

NORTHERN MAINE VETERANS' CEMETERY

37 LOMBARD ROAD, CARIBOU, MAINE

2024 COLUMBARIA WALL EXPANSION

JANET T. MILLS, GOVERNOR

MAINE DEPARTMENT OF DEFENSE - VETERANS AND EMERGENCY MANAGEMENT, COMMISSIONER MAJOR GENERAL DIANE L. DUNN
BUREAU OF MAINE VETERANS' SERVICES, DIRECTOR DAVID A. RICHMOND

NATIONAL CEMETERY ADMINISTRATION PROJECT #FAI ME-23-23
STATE OF MAINE, BUREAU OF GENERAL SERVICES PROJECT #3742

ISSUED FOR BID
JULY 12, 2024

DESIGN CONSULTANTS

PROJECT ENGINEER
Walsh Engineering Associates, Inc.
One Karen Drive, Suite 2A
Westbrook, Maine 04092
207.553.9898

Project Summary:

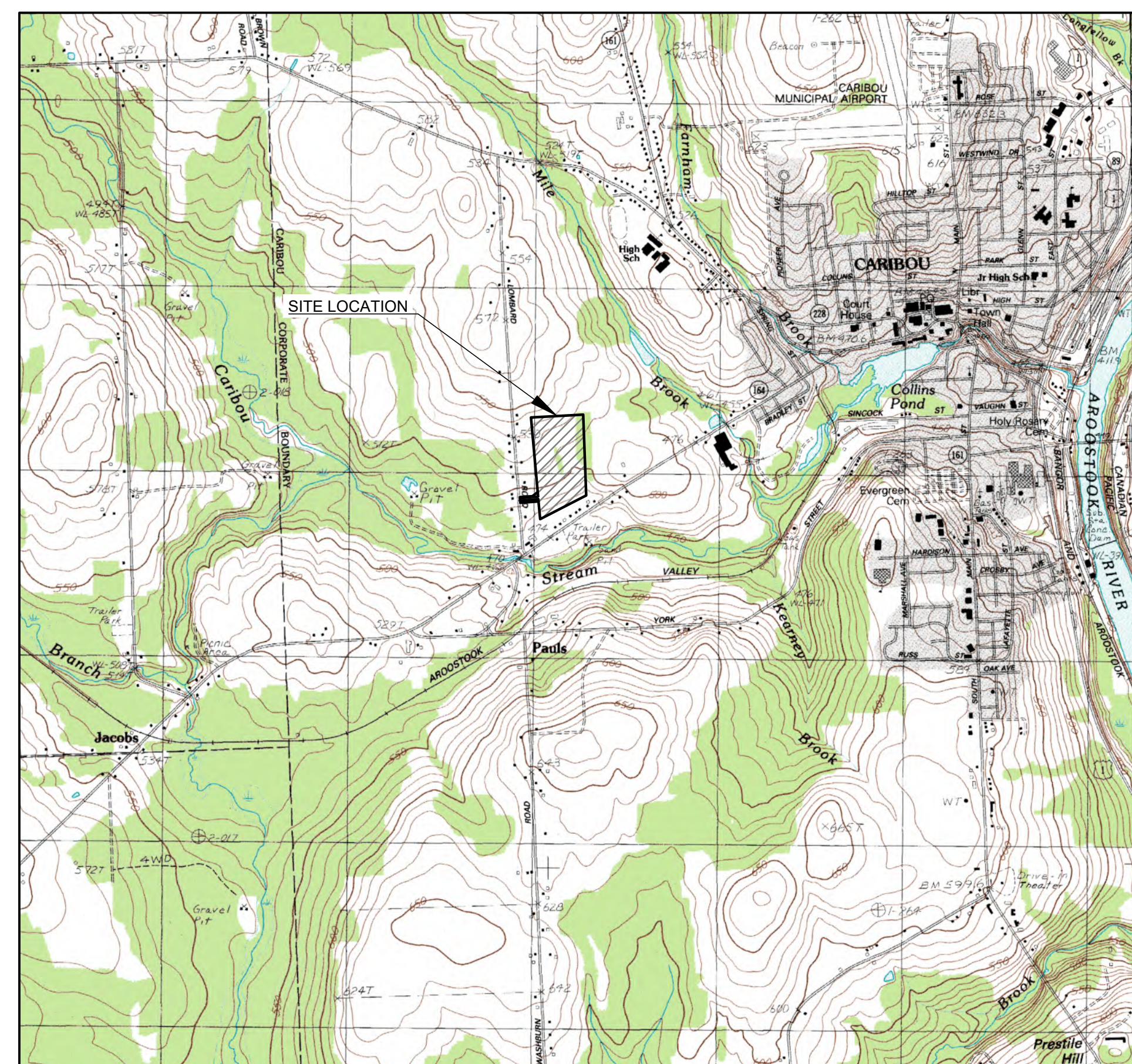
Existing:

Total Acreage of Cemetery: 43.7 ± Acres
Developed Areas of Cemetery: 15.0 ± Acres
Disturbed Areas This Project: 0.14 ± Acres

Proposed:

Columbaria Niches: 576 Niches

REGIONAL MAP



GRAPHIC SCALE
2,000 0 1,000 2,000
1 inch = 2,000ft.

LOCAL LOCATION PLAN

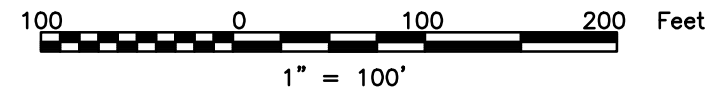


GRAPHIC SCALE
300 0 150 300
1 inch = 300 ft.

LIST OF DRAWINGS

- C0.0 Cover Sheet
Boundary Survey
- C1.0 Cemetery Master Plan
- C2.0 Existing Conditions & Removals Plan
- C2.1 Site Layout Plan
- C2.2 Site Grading, Drainage AND Erosion Control Plan
- C2.3 Columbaria Numbering Plan
- C2.4 Alternates #1 & #2 Plans and Details
- C3.0 Site Details
- C3.1 Site Details
- Col-1 Columbarium Plans, Elevations, and Details
- Col-2 Columbarium Foundation Plan, Sections and Notes

Boundary Survey
 Property to be conveyed to
 The State of Maine/Department of Defense,
 Veterans and Emergency Management: Maine Veterans Services
 by
 John T. Noble and Carolyn Joyce Noble
 being
 A Part of Lot 12, "H" Township
 in
 Caribou, Aroostook County, Maine
 January 17, 2002



General Notes:

1. This survey was tied to the Maine State Coordinate System, NAD 1983, using GPS receivers. The initial GPS traverse was conducted on November 10, 1998 to establish control on the Lombard Road for a different project. This control traverse was initiated at a Maine Department of Transportation control monument, 1811-15 and control was established at our control station 102. The closure of this traverse was 1:550,000 and the elevations were scaled. On September 21, 1999, we began at station 102 and established further control around this site using GPS receivers. The closure of our two control loops were 1:331,000 and 1:266,000 and again the elevation was scaled. On December 2, 1999, we ran another GPS tie to the OM station of the Crown of Maine Colibrated Baseline at the Caribou Municipal Airport to establish elevation control at this site. The closure of that GPS loop was 1:1,017,600. All of the distances on this plan of survey were adjusted from grid distances to ground distances using the software that processed the GPS data. The average combined scale factor for this site is 0.99999391. The ground coordinates at each corner are shown on this plan of survey. If further information about the connection traverse is required, it can be provided at a later time.
2. For further information concerning the Washburn Road see the Maine State Highway Commission Right of Way Map, S.H.C. 2-197, sheets 4 & 5 of 7.
3. A temporary benchmark was established on this site for future use. It is a magnetic PK nail in the concrete foundation of the existing flagpoles. The elevation of this benchmark is 484.2 feet. This elevation is 8.5' higher than local benchmarks but it is the elevation used to control all elevations on this site.
4. The apparent division line between Lots 7 and 12 is a line of trees, brush and rocks. However, analysis of other lot lines and the original field notes show that the west end of this lot line at Lombard Road could be approximately 60 feet further north. The scope of this work does not involve the location of this property line. This notation is included here for information purposes only.
5. The property line is blazed and painted in wooded areas.
6. We observed a junk automobile and other various items in some of the wooded areas.
7. See plan of survey entitled, "Standard Boundary Survey of Property to be conveyed to The State of Maine/Department of Defense, Veterans and Emergency Management: Maine Veterans Services by John T. Noble and Carolyn Joyce Noble being A Part of Lot 12, 'H' Township in Caribou, Aroostook County, Maine, September 21 - December 15, 1999" by Doody, Blackstone & Bubor. Said plan is referenced in Book 3365, page 35 as recorded in the Southern District of the Aroostook County Registry of Deeds.

Legend:

