

CIVIL NOTES:

GENERAL

- REPAIR OR REPLACE DAMAGE RESULTING FROM CONTRACTOR OPERATIONS, AS APPROVED BY THE OWNER, AT NO ADDITIONAL COST TO THE OWNER.
- DO NOT PLACE, PUT OR DUMP CONSTRUCTION MATERIALS OR DEMOLITION DEBRIS IN AREAS THAT COULD ADVERSELY IMPACT THE SURROUNDING WETLAND AREAS OR CAPSIC BROOK AND ASSOCIATED TRIBUTARIES. LOCATIONS OF THESE WETLANDS AND BROOK/TRIBUTARIES ARE INDICATED ON ALL CIVIL DRAWINGS CONTAINED HEREIN
- INFORMATION SHOWN HEREON IS BASED ON THE FOLLOWING:
 - "BOUNDARY AND TOPOGRAPHIC SURVEY, HALL SCHOOL" BY OWEN HASKELL, INC. 390 US ROUTE 1, FALMOUTH, ME. DATED FEBRUARY 14, 2013. LAST REVISED 10/5/15. THIS PLAN ALSO INCLUDES TOPOGRAPHIC AND RIGHT-OF-WAY INFORMATION FOR THE VICINITY OF RIGGS STREET AND LOMOND STREET.
 - SITE RECONNAISSANCE PERFORMED BY OAK POINT ASSOCIATES IN SPRING, 2013 AND BETWEEN SPRING 2014 AND SUMMER, 2016.
 - INFORMATION PROVIDED BY THE CITY OF PORTLAND BETWEEN SPRING, 2012 AND WINTER, 2016.
 - INFORMATION PROVIDED BY THE PORTLAND WATER DISTRICT BETWEEN SPRING, 2012 AND WINTER, 2016.
 - INFORMATION PROVIDED BY UNITIL IN SUMMER, 2016.
- PROPERTY LINES SHOWN ARE BASED ON PLAN REFERENCE 4a ABOVE.
- WETLANDS SHOWN HEREON ARE BASED ON A WETLAND DELINEATION PERFORMED IN 2013 STATEWIDE SURVEYS, INC. 35 EASTMAN ROAD, CAPE ELIZABETH, MAINE, 04107.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE CITY OF PORTLAND DATUM. THE PROJECT BENCHMARK IS A 3' OFFSET MONUMENT AT THE CORNER OF RIGGS STREET AND WARWICK STREET. ELEVATION: 63.61' (AS INDICATED IN THE OWEN HASKELL SURVEY REFERENCED ABOVE).
- EXISTING BENCHMARK INFORMATION:
 - TBM1 IS A 3' OFFSET BRASS MONUMENT AT THE INTERSECTION OF RIGGS AND WARWICK STREET REFERENCED ABOVE. BENCHMARK ELEVATION: 63.31'
 - TBM2 IS THE FRONT BONNET BOLT ON FIRE HYDRANT ON THE WEST SIDE OF WARWICK STREET. BENCHMARK ELEVATION: 67.15'
 - TBM3 IS A SPIKE IN LIGHT POLE #13.2, NEAR THE END OF ORONO ROAD. BENCHMARK ELEVATION: 67.16'
- BENCH MARKS A AND C LISTED ABOVE WILL BE DISTURBED/REMOVED DURING CONSTRUCTION ACTIVITIES. ESTABLISH ADDITIONAL PROJECT BENCHMARKS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES THAT WILL DISTURB EXISTING BENCHMARKS.
- BEARINGS AND NORTH ROTATION ARE BASED ON GRID NORTH, NAD83 (1983 WEST ZONE), COORDINATES SHOWN HEREON ARE ON THE CITY OF PORTLAND COORDINATE DATUM AND ARE BASED ON THE FOLLOWING:
 - A MONUMENT AT THE NORTHWEST CORNER OF RIGGS STREET AND WARWICK STREET - NORTHING: 307003.83, EASTING: 2912964.02
 - A MONUMENT NEAR THE SOUTHEAST CORNER OF THE HALL SCHOOL PROPERTY WHERE IT TOUCHES WARWICK STREET (±107' SOUTH OF ORONO ROAD) - NORTHING: 307514.39, EASTING: 2913086.18
- THIS PROJECT IS SUBJECT TO THE FOLLOWING PERMITS, WHICH HAVE BEEN OBTAINED BY THE OWNER/ARCHITECT. KNOWN CONDITIONS OF THE PERMITS HAVE BEEN INCLUDED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. ABIDE BY CONDITIONS OF THESE PERMITS:
 - MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION "SITE LOCATION OF DEVELOPMENT"
 - NATURAL RESOURCES PROTECTION ACT, TIER I (FOR WETLAND IMPACTS LESS THAN 14,999 SQUARE FEET).
 - MAINE GENERAL CONSTRUCTION PERMIT (MGCP).
 - CITY OF PORTLAND LEVEL III SITE PLAN APPROVAL.
 - CITY OF PORTLAND CONDITIONAL USE PERMIT.
- OBTAIN ADDITIONAL PERMITS NECESSARY FOR CONSTRUCTION. THESE PERMITS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - CITY OF PORTLAND STREET OPENING PERMIT.
- REVIEW MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION SITE LOCATION OF DEVELOPMENT APPROVAL AND CONDITIONS (PROVIDED IN THE PROJECT SPECIFICATIONS). PRIOR TO COMMENCING ANY SITEWORK, PROVIDE A SIGNED COPY OF THE CERTIFICATION FORM INCLUDED IN THE PROJECT SPECIFICATIONS TO THE ARCHITECT FOR FILING WITH THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- PERFORM WORK WITHIN PUBLIC RIGHT OF WAYS (LOMOND STREET, ORONO ROAD, PURCHAS STREET, RIGGS STREET, AND WARWICK STREET) IN ACCORDANCE WITH CITY OF PORTLAND'S WRITTEN REQUIREMENTS.

