# MAINE DEPARTMENT OF INLAND FISHERIES AND WILDLIFE HEADQUARTERS

## AUGUSTA, MAINE

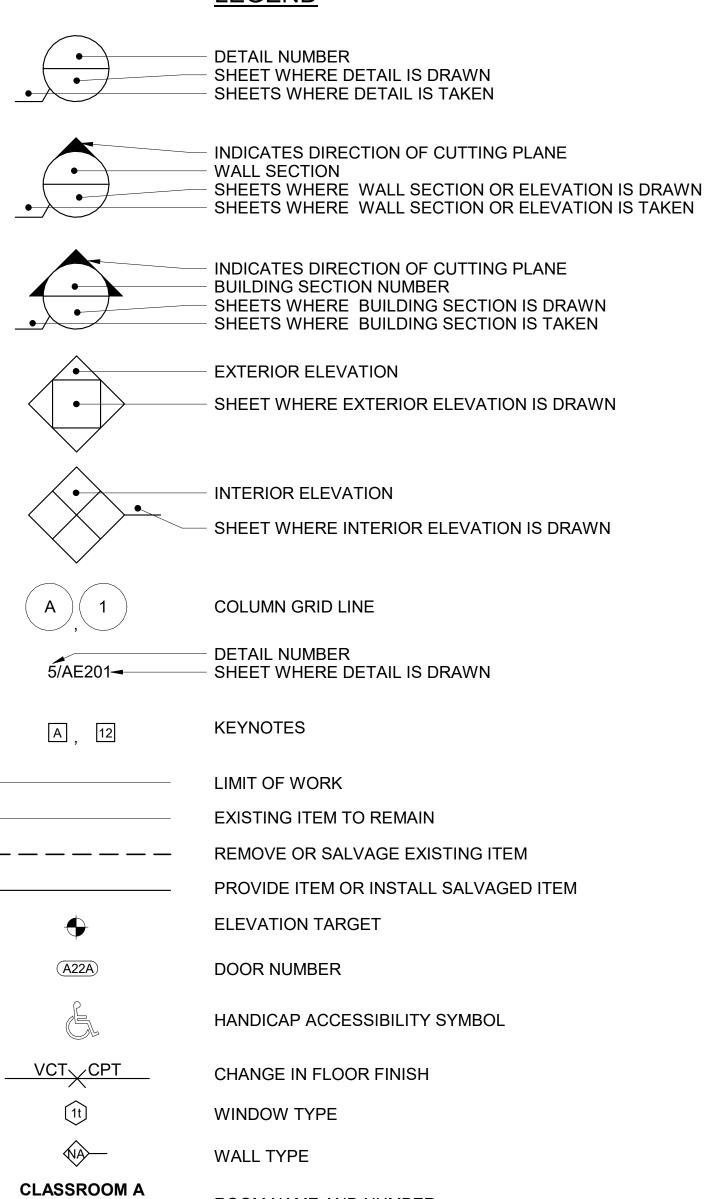


### OAK POINT ASSOCIATES

ARCHITECTURE - ENGINEERING - PLANNING 231 MAIN STREET, BIDDEFORD, MAINE 04005

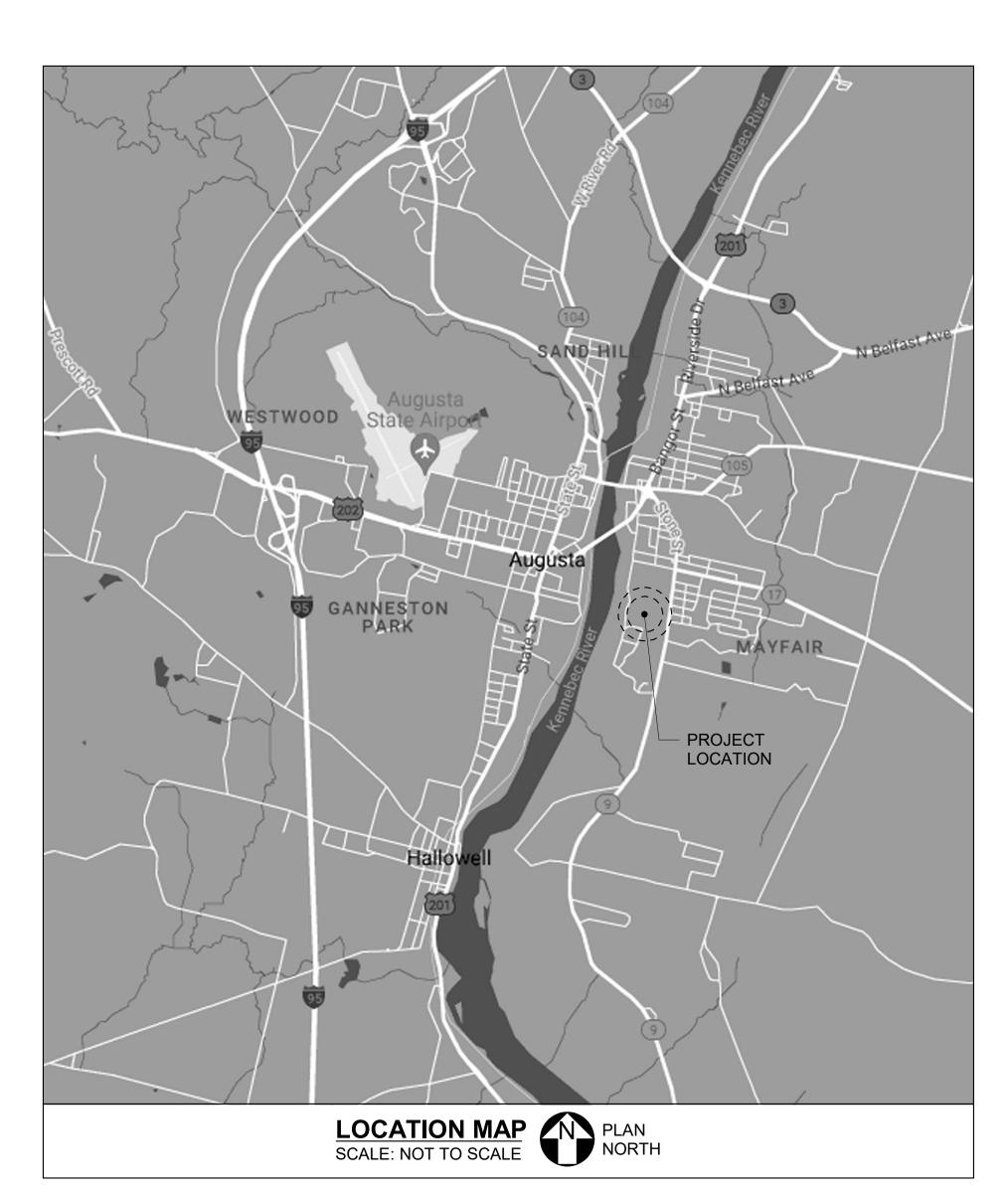
				SHISED ARCHITECT	DEPARTMENT OF INLAND FISHERIES & WILDLIFE
				MERA	TITLE NEW OFFICE HEADQUARTERS
				V W2 2962 75	LOCATION AUGUSTA, ME
			-	1.2	TITLE THIS DWG.  COVER SHEET
				ATE OF W	
				DRAWN BY: MJD	OAK POINT PAIN G-001
				CHECK BY: CET	ASSOCIATES GOUL
NO.	DATE	DESCRIPTION	BY	NO.	T N SHEET NO.
		REVISIONS		DATE 01/29/2025	ARCHITECTURE E ENGINEERING PLANNING 231 Main Street, Biddeford, Maine 04005 207.283.0193

#### <u>LEGEND</u>



ROOM NAME AND NUMBER

102

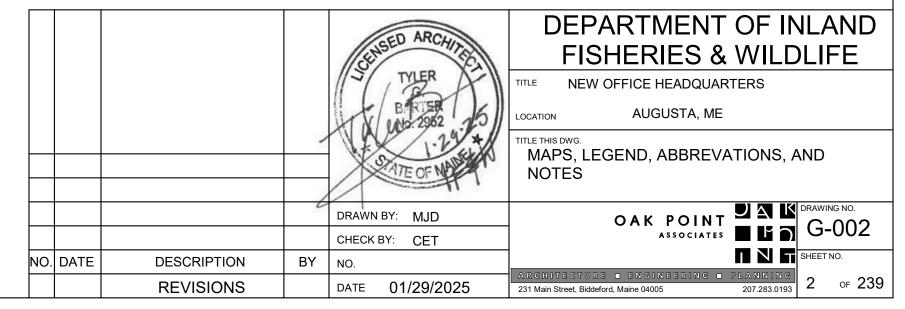


#### **ABBREVIATIONS**

& @	AND AT	LRK LLV	LOCKER LONG LEG VERTICAL
±	PLUS/MINUS	LLV LS	LIGHT SHELF
<u>+</u> %	PERCENT	M, MS	MIDDLE SCHOOL
ACT	ACOUSTIC CEILING TILE	MAX	MAXIMUM
ADA	AMERICAN WITH DISABILITIES ACT	MDEP	MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
ADJ	ADJACENT	MDF	MEDIUM DENSITY FIBER BOARD
ADP	ACOUSTIC DIFFUSER PANEL	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURE
ALUM	ALUMINUM	MFRS	MANUFACTURE'S
ALT	ALTERNATE	MIN	MINIMUM OR MINUTE
	APPROXIMATE	MIR	MIRROR
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL		MOUNTED
A/V	AIR/VAPOR BARRIER	MTL	METAL
AWP BD	ACOUSTIC WALL PANEL BOARD	N NAT	NORTH NATURAL
BF	BARRIER FREE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BL	BORROWED LITE	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO, #	NUMBER
BOC	BOTTOM OF CURB	NTS	NOT TO SCALE
С	CORE	OC	ON CENTER
CB	CATCH FOR BASIN	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT	OPS	OPPOSITE
CL	CENTER LINE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CLG	CEILING	PLAM	PLASTIC LAMINATE
CLR	CLEAR	PLYWD	PLYWOOD
CMP	CENTRAL MAINE POWER	PPM	PARTS PER MILLION
CMU COL	CONCRETE MASONRY UNIT COLUMN	PREFAB PS	PREFABRICATED PAINT STRUCTURE
COOR	COORDINATE	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PT	PRESSURE TREATED
CONT	CONTINUOUS	PNT	PAINT
CORR	CORRIDOR	PTD	PAINT, PAINTED
COW	COMPUTER ON WHEELS	PVC	POLYVINYL CHLORIDE
CPT	CARPET	QRT	QUARTZ
CT	CERAMIC TILE	QT	QUARTZ TILE
DIA, ø	DIAMETER	R	RADIUS
DIF	DIFFUSER	RB	RUBBER BASE
DN	DOWN	RCP	REFLECTED CEILING PLAN
DWG	DRAWING	RD	ROOF DRAIN
EA EJ	EACH EXPANSION JOINT	REINF RM	REINFORCED ROOM
ELEC	ELECTRICAL	S	SCUPPER
	ELEVATION	SAT	SUSPENDED ACOUSTICAL TILE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	SC	STORAGE CLOSET
EW	EACH WAY	SCFH	STANDARD CUBIC FOOT PER HOUR
EX	EXHAUST	SCH	SCHEDULE
EXIST	EXISTING	SF	SQUARE FOOT
EXP	EXPOSED	SIM	SIMILAR
EXT	EXTERIOR	SQ	SQUARE
EQ	EQUAL	SS	STAINLESS STEEL
F, FIN	FINISH	STL	STEEL
FDN	FOUNDATION FIRE EXTINGUISHED		STRUCTURAL
FE FEC	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	SY SYS	SQUARE YARD SYSTEM
FF	FINISH FLOOR	T	TREAD
FFE	FINISH FLOOR ELEVATION	TB	TILE BASE
FND	FOUNDATION	TBD	TO BE DETERMINED
FO	FIBER OPTIC	TBM	TEMPORARY BENCH MARK
FRP	FIBER REINFORCED PLASTIC	TER	TERRACOTTA
FT	FOOT	TFL	THERMAL FUSE LAMINATE
GA	GAGE	T&G	TONGUE & GROOVE
GAL	GALLON	TLCP	TOXICITY CHARACTERISTICS LEACHING PROCEDURE
GALV	GALVANIZED	TOC	TOP OF CURB
GF OVD/D	GROUND FACE	TOS	TOP OF STEEL
GYP/P	GYPSUM BD / PAINTED	TYP	TYPICAL
H, HS HC	HIGH SCHOOL HANDICAP	UL UON	UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED
HDWD	HARDWOOD	VERT	VERTICAL
HGT	HEIGHT	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	VRT	VENT THRU ROOF
HM	HOLLOW METAL	W/	WITH
HP	HIGH POINT	WB	WARDROBE
HSS	HOLLOW STRUCTURAL SECTION	WD	WOOD
IBC	INTERNATIONAL BUILDING CODE	WP	WALL PANEL
INSUL	INSULATION	WS	WINDOW SHADE
INV	INVERT	WWF	WELDED WIRE FABRIC

#### **GENERAL CONSTRUCTION NOTES:**

- 1. CONFORM TO APPLICABLE STATE, NATIONAL AND OTHER CODES AND ORDINANCES.
- 2. ITEMS AND COMPONENTS SHOWN ON THE DRAWINGS ARE NEW AND SHALL BE PROVIDED UNLESS NOTED AS EXISTING.
- 3. WORK INDICATED IS INCLUDED IN THE BASE BID UNLESS NOTED OTHERWISE.
- 4. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS. DO NOT SCALE DRAWINGS.
- 5. REPORT ANY DIMENSION DISCREPANCIES TO THE ARCHITECT. PROCEED WITH THE AFFECTED WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED.
- 6. MAINTAIN CONSTRUCTION SITE IN A NEAT, CLEAN AND SAFE MANNER.
- 7. OTHER THAN ENVIRONMENTAL PERMITS, OBTAIN STATE AND LOCAL PERMITS REQUIRED FOR THE SATISFACTORY COMPLETION OF WORK AT NO ADDITIONAL COST TO THE OWNER. COMPLY WITH PERMIT APPROVAL CONDITIONS. REFER TO SHEET C-001 FOR A DESCRIPTION OF ENVIRONMENTAL PERMITS.
- 8. DISPOSE OF AND/OR RECYCLE NON-HAZARDOUS CONSTRUCTION DEBRIS FROM THE PROJECT SITE AS REQUIRED BY THE STATE OF MAINE AND AS REQUIRED BY THE CONTRACT. OBTAIN DISPOSAL PERMITS THAT ARE REQUIRED.
- 9. POWDER DRIVEN FASTENERS SHALL BE PROHIBITED FOR SUPPORT OF ARCHITECTURAL, MECHANICAL, OR ELECTRICAL COMPONENTS WHEN LOADED IN TENSION.
- 10. OBTAIN APPROVAL FROM THE OWNER FOR SEQUENCE AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK.
- 11. COMPLY WITH INDUSTRY STANDARDS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE CONFLICTS EXIST WITHIN THE DOCUMENTS OR BETWEEN THE DOCUMENTS AND GOVERNING CODES, ORDINANCES, OR INDUSTRY STANDARDS, THE MORE STRINGENT, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, SHALL APPLY.
- 13. SEE AE420 FOR STANDARD MOUNTING HEIGHTS.
- 14. ROOM NUMBERS ON PLANS CORRESPOND TO ACTUAL ROOM NUMBERS
- 15. THE LOCATION OF ALL DOOR OPENINGS NOT DIMENSIONED SHALL BE 6" FROM ADJACENT WALL (FACE OF FRAMING TO ROUGH OPENING)
- 16. INSTALL BLOCKING BEHIND ALL SURFACE APPLIED FIXTURES, TRIM, GRAB BARS, SHELVES, VISUAL DISPLAY BOARDS, WOOD TRIM AND OTHER ACCESSORIES WHEN MOUNTED ON STUD WALLS
- 17. ALL ROOM DIMENSIONS ARE FROM FACE OF FRAMING TO FACE OF FRAMING. DIMENSIONS INDICATED AS "CLEAR" SHALL BE MAINTAINED IN CASE OF DISCREPANCY.
- 18. WHEN DETERMINING SPRAY FIRE RESISTANT MATERIAL THICKNESS, MEMBERS SHALL BE CONSIDERED UNRESTRAINED. THE RATING PROVIDED BY THE FIRE RESISTANT MATERIAL SHALL EXTEND FOR THE FULL LENGTH/HEIGHT OF THE MEMBER AND SHALL INCLUDE PROTECTION OF ITS CONNECTIONS TO OTHER STRUCTURAL MEMBERS. NON-RATED MEMBERS CONNECTING TO THE RATED MEMBERS SHALL BE PROTECTED AS REQUIRED FOR THE RATED MEMBER FOR 12-INCHES BEYOND THE RATED MEMBER.



LIST OF DRAWINGS

NUMBER SHEET
OF SHEETS DESIGNATION SHEET NAME

LIST OF DRAWINGS

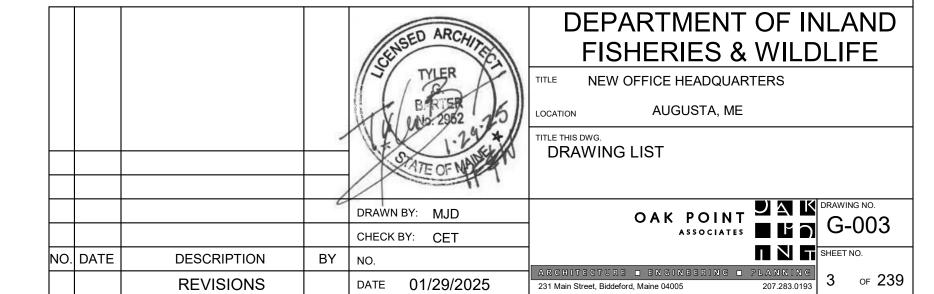
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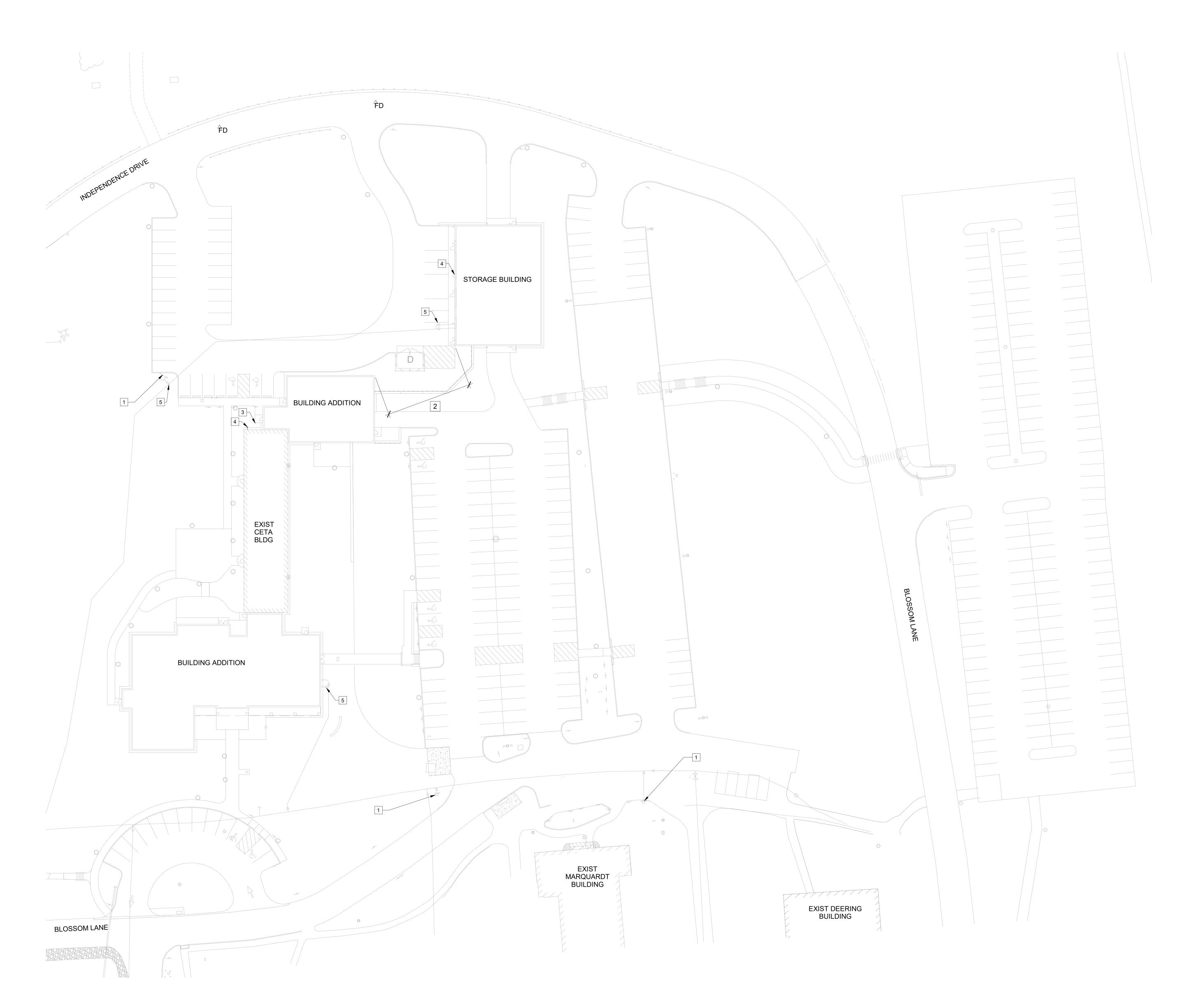
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		LIST OF DRAWINGS			<u>LIST OF DRAWINGS</u>
NUMBER	SHEET		NUMBER	SHEET	
OF SHEETS	DESIGNATION	SHEET NAME	OF SHEETS D		N SHEET NAME
GENERAL			91	SF510	CLT SHEAR WALL CONNECTION DETAILS 1
1	G-001	COVER SHEET	92	SF511	CLT SHEAR WALL CONNECTION DETAILS 2
2	G-002	MAPS, LEGEND, ABBREVATIONS, AND NOTES	93	SF601	GLU-LAM CONNECTION SCHEDULES AND DETAILS
3	G-003	DRAWING LIST	94	SF602	COLUMN SCHEDULE 1 AND DETAILS
4	G-101	CODE COMPLIANCE SITE PLAN	95	SF603	COLUMN SCHEDULE 2
5	G-102	CODE COMPLIANCE SUMMARY SHEET	96	SF604	COLUMN BASE PLATE DETAILS
6	G-103	BASEMENT OCCUPANCY CLASSIFICATION	97	SF605	SECOND FLOOR CLT DIAPHRAGM PLAN
7	G-104	FIRST FLOOR OCCUPANCY CLASSIFICATIONS	98	SF606	ROOF CLT DIAPHRAGM PLAN
8	G-105	SECOND FLOOR OCCUPANCY CLASSIFICATION			
9	G-106	THIRD FLOOR AND MECHANICAL ATTIC OCCUPANCY CLASSIFICATIONS	ARCHITECTURE		
10	G-107	OCCUPANCY CLASSIFICATIONS SECTIONS	99	AE001	WALL TYPES AND DETAILS
11	G-108	BASEMENT AND ATTIC LIFE SAFETY PLAN	100	AE101	FIRST FLOOR PLAN
12	G-109	FIRST FLOOR LIFE SAFETY PLAN	101	AE102	SECOND FLOOR PLAN
13	G-110	SECOND FLOOR LIFE SAFETY PLAN	102	AE103	THIRD FLOOR PLAN
14	G-111	THIRD FLOOR LIFE SAFETY PLAN	103	AE104	BASEMENT AND ATTIC FLOOR PLANS
15	G-200	EXTERIOR RENDERINGS	104	AE105	FIRST FLOOR DIMENSION PLAN
			105	AE106	SECOND FLOOR DIMENSION PLAN
DEMO			106	AE107	THIRD FLOOR DIMENSION PLAN
16	D-101	DEMO PLANS 1, GENERAL REMOVAL NOTES, EXISTING KEYNOTES, AND REMOVALS KEYNOTES	107	AE108	BASEMENT AND ATTIC DIMENSION PLAN
17	D-102	DEMO PLANS 2	108	AE120	ROOF PLAN
18	D-201	DEMO EXTERIOR ELEVATIONS	109	AE201	BUILDING AXONS
19	D-221	DEMO BUILDING SECTIONS	110	AE202	BUILDING ELEVATIONS 1
			111	AE203	BUILDING ELEVATIONS 2
CIVIL			112	AE220	BUILDING SECTIONS 1
20	C-001	CIVIL NOTES, LEGEND AND ABBREVIATIONS	113	AE221	BUILDING SECTIONS 2
21	CX101	EXISTING CONDITIONS PLAN	114	AE222	BUILDING SECTIONS 3
22	CD101	REMOVALS PLAN	115	AE301	WALL SECTIONS 1
23	CS101	SITE PLAN	116	AE302	WALL SECTIONS 2
24	CS102	INDEPENDENCE DRIVE REPAIRS - ALTERNATE 1	117	AE303	WALL SECTIONS 3
25	CL101	LAYOUT PLAN	118	AE401	CONFERENCE ROOM 102 ENLARGED PLAN, INTERIOR ELEVATIONS AND DETAILS
26	CU101	UTILITY PLAN	119	AE402	LOBBY ENLARGED PLAN, INTERIOR ELEVATIONS AND DETAILS
27	CU102	FOUNDATION DRAINAGE PLAN AND DETAILS	120	AE403	PEDESTRIAN BRIDGE AND RETAINING WALLS ENLARGED PLAN, ELEVATIONS AND DETAILS
28	CG101	GRADING, DRAINAGE AND EROSION CONTROL PLAN	121	AE404	CETA FACADE RESTORATION ELEVATIONS AND DETAILS
29	CG102	ENLARGED GRADING PLAN	122	AE420	MOUNTING HEIGHTS, RESTROOM ENLARGED PLANS AND INTERIOR ELEVATIONS 1
30	C-201	ROADWAY PROFILE - BLOSSOM LANE/INDEPENDENCE DRIVE	123	AE421	RESTROOM ENLARGED PLAN AND INTERIOR ELEVATION 2
31	C-501	EROSION CONTROL NOTES AND DETAILS	124	AE422	RESTROOM ENLARGED PLAN AND INTERIOR ELEVATION 3
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33	C-503	SITE DETAILS - 1	126	AE441	ENLARGED PLAN AND SECTION STAIR S3-S4
34	C-504	SITE DETAILS - 2	127	AE442	ENLARGED SHIP LADDER PLANS AND SECTIONS
35	C-505	SITE DETAILS - 3	128	AE443	ENLARGED ELEVATOR PLANS, SECTIONS, AND DETAILS
36	C-506	SITE DETAILS - 4	129	AE444	STAIR AND RAILING DETAILS
37	C-507	SITE DETAILS - 5	130	AE501	ROOF DETAILS 1
38	C-508	SITE DETAILS - 6	131	AE502	ROOF DETAILS 2
39	B-101	BORING AND TEST PIT LOGS - 1	132	AE503	ROOF DETAILS 3
40	B-102	BORING AND TEST PIT LOGS - 2	133	AE504	ROOF DETAILS 4
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43	LS102	LANDSCAPE DETAIL PLANS AND PLANT LIST	138	AE520	EXPANSION JOINT DETAILS, FLOOR AND WALL PENETRATION DETAILS
44	L-501	LANDSCAPE DETAILS	139	AE521	EXPANSION JOINT ENLARGED PLANS AND DETAILS
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45	S-001	STRUCTURAL NOTES	142	AE581	CASEWORK DETAILS 2
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47	S-003	WALL COMPONENTS AND CLADDING WIND PRESSURES PLAN	144	AE602	DOOR FRAME TYPE AND DOOR DETAILS
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49	S-005	ROOF SNOW DRIFT PLAN	146	AE620	WINDOW SCHEDULE
50	S-006	OVERALL GRID PLAN	147	AE621	CURTAINWALL DETAILS
51	SD101	ROOF FRAMING REMOVALS PLAN	148	AE622	WINDOW DETAILS
52	SB101	SLAB PLAN	149	AE623	EXTERIOR STOREFRONT DETAILS
53	SB102	NORTH ADDITION FOUNDATION PLAN	150	AE624	INTERIOR STOREFRONT, RATED STOREFRONT AND BORROWED LITE DETAILS
54	SB103	CENTER FOUNDATION PLAN	151	AE630	DEMOUNTABLE PARTITION DETAILS
55	SB104	SOUTH ADDITION FOUNDATION PLAN	152	AE640	ROOM FINISH SCHEDULE
56	SB105	SITE RETAINING WALL PLAN	153	AE641	ROOM FINISH SCHEDULE AND COLOR KEY
57	SB401	ENLARGED PILE CAP PLANS	154	AE660	SIGNAGE DETAILS AND SCHEDULE
58	SB402	ENLARGED MAT FOOTING PLANS 1	155	AE661	SIGNAGE DETAILS CONTINUED
59	SB403	ENLARGED MAT FOOTING PLANS 2	156	AE701	FIRST FLOOR REFLECTED CEILING PLAN
60	SB404	ENLARGED PIER PLANS	157	AE702	SECOND FLOOR REFLECTED CEILING PLAN
61	SB501	FOUNDATION DETAILS 1	158	AE703	THIRD FLOOR REFLECTED CEILING PLAN
62	SB502	FOUNDATION DETAILS 2	159	AE704	BASEMENT AND ATTIC REFLECTED CEILING PLAN
63	SB503	FOUNDATION DETAILS 3	160	AE720	SOFFIT DETAILS
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65	SB505	FOUNDATION DETAILS 5	162	AE741	INTERIOR ELEVATIONS 2
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70	SF103	THIRD FLOOR FRAMING PLAN	167	AE802	SECOND FLOOR FINISH PLAN
71	SF104	ATTIC FLOOR FRAMING PLAN	168	AE803	THIRD FLOOR FINISH PLAN
72	SF105	ROOF FRAMING PLAN	169	AE901	FIRST FLOOR FURNITURE PLAN
73	SF201	STEEL BRACED FRAME ELEVATIONS	170	AE902	SECOND FLOOR FURNITURE PLAN
74 75	SF202	GLU-LAM BRACED FRAME ELEVATIONS 1	171	AE903	THIRD FLOOR FURNITURE PLAN
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80	SF208	CLT SHEAR WALL ELEVATIONS 2	175	FX103	THIRD FLOOR FIRE SUPRRESSION PLAN
81	SF209	CLT SHEAR WALL ELEVATIONS 3	176	FX104	BASEMENT AND ATTIC FIRE SUPRRESSION PLANS
82	SF210	ENTRY TRUSS PROFILE AND DETAILS	DILIMBING		
83	SF211	GLU-LAM FRAMING ELEVATIONS	PLUMBING	D 004	DILIMBING LEGEND ADDDENIATIONS AND GENERAL NOTES
84	SF401	ENLARGED OPERABLE PARTITION SUPPORT FRAMING PLANS AND DETAILS	177	P-001	PLUMBING LEGEND, ABBREVIATIONS, AND GENERAL NOTES
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89	SF504 SF505	STRUCTURAL DETAILS 4 STRUCTURAL DETAILS 5	182	P-104 P-105	BASEMENT AND ATTIC PLUMBING PLANS
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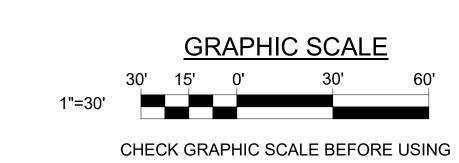
OF	SHEETS	DESIGNATION	SHEET NAME
184		P-401	FIRST AND SECOND FLOOR ENLARGED PLUMBING PART PLANS
185		P-402	SECOND AND THIRD FLOOR ENLARGED PLUMBING PART PLANS
186		P-403	BASEMENT ENLARGED PLUMBING PART PLANS
187		P-501	PLUMBING DETAILS
188		P-601	PLUMBING SCHEDULES
189		P-701	PLUMBING RISER DIAGRAMS
_	HANICAL		
190		M-001	MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES
191		MH101	FIRST FLOOR MECHANICAL DUCTWORK PLAN
192		MH102	SECOND FLOOR MECHANICAL DUCTWORK PLAN
193		MH103	THIRD FLOOR MECHANICAL DUCTWORK PLAN
194		MH104	BASEMENT AND ATTIC MECHANICAL DUCTWORK PLANS
195		MP101	FIRST FLOOR MECHANICAL PIPING PLAN
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197		MP103	THIRD FLOOR MECHANICAL PIPING PLANS
198		MP104	BASEMENT AND ATTIC MECHANICAL PIPING PLANS
199		M-301	MECHANICAL SECTIONS 1
200		M-302	MECHANICAL SECTIONS 2
201		M-401	ENLARGED MECHANICAL PART PLANS
202		M-501	MECHANICAL DETAILS 1
203		M-502	MECHANICAL DETAILS 2
204		M-503	MECHANICAL DETAILS 3 MECHANICAL SCHEDULES 1
205		M-601 M-602	MECHANICAL SCHEDULES 1
206 207		M-701	MECHANICAL SCREDULES 2  MECHANICAL CONTROL DIAGRAMS 1
207		M-702	MECHANICAL CONTROL DIAGRAMS 2
209		M-703	MECHANICAL CONTROL DIAGRAMS 3
210		M-704	MECHANICAL CONTROL DIAGRAMS 4
210		IVI-7 0 <del>-1</del>	MEGIANIOAE GOIVING 4
ELEC	CTRICAL		
211		E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
212		ES101	ELECTRICAL SITE PLAN
213		EP101	FIRST FLOOR POWER PLAN
214		EP102	SECOND FLOOR POWER PLAN
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217		EP120	ROOF PLAN
218		EP501	ONE-LINE DIAGRAM AND DETAILS
219		EP502	ELECTRICAL DETAILS AND WIRING SCHEDULE
220		EP601	PANELBOARD SCHEDULES
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222		EP603	PANELBOARD SCHEDULES 3
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224		EL101	FIRST FLOOR LIGHTING PLAN
225		EL102	SECOND FLOOR LIGHTING PLAN
226		EL103	THIRD FLOOR LIGHTING PLANS
227		EL104	BASEMENT AND ATTIC LIGHTING PLANS LIGHTING FIXTURE SCHEDULE AND DETAILS
228 229		EL701 ET101	FIRST FLOOR TECHNOLOGY PLAN
		_	SECOND FLOOR TECHNOLOGY PLAN
230		ET102	THIRD FLOOR TECHNOLOGY PLAN
231 232		ET103 ET104	BASEMENT AND ATTIC TECHNOLOGY PLANS
232		ET 104 ET 501	TECHNOLOGY ONE-LINE DIAGRAM
234		ET501	TECHNOLOGY DETAILS 2
		-	
	ALARM		
235		FA101	FIRST FLOOR FIRE ALARM PLAN
236		FA102	SECOND FLOOR FIRE ALARM PLAN
237		FA103	THIRD FLOOR FIRE ALARM PLAN
238		FA104	BASEMENT AND ATTIC FIRE ALARM PLAN
239		FA501	FIRE ALARM MATRIX AND ONE-LINE DIAGRAM





1 CODE COMPLIANCE SITE PLAN G-101 SCALE: 1" = 30'-0"

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#### **GENERAL NOTE**

1. FIRE PROTECTION FEATURES OF THE BUILDINGS ARE SHOWN FOR GENERAL INFORMATION ONLY. REFER TO APPLICABLE CIVIL, FIRE SUPPRESSION, AND FIRE ALARM SHEETS FOR ADDITIONAL INFORMATION.

#### KEYNOTES (THIS SHEET ONLY)

1 FIRE HYDRANT

2 65'-0" PHYSICAL SEPARATION BETWEEN BUILDINGS/STRUCTURES

3 INTENDED FIRE DEPARTMENT MAIN ENTRANCE TO BUILDING (TO BE CONFIRMED)

4 SPRINKLER SYSTEM FIRE DEPARTMENT CONNECTION

5 WATER SHUTOFF VALVE

FIRE SERVICE ENTRANCE (TO BE DETERMINED)

#### LEGEND (THIS SHEET ONLY)

EXIT DISCHARGE PATH

FIRE DEPARTMENT POTENTIAL HOSE LAY DOWN PATH (LOCATION TO BE DETERMINED)

FIRE DEPARTMENT ACCESS

FIRE DEPARTMENT CONNECTION (LOCATION TO BE DETERMINED)

FIRE HYDRANT

#### ABBREVIATIONS (G-101 TO G-111)

**ELEVATOR** EXISTING FRESH WATER

EXISTING INTERNATIONAL BUILDING CODE

INCHES MECHANICAL

NOT APPLICABLE

NATIONAL FIRE PROTECTION ASSOCIATION OCCUPANT LOAD OCCUPANT LOAD FACTOR

POST INDICATING VALVE

SQUARE FEET FRESH WATER

WATER SHUTOFF VALVE

DEPARTMENT OF INLAND FISHERIES & WILDLIFE NEW OFFICE HEADQUARTERS AUGUSTA, ME CODE COMPLIANCE SITE PLAN OAK POINT DAM GRAWING NO.

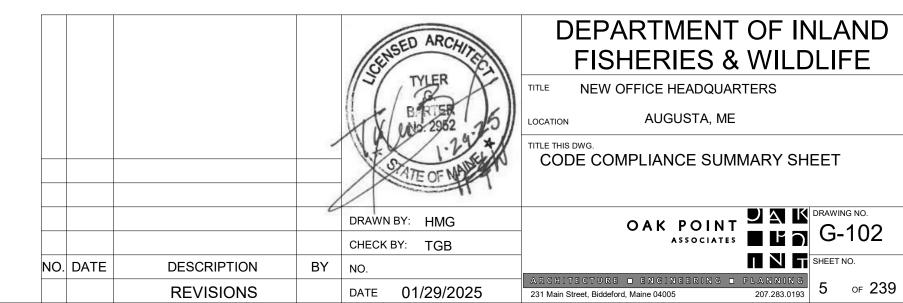
ASSOCIATES DO G-101

SHEET NO. DRAWN BY: CET CHECK BY: TGB DESCRIPTION NO. DATE **REVISIONS** DATE 01/29/2025

	CODE REVIEW SUMMARY: LIFE SAFETY CODE REVIEW BY SECTION: MAINE MUBEC,					
IRC and NFPA 101 BUILDING FEATURE		REQUIRED/ALLOWED PROVIDED REFERENCE				
ı	GENERAL INFORMATION ORIGINAL YEAR OF			CETA BUILDING, 1920		
.1	CONSTRUCTION			·		
	USE			WILDLIFE NEW HEADQUART	ARTMENT OF INLAND FISHERIES AND TERS BUILDING WILL CONTAIN	
				LABORATORY, AND STORA	GE CONFERENCE ROOMS, A NGE SPACE.	
.2						
.3	CLASSIFICATION OF WORK:			NFPA 101:RECONSTRUCTION IEBC: LEVEL 3 ALTERATION	•	NFPA 101, SECTIONS 43.2.2; IEBC SECTIONS 505 AND 507
	TOTAL BUILDING			770		
	CALCULATED OCCUPANT LOAD			NEW WET DIDE ODDING ED		
	SUPPRESSION SYSTEM			OF BUILDING. NEW DRY-PIF		
.5				(AT ATTIC AND SPACES EXF	ECT TO FREEZING TEMPERATURES POSED TO THE EXTERIOR).	
	FIRE DETECTION/ALARM			NEW ADDRESSABLE FIRE AL	_ARM SYSTEM WITH HORN/STROBE	
	SYSTEM			NOTIFICATION		
	APPROVED EQUIVALENCIES			NOT APPLICABLE		
./	APPLICABLE FIRE/LIFE SAFETY	CODES AND STANDARDS				
.1	MAINE UNIFORM BUILDING AND ENERGY CODE WHICH					
1.1	INCLUDES:		CODE (IBC), 2015 EDITION			
1.2	MAINE STATE FIRE MARSHAL		BUILDING CODE (IEBC), 2015 EDITION CONSERVATION CODE (IECC) 2015			
_	ADOPTED NFPA CODES:					
2.1 2.2			PORTABLE FIRE EXTINGUISHERS, 2018			
2.3 2.4		NFPA 24, STANDARD FOR	THE INSTALLATION OF SPRINKLER SYSTEMS, THE INSTALLATION OF PRIVATE SERVICE			
2.5 2.6 2.7		1	ALARM AND SIGNALING CODE, 2019 FIRE DOORS AND OTHER OPENING CODE 2018 FDITION			
2.8	2.3.AMERICANS WITH	1	R EMERGENCY AND STANDBY POWER			
	DISABILITIES ACT STANDARDS (ADA)					
	USE AND OCCUPANCY OCCUPANCY			IBC: MIXED,	NFPA 101: MULTIPLE, MIXED	IBC, SECTIONS 303, 304, AND 311; NFPA 101,
.1	CLASSIFICATIONS			NONSEPARATED OCCUPANCIES OF	(NON-SEPARATED) OCCUPANCIES OF ASSEMBLY,	SECTIONS 6.1.2.1, 6.1.11.1, AND 6.1.13.1
				ASSEMBLY, GROUP A-3; BUSINESS, GROUP B; AND	BUSINESS, AND STORAGE	
	SPECIAL DETAILED REQUIREMELEVATOR	IENTS				
	LLLYAION	FIRE PROTECTION	SPRINKLERS REQUIRED IN ELEVATOR MACHINE ROOM, ELEVATOR	SPRINKLERS IN ELEVATOR A ELEVATOR SHAFT PIT AREA.		IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4
1.1	LLLYAION	FIRE PROTECTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP			IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4
1.1	LLLYAION	FIRE PROTECTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY. SMOKE DETECTORS REQUIRED FOR	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCAT		IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4
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	ELLYMON	FIRE PROTECTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCAT		
		FIRE PROTECTION  ELEVATOR LANDINGS TWO-WAY	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT	SMOKE DETECTORS LOCATAND ELEVATOR.		
		ELEVATOR LANDINGS	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM	SMOKE DETECTORS LOCATAND ELEVATOR.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4
.1.1		ELEVATOR LANDINGS TWO-WAY COMMUNICATION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE	SMOKE DETECTORS LOCATAND ELEVATOR.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4
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.1.1		ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN NOT PROVIDED.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4
.1.1 1.2		ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1
.1.1 1.2 1.4		ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE NT., SECOND., AND THIRD FLOOR.	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4
.1.1 1.2	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION	ILANDINGS; LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE NT., SECOND., AND THIRD FLOOR.	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4
.1.1 1.2 1.4	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E	ILANDINGS; LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE NT., SECOND., AND THIRD FLOOR.	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4
.1.1 1.2 1.4	ASSEMBLY OCCUPANCY	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP	ILANDINGS; LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE NT., SECOND., AND THIRD FLOOR.	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4
.1.1 1.2 1.4 .2	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT  BUILDING NUMBER OF	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATIVE LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY	TED IN ELEVATOR MACHINE ROOM  ON SYSTEM PROVIDED AT THE NT., SECOND., AND THIRD FLOOR.	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3
.1.1 1.2 1.4 .2	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATIVE LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3
.1.1 1.2 1.4 .2 .1	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT  BUILDING NUMBER OF	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP STORIES; GROUP S-1, VB  GROUP A-3, IIB & IIIB: 28,00	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDITIONAL AND	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3
.1.1 1.2 1.4 .2	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT  BUILDING NUMBER OF STORIES	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP 3 STORIES; GROUP S-1, VB GROUP A-3, IIB & IIIB: 28,00 B, IIB: 69,000 SF; GROUP B,	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER  ORIES; GROUP A-3, VB: 2 STORIES; GROUP DUP B, VB: 3 STORIES; GROUP S-1, IIB & IIIB: : 2 STORIES  OO SF; GROUP A-3, VB: 18,000 SF; GROUP	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATIVE LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED:  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDITED	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3  IBC, TABLE 504.3  IBC, TABLE 504.4
.1.1 1.2 1.4 .2 .1	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT  BUILDING NUMBER OF STORIES	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP 3 STORIES; GROUP S-1, VB  GROUP A-3, IIB & IIIB: 28,00 B, IIB: 69,000 SF; GROUP B, GROUP S-1, IIB: 78,000 SF;	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER  ORIES; GROUP A-3, VB: 2 STORIES; GROUP OUP B, VB: 3 STORIES; GROUP S-1, IIB & IIIB: 2 STORIES  00 SF; GROUP A-3, VB: 18,000 SF; GROUP IIIB: 57,000 SF; GROUP B, VB: 27,000 SF;	SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATIVE LANDING OF THE BASEMENT NOT PROVIDED.  NOT PROVIDED:  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDITED	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3  IBC, TABLE 504.3  IBC, TABLE 504.4
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.1.1 1.2 1.3 1.4 .2 .3	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT  BUILDING NUMBER OF STORIES  BUILDING AREA  Construction Type	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS  TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP 3 STORIES; GROUP S-1, VB GROUP S-1, IIB: 78,000 SF; 27,000 SF Table 601 and Section 602.2, 602.3  CTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  EV B: 60 FEET (WITH SPRINKLER  ORIES; GROUP A-3, VB: 2 STORIES; GROUP DUP B, VB: 3 STORIES; GROUP S-1, IIB & IIIB: 2 STORIES  00 SF; GROUP A-3, VB: 18,000 SF; GROUP IIIB: 57,000 SF; GROUP B, VB: 27,000 SF; GROUP S-1, IIIB: 76,500 SF; GROUP S-1, VB:  Existing: Type III-B Additions: Type II-B Additions: Type II-B	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDINCLUDED)	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE  ITION: 17,585 SF (NO FRONTAGE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3  IBC, TABLE 504.3  IBC, TABLE 504.4  IBC, TABLE 506.2
.1.1 1.2 1.3 1.4 .2 .3	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT BUILDING NUMBER OF STORIES  BUILDING AREA  Construction Type  BUILDING TYPE OF CONSTRUCTION	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS  TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GRO 3 STORIES; GROUP S-1, VB GROUP A-3, IIB & IIIB: 28,00 B, IIB: 69,000 SF; GROUP B, GROUP S-1, IIB: 78,000 SF; 27,000 SF Table 601 and Section 602.2, 602.3	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  E V B: 60 FEET (WITH SPRINKLER  ORIES; GROUP A-3, VB: 2 STORIES; GROUP OUP B, VB: 3 STORIES; GROUP S-1, IIB & IIIB: 2 STORIES  OSF; GROUP A-3, VB: 18,000 SF; GROUP IIIB: 57,000 SF; GROUP B, VB: 27,000 SF; GROUP S-1, IIIB: 76,500 SF; GROUP S-1, VB:  Existing: Type III-B	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDINCLUDED)	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE  ITION: 17,585 SF (NO FRONTAGE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  IBC, TABLE 504.3  IBC, TABLE 504.4
.1.1 1.2 1.3 1.4 .2 .1 .1 .1	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT BUILDING NUMBER OF STORIES  BUILDING AREA  Construction Type  BUILDING TYPE OF CONSTRUCTION	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS  TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP 3 STORIES; GROUP S-1, VB GROUP S-1, IIB: 78,000 SF; 27,000 SF Table 601 and Section 602.2, 602.3  CTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  EV B: 60 FEET (WITH SPRINKLER  ORIES; GROUP A-3, VB: 2 STORIES; GROUP JUP B, VB: 3 STORIES; GROUP S-1, JIB & JIB: 2 STORIES  OO SF; GROUP A-3, VB: 18,000 SF; GROUP JIB: 57,000 SF; GROUP B, VB: 27,000 SF; GROUP S-1, JIB: 76,500 SF; GROUP S-1, VB:  EXISTING: Type III-B  Additions: Type III-B  NO FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS.  EXTERIOR LOAD-BEARING WALLS	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDINCLUDED)	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE  ITION: 17,585 SF (NO FRONTAGE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3  IBC, TABLE 504.3  IBC, TABLE 504.4  IBC, TABLE 506.2
.1.1 1.2 1.3 1.4 .2 .1 .2	ASSEMBLY OCCUPANCY LIFE SAFETY EVALUATION  GENERAL BUILDING HEIGHTS BUILDING HEIGHT BUILDING NUMBER OF STORIES  BUILDING AREA  Construction Type  BUILDING TYPE OF CONSTRUCTION	ELEVATOR LANDINGS TWO-WAY COMMUNICATION SYSTEM  AMBULANCE STRETCHER  ELEVATOR HOISTWAY OPENING PROTECTION  REQUIRED TO BE PERFORM ASSEMBLY OCCUPANCY E  AND AREAS  TYPE IIB & IIIB: 75 FEET; TYP INCREASES)  GROUP A-3, IIB & IIIB: 3 STO B, IIB & IIIB: 4 STORIES; GROUP S-1, VB GROUP S-1, VB GROUP S-1, IIB: 78,000 SF; 27,000 SF Table 601 and Section 602.2, 602.3  CTION	MACHINE ROOM, ELEVATOR [LANDINGS;LOBBIES], AND ELEVATOR SHAFT PIT AREA. NO SPRINKLER AT TOP OF ELEVATOR SHAFT HOISTWAY.  SMOKE DETECTORS REQUIRED FOR ELEVATOR RECALL, FIREFIGHTER SERVICE AND FIRE ALARM SYSTEM INITIATION IN ELEVATOR MACHINE ROOM AND ELEVATOR LANDINGS; LOBBIES. NO SMOKE DETECTORS IN ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT PIT OR AT TOP OF ELEVATOR SHAFT HOISTWAY.  A TWO-WAY COMMUNICATION SYSTEM IS REQUIRED AT THE LANDING SERVING EACH ELEVATOR ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.  ELEVATOR CARS SERVING BUILDINGS FOUR OR MORE STORIES ABOVE THE GRADE PLANE ARE REQUIRED TO BE SIZED TO ACCOMMODATE AMBULANCE STRETCHER.  NOT REQUIRED FOR A SPRINKLERED BUILDING THAT IS NOT A HIGH-RISE OF THE OCCUPANCY TYPES PRESENT IN THE BUILDING.  MED WHERE THE OCCUPANT LOAD OF AN EXCEEDS 6,000.  EV B: 60 FEET (WITH SPRINKLER  ORIES: GROUP A-3, VB: 2 STORIES; GROUP DUP B, VB: 3 STORIES; GROUP S-1, IIB & IIIB: 2 STORIES  OO SF; GROUP A-3, VB: 18,000 SF; GROUP IIIB: 57,000 SF; GROUP B, VB: 27,000 SF; GROUP S-1, IIIB: 76,500 SF; GROUP S-1, VB:  EXISTING: Type III-B Additions: Type III-B Additions: Type III-B ADDING REQUIREMENTS FOR BUILDING ELEMENTS.	ELEVATOR SHAFT PIT AREA.  SMOKE DETECTORS LOCATAND ELEVATOR.  TWO-WAY COMMUNICATION LANDING OF THE BASEMEN  NOT PROVIDED.  NOT PROVIDED: ASSEMBLY  44' - 6"  EXISTING BUILDING & ADDINCLUDED)	ON SYSTEM PROVIDED AT THE NT, SECOND, AND THIRD FLOOR.  OCCUPANT LOAD = 240  ITION: 3 STORIES ABOVE GRADE  ITION: 17,585 SF (NO FRONTAGE	IBC, SECTIONS 3006.1, 3006.2, 3006.3, 3006.4  IBC, SECTION 1009.8; NFPA 101, SECTION 7.2.12.1  IBC, SECTION 3002.4  IBC, SECTION 3006.2  NFPA 101, SECTION 12.1.7.3  IBC, TABLE 504.4  IBC, TABLE 506.2