- ⊙ 1" x 36" iron pipe set 2 - 2 1/2 feet into the ground, unless otherwise noted, capped #1219
- Iron pipe found - capped # 1219
- Steel rebar found
- 6"x6" granite highway monument found
- × Plan point
- Small clump of alders/brush
- Spruce tree (various sizes)
- ~~~~~ Edge of wooded area
- Center line of existing pavement
- Edge of existing pavement

Coordinate Table for Property Corners
 Maine State Coordinates NAD83
 (See General Note 1)

Corner	Northing	Eastng
1	1,161,352.26	1,098,601.04
2	1,161,402.11	1,098,597.18
3	1,161,427.12	1,098,919.94
4	1,162,832.11	1,098,793.25
5	1,162,880.73	1,099,718.67
6	1,161,447.75	1,099,773.05
7	1,161,027.73	1,098,955.95
8	1,161,377.32	1,098,924.43
9	1,161,417.06	1,098,596.02
10	1,161,434.33	1,098,819.84
11	1,161,506.77	1,098,912.75
12	1,161,342.46	1,098,927.57
13	1,161,317.36	1,098,603.74
14	1,160,935.35	1,098,850.52
15	1,160,939.27	1,098,643.08
16	1,160,878.68	1,098,637.74
17	1,160,964.64	1,098,840.16
18	1,161,062.17	1,098,859.84
A	1,160,968.41	1,098,630.79

Note: Maine State Grid North was calculated from GPS observations taken September 21, 1999, See General Note 1. All bearings on this plan of survey are oriented to Maine State Grid North.

PARCEL "A"
0.19 acres
Bearings and Distance Table

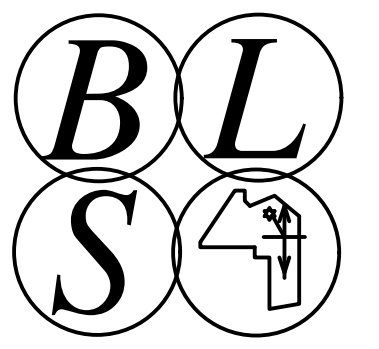
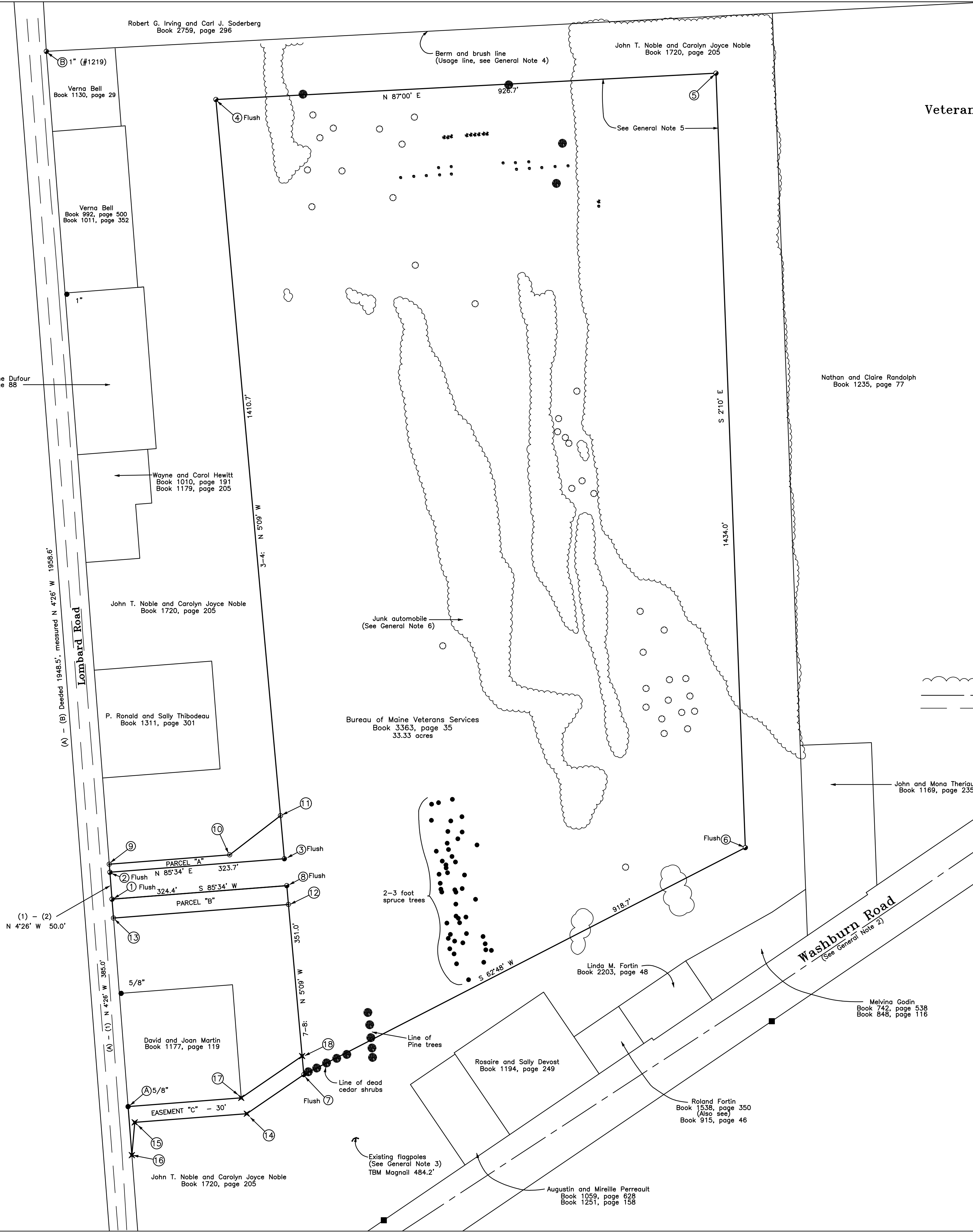
2 - 9	N 04°26' W	15.0'
9 - 10	N 85°34' E	223.5'
10 - 11	N 52°21' E	118.6'
11 - 3	S 05°09' E	80.0'
3 - 2	S 85°34' W	323.7'

PARCEL "B"
0.28 acres
Bearings and Distance Table

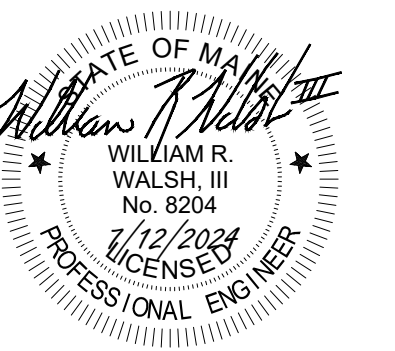
1 - 8	N 85°34' E	324.4'
8 - 12	S 05°09' E	35.0'
12 - 13	S 85°34' W	342.8'
13 - 1	N 04°26' W	35.0'

EASEMENT "C"
Bearings and Distance Table

A - 17	N 85°34' E	210.0'
17 - 18	N 55°32' E	136.7'
18 - 7	S 05°09' E	34.4'
7 - 14	S 55°32' W	127.9'
14 - 15	S 85°34' W	208.1'
15 - 16	S 05°02' W	60.8'
16 - A	N 04°26' W	90.0'



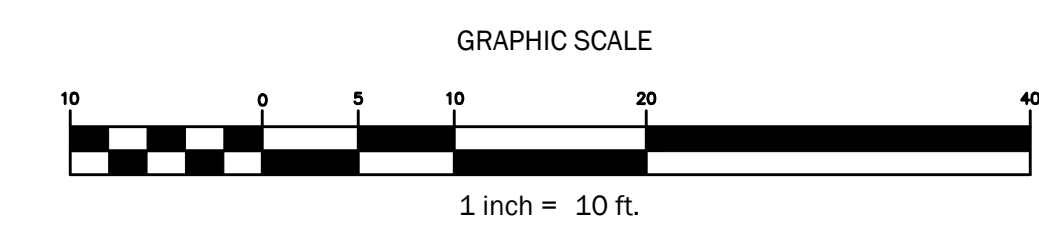
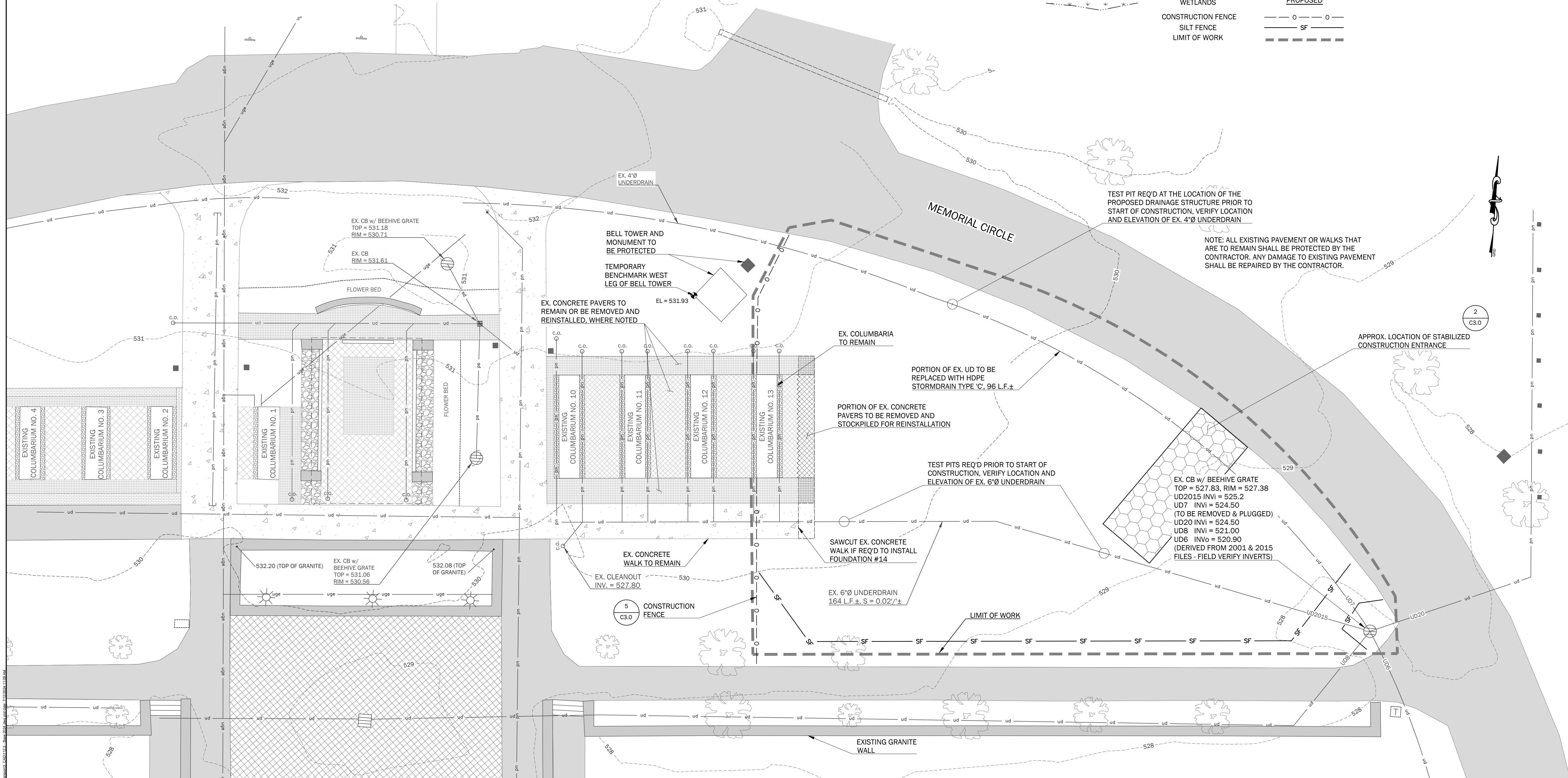
Blackstone Land Surveying, P.A.
 7 Hatch Drive, Suite 260
 Caribou, Maine 04736



- GENERAL NOTE:**
- SEE SHEET C1.0 FOR
 - GENERAL NOTES
 - LAYOUT, MATERIALS AND UTILITY NOTES
 - EXISTING UTILITY NOTES
 - PLAN REFERENCES
 - GRADING AND DRAINAGE NOTES
 - EROSION CONTROL NOTES

- ABBREVIATIONS**
- | | |
|------------------|----------------------|
| APPROX. | APPROXIMATE |
| CB | CATCH BASIN |
| C.O. | CLEAN OUT |
| EL. | ELEVATION |
| EX. | EXISTING |
| FI | FIELD INLET |
| INV | INVERT |
| INVI | INVERT IN |
| INV _o | INVERT OUT |
| REQ'D | REQUIRED |
| SF | SILT FENCE |
| TYP. | TYPICAL |
| UD | UNDERDRAIN |
| UGE | UNDERGROUND ELECTRIC |

- LEGEND**
- | EXISTING | DEMOLITION | PROPOSED |
|--|---|--|
| <ul style="list-style-type: none"> EL=100.00 PROPERTY LINE ABUTTERS PROPERTY LINE STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN CLEAN OUT STORM DRAIN LINE UNDERDRAIN UNDERGROUND ELECTRIC LINE LIGHT POLE FLAGPOLE BOLLARD BURIAL SECTION MARKER BUILDING CONCRETE CONCRETE PAVER PATTERN 1 CONCRETE PAVER PATTERN 2 CONCRETE PAVER PATTERN 3 STONE DRIPSTRIP GRANITE BOLLARD INDEX CONTOUR INTERMEDIATE CONTOUR TREE WETLANDS CONSTRUCTION FENCE SILT FENCE LIMIT OF WORK | <ul style="list-style-type: none"> TEMPORARY BENCHMARK | <ul style="list-style-type: none"> CONCRETE PAVER PATTERN 1 CONCRETE PAVER PATTERN 2 CONCRETE PAVER PATTERN 3 STONE DRIPSTRIP GRANITE BOLLARD INDEX CONTOUR INTERMEDIATE CONTOUR TREE WETLANDS CONSTRUCTION FENCE SILT FENCE LIMIT OF WORK |



2024 Columbaria Wall Expansion
at
Northern Maine Veterans' Cemetery, 37 Lombard Road, Caribou, Maine
Maine Department of Defense, Veterans & Emergency Management
Bureau of Veterans' Services
National Cemetery Administration Project #FAI ME-23-23
Bureau of General Services Project Number #3742

Rev.	Date	Description	Drawn	Check

Sheet Title:
Existing Conditions and Removals Plan

LEGEND

EXISTING	PROPOSED	ABBREVIATIONS
EL=100.00	TEMPORARY BENCHMARK	APPROX. APPROXIMATE
---	PROPERTY LINE	CB CATCH BASIN
---	ABUTTERS PROPERTY LINE	C.O. CLEAN OUT
---	STORM DRAIN FIELD INLET	EL. ELEVATION
---	STORM DRAIN CATCH BASIN	EX. EXISTING
---	CLEAN OUT	FI FIELD INLET
---	STORM DRAIN LINE	INV INVERT
---	UNDERDRAIN	INVi INVERT IN
---	UNDERGROUND ELECTRIC LINE	INVo INVERT OUT
---	LIGHT POLE	REQ'D REQUIRED
---	FLAGPOLE	SF SILT FENCE
---	BOLLARD	TYP. TYPICAL
---	BURIAL SECTION MARKER	UD UNDERDRAIN
