

ADD A/C AT

ADJ AFF ALUM APROX ARCH

BD

BLDG BLKG BSMT

CAB CER CJ

CL CLG C.H. CMU COL CONC CONST CONT CPT CT

DET DIA DIM

DN DS DWG

ΕA

ELEC ELEV EQ EQUIP EXIST EXP

FD

FEC F. EXT. FIN

FINISH

FOOT, FEET

FOOTING

FLOOR, FLASHING

FF

FL FT FTG

ADDITIONAL AIR CONDITION(ING) ACOUSTIC TILE ADJUSTABLE ABOVE FINISH FLOOR ALUMINUM APPROXIMATE ARCHITECTURAL
BOARD BUILDING BLOCKING BASEMENT
CABINET CERAMIC CONTROL JOINT CLEAR, CLEARANCE CEILING CEILING HEIGHT CONCRETE MASONRY UNIT COLUMN CONCRETE CONSTRUCTION CONTINUOUS CARPET CERAMIC TILE
DETAIL DIAMETER DIMENSION DOWN DOWNSPOUT DRAWING
EAST EACH ELECTRICAL ELEVATION, ELEVATOR EQUAL EQUIPMENT EXISTING EXPANSION
FLOOR DRAIN FINISHED FLOOR FIRE EXTINGUISHER W/ CABINET FIRE EXTINGUISHER W/O CABINET

GA GALV GC GL GYP H.HGT HC HORIZ H/C HM HVAC ID IN INSUL INT INCL JAN, JC JT KIT LAV LAM MATL MAX MDO MECH MTL MIN MO NIC NO NOM NTS OC OD OPNG OPP PL PLYWD PRELIM PSI PTD P.T.

GAGE GALVANIZED GENERAL CONTRACTOR GLASS GPYSUM HEIGHT HOLLOW CORE HORIZONTAL HANDICAP HOLLOW METAL HEATING, VENTINALTION, & / INSIDE DIAMETER INCH INSULATION, INSULATED INTERIOR INCLUDED JANITOR'S CLOSET JOINT KITCHEN, KITCHENETTE LAVATORY LAMINATE MATERIAL MAXIMUM MEDIUM DENSITY OVERLAY MECHANICAL METAL MINIMUM MASONRY OPENING NORTH NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIAMETE OPENING OPPOSITE PLATE PLYWOOD PRELIMINARY POUNDS PER SQUARE INCH PAINTED PRESSURE TREATED

ABBREVIATIONS

	PVC	POLYVINYL CHLORIDE
	QT	QUARRY TILE
	R RD REINF REQD REV RM RO	RADIUS, RISER ROOF DRAIN, ROAD REINFORCEMENT REQUIRED REVISION ROOM ROUGH OPENING
AC	S SCH SCW SECT SHT SIM SL SPEC SQ STD STL SUSP S. STL	SOUTH SCHEDULE SOLD CORE WOOD SECTION SHEET SIMILAR SLOPE SPECIFICATION SQUARE STANDARD STEEL SUSPENDED STAINLESS STEEL
(T & G TEL TEMP TH, THK THRSLD TOS TOW TYP	TONGUE AND GROOVE TELEPHONE TEMPORARY THICK, THICKNESS THRESHOLD TOP OF STEEL, SLAB TOP OF WALL TYPICAL
	UNO	UNLESS NOTED OTHERWISE
	VCT VERT VEST VIF VWC	VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VINYL WALL COVERING
Н	W W/O WD WT WWF WWM	WIDTH, WASTE, WATER, WEST WITH WITHOUT WOOD WEIGHT WELDED WIRE FABRIC WELDED WIRE MESH

17 PARK STREET CITY OF ESSEX JUNCTION, VERMONT



DRAWING INDEX

ARCHITECTURAL SHEET LIST

SHEET #	SHEET NAME
A101	PARKING LEVEL PLAN
A102	FIRST FLOOR PLAN
A103	SECOND FLOOR PLAN
A104	THIRD FLOOR PLAN
A105	FOURTH FLOOR PLAN
A106	FIFTH FLOOR PLAN
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A901	PERSPECTIVE

