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36

37

38

39

WATERMAIN

WATER SERVICE

WATER VALVE

E1.1

E1.2

E1.3

E1.4

|Sheet Number|Sheet Title|

G-000

G-001

GENERAL NOTES:

CONTROL PLAN.

- EXISTING CONDITIONS, TOPOGRAPHIC INFORMATION, UTILITY LOCATIONS & PROPERTY LINE INFORMATION SHOWN HEREON HAVE BEEN PROVIDED FROM A FIELD SURVEY PREPARED BY OWEN HASKELL, INC., DATED NOV. 16, 2016 & UPDATED MARCH 26, 2018.
- 2. ELEVATIONS REFERENCED TO VERTICAL DATUM: NGVD29/ CITY DATUM.
- 3. ELEVATIONS REFERENCED TO HORIZONTAL DATUM: WEST, U.S. FOOT STATE PLANE
- THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS DEPICTED ON THE SITE PLAN. APPROVAL OF THE PLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATION TO OR DEVIATION FROM THE APPROVED SITE PLAN. INCLUDING, WITHOUT LIMITATION: TOPOGRAPHY, DRAINAGE, LANDSCAPING, RETENTION OF WOODED OR LAWN AREAS, ACCESS, SIZE, LOCATION, AND SURFACING OF PARKING AREAS, AND LOCATION AND SIZE OF BUILDINGS.
- THE CONTRACTOR SHALL CALL "DIG SAFE" AT 811 AT LEAST 72 HOURS PRIOR TO EXCAVATION IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL SAFETY CODES. . PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF

DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S

EXPENSE BY A LICENSED LAND SURVEYOR ACCEPTABLE TO THE CITY. PROPERTY

MONUMENTS SHALL BE RESET IN ACCORDANCE WITH CITY OF PORTLAND STANDARDS.

- 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 AND/OR LAND OWNER.
- 8. FINAL SETS OF AS-BUILT PLANS SHALL BE SUBMITTED DIGITALLY TO THE PLANNING AND URBAN DEVELOPMENT DEPARTMENT ON A CD OR DVD IN AUTOCAD FORMAT (*DWG) RELEASE AUTOCAD 2005 OR GREATER, AS SPECIFIED IN THE CITY OF PORTLAND
- 9. IF CONTRACTOR PROPOSES TO TEMPORARILY STOCKPILE ANY SURPLUS SOIL AND ROCK IN THE CITY OF PORTLAND, THE CONTRACTOR SHALL OBTAIN APPROVAL FOR EACH STOCKPILE LOCATION FROM THE ENGINEER. IF CONTRACTOR PROPOSES TO PERMANENTLY STOCKPILE ANY SURPLUS SOIL AND ROCK ON PROPERTY IN THE CITY OF PORTLAND, THE CONTRACTOR MUST OBTAIN ANY SITE PLAN PERMITS REQUIRED FROM THE CITY PLANNING AUTHORITY OR ANY FILL PERMITS REQUIRED FROM MDEP OR U.S. ARMY CORPS OF ENGINEERS. BOTH TEMPORARY AND PERMANENT STOCKPILE LOCATIONS SHALL MEET THE APPLICABLE SETBACK REQUIREMENTS IN THE CITY LAND USE CODE AND SHALL RECEIVE PROPER STABILIZATION AND EROSION & SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH APPROVED SOIL EROSION & WATER POLLUTION
- IO. PRIOR TO CONSTRUCTION, A PRECONSTRUCTION MEETING SHALL BE HELD AT THE PROJECT SITE WITH THE CONTRACTOR, ENGINEER, CITY OF PORTLAND DEVELOPMENT REVIEW COORDINATOR, CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS REPRESENTATIVE, AND OWNER TO REVIEW THE CONSTRUCTION SCHEDULE AND CRITICAL ASPECTS OF THE SITE WORK. AT THAT TIME, THE SITE/BUILDING CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF A DETAILED CONSTRUCTION SCHEDULE TO THE ATTENDING CITY REPRESENTATIVE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE A MUTUALLY AGREEABLE TIME FOR THE PRECONSTRUCTION MEETING.
- II. CONTRACTOR IS RESPONSIBLE FOR ALL SNOW REMOVAL AND WINTER MAINTENANCE OF ACCESS PATHS WITHIN THE LIMIT OF WORK CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS THAT CONFLICT WITH THE
- SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COSTS SHALL BE INCURRED BY THE CONTRACTOR. 13. LAND OUTSIDE THE PROPOSED LIMIT OF WORK SHALL NOT BE DISTURBED BY THE

