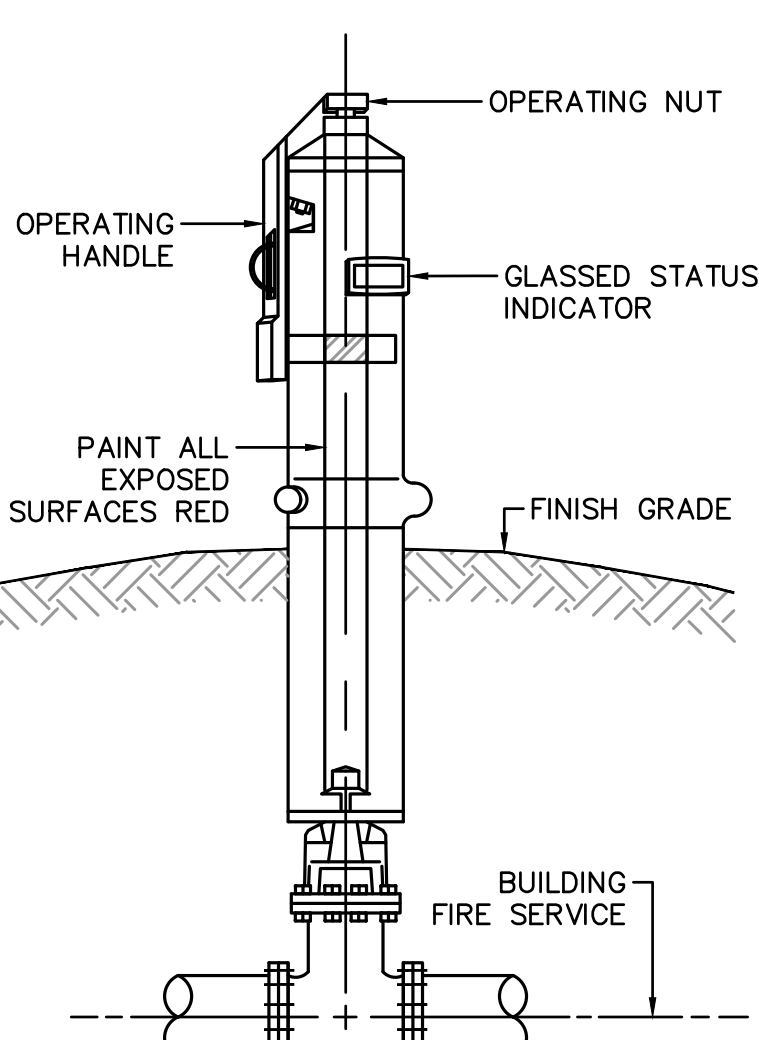
THRUST BLOCK DETAILS
NOT TO SCALE



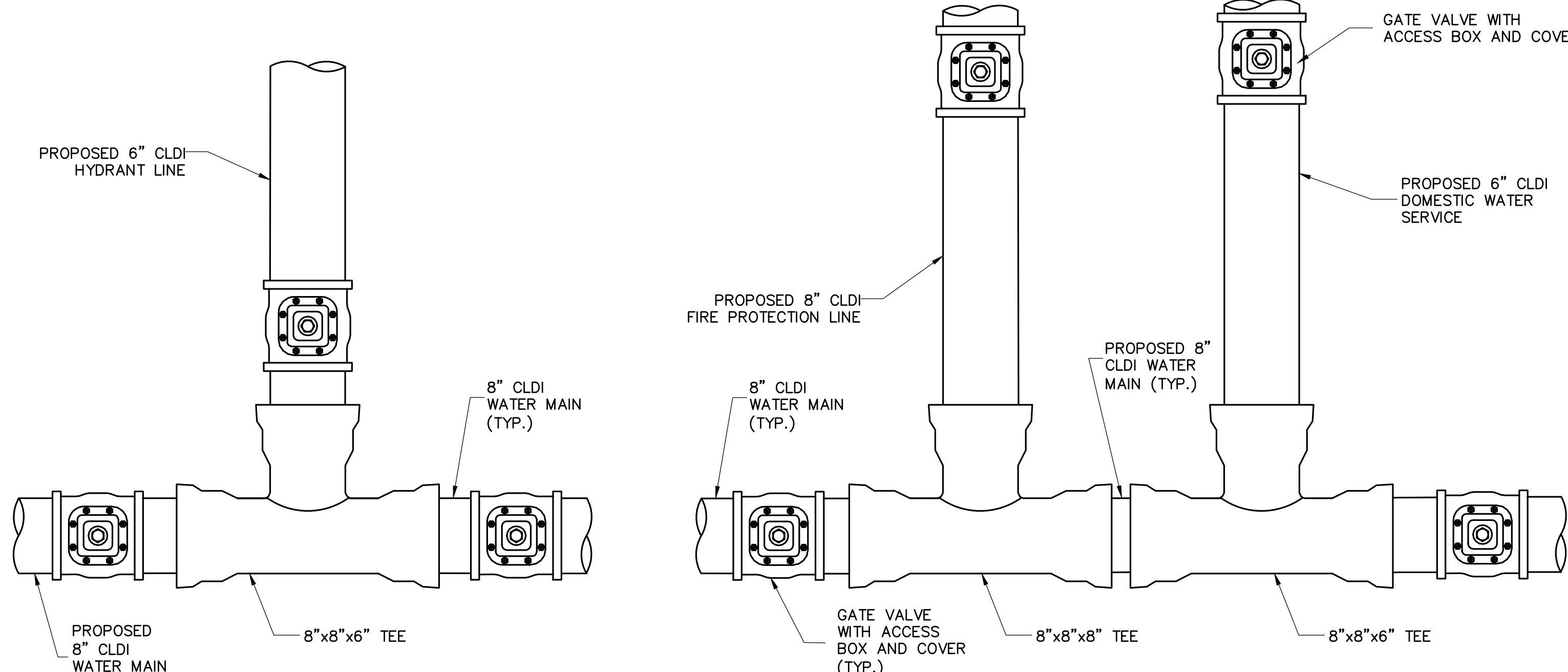
TAPPING SLEEVE, VALVE & BOX DETAIL
NOT TO SCALE



WATER TRENCH DETAIL
NOT TO SCALE



POST INDICATOR VALVE DETAIL
NOT TO SCALE



DOMESTIC/FIRE/HYDRANT WATER PIPE CONNECTIONS TO PROPOSED 8" WATER MAIN DETAIL
NOT TO SCALE

CIVIL SITE
DETAILS V

Scale: AS NOTED
Job No.: 13872
Drawn By: WL
Date: JANUARY 13, 2023
C-704

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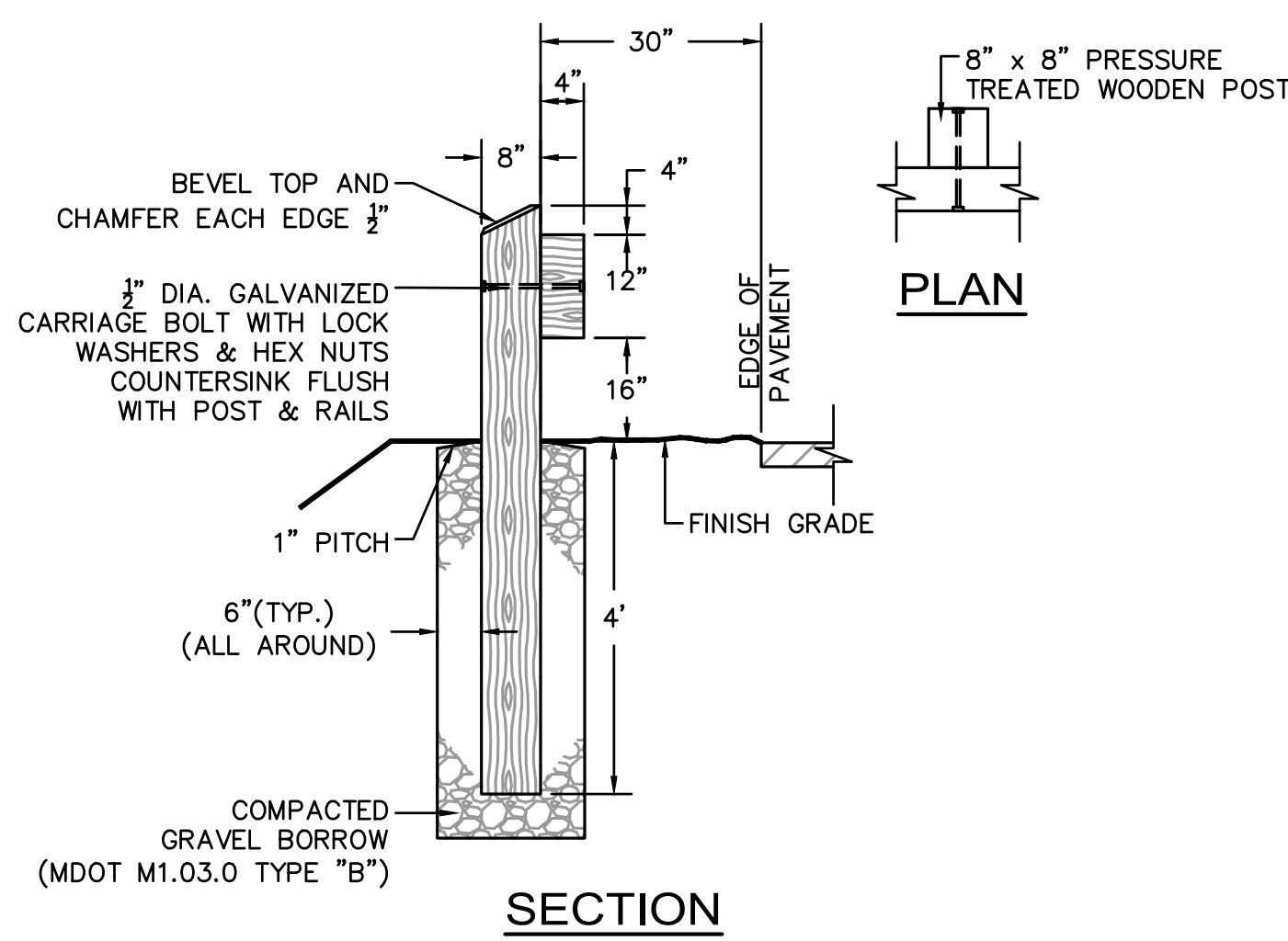
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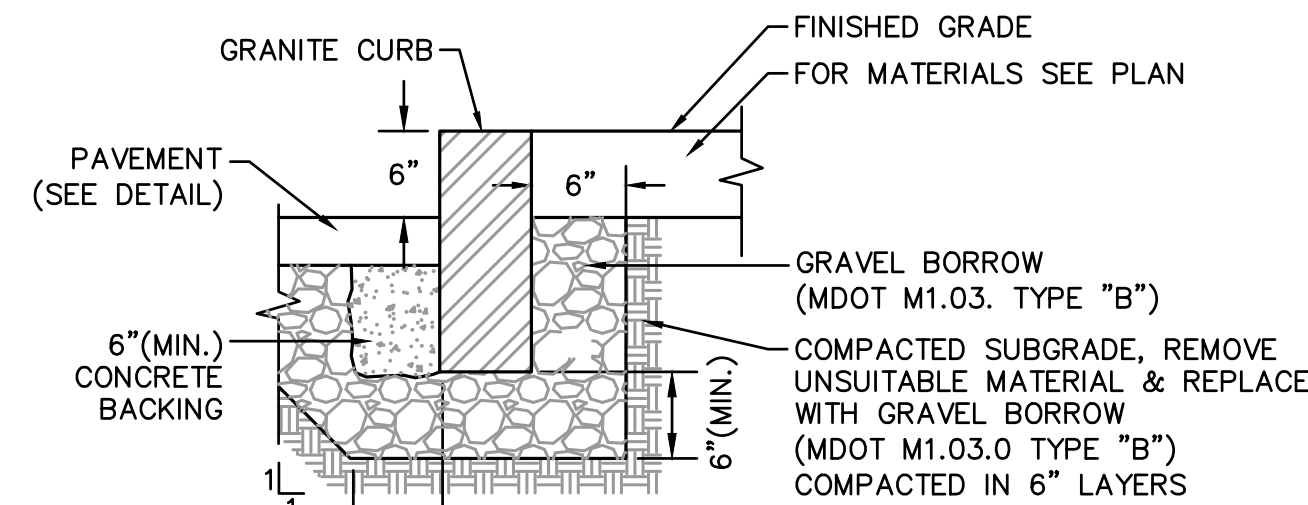


NOTES:

1. ALL WOOD SHALL BE SELECT STRUCTURAL GRADE SOUTHERN YELLOW PINE OR DOUGLAS FIR, S-4-S.
2. ALL WOOD SHALL BE FULL CELL PROCESS PRESSURE TREATED IN ACCORDANCE AWPB - LP33.
3. SPACE POSTS 7"-9" O.C. MAXIMUM.
4. RAIL ENDS SHALL BE BURIED OR HAVE A TERMINAL SECTION.
5. GUARD RAIL AND POST SHALL COMPLY WITH MDOT STANDARD SPECIFICATIONS M8.07.0.

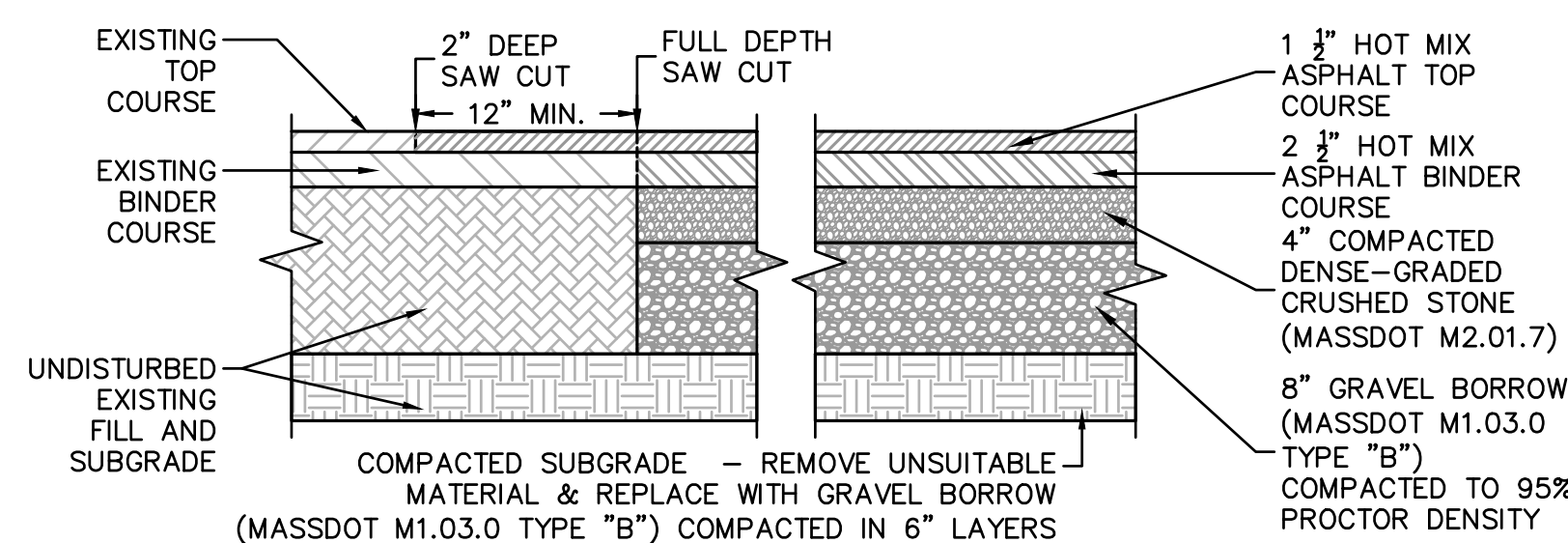
TIMBER GUARD RAIL DETAIL

NOT TO SCALE



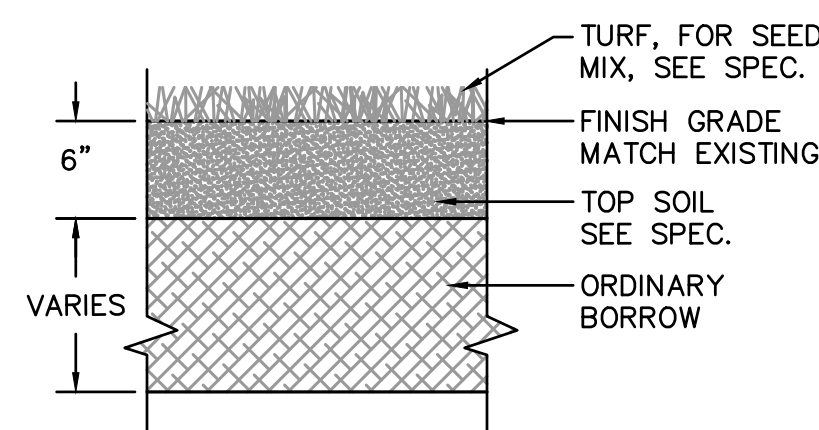
VERTICAL GRANITE CURB SETTING DETAIL

NOT TO SCALE



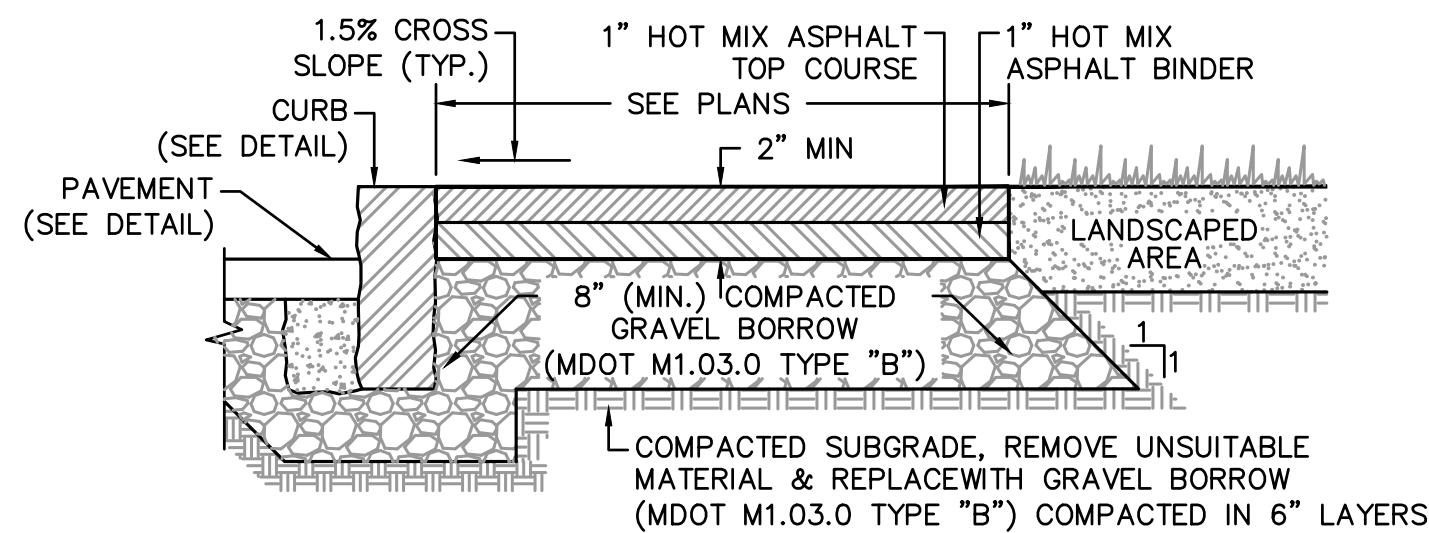
HOT MIX ASPHALT PAVING (TWO COURSES) DETAIL

NOT TO SCALE



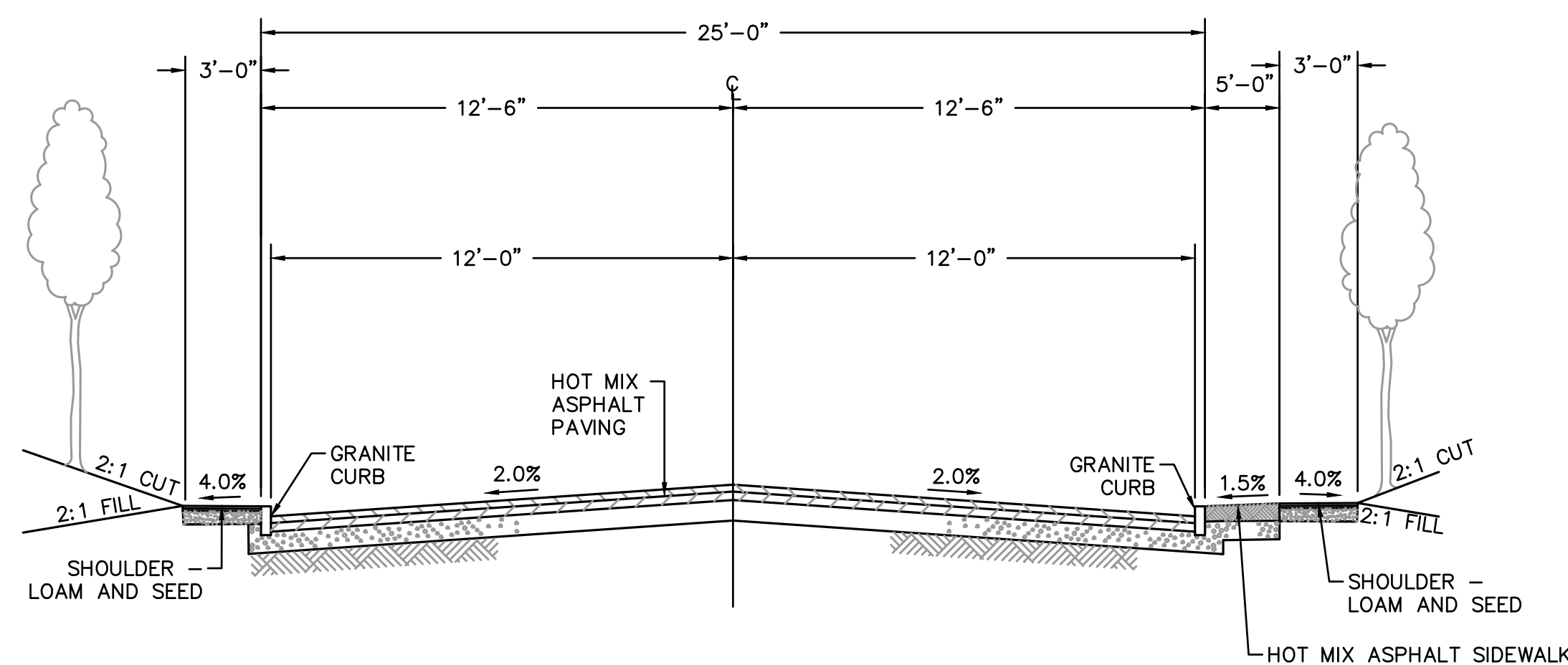
LOAM AND SEED DETAIL

NOT TO SCALE



HOT MIX ASPHALT SIDEWALK DETAIL

NOT TO SCALE



DRIVEWAY

NOT TO SCALE

NOTES:

1. ALL SLOPES TO BE LOAM & SEEDED TO RIGHT OF WAY, OR TO EXISTING GRADE.

FOR REFERENCE ONLY

CIVIL SITE DETAILS VI

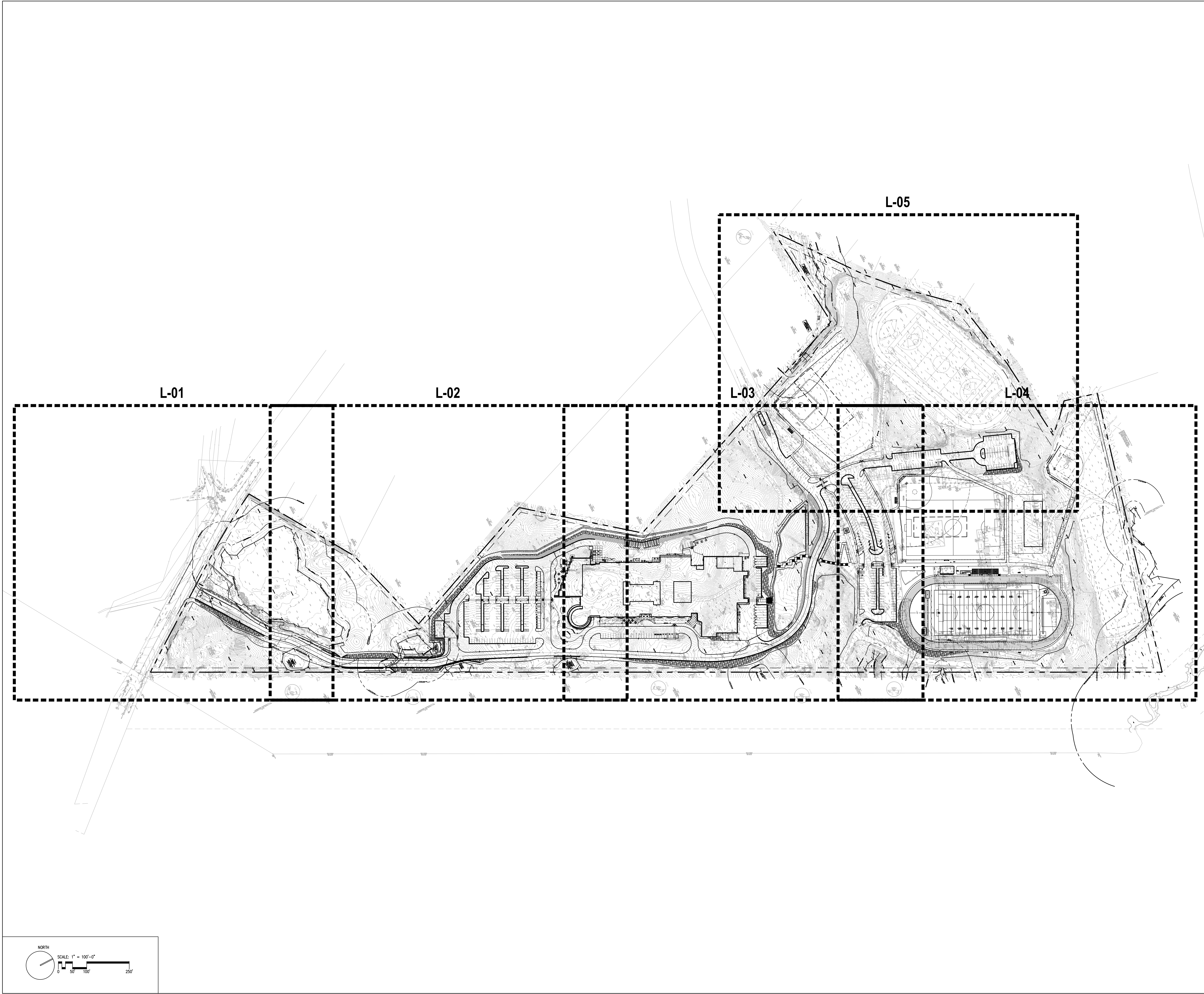
Scale: AS NOTED

Job No. 12872

Keywords: child sexual abuse; disclosure; self-blame; social support

Drawn By: WL

C-705



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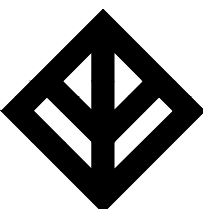
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establishment

Progress Set

January 13, 2023

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

OVERALL
SITE PLAN

Scale: 1" = 30'-0"

Job No.: 20202.00

Drawn By: JM

Date: January 13, 2023

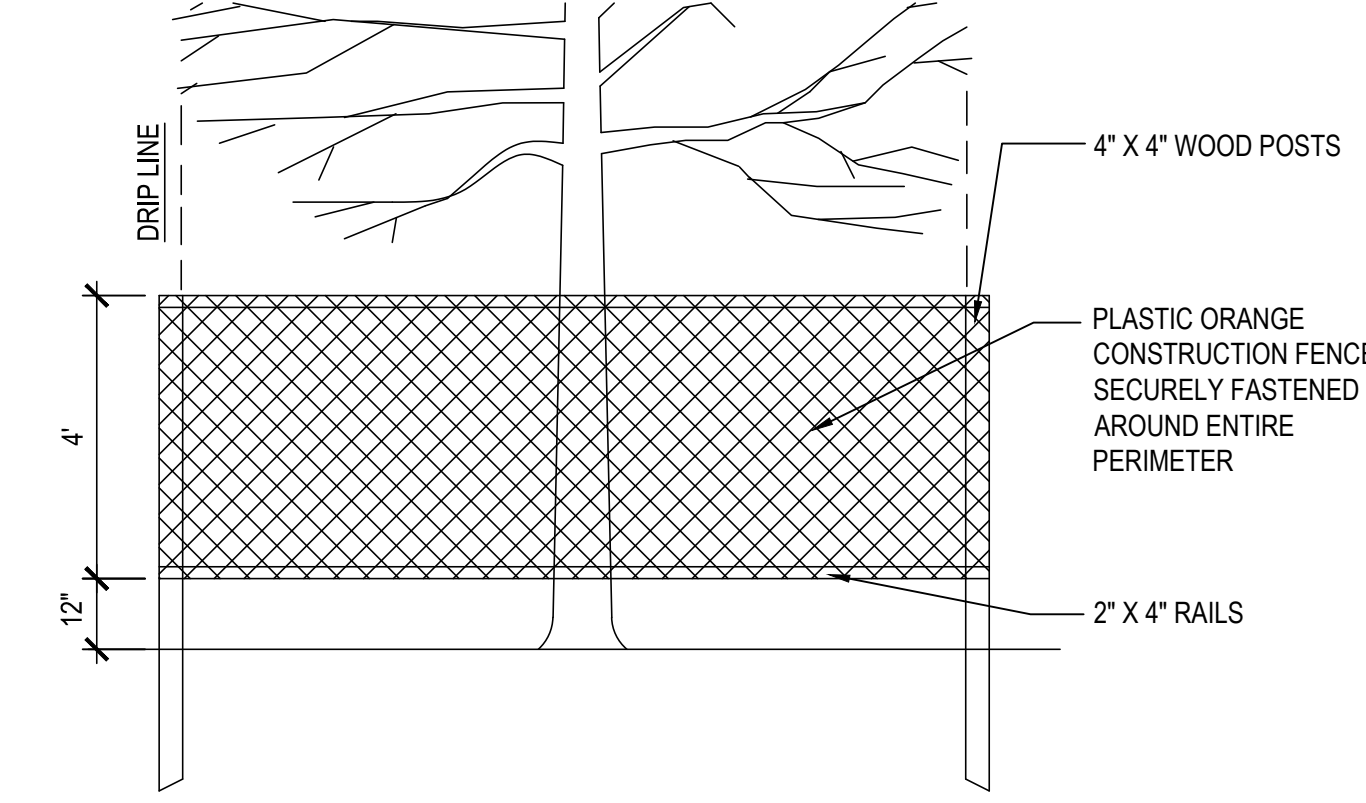
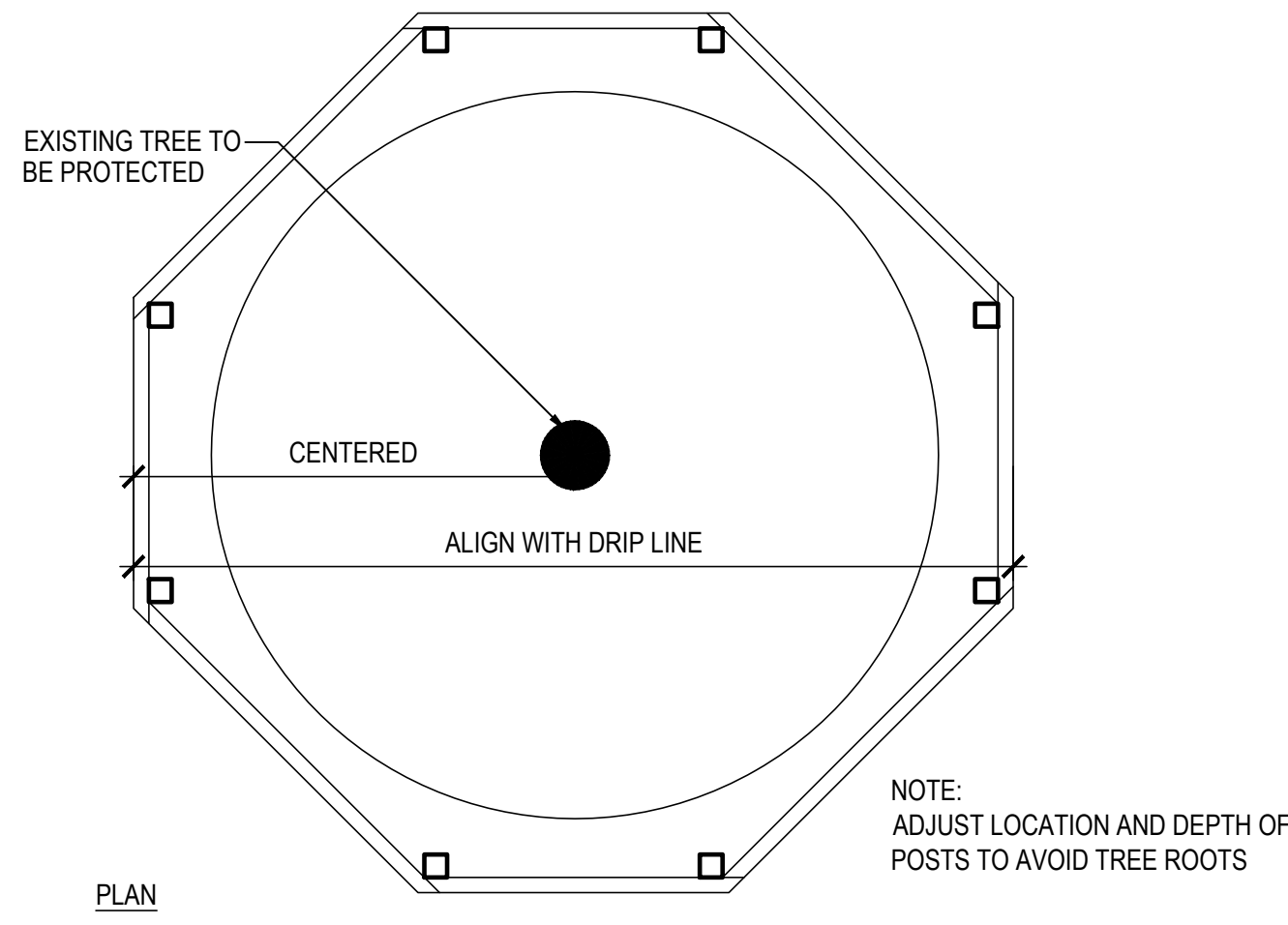
L000

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:

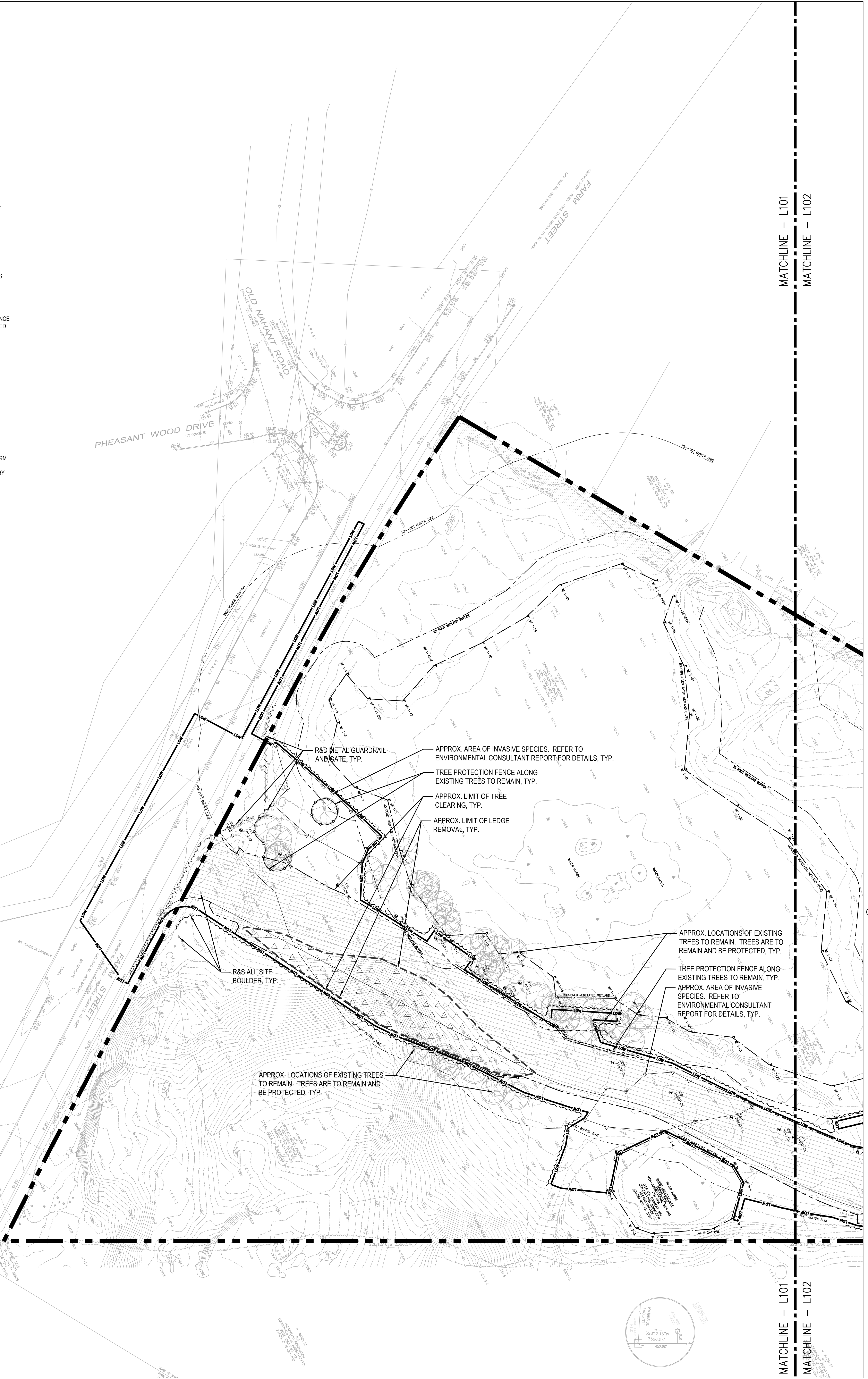
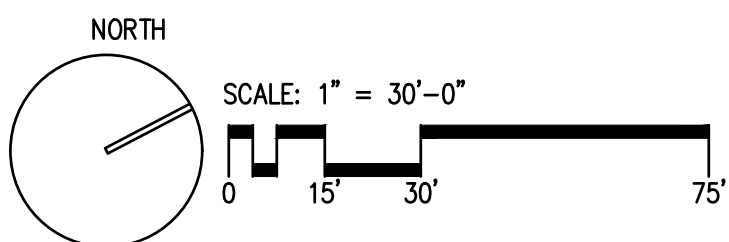
	APPROXIMATE LIMIT OF WORK
	PRESERVE AND PROTECT
	REMOVE AND DISPOSE
	REMOVE AND SALVAGE
	EXISTING TO REMAIN
	R & D TREE (AND GRUB), SIGN POST, BOLLARD, LIGHT POLE, ECT.
	TREE PROTECTION
	EXISTING TREE TO REMAIN
	R&D FENCE, GUARDRAIL, TYP.
	PAVEMENT REMOVAL, REFER TO SURVEY FOR MATERIAL TYPE
	CLEAR AND 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 DRIFLINE 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 DRIFLINE OF TREES TO REMAIN.