	REVISIONS		
No.	Description	Date	550 Hinesburg Road
1	CITY SUBMISSION PACKAGE	02/06/24	South Burlington. VT 05403
2	COLORS REVISED	03/12/2024	802 863 0222 Babideau-Architects com
			Rahideau Architects















 (\neg)



<u>ROOF DECK</u> 156' - 6"

FIFTH FLOOR 146' - 0"

<u>FOURTH FLOOR</u> 135' - 0"



	E
E-1	SIDING TYPE ONE - STAND
E-2	SIDING TYPE TWO - FIBER
E-3	SIDING TYPE THREE - AZE
E-4	SIDING TYPE FOUR - FIBER
E-5	SIDING TYPE FIVE - FIBER HARDIE. COLOR: 'GANGPL/
E-6	SIDING TYPE SIX - FIBER (
E-7	GRANITE SILL AND STRET
E-8	BALCONIES - WOOD FRAM
E-9	ENTRY DOOR: SEE DOOR S COLOR AS SELECTED BY /
E-10	CORNICE - WOOD FRAMED APPROVED EQUAL.
E-11	TRIM BOARDS - 5/4 TRIM.
E-12	WINDOW / DOOR TRIM - PR
E-13	WINDOWS - VINYL / COMPC
E-14	STOREFRONT SYSTEM - F REQUIREMENTS SPECIFIE
E-15	CORNICE BRACKETS - BR/ METHOD.
E-16	MID-BUILDING BANDING - I PROVIDE PROFILED BANDI
E-17	BUILT UP SHADOW BOXES

EXTERIOR MATERIAL LEGEND

- NDARD MODULAR FACE BRICK RUNNING BOND, COLOR: GREY.
- R CEMENT LAP SIDING BY JAMES HARDIE. COLOR: DREAM SERIES 'DRIFTWOOD GRAY'.
- ZEK TIMBERTECH VERTICAL CLOSED JOINT CLADDING. COLOR: WEATHERED TEAK.
- ER CEMENT BOARD AND BATTEN SIDING BY JAMES HARDIE. COLOR: RUBBER MEETS THE ROAD.
- ER CEMENT PANELS BY JAMES HARDIE. COLOR: 'STONEHAVEN GRAY'. PROVIDE SURROUNDING FIBER CEMENT TRIM BOARDS BY JAMES 'LANK GRAY'.
- R CEMENT SIDING 'TUFFBLOCK'' SERIES BY NICHIA. COLOR: 'BAMBOO'.
- ETCHER COURSES. STYLE AND COLOR AS SELECTED BY ARCHITECT.
- MED BALCONY WITH GLASS RAILING SYSTEM.
- SCHEDULE FOR SIZE AND MATERIAL. DOORS MUST MEET U-VALUE SPECIFIED IN BUILDING ENVELOPE REQUIREMENTS ON SHEET A010. (ARCHITECT.
- ED PARAPET AND CORNICE. FACIA TO BE COMPOSITE TRIM BOARD. SOFFIT TO BE SHEATHED WITH FIBER CEMENT PANEL OR
- M. SIZES AS INDICATED. SMOOTH TEXTURE.
- PROVIDE 1x4 COMPOSITE TRIM AT ALL WINDOWS.
- POSITE WINDOWS. WINDOWS MUST MEET U-VALUE SPECIFIED IN BUILDING ENVELOPE REQUIREMENTS.
- FIBERGLASS OR ALUMINUM STOREFRONT SYSTEM AND INTEGRATED ENTRY DOORS. STOREFRONT MUST MEET U-VALUE IED IN BUILDING ENVELOPE REQUIREMENTS.
- RACKETS MADE WITH COMPOSITE POLYUREA, HIGH DENSITY URETHANE, GLASS FIBER REINFORCED GYPSUM OR OTHER APPROVED
- MADE WITH COMPOSITE POLYUREA, HIGH DENSITY URETHANE, GLASS FIBER REINFORCED GYPSUM OR OTHER APPROVED METHOD. DING.
- S WITH CABLE RAIL RAILING INFILL.