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	BUILDING FEATURE	REQUIRED/ALLOWED		PROVIDED	REFERENCE
•	FIRE AND SMOKE PROTECTION EXTERIOR EXPOSURE		DINGS REQUIRE EXTERIOR WALLS TO BE	ALL EXTERIOR WALLS ARE GREATER THAN 30 FEET FROM ANY	IBC, TABLE 602
7.1	PROTECTION	RATED WITH 1-HOUR FIRE F	RESISTANCE FOR 30 FEET OR LESS FIRE ROM OTHER BUILDINGS.	ADJACENT BUILDING OR PROPERTY LINE.	
7.1.1			EXTERIOR WALLS WITHIN 10 FEET OF NONRATED WALL PROVIDED WITH 1-HOUR FIRE RESISTANCE RATING.	IBC, SECTION 1023.7; NFPA 101, SECTION 7.2.2.5.2.1	
7.2	INTERIOR FIRE-RESISTANCE RATINGS				
7.2.1	IV (III VC)	EXIT STAIR ENCLOSURES	2-HOUR RATED CONNECTING 4 STORIES OR MORE.	INTERIOR EXIT STAIRWAYS ARE 2-HOUR RATED WHERE SERVING 4 STORIES (3 ABOVE GRADE, 1 BASEMENT STORY) AND 1-HOUR RATED WHERE SERVING LESS THAN 4 STORIES.	IBC, SECTION 713.4; NFPA 101, SECTION 7.1.3.2.1
7.2.2		FIRE WALLS	2-HOUR RATED FOR TYPE II OR V CONSTRUCTION; 3-HOUR RATED FOR		IBC, TABLE 706.4
7.2.3		ELEVATOR SHAFTS	TYPE III.  2-HOUR RATED CONNECTING 4 STORIES OR MORE	ELEVATOR SHAFTS ARE 2-HOUR RATED WHERE SERVING 4 STORIES (3 ABOVE GRADE, 1 BASEMENT STORY) AND 1-HOUR RATED WHERE SERVIING LESS THAN 4 STORIES.	IBC, SECTION 713.4; NFPA 101, SECTION 8.6.5
7.2.4		CORRIDORS	NO RATING REQUIRED IN A FULLY SPRINKLERED BUILDING FOR THE OCCUPANCIES PRESENT IN THE BUILDING.	NOT PROVIDED: BUILDING IS FULLY SPRINKLERED	IBC, TABLE 1020.1; NFPA 101, SECTIONS 12.3.6, 38.3.6, AND 42.3.6
7.2.5		ELEVATOR MACHINE ROOM	REQUIRED TO HAVE A FIRE-RESISTANCE RATING NO LESS THAN THE REQUIRED RATING OF THE HOISTWAY ENCLOSURE SERVED BY THE MACHINERY.	ELEVATOR MACHINE ROOMS ARE 2-HOUR RATED TO MATCH THE REQUIRED RATING OF THE ELEVATOR SHAFTS.	I IBC, SECTION 3005.4
7.2.6		STRUCTURAL ELEMENTS	SUPPORTING CONSTRUCTION FOR A FIRE BARRIER SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE-RESISTANCE RATING OF THE FIRE BARRIER SUPPORTED	CONSTRUCTION SUPPORTING FIRE BARRIERS WILL BE PROTECTED WITH THE SAME FIRE-RESISTANCE RATING.	IBC, SECTION 707.5.1
707		SHAFTS		SHAFTS ARE 1-HOUR RATED WHERE SERVING 3 STORIES (3 ABOVE GRADE).	IBC, SECTION 713.4; NFPA 101, SECTION 8.6.5
7.2.7					
,	INTERIOR FINISHES INTERIOR WALL AND CEILING FINISHES	IBC: SPRINKLERED EXIT ENCLOSURES - CLASS B MINIMUM; SPRINKLERED EXIT ACCESS CORRIDORS - CLASS B MINIMUM; SPRINKLERED ENCLOSED SPACES - CLASS C	SPRINKLERED EXIT ACCESS CORRIDORS - CLASS B; SPRINKLERED OTHER SPACES -	INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B FOR EXIT ENCLOSURES AND EXIT ACCESS CORRIDORS. FINISHES WILL BE CLASS C FOR ALL OTHER ROOMS AND ENCLOSED SPACES.	IBC, TABLE 803.11; NFPA 101, TABLE A.10.2.2
'	FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER		BUILDING FOR ASSEMBLY OCCUPANCIES	BUILDING WILL BE PROVIDED WITH AUTOMATIC SPRINKLER	IBC, SECTION 903.2; NFPA 101, SECTION 12.3.5
9.1	SYSTEMS FIRE ALARM AND	REQUIRED FOR BUSINESS C	OCCUPANCIES FOR BUILDINGS THREE OR	SYSTEM THROUGHOUT. SEE FX SHEETS  NEW ADDRESSABLE FIRE ALARM SYSTEM WITH HORN/STROBE	IBC, SECTION 907.2; NFPA 101, SECTION 38.3.4.1
9.2	DETECTION SYSTEMS PORTABLE FIRE	MORE STORIES IN HEIGHT.  REQUIRED FOR OCCUPAN	ICIES PRESENT	NOTIFICATION WILL BE PROVIDED.  PROVIDED: SEE AE SHEETS	IBC, SECTION 906.1; NFPA 101, SECTION 38.3.5
	EXTINGUISHERS FIRE DEPARTMENT				IBC, SECTION 912.2
	CONNECTIONS		D SO THAT FIRE APPARATUS AND HOSE ESS TO THE BUILDING FOR OTHER FIRE	PROVIDED: SEE FX SHEETS	IBC, SECTION 912.2
	MEANS OF EGRESS	IBC:	NEDA 101.		IDC TABLE 1004 1 0: NEDA 101 TABLE 7 2 1 0
10.1	OCCUPANT LOAD	STORAGE/MECHANICAL	NFPA 101: UNCONCENTRATED ASSEMBLY: 15 NET	BASEMENT: 22	IBC, TABLE 1004.1.2; NFPA 101, TABLE 7.3.1.2
		ROOMS: 300 GROSS  EXHIBIT MUSEUM: 30 NET	BUSINESS USE: 150 GROSS	FIRST FLOOR: 446	
		UNCONCENTRATED ASSEMBLY: 15 NET	COLLOBORATION ROOMS (GREATER THAN 450 SF): 15 GROSS	SECOND FLOOR: 198	
		BUSINESS AREAS: 100 GROSS	COLLABORATION ROOMS (LESS THAN OR EQUAL TO 450 SF): 30 GROSS	THIRD FLOOR: 84	
		INDUSTRIAL AREAS: 100 GROSS	GENERAL INDUSTRIAL: 100 GROSS		
10.2	CAPACITY FACTORS	0.3" PER PERSON FOR STAI	 RS; 0.2" PER PERSON FOR HORIZONTAL		IBC, SECTION 1005.3; NFPA 101, SECTION 7.3.3.1
10.3	number of exits	IBC: 2 EXITS PER STORY REQUIRED	NFPA 101: 2 EXITS PER STORY REQUIRED	PROVIDED: 2 MEANS OF EGRESS PER STORY	IBC, TABLE 1006.3.1; NFPA 101, SECTION 7.4.1
	REQUIRED CLEAR WIDTHS DOORS	IBC: 32" MINIMUM	NFPA 101: 32"MINIMUM	PROVIDED: 32" MINIMUM	IBC, SECTION 1010.1.1; NFPA 101, SECTION 7.2.1.2.3
0.4.1	CORRIDOR	IBC: 44" MINIMUM FOR	NFPA 101: 32 MINIMUM FOR BUSINESS	PROVIDED: 44" MINIMUM	IBC, TABLE 1020.2; NFPA 101, SECTIONS 12.2.3.8 AN
0.4.2	STAIR	OCCUPANCIES PRESENT IN BUILDING IBC: 44" MINIMUM WHEN OCCUPANCY LOAD IS	OCCUPANCY SERVING AN OCCUPANT LOAD OF MORE THAN 50  NFPA 101: 44" MINIMUM WHEN OCCUPANCY LOAD IS GREATER THAN	PROVIDED: 44" MINIMUM	38.2.3.2 IBC, SECTION 1011.2; NFPA 101, 7.2.2.2.1.2
10.5	REMOTENESS OF EGRESS	GREATER THAN 50  IBC: 1/3 THE DIAGONAL  OF THE FULLY	NFPA 101: 1/3 THE DIAGONAL OF THE FULLY SPRINKLERED BUILDING	PROVIDED: SEPARATION OF EGRESS BY A MINIMUM OF 1/3 THE DIAGONAL	IBC, SECTION 1007.1.1; NFPA 101, SECTION 7.5.1.3.3
	EGRESS TRAVEL PATHS	SPRINKLERED BUILDING			
0.6.1	TRAVEL DISTANCE (SPRINKLERED)		NFPA 101: 250 FT FOR NEW ASSEMBLY; 300 FT FOR NEW BUSINESS	PROVIDED: 250 FT OR LESS	IBC, TABLE 1017.2; NFPA 101, TABLE A.7.6
0.6.2	COMMON PATH OF TRAVEL	IBC: 100 FT FOR GROUP B AND S OCCUPANCY; 75 FT FOR GROUP A	NFPA 101: 75 FT FOR NEW ASSEMBLY; 100 FT FOR NEW BUSINESS	PROVIDED: 75 FT OR LESS	IBC, TABLE 1006.2.1; NPFA 101, TABLE A.7.6
0.6.3	DEAD END CORRIDOR LENGTH (SPRINKLERED)	IBC: 50 FT FOR GROUP B AND S OCCUPANCY; 20 FT FOR GROUP A	1	PROVIDED: ALL DEAD END CORRIDORS ARE LESS THAN 20 FT	. IBC, SECTION 1020.4; NFPA 101, TABLE A.7.6
10.7	DISCHARGE FROM EXITS	IBC: EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR	NFPA 101: EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR	PROVIDED: EXITS DISCHARGE DIRECTLY TO THE EXTERIOR	IBC, SECTION 1028.1; NFPA 101, SECTION 7.7
10.8	STAIR RELATED REQUIREMENTS HEADROOM	IBC: 80" MINIMUM	NFPA 101: 80" MINIMUM	PROVIDED: 80" MINIMUM	IBC, SECTION 1011.3; NFPA 101, TABLE 7.2.2.2.1.1(a)
0.8.2	TREADS AND RISERS	AND TREADS SHALL BE 11" MINIMIM	(4" MINIMUM) AND TREADS SHALL BE 11" MINIMUM	PROVIDED: VARIES, NONE EXCEED MAXIMUM OF 7"	IBC, SECTION 1011.5.2; NFPA 101, TABLE 7.2.2.2.1.1(a)
0.8.3	HANDRAILS	LOCATED ON BOTH SIDES	NFPA 101: HANDRAILS SHALL BE LOCATED ON BOTH SIDES OF THE STAIR AND BETWEEN 34" AND 38" ABOVE STAIR TREAD	PROVIDED: HANDRAILS ON BOTH SIDES BETWEEN 34" AND 38	" IBC, SECTIONS 1011.11, 1014.2, AND 104.3; NFPA 101, SECTIONS 7.2.2.4.1.1 AND 7.2.2.4.5.1
0.8.4	GUARD RAILS	IBC: REQUIRED ON LANDINGS GREATER THAN 30" HIGH. GUARD HEIGHT TO BE 42" HIGH MINIMUM	NFPA 101: REQUIRED ON LANDINGS GREATER THAN 30" HIGH. GUARD HEIGHT TO BE 42" HIGH MINIMUM	PROVIDED: GUARD RAILS WITH A MINIMUM HEIGHT OF 42"	IBC, SECTIONS 1015.2 AND 1015.3; NFPA 101, SECTIONS 7.1.8 AND 7.2.2.4.6.2
10.8.5	VERTICAL RISE	IBC: STAIRS SHALL NOT HAVE A VERTICAL RISE GREATER THAN 12 FT BETWEEN LANDINGS	NFPA 101: MAXIMUM HEIGHT OF 12 FT BETWEEN LANDINGS	PROVIDED: VARIES, NO LANDINGS EXCEED 12 FT OF VERTICAL RISE	IBC, SECTION 1011.8; NFPA 101, TABLE 7.2.2.2.1.1(a)



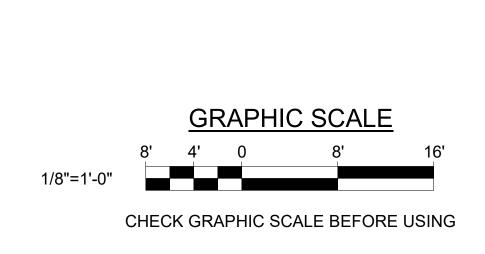
#### **GENERAL NOTES**

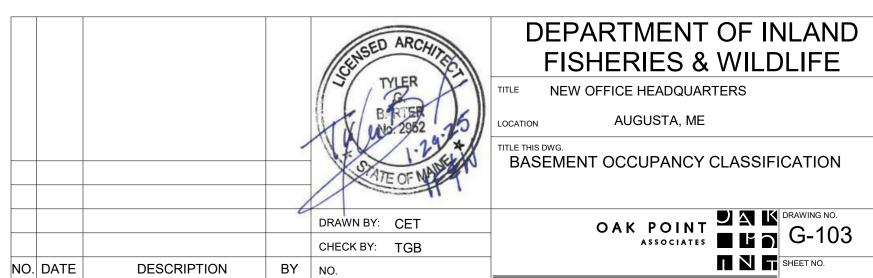
1. SEE SHEETS G-108 THRU G-111 FOR LIFE SAFETY PLANS.



#### OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	MIXED, NON-SEPARATED ASSEMBLY, BUSINESS, AND STORAGE	MIXED, NON-SEPARATED ASSEMBLY, GROUP A-3; BUSINESS, GROUP B; AND STORAGE, GROUP S-1
	MIXED, NON-SEPARATED BUSINESS AND STORAGE	MIXED, NON-SEPARATED BUSINESS, GROUP B, AND STORAGE, GROUP S-1
	BUSINESS	BUSINESS, GROUP B
	STORAGE	STORAGE, GROUP S-1





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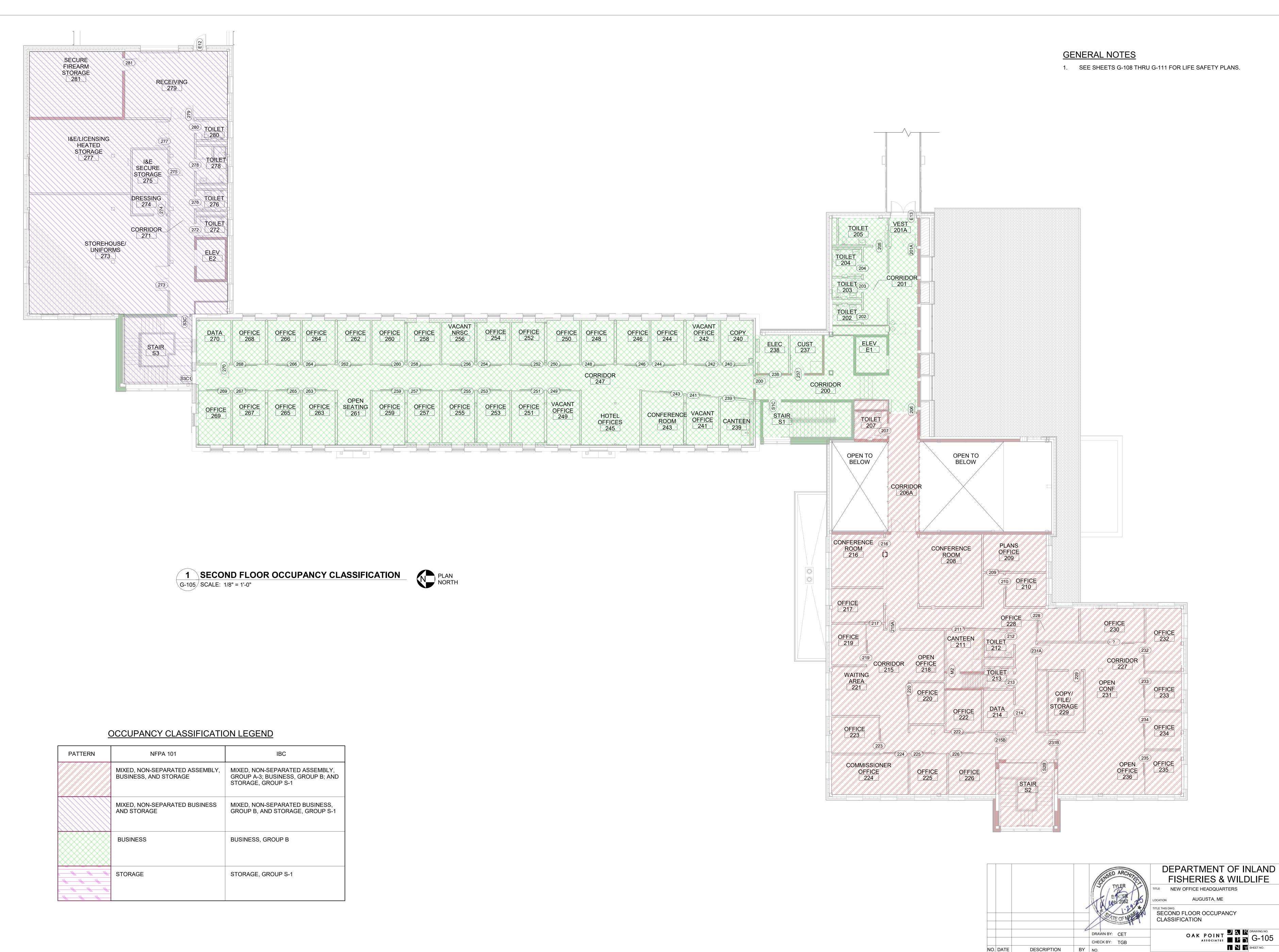
ARCHITECTURE ■ ENGINE 1

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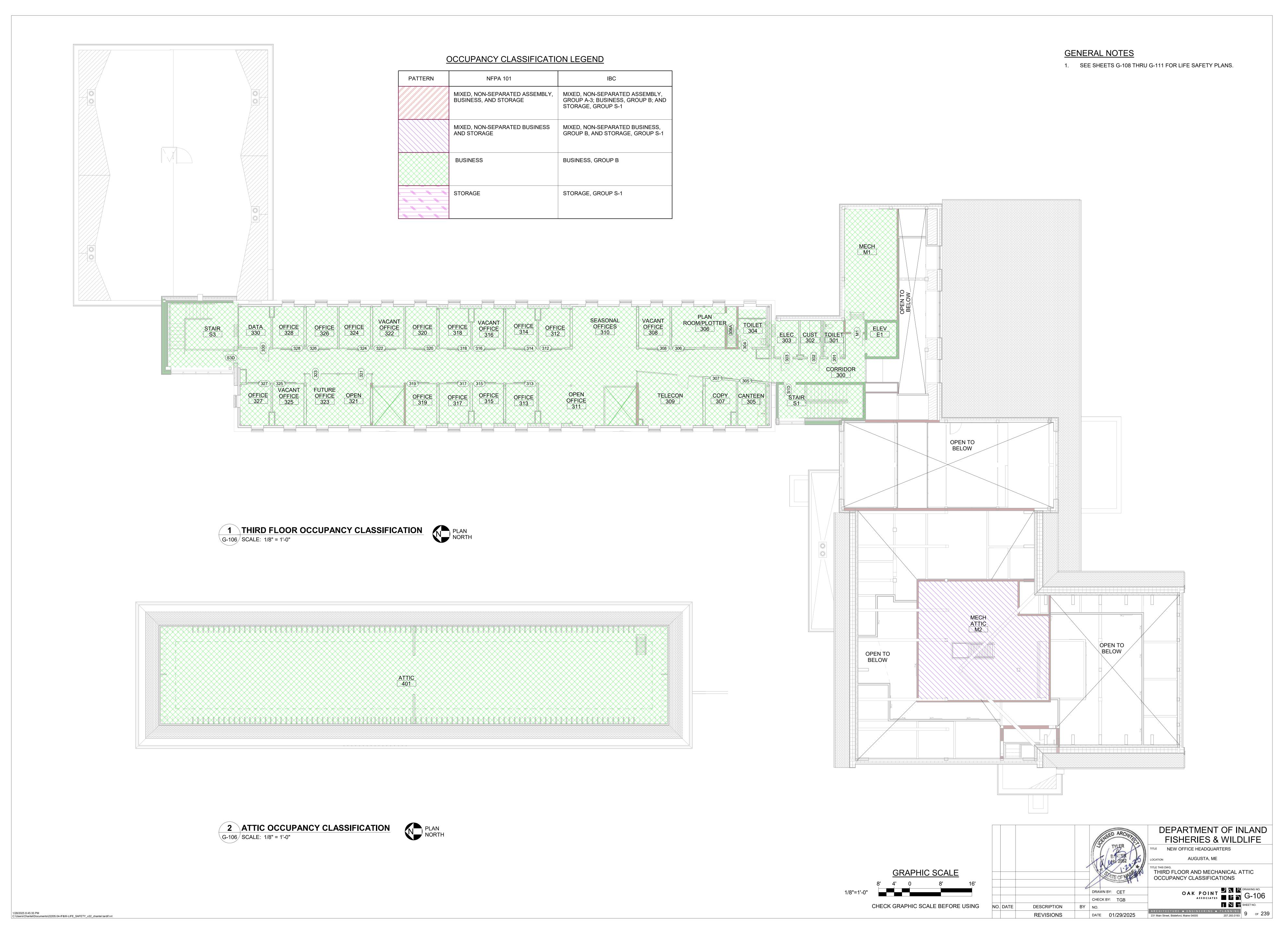




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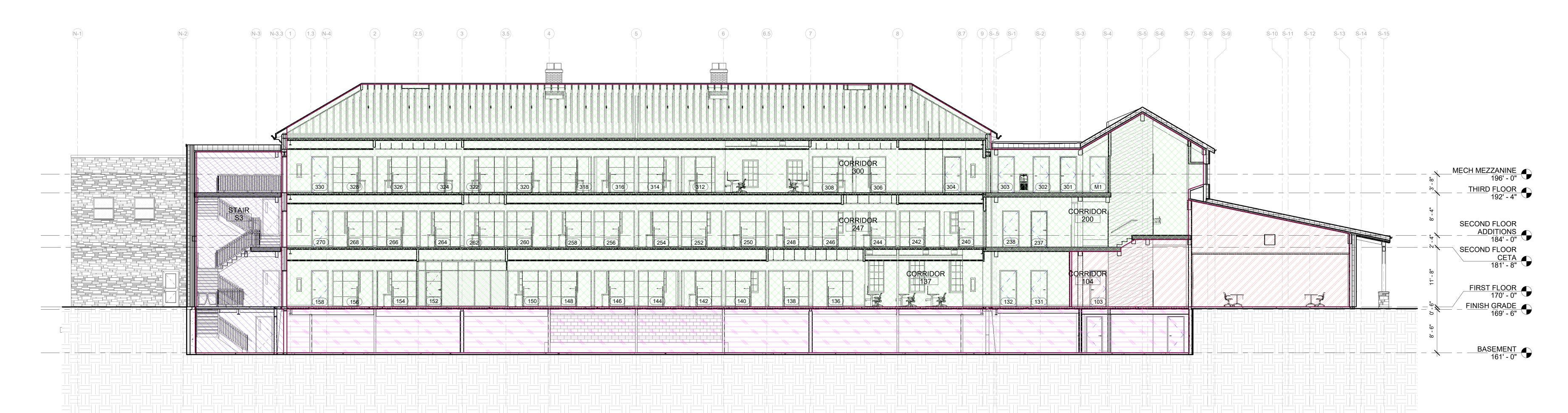
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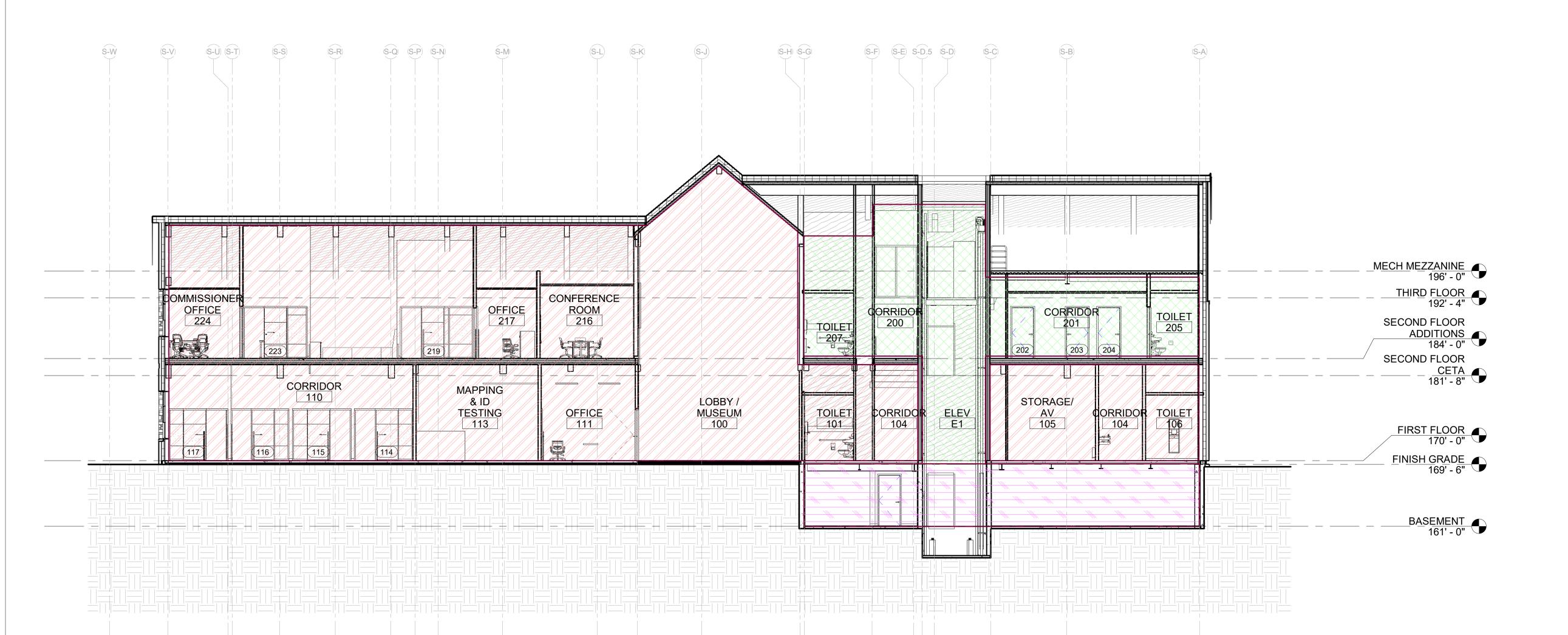


#### **GENERAL NOTES**

#### 1. SEE SHEETS G-108 THRU G-111 FOR LIFE SAFETY PLANS.

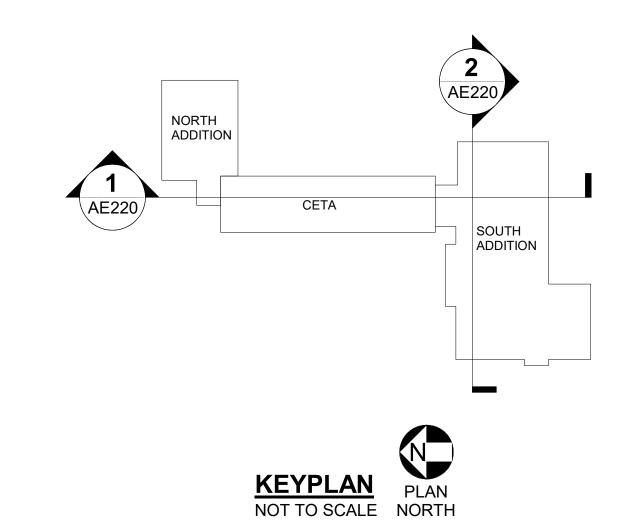


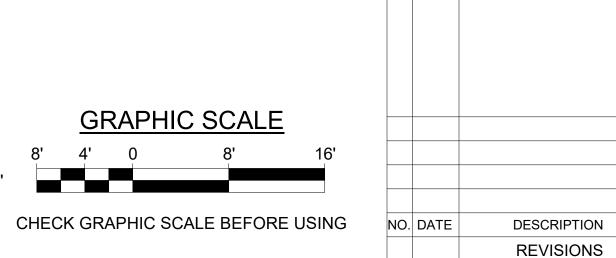
#### 1 BUILDING SECTION NORTH/SOUTH G-107 SCALE: 1/8" = 1'-0"



#### OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	MIXED, NON-SEPARATED ASSEMBLY, BUSINESS, AND STORAGE	MIXED, NON-SEPARATED ASSEMBLY, GROUP A-3; BUSINESS, GROUP B; AND STORAGE, GROUP S-1
	MIXED, NON-SEPARATED BUSINESS AND STORAGE	MIXED, NON-SEPARATED BUSINESS, GROUP B, AND STORAGE, GROUP S-1
	BUSINESS	BUSINESS, GROUP B
	STORAGE	STORAGE, GROUP S-1





**GRAPHIC SCALE** 

DRAWN BY: CET CHECK BY: TGB

DATE 01/29/2025

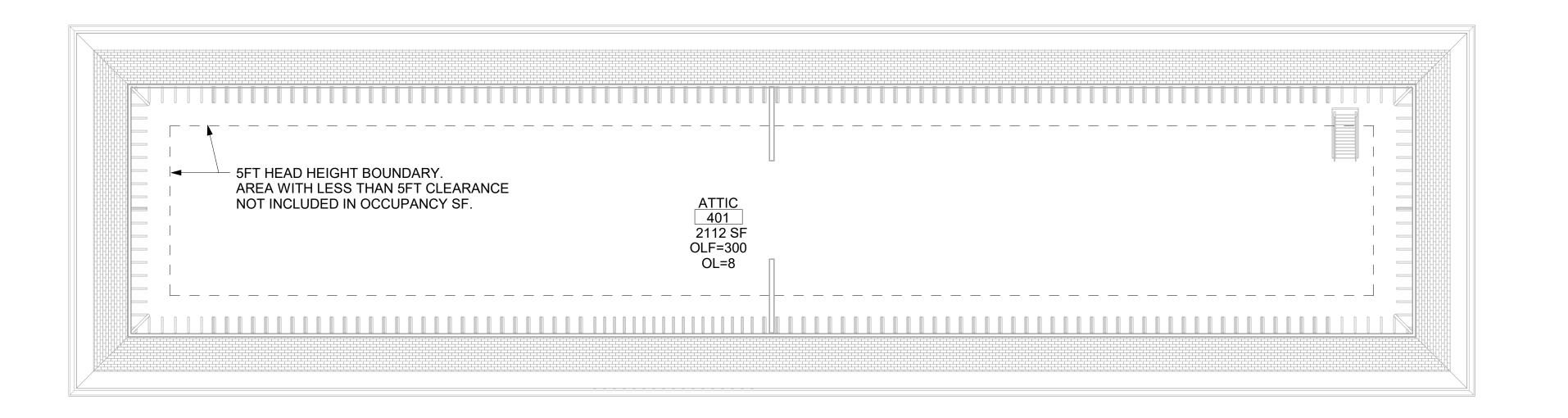
DEPARTMENT OF INLAND FISHERIES & WILDLIFE NEW OFFICE HEADQUARTERS AUGUSTA, ME OCCUPANCY CLASSIFICATIONS SECTIONS OAK POINT DRAWING NO.

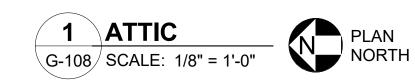
G-107

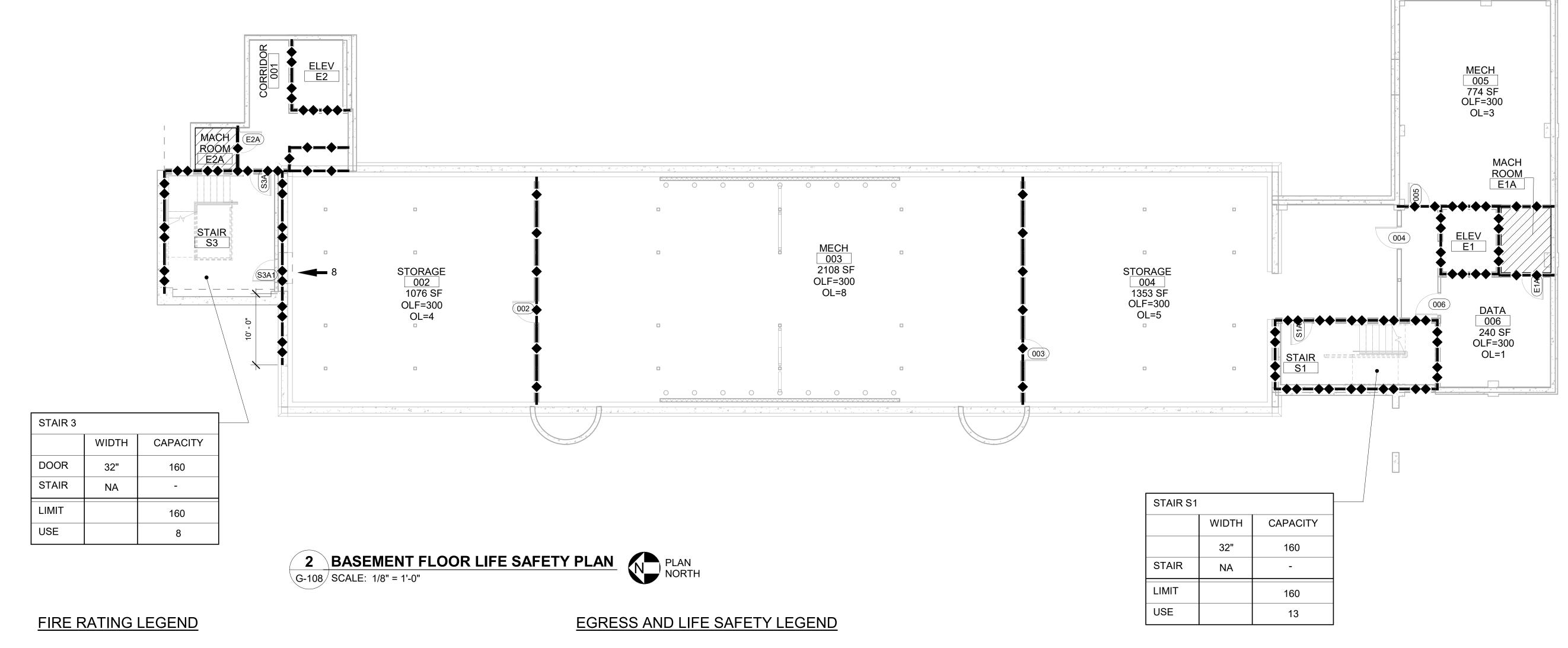
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2 BUILDING SECTION EAST/WEST G-107 SCALE: 1/8" = 1'-0"





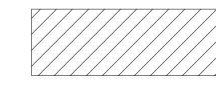


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2-HOUR FIRE BARRIER WITH WALL EXTENDING TO UNDERSIDE OF THE ROOF OR FLOOR DECK ABOVE; 90-MINUTE SELF-CLOSING AND SELF-LATCHING DOORS WITH VISION PANELS LIMITED TO 100 SQUARE INCHES; 120-MINUTE FIRE-RESISTANCE-RATED WINDOWS; FIRE DAMPERS AT DUCTWORK PENETRATIONS; AND 2-HOUR FIRESTOPPING SYSTEMS AT PENETRATIONS AND JOINTS.



1-HOUR FIRE BARRIER WITH WALL EXTENDING TO UNDERSIDE OF THE ROOF OR FLOOR DECK ABOVE; 60-MINUTE OR 45-MINUTE (AS INDICATED) SELF-CLOSING AND SELF-LATCHING DOORS WITH VISION PANELS LIMITED TO THE AREA TESTED; 60-MINUTE FIRE-RESISTANCE-RATED WINDOWS AT STAIRS AND ELEVATORS; 45-MINUTE FIRE-PROTECTION RATED WINDOWS ELSEWHERE; AND 1-HOUR FIRESTOPPING SYSTEMS AT PENETRATIONS AND JOINTS.



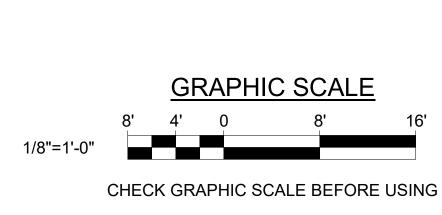
1-HOUR FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE HATCHED AREA WITH 1-HOUR FIRESTOPPING SYSTEMS AT PENETRATIONS AND JOINTS.

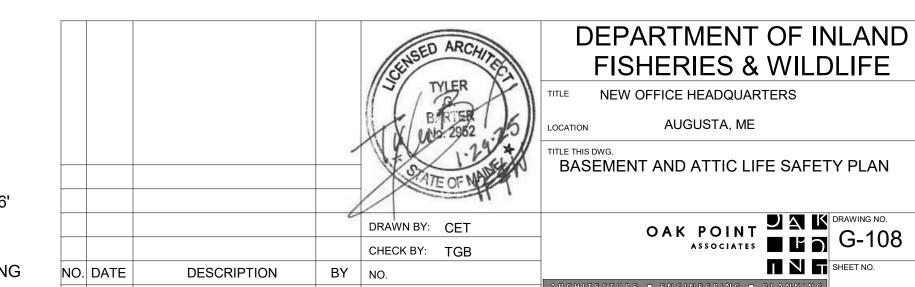
0	TRAVEL PATH
xxx—	EGRESSING OCCUPANTS EN-ROUTE TO EXIT (SHOWN FOR CLARITY ONLY)
XXX =>	OCCUPANT UTILIZING EXIT
OL	OCCUPANT LOAD
OLF	OCCUPANT LOAD FACTOR
SF	SQUARE FEET

FIRE EXTINGUISHER

#### **GENERAL NOTES**

- SEE SHEET G-101 FOR FIRE PROTECTION SITE OVERVIEW. SEE SHEETS G-102 BUILDING CODE SUMMARY. SEE SHEETS G-103 THRU G-107 FOR OCCUPANCY CLASSIFICATIONS. SEE SHEETS G-108 THRU G-111 FOR LIFE SAFETY AND AND FOR CALCULATED OCCUPANT LOAD AND EGRESS CAPACITY TABLES.
- 2. SEE ARCHITECTURAL SHEETS FOR WALL TYPES. EXTEND WALL RATINGS (FOR WALLS THAT ARE NOT MULTISTORY AND AT THE TOP OF WALLS THAT ARE MULTISTORY) TO THE UNDERSIDE OF THE DECK ABOVE. WHERE A RATED WALL ALIGNS PARALLEL WITH A STRUCTURAL MEMBER, PROVIDE STRUCTURAL MEMBER WITH AN EQUIVALENT FIRE-RESISTANT RATING.
- THE FLOORS MUST BE CONSTRUCTED AS SMOKE BARRIERS UNLESS NOTED OTHERWISE. PENETRATIONS, VOIDS, JOINTS, AND GAPS OF THE FLOOR ASSEMBLIES THAT DO NOT OCCUR AS PART OF THE FIRE RATED ASSEMBLY MUST BE SEALED TO MAINTAIN THE FLOOR AS A SMOKE BARRIER WITH SMOKE RESISTANT SEALANT, LISTED FOR THE INSTALLED ENVIRONMENT. AREAS INDICATED TO HAVE A FIRE RESISTANT RATING MUST BE FIRESTOPPED AT PENETRATIONS, VOID, JOINTS, AND GAPS.
- 4. SEE ARCHITECTURAL SHEETS FOR FIRESTOPPING DETAILS.
- 5. PROVIDE FIRE DAMPERS AT DUCTWORK PENETRATIONS OF FLOORS, AT SHAFT WALL PENETRATIONS, AND AT 2-HOUR OR HIGHER FIRE RESISTANT RATED WALLS WITH THE EXCEPTION OF WHERE PROHIBITED BY APPLICABLE NFPA CODES (SUCH AS FOR GREASE DUCTS).
- A RATED DOOR ASSEMBLY IS AS DEFINED BY NFPA 80 AND INCLUDES THE DOOR, FRAME, HARDWARE, AND OTHER REQUIRED ACCESSORIES.
- DO NOT PENETRATE STAIR, ELEVATOR, AND ELEVATOR MACHINE ROOM ENCLOSURES UNLESS PERMITTED BY APPLICABLE CODES. PROVIDE PERMITTED PENETRATIONS WITH FIRESTOPPING ASSEMBLIES.
- 8. PROVIDE MODULAR, RE-ENTERABLE FIRESTOPPING DEVICE(S) CONTAINING SELF-SEALING INTUMESCENT INSERTS AT PENETRATION(S) OF FIRE-RATED PARTITION(S), WALL(S), OR FLOOR(S) BY DATA AND/OR COMMUNICATION WIRING. DEVICES MUST NOT REQUIRE MODIFICATION WHEN FUTURE CABLES ARE RUN.
- 9. INSTALL FIRESTOPPING ASSEMBLY AT PENETRATIONS, VOIDS, JOINTS, AND GAPS IN ACCORDANCE WITH THE LISTED FIRESTOPPING ASSEMBLY, INCLUDING PROVIDING INDEPENDENT SUPPORT OF THE PENETRATING ITEMS (WHERE REQUIRED BY THE LISTING OF THE SELECTED SYSTEM); ENSURING THAT SLEEVES COMPLY WITH THE ASSEMBLY SELECTED; AND OTHER ITEMS IN ACCORDANCE WITH THE LISTING. CLEAN WORK AREA PRIOR TO FIRESTOPPING.
- 10. LISTED FIRESTOPPING ASSEMBLIES FOR JOINTS AND GAPS DO NOT PERMIT PENETRATIONS THROUGH THE JOINT OR GAP. DO NOT PENETRATE JOINTS AND GAPS OF RATED WALL AND FLOOR ASSEMBLIES.
- 11. AT FIRE BARRIERS AND SMOKE PARTITIONS, PROVIDE SIGNAGE INDICATIONS A RATED WALL, AND NOT TO PENETRATE IT ("FIRE BARRIER-PROTECT OPENINGS", "SMOKE PARTITION-PROTECT OPENINGS", FIRE BARRIER ABOVE-PROTECT OPENINGS" OR "FIRE BARRIER BELOW-PROTECT OPENINGS" AS APPLICABLE). SIGNAGE MUST COMPLY WITH IBC CRITERIA. AT HORIZONTAL ASSEMBLIES, PROVIDE THIS SIGN AROUND THE PERIMETER OF THE APPLICABLE SPACE. DO NOT INSTALL SIGNAGE WITHIN THE STAIRS.
- 12. PROVIDE DRAFTSTOPPING AND FIRESTOPPING AS REQUIRED BY NFPA 101 AND IBC.
- 13. BRACKET MOUNT FIRE EXTINGUISHERS THAT ARE NOT PROVIDED IN FIRE EXTINGUISHER CABINETS. PROVIDE 3-DIMENSIONAL FIRE EXTINGUISHER SIGN(S) ABOVE FIRE EXTINGUISHER(S). LOCATE CENTER OF SIGN AT 66" ABOVE FINISHED FLOORS. PROVIDE RED AND WHITE ARROW SIGN WITH RED TEXT STATING "FIRE EXTINGUISHER".
- 14. PROVIDE ONE SET OF FULL SIZE FIRESTOPPING AS-BUILT DRAWINGS IN THE SPRINKLER OR FIRE ALARM DOCUMENT CABINET.
- 15. DO NOT CONCEAL ITEMS PRIOR TO INSPECTION AND ACCEPTANCE BY THE OWNER.
- 16. SEE ELECTRICAL SHEETS FOR EXIT SIGN LOCATIONS.
- 17. SEE FIRE ALARM SHEETS FOR LOCATIONS OF FIRE ALARM CONTROL PANEL, FIRE SYSTEM ANNUNCIATOR, ARE OF REFUGE EMERGENCUY COMMUNICATION SYSTEM, AND FIRE DEPARTMENT KEY LOCK BOX.





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#### **GENERAL NOTES**

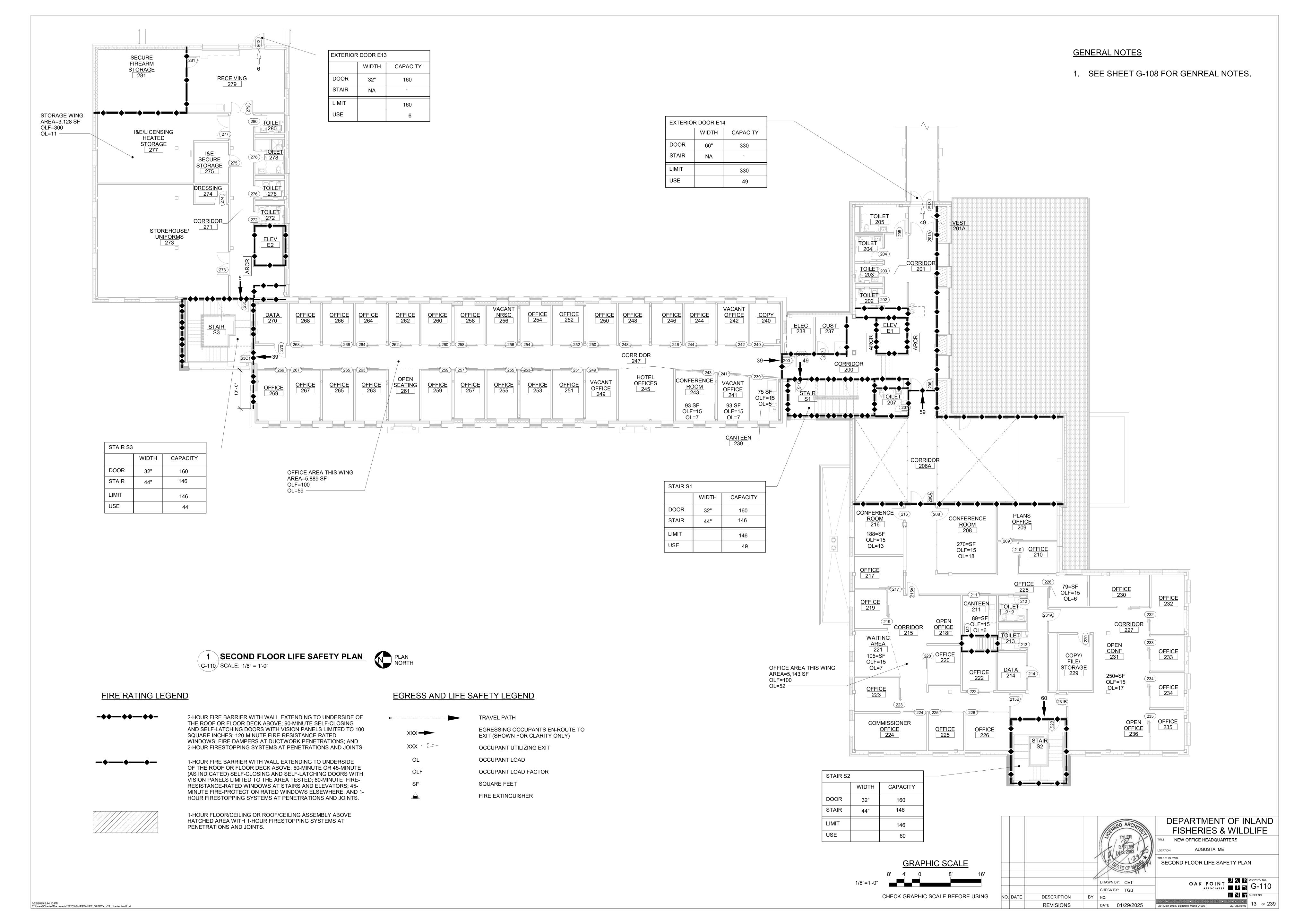
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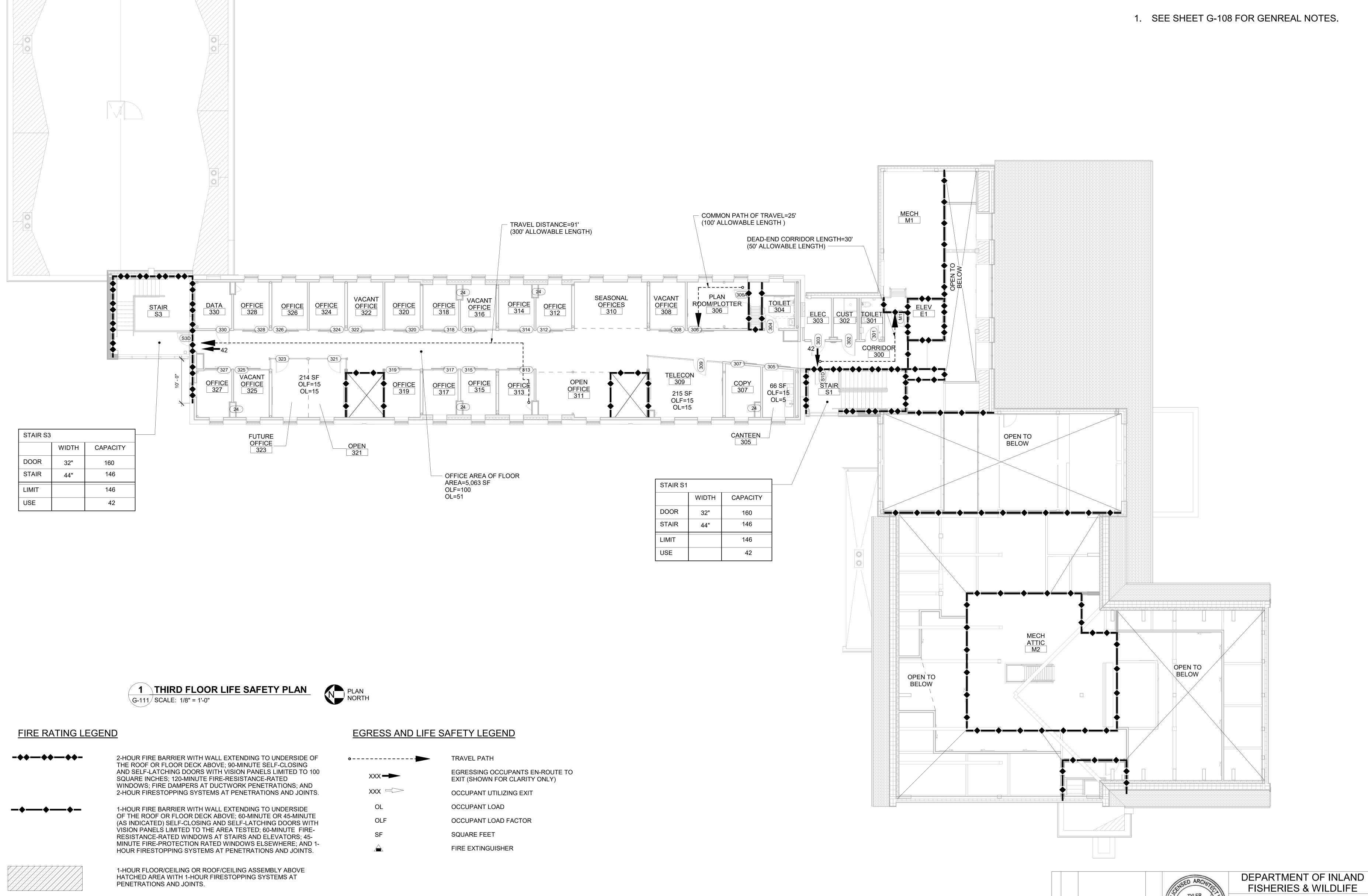
1. SEE SHEET G-108 FOR GENREAL NOTES.

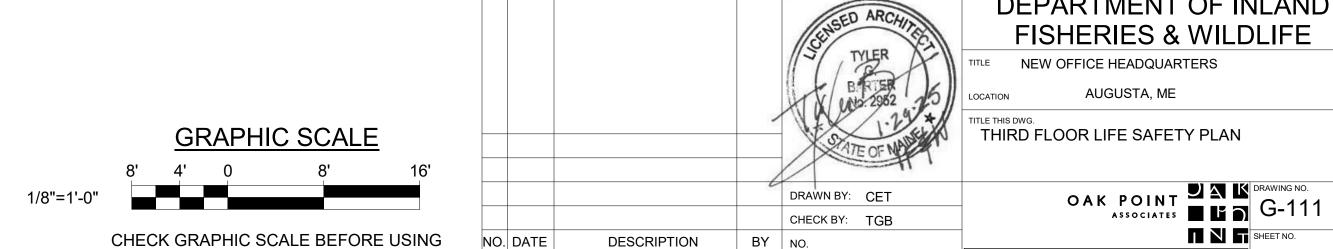






1. SEE SHEET G-108 FOR GENREAL NOTES.





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SHEET NO.



RENDER 1 - SOUTH



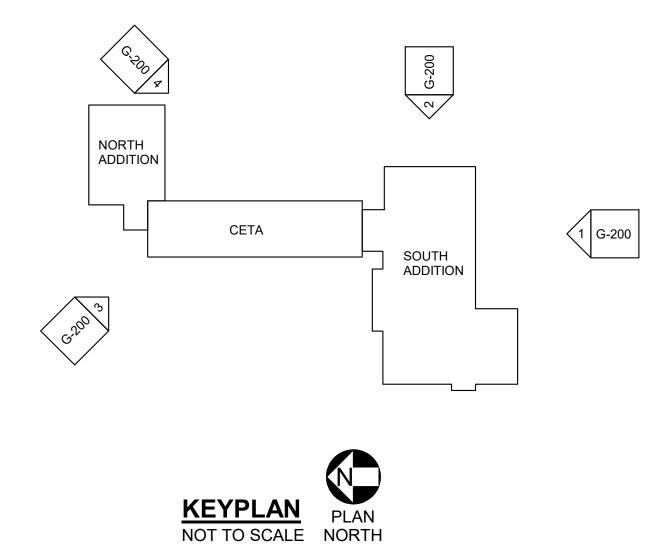
RENDER 3 - NORTH WEST

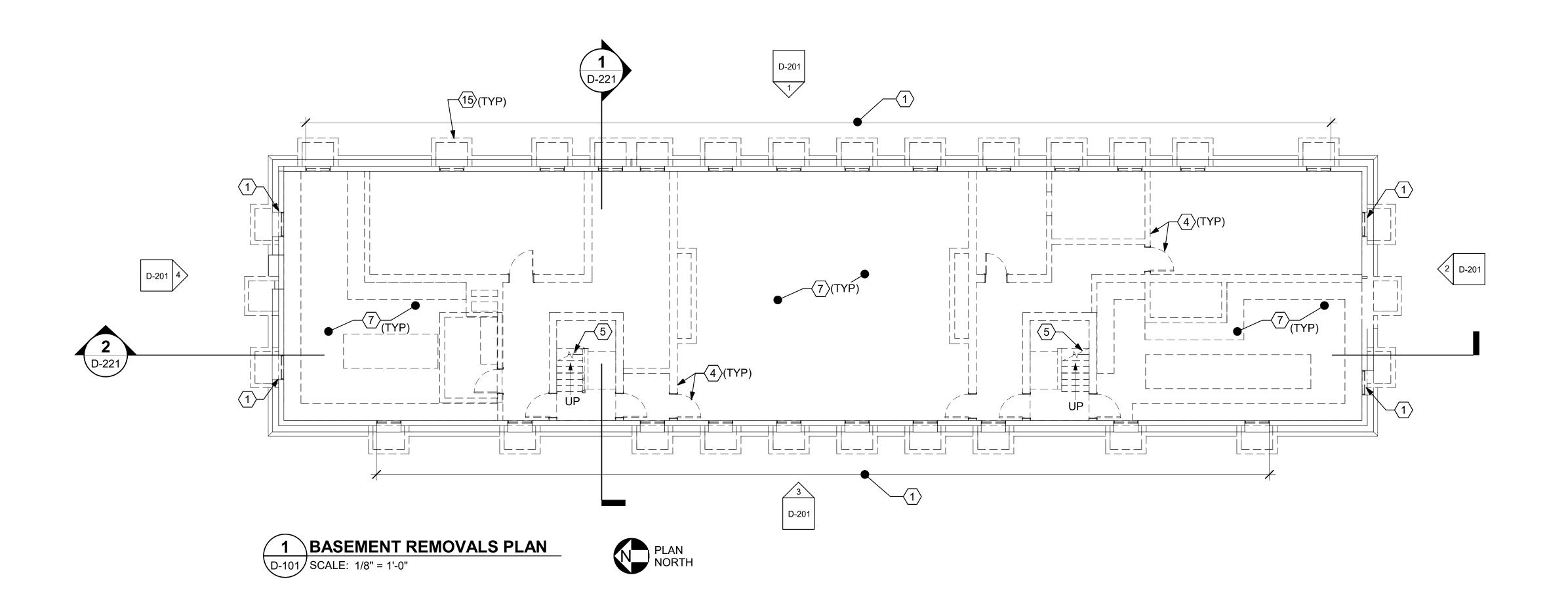


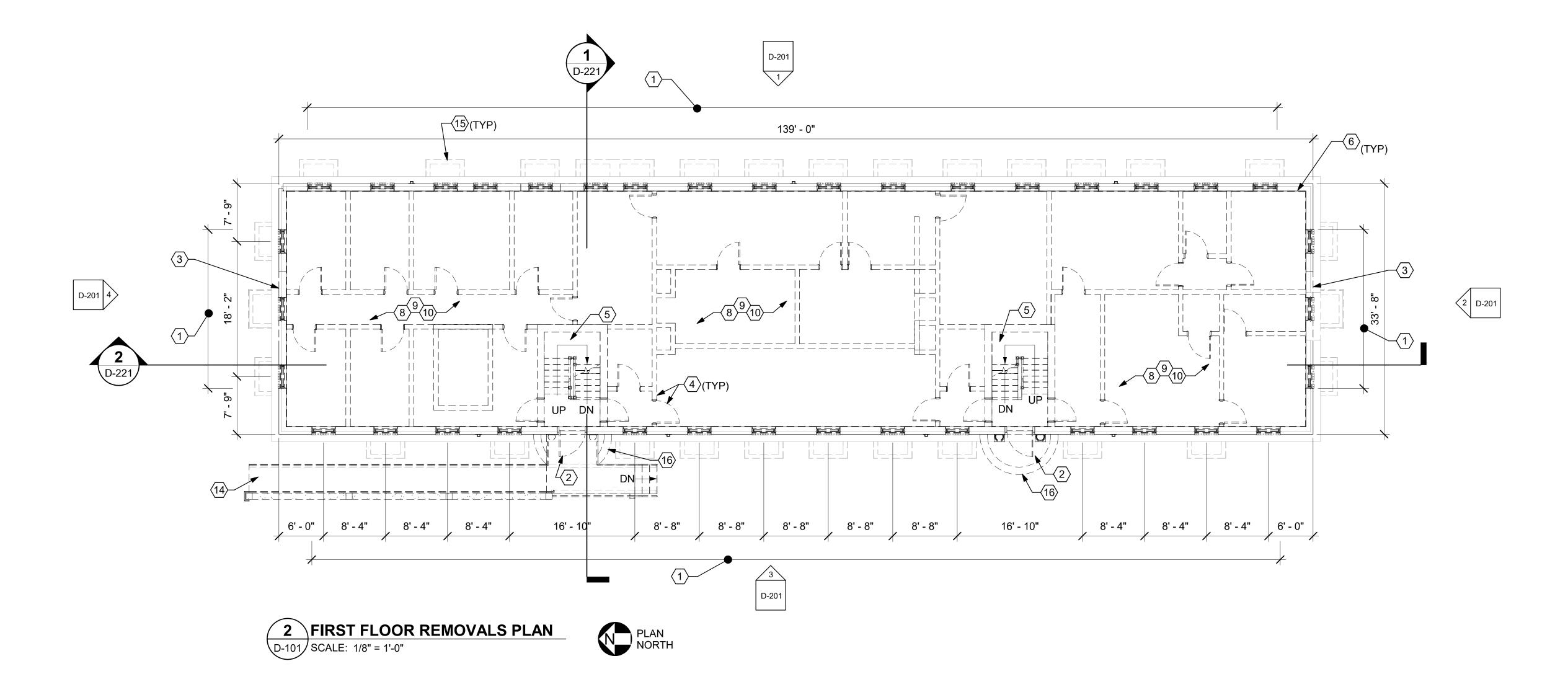
RENDER 2 - EAST



RENDER 4 - NORTH EAST







#### GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

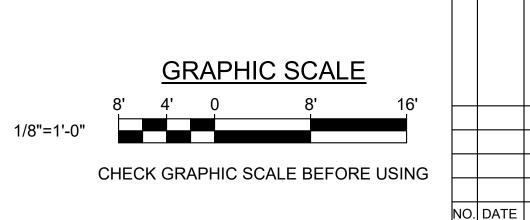
- GENERAL INTENT OF REMOVALS IS TO COMPLETLY GUT THE INTERIOR OF THE EXISTING BUILDING. INCLUDING INTERIOR STRUCTURE, WHILE PRESERVING THE EXISTING EXTERIOR HISTORIC MASONRY WALLS AND ROOF STRUCTURE FOR REUSE.
- 2. SEE SHEET G-XXX FOR ADDITIONAL GENERAL REMOVALS AND HAZARDOUS MATERIALS NOTES.
- 3. REMOVALS KEYNOTES INDICATED ON "D-" SHEETS ARE REPRESENTATIVE OF GENERAL ITEMS TO BE REMOVED AND ARE NOT INTENDED TO IDENTIFY EACH ITEM ON EVERY WALL, FLOOR, CEILING, OR ELEVATION. VERIFY IN FIELD COMPLETE WORK ASSOCIATED WITH REMOVALS.
- 4. STORE AND PROTECT FROM WEATHER ITEMS TO BE REMOVED, SALVAGED, AND REINSTALLED. PREPARE SALVAGED ITEMS FOR REINSTALLATION.
- 5. REMOVE ITEMS AND COMPONENTS INDICATED TO BE REMOVED IN THEIR ENTIRETY. CLEAN AND PREPARE EXISTING ITEMS AND AREAS TO REMAIN TO RECIEVE FINAL FINISHES.COORDIANTE WITH CONSTRUCTION DOCUMENTS AND HAZARDOUS MATERIALS REMOVALS.
- 6. EXISTING CONDITION DESCRIPTIONS ARE BASED ON ORIGINAL DRAWINGS DATED 6-27-1927. SEE SPECIFICATIONS FOR EXISTING ORIGINAL DRAWINGS.
- 7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
- 8. COORDINATE REMOVALS WITH ALL DISCIPLINES.