1 TREE PROTECTION
SCALE: NTS



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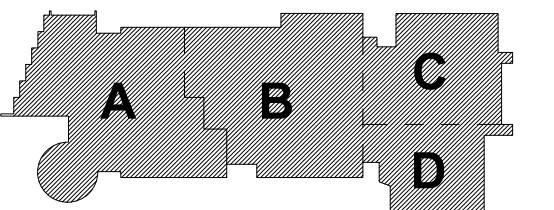
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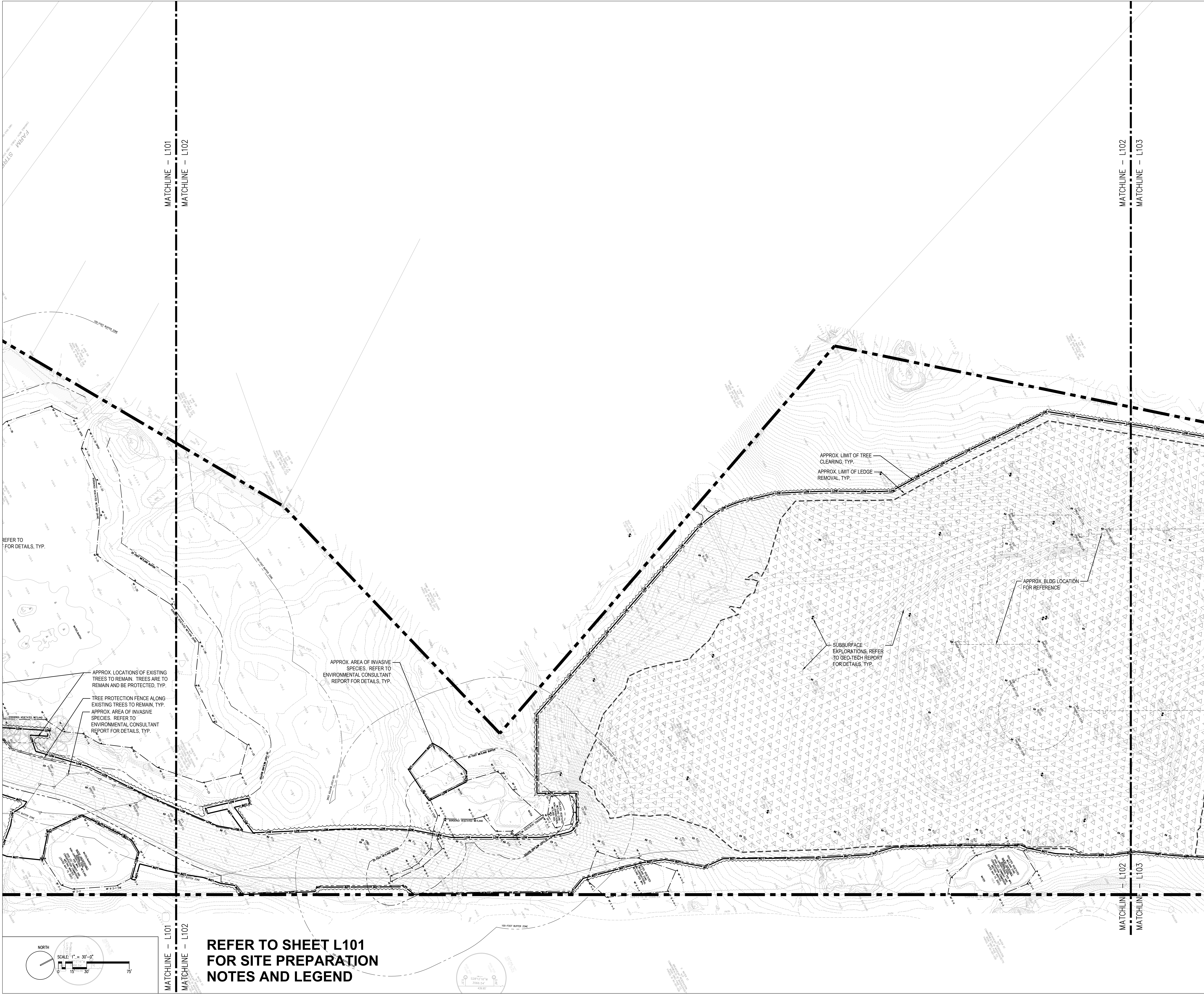


KEY PLAN
PROJECT NORTH
MAGNETIC NORTH

DEMO AND
SITE
PREPARATION
PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L101



NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL

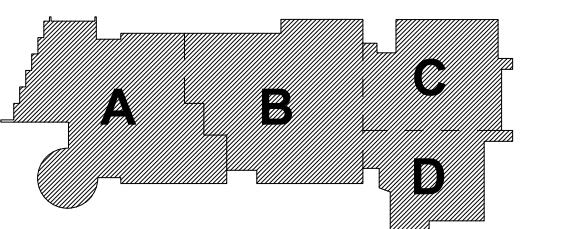
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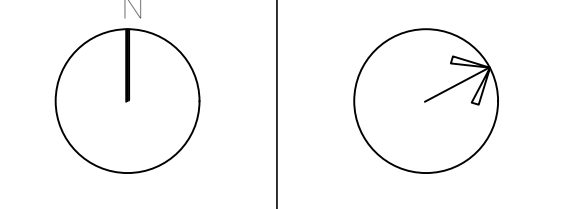
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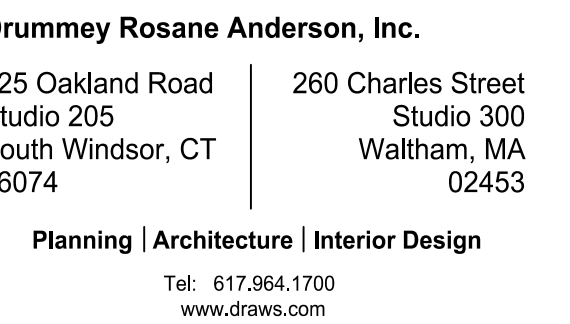
PROJECT NORTH
 MAGNETIC NORTH



DEMO AND SITE PREPARATION PLAN - 2

Scale: 1" = 30'-0"
 Job No.: 20202.00
 Drawn By: JM
 Date: January 13, 2023

L102



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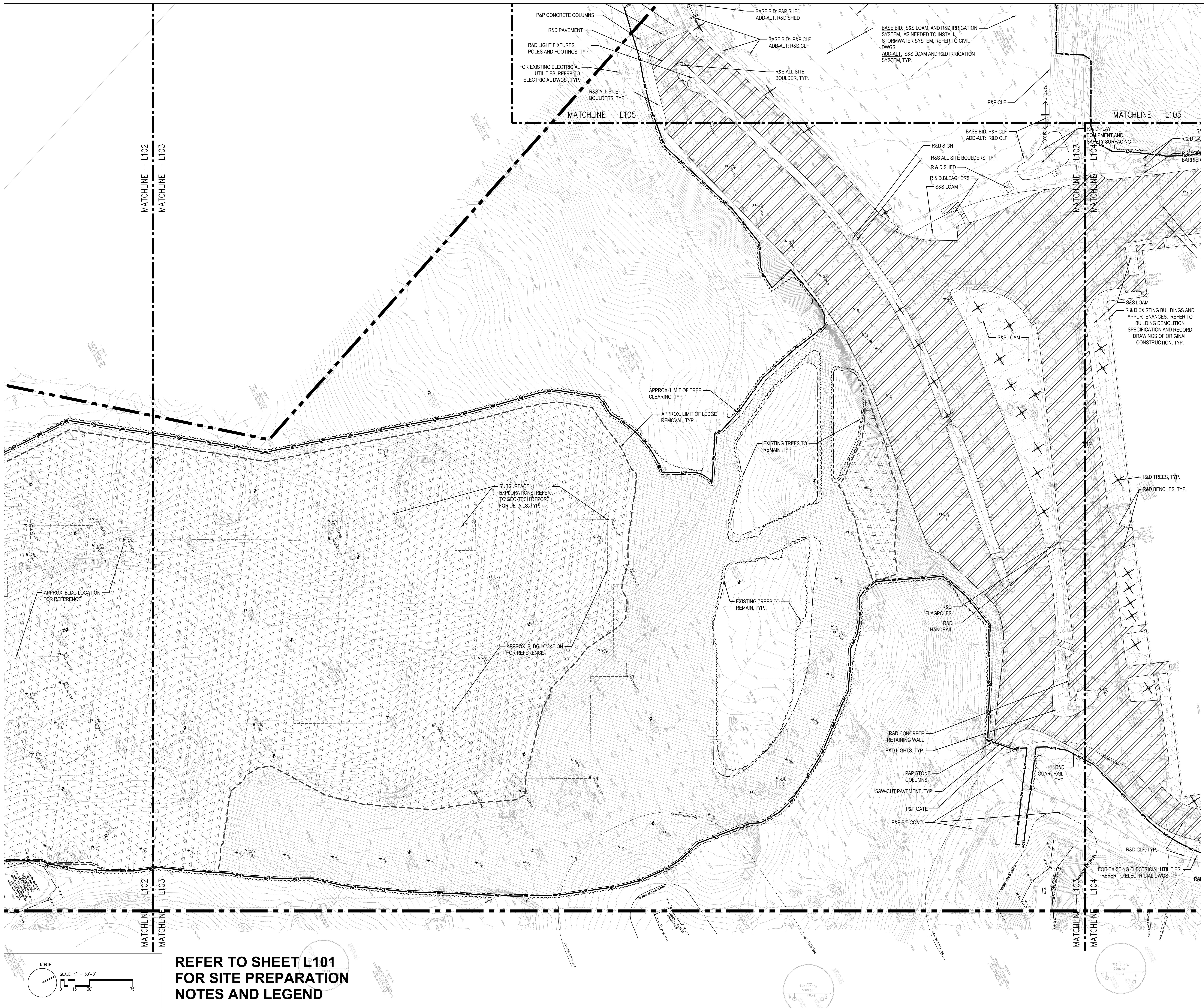
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January 13, 2023



Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

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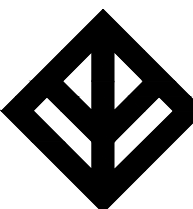
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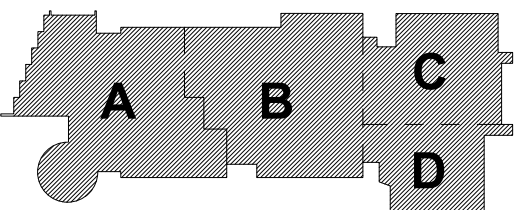


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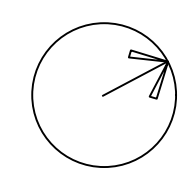
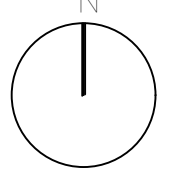
January 13, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



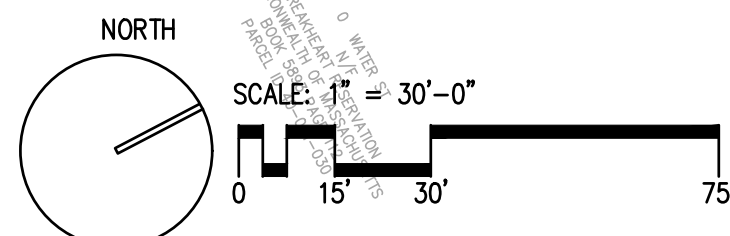
**DEMO AND
SITE
PREPARATION
PLAN - 4**

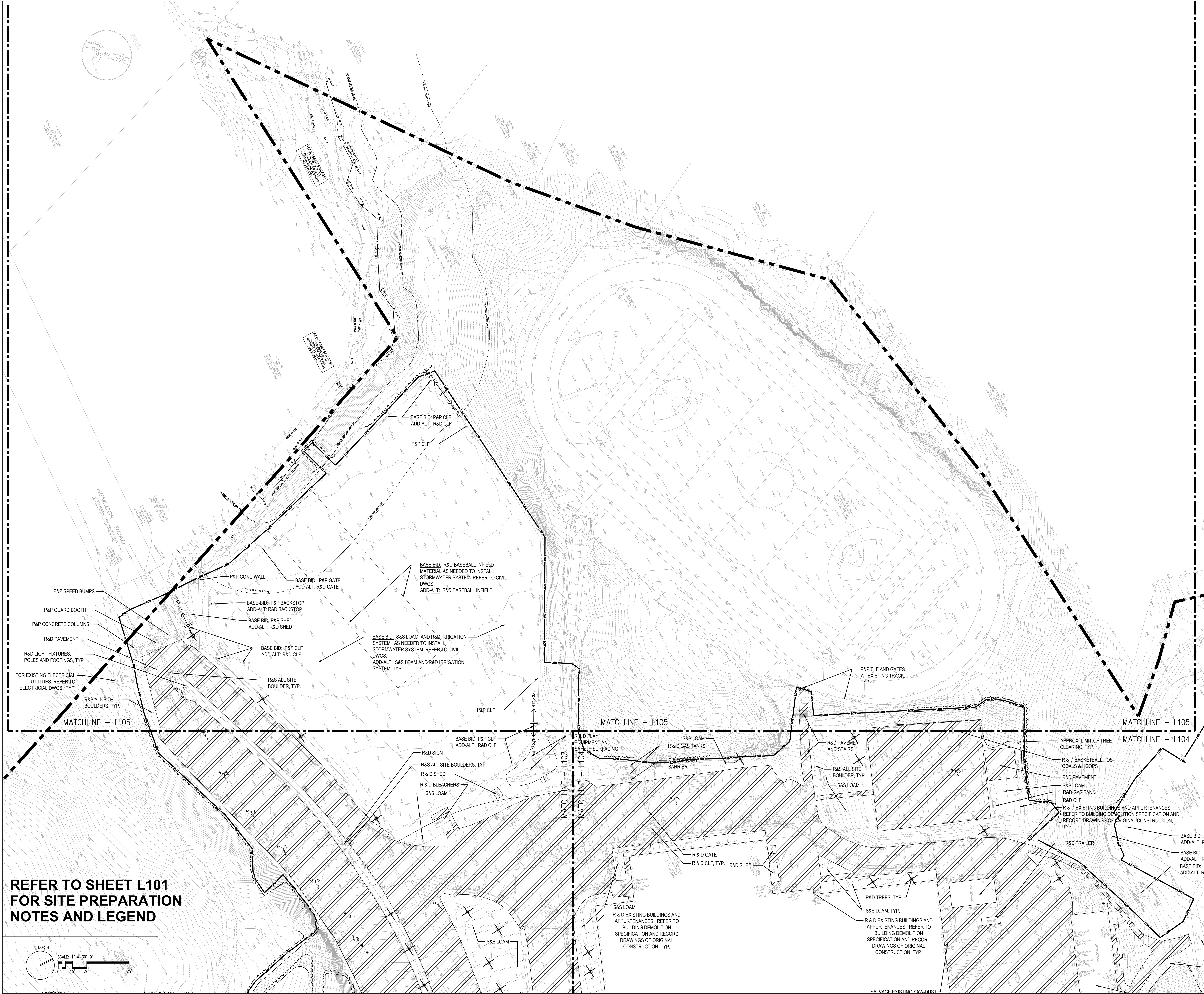
Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2021

L104



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





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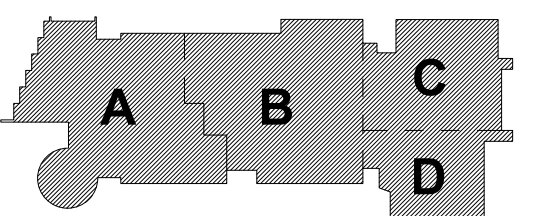


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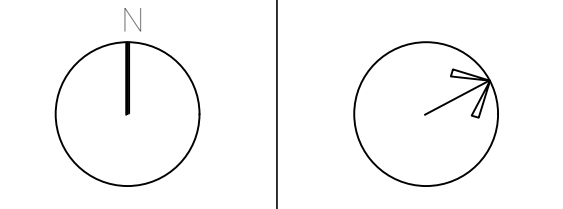
Early Site Preparation
Construction Documents

January 13, 2023



KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

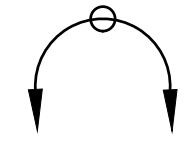
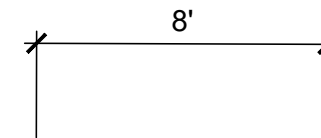


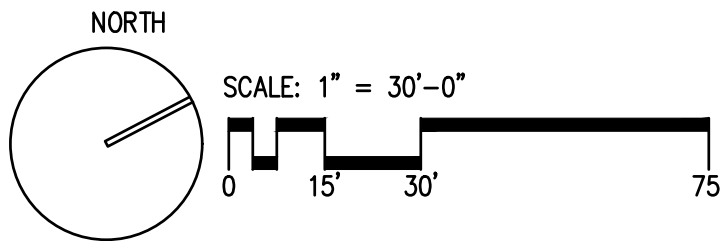
**DEMO AND
SITE
PREPARATION
PLAN - 5**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023
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



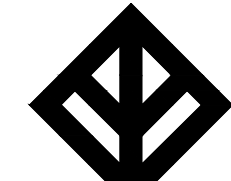
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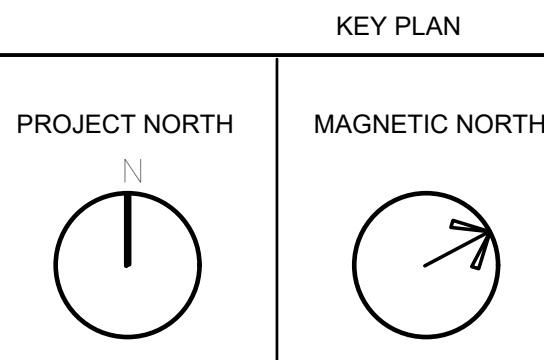
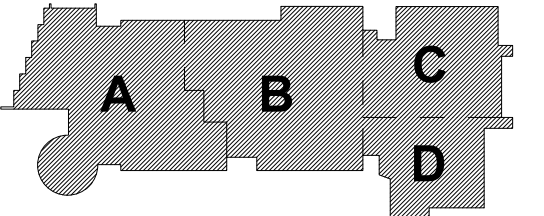
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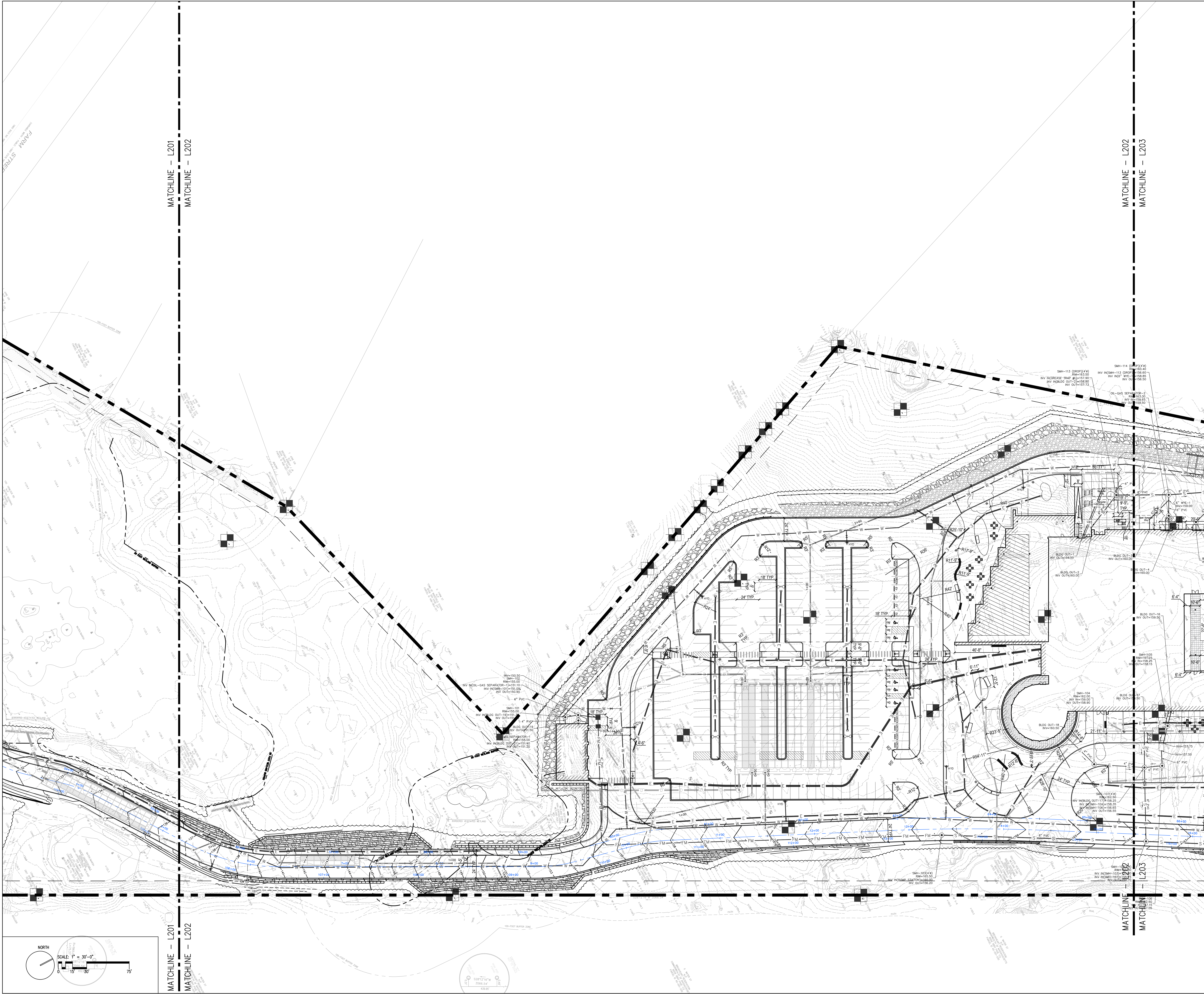
Progress Set
January 13, 2023



LAYOUT PLAN
- 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L201



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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

LAYOUT PLAN
- 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L202

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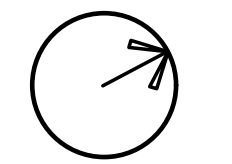
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Progress Set
January 13, 2023

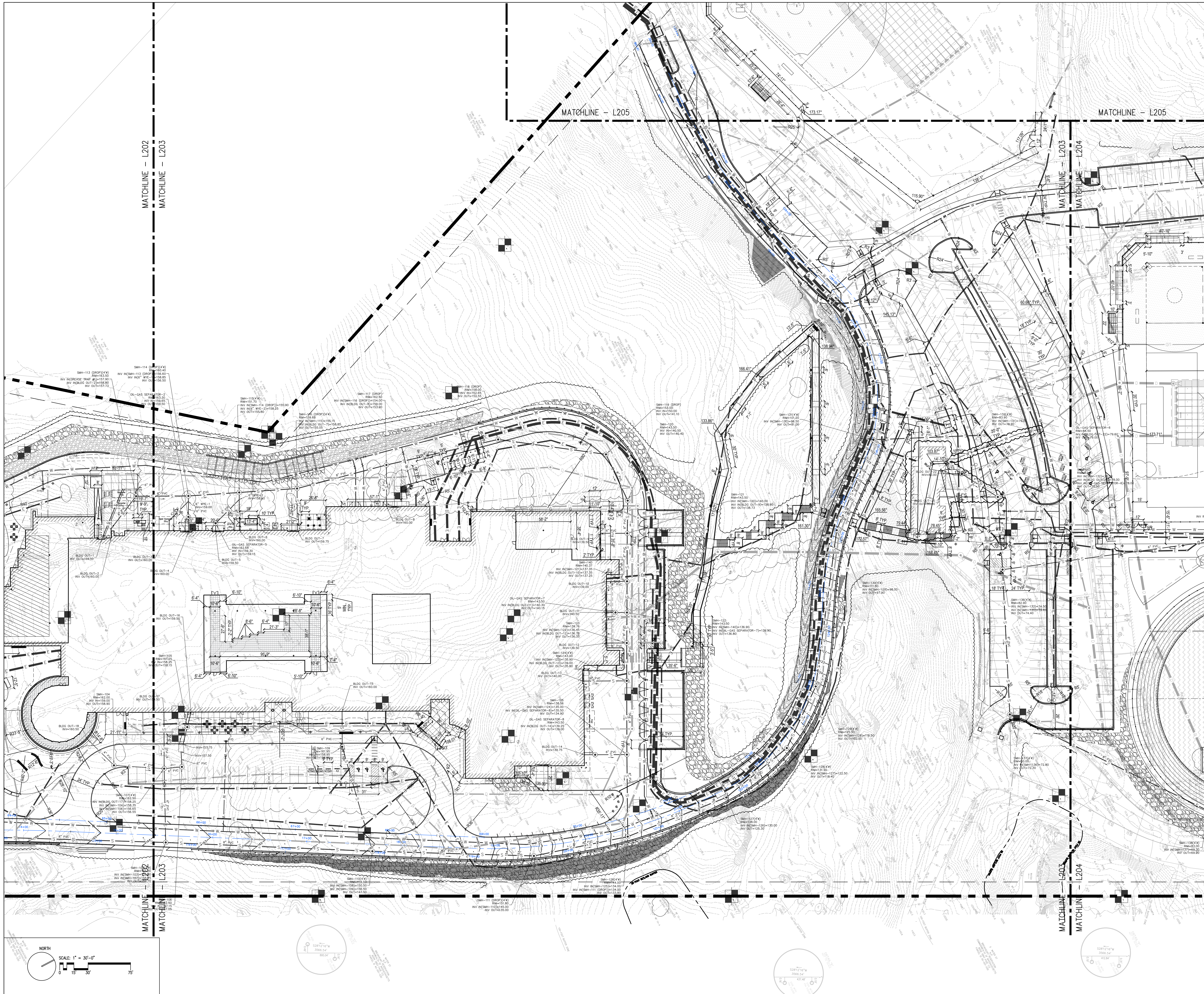


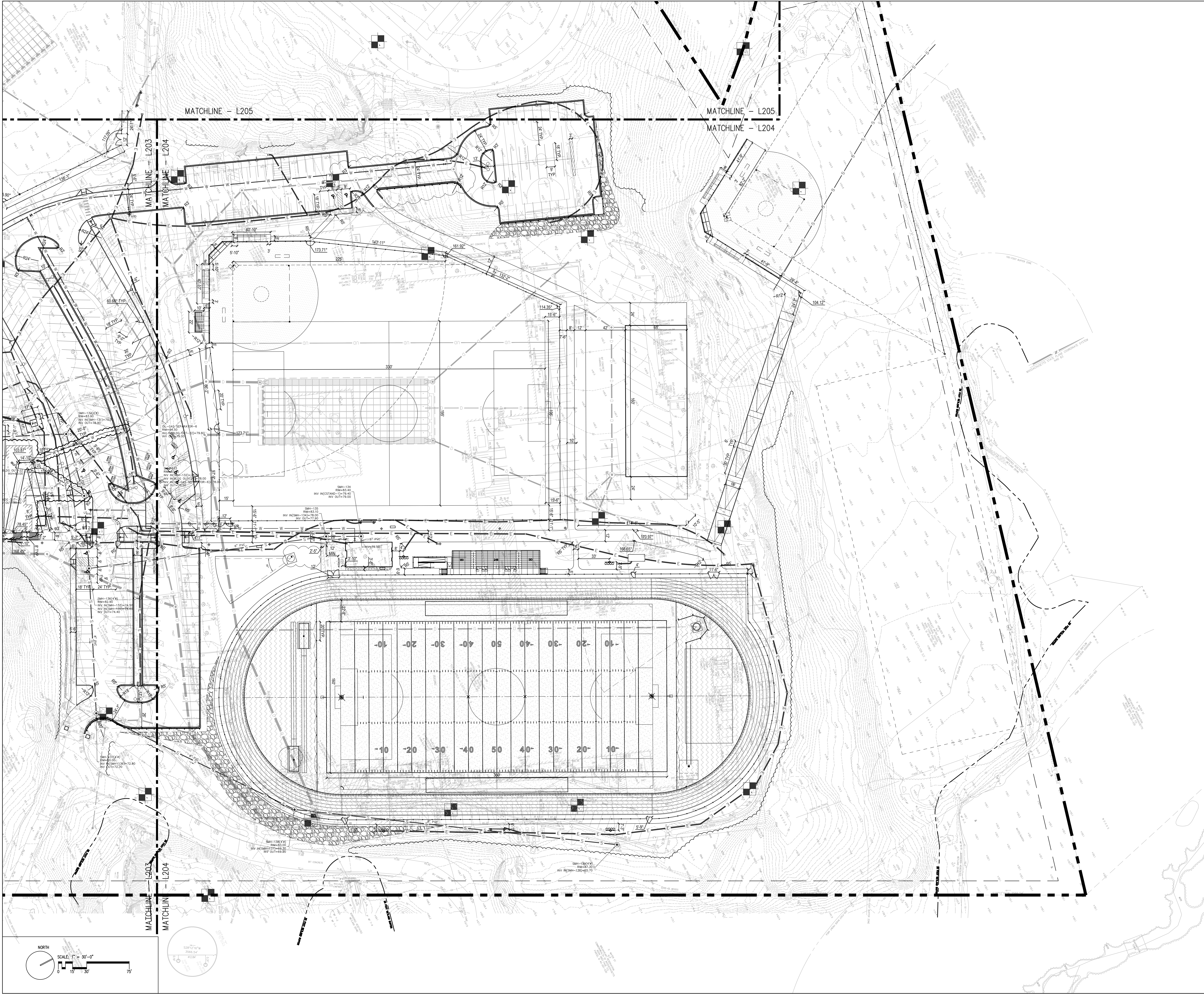
PROJECT NORTH	MAGNETIC NORTH
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Scale: 1" = 30'-0"
 No.: 20202.00
 Drawn By: JM
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L203





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A

B

C

D

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

LAYOUT PLAN
- 4

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L204



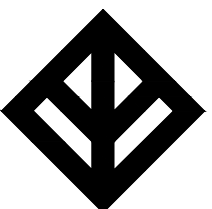
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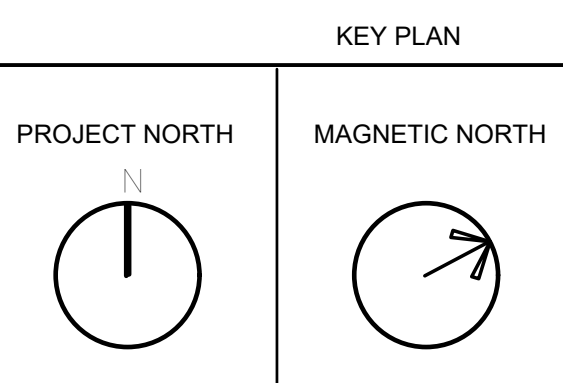
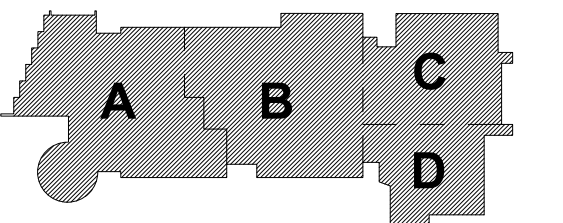
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**LAYOUT PLAN
- 5**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L205

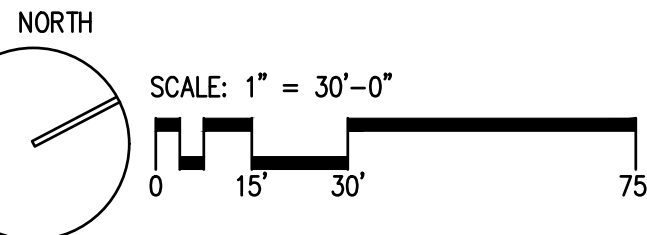
LEGEND:

- APPROXIMATE LIMIT OF WORK
- VGC 8 1601 VERTICAL GRANITE CURB
- CCB 7 1601 FORMED ASPHALT CURB, CAPE COD BERM
- CLF 9 1601 CHAIN LINK FENCE
- 2 1601 VEHICULAR ASPHALT PAVING
- 1 1601 ASPHALT WALKWAY PAVING
- 4 1601 VEHICULAR CONCRETE PAVING
- 3 1601 CONCRETE WALKWAY PAVING
- 15 1601 RIP-RAP SLOPE
- 5 1601 STABILIZED STONEDUST
- RUBBER ROOF TILES
- 11 1606 CONCRETE ROOF DECK PAVER
- 9 1606 EXTENSIVE GREEN ROOF
- 12 1605 PRE-ENGINEERED ELEVATED DECK BOARDWALK
- 18 1603 SYNTHETIC TURF
- 16 1603 SKINNED INFELD
- 18 1603 RESILIENT TRACK SURFACING

- 10 1602 CAFE TABLE AND CAFE WOOD SEATS, TYP. SEE SPECIFICATIONS
- GABION SEAT WALL WITH WOOD TOPPER, SEE SPECIFICATIONS
- RECYCLED PLASTIC DINING TABLE AND METAL CHAIRS, SEE SPECIFICATIONS
- CHAIN LINK REGULAR SWING GATE
- 7 1602 ADD ALT. RECLAIMED GRANITE SEAT BLOCKS
- 3 1602 CONCRETE FILLED STEEL BOLLARD
- 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

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



HARMON ROAD

VERTICAL GRANITE CURB, TYP.

BIT CONC. ROAD REPAIR AS NECESSARY

ENTRY SIGN WITH LED MESSAGE BOARD REFER TO ELECTRICAL DWGS, TYP.

2 1601 VEHICULAR ASPHALT PAVING, TYP.

ASPHALT WALKWAY PAVING, TYP.

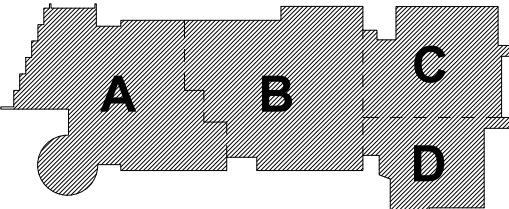
ONE ARM DRIVEWAY LIGHT POLE AND FIXTURE, TYP. REFER TO ELECTRICAL SITE PLAN.

FREESTANDING WILDLIFE BARRIER, TYP. SEE SPEC.

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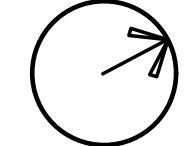
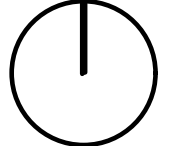
Progress Set
January 13, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



MATERIALS
PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L301

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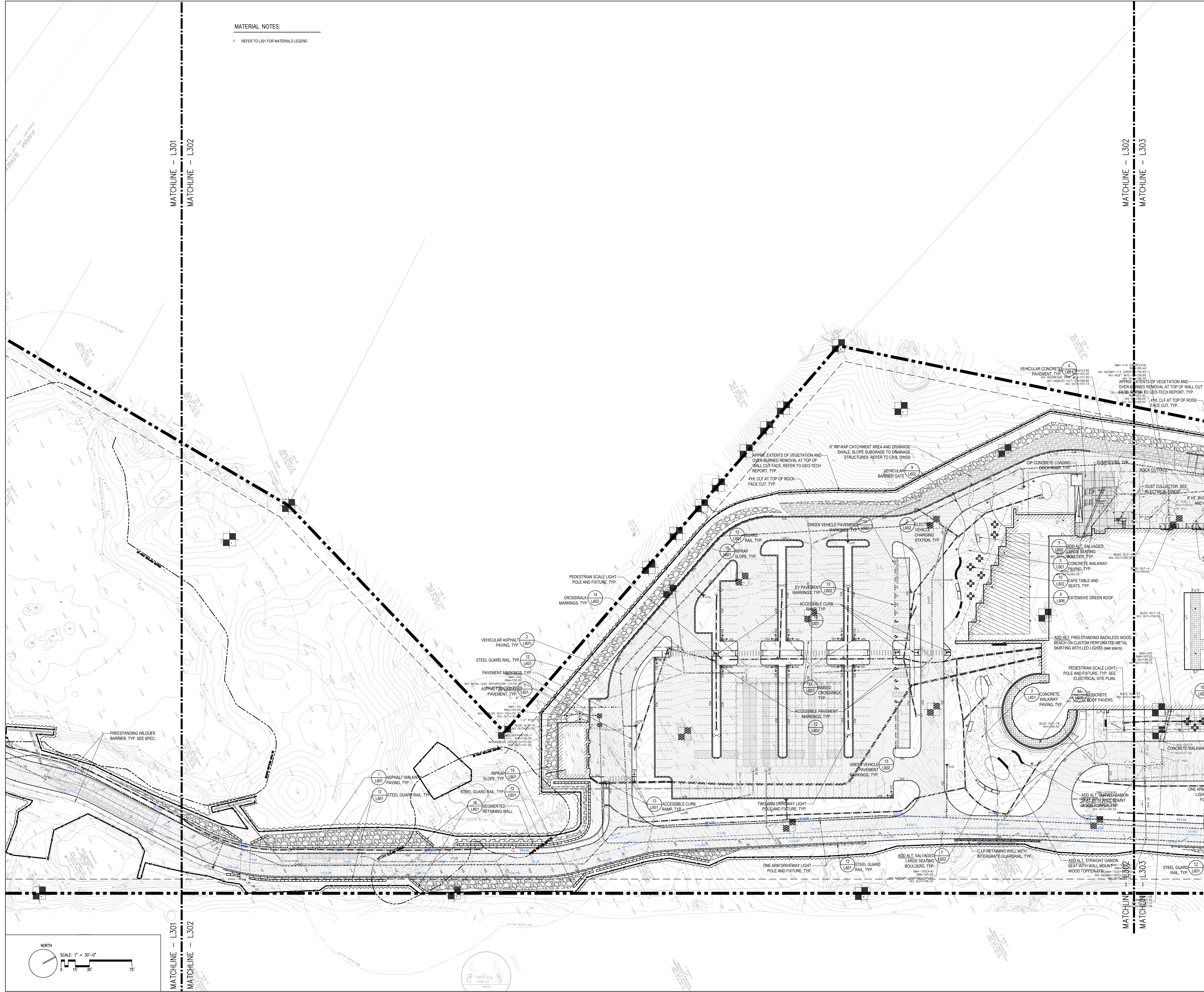
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MATERIAL NOTES:
1. REFER TO L301 FOR MATERIALS LEGEND

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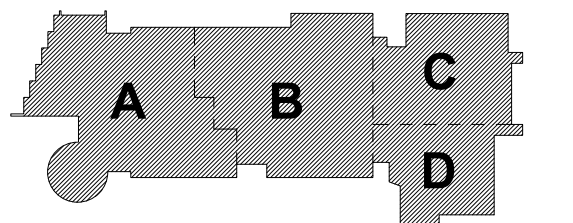
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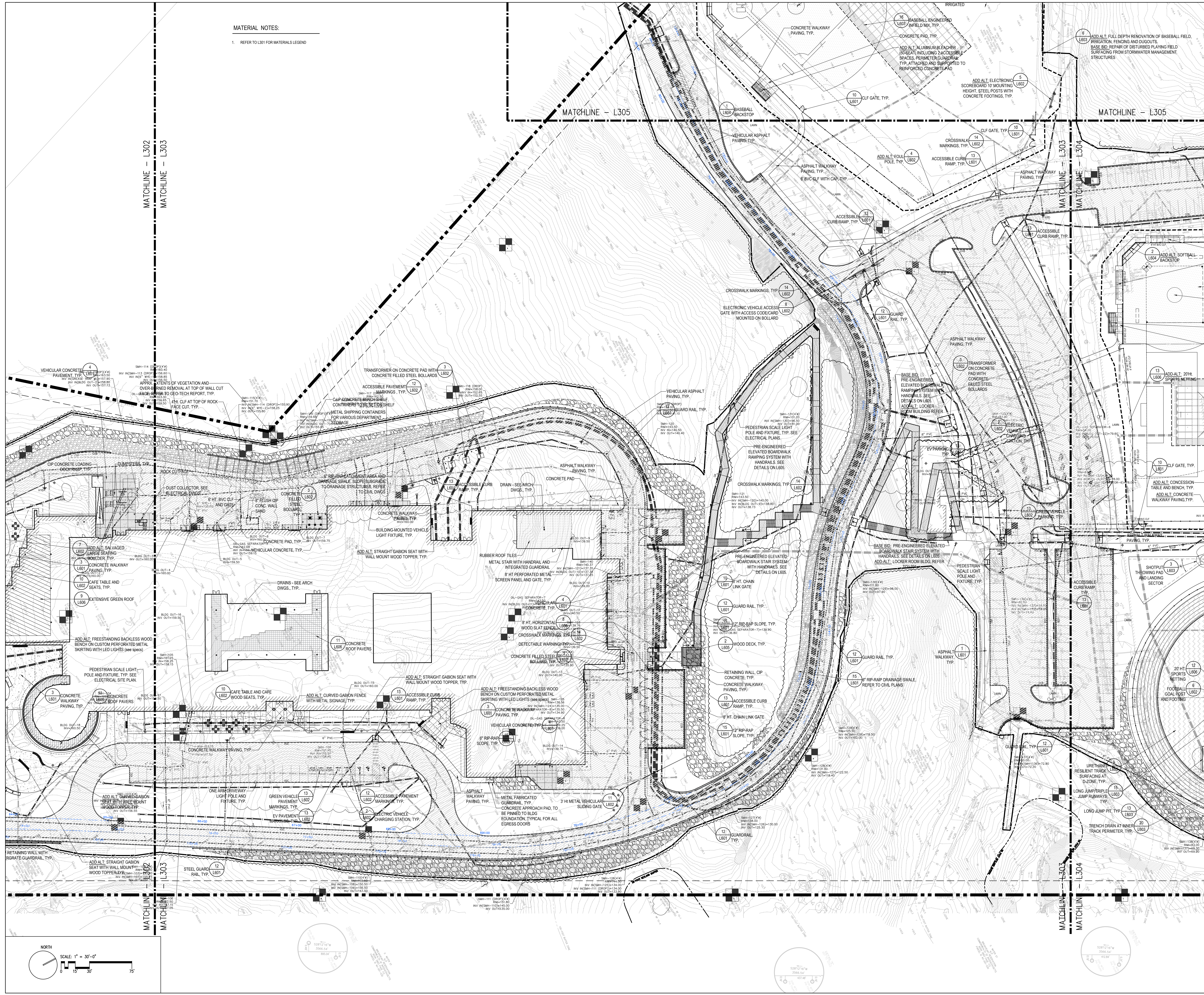
KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

MATERIALS
PLAN - 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023
L302



MATERIAL NOTES:
1. REFER TO L301 FOR MATERIALS LEGEND

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KEY PLAN

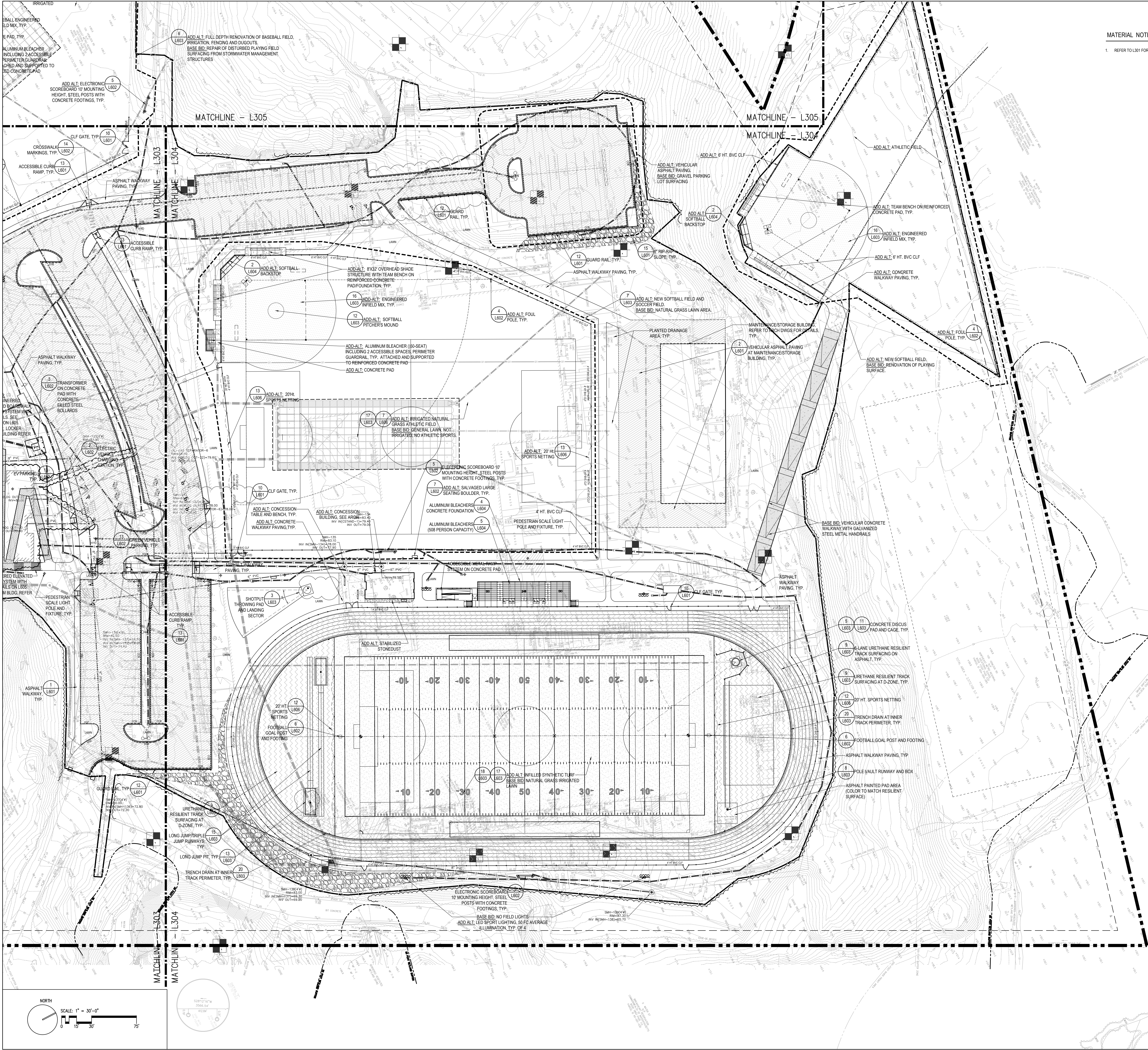
PROJECT NORTH

MAGNETIC NORTH

MATERIALS
PLAN - 3

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L303



MATERIAL NOTES:
1. REFER TO L301 FOR MATERIALS LEGEND

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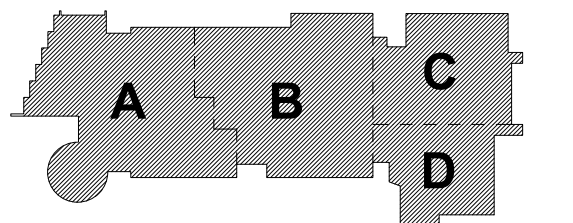
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

MATERIALS
PLAN - 4

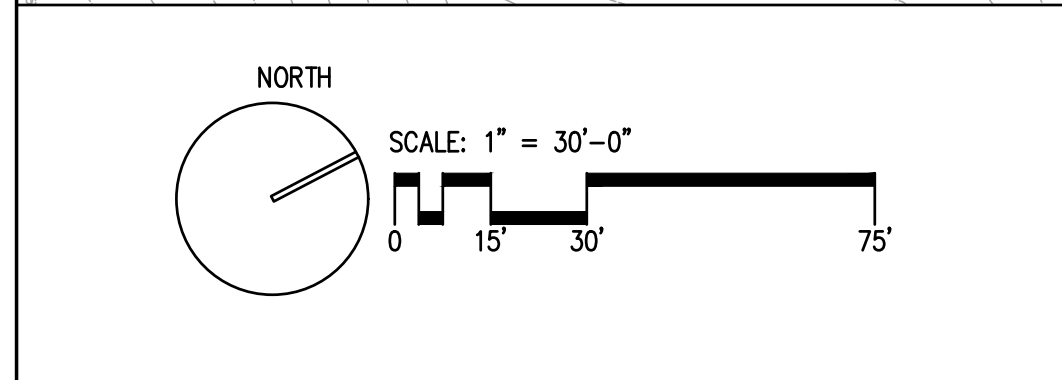
Scale: 1" = 30'-0"

Job No.: 20202.00

Drawn By: JM

Date: January 13, 2023

L304



1. REFER TO L301 FOR MATERIALS LEGEND

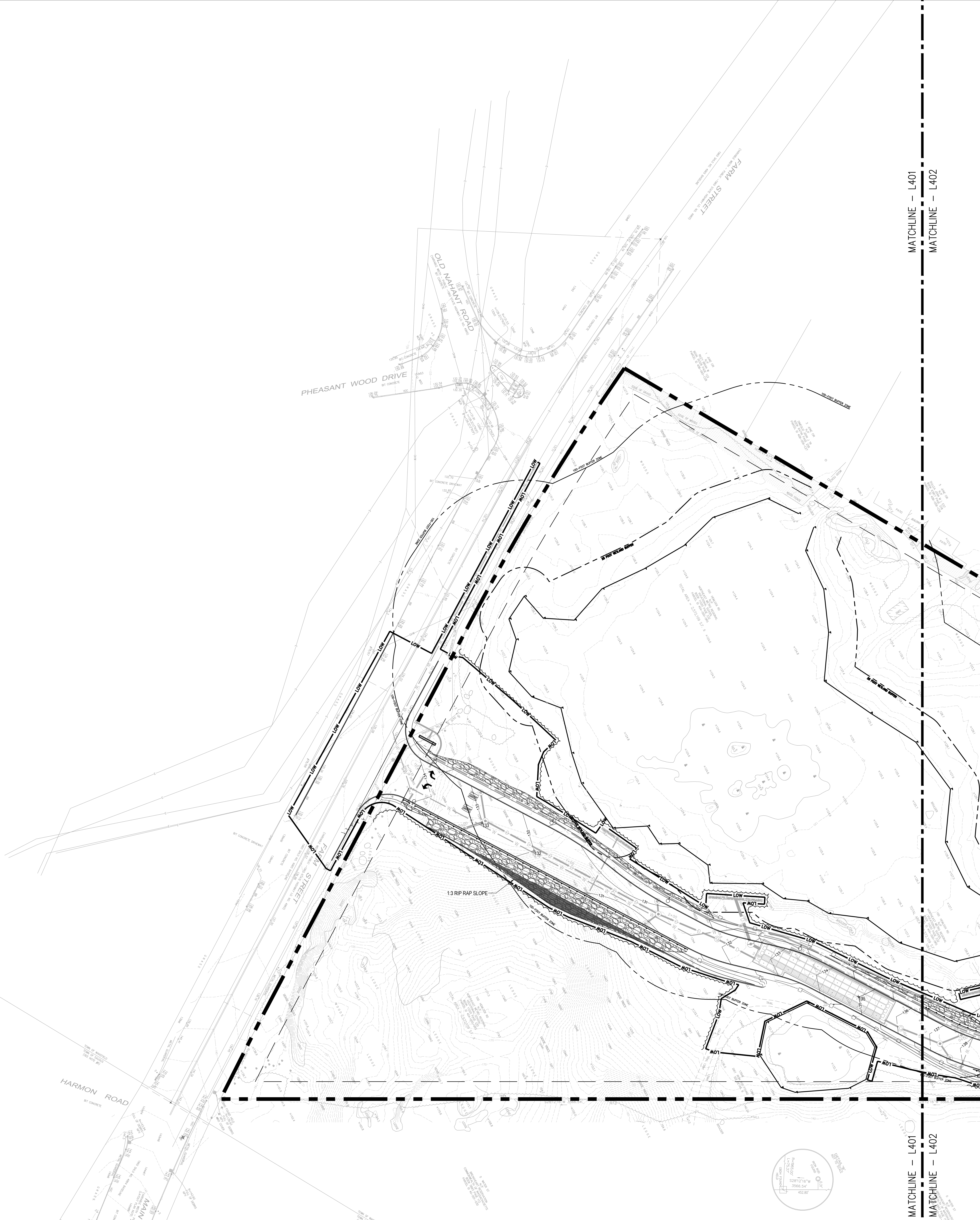
L305

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:

	LOW	APPROXIMATE LIMIT OF WORK LINE
	555	EXISTING CONTOUR
	550	PROPOSED CONTOUR
	553	PROPOSED CONTOUR
		SWALE
		RIP-RAP FILL SLOPE (1:1)
		RIP-RAP SWALE
	556.15	EXISTING SPOT ELEVATION
	* 556.15	PROPOSED SPOT ELEVATION
	1.0%	PROPOSED SLOPE
	TS	TOP OF STAIR
	BS	BOTTOM OF STAIR
	TW	TOP OF WALL
	BW	BOTTOM OF WALL
	SW	SPILLWAY
	TC	TOP OF CURB
	BC	BOTTOM OF CURB
	TH	DOOR THRESHOLD
	HP	HIGH POINT
	LP	LOW POINT
	RIM	RIM ELEVATION
	UD	UNDER DRAIN "UD" (DETAIL REFERENCE)