F	PRE N DN	ELI O ^T ST	MI T F RL	NAF OR JCT	RY ION
	Date	02/06/24	03/12/2024		
REVISIONS	No. Description	1 CITY SUBMISSION PACKAGE	2 COLORS REVISED		
EXTERIOR FI EVATIONS	EXTERIOR ELEVATIONS SCALE: 1/8" = 1'-0" 17 PARK STREET CITY OF ESSEX JUNCTION, VERMONT				
550 Hinesburg Road Suite 101 South Burlington. VT 05403 802 863 0222 Rabideau-Architects.com Architects.com					
PROJECT #: 2005 SHEET NUMBER					

	EXTERIOR MATERIAL LEGEND
E-1	SIDING TYPE ONE - STANDARD MODULAR FACE BRICK - RUNNING BOND. COLOR: GREY.
E-2	SIDING TYPE TWO - FIBER CEMENT LAP SIDING BY JAMES HARDIE. COLOR: DREAM SERIES - 'DRIFTWOOD GRAY'.
E-3	SIDING TYPE THREE - AZEK TIMBERTECH VERTICAL CLOSED JOINT CLADDING. COLOR: 'WEATHERED TEAK'.
E-4	SIDING TYPE FOUR - FIBER CEMENT BOARD AND BATTEN SIDING BY JAMES HARDIE. COLOR: 'RUBBER MEETS THE ROAD'.
E-5	SIDING TYPE FIVE - FIBER CEMENT PANELS BY JAMES HARDIE. COLOR: 'STONEHAVEN GRAY'. PROVIDE SURROUNDING FIBER CEMENT TRIM BOARDS BY JAMES HARDIE. COLOR: 'GANGPLANK GRAY'.
E-6	SIDING TYPE SIX - FIBER CEMENT SIDING - 'TUFFBLOCK'' SERIES BY NICHIA. COLOR: 'BAMBOO'.
E-7	GRANITE SILL AND STRETCHER COURSES. STYLE AND COLOR AS SELECTED BY ARCHITECT.
E-8	BALCONIES - WOOD FRAMED BALCONY WITH GLASS RAILING SYSTEM.
E-9	ENTRY DOOR: SEE DOOR SCHEDULE FOR SIZE AND MATERIAL. DOORS MUST MEET U-VALUE SPECIFIED IN BUILDING ENVELOPE REQUIREMENTS ON SHEET A010. COLOR AS SELECTED BY ARCHITECT.
E-10	CORNICE - WOOD FRAMED PARAPET AND CORNICE. FACIA TO BE COMPOSITE TRIM BOARD. SOFFIT TO BE SHEATHED WITH FIBER CEMENT PANEL OR APPROVED EQUAL.
E-11	TRIM BOARDS - 5/4 TRIM. SIZES AS INDICATED. SMOOTH TEXTURE.
E-12	WINDOW / DOOR TRIM - PROVIDE 1x4 COMPOSITE TRIM AT ALL WINDOWS.
E-13	WINDOWS - VINYL / COMPOSITE WINDOWS. WINDOWS MUST MEET U-VALUE SPECIFIED IN BUILDING ENVELOPE REQUIREMENTS.
E-14	STOREFRONT SYSTEM - FIBERGLASS OR ALUMINUM STOREFRONT SYSTEM AND INTEGRATED ENTRY DOORS. STOREFRONT MUST MEET U-VALUE REQUIREMENTS SPECIFIED IN BUILDING ENVELOPE REQUIREMENTS.
E-15	CORNICE BRACKETS - BRACKETS MADE WITH COMPOSITE POLYUREA, HIGH DENSITY URETHANE, GLASS FIBER REINFORCED GYPSUM OR OTHER APPROVED METHOD.
E-16	MID-BUILDING BANDING - MADE WITH COMPOSITE POLYUREA, HIGH DENSITY URETHANE, GLASS FIBER REINFORCED GYPSUM OR OTHER APPROVED METHOD. PROVIDE PROFILED BANDING.
E-17	BUILT UP SHADOW BOXES WITH CABLE RAIL RAILING INFILL.