---	COLUMBARIUM	UGE UNDERGROUND ELECTRIC
---	BUILDING	
---	CONCRETE	
---	CONCRETE PAVER PATTERN 1	
---	CONCRETE PAVER PATTERN 2	
---	CONCRETE PAVER PATTERN 3	
---	STONE DRIPSTRIP	
---	GRANITE BOLLARD	
---	INDEX CONTOUR	
---	INTERMEDIATE CONTOUR	
---	SPOT GRADE	
---	TREE	
---	WETLANDS	
---	CONSTRUCTION FENCE	
---	SILT FENCE	
---	CATCH BASIN INLET PROTECTION	
---	LIMIT OF WORK	

GENERAL NOTE:

- SEE SHEET C1.0 FOR
 - GENERAL NOTES
 - LAYOUT, MATERIALS AND UTILITY NOTES
 - EXISTING UTILITY NOTES
 - PLAN REFERENCES
 - GRADING AND DRAINAGE NOTES
 - EROSION CONTROL NOTES

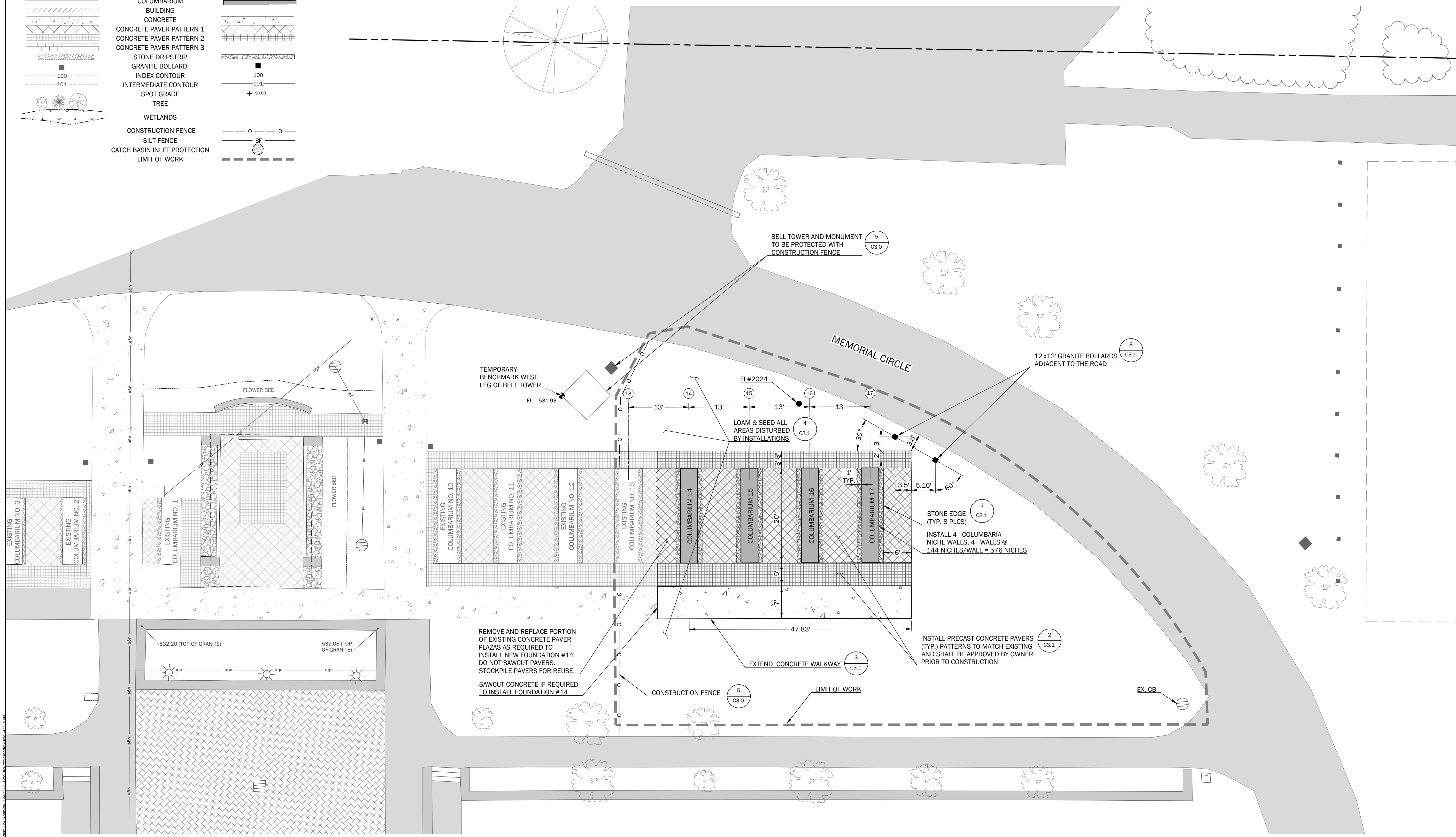
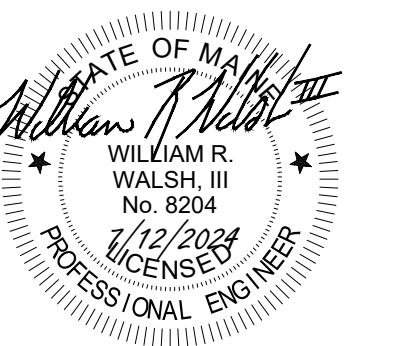
COLUMBARIUM LOCATION NOTES:

- SOUTH FACE OF NEW COLUMBARIA TO BE LOCATED IN LINE WITH SOUTH FACE OF EXISTING COLUMBARIA.
- EAST FACE OF NEW COLUMBARIA TO BE PARALLEL WITH EXISTING COLUMBARIA.

WALSH
ENGINEERING ASSOCIATES, INC.

One Karen Dr., Suite 2A | Westbrook, Maine 04092
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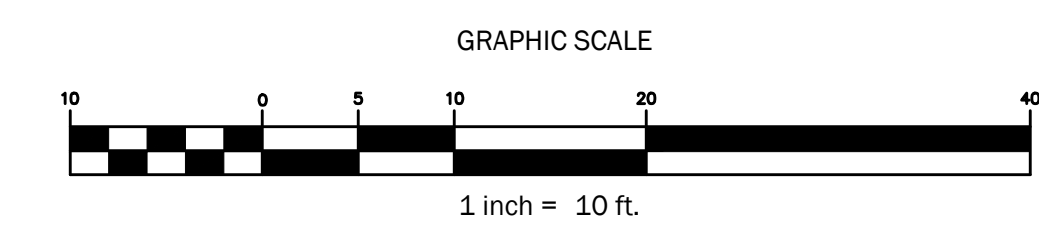
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National Cemetery Administration Project #FAI ME-23-23
Bureau of General Services Project Number #3742

Rev.	Date	Description	Drawn	Check

Sheet Title:
Site Layout Plan

Job No.:	112.5	Sheet No.:	C2.1	
Date:	JULY 12, 2024	Scale:		AS SHOWN
Drawn:	JDC	Checked:		NGC
Checked:	NGC			

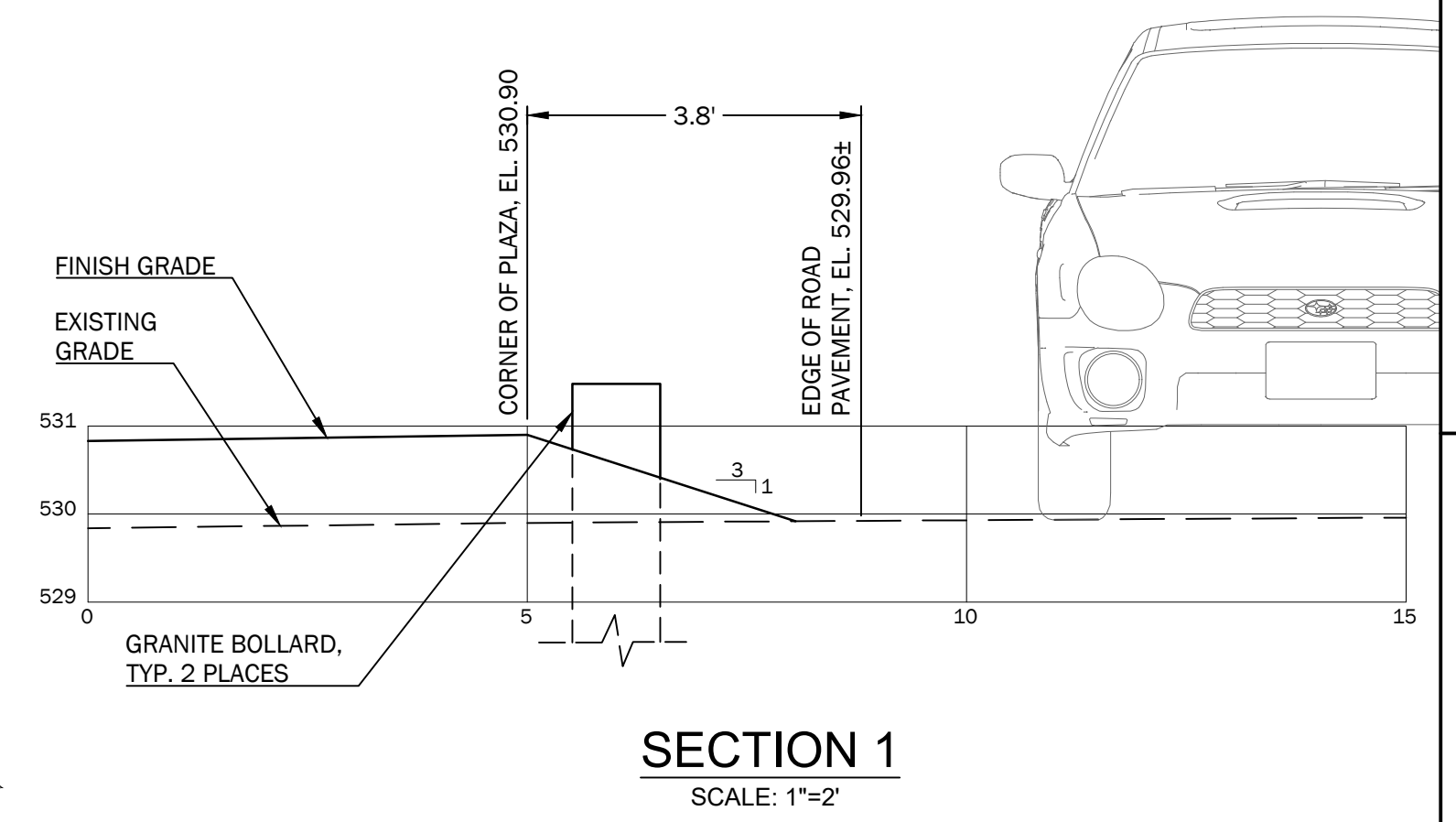


LEGEND

EXISTING	PROPOSED	ABBREVIATIONS
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---	ABUTTERS PROPERTY LINE	C.O. CLEAN OUT
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---	STORM DRAIN CATCH BASIN	EX. EXISTING
---	CLEAN OUT	FI FIELD INLET
---	STORM DRAIN LINE	INV INVERT
---	UNDERDRAIN	INVi INVERT IN
---	UNDERGROUND ELECTRIC LINE	INVo INVERT OUT
---	LIGHT POLE	REQ'D REQUIRED
---	FLAGPOLE	SF SILT FENCE
---	BOLLARD	TYP. TYPICAL
---	BURIAL SECTION MARKER	UD UNDERDRAIN
---	COLUMBARIUM	UGE UNDERGROUND ELECTRIC
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---	LIMIT OF WORK	
---	CONSTRUCTION ENTRANCE	
---	CATCH BASIN INLET PROTECTION	

GENERAL NOTE:

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 - PLAN REFERENCES
 - GRADING AND DRAINAGE NOTES
 - EROSION CONTROL NOTES

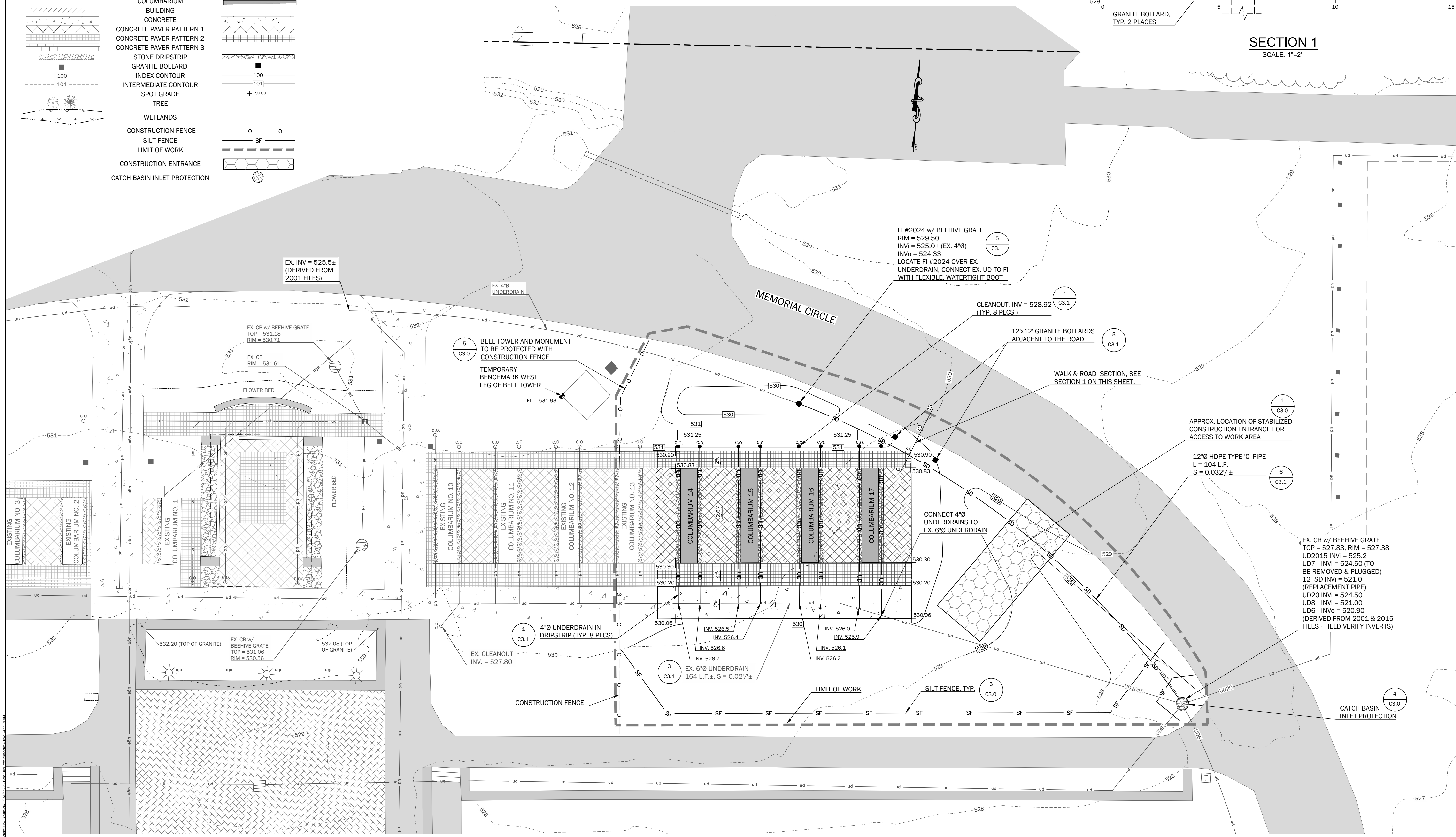


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STATE OF MAINE
WILIAM R. WALSH, III
No. 8204
LICENSED PROFESSIONAL ENGINEER



2024 Columbaria Wall Expansion

at
Northern Maine Veterans' Cemetery, 37 Lombard Road, Caribou, Maine

Maine Department of Defense, Veterans & Emergency Management
Bureau of Veterans' Services

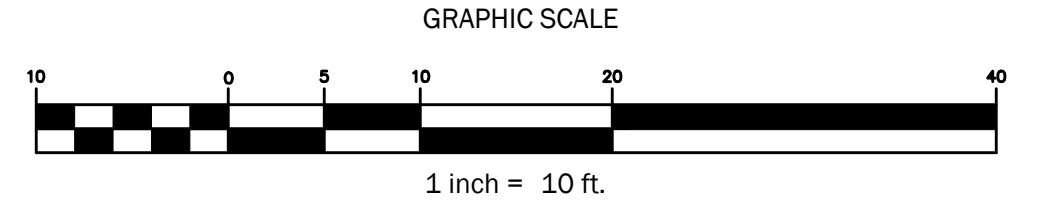
National Cemetery Administration Project #FAI ME-23-23
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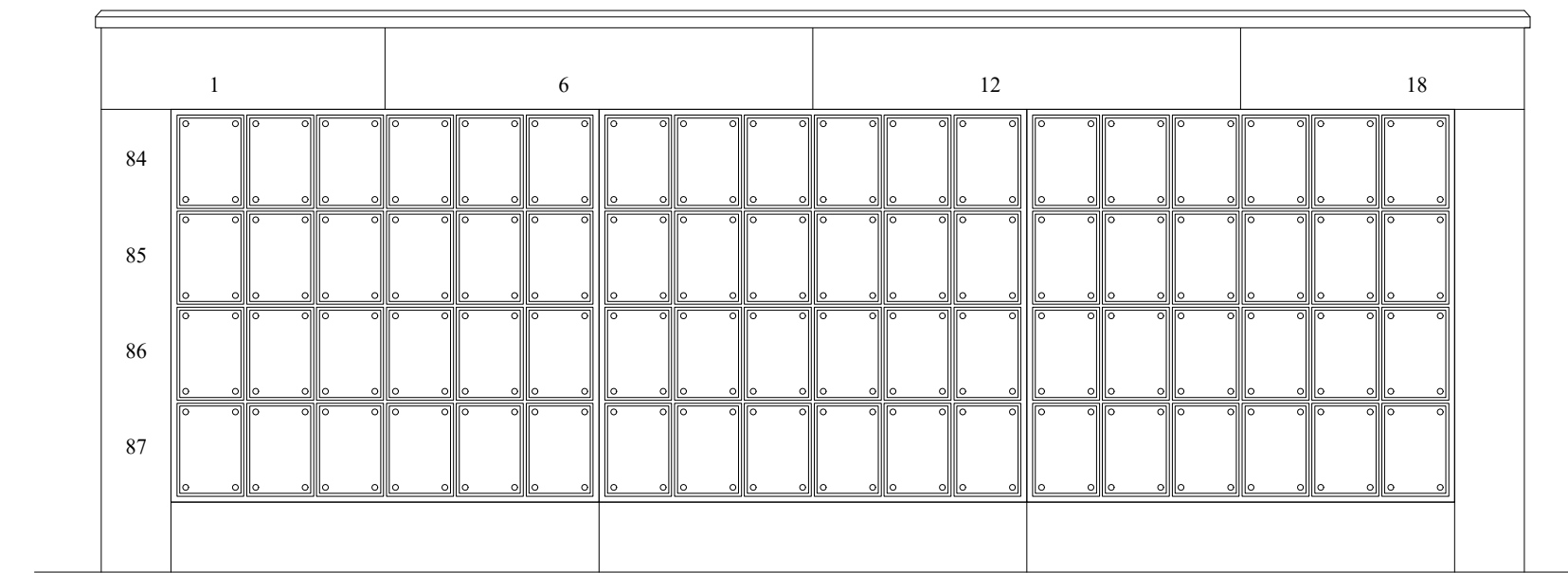
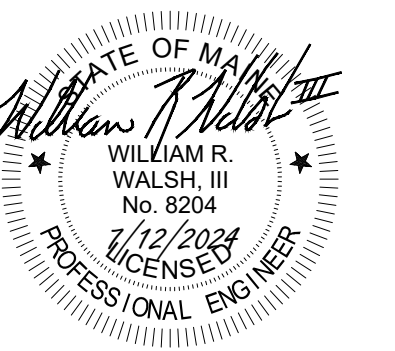
Rev.	Date	Description	Drawn	Check

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**Site Grading,
Drainage and
Erosion Control Plan**

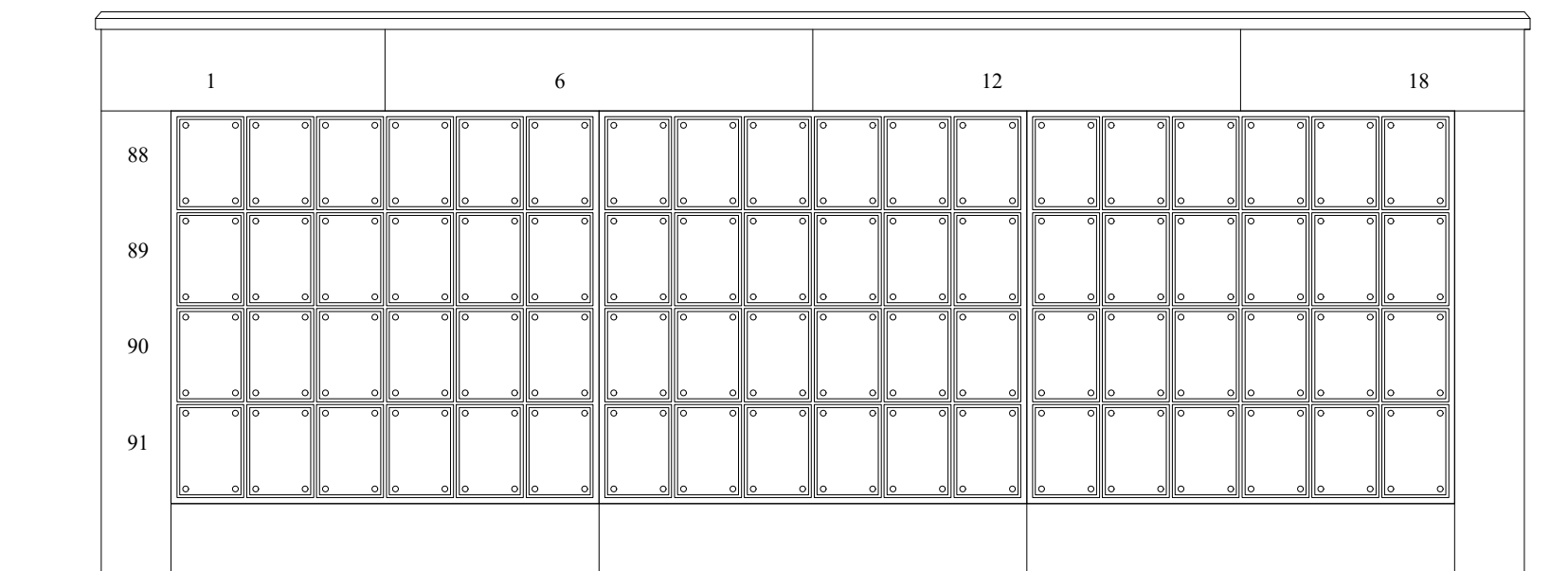
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Date: JULY 12, 2024
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Drawn: JDC
Checked: NGC

C2.2

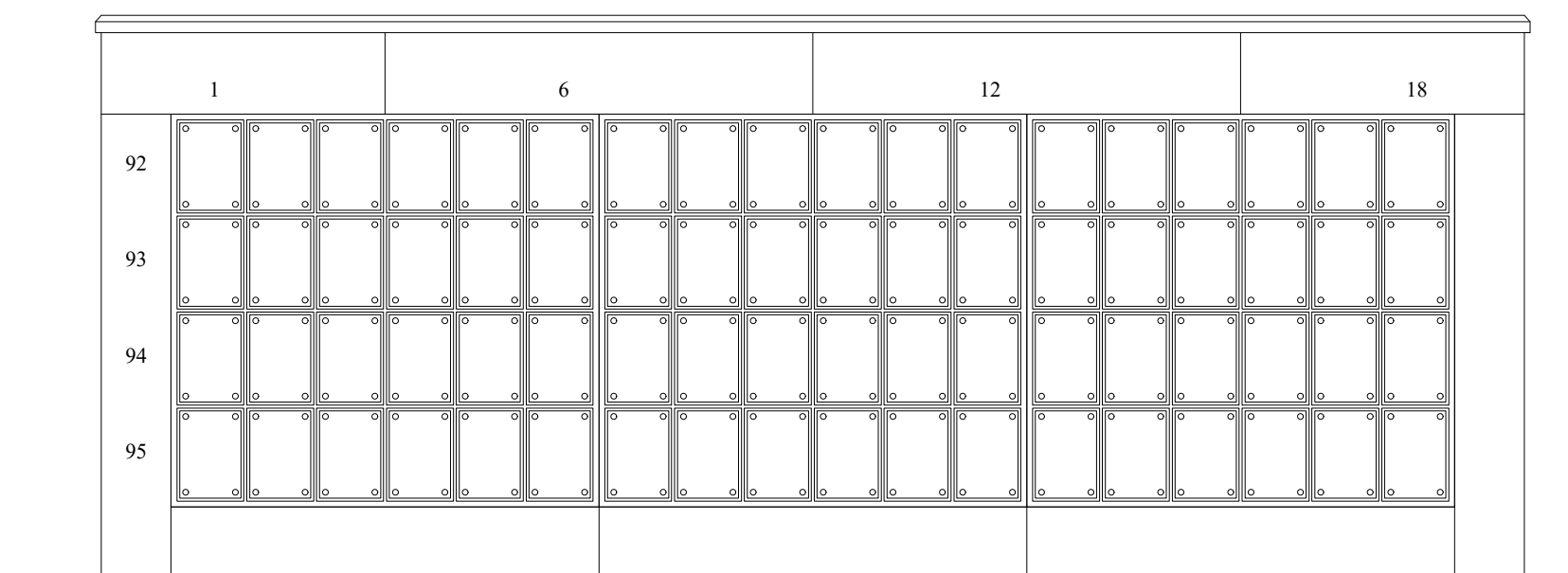




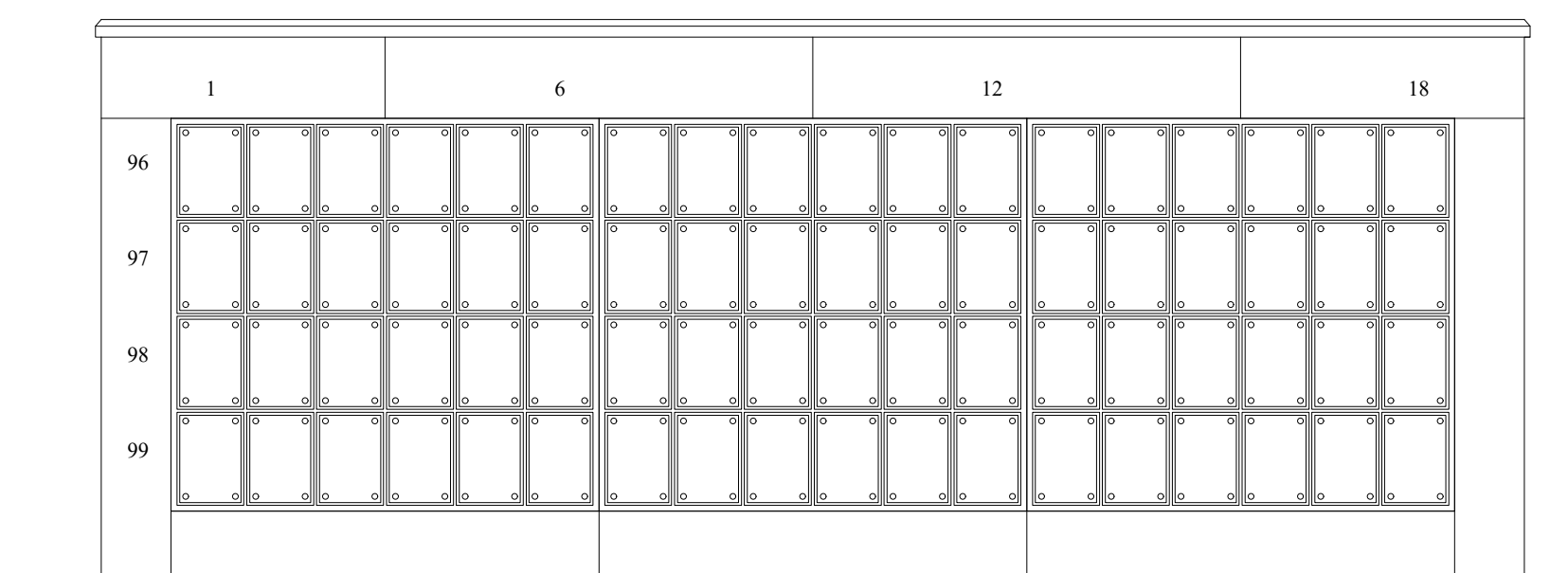
Columbarium 14 - West



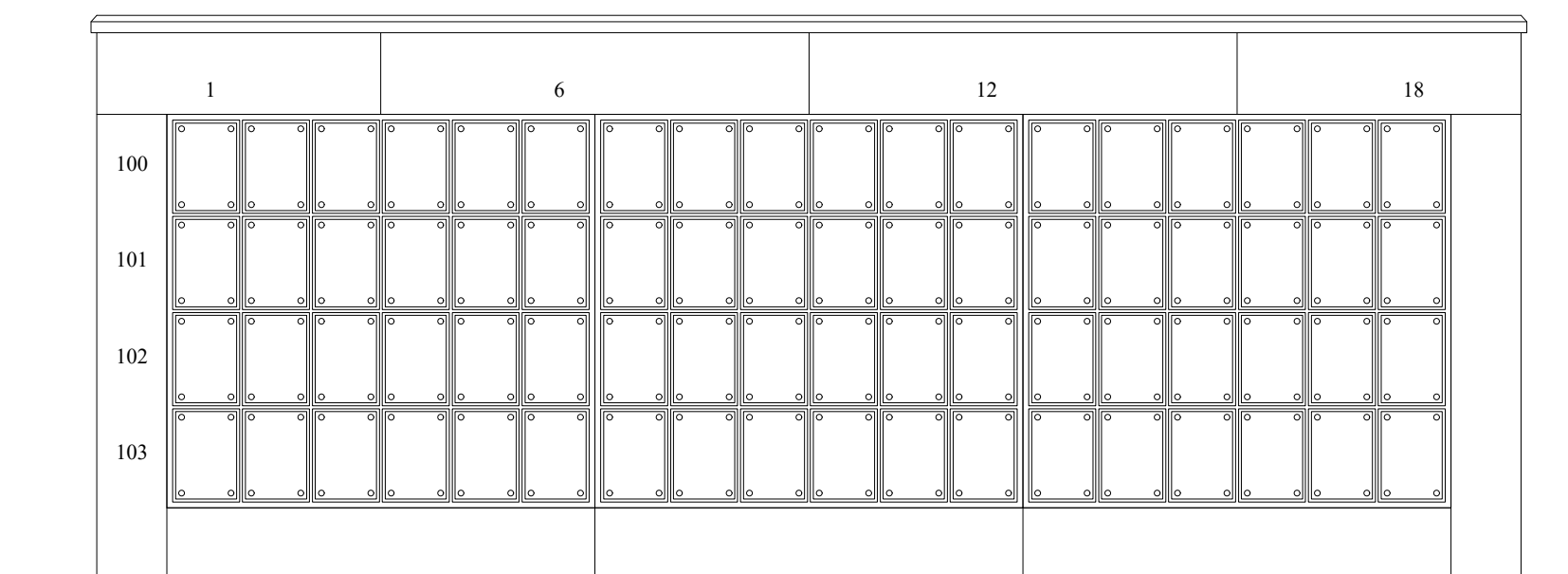
Columbarium 14 - East



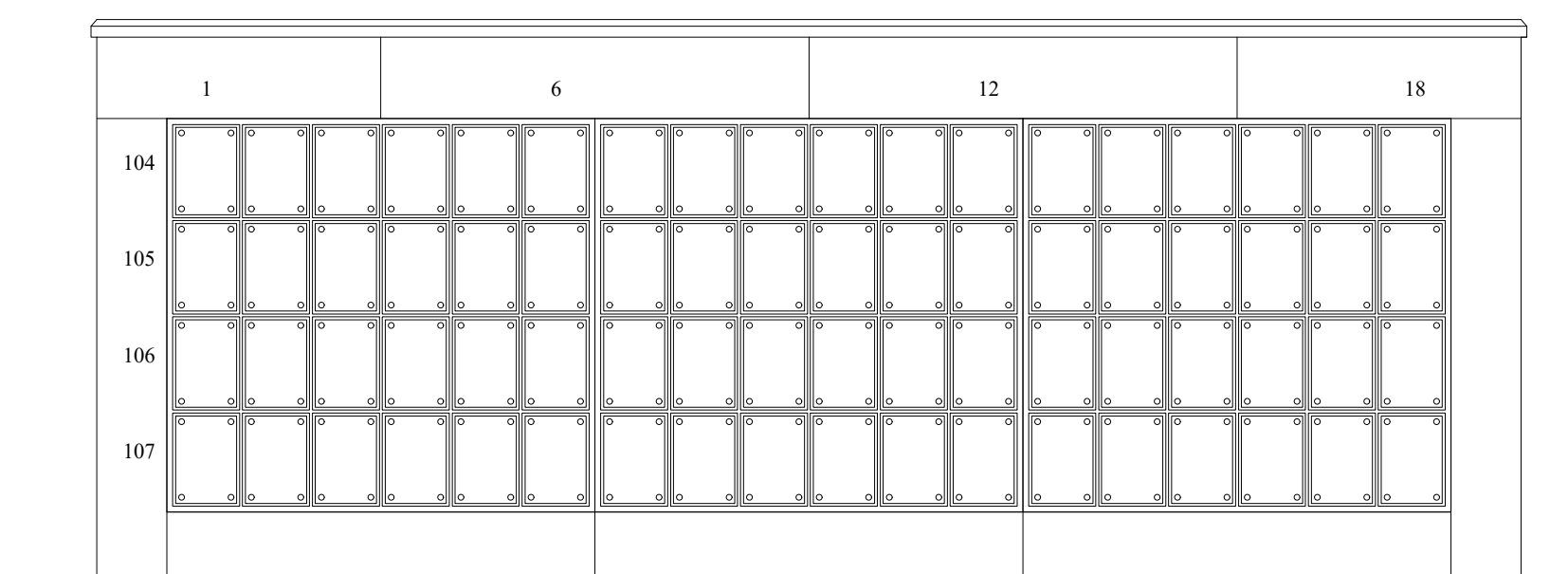
Columbarium 15 - West



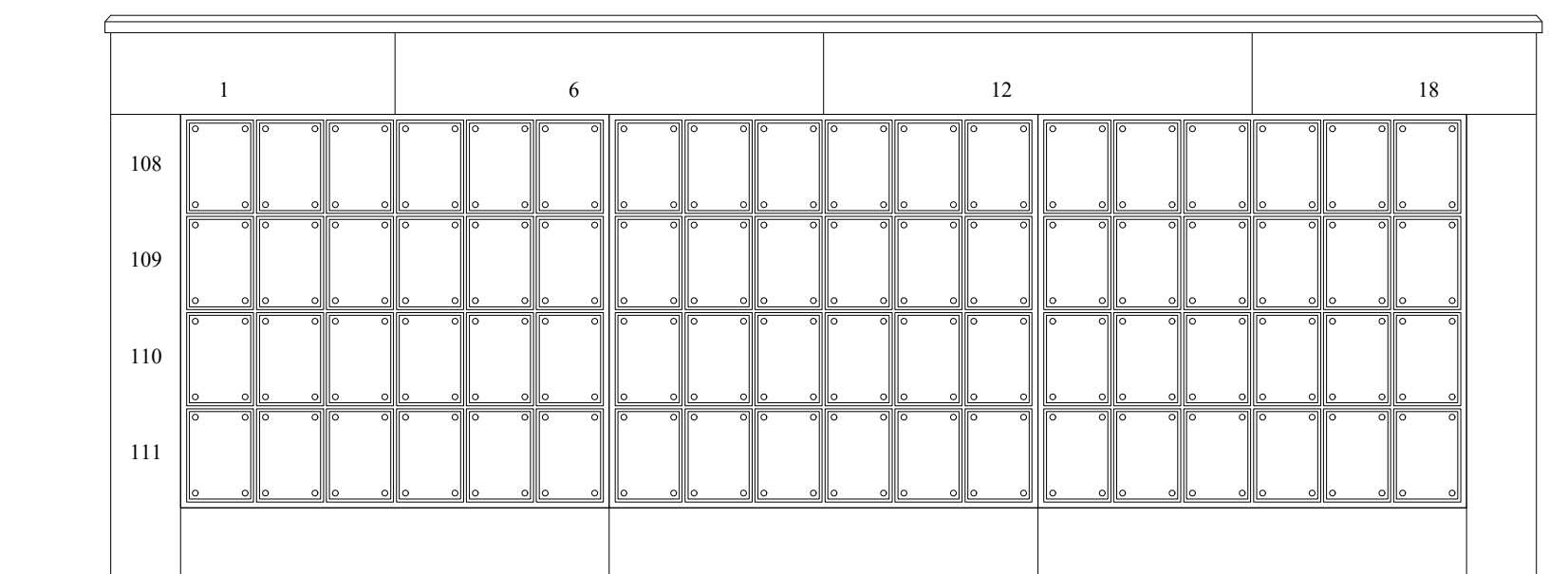
Columbarium 15 - East



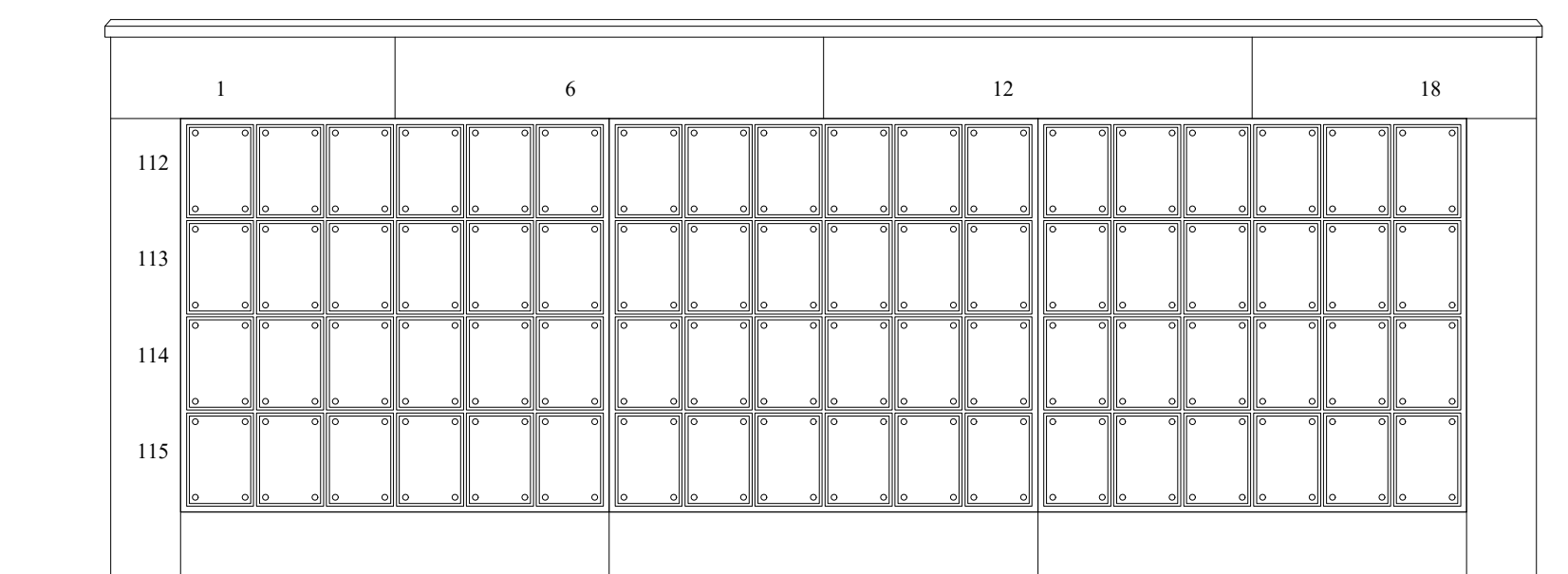
Columbarium 16 - West



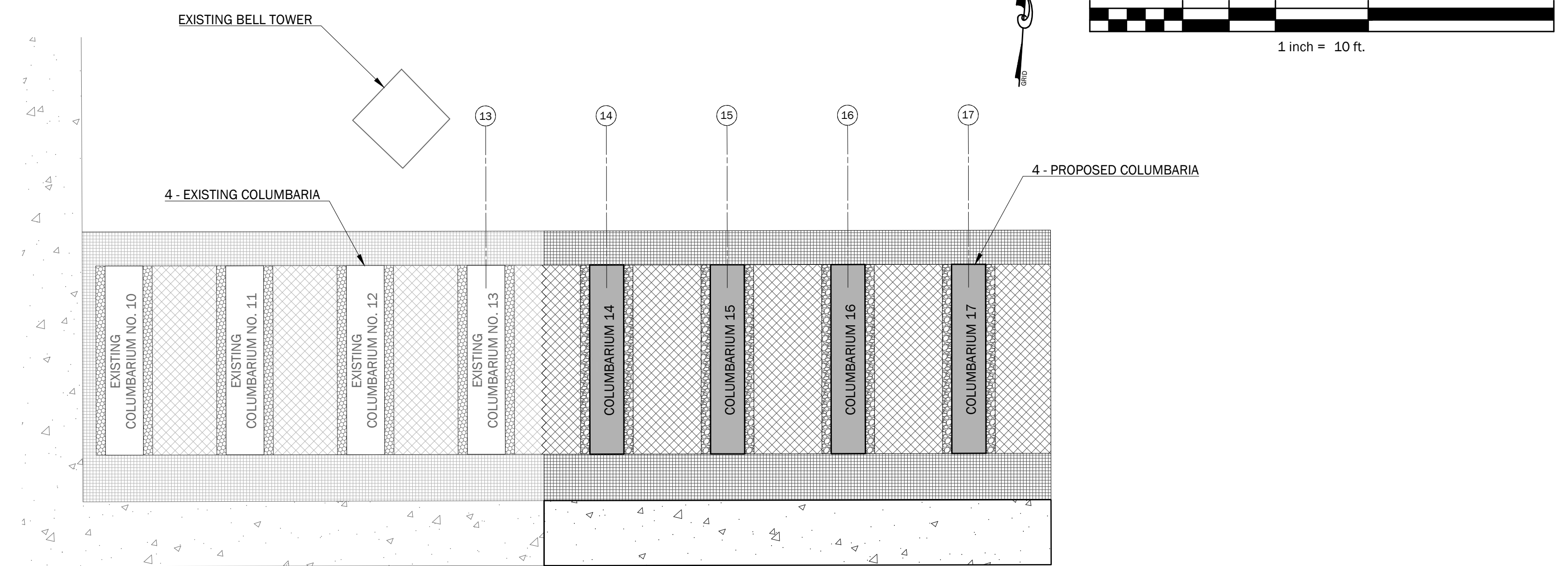
Columbarium 16 - East



Columbarium 17 - West



Columbarium 17 - East



Columbarium Plan 2024 Expansion

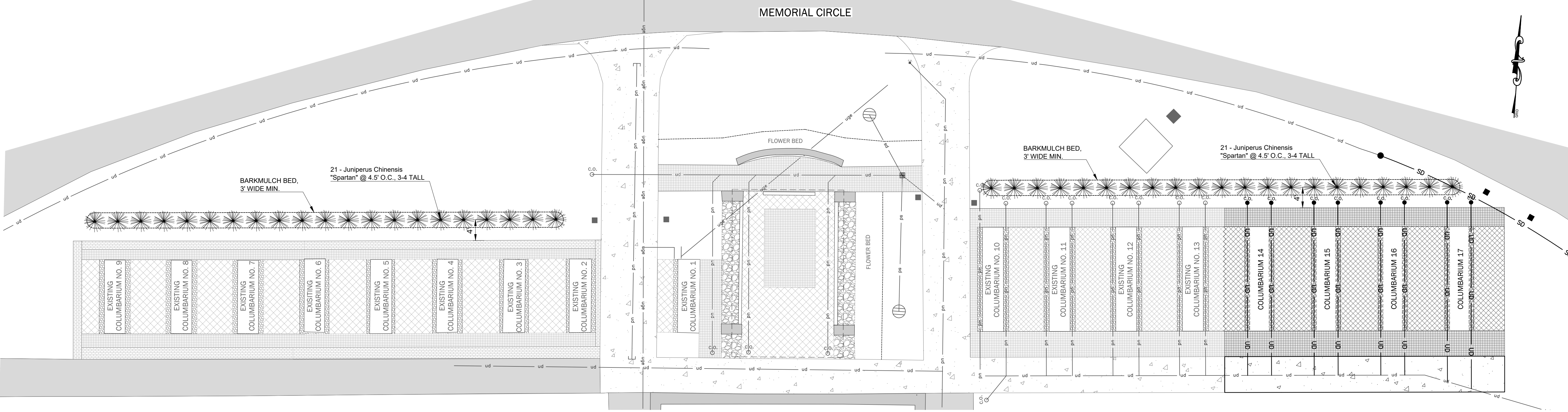
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Rev.	Date	Description	Drawn	Check

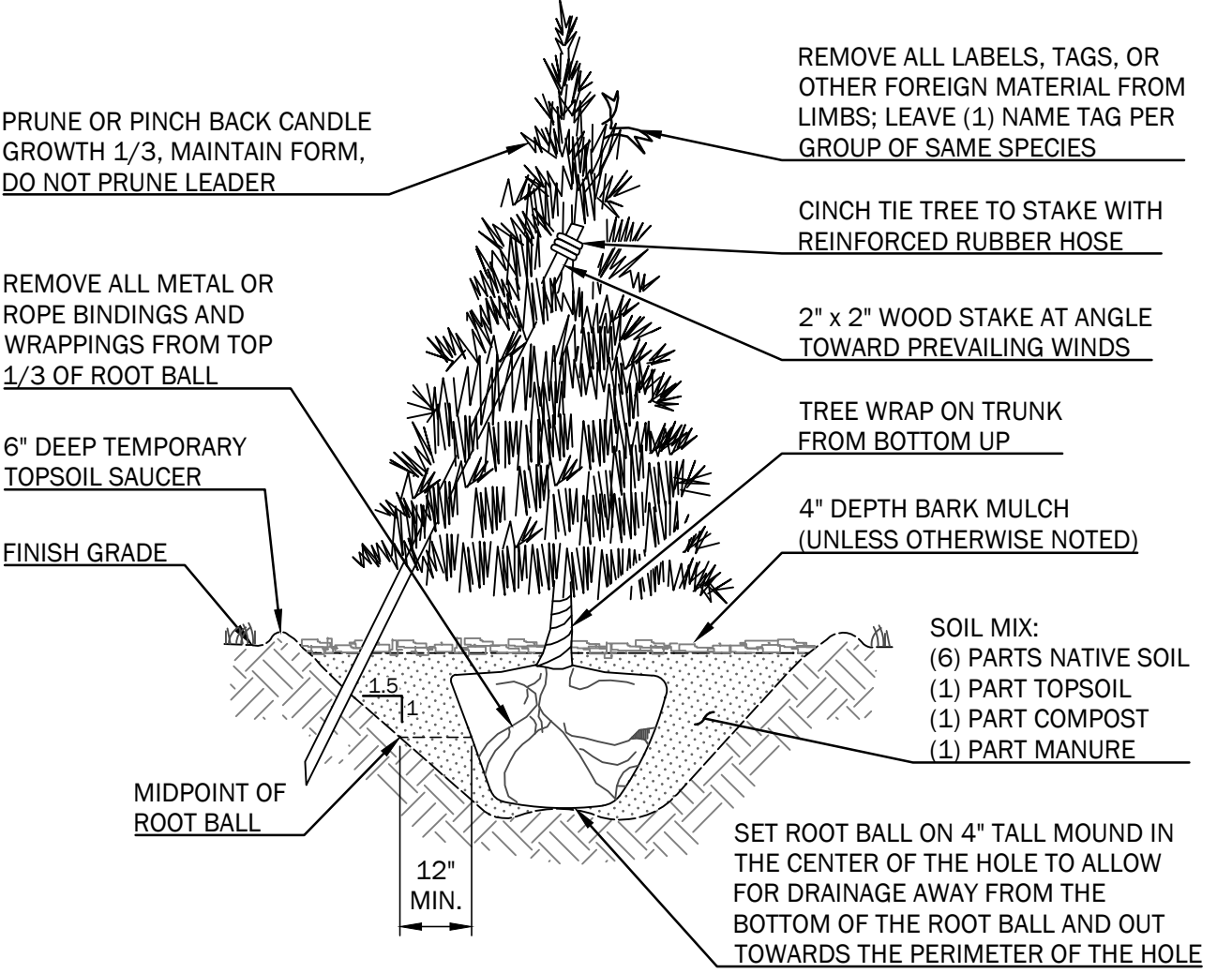
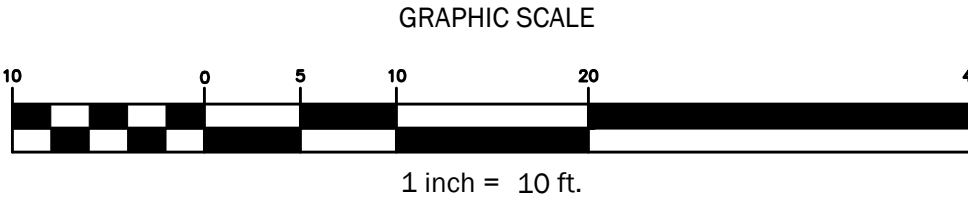
Sheet Title:
**Columbaria
Numbering Plan**

Job No.: 112.5 Sheet No.:
Date: JULY 12, 2024
Scale: AS SHOWN
Drawn: JDC
Checked: NGC

C2.3



Tree Planting Plan



Juniper Tree Planting Detail

NOT TO SCALE

ALTERNATE #1 REQUIREMENTS:

1. AFTER COLUMBARIA INSTALLATIONS AND FINAL GRADING, LAYOUT & STAKE TREE LOCATIONS.
2. INSTALL TREES AND BARKMULCH BY INSTALLATION.
3. LOAM & SEED AREAS DISTURBED BY INSTALLATION.