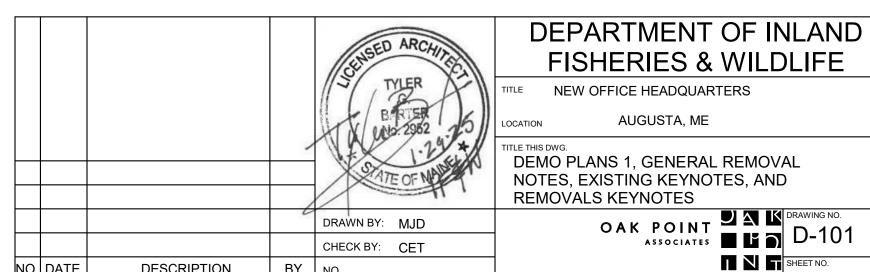
#### EXISTING KEYNOTES (SHEETS D-101 THRU D-221)

1 EXISTING ROOF FRAMING TO REMAIN. SEE SHEET SD101 FOR LOCALIZED ROOF FRAMING REMOVALS.

#### **DEMOLITION KEYNOTES** (SHEETS D-101 THRU D-221)

- REMOVE EXTERIOR WINDOWS, TRIM AND SUBFRAMES.
  BASEMENT WINDOWS: 3'-2" X 3'-8" HOPPER
  FIRST FLOOR WINDOWS: 3'-2" X 6'-10" DOUBLE HUNG
  SECOND FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
  THIRD FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
- 2 REMOVE 3'-6" X 7'-0" EXTERIOR DOORS AND SUBFRAMES.
- (3) REMOVE PORTION OF EXTERIOR WALL. SEE D-201 FOR DIMENSIONS.
- (4) REMOVE INTERIOR DOORS AND PARTITIONS.
- 5 REMOVE INTERIOR REINFORCED CONCRETE STAIRS AND LANDINGS.
- 6 REMOVE INTERIOR PLASTER FINISH ON EXTERIOR WALLS TO FACE OF BRICK.
- 7 REMOVE EXISTING 3"+/- CONCRETE SLAB-ON-GROUND.
- (8) REMOVE EXISTING 2"+/- ELEVATED CONCRETE SLAB ON DRAPED STEEL MESH.
- (9) REMOVE EXISTING 8"+/- DEEP OPEN WEB STEEL JOISTS. EXISTING JOIST SPACING VARIES.
- (10) REMOVE EXISTING STEEL BEAMS AND COLUMNS. BEAM DEPTHS/WEIGHTS VARY.
- (11) REMOVE EXISTING ROOFING.
- (12) REMOVE EXISTING HVAC EQUIPMENT & DUCTING, COMPLETE.
- (13) REMOVE EXISTING GALVANIZED GUTTER AND DOWNSPOUT SYSTEM
- (14) REMOVE EXTERIOR CONCRETE RAMP, STAIR AND RAILINGS.
- (15) REMOVE CONCRETE LIGHTWELL.
- (16) REMOVE GRANITE STEPS.
- REMOVE ORNAMENTAL WOOD DOOR CASING, ORNAMENTAL WOOD COLUMNS AND COPPER ROOF. PATCH AND PREPARE SURFACE FOR INSTALLATION OF NEW CASING.
- (18) REMOVE AND SALVAGE GRANITE KEYSTONE AND BRICK ARCHES.
- $\overline{\mbox{19}}$  REMOVE MASONRY CHIMNEY.
- (20) REMOVE PLASTER WINDOW ARCH INFILL.
- CLEAN HISTORIC MASONRY IN ENTIRETY. REFER TO MASONRY RESTORATION AND REHABILITATION NOTES ON D-201.

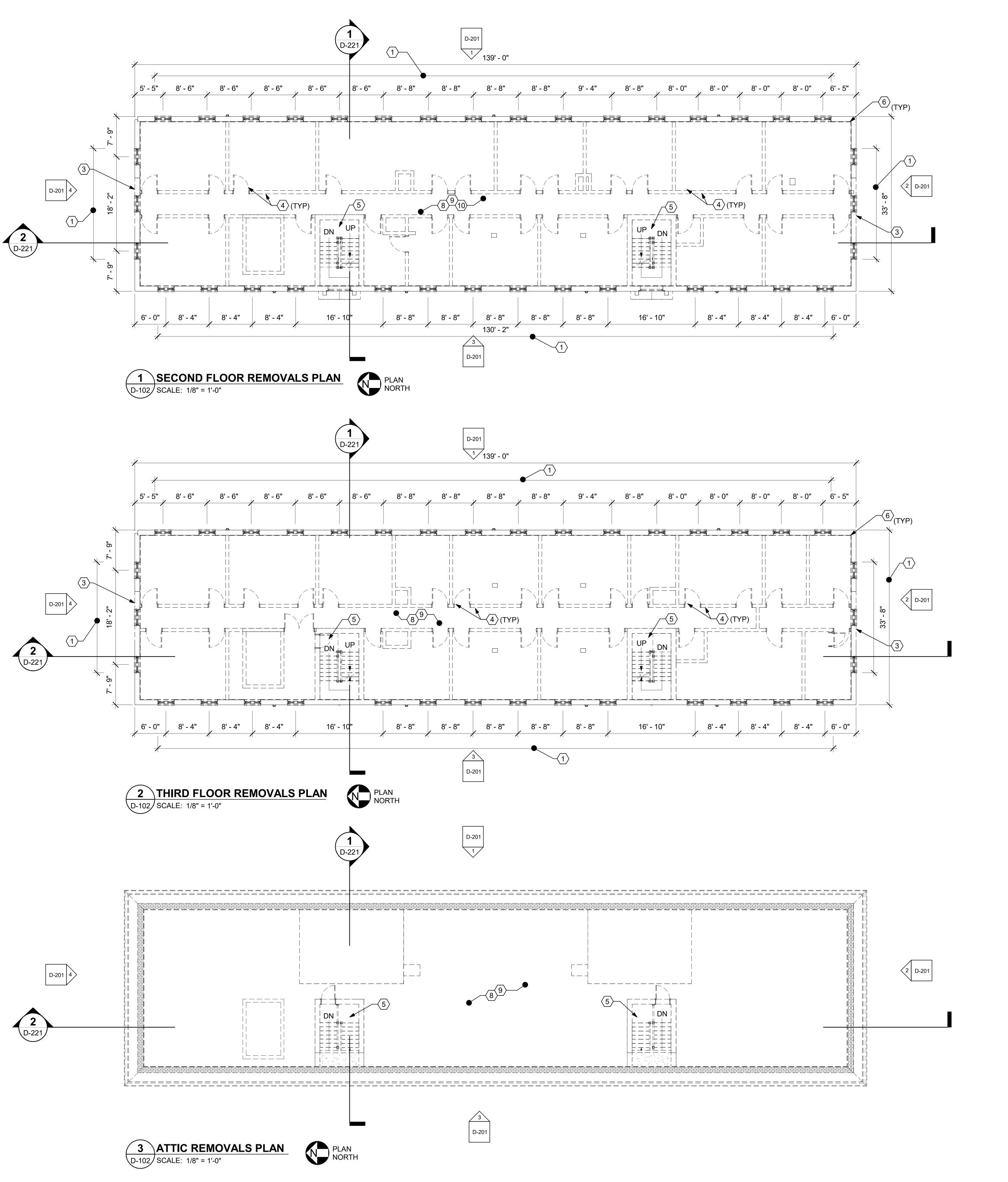




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#### GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

- GENERAL INTENT OF REMOVALS IS TO COMPLETLY GUT THE INTERIOR OF THE EXISTING BUILDING. INCLUDING INTERIOR STRUCTURE, WHILE PRESERVING THE EXISTING EXTERIOR HISTORIC MASONRY WALLS AND ROOF STRUCTURE FOR REUSE.
- 2. SEE SHEET G-XXX FOR ADDITIONAL GENERAL REMOVALS AND HAZARDOUS MATERIALS NOTES.
- 3. REMOVALS KEYNOTES INDICATED ON "D-" SHEETS ARE REPRESENTATIVE OF GENERAL ITEMS TO BE REMOVED AND ARE NOT INTENDED TO IDENTIFY EACH ITEM ON EVERY WALL, FLOOR, CEILING, OR ELEVATION. VERIFY IN FIELD COMPLETE WORK ASSOCIATED WITH REMOVALS.
- 4. STORE AND PROTECT FROM WEATHER ITEMS TO BE REMOVED, SALVAGED, AND REINSTALLED. PREPARE SALVAGED ITEMS FOR REINSTALLATION.
- 5. REMOVE ITEMS AND COMPONENTS INDICATED TO BE REMOVED IN THEIR ENTIRETY. CLEAN AND PREPARE EXISTING ITEMS AND AREAS TO REMAIN TO RECIEVE FINAL FINISHES.COORDIANTE WITH CONSTRUCTION DOCUMENTS AND HAZARDOUS MATERIALS REMOVALS.
- 6. EXISTING CONDITION DESCRIPTIONS ARE BASED ON ORIGINAL DRAWINGS DATED 6-27-1927. SEE SPECIFICATIONS FOR EXISTING ORIGINAL DRAWINGS.
- 7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
- 8. COORDINATE REMOVALS WITH ALL DISCIPLINES.

#### **EXISTING KEYNOTES** (SHEETS D-101 THRU D-221)

EXISTING ROOF FRAMING TO REMAIN. SEE SHEET SD101 FOR LOCALIZED ROOF FRAMING REMOVALS.

#### **DEMOLITION KEYNOTES** (SHEETS D-101 THRU D-221)

- REMOVE EXTERIOR WINDOWS, TRIM AND SUBFRAMES.
  BASEMENT WINDOWS: 3'-2" X 3'-8" HOPPER
  FIRST FLOOR WINDOWS: 3'-2" X 6'-10" DOUBLE HUNG
  SECOND FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
  THIRD FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
- 2 REMOVE 3'-6" X 7'-0" EXTERIOR DOORS AND SUBFRAMES.
- $\langle 3 \rangle$  REMOVE PORTION OF EXTERIOR WALL. SEE D-201 FOR DIMENSIONS.
- (4) REMOVE INTERIOR DOORS AND PARTITIONS.
- (5) REMOVE INTERIOR REINFORCED CONCRETE STAIRS AND LANDINGS.
- (6) REMOVE INTERIOR PLASTER FINISH ON EXTERIOR WALLS TO FACE OF BRICK.
- (7) REMOVE EXISTING 3"+/- CONCRETE SLAB-ON-GROUND.
- (8) REMOVE EXISTING 2"+/- ELEVATED CONCRETE SLAB ON DRAPED STEEL MESH.
- (9) REMOVE EXISTING 8"+/- DEEP OPEN WEB STEEL JOISTS. EXISTING JOIST SPACING VARIES.
- (10) REMOVE EXISTING STEEL BEAMS AND COLUMNS. BEAM DEPTHS/WEIGHTS VARY.
- $\langle 11 \rangle$  REMOVE EXISTING ROOFING.
- (12) REMOVE EXISTING HVAC EQUIPMENT & DUCTING, COMPLETE.
- (13) REMOVE EXISTING GALVANIZED GUTTER AND DOWNSPOUT SYSTEM
- (14) REMOVE EXTERIOR CONCRETE RAMP, STAIR AND RAILINGS.
- (15) REMOVE CONCRETE LIGHTWELL.
- (16) REMOVE GRANITE STEPS.
- REMOVE ORNAMENTAL WOOD DOOR CASING, ORNAMENTAL WOOD COLUMNS AND COPPER ROOF. PATCH AND PREPARE SURFACE FOR INSTALLATION OF NEW CASING.
- (18) REMOVE AND SALVAGE GRANITE KEYSTONE AND BRICK ARCHES.
- (19) REMOVE MASONRY CHIMNEY.
- (20) REMOVE PLASTER WINDOW ARCH INFILL.
- CLEAN HISTORIC MASONRY IN ENTIRETY. REFER TO MASONRY RESTORATION AND REHABILITATION NOTES ON D-201.

GRAPHIC SCALE

8' 4' 0 8' 16'

CHECK GRAPHIC SCALE BEFORE USING

NO. DATE

DEPARTMENT OF INLAND
FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS

LOCATION AUGUSTA, ME

TITLE THIS DWG.
DEMO PLANS 2

OAK POINT
ASSOCIATES

IN IT

ARCHITECTURE - ENGINEERING - PLANNING

231 Main Street, Biddeford, Maine 04005

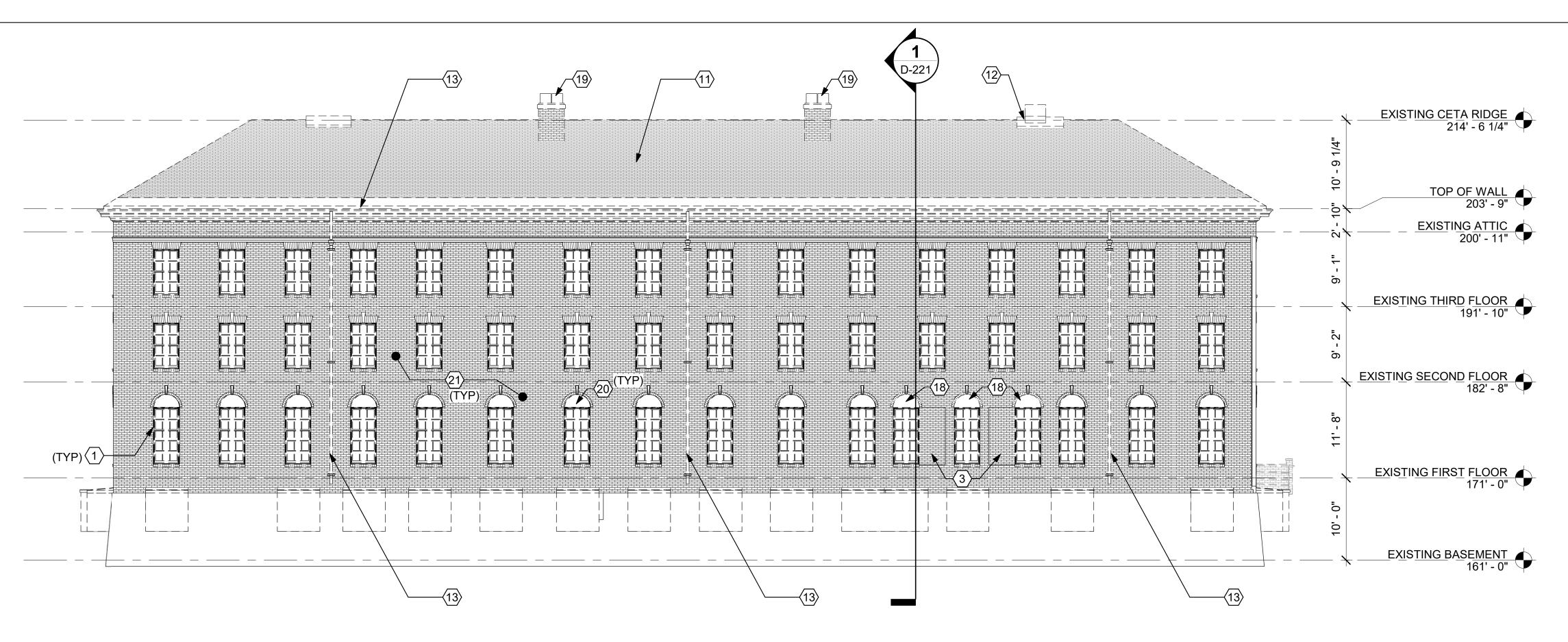
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DATE 01/29/2025

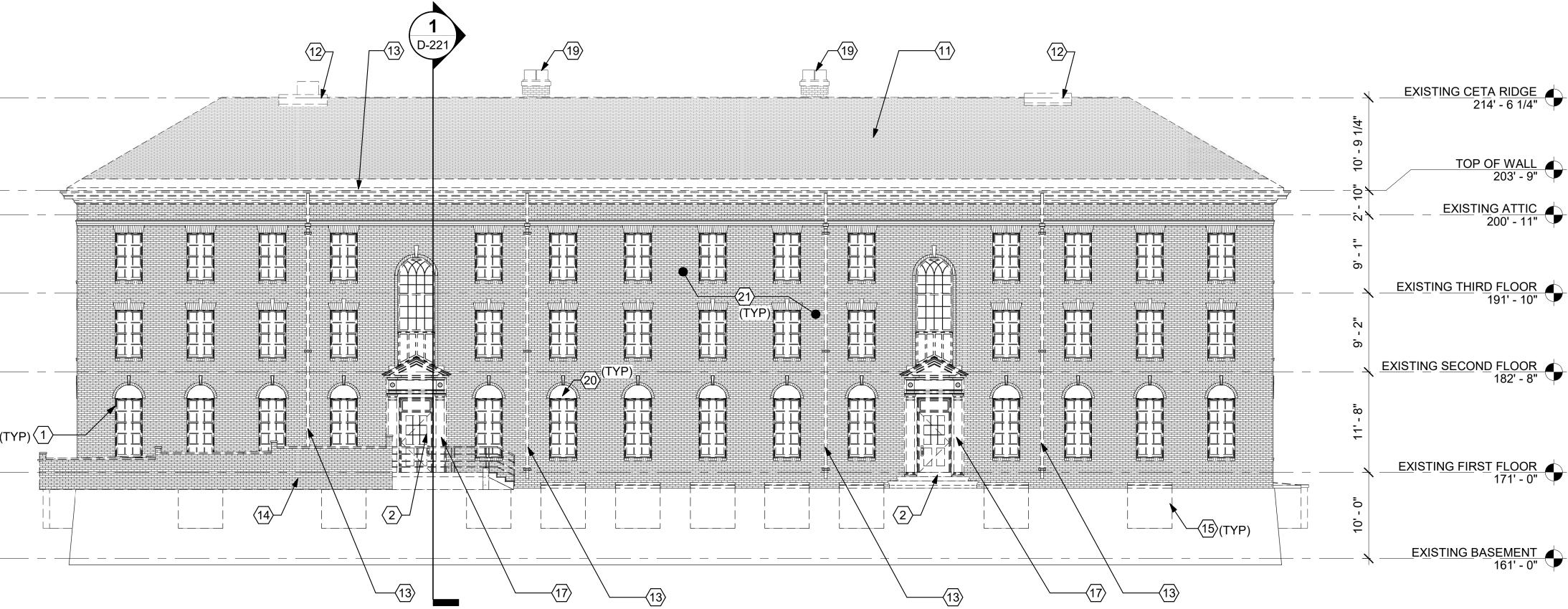
DESCRIPTION REVISIONS

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#### 1 EAST ELEVATION REMOVALS

D-101, D-102 D-201 SCALE: 1/8" = 1'-0"



#### 3 WEST ELEVATION REMOVALS

D-101, D-102 D-201 SCALE: 1/8" = 1'-0"

#### GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

- 1. GENERAL INTENT OF REMOVALS IS TO COMPLETLY GUT THE INTERIOR OF THE EXISTING BUILDING. INCLUDING INTERIOR STRUCTURE, WALLS AND BOOK STRUCTURE FOR BELIEF
- 2. SEE SHEET G-XXX FOR ADDITIONAL GENERAL REMOVALS AND HAZARDOUS MATERIALS NOTES.
- 3. REMOVALS KEYNOTES INDICATED ON "D-" SHEETS ARE REPRESENTATIVE OF GENERAL ITEMS TO BE REMOVED AND ARE NOT INTENDED TO IDENTIFY EACH ITEM ON EVERY WALL, FLOOR, CEILING, OR ELEVATION. VERIFY IN FIELD COMPLETE WORK ASSOCIATED WITH REMOVALS.
- 4. STORE AND PROTECT FROM WEATHER ITEMS TO BE REMOVED, SALVAGED, AND REINSTALLED. PREPARE SALVAGED ITEMS FOR REINSTALLATION.
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- 6. EXISTING CONDITION DESCRIPTIONS ARE BASED ON ORIGINAL DRAWINGS DATED 6-27-1927. SEE SPECIFICATIONS FOR EXISTING ORIGINAL DRAWINGS.
- 7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
- 8. COORDINATE REMOVALS WITH ALL DISCIPLINES.

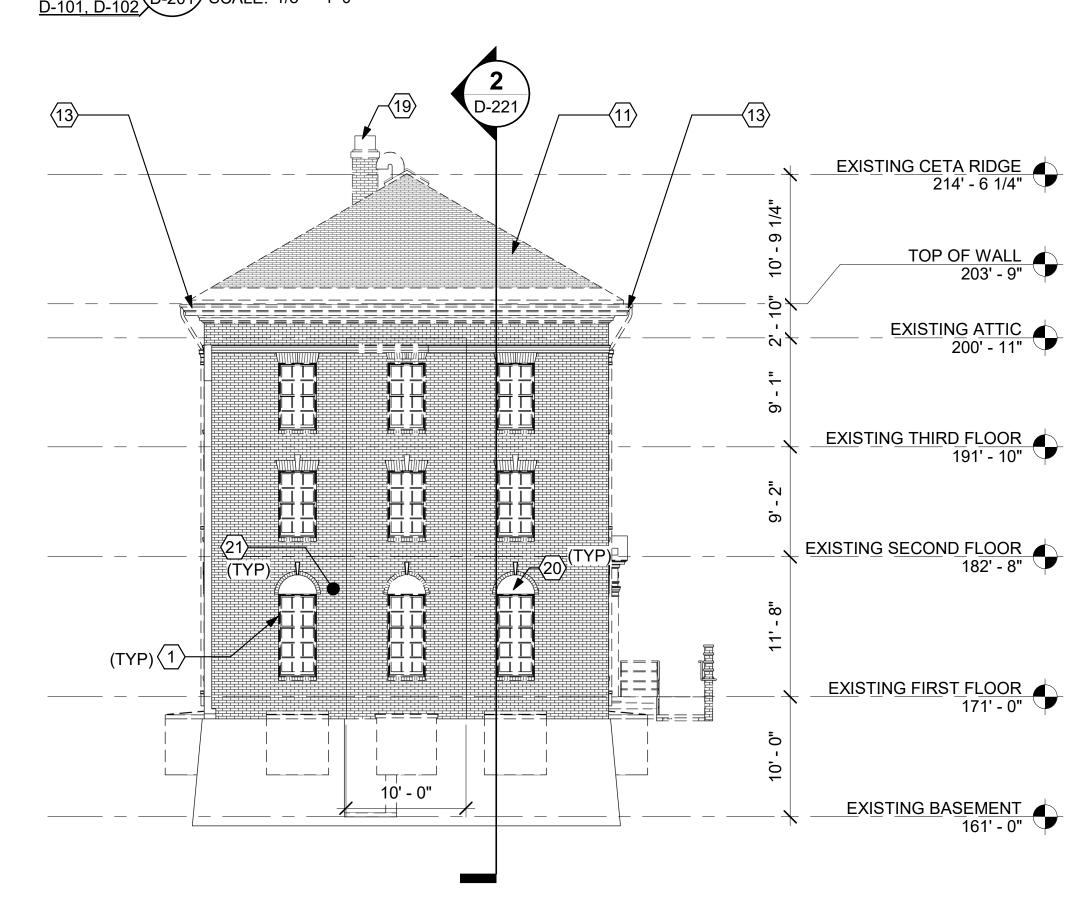
#### EXISTING KEYNOTES (SHEETS D-101 THRU D-221)

EXISTING ROOF FRAMING TO REMAIN. SEE SHEET SD101 FOR LOCALIZED ROOF FRAMING REMOVALS.

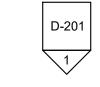
#### DEMOLITION KEYNOTES (SHEETS D-101 THRU D-221)

- (1) REMOVE EXTERIOR WINDOWS, TRIM AND SUBFRAMES.
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- (11) REMOVE EXISTING ROOFING.
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- CLEAN HISTORIC MASONRY IN ENTIRETY. REFER TO MASONRY RESTORATION AND REHABILITATION NOTES ON D-201.

## SOUTH ELEVATION REMOVALS D-101, D-102 D-201 SCALE: 1/8" = 1'-0"



D-101, D-102 D-201 SCALE: 1/8" = 1'-0"



/CETA/

EXISTING CETA RIDGE 214' - 6 1/4"

TOP OF WALL 203' - 9"

EXISTING ATTIC 200' - 11"

EXISTING THIRD FLOOR 191' - 10"

EXISTING SECOND FLOOR 182' - 8"

#### MASONRY RESTORATION & REHABILITATION NOTES:

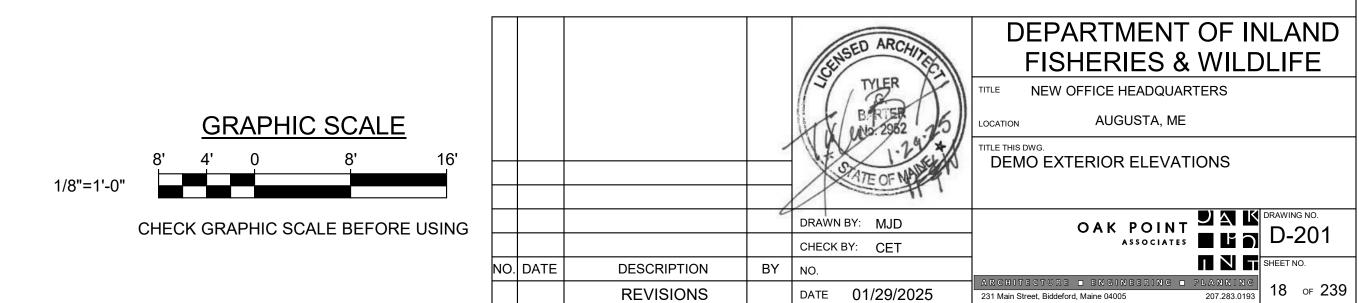
- 1. GRAPHIC INDICATIONS OF REPAIR WORK SPECIFIED ON DRAWINGS ARE INTENDED TO INDICATE LOCATION OF REPAIR AND APPROXIMATE SIZE OF REPAIR ONLY VERIEVALL WORK IN THE FIELD.
- APPROXIMATE SIZE OF REPAIR ONLY. VERIFY ALL WORK IN THE FIELD.
- 2. REMOVE SOILING FROM 100% OF MASONRY SURFACE. METHODS FOR CLEANING WILL VARY ON DIFFERENT SURFACES DEPENDING ON THE LEVEL OF SOILING. IN ADDITION TO GENERAL CLEANING, REMOVE METALLIC STAINING, PAINT, PAINT DRIPS, BIOLOGICAL GROWTH, CARBON DEPOSITS, AND EFFLORESCENCE. GENERAL RESTORATION CLEANING SHALL BE PERFORMED PRIOR TO ALL OTHER MASONRY WORK. FOLLOW REQUIREMENTS OF SPECIFICATION SECTION 040
- 3 RAKE OUT AND REPOINT 100% OF MORTAR JOINTS AT EXTERIOR FOLLOW SPECIFICATION SECTIONS 040112 & 040115
- 4. PROVIDE LEAD "T" JOINT COVERS ON HORIZONTAL (SKY-FACING) JOINTS GREATER THAN 3" IN DEPTH. FOLLOW REQUIREMENTS OF SPECIFICATION SECTION 040115.
- 5 DEMOVE EVISTING SEALANT FOLLOW SECTION 070200 FOD NEW WINDOW SEALANT
- 6. REMOVE ABANDONED PINS, ANCHORS, DOWELS, AND OTHER ELEMENTS FROM MASONRY, UNLESS OTHERWIASE INDICATED.

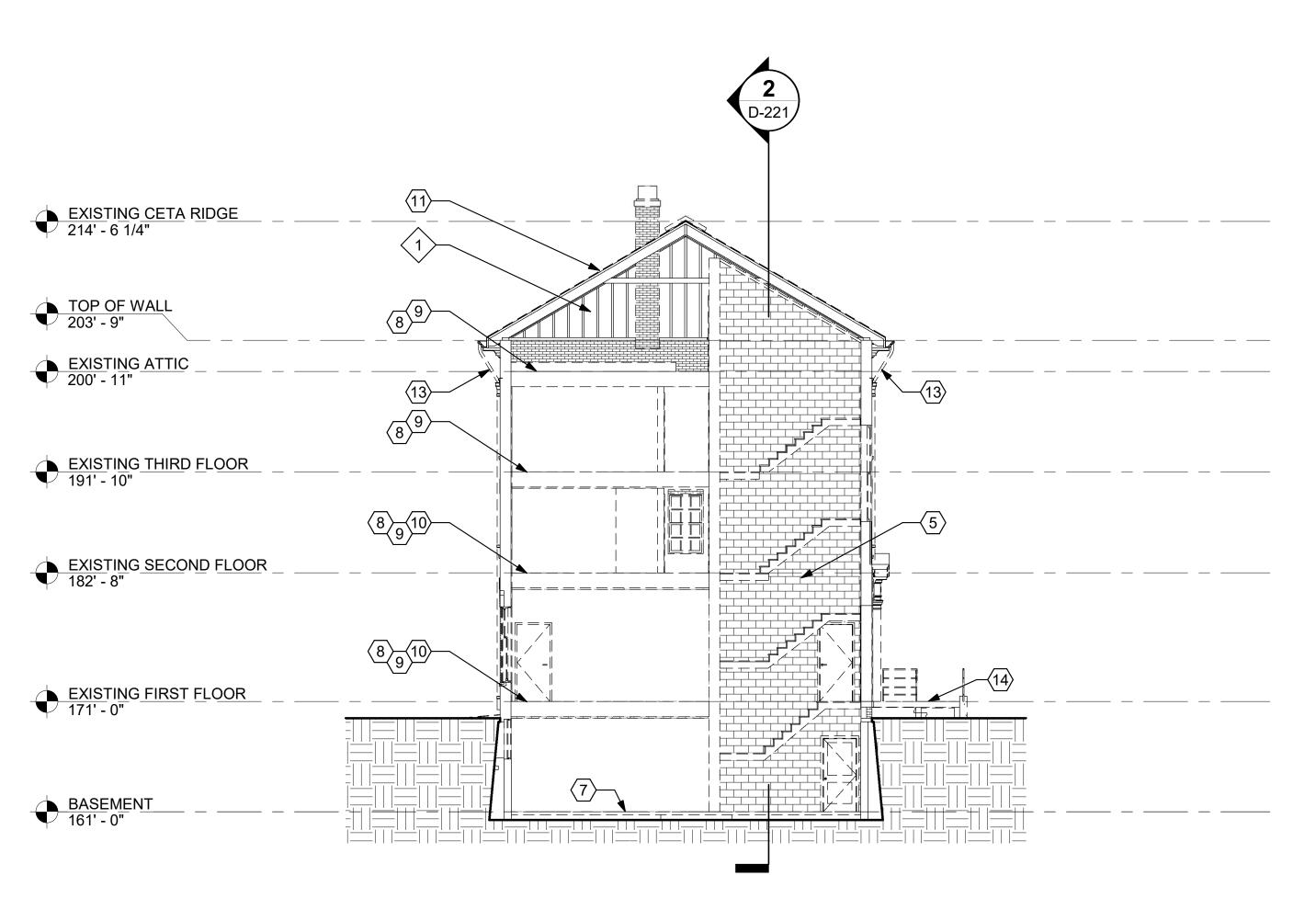


D-201 4

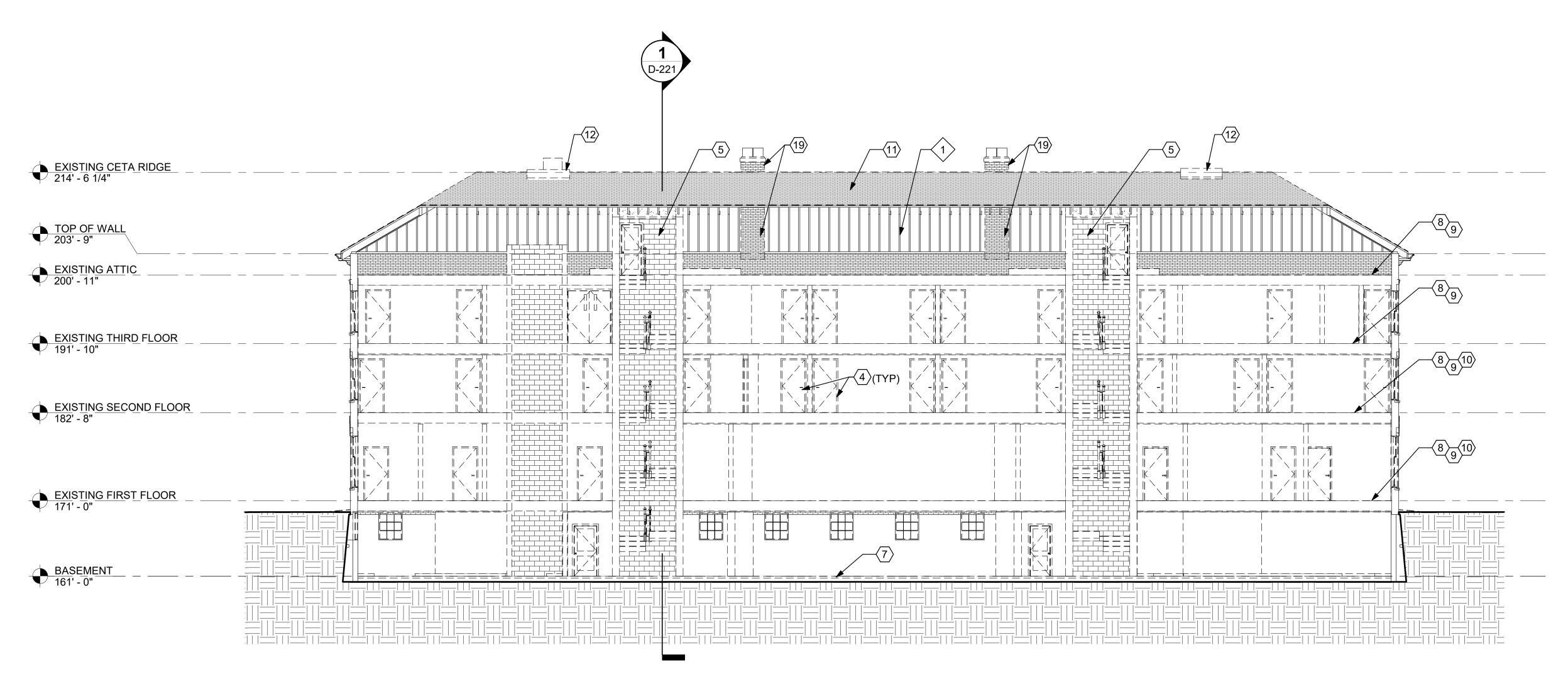


2 D-201



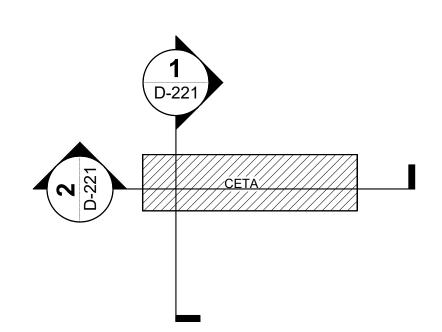


D-221 SCALE: 1/8" = 1'-0"



D-221 SCALE: 1/8" = 1'-0"

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#### GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

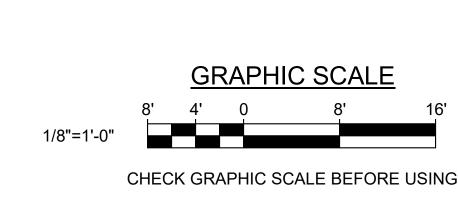
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- 7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
- 8. COORDINATE REMOVALS WITH ALL DISCIPLINES.

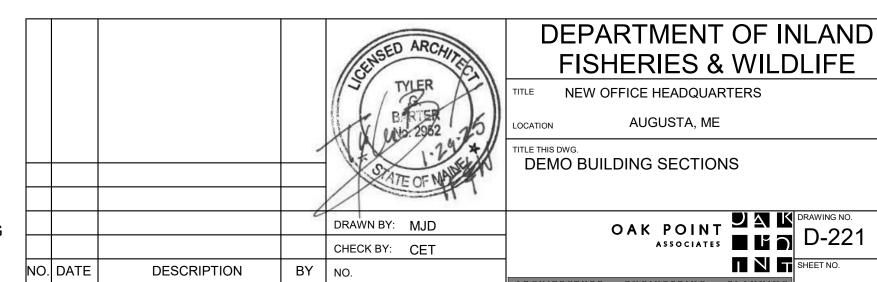
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#### **DEMOLITION KEYNOTES** (SHEETS D-101 THRU D-221)

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- (7) REMOVE EXISTING 3"+/- CONCRETE SLAB-ON-GROUND.
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DATE 01/29/2025

231 Main Street, Biddeford, Maine 04005

REVISIONS

#### **CIVIL NOTES**

#### GENERAL

- 1. INFORMATION SHOWN HEREON IS BASED ON THE FOLLOWING:
- a. "TOPOGRAPHIC SURVEY PLAN FOR OAK POINT ASSOCIATES OF MAINE DEPARTMENT OF INLAND FISHERIES AND WILDLIFE EAST CAMPUS HEADQUARTERS, BLOSSOM LANE, AUGUSTA,
- MAINE" BY DOUCET SURVEY, LLC, 102 KENT PLACE, NEWMARKET, NH. DATED JANUARY 4, 2024.

  "LITHITY PLAN OF FAST CAMPUS" BY CES INC. 44 MAIN STREET SHITE 204, WATERVILLE, ME, DATED MAY 19, 2017.
- b. "UTILITY PLAN OF EAST CAMPUS" BY CES INC, 44 MAIN STREET SUITE 204, WATERVILLE, ME. DATED MAY 19, 2017.
  c. "A.M.H.I. CAMPUS ARSENAL STREET IMPROVEMENTS AND WATER AND STORM DRAIN UPGRADES" BY LAND USE CONSULTANTS, 966 RIVERSIDE STREET, PORTLAND MAINE. DATED APRIL
- 25, 2003. PLANS INCLUDE MARKUPS FROM +/- 2016 AND +/-2017 WATER LINE REPLACEMENT PROJECTS.
- d. SITE RECONNAISSANCE AND TOPOGRAPHIC SURVEY PERFORMED BY OAK POINT ASSOCIATES IN 2023 AND 2024.
- e. INFORMATION OBTAINED FROM THE MAINE GEOGRAPHIC INFORMATION SYSTEM IN 2023.
- 2. ELEVATIONS SHOWN HEREON ARE BASED APPROXIMATELY ON THE NAVD88 (GEOID18) PROVIDED AS PART OF PLAN REFERENCE 1a. THE PROJECT BENCHMARKS ARE AS FOLLOWS:
- a. TBM1: CHISELED CORNER OF CONCRETE BASE AT EMERGENCY CALL BOX. ELEVATION: 169.17
  b. TBM2: X CUT IN BONNET BOLT OF THE FIRE HYDRANT NEAR THE OUTLET OF THE PARKING LOT ON THE EAST SIDE OF THE CETA BUILDING. ELEVATION: 189.08
- c. TBM3: X CUT IN BONNET BOLT OF THE FIRE HYDRANT NEAK THE OUTELT OF THE FAKKING EUT ON THE EAST SIDE OF THE CETA BOILDING. ELEVATION: 189.
- 3. BEARINGS, COORDINATES AND NORTH ORIENTATION ARE BASED ON GRID NORTH, NAD83 (1983 WEST ZONE), PROVIDED AS PART OF PLAN REFERENCE 1a.
- 4. THIS PROJECT IS SUBJECT TO THE FOLLOWING PERMITS, WHICH HAVE BEEN OBTAINED BY THE OWNER/ARCHITECT PRIOR TO THE START OF CONSTRUCTION. CONDITIONS OF THE PERMITS
- HAVE BEEN INCLUDED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. ABIDE BY CONDITIONS OF THESE PERMITS:

  a. CITY OF AUGUSTA SITE PLAN APPROVAL.
- b. MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION SITE LOCATION OF DEVELOPMENT ACT, MINOR AMENDMENT.
- c. MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION NATURAL RESOURCES PROTECTION ACT PERMIT.
   d. MAINE DEPARTMENT OF TRANSPORTATION TRAFFIC MOVEMENT PERMIT.
- 5. OBTAIN ADDITIONAL PERMITS NECESSARY FOR CONSTRUCTION. THESE PERMITS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- a. CITY OF AUGUSTA BUILDING PERMIT. b. MAINE CONSTRUCTION GENERAL PERMIT (MCGP), INCLUDING NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT).
- 7. REPAIR OR REPLACE DAMAGE RESULTING FROM CONTRACTOR OPERATIONS, AS APPROVED BY THE OWNER, AT NO ADDITIONAL COST TO THE OWNER.
- 8. DO NOT PLACE, PUT OR DUMP CONSTRUCTION MATERIALS OR DEMOLITION DEBRIS IN AREAS THAT COULD DRAIN INTO THE STORM DRAIN SYSTEM OR WETLANDS ADJACENT TO THE PROJECT SITE.
- 9. DO NOT ALLOW RUNOFF TO DRAIN FROM THE SITE INTO THE STORM DRAIN SYSTEM OR ADJACENT WETLANDS WITHOUT INSTALLING NECESSARY DEP COMPLIANT EROSION AND SEDIMENT CONTROL DEVICES.

#### UTILITY NOTES

- I. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY AND ARE BASED ON FIELD RECONNAISSANCE, PLAN REFERENCES AND PRIVATE SUBSURFACE UTILITY LOCATIONS PERFORMED IN FALL 2023 AS PART OF THE TOPOGRAPHIC SUVEY PRIOR TO COMMENCING EXCAVATION OPERATIONS ON THE SITE, DETERMINE THE EXACT LOCATION OF UNDERGROUND UTILITIES IN THE WORK UTILIZING A PRIVATE UTILITY LOCATING SERVICE, CONTACT "OK TO DIG" AT 1-866-658-634,AND CONTACT "DIG SAFE" AT 811 TO OBTAIN A "DIGSAFE" PERMIT. REPORT DISCREPANCIES BETWEEN THE PLANS AND THE EXACT UTILITY LOCATIONS TO THE OWNER PRIOR TO DISTURBING AREAS SURROUNDING THE UNDERGROUND UTILITIES.
- 2. UTILITIES INDICATED TO BE "QUALITY LEVEL D" AND/OR MARKED "QLD" ARE BASED ON PLAN REFERENCES ONLY, AND THEIR FILED LOCATIONS COULD NOT BE VERIFIED.
- 3. UTILITIES IN THE PROJECT MUST REMAIN LIVE AT ALL TIMES DURING CONSTRUCTION UNLESS SHUTDOWNS ARE COORDINATED WITH AND APPROVED IN WRITING BY THE OWNER.
- 4. NOTIFY ARCHITECT AND OWNER AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO COMMENCING EXCAVATION AND HOLD A PRE-EXCAVATION CONFERENCE TO REVIEW REQUIREMENTS FOR UTILITY SERVICE INTERRUPTIONS AND PROCEDURE FOR REPAIRING ACCIDENTAL DAMAGE TO EXISTING UTILITIES.
- 5. PERFORM SANITARY SEWER WORK IN ACCORDANCE WITH CITY OF AUGUSTA'S WRITTEN REQUIREMENTS.
- 6. PERFORM WATER SERVICE WORK IN ACCORDANCE WITH GREATER AUGUSTA UTILITY DISTRICT'S WRITTEN REQUIREMENTS.
- 7. COORDINATE TIMING OF COMMUNICATIONS WORK WITH THE OWNER. DO NOT COMMENCE COMMUNICATIONS WORK UNTIL A WORK PLAN, INCLUDING OUTAGES AND PROVISIONS FOR ACCIDENTAL INTERRUPTIONS TO COMMUNICATION SERVICE, HAS BEEN APPROVED IN WRITING BY THE OWNER AND ARCHITECT.

#### PHASING, CONSTRUCTION ACCESS AND CONSTRUCTION MANAGEMENT NOTES

- 1. THIS PROJECT IS SUBJECT TO TREE CLEARING RESTRICTIONS ASSOCIATED WITH THE POSSIBLE PRESENCE OF NORTHERN LONG EARED BAT POPULATIONS WITHIN THE PROJECT AREA. DO NOT CUT TREES BETWEEN APRIL 15 AND OCTOBER 31 WITHOUT WRITTEN PERMISSION FROM THE OWNER AND THE ARCHITECT.
- 2. EXISTING COMMUNICATIONS DUCTBANK RUNNING THROUGH THE SITE ON THE EAST SIDE OF THE CETA BUILDING MUST REMAIN ACTIVE AT ALL TIMES UNLESS APPROVED IN WRITING BY THE OWNER AND ARCHITECT. PHASE CONSTRUCTION TO REDUCE SERVICE INTERRUPTION TO LESS THAN 12 HOURS.
- 3. MINIMIZE DISRUPTIONS TO EXISTING PARKING, VEHICULAR AND PEDESTRIAN CIRCULATION. OBTAIN WRITTEN PERMISSION FROM THE OWNER PRIOR TO BLOCKING PARKING AREAS OR SHUTTING DOWN SIDEWALKS. DO NOT RESTRICT EMERGENCY VEHICLE ACCESS TO OTHER BUILDINGS ON SITE AT ANY TIME WITHOUT WRITTEN APPROVAL FROM THE OWNER, CITY OF AUGUSTA POLICE DEPARTMENT AND CITY OF AUGUSTA FIRE DEPARTMENT.

#### NOTIFICATION REQUIREMENTS

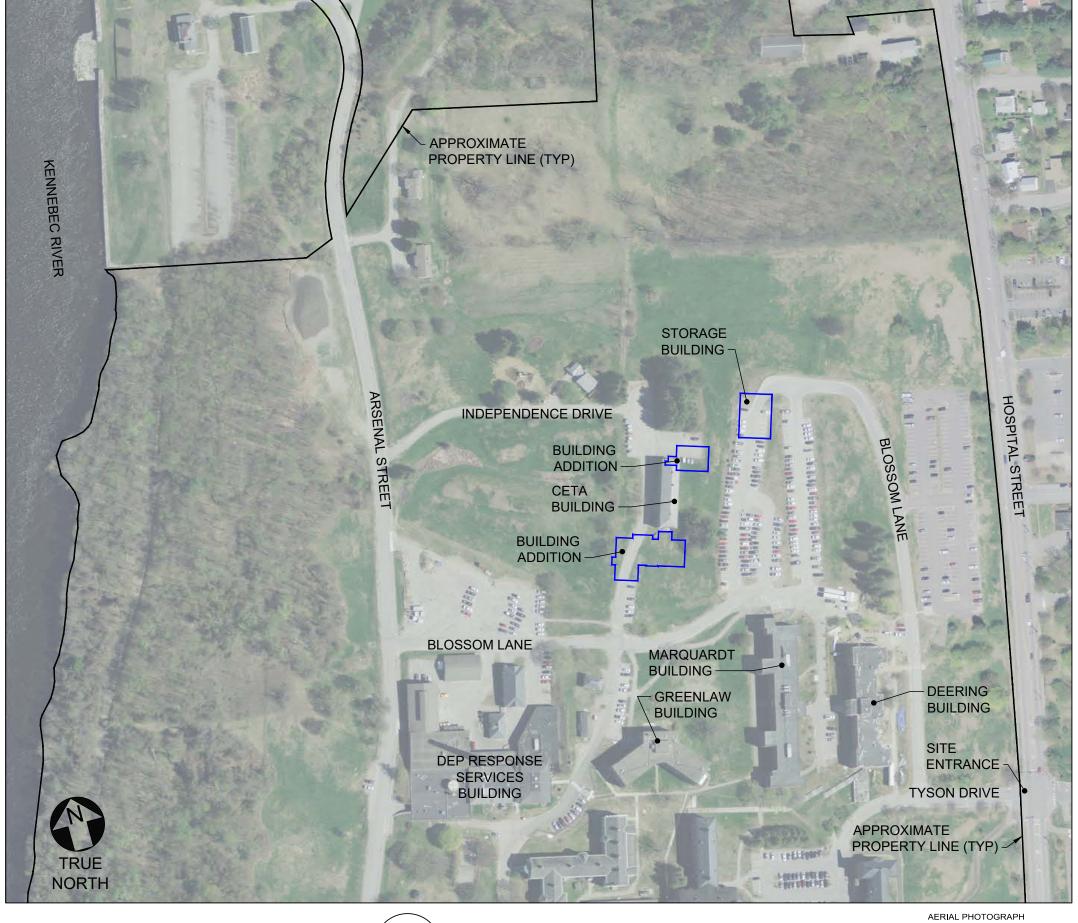
- 1. IN ADDITION TO THE NOTIFICATION REQUIREMENTS IN THE PROJECT SPECIFICATIONS, PROVIDE THE FOLLOWING NOTIFICATIONS. DO NOT PROCEED WITHOUT ACKNOWLEDGMENT THAT THE NOTIFICATION HAS BEEN RECEIVED AND AUTHORIZATION TO PROCEED HAS BEEN GRANTED AND DOCUMENTED IN WRITING:
- a. NOTIFY OWNER AT LEAST FIVE BUSINESS DAYS PRIOR TO MAKING CONNECTIONS TO ON CAMPUS ELECTRICAL OR COMMUNICATIONS INFRASTRUCTURE. SEE UTILITY NOTES ABOVE FOR ADDITIONAL REQUIREMENTS.
- b. INSPECTION OF WATER MAINS AND TEMPORARY WATER SERVICE (IF REQUIRED): PROVIDE WRITTEN NOTIFICATION TO THE GREATER AUGUSTA UTILITIES DISTRICT, OWNER, AND
- ARCHITECT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF BEGINNING WORK ASSOCIATED WITH TEMPORARY OR PERMANENT WATER MAINS OR APPURTENANCES.
  c. PLANTING SOIL INSTALLATION: PROVIDE WRITTEN NOTICE TO OWNER AND ARCHITECT AT LEAST 14 BUSINESS DAYS PRIOR TO INSTALLATION OF PLANTING SOIL.
- d. NOTIFY THE FIRE DEPARTMENT AND GREATER AUGUSTA UTILITIES DISTRICT AT LEAST FIVE BUSINESS DAYS PRIOR TO DISCONNECTING/REMOVING FIRE HYDRANTS. DO NOT PROCEED WITHOUT WRITTEN PERMISSION FROM THE FIRE DEPARTMENT AND GREATER AUGUSTA UTILITIES DISTRICT.

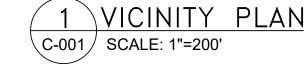
#### SOIL EXCAVATION, HANDLING AND DISPOSAL NOTES

- 1. SEE SHEETS CX101, B-101 AND B-102 FOR EXTERIOR SOIL TEST PIT AND BORING LOCATIONS AND SOIL INFORMATION.
- 2. SOIL BORINGS AND TEST PITS INDICATED WERE PERFORMED BY RW GILLESPIE INC IN WINTER 2023. SEE THE GEOTECHNICAL REPORT PREPARED BY RW GILLESPIE INC, DATED 31, JULY 2024 FOR SOIL INFORMATION AND ADDITIONAL GEOTECHNICAL REQUIREMENTS. A COPY OF THIS REPORT IS INCLUDED IN THE PROJECT SPECIFICATIONS (SECTION 312000, "EARTH MOVING," APPENDIX A).
- 3. PREPARE AND SUBMIT A DEWATERING PLAN TO THE ARCHITECT AND OWNER PRIOR TO BEGINNING EXCAVATION. SHOULD GROUNDWATER BE ENCOUNTERED DURING EXCAVATION, PERFORM DEWATERING ACTIVITIES IN ACCORDANCE WITH THE APPROVED DEWATERING PLAN AND THE WRITTEN REQUIREMENTS OF THE MAINE DEP. SEE SHEET C-501 FOR ADDITIONAL CONSTRUCTION DEWATERING REQUIREMENTS.
- 4. SEE THE FOUNDATION PREP AND DRAIN DETAIL FOR ADDITIONAL EXCAVATION AND BACKFILL REQUIREMENTS ASSOCIATED WITH BUILDING FOOTINGS AND FOUNDATIONS. FOLLOW THE REQUIREMENTS IN THE GEOTECHNICAL REPORT EXCEPT AS SPECIFICALLY MODIFIED IN THIS DETAIL.