Street_Base.dwg

NOTES:

- ASPECTS OF PLAN ARE APPROXIMATE AND DERIVED FROM AERIAL PHOTOGRAPHY. ADDITIONAL ASPECTS OF PLANS ON THE NEIGHBORING PROPERTIES ARE POSITIONED BASED ON PLANNING DOCUMENTATION FROM TRUDELL CONSULTING ENGINEERS, INC. INFORMATION, BUILDING LOCATION, AND BUILDING CONNECTIONS WILL NEED TO BE REVIEWED PRIOR TO CONSTRUCTION.
- THE HORIZONTAL COORDINATE SYSTEM IS BASED ON NAD83 VERMONT STATE PLANE 4400 (US SURVEY FEET). ELEVATIONS ARE BASED ON THE NAVD88 (US SURVEY FEET).
- EXISTING GROUND CONTOUR ELEVATIONS ARE BASED 2014 STATE OF VERMONT LIDAR AND FIELD SURVEY BY KREBS AND LANSING IN THE FALL OF 2022. KREBS AND LANSING SURVEYED ONLY AREA AROUND THE PROPOSED PROJECT.
- UTILITIES ARE NOT WARRANTED TO BE COMPLETE OR ACCURATE, CONTRACTOR SHALL CONTACT DIG SAFE BEFORE BEGINNING ANY EXCAVATION.
- THIS PLAN IS NOT A BOUNDARY SURVEY. THE PROPERTY LINES SHOWN ARE BASED ON TAX MAPPING AND ARE CONSIDERED APPROXIMATE PROPERTY LINES HAVE BEEN ADJUSTED BASE ON MONUMENTATION FOUND IN THE FIELD AND EVIDENCE IN AERIAL PHOTOGRAPHY. THIS PLAN IS NOT A BOUNDARY SURVEY, PROPERTY LINES SHOWN ARE BASED ON FIELD LOCATION OF PROPERTY MONUMENTS AND A BOUNDARY SURVEY PREPARED BY KREBS & LANSING CONSULTING ENGINEERS, INC. TITLED, "BOUNDARY SURVEY, PROPERTY OF ESSEX JUNCTION GRADED SCHOOL DISTRICT, "PARK STREET SCHOOL"", DATED JANUARY 21, 2005.

LEGEND
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IRON PIPE / CONCRETE MONUNMENT FOUND APPROXIMATE PROPERTY LINES EXISTING SEWER LINE/MANHOLE EXISTING STORM LINE/MANHOLE/BASIN EXISTING OVERHEAD ELECTRIC LINE/POWER POLE EXISTING UNDERGROUND POWER EXISTING WATER LINE/HYDRANT/VALVE/SHUTOFF EXISTING UNDERGROUND GAS SYSTEMS EXISTING UNDERGROUND COMMUNICATIONS PROPOSED GAS LINE/VALVE PROPOSED STORM LINE/MANHOLE/ BASIN PROPOSED ROOFTOP STORMWATER DRAIN PROPOSED STORM UNDERDRAIN AND CLEANOUT PROPOSED UNDERGROUND POWER PROPOSED UNDERGROUND COMMUNICATIONS PROPOSED OVERHEAD

POWER PROPOSED WATERSHED TO **BE INCLUDED IN STATE** STORMWATER PERMIT

PROJECT TRAFFIC

ALL VALUES CALCULATED BELOW WERE GENERATED USING VALUES PUBLISHED BY THE "INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) TRIP GENERATION MANUAL, 10TH EDITION". VALUES ARE LISTED AS VEHICLE TRIP ENDS (VTE) BASED ON SPECIFIC USES IN THE MANUEL. MANUEL USES USED IN ANALYSIS ARE: • RESIDENTIAL PLANNED UNIT DEVELOPMENT BASED ON NUMBER OF UNITS (MANUAL #270)