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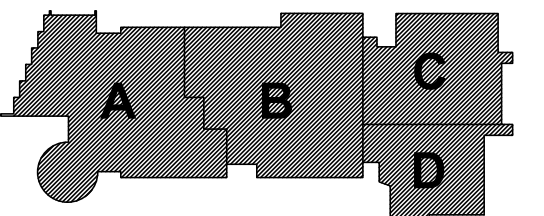
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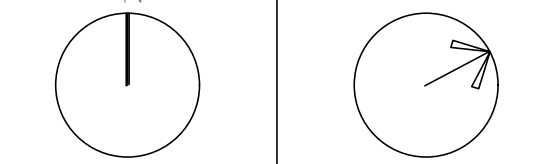
Early Site Preparation
Construction Documents

January 13, 2023



KEY PLAN

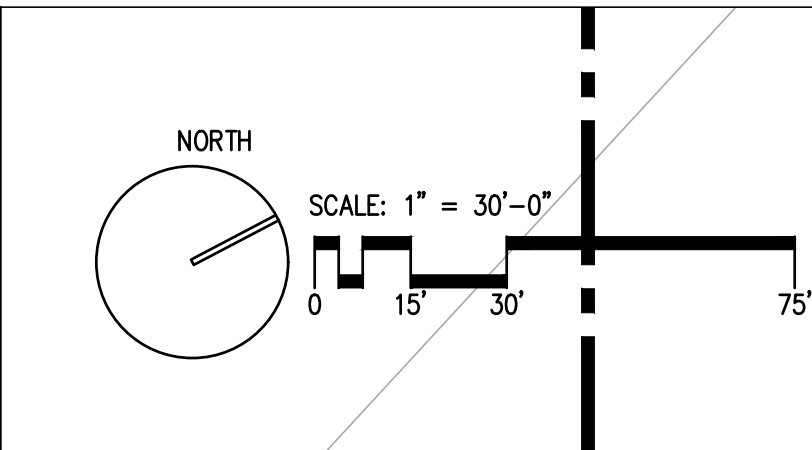
PROJECT NORTH MAGNETIC NORTH



GRADING
PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L401



GRADING NOTES

1. REFER TO L401 FOR GRADING NOTES AND LEGEND.

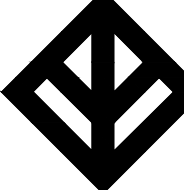
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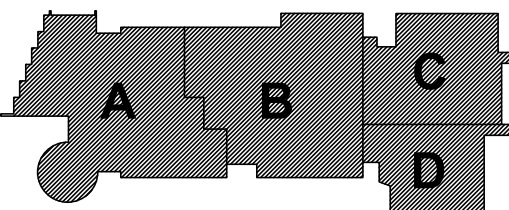
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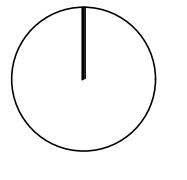
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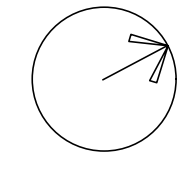
Early Site Preparation
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KEY PLAN

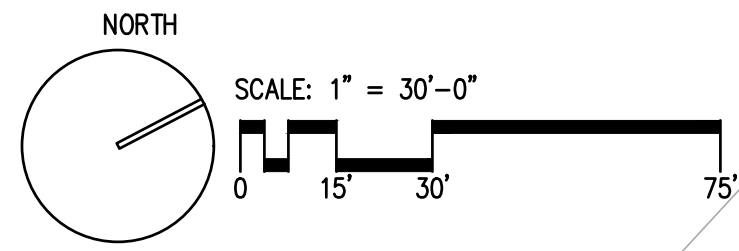
PROJECT NORTH


MAGNETIC NORTH


GRADING
PLAN - 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L402



GRADING NOTES

1. REFER TO L401 FOR GRADING NOTES AND LEGEND.

MATCHLINE - L402
MATCHLINE - L403

MATCHLINE - L405

MATCHLINE - L405

MATCHLINE - L403
MATCHLINE - L404

MATCHLINE - L402
MATCHLINE - L403

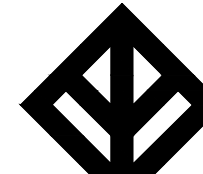
MATCHLINE - L403
MATCHLINE - L404

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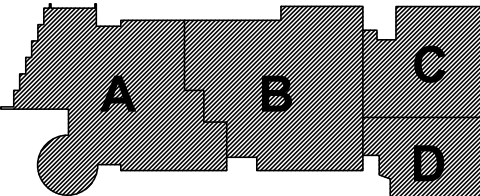


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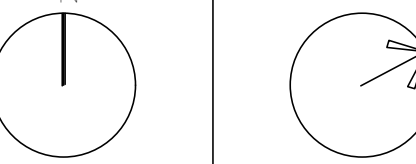
Early Site Preparation
Construction Documents

January 13, 2023



KEY PLAN

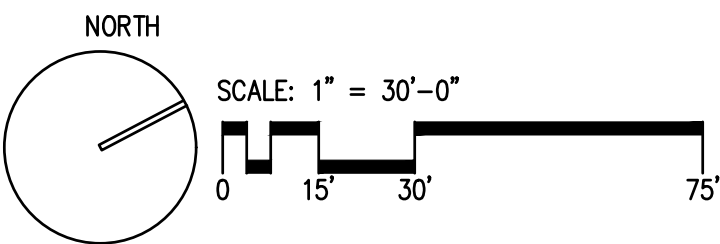
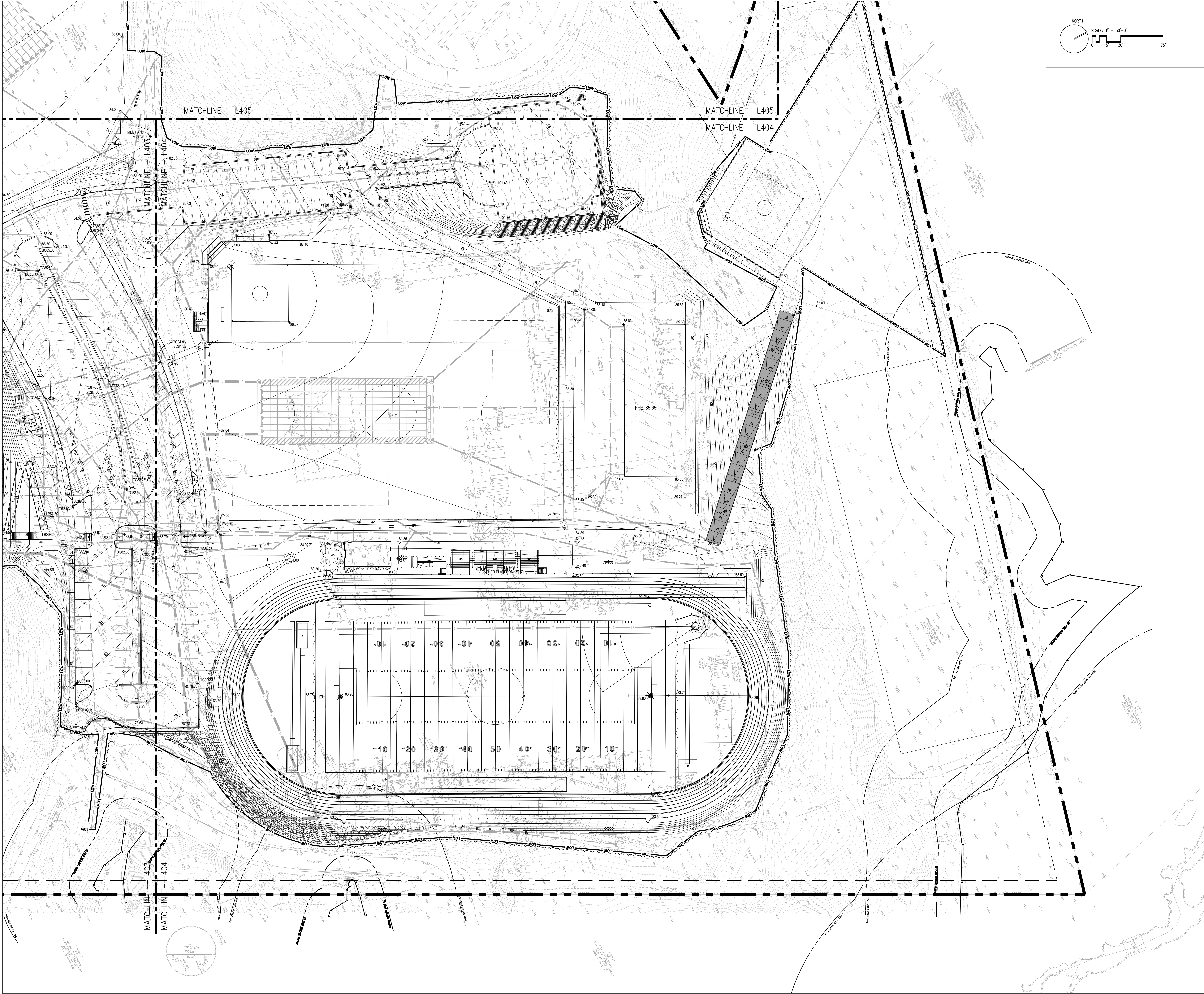
PROJECT NORTH MAGNETIC NORTH



GRADING
PLAN - 3

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L403



DRA

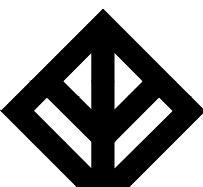
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Tel: 817.964.1700
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260 Charles Street
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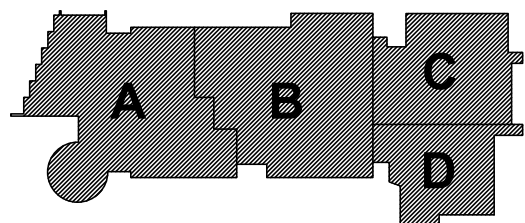
100 Hemlock Rd,
Wakefield, MA 01880


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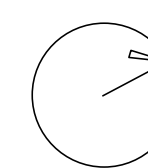
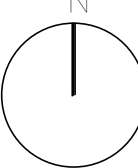
January 13, 2023



KEY PLAN

PROJECT NORTH

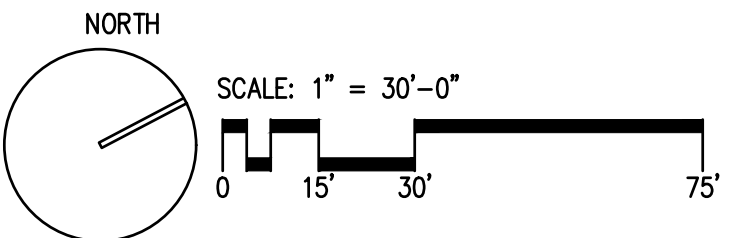
MAGNETIC NORTH



**GRADING
PLAN - 4**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L404



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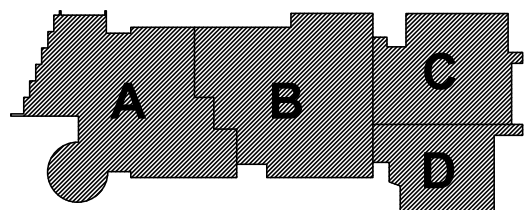
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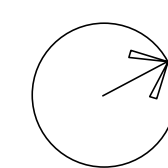
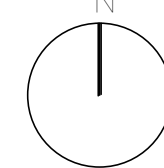
January 13, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**GRADING
PLAN - 5**

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L405

PLANT SCHEDULE					
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	
AR2	10	Acer rubrum	Red Maple	1" Cal.	
MG2	8	Metasequoia glyptostroboides	Dawn Redwood	3" Cal.	
QA	18	Quercus alba	White Oak	1.5" Cal.	
QM	8	Quercus macrocarpa	Burr Oak	2-2.5" cal. B&B	

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
AR	29	Acer rubrum 'Redpointe'	Redpointe Maple	2.5-3" cal. B&B	Native
AS	5	Acer saccharum	Sugar Maple	2.5" Cal.	Green Mountain or Fall Fiesta Cultivars
BC	22	Betula papyrifera 'Clump'	Clump Paper Birch	7-8" Ht. B&B	
BD	2	Betula nigra 'BNMTF' TM	Dura Heat River Birch	6'-7" Ht.	
BN	1	Betula nigra 'Cully' TM	Heritage Birch	10-12" Ht. B&B	Clump
BP	6	Betula populifolia 'Whitespire'	Whitespire Birch	12-14" Ht. B&B	Clump, Native
BU	9	Betula papyrifera 'Uencio' TM	Renaissance Upright Paper Birch	10-12" Ht. B&B	Multi-Clump
FG	10	Fagus grandifolia	American Beech	2-2.5" cal. B&B	
NS	8	Nyssa sylvatica 'Wildfire'	Black Gum	2.5" Cal.	
QB	7	Quercus bicolor	Swamp White Oak	3" Cal.	
QR	21	Quercus rubra	Red Oak	2.5-3" cal. B&B	Native
UA	19	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	12	Juniperus virginiana	Eastern Red Cedar	7-8" Ht. B&B	
PR	14	Pinus rigida	Pitch Pine	6-7" Ht. B&B	
PS	26	Pinus strobus	White Pine	8-10" Ht. B&B	Native Evergreen
PS2	11	Pinus strobus	White Pine	5-6" Ht. B&B	

ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
AD	6	Amelanchier arborea	Downy Serviceberry	4.5-5" Ht. B&B	
AX	12	Amelanchier x grandiflora 'Autumn Brilliance'	'Autumn Brilliance' Serviceberry	7-8" Ht. B&B	Native Clump
MD	12	Malus x Donald Wymanii	Donald Wyman Crabapple	2-2.5" cal. B&B	

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	DETAIL	REMARKS
CP	2,592	Carex pensylvanica	Pennsylvania Sedge	Plugs		

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	DETAIL	REMARKS
RA	202	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	1 gal.		3' O.C.

TEMPORARY WETLAND IMPACTS

AREAS OF TEMPORARY WETLAND ALTERATION WILL BE RESTORED IN KIND AT THE DIRECTION OF THE SUPERVISING WETLAND SCIENTIST. TEMPORARY ALTERATION AREAS WHERE SOIL HAS BEEN DISTURBED WILL BE RESTORED BY ESTABLISHING NATURAL WETLAND SOIL PROFILES USING A WETLAND TOPSOIL SUITABLE FOR WETLAND REPLICATION AREAS AND SEEDING WITH A WETLAND SEED MIX, AS DESIGNATED BY THE WETLAND SCIENTIST, AND/OR IN-KIND REPLACEMENT OF NATIVE HERBACEOUS PLANTS, SHRUBS AND/OR TREES. TEMPORARY ALTERATION AREAS WHERE ONLY VEGETATION HAS BEEN REMOVED OR DISTURBED ALSO WILL BE SEEDDED WITH THE WETLAND SEED MIX AND/OR IN-KIND REPLACEMENT OF NATIVE HERBACEOUS PLANTS, SHRUBS AND/OR TREES. SEEDDED AREAS SHALL BE STABILIZED VIA HYDRO SEEDINGS, STRAW MULCH, AND/OR EROSION CONTROL BLANKETS AT THE DIRECTION OF THE WETLAND SPECIALIST.

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 SEEDDED SLOPES 3:1V AND STEEPER AND ALONG BOTTOM OF ALL SWALES IMMEDIATELY AFTER FINE GRADING AND SEEDING.

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 Rye)
Festuca rubra (Red Fescue)
Lolium multiflorum (Annual Ryegrass)
Lolium perenne (Perennial Ryegrass)
Schizachyrium scoparium (Little Bluestem)
Panicum virgatum (Switch Grass)
Sorghastrum nutans (Indian Grass)

LEGEND:

1	LOW	APPROXIMATE LIMIT OF WORK LINE
1 L506	+	DECIDUOUS TREE PLANTING
2 L506	+	EVERGREEN TREE PLANTING
1 L506	+	ORNAMENTAL OR MULTISTEM TREE
4 L506		SHRUB PLANTING
5 L506		GROUND COVER
18 L501		BUFFER ZONE PLANTING AREA AND SEED MIX
		COMPOST AND SEED OVER MODIFIED ROCKFILL

BUFFER ZONE PLANTING AREA #1

QTY	BOTANICAL NAME	COMMON NAME	SIZE
19	Hamamelis virginiana	Common Witch Hazel	#2
16	Pinus strobus	White Pine	2' Ht.
3	Quercus alba	White Oak	0.75" cal.
12	Quercus rubra	Red Oak	1" cal.
12	Vaccinium corymbosum	Highbush Blueberry	#2

BUFFER ZONE PLANTING AREA #2

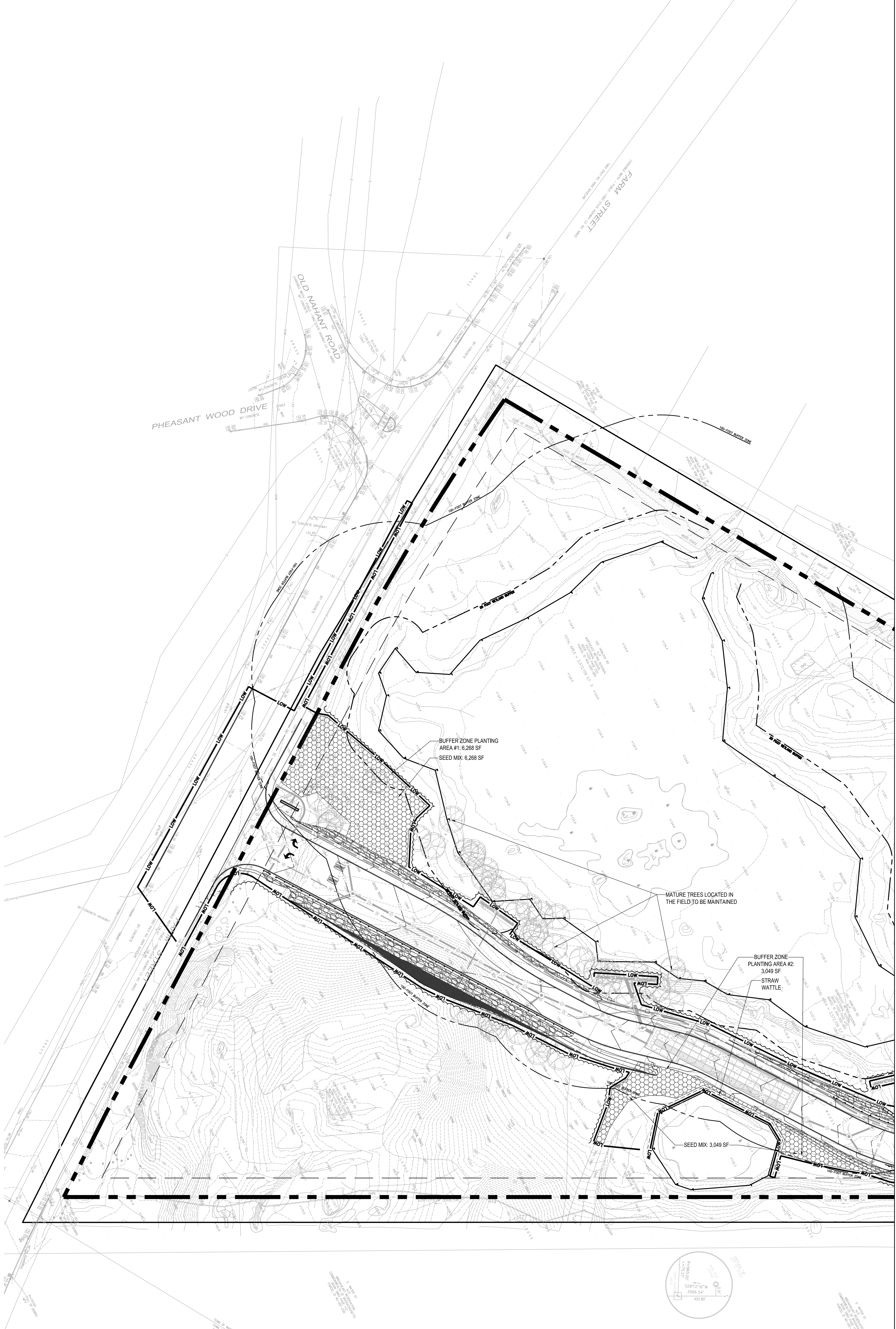
QTY	BOTANICAL NAME	COMMON NAME	SIZE
3	Acer rubrum	Red Maple	1" cal.
11	Hamamelis virginiana	Common Witch Hazel	#2
9	Pinus strobus	White Pine	2' Ht.
4	Quercus alba	White Oak	0.75" cal.
6	Quercus rubra	Red Oak	1" cal.
13	Vaccinium corymbosum	Highbush Blueberry	#2

BUFFER ZONE PLANTING AREA #3

QTY	BOTANICAL NAME	COMMON NAME	SIZE
14	Hamamelis virginiana	Common Witch Hazel	#2
8	Pinus strobus	White Pine	2' Ht.
4	Quercus alba	White Oak	0.75" cal.
3	Quercus rubra	Red Oak	1" cal.
12	Vaccinium corymbosum	Highbush Blueberry	#2

BUFFER ZONE PLANTING NOTES

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



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Progress Set
January 13, 2023

A B C D

KEY PLAN
PROJECT NORTH
MAGNETIC NORTH

PLANTING PLAN - 1

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023
L501

NORTH
SCALE: 1" = 30'-0"
0 15' 30' 75'

Drummeys Rosane Anderson, Inc.

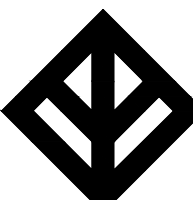
225 Oakland Road	260 Charles Street
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06074	02453

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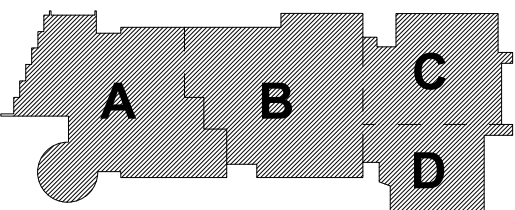


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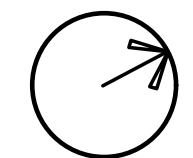
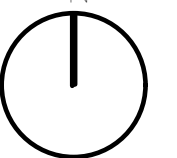
Progress Set
January 13, 2023



KEY PLAN

PROJECT NORTH

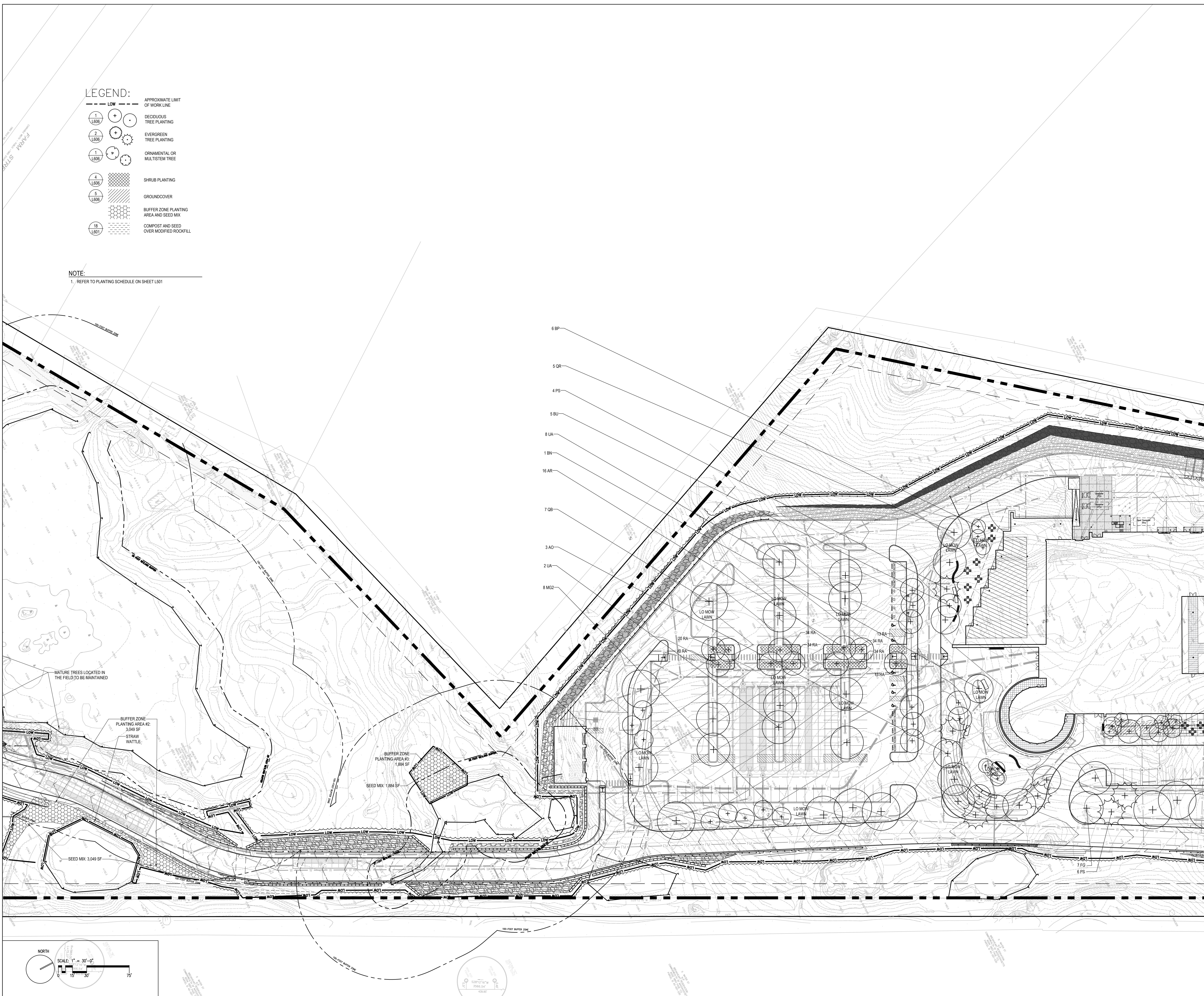
MAGNETIC NORTH



PLANTING PLAN - 2

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2021

L502





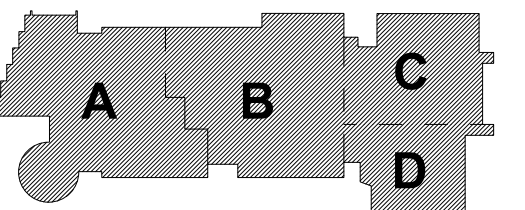
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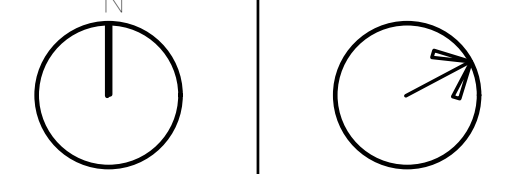
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Progress Set
January 13, 2023

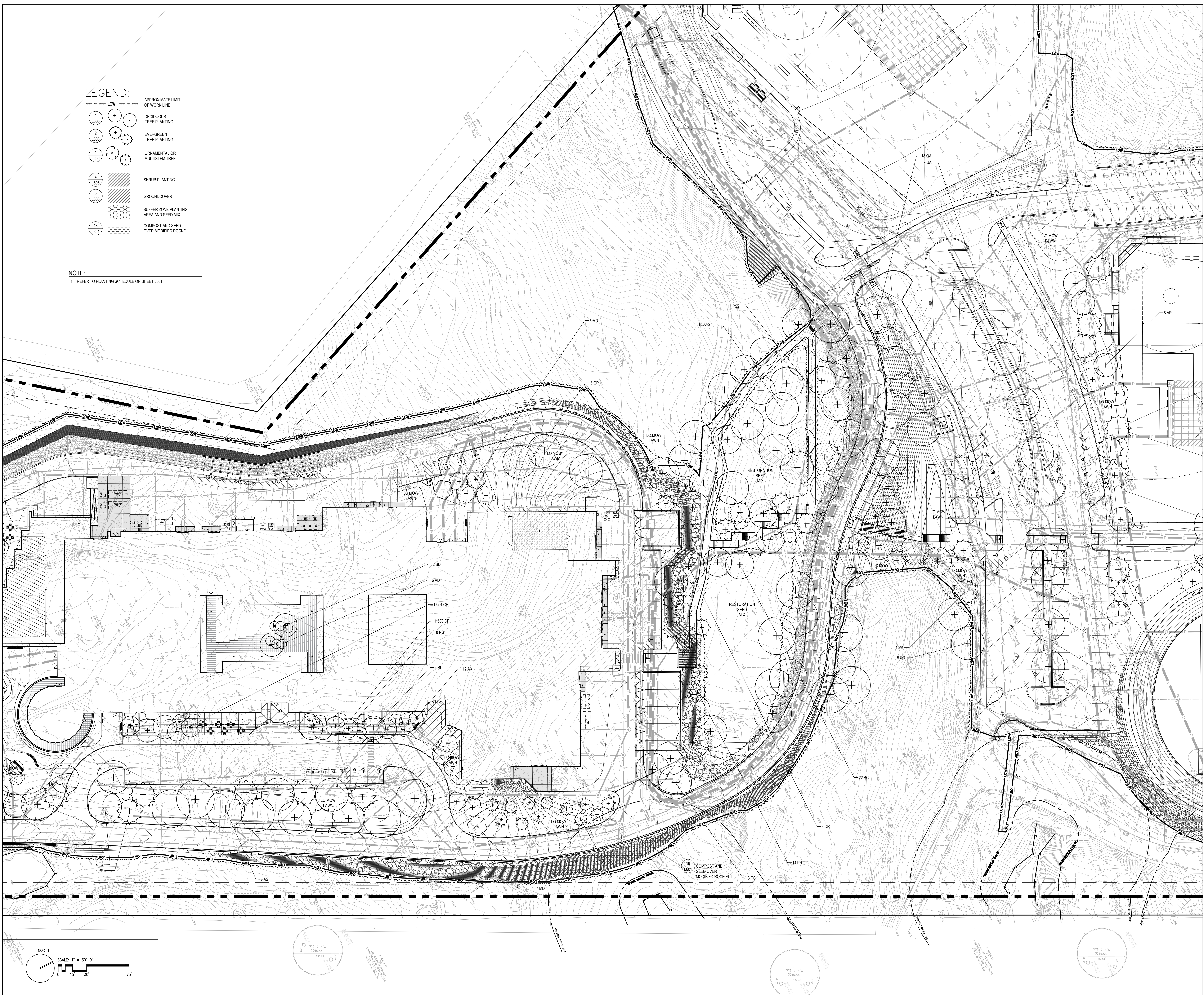


KEY PLAN

PROJECT NORTH	MAGNETIC NORTH
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Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L503



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 LEGEND ON SHEET L501

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KEY PLAN

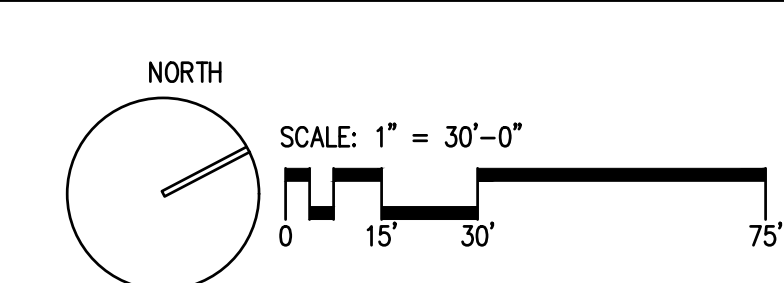
PROJECT NORTH

MAGNETIC NORTH

PLANTING
PLAN - 4

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L504



- 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 |
| 18 L601 | + | BUFFER ZONE PLANTING AREA AND SEED MIX |
| | + | COMPOST AND SEED OVER MODIFIED ROCKFILL |

NOTE:
1. REFER TO PLANTING LEGEND ON SHEET L501

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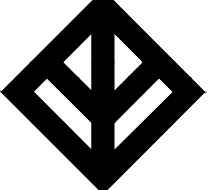
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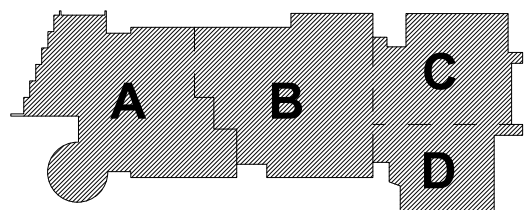
100 Hemlock Rd,
Wakefield, MA 01880



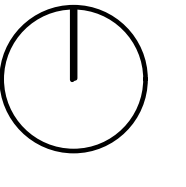
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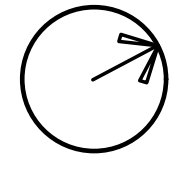
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Progress Set
January 13, 2023



KEY PLAN

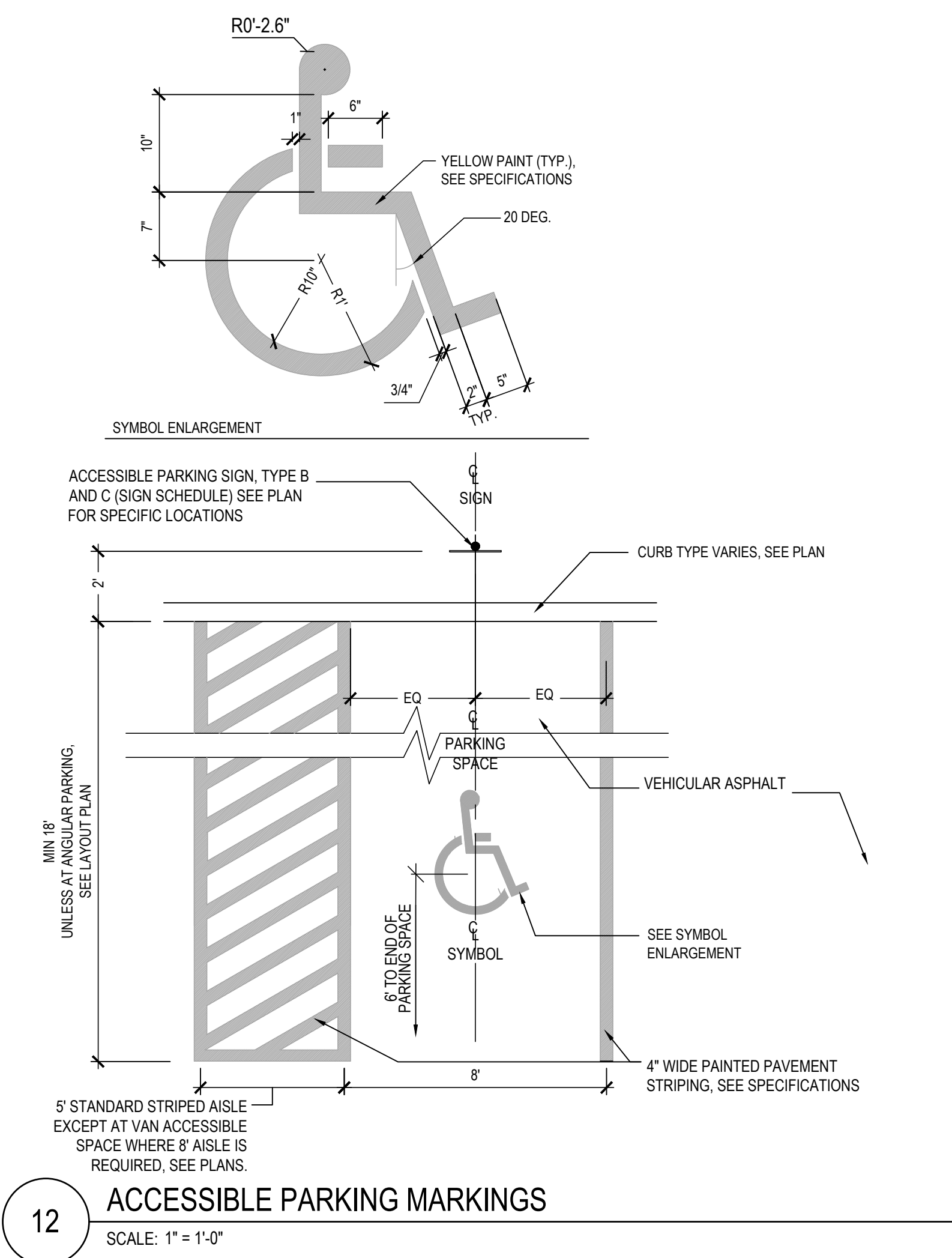
PROJECT NORTH


MAGNETIC NORTH


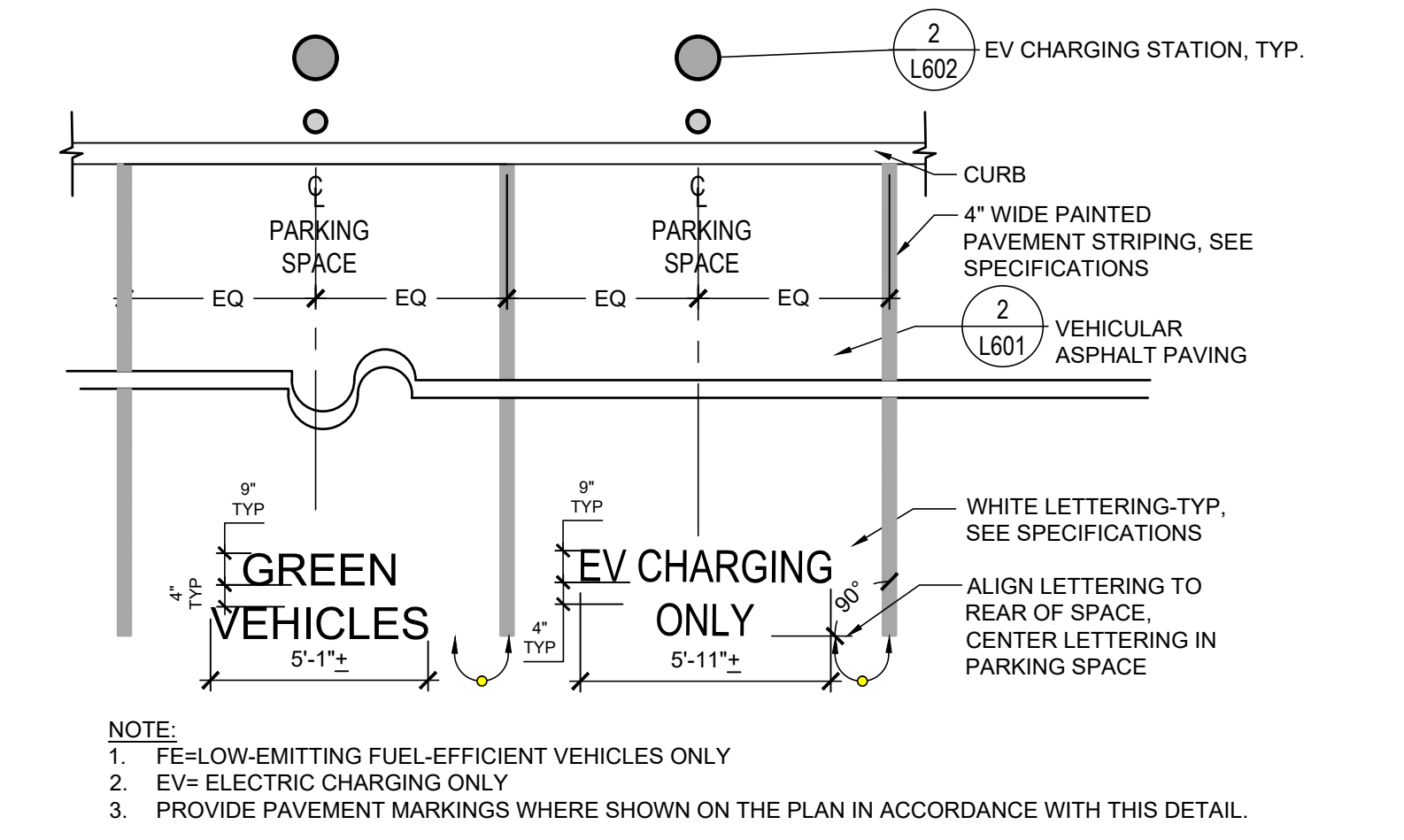
PLANTING PLAN - 5

Scale: 1" = 30'-0"
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

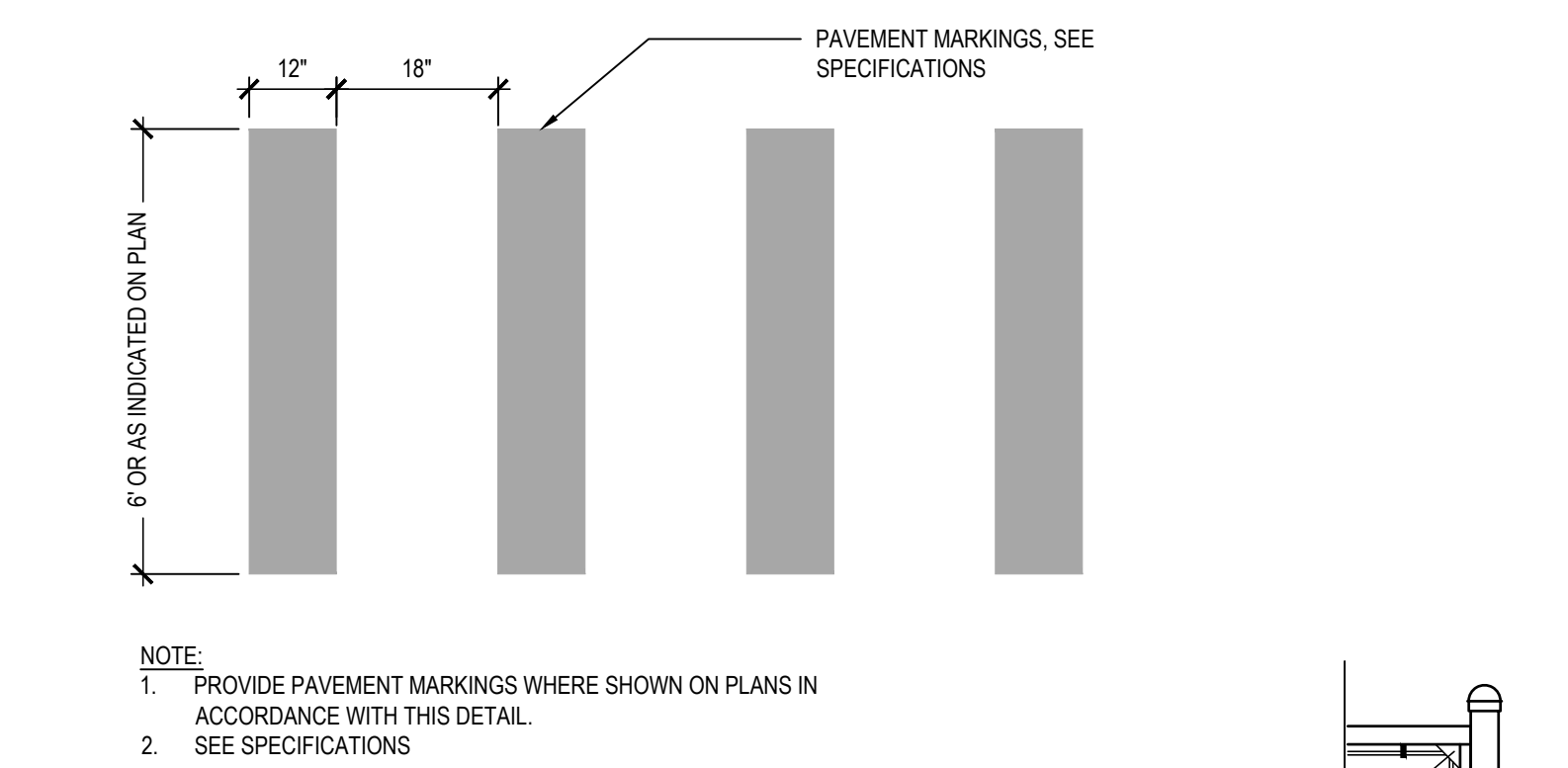
L505



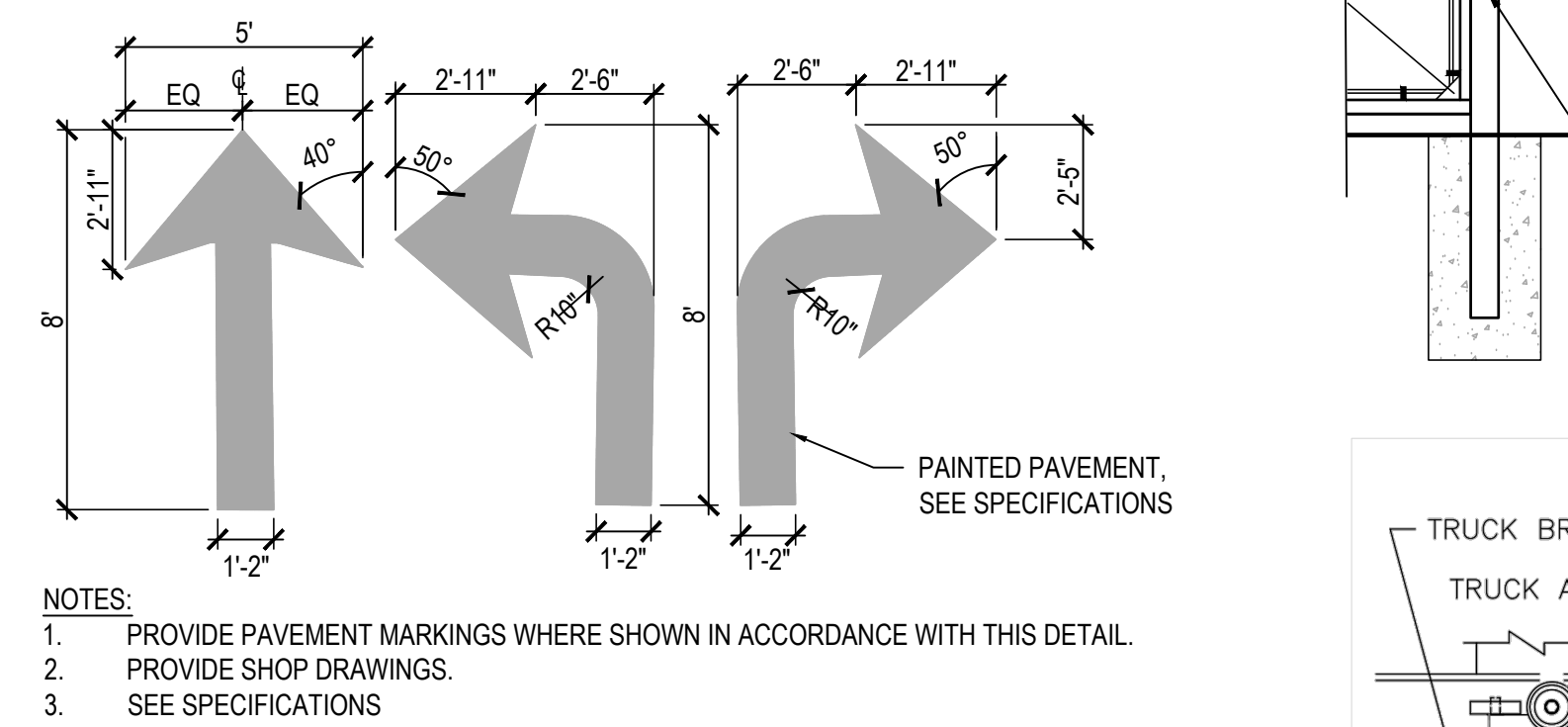
12 ACCESSIBLE PARKING MARKINGS
SCALE: 1" = 1'-0"