#### CIVIL ABBREVIATIONS

# NUMBER ECB EXISTING CATCH BASIN L LENGTH PT POINT OF TAIN PULS OR MINUS  £ PLUS OR MINUS  £ CENTERLINE  AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS  AB,ABAN ABANDONED  ADA AMERICAN'S WITH DISABILITIES ACT  BFE BOTTOM OF FOOTING ELEVATION  BOC BOTTOM OF CURB ELEVATION  BOS BOTTOM OF SLAB/STEP ELEVATION  BOS BOTTOM OF SLAB/STEP ELEVATION  BOW BOTTOM OF WALL ELEVATION  BOW BOTTOM OF WALL ELEVATION  BOS BOTTOM OF WALL ELEVAT	
CONT CONTINUOUS GALV GALVANIZED OZ OUNCES TEMP TEMPORARY DEP/MDEP MAINE DEPARTMENT OF GAUD GREATER AUGUSTA PC POINT OF CURVATURE TOC TOP OF CURE	CHLORIDE  I D, REINFORCING ANIZED STEEL  NTROL JOINT IN  HOLE  ET IER NTROL JOINT ' BENCH MARK ' EB ELEVATION P/SLAB ELEVATION





AERIAL PHOTOGRAPH OBTAINED FROM THE MAINE GEOGRAPHIC INFORMATION SYSTEM, TAKEN 2018

#### CIVIL LEGEND

\_\_\_\_\_\_ T-QLD \_\_\_\_\_

TYPICAL

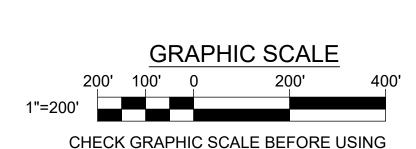
UNDERGROUND GEOTHERMAL SUPPLY/RETURN DISTRIBUTION UNDERGROUND GEOTHERMAL

W/ WIDTH, WATER, WEST, WITH
WOSS WETLAND OF SPECIAL SIGNIFICANCE

SUPPLY/RETURN MAIN VITRIFIED CLAY PIPE VERIFY IN FIELD

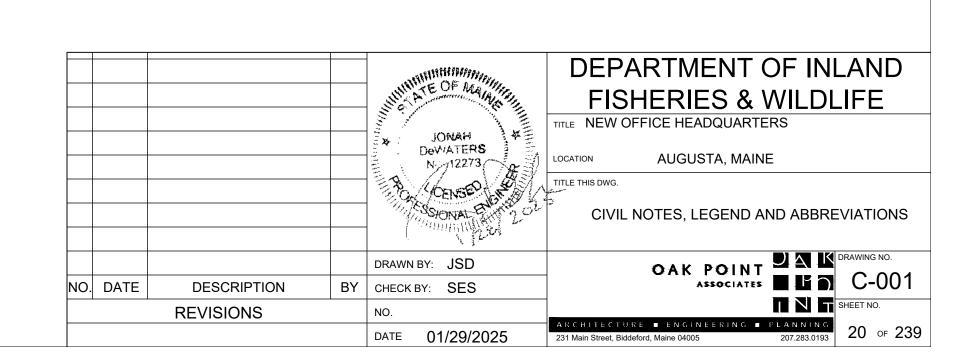
WELDED WIRE FABRIC

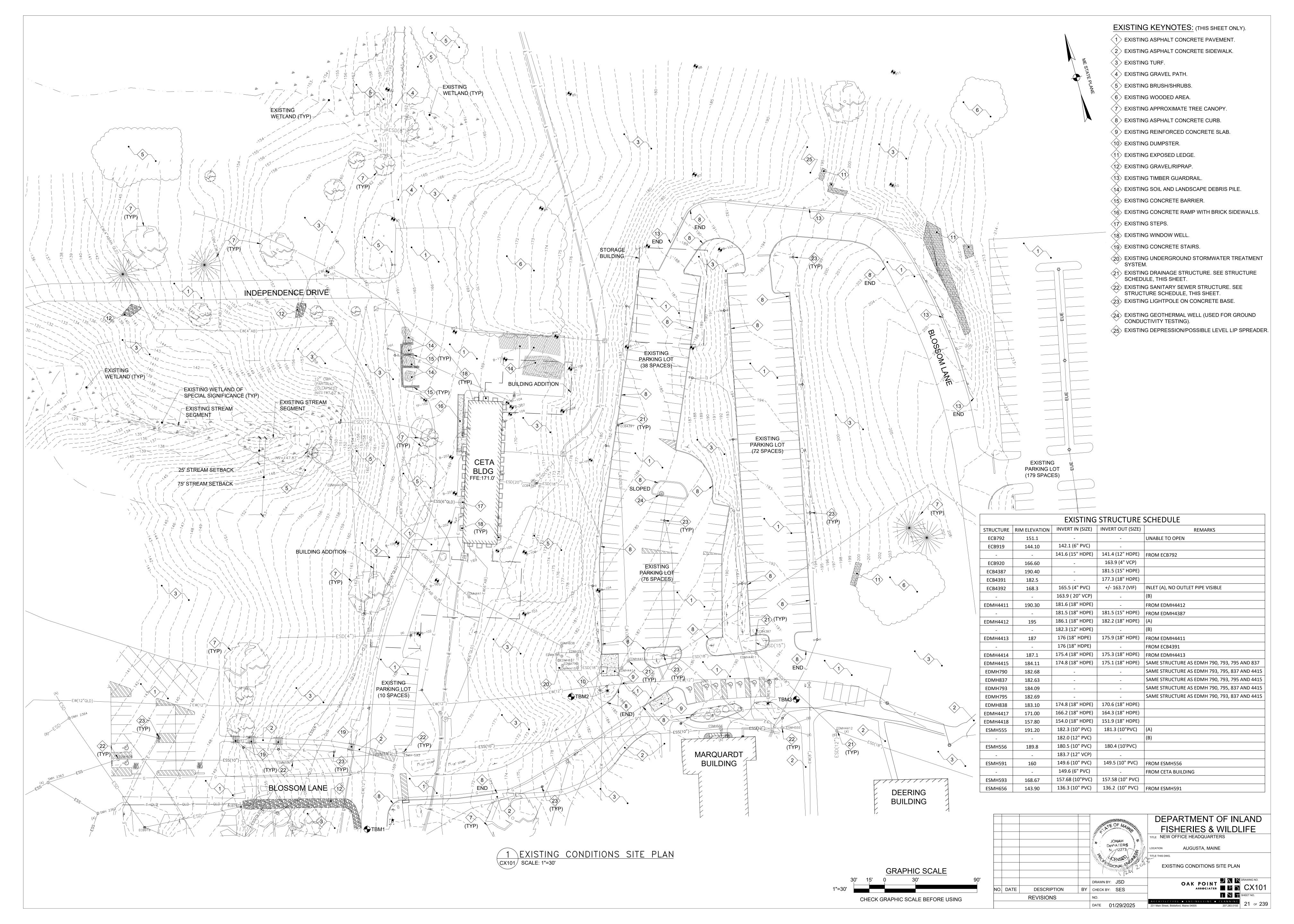
CIVIL LL	GLND				
147.37 <del>'E</del> 145.55'E	EXISTING GRADE SPOT ELEVATION  FINISHED GRADE SPOT ELEVATION	——UE(2-4")——	UNDERGROUND ELECTRIC LINES (SIZE AND NUMBER AS NOTED)		EXISTING CONIFEROUS TREE
11>	EXISTING KEYNOTE	UC(2-4")	UNDERGROUND COMMUNICATIONS LINES (SIZE AND NUMBER AS NOTED)		EXISTING DECIDUOUS TREE
23	REMOVAL KEYNOTE	———UL———	UNDERGROUND LIGHTING CONDUIT	<del>•</del>	BORING LOCATION TEST PIT LOCATION
1	KEYNOTE	———SS(4")———	SANITARY SEWER LINE (SIZE AS NOTED)		
2 CAP	PLANT KEYNOTE	—— SD(12") ——	STORM DRAIN LINE (SITE AS NOTED)	ф Ф	EXISTING JERSEY BARRIER EXISTING LIGHT POST
		———W(6")——	WATER LINE (SIZE AS NOTED)	0-0	EXISTING LIGHT POLE W/ARM EXISTING LIGHT POLE (MULTI-ARMS)
(1)	LAYOUT POINT	——UGD(1"S,1"R)—	GEOTHERMAL SUPPLY/RETURN DISTRIBUTION LINES (SIZE AND NUMBER AS NOTED)		EXISTING DRAIN MANHOLE
	EXISTING PROPERTY LINE EXISTING BUILDING LINE	——UGM(1"S,1"R)—	GEOTHERMAL SUPPLY/RETURN MAIN LINES (SIZE AND NUMBER AS NOTED)		SEWER MANHOLE EXISTING FIRE HYDRANT
	BUILDING LINE	——— FD(4")———	FOUNDATION DRAIN LINE		FIRE HYDRANT
	EDGE OF ASPHALT CONCRETE PAVEMENT	SF	SEDIMENT CONTROL WATTLE OR SILT FENCE EXISTING TREE LINE	□HH € E	EXISTING HAND HOLE  EXISTING ELECTRIC MANHOLE/HANDHOLE
	EXISTING UTILITIES ABANDONED IN-PLACE (CUT AND CAP)		TREE LINE	$\bigcirc$	EXISTING TELEPHONE MANHOLE
	REMOVALS (DRAWING CD101 ONLY)		- EDGE OF DELINEATED WETLAND WETLAND AREA	<del>-0-</del>	EXISTING SIGN EXISTING SIGN (TWO POSTS)
	SAWCUT			$\Longrightarrow$	DRAINAGE FLOW ARROW
124	EXISTING GRADE CONTOUR LINE		RIP RAP	~ <b>⊞,</b> ⊕	EXISTING UTILITY POLE EXISTING CATCH BASIN
124	FINISH GRADE CONTOUR LINE		EXISTING LEDGE OUTCROP	<b>■</b> ,⊕	CATCH BASIN
······································	— EXISTING HANDRAIL	0-0-0	FENCE	<u>\$</u>	EXISTING SEWER MANHOLE
	— EXISTING GUARDRAIL		SHRUB	<u>\$</u>	SEWER MANHOLE
ESD(12")	— EXISTING DRAIN LINE	$\bigcirc,\bigcirc,\bigcirc$		**************************************	EXISTING WATER SHUT-OFF VALVE WATER SHUT-OFF VALVE
ESS(6")————————————————————————————————————	<ul><li>EXISTING SEWER LINE</li><li>EXISTING WATER LINE</li></ul>		GROUNDCOVERS / PERENNIALS	*Š*,⊠ <del>~</del>	TRAFFIC SIGN (TEXT GIVEN AT SIGN LOCATION)
	— EXISTING GAS LINE	(+)	DECIDUOUS TREE		UTILITY POINT OF CONNECTION
E	EXISTING UNDERGROUND ELECTRIC LINE	, ,	DEGIDOGGE TREE		GEOTHERMAL WELL
т	- EXISTING UNDERGROUND		BUILDING COLUMN/SUPPORT		HANDHOLE
U	TELEPHONE/COMMUNICATIONS LINE  — EXISTING UNIDENTIFIED UNDERGROUND UTILITY  EXISTING DRAINLINE (OLIALITY LEVEL 'D')		ACCESSIBLE PARKING SPACE	<sub>НН</sub>	PROJECT BENCHMARK
———ESD(12"QLD)———— ———ESS(6"QLD)———	<ul><li>EXISTING DRAIN LINE (QUALITY LEVEL 'D')</li><li>EXISTING SEWER LINE (QUALITY LEVEL 'D')</li></ul>			·	

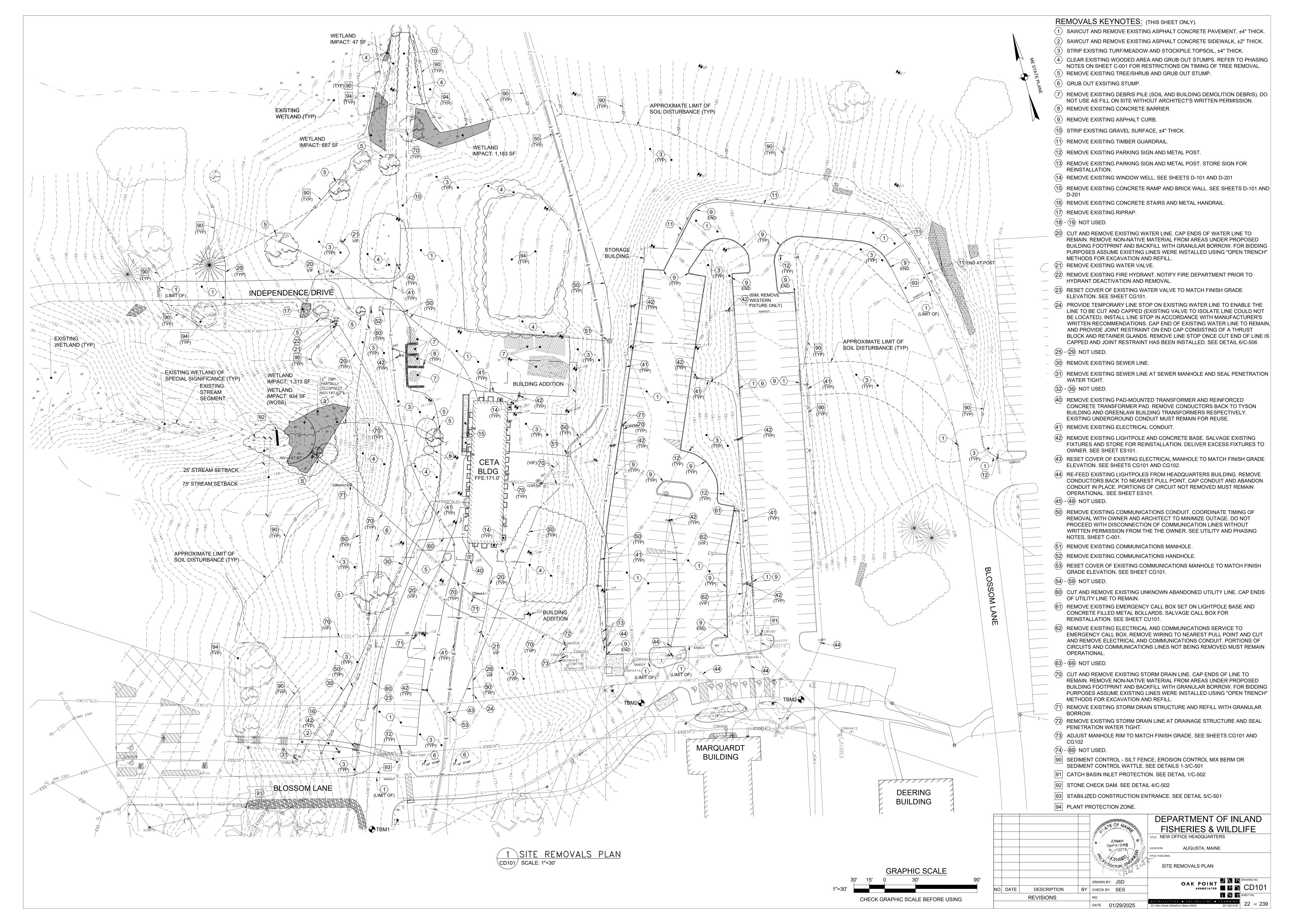


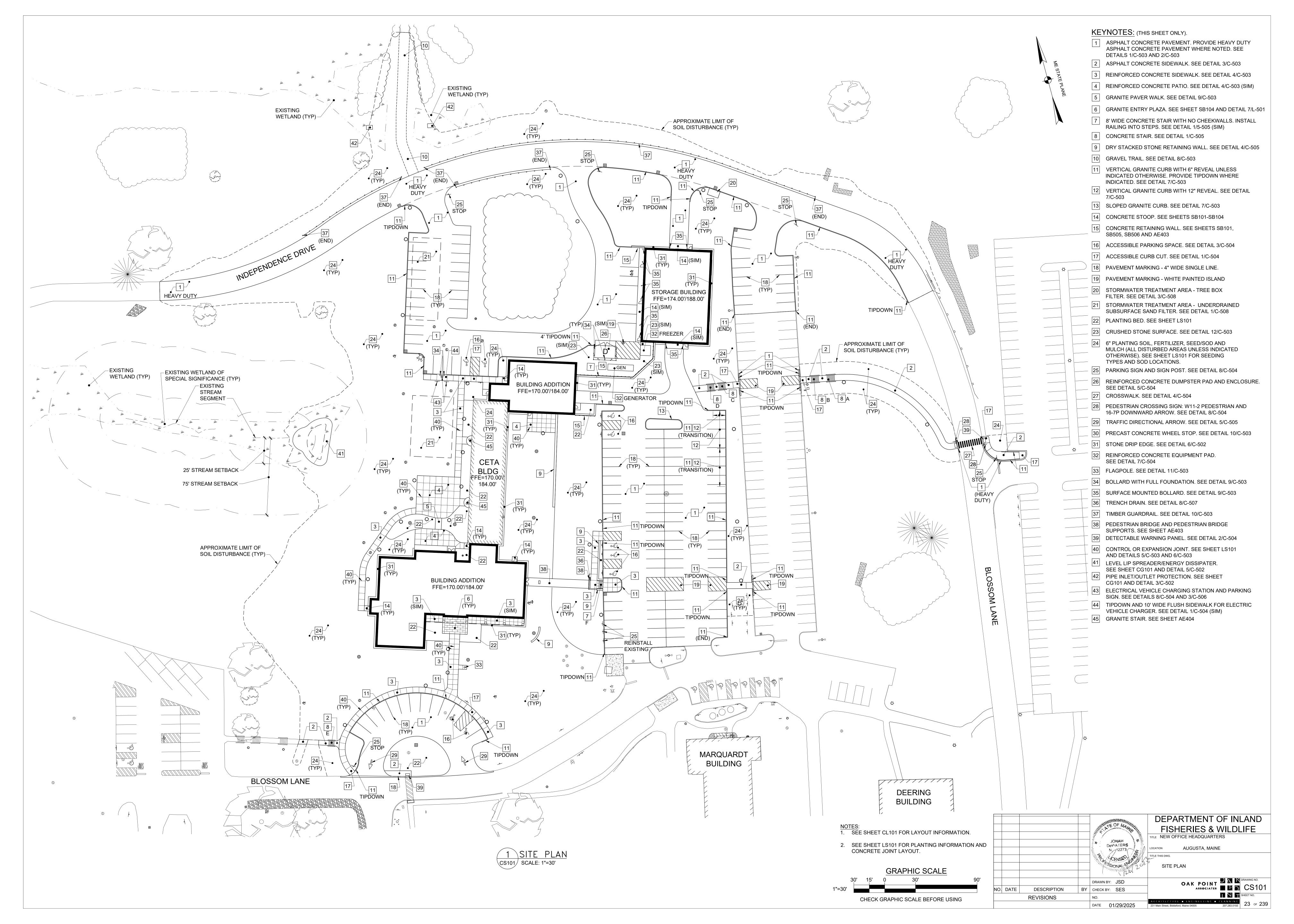
EXISTING WATER LINE (QUALITY LEVEL 'D')

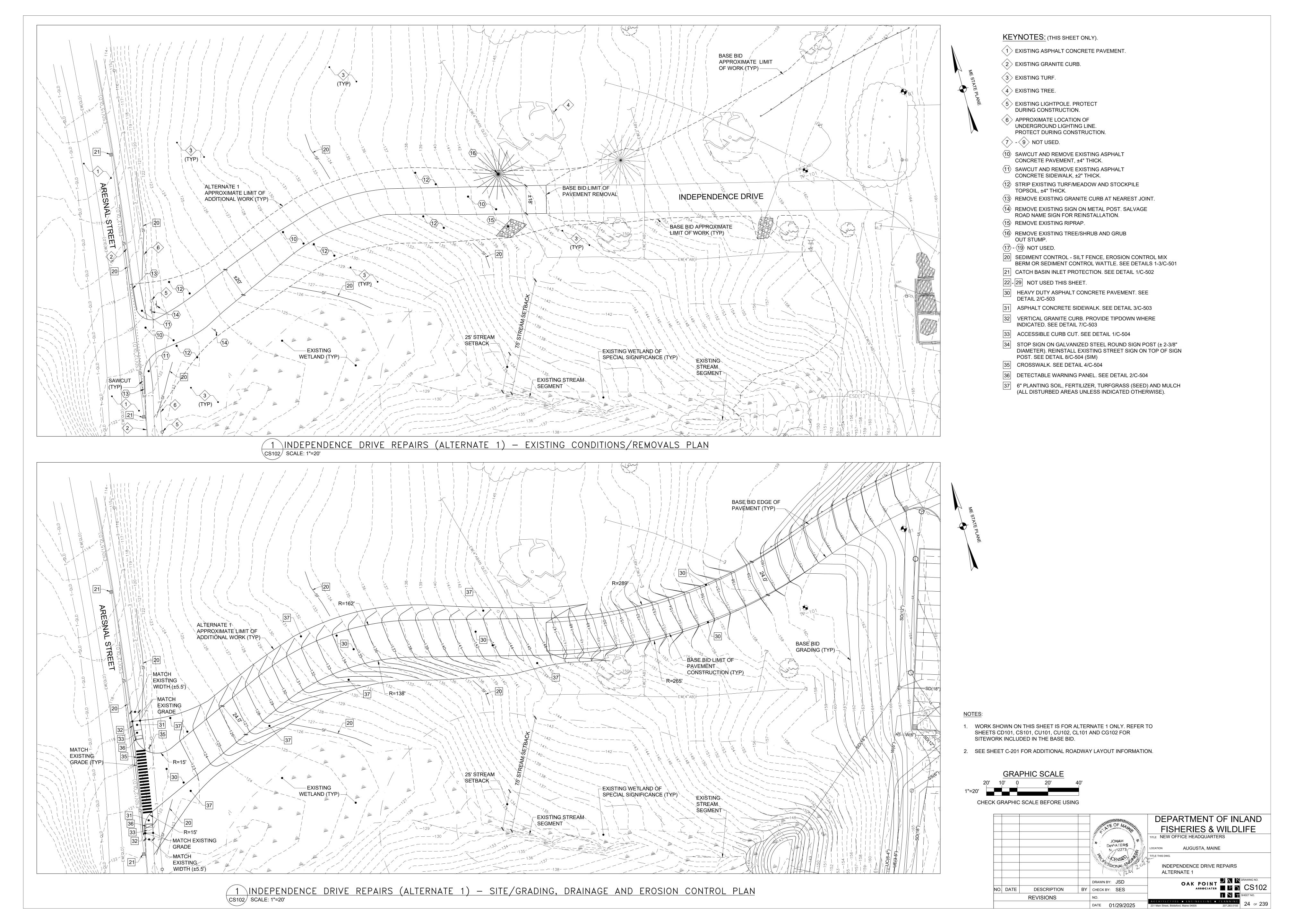
- EXISTING TELEPHONE LINE (QUALITY LEVEL 'D')

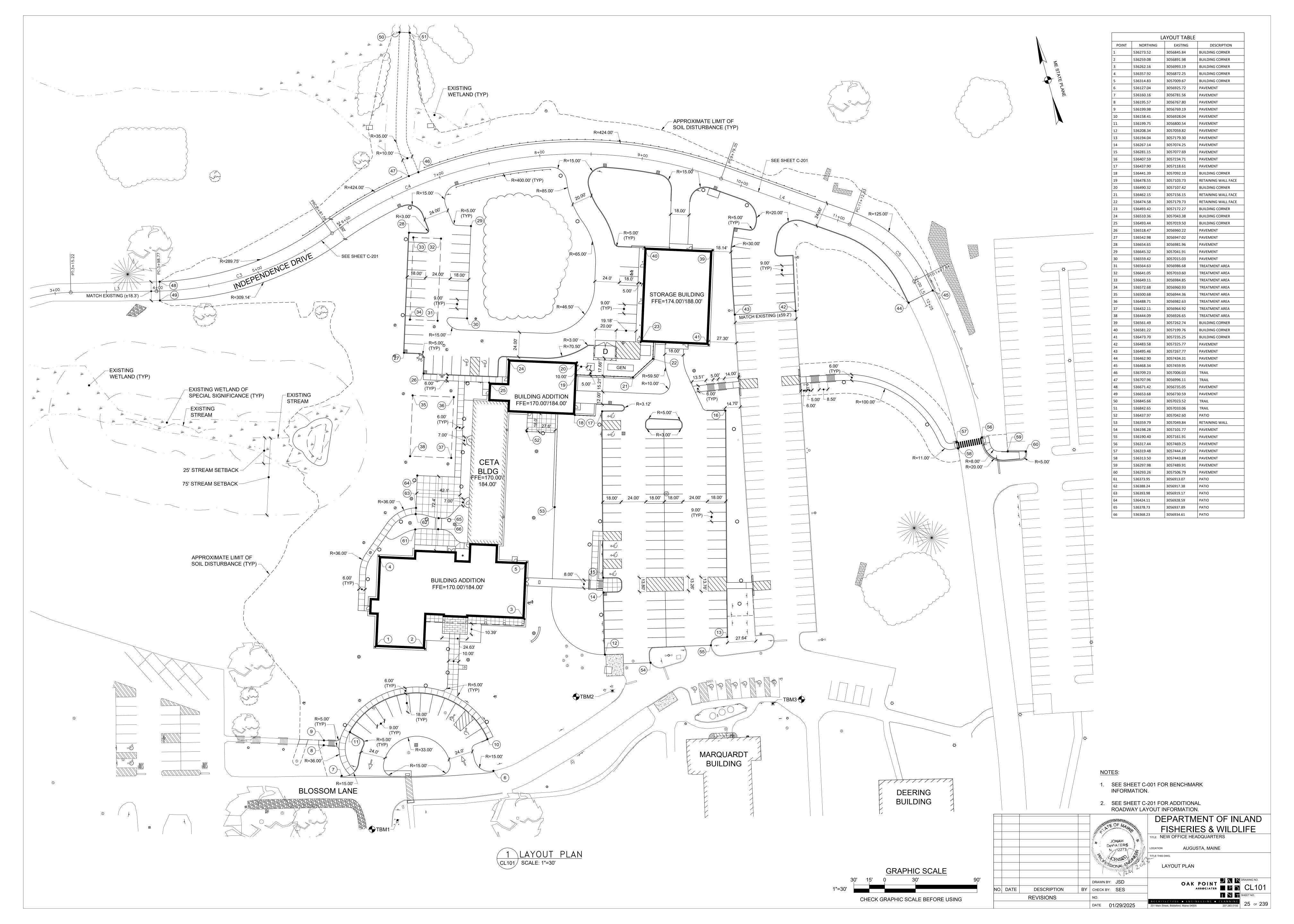


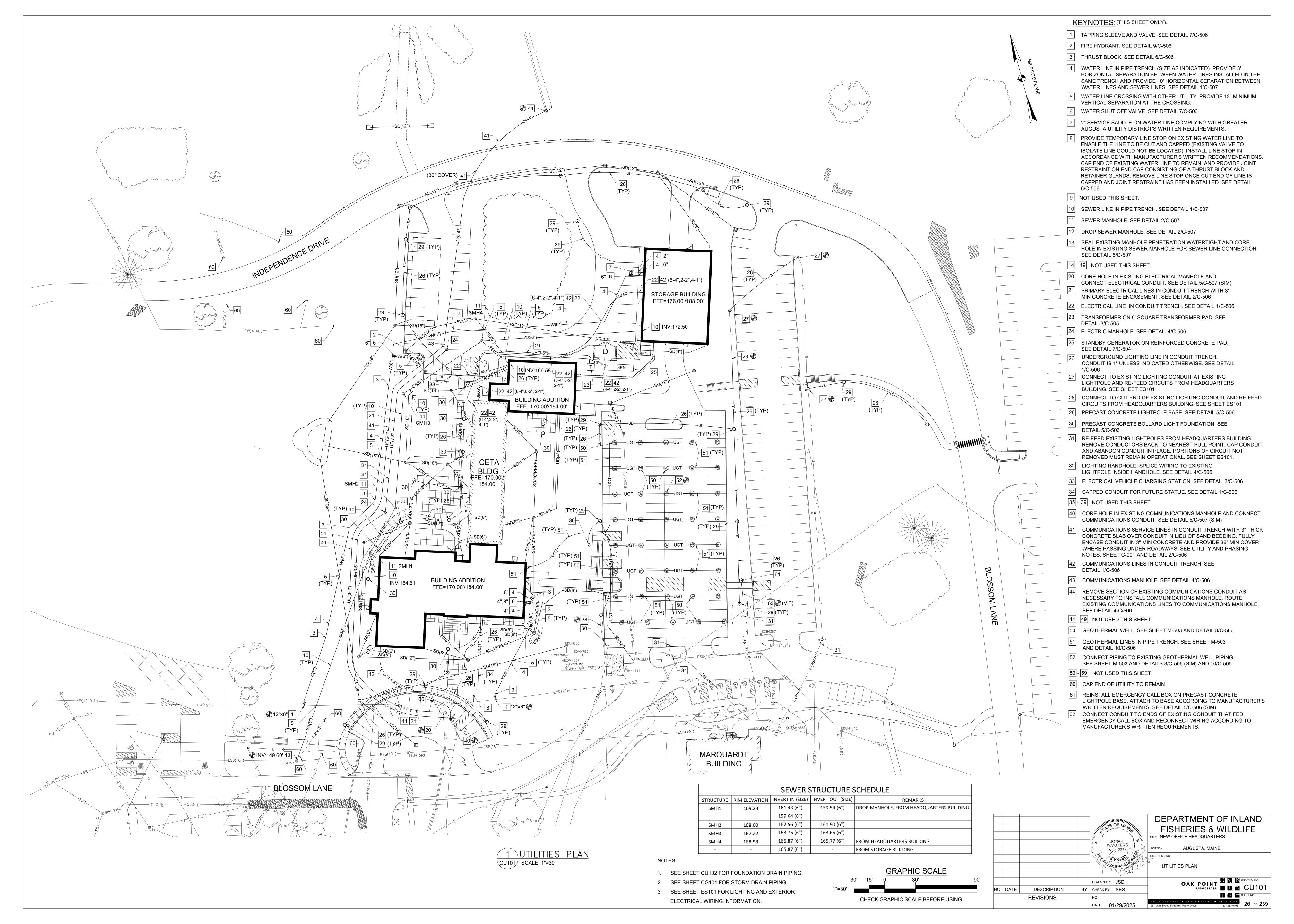


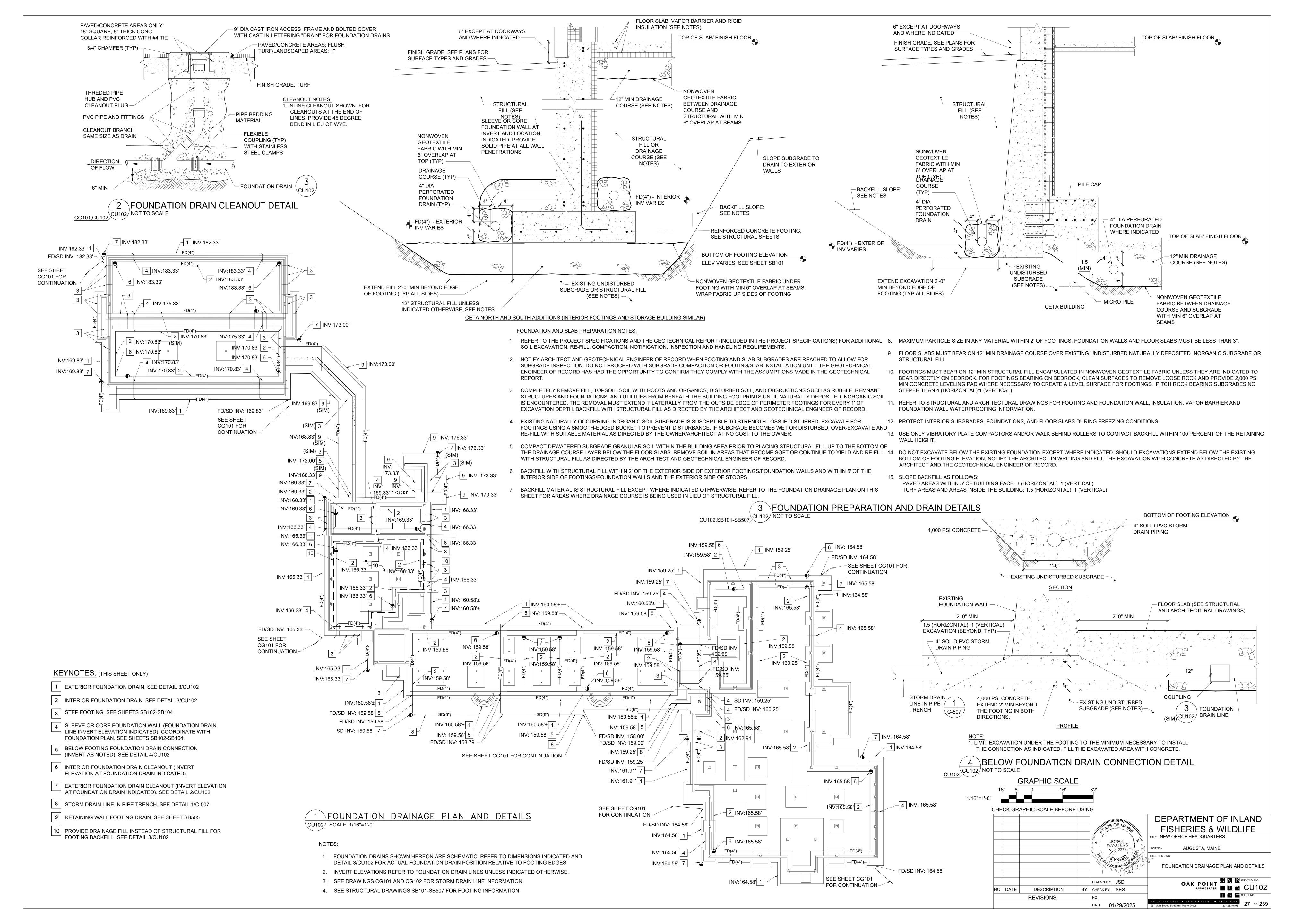


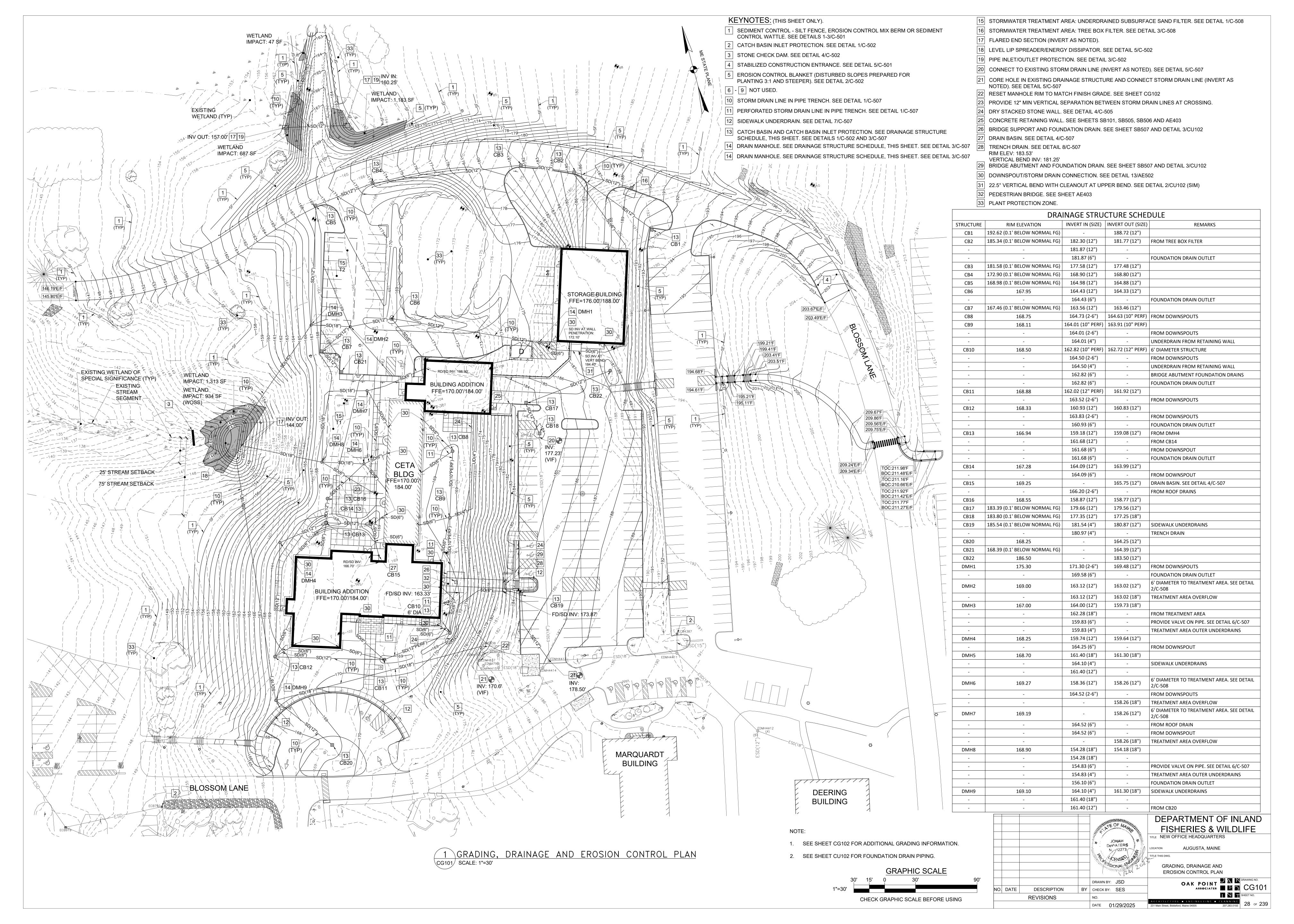


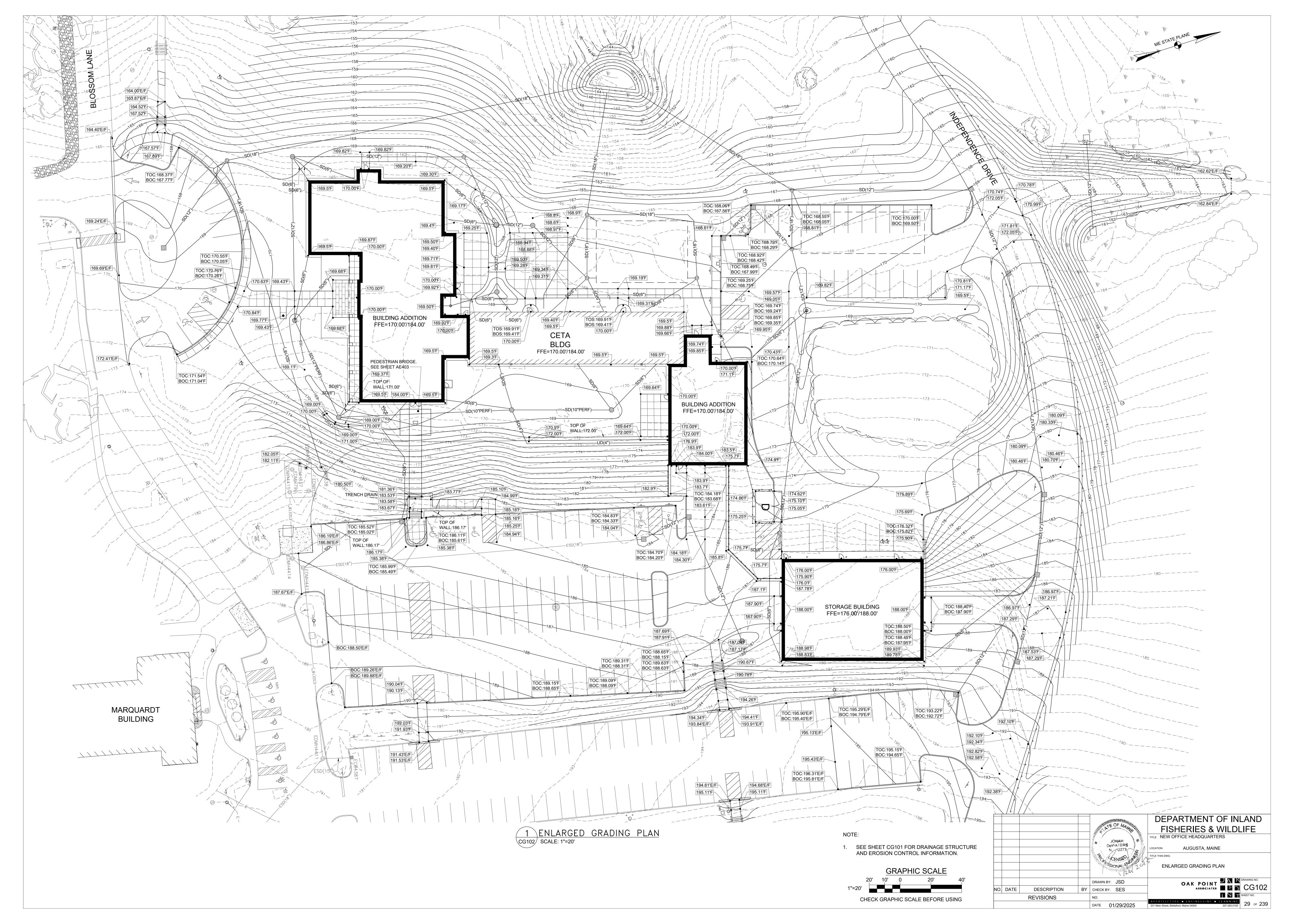


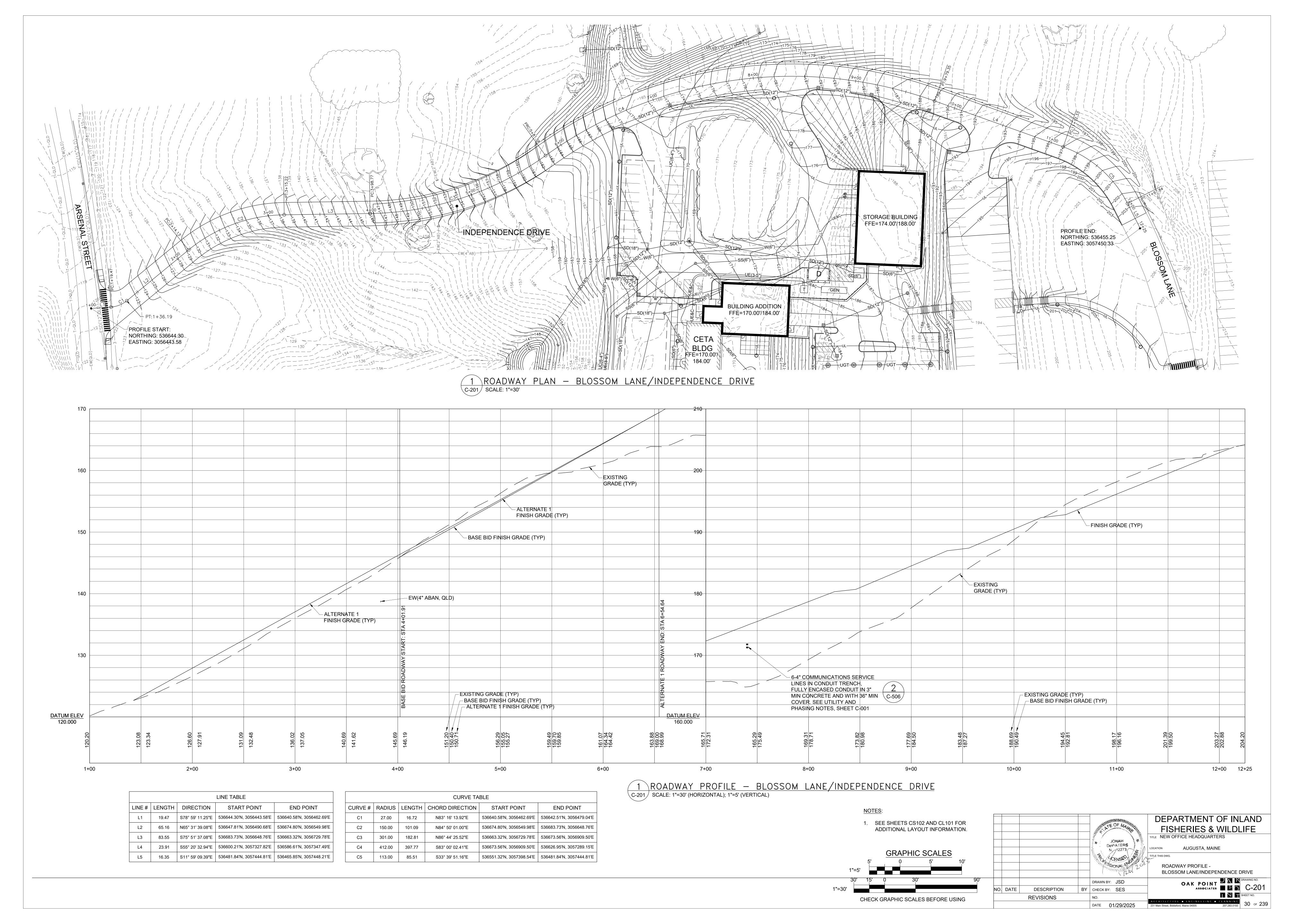












#### **EROSION AND SEDIMENT CONTROI**

#### A. GENERAL NOTES

1. DURING CONSTRUCTION AND THEREAFTER, IMPLEMENT EROSION CONTROL MEASURES AS INDICATED AND SPECIFIED. EROSION CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE CURRENT EDITION "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS" BY THE MAINE DEP.

2. IMPLEMENT NECESSARY MEASURES TO CONTROL EROSION AND SEDIMENTATION FROM THE PROJECT SITE AS REQUIRED PURSUANT TO THE MAINE EROSION AND SEDIMENTATION CONTROL LAW AND MAINE GENERAL CONSTRUCTION PERMIT REQUIREMENTS.

3. LIMIT AREAS OF EXPOSED SOILS TO THOSE AREAS THAT WILL ACTIVELY BE WORKED. TEMPORARILY STABILIZE ANY AREA OF DISTURBED SOIL THAT REMAINS UNWORKED FOR MORE THAN 14 DAYS USING TEMPORARY MULCHING (IF THE SOIL WILL BE PERMANENTLY STABILIZED WITHIN 30 DAYS) OR TEMPORARY SEEDING AND MULCHING (IF THE SOIL WILL NOT BE PERMANENTLY STABILIZED WITHIN 30 DAYS). PERMANENTLY STABILIZE ANY AREA OF DISTURBED SOIL BROUGHT TO FINAL GRADE WITHIN 7 DAYS. DISTURBED SOILS DO NOT INCLUDE COMPACTED STRUCTURAL FILLS USED FOR ROADS, PARKING LOTS, AND BUILDING FOUNDATIONS.

4. TEMPORARY EROSION CONTROL MEASURES INCLUDE THE USE OF EROSION CONTROL DEVICES, TEMPORARY SEEDING AND MULCHING, CONSTRUCTION PHASING, AND PROVISIONS FOR STABILIZING INACTIVE AREAS. PERMANENT EROSION CONTROL MEASURES INCLUDE THE USE OF EROSION CONTROL BLANKETS, RIPRAP OUTLET PROTECTION, AND PERMANENT SEEDING AND MULCHING.

5. PROVIDE INLET PROTECTION FOR EACH CATCH BASIN ON THE SAME DAY THAT BACKFILL IS PLACED AROUND THE CATCH BASIN. SEE DETAIL 1/C-502

6. PROVIDE PLANTING SOIL, SEED, FERTILIZER AND MULCH ON DISTURBED AREAS NOT OTHERWISE SPECIFIED. PERMANENT SEEDING MUST BE ACCOMPLISHED BETWEEN THE DATES OF APRIL 15 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1. WATER VEGETATED AREAS AS NECESSARY TO ESTABLISH A VIGOROUS GRASS.

#### B. INSPECTION AND MAINTENANCE

 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 PARCEL AT LEAST ONCE A WEEK AND BEFORE AND AFTER EACH STORM EVENT. GREATER THAN 0.1 INCH. PRIOR TO COMPLETION OF PERMANENT STABILIZATION. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) STANDARDS AND ANY DEPARTMENTAL COMPANION DOCUMENT TO THIS PERMIT, MUST CONDUCT THE INSPECTION. THIS PERSON MUST BE IDENTIFIED IN THE INSPECTION LOG. IF BEST MANAGEMENT PRACTICES (BMPs) NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.

2. 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. MAJOR OBSERVATIONS MUST INCLUDE BMPs THAT NEED TO BE MAINTAINED; LOCATION(S) OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION; AND LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION. FOLLOW-UP TO CORRECT DEFICIENCIES OR ENHANCE CONTROLS MUST ALSO BE INDICATED IN THE LOG AND DATED, INCLUDING WHAT ACTION WAS TAKEN AND WHEN.

3. MAINTAIN EROSION CONTROL MEASURES FOR THE LIFE OF THE PROJECT AND UNTIL PERMANENT STABILIZATION OF THE ENTIRE SITE IS ESTABLISHED. PERMANENT STABILIZATION MUST CONSIST OF AT LEAST 90-PERCENT VEGETATION, PAVEMENT, GRAVEL BASE, OR RIPRAP.

4. SEDIMENT ACCUMULATIONS MUST BE REMOVED FROM SILT FENCES, HAY BALE BARRIERS, AND STONE CHECK DAMS WHEN THE SEDIMENT DEPTH APPROACHES 6 INCHES, OR AS INDICATED ON DETAILS ON DRAWINGS C-501 AND C-502.

THE AREA OF THE DETENTION PONDS/TREATMENT AREAS AND EMBANKMENTS MUST BE INSPECTED WEEKLY AND AFTER EACH STORM EVENT. EROSION AND AREAS OF EXPOSED SOILS MUST BE PROMPTLY SEEDED AND MULCHED.

6. PROTECT STABILIZED AREAS FROM EROSION AND IMMEDIATELY REPAIR / REVEGETATE ERODED AREAS.

7. REMOVE TEMPORARY EROSION CONTROL MEASURES WITHIN 30 DAYS AFTER THE TRIBUTARY AREA HAS BEEN PERMANENTLY STABILIZED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE.

#### C. CONSTRUCTION DEWATERING

1. IF DEWATERING OF EXCAVATIONS ARE NECESSARY, UTILIZE BAG-TYPE DEWATERING SEDIMENT FILTERS. DEWATERING SEDIMENT FILTERS MUST BE LOCATED A MINIMUM OF 100 FEET FROM ANY WATER BODY OR WETLAND. SEE DETAIL 6/C-501.

#### D. SEQUENCE OF CONSTRUCTION

INSTALLED.

1. CONSTRUCTION MUST BE PHASED TO DISTURB THE LEAST PRACTICAL AREA AT A TIME AND MINIMIZE DISRUPTION AND COMPLY WITH THE REQUIREMENTS OUTLINED IN THE MAINE CONSTRUCTION GENERAL PERMIT. CONSTRUCTION IS EXPECTED TO BEGIN IN THE FALL 2024 AND BE COMPLETED BY SUMMER 2027. INITIAL OPERATIONS INCLUDE LAYOUT OF CLEARING LIMITS AND INSTALLATION OF SILT FENCE. EROSION CONTROL MIX AND CONSTRUCTION ENTRANCE / EXIT AS INDICATED ON REMOVALS SITE PLAN AND GRADING PLANS.

2. CLEAR TREES, GRUB OUT STUMPS, AND STRIP TOPSOIL. REMOVE WOODY DEBRIS FROM THE PROJECT SITE. STOCKPILE TOPSOIL AS SHOWN ON REMOVALS SITE PLAN AND GRADING PLAN. PROVIDE SILT FENCE DOWNGRADE OF ALL STOCKPILES AND COVER STOCKPILES WITH MULCH.

3. COMMENCE LARGE-SCALE EARTH MOVING OPERATIONS AND INSTALL EROSION CONTROL BLANKETS AND STONE CHECK DAMS AS SWALES AND OTHER AREAS ARE ESTABLISHED. AS AREAS APPROACH FINISH GRADE, AND AFTER ESTABLISHMENT OF GRASS IN THE DETENTION BASIN/TREATMENT AREAS, CONSTRUCT STORM DRAINAGE SYSTEM BEGINNING AT THE LOW POINT IN THE SYSTEM. PROVIDE CULVERT INLET AND OUTLET PROTECTION AS SOON AS PIPES ARE

4. PERFORM GRADING AND SHAPING TO FILTER BED SUBGRADE FOR GRASSED UNDERDRAIN SOIL FILTERS AND SAND FILTERS, AS DEPICTED ON GRADING PLANS. TREATMENT AREAS MUST BE USED AS STORMWATER AND SEDIMENTATION CONTROL TO FACILITATE CONSTRUCTION. AFTER TRIBUTARY AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE ANY ACCUMULATED SEDIMENT AND INSTALL UNDERDRAIN TO COMPLETE THE CONSTRUCTION OF THE FILTER BED.

5. CONTINUE WITH OTHER UTILITY (WATER, SEPTIC, ELECTRICAL, ETC.) AND BUILDING CONSTRUCTION. PROVIDE VEGETATION, TEMPORARY SEEDING, MULCHING, OR OTHER SURFACE TREATMENTS AS INDICATED IMMEDIATELY UPON ESTABLISHMENT OF FINISH GRADES.

ITEM	IMPLEMENTATION SCHEDULE
SILT FENCE / EROSION CONTROL MIX / SEDIMENT CONTROL FILTER SOCK	INSTALL AS FIRST ORDER OF WORK AND AS NECESSARY TO CONTROL EROSION FROM THE WORK AREA.
CONSTRUCTION ENTRANCE / EXIT	CONSTRUCT AFTER INSTALLING SILT FENCE AND PRIOR TO EARTHWORK OPERATIONS.
STONE CHECK DAMS IN SWALES	INSTALL THE SAME DAY FINAL GRADE IS ESTABLISHED AND AS NECESSARY TO CONTROL EROSION FROM THE WORK AREA.
CATCH BASIN INLET PROTECTION	INSTALL SAME DAY THAT BACKFILL IS PLACED AROUND STRUCTURE.
RIPRAP OUTLET AND INLET PROTECTION	INSTALL THE SAME DAY FINAL GRADE IS ESTABLISHED.
STABILIZATION OF INACTIVE AREAS	MULCH AREAS THAT REMAIN UN-WORKED FOR MORE THAN 14 DAYS AND WILL BE STABILIZED WITHIN 30 DAYS.
SWALES, STEEP SLOPES	INSTALL RIPRAP OR EROSION CONTROL BLANKET/NETTING (AS INDICATED ON DRAWINGS) THE SAME DAY FINAL GRADE IS ESTABLISHED.
GRASS ESTABLISHMENT	SEED AND MULCH DISTURBED AREAS WITHIN 7 DAYS OF BEING BROUGHT TO FINAL GRADE.