• HIGH TURNOVER (SIT-DOWN) RESTAURANT BASED ON NUMBER OF SEATS (MANUAL #932) GENERAL OFFICE BUILDING BASED ON NUMBER OF EMPLOYEES (MANUAL #710)

EXISTING ANALYSIS: TRAFFIC VALUES:

- 1 DWELLING UNIT
- WEEKDAY AVERAGE VTE = 1 UNITS * 7.38 VTE/PER UNIT = 8 VTE
- WEEKDAY AM PEAK HOUR VTE = 1 UNITS * 0.58 VTE/PER UNIT = 1 VTE • WEEKDAY PM PEAK HOUR VTE = 1 UNITS * 0.72 VTE/PER UNIT = 1 VTE
- 27 SEAT RESTAURANT
- WEEKDAY AVERAGE VTE = 27 SEATS * 4.37 VTE/PER SEAT = 118 VTE
- WEEKDAY AM PEAK HOUR VTE = 27 SEATS * 0.59 VTE/PER SEAT = 16 VTE
- WEEKDAY PM PEAK HOUR VTE = 27 SEATS * 0.73 VTE/PER SEAT = 20 VTE
- 10 EMPLOYEES SEAT RESTAURANT
- WEEKDAY AVERAGE VTE = 10 EMPLOYEES * 3.28 VTE/PER EMPLOYEES = 33 VTE
- WEEKDAY AM PEAK HOUR VTE = 10 EMPLOYEES * 0.47 VTE/PER EMPLOYEES = 5 VTI • WEEKDAY PM PEAK HOUR VTE = 10 EMPLOYEES * 0.43 VTE/PER EMPLOYEES = 5 VTE

EXISTING TOTALS:

- WEEKDAY AVERAGE VTE = 159 VTE • WEEKDAY AM PEAK HOUR VTE = 22 VTE
- WEEKDAY PM PEAK HOUR VTE = 26 VTE

PROPOSED TRAFFIC VALUES: • 53 DWELLING UNITS

- WEEKDAY AVERAGE VTE = 53 UNITS * 7.38 VTE/PER UNIT = 392 VTE
- WEEKDAY AM PEAK HOUR VTE = 53 UNITS * 0.58 VTE/PER UNIT = 31 VTE • WEEKDAY PM PEAK HOUR VTE = 53 UNITS * 0.72 VTE/PER UNIT = 39 VTE
- PROPOSED TRAFFIC INCREASES • WEEKDAY AVERAGE VTE = 233 VTE
- WEEKDAY AM PEAK HOUR VTE = 9 VTE
- WEEKDAY PM PEAK HOUR VTE = 13 VTE

Proposed building will be served by existing vault mounted transformer. Run new underground electrical connection to new building.

11 Park Street, LLC

Frank & Judith Naef

N/F

PROPOSED APARTMENT PROJECT WILL RESULT IN AN INCREASE OF 7,962 GPD FOR SEWER FLOWS AND 8,571 GPD SUBMITTED TO THE CITY OF ESSEX JUNCTION ON NOVEMBER 20, 2023. UNITS HAVE BEEN UPDATED AND THE