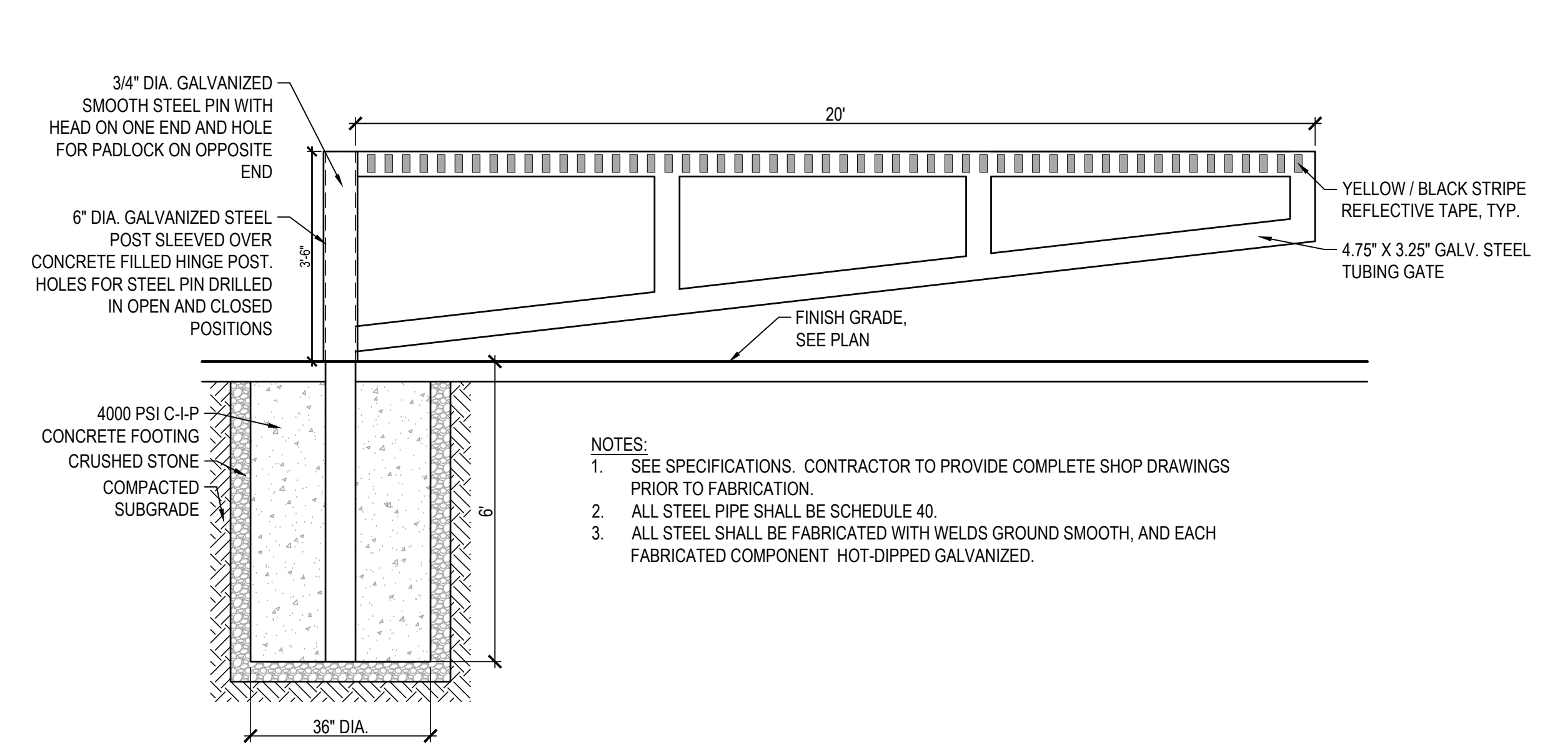
13 FUEL EFFICIENT PARKING
SCALE: 1" = 1'-0"



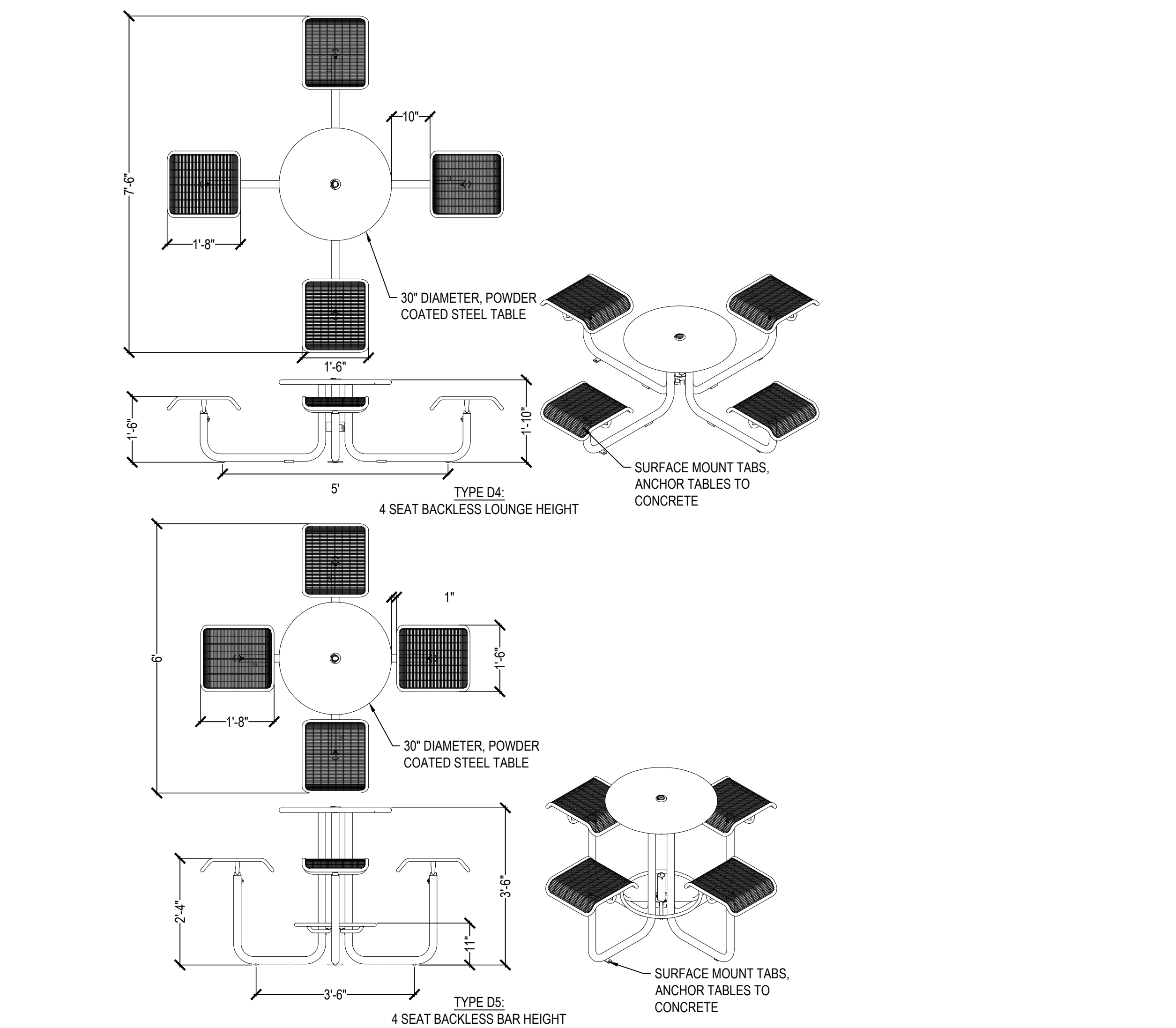
14 CROSSWALK MARKINGS
SCALE: 1" = 1'-0"



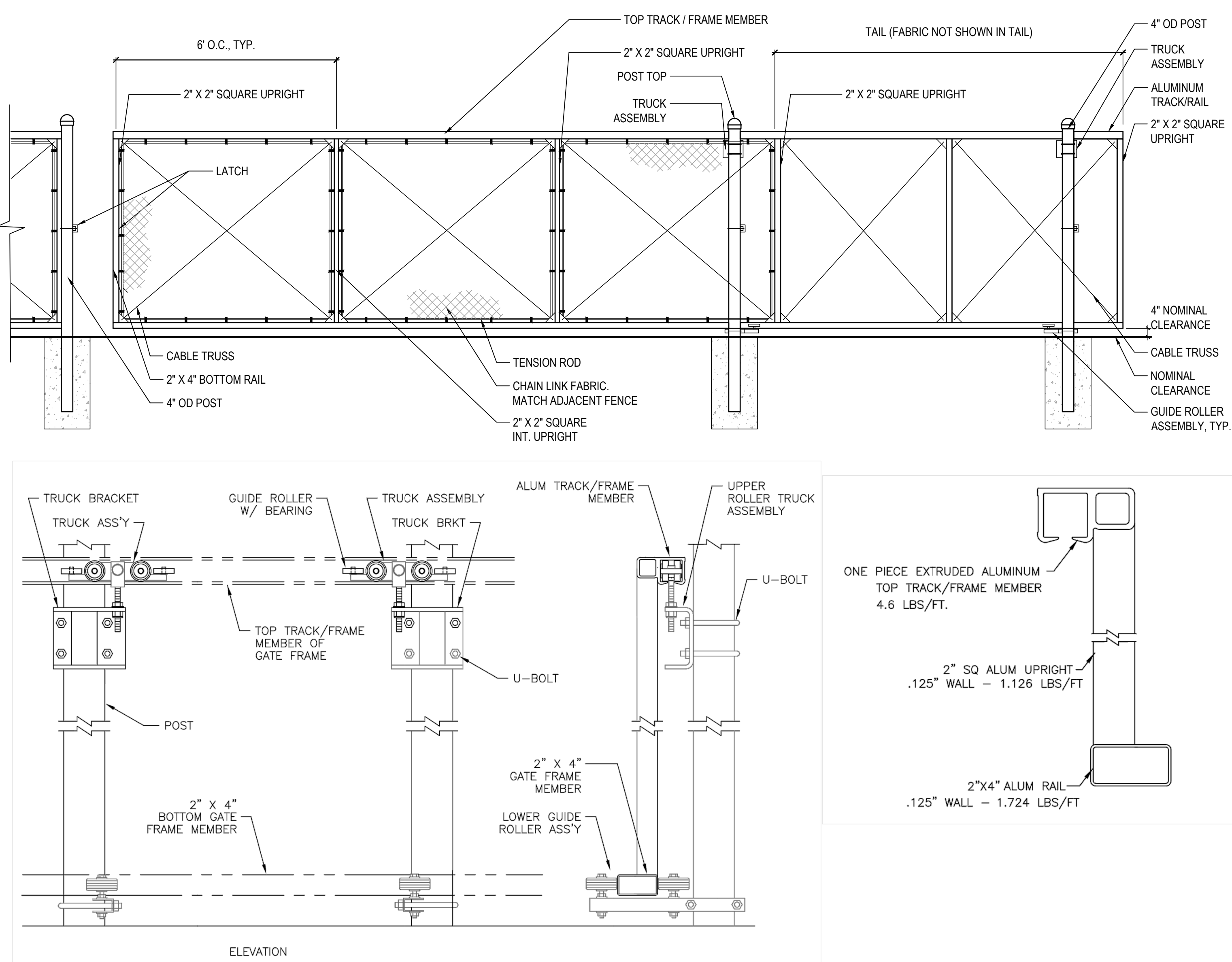
15 DIRECTIONAL PAVEMENT MARKINGS
SCALE: 1" = 1'-0"



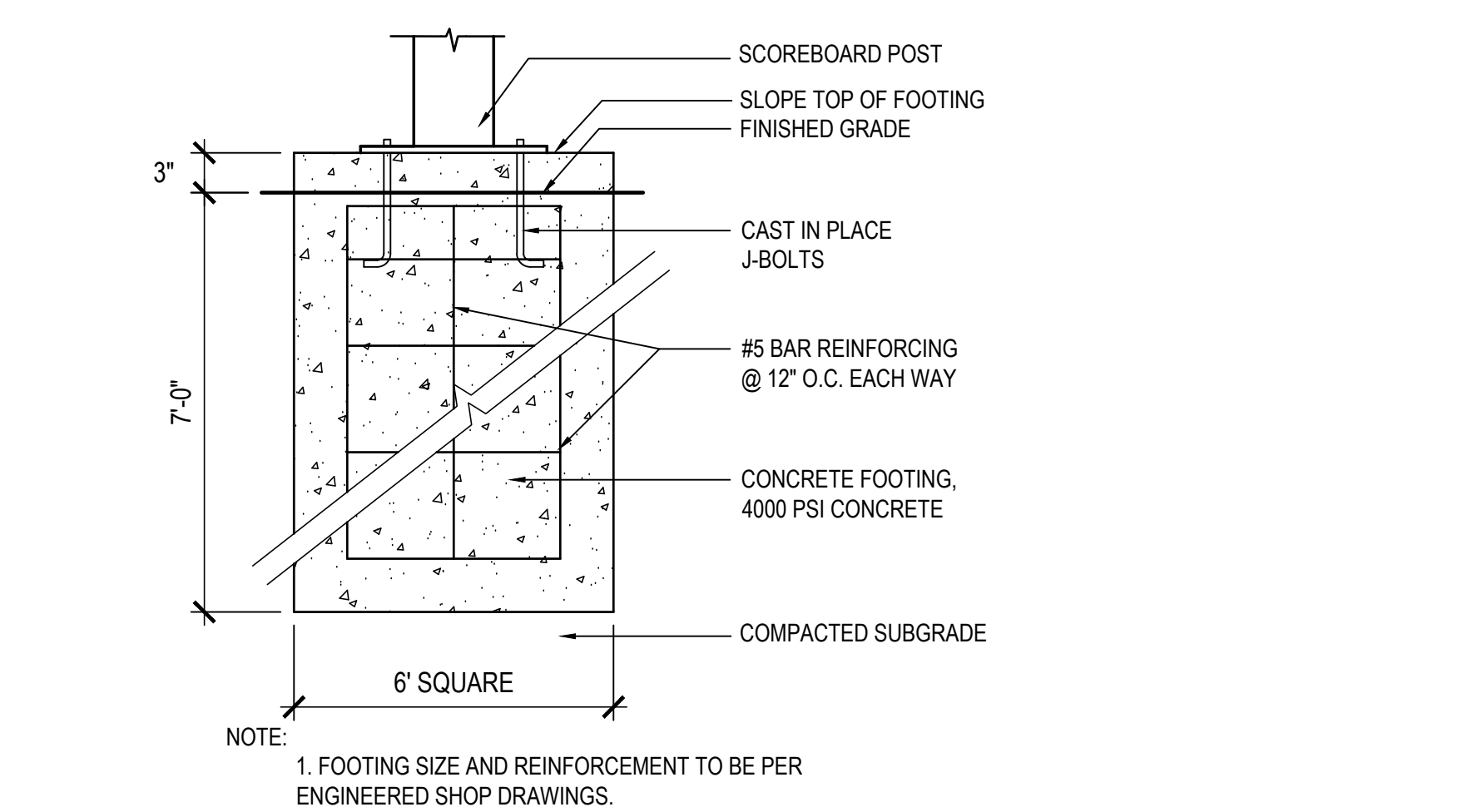
9 VEHICULAR BARRIER GATE
SCALE: 1/2" = 1'-0"



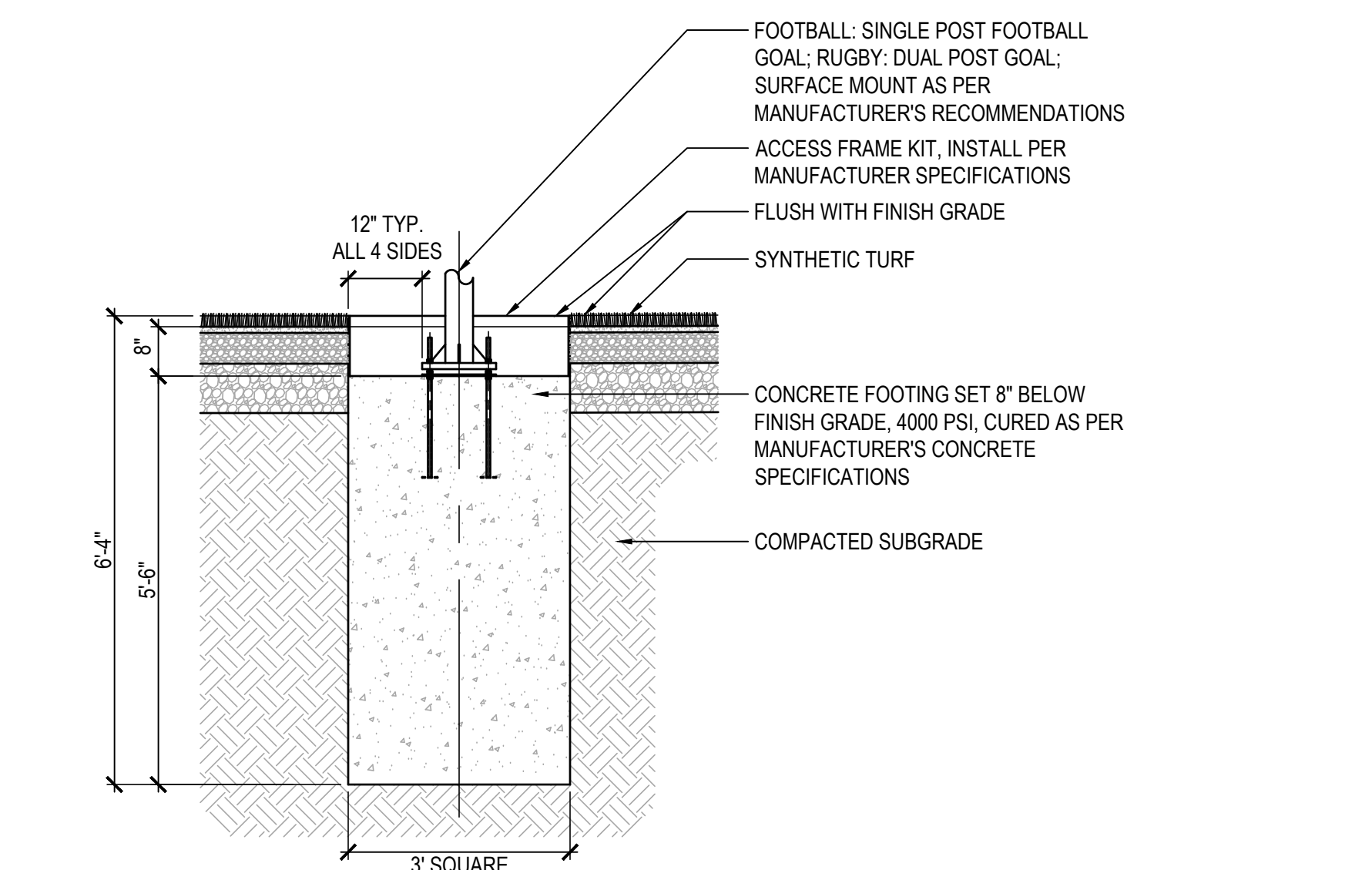
10 CAFE TABLES
SCALE: 1/2" = 1'-0"



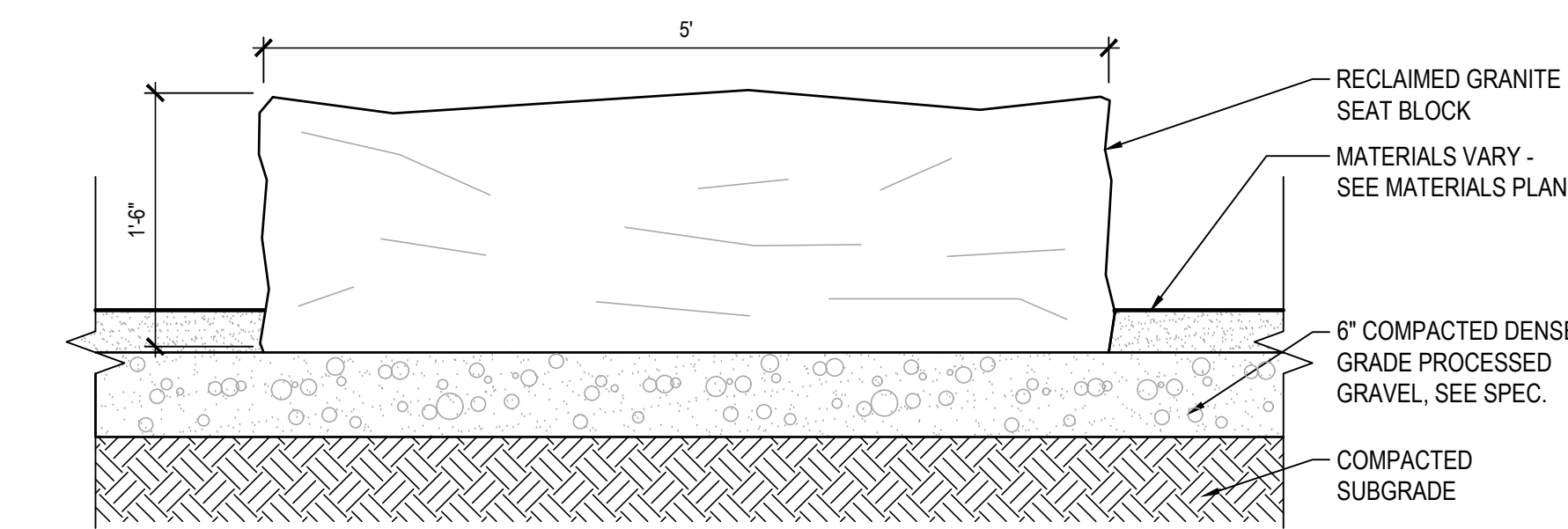
11 ALUMINUM CANTILEVERED SLIDE GATE
SCALE: 1/2" = 1'-0"



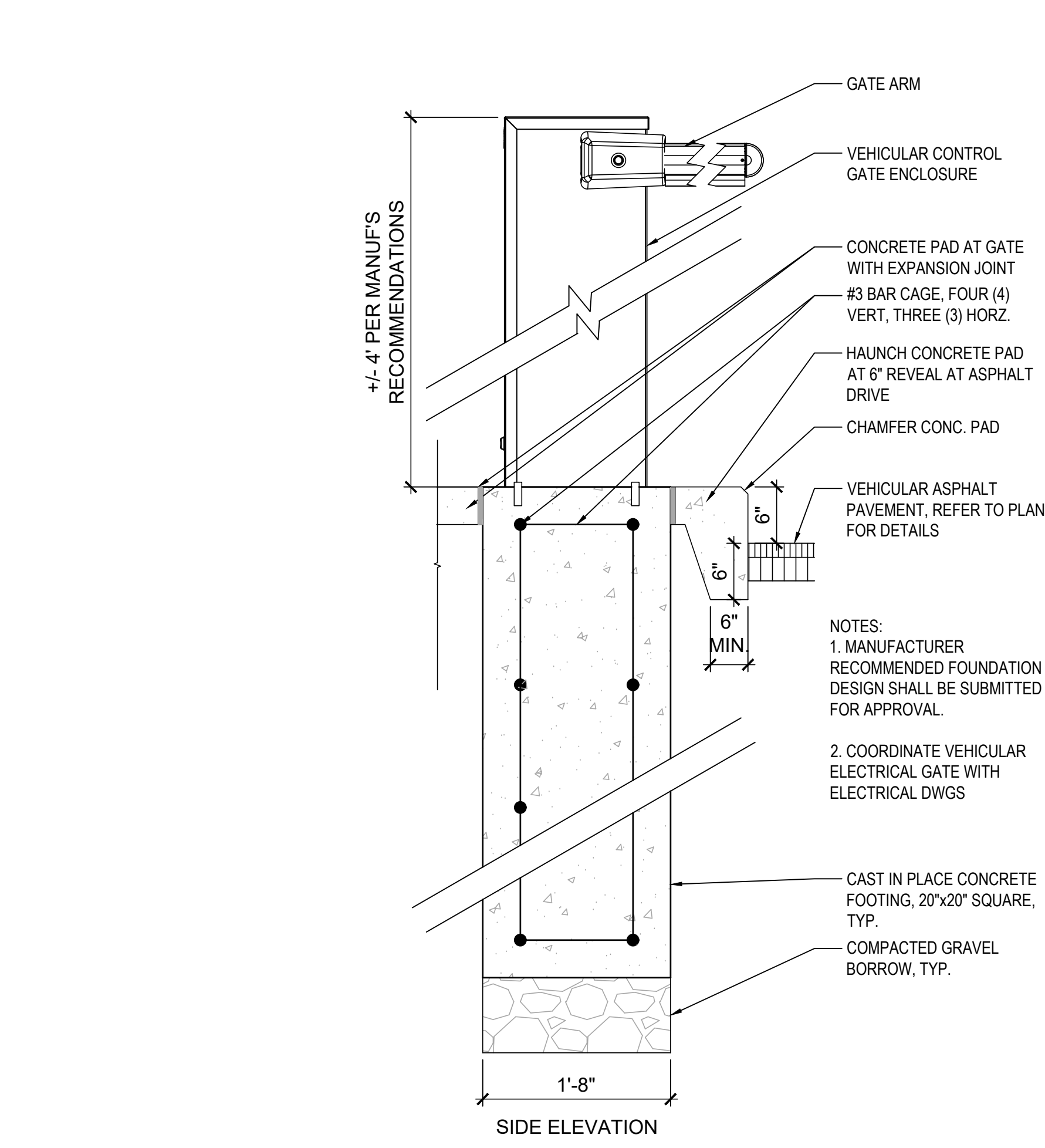
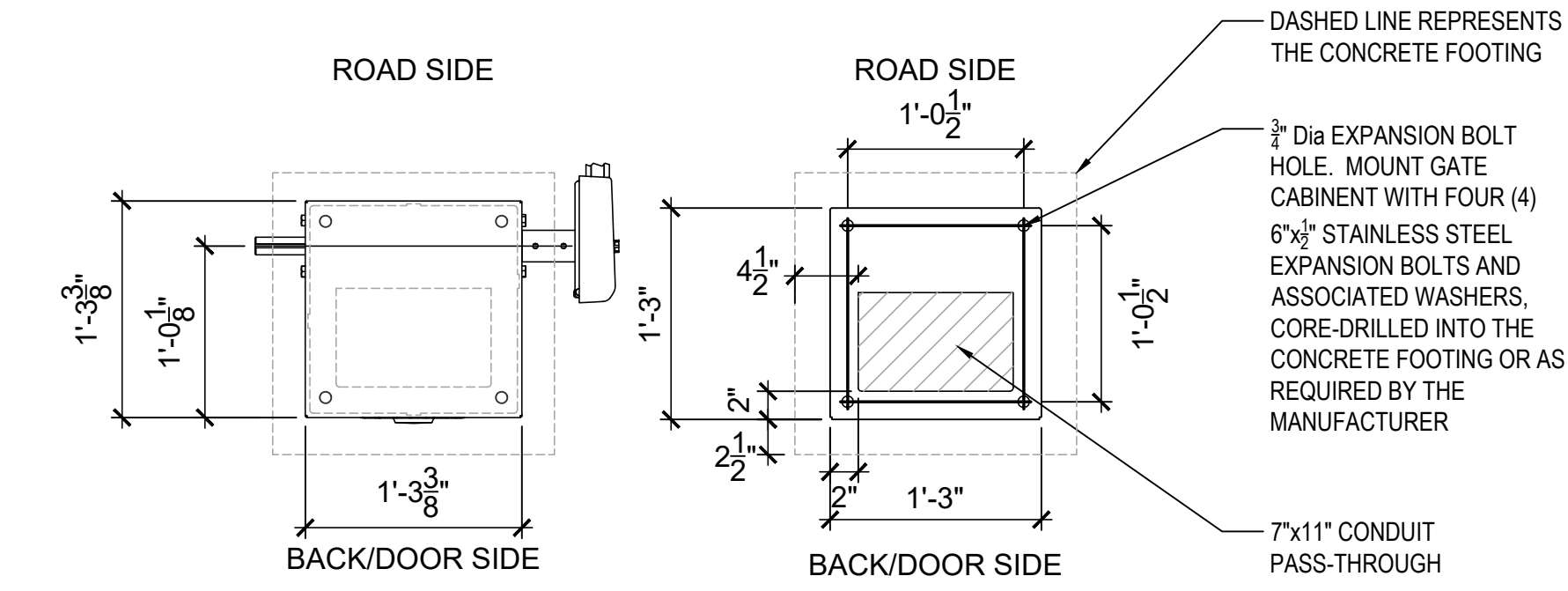
5 MULTI-SPORT SCOREBOARD FOOTING
SCALE: 1" = 1'-0"



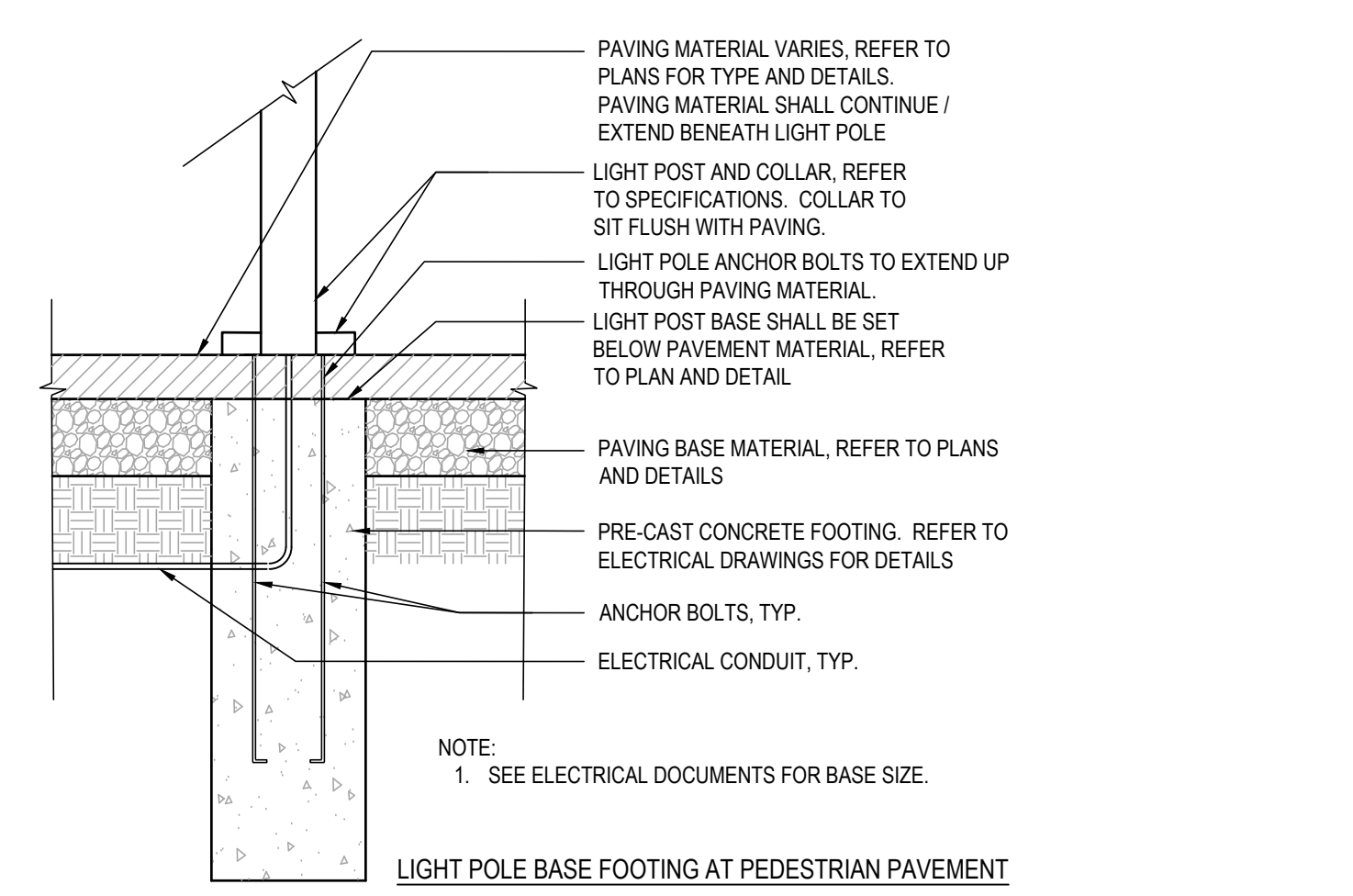
6 FOOTBALL GOAL POST FOOTING
SCALE: 1/2" = 1'-0"



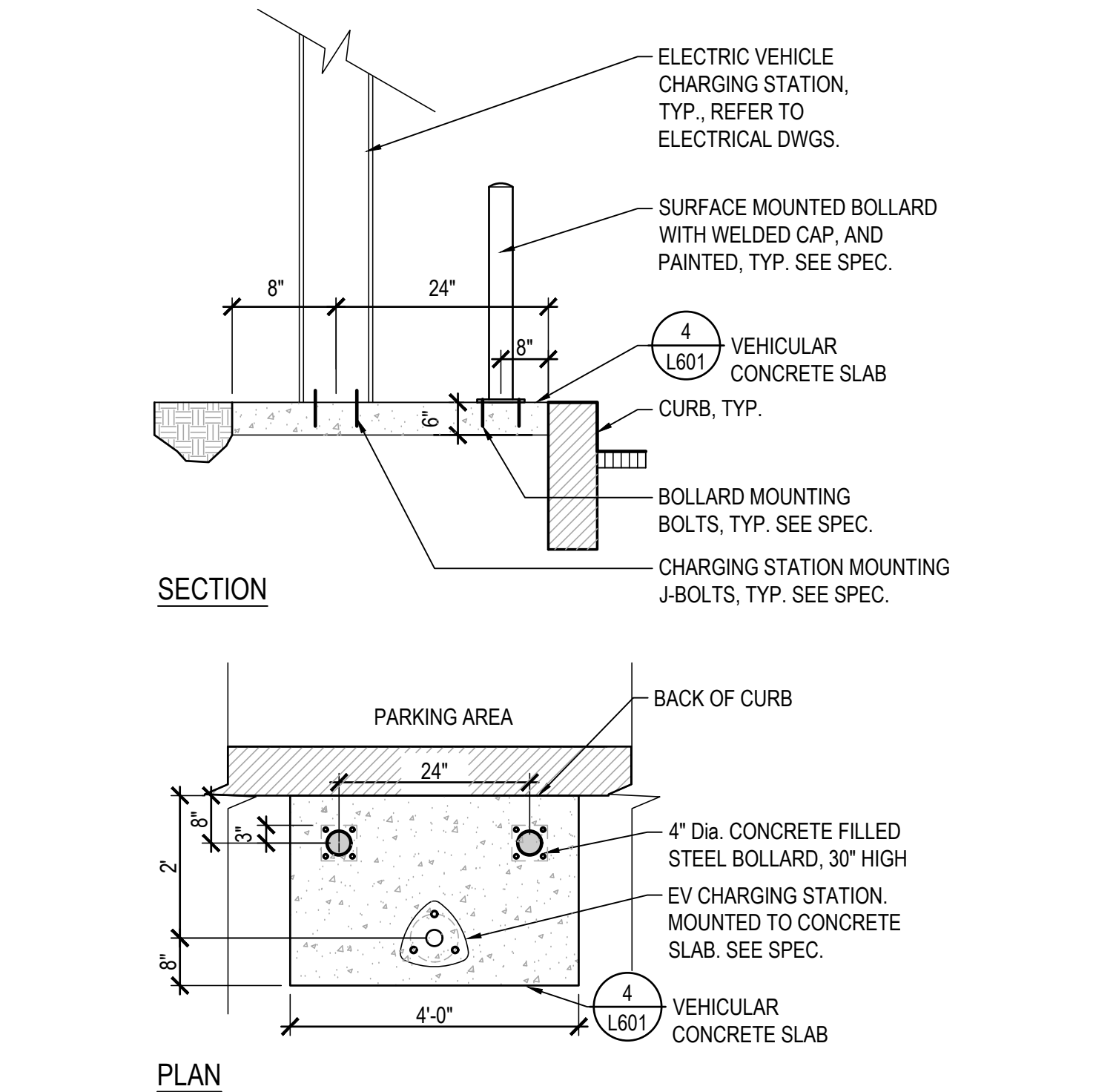
7 RECLAIMED GRANITE SEAT BLOCKS
SCALE: 1" = 1'-0"



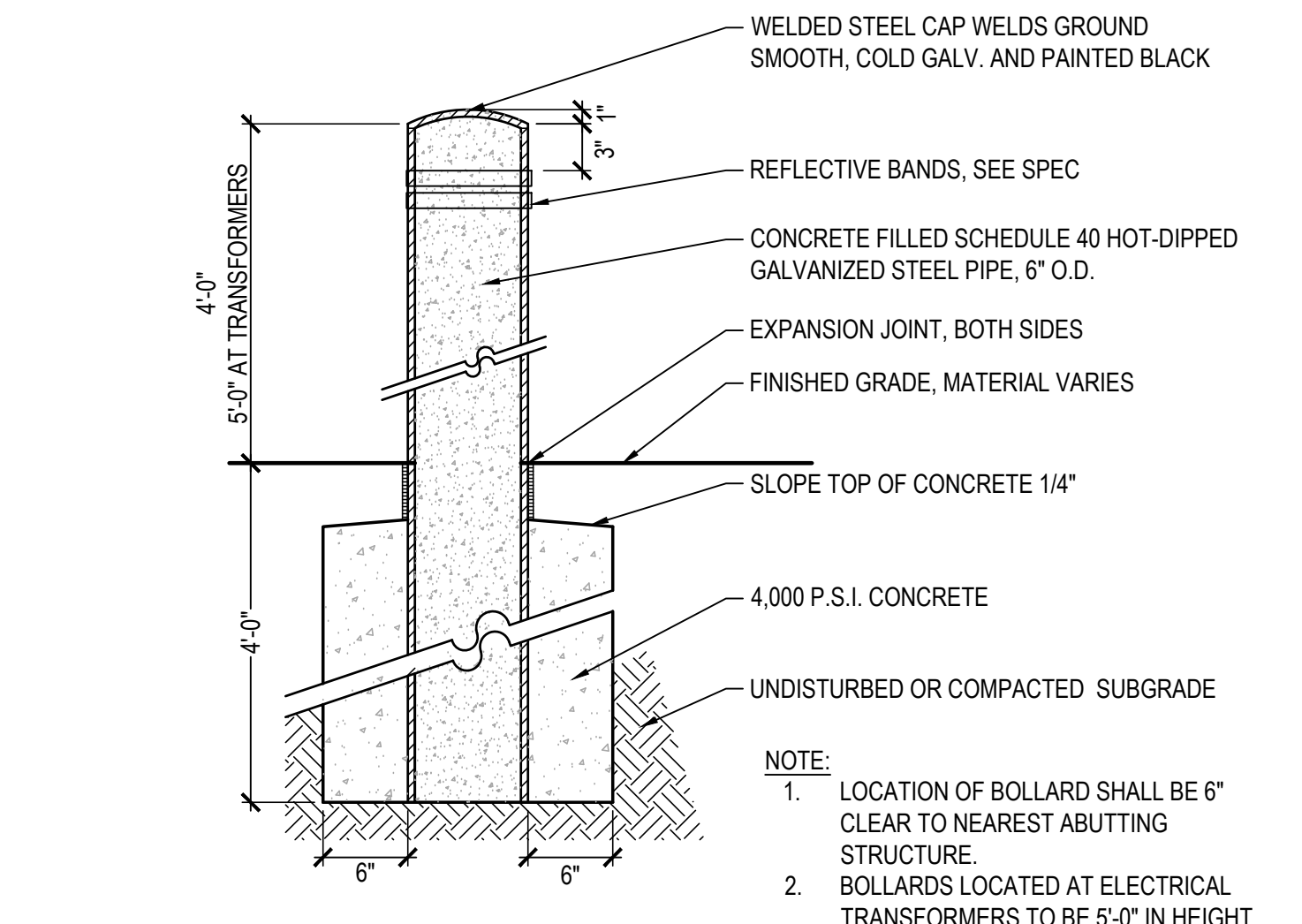
8 AUTOMATIC VEHICULAR GATE
SCALE: 1" = 1'-0"



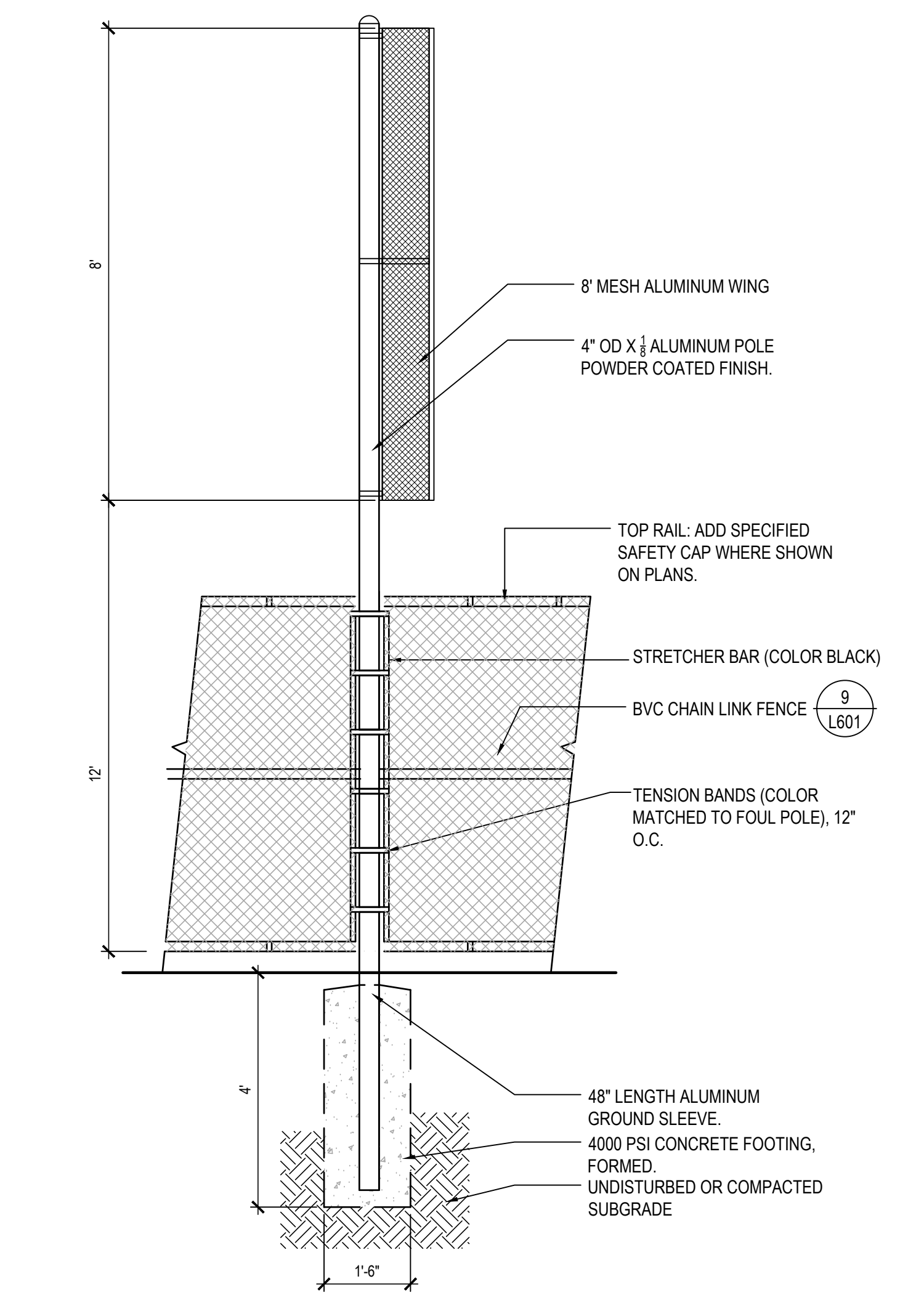
1 LIGHT POLE BASE FOOTING AT PAVEMENT
SCALE: 3/4" = 1'-0"