4. MONITOR TREE HEALTH FOR A TIME PERIOD AS SPECIFIED IN THE CONTRACT.

Alternate #1 - Tree Planting

ALTERNATE #2 REQUIREMENTS:

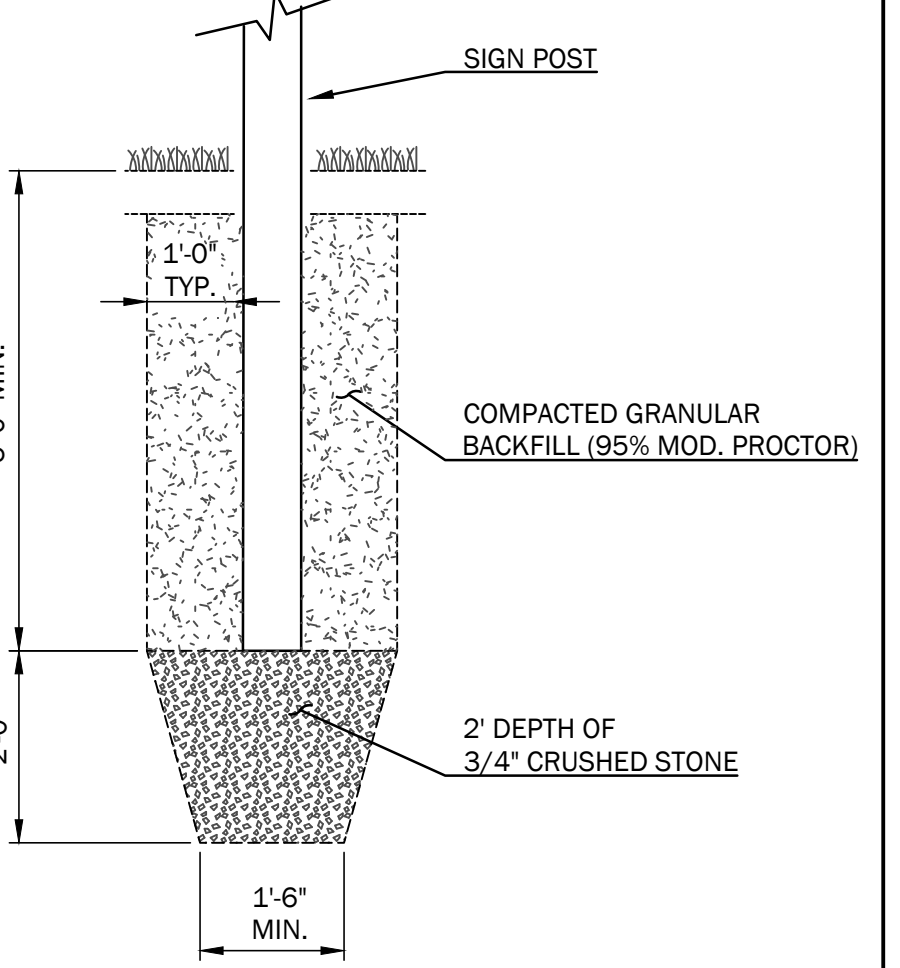
1. COORDINATE FOR PLAQUE TO BE CAST.
2. INSTALL SUPPORTS.
3. INSTALL PLAQUE.
4. LOAM & SEED AREAS DISTURBED BY INSTALLATION.



Installation Sample

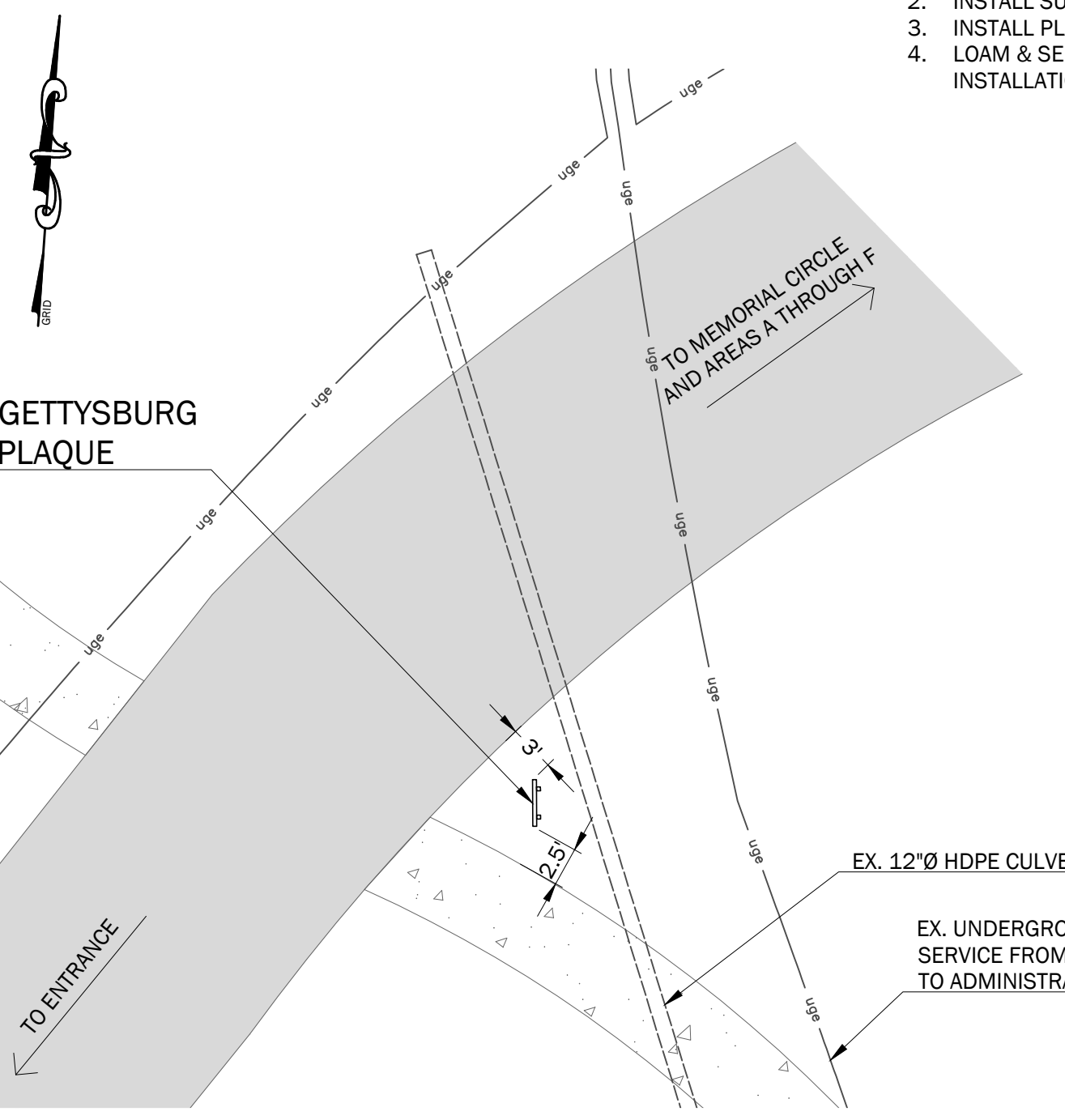
NOT TO SCALE

NOTE: PHOTOGRAPH IS A SAMPLE OF THE POST INSTALLATION ONLY. THE SIGN SHAPE AND DETAIL IS TO BE AS SHOWN IN THE PLAQUE DETAIL AT RIGHT.

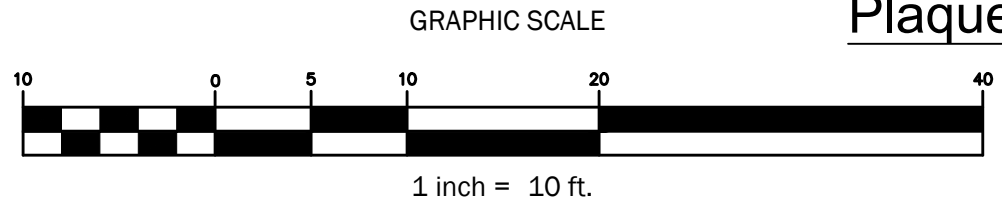


Sign Post Installation Detail

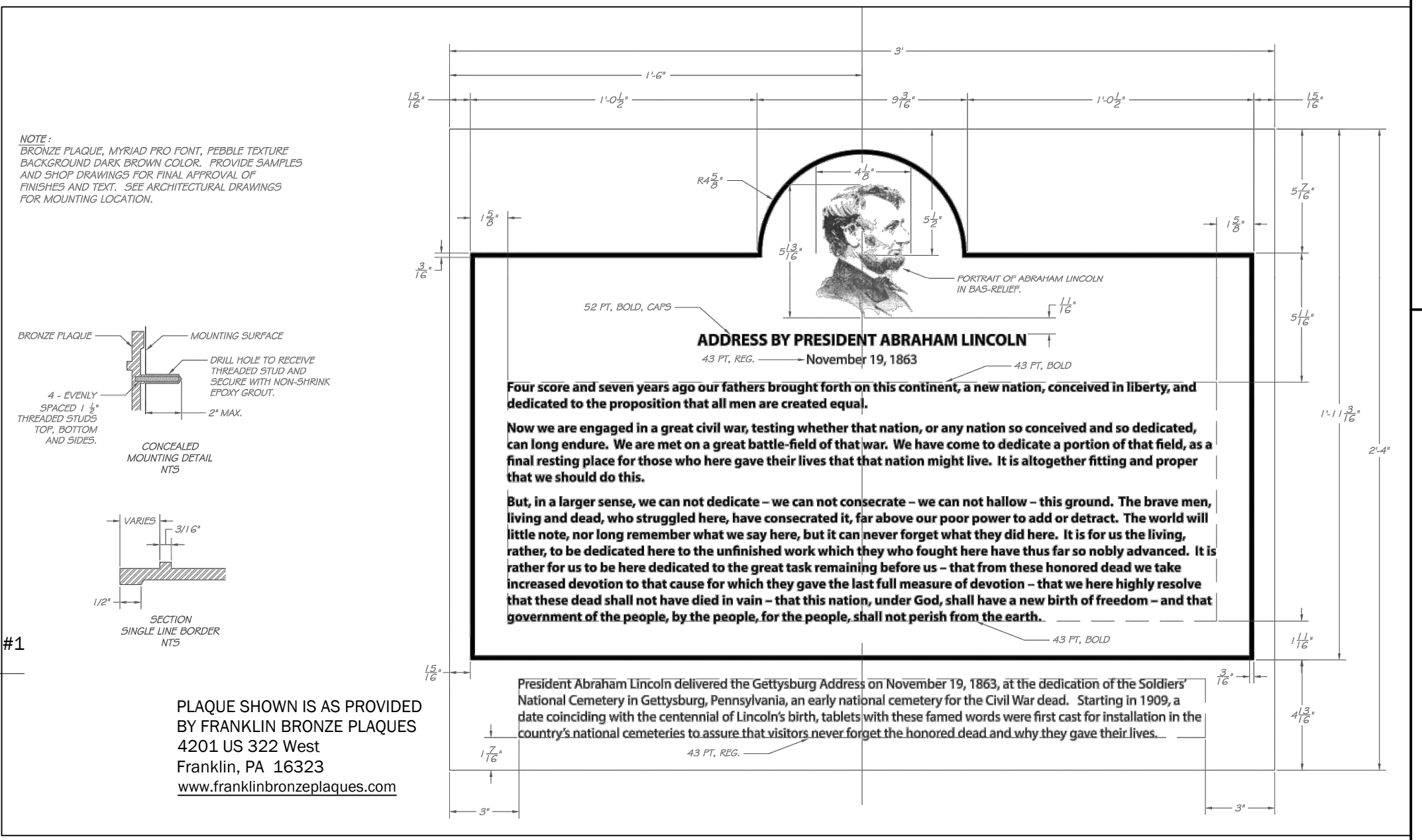
NOT TO SCALE



Plaque Location Plan



- GENERAL NOTES:
1. SEE SHEET C1.0 FOR
 - 1.1. GENERAL NOTES
 - 1.2. LAYOUT, MATERIALS AND UTILITY NOTES
 - 1.3. EXISTING UTILITY NOTES
 - 1.4. PLAN REFERENCES
 - 1.5. GRADING AND DRAINAGE NOTES
 - 1.6. EROSION CONTROL NOTES
 2. SEE SHEET C2.2 FOR LEGEND.



Plaque Detail

NOT TO SCALE

Alternate #2 - Gettysburg Plaque Installation

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STATE OF MAINE
WILLIAM R. WALSH, III
No. 8204
LICENSED PROFESSIONAL ENGINEER
12/2024

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Rev.	Date	Description	Drawn	Check

Sheet Title:
**Alternates #1 & #2
Plans and Details**

Job No.: 112.5
Date: JULY 12, 2024
Scale: AS SHOWN
Drawn: JDC
Checked: NGC

Sheet No.: **C2.4**

INTRODUCTION

THE FOLLOWING PLAN FOR CONTROLLING SEDIMENTATION AND EROSION IN THIS PROJECT IS BASED ON CONSERVATION PRACTICES FOUND IN THE MAINE EROSION & SEDIMENT CONTROL BMPs MANUAL, OCTOBER 2016, AND MAINE EROSION AND SEDIMENT CONTROL PRACTICE FIELD GUIDE FOR CONTRACTORS, REVISED 2014. MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE CONTRACTOR WHO IMPLEMENTS THIS PLAN SHALL BE FAMILIAR WITH THESE PUBLICATIONS AND ADHERE TO THEM AND THE PRACTICES PRESENTED HEREIN

REFERENCE IS MADE TO THE GRADING AND DRAINAGE PLANS WITHIN THE PLAN SET, SHOWING THE LOCATIONS AND TYPES OF PROPOSED MEASURES TO BE IMPLEMENTED.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

THE FOLLOWING IS A LIST OF GENERAL EROSION CONTROL PRACTICES THAT WILL BE USED TO PREVENT EROSION AND SEDIMENTATION BEFORE, DURING AND AFTER THE CONSTRUCTION OF THIS PROJECT. IN ADDITION, SPECIAL CARE SHALL BE USED AT ALL TIMES TO: LIMIT DISTURBANCE AND, HENCE, EROSION

- 1) CORRECT ANY EROSION PROBLEMS IMMEDIATELY
2) REGULARLY MONITOR THE IMPLEMENTED PRACTICES, ESPECIALLY AFTER EVERY RAINFALL
3) REVEGETATE DISTURBED AREAS AS SOON AS POSSIBLE AFTER CONSTRUCTION
4) CONFORM TO ALL REQUIREMENTS/STANDARDS OF THE SITE'S MAINE DEP EROSION & SEDIMENT CONTROL BMP MANUAL.

SILT FENCE AND/OR EROSION CONTROL MIX SEDIMENT BARRIERS

SILT FENCE AND/OR EROSION CONTROL MIX SEDIMENT BARRIERS WILL BE INSTALLED ALONG THE DOWN GRADIENT SIDE OF THE PROPOSED GROUND DISTURBANCE AREAS PRIOR TO ANY CONSTRUCTION ACTIVITIES WHERE SLOPES EXCEED 8% OR THERE IS FLOWING WATER BOTH SILT FENCE AND EROSION CONTROL MATTING BERMS SHALL BE USED.

CATCH BASIN PROTECTION

CATCH BASIN PROTECTION WILL BE INSTALLED AT THE FIRST DOWNGRADE CATCH BASIN IN STREET ADJACENT TO ANY CONSTRUCTION ACTIVITIES AND IN ALL ONSITE CATCH BASINS UNTIL SITE HAS BEEN COMPLETELY STABILIZED.

CONSTRUCTION PHASE

THE FOLLOWING GENERAL PRACTICES WILL BE IMPLEMENTED TO PREVENT EROSION DURING CONSTRUCTION ON THIS PROJECT:

- 1. EROSION AND SEDIMENTATION CONTROL BMPs SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK ACTIVITIES.
2. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION.
3. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING SHALL BE INSTALLED ON DOWNGRADE PORTIONS OF THE SITE AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION.
4. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM EXISTING DRAINAGE AREAS AND WETLANDS.
5. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 7 DAYS SHALL BE:
A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
B. SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
6. APPLICATION RATE MUST BE 2 BALES (70-90 LBS.) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALES) PER ACRE TO COVER 75 TO 90% OF THE GROUND SURFACE.
7. CONSTRUCTION TRAFFIC WILL BE DIRECTED OVER THE EXISTING SITE ENTRANCE. THE ROAD SHALL BE SWEEPED AND VACUUMED DAILY SHOULD SEDIMENT BE TRACKED ONTO IT.