DRY, MANY LARGE ROOTS

PROMINENT BAND @ 36", FEW ROOTS

GENERAL CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DISTURBED AREAS BACK TO ORIGINAL CONDITION, INCLUDING BUT NOT LIMITED TO CURBING, SIDEWALKS, ROAD, PARKING AREAS, LANDSCAPING, SITE LIGHTING, ELECTRICAL, AND ETC. ALL ASPHALT SHALL BE SAW-CUT PRIOR TO PAVING.
- 2. THE METHODS AND MATERIALS OF CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS OF THE STATE OF VERMONT AND CITY OF ESSEX JUNCTION, ALL WORK SHALL BE IN CONFORMANCE WITH ALL PERMITS AND APPROVALS ISSUED FOR THE PROJECT. IN CASE OF CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY AS DIRECTED BY ENGINEER. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND COMPLETED IN THE TIME SPECIFIED BY OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS SHOWN AND REQUIRED TO MAKE THE JOB COMPLETE. THESE DRAWINGS DO NOT SHOW EVERY FITTING OR APPURTENANCE. MATERIALS SHALL BE AS SPECIFIED ON THE DRAWINGS. MANUFACTURER'S PRODUCT SPECIFICATIONS SHALL BE SUBMITTED FOR ALL MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- THE LOCATION AND SIZE OF EXISTING UNDERGROUND UTILITIES IS NOT WARRANTED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES AND SHALL CONTACT THE AFFECTED UTILITY COMPANY, THE ENGINEER AND THE MUNICIPALITY PRIOR TO MAKING ANY HOOK UPS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXISTING UTILITIES AND THEIR UNINTERRUPTED SERVICES. ALL OFF-SITE BACKFILL, SHEETING, SHORING, DEWATERING, CLEARING AND GRUBBING, EROSION CONTROL, DUST CONTROL, TRAFFIC CONTROL, GRADING, AND ALL INCIDENTALS SHALL BE INCLUDED AS PART OF THE REQUIRED WORK.
- 5. THE CONTRACTOR SHALL VERIFY ALL TEMPORARY BENCH MARKS BEFORE USE.
- 6. THE WORKMEN AND PUBLIC SHALL BE PROTECTED BY THE CONTRACTOR FROM ANY AND ALL HAZARDS CONNECTED WITH THE CONSTRUCTION WORK. OPEN TRENCHES, MATERIALS, OR EQUIPMENT WITHIN THE WORKING LIMITS ARE TO BE GUARDED BY THE USE OF ADEQUATE BARRICADES OR FLAGMEN. ALL BARRICADES LEFT IN POSITION OVERNIGHT ARE TO BE PROPERLY LIGHTED. KEROSENE POTS ARE NOT ACCEPTABLE. WHEN WORK NARROWS THE USABLE PAVEMENT, FLAGMEN SHALL BE EMPLOYED TO AID THE FLOW OF TRAFFIC SO THAT THERE WILL BE NO UNDUE DELAYS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE SAFETY OF ALL WORKMEN, THE GENERAL PUBLIC AND ALL DAMAGES TO PROPERTY OCCURRING FROM OR UPON THE WORK OCCASIONED BY NEGLIGENCE OR OTHERWISE GROWING OUT OF A FAILURE ON THE PART OF THE CONTRACTOR TO PROTECT PERSONS OR PROPERTY FROM HAZARDS OF OPEN TRENCHES, MATERIALS, OR EQUIPMENT AT ANY TIME OF THE DAY OR NIGHT WITHIN THE WORKING AREA. ALL WORK SHALL BE IN CONFORMANCE TO OSHA REGULATIONS, TITLE 19, PARTS 1926.651 AND 1926.652, AND APPLICABLE TO VOSHA REGULATIONS.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY INTERSECTIONS AND CONTACT ENGINEER AND OWNER WITH CONFLICTS.