PROPOSED IMPROVEMENTS SHOWN ON THE SITE DRAWINGS, INCLUDING BUT NOT LIMITED

TO ALL UTILITIES, STORM INFRASTRUCTURE, SIGNS, UTILITY POLES, FENCES, ETC. AS

REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH THE GOVERNING AUTHORITY'S

- CONTRACTOR. 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.
- 15. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES, REGULATIONS, LEGAL REQUIREMENTS, PERMIT CONDITIONS, ETC. 16. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKWAYS,
- DIRECTED BY THE ENGINEER, ANY ITEMS DAMAGED AS A RESÚLT OF THE CONTRACTOR'S WORK. 17. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF ALL

STREETS, PAVEMENTS, CURBING, TREES, PLANTINGS, LAWN, FENCING TO REMAIN ON OR

OFF THE PREMISES, AND SHALL REPAIR AND REPLACE AT HIS/HER OWN EXPENSE, AS

EXCAVATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND

18. SAWCUTS IN EXISTING PAVEMENT SHALL BE SMOOTH AND STRAIGHT. EXISTING PAVEMENT SHALL BE SAWCUT AND BUTTED TO THE NEW PAVEMENT. NO FEATHERING OF PAVEMENT WILL BE PERMITTED.

- 19. WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH APPLICABLE CITY OF PORTLAND AND STATE REQUIREMENTS.
- 20. IF IMPORTED FILL MATERIAL IS REQUIRED, IT SHALL BE CERTIFIED IN WRITING BY LICENSED GEOLOGIST OR ENGINEER AS NON-CONTAMINATED, CLEAN FILL SUITABLE FOR THE INTENDED USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING OF ENVIRONMENTAL PARAMETERS AS OUTLINED IN THE PROJECT SPECIFICATIONS. 21. RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH
- 22. ALL CURB DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AND SHALL CONFORM TO CITY OF PORTLAND SPECIFICATIONS. COST IS INCIDENTAL TO CONTRACT. 23. ALL MATERIAL SHALL BE FURNISHED BY CONTRACTOR UNLESS OTHERWISE NOTED.

(GRAVEL, PAVEMENT, RIPRAP, GRASS, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

RESTORATION OF ALL AREAS DAMAGED BY CONTRACTOR SHALL BE INCIDENTAL TO THE

- 24. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS PRIOR TO 25. ALL FULL DEPTH PAVEMENT REPLACEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF PORTLAND TECHNICAL STANDARDS.
- 26. ALL WORK WITHIN THE RIGHT OF WAY OF CITY STREETS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL SUBMIT A PROPOSED TRAFFIC CONTROL PLANS TO THE TRAFFIC ENGINEER AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION IN ANY STREET. THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE SUBJECT TO APPROVAL BY THE TRAFFIC ENGINEER, WHO MAY ATTACH SPECIAL CONDITIONS TO, OR REQUIRE MODIFICATIONS OF, THE TRAFFIC CONTROL PLAN. WORK SHALL NOT BEGIN UNTIL THE PLAN IS APPROVED
- BY THE TRAFFIC ENGINEER. 27. RESTRICT ACCESS TO SITE THROUGH THE USE OF APPROPRIATE SIGNAGE, 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. SITE SAFETY IS THE RESPONSIBILITY OF CONTRACTOR, DURING

DELAY CONSTRUCTION.

THE PAVEMENT SURFACE.