#### E. DITCH AND CULVERT STABILIZATION

1. ANY SECTION OF DITCH, SWALE, OR CHANNEL BROUGHT TO FINAL GRADE MUST BE STABILIZED WITH A RIPRAP LINING OR PROPERLY-INSTALLED EROSION CONTROL BLANKETS (USED OVER PERMANENT SEEDING) WITHIN 24 HOURS.

2. USE STONE CHECK DAMS AND TEMPORARY MULCHING IN ANY ROUGH-GRADED DITCH THAT WILL NOT BE FINAL GRADED AND PERMANENTLY STABILIZED WITHIN THE NEXT 7 DAYS. THE STONE CHECK DAMS AND MULCHING MUST BE PUT IN PLACE WITHIN 48 HOURS OR PRIOR TO ANY RAINFALL. SEE DETAIL 4/C-502.

3. INSTALL RIPRAP OUTLET PROTECTION WITHIN 24 HOURS OF PLACING A CULVERT. F. SOIL STOCKPILE STABILIZATION

1. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR LESS THAN 30 DAYS MUST BE COVERED WITH HAY MULCH (AT 90 LBS HAY/1000 SF) OR COVERED WITH A 4 MIL POLYETHYLENE SHEETING, WOVEN OR NON-WOVEN GEOTEXTILE FABRIC WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.

2. POLYETHYLENE SHEETING OR GEOTEXTILE FABRIC MUST BE CONTINUOUSLY ANCHORED ON ALL SIDES AND 12" TO 24" OVERLAP AT SEAMS IN THE DIRECTION OF THE RUNOFF. PROVIDE ADDITIONAL ANCHORS ON THE WINDY SIDE OF THE STOCKPILE.

3. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN LONGER THAN 30 DAYS MUST BE SEEDED WITH A CONSERVATION MIX OF ANNUAL RYE GRASS (AT 0.9 LBS/1000 SF) AND HAY MULCHED (AT 90 LBS HAY/1000 SF) WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL

4. SOIL AND FILL STOCKPILES MUST HAVE A SEDIMENT BARRIER (e.g. HAY-BALE BARRIER, SEDIMENT CONTROL FILTER SOCK, EROSION CONTROL MIX BERM OR SILT FENCING) INSTALLED AROUND THE DOWNHILL EDGE OF THE STOCKPILE TO TRAP SEDIMENTS. SEE DETAILS 1/C-501 THROUGH 4/C-501

#### G. TEMPORARY SEDIMENT CONTROL BASINS

1. MONITOR RUNOFF EXITING THE SITE TO ENSURE THAT IT DOES NOT CONTAIN COLLOIDAL CLAY AND 1. PERMANENT SEEDING MUST OCCUR BY OCTOBER 1 TO ALLOW FOR 90% STAND OF OR FINE PARTICLES. SHOULD IT BE DETERMINED THAT RUNOFF CONTAINS THESE PARTICLES, ENSURE TURF TO ESTABLISH PRIOR TO NOVEMBER 1 THAT THEY ARE DETAINED ON SITE AND NOT DISCHARGED INTO ADJACENT WETLANDS.

2. CONTROL DISCHARGE OF RUNOFF CONTAINING COLLOIDAL CLAY AND FINE PARTICLES THROUGH THE USE OF TEMPORARY SEDIMENT BASINS AND/OR SOIL STABILIZATION POLYMERS.

3. SUBMIT A SEDIMENT CONTROL PLAN FOR THE USE OF THESE DEVICES OR SIMILAR METHODS FOR CONTROLLING DISCHARGE OF RUNOFF CONTAINING COLLOIDAL CLAY AND FINE PARTICLES FOR APPROVAL BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE ARCHITECT PRIOR TO INSTALLATION.

4. MAINTAIN TEMPORARY SEDIMENT BASINS IN ACCORDANCE WITH THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WRITTEN REQUIREMENTS AND RESTORE AREAS WHERE THEY WERE

INSTALLED ONCE 90% VEGETATION HAS BEEN REACHED ON THE SITE.

#### H. TEMPORARY SEEDING - (DURING CONSTRUCTION AND PRIOR TO PERMANENT SEEDING) WITHIN

5. UTILIZE SOIL STABILIZATION POLYMERS AND OTHER PROPRIETARY SEDIMENT CONTROL DEVICES IN

14 DAYS OF INACTIVITY OR 7 DAYS AFTER BEING BROUGHT TO FINISH GRADE 1. BEDDING - REMOVE STONES AND TRASH WITHIN SEEDING THE AREA. TILL THE SOIL TO A

2. FERTILIZER - FERTILIZER MUST BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL. A 10-10-10 MIX OF FERTILIZER MUST BE APPLIED AT A RATE OF 300

DEPTH OF ABOUT 3" TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE SOIL.

POUNDS PER ACRE (OR 7 LBS/1,000 SF). 3. SEED MIXTURE - USE ANY OF THE FOLLOWING IN UPLAND AREAS:

ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.

	TEMPORARY SEEDING RATES		
SPECIES	PER ACRE	PER 1,000 SF	SEEDING DATES
WINTER RYE	112 LBS	2.6 LBS	8/15-10/1
OATS	80 LBS	1.8 LBS	4/1-7/1 & 8/15-9/15
ANNUAL RYE GRASS	40 LBS	0.9 LBS	4/1-7/1 WITH MULCH

4. MULCHING FOR TEMPORARY SEEDING - WHERE IT IS IMPRACTICAL TO INCORPORATE FERTILIZER AND SEED INTO MOIST SOIL. THE SEEDED AREA MUST BE MULCHED TO FACILITATE GERMINATION. MULCH IN THE FORM OF HAY OR STRAW MUST BE APPLIED AT A RATE OF 70 TO 90 LBS PER 1,000 SF.

TEMPORARY MULCHING MUST BE USED ON SLOPES, CHANNELS, OTHER EROSION PRONE AREAS, AND ALL EXPOSED SOILS THAT CANNOT RECEIVE PERMANENT COVER WITH 14 DAYS OF DISTURBANCE OR WITHIN 7 DAYS IN AREAS WITHIN 100' OF A NATURAL RESOURCE. MULCH MUST ALSO BE USED FOLLOWING TEMPORARY AND PERMANENT SEEDING AS SPECIFIED. MULCH ANCHORS MUST BE USED ON SLOPES GREATER THAN 5% IN FALL (PAST SEPTEMBER 15 AND OVER WINTER TO APRIL 15).

MULCHING RATES			
MULCH TYPE	RATE PER 1,000 SF	USE AND COMMENTS	
HAY OR STRAW	70 TO 90 LBS *  * DOUBLE THE RATE FOR OVER WINTER STABILIZATION	MOLD FREE AND DRY, MUST BE USED WITH PLANTINGS. ANCHOR IN AREAS OF STRONG WIND AND SLOPES GREATER THAN 5%.	
WOOD CHIPS OR BARK MULCH	3" THICK OR MORE	USE IN FLAT AREAS AND SHORT 4:1 SLOPES.	
EROSION CONTROL BLANKETS / MATS	SEE DETAIL 2/C-502	DITCHES AND STEEP SLOPES.	
EROSION CONTROL MIX	2" FOR SLOPES FLATTER THAN 3:1 OR 4" FOR SLOPES GREATER THAN 3:1. ADD AND ADDITIONAL 1/2" PER 20' OF SLOPE UP TO 100' IF SLOPE IS STEEPER THAN 3:1	FOR USE ON SLOPES LESS THAN 45%.	

#### J. TEMPORARY EROSION CONTROL BLANKET SPECIFICATIONS

1. EXCELSIOR EROSION CONTROL BLANKET MUST CONSIST OF A MACHINE PRODUCED MAT OF CURLED WOOD EXCELSIOR COVERED WITH EITHER A 3 BY 1 INCH WEAVE OF TWISTED CRAFT PAPER OR A 2 BY 1 INCH BIODEGRADABLE EXTRUDED PLASTIC MESH. THE BLANKET MUST BE OF CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED THROUGHOUT. 80 PERCENT OF THE FIBERS MUST BE OVER 6 INCHES IN LENGTH. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.8 POUNDS PER SQUARE YARD.

2. STRAW-COCONUT EROSION CONTROL BLANKET MUST CONSIST OF A MACHINE PRODUCED BLANKET OF 70 PERCENT WHEAT STRAW AND 30 PERCENT COCONUT FIBER WITH PHOTODEGRADABLE NETTING ON BOTH SIDES AND SEWN TOGETHER WITH COTTON THREAD. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.75 POUNDS PER SQUARE YARD.

K. EXTENDED USE EROSION CONTROL BLANKET SPECIFICATION

1. JUTE EROSION CONTROL BLANKETS MUST BE OF UNIFORM PLAIN WEAVE SINGLE JUTE YARN AVERAGING APPROXIMATELY 130 POUNDS PER SPINDLE OF 14.400 YARDS. THE YARN MUST BE LOOSELY TWISTED AND WOVEN INTO 48 INCH WIDE BLANKETS WITH A MINIMUM AVERAGE WEIGHT OF 1.0 POUNDS PER SQUARE YARD.

#### L. OVER WINTER CONSTRUCTION (NOVEMBER 1 THROUGH APRIL 15)

ADDITIONAL STABILIZATION MEASURES MUST BE PROVIDED BY NOVEMBER 1 FOR WINTER AND SPRING SNOW MELT IF THE CONSTRUCTION SITE IS NOT PERMANENTLY STABILIZED WITH PAVEMENT, GRAVEL ROAD BASE, 90% MATURE VEGETATION COVER, EROSION CONTROL MULCH OR RIPRAP. PERMANENT SEEDING MUST OCCUR BY AUGUST 15 (45 DAYS BEFORE THE FIRST KILLING FROST), OTHERWISE, OVER WINTER MULCHING IS REQUIRED.

CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS BY SEPTEMBER CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS BY NOVEMBER 15.

IF THE CONTRACTOR FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED (75% COVER) BY NOVEMBER 15, THEN THE CONTRACTOR MUST TAKE THE FOLLOWING ACTION TO STABILIZE THE DITCH FOR WINTER AND SPRING:

#### a. STONE RIPRAP LINING IN THE DITCH OR CHANNE

LINE THE DITCH OR CHANNEL WITH STONE RIPRAP BY NOVEMBER 15. USE ANGULAR D50 = 6" STONE FOR STONE RIPRAP OVER FILTER FABRIC. IF NECESSARY, REGRADE THE DITCH / CHANNEL PRIOR TO PLACING THE STONE RIPRAP LINING TO PREVENT THE STONE RIPRAP LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

2. VEGETATED AREAS WITH SLOPES OF 15% SLOPE OR LESS MUST HAVE 90% GRASS COVER BY NOVEMBER 1st OR BE SEEDED WITH WINTER RYE AT 3 LBS PER 1,000 SF, MULCHED WITH HAY AT 75 LBS PER 1,000 SF, AND ANCHORED WITH NETTING OR, BY NOVEMBER 15th, TAKE ONE OF THE THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR WINTER AND SPRING:

#### a. <u>EROSION CONTROL BLANKET</u> - SEE DETAIL 2/C-502.

THE MIX MUST BE WELL-GRADED WITH AN ORGANIC COMPONENT THAT IS BETWEEN 50 AND 100% OF DRY WEIGHT, AND THAT IS COMPOSED OF FIBROUS AND ELONGATED FRAGMENTS. THE MINERAL PORTION OF THE MIX MUST BE NATURALLY INCLUDED IN THE PRODUCT WITH NO LARGER ROCKS (>3") OR LARGE AMOUNTS OF FINES (SILTS AND CLAYS). IN STUMP GRINDING, THE MINERAL SOIL ORIGINATES FROM THE ROOT BALL AND MUST NOT BE REMOVED BEFORE GRINDING. THE MIX MUST BE FREE OF REFUSE, MATERIAL TOXIC TO PLANT GROWTH OR UNSUITABLE MATERIAL (BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS). APPLY A THICKNESS OF 2" ON 3:1 SLOPES OR LESS AND ADD AN ADDITIONAL 1/2" PER 20' OF SLOPE OR UP TO 4" FOR A 100' SLOPE.

#### APPLY AT A RATE OF 150 LBS PER 1.000 SF (3 TONS PER ACRE) AND ANCHORED WITH NETTING (PEG AND TWINE) OR A TRAKIFIER TO PREVENT MULCH DISPLACEMENT BEFORE FREEZING CONDITIONS. NO SOIL MUST BE VISIBLE THROUGH THE MULCH AND HAY MULCH CAN NOT BE

APPLIED OVER SNOW. 3. VEGETATED SLOPES GREATER THAN 15% MUST BE SEEDED AND MULCHED BY SEPTEMBER 1. IF A SLOPE IS NOT STABILIZED BY OCTOBER 15, THE SOIL MUST BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 LBS PER 1,000 SF AND PROTECTED WITH EROSION CONTROL BLANKETS. IF THE RYE FAILS TO GROW 3" OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 15 TAKE ONE OF THE THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR WINTER AND SPRING:

#### a. EROSION CONTROL BLANKET - SEE DETAIL 2/C-502.

b. <u>EROSION CONTROL MIX</u> - THE MIX MUST BE WELL-GRADED WITH AN ORGANIC COMPONENT THAT IS BETWEEN 50 AND 100% OF DRY WEIGHT, AND THAT IS COMPOSED OF FIBROUS AND ELONGATED FRAGMENTS. THE MINERAL PORTION OF THE MIX MUST BE NATURALLY INCLUDED IN THE PRODUCT WITH NO LARGER ROCKS (>3") OR LARGE AMOUNTS OF FINES (SILTS AND CLAYS). IN STUMP GRINDING, THE MINERAL SOIL ORIGINATES FROM THE ROOT BALL AND MUST NOT BE REMOVED BEFORE GRINDING. THE MIX MUST BE FREE OF REFUSE, MATERIAL TOXIC TO PLANT GROWTH OR UNSUITABLE MATERIAL (BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS). APPLY A THICKNESS OF 4" ON GREATER THAN 3:1 AND AND IF SLOPES ARE GREATER THAN 60' LONG, 5" IS NEEDED.

c. RIPRAP - ANGULAR STONE WITH SIZE AND THICKNESS APPROPRIATE TO STABILIZE THE SLOPE. 4. SOIL STOCKPILES: MUST BE MULCHED FOR OVER WINTER PROTECTION WITH HAY AT TWICE THE NORMAL RATE (150 LBS PER 1,000 SF), OR WITH 4" LAYER OF EROSION CONTROL MIX. DO NOT LEAVE STOCKPILES, EVEN OVER WINTER (EVEN MULCHED), WITHIN 100' OF OF A PROTECTED RESOURCE.

#### M. PERMANENT SEEDING - (SEEDING DATES APRIL 15 TO JUNE 1 OR AUGUST 15 TO OCTOBER 1 ONLY)

2. SITE PREPARATION - INSTALL NEEDED SURFACE WATER CONTROL MEASURES PRIOR TO SEEDING. GRADE TO PERMIT USE OF CONVENTIONAL EQUIPMENT FOR SEED-BED PREPARATION. PROVIDE ADEQUATE DRAINAGE WHERE INTERNAL WATER MOVEMENT MUST CAUSE SEEPS OR SLIPPAGE BEFORE SEEDING IS WELL ESTABLISHED.

3. BEDDING - STONES, TRASH, ROOTS, AND OTHER DEBRIS THAT WILL INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA MUST BE REMOVED. WHERE FEASIBLE THE SOIL MUST BE TILLED TO A DEPTH OF 4" TO PREPARE A SEEDBED AND MIX FERTILIZER INTO THE SOIL. WHEN PRACTICAL, PERFORM ALL CULTURAL OPERATIONS AT RIGHT ANGLES TO THE SLOPE. PROVIDE THE BEST CONDITIONS POSSIBLE FOR SEEDING.

4. FERTILIZER - LIME AND FERTILIZER MUST BE APPLIED EVENLY OVER THE AREA PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER MUST BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM MUST BE APPLIED:

a. GROUND LIMESTONE AT A RATE OF 138 LBS PER 1,000 SF (3 TONS PER ACRE) 10-20-20 FERTILIZER OR EQUIVALENT AT 18.4 LBS PER 1,000 SF (800 LBS PER ACRE) WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4" EITHER BEFORE OR DURING THE FINAL SEEDBED PREPARATIONS.

5. SEED MIXTURE: SEE SPECIFICATIONS AND DRAWINGS FOR SEEDING MIXTURES AND LOCATIONS OF SEED MIXTURE TYPES.

#### N. RIPRAP SPECIFICATION

 RIPRAP AND STONE FOR CHECK DAMS AND STONE LININGS MUST CONSIST OF SOUND, DURABLE ROCK WHICH WILL NOT DISINTEGRATE BY EXPOSURE TO WATER OR WEATHER. ANGULAR FIELD STONE, ROUGH QUARRY STONE OR BLASTED LEDGE ROCK MUST BE USED. THE MEDIAN STONE SIZE MUST BE AS INDICATED. THE MAXIMUM STONE SIZE MUST BE TWICE THE MEDIAN SIZE. INCLUDE ENOUGH SMALLER STONES TO FILL THE VOIDS IN THE LARGER STONES.

#### O. OFF-SITE VEHICLE TRACKING

1. VEHICLE ACCESS TO THE CONSTRUCTION AREAS MUST UTILIZE CONSTRUCTION ENTRANCE / EXITS. A STABILIZED CONSTRUCTION ENTRANCE, AS DETAILED ON THE PLANS, MUST BE PROVIDED AT EACH LOCATION. REFER TO DRAWINGS CD101 AND CG101. SEE DETAIL 5/C-501.

 ALL WASTE MATERIALS MUST BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE MUST BE DEPOSITED IN A DUMPSTER. NO CONSTRUCTION WASTE MATERIALS MUST BE BURIED ON SITE.

2. ALL HAZARDOUS WASTE MATERIALS MUST BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER.

ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR 4. ALL MATERIALS STORED ON SITE MUST BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINER AND IF POSSIBLE UNDER A ROOF OR OTHER

3. ALL SANITARY WASTE MUST BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF

ENCLOSURE. STORE ONLY SUFFICIENT AMOUNTS OF MATERIALS TO COMPLETE THE JOB.

5. DISPOSE OF NOT TO BE USED SURPLUS MATERIALS OFF SITE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND STATE AND FEDERAL CODES.

6. ALL CONSTRUCTION RELATED EQUIPMENT AND VEHICLES MUST BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE LEAKAGE.

7. CONCRETE TRUCKS MUST DISCHARGE AND WASH OUT SURPLUS CONCRETE OR DRUM WASH WATER IN A CONTAINED AREA ON SITE. 8. ALL SPILLS MUST BE CLEANED UP IMMEDIATELY AFTER DISCOVERY IN ACCORDANCE WITH

THE MANUFACTURER'S RECOMMENDED METHODS. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP MUST BE KEPT IN THE MATERIAL STORAGE AREA ON SITE AND MUST INCLUDE, BUT BE NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS. SPILLS OF TOXIC OR HAZARDOUS MATERIALS MUST BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY IMMEDIATELY REGARDLESS OF THE SIZE.

#### Q. DUST CONTROL

STAKE —

介 FLOW

STAKED HAY

OR STRAW

BALES (TYP)

**EXCAVATED SOIL** 

BACKFILLED AND PACKED

TO GROUND LEVEL (TYP)—

HAY BALE EROSION PROTECTION NOTES

TO PREVENT WATER FLOW BETWEEN BALES.

THE SILT FENCE ON THE DOWN SLOPE SIDE.

MADE IMMEDIATELY AS NEEDED.

UNEXPECTED SEDIMENTATION.

**ENTRENCHED 4" (TYP)** 

1. CONTROL DUST WITH PERIODIC WATERING OF THE EXPOSED SOIL SURFACES WITH ADEQUATE WATER TO CONTROL DUST FROM BECOMING AIRBORNE. REPETITIVE TREATMENTS MUST BE APPLIED AS NEEDED TO CONTROL DUST THROUGHOUT CONSTRUCTION UNTIL AREAS HAVE BEEN STABILIZED.

STAKE-

1. EACH BALE MUST BE ENTRENCHED IN THE SOIL A MINIMUM OF 4".

BINDINGS ON THE BALES MUST BE PARALLEL WITH THE GROUND.

SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

ENTRENCHED DETAIL

2. BALES MUST BE SECURELY ANCHORED IN PLACE BY A MINIMUM OF 2 STAKES DRIVEN

BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER. THE

3. FILL GAPS BETWEEN BALES BY CHINKING / WEDGING WITH HAY OR STRAW

4. INSPECTION MUST BE FREQUENT AND REPAIR OR REPLACEMENT MUST BE

SMALL WATERSHED, AND AS AS EMERGENCY MEASURE FOR CONTROLLING

6. BALES MUST BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS

7. BALES MAY BE USED AS SILT FENCE REINFORCEMENT WHERE NECESSARY

PLACE THE BALE IN CONTACT (THE LONG SIDE OF THE BALE) AND PARALLEL TO

4 TYP HAY BALE EROSION PROTECTION DETAIL

5. BALES ARE FOR USE AS SEDIMENT BARRIERS FOR SMALL DISTURBANCES WITH A

THROUGH THE BALES 1.5' TO 2' INTO THE GROUND. THE FIRST STAKE IN EACH BALE MUST

FINISH GRADE

OR SUBGRADE-

**ELEVATION** 

**DITCH SECTION** 

NORMAL USE IN NARROW

-OVERLAP BALES

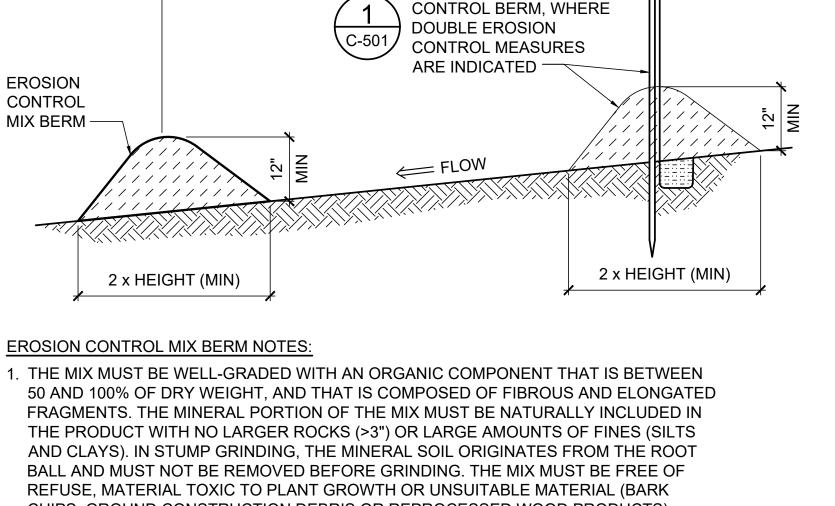
**EXCAVATED SOIL** 

**BACKFILLED AND** 

PACKED TO 4" HIGH

ON UPHILL SIDE (TYP)

2. OTHER METHODS TO CONTROL DUST MAY BE ALLOWED WITH APPROVAL BY THE OWNER AND ARCHITECT.



**CLAMP STAKES** 

WHEN SPLICING

TOGETHER

SECTIONS :

**FOLD FILTER** 

**FABRIC ON** 

TO GRADE -

EXIST UNDISTURBED

GRADE (TYP)—

12" MIN OR AS

FOR SUPPORT -

TYP SILT FENCE DETAIL

SILT FENCE OR EROSION

REQUIRED

STAKES 6' OC MAX

PONDING HEIGHT

-24" MIN / 36" MAX

EXCAVATE 6"x6"

REPAIRS/REPLACEMENT MADE IMMEDIATELY.

WITH TRENCHING

SILT FENCE NOTES

**FABRIC IN BOTTOM** 

TRENCH, FOLD FILTER

BACKFILL AND COMPACT

FILTER FABRIC (WIRE

MESH OPTIONAL) (TYP)

-FINISH GRADE

(WORK AREA)

1. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS EXCEED 6" IN DEPTH

2. SILT FENCES MUST BE INSPECTED AFTER EACH RAINFALL AND ALL NECESSARY

3. SILT FENCES MUST BE REMOVED AFTER SATISFACTORY VEGETATIVE COVER IS

4. IN AREAS WHERE SILT FENCE CAN NOT BE TRENCHED SUCH AS FROZEN GROUND

BEDROCK, STONY SOIL, ROOTS OR NEAR A PROTECTED RESOURCE THE SILT FENCE

MUST BE ANCHORED USING THE "WITHOUT TRENCHING" METHOD SHOWN ABOVE.

3' (MIN), 10' (MAX)

ESTABLISHED. PROVIDE TOPSOIL, FINISH GRADE, SEED AND MULCH DISTURBED AREAS.

CLAMP STAKES

WHEN SPLICING

TOGETHER

SECTIONS —

UNDISTURBED

GRADE (TYP) -

12" MIN OR AS

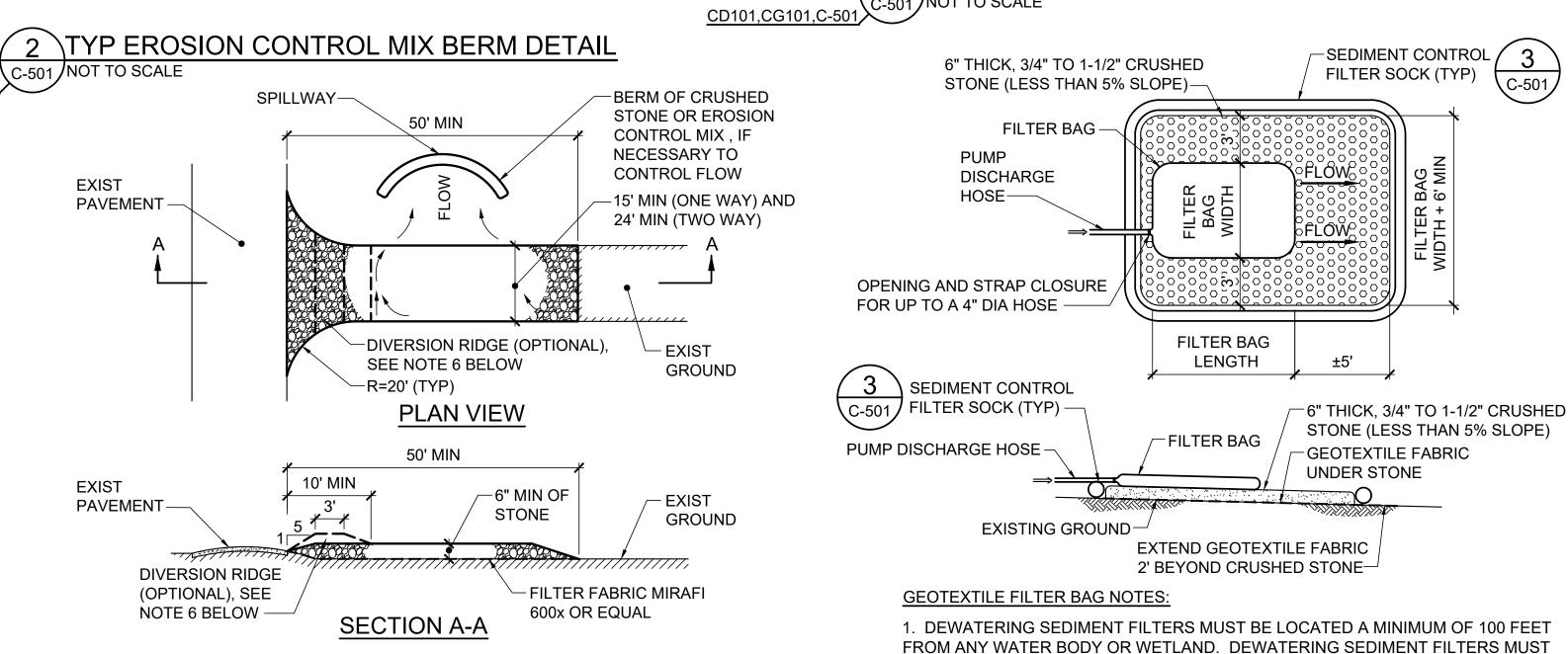
FOR SUPPORT—

REQUIRED

**EXIST** 

CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS)

2. WHERE DOUBLE EROSION CONTROL MEASURES ARE INDICATED PLACE THE EROSION CONTROL MIX BERM 3'-10' DOWN SLOPE, CONTINUOUS AND PARALLEL WITH THE SILT FENCE.



- MINIMUM 1"x1" HARDWOOD

STAKES 6' OC MAX

PONDING HEIGHT

—24" MIN / 36" MAX

12" MIN

-FILTER FABRIC (WIRE

MESH OPTIONAL) (TYP)

—9" MAX STORAGE HEIGHT

- 8" HIGH CONTINUOUS

EROSION CONTROL

MIX, AGGREGATE OR

3/4" CRUSHED STONE

ON TOP OF THE

FILTER FABRIC

FINISH GRADE

(WORK AREA)

#### STABILIZED CONSTRUCTION ENTRANCE / EXIT NOTES

**EXIST** 

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE / EXIT MUST BE ANGULAR 2 TO 3 INCH STONE OR APPROPRIATE RECLAIMED CONCRETE MATERIAL

2. THE LENGTH OF THE STABILIZED ENTRANCE / EXIT MUST NOT BE LESS THAN 50 FEET.

3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE / EXIT MUST NOT BE LESS THAN 6 INCHES.

4. THE WIDTH OF THE ENTRANCE / EXIT MUST NOT BE LESS THAN THE FULL WIDTH OF THE

ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 16 FEET, WHICHEVER IS GREATER. 5. GEOTEXTILE FILTER FABRIC MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE / EXIT

MUST BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A DIVERSION RIDGE WITH 5:1 SLOPES

THAT CAN BE CROSSED BY VEHICLES MUST BE SUBSTITUTED FOR THE PIPE. IF THE ENTRANCE / EXIT SLOPES 5% OR MORE TOWARD THE EXISTING ROAD A DIVERSION RIDGE IS REQUIRED. 7. THE ENTRANCE / EXIT MUST BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS OUTSIDE THE PROJECT SITE. THIS MUST REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR

TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. 8. WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO EXITING THE PROJECT SITE. WHEN WASHING IS REQUIRED, IT MUST BE PERFORMED ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

a. WEIGHT IN ACCORDANCE WITH ASTM D3776: 8 OZ/YARD MIN b. GRAB TENSILE STRENGTH IN ACCORDANCE WITH ASTM D4632: 205 LBS MIN c. PUNCTURE RESISTANCE IN ACCORDANCE WITH ASTM D4833: 110 LBS MIN

BE A NON-WOVEN GEOTEXTILE FABRIC WITH THE FOLLOWING MINIMUM

d. MULLEN BURST STRENGTH IN ACCORDANCE WITH ASTM D3786: 350 PSI MIN e. AOS % RETAINED IN ACCORDANCE WITH ASTM D4751: 100 US SIEVE

- 8" MIN DIA TO 16" DIA SEDIMENT

CONTROL FILTER SOCK (MESH OR

WITH EROSION CONTROL MEDIA

**PONDING HEIGHT** 

SIDE VIEW

SEDIMENT CONTROL

FILTER SOCK (TYP)

**END OVERLAP PLAN** 

FRONT VIEW - OPTIONAL PONDING AREA

SEDIMENT CONTROL FILTER SOCKS MUST BE MANUFACTURED FOR THE PURPOSE OF

2. REMOVE ROOTS, ROCKS, MOW OR FLATTEN GRASS TO MAINTAIN FULL CONTACT WITH

REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE HALF THE FILTER SOCK

5. SECURE SEDIMENT CONTROL FILTER SOCKS WITH CONCRETE BLOCKS AND/OR WOOD

STAKES IN LOCATIONS WHERE SOCK FAILS TO REMAIN IN PLACE DUE TO HYDRAULIC

6. EROSION CONTROL MIX MUST CONSIST PRIMARILY OF WELL LOCALLY SOURCED ORGANIC

FILTER MEDIA SPECIFICALLY INTENDED FOR USE IN EROSION CONTROL. SILT, CLAY, OR

3 TYP SEDIMENT CONTROL FILTER SOCK DETAIL

FINE SAND ARE NOT ACCEPTABLE IN THE FILTER SOCK EROSION CONTROL MIX.

TEMPORARY SEDIMENT CONTROL AND INSTALLED ACCORDING TO THE MANUFACTURERS

SEDIMENT CONTROL FILTER SOCKS MUST REMAIN IN PLACE UNTIL TRIBUTARY AREAS ARE

FORCE. SPACE BLOCKS/STAKES AT INTERVALS NECESSARY TO KEEP FILTER SOCK FROM

//////

//////

//////

±12"

SEDIMENT CONTROL FILTER SOCK NOTES:

RECOMMENDATIONS.

GROUND AND FILTER SOCK.

/////

GEOSYNTHETIC FABRIC TUBE) FILLED

**OVERLAP SEDIMENT** 

ENDS 2'-0" MIN

CONTROL FILTER SOCK

- OPTIONAL PONDING

AREA AT LOW SPOT

100' MAX

SLOPE

- SEDIMENT CONTROL

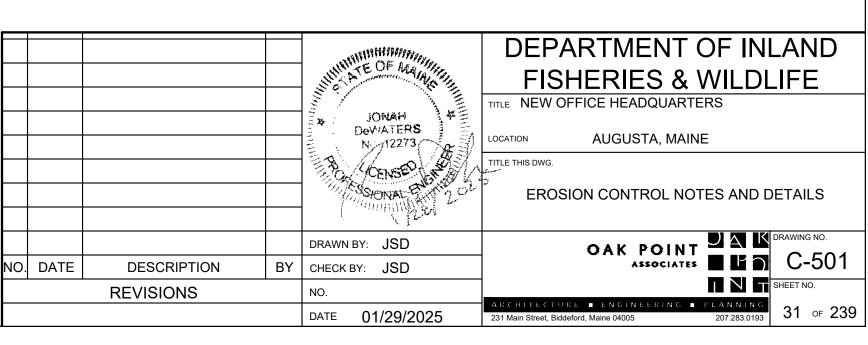
FILTER SOCK (TYP)

LENGTH

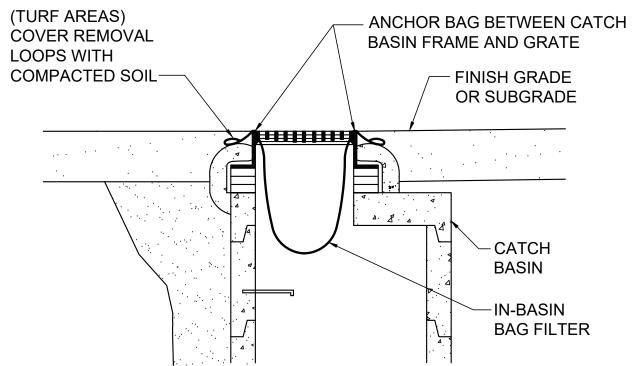
f. FLOW RATE IN ACCORDANCE WITH ASTM D4491: 60 GAL/MIN/SF 2. INSTALL, OPERATE AND REMOVE DEWATERING SEDIMENT FILTERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PRINTED

INSTRUCTIONS.





#### STABILIZED CONSTRUCTION \ENTRANCE / EXIT DETAIL



1. IN-BASIN BAG FILTERS MUST BE A WOVEN POLYPROPYLENE WITH THE FOLLOWING MINIMUM PROPERTIES:

- a. GRAB TENSILE STRENGTH ACCORDING TO ASTM D4632: 300 LBS
- b. PUNCTURE RESISTANCE ACCORDING TO ASTM D4833: 120 LBS
- c. MULLEN BURST ACCORDING TO ASTM D3786: 800 PSI
- d. FLOW RATE ACCORDING TO ASTM D4491: 44 GAL/MIN/SF

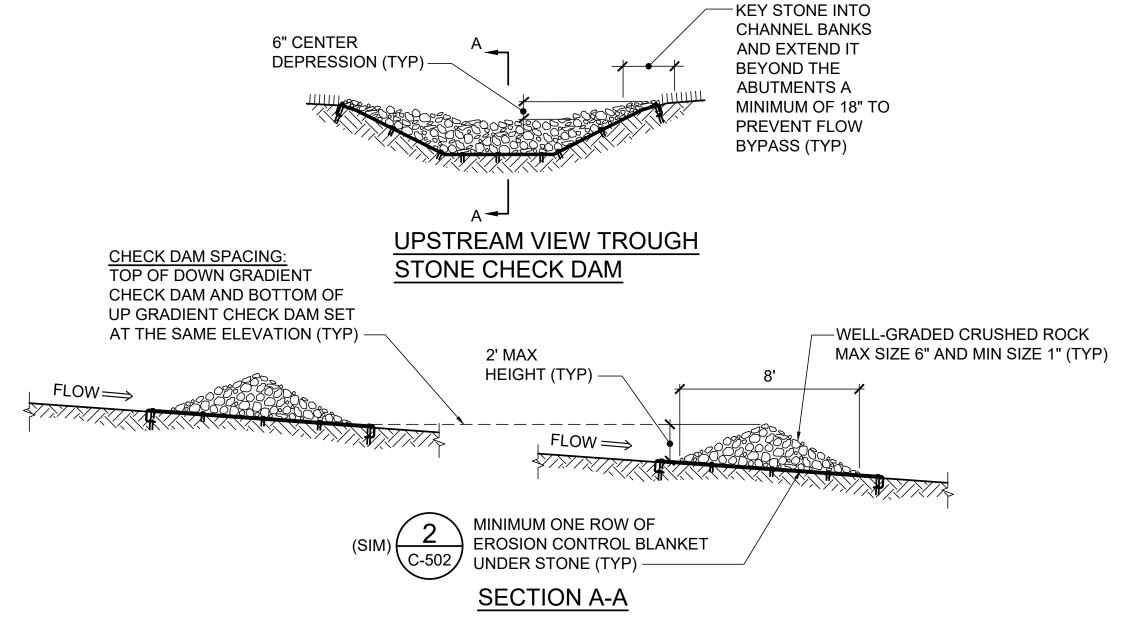
2. BAG FILTER SEAMS MUST BE DOUBLE STITCHED WITH HIGH-STRENGTH NYLON THREAD AND MUST HAVE AN AVERAGE WIDE WIDTH STRENGTH PER ASTM D4884 OF 165 LBS/INCH.

3. PROVIDE INLET PROTECTION IN EXISTING OR NEWLY PAVED AREAS WITH NON-STABILIZED TRIBUTARY WATERSHEDS.

4. REMOVE ACCUMULATED SEDIMENTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DO NOT PUNCTURE BAG FILTER TO CLEAN OUT SEDIMENT.

#### TYP CATCH BASIN INLET **\PROTECTION DETAIL**

C-502 NOT TO SCALE



#### STONE CHECK DAM NOTES

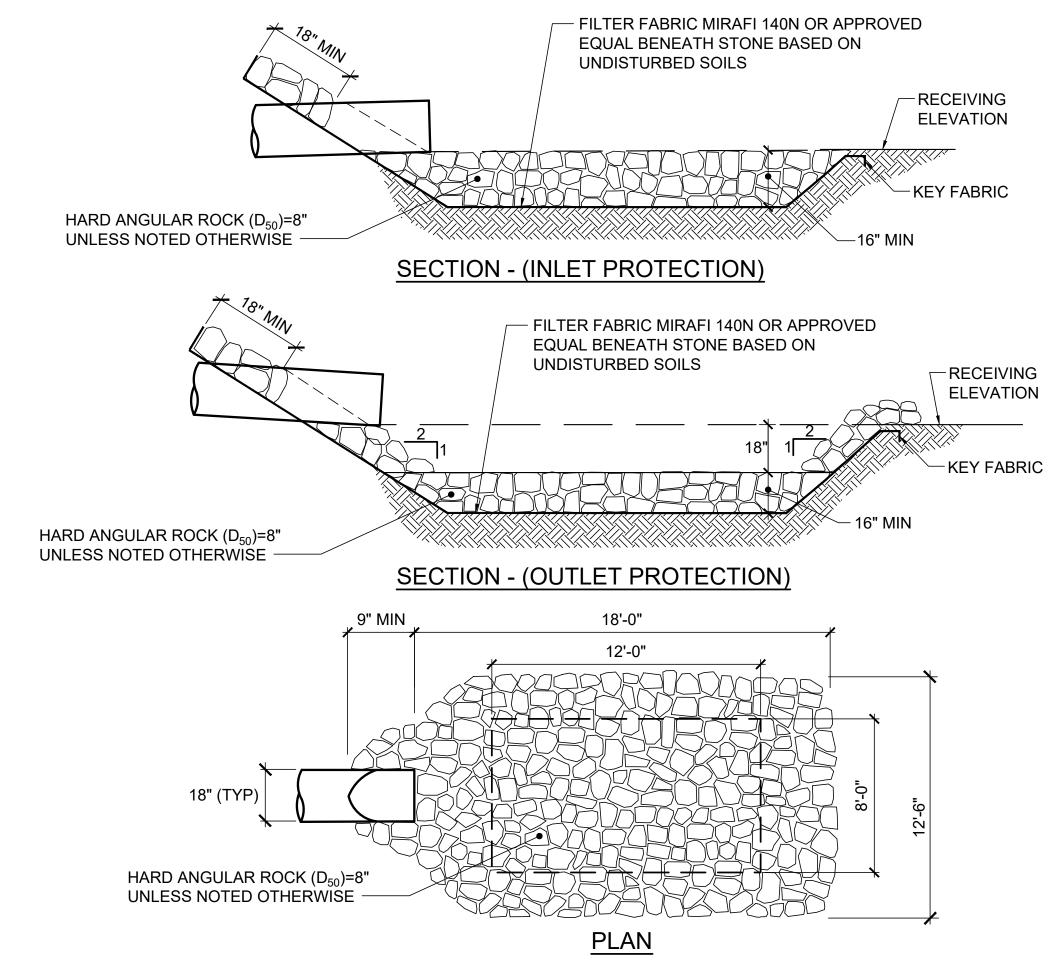
- 1. INSTALL CHECK DAM BEFORE RUNOFF IS DIRECTED TO THE SWALE.
- 2. PLACE STONE MECHANICALLY AND THEN HAND PLACEMENT TO ACHIEVE A TIGHT MASS AND TO ENSURE CENTER OF THE CHECK DAM IS LOWER THAN THE EDGES.
- 3. IMMEDIATELY CORRECT AND DOWN GRADIENT EROSION OR EDGE OF CHECK DAM EROSION.
- 4. CHECK DAMS MUST BE REMOVED WHEN SWALE IS STABILIZED WITH VEGETATION (90% COVERAGE).
- 5. CHECK DAMS ARE FOR REDUCING VELOCITY WITHIN THE SWALE AND ARE NOT EFFECTIVE FOR SILTS AND CLAYS. INSTALL SILT FENCE OR STAKED SEDIMENT FILTER SOCK DOWN GRADIENT OF THE CHECK DAM ACROSS THE SWALE IF NECESSARY.

4 TYP STONE CHECK DAM DETAIL CD101,CG101,C-501 C-502 NOT TO SCALE

TOP BERM AND **BLANKETS MUST INSTALLED** ANCHOR, SEE BELOW VERTICALLY DOWNSLOPE -EROSION CONTROL BLANKET -4" MIN OVERLAP (TYP) WIRE STAPLES STAPLE (TYP) SOIL FILL (TYP) **BLANKET** -BLANKET (TYP) TYP SLOPE SOIL STABILIZATION **EROSION CONTROL BLANKETS SLOPE INSTALLATION NOTES:** 1. INSTALL BLANKETS AND WIRE STAPLES PER MANUFACTURER'S -WIRE STAPLE (TYP) WRITTEN RECOMMENDATIONS. THE NUMBER OF WIRE STAPLES AND ROWS OF STAPLES PER EROSION CONTROL BLANKET MANUFACTURER'S WRITTEN INSTRUCTIONS. 2. SLOPE SURFACE MUST BE FREE OF ROCKS, CLODS, STICKS AND GRASS. BLANKETS MUST MAKE CONTACT WITH THE UNDERLYING SOIL

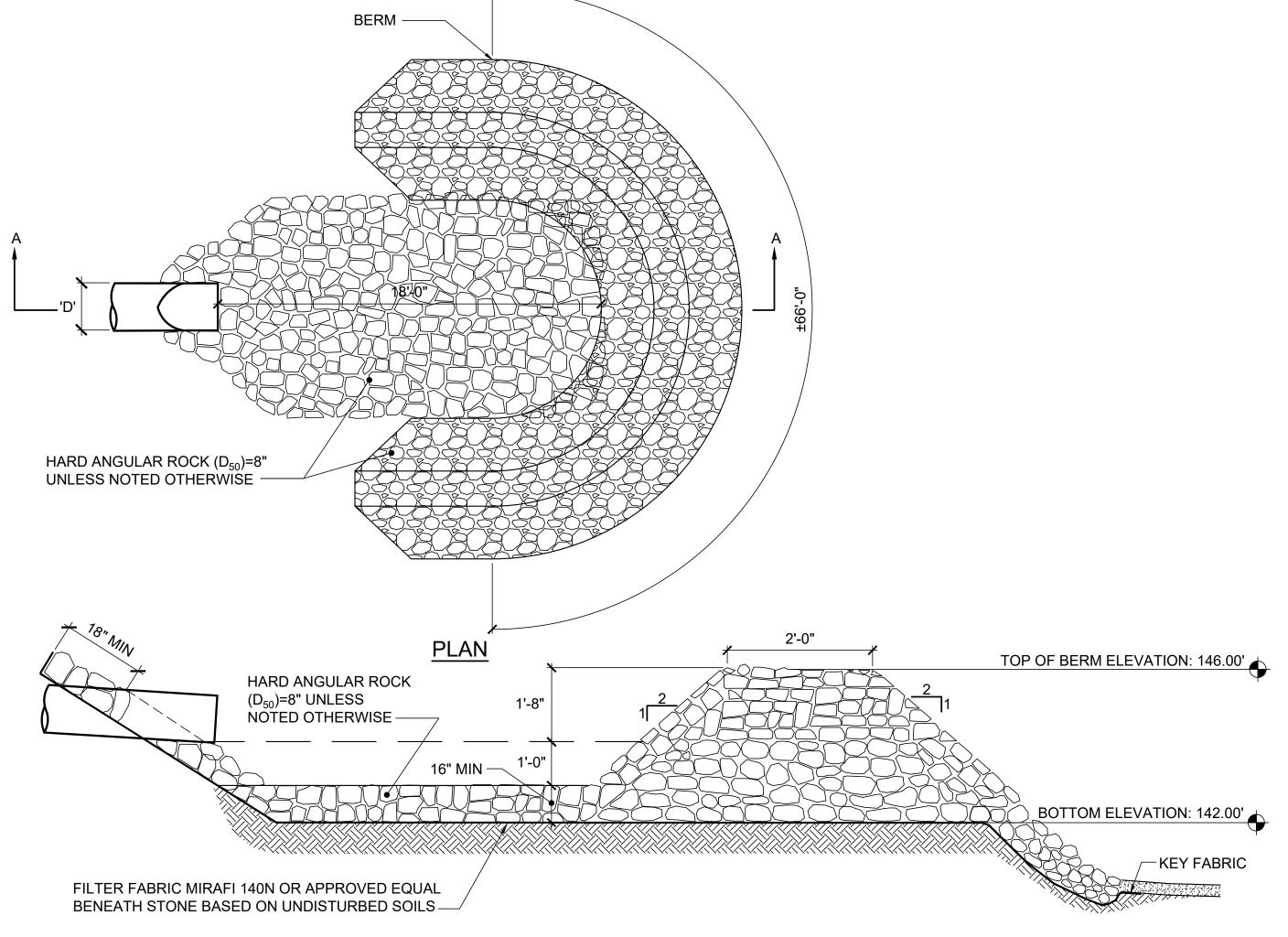
- 3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- 4. LAY BLANKETS LOOSELY AND WIRE STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL, DO NOT STRETCH.

**\EROSION CONTROL BLANKETS SLOPE INSTALLATION** 



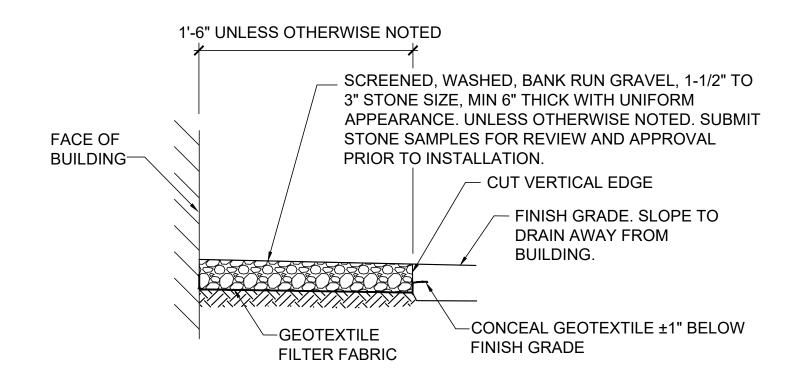
PIPE INLET/OUTLET PROTECTION NOTES: 1. IN DEFINED CHANNELS, APRON MUST EXTEND FULL WIDTH OF BOTTOM AND UP TO THE TOP OF THE BANK.