UTILITY NOTES:

- EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY AND ARE BASED ON FIELD RECONNAISSANCE, PLAN REFERENCES AND SUBSURFACE UTILITY LOCATION. 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 1-866-658-6344, 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.
- PROVIDE ADEQUATE NOTIFICATION TO UTILITY COMPANIES PRIOR TO PERFORMING WORK THAT COULD AFFECT THEM. COORDINATE TIMING OF NOTIFICATION WITH EACH UTILITY COMPANY'S REQUIREMENTS AND THE NOTIFICATION REQUIREMENTS ON THIS SHEET.
- PERFORM WATER SERVICE AND WATER MAIN WORK, INCLUDING TEMPORARY WATER LINES, IN ACCORDANCE WITH PORTLAND WATER DISTRICT REQUIREMENTS. OBTAIN APPROVAL FROM PORTLAND WATER DISTRICT PRIOR TO CONSTRUCTION. WATER MAIN WORK SHALL BE PERFORMED BY A PORTLAND WATER DISTRICT-APPROVED CONTRACTOR.
- PERFORM ELECTRICAL SERVICE ENTRANCE WORK, TEMPORARY POWER DURING CONSTRUCTION AND UTILITY WORK ON RIGGS AND LOMOND STREET IN ACCORDANCE WITH CENTRAL MAINE POWER REQUIREMENTS. OBTAIN APPROVAL FROM CENTRAL MAINE POWER COMPANY PRIOR TO CONSTRUCTION.
- PERFORM COMMUNICATIONS SERVICE WORK (TELEPHONE, FIBER OPTIC LINES, AND CABLE TELEVISION) IN ACCORDANCE WITH FAIRPOINT COMMUNICATION AND TIME WARNER CABLE (SPECTRUM) REQUIREMENTS. OBTAIN APPROVAL FROM FAIRPOINT AND TIME WARNER CABLE (SPECTRUM) PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF UTILITY SERVICE CONDUIT, PADS, MANHOLES AND HANDHOLES IDENTIFIED ON THE PLANS TO ACCOMMODATE ELECTRIC AND WATER SERVICES. CENTRAL MAINE POWER WILL PROVIDE THE TRANSFORMER, UTILITY POLES AND PRIMARY SERVICE CABLES AS WELL AS NECESSARY ELECTRICAL METER SOCKETS AND METERS.
- PERFORM GAS SERVICE WORK IN ACCORDANCE WITH UNITIL REQUIREMENTS. OBTAIN APPROVAL FROM UNITIL PRIOR TO CONSTRUCTION.
- PERFORM STORM DRAIN AND SANITARY SEWER WORK IN ACCORDANCE WITH CITY OF PORTLAND'S WRITTEN REQUIREMENTS.