8. ALL AREAS DRAINING TO A STORMWATER FILTER OR BMP SHALL BE STABILIZED PRIOR TO CONSTRUCTION OF FILTER MEDIA TO PREVENT SEDIMENT FROM CLOGGING MEDIA.

DEWATERING

- 1. ALL DEWATERING DISCHARGE LOCATIONS SHALL BE LOCATED ON RELATIVELY FLAT GROUND AT LEAST 75' FROM STREAMS AND 25' FROM WETLANDS. THE CONTRACTOR SHALL UTILIZE DIRTBAGS, EROSION CONTROL MIX BERMS, OR SIMILAR METHODS FOR FILTRATION OF DEWATERING AND SHALL CONFORM TO THE MAINE EROSION AND SEDIMENT CONTROL BMPs G-1, G-2, AND G-3.

POST CONSTRUCTION REVEGETATION

THE FOLLOWING GENERAL PRACTICES WILL BE IMPLEMENTED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING:

- 1. A MINIMUM OF 6" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE.
2. LAWN AREAS: "PARK MIX" GRASS SEED BY ALLEN, STERLING & LOTHROP (FALMOUTH, MAINE), OR APPROVED EQUAL.
3. MULCH SHALL BE HAY OR STRAW MULCHES THAT ARE DRY AND FREE FROM UNDESIRABLE SEEDS AND COURSE MATERIALS.
A. APPLICATION RATE MUST BE 2 BALES (70-90 LBS.) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALES) PER ACRE TO COVER 75 TO 90% OF THE GROUND SURFACE.
B. DRIVE OVER WITH TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
C. BLANKET WITH TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING ON GRADES GREATER THAN 5%.
4. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF ASPHALT, WOOD FIBRE OR PAPER FIBRE AND WATER, WHICH IS SPRAYED OVER A SEEDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 10/1 AND 4/15.
5. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN OCTOBER 1ST AND APRIL 15TH. SHOULD SEEDING BE NECESSARY BETWEEN THESE DATES, THE FOLLOWING PROCEDURE SHALL BE FOLLOWED:
A. ONLY UNFROZEN LOAM SHALL BE USED.
B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.25 LBS./1000 S.F.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.5 LBS./1000 S.F.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
E. FERTILIZING, SEEDING AND MULCHING SHALL BE DONE ON LOAM THE DAY THE LOAM IS SPREAD.
F. HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE. WINTER MULCHING RATES, SHALL BE DOUBLE AS SPECIFIED ABOVE IN SUBSECTION 3.A OF THE "POST CONSTRUCTION REVEGETATION" SECTION, SHOULD BE APPLIED DURING THIS PERIOD.
6. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 90% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE DESIGN PROFESSIONAL THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL, AND AT LEAST ONCE A WEEK, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

- 1. SILT FENCE SHALL BE INSPECTED AND REPAIRED. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING.
2. CONSTRUCTION ENTRANCE SHALL BE VISUALLY INSPECTED AND REPAIRED AS NEEDED. ANY AREAS SUBJECT TO RUTTING SHALL BE STABILIZED IMMEDIATELY. IF THE VOIDS OF THE CONSTRUCTION ENTRANCE BECOME FILLED WITH MUD, MORE CRUSHED STONE SHALL BE ADDED AS NEEDED. THE PUBLIC ROADWAY SHALL BE SWEEPED AND VACUUMED SHOULD MUD BE DEPOSITED/TRACKED ONTO THEM.

STANDARDS FOR STABILIZING SITES FOR THE WINTER

THE FOLLOWING STANDARDS AND METHODOLOGIES SHALL BE USED FOR STABILIZING THE SITE DURING THE WINTER CONSTRUCTION PERIOD:

- 1. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS (ANY AREA HAVING A GRADE GREATER THAN 25%) - THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15TH. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15TH, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.
A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS: BY OCTOBER 1ST THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED HAY MULCH OVER THE SEEDING AT TWICE THE RATE AS SPECIFIED ABOVE IN SUBSECTION 3.A OF THE "POST CONSTRUCTION REVEGETATION" SECTION. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS.
B. STABILIZE THE SLOPE WITH WOOD-WASTE COMPOST: THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF WOOD-WASTE COMPOST ON THE SLOPE BY NOVEMBER 15TH. THE CONTRACTOR WILL NOT USE WOOD-WASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

- C. STABILIZE THE SLOPE WITH STONE RIPRAP: THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15TH. THE DEVELOPER'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.
2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS - BY SEPTEMBER 15TH THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON THE SITE. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.
A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION: BY OCTOBER 1ST THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDS WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS.