- BOTH WORKING AND NON-WORKING HOURS. 28. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS. PERMIT APPLICATIONS SHALL BE SUBMITTED WITH ADEQUATE TIME SO AS NOT TO
- 29. THE CONTRACTOR SHALL OBTAIN A CITY STREET OPENING PERMIT BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR WILL ALSO BE REQUIRED TO HAVE A CURRENT EXCAVATOR'S LICENSE IN THE CITY.
- 30. ALL WORK IN THE PUBLIC R.O.W. 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. 31. ALL SEWER CONSTRUCTION IN THE PUBLIC WAY SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLE II OF CHAPTER 24-SEWERS OF THE CITY OF PORTLAND CODE OF
- 32. CONTACT CITY OF PORTLAND ARBORIST AND ENGINEER PRIOR TO CUTTING ROOTS. TRIMMING BRANCHES, OR DISTURBING TREES WITHIN THE R.O.W. THAT NOT HAVE BEEN NOTED FOR REMOVAL ON THE PLANS.
- 33. ST. JOHN STREET IS A MORATORIUM STREET. EXCAVATION WITHIN STREET WILL NOT BE ALLOWED UNTIL 6-2-2022. EXCEPT IN ACCORDANCE WITH THE CITY OF PORTLAND FIVE-YEAR MORATORIUM STREET RESTORATION REQUIREMENTS AS OUTLINED WITHIN THE RULES AND REGULATIONS FOR EXCAVATION ACTIVITY WITHIN THE PUBLIC RIGHT-OF-WAY. THE PERMANENT PAVEMENT RESTORATION LENGTH SHALL BE 20' IN BOTH DIRECTIONS FROM FURTHEST EDGES OF EXCAVATION AND THE PERMANENT PAVEMENT RESTORATION WIDTH SHALL BE THE ENTIRE WIDTH OF THE PAVEMENT STREET. THE PERMANENT PAVEMENT RESTORATION DEPTH SHALL BE 2" (ARTERIAL STREET). PREPARATION FOR PERMANENT RESTORATION SHALL BE ACCOMPLISHED BY MACHINE GRINDING THE EXISTING PAVEMENT TO MEET THE DEPTH REQUIREMENT
- 34. CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THESE PLANS AND THE LATEST EDITION OF THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEST MANAGEMENT PRACTICES MANUAL. KEEP ALL STREETS FREE OF DUST, MUD, AND DEBRIS. STREETS AND WALKWAYS SHALL BE SWEPT REGULARLY, AND TEMPORARY CONSTRUCTION ENTRANCES SHALL BE UTILIZED DURING CONSTRUCTION.

VERTICAL SURFACES OF MACHINE GROUND PAVEMENT SHALL BE PERPENDICULAR TO

35. CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN ACCORDANCE WITH REQUIREMENTS OUTLINED WITHIN THE MAINE CONSTRUCTION GENERAL PERMIT. CONTRACTOR SHALL FILE A NOTICE OF TERMINATION WITH PHOTOGRAPHS AND REQUIRED ATTACHMENTS TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION UPON COMPLETION OF THE PROJECT. A DRAFT OF THE NOTICE WILL BE PROVIDED TO THE OWNER AND THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO SUBMISSION. A COPY OF THE NOTICE CAN BE OBTAINED AT WWW.MAINE.GOV/DEP/LAND/STORMWATER/CONSTRUCTION.HTML.

36. CONTRACTOR SHALL MAINTAIN EROSION CONTROL AND STORMWATER POLLUTION PREVENTION SYSTEMS IN COMPLIANCE WITH THE REQUIREMENTS OF THE MAINE CONSTRUCTION GENERAL PERMIT (MCGP). CONTRACTOR SHALL CONDUCT AND MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS PER THE NOTICE OF INTENT TO COMPLY WITH THE MAINE CONSTRUCTION GENERAL PERMIT. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF TERMINATION TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, UPON COMPLETION OF THE CONSTRUCTION PROJECT. SUBMIT A COPY OF

THE INSPECTION RECORDS AND THE NOTICE OF TERMINATION TO THE OWNER AND

ARCHITECT. PROVIDE CRANE PADS PER DIRECTION OF CONSIGLI.

DEMOLITION NOTES:

1. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS FROM THE CITY OF PORTLAND, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

. THE WORD "DEMOLISH" SHALL IMPLY THE FULL REMOVAL AND PROPER DISPOSAL OF THE

- REMOVAL OR DEMOLITION AT THE REQUEST OF THE OWNER OR THEIR REPRESENTATIVE. 3. CONSTRUCTION/DEMOLITION DEBRIS NOT APPROVED FOR REUSE ON-SITE, SHALL BE REMOVED AND DISPOSED OFF SITE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION. WASTE MANIFEST FORMS DOCUMENTING PROPER OFF-SITE DISPOSAL SHALL BE PROVIDED TO THE SITE/CIVIL ENGINEER AND THE CITY
- 4. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES TO BE DEMOLISHED OR TO REMAIN PROTECTED DURING CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY
- THE OWNER IN WRITING OF THE CONFLICT. 5. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN. ANY TEMPORARY SHUT DOWNS REQUIRED TO FACILITATE THE PROPOSED CONSTRUCTION, WHICH MAY AFFECT USES ON ADJACENT PROPERTIES SHALL BE COORDINATED BY THE CONTRACTOR, ,
- 6. CONTRACTOR SHALL REPAIR OR REPLACE ANY STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROCEED WITH CAUTION WITHIN THE PROPOSED WORK AREA TO PREVENT ANY INTERRUPTION TO EXISTING UTILITY SERVICE. 7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A MAINTENANCE AND