- 8. THE CONTRACTOR SHALL CALL, DIG SAFE PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL CONTACT THE CITY OF ESSEX JUNCTION 48 HOURS IN ADVANCE OF ANY EXCAVATION SO THEY CAN MARK THE LOCATIONS OF UTILITIES NOT COVERED BY DIG SAFE.
- 9. THE CONTRACTOR SHALL COORDINATE FINAL LOCATION AND INVERTS FOR WATER. SEWER, AND STORM BUILDING CONNECTIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, AND MECHANICAL ENGINEER.
- 10. ALL STUMPS, ROCK, AND OTHER NON-APPROVED TRENCH BACKFILL MATERIAL DISCOVERED DURING CONSTRUCTION IS THE EXCLUSIVE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROPERTY AND DISPOSED OF IN A STATE APPROVED DISPOSAL LOCATION. ALL EXISTING SOILS REUSED FOR FILL SHALL CONFORM TO ALL APPLICABLE SECTIONS OF VTRANS SPECIFICATIONS SECTION 203-EXCAVATION & EMBANKMENTS.CONTRACTOR SHALL REVIEW SOIL INVESTIGATION REPORT AND SOILS LOGS PRIOR TO BID. ANY SOIL REUSED AS FILL UNDER ROADS AND APPLICABLE CONCRETE SIDEWALKS SHALL PASS A SUBGRADE PROOF ROLL WITH A LOADED TANDEM. FILL SOILS THAT DO NOT PASS A SUBGRADE PROOF ROLL SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 11. ALL PASSING SIEVE, PROCTOR, AND COMPACTION TESTING EXPENSES SHALL BE PAID BY OWNER. TESTING COORDINATION, ALL OTHER REQUIRED TESTING, AND EXPENSES FOR FAILED TESTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 12. THE CONTRACTOR SHALL CONTACT THE GREEN MOUNTAIN POWER (GMP) PRIOR TO ANY WORK IN THE VICINITY OF THE EXISTING ELECTRIC CONDUITS.
- 13. THIS PROJECT WILL LIKELY NOT REQUIRE COVERAGE UNDER AN STATE OF VERMONT GENERAL CONSTRUCTION STORMWATER DISCHARGE PERMIT. THE CONTRACTOR WILL STILL FOLLOW RULES, REGULATIONS, AND DIRECTION OUTLINED IN THE STATE OF VERMONT "LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL" FROM FEBRUARY 2020.THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MAINTAINING AND REMOVING ALL EROSION AND SEDIMENT CONTROL DEVICES SHOWN ON THE PLANS OR DETAILS AND, TO THE MAXIMUM EXTENT PRACTICAL, TO MINIMIZE POTENTIAL CONTAMINATION OF STORMWATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL "AS-BUILT" MEASUREMENT AND DRAFTING REQUIREMENTS AS OUTLINED ON THE DETAIL SHEETS. ALL TRENCH EXCAVATIONS SHALL REMAIN OPEN UNTIL ALL AS-BUILT SURVEY SHOTS HAVE BEEN TAKEN. PROGRESS RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AS INDICATED IN THE RECORD DRAWING SPECIFICATIONS.
- 15. SEE EROSION CONTROL AND LOGISTICS PLANS FOR LOCATIONS OF STAGING / STORAGE AREAS.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SIGNAGE AND CONSTRUCTION BARRIER/SAFETY FENCING NECESSARY FOR PROVIDING SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH OR AROUND THE SITE DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE THIS WITH THE CITY OF ESSEX JUNCTION AND THE CITY OF ESSEX JUNCTION DEPARTMENT OF PUBLIC WORKS.