B. STABILIZE THE SOIL WITH SOD: THE CONTRACTOR WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1ST. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
C. STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15TH THE CONTRACTOR WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, THE CONTRACTOR WILL ANCHOR THE MULCH WITH NETTING OR OTHER METHOD TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

EROSION CONTROL REMOVAL

AN AREA IS CONSIDERED STABLE IF IT IS PAVED OR IF 90% GROWTH OF PLANTED SEEDS IS ESTABLISHED. ONCE AN AREA IS CONSIDERED STABLE, THE EROSION CONTROL MEASURES CAN BE REMOVED AS FOLLOWS:

- 1. SILT FENCE: SILT FENCE SHALL BE DISPOSED OF LEGALLY AND PROPERLY OFF-SITE. ALL SEDIMENT TRAPPED BEHIND THESE CONTROLS SHALL BE DISTRIBUTED TO AN AREA UNDERGOING FINAL GRADING OR REMOVED AND RELOCATED OFF-SITE.
2. STABILIZED CONSTRUCTION ENTRANCE: THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED ONCE THE COMPACTED ROADWAY BASE IS IN PLACE. STONE AND SEDIMENT FROM THE CONSTRUCTION ENTRANCE SHALL BE REDISTRIBUTED TO AN AREA UNDERGOING GRADING OR REMOVED AND RELOCATED OFFSITE.
3. MISCELLANEOUS: ONCE ALL THE TRAPPED SEDIMENTS HAVE BEEN REMOVED FROM THE TEMPORARY SEDIMENTATION DEVICES THE DISTURBED AREAS MUST BE REGRADED IN AN AESTHETIC MANNER TO CONFORM TO THE SURROUNDING TOPOGRAPHY. ONCE GRADED THESE DISTURBED AREAS MUST BE LOAMED (IF NECESSARY), FERTILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE RATES PREVIOUSLY STATED.

THE ABOVE EROSION CONTROLS MUST BE REMOVED WITHIN 30 DAYS OF FINAL STABILIZATION OF THE SITE. CONFORMANCE WITH THIS PLAN AND FOLLOWING THESE PRACTICES WILL RESULT IN A PROJECT THAT COMPLIES WITH THE STATE REGULATIONS AND THE STANDARDS OF THE NATURAL RESOURCES PROTECTION ACT, AND WILL PROTECT WATER QUALITY IN AREAS DOWNSTREAM FROM THE PROJECT.

MAINE CONSTRUCTION GENERAL PERMIT REQUIRED

SUBMISSION OF A MAINE CONSTRUCTION GENERAL PERMIT (MCGP) IS REQUIRED PRIOR TO COMMENCEMENT OF ANY EXCAVATION ACTIVITIES.

INSPECTION AND MAINTENANCE (APPENDIX B)

- 1. INSPECTION AND MAINTENANCE REQUIREMENTS: INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION AND STORMWATER CONTROL MEASURES, AREAS USED FOR STORAGE THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK, AS WELL AS BEFORE AND AFTER A SIGNIFICANT STORM EVENT (0.5 INCHES OF RAINFALL IN A 24-HOUR PERIOD) AND PRIOR TO COMPLETION OF PERMANENT STABILIZATION MEASURES.
2. INSPECTION LOG (REPORT): A LOG (REPORT) MUST BE KEPT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF THE PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, AND MAJOR OBSERVATIONS RELATING TO OPERATION OF EROSION AND SEDIMENTATION CONTROLS AND POLLUTION PREVENTION MEASURES.
HOUSEKEEPING (APPENDIX C)
1. SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER.

HOUSEKEEPING (APPENDIX C)

- 1. SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

NOTE: ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE DEPARTMENT. FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE DEPARTMENT'S WEBSITE AT: HTTP://WWW.MAINE.GOV/DEP/SPILLS/EMERSPILLS.PDF

- 2. GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

NOTE: LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPs) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY 38 M.R.S.A. §465-G(1).

- 3. FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT.
5. EXCAVATION DEWATERING: EXCAVATION DEWATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION.

NOTE: DEWATERING A STREAM WITHOUT A PERMIT FROM THE DEPARTMENT MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

- 6. AUTHORIZED NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE.

NOTE: DEWATERING CONTROLS ARE DISCUSSED IN THE "MAINE EROSION AND SEDIMENT CONTROL BMPs, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION."

- 7. UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENTS APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
• WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
• FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
• SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
• TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

- 8. ADDITIONAL REQUIREMENTS: ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.

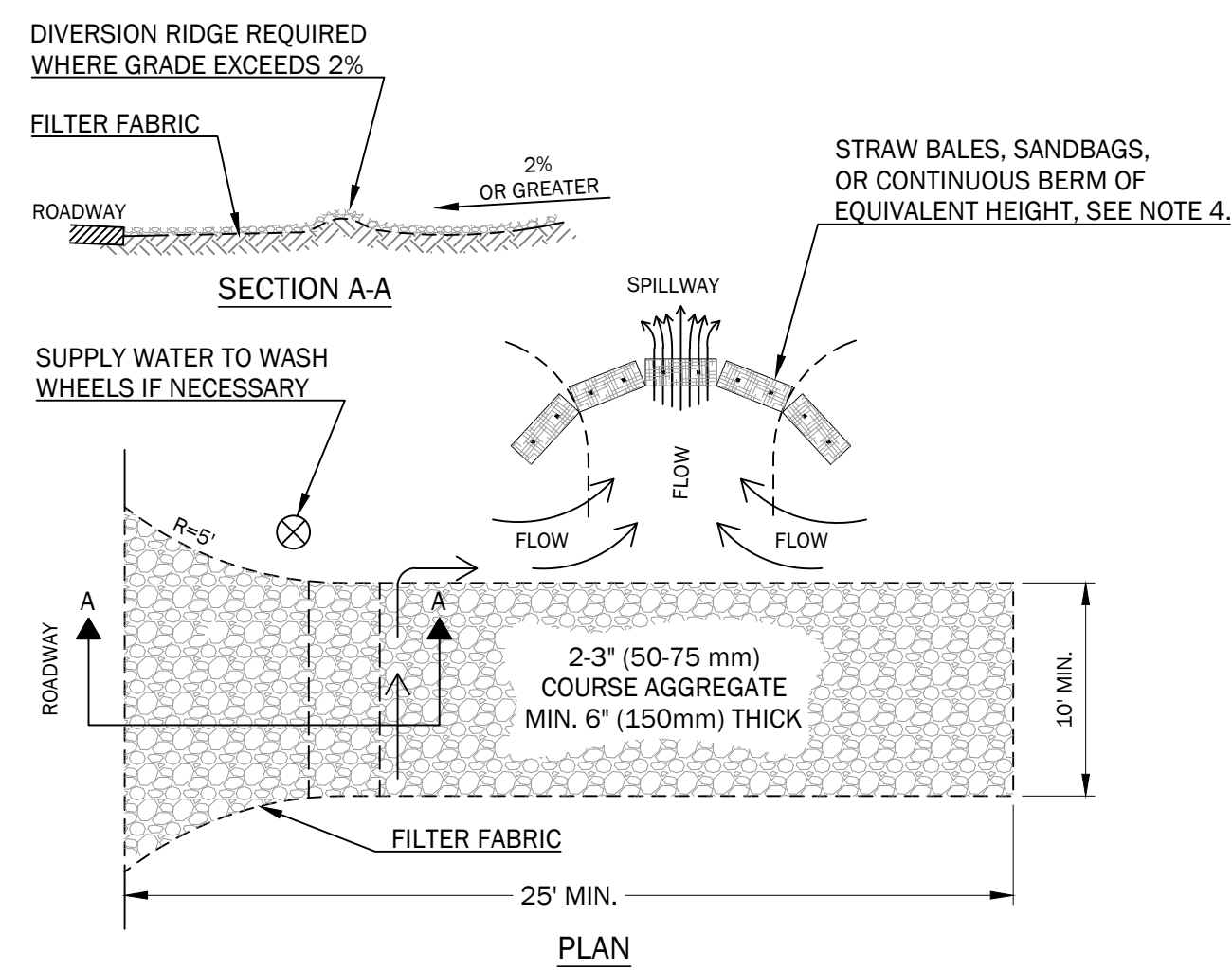