PROTECTION OF TRAFFIC (MPT) PLAN IN ACCORDANCE WITH ALL LOCAL, STATE AND

THE CITY OF PORTLAND AND APPLICABLE UTILITY.

- FEDERAL REQUIREMENTS. 8. CONTRACTOR SHALL COVER CONSTRUCTION DUMPSTERS AND ROLL-OFF CONTAINERS. AND STORE ALL CONSTRUCTION CHEMICALS INSIDE THE CONSTRUCTION TRAILER OR UNDER A COVERED AREA DURING PERIODS WHEN CONSTRUCTION CEASES.
- **LAYOUT AND MATERIALS NOTES:** 1. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

GRADING AND DRAINAGE NOTES:

- CASTINGS FOR EXISTING STRUCTURES TO REMAIN AND PROPOSED STRUCTURES SHALL BE SET TO THE PROPOSED ELEVATIONS SHOWN ON THE DRAWINGS. . UNSUITABLE FILL AND BACKFILL MATERIALS ARE MATERIALS CONTAINING EXCESSIVE AMOUNT OF WATER, PLASTIC, CLAY, VEGETATION, ORGANIC MATTER, DEBRIS, PAVEMENT, STONES OR BOULDERS OVER 12 INCHES IN GREATEST DIMENSION, FROZEN MATERIAL, AND MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, WILL NOT PROVIDE A SUITABLE FOUNDATION OR SUBGRADE.
- 3. SUITABLE SOIL SHALL BE PLACED IN LAYERS TO THE REQUIRED ELEVATIONS AS SHOWN ON THE DRAWINGS. FILL, BACKFILL AND COMPACT TO PRODUCE MINIMUM SUBSEQUENT SETTLEMENT OF THE MATERIAL AND PROVIDE ADEQUATE SUPPORT FOR THE SURFACE TREATMENT OR STRUCTURE TO BE PLACED ON THE MATERIAL. PLACE MATERIAL IN APPROXIMATELY HORIZONTAL LAYERS OF BEGINNING AT LOWEST AREA TO BE FILLED. DO NOT IMPAIR DRAINAGE. DO NOT USE ON-SITE TOPSOIL AS FILL MATERIAL. . FOR GROUND SURFACE PREPARATION, CONTRACTOR SHALL REMOVE VEGETATION,
- ITEM AND ANY APPURTENANT ITEMS, AS NOTED, OR AS DIRECTED BY THE OWNER OR DEBRIS, UNSUITABLE SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS THEIR REPRESENTATIVE. THE OWNER RETAINS THE RIGHT TO KEEP ANY ITEM NOTED FOR FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILL. REMOVE MATERIAL TO THE FULL EXTENT OF ROOT PENETRATION. PROOF-ROLL EXISTING GROUND SURFACE PRIOR TO PLACEMENT OF FILL TO PROVIDE A DENSE, STABLE BASE FOR THE FIRST LIFTS OF THE STRUCTURAL FILL.