3 TYP PIPE INLET/OUTLET PROTECTION DETAIL CS101,CG101 C-502 NOT TO SCALE



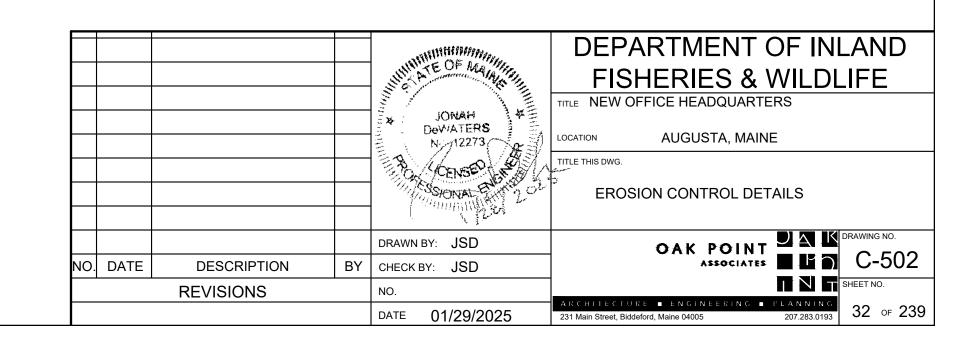
**SECTION A-A** 

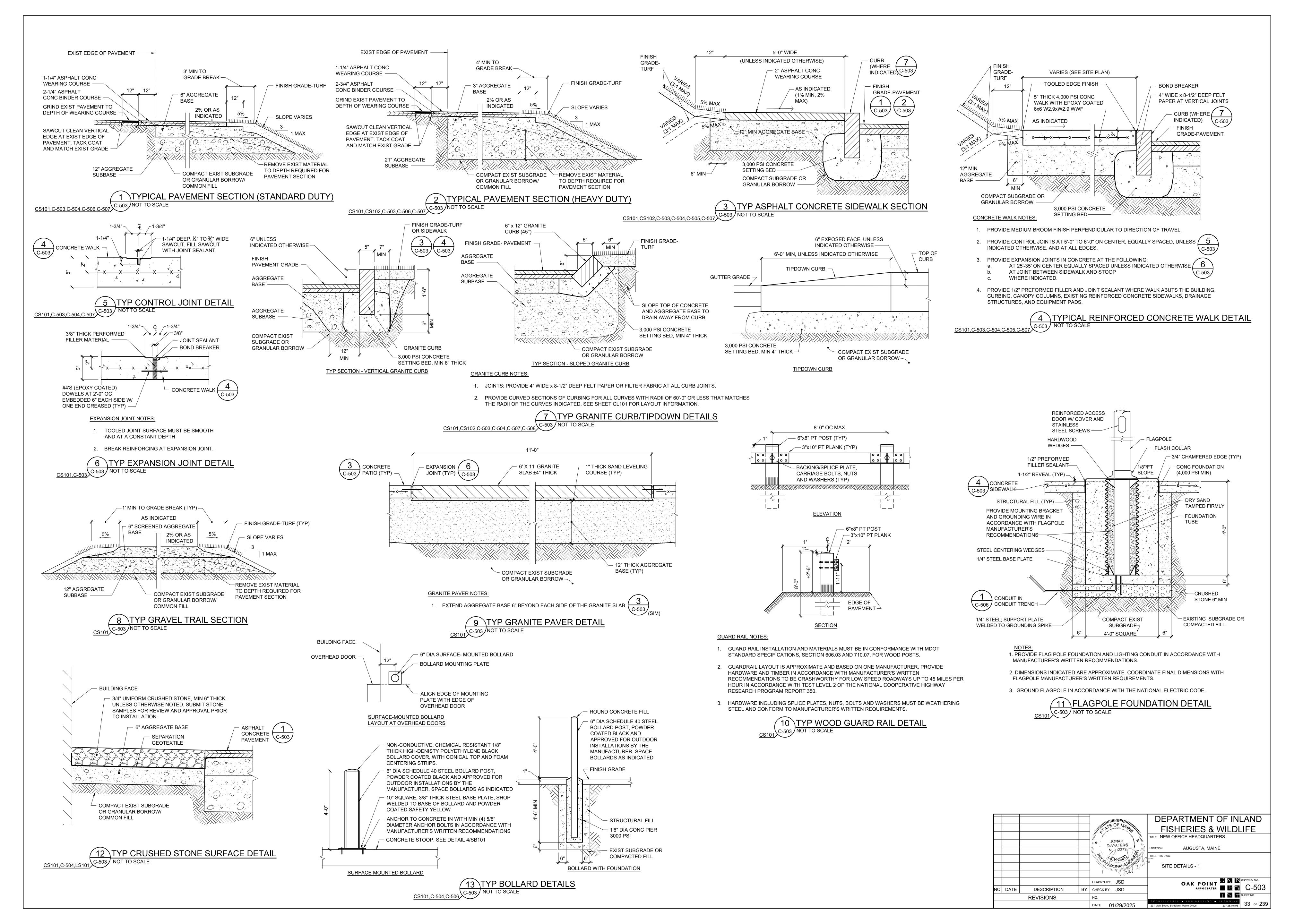
5 TYP LEVEL SPREADER DETAIL CS101,CG101 C-502 NOT TO SCALE

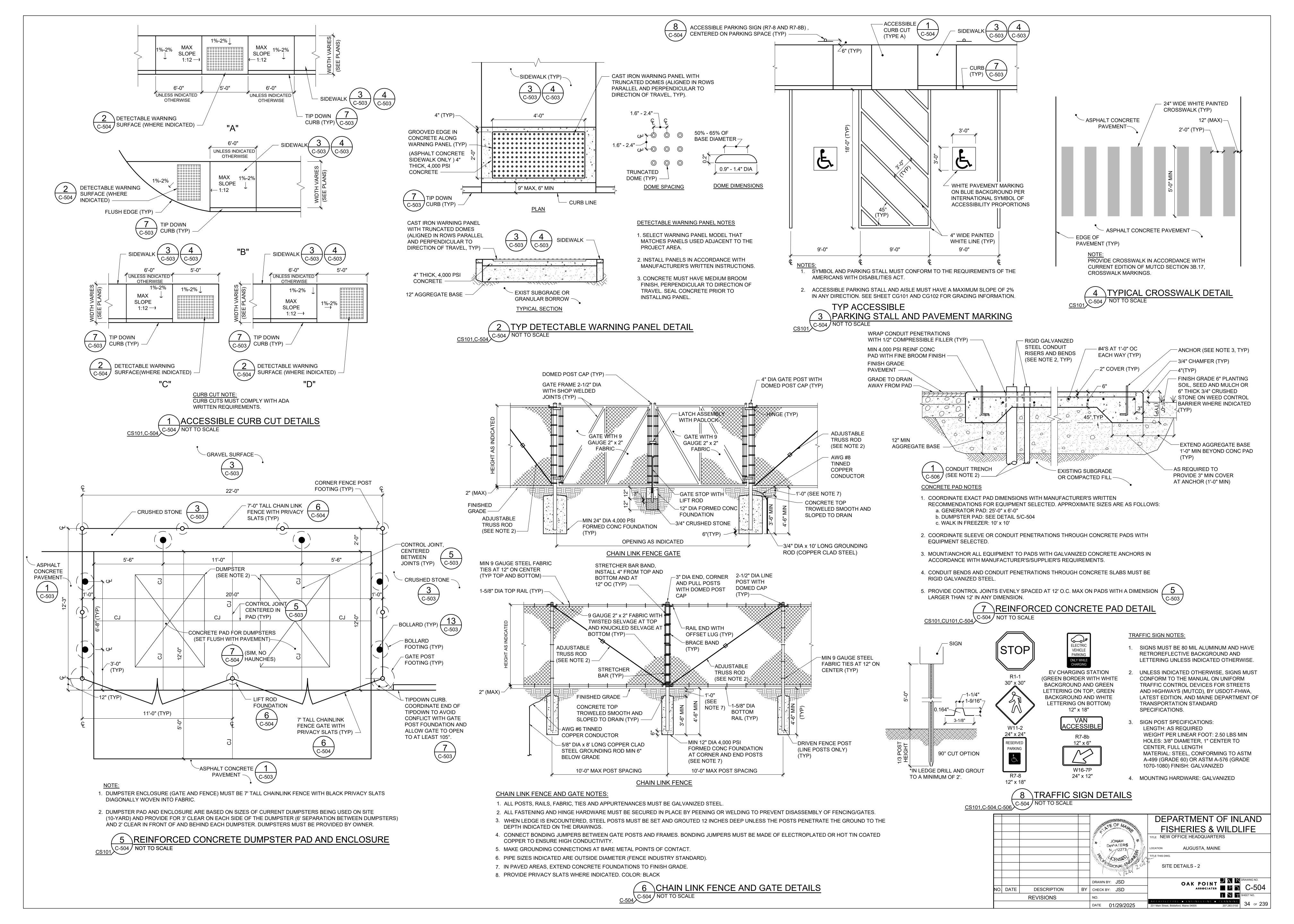


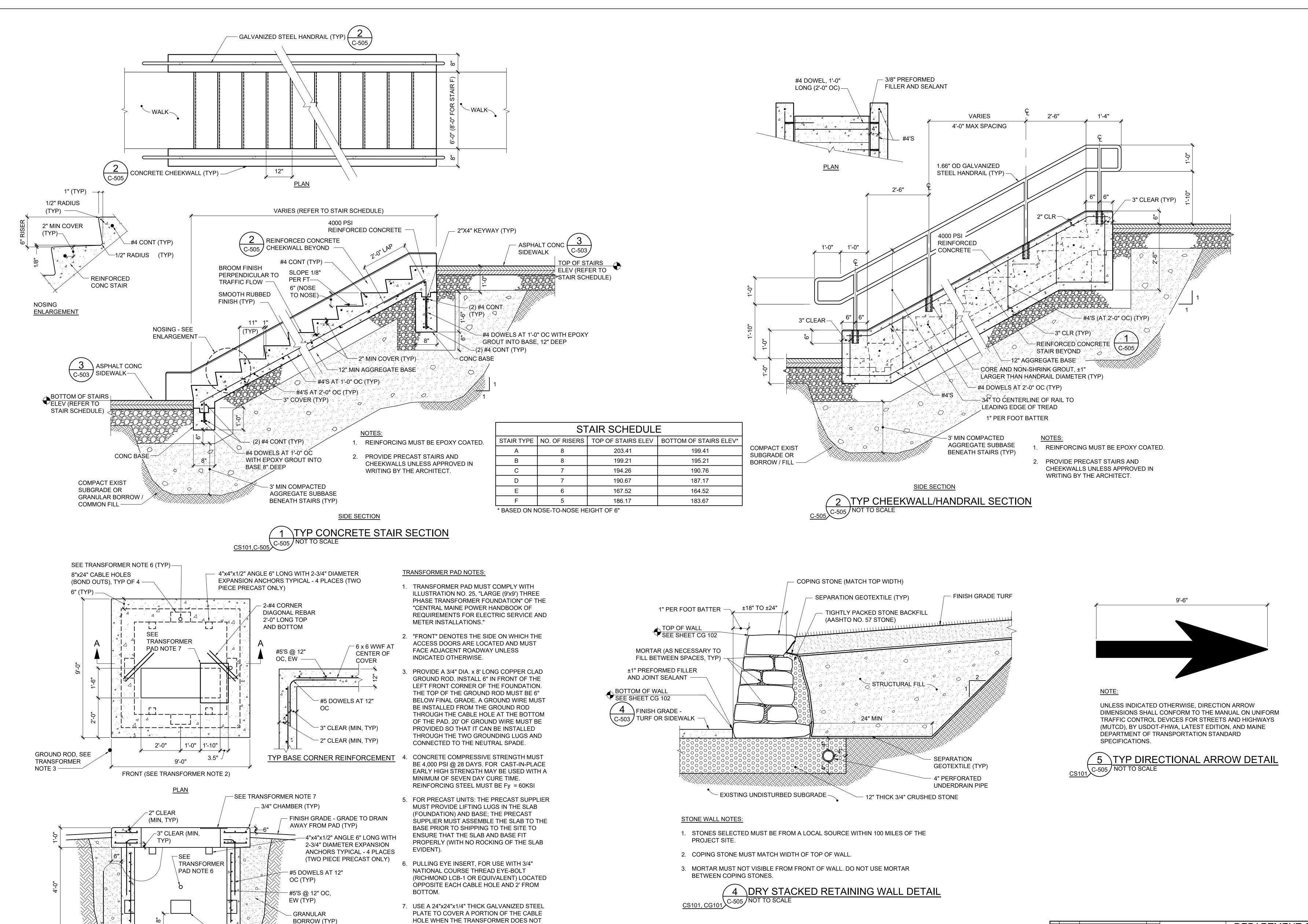
COMPACT EXIST SUBGRADE

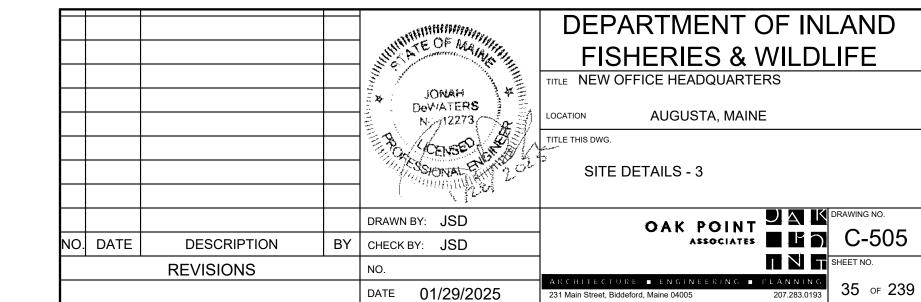
6 TYP STONE DRIP EDGE/MOW STRIP DETAIL CS101,LS101 C-502 NOT TO SCALE











3 TRANSFORMER PAD DETAIL
C-505 NOT TO SCALE

- 3/4" CRUSHED

6" THICK

- CONDUIT KNOCKOUT

(SEE NOTES)

- EXIST SUBGRADE OR

COMPACTED FILL

8'-0" SQUARE

SECTION A-A

GROUND ROD, SEE

TRANSFORMER

NOTE 3 —

STONE BASE, MIN

COMPLETELY COVER IT. CUT THE STEEL

CUT EDGES OF THE PLATE.

NON-SHRINK GROUT.

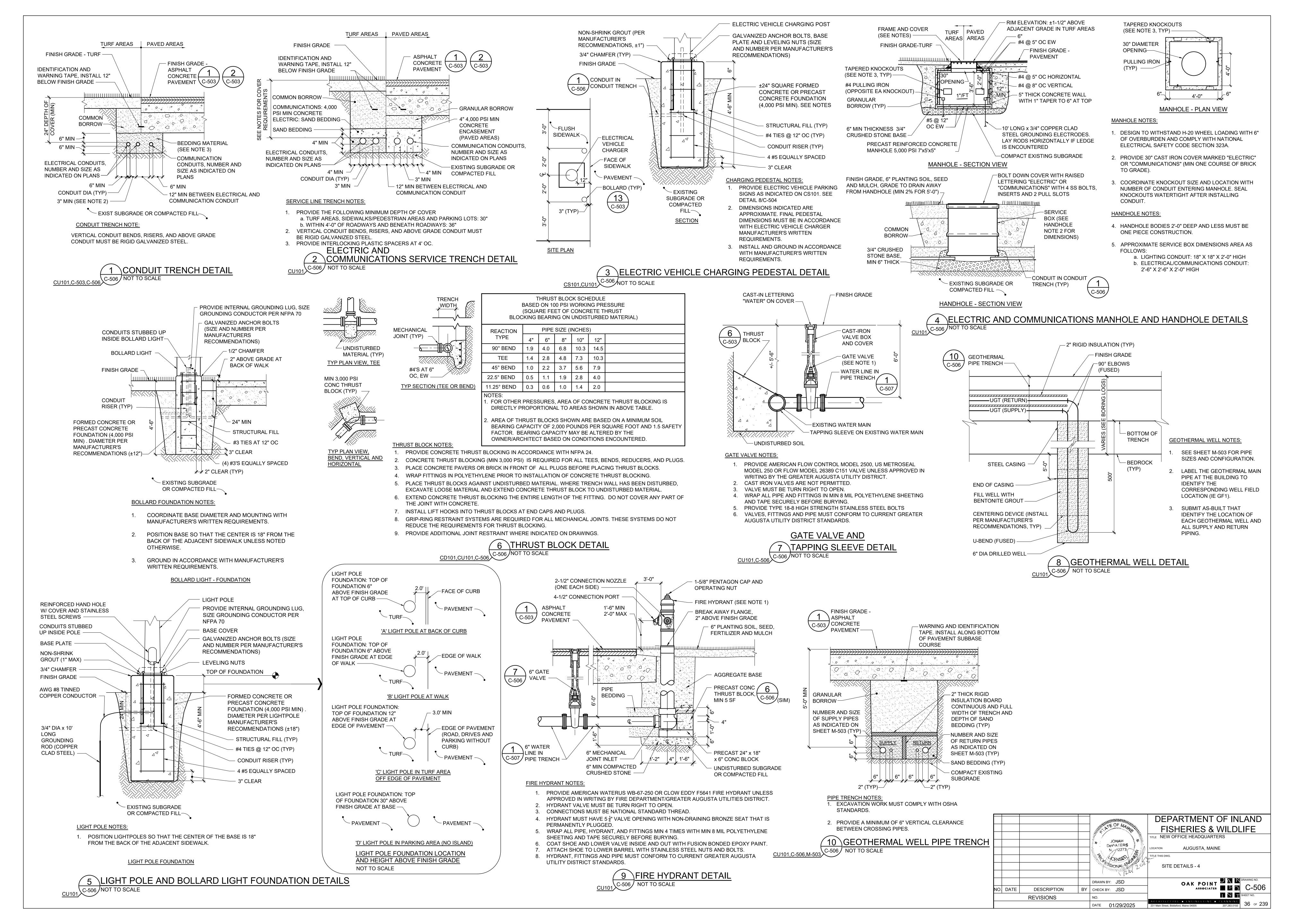
PLATE TO FIT, IF NECESSARY. GALVANIZE ALL

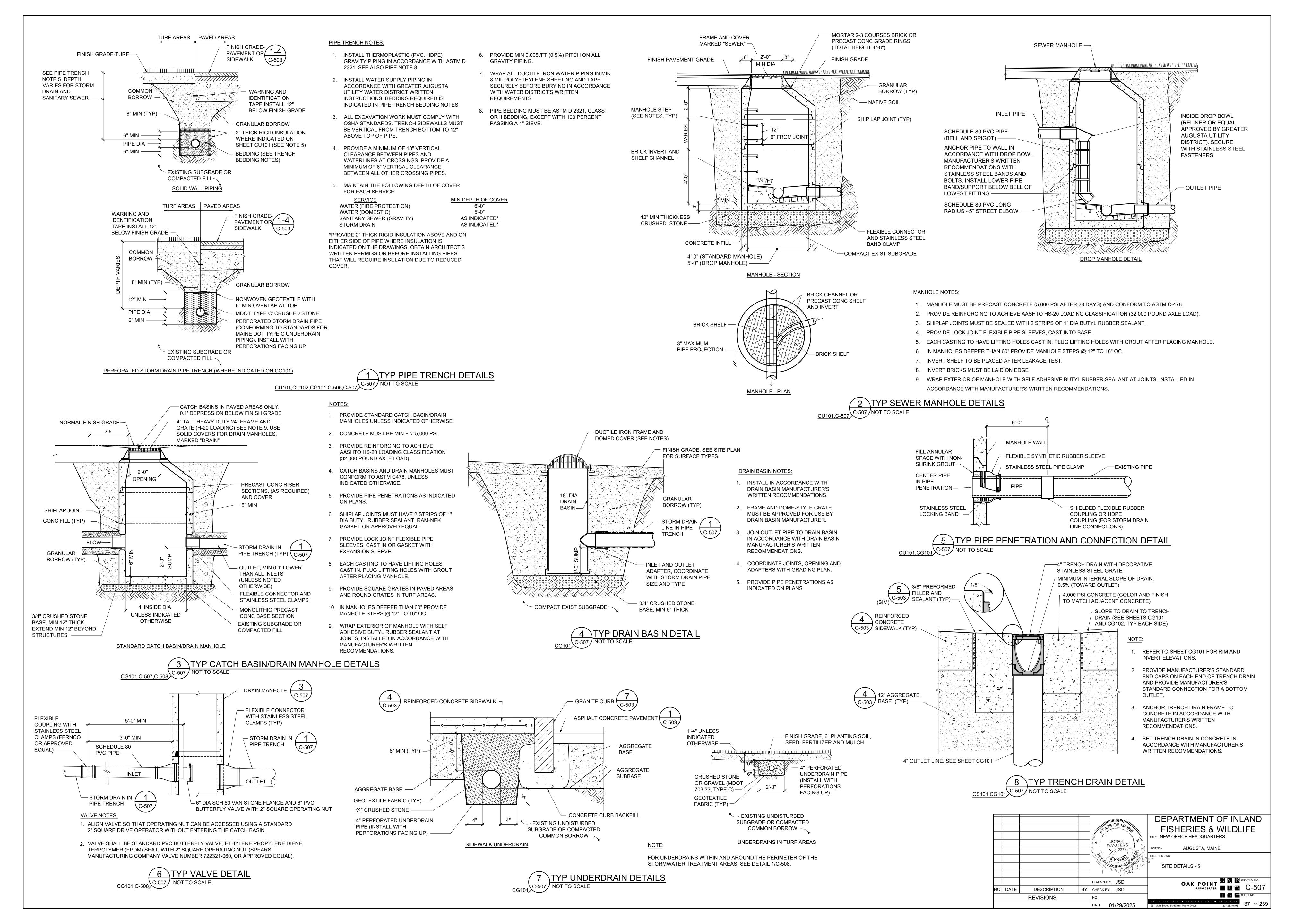
8. COORDINATE OPENING IN TRANSFORMER PAD

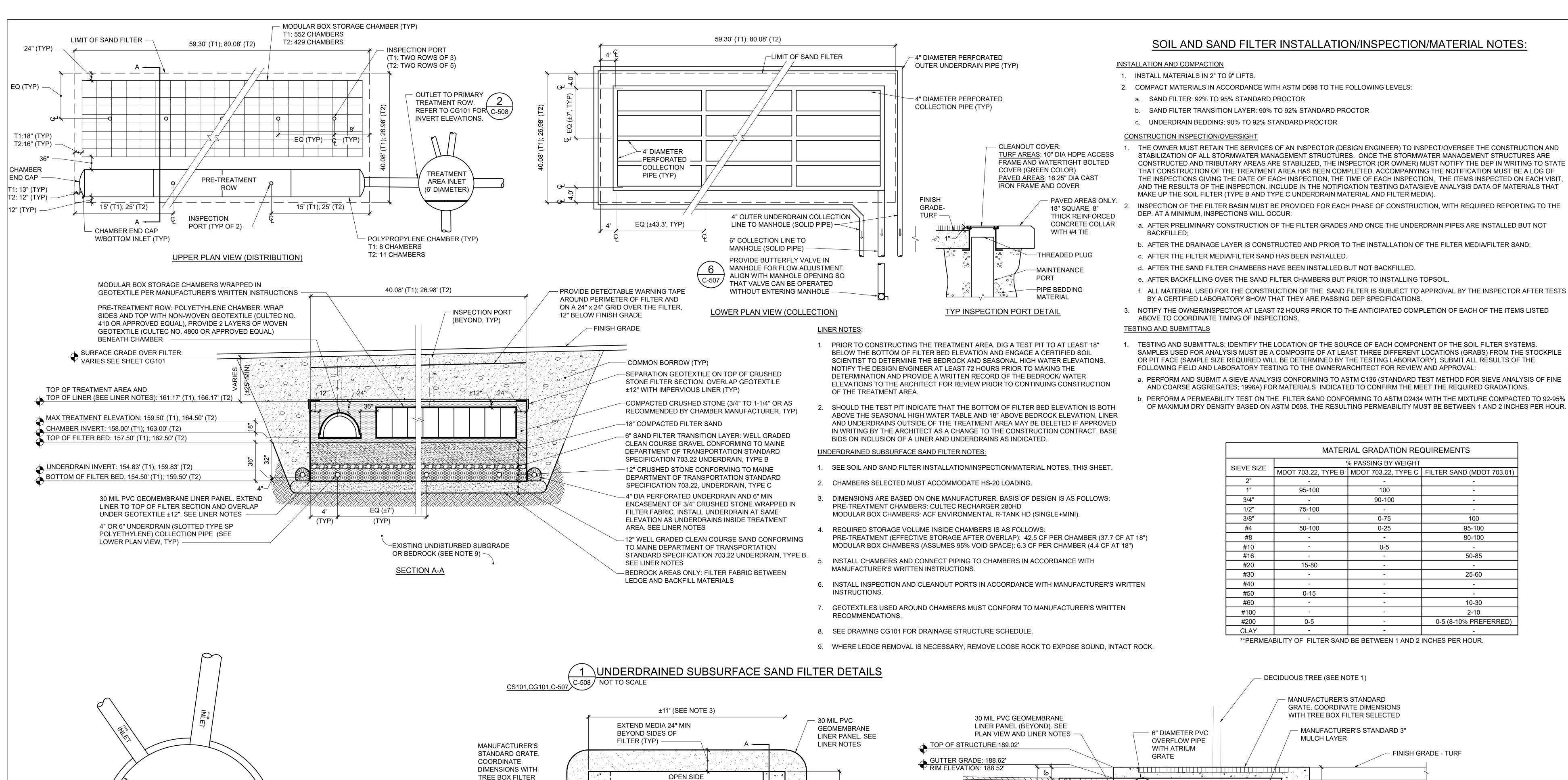
ON SHEET CU101. SEAL ANNULAR SPACE

AROUND CONDUITS WATERTIGHT WITH

WITH CONDUIT SIZE AND NUMBER INDICATED







#### - FINISH GRADE - TURF 44 COMMON BORROW 0 0 0 0 - MANUFACTURER'S STANDARD MEDIA. EXTEND MEDIA 24" MIN BEYOND SIDES OF FILTER (TYP) MANUFACTURER'S STANDARD DRAIN SEPARATION GEOTEXTILE HOLE **GRANULAR BORROW** 1/4" TO 3/4" WASHED ANGULAR STONE. EXTEND STONE 24" MIN BEYOND SIDES AND OUTLET INV: 184.68 12" BEYOND BOTTOM OF FILTER (TYP) 30 MIL PVC GEOMEMBRANE LINER PANEL (BEYOND). SEE LINER NOTES - VERTICAL CURB C-503 4" DIAMETER PERFORATED PVC WYE FITTING AND INCREASER UNDERDRAIN PIPE EXIST SUBGRADE OR COMPACTED FILL

**SECTION A-A** 

REVISIONS

SD(12") TO TREATMENT AREA

MIN 5" THICK OVERFLOW WEIR

T1 TOP ELEV: 160.67'

T2 TOP ELEV: 165.67'

TREATMENT AREA INLET DETAIL

REFER TO SHEET CG101 FOR INLET SIZE, NUMBER, LOCATION AND INVERT ELEVATIONS.

C-507

**MANHOLE** 

4" ORIFICE IN WEIR

T1 INV: 159.50'

T2 INV: 164.50' -

INLET

#### LINER NOTES

MANUFACTURER'S

STANDARD 2' SQUARE CAST IRON FRAME AND GRATE -

SELECTED ·

MANFACTURER'S

ERTICAL CUR

STANDARD MEDIA

1. PRIOR TO CONSTRUCTING THE TREATMENT AREA, DIG A TEST PIT TO AT LEAST 18" BELOW THE BOTTOM OF FILTER BED ELEVATION AND ENGAGE A CERTIFIED SOIL SCIENTIST TO DETERMINE THE BEDROCK AND SEASONAL HIGH WATER ELEVATIONS. NOTIFY THE DESIGN ENGINEER AT LEAST 72 HOURS PRIOR TO MAKING THE DETERMINATION AND PROVIDE A WRITTEN RECORD OF THE BEDROCK/ WATER ELEVATIONS TO THE ARCHITECT FOR REVIEW PRIOR TO CONTINUING CONSTRUCTION OF THE TREATMENT AREA.

**PLAN VIEW** 

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2. SHOULD THE TEST PIT INDICATE THAT THE BOTTOM OF FILTER BED ELEVATION IS BOTH ABOVE THE SEASONAL HIGH WATER TABLE AND 18" ABOVE BEDROCK ELEVATION. THE LINER MAY BE DELETED IF APPROVED IN WRITING BY THE ARCHITECT AS A CHANGE TO THE CONSTRUCTION CONTRACT. BASE BIDS ON INCLUSION OF A LINER AND UNDERDRAINS AS INDICATED.

#### TREE BOX FILTER NOTES:

OUTLET

OVERFLOW PIPE

- 1. COORDINATE TREE/SHRUB SELECTION WITH MANUFACTURER'S RECOMMENDATIONS AND CITY OF AUGUSTA REQUIREMENTS.
- 2. BASIS OF DESIGN PRODUCT: STORMTREE ST 6X10 CB. ALTERNATE TREE BOX FILTERS SELECTED MUST BE APPROVED FOR USE BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE ARCHITECT. PROVIDE WRITTEN DOCUMENTATION OF APPROVAL PRIOR TO INSTALLATION.
- 3. DIMENSIONS INDICATED ARE BASED ON ONE MANUFACTURER. COORDINATE FINAL DIMENSIONS WITH MANUFACTURER'S RECOMMENDATIONS FOR PRODUCT SELECTED.
- 4. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. COORDINATE COMMISSIONING OF UNITS WITH MANUFACTURER AND ARCHITECT.

TREE BOX FILTER DETAILS

#### DEPARTMENT OF INLAND FISHERIES & WILDLIFE LE NEW OFFICE HEADQUARTERS JONAH DeWATERS AUGUSTA, MAINE Ny 122737 CENSED LA TITLE THIS DWG. 1 SONALY SITE DETAILS - 6 OAK POINT DRAWING NO. D. DATE DESCRIPTION BY CHECK BY: JSD

DATE 01/29/2025

100

95-100

80-100

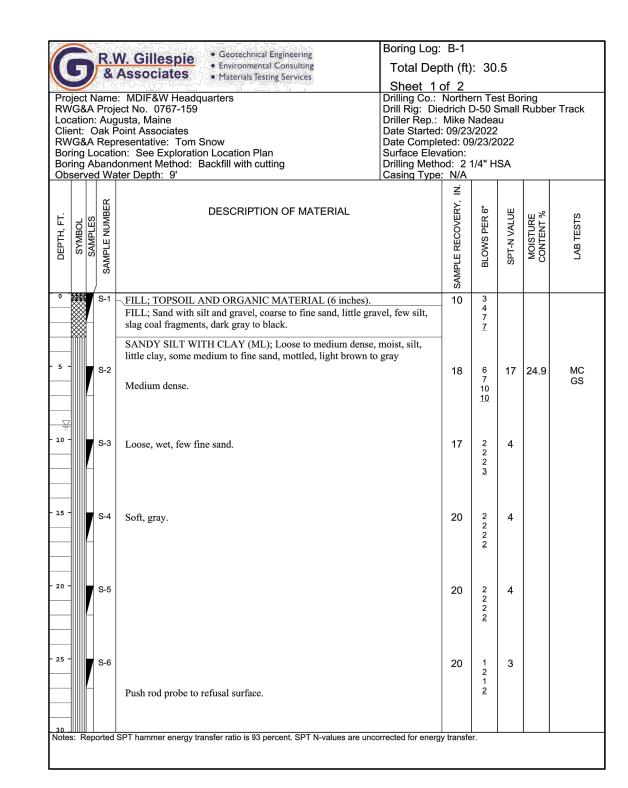
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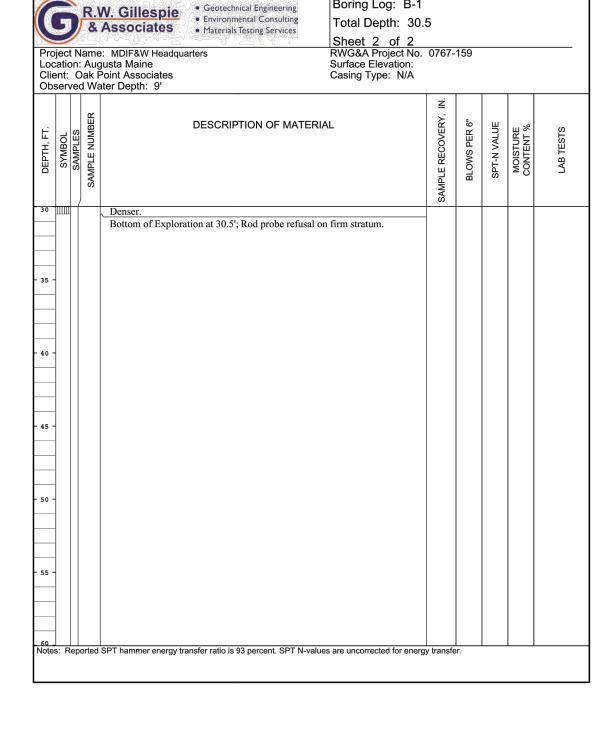
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10-30

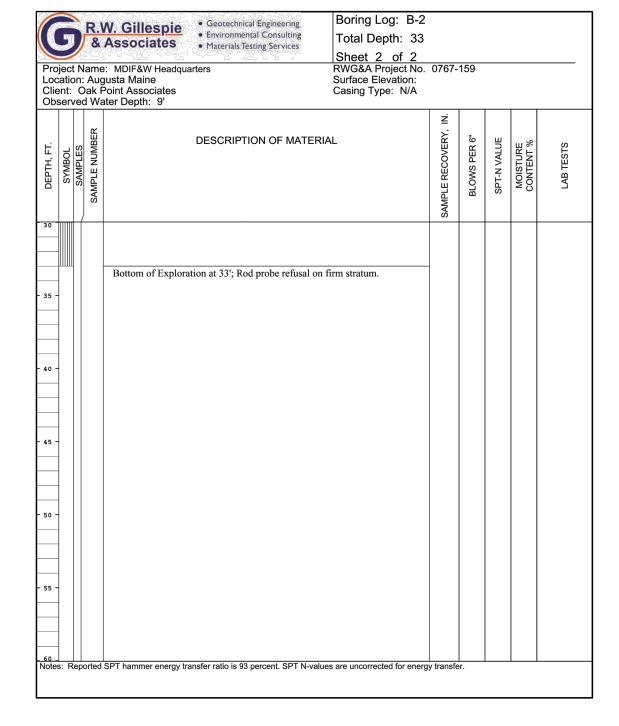
2-10

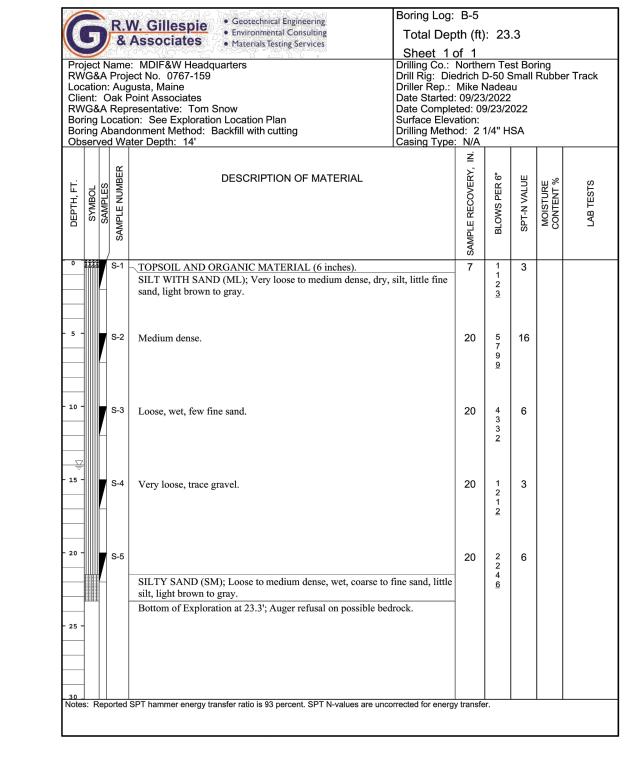
0-5 (8-10% PREFERRED)

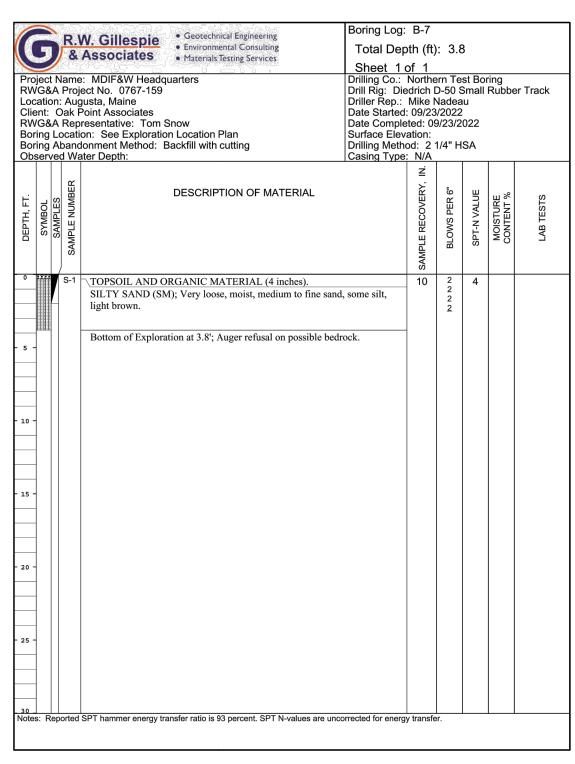




WG lien WG orin orin	ct N i&A tion: t: C i&A g Lc	ame Proje Aug Pak P Reprocation	M. Gillespie Associates  • Environmental Consulting • Materials Testing Services  : MDIF&W Headquarters ect No. 0767-159 usta, Maine Point Associates resentative: Tom Snow on: See Exploration Location Plan onment Method: Backfill with cutting	Boring Log: Total Dep Sheet 1 Drilling Co.: Drill Rig: Die Driller Rep.: Date Started Date Comple Surface Elev Drilling Meth Casing Type	oth (ft) of 2 Northe edrich I Mike N : 09/23 eted: 09 ation: od: 2	ern Te D-50 \$ Nadea //2022 9/23/2	st Bor Small iu ! 022	ring Rubbe	er Track
ORANG	SAMPLES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
		S-1	FILL; Sand with gravel and silt, cobbles and boulders.  SILT WITH SAND (ML); Loose to medium dense, dry, silt, s	ome fine sand	0	3 4 14 <u>15</u>			
-	7	S-2	Sill's With SAND (ML), Loose to medium dense, dry, siit, s light brown.  Medium dense.	ome me sand	18	7 8 11 <u>16</u>	19		
<u>₹</u>	<b>7</b>	S-3	Loose, wet, few fine sand.		20	5 3 2 <u>2</u>	5		
5	7	S-4	CLAYEY SILT (ML); Very loose to loose, wet, silt, some classand, olive.	y, few fine	20	1 2 2 <u>2</u>	4		
) -		S-5	Push probe rod to refusal surface.			1 1 2 1	3		
5 -			Denser.						







N.VV. Gillespie	Geotechnical Engineering	Boring Log:			_		
O A	Environmental Consulting Materials Testing Services	Total Dep	of 1				
roject Name: MDIF&W Headquar WG&A Project No. 0767-159 ocation: Augusta, Maine lient: Oak Point Associates WG&A Representative: Tom Snooring Location: See Exploration Loring Abandonment Method: Bacbserved Water Depth:	w ocation Plan	Drilling Co.: Drill Rig: Die Driller Rep.: Date Started Date Comple Surface Elev Drilling Metho Casing Type	Northedrich Mike I Mike I 09/23 ted: 09 ation:	D-50 S Nadea 3/2022 9/23/2	Small u 022	ring Rubbe	r Track
SYMBOL SAMPLES SAMPLE NUMBER	ESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
	ANIC MATERIAL (4 inches).  ML); Loose, moist, silt, little fine	sand, light brown to	14	1 2 2 2	4		
SANDY SILT WITH little clay, some fine s	CLAY (ML); Loose to medium dand, light brown.	lense, moist, silt,	20	5 7 7 <u>7</u>	14	25.6	MC GS
S-3 Loose.			20	2 3 4 <u>6</u>	7		
Auger action indicates  Bottom of Exploration	denser soil.  at 15.3'; Auger refusal on possib	le bedrock.	2	50/2"			
- - - -							
- - - -							
- - -							
	er ratio is 93 percent. SPT N-values ar	e uncorrected for energ	y transfe	er.			

RWG&A Projec Location: Augu Client: Oak Po RWG&A Repre Boring Locatior	oint Associates esentative: Tom Snow n: See Exploration Location Plan nment Method: Backfill with cutting	Drilling Co.: Drill Rig: Did Driller Rep.: Date Started Date Comple Surface Elev Drilling Meth Casing Type	edrich I Mike N : 09/22 eted: 09 ration: od: 2	D-50 S Nadea :/2022	Small iu	ring Rubbe	r Track
SYMBOL SAMPLES IPLE NUMBER	DESCRIPTION OF MATERIAL			1/4" H			
			SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (5 inches). FILL; Silty sand, coarse to fine sand, few gravel, few slag a fragments, trace white ash like material, light brown to black	nd coal	10	2 3 7 <u>4</u>			
	SILTY CLAY (CL); Stiff, moist, silty clay with few fine sa olive-brown.  Auger action indicates gravel.  Bottom of Exploration at 10'; Auger refusal on possible become a second possible become a s	lrock.	14	2 4 7 5			

			R.V &	V. Gillespie Associates	Geotechnical Engineering     Environmental Consulting     Materials Testing Services		Boring Log: Total Dep Sheet 1 o	oth (ft) of 1	): 7			
RW Loc Clie RW Bor Bor Bor	G8 ationt: G8 ring ring	A I On: O A I Lo Ab	Proje Aug ak P Repr catio	: MDIF&W Headquect No. 0767-159 usta, Maine roint Associates resentative: Tom S on: See Exploratio onment Method: E ter Depth: Not Ob	inow n Location Plan ackfill with cutting		Drilling Co.: Drill Rig: Die Driller Rep.: Date Started: Date Comple Surface Elevi Drilling Metho Casing Type	Northedrich I Mike I 09/22 ted: 09 ation: od: 2	D-50 \$ Nadea 2/2022 9/22/2	Small iu ! 022		er Track
DEPTH, FT.	SYMBOL	SAMPLES	SAMPLE NUMBER		DESCRIPTION OF MATE	RIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
0	2333		S-1		ND ORGANIC MATERIAL ne sand, some silt, trace grave	`	es, light brown.	12	6 3 5 2			
10 -	Management of the Control of the Con		S-2 ]	to fine sand, little g	FAND GRAVEL (SP-SM); Mravel, few silt, brown to gray.ion at 7'; Auger refusal on pos			8	4 8 8 8	16		
30 lote:	s: R	ерс	orted	SPT hammer energy tra	nsfer ratio is 93 percent. SPT N-va	alues are unco	orrected for energ	y transfe	er.			

			M. Gill Sais Geotechnical Engineering	Boring Log:	B-13	3						D 1/	N Cilloania • Geotechnical Engineering	Boring Log:	B-14	1			
		K.     &	W. Gillespie Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services	Total Dep	• •	): 17	.4				9	& .v	N. Gillespie Associates  Geotechnical Engineering Environmental Consulting Materials Testing Services	Total Dept	. ,	): 5.6	6		
RWC Loca Clier RWC Borir Borir	3&A ation nt: ( 3&A ng L ng A	Pro Au Dak Rep ocat	e: MDIF&W Headquarters ject No. 0767-159 gusta, Maine Point Associates presentative: Tom Snow ion: See Exploration Location Plan donment Method: Backfill with cutting ater Depth:	Drilling Co.: Drill Rig: Die Driller Rep.: Date Started Date Comple Surface Elev Drilling Metho Casing Type	Northedrich Mike 1: 09/23 eted: 0: ation: od: 2 : N/A	D-50 S Nadea 3/2022 9/23/2	Small u 022		r Track	RW Loc Clie RW Bor Bor	G&A Pation: Ant: Oa Ont: Oa G&A Ring Loc Sing Aba	Proje Aug ak P Repr catio	: MDIF&W Headquarters ect No. 0767-159 justa, Maine Point Associates resentative: Tom Snow on: See Exploration Location Plan onment Method: Backfill with cutting tter Depth: Not Obs.	Drilling Co.: Norill Rig: Died Driller Rep.: I Date Started: Date Complet Surface Eleva Drilling Metho Casing Type:	Northedrich [Mike Now 19/23] ed: 09/23 ed: 09/23 ed: 20/24	D-50 S Nadea 3/2022 9/23/2	Small iu 022	ring Rubbe	er Track
DEPTH, FT.	SYMBOL SAMDI ES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	ОЕРТН, FT.	SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
0		S-1	ASPHALTIC PAVEMENT (2 inches).	a - 11 - 12 - 1	10	6 12 7				0	s	S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (5 inches).		12	3	15		
			FILL; Sand with silt and gravel, moist, coarse to fine sand, lit some gravel, brown.			7 <u>6</u>							\FILL; Sand, coarse to fine sand, moist, gray. SILTY SAND WITH GRAVEL (SM); Medium dense, mois	, coarse to fine		9 <u>11</u>			
			CLAYEY SILT WITH SAND (ML); Loose, moist, silt, little sand, gray, few orange-brown oxidation seams.	clay, little fine									sand, little silt, little gravel, light brown. Cobble.						
- 5 -		S-2	sama, gray, ren samage ere na emanten seame.		20	3	8			- 5 -	<b>y</b> s	S-2	Cobble.		5	50/5"			
$\vdash$		0-2			20	4 4	0						Bottom of Exploration at 5.6'; Auger refusal on possible bed	ock.	5	00/0			
						7													
- 10 -		S-3			20	2	4			- 10 -									
						2 2													
						2													
- 15 -		S-4			20	2	23			- 15 -									
			SILTY SAND WITHG RAVEL (SM); Medium dense to den	se, coarse to		2 21													
			fine sand, little silt, little gravel, light brown to gray.  Bottom of Exploration at 17.4'; Auger refusal on possible bed	lrock.		<u>19</u>					.								
- 20 -										- 20 -									
- 25 -										- 25 -									
30										_ 30 _									
Notes:	Re	oortec	l SPT hammer energy transfer ratio is 93 percent. SPT N-values are unco	orrected for energ	y transfe	er.				Notes	s: Repor	rted S	SPT hammer energy transfer ratio is 93 percent. SPT N-values are unc	orrected for energy	transfe	er.			

DESCRIPTION OF MATERIAL    Solid black   Sol	RWG Local Clien RWG Borin Borin	ect N 6&A tion: t: C 6&A ig Lo	lame: Project Augu Oak Po Repres Ocation	W. Gillespie Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services  Prop. Maine Dept. of Inland Fisheries & Wildlife HQ cit No. 0767-166-23 usta, Maine bint Associates esentative: Tom Snow n: See Exploration Location Plan mment Method: Backfill with cuttings er Depth: 15'  Geotechnical Engineering Environmental Engineering  Boring L  Total E  Sheet  Drilling C: Drilling M: Casing T:	Depth (f 1 of 1 Depth (f Diedrich p.: Mike ted: 12/0 pleted: clevation ethod: 2 pe:	t): nern D-5 Nac 6/23 12/0	Te: 50 dea 3 6/2	st Bori u 3	ing		
S-2  FILL; Topsoli and organic material (6 inches).  FILL: Silty sand, moist, coarse to fine sand, some silt, light gray.  17 2 4  SILTY SAND (SM); Silty sand, loose to very loose, moist, coarse to fine sand, some silt, light gray.  18 3 4  S-3  S-4  S-4  S-5  SILTY SAND WITH GRAVEL (SM); Medium dense, wet, coarse to fine sand, some silt, little gravel, light brown to gray.  Bottom of exploration at 17.5'; Auger refusal on possible bedrock.		SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL			BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
S-3  SILTY SAND (SM); Silty sand, loose to very loose, moist, coarse to fine sand, some silt, light gray.  18  2 2 2 2 2 10  S-4  S-5  SILTY SAND WITH GRAVEL (SM); Medium dense, wet, coarse to fine sand, some silt, little gravel, light brown to gray.  Bottom of exploration at 17.5'; Auger refusal on possible bedrock.	•						3				
S-5 SILTY SAND WITH GRAVEL (SM); Medium dense, wet, coarse to fine sand, some silt, little gravel, light brown to gray.  Bottom of exploration at 17.5'; Auger refusal on possible bedrock.	5 -	*/ 7			ie	3	2 3 2 2 2				
sand, some silt, little gravel, light brown to gray.  Bottom of exploration at 17.5'; Auger refusal on possible bedrock.	10 -	7	S-4		17		1	2			
	20 -	7	S-5	sand, some silt, little gravel, light brown to gray.	ne 12		7 8	15			

oc lie W Sori	G&A ation nt: ( G&A ing L ng A	Name Proje Pak Poak Poak Pocation	Secretarial Engineering     Secretarial Consulting     Materials Testing Services     Prop. Maine Dept. of Inland Fisheries & Wildlife HQ     Drect No. 0767-166-23     usta, Maine     Onint Associates     Dresentative: Tom Snow     Dresentative: Tom Snow     See Exploration Location Plan     Dresentative Backfill with cuttings	oring Log: Fotal Deptil Sheet 1 of illing Co.: N ill Rig. Died liller Rep.: N ate Started: te Complete urface Elevat illing Method ssing Type:	h (ft) f 1 lorthe rich E flike N 12/06 ed: 12 tion:	rn Te 0-50 ladea /23 2/06/2	st Bori au	ng		
חושם.	SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
		S-1	FILL; Topsoil and organic material (6 inches). FILL; Silty sand with gravel, dry, coarse to fine sand, some silt, gray-brown.	few gravel,	18	2 2 3 <u>5</u>	5			0
		S-2 S-3	FILL; Sand with silt and gravel, dry, coarse to fine sand, few sigravel, coal and slag fragments, black.  SANDY SILT (ML); Loose, moist, silt, some sand, trace to few brown.		15 16	1 1 1 1 3	2			0
) -		S-4			0	2 2 2 2 2 3 4	5			0
- - - -		S-5	SILTY CLAY (ML-CL); Silty clay, medium, wet, few medium silt, gray.	to fine sand,	20	4 4 4 <u>4</u>	8			0
) -	7	S-6			17	1 1 2	3			0
5 -			Advanced rod probe.			1				
			Possible gravel.  Bottom of exploration at 26.1'; Rod probe refusal on possible be	edrock.						
tes	s: Rei	oorted S	SPT hammer energy transfer ratio is about 93 percent. SPT N-values are ur	corrected for e	nergy t	ransfer	 r.			

RW Loc Clie RW Bor Bori	G&A ation ent: G&A ing L ing A	A Proje n: Augu Oak Po A Repro Locatio Ibando	ct No. 0767-166-23         Di          usta, Maine         Di          oint Associates         De          esentative: Tom Snow         De          or. See Exploration Location Plan         St          or. Method: Backfill with cuttings         Di	rilling Co.: No rill Rig: Diedr riller Rep.: Mi ate Started: 1: ate Complete urface Elevati rilling Method: asing Type: 4	ich D ike N 2/06/ d: 12 on: : Ro !" Dia	0-50 ladea /23 t/06/2	iu 3 Wash			
DEPIH, FI.	SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
5 -		S-1 S-2 S-3	FILL; Silty sand with gravel, dry, coarse to fine sand, some silt gray-brown.  Refer to boring log B-102.	i, few gravel,						
.0 -										
20 -		U-1	SILTY CLAY (ML-CL); Silty clay, medium, wet, few medium silt, gray.  Bottom of exploration at 21.0; Not refusal.	n to fine sand,	24				GS HYD ATT CON LV	
25 -										

RWG&A Location Client: RWG&A Boring L Boring A	N Proje n: Augu Oak Po N Repro Nocatio Nocatio	ct No. 0767-166-23 usta, Maine point Associates esentative: Tom Snow n: See Exploration Location Plan nment Method: Backfill with cuttings	Drilling Co.: N Drill Rig: Died Driller Rep.: M Date Started: ' Date Complete Surface Elevat Drilling Method Casing Type:	rich E /like N 12/06, ed: 12 tion: d: 2 1	)-50 ladea /23 2/06/2	iu 3	T	
DEPTH, FT. SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
0	S-1 S-2	FILL; Topsoil and organic material (6 inches).  FILL; Silty sand, moist, coarse to fine sand, trace to few grav brown to light brown.	rel, some silt,	13 14	2 9 5 4 3 2	14 6		
- 10 - - 15 - - 20 -	S-3	SILTY SAND (SM); Loose, moist, fine sand, some silt, trace brown.  Denser, little to some gravel.  Bottom of exploration at 9.6'; Auger refusal on possible bedre	ock.	14	4 4 4 4 4 5 4	9		

RW Loc Clie RW Bor Bor	G&A cation ent: ( G&A ring L ring A	Projection	ct No. 0767-166-23         Drill F           usta, Maine         Drille           bint Associates         Date           esentative: Tom Snow         Date           n: See Exploration Location Plan         Surfa           nment Method: Backfill with cuttings         Drillir	ng Co.: N Rig: Died or Rep.: M Started: 1 Complete oce Elevat og Methoo ong Type:	rich [ like N l2/06/ ed: 12 ion: l: Ro	0-50 ladea /23 !/06/2 tary \	iu 3 Vash		
DEPTH, FT.	SYMBOL SAMPI ES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS
0		S-1 S-2	FILL; Topsoil and organic material (6 inches).  FILL; Silty sand with gravel, moist, coarse to fine sand, few to littl little gravel, trace reclaim asphalt, brown.	le silt,	12 12	1 3 5 7 4 3	8		
- 5 -	7	S-3A S-3B	SILTY SAND (SM); Loose to medium dense, moist, fine sand, sor trace root fibers at top of deposit.	me silt,	17	5 <u>2</u> 2 3 5 <u>5</u>	8		
- 10 -		R-1	SCHIST; Hard, fresh to slightly weathered, fine grained; medium to bedded, slightly fractured, high angle to vertical joints, slightly we open to tight, smooth to slightly rough, RQD = 70% Unconfined compressive strength = 15,200 psi		54				UC
- 15 -			Bottom of exploration at 14.9'.						
- 25 -									
30						ransfer			

R.W. Gillespie

& Associates

Geotechnical Engineering
Environmental Consulting
Materials Testing Services

Project Name: MDIF&W Headquarters RWG&A Project No. 0767-159 Location: Augusta, Maine Client: Oak Point Associates

RWG&A Representative: Tom Snow

S-2 Medium dense.

Observed Water Depth:

Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cutting

DESCRIPTION OF MATERIAL

SILT WITH SAND (ML); Very loose to medium dense, moist, silt, some

Bottom of Exploration at 7.3'; Auger refusal on possible bedrock.

Notes: Reported SPT hammer energy transfer ratio is 93 percent. SPT N-values are uncorrected for energy transfer.

TOPSOIL AND ORGANIC MATERIAL (4 inches).

medium to fine sand, trace gravel, light brown.

Total Depth (ft): 7.3

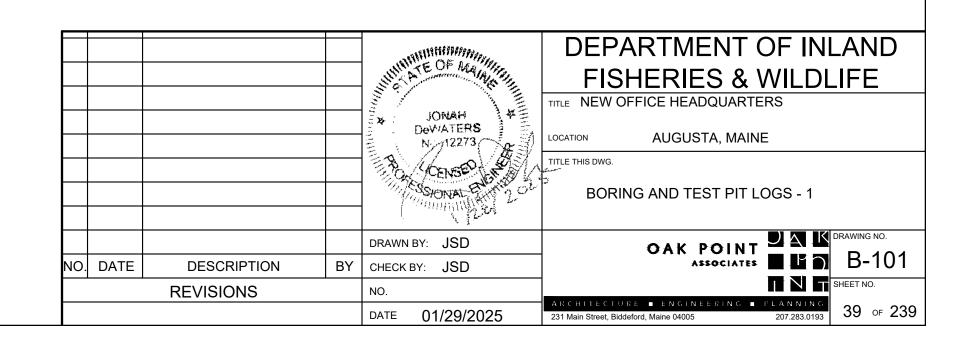
Date Completed: 09/23/2022 Surface Elevation: Drilling Method: 2 1/4" HSA

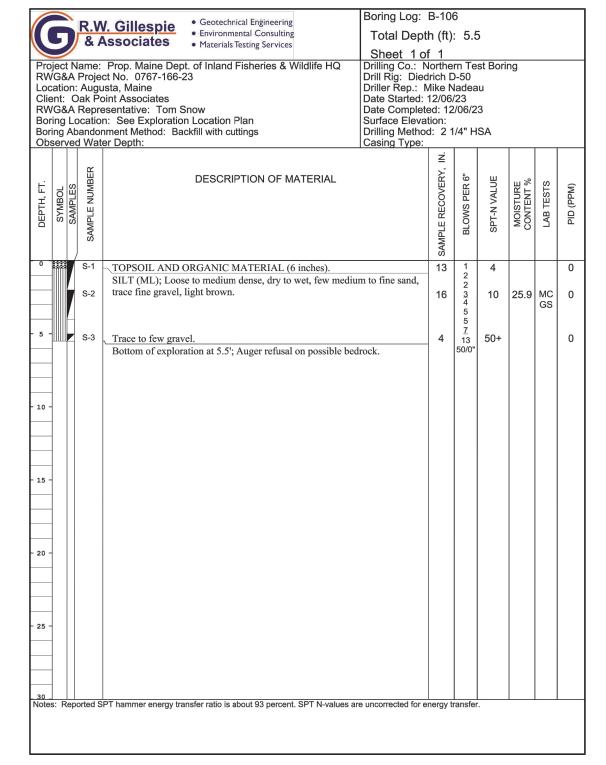
Casing Type: N/A

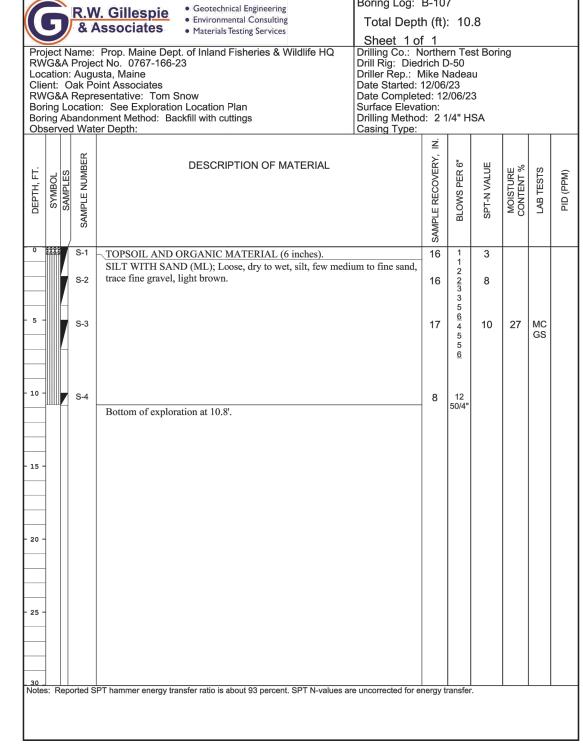
Sheet 1 of 1

Drilling Co.: Northern Test Boring
Drill Rig: Diedrich D-50 Small Rubber Track
Driller Rep.: Mike Nadeau
Date Started: 09/23/2022

		Geotechnical Engineering     Environmental Consulting     Materials Testing Services	Boring Log: Total Dept Sheet 1 o	h (ft) f 1	: 17				
RWG&A Location: Client: C RWG&A Boring Lo Boring Ab	Project Augu Oak Po Represocation Oandor	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ tt No. 0767-166-23 sta, Maine int Associates sentative: Tom Snow See Exploration Location Planument Method: Backfill with cuttings or Depth: 15'	Drilling Co.: Norill Rig: Dieconiller Rep.: North Date Started: Date Complet Surface Eleva Drilling Methol Casing Type:	drich E Mike N 12/06, ed: 12 tion:	0-50 ladea /23 2/06/2	u 3	ing		
SYMBOL SAMPLES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(אממי מומ
° 😹 📗	S-1	FILL; Topsoil and organic material (6 inches). FILL; Sandy silt, wet, silt, some coarse to fine sand, few fi	ne gravel, few	15	1 2	4			
	S-2	coal and brick fragments, gray.	8	14	2 3 2	7	19.4	MC GS	
	S-3			19	3 4 3 3 3	5			
10 -	S-4	SILTY SAND (SM); Loose, moist, coarse to fine sand, sort Light brown to gray.	ne siit, light gray.	18	2 2 3 2	5			
15 7	S-5	More silt, few clay.		16	3	6			
		Few gravel, no clay.			2 4 <u>5</u>				
		Bottom of exploration at 17.7'; Refusal on bedrock.		_	ŭ				
20 -									







Project N RWG&A Location: Client: C RWG&A Boring Lo Boring Ab	lame: Project Augu Dak Po Repres Docation	V. Gillespie Associates  Prop. Maine Depct No. 0767-166-2 stat, Maine bint Associates esentative: Tom S n: See Exploration ment Method: Bar er Depth:	now n Location Plan	Boring Log Total De Sheet 1 HQ Drilling Co.: Drill Rig: D Driller Rep. Date Starte Date Comp Surface Ele Drilling Met Casing Typ	of 1 Norther identified 12/06 leted: 12/vation: nod: 2	ern Te D-50 Nadea /23 2/06/2	st Bori au	ng		
SYMBOL SAMPLES	SAMPLE NUMBER		DESCRIPTION OF MATER	IAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
10 -	S-1 S-2	Becomes medium  Bottom of explore	DRGANIC MATERIAL (8 inche M); Very loose, moist, fine sand, dense, little gravel.  ation at 4.9'; Auger refusal on pos	some silt, light brown.	14 18	1 1 1 2 4 6 6 10 16	2 16			

RWG&A Proj Location: Aug Client: Oak F RWG&A Rep Boring Locati	Point Associates resentative: Tom Snow on: See Exploration Location Plan onment Method: Backfill with cuttings	Sheet 1 of Drilling Co.: N Drill Rig: Died Driller Rep.: N Date Started: Date Complete Surface Eleval Drilling Method Casing Type:	orthe rich E like N 12/06, ed: 12 ion: l: 2 1	)-50 ladea /23 !/06/2	iu 3	ng		
DEPTH, FT.  SYMBOL  SAMPLES  SAMPLES	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mad) ald
S-1	TOPSOIL AND ORGANIC MATERIAL (8 inches).  SILTY SAND WITH GRAVEL (SM); Medium dense, m sand, little to some silt, light brown to brown.  Bottom of exploration at 3.7'; Auger refusal on possible b	edrock.	16	2 3 8 8	11			

RW Loc Clie RW Bor Bor	G& atic ent: G& ing ing	Na A F On: Oa A F Lo	ame: Projed Augu ak Po Repre cation	Associates  • Environmental Consulting • Materials Testing Services  Prop. Maine Dept. of Inland Fisheries & Wildlife HQ bri No. 0767-166-23 stat, Maine brint Associates seentative: Tom Snow n: See Exploration Location Plan ment Method: Backfill with cuttings	oring Log: Fotal Deptl Sheet 1 of illing Co.: N ill Rig: Died ilte Started: tte Complete rface Elevat illing Method ssing Type:	h (ft): f 1 lorthe lrich D like N 12/06/ ed: 12 tion: d: 2 1	rn Te 0-50 ladea /23 /06/2	st Bori u 3	ng		
DEPTH, FT.	SYMBOL	SAMPLES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	
0			S-1 S-2 S-3	FILL; Topsoil and organic material (4 inches). FILL; Sand with silt and gravel, dry, coarse to fine sand, few silt	t, brown.	15	5 7 8 8 5 7 6	15 13 6			
- 10 -				Bottom of exploration at 6.9'; Auger refusal on possible bedrock	с.		7. 1 2 4 5.				