PHASING, CONSTRUCTION ACCESS AND CONSTRUCTION MANAGEMENT NOTES

- EXCEPT FOR SITE ACCESS VIA THE WOODED AREAS ON THE SOUTH SIDE OF THE PLAYGROUND AND THE VICINITY OF THE PROPOSED BUILDING AND FROM THE END OF PURCHAS STREET, ALL PHASE 1 BUS, VEHICLE, AND PEDESTRIAN ACCESS SHALL UTILIZE EXISTING SITE ACCESS POINTS. COORDINATE WORK SO THAT PHASE 1 WORK DURING 2017-2018 SCHOOL YEAR OCCURS ONLY WITHIN FENCED AREAS AND DOES NOT OBSTRUCT EXISTING VEHICULAR ACCESS TO/FROM WARWICK STREET AND ORONO ROAD OR PEDESTRIAN ACCESS FROM PINECREST STREET AND GODFREY STREET. LOCATE PHASE I CONSTRUCTION FENCE AS INDICATED TO MAINTAIN EMERGENCY VEHICLE ACCESS TO THE SOUTH AND EAST SIDES OF THE EXISTING SCHOOL.
- APPROXIMATE SPACE AVAILABLE FOR CONTRACTOR PARKING, STAGING, LAYDOWN, AND STOCKPILE/STORAGE ON THE SITE IS INDICATED ON SHEETS CP101 AND CP102. COORDINATE TIMING OF DELIVERIES AND STOCKPIILING OF MATERIAL TO MINIMIZE THE AMOUNT OF CONSTRUCTION MATERIALS STORED ON SITE, ESPECIALLY WHEN SCHOOL IS IN SESSION. EXCEPT IN AREAS DESIGNATED ON THE DRAWINGS, COORDINATE CONTRACTOR PARKING, STAGING, LAYDOWN, AND STOCKPILE/STORAGE LOCATIONS WITH THE ARCHITECT PRIOR TO BEING USED.
- SEE SHEETS CP101 AND CP102 FOR ADDITIONAL PHASING, CONSTRUCTION ACCESS AND CONSTRUCTION MANAGEMENT INFORMATION.
- OFFSITE PARKING OF PERSONAL VEHICLES AND CONSTRUCTION EQUIPMENT, ESPECIALLY ON PURCHAS AND GODFREY STREET (SAGAMORE VILLAGE), ORONO ROAD, AND WARWICK STREET, IS PROHIBITED WITHOUT WRITTEN PERMISSION FROM PORTLAND HOUSING AUTHORITY (SAGAMORE VILLAGE) AND THE CITY OF PORTLAND.
- IDLING OF CONSTRUCTION EQUIPMENT AND DELIVERY VEHICLES IN OFF-SITE AREAS IS PROHIBITED WITHOUT WRITTEN PERMISSION FROM PORTLAND HOUSING AUTHORITY (SAGAMORE VILLAGE) AND THE CITY OF PORTLAND.
- DO NOT PERFORM TREE CLEARING ACTIVITIES BETWEEN JUNE 1ST AND JULY 31ST.
- PHASE 1 CONSTRUCTION ACCESS IS ANTICIPATED TO BE FROM PURCHAS STREET. PHASE 2 CONSTRUCTION ACCESS IS ANTICIPATED TO BE FROM WARWICK STREET AND ORONO ROAD. PROVIDE STABILIZED CONSTRUCTION ENTRANCES/EXITS AT SITE ACCESS POINTS USED BY CONSTRUCTION EQUIPMENT. SEE DETAIL 6/C-502.
- SOME WORK SHOWN HEREIN WILL OCCUR ON ABUTTING PROPERTIES ON RIGGS STREET AND LOMOND STREET. THE ARCHITECT HAS OBTAINED PERMISSION FOR THIS WORK. PROVIDE ADEQUATE NOTIFICATION PRIOR TO PERFORMING THE WORK (SEE NOTIFICATION REQUIREMENTS, THIS SHEET).
- MAINTAIN ACCESS TO/FROM WARWICK STREET TO THE HOUSE ON LOMOND STREET THAT IS ACCESSED VIA RIGGS STREET (67 LOMOND STREET) THROUGHOUT CONSTRUCTION UNLESS WRITTEN PERMISSION FROM ABUTTING PROPERTY OWNERS IS OBTAINED TO TEMPORARILY BLOCK ACCESS TO THEIR PROPERTY.
- REMOVE ALL SNOW ON RIGGS AND LOMOND STREET DURING THE CONSTRUCTION PERIOD TO ENSURE VEHICLE ACCESS TO 67 LOMOND STREET.