<u>UTILITIES NOTES:</u>

- ALL PROPOSED UTILITIES (WATER, ELECTRIC, SANITARY, STORM SEWER, ETC.) AND THEIR CONNECTIONS, DISCONNECTION AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY HAVING JURISDICTION. ANY COORDINATION WITH THE MUNICIPALITY AND OR UTILITY COMPANY, PERMITS OR APPROVALS REQUIRED SHALL BE THE RESPONSIBILITY OF THE
- . CONDUIT FOR ELECTRIC LINES SHALL BE WATER-TIGHT IN ADDITION TO CONFORMING TO UTILITY COMPANY REQUIREMENTS.
- REFER TO ELECTRICAL DRAWINGS PREPARED BY BARTLETT DESIGN FOR ELECTRICAL WIRING DIAGRAMS, SCHEDULES, CONDUIT MATERIAL. POWER CONNECTIONS AND ENERGIZATION AND ALL OTHER APPURTENANCES RELATED TO ELECTRICAL WORK FOR
- . ALL PROPOSED ELECTRICAL AND LIGHTING WORK SHOWN ON THESE CIVIL DRAWINGS SHALL BE COORDINATED WITH THE ELECTRICAL PLANS AND SPECIFICATIONS PREPARED BY COMPANY. IN THE EVENT THERE IS A DISCREPANCY BETWEEN THE CIVIL AND ELECTRICAL DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IN WRITING.CLEAN AND/OR FLUSH ALL MANHOLES, CATCH BASINS, AND ASSOCIATED PIPING AFTER THE WORK HAS BEEN COMPLETED.
- 5. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES AND CITY. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES. 6. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH LANDOWNERS AT LEAST TWO DAYS (48 HOURS) PRIOR TO DISRUPTION. ALL UTILITY COORDINATION IS
- CONTRACTOR SHALL ARRANGE AND PREPARE FOR ALL NECESSARY TEMPORARY UTILITIES AS REQUIRED TO COMPLETE WORK, INCLUDING ANY NECESSARY SUB-METERING OR TEMPORARY CONNECTIONS.

RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL

UTILITY CONNECTION, RETIREMENT, AND COORDINATION FEES.

- 8. ALL WATER LINE (MAINS, SERVICES, HYDRANTS, ETC.) CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT TECHNICAL SPECIFICATIONS, LATEST EDITION. PORTLAND WATER DISTRICT TECHNICAL SPECIFICATIONS SHALL GOVERN IN THE CASE OF ANY AND ALL CONFLICTS IN THE PROJECT
- CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO OWNER. 9. ALL GAS LINE (MAINS, SERVICES, GATE VALVES, METERS, ETC.) CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH UNITIL'S TECHNICAL SPECIFICATIONS, LATEST EDITION. UNITIL'S TECHNICAL SPECIFICATIONS SHALL GOVERN IN THE CASE OF ANY AND ALL CONFLICTS IN THE PROJECT CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST
- 10. EXISTING UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM A FIELD SURVEY PREPARED BY OWEN HASKELL, INC. THESE PLANS DO NOT NECESSARILY DEPICT THE EXACT LOCATIONS OF ALL UTILITIES, WHICH MAY EXIST AT THIS TIME WITHIN THE SURVEY LIMITS. THERE MAY BE EXISTING LINES OTHER THAN THOSE INDICATED. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY UTILITY CONNECTIONS OR CROSSINGS OF PROPOSED OR EXISTING UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IN WRITING. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THESE LINES. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ILLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON

THE PLANS AND ACTUAL FIELD CONDITIONS ENCOUNTERED. THE CONTRACTOR IS

THE PROPOSED CONNECTION(S).

RESPONSIBLE FOR HIS/HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE EXISTING UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE AND TO FACILITATE

- 11. WHEREVER POSSIBLE, PROVIDE 10 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES. WHEN THIS HORIZONTAL SEPARATION IS NOT POSSIBLE. INSTALL SEWER LINE AT LEAST 18 INCHES BETWEEN BOTTOM OF WATER LINE AND TOP OF SEWER. 12. FOR SEWER LINE CROSSING WATER LINE TRENCHES, PROVIDE AT LEAST 18 INCHES
- BETWEEN BOTTOM OF WATER LINE AND TOP OF SEWER. 13. INSULATE ALL SEWER, FORCEMAINS AND WATER MAINS WHICH HAVE LESS THAN 4 FEET OF COVER OR WHERE DIRECTED BY THE ENGINEER. RIGID INSULATION REQUIRED: 2" THICK, BY 4' WIDE, UNLESS OTHERWISE NOTED. COSTS ASSOCIATED WITH INSULATION ARE INCIDENTAL TO CONTRACT.
- 14. INSTALL THRUST BLOCKS AT ALL BENDS IN FORCEMAIN AND WATER MAIN. SEE CIVIL DETAIL ON SHEET C-202.
- 15. PROVIDE END CAPS ON ALL UNDERDRAIN PIPING EXCEPT WHERE DAYLIGHTED, UNLESS OTHERWISE NOTED. 16. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL DIG TEST PITS TO VERIFY THE LOCATION OF POTENTIAL EXISTING UNDERGROUND UTILITY CONFLICTS. CONTRACTOR

SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AT PROPOSED

- UTILITY CROSSINGS, AND ADVISE THE ENGINEER IN WRITING OF ANY DISCREPANCIES. 17. ALL PROPOSED UTILITIES AND THEIR CONNECTIONS, DISCONNECTION AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY HAVING JURISDICTION. ANY COORDINATION WITH THE MUNICIPALITY AND/OR UTILITY COMPANY, PERMITS OR APPROVALS REQUIRED SHALL BE
- 18. UNLESS OTHERWISE SPECIFIED, PIPE FOR STORM DRAINS SHALL BE MATERIAL OR APPROVED EQUAL, WITH WATER TIGHT JOINTS. PIPE JOINTS, FITTINGS AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH SECTION X.

ABBREVIATIONS

THE RESPONSIBILITY OF THE CONTRACTOR.

LINEAR FEET

MAINE DEPARTMENT OF

TRANSPORTATION

MAXIMUM

MONUMENT

MDOT

LIMIT OF WORK

& A.G.	AND ABOVE GROUND	N.I.C. NO. NR	NOT IN CONTRACT NUMBER NO REFUSAL
BC BIT	BOTTOM OF CURB BITUMINOUS	N.T.S.	NOT TO SCALE
BW B/W	BOTTOM OF WALL BETWEEN	OE OH	OVERHEAD ELECTRIC OVERHEAD
CB CI CMP CMP CONC	CATCH BASIN CAST IRON CENTRAL MAINE POWER CORRUGATED METAL PIPE CONCRETE	± LLS PROP. PT. PVC	PLUS OR MINUS LICENSED LAND SURVEY PROPOSED POINT POLYVINYL CHLORIDE
DI DIA. DMH DTL.	DUCTILE IRON DIAMETER DRAIN MANHOLE DETAIL	R.O.W. RCP REINF. REQ'D	RIGHT-OF-WAY REINFORCED CONCRETE REINFORCED REQUIRED
E EL. E.O.P. EXIST.	UNDERGROUND ELECTRICAL ELEVATION EDGE OF PAVEMENT EXISTING	S S SD SMH	SLOPE (FT./FT.) SEWER STORM DRAIN SEWER MANHOLE
FF FM	FINISH FLOOR FORCEMAIN	SCH STA.	SCHEDULE STATION
FT	FOOT/FEET	TS TW	TOP OF STAIRS TOP OF WALL
G GS	GAS MAIN GAS SERVICE	TYP.	TYPICAL
GALV. GRAN.	GALVANIZED GRANITE	UP	UTILITY POLE
		VC	VITRIFIED CLAY
HDPE HYD	HIGH DENSITY POLYETHYLENE HYDRANT	VII.	VITRIFIED CLAY
		W	WEST
INV.	INVERT	W w/	WATER

4	B&15-1	BOUNDART & TOPOGRAPHIC SURVET				
3	C-001	EXISTING CONDITIONS & DEMOLITION PLAN				
4	C-100	SITE LAYOUT & MATERIALS PLAN - 1				
5	C-101	SITE LAYOUT & MATERIALS PLAN - 2				
6	C-102	GRADING & DRAINAGE PLAN - 1				
7	C-103	GRADING & DRAINAGE PLAN - 2				
8	C-104	UTILITY PLAN - 1				
9	C-105	UTILITY PLAN - 2				
10	C-106	FIRE TRUCK MOVEMENT PLAN				
11	C-107 SIDEWALK IMPROVEMENT PL					
12	C-200	CIVIL DETAILS - 1				
13	C-201	CIVIL DETAILS - 2				
14	C-202	CIVIL DETAILS - 3				
15	C-203	CIVIL DETAILS - 4				
16	C-204	CIVIL DETAILS - 5				
17	C-205	CIVIL DETAILS - 6				
LANDSCAPING						
18	L1.0	LANDSCAPE SITE PLAN				
19	L2.0	LANDSCAPE DETAILS				
ARCHITECTUR!	AL.					
20	G101	GROUND LEVEL CODE INFORMATION PLAN				
21	G102	LEVEL 1 CODE INFORMATION PLAN				
22	G103	LEVEL 2 CODE INFORMATION PLAN				
23	A101	BUILDING ELEVATIONS				
24	A102	BUILDING ELEVATIONS				
STRUCTURAL						
25	PS1	GRADE LEVEL PARKING LAYOUT				
26	PS2	LEVEL 1 PARKING LAYOUT				
27	PS3	LEVELS 2,4 & 6 PARKING LAYOUT				
28	PS4	LEVEL 3 & 5 PARKING LAYOUT				
29	PS5	LEVEL 7 PARKING LAYOUT				
30	PS6	LEVEL 8 PARKING LAYOUT				
ELECTRICAL	ELECTRICAL					
31	E0.1	SITE LIGHTING CALCULATION PLAN - 1				
32	E0.2	SITE LIGHTING CALCULATION PLAN - 2				
33	E0.3	SITE LIGHTING CALCULATION PLAN - 3				
34	E0.4	SITE LIGHTING CALCULATION PLAN - 4				
35 E0.5 ROOF DECK LIGHTING CALCU		ROOF DECK LIGHTING CALCULATION PLAN				
7.0		ELECTRICAL CITE DI ANI 1				