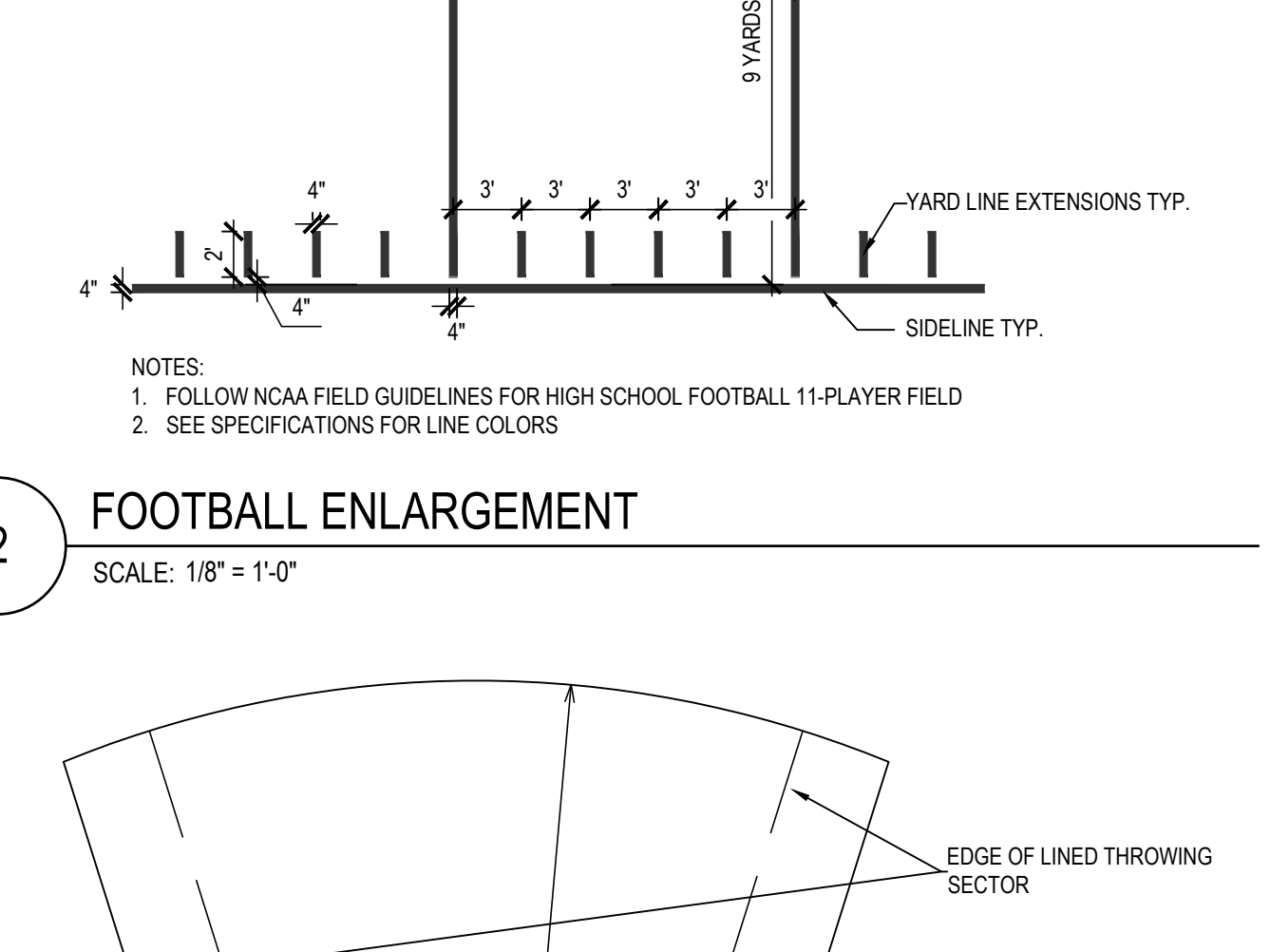
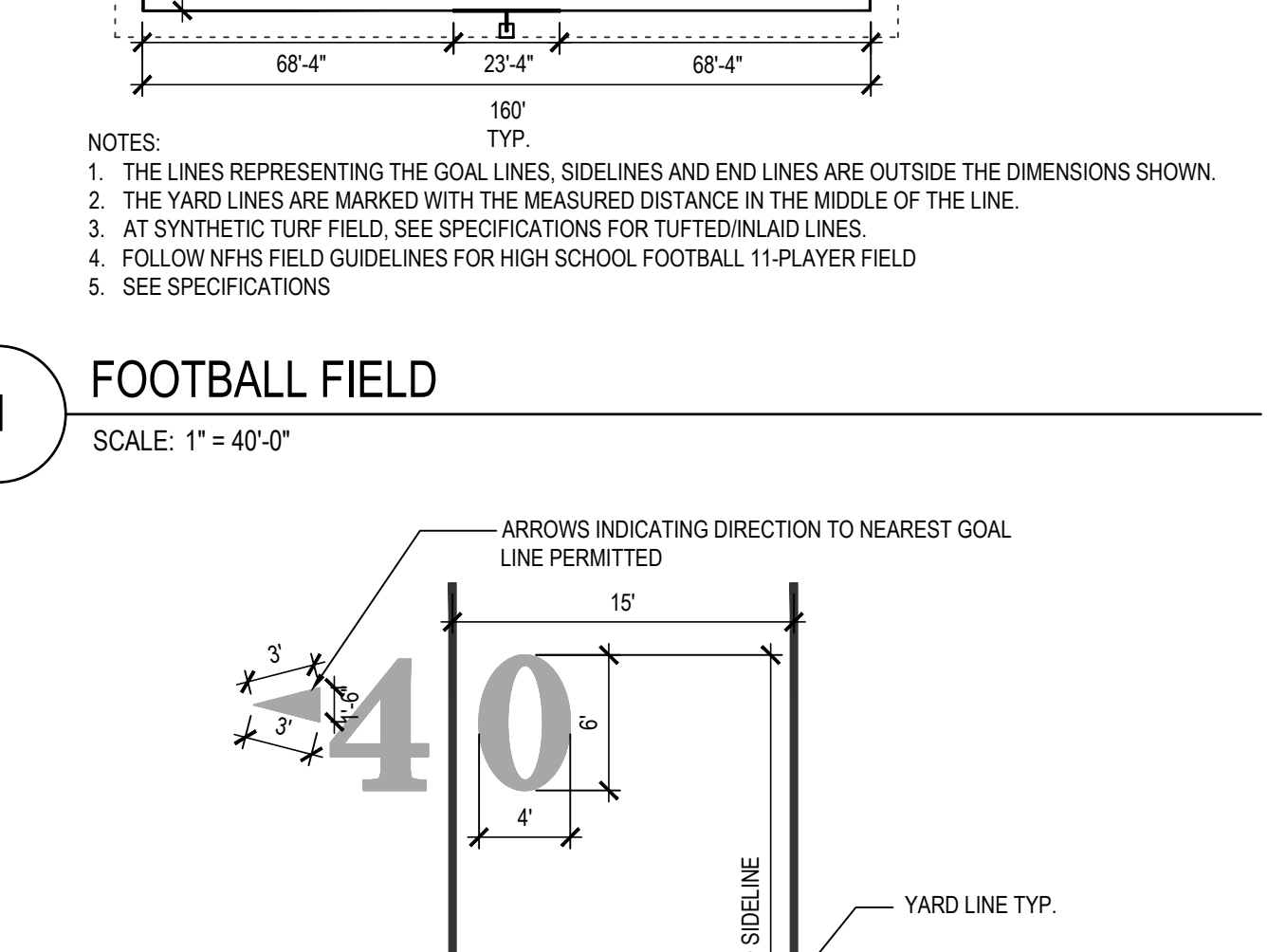
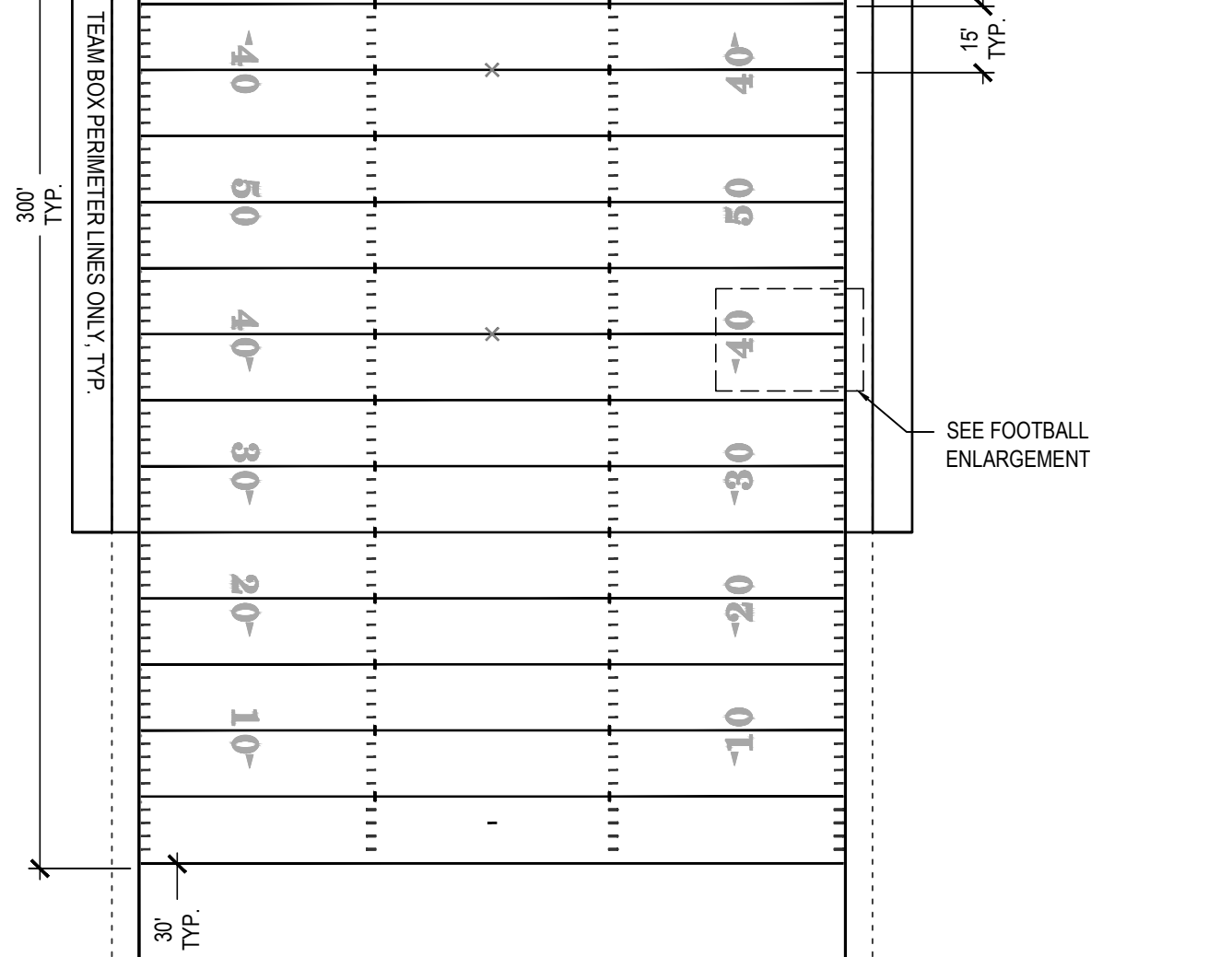
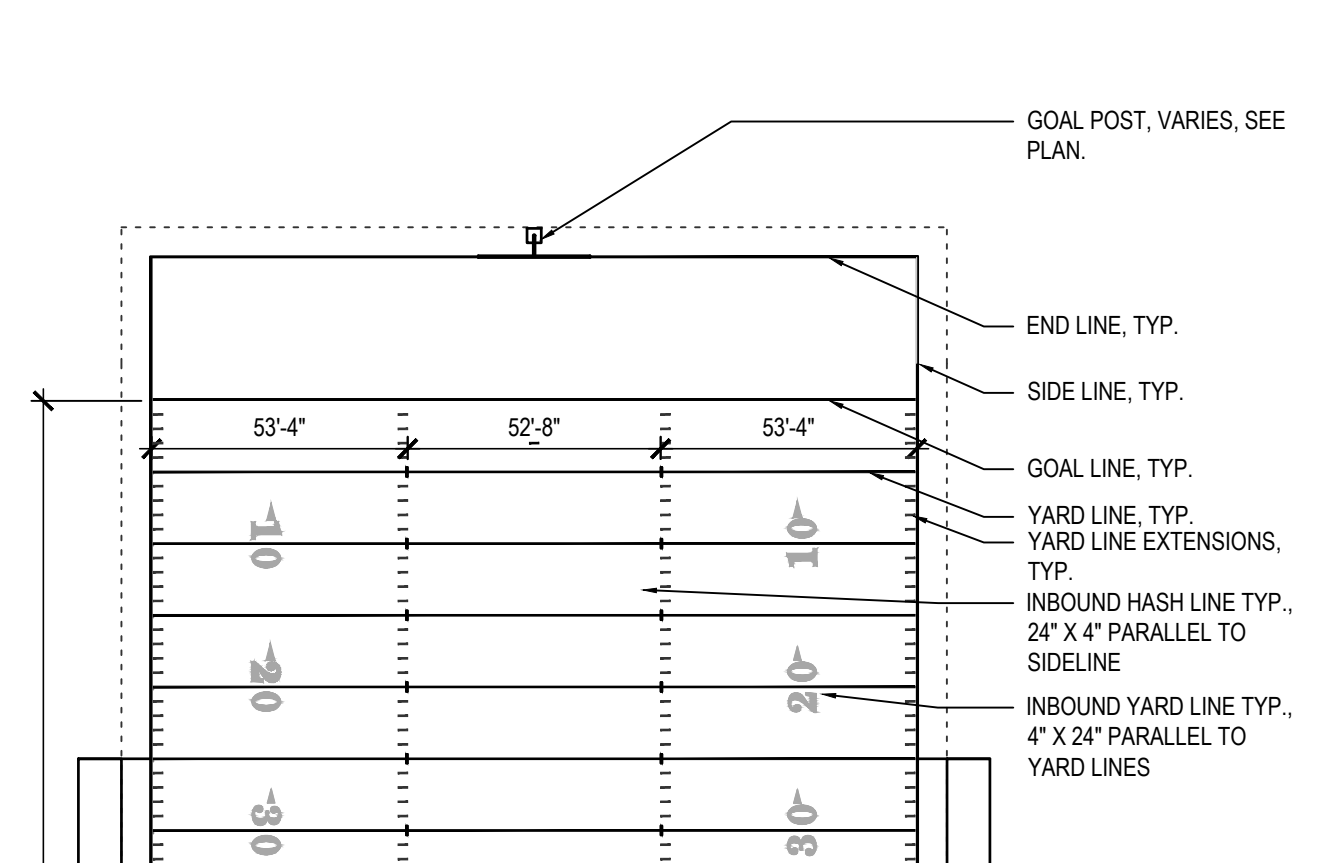
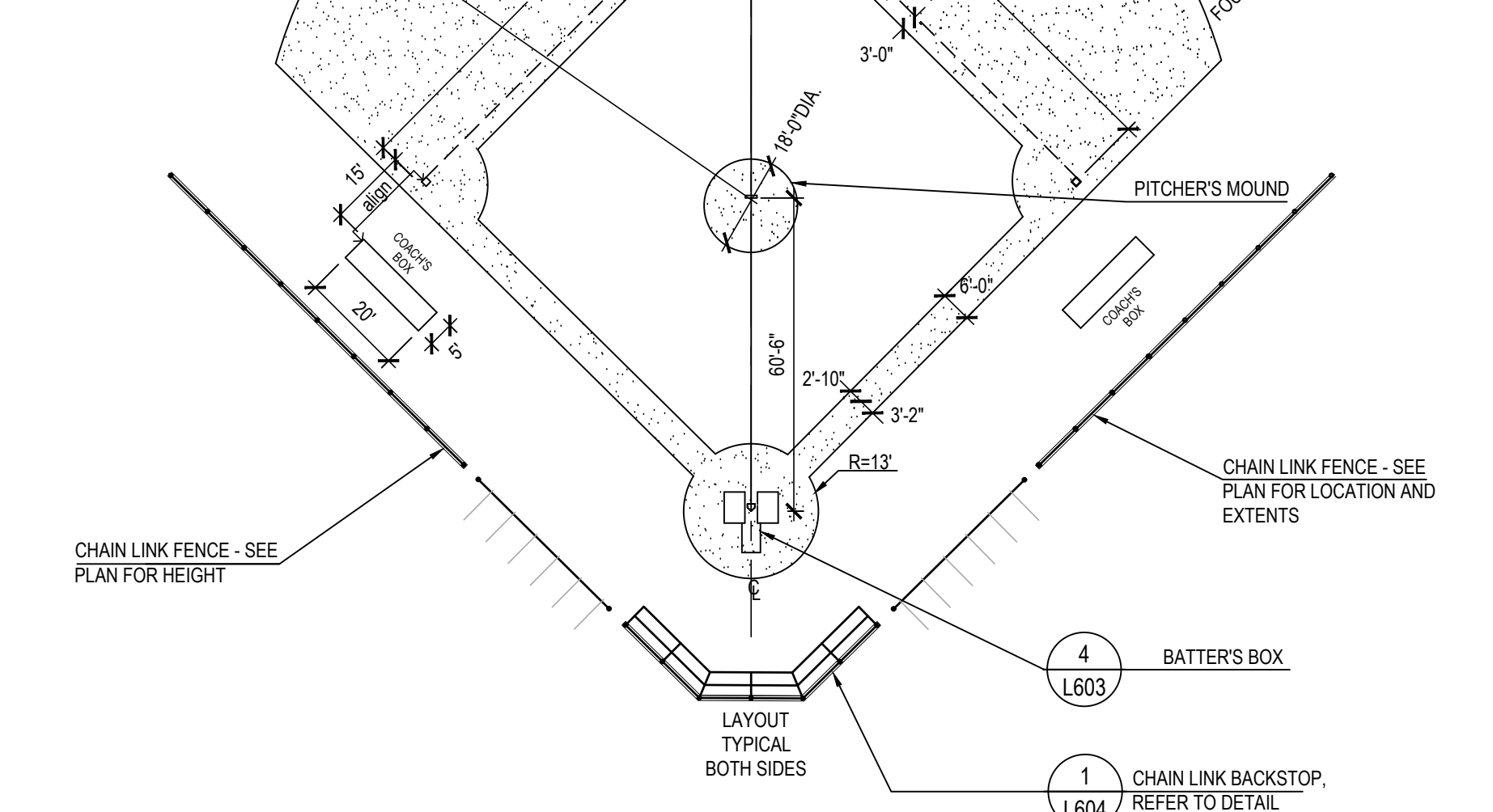
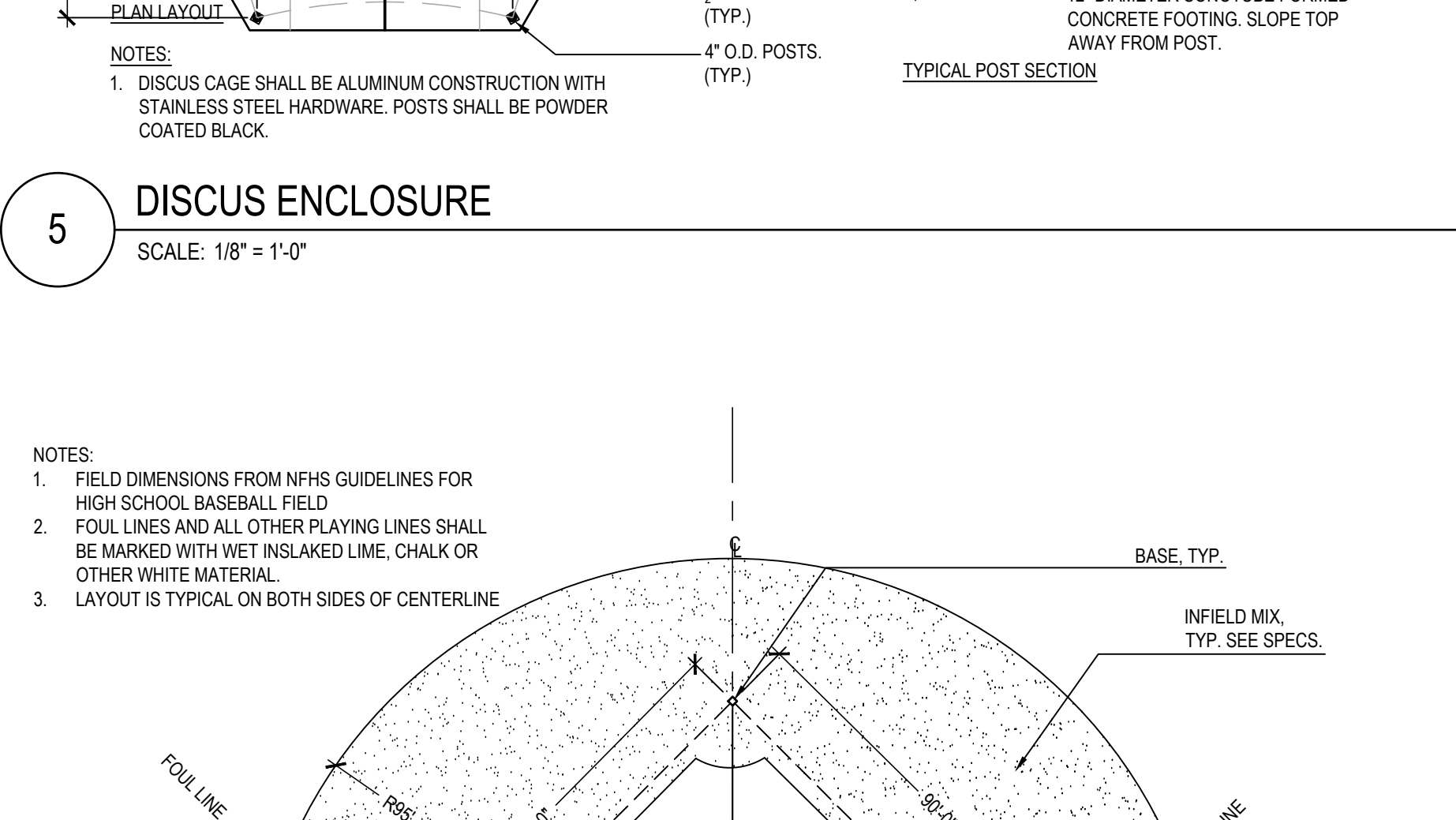
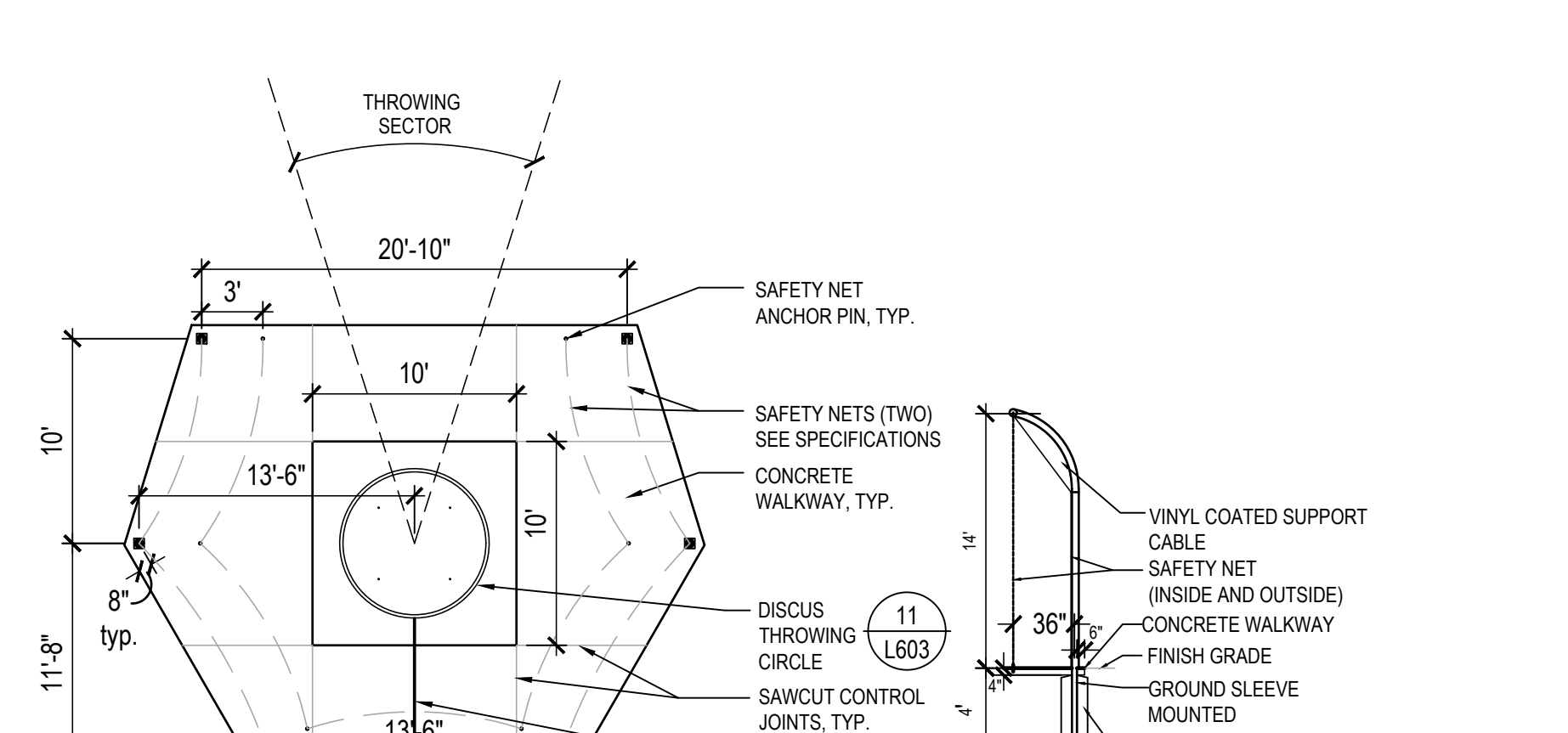
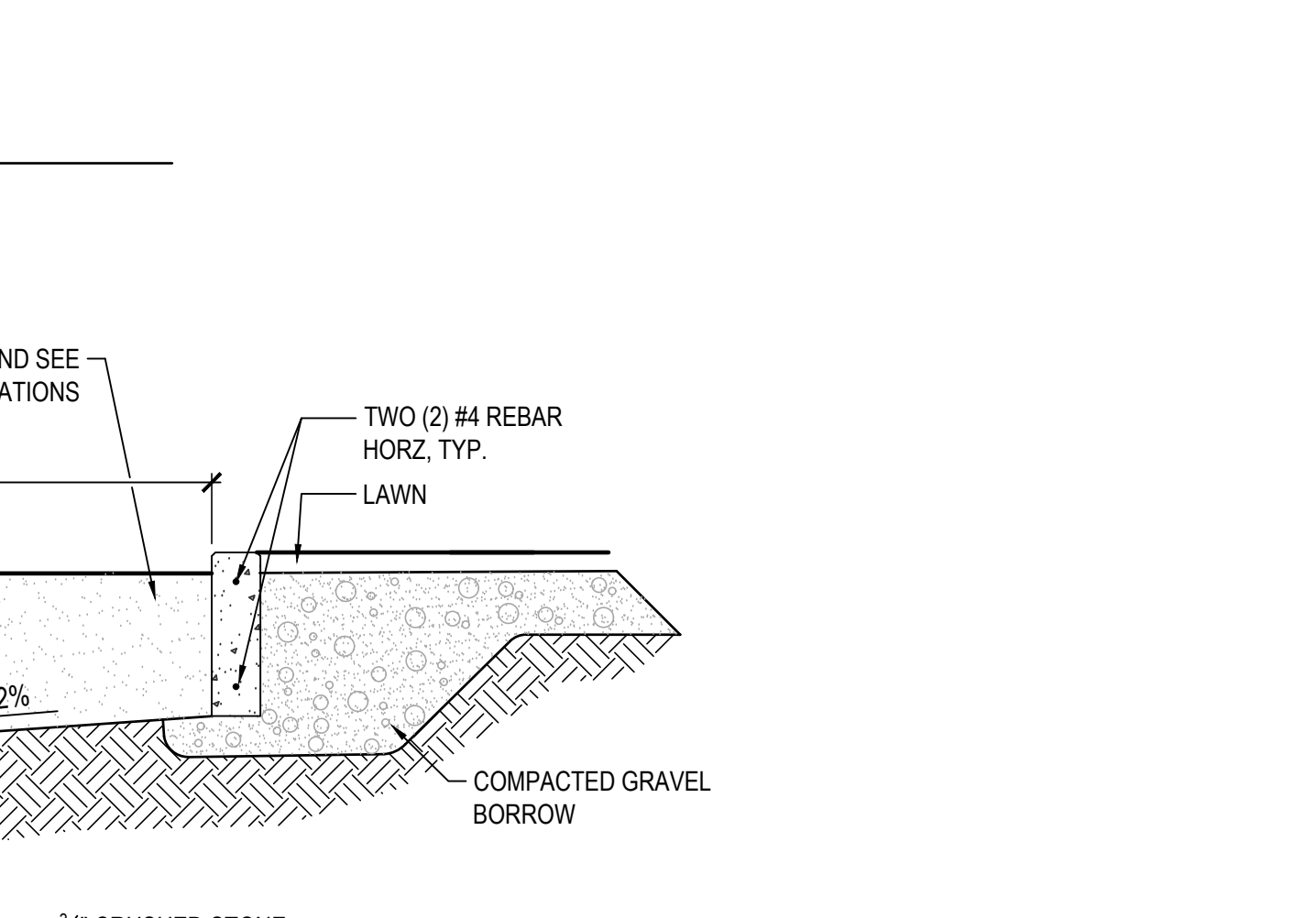
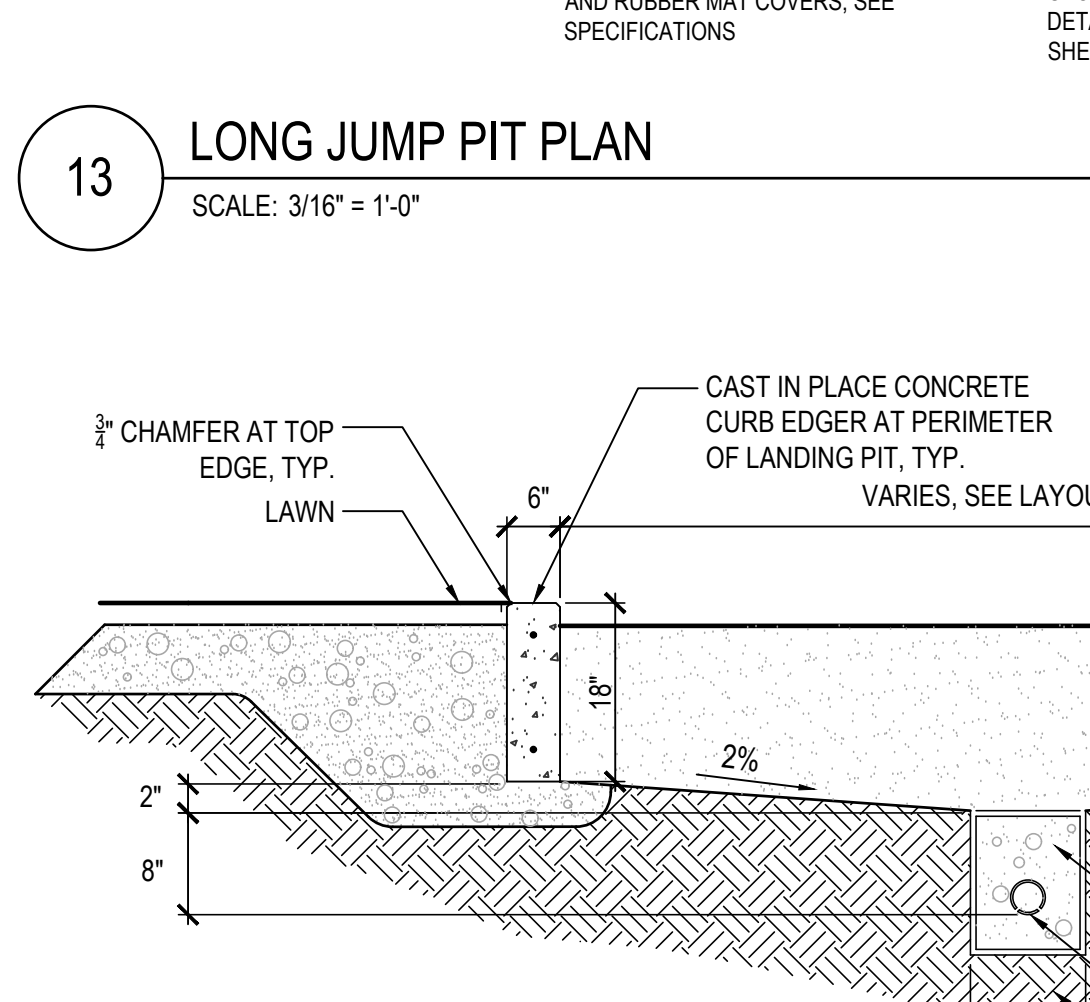
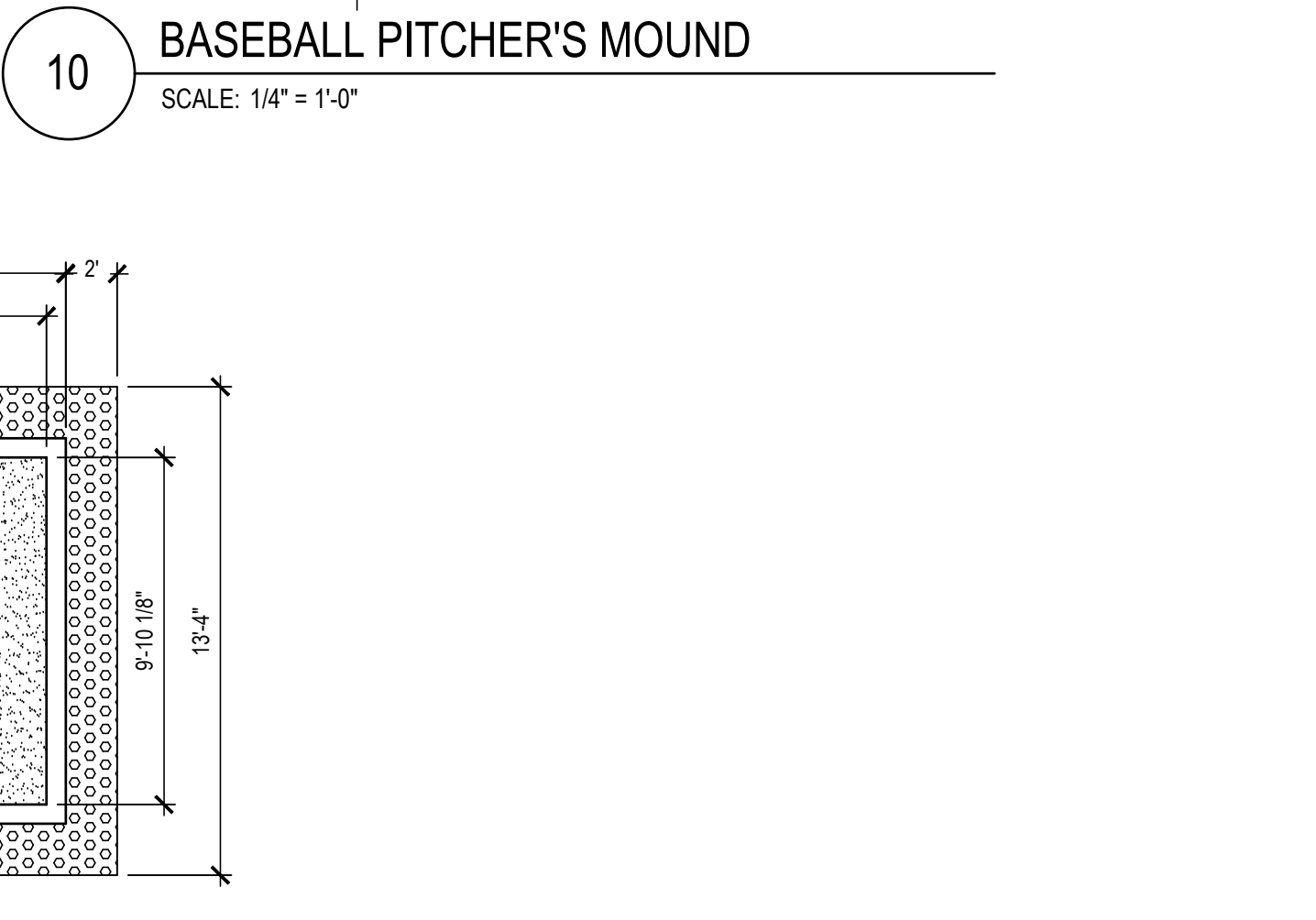
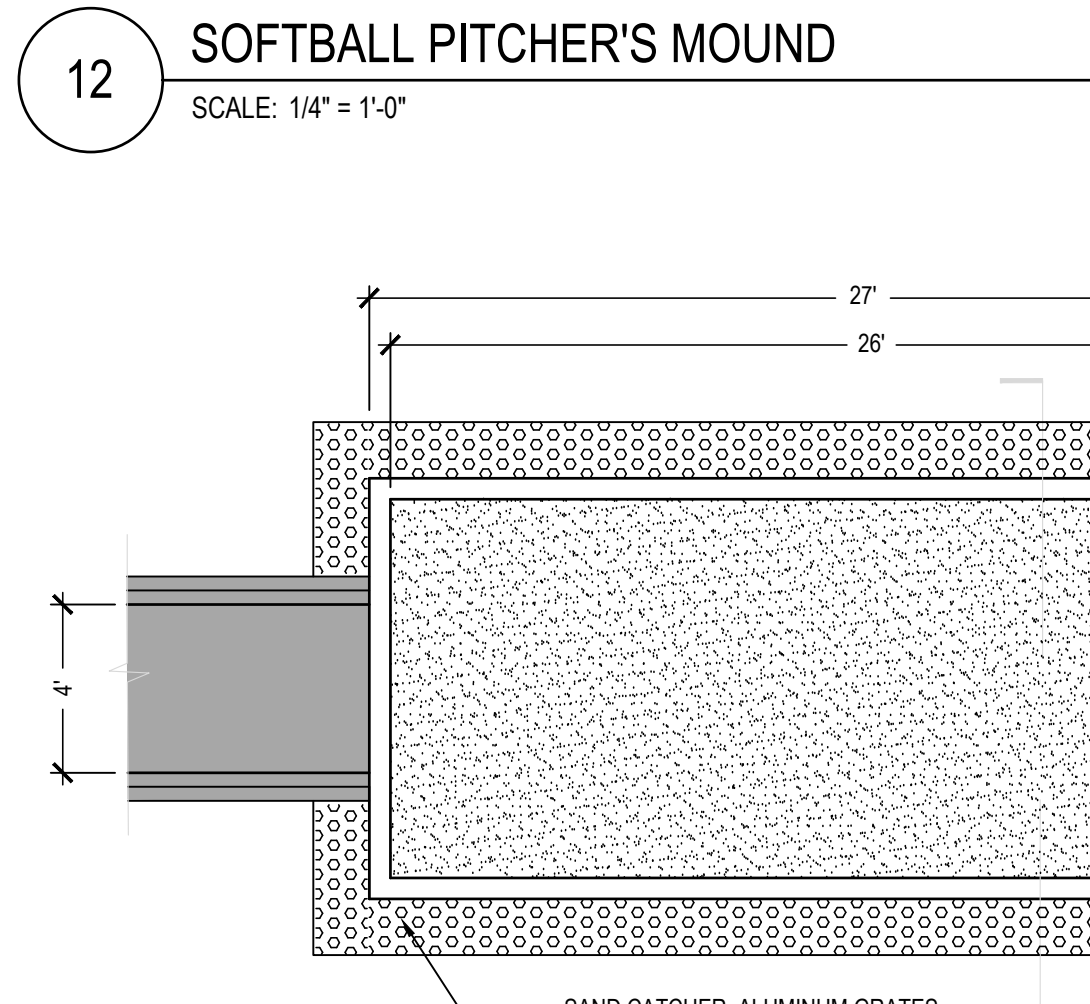
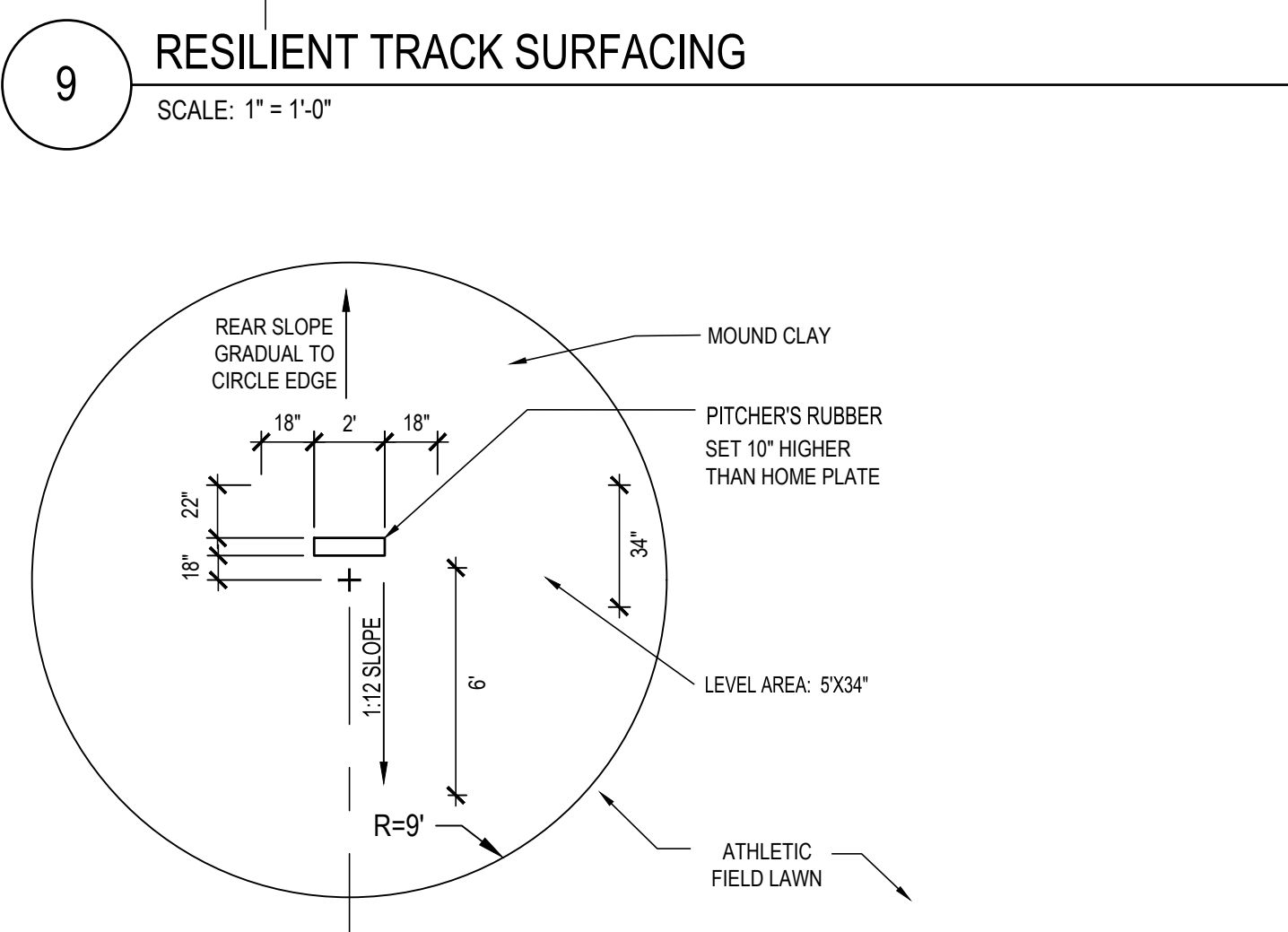
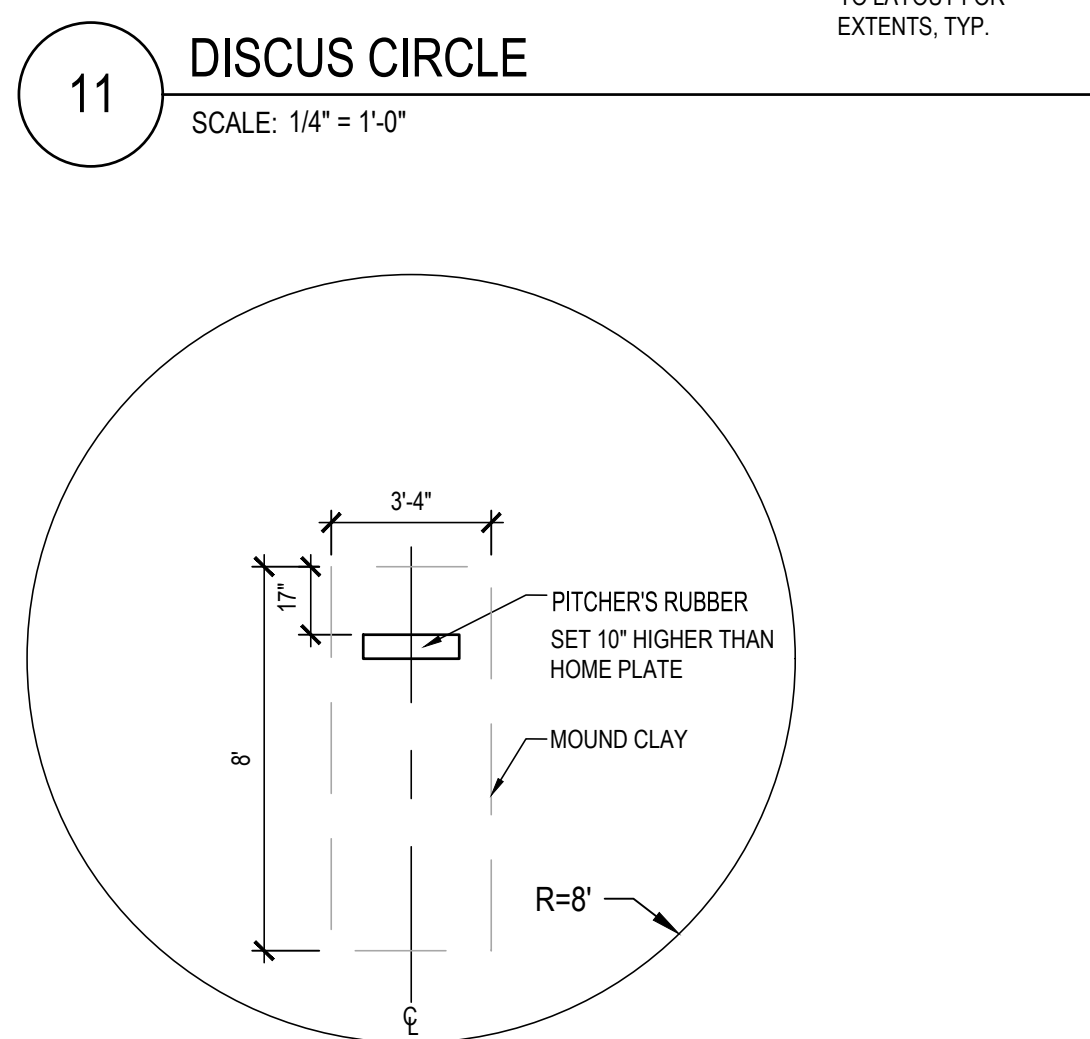
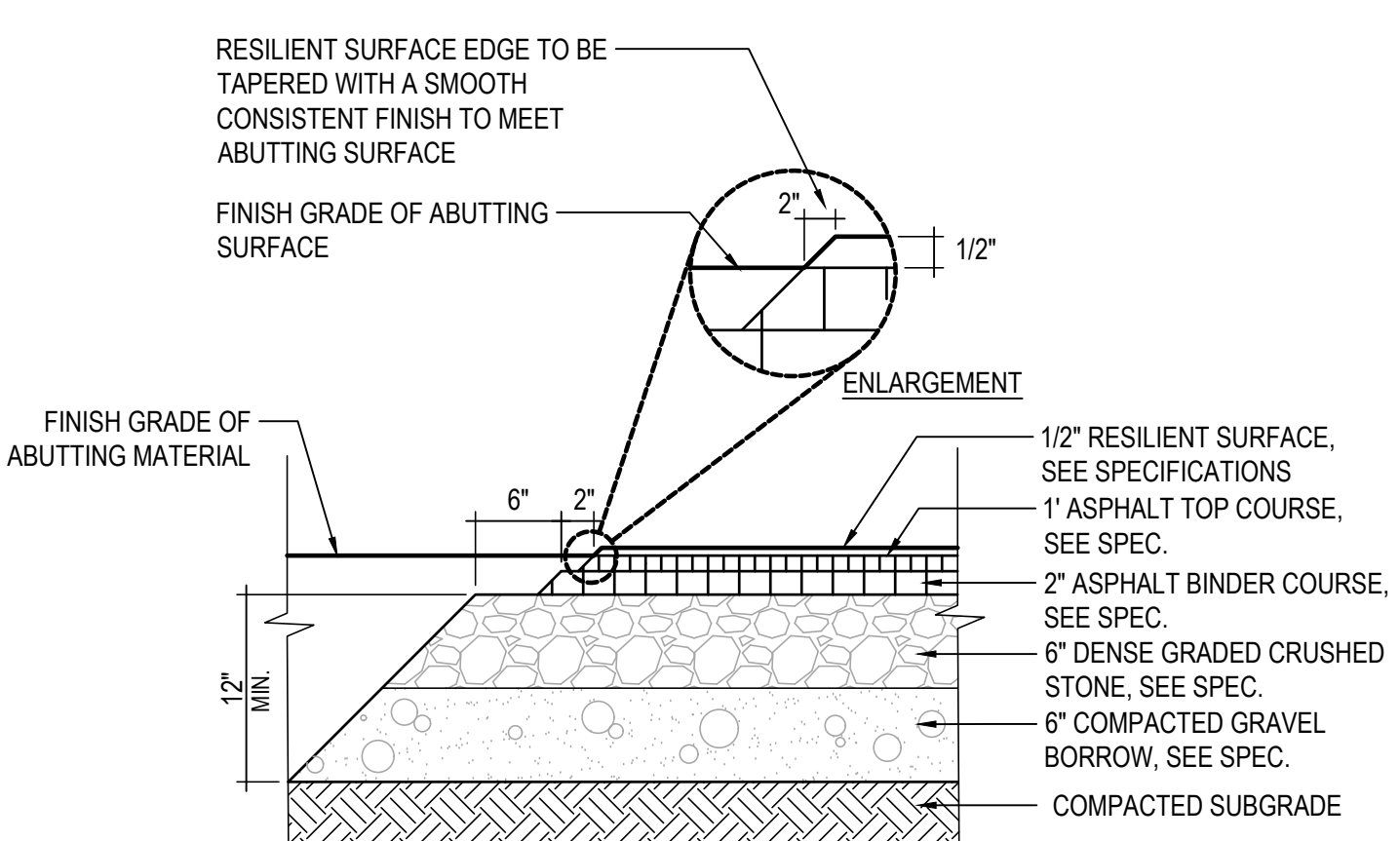
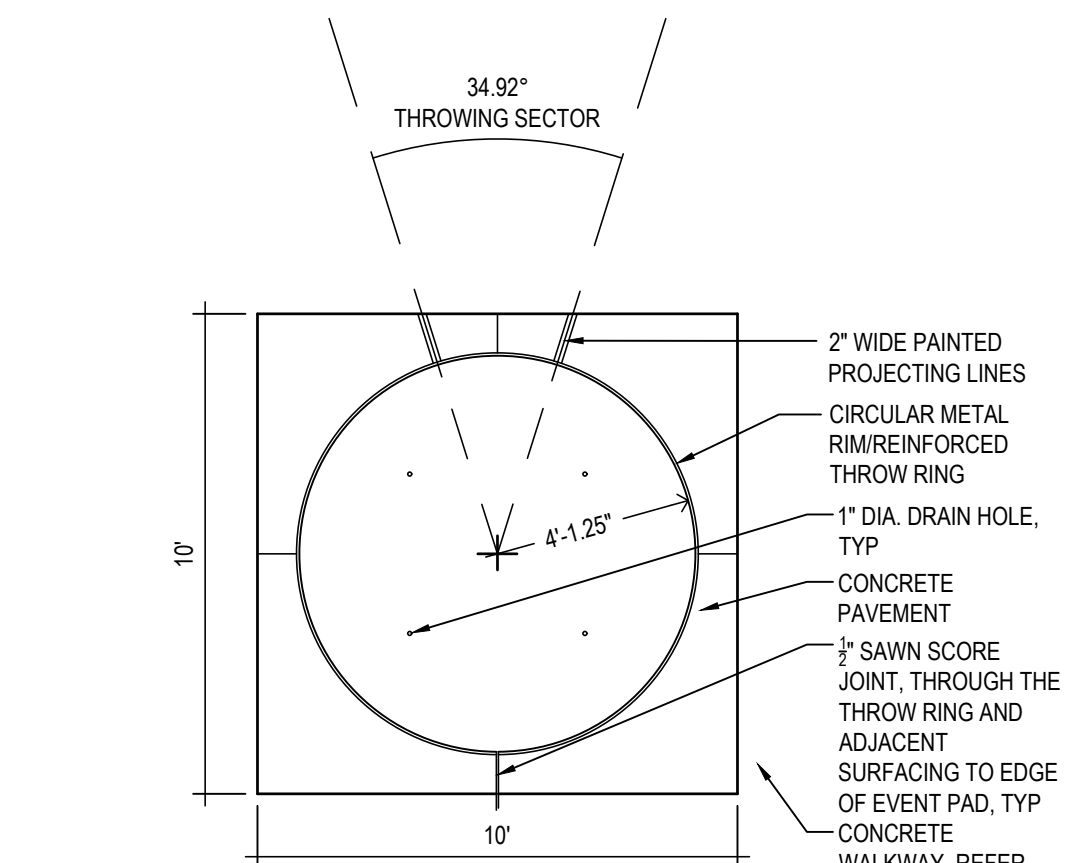
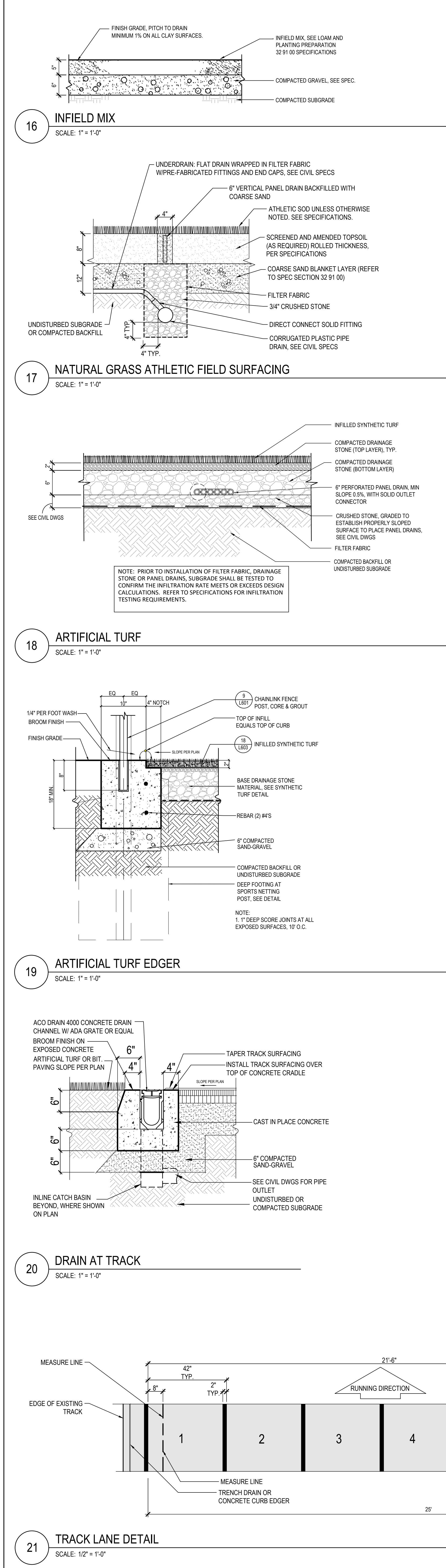
2 EV CHARGING STATION
SCALE: 1/2" = 1'-0"