- 17. DEFINITION OF "PRECONSTRUCTION EXCAVATION" FOR THESE CONTRACT DOCUMENTS SHALL BE: THE SITE CONTRACTOR SHALL EXPOSE UTILITIES AND OBTAIN ALL NECESSARY INFORMATION. INCLUDING BUT NOT LIMITED TO, INVERT ELEVATION, SIZE, DEPTH, PIPE TYPE. JOINT LOCATION, ETC. CONTRACTOR SHALL TRANSIT SURVEY THE LOCATION AND ELEVATIONS OF THE UTILITY. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SKETCHES INDICATING HORIZONTAL AND VERTICAL INFORMATION OF PIPE OR CONDUIT TYPE AND SIZE. CROSS-SECTION INFORMATION, CONCRETE ENCASEMENT INFORMATION (TOP AND BOTTOM ELEVATIONS, WIDTH, ETC.), JOINT LOCATION, ETC. OF EACH REQUIRED EXISTING UNDERGROUND UTILITY. ACCURACY OF HORIZONTAL LOCATION IS WITHIN 1 FOOT, AND ACCURACY OF VERTICAL ELEVATION IS WITHIN 0.02 FT. (1/4"). COORDINATE ALL EXCAVATION WITH CITY, OWNER, AND ENGINEER. PRECONSTRUCTION EXCAVATIONS SHALL OCCUR PRIOR TO ORDERING STRUCTURES AND PRIOR TO UTILITY CONSTRUCTION TO FACILITATE REDESIGN AND/OR DESIGN CONFIRMATION.
- 18. THE LOCATION OF THE PRECONSTRUCTION EXCAVATION SYMBOLS DOES NOT NECESSARILY INDICATE THE LOCATION OF THE BURIED UTILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIND AND EXPOSE THE UTILITY.
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS OF IMPORTING AND PLACING TOPSOIL AND/OR COMPOST NECESSARY TO COMPLETE THE PROJECT. CONTRACTOR SHALL TEST TOPSOIL FOR APPROVAL BY THE OWNER AND ENGINEER.
- 20. ALL SEWER AND STORM PIPES SHALL BE PVC SDR 35 UNLESS OTHERWISE NOTED. ALL NEW SANITARY AND STORM PIPES SHALL BE LAID WITH A LASER TO ELEVATION AND SLOPE AS SHOWN ON THE PLANS.
- 21. CORE AND BOOT ALL EXISTING STRUCTURES UNLESS OTHERWISE NOTED.
- 22. ALL NEW CATCH BASINS AND SANITARY SEWER MANHOLE MUST HAVE ONE 6" PRECAST CONCRETE GRADE RING.
- 23. ALL WATERLINE PIPE SHALL BE DOUBLE CEMENT LINED DUCTILE IRON PIPE, CLASS 52. ALL BENDS AND FITTINGS SHALL HAVE POURED IN PLACE CONCRETE THRUST BLOCKS, REDI-MIX AND SACRETE IS NOT ACCEPTABLE.
- 24. TEMPORARY GROUNDWATER, STORMWATER, AND SEWER BY-PASS PUMPING AND/OR DIVERSION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PUMPS AND EQUIPMENT TO PERFORM THE WORK. OVERNIGHT PUMPING IS NOT ALLOWED.
- 25. ALL SIDEWALKS SHALL HAVE 2% MAXIMUM CROSS SLOPE. ALL RAMPS AND STAIRS SHALL HAVE A LANDING AT THE BOTTOM WITH A MAXIMUM SLOPE OF 2% FOR 5 FEET.
- 26. CONTRACTOR TO PIN CONCRETE SIDEWALK/SLABS TO ALL CONTACT POINTS WITH STAIRS, BUILDING, BIKE SLAB, RETAINING WALLS, ETC.
- 27. CONTRACTOR SHALL MAINTAIN FULL OCCUPANCY AND FIRE DEPARTMENT ACCESS TO ALL SURROUNDING BUILDINGS. COORDINATE ALL TEMPORARY ACCESS WITH THE MUNICIPALITY.
- 28. BURIED NATURAL GAS IS SHOWN FOR ALIGNMENT PURPOSES ONLY. CONTACT VERMONT GAS SYSTEMS FOR DESIGN AND DETAILS OF NEW GAS LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION, BACKFILL, AND RESTORATION FOR THE CONSTRUCTION OF THE NATURAL GAS LINES. VERMONT GAS SYSTEMS WILL PROVIDE THE PIPING, LABOR TO INSTALL, AND TESTING FOR THE NEW GAS MAIN. COORDINATE WORK AND ALL GAS SHUT DOWN PROCEDURES WITH THE OWNER.
- 29. REMOVAL OF ALL EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 30. AT THE END OF THE PROJECT, CLEAN THE SUMPS OF ALL NEW AND EXISTING CATCH BASINS AