

GENERAL NOTES

1. **GENERAL:**
- A. CONTRACTOR WILL PROVIDE ALL MATERIALS AND LABOR TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND LOCAL CODES AND REGULATIONS, INCLUDING IBC 2003.
 - B. CARE SHALL BE TAKEN WHEN WORKING WITH OR AROUND ALL EXISTING BUILDING COMPONENTS, UTILITIES OR MATERIALS. DAMAGE TO EXISTING ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - C. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH UTILITY COMPANIES, CITY OF PORTLAND AND SUBCONTRACTORS PERFORMING RELATED WORK.
 - D. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION BY THE CONTRACTOR.
 - E. RESTORE ALL PAVED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH CONDITION. EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE ENFORCED.
 - F. LAYOUT OF THE PERMANENT STRUCTURES WILL BE DONE BY THE CONTRACTOR. ALLOW SUFFICIENT TIME FOR THE ENGINEER TO REVIEW THE LAYOUT PRIOR TO COMMENCING WORK (ONE DAY MINIMUM).
2. **CIVIL/SITE:**
- A. EXISTING CONDITIONS BASE MAP WAS COMPILED FROM SURVEY DATA PROVIDED BY THE CITY OF PORTLAND DPW ENGINEERING OFFICE, SURVEY DATE OF MARCH 2006.
 - B. VERTICAL DATUM IS IN REFERENCE TO CITY DATUM. CITY DATUM IS +0.02 FT NGVD 1929. PLANS DISPLAY ONE FOOT CONTOUR INTERVALS. HORIZONTAL DATUM IS IN REFERENCE TO STATE PLANE MAD 1983 (FEET), MAINE WEST ZONE.
 - C. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES, CITY AND DEPARTMENT. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES.
 - D. UTILITIES EXIST THAT ARE NOT IDENTIFIED ON PLANS. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK, ALLOWING SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF BURIED UTILITIES. CONTRACTOR SHALL CONTACT "DIG SAFE", TELEPHONE 888-344-7233, PRIOR TO EXCAVATION. FEES FOR UTILITY LOCATING SERVICES SHALL BE INCIDENTAL TO THE CONTRACT BID PRICE.
 - E. RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC.) UNLESS OTHERWISE NOTED ON PLANS. RESTORATION OF PAVED SURFACES, GRAVEL SURFACES, DRIVEWAYS, AND LAWNS DAMAGED BY CONTRACTOR SHALL BE INCIDENTAL TO THE PROJECT. COST SHALL BE INCIDENTAL TO THE PROJECT.
 - F. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS NOT INDICATED ON THE DRAWINGS FOR REMOVAL. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE, BY A REGISTERED LAND SURVEYOR APPROVED BY THE CITY.
 - G. EXISTING FACILITIES (POSTS, SIGNS, FENCES, ETC...) NOT INDICATED TO BE DEMOLISHED BUT REQUIRING RELOCATION DURING CONSTRUCTION SHALL BE REMOVED AND PROTECTED DURING CONSTRUCTION. CITY RETAINS RIGHT TO KEEP ANY AND ALL REMOVED FACILITIES. CONTRACTOR TO DISPOSE OF ANY REMOVED FACILITY AT THE REQUEST OF CITY AT CONTRACTOR'S EXPENSE.
 - H. DO NOT PARK, IMPEDE ACCESS TO, OR STORE EQUIPMENT ON ADJACENT CITY OR PRIVATELY OWNED LOTS, UNLESS PERMISSION HAS BEEN GRANTED IN WRITING BY CITY, OR LAND OWNER.
 - I. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH CITY AT LEAST TWO DAYS (48 HOURS) PRIOR TO DISRUPTION. ALL UTILITY COORDINATION IS RESPONSIBILITY OF CONTRACTOR.
 - J. RESTRICT ACCESS TO SITE THROUGH THE USE OF APPROPRIATE SIGNAGE, GATES, BARRIERS, FENCES, ETC. SITE SHALL BE LEFT WITH APPROPRIATE SAFETY MEASURES IN PLACE DURING NON-WORKING HOURS. NO TRENCH SHALL BE LEFT OPEN DURING NON-WORKING HOURS. THE RESPONSIBILITY IS THE RESPONSIBILITY OF CONTRACTOR, DURING BOTH WORKING AND NON-WORKING HOURS.
 - K. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING AND CONSTRUCTION PERMITS. PERMIT APPLICATIONS SHALL BE SUBMITTED WITH ADEQUATE TIME SO AS NOT TO DELAY CONSTRUCTION.
 - L. ALL WORK ASSOCIATED WITH THE PROJECT SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLES VI, VII, AND IX OF CHAPTER 25-STREETS, SIDEWALKS AND OTHER PUBLIC PLACES OF THE CITY OF PORTLAND CODE OF ORDINANCES.