STREET ACCEPTANCE NOTE:

- ONCE CONSTRUCTION ON RIGGS STREET AND LOMOND STREET HAS BEEN COMPLETED, PERFORM THE FOLLOWING TASKS AS REQUIRED BY THE CITY OF PORTLAND STREET FOR ACCEPTANCE OF LOMOND STREET AS A PUBLIC STREET:
 - ENGAGE OWEN HASKELL, INC OR OTHER QUALIFIED PROFESSIONAL LAND SURVEYOR TO AN AS-BUILT SURVEY OF THE WORK AND PREPARE A PLAN SHOWING: THE RESULTS OF THE SURVEY, RIGHT OF WAY LIMITS FOR BOTH RIGGS STREET AND LOMOND STREET (INCLUDING BEARINGS AND DISTANCES), AND THE LOCATIONS OF ALL REQUIRED GRANITE STREET MONUMENTS MONUMENTS.
 - GRANITE MONUMENTS' LOCATIONS INDICATED ON DRAWINGS CL102 AND CS103 ARE APPROXIMATE. COORDINATE FINAL LOCATIONS WITH ARCHITECT AND PROFESSIONAL LAND SURVEYOR PREPARING STREET ACCEPTANCE PLANS.

NOTIFICATION REQUIREMENTS:

IN ADDITION TO THE NOTIFICATION REQUIREMENTS IN THE PROJECT SPECIFICATIONS, PROVIDE THE FOLLOWING NOTIFICATIONS. DO NOT PROCEED WITH OUT ACKNOWLEDGMENT THAT THE NOTIFICATION HAS BEEN RECEIVED AND AUTHORIZATION TO PROCEED HAS BEEN GRANTED AND DOCUMENTED IN WRITING:

- INSPECTION OF WATER MAINS AND TEMPORARY WATER SERVICE: PROVIDE WRITTEN NOTIFICATION TO PWD, OWNER AND ARCHITECT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF BEGINNING WORK ASSOCIATED WITH TEMPORARY OR PERMANENT WATER MAINS OR APPURTENANCES.
- WATER SERVICE INTERRUPTIONS: PROVIDE WRITTEN NOTIFICATION TO PWD, OWNER AND ARCHITECT AT LEAST 4 BUSINESS DAYS IN ADVANCE OF INTERRUPTING WATER SERVICE. PWD WILL NOTIFY ALL OTHER AFFECTED PARTIES (HOMEOWNERS).
- INSTALLATION OF SEWER AND STORM DRAIN LINES: NOTIFY CITY OF PORTLAND DEPARTMENT OF PUBLIC SERVICES ONCE FINAL CONNECTIONS HAVE BEEN MADE, THE LINE HAS BEEN BACKFILLED, AND ACCESS IS AVAILABLE TO ALLOW FOR CAMERA INSPECTION OF THE LINES TO CONFIRM COMPLIANCE WITH CITY OF PORTLAND STANDARDS AND SPECIFICATIONS.
- INSTALLATION OF GAS MAINS: NOTIFY UNITIL AT LEAST 21 BUSINESS DAYS IN ADVANCE OF REQUIRING GAS MAIN INSTALLATION TO COORDINATE TRENCH EXCAVATION. INSTALLATION OF PIPES AND CONNECTIONS ARE BY UNITIL. BACKFILL TRENCH ONCE UNITIL HAS INSTALLED AND TESTED PIPING AND CONNECTIONS AS REQUIRED.
- SEWER SERVICE INTERRUPTIONS: PROVIDE WRITTEN NOTIFICATION TO OWNER AND ARCHITECT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF INTERRUPTING SEWER SERVICE.
- ABANDONING EXISTING STORM DRAIN AND SEWER LINES: PROVIDE WRITTEN NOTICE TO THE OWNER, ARCHITECT AND CITY OF PORTLAND DEPARTMENT OF PUBLIC SERVICES SEWER MAINTENANCE DIVISION AT LEAST 4 BUSINESS DAYS IN ADVANCE OF ABANDONING THE LINE. THE CITY WILL PROVIDE CAMERA INSPECTION SERVICES TO VERIFY THE LOCATION OF THE MAIN AND ALLOCATE ONE HOUR TO ASSIST THE ABANDONMENT PROCESS IN ACCORDANCE WITH CITY OF PORTLAND'S WRITTEN REQUIREMENTS.
- OIL TANK REMOVAL: PROVIDE WRITTEN NOTIFICATION TO THE DEP, PORTLAND FIRE DEPARTMENT, OWNER AND ARCHITECT LEAST 10 BUSINESS DAYS PRIOR TO COMMENCING TANK REMOVAL OPERATIONS.
- ELECTRIC AND COMMUNICATIONS SERVICE INTERRUPTIONS: NOTIFY OWNER, ARCHITECT, CMP, FAIRPOINT COMMUNICATIONS, AND TIME WARNER CABLE (SPECTRUM) AT LEAST 10 BUSINESS DAYS PRIOR TO ANY SERVICE INTERRUPTIONS.
- TEMPORARY UTILITIES, RELOCATED UTILITY POLES AND INSTALLATION OF OVERHEAD ELECTRICAL AND COMMUNICATIONS SERVICE (TEMPORARY AND PERMANENT): NOTIFY CMP, FAIRPOINT COMMUNICATIONS, AND TIME WARNER CABLE (SPECTRUM) IN ACCORDANCE WITH THEIR WRITTEN REQUIREMENTS. NOTIFY OWNER AND ARCHITECT AT LEAST 10 BUSINESS DAYS PRIOR TO INSTALLATION.
- LIGHTING INSTALLATIONS IN PUBLIC WAYS: NOTIFY THE OWNER, ARCHITECT, CITY OF PORTLAND, AND CMP WHEN LIGHTING HAS BEEN INSTALLED AND READY FOR OPERATION SO THAT THE LIGHTS CAN BE INSPECTED.
- EXISTING PLAYGROUND EQUIPMENT, SCHOOL SIGN AND SITE FURNISHING REMOVAL: PROVIDE WRITTEN NOTICE TO OWNER AND ARCHITECT AT LEAST 15 BUSINESS DAYS PRIOR TO REMOVAL.
- PLANTING SOIL INSTALLATION: PROVIDE WRITTEN NOTICE TO OWNER AND ARCHITECT AT LEAST 14 BUSINESS DAYS PRIOR TO INSTALLATION OF PLANTING SOIL.
- OFFSITE WORK: NOTIFY ARCHITECT AND PROPERTY OWNER WHERE WORK IS SLATED TO OCCUR AT LEAST 7 BUSINESS DAYS IN ADVANCE OF BEGINNING WORK.