DRAWING INDEX

Sheet Description

GENERAL NOTES, LEGEND, SHEET INDEX & ABBREVIATIONS

BOUNDARY & TOPOGRAPHIC SURVEY

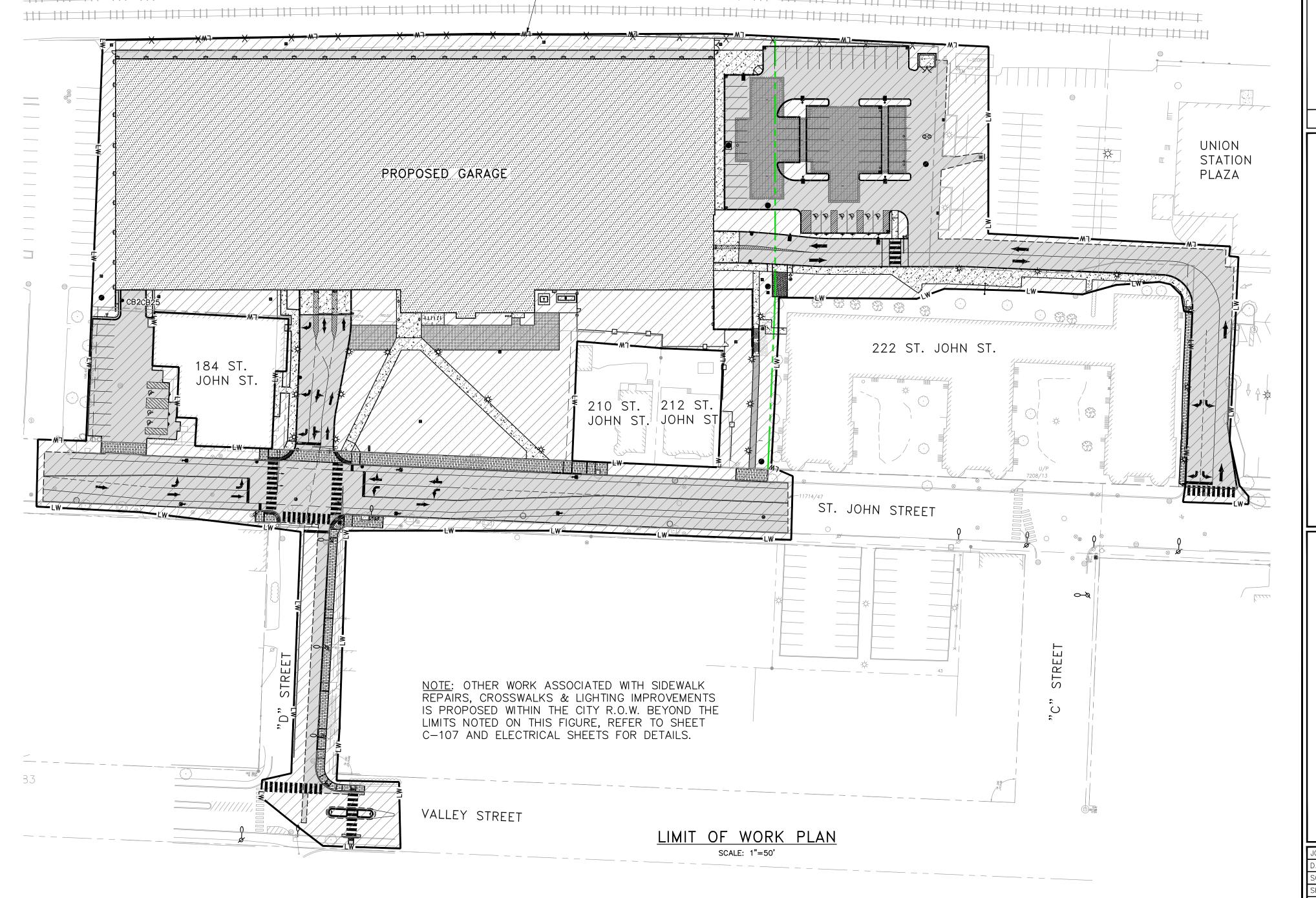
ELECTRICAL SITE PLAN - 1

ELECTRICAL SITE PLAN - 2

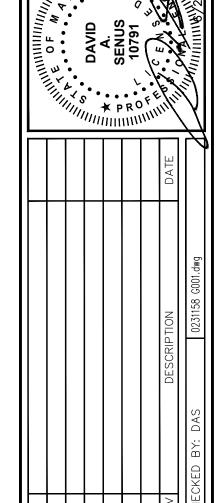
ELECTRICAL SITE PLAN - 3

ROOF DECK ELECTRICAL PLAN

	<u>LEGEND</u>		<u>LEGEND</u>		
EXISTING		PROPOSED	<u>EXISTING</u>		<u>PROPOSED</u>
	CONTOUR (1' OR 2' INTERVAL)		(\$)	SANITARY SEWER MANHOLE	S
	CONTOUR (INDEX)		O CO	CLEAN OUT	Oco
s	SANITARY SEWER	s		DRAINAGE MANHOLE	0
	FORCEMAIN	—— — FM — — —		FIELD INLET CATCH BASIN	
SD	STORM DRAIN	SD		CURB INLET CATCH BASIN	T
—— — UD — — —	UNDERDRAIN	—— —— UD —— ——		TELEPHONE MANHOLE	\bigcirc
	WATER LINE	w	□ TELE BOX	TELEPHONE STAND BOX	
——————————————————————————————————————	UNDERGROUND ELECTRIC	———Е——	G	GAS METER BOX	G
———т	UNDERGROUND TELEPHONE	т ———	\bigcirc	GAS VENT	
CTV	UNDERGROUND TELEVISION	ctv	\otimes	GATE GATE	\otimes
	GAS LINE	G		TRANSFORMER	T
OE	OVERHEAD ELECTRIC	OE	Ø	UTILITY POLE	Ø