- DISCHARGES FROM FIREFIGHTING ACTIVITY;
• FIRE HYDRANT FLUSHINGS;
• VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE, AND TRANSMISSION WASHING IS PROHIBITED);
• DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX C(1)(3);
• ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
• PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
• UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
• UNCONTAMINATED GROUNDWATER OR SPRING WATER;
• FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
• UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));
• POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
• LANDSCAPE IRRIGATION

NOTE: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENTS APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

- WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
• FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
• SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
• TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

1 EROSION AND SEDIMENTATION CONTROL NOTES

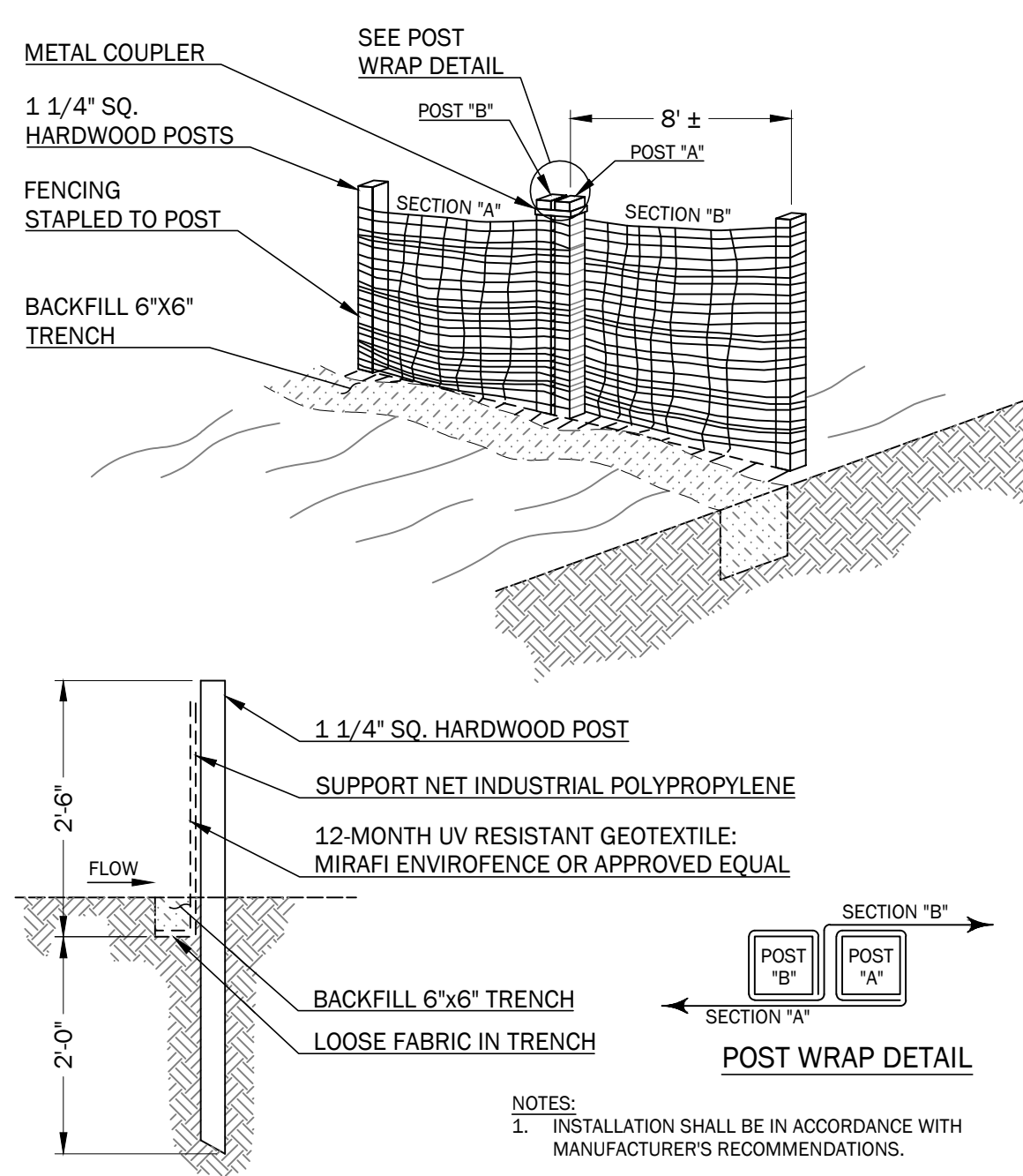
NOT TO SCALE



- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS ONTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED

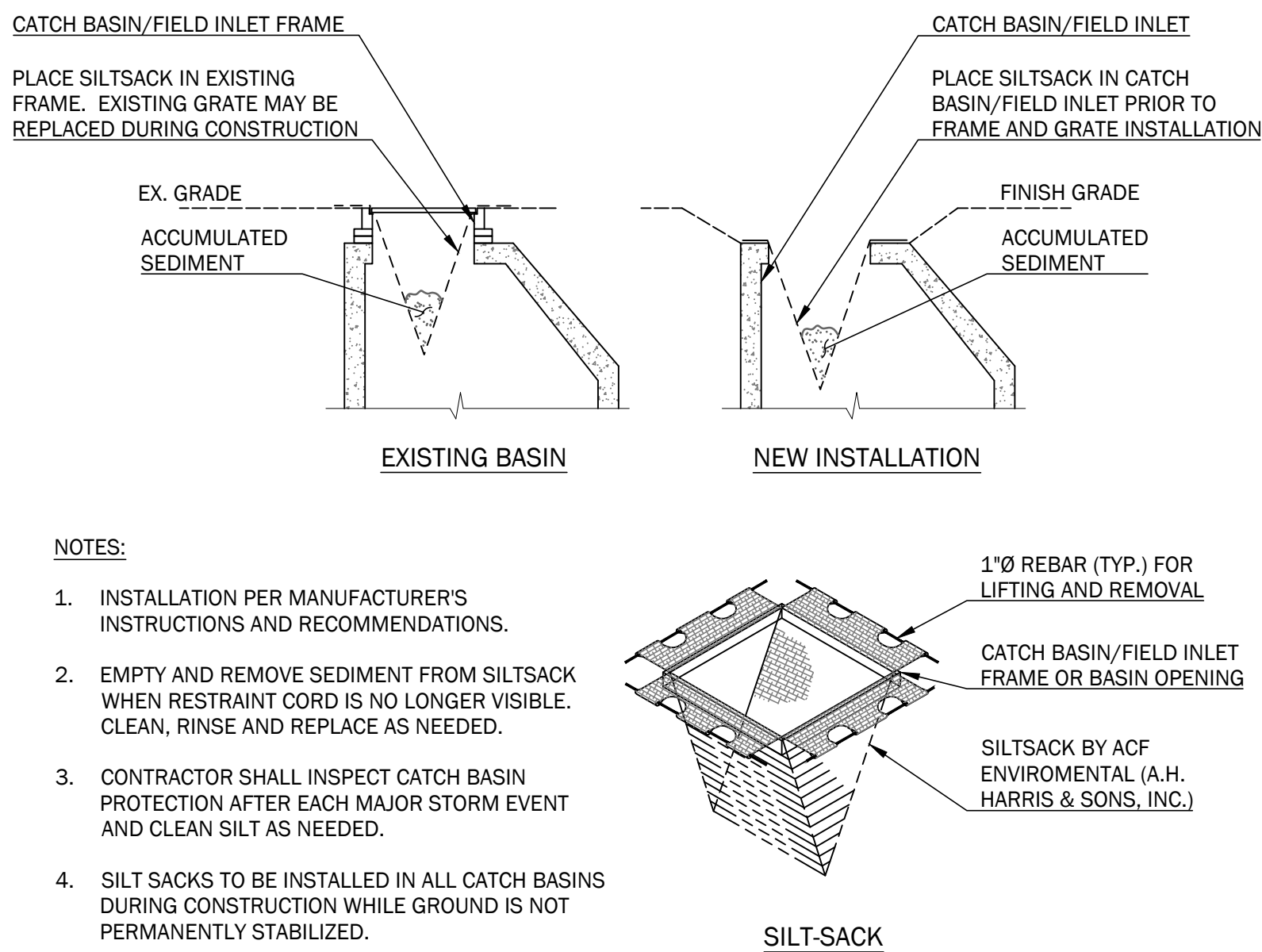
2 STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



3 PREFABRICATED SILT FENCE

NOT TO SCALE



4 CATCH BASIN INLET PROTECTION DETAILS

NOT TO SCALE

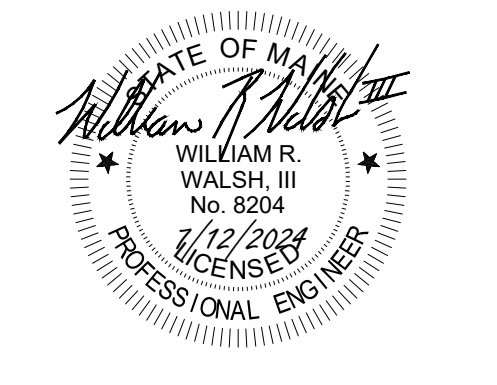
5 CONSTRUCTION FENCE DETAIL

NOT TO SCALE

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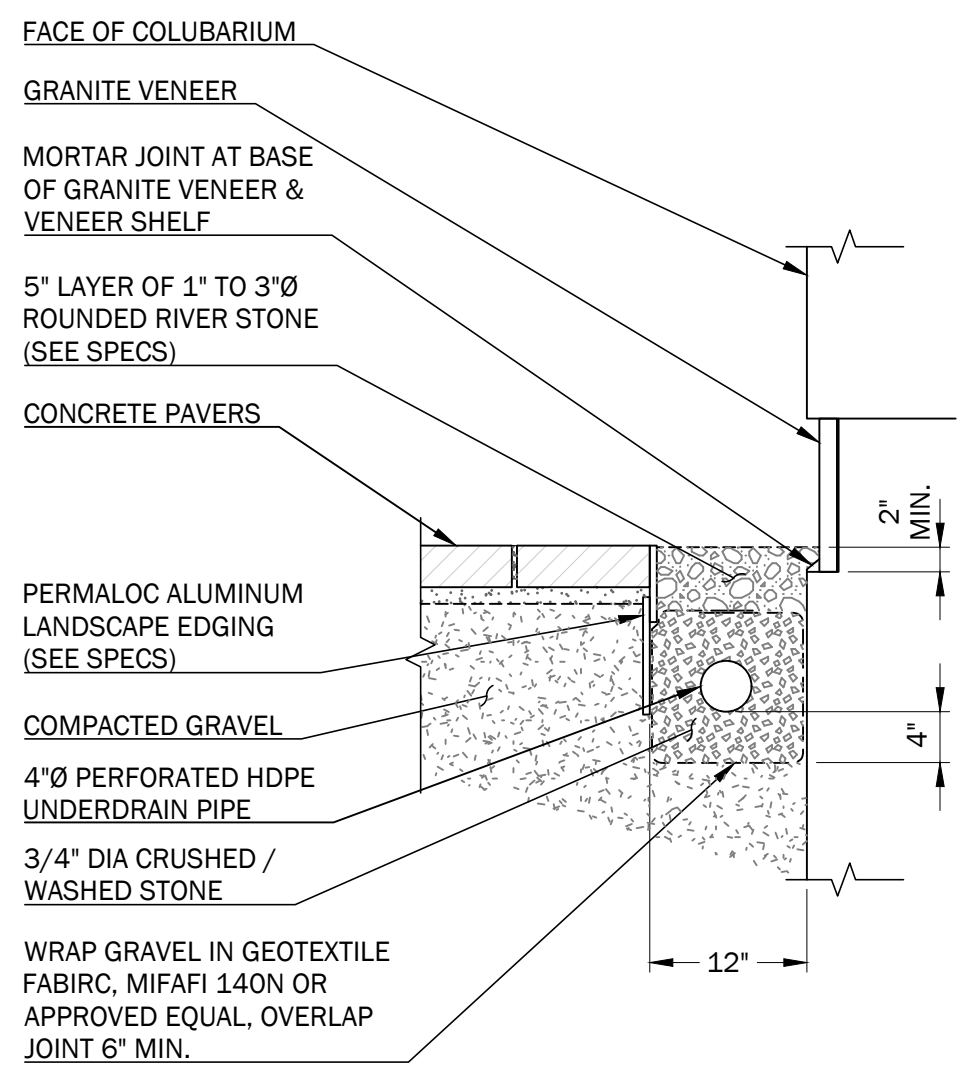
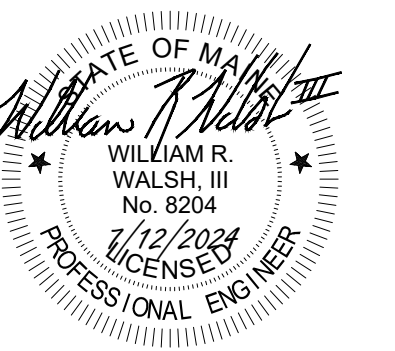


2024 Columbaria Wall Expansion at Northern Maine Veterans' Cemetery, 37 Lombard Road, Caribou, Maine
Maine Department of Defense, Veterans & Emergency Management Bureau of Veterans' Services
National Cemetery Administration Project #FAI ME-23-23 Bureau of General Services Project Number #3742

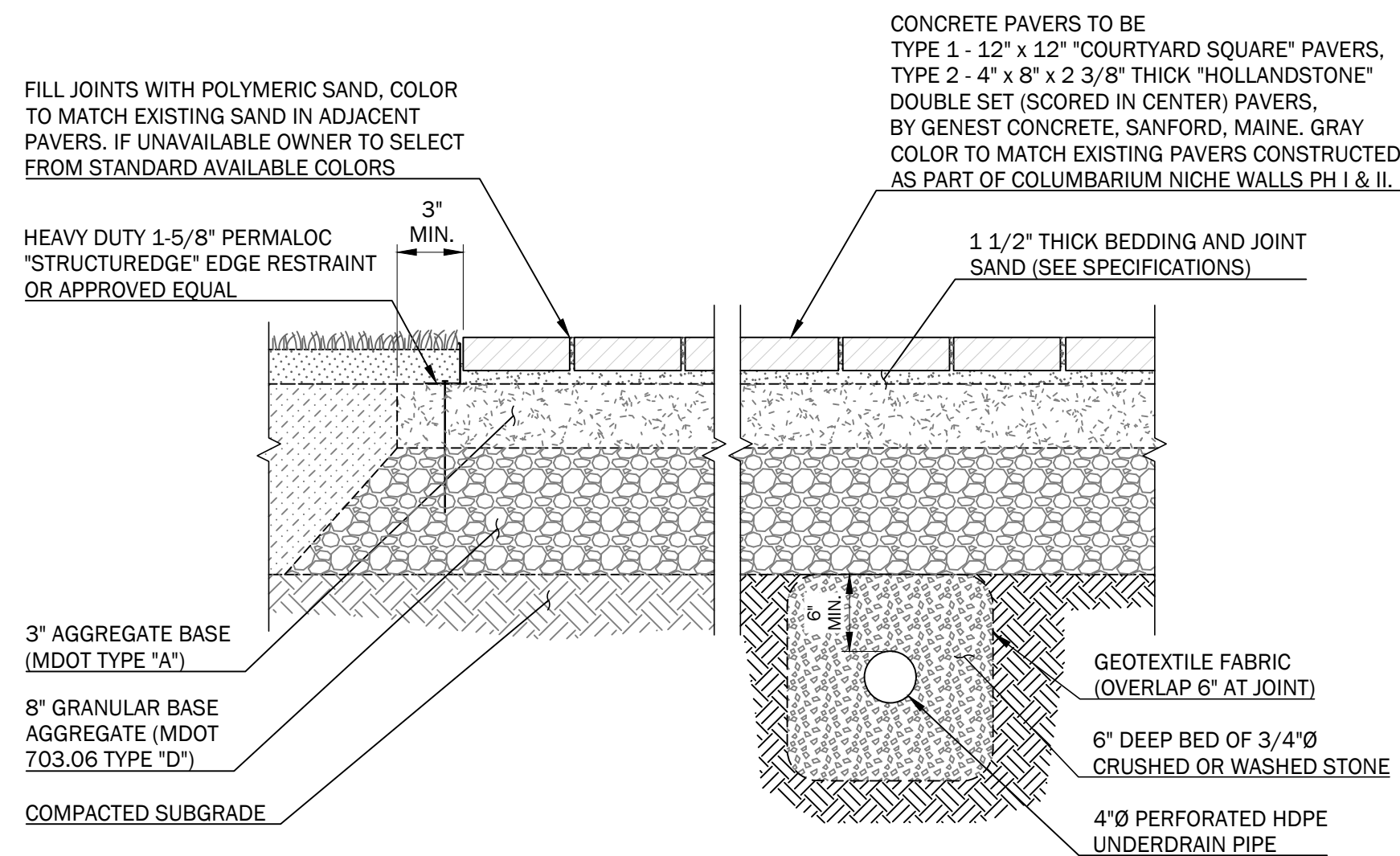
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Sheet Title: Site Details

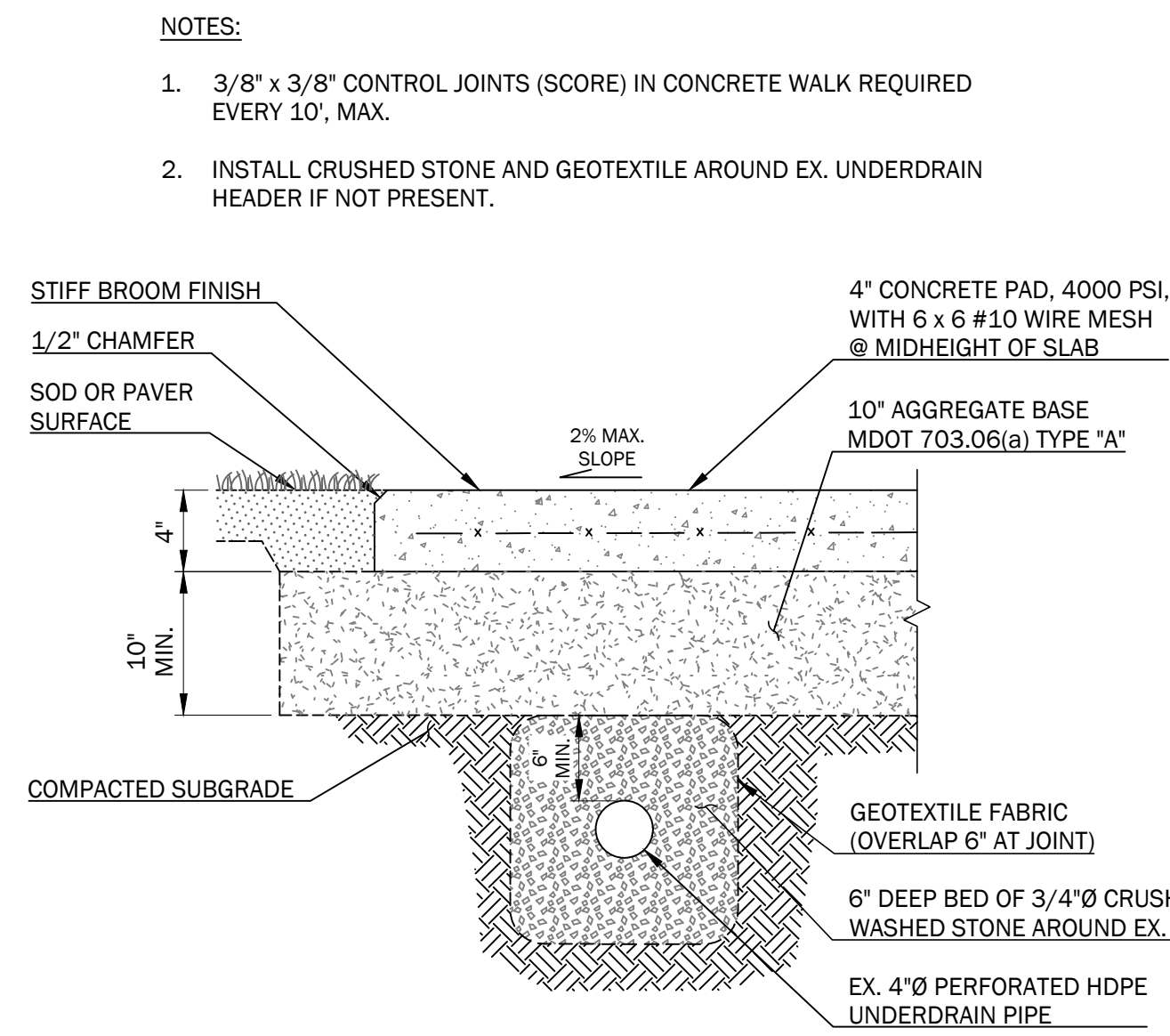
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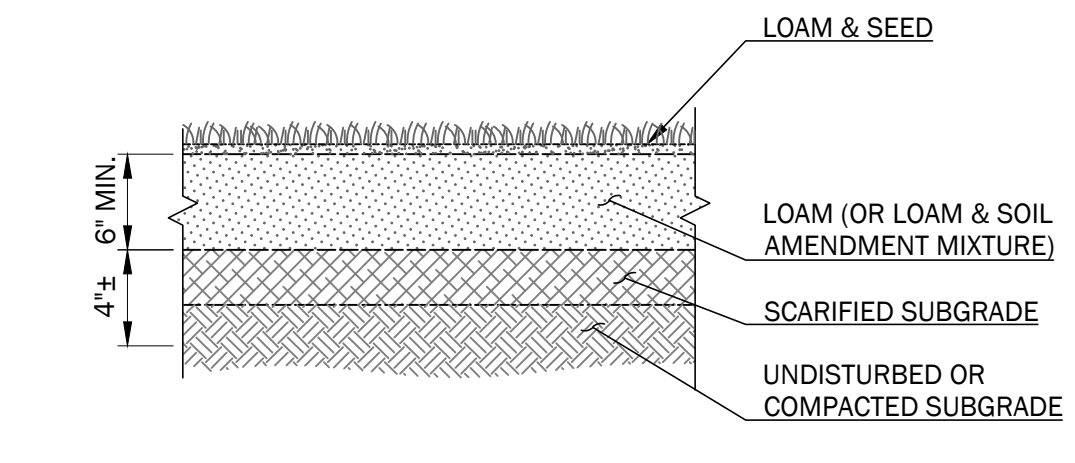
1 DRIPSTRIP AT COLUMBARIUM DETAIL
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 C2.2



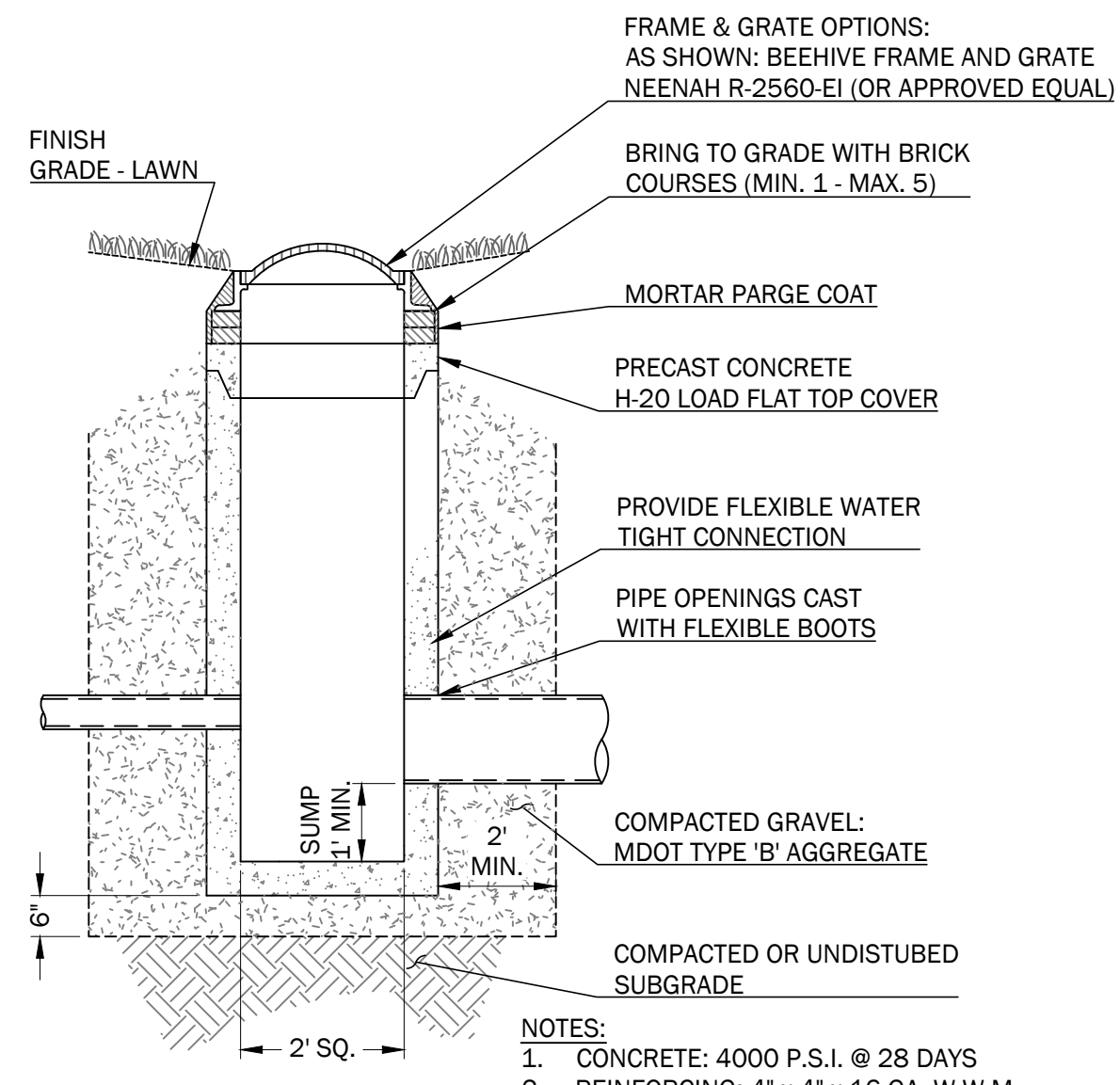
2 PRECAST CONCRETE PAVERS DETAIL
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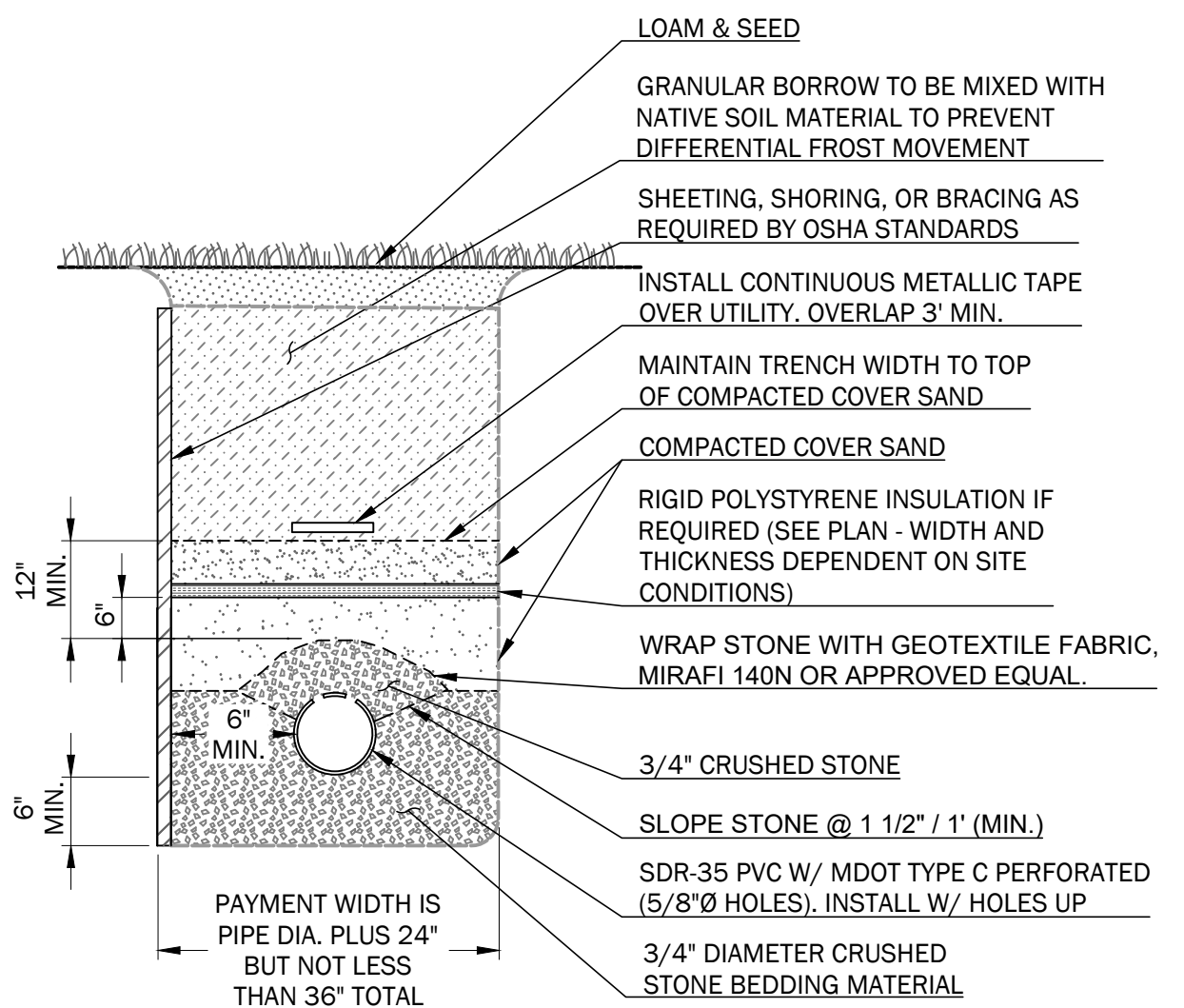
3 CONCRETE WALK PAD SECTION
 C2.1 NOT TO SCALE
 C2.2



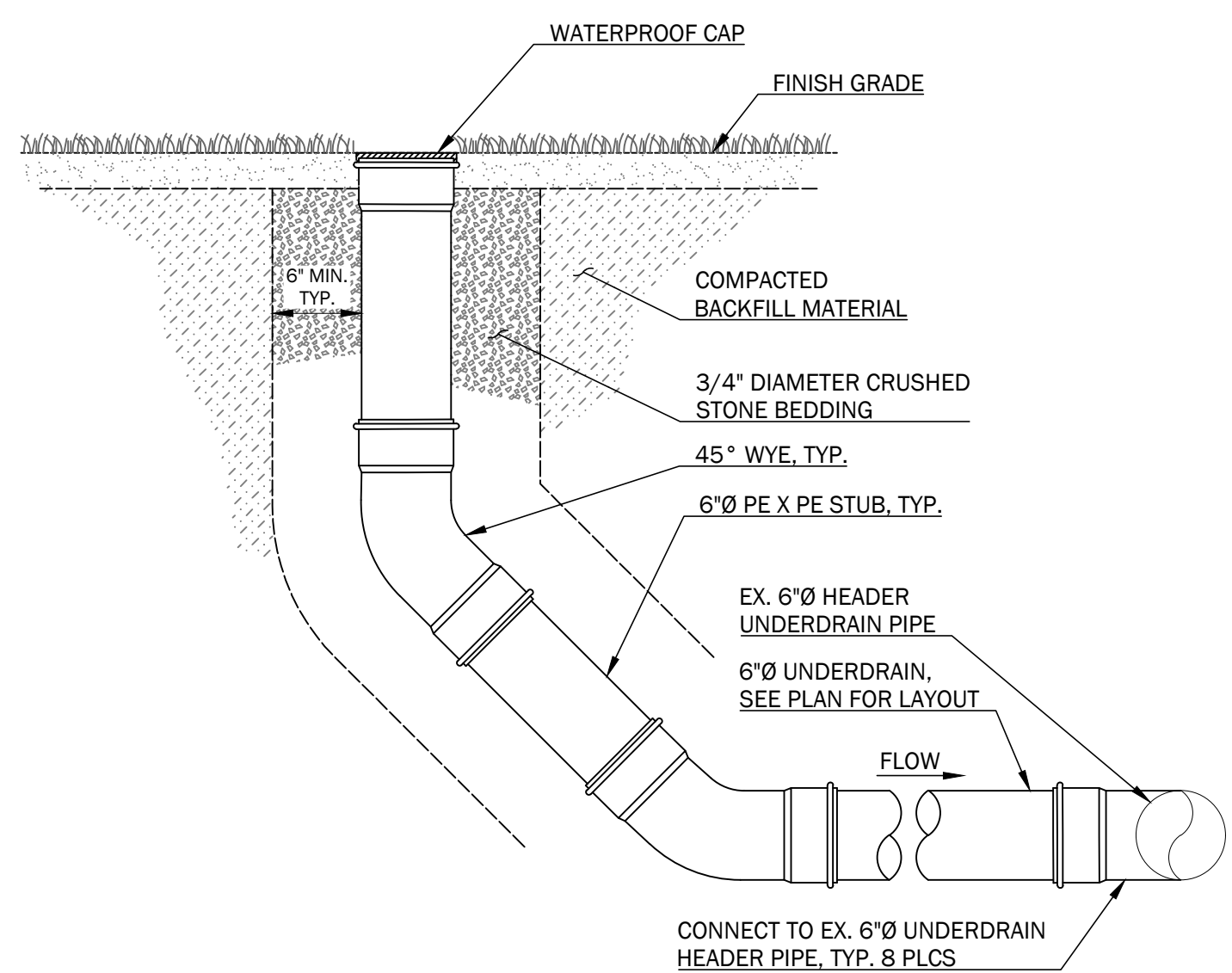
4 LAWN RESTORATION SECTION
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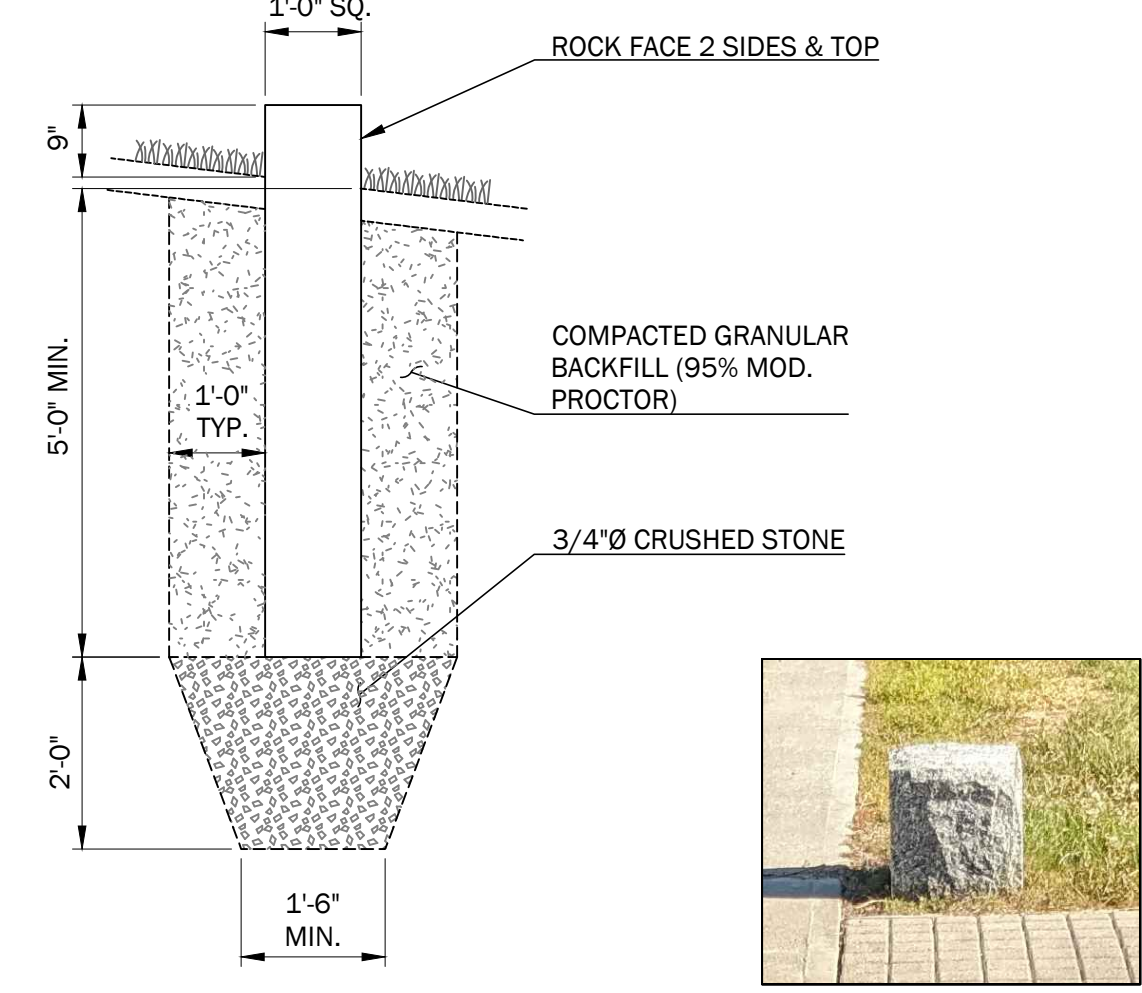
5 ROUND CONCRETE FIELD INLET DETAIL
 C2.2 NOT TO SCALE



6 TYPICAL TYPE "C" PIPE TRENCH DETAIL
 C2.2 NOT TO SCALE



7 UNDERDRAIN CLEANOUT AT LAWN DETAIL
 C2.2 NOT TO SCALE



8 GRANITE BOLLARD DETAIL
 C2.1 NOT TO SCALE
 C2.2



2024 Columbaria Wall Expansion

at
 Northern Maine Veterans' Cemetery, 37 Lombard Road, Caribou, Maine
 Maine Department of Defense, Veterans & Emergency Management
 Bureau of Veterans' Services
 National Cemetery Administration Project #FAI ME-23-23
 Bureau of General Services Project Number #3742

Rev.	Date	Description	Drawn	Check

GENERAL NOTES

- The notes on these drawings are not intended to replace specifications. See specifications for requirements in addition to general notes. Inconsistencies between these drawings and the specifications shall be brought to the attention of the architect/engineer prior to proceeding with the affected portion of the work.
- Consult architectural and site drawings for locations and dimensions of openings, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
- All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the architect/engineer before proceeding with the affected part of the work.
- The Contractor is responsible for the stability of the structure during all phases of erection and construction.
- Details shown as "Typical" apply to all similar conditions.

FOUNDATION NOTES

- Foundations shall bear on minimum 6" compacted crushed stone overlaying non-woven geotextile filter fabric on undisturbed soils having a minimum allowable bearing capacity of 3,000 psf as described in the geotechnical report dated February 15, 2015 by SW Cole.