SOIL AND SOIL EXPLORATION NOTES

- SOIL BORINGS AND TEST PITS INDICATED WERE PERFORMED BY SW COLE INC IN SUMMER, 2016. REFER TO THE GEOTECHNICAL REPORT PREPARED BY SW COLE INC, DATED NOVEMBER 28, 2016 FOR SOIL INFORMATION AND ADDITIONAL GEOTECHNICAL REQUIREMENTS. A COPY OF THIS REPORT IS INCLUDED IN THE PROJECT SPECIFICATIONS (SECTION 31200, "EARTH MOVING," APPENDIX A) AND THE MAINE DEP SITE LOCATION OF DEVELOPEMENT APPLICATION FOR THE PROJECT (SECTION 11, APPENDIX B).
- THE EXISTING SUBGRADE SOILS CONSIST OF A THIN LAYER OF SURFICIAL FILLS AND NATIVE SANDS OVERLYING A DEEP GLACIOMARINE CLAY DEPOSIT THAT BECOMES SOFT AT DEPTHS OF 8 TO 13 FEET BELOW THE EXISTING GROUND SURFACE AND A PERCHED WATER TABLE ELEVATION OF APPROXIMATELY 5 FEET BELOW THE EXISTING GROUND SURFACE. USE SHEET/SHORING AND DEWATERING TECHNIQUES IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS FOR EXCAVATIONS, ESPECIALLY BELOW GROUNDWATER ELEVATION AND WITHIN THE SOFT CLAY LAYER. DEWATERING ACTIVITIES SHALL ALSO BE IN ACCORDANCE WITH THE APPROVED DEWATERING PLAN AND THE WRITTEN REQUIREMENTS OF BOTH THE MAINE DEP AND THE CITY OF PORTLAND.
- IN ADDITIONAL TO THE REQUIREMENTS INDICATED ON THE DRAWINGS AND IN THE PROJECT SPECIFICATIONS, USE THE FOLLOWING MATERIALS FOR FILL AND BACKFILL:
 - COMMON BORROW: USE AS FILL IN LANDSCAPED AREAS.
 - GRANULAR BORROW: USE AS FILL AND BACKFILL IN PAVED AREAS, STONEDUST AND GRAVEL AREAS, AND BUILDING AREAS.
 - GRANULAR BORROW FOR UNDERWATER BACKFILL: WHEN APPROVED IN WRITING BY THE ARCHITECT, USE IN LOW LYING OR WET AREAS THAT CANNOT BE ADEQUATELY DEWATERED (DAYLIGHT TO THE TOE OF FILL WHEN USED IN EMBANKMENT AND WETLAND FILL AREAS) AND AS FIRST 2 FEET OF BACKFILL IN FORMER UTILITY TRENCHES.
 - GRANULAR BORROW FOR EMBANKMENT CONSTRUCTION: USE AS REMAINDER OF BACKFILL IN FORMER UTILITY TRENCHES.
 - STRUCTURAL FILL: FILL TO REPAIR SOFT AREAS AND BACKFILL FOR SEWER/DRAINAGE STRUCTURES, FOUNDATIONS, FOUNDATIONS AND SLABS.
 - CRUSHED STONE: BENEATH FOOTINGS, BUILDING SLAB, FOR UNDERDRAIN AGGREGATE, AND PIPE BEDDING.
- REFER TO THE FOUNDATION PREP AND DRAIN DETAIL (DETAIL 6/C-508) FOR ADDITIONAL EXCAVATION AND BACKFILL REQUIREMENTS ASSOCIATED WITH BUILDING FOOTINGS AND FOUNDATIONS.