RWG Locat Client RWG Boring Boring	ct N &A ion: t: O &A g Lo	ame: Project Augut ak Po Repres cation	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ of No. 0767-166-23 stat, Maine Dint Associates  Prop. Maine Dept. of Inland Fisheries & Wildlife HQ of No. 0767-166-23 stat, Maine Dint Associates sesentative: Tom Snow on: See Exploration Location Plan siment Method: Backfill with cuttings	Boring Log: Total Dept Sheet 1 of Drilling Co.: N Drill Rig: Died Driller Rep.: N Date Started: Date Complete Surface Eleval Drilling Method Casing Type:	h (ft) f 1 lorthe lrich E flike N 12/06, ed: 12 tion: d: 2 1	rn Te 0-50 ladea /23	st Bori u 3	ng		
SYMBOI	SAMPLES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mdd) Old
0		S-1	TOPSOIL AND ORGANIC MATERIAL (6 inches). SILTY SAND (SM); Medium dense, dry, coarse to fine sand, silt, little gravel, light brown.	, little to some	15	2 3 8	11			
		S-2	sht, ittle graver, light brown.		0	19 12 12 11	23			
5 -	7	S-3			5	6 3 7	22	24.2	мс	
20 -										

G	R.V	V. Gillespie Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services	Boring Log: Total Dept	h (ft)		3			
RWG&A .ocation Client: ( RWG&A Boring L Boring A	Proje E Aug Oak P Repr Ocation bando	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ act No. 0767-166-23 usta, Maine oint Associates esentative: Tom Snow oin: See Exploration Location Plan nment Method: Backfill with cuttings ter Depth:	Sheet 1 or Drilling Co.: N Drill Rig: Died Driller Rep.: M Date Started: Date Complete Surface Eleval Drilling Method Casing Type:	Iorthe Irich I Iike N 12/06 ed: 12 tion:	0-50 Nadea /23 2/06/2	u 3	ng		
SYMBOL	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
	S-1	FILL; Topsoil and organic material (6 inches).  FILL; Silty sand.  SILTY SAND WITH GRAVEL (SM); Loose to medium de to fine sand, little to some silt, few to little gravel, light brow		12	1 3 12 50/5"	15			
7	S-2	Trace gravel.		16	5 7 9 <u>8</u>	16	22.1	МС	
5 -		Bottom of exploration at 8.6'; Auger refusal on possible bed	rock.						

C	J	& <i>A</i>	I. Gillespie Associates	<ul> <li>Geotechnical Engineering</li> <li>Environmental Consulting</li> <li>Materials Testing Services</li> </ul>	Boring Log: Total Dep Sheet 1	oth (ft) of 1	: 4.8				
RWG& Locationt: Client: RWG& Boring Boring	A F On: O: A F Lo Ab:	Project Augu ak Po Repre cation andor	Prop. Maine Dept tt No. 0767-166-2 sta, Maine bint Associates seentative: Tom S n: See Exploration ment Method: Bader Depth:	now n Location Plan	Drilling Co.: Drill Rig: Die Driller Rep.: Date Started Date Comple Surface Elev Drilling Meth Casing Type	edrich [ Mike N : 12/06 eted: 12 ation: od: 2	0-50 Nadea /23 2/06/2	u 3	ng		
DEPTH, FT. SYMBOL	SAMPLES	SAMPLE NUMBER		DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mdd) (IId
10 -		S-1	FILL; Silty sand a gravel, possible co	d organic material (6 inches).  Ind gravel, dry, coarse to fine sand, so  obbles or boulders, light brown.  In tion at 4.8'; Auger refusal on possible		12	1 3 12 50/5"	15			

		2	V. Gillespie Associates	Geotechnical Engineering     Environmental Consulting     Materials Testing Services	Boring Log: Total Dep Sheet 1 c Drilling Co.:	th (ft) of 1	: 13		na Co	atro of	toro
RWC Loca Clier RWC Borir Borin	3&A ation nt: ( 3&A ng L ng A	Proje: Augu Dak Po Repro ocatio	ct No. 0767-166-2 usta, Maine oint Associates esentative: Tom S n: See Exploration	now	Drilling Co Drill Rig: Mo Driller Rep.: Date Started: Date Comple Surface Eleva Drilling Metho Casing Type:	bile Dr Tom S 05/23 ted: 05 ation: 7 od: SS	ill B-5 Schafe /24 5/23/2 169.3	3 er 4 Feet			lors
	SYMBOL	SAMPLE NUMBER		DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mdd) (IId
0		S-1	FILL; Sand with gravel, few coal,	ravel, dry, coarse to fine sand, few silt silt and gravel, dry, coarse to fine sand		14	7 5 6 <u>3</u>				
5 -		S-2	CLAYEY SILT ( to little clay, olive	ML-CL); Medium, moist to wet, trace	fine sand, silt, few	20	2 3 3 4	6			
ı Ø	7	S-3	Weathered bedroo	ck, relic rock structure.		14	15 43 50/5"	93+			
20 -			Bottom of explore	ation at 13.7'; Auger refusal on bedroc	k.						
30 lotes:	N-V	′alues a	re uncorrected for ener	gy transfer ratio.							

G R.V	V. Gillespie Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services	Boring Log: B		1.7				G	R.V	V. Gillespie Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services  Boring Log  Total Dep			3.5			
Project Name: RWG&A Proje Location: Augu Client: Oak Po RWG&A Repro Boring Locatio Boring Abando	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ ct No. 0767-166-23	Sheet 1 of Drilling Co.: Ne Drill Rig: Mobile Driller Rep.: To Date Started: 05 Date Completed Surface Elevatic Drilling Method: Casing Type:	w Engla Drill B m Scha /23/24 : 05/23 m: 169.	-53 ifer /24 1 Feet			tors	RWG& Locatio Client: RWG& Boring Boring	Name: A Proje on: Aug Oak P A Repr Locatic Abando	Sheet 1  Prop. Maine Dept. of Inland Fisheries & Wildlife HQ Lect No. 0767-166-23 Lusta, Maine Loint Associates Lessentative: Tom Snow Lord Sheet Shee	New Endile Dobile Dobine Dobile Dobile Dobile Dobile Dobile Dobile Dobile Dobile Dobine Dobile Dobine Dobile Dobile Dobile Dobile Dobile Dobile Dobile Dobile Dobine Dobile Dobin	Orill B-5 Schaf 3/24 05/23/2 169.0 SSA to	53 er 24 Feet 10', Ro			
SAMPLES SAMPLES	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN. BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)	DEPTH, FT.	ËER	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.		SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	Wide dia
S-1 S-2 S-3	ASPHALT (4.5 inches).  FILL; Sand and gravel, dry, coarse to fine sand, few silt, lif FILL; Sand with silt and gravel, dry, coarse to fine sand, fegravel, few coal, slag, black.  FILL; Sand and gravel, dry, coarse to fine sand, few silt, lift CLAYEY SILT (ML-CL); Very soft to medium, moist to v silt, few to little clay, olive.  Pocket Penetrometer: Undrained Shear Strength: Su = 2.5 to silt.	tle gravel, tan. w silt, little tle gravel, tan. vet, trace sand,	24 4 6 4 2 2 2 4 WC		24.9	GS MC		- 5 -	S-1 S-2 S-3 S-4	ASPHALT (2 inches).  Auger action indicates sand and gravel fill.  FILL; Sand with silt and gravel, dry, coarse to fine sand, few silt, little gravel, tan to gray.  CLAYEY SILT (ML-CL); Very soft to medium, moist to wet, few sand, silt, few clay, mottled, olive.  Pocket Penetrometer: Undrained Shear Strength: Su = 1.5 tsf	10 20 18 20	7 7 6 2 3 2 4 WOH	1	24.4	МС	
S-3	Weathered bedrock, relic rock structure.  Bottom of exploration at 11.7; Auger refusal on bedrock.		15 26 46 50/3	96+ 33"				- 10= - 15 -	S-5 S-6 S-7	Pocket Penetrometer: Undrained Shear Strength: $Su=1.0$ to 1.5 tsf  Pocket Penetrometer: Undrained Shear Strength: $Su=0.75$ tsf  Pocket Penetrometer: Undrained Shear Strength: $Su=1.25$ to 1.5 tsf	18 8 20	1 1 WOH 1 2	3	23.1	GS MC HYD ATT MC	)
20 -								- 20 -	R-1 R-2	Weathered bedrock.  BIOTITE-SCHIST; Hard, fresh, fine grained, quartz inclusion at 19.2'; massive, sound; unweathered joints, closed, quartz and calcite filled joints, moderately dipping to high angle; RQD = 85%  Bottom of exploration at 23.5'; Boring terminated in bedrock.		3 3 3			QU	
30 lotes: N-Values a	re uncorrected for energy transfer ratio.									Type and Size Continued: Telescope 3" HW to 18.5 sare uncorrected for energy transfer ratio is about XXX	percent.					

Boring Log: B-110

Total Depth (ft): 12.5

Sheet 1 of 1
Drilling Co.: Northern Test Boring
Drill Rig: Diedrich D-50
Driller Rep.: Mike Nadeau
Date Started: 12/06/23
Date Completed: 12/06/23
Surface Elevation:

Drilling Method: 2 1/4" HSA

Casing Type:

R.W. Gillespie

& Associates

• Geotechnical Engineering
• Environmental Consulting
• Materials Testing Services

Boring Abandonment Method: Backfill with cuttings

gravel, brown.

Observed Water Depth:

Project Name: Prop. Maine Dept. of Inland Fisheries & Wildlife HQ RWG&A Project No. 0767-166-23
Location: Augusta, Maine
Client: Oak Point Associates
RWG&A Representative: Tom Snow
Boring Location: See Exploration Location Plan

ASPHALT PAVEMENT (3 inches).

Bottom of exploration at 12.5'.

DESCRIPTION OF MATERIAL

FILL; Silty sand, moist to wet, coarse to fine sand, some silt, few fine

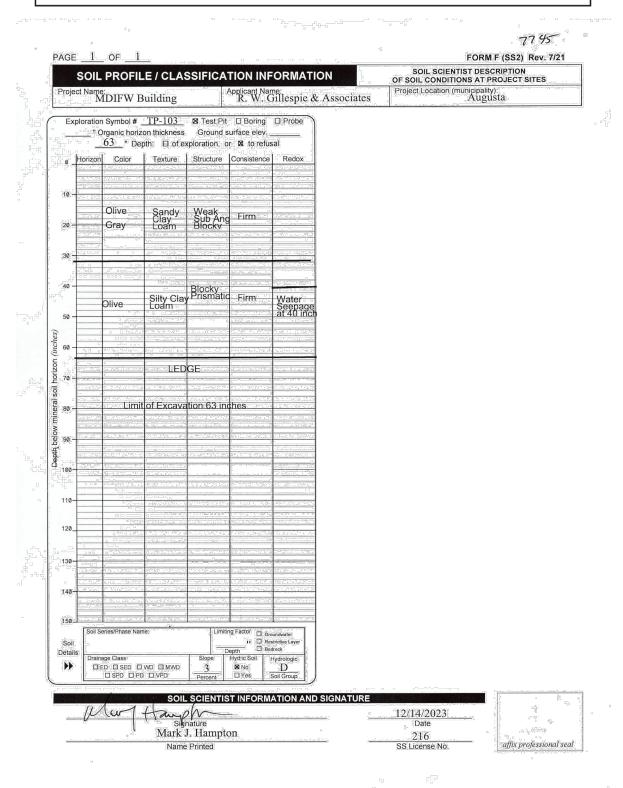
SILTY SAND WITH GRAVEL (SM); Medium dense, moist, coarse to fine 16 11 31

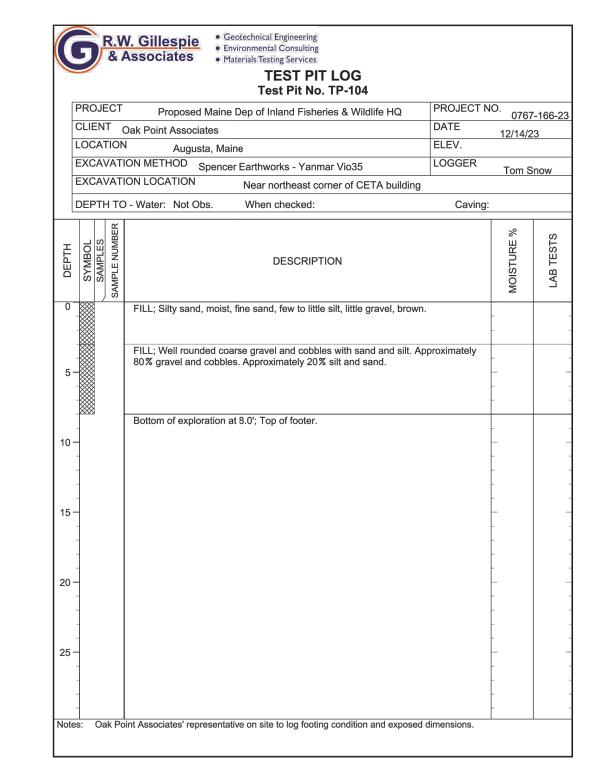
SILTY SAND (SM); Loose, dry, fine sand, some silt, light brown.

sand, little to some silt, little gravel, light brown to brown.

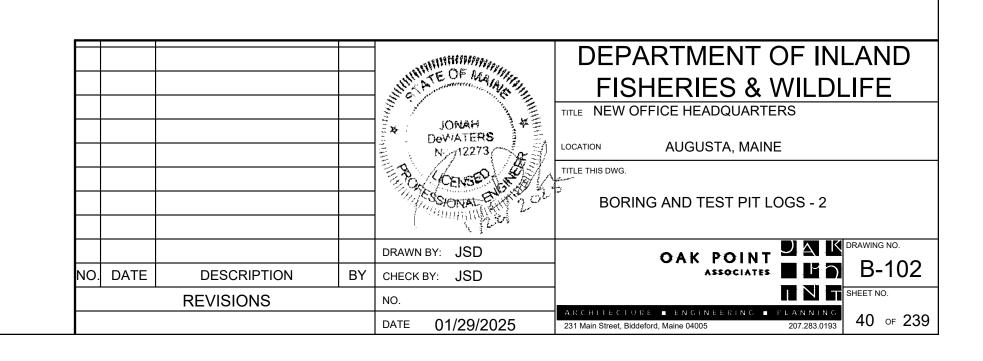
Notes: Reported SPT hammer energy transfer ratio is about 93 percent. SPT N-values are uncorrected for energy transfer.

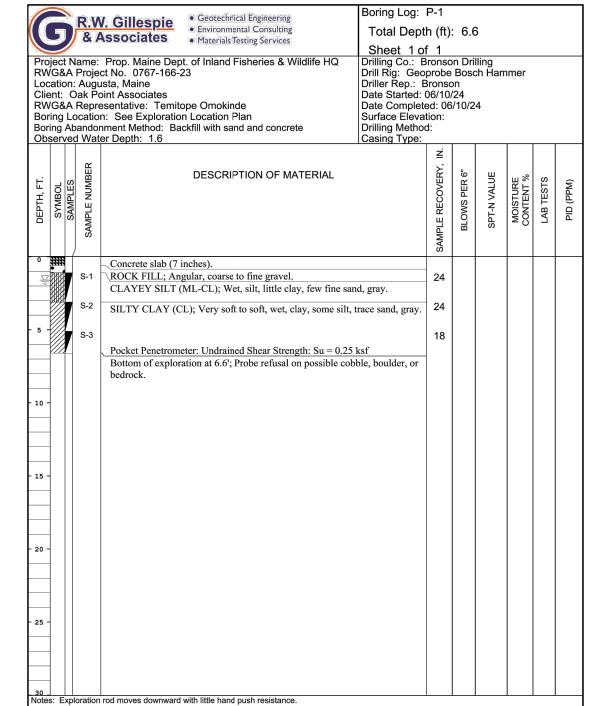
				LE / CLAS			FORMAT me: Gillespie		ssoci		OF SOI Project	OIL SCIENT L CONDITIC Location (m	ons at PRC unicipality) August	JECT SITES	3
		- "0	rganic hori:   20_ " De	TP-101 zon thickness epth: ☑ of e	Ground s	surface elev. r 🔲 to refu	usal b				Organic höriz 120_ " De	TP-102 on thickness pth: ⊠ of	Ground exploration,	or □ to ret	fusal
	0 _	Horizon	Color	Texture	Structure	Consistence	Redox		10	Horizon	Color Dark Brown	Gravelly Sandy Loam		Consistence Friable	Re
	20 =		Olive Gray	Sandy Clay Loam	Weak Sub And Blockv	Firm			20 -		Olive Brown	Sandy Clay Loam	Weak Sub Ang Blocky	Eim	
	40		Olive	Silty Clay Loam	Blocky	January Term			40 -						0
horizon Gwebeel	60 – 70 – 70 – 70 – 70 – 70 – 70 – 70 –							II horizon (inches)	60 - 70 -						
and helow mineral soil	100 IIIII elai on 110 00 00 00 00 00 00 00 00 00 00 00 00			Water at 72	Inches a	1-2 gpm		Depth below mineral soil horizon <i>(inches)</i>	80 <del>-</del>		Olive	Silty Cla	y Blocky	Firm	
John Had	100-							De	100= 110=	C V					1 22111110000
	120			it of Excava	tion 120 i	nches			120 <u> </u>		Limit	of Excava	ation 120	nches	
	140-	Soil Se	pries/Phase Na	mely	Limiti		Froundwater		140-	Soil Se	ries/Phase Nam	0	Limi	ting Factor	Groundw
- Language	Soil Detail	Draina	ge Class  D  SED E	J WD ( MWD	Slope 3 Percent	epth Bender Soil Wand No Yes	estrictive Layer edrock Hydrologic D Soil Group		Soil Details	Draina	ge Class ED SED D		Slope 3	n 🗆 F	Restrictiv Bedrock Hydro I Soil G
T		J	av	/ Hen Sign	SCIENTIS nature J. Hampt		NATION AN	D SI	GNAT	URE		1/2023 Date 16		12 C	ē S





PROJEC	Proposed Maine Dep of Inland Fisheries & Wildlife HQ	PROJECT I	NO. 076
CLIENT	Oak Point Associates	DATE	12/14/2
LOCATIO	N Augusta, Maine	ELEV.	12/17/
EXCAVA <sup>-</sup>	TION METHOD Spencer Earthworks - Yanmar Vio35	LOGGER	Tom S
EXCAVA	TION LOCATION Near southeast corner of CETA buildin	g	
DEPTH T	O - Water: Not Obs. When checked:	Caving	:
SYMBOL SAMPLES SAMPLE NUMBER	DESCRIPTION		MOISTURE %
5-	FILL; Silty sand, moist, fine sand, little silt, brown.  FILL; Well rounded coarse gravel and cobbles with sand and silt. 80% gravel and cobbles. Approximately 20% silt and sand.  Top of footer.	Approximately	- - - - -
10 -	Bottom of exploration at 9.0'.		-
15 –			-
20 -			- - -
25 —			-





7		F	R.W	Gillespie	oring Log: I		. 46	,			
	رد		& <i>F</i>	Associates  • Materials Testing Services	Fotal Depth Sheet 1 of		4.6	)			
OC Clie SW Sor	G&A ation nt: G&A ing I	A Pi Oa A Ri ₋oc lbai	roje kugu k Po epre ation	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ bt No. 0767-166-23 sta, Maine bint Associates seentative: Temitope Omokinde s: See Exploration Location Plan ament Method: Backfill with sand and concrete	illing Co.: B ill Rig: Geory iller Rep.: B ate Started: ( ate Complete urface Elevat illing Method asing Type:	ronso probe ronso 06/10/ ed: 06 ion:	Boso n 24	h Han	nmer		
			<u>~</u>			Z Z					
DEF 111, 1 1.	SYMBOL	SAMPLES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY,	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
		5	6-1	Concrete slab (4 inches).  ROCK FILL; Rounded, coarse to fine gravel.		15					
		5	S-2	SILT WITH SAND AND CLAY (ML-CL); Moist, silt, little me sand, trace clay, gray to brown.	edium to fine	20					
5 -				Few to little clay.  Weathered rock.							
				Bottom of exploration at 4.6'; Refusal on possible cobble, bould bedrock.	der, or						
0 -											
5 -											

		<u>,                                    </u>	ńΨ	Geotechnical Engineering	ring Log: F	<b>⊃</b> -13					
	G		8./		otal Depth	n (ft):	7.2	2			
				~   S	Sheet 1 of		- D-				
RW	ÍG8	kΑ	Proje	ct No. 0767-166-23 Dril	lling Co.: Bi Il Rig: Geop	robe	Boso		nmer		
					ller Rep.: B te Started: 0						
RW	/G8	kΑ	Repre	esentative: Temitope Omokinde Dat	te Complete	d: 06		4			
Bor	ing	Ab	ando	nment Method: Backfill with sand and concrete Dril	rface Elevati Iling Method						
Ob	ser	vec	l Wat	er Depth: 3' Cas	sing Type:	ż					
			꼾	DESCRIPTION OF MATERIAL			Ŧ.,				
Ë	占	ES	SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY,	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	STS	Ñ
ЭЕРТН, FT.	SYMBOL	SAMPLES	ЕN			ECO	/S PI	> 2	ISTU TEN	LAB TESTS	PID (PPM)
l ii	S	SA	MPL			LER	LOV	SPT-	₩ ₩ ₩	LAB	F
			SA			۱	В	0,			
0	3333	1		Concrete slab (3.5 inches).		Ø					
	M	7	S-1	POORLY GRADED GRAVEL (GP); Coarse, angular gravel.		12					
$\nabla$			S-2	SAND WITH SILT (SP-SM); Moist, few silt, trace clay. \tag{Noist} \tag{Interbedded clay seams.}		20					
_				CLAYEY SILT WITH SAND (ML-CL); Loose, moist to wet, sil	ilt, little	20					
- 5 -			FV-1 S-3	clay, few to little fine sand, gray.   Field Vane: Undrained Shear Strength: Su = 630 psf		20					
				SANDY SILT WITH CLAY (ML-CL); Wet, silt, some fine sand few clay, trace fine gravel, black fragment, gray.	d, little to						
				Bottom of exploration at 7.2'; Refusal on possible cobble, bould	ler, or						
				bedrock.							
- 10 -	-										
- 15 -	-										
- 20 -	-										
- 25 -	-										
	-										
30 Note	s:	Ц									
Щ											

Project Name: RWG&A Proje Location: Aug Client: Oak P RWG&A Repr Boring Locatio	Geotechnical Engineering  Environmental Consulting  Environmental Consulting  Environmental Consulting  Materials Testing Services  Prop. Maine Dept. of Inland Fisheries & Wildlife HQ ict No. 0767-166-23  usta, Maine oint Associates esentative: Temitope Omokinde in: See Exploration Location Plan nment Method: Backfill with sand and concrete	Boring Log: F Total Depth Sheet 1 of Drilling Co.: Br Drill Rig: Geop Driller Rep.: Br Date Started: 0 Date Complete Surface Elevati Drilling Method	ronscorobe ronscorobe ronscorobe ronscoro 06/10/ ed: 06 ion:	on Dri Bosc on /24	lling ch Har	nmer		
	DESCRIPTION OF MATERIAL	Casing Type:	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
S-1  5 -  10 -  20 -	Concrete slab (5 inches).  CRUSHED ROCK FILL; Angular, coarse to fine gravel.  CLAYEY SILT (ML-CL); Wet, silt, few to little clay, littl  Weathered rock.  Bottom of exploration at 2.6'; Refusal surface on possible or bedrock.		22					

G R.	W. Gillespie Associates	Geotechnical Engineering     Environmental Consulting     Materials Testing Services	Boring Log: Total Dept Sheet 1 o	h (ft)	: 4.8	3			
Project Name: Prop. Maine Dept. of Inland Fisheries & Wildlife HQ RWG&A Project No. 0767-166-23 Orill Rig: Geocation: Augusta, Maine Dilent: Oak Point Associates RWG&A Representative: Temitope Omokinde Boring Location: See Exploration Location Plan Surface Elevs Boring Abandonment Method: Backfill with sand and concrete Disperved Water Depth: 1'  Siliest Tro						ch Han	nmer		
SYMBOL SAMPLES		DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
S- S- S- S- S- S-	CLAYEY SILT fine sand, gray.	inches). unded and angular, coarse to fine grave WITH SAND (ML-CL); Moist, little cl. ation at 4.8'; Refusal on possible cobble	ay, little coarse to	12					

Project Name: RWG&A Proje .ocation: Augr Client: Oak P RWG&A Repr Boring Locatio Boring Abando	Prop. Maine Dept. of Inland Fisheries & Wildlife HQ ct No. 0767-166-23 usta, Maine Dept. of Inland Fisheries & Wildlife HQ oint Associates esentative: Temitope Omokinde n: See Exploration Location Plan nment Method: Backfill with sand and concrete er Depth: 1.1'	: P-3 of 1 Bronson Drilling eoprobe Bosch Hammer Bronson I: 06/10/24 eted: 06/10/24 vation: od:						
SYMBOL SAMPLES SAMPLES SAMPLE NUMBER	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(MAA) OIA
S-1  5 -  10 -  25 -  25 -  30 otes:	Concrete slab (5 inches).  ROCK FILL; Rounded to subrounded, coarse to fine grave CLAYEY SILT WITH SAND (ML-CL); Wet, silt, few to fine sand, gray.  Bottom of exploration at 2.7'; Refusal on possible cobble, bedrock.	little clay, little	22					

Project Na RWG&A F Location: Client: Oa RWG&A F Boring Lo Boring Aba	ame: P Project August ak Poin Represe cation:	No. 0767-166-2 a, Maine at Associates entative: Temito See Exploratio	ope Omokinde		Boring Log: Total Dept Sheet 1 o Drilling Co.: E Drill Rig: Geo Driller Rep.: E Date Started: Date Complet Surface Eleva Drilling Metho Casing Type:	h (ft) f 1 Bronso probe Bronso 06/11, ed: 06 tion: d:	on Dri Bosc on /24	lling ch Han	nmer		
SYMBOL SAMPLES	SAMPLE NUMBER		DESCRIPTION OF MAT	ERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)
5 -		CLAYEY SILT (	unded and angular, coarse to f ML-CL); Wet, silt, little clay, ation at 2.7'; Refusal on possil	few sand, gr		20					

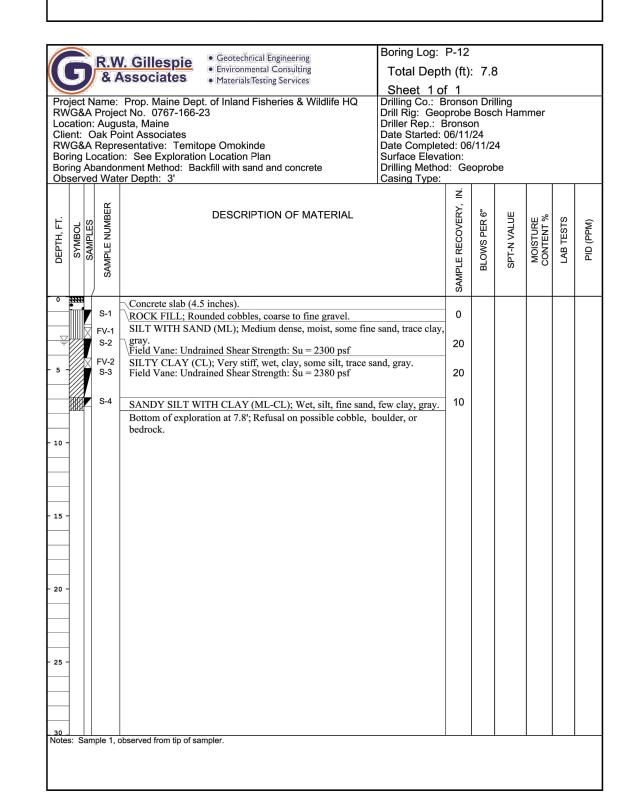
Project Name: Prop. Maine Dept. of Inland Fisheries & Wildlife HQ RWG&A Project No. 0767-166-23 Location: Augusta, Maine Client: Oak Point Associates  Sheet 1 o Drilling Co.: E Drill Rig: Geo Driller Rep.: E Date Started:							epth (ft): 7.4  I of 1 : Bronson Drilling Geoprobe Bosch Hammer : Bronson ed: 06/10/24 eleted: 06/10/24 evation: chod:							
DEPTH, FT. SYMBOL	SAMPLES SAMPLE NUMBER	DESCRIF	PTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)				
5 - 10 - 15 - 20 - 25 -	S-1 S-2 S-3 S-4	Concrete slab (5 inches).  ROCK FILL; Subrounded, coa CLAYEY SILT (ML-CL); We SILTY CLAY (CL); Wet, clay Bottom of exploration at 7.4'; bedrock.	t, silt, some clay, trace sand		22 22 0 12									

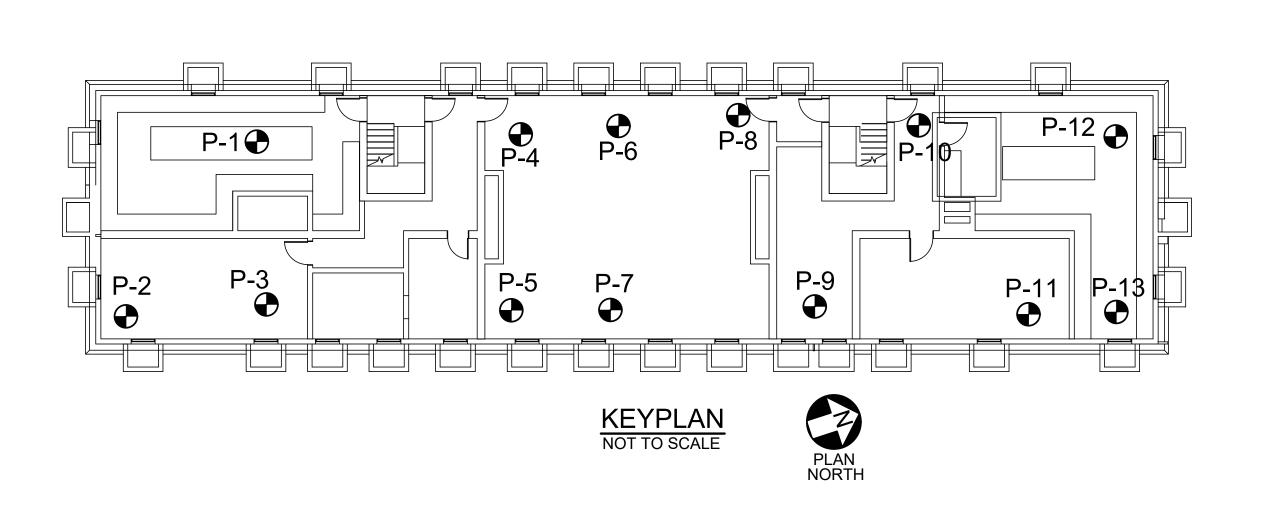
Project Name: RWG&A Proje Location: Augi Client: Oak P RWG&A Repr Boring Locatio	oint Associates esentative: Temitope Omokinde n: See Exploration Location Plan nment Method: Backfill with sand and concrete	ronso probe ronso 06/10/ ed: 06 ion:	on	lling ch Han	nmer			
SYMBOL SAMPLES SAMPLES	DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mdd) Old
S-1 S-2 S-3 S-4  10 - 20 -	Concrete slab (4 inches)  Clay pipe 5" diameter.  CLAYEY SILT WITH SAND (ML-CL); Loose to mediu some clay, broken earth pipe fragment, little coarse to fin Pocket Penetrometer: Undrained Shear Strength: Su = 1.5  SANDY SILT WITH GRAVEL (ML); Loose, wet, silt, so trace clay, little fine gravel, gray.  Pocket Penetrometer: Undrained Shear Strength: Su = 1.0  Bottom of exploration at 8.3'; Refusal on possible cobble, bedrock.	ksf ome fine sand, ksf	12 20 18 12					

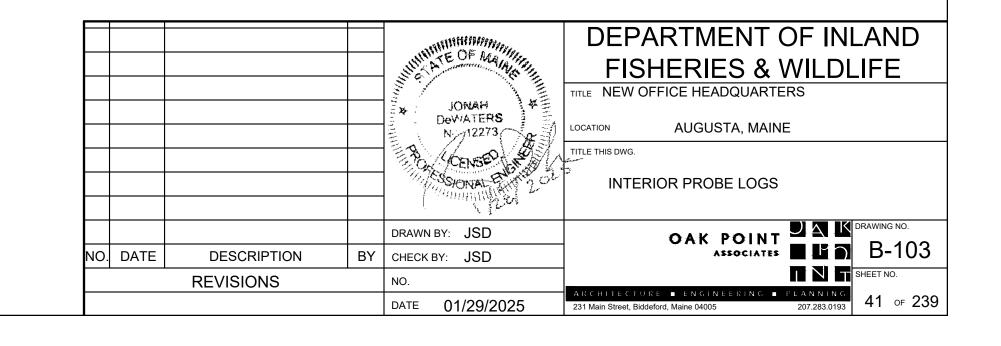
R.W. Gillespie & Associates  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services  • Materials Testing Services  Sheet 1 of  Project Name: Prop. Maine Dept. of Inland Fisheries & Wildlife HQ RWG&A Project No. 0767-166-23 Cocation: Augusta, Maine Client: Oak Point Associates RWG&A Representative: Temitope Omokinde Boring Location: See Exploration Location Plan Cobserved Water Depth: 1'  • Geotechnical Engineering • Environmental Consulting • Materials Testing Services  Drilling Co.: Bro  Drilling Reg.: Bro  Date Started: 06  Date Completed Surface Elevatic  Drilling Method: Casing Type:						lling ch Han	nmer		
SAMPLES SAMPLES SAMPLES			SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	PID (PPM)	
S-1 S-2 5 - 20 - 25 - 30 Notes:	SILT WITH SAN gray.	inches). gular and subrounded, coarse to fine gravito (ML); Moist, silt, little medium to fin at 4.5'; Refusal on possible cobble,	e sand, few clay,	20					

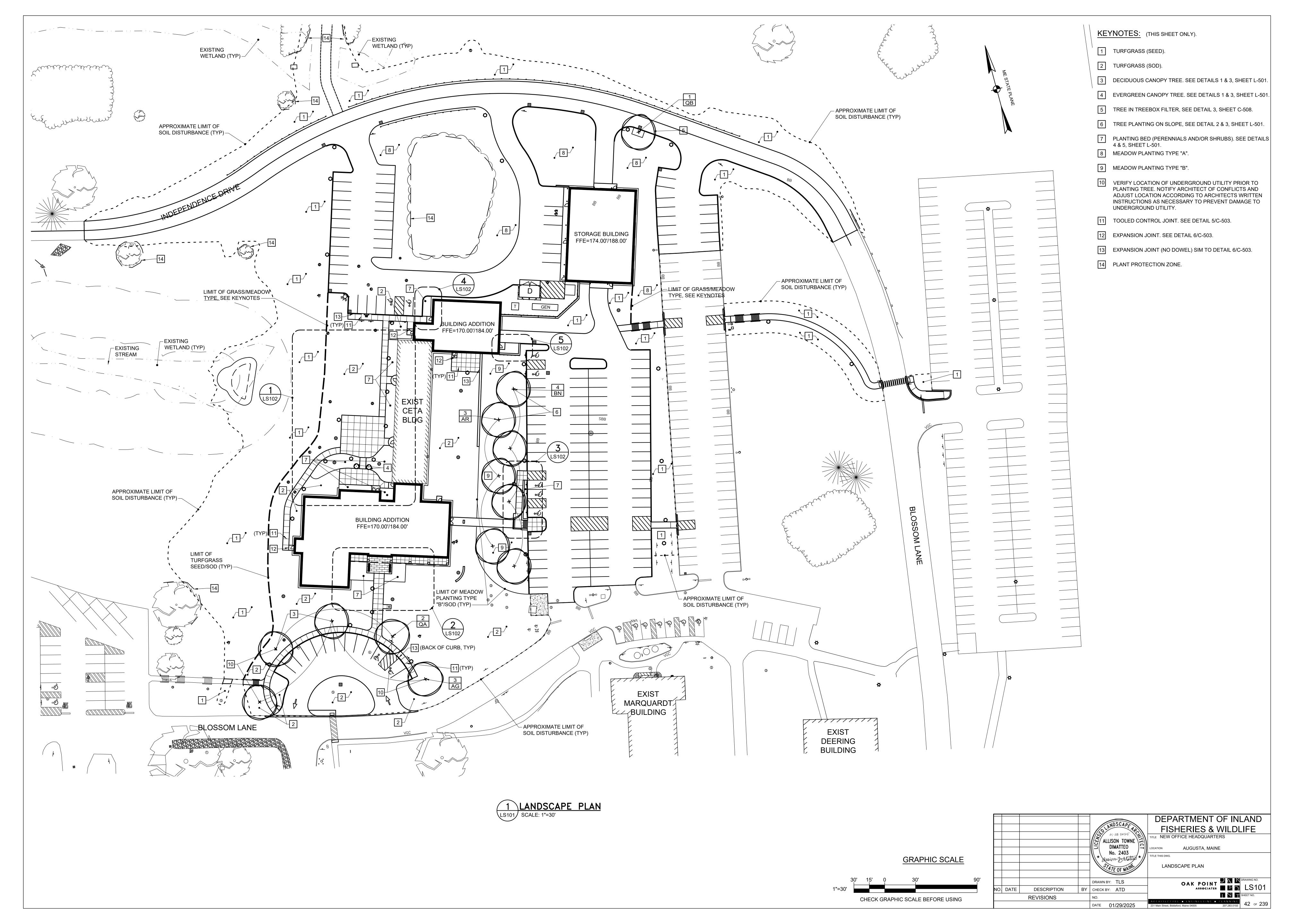
Project Name: RWG&A Proje Location: Augr Client: Oak Pr RWG&A Repr Boring Locatio Boring Abando	ect No. 0767-166- usta, Maine oint Associates resentative: Temit on: See Exploratio	ope Omokinde n Location Plan ckfill with sand and concrete	Boring Log: Total Dep Sheet 1 of Dilling Co.: Drill Rig: Ge Driller Rep.: Date Started: Date Comple Surface Elevi Drilling Metho Casing Type:	of 1 Bronso oprobe Bronso 06/11 ted: 06 ation: od:	on Dri Boso on /24	lling ch Har	mmer		
SAMPLES SAMPLES SAMPLES		DESCRIPTION OF MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	
S-1 FV-1 S-2 S-3 - 5 10 15 20 25	CLAYEY SILT little coarse to fir Field Vane: Undi Few fine gravel, Trace to few clay	unded, coarse to fine gravel.  WITH SAND (ML-CL); Very loose, very lessend, gray.  Tained Shear Strength: Su = 480 psf interbedded fine sand 5".	•	6 20 10					

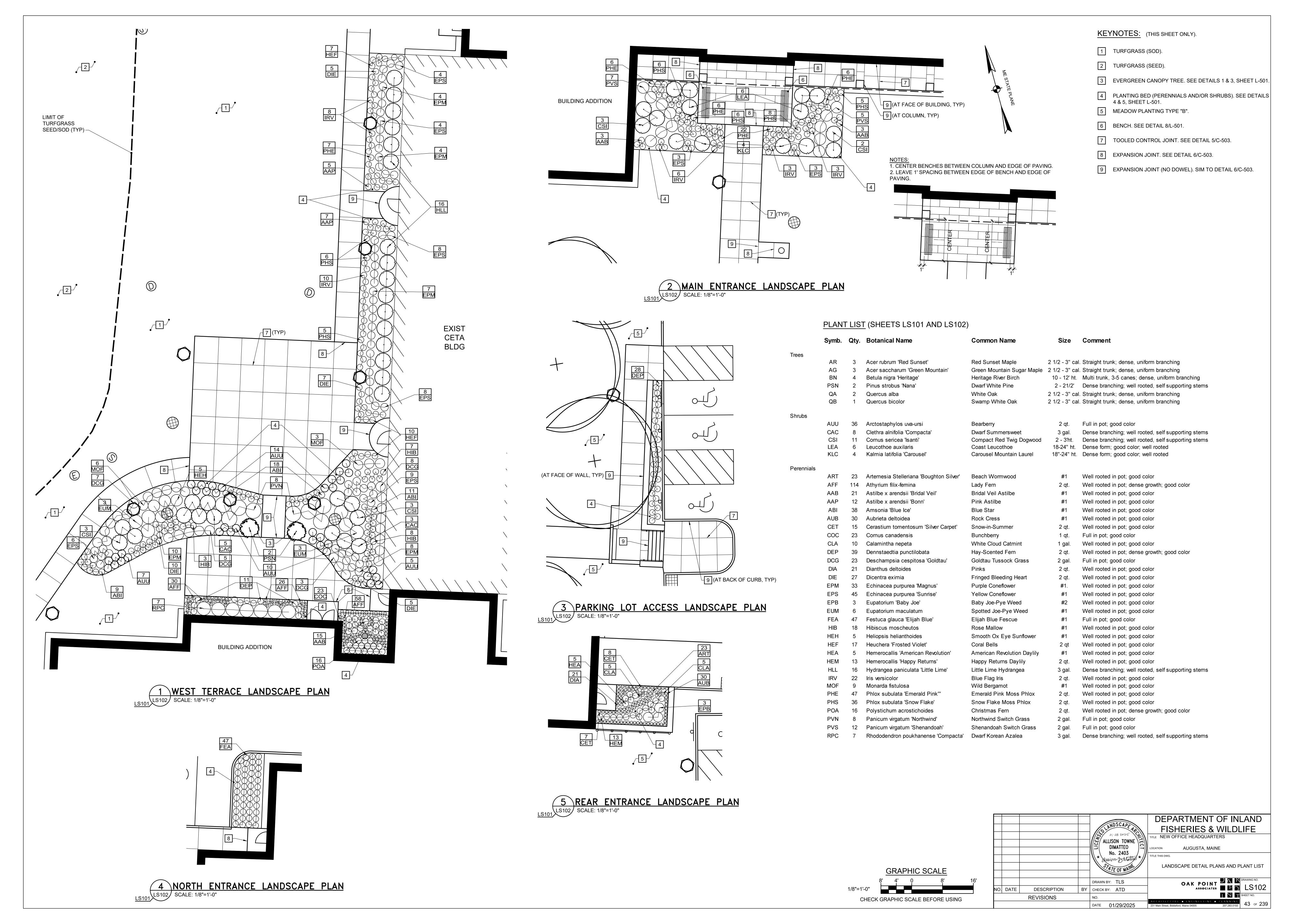
Project RWG&/ Location Client: RWG&/ Boring / Boring /	Name A Proj n: Aug Oak P A Rep Locati	M. Gillespie Associates  Prop. Maine Dept. of Inland Fisheries ect No. 0767-166-23 Pusta, Maine Point Associates Presentative: Temitope Omokinde Point See Exploration Location Plan Pomment Method: Backfill with sand and corditer Depth: 1'	wildlife HQ	Boring Log: Total Dept Sheet 1 or Drilling Co.: E Drill Rig: Geo Driller Rep.: E Date Started: U Date Complete Surface Eleva Drilling Methor Casing Type:	h (ft) f 1 gronso probe Bronso 06/10 ed: 06 tion: d:	on Dri Boso on /24	lling ch Han	nmer		
DEPTH, FT. SYMBOL	SAMPLES SAMPLE NUMBER	DESCRIPTION OF	MATERIAL		SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N VALUE	MOISTURE CONTENT %	LAB TESTS	(Mad) UId
- 10 -	S-1 S-2	Concrete slab (5 inches).  ROCK FILL; Rounded, coarse to fine grace CLAYEY SILT WITH SAND (ML-CL); medium to fine sand, little clay, gray to be Interbedded sand layers.  Bottom of exploration at 4.7'; Refusal on bedrock.	Moist to wet, silt, lown.		12					

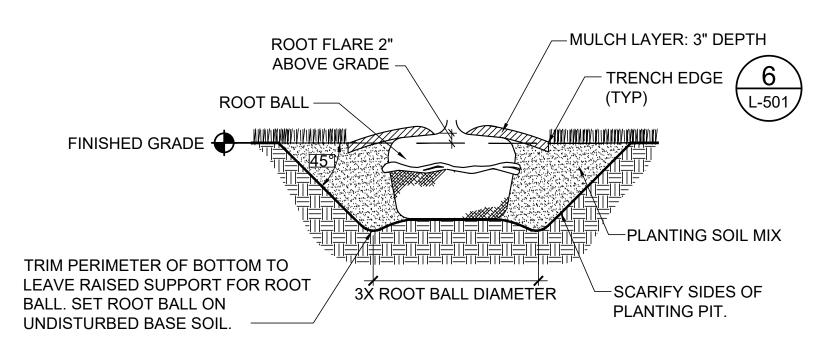








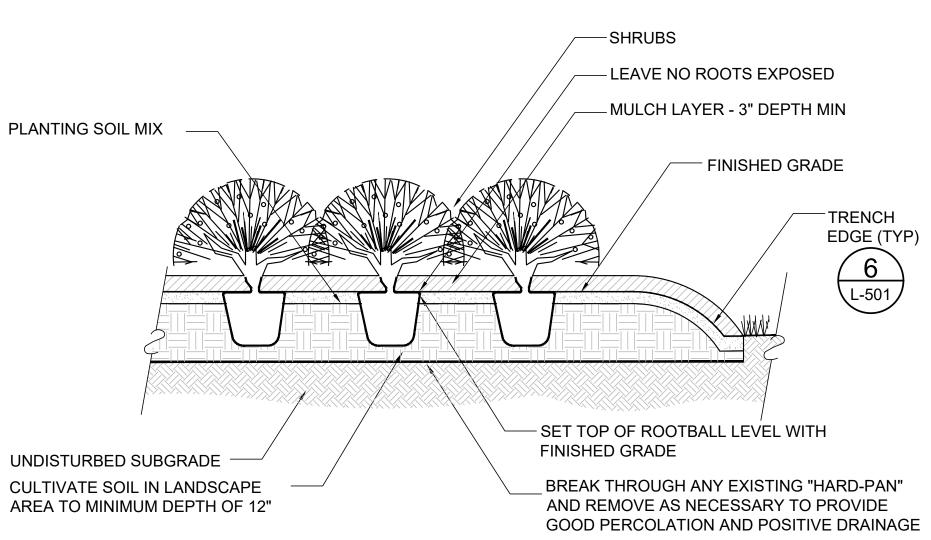




#### PLANTING PROCEDURE:

- 1. EXCAVATE CIRCULAR PLANTING PIT 3X THE DIAMETER OF ROOTBALL WITH SIDES SLOPING INWARD AT 45°ANGLE.
- 2. FILL EXCAVATIONS WITH WATER AND ALLOW TO PERCOLATE. NOTIFY ARCHITECT OF UNEXPECTED WATER SEEPAGE OR RETENTION OF WATER.
- 3. SET TREE WITH ROOT FLARE 2" ABOVE SURROUNDING FINISHED GRADE. DO NOT BREAK ROOTBALL.
- 4. REMOVE BURLAP, STRAPS, WIRE CAGE AND OTHER MATERIALS FROM TOP 1/4 OF ROOTBALL. 5. BACK FILL WITH PLANTING SOIL MIX IN LAYERS. TAMP LIGHTLY TO ELIMINATE VOIDS AND AIR POCKETS.
- 6. WATER THOROUGHLY WHEN ONE-HALF OF PLANTING PIT IS FILLED.
- 7. PLACE FERTILIZER TABLETS ONE INCH FROM ROOTBALL WHEN ONE-HALF OF PLANTING PIT IS FILLED.
- 8. PLACE REMAINDER OF FILL AND WATER THOROUGHLY. 9. CONSTRUCT TRENCH EDGE AND MULCH AS SPECIFIED. DO NOT PLACE MULCH WITHIN 3 INCHES OF TRUNK.
- 10. STABILIZE TREE AS SPECIFIED.

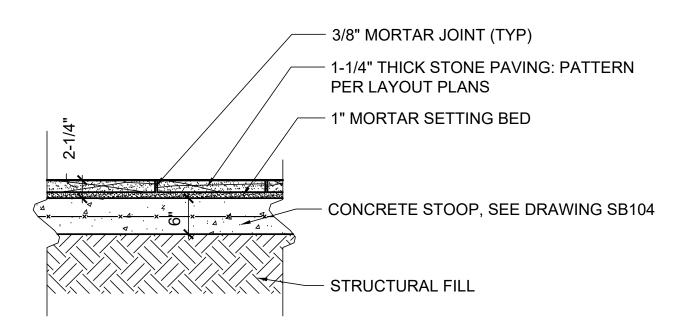
#### TYPICAL TREE ROOTBALL PIT L-501 NOT TO SCALE



#### PLANTING PROCEDURE

- 1. LAY OUT BED AND OUTLINE WITH TRENCH EDGE. PLACE SOIL FROM EDGE WITHIN BED. 2. ROTOTILL BED TO 12" DEPTH. SPREAD 3" MIN. LAYER OF PLANTING SOIL MIX OVER BED. ROTOTILL SOIL MIX
- INTO TOP OF BED. INSTALL PLANTS AND MULCH. WATER THOROUGHLY.

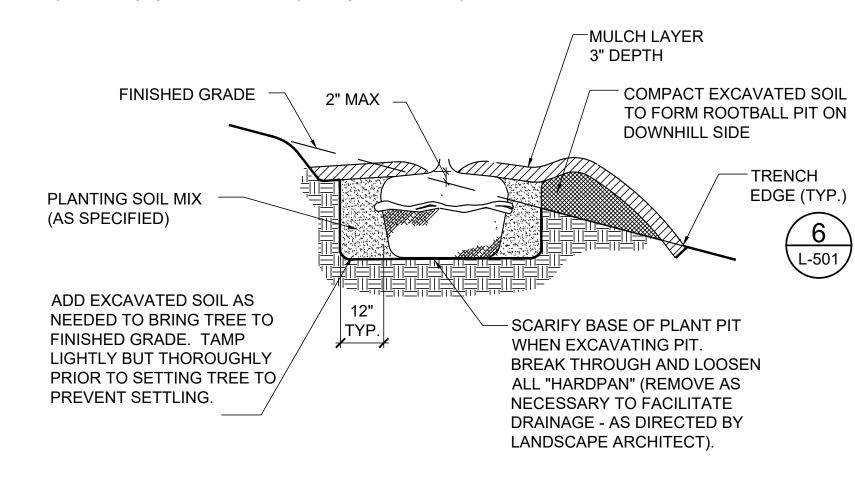




GRANITE ENTRY PLAZA PAVING

#### **GENERAL NOTES:**

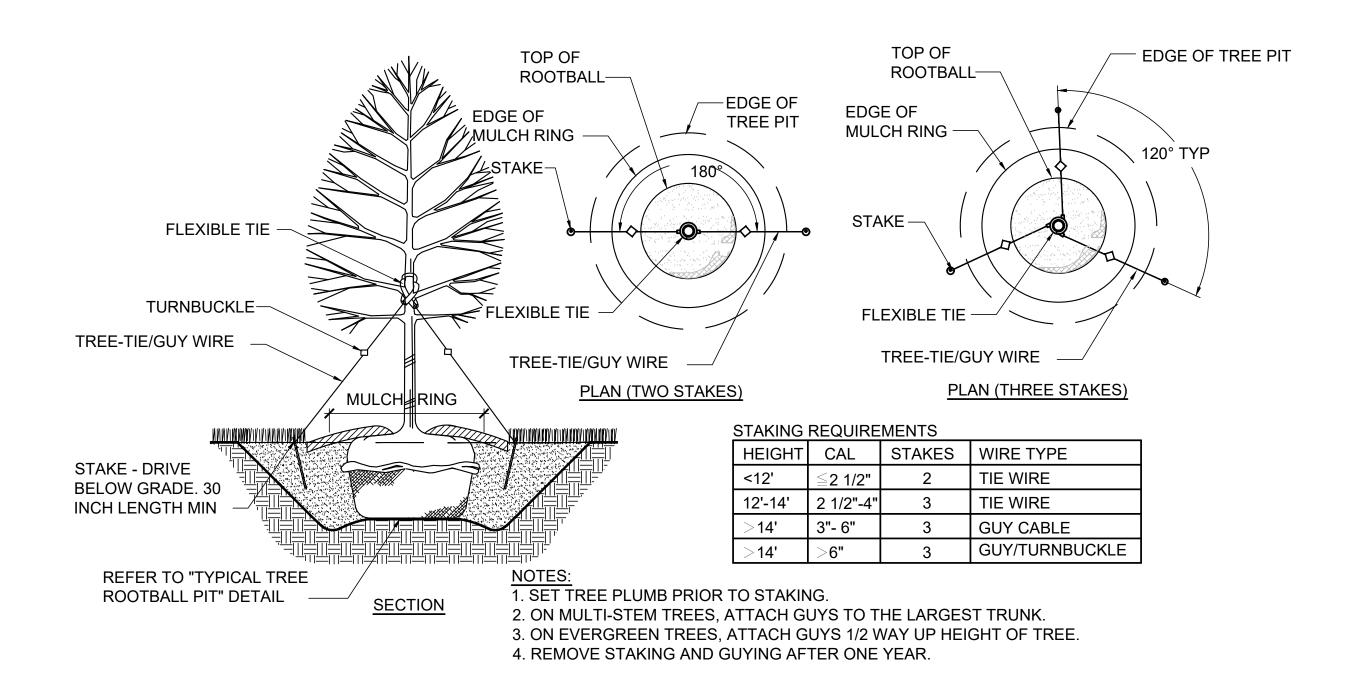
- 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
- 2. IMMEDIATELY SOAK WITH WATER.
- 3. DO NOT BREAK ROOTBALL.
- 4. SET ROOTBALL AT GRADE OR MAX. 2" ABOVE GRADE. 5. IF ROOTBALL IS IN WIRE CAGE, BEND CAGE BACK FROM TOP 1/4 OF BALL.
- 6. KEEP MULCH 1"-2" AWAY FROM TRUNK AT BASE OF TREE.