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



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



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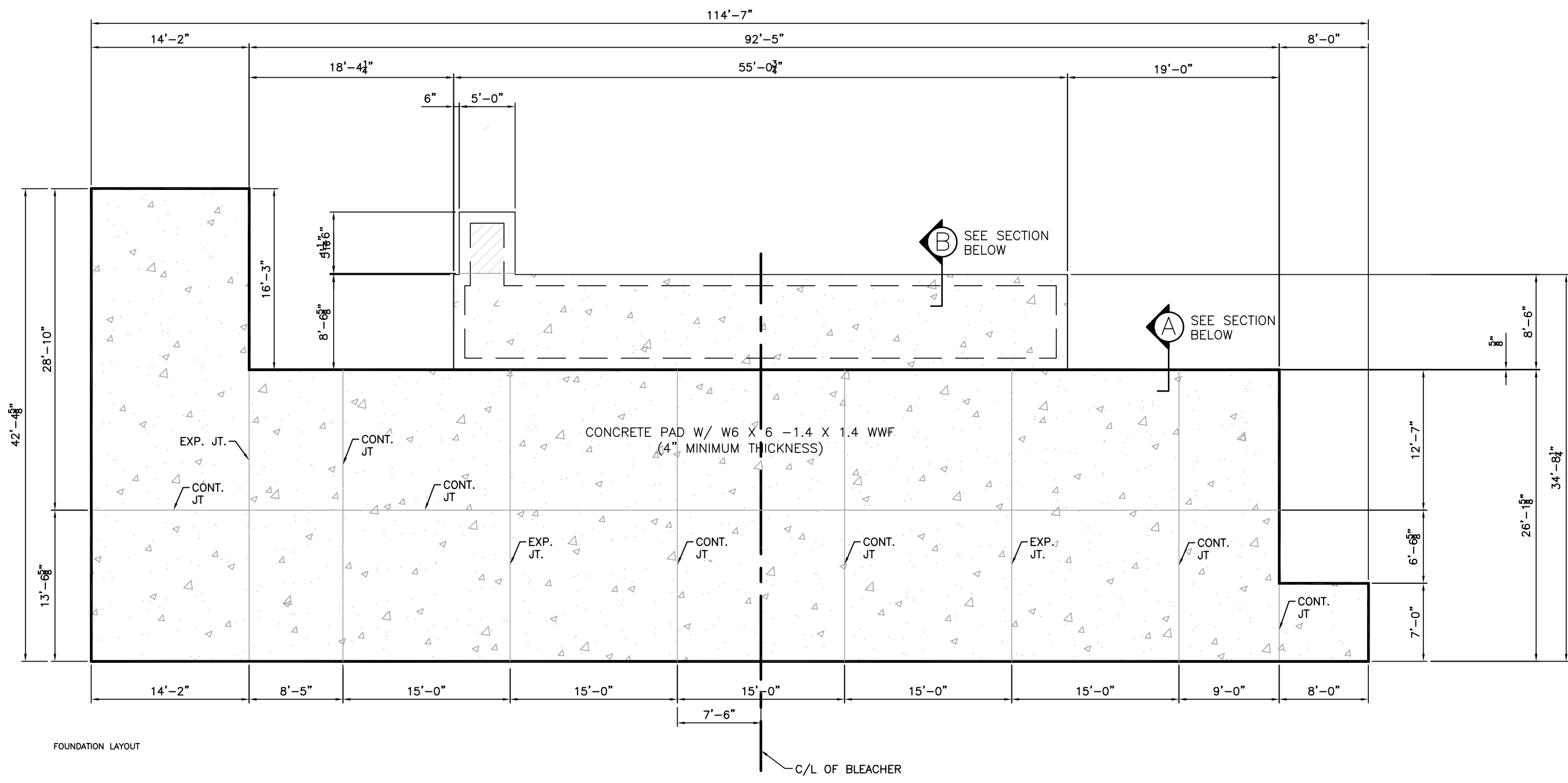
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January 13, 2023

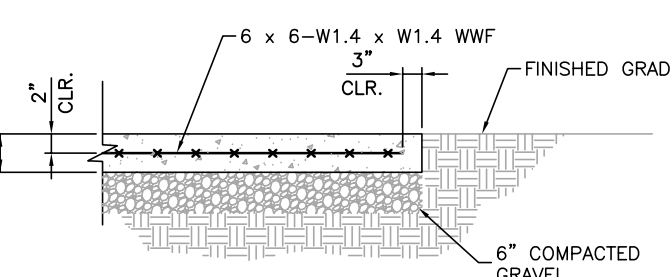
LANDSCAPE DETAILS - 3

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

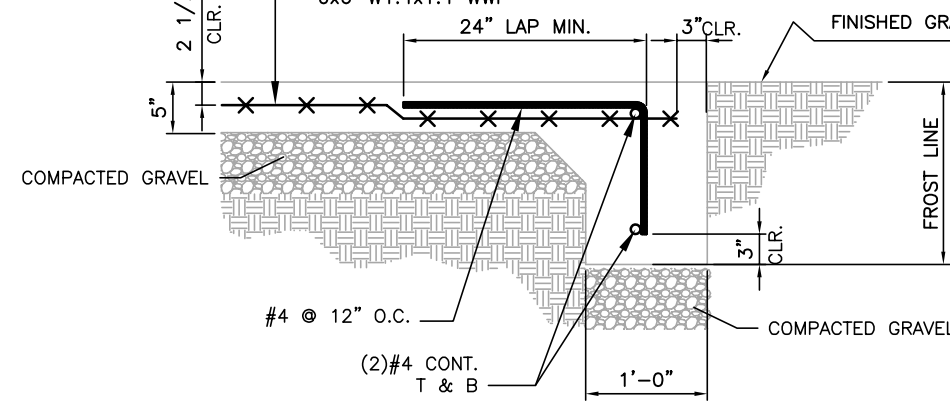
L603



SECTION A: TYPICAL FOUNDATION THROUGH SLAB (N.T.S.)

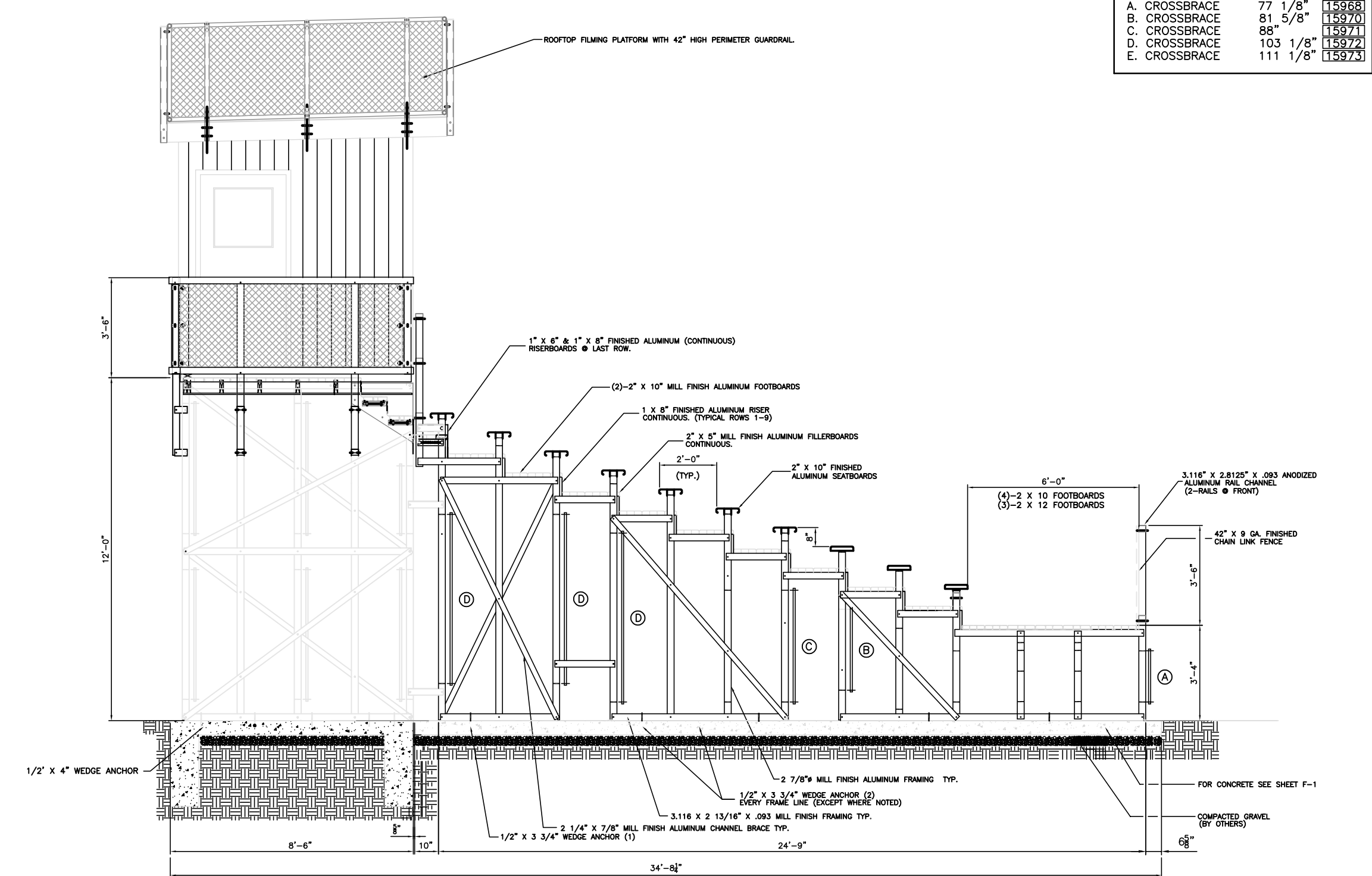


SECTION B: SECTION THROUGH TURN-DOWN (N.T.S.)



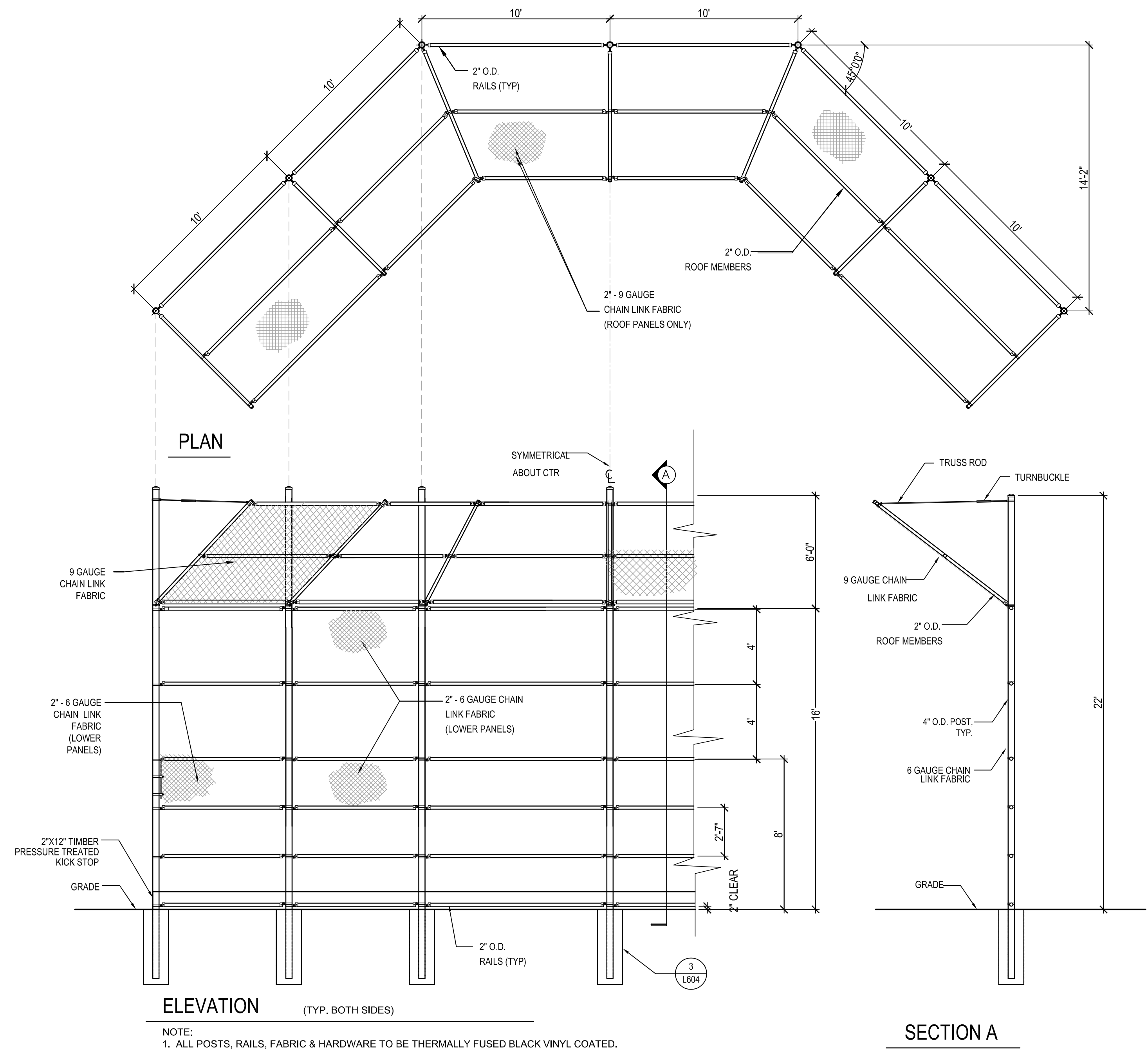
NOTE:
THE LAYOUT SHOWN INDICATES OVERALL MINIMUM DIMENSIONS OF CONCRETE REQUIRED TO SUPPORT PRODUCT PROVIDED BY BANT CLAYTON CORP. THE LAYOUT IDENTIFIES SUGGESTED LOCATIONS OF REINFORCEMENT AND CONTROL JOINTS SUCH THAT THEY DO NOT ALIGN DIRECTLY BELOW FRAME LOCATIONS.
BANT-CLAYTON DOES NOT ASSUME ANY RESPONSIBILITY FOR CONCRETE INSTALLATION PROVIDED BY OTHERS NOT CONTRACTED WITH BANT CLAYTON.
IT IS THE RESPONSIBILITY OF THE CONCRETE INSTALLER, SUB-CONTRACTORS, CONTRACTORS, OR OWNER TO VERIFY AVAILABILITY OF SPACE FOR REQUIRED CLEARANCES AND EXISTING SITE CONDITIONS.
ANY FLAWS IN WORKMANSHIP OR DEFECTS SHALL BE THE RESPONSIBILITY OF THE CONCRETE INSTALLER.

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



CROSSBRACE		
A. CROSSBRACE	77 1/8"	119.850
B. CROSSBRACE	81 1/8"	123.000
C. CROSSBRACE	85"	126.000
D. CROSSBRACE	113 1/8"	155.875
E. CROSSBRACE	111 1/8"	153.125

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



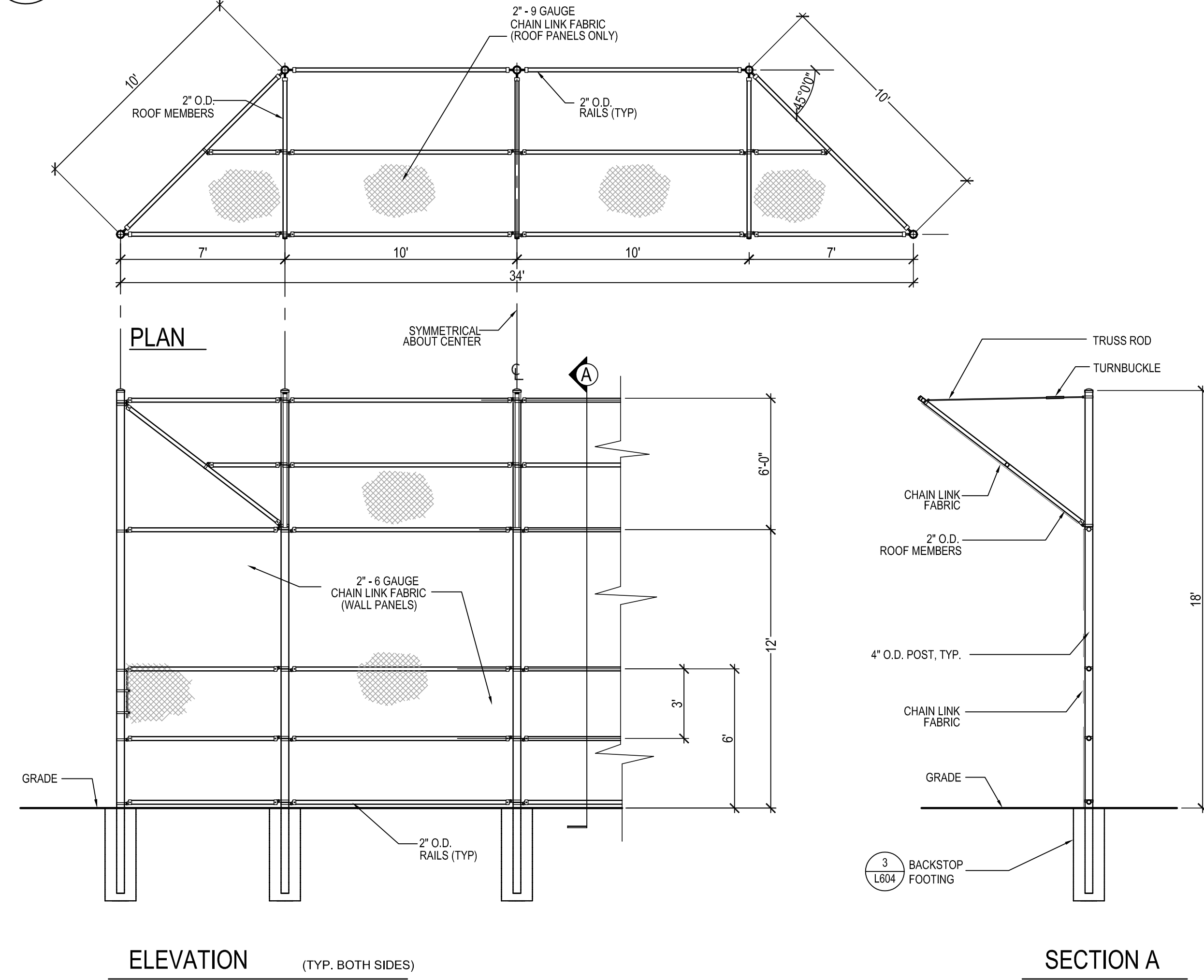
PLAN

ELEVATION (TYP. BOTH SIDES)

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

SECTION A

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



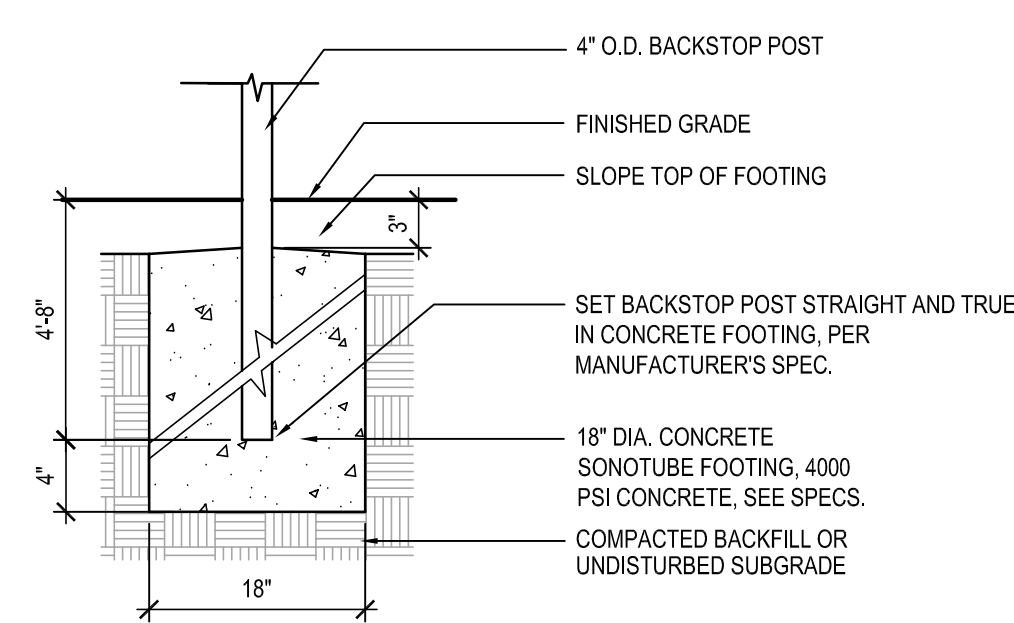
PLAN

ELEVATION (TYP. BOTH SIDES)

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

SECTION A

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



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

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LANDSCAPE
DETAILS - 4

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM
Date: January 13, 2023

L604

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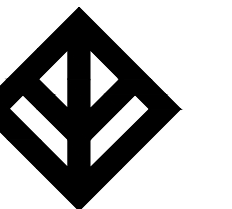
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Waltham, MA
02453

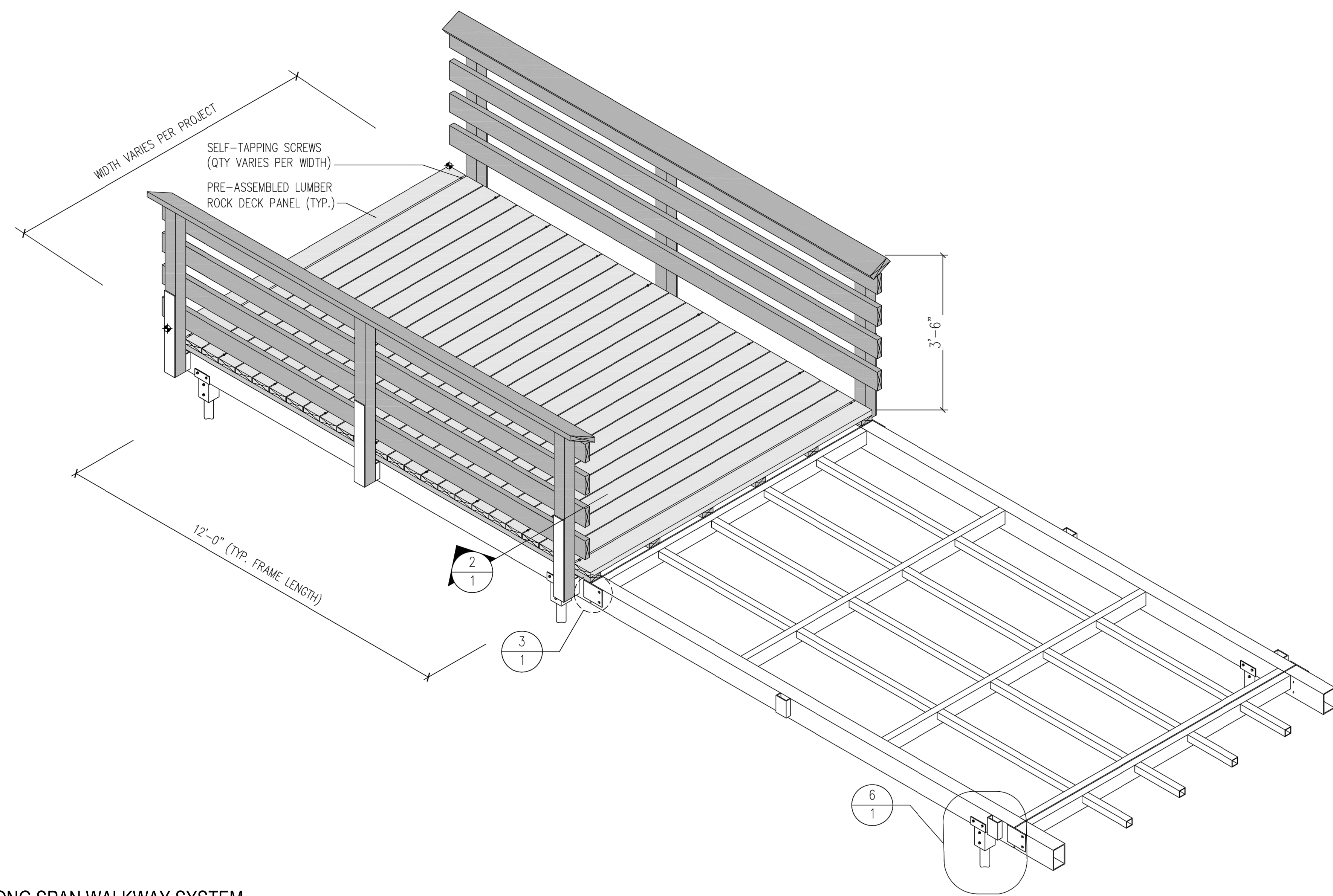
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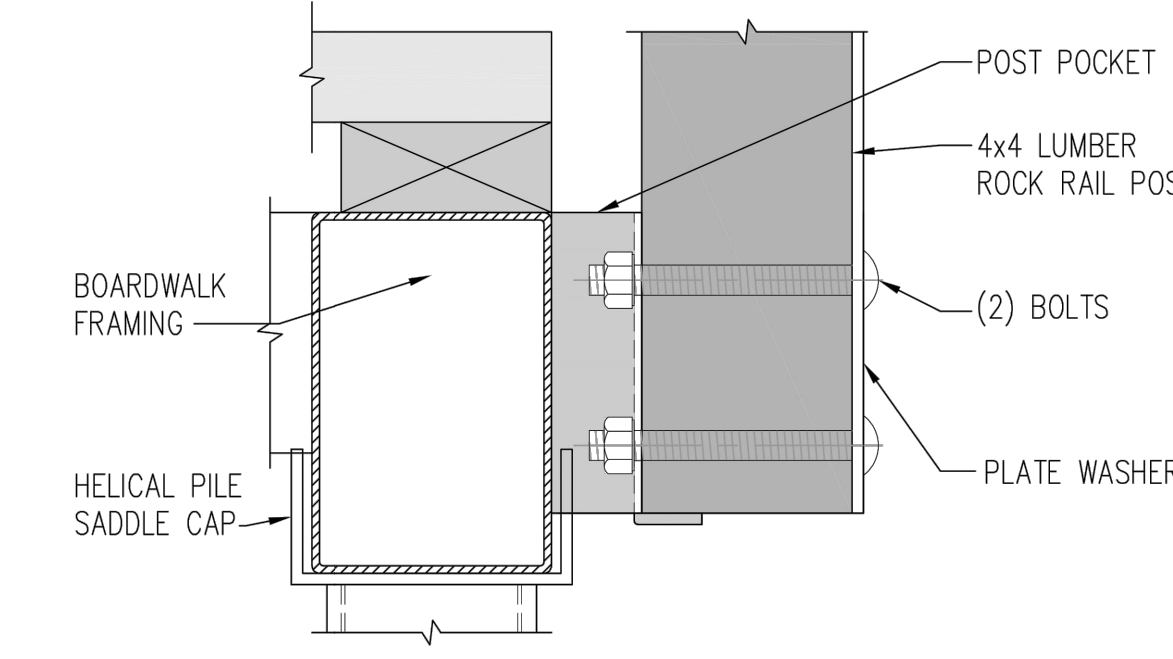
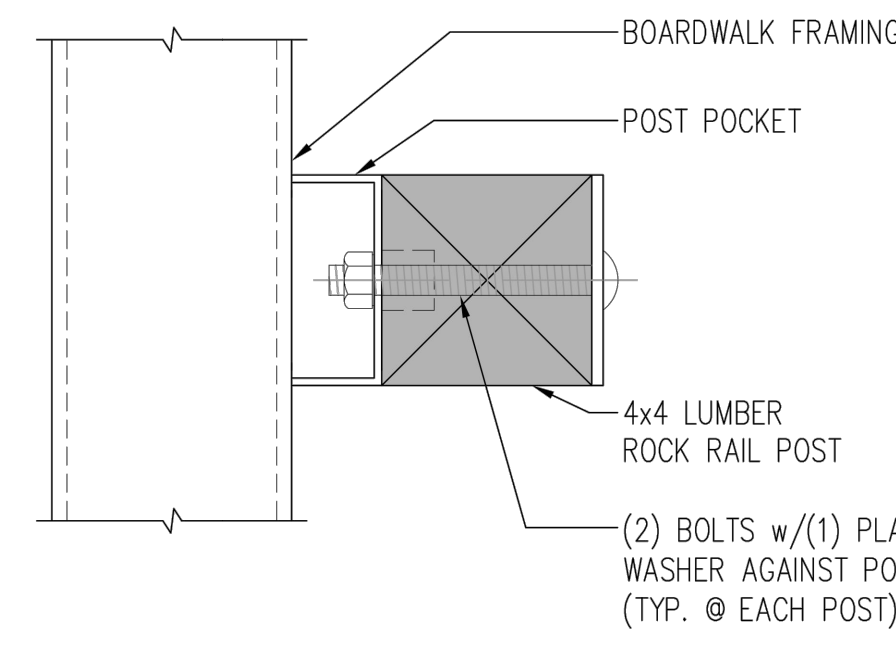
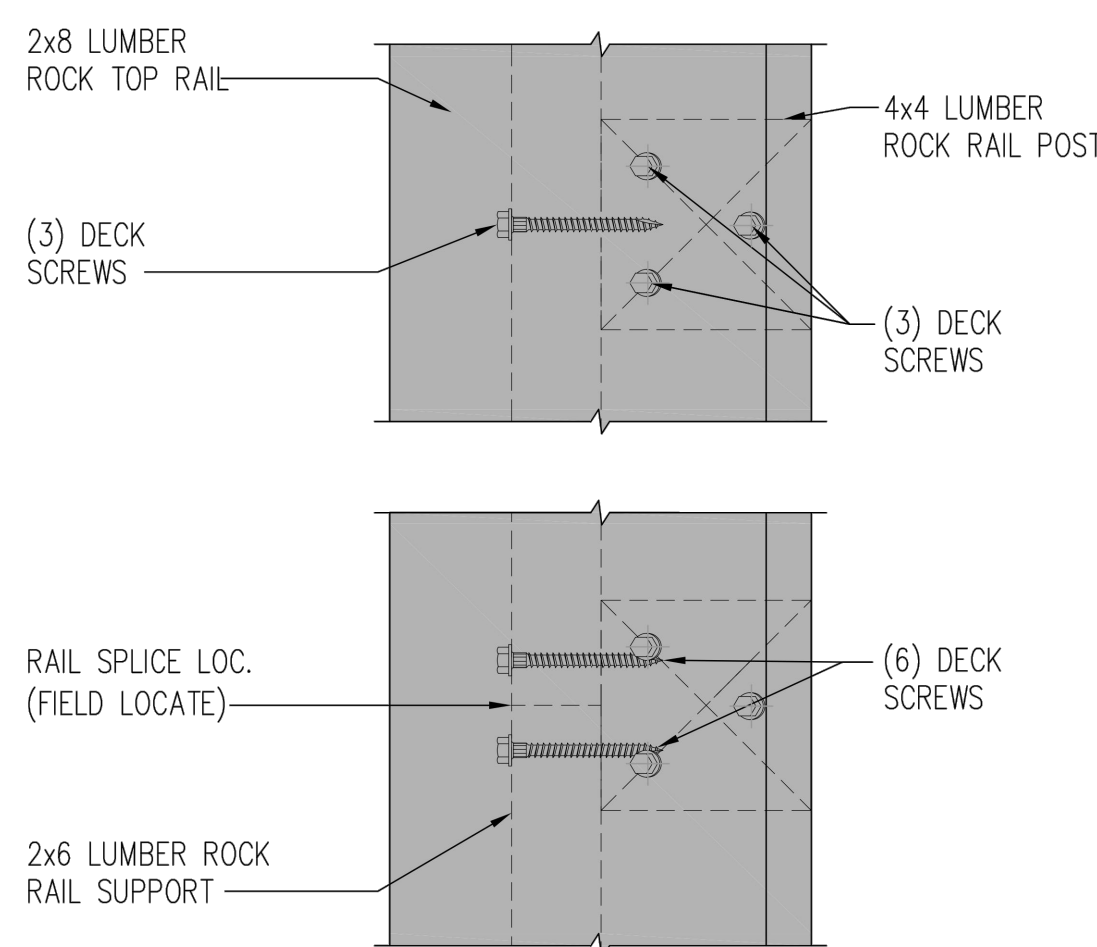