- The bottom of all exterior footings shall be at least 84 inches below grade.
- All pavement, existing foundations and uncontrolled granular fill should be removed from the area of the planned construction to at least 4 feet beyond the footing limit.
- Compacted structural fill shall be used to backfill to the design footing subgrade and beneath all slabs on grade. Structural fill shall be governed by the specifications of the geotechnical report.
- Structural fill shall be placed in uniform lifts not exceeding 8 inches in loose thickness and be compacted per ASTM D-1557, modified proctor test.
- Slope footing excavations as required for stability and safety per OSHA requirements.

SUBMITTALS

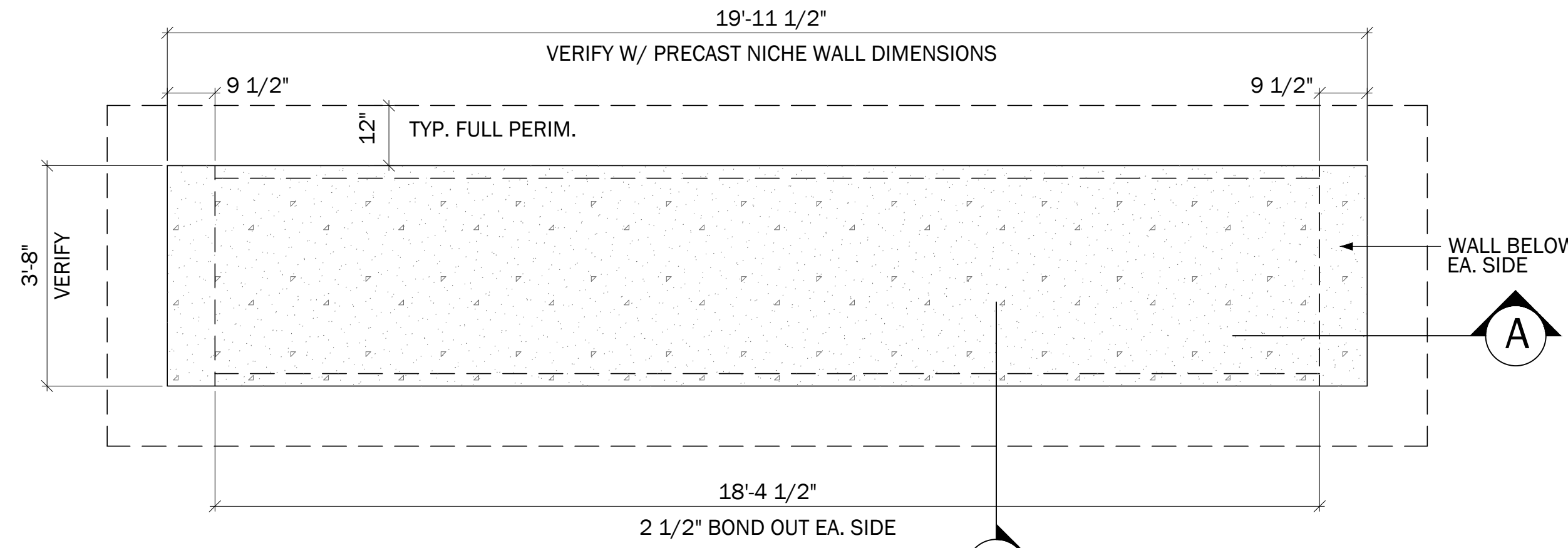
- The Contractor shall submit complete shop drawings per the specifications, including: Concrete Mix Design & Concrete Reinforcing.

TESTING

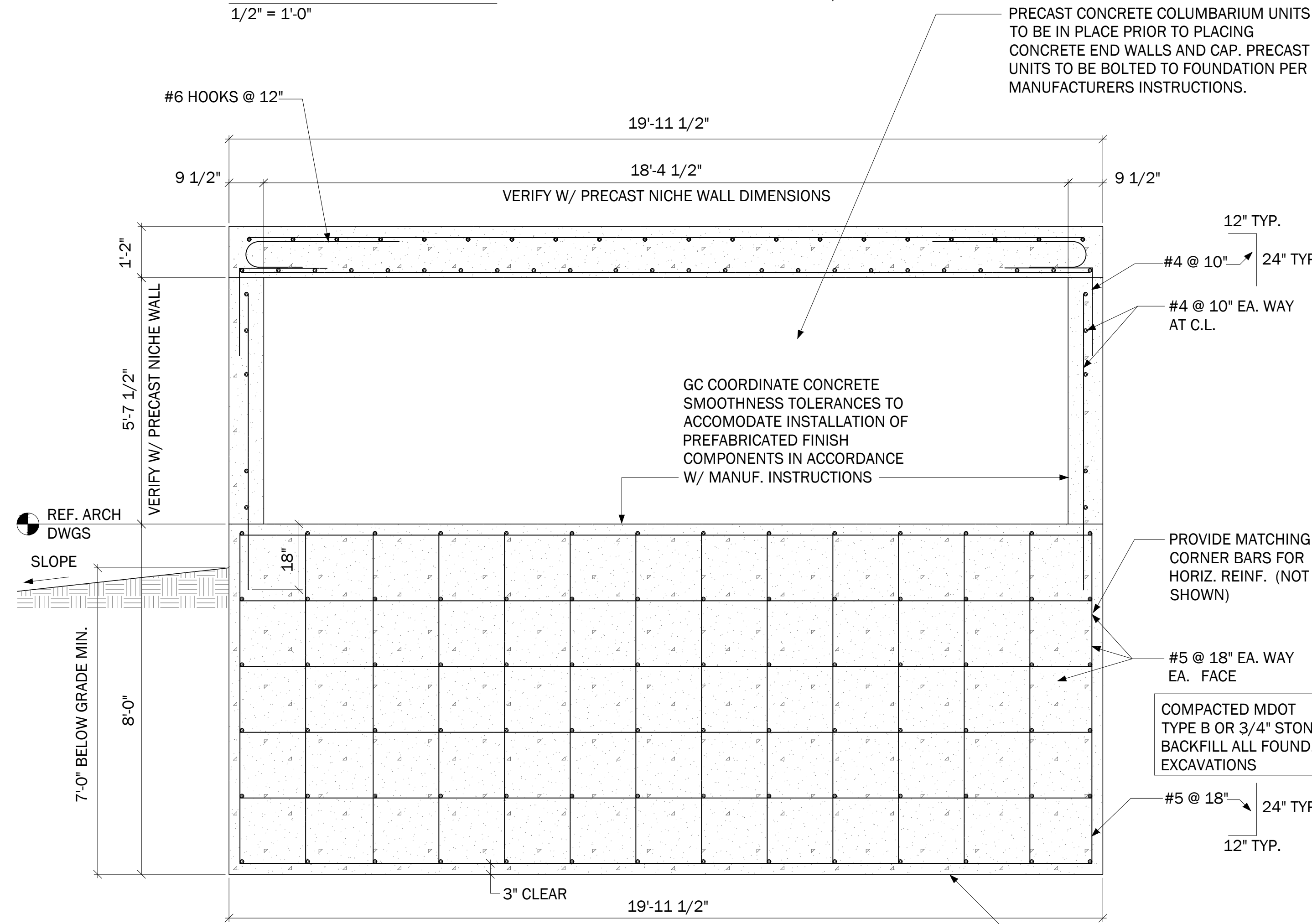
- The Owner shall engage a qualified testing agency to conduct periodic tests to confirm construction is in accordance with the drawings and specifications. Test reports shall be submitted to the architect/engineer including:
 - Structural Fill Gradation & Compaction
 - Concrete Slump, Temperature & Air Content at point of placement
 - Concrete Compression Tests

REINFORCED CONCRETE

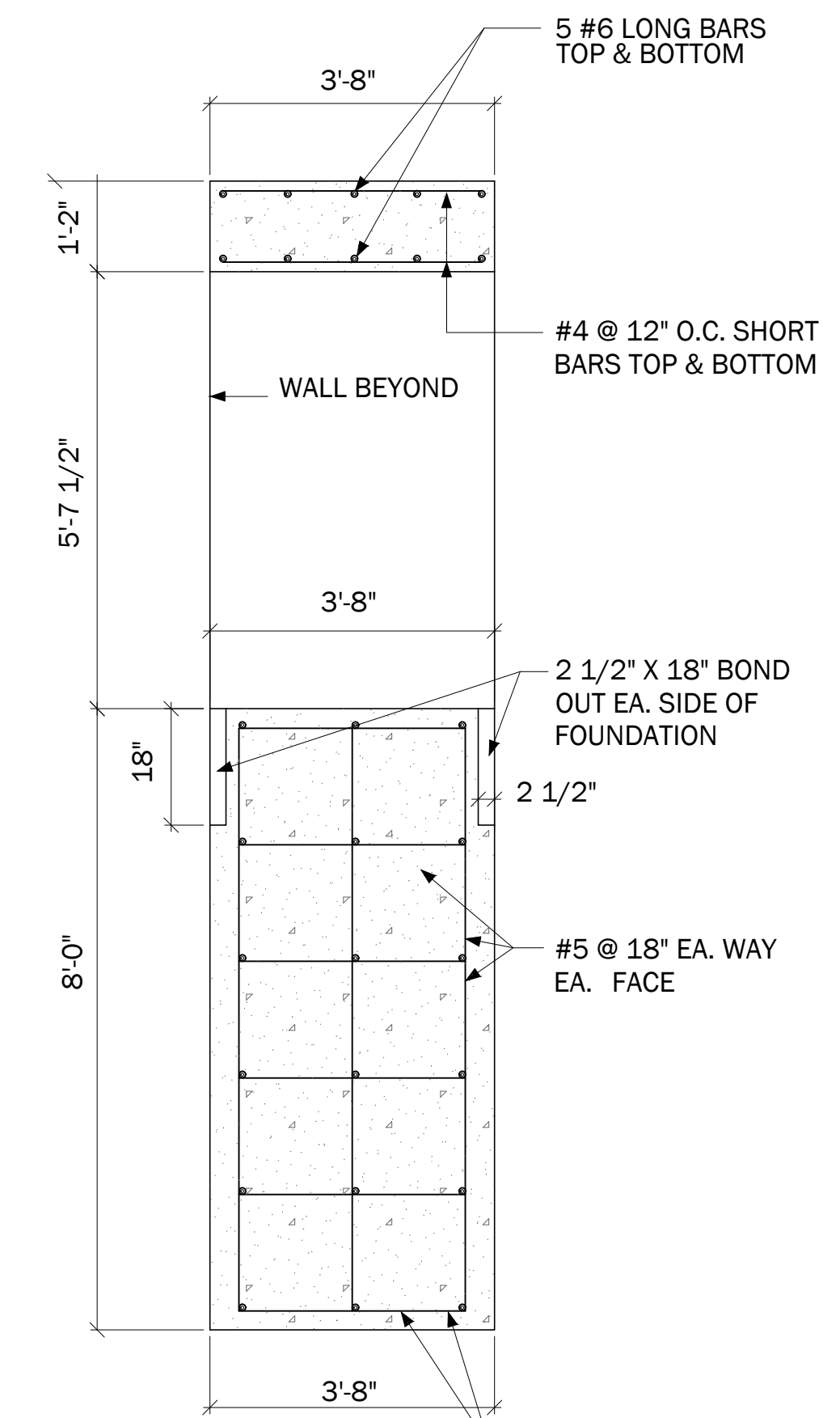
- Concrete work shall conform to the latest editions of the following:
 - ACI 301 Specification for Structural Concrete
 - ACI 304 Guide for measuring mixing, transportation and placing concrete.
 - ACI 305 Hot Weather Concreting.
 - ACI 306 Cold Weather Concreting.
 - ACI 318 Building Code Requirements for Reinforced Concrete.
- Cement - ASTM C150, Type I or Type 2.
- Concrete for footing and foundation walls shall have a minimum 28 day compressive strength of 3,000 psi and the water cement ratio shall not exceed 0.50.
- Slump shall not exceed 5" +/- per ASTM C143 unless an approved water reducing admixture is used.
- Concrete shall not be placed in water or on frozen ground.
- Deposit concrete in forms in horizontal layers not deeper than 18 inches and in a manner to avoid inclined construction joints. Where placement consists of several layers, place each layer while the preceding layer is still plastic to avoid construction joints
- Reinforcing bars shall conform to ASTM A615 with 60,000 psi yield strength with minimum anchorage and splice requirements for reinforcing in accordance with the latest edition of ACI318.
- Minimum concrete protective covering for reinforcement, unless noted otherwise shall be as follows:
 - Footings: 3 inches
 - Foundation Walls: 2 inches
- Reinforcement shall be continuous around corners and at intersections. Provide lapped bars at necessary splices or hooked bars at discontinuous ends. Provide class B tension lap splices for all reinforcing unless otherwise shown on plan.
- Welding of reinforcement is not permitted.
- Provide additional reinforcement around concrete opening as shown on the typical details.
- Tie holes, bug holes, voids and surface irregularities larger than 1/2 inch diameter or deeper than 1/8 inch, or both, must be repaired with a lean concrete mix of grout. GC coordinate concrete smoothness tolerances to accommodate installation of prefabricated finish components in accordance with manufacturer's instructions.



PLAN VIEW
1/2" = 1'-0"



SECTION - A
1/2" = 1'-0"



SECTION - B
1/2" = 1'-0"

NOTE: GC COORDINATE FOUNDATION DIMENSIONS AND CONSTRUCTION TOLERANCES WITH ALL PREFABRICATED COMPONENT SUPPLIERS, SUBMIT SHOP DWGS AS REQUIRED BY PROJECT SPECIFICATIONS

FOOTING BEARS ON MIN. 6 INCHES CRUSHED STONE OVERLAYING NON-WOVEN FILTER FABRIC ON NATIVE SOILS. REF. GEOTECH REPORT

NOTES	S2
NOT TO SCALE	

FOUNDATION DETAILS	S1
1/2" = 1'-0"	

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2024 Columbaria Wall Expansion
at
Northern Maine Veterans' Cemetery, 37 Lombard Road, Caribou, Maine
Maine Department of Defense, Veterans & Emergency Management
Bureau of Veterans' Services
National Cemetery Administration Project #FAI ME-23-23
Bureau of General Services Project Number #3742

Rev.	Date	Description	Drawn	Check

Sheet Title:
Columbarium Foundation Plan, Sections and Notes

Job No.:	112.5	Sheet No.:	Col-2
Date:	JULY 12, 2024		
Scale:	AS SHOWN		
Drawn:	JDC		
Checked:	NGC		