3. **FOUNDATIONS:**
- A. CONTRACTOR SHALL PROVIDE AND SUBMIT A COMPLETE FOUNDATION DESIGN SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN MAINE. BEFORE CONSTRUCTION OF THE FOUNDATION, CONTRACTOR SHALL OBTAIN ACTUAL FOUNDATION LOADS FROM BUILDING SUPPLIER. DESIGN SHALL BE BASED ON ACTUAL VERTICAL AND HORIZONTAL LOADS PROVIDED BY BUILDING SUPPLIER.
 - B. DEPTH OF EXCAVATION FOR FOOTING AND FLOOR SLAB SHALL BE IN ACCORDANCE WITH S.W. COLE ENGINEERING, INC. REPORT 05-1416
 - C. FOOTING AND FLOOR SLAB SHALL BE SUPPORTED ON STRUCTURAL FILL IN ACCORDANCE WITH S.W. COLE ENGINEERING, INC. REPORT 05-1416.
 - D. ALL EXTERIOR FILL BEHIND THE WALLS SHALL BE COMPACTED TO MINIMUM 93% OF MAXIMUM DRY DENSITY. FILL WHICH SUPPORTS THE SLAB SHALL BE COMPACTED TO 95% MINIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
 - E. WHERE EARTH FILL IS REQUIRED ON BOTH SIDES OF WALL, FILL SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDES.
 - F. TOP OF FOOTING (T.O.F.) SHALL BE MINIMUM 3.5 FEET BELOW FINISHED GRADE.
 - G. CONTRACTOR TO VERIFY ALL DOOR OPENINGS AND ANCHOR BOLT LOCATIONS IN CONCRETE WALL WITH PRE-ENGINEERED BUILDING SUPPLIER.
 - H. THE CONCRETE FOUNDATION WALL SHALL EXTEND ABOVE THE FINISHED FLOOR AROUND THE PERIMETER OF THE BUILDING A MINIMUM OF 8".
4. **REINFORCED CONCRETE:**
- A. GENERAL CONCRETE DESIGN IS IN ACCORDANCE WITH A.C.I. 318, LATEST DESIGN MANUAL.
 - B. CONCRETE SHALL HAVE MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 - C. REINFORCING STEEL - ASTM A615 GRADE 60.
 - D. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH A.C.I. 315, LATEST DETAILING MANUAL.
 - E. UNLESS OTHERWISE SHOWN, PROVIDE CONCRETE PROTECTION FOR ALL REINFORCING IN ACCORDANCE WITH A.C.I. 318 LATEST DESIGN MANUAL.
 - F. ALL REINFORCEMENT SHALL BE TREATED AS TENSION REINFORCEMENT, UNLESS OTHERWISE NOTED.
 - G. PROVIDE 3/4" CHAMFER ON EXPOSED EDGES OF CONCRETE.
 - H. ALL EMBEDDED ITEMS MUST BE INSTALLED AND SECURELY FASTENED PRIOR TO PLACING CONCRETE.
 - I. INTERIOR FLOOR FINISH: STEEL TROWEL FINISH - SHALL RECEIVE LIQUID FLOOR HARDENER.
 - J. SUBMIT FOR ENGINEER'S REVIEW ISOLATION AND CONTROL JOINT LAYOUT AS WELL AS SLAB D FOUNDATION REINFORCING RECOMMENDED BY THE FOUNDATION DESIGNER
5. **PRE-ENGINEERED BUILDING:**
- A. ALL BUILDING FOUNDATION AND SUPERSTRUCTURE DESIGN SHALL BE PROVIDED BY THE CONTRACTOR AND METAL BUILDING SUPPLIER/MANUFACTURER. DESIGN DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A MAINE PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
 - B. ALL BUILDING FRAMES ARE RIGID FRAMES WITH CLEAR SPANS AND COLUMN LOCATIONS AS SHOWN ON THE DRAWINGS.
 - C. THE OVERALL FINISH DIMENSIONS OF THE BUILDING SHOULD BE APPROXIMATELY 31' x 105' WHICH IS COMPRISED OF FIVE 21' BAYS. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS OF BUILDING AND BAYS WITH BUILDING MANUFACTURER TO ENSURE TO PROPER FOUNDATION DIMENSIONS.
 - D. ANCHOR BOLT DESIGN IS THE RESPONSIBILITY OF THE BUILDING SUPPLIER.
 - E. PROVIDE FIBERGLASS INSULATION IN ROOF AND WALLS AS SPECIFIED AND SHOWN ON DRAWINGS. INSULATION SYSTEM TO BE INSTALLED IN A MANNER WHICH DOES NOT PINCH THE INSULATION BETWEEN METAL SHEATHING AND FRAMES AT FASTENERS.
 - F. BUILDING CLASSIFICATION GROUP S-1, MODERATE-HAZARD STORAGE