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5 LONG SPAN WALKWAY SYSTEM

SCALE: NTS



6 SECTION AT 4 X 4 RAIL POST

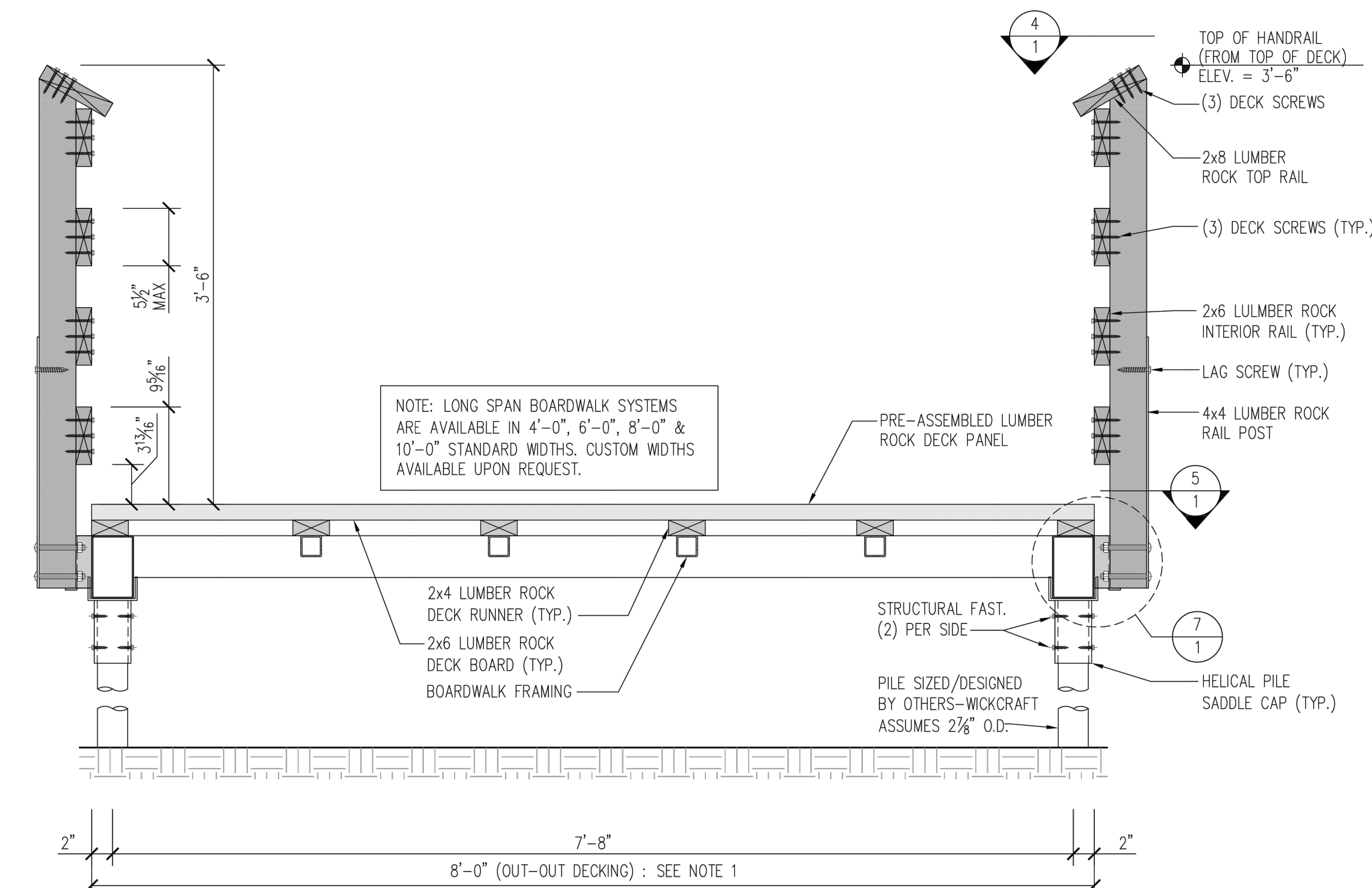
SCALE: NTS

7 SECTION AT 4 X 4 RAIL POST (2)

SCALE: NTS

8 SECTION AT 4 X 4 RAIL POST (3)

SCALE: NTS

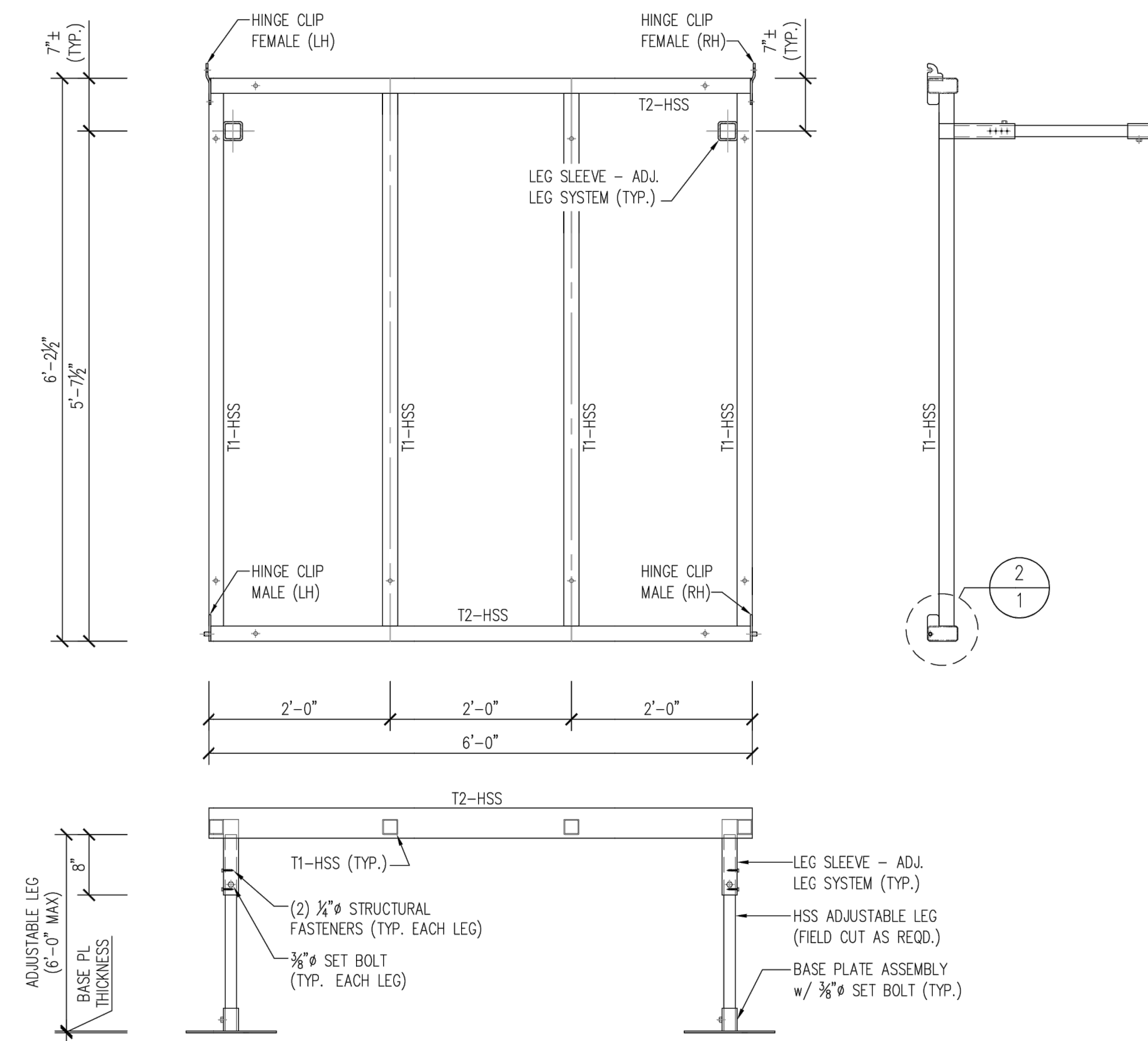


12 WALKWAY SECTION

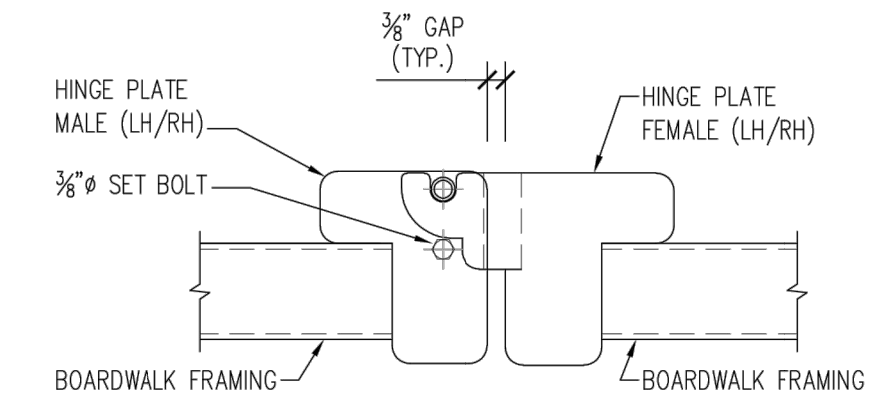
SCALE: NTS

1 BOARDWALK FRAMING

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

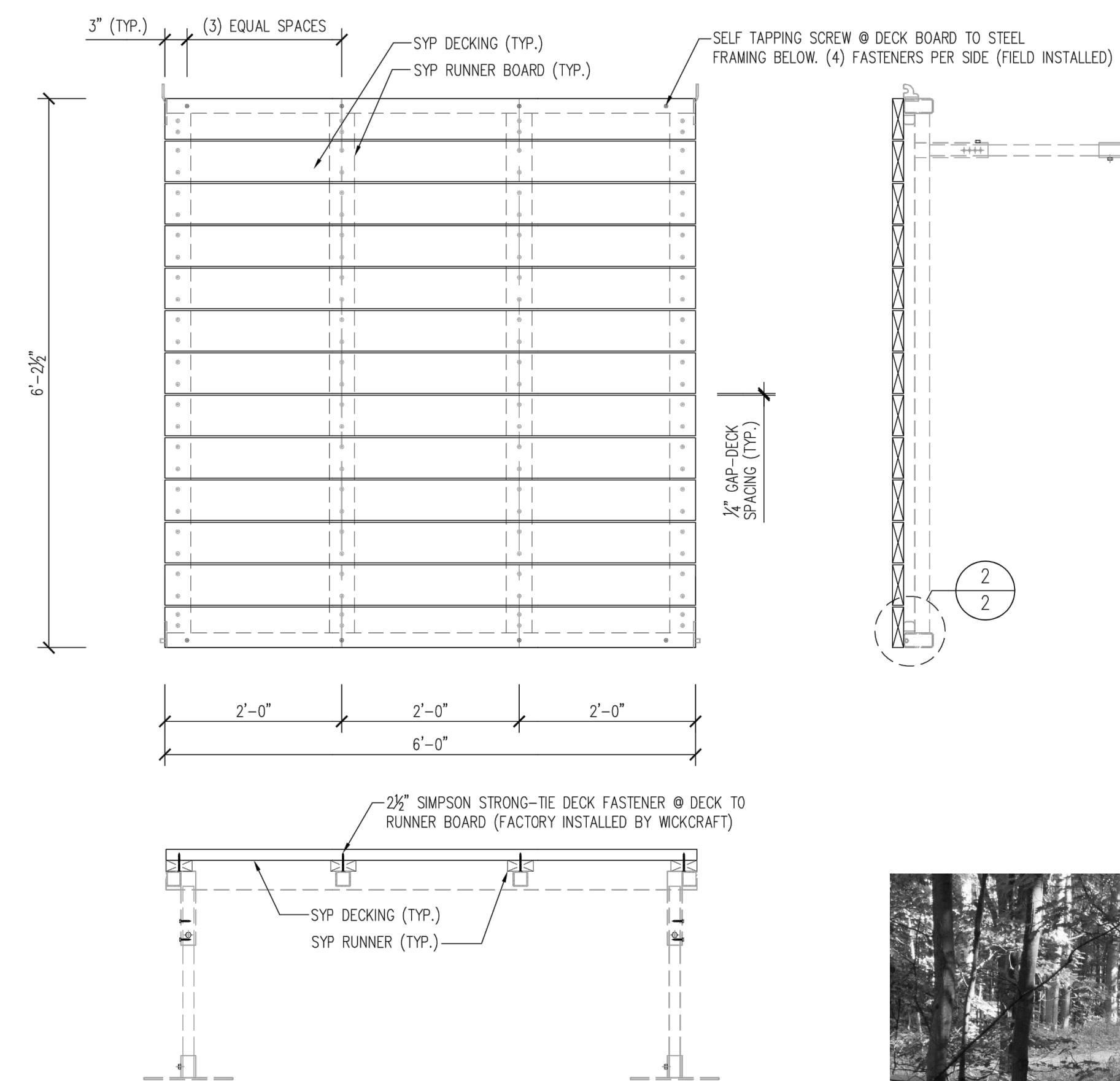


- TYPICAL FRAMING NOTES:**
1. LONGITUDINAL AND LATERAL DIAGONAL LEG BRACING IS REQUIRED WHEN ELEVATION AT THE TOP OF THE BOARDWALK DECKING EXCEED 3'-0" (36") ABOVE FINISHED GRADE.
 2. FINAL BOARDWALK FRAMING SIZES (HSS / PLATE) & WELD SIZES ARE TO BE DETERMINED BY WICKCRAFT.
 3. BOARDWALK HAS BEEN DESIGNED TO SUPPORT A LIVE LOAD OF 100 PSF. NO ADDITIONAL/SEPARATE LOADING HAS BEEN INCLUDED FOR SNOW.
 4. MAXIMUM LIVE LOAD DEFLECTION CRITERIA: L/360.

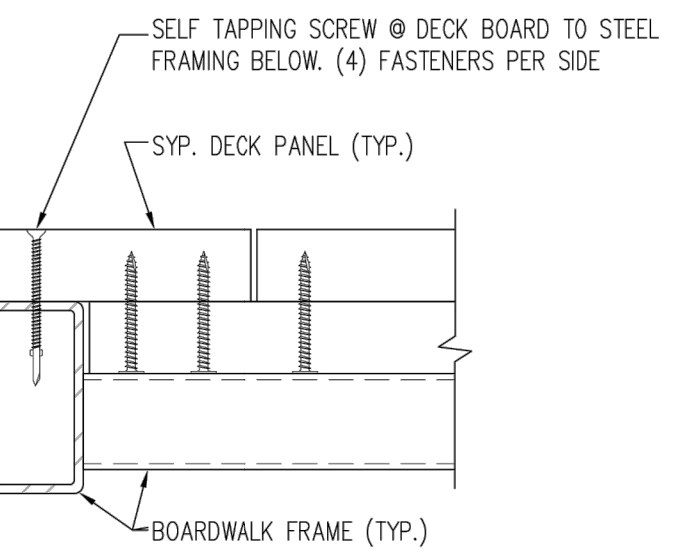


2 BOARDWALK DECKING

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

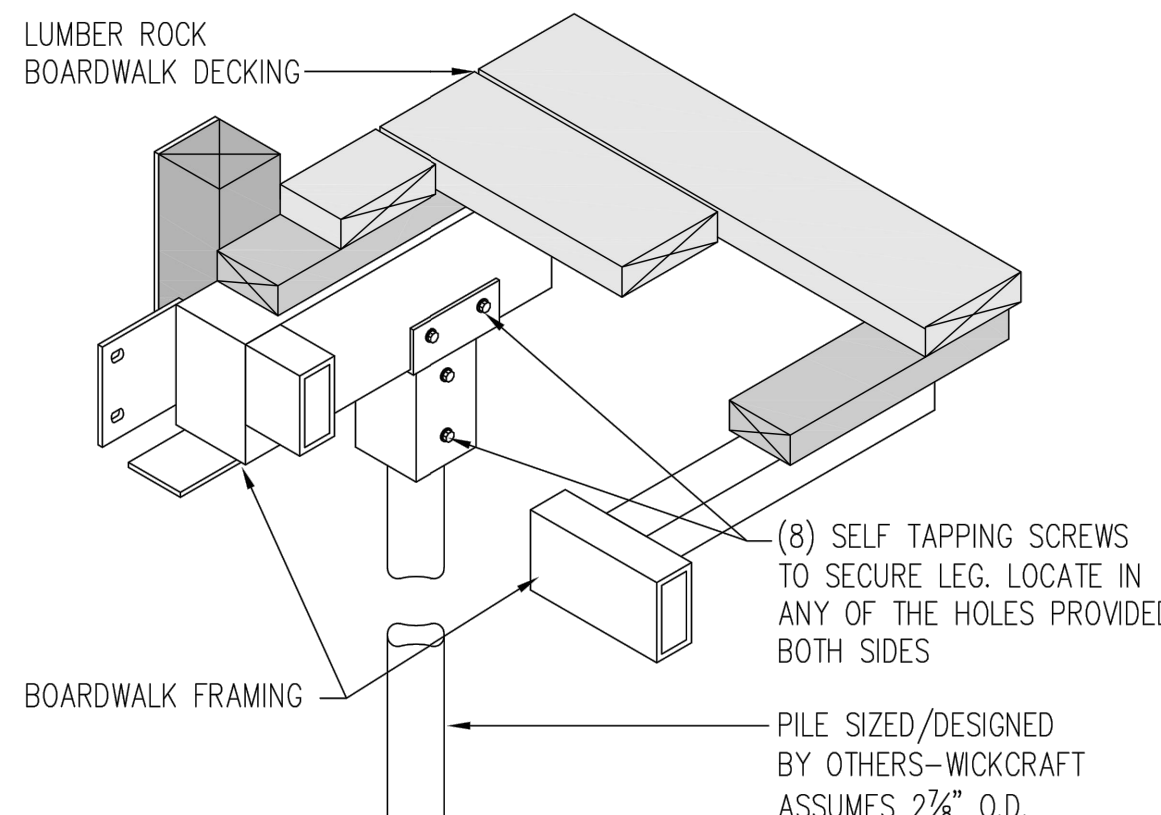


- TYPICAL FRAMING NOTES:**
1. LONGITUDINAL AND LATERAL DIAGONAL LEG BRACING IS REQUIRED WHEN ELEVATION AT THE TOP OF THE BOARDWALK DECKING EXCEED 3'-0" (36") ABOVE FINISHED GRADE.
 2. FINAL BOARDWALK FRAMING SIZES (HSS / PLATE) & WELD SIZES ARE TO BE DETERMINED BY WICKCRAFT.
 3. BOARDWALK HAS BEEN DESIGNED TO SUPPORT A LIVE LOAD OF 100 PSF. NO ADDITIONAL/SEPARATE LOADING HAS BEEN INCLUDED FOR SNOW.
 4. MAXIMUM LIVE LOAD DEFLECTION CRITERIA: L/360.



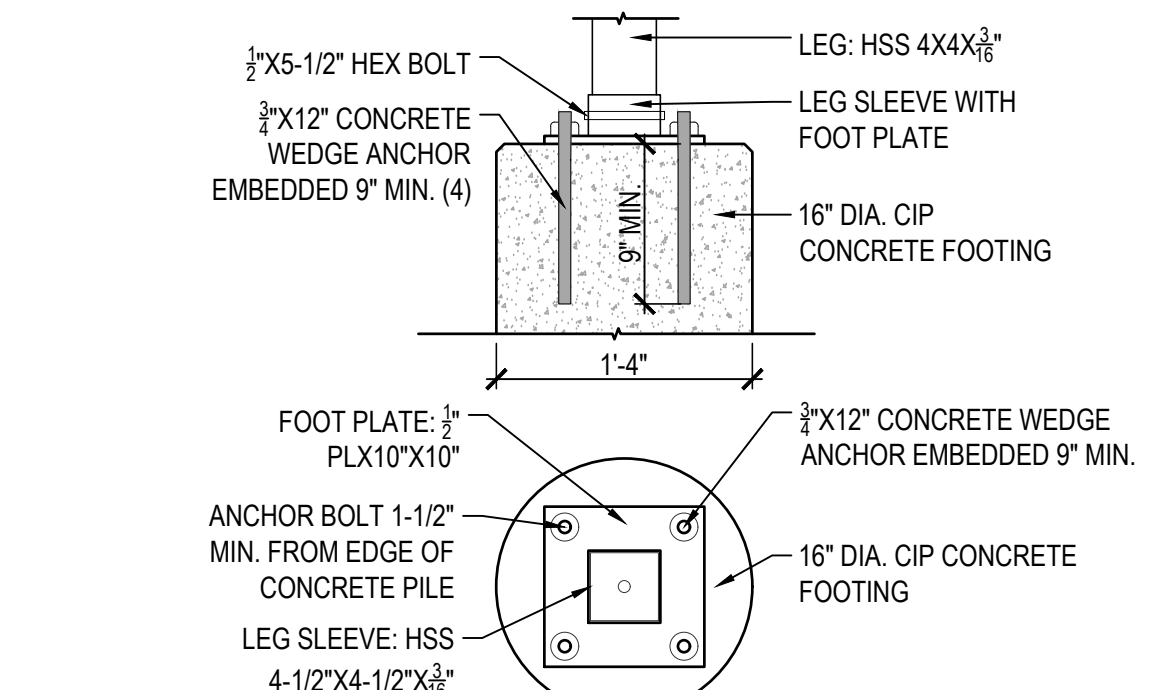
9 FRAME TO FRAME CONNECTION

SCALE: NTS



10 LONG SPAN SADDLE CAP

SCALE: NTS

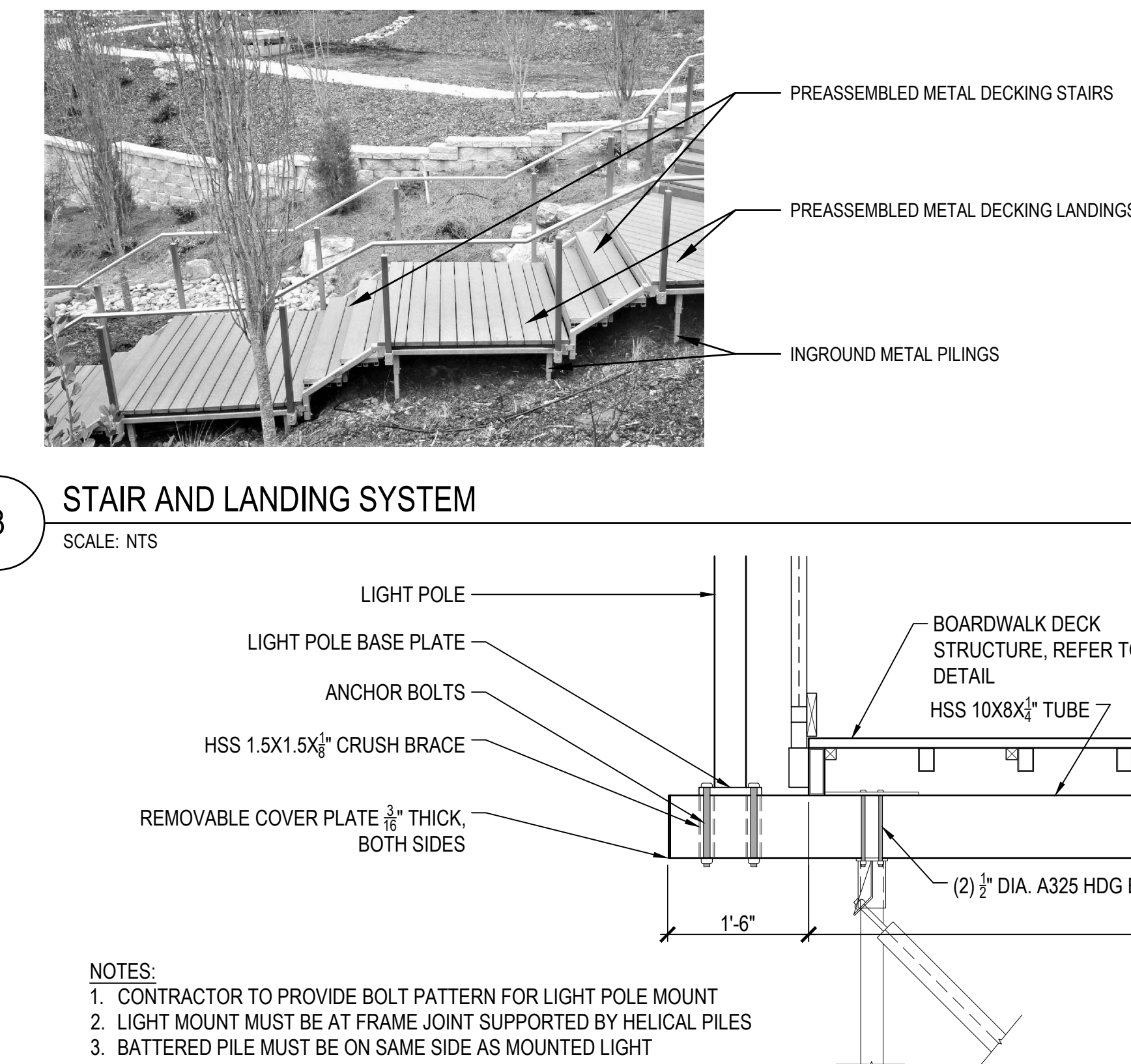


11 BOARDWALK FOOTING

SCALE: 1" = 1'-0"

3 STAIR AND LANDING SYSTEM

SCALE: NTS



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

4 LIGHT MOUNT AT BOARDWALK

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

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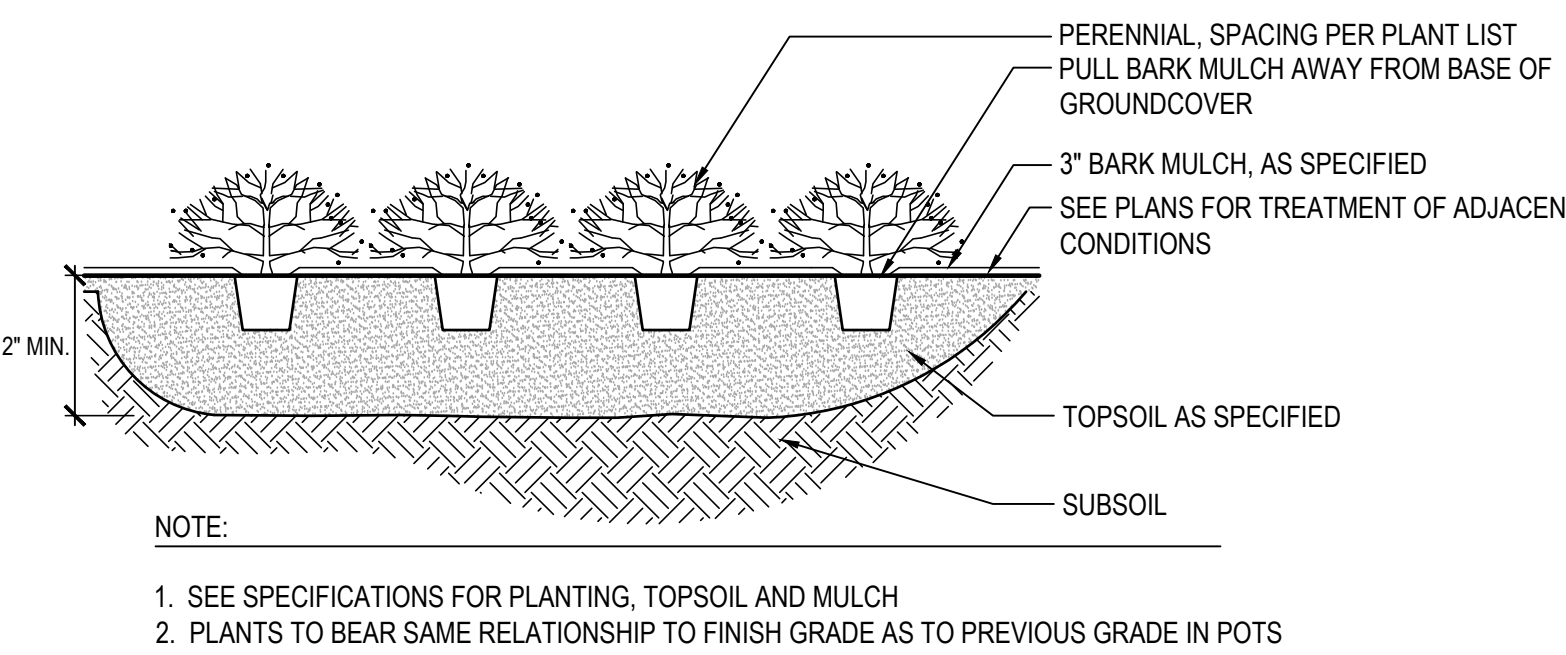
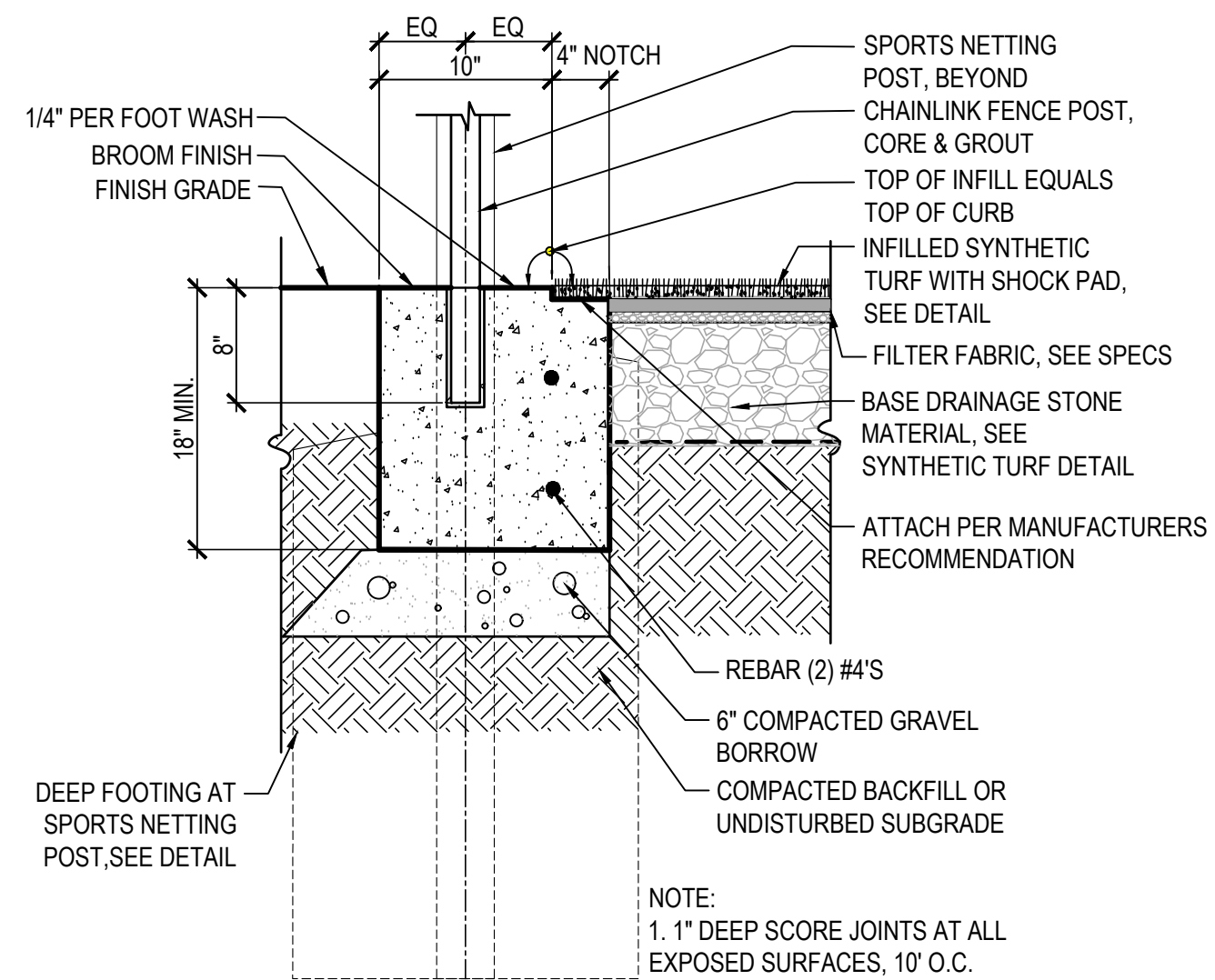
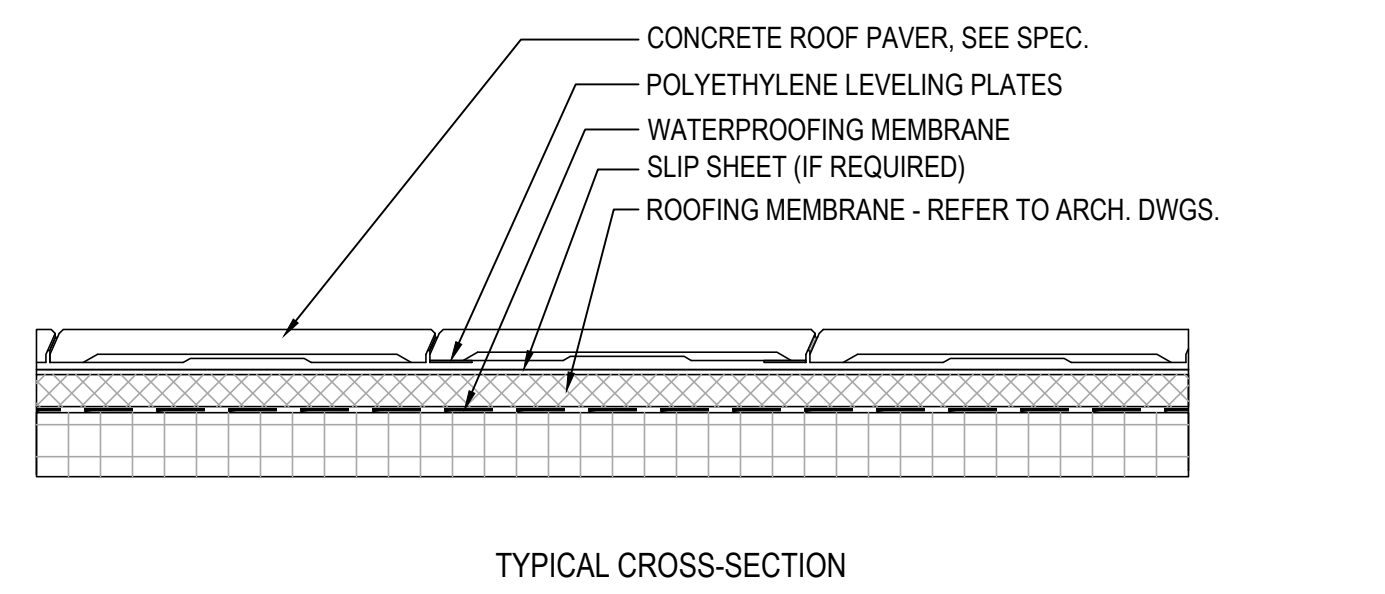
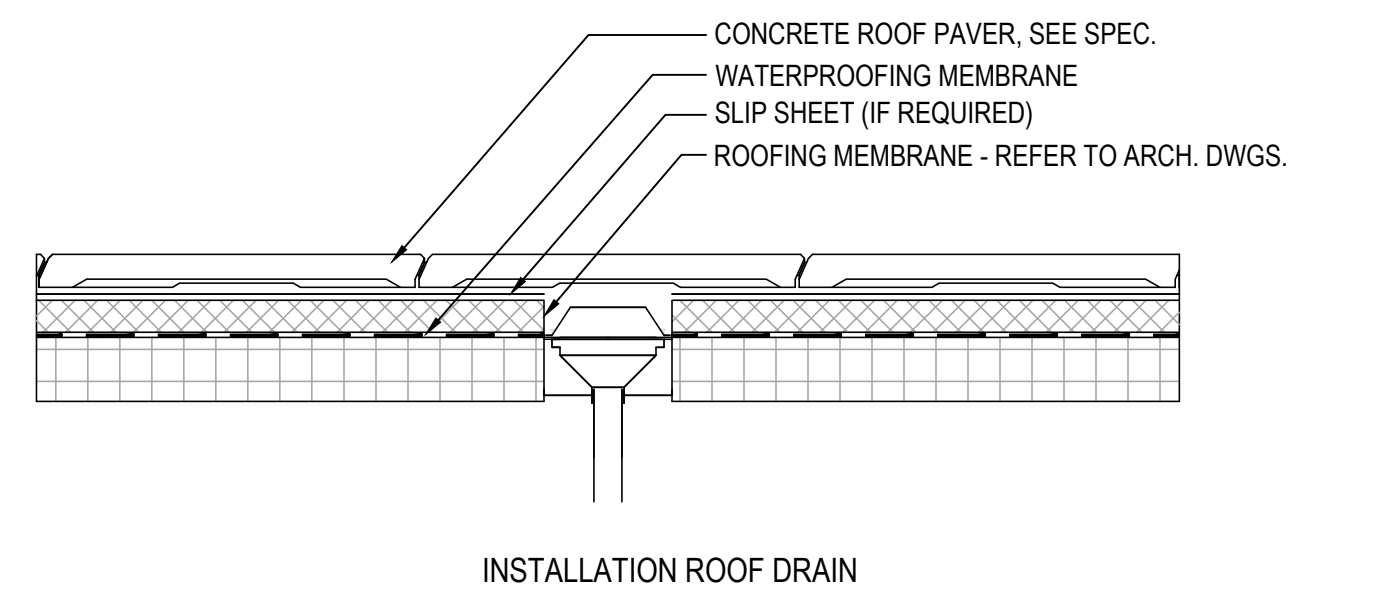
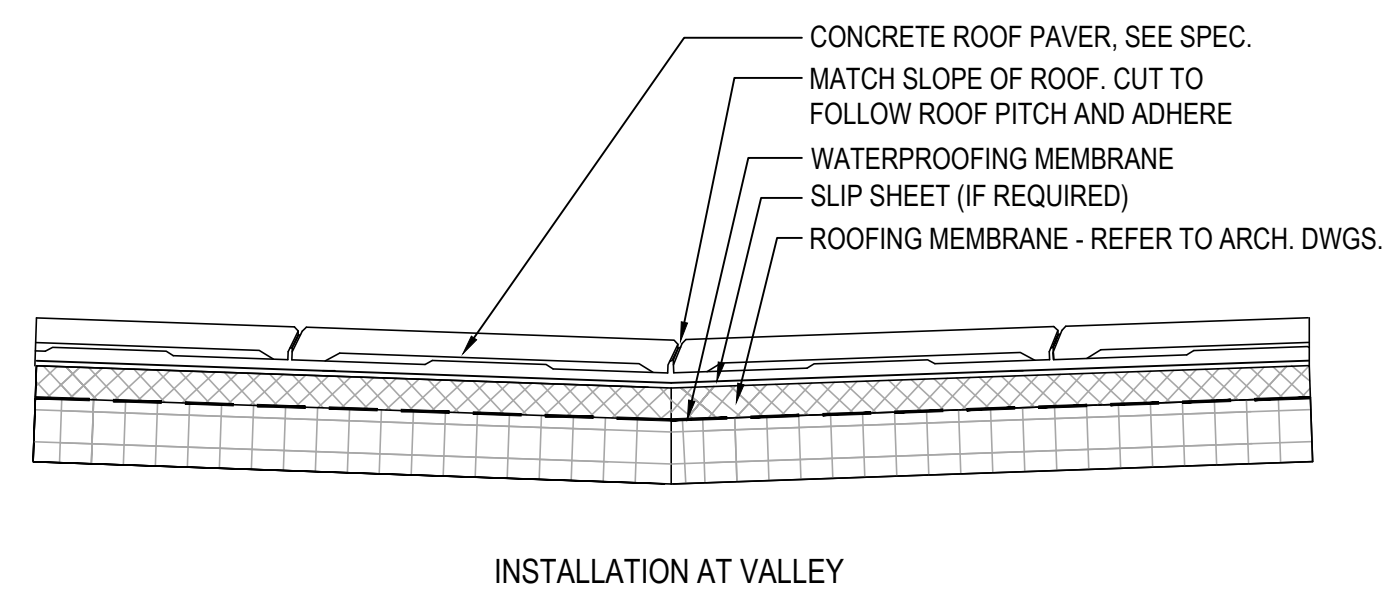
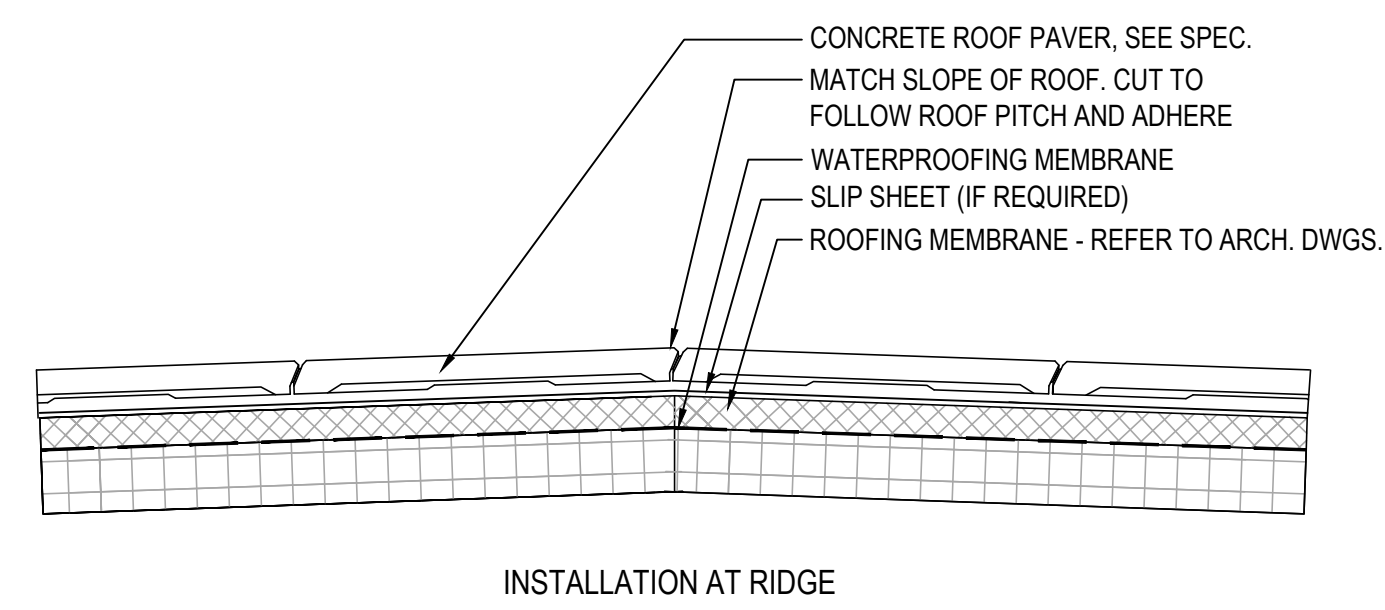
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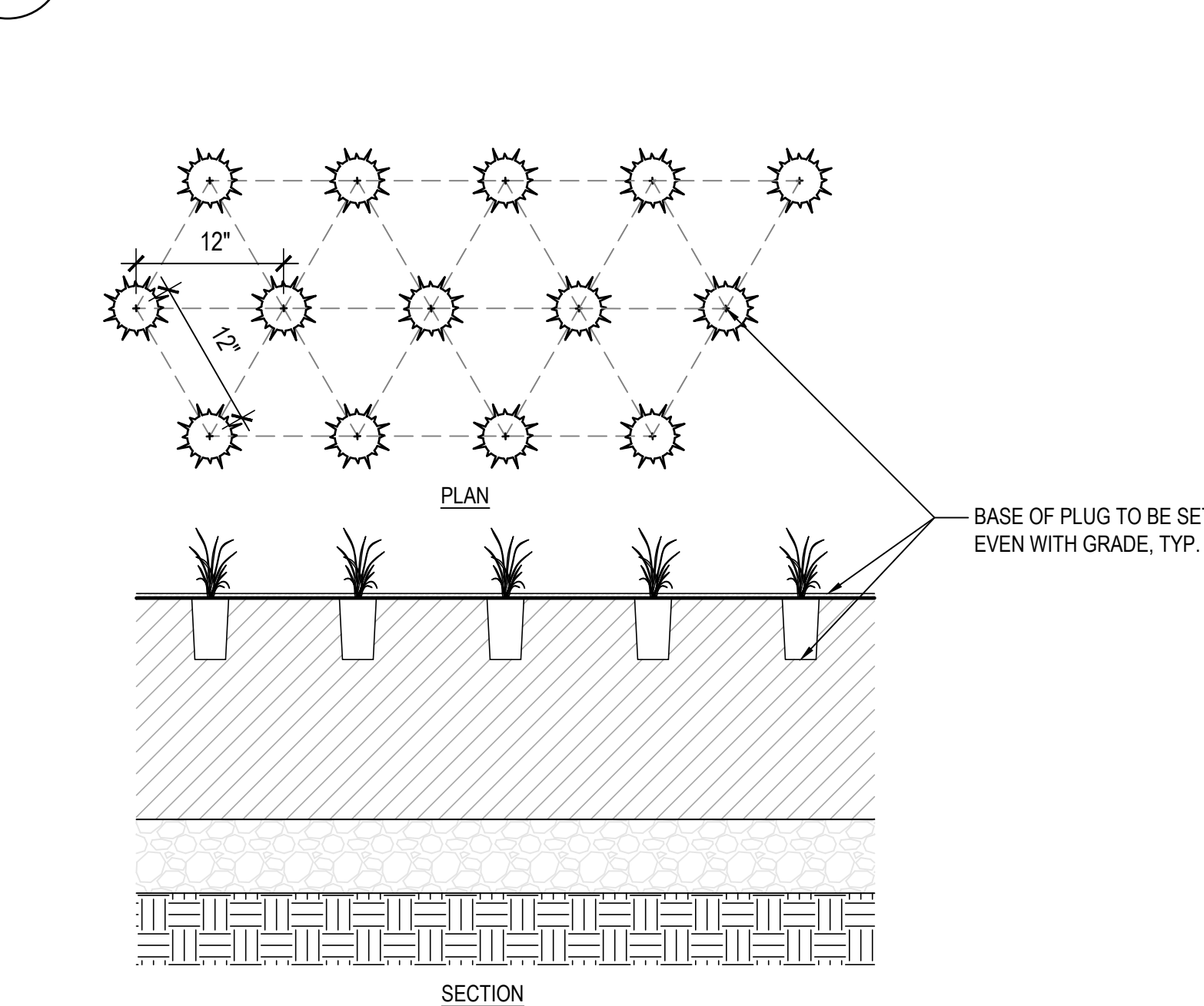
LANDSCAPE DETAILS - 5

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM
Date: January 14, 2023

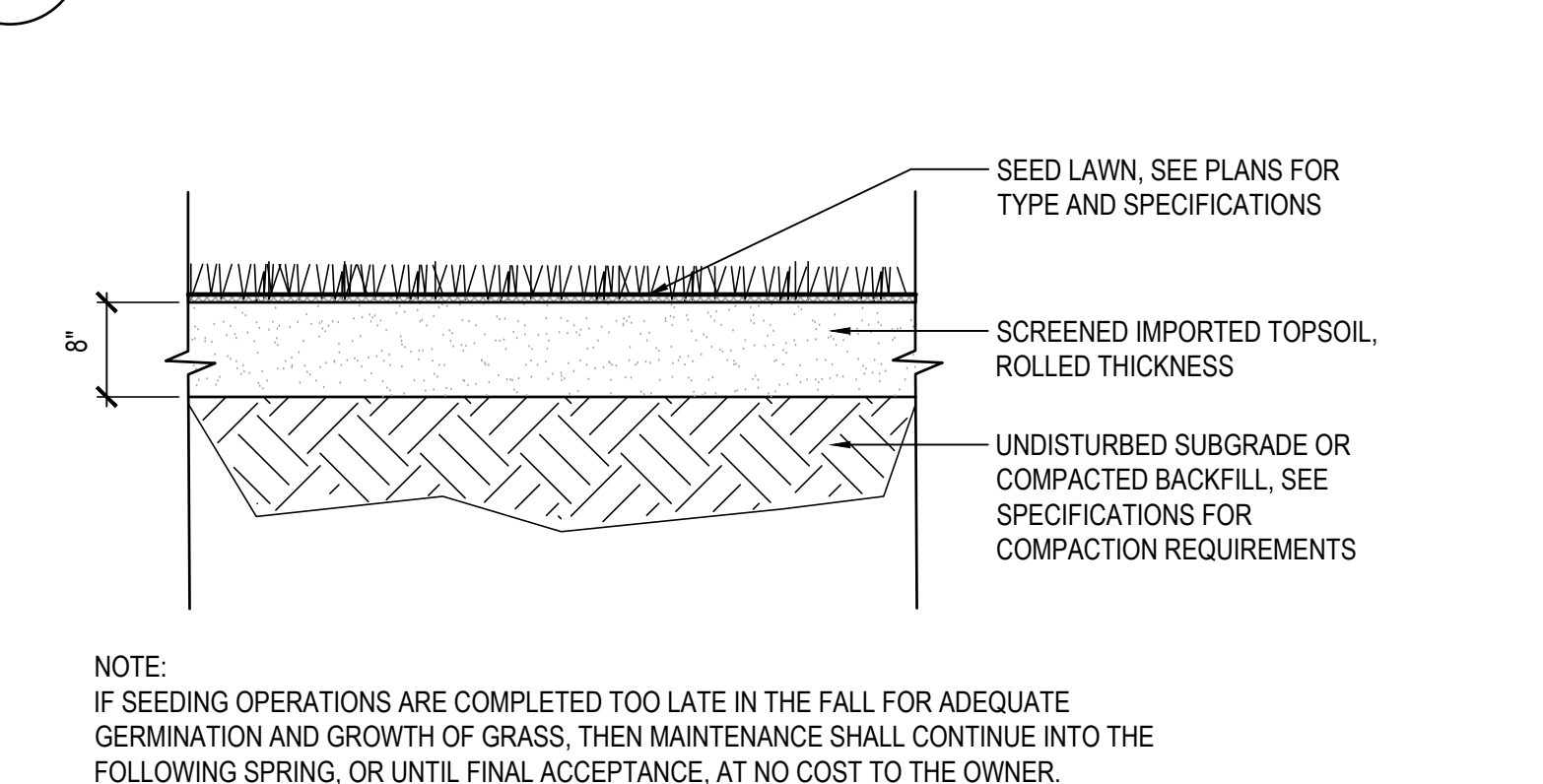
L605



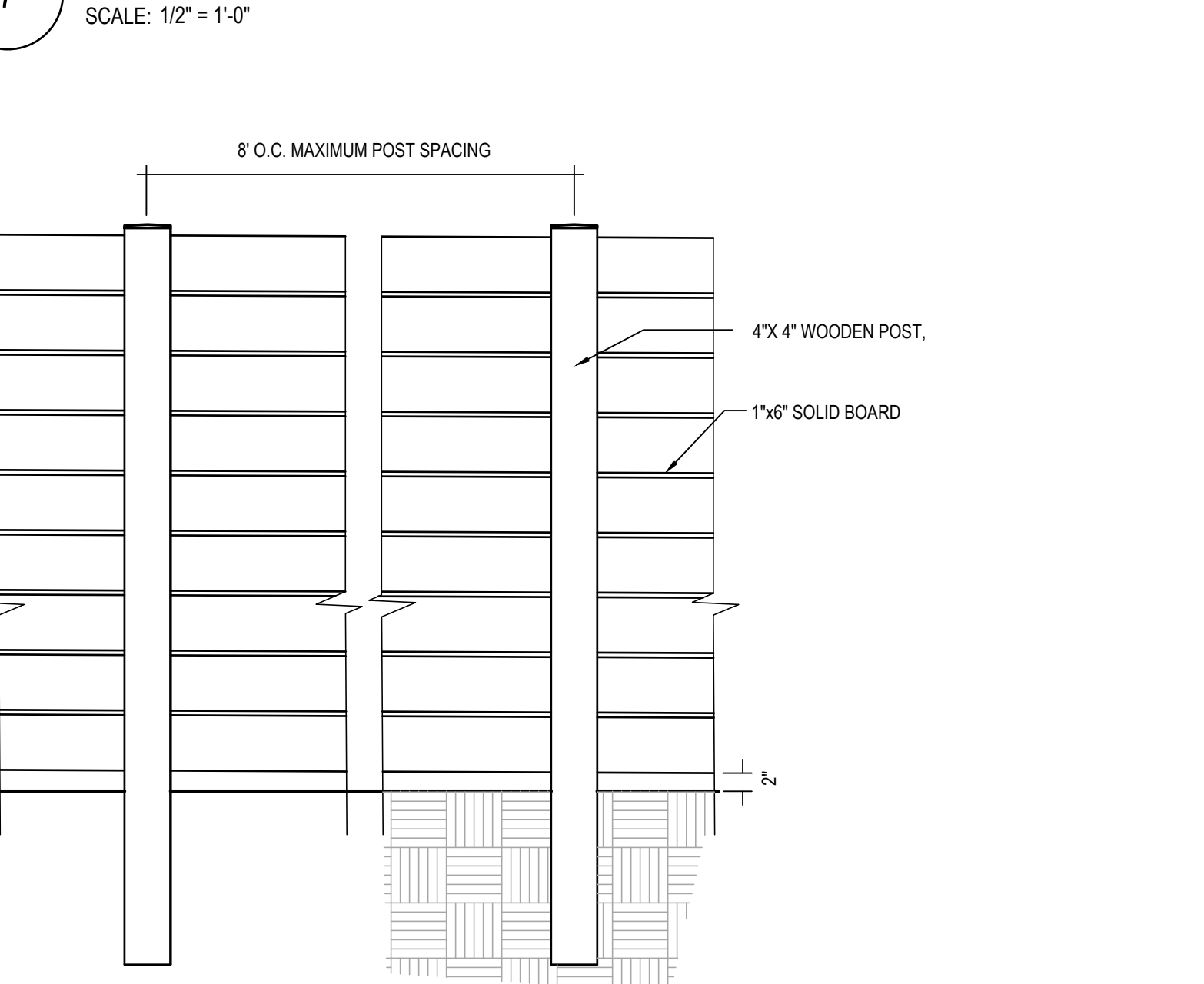
5 PERENNIALS AND GRASSES AND GROUND COVER PLANTING