ABBREVIATIONS

%	PERCENT	EW	EACH WAY	PSI	POUNDS PER SQUARE INCH
#	NUMBER	EXIST	EXISTING	PSIG	POUNDS PER SQUARE INCH GAUGE
±	PLUS OR MINUS	FD	FOUNDATION DRAIN	PT	PRESSURE TREATED, POINT OF TANGENCY
¢	CENTERLINE	FFE	FINISH FLOOR ELEVATION	PVC	POLYVINYL CHLORIDE
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS	FL	FLANGED	PVI	POINT OF VERTICAL INTERSECTION
ABAN	ABANDONED	FLG	FIELD LOK GASKET	PWD	PORTLAND WATER DISTRICT
ADA	AMERICAN'S WITH DISABILITIES ACT	FP	FLAG POLE	R	RADIUS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	FO	FUEL OIL	REINF	REINFORCED, REINFORCING
BOC	BOTTOM OF CURB	FT	FEET, FOOT	RGS	RIGID GALVANIZED STEEL
BOW	BOTTOM OF WALL	Fy	YIELD STRENGTH	ROW	RIGHT-OF-WAY
BVCE	BEGIN VERTICAL CURVE ELEVATION	GAL	GALLON	RSF	REINFORCED SILT FENCE
BVCS	BEGIN VERTICAL CURVE STATION	GALV	GALVANIZED	RT	RIGHT
CB	CATCH BASIN	HC	HANDICAP	S	SOUTH
CF	CONSTRUCTION FENCE	IN	INCH(ES)	SD	STORM DRAIN
CJ	CONTROL JOINT	INV	INVERT	SF	SILT FENCE
CLR	CLEAR	IPT	IRON PIPE THREAD	SIM	SIMILAR
CMP	CENTRAL MAINE POWER	IRR	IRRIGATION WATER LINE	SMH	SEWER MANHOLE
CO	CLEAN OUT	L	LENGTH	SO	SQUARE
CONC	CONCRETE	LBS	POUNDS	SF, SQ FT	SQUARE FEET
CONT	CONTINUOUS	LT	LEFT	STA	STATION
DEP	DEPARTMENT OF ENVIRONMENTAL PROTECTION	MAG	MAGNETIC	SS	SANITARY SEWER, STAINLESS STEEL
DIA	DIAMETER	MAX	MAXIMUM	T	TRANSFORMER
DHHS	DEPARTMENT OF HEALTH AND HUMAN SERVICES	MDO	MAINE DEPARTMENT OF TRANSPORTATION	TBM	TEMPORARY BENCH MARK
DMH	DRAIN MANHOLE	MTL	METAL	TEMP	TEMPORARY
E	EAST	MIN	MINIMUM	TP	TEST PIT
EA	EACH	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	TOC	TOP OF CURB
GEN	EMERGENCY GENERATOR	N	NORTH	TOW	TOP OF WALL
ECB	EXISTING CATCH BASIN	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TW	TOP OF WALL
ELEV	ELEVATION	NO	NUMBER	TYP	TYPICAL
EP	EDGE OF PAVEMENT	NPT	NATIONAL PIPE THREAD TAPERED THREAD	UC	UNDERGROUND COMMUNICATIONS
EQ	EQUAL	OC	ON CENTER	UD	UNDERDRAIN
ESMH	EXISTING SEWER MANHOLE	OD	OUTSIDE DIAMETER	UE	UNDERGROUND ELECTRIC LINES
EVCE	END VERTICAL CURVE ELEVATION	OE&C	OVERHEAD ELECTRIC AND COMMUNICATIONS	UP	UTILITY POLE
EVCS	END VERTICAL CURVE STATION	OZ	OUNCES	VC	VITREOUS CLAY, VERTICAL CURVE
		PE	POLYETHYLENE	W	WIDTH, WATER, WEST, WITH
		PC	POINT OF CURVATURE	WWF	WELDED WIRE FABRIC
		POC	POINT ON CURVE		