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ABBREVIATIONS

&	AND	NET	NEW ENGLAND TELEPHONE
A.G.	ABOVE GROUND	NO.	NUMBER
ADS	ADVANCED DRAINAGE SYSTEM	NR	NO REFUSAL
ALUM.	ALUMINUM	N.T.S.	NOT TO SCALE
B	BORING	O.C.E.W.	ON CENTER EACH WAY
BIT.	BITUMINOUS	O.D.	OUTSIDE DIAMETER
BK	BOOK	OH	OVERHEAD
BM	BENCHMARK	U.N.O.	UNLESS NOTED OTHERWISE
CK.	CHECKED	±	PLUS OR MINUS
OMP	CENTRAL MAINE POWER	PLS	PROFESSIONAL LAND SURVEYOR
CONC	CONCRETE	PSI	PER SQUARE INCH
D.I.	DUCTILE IRON	PSIG	PER SQUARE INCH GAUGE PRESSURE
DES.	DESIGNED	PVC	POLYVINYL CHLORIDE
DIA.	DIAMETER	R.O.W.	RIGHT-OF-WAY
DR.	DRAWN	R/W	RIGHT-OF-WAY
E	EAST	RCP	REINFORCED CONCRETE PIPE
EL.	ELEVATION	REINF.	REINFORCED
ELEC.	ELECTRICAL	REQ'D	REQUIRED
EMBED.	EMBEDDMENT	RET	RETAINING
EX.	EXISTING	RLS	REGISTERED LAND SURVEYOR
FF	FINISH FLOOR	RT	ROUTE
FIN.	FINISH	RTE	ROUTE
FL	FLOOR	S	SLOPE
FT	FOOT/FEET	S.S.	STAINLESS STEEL
GALV.	GALVANIZED	SCH	SCHEDULE
GRND	GROUND	SDR	STANDARD DIMENSION RATIO
H	HEIGHT	STA.	STATION
HWY	HIGHWAY	TYP.	TYPICAL
IN	INCH	UC	UNDERGROUND CABLE
INV.	INVERT	W	WATER
LF	LINEAR FEET	W	WEST
MAX.	MAXIMUM	W/	WITH
MDOT	MAINE DEPARTMENT OF TRANSPORTATION	WV	WATER VALVE
MH	MANHOLE		
MIN.	MINIMUM		
MJ	MECHANICAL JOINT		
MON	MONUMENT		
MPH	MILES PER HOUR		

LEGEND

CAPPED IRON REBAR FOUND	○ ORF
MAG NAIL SET	▲ MAGS
PK NAIL SET	▲ PKs
BUILDING CORNER	⊞
TREE STUMP	⊙
FIRE HYDRANT	⊗
WATER VALVE	⊗
UTILITY POLE	⊗
PROPERTY LINE	-----
EDGE OF PAVEMENT	-----
CONTOUR LINE	-----
TREE LINE	~~~~~
CHAIN LINK FENCE	-----
STOCKADE FENCE	-----
UNDERGROUND ELECTRIC LINE	----- E
OVERHEAD ELECTRIC LINE	----- OE
REFERENCE TO CITY PLAN	###/##
DIMENSION AS MEASURED FROM SURVEY OBSERVATIONS	M.

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LEGEND, NOTES, SHEET INDEX AND ABBREVIATIONS

CITY OF PORTLAND, MAINE
PUBLIC BUILDINGS DIVISION
EVERGREEN CEMETERY
GARAGE REPLACEMENT

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G-01