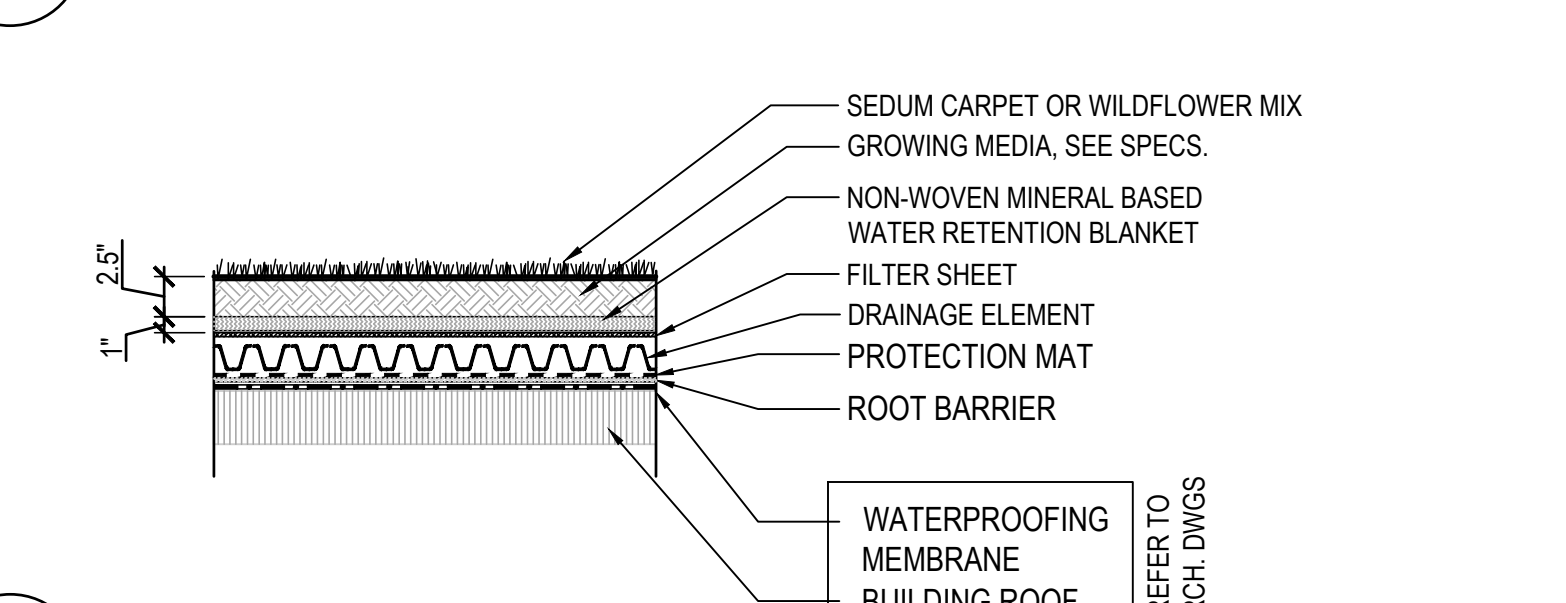
6 PLUG PLANTING



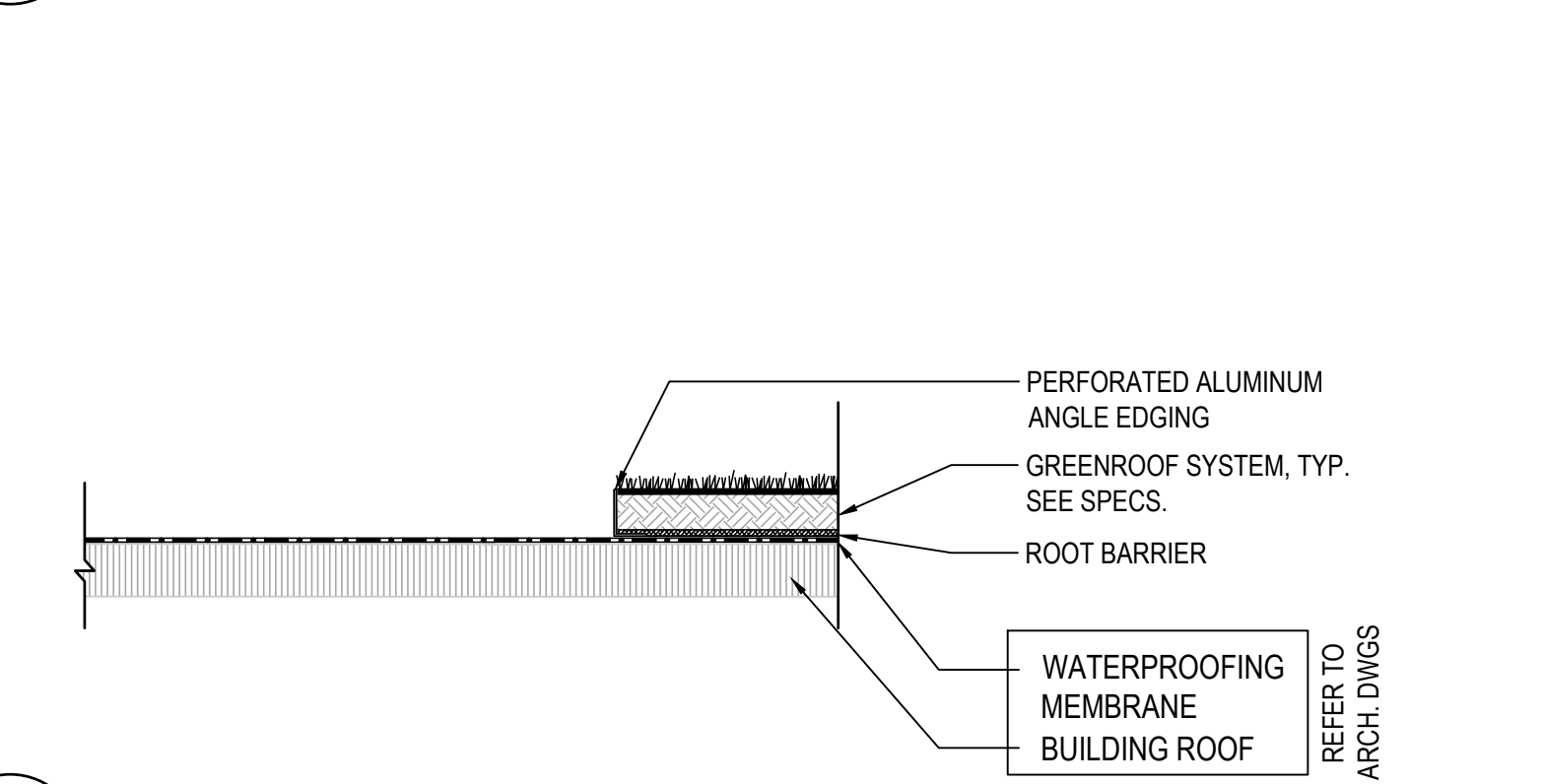
7 SEEDING LAWN



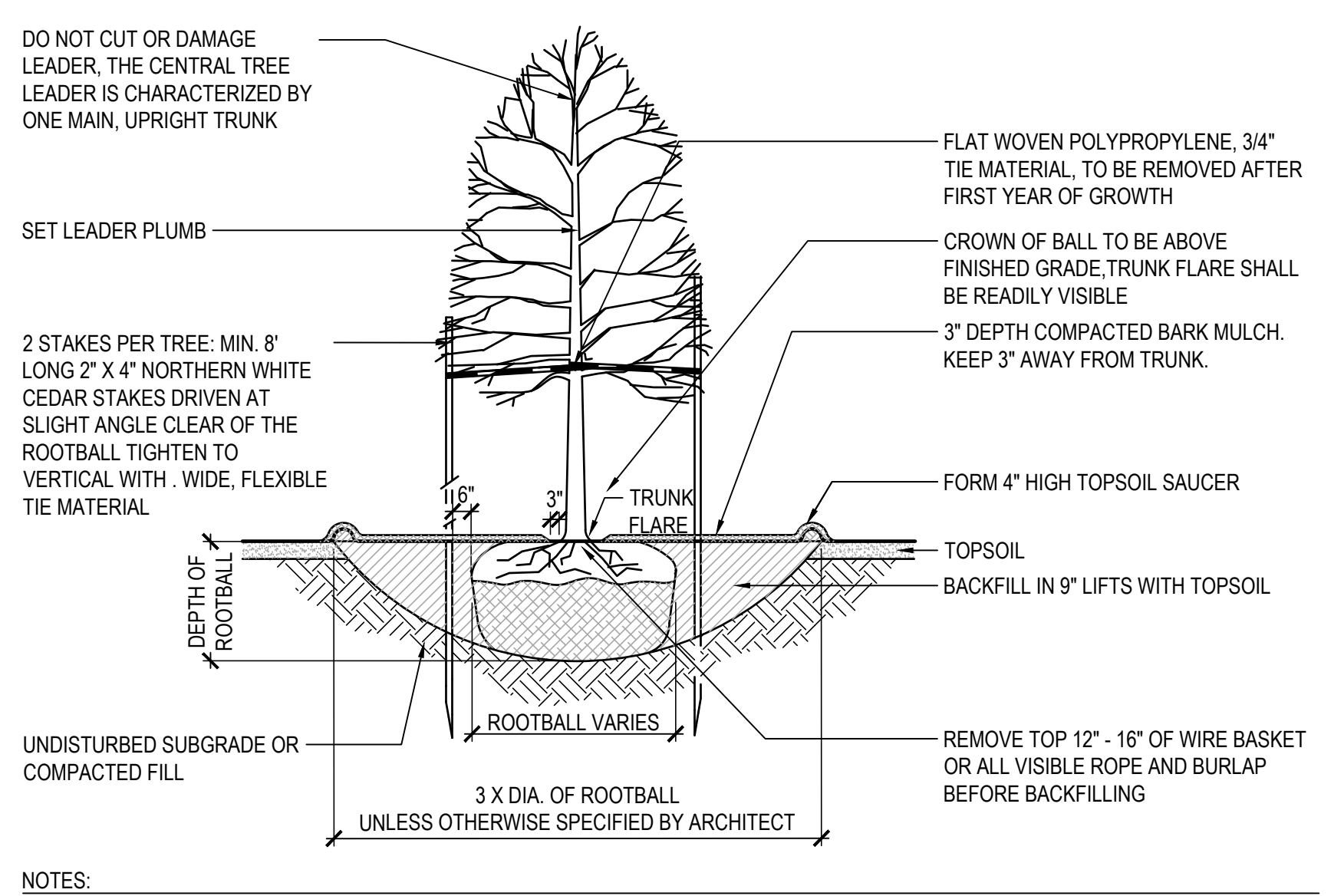
8 WOOD SLAT FENCE



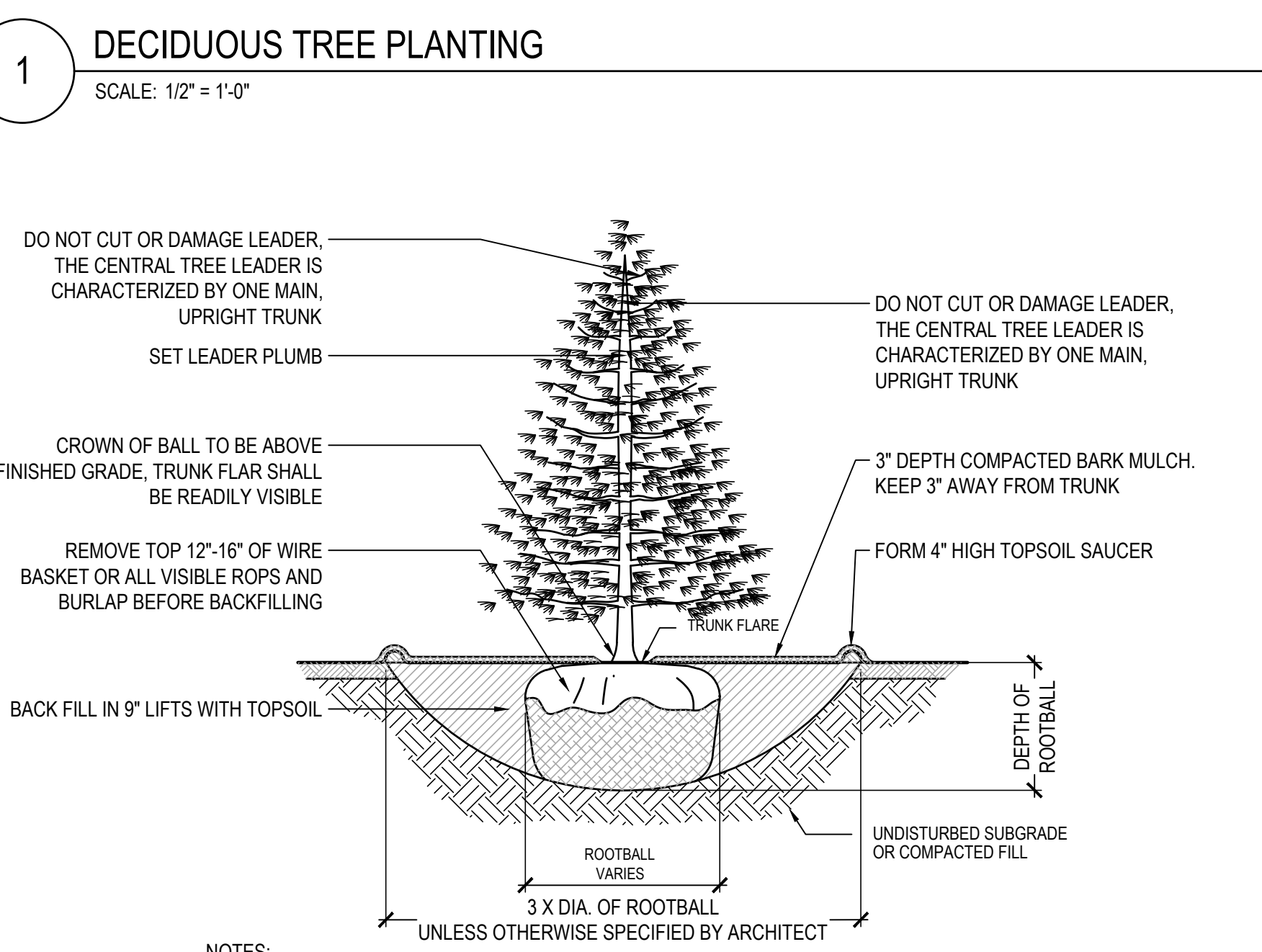
9 EXTENSIVE GREEN ROOF



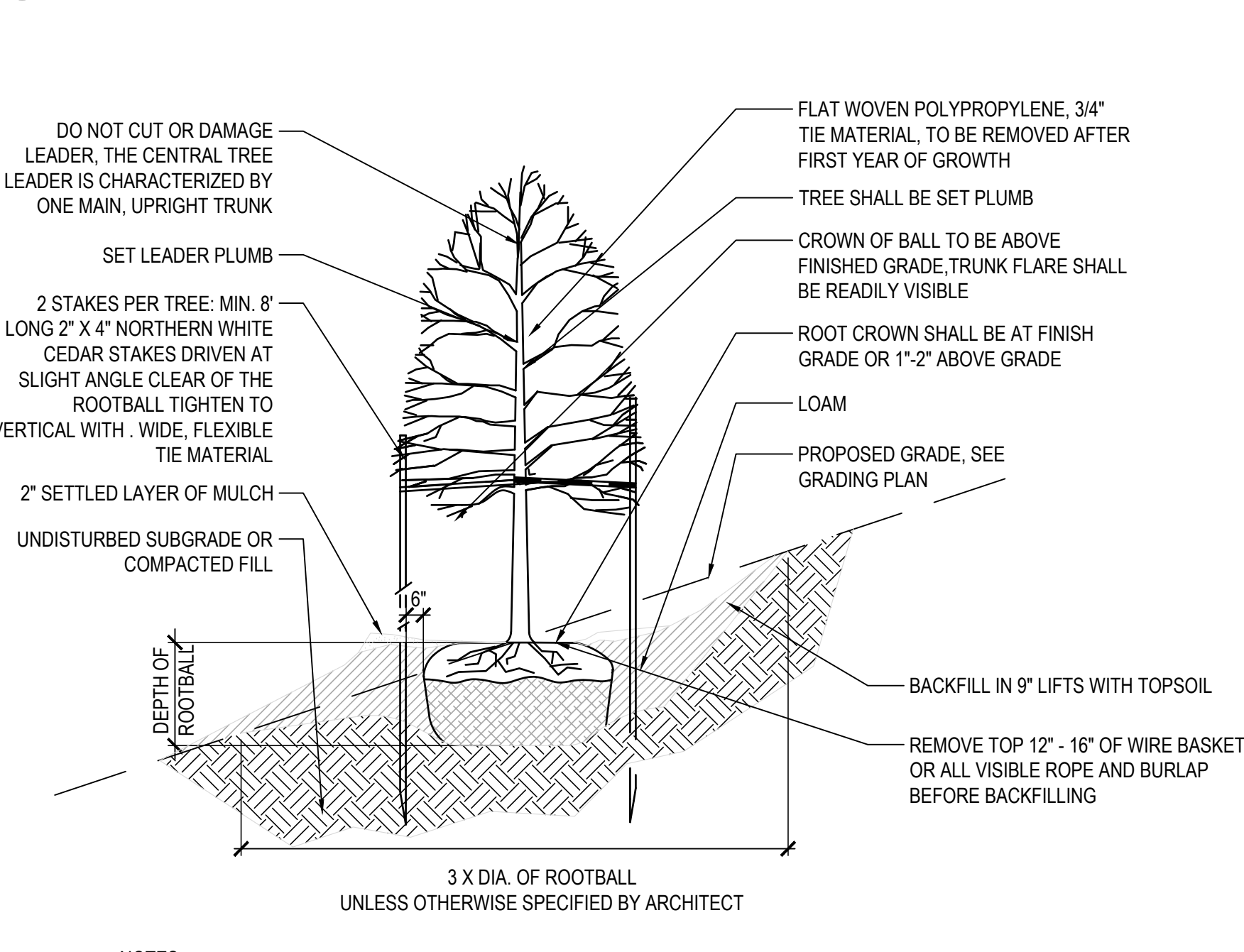
10 GREEN ROOF PLANTER EDGER



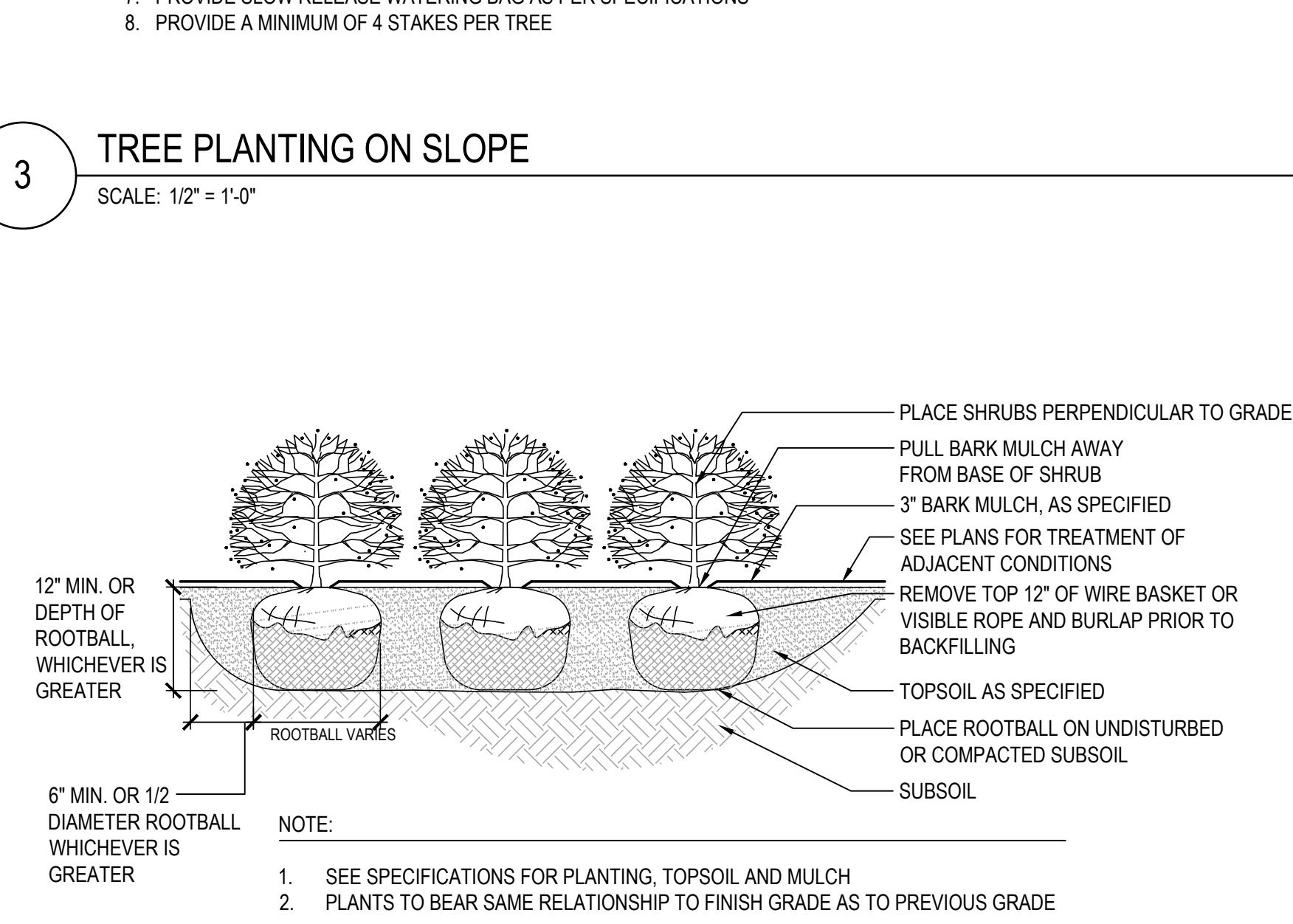
1 DECIDUOUS TREE PLANTING



2 EVERGREEN TREE PLANTING

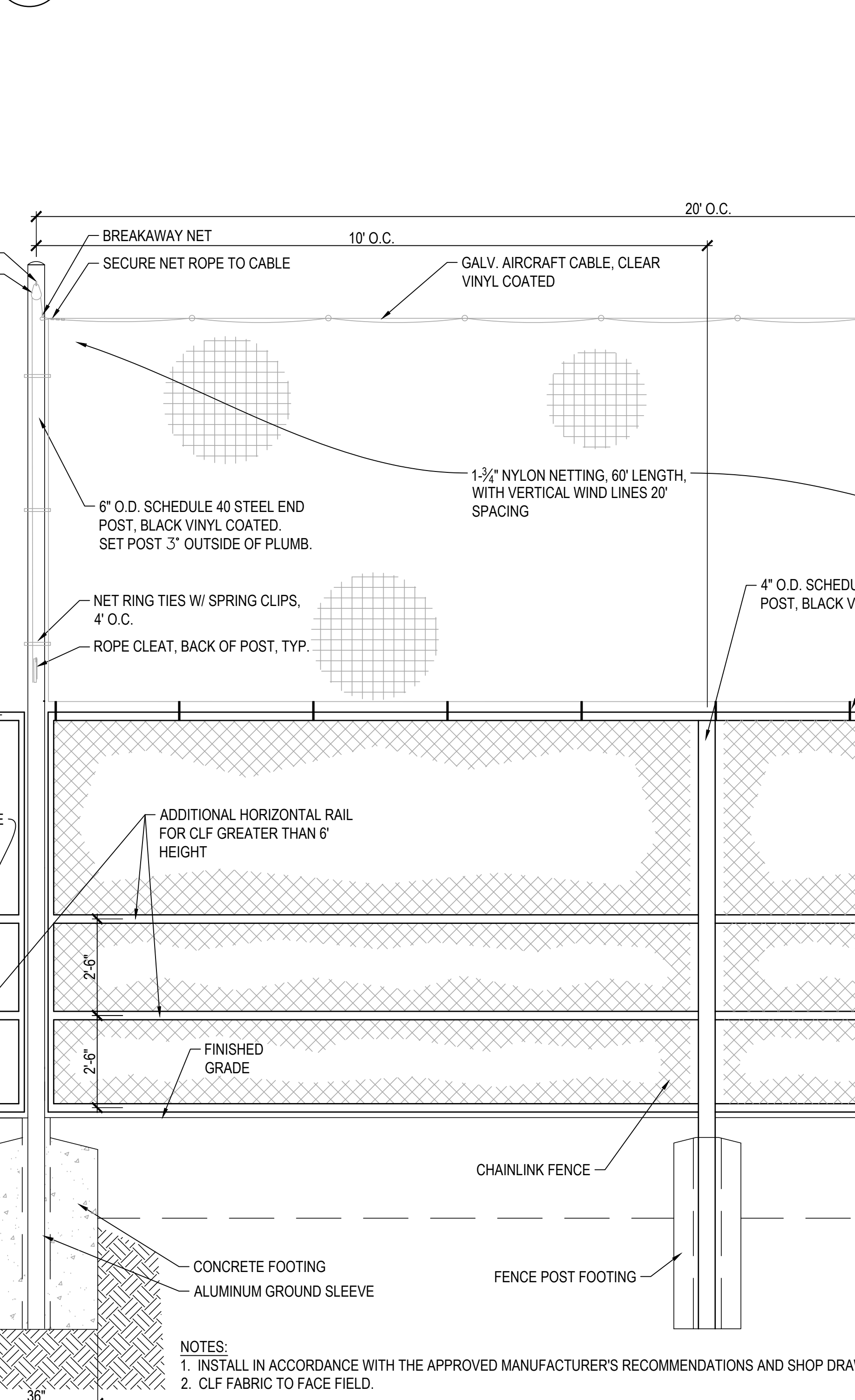


3 TREE PLANTING ON SLOPE

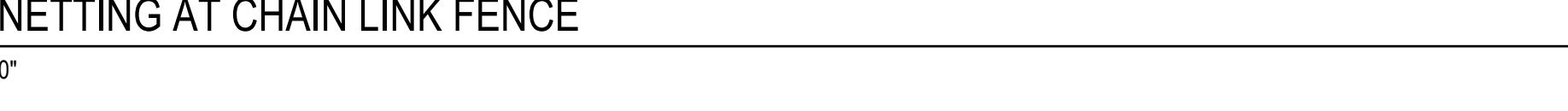


4 SHRUB PLANTING

12 CAST-IN-PLACE TURF EDGER WITH INTEGRAL SPORTS NETTING FENCE



13 SPORTS NETTING AT CHAIN LINK FENCE



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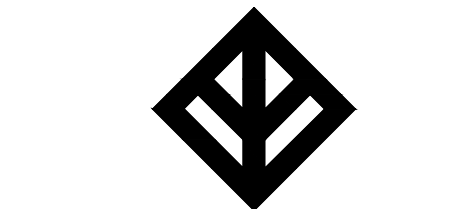
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LANDSCAPE DETAILS - 6

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Job No.: 20202.00
Drawn By: JM
Date: January 14, 2023

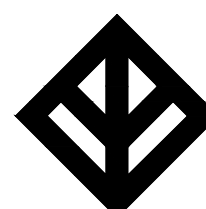
L606

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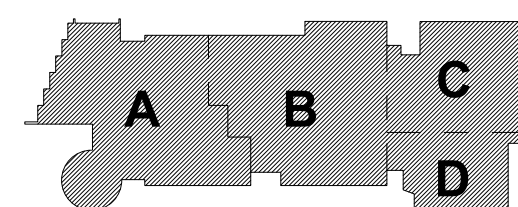
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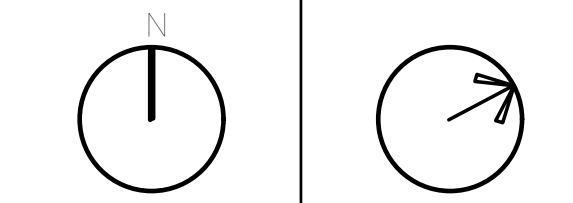
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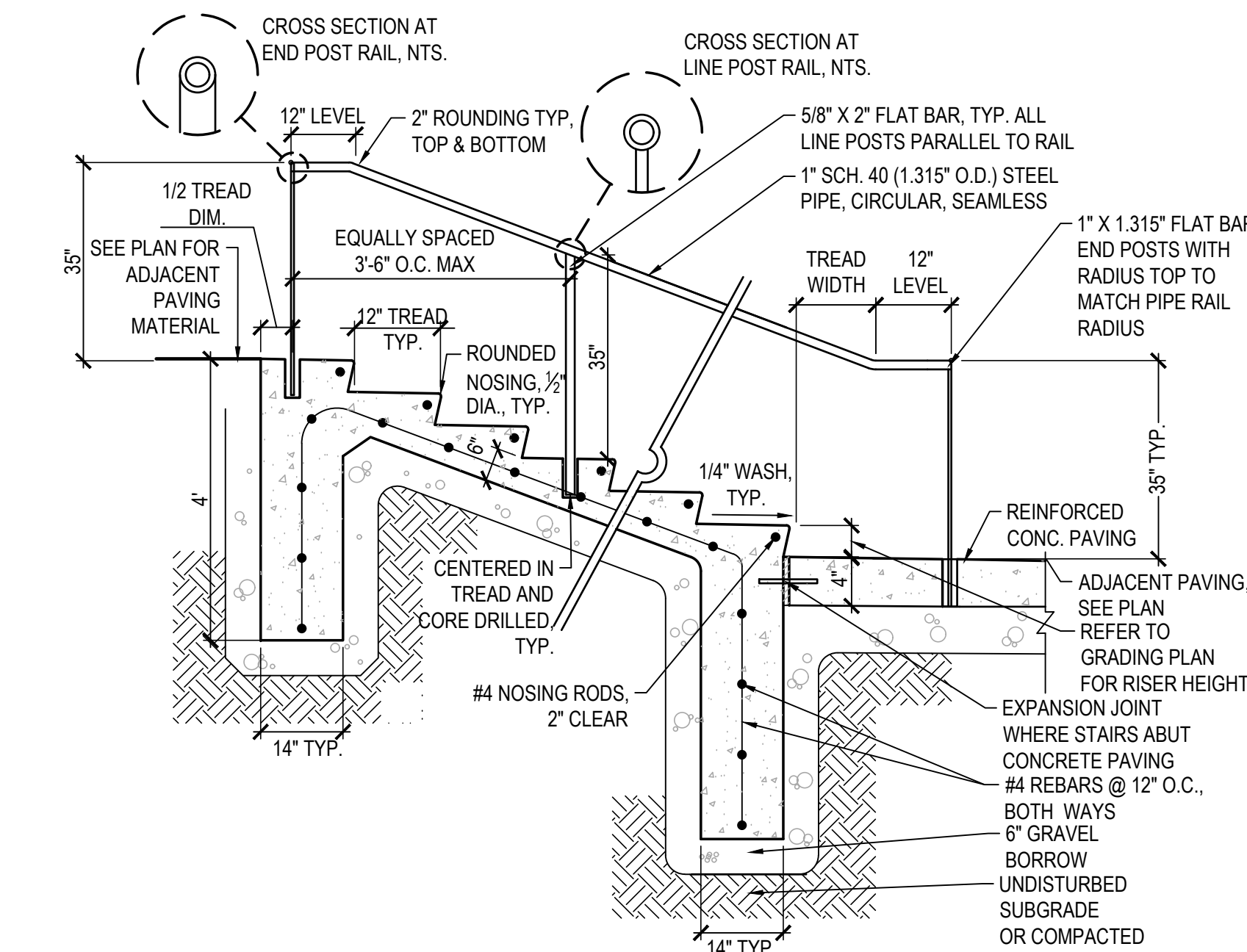
KEY PLAN

PROJECT NORTH MAGNETIC NORTH



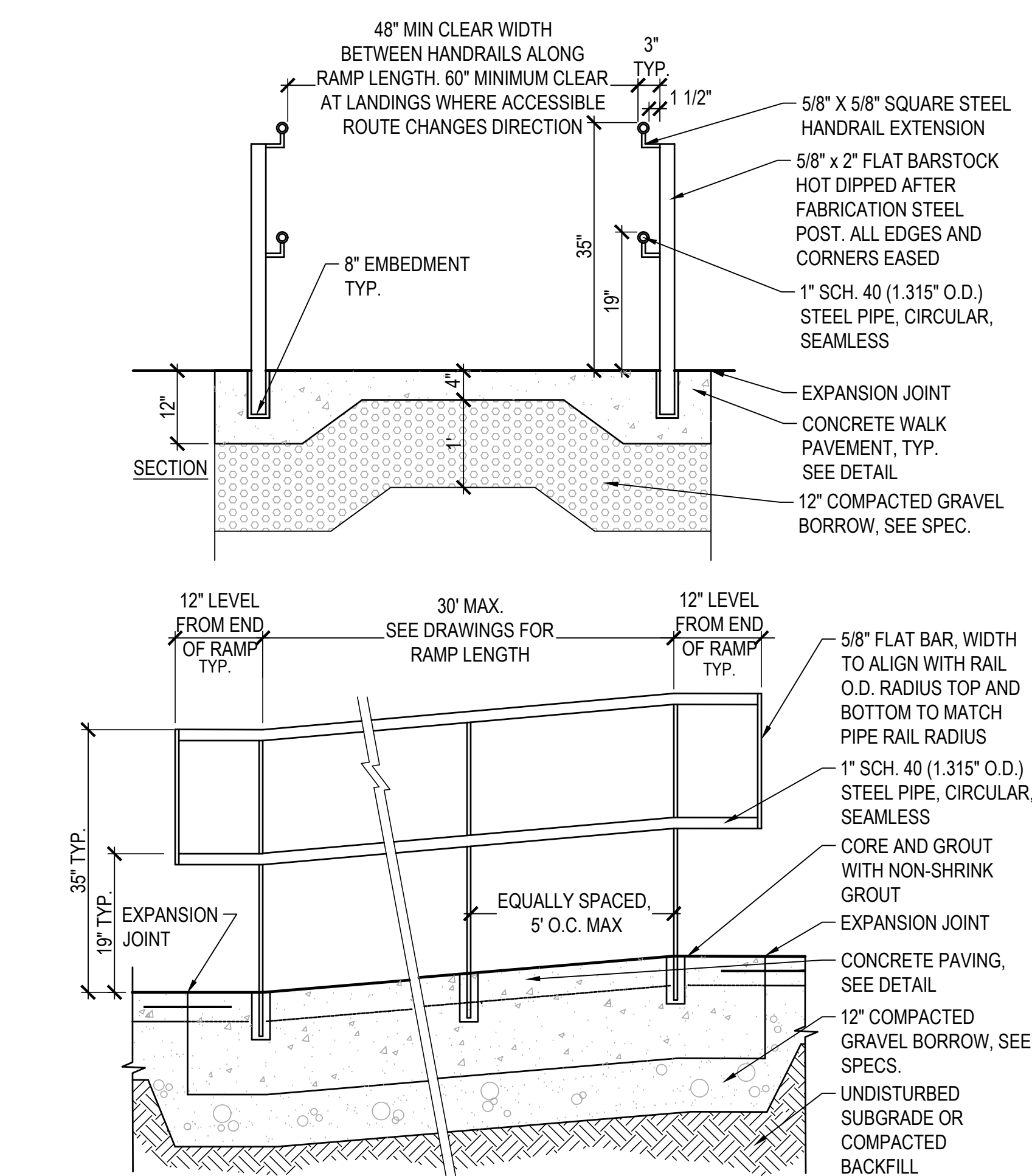
**ADD
ALTERNATES**

Scale: AS NOTED
Job No.: 20202.00
Drawn By: JM
Date: January 14, 2023
L701



- NOTES:
1. CONTRACTOR SHALL FIELD MEASURE CONCRETE STAIRS AND PROVIDE LARGE SCALE DETAILED SHOP DRAWINGS OF HANDRAILS AND ALL NECESSARY HARDWARE PER SPECIFICATIONS. PROVIDE DETAILED SHOP DRAWINGS FOR APPROVAL.
 2. ALL POSTS TO BE SET PLUMB AND VERTICAL. ALL RAILS SHALL FOLLOW GRADE AT BASE.
 3. ALL HANDRAIL POSTS SHALL BE SET IN THE STAIR TREADS. THE CENTERLINE OF THE POST SHALL BE 4 INCHES FROM THE EDGE OF STAIR.
 4. HANDRAIL SHALL BE ON BOTH SIDES OF STAIRS EXCEPT AT SPECTATOR SEATING.
 5. ALL WELDS SHALL BE SMOOTH GROUND TO PROVIDE SEAMLESS CONNECTIONS AND RAILINGS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. REFER TO SPECIFICATIONS FOR FINISH AND COLOR.
 6. WHERE RAMP RAILINGS ARE SHOWN ON PLAN CONNECTING TO STAIR END POSTS. TOP RAIL SHALL BE CONTINUOUS AND SMOOTH AND THE RAMP BOTTOM RAIL SHALL TERMINATE AT THE STAIR END POST. REFER TO CONCRETE RAMP AND HANDRAIL DETAIL ON THIS SHEET.

2 CAST-IN-PLACE CONCRETE STAIR AND HANDRAILS
SCALE: 1/2" = 1'-0"

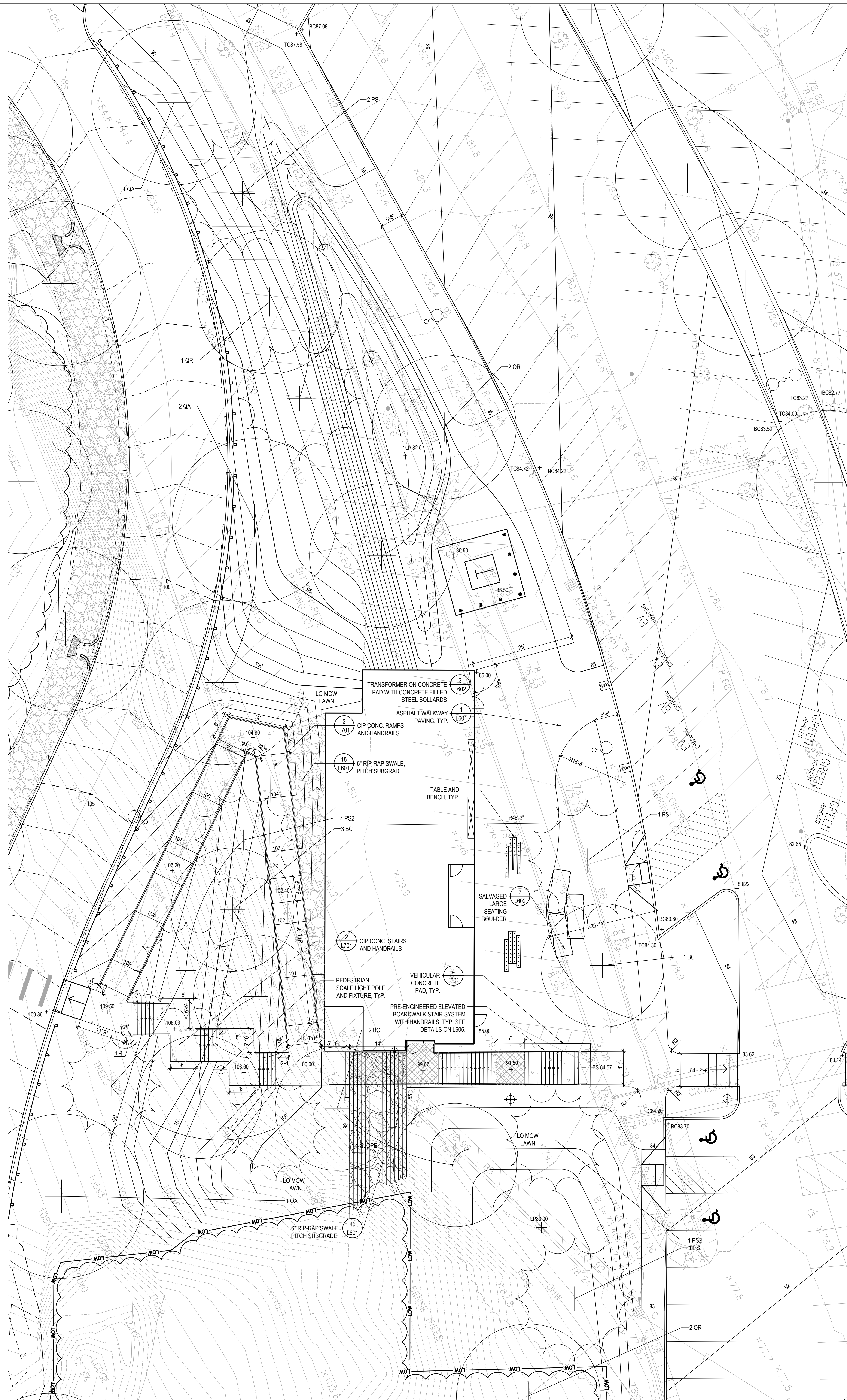


- ELEVATION
- NOTES:
1. CONTRACTOR SHALL FIELD MEASURE CONCRETE RAMPS AND SUBMIT LARGE SCALE SHOP DRAWINGS OF HANDRAILS AND ALL NECESSARY HARDWARE PER SPECIFICATIONS.
 2. ALL WELDS SHALL BE SMOOTH GROUND TO PROVIDE SEAMLESS CONNECTIONS.
 3. VERTICAL POSTS SHALL BE SET @ 5' O.C. MAXIMUM, EVENLY SPACED ALONG THE RAMP LENGTH, UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS.
 4. MAXIMUM SLOPE ON RAMP NOT TO EXCEED 8.0%, MAXIMUM CROSS-SLOPE PERPENDICULAR TO RAMP NOT TO EXCEED 1.8%.
 5. PROVIDE A MINIMUM 5' LANDING AT TOP AND BOTTOM OF RAMPS. MAXIMUM SLOPE ON LANDING NOT TO EXCEED 1.8%. PROVIDE POSITIVE DRAINAGE TO PREVENT PONDING.
 6. WHERE RAILINGS ARE SHOWN ON PLAN TO BE CONTINUOUS BETWEEN RAMPS, OMIT FLATBAR RAILING TERMINAL AND CONTINUE HANDRAILS AND POSTS AT SPACING INDICATED IN THIS DETAIL. WHERE RAMP DOUBLE RAILING MEETS STAIR HANDRAIL, TOP RAIL SHALL BE CONTINUOUS AND SMOOTH AND THE BOTTOM RAIL SHALL TERMINATE AT THE STAIR END POST.
 7. RAILING SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. REFER TO SPECIFICATIONS FOR FINISH AND COLOR.

3 CAST-IN-PLACE CONCRETE RAMP WITH HANDRAILS
SCALE: 3/4" = 1'-0"

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

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
OA	3	Quercus alba	White Oak	1.5' Cal.	
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
BC	6	Betula papyrifera 'Clump'	Clump Paper Birch	7-8' Ht. B&B	
QR	5	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	



1 ADD ALT - LOCKER ROOM AND RAMP
SCALE: 1/51/256" = 1'-0"