LEGEND

	EXISTING GRADE SPOT ELEVATION		SEDIMENT CONTROL WATTLE
	FINISHED GRADE SPOT ELEVATION		STORM DRAIN LINE WITH FLOW DIRECTION ARROW
	KEY NOTE		FOUNDATION DRAIN LINE
	EXISTING CONTOUR LINE		UNDERDRAIN LINE
	FINISH GRADE LINE		UPPER UNDERDRAIN LINE
	MATCH LINE		FLARED END
	PHASING LINE		UNDERGROUND ELECTRIC LINES (SIZE AND NUMBER AS NOTED)
	EXISTING PROPERTY LINE		UNDERGROUND LIGHTING LINE (SIZE AS NOTED)
	EXISTING WATER EASEMENT LINE		UNDERGROUND ELECTRIC AND COMMUNICATIONS LINE
	EXISTING EDGE OF WETLAND		WATER LINE (SIZE AS NOTED)
	EXISTING BUILDING LINE		UNDERGROUND NATURAL GAS LINE
	BUILDING LINE		CONSTRUCTION FENCE
	EXISTING CHAIN LINK FENCE		SILT FENCE
	EDGE OF ASPHALT CONCRETE PAVEMENT		REINFORCED SILT FENCE
	EXISTING EDGE OF ASPHALT CONCRETE PAVEMENT		DRAINAGE FLOW ARROW
	EDGE OF EXISTING GRAVEL		EXISTING UTILITY POLE
	EDGE OF GRAVEL		UTILITY POLE
	CURB LINE		EXISTING CATCH BASIN
	EXISTING UTILITIES ABANDONED IN-PLACE (CUT AND CAP)		CATCH BASIN
	REMOVALS (DRAWINGS CD101 AND CD102 ONLY)		EXISTING SEWER MANHOLE
	SAWCUT		SEWER MANHOLE
	FENCE		EXISTING FLAGPOLE
	EXISTING LIMITS OF CLEARING		FLAGPOLE
	LIMITS OF CLEARING		EXISTING FREE STANDING LIGHT FIXTURE
	EXISTING TREE		BOLLARD
	EXISTING SHRUB		EXISTING FIRE HYDRANT
	SHRUB		FIRE HYDRANT
	DECIDUOUS TREE		SURVEY MONUMENT
	SANITARY SEWER LINE (SIZE AS NOTED)		DRAIN MANHOLE
	EXISTING SANITARY SEWER LINE (SIZE AS NOTED)		FOUNDATION DRAIN CLEANOUT
	EXISTING STORM DRAIN LINE (SIZE AS NOTED)		ELECTRICAL HANDHOLE
	EXISTING UNDERGROUND ELECTRIC LINE (SIZE AND NUMBER AS NOTED, IF KNOWN)		GROUND HYDRANT
	EXISTING WATER LINE (SIZE AS NOTED)		TRANSFORMER AND PAD
	EXISTING OVERHEAD UTILITY LINE		EXISTING WATER SHUT-OFF VALVE
	EXISTING OVERHEAD ELECTRIC		WATER SHUT-OFF VALVE
	OVERHEAD ELECTRIC AND COMMUNICATION LINES		FREE STANDING LIGHT FIXTURE
	OVERHEAD ELECTRIC AND TELEPHONE LINES		TRAFFIC FLOW ARROW
			TRAFFIC SIGN (TEXT GIVEN AT SIGN LOCATION)
			RIP RAP
			UTILITY POINT OF CONNECTION
			SOIL TEST BORING LOCATION
			SOIL TEST PIT LOCATION

				STATE OF MAINE PUBLIC SCHOOL PROJECT TITLE: PORTLAND PUBLIC SCHOOLS NEW FRED P. HALL ELEMENTARY SCHOOL LOCATION: 23 ORONO ROAD, PORTLAND, ME	
		DRAWN BY: JSD CHECKED BY: JLG		DRAWING NO. C-001	
NO.	DATE	DESCRIPTION	BY	NO.	SHEET NO.
		REVISIONS		DATE: 03/17/17	22 OF 312