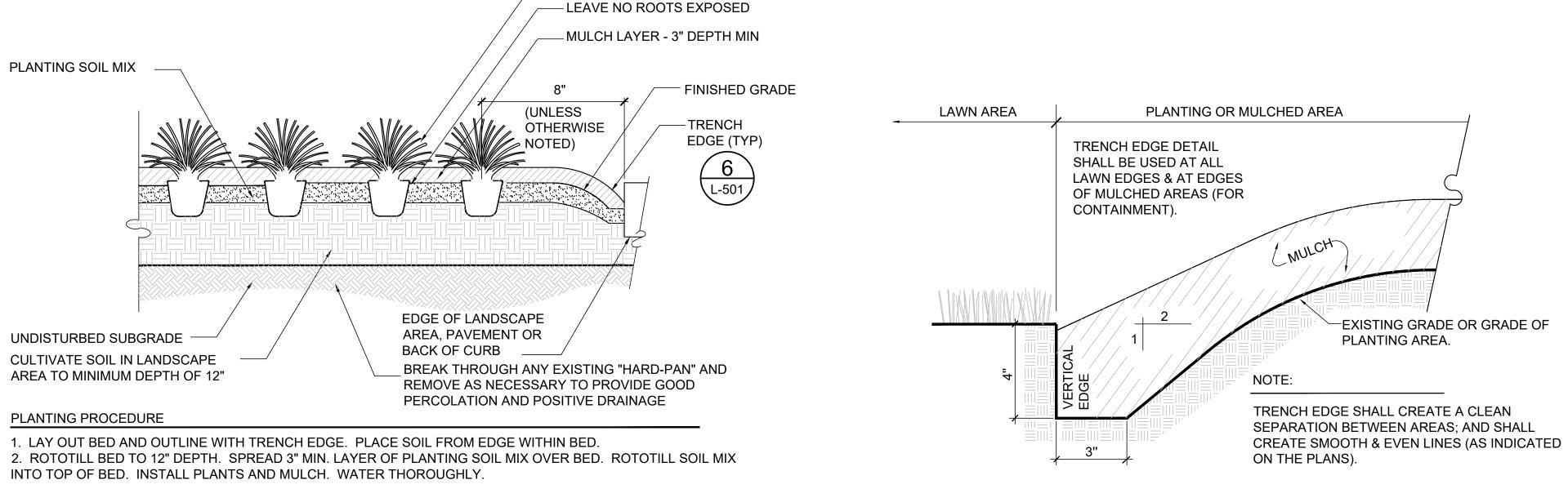
#### PLANTING PROCEDURE:

- 1. EXCAVATE ROOTBALL PIT.
- 2. ADD EXCAVATED SOIL AND TAMP.
- 3. SET TREE SUCH THAT TOP OF ROOTBALL IS FLUSH WITH OR NO HIGHER THAN 2" ABOVE
- FINISHED GRADE. 4. BACKFILL W/ SOIL MIX AND WATER IN.
- 5. COMPLETE BACKFILLING, CONSTRUCT TRENCH EDGE & ADD SPECIFIED MULCH.
- 6. STAKE AND/OR GUY SECURELY.

# 2 TREE ROOTBALL PIT ON SLOPE



# TREE STAKING AND GUYING



-GROUNDCOVER



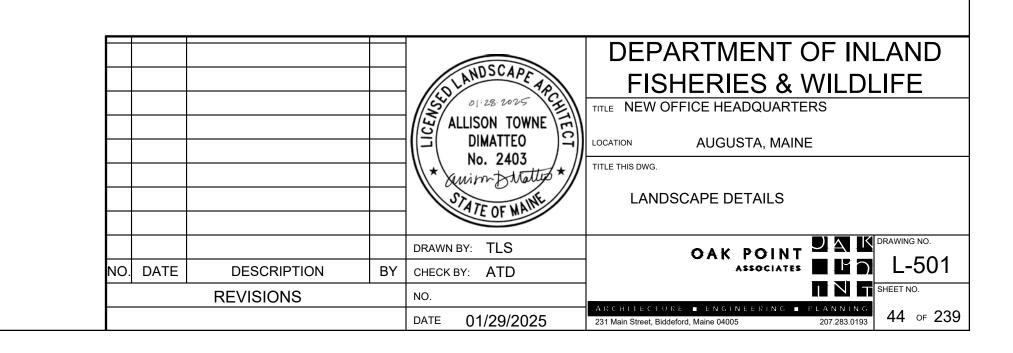
1. ANCHOR BENCH SECURELY THROUGH STONE PAVING INTO CONCRETE THROUGH SURFACE MOUNT TABS

2. DO NOT ANCHOR THROUGH PAVING JOINTS. 3. BENCH SHALL BE "MULTIPLICITY BENCH" BY LANDSCAPE FORMS (WWW.LANDSCAPEFORMS.COM) -WOOD SEAT 7'-11" -CAST ALUMINUM FRAME L-501 -TRENCH EDGE NON-MARRING FREESTANDING GLIDES. — THREADED RODS LEAVE GLIDES INSTALLED IF OTHER MOUNTING OPTION IS SPECIFIED. 

TRENCH EDGE - SECTION

-EXISTING GRADE OR GRADE OF

PLANTING AREA.



#### STRUCTURAL NOTES

### CONCRETE

- CONFORM WITH ACI 117, ACI 201, ACI 211.1, ACI 301, ACI 302.1R, ACI 305R, ACI 306.1, ACI 308.1, ACI 309R, ACI 315, ACI 318, ACI 330 AND ACI 347R.
- CONCRETE EXPOSED TO WEATHER: NORMAL WEIGHT, F'c=5000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.40. CONCRETE FOR FOOTINGS: NORMAL WEIGHT, F'c=3000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50. CONCRETE FOR FOUNDATION WALLS AND PIERS: NORMAL WEIGHT, F'c=5000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.40. CONCRETE FOR SLABS-ON-GROUND: NORMAL WEIGHT, F'c=4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.45.

CONCRETE FOR TOPPING SLABS: LIGHTWEIGHT, F'c=4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.

- COMPACT THE STRUCTURAL FILL BENEATH ISOLATED AND SPREAD FOOTINGS WITH A VIBRATING PLATE COMPACTOR AND PRIOR TO CONCRETE REINFORCEMENT PLACEMENT.
- 4. DEFORMED REINFORCING BARS: ASTM A615/A615M (GRADE 60).
- SOUTH ADDITION PIER REINFORCING: ASTM A615/A615M (GRADE 75).
- WELDED WIRE FABRIC: ASTM A185 (EPOXY COATED AS INDICATED).
- 7. LAP SPLICE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 301/ACI 318. LAP BARS AS INDICATED IN THE LAP SPLICE SCHEDULE ON SHEET S-001. WELDING OF STEEL REINFORCEMENT IS NOT PERMITTED.
- MINIMUM REINFORCING STEEL COVER: FOOTINGS 3", WALLS AND PIERS 2", ELEVATED SLABS 3/4", UNLESS INDICATED OTHERWISE.
- 9. SUPPORT STEEL REINFORCEMENT AND WELDED WIRE FABRIC BY APPROVED MATERIALS.
- 10. CURE ELEVATED SLABS BY MOIST CURING ONLY.
- 11. CURE CONCRETE AS SPECIFIED. CONCRETE NOT CURED WILL NOT BE ACCEPTED.
- 12. NONSHRINK GROUT: ASTM C1107, NONMETALLIC.
- 13. EPOXY GROUT: ASTM C881, TYPE IV OR V
- 14. EPOXY ADHESIVE: ASTM C881
- 15. CONCRETE SLAB FINISH

FLOOR FLATNESS AND LEVELNESS											
SLAB LOCATION	OVERAL	L VALUE	MIN LOCAL VALUE								
SLAB LOCATION	F	F <sub>L</sub>	F <sub>F</sub>	F							
SLAB ON GRADE	35	25	24	17							

- 16. PERFORM FLATNESS/LEVELNESS TESTS WITHIN 48 HOURS OF CONCRETE PLACEMENT. SUBMIT TEST RESULTS TO THE STRUCTURAL ENGINEER OF RECORD AND OWNER WITHIN 24 HOURS OF TEST COMPLETION.
- 17. INTERIOR SLABS-ON-GRADE: PROVIDE CONCRETE SLAB PROTECTION (BEYOND THE 7-DAY CURING PERIOD) UNTIL THE BUILDING ENVELOPE COMPLETELY ENCLOSES AND PROTECTS THE SLAB FROM WIND, SUN AND PRECIPITATION.
- 18 TAPE AND SEAL JOINTS IN VAPOR RETARDER AT EDGES AND UTILITY PENETRATIONS. SEAL VAPOR RETARDER TO CONCRETE AT EDGES.
- 19. SECURE ANCHOR RODS IN PLACE PRIOR TO PLACING CONCRETE. INCORRECTLY LOCATED OR OUT-OF-PLUMB ANCHORS MUST BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT METHODS MUST BE AS DIRECTED BY THE OWNER.
- 20. COORDINATE FOUNDATION WORK WITH SOIL AND SOIL EXPLORATION NOTES ON SHEET C-001
- 21. COORDINATE SLAB FINISH REQUIRED FOR FLOORING TESTING AND INSTALLATION WITH FLOORING MANUFACTURER.
- 22. SLEEVES: AT SLEEVES LESS THAN 12" DIAMETER, NO ADDITIONAL REINFORCING REQUIRED. AT SLEEVES GREATER THAN 12", PROVIDE (2) #5'S HORIZONTAL OVER OPENING, EXTEND 1'-0" PAST OPENING ON EACH SIDE. BOND OUTS: AT RECTANGULAR BOND OUTS UP TO 9'-0" WIDE, PROVIDE (2) #5'S HORIZONTAL OVER OPENING, EXTEND 1'-0" PAST OPENING ON EACH SIDE AND (2) #5'S, 1'-0" LONG, CORNER BARS AT A 45 DEGREE ANGLE AT EACH CORNER OF BOND OUT ON EACH FACE OF FOUNDATION

#### STRUCTURAL STEEL

CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "MANUAL OF STEEL CONSTRUCTION FIFTEENTH EDITION".

- STEEL FOR ROLLED SECTIONS: ASTM A992/A992M (Fy=50 KSI) STEEL FOR CONNECTIONS, ANGLES AND PLATES: ASTM A36 (Fy=36 KSI). STEEL FOR COLUMN BASE PLATES: ASTM A572/A572M (Fy=50 KSI). RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=50 KSI). ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=46 KSI).
- ANCHOR RODS: ASTM F1554, GRADE 55 (Fy=55 KSI). NUTS: ASTM A563, GRADE A
- 4. STRUCTURAL BOLTS: ASTM A325/A325M N, TYPE 1 OR ASTM F1852, TYPE 1, TENSION CONTROL. WASHERS: ASTM F436M. NUTS: ASTM A563M.
- WELDING: AWS D1.1 AND AWS D1.3, E70 ELECTRODE.
- GRIND EXPOSED WELDS SMOOTH.

s\22205.04-IF&W-STRUCTURAL v22 mclemons3RMZ5.rvf

WASHERS: ASTM F436, TYPE 1.

- LATERAL FORCE RESISTING COLLECTOR CONNECTIONS ARE AS INDICATED
- BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS ARE AS INDICATED. ALTERNATE CONNECTIONS THAT HAVE EQUAL OR GREATER STRENGTH ARE PERMITTED PROVIDED CACULATIONS PREPARED AND SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENINGEER IN THE STATE OF MAINE ARE SUBMITTED FOR REVIEW.
- BRACING CONNECTIONS SCHEDULES AND DESIGN FORCES ARE INDICATED ON SHEET SF201. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE.
- 10 FULLY TENSION BOLTS. USE TENSION CONTROL BOLTS ONLY.
- 11. COORDINATE TESTING AND INSPECTION OF FIELD-BOLTED CONNECTIONS ACCORDING TO RCSC'S LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

### **COLD-FORMED STEEL**

- COLD-FORMED METAL FRAMING: GALVANIZED STEEL ASTM A653/A653M, GRADE 33 FOR TRACKS (Fy=33 KSI) G90 COATING. GRADE 50 FOR STUDS: (Fy=50 KSI) G90 COATING.
- PNEUMATIC FASTENING OF COLD-FORMED FRAMING IS NOT PERMITTED.
- SECTION PROPERTIES FOR WALL STUDS, TRACKS, HEADERS, AND SOFFIT FRAMING MUST BE AS REQUIRED BY STRUCTURAL PERFORMANCE.
- DESIGN COLD-FORMED STEEL CONNECTIONS IN ACCORDANCE WITH THE LATEST REVISION OF AISI'S "DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", FOR THE REACTIONS REQUIRED. DESIGN COLD-FORMED CURTAIN WALLS FOR THE COMPONENT AND CLADDING WIND PRESSURES INDICATED ON SHEET S-003.
- DESIGN COLD-FORMED STEEL MEMBERS TO SUPPORT SUNSHADES FOR DEAD LOAD, SNOW LOAD AND COMPONENT AND CLADDING WIND FORCES. WIND FORCES MAY ACT IN POSITIVE AND NEGATIVE DIRECTIONS.
- LIMIT MAXIMUM PERMITTED WIND LOAD DEFLECTION OF EXTERIOR WALLS TO L/360 AT METAL PANEL SYSTEM.
- EXTERIOR WALL DEFLECTION TRACK MUST ALLOW FOR 1-1/2" OF DEFLECTION AT ROOF LEVELS.
- PREPARE DESIGN CALCULATIONS AND SHOP DRAWINGS BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE AND SUBMIT FOR REVIEW PRIOR TO CONSTRUCTION OF FRAMING.

#### **MASONRY**

- CONFORM TO ACI 530-11/ASCE 5-11/TMS 402-11.
- CONCRETE MASONRY UNITS: ASTM C90, TYPE 1, NORMAL WEIGHT. MORTAR: ASTM C270. **GROUT: ASTM C476 FINE**
- DEFORMED REINFORCEMENT: ASTM A615/A615M, GRADE 60.
- CONCRETE MASONRY ASSEMBLIES TO HAVE THE FOLLOWING STRENGTHS MASONRY UNIT ASSEMBLY STRENGTH: F'm=3000 PSI. CONCRETE MASONRY UNITS COMPRESSIVE STRENGTH: Fc=4500 PSI GROUT STRENGTH: Fg=3000 PSI.
- SUBMIT SPECIFIED PRE-CONSTRUCTION TESTS TO THE STRUCTURAL ENGINEER OF RECORD AND THE OWNER PRIOR TO STARTING MASONRY CONSTRUCTION. DO NOT CONSTRUCT MASONRY WITHOUT THE REQUIRED PRE-CONSTRUCTION TESTING BEING PERFORMED. MASONRY CONSTRUCTED WITHOUT THE REQUIRED PRE-CONSTRUCTION TESTING WILL NOT BE ACCEPTED.
- COORDINATE DAILY MASONRY INSPECTIONS AS SPECIFIED. MASONRY CONSTRUCTED WITHOUT THE COMPLETION OF DAILY MASONRY INSPECTIONS WILL NOT BE ACCEPTED AND WILL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- REINFORCE CONCRETE MASONRY WALLS AND PARTITIONS AS INDICATED WITH REINFORCED CELLS GROUTED SOLID AND GROUT REMAINING EMPTY CELLS SOLID, UNLESS NOTED OTHERWISE.
- DO NO MAKE HOLES OR PENETRATIONS THROUGH CMU BOND BEAMS
- LAP SPLICE REINFORCING AS INDICATED ON FOUNDATION DETAILS AND MASONRY WALL ELEVATION SHEETS.

# **POST INSTALLED ANCHORS**

- INSTALL POST INSTALLED ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. BASIS OF DESIGN ARE HILTI PRODUCTS. ALTERNATE PRODUCTS ARE ACCEPTABLE PROVIDED THEY HAVE EQUAL OR GREATER CAPACITIES. SUBMIT FOR REVIEW PRIOR TO INSTALLATION.
- 2. 5/8" DIAMETER ANCHORS/EXPANSION BOLTS MUST HAVE THE FOLLOWING MINIMUM ULTIMATE STRENGTH:
  - a. SHEAR = 14,725 LBS b. TENSION = 6,835 LBS.
- 3. ADHESIVE ANCHORS: HILTI HY-200 A V36 ADHESIVE. RODS = 5/8" DIAMETER.

### STRUCTURAL GLUED LAMINATED TIMBER

- PROVIDE STRUCTURAL GLUED LAMINATED TIMBER IN ACCORDANCE WITH ANSI A190.1. AITC 110 AND ANSI 117.
- PROTECT STRUCTURAL GLUED LAMINATED TIMBER IN ACCORDANCE WITH AITC 111. REMOVE AND REPLACE DAMAGED FRAMING.
- **SPECIES AND GRADES:** 
  - VISUALLY GRADED SOUTHERN PINE (NO "WANE" PERMITTED) FOR ALL **GLUED LAMINTED TIMBER**
- BEAMS, PURLINS, AND BRACES: BEAM STRESS CLASSIFICATION = 24F-1.8E COMBINATION SYMBOL = SP/SP, 24F-8 UNBALANCED. Fb = 2.400 PSIFv = 300 PSI
  - Ft = 1,150 PSIFc = 1,650 PSIE = 1,800,000 PSI
- COLUMNS:
  - COMBINATION SYMBOL = SOUTHERN PINE, 49. Fb = 1.550 PSI
  - Fv = 300 PSIFt = 1.350 PSI
  - Fc = 2,100 PSI (4 OR MORE LAMINATIONS) E = 1,700,000 PSI
- INTERIOR METAL PLATES AND CONNECTORS MUST BE SHOP PRIMED AND PAINTED. FASTENERS SHALL BE FIELD PRIMED AND PAINTED. COORDINATE WITH **ARCHITECTRURAL**
- EXTERIOR MEMBERS MUST BE TREATED WITH AN APPROVED PRESERVATIVE WHICH PROVIDES A NATURAL APPEARANCE. INTERIOR MEMBERS MUST BE TREATED AS INDICATED IN THE SPECIFICATIONS.
- EXTERIOR METAL PLATES AND CONNECTORS MUST BE HOT-DIP GALVANIZED WITH A G90 COATING. FASTENERS SHALL BE HOT-DIP GALVANIZED. FIELD PAINT METAL PLATES, CONNECTORS, AND FASTENERS.
- DESIGN BRACED FRAME CONNECTIONS FOR THE FORCES INDICATED ON SHEET SF204. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE.
- SEE BRACED FRAME CONNECTION DESIGN CRITERIA ON SHEET SF204.
- BASIS OF DESIGN FOR GLU-LAM CONNECTION HARDWARE IS BASED ON SIMPSON STRONG-TIE AND MTC SOLUTIONS. ALTERNATE PRODUCTS WITH EQUAL OR GREATER CAPACITIES ARE ACCEPTABLE. SUBMIT ALTERNATE PRODUCTS FOR REVIEW. SEE SHEET SF601 FOR GLU-LAM CONNECTION SCHEDULES AND DETAILS.

### STEEL DECK

- STEEL DECKS: AISI SG03-3 AND STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS". DECK UNITS ASTM A653/A653 SQ, GRADE 40, COATING G90 FOR ASTM A653/A653M. FASTEN FLOOR DECK WITH 5/8" WELDS ON A 36/4 PATTERN WITH (6) #10 SCREWS PER SPAN (STITCH CONNECTION).
- STEEL COMPOSITE DECK = NON-CELLULAR, GRADE 40. MINIMUM DEPTH = 2" (MINIMUM DESIGN THICKNESS: 0.0598 IN (16 GAUGE)) MINIMUM SECTION MODULUS =  $Sx = 0.611 \text{ IN}^3$ MINIMUM MOMENT OF INERTIA =  $Ix = 0.653 IN^{-4}$
- PROVIDE CONCRETE POUR STOPS/CLOSURE ANGLES AT EDGES OF SLABS. SEE POUR STOP SCHEDULE ON THIS SHEET FOR POUR STOP SIZE AND MAXIMUM OVER HANG DISTANCE.

## CROSS LAMINATED TIMBER

- PROVIDE CROSS LAMINATED TIMBER IN ACCORDACNE WITH ANSI/APA PRG 320-2012 ENTITLED STANDARD FOR PERFORMANCE RATED CROSS-LAMINATED TIMBER.
- 2. CLT PANELS MUST NOT BE MODIFIED IN THE FIELD WITHOUT WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
- 3. CLT GRADE=E3
- 4. PLY THICKNESS= 1 3/8 IN
- 5. MAJOR STRENTH DIRECTION ALLOWABLE STRESS: Fb= 1,200 PSI E1= 1,700,000 PSI Ft= 600 PSI Fc=1,400 PSI Fv=110 PSI
- MINOR STRENGTH DIRECTION ALLOWABLE STRESS: Fb= 350 PSI E= 900,000 PSI Ft= 150 PSI Fc- 475 PSI Fv= 110 PSI

Fs= 35 PSI

Fs=35 PSI

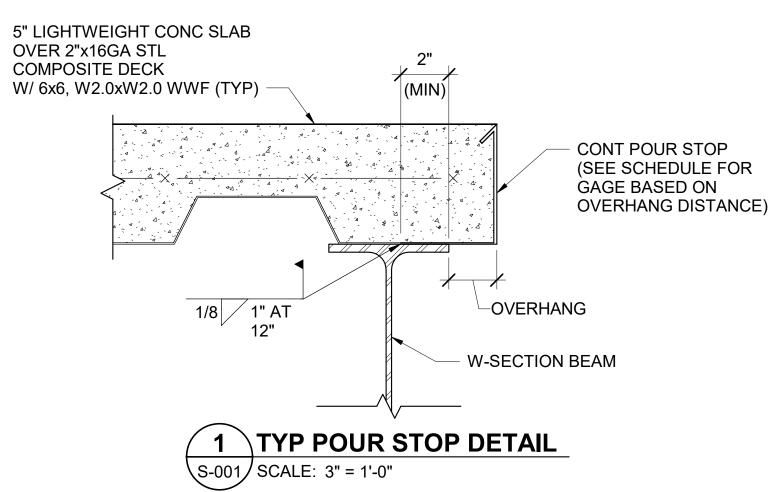
- WOOD FRAMING AND FASTENERS TO BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AND THE AMERICAN FOREST AND PAPER ASSOCIATION NATIONAL DESIGN SPECIFICATION (2015)(AFPA NDS).
- EACH PIECE OF LUMBER MUST BE "S-DRY" AND BEAR THE GRADE STAMP OF A GRADING RULES AGENCY APPROVED BY THE PS-20 "AMERICAN SOFTWOOD LUMBER STANDARDS COMMITTEE".
- MINIMUM STRUCTURAL PROPERTIES OF WOOD FRAMING ARE AS FOLLOWS: **ROOF RAFTERS:** SPRUCE-PINE-FIR NO. 2 OR BETTER WITH MINIMUM DESIGN VALUES: Fb=875 PSI, Fv=135 PSI, Ft=450 PSI, Fc , =1,150 PSI AND E=1,400,00 PSI. SPECIALTY TIMBER HEADER:
- WHITE OAK NO. 2 OR BETTER WITH MINIMUM DESIGN VALUES: Fb=600 PSI, Fv=205 PSI, Ft=400 PSI, Fc = 400 PSI AND E=800,00 PSI.
- PROVIDE NAILING (OTHER THAN ROOF DIAPHRAGM) IN ACCORDANCE WITH TABLE 2304.9.1 OF THE 2015 INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE.

ROOF SHEATHING AT CETA BUILDING IS DESIGNED TO ACT AS A DIAPHRAGM

- CONNECTION HARDWARE TO HAVE MINIMUM ALLOWABLE CAPACITIES AS INDICATED. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. DESIGN BASED ON SIMPSON STRONG TIE PRODUCTS ALTERNATE DESIGNS THAT MEET OR EXCEED THE REQUIRED DESIGN CAPACITIES ARE PERMITTED.
- 7. BOLT HEADS AND NUTS BEARING ON WOOD TO HAVE STANDARD CUT WASHERS. DRILL BOLT HOLES 1/32-INCH IN DIAMETER LARGER THAN BOLT DIAMETER.
- BASIS OF DESIGN FOR CLT CONNECTION HARDWARE IS BASED ON SIMPSON STRONG-TIE PRODUCTS. ALTERNATE PRODUCTS WITH EQUAL OR GREATER CAPACITIES ARE ACCEPTABLE. SUBMIT ALTERNATE PRODUCTS FOR REVIEW.

# MICROPILE NOTES

- LOCATION OF MICROPILES ARE INDICATED ON SHEET SB103.
- INCREASE MICROPILE DESIGN WALL THICKNESS BY 1/16-INCH TO ACCOUNT FOR CORROSION
- DEPTH OF DRILLED MICROPILE TO BE DETERMINED BY PILE INSTALLATION SUBCONTRACTOR. MINIMUM EMBEDMENT INTO SOLID BEDROCK IS 5'-0".
- SUBMIT MICROPILE INSTALLATION PLAN AND DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE FOR REVIEW PRIOR TO INSTALLATION OF PILES.
- MICROPILE CASING SHALL EXTEND AT LEAST 8" INTO THE PILE CAP WITH ADDITIONAL REINFORCING EMBEDMENT TO PROVIDE FULL BEARING CAPACITY AND NOMINAL TENSILE CAPACITY.
- PERFORM ONE ACCEPTABLE MICROPILE COMPRESSION LOAD TEST AND ONE TENSION LOAD TEST IN ACCORDANCE WITH ASTM D1143. DO NOT LOAD MICROPILES UNTIL THE CEMENT GROUT HAS ATTAINED ITS FULL DESIGN STRENGTH. PILE TEST LOCATION TO BE DETERMINED BY ENGINEER OF RECORD FOR THE DESIGN OF THE DRILLED PILE SYSTEM.
- PERFORM CONTINUOUS SPECIAL INSPECTIONS DURING PILE INSTALLATION OPERATIONS REFER TO SPECIFICATION SECTION 01 45 35 FOR REQUIREMENTS. SUBMIT INSPECTION REPORTS TO THE OWNER WITHIN 48 HOURS OF COMPLETING INSPECTION.



# TEMPORARY SHORING/BRACING NOTES FOR THE EXISTING BRICK MASONRY WALLS

- PROVIDE TEMPORARY SHORING/BRACING OF EXISTING PERIMETER UNREINFORCED MASONRY WALLS AND THE EXISTING PERIMETER BASEMENT FOUNDATION WALLS.
- SUBMIT TEMPORARY BRACING/SHORING PLANS AND DESIGN CALCULATIONS SIGNED AND SEALED BY THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION PRIOR TO START OF WORK.
- TEMPORARY BRACING/SHORING MUST BE DESIGNED FOR THE FOLLOWING FORCES:
  - A. WIND PRESSURES ACTING PERPENDICULAR TO THE EXISTING EXTERIOR WALLS (WITH EXISTING FLOOR FRAMING REMOVED) FOR THE WIND VELOCITY, RISK CATEGORY AND EXPOSURE INDICATED ON SHEET S-002. INTERNAL WIND PRESSURES MUST INCLUDE MODIFICATIONS TO EXTERNAL WIND PRESSURE COEFFICIENT C DUE TO ANY OPENINGS IN ROOF STRUCTURE MADE FOR INSTALLATION OF FRAMING. REDUCTION FOR SHORT TERM LOADING PER ASCE 37 MAY BE APPLIED.
  - SEISMIC FORCES ACTING PERPENDICULAR TO THE WALLS FOR THE GROUND ACCELERATIONS AND SITE CLASS INDICATED ON SHEET S-002.
- C EXISTING FLOOR DEAD LOAD AND CONSTRUCTION LIVE LOADS THAT MAY ACT ON SHORING/BRACING SYSTEM.
- DESIGN MUST INCLUDE ALL ASSOCIATED CONNECTIONS TO THE EXISTING WALLS AND ASSOCIATED TEMPORARY FOUNDATIONS OR ANCHORAGE POINTS WITH THE EXISTING
- DESIGN MUST INCLUDE METHODS OF PATCHING/REPAIRING WALLS AT CONNECTIONS POINTS TO MATCH EXISTING AS APPROVED BY THE OWNER.
- PREPARATION OF SHORING/BRACING PLAN MUST INCLUDE COORDINATION WITH THE DEMOLITION OF EXISTING FLOOR FRAMING AS INDICATED ON SHEETS D-101, D-102, D-201, AND
- TEMPORARY BRACING/SHORING PLAN MUST INCLUDE THE SEQUENCE OF THE ERECTION OF TEMPORARY SHORING/BRACING AND SEQUENCE OF DEMOLITION OF EXISTING FLOOR FRAMING.
- INSTALLATION OF TEMPORARY SHORING/BRACING MUST BE COORDINATED WITH INSTALLATION OF FLOOR FRAMING INCLUDING CROSS LAMINATED TIMBER FLOORS/TOPPING SLABS AND ANCHORAGE TO PERIMETER UN-REINFORCED MASONRY
- CROSS LAMINATED TIMBER FLOORS/TOPPING SLABS AND ASSOCIATED ANCHORAGE TO PERIMETER UN-REINFORCED MASONRY WALLS WILL PROVIDE PERMANENT BRACING OF THE
- DEMOLITION OF EXISTING FRAMING MUST NOT START UNTIL TEMPORARY SHORING/BRACING
- 11 DEMOLITION OF EXISTING FRAMING MUST NOT START UNTIL TEMPORARY SHORING/BRACING INSTALLATION HAS BEEN REVIEWED AND APPROVED BY THE BRACING/SHORING ENGINEER OF RECORD
- 12. TEMPORARY SHORING/BRACING MUST REMAIN IN PLACE UNTIL PERMANENT WALL BRACING IS IN PLACE AS APPROVED BY THE BRACING/SHORING ENGINEER OF RECORD AND OWNER.

# **GENERAL NOTES**

- PROVIDE TEMPORARY SUPPORT OF FRAMING DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
- COORDINATE THE LOCATION OF CONCRETE AND STEEL MEMBERS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, FIRE PROTECTION, SECURITY, COMMUNICATIONS, AND ELECTRICAL PLANS AND DETAILS.

PLAN HAS BEEN REVIEWED AND APPROVED BY THE OWNER

- COORDINATE THE REQUIRED TESTS AND INSPECTIONS THAT ARE TO BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF COMPLETED WORK. MATERIAL PLACED WITHOUT THE REQUIRED QUALITY CONTROL TESTS OR REQUIRED INSPECTIONS BEING PERFORMED WILL NOT BE ACCEPTED. TESTS AND INSPECTIONS PERFORMED BY OWNER'S INSPECTION/TESTING AGENCY.
- CONSTRUCTION IS SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2015. NOTIFY THE OWNER OF IDENTIFIED DEFICIENCIES. NOTIFY THE OWNER AFTER DEFICIENCIES HAVE BEEN CORRECTED.
- NO DEVIATIONS FROM CONTRACT DRAWINGS ARE PERMITTED

2. INCREASE SPLICE LENGTH BY 1.3 FACTOR

FOR HORIZONTAL REINFORCEMENT WITH

**REVISIONS** 

MORE THAN 12" OF FRESH CONRETE

CAST BELOW.

REFER TO CIVIL DRAWINGS REGARDING INFORMATION AND LIMITATIONS PERTINENT TO SITE SUBSURFACE SOIL CONDITIONS.

#### REINFORCED CONCRETE POUR STOP REINFORCING STEEL SCHEDULE LAP SPLICE SCHEDULE **BAR SIZE** MINIMUM LAP LENGTH OVERHANG (IN) 2'-5" 0-1 3'-0" 2-3 3'-0" 4-5 3'-9" 4'-6" 8-9 10-11 <u>NOTES:</u> LAP SPLICE LENGTH MUST BE AS SHOWN SEE DETAIL 1/S-001 ABOVE UNLESS NOTED OTHERWISE.

**GRAPHIC SCALE** 6" 4" 2" 0 3"=1'-0"

231 Main Street, Biddeford, Maine 04005

CHECK GRAPHIC SCALE BEFORE USING

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GAGE

20

12

DEPARTMENT OF INLAND FISHERIES & WILDLIFE NEW OFFICE HEADQUARTERS DAVID N. MARTIN AUGUSTA, ME STRUCTURAL NOTES "SSIONAL OAK POINT DAK DRAWING NO. DRAWN BY: MJC ASSOCIATES S-001 CHECK BY: DNM SHEET NO. NO. DATE DESCRIPTION

DATE 01/29/2025

#### STRUCTURAL ABBREVIATIONS:

PLUS OR MINUS ANGLE ACI AMERICAN CONCRETE INSTITUTE ARCHITECTURAL EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR AMERICAN IRON AND STEEL INSTITUTE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AITC ALT ALTERNATE AMERICAN PLYWOOD ASSOCIATION **ARCH** ARCHITECTURAL AMERICAN SOCIETY OF CIVIL ENGINEERS AMERICAN SOCIETY FOR TESTING ASTM AND MATERIALS AMERICAN WELDING SOCIETY BOTTOM OF GRADE BEAM ELEVATION BRACED FRAME BOTTOM OF FOOTING ELEVATION BLDG BUILDING **BASE PLATE** BOTTOM OF PILE CAP ELEVATION BSE BRICK/BLOCK SHELF ELEVATION CF COMBINED FOOTING CONTROL JOINT CENTERLINE CEILING CROSS LAMINATED TIMBER CLT CMU CONCRETE MASONRY UNIT COL COLUMN CONCRETE CONC CONNECTION CONT CONTINUOUS DIA DIAMETER DWG DRAWING MODULUS OF ELASTICITY EACH **EXPANSION JOINT ELECTRICAL ELEC** ELEVATION ELEV EOD **EDGE OF DECK** EOS EDGE OF SLAB EQ EQUAL **EQUIPMENT EQUIP EXIST EXISTING** EXT **EXTERIOR** CONCRETE COMPRESSIVE STRENGTH MASONRY COMPRESSIVE STRENGTH F'm FND FOUNDATION FTG FOOTING GAUGE GALV GALVANIZED GYP BD GYPSUM BOARD HGT HEIGHT HORIZ HORIZONTAL HSS HOLLOW STRUCTURAL SECTION IBC INTERNATIONAL BUILDING CODE

INCH

KIPS

INVERT

POUNDS

MAXIMUM

MINIMUM

METAL

NUMBER

ON CENTER OPENING

REINFORCED

TOP OF STEEL

**WORKING POINT** 

WELDED WIRE FABRIC

REQUIRED

SIMILAR

TYPICAL

WITH

VERTICAL

STEEL

MECHANICAL

MOMENT FRAME

MANUFACTURER

MASONRY OPENING

MILES PER HOUR

NOT APPLICABLE

POUNDS PER CUBIC FOOT

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH RESEARCH COUNCIL ON

STRUCTURAL CONNECTIONS

SUSPENDED ACOUSTICAL TILE

THE MASONRY SOCIETY

TOP OF PIER ELEVATION

TOP OF SHELF ELEVATION

TOP OF WALL ELEVATION

INSULATION

KIPS PER SQUARE INCH

INSUL

KSI

LBS

MAX

MIN

MO

MPH

MTL

NA

OC

PCF

PSF

PSI

REINF

REQ'D

SAT

SIM

STL

TOS

TPE

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TWE

TYP

**VERT** 

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A. VERTICAL ELEMENTS - REINFORCED CONCRETE MASONRY

B. HORIZONTAL ELEMENTS - COMPOSITE STEEL DECK AND CONCRETE SLAB DIAPHRAGMS.

C. COLLECTOR ELEMENTS - BEAMS WHERE INDICATED.

BUILDING DESIGN LOADS (EXISTING BUILDING)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015 GROUND SNOW LOAD (Pg) = 70 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0 SNOW LOAD THERMAL FACTOR (Ct) = 1.1 SNOW LOAD IMPORTANCE FACTOR (I) = 1.00

BALANCED ROOF SNOW LOAD (Pf) = 56 PSF SNOW DRIFTING (Pd) = VARIES, SEE SHEET S-005

ROOF DEAD LOAD = 18 PSF

FLOOR DEAD LOAD = 58 PSF

FLOOR LIVE LOADS: OFFICE = 50 PSF + 15 PSF (PARTITIONS) FIRST FLOOR CORRIDOR = 100 PSF SECOND FLOOR CORRIDOR = 80 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED V<sub>ULT</sub> = 109 MPH BASIC WIND SPEED V<sub>ASD</sub>= 85 MPH WIND RISK CATEGORY = II WIND EXPOSURE = EXPOSURE C BUILDING TYPE = "ENCLOSED" WIND DESIGN PRESSURE: MAIN WIND FORCE RESISTING SYSTEM = 30 PSF (MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317 ONE SECOND SPECTRAL RESPONSE ACCELERATION (S<sub>1</sub>) = 0.078 OCCUPANCY CATEGORY = II SEISMIC DESIGN CATEGORY = B SEISMIC IMPORTANCE FACTOR = 1.00 SITE CLASS = D

TOTAL BASE SHEAR = 217 KIPS **BASIC STRUCTURAL SYSTEM** 

INTERMEDIATE REINFORCED CONCRETE MASONRY SHEAR WALLS RESPONSE MODIFICATION COEFFICIENT (R) = 3.50 DEFLECTION AMPLIFICATION FACTOR (Cd) = 2.25 SYSTEM OVER STRENGTH FACTOR ( $\Omega$  o) = 2.50 STEEL BRACED FRAMES (NOT DETAILED) RESPONSE MODIFICATION COEFFICIENT (R) = 3.00 DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00 SYSTEM OVER STRENGTH FACTOR ( $\Omega$  o) = 3.00

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

MECHANICAL EQUIPMENT MAXIMUM WEIGHTS USED IN DESIGN: MAXIMUM MECHANICAL UNIT DEAD LOAD MUST NOT EXCEED 50 POUNDS PER SQUARE FOOT (PSF).

NOTES:

1. SEISMIC LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING:

SHEAR WALLS AND STEEL BRACED FRAMES (NOT DETAILED).

BUILDING DESIGN LOADS (NEW BUILDINGS)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015 GROUND SNOW LOAD (Pg) = 70 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0 SNOW LOAD THERMAL FACTOR (Ct) = 1.1 SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

BALANCED ROOF SNOW LOAD (Pf) = 56 PSF SNOW DRIFTING (Pd) = VARIES, SEE SHEET S-005

ROOF DEAD LOAD = 18 PSF

FLOOR DEAD LOAD = 58 PSF FLOOR LIVE LOADS: OFFICE = 50 PSF + 15 PSF (PARTITIONS) STORAGE = 125 PSF FIRST FLOOR CORRIDOR = 100 PSF SECOND FLOOR CORRIDOR = 80 PSF

WIND LOAD ASCE 7-10/IBC 2015 BASIC WIND SPEED V<sub>ULT</sub> = 109 MPH BASIC WIND SPEED V<sub>ASD</sub>= 85 MPH WIND RISK CATEGORY = II WIND EXPOSURE = EXPOSURE C BUILDING TYPE = "ENCLOSED" WIND DESIGN PRESSURE: MAIN WIND FORCE RESISTING SYSTEM = 24 PSF (MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317 ONE SECOND SPECTRAL RESPONSE ACCELERATION (S<sub>1</sub>) = 0.078 OCCUPANCY CATEGORY = II SEISMIC DESIGN CATEGORY = B SEISMIC IMPORTANCE FACTOR = 1.00 SITE CLASS = D TOTAL BASE SHEAR = 295 KIPS (SOUTH ADDITION) 46 KIPS (NORTH ADDITION)

**BASIC STRUCTURAL SYSTEM** 

INTERMEDIATE REINFORCED CONCRETE MASONRY SHEAR WALLS RESPONSE MODIFICATION COEFFICIENT (R) = 3.50 DEFLECTION AMPLIFICATION FACTOR (Cd) = 2.25 SYSTEM OVER STRENGTH FACTOR ( $\Omega$  o) = 2.50 CROSS LAMINATED TIMBER SHEAR WALLS RESPONSE MODIFICATION COEFFICIENT (R) = 3.00 DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00 SYSTEM OVER STRENGTH FACTOR ( $\Omega$  o) = 3.00

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

MECHANICAL EQUIPMENT MAXIMUM WEIGHTS USED IN DESIGN:

MAXIMUM MECHANICAL UNIT DEAD LOAD MUST NOT EXCEED 50 POUNDS PER SQUARE FOOT (PSF).

NOTES: 1. SEISMIC LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING:

A. VERTICAL ELEMENTS - REINFORCED CONCRETE MASONRY SHEAR WALLS AND CROSS LAMINATED TIMBER SHEAR WALLS.

HORIZONTAL ELEMENTS - CROSS LAMINATED TIMBER DIAPHRAGMS.

C. COLLECTOR ELEMENTS - BEAMS AND HORIZONTAL BRACES WHERE INDICATED.

BUILDING DESIGN LOADS (BRIDGE)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015 GROUND SNOW LOAD (Pg) = 70 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0 SNOW LOAD THERMAL FACTOR (Ct) = 1.2 SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

BALANCED ROOF SNOW LOAD (Pf) = 44 PSF

DEAD LOAD = 70 PSF

LIVE LOADS = 100 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED V<sub>ULT</sub> = 109 MPH BASIC WIND SPEED V<sub>ASD</sub>= 85 MPH WIND RISK CATEGORY = II WIND EXPOSURE = EXPOSURE C BUILDING TYPE = "ENCLOSED" WIND DESIGN PRESSURE: MAIN WIND FORCE RESISTING SYSTEM = 30 PSF (MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015 SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317 ONE SECOND SPECTRAL RESPONSE ACCELERATION (S<sub>1</sub>) = 0.078 OCCUPANCY CATEGORY = II SEISMIC DESIGN CATEGORY = B SEISMIC IMPORTANCE FACTOR = 1.00 SITE CLASS = D TOTAL BASE SHEAR = 11 KIPS

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

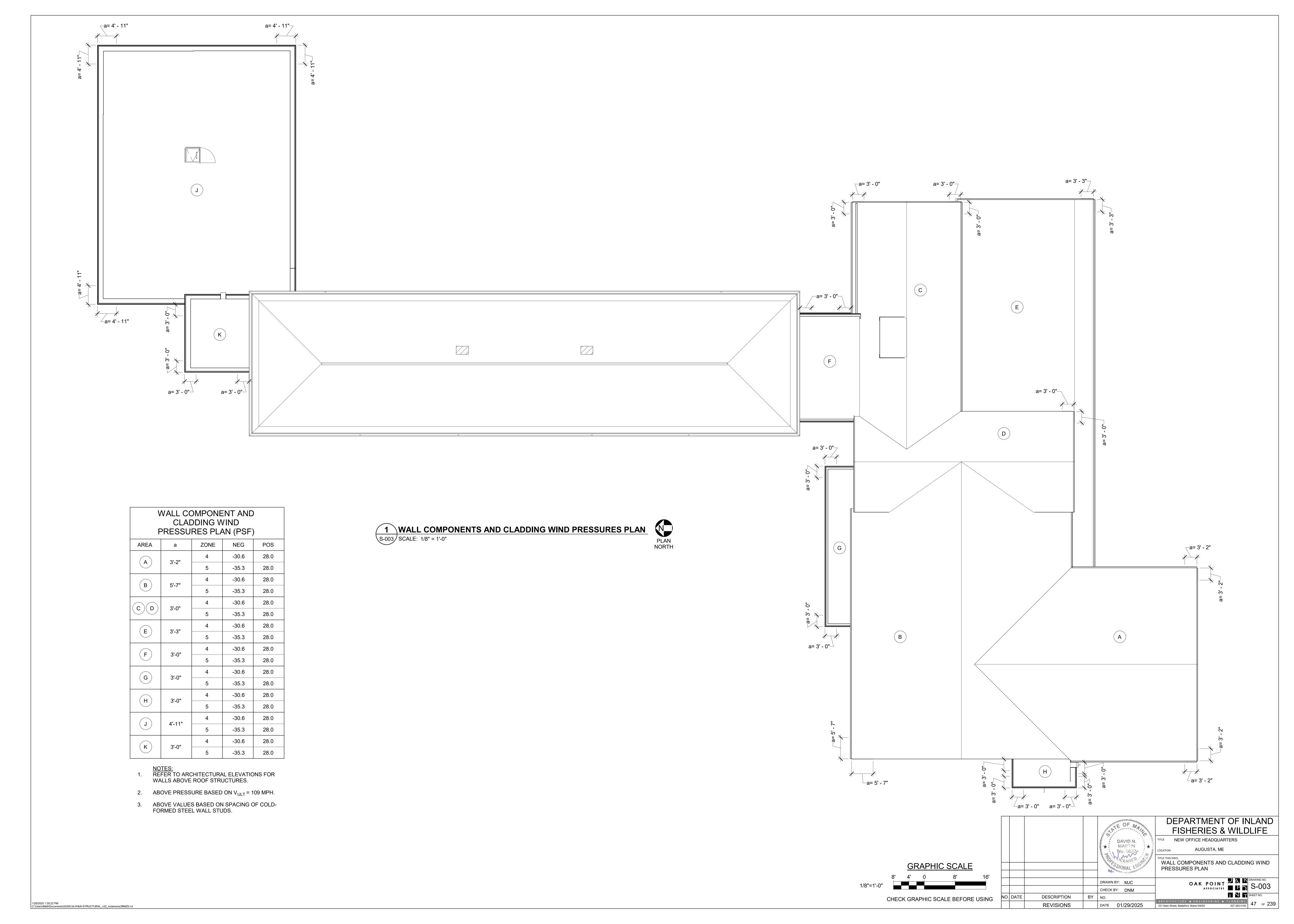
DEPARTMENT OF INLAND FISHERIES & WILDLIFE NEW OFFICE HEADQUARTERS AUGUSTA, ME STRUCTURAL DESIGN LOADS AND SSIONAL Y ABBREVIATIONS OAK POINT DAM BRAWING NO.

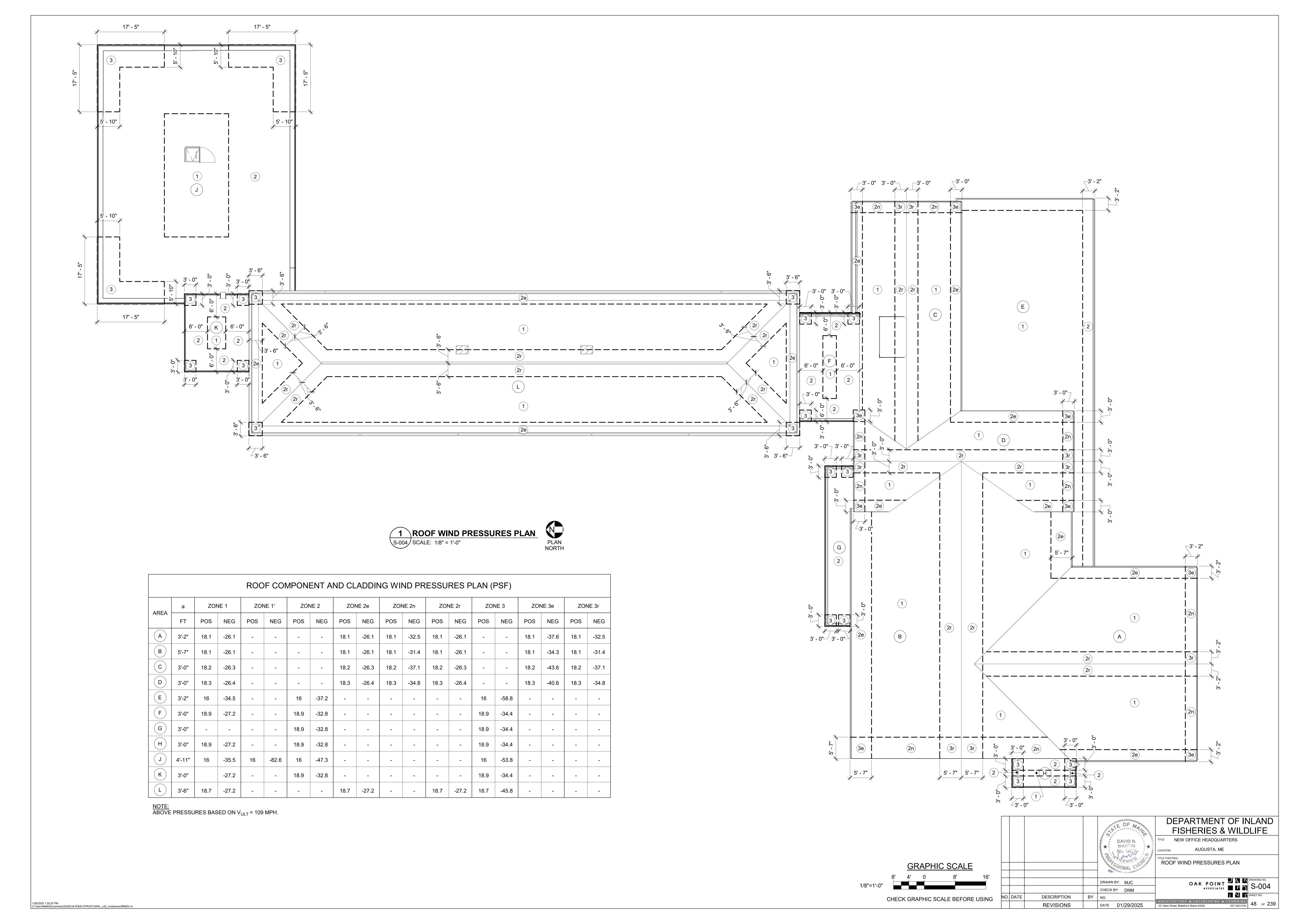
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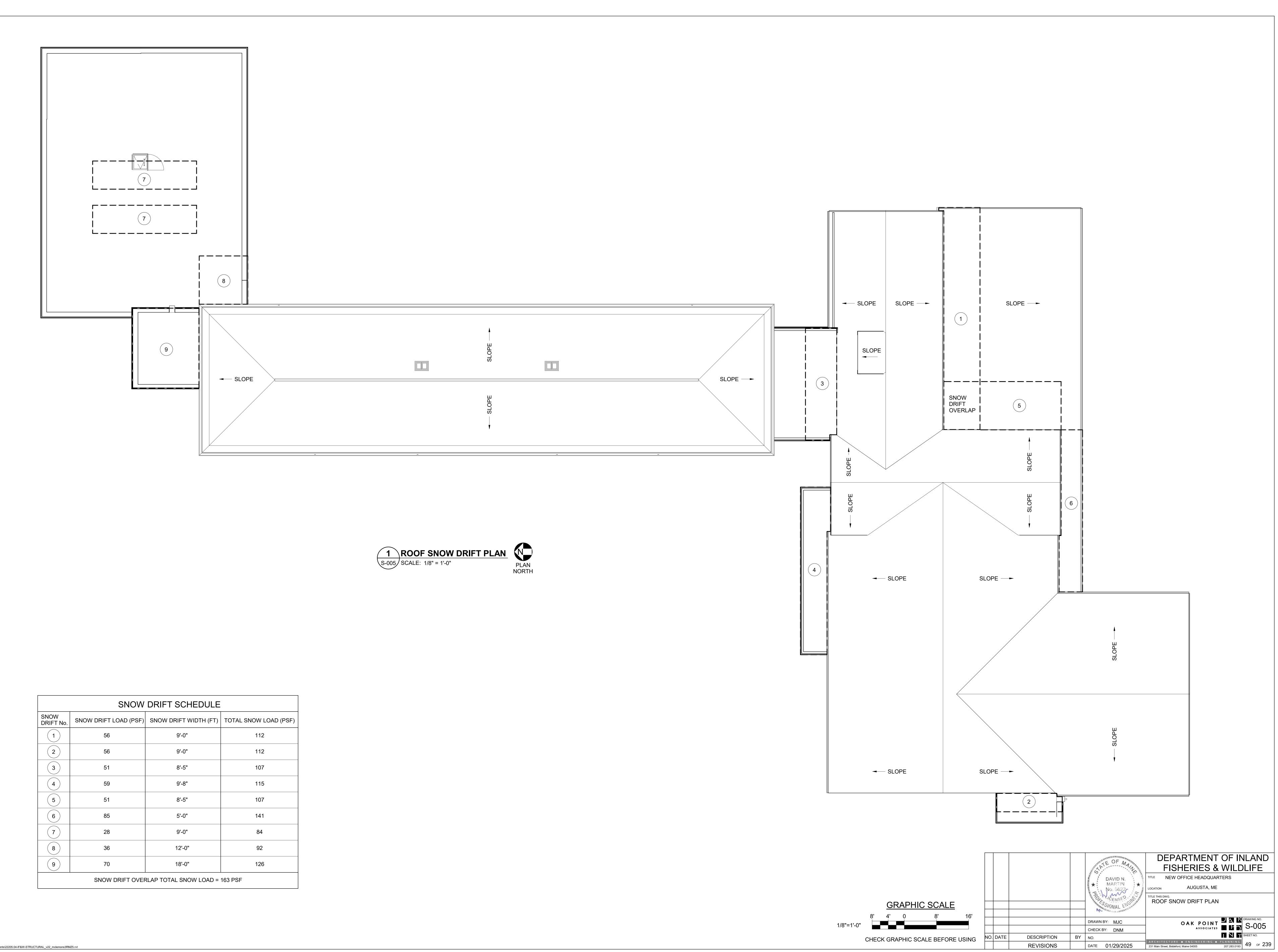
231 Main Street, Biddeford, Maine 04005

DATE 01/29/2025

REVISIONS







REVISIONS

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