——————————————————————————————————————	ABANDONED SEWER			UTILITY POLE WITH GUY	ø
AW	ABANDONED WATER LINE		-\$-	LIGHTPOST	- \$ -
	PROPERTY LINE	——————————————————————————————————————	\otimes	WATER GATE	\otimes
	RIGHT OF WAY		\otimes	CURB STOP	\otimes
	EASEMENT		◀	REDUCER	•
	EDGE OF VEGETATION			COUPLING	•
× ×	FENCE		450	WATER SHUT OFF VALVE	480
	CENTERLINE			HYDRANT	
	RETAINING WALL	_ ^ _ ^ _ ^ ^ _	W	WATER METER BOX	W
	STONEWALL	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\boxtimes	GATE VALVE BOX	
	CURB		\bowtie	GATE VALVE	H
	EDGE OF PAVEMENT			PROPERTY MONUMENT	
	EDGE OF GRAVEL		□MB	MAIL BOX	
	GUARDRAIL	<u> </u>	<u> </u>	STREET AND MISCELLANEOUS SIGNS	-
	RAILROAD TRACKS		⊚ ^{FP}	FLAGPOLE	
	DRAINAGE DITCH / SWALE		XXX.XX +	SPOT ELEVATION	+ xxx.xx
	SILT FENCE			DECIDUOUS TREE/SHRUB	· 69
	LIMIT OF WORK	LW	****		© *****
			******	CONIFEROUS TREE/SHRUB	**
	BITUMINOUS PAVEMENT		TP-#	TEST PIT	TP−#
	CONCRETE WALKWAY				







TES, LEGEND, ABBREVIATION 9 ×

OB NO.:0231158.00

ATE: JUNE 22, 2018 CALE: N.T.S. EET: 1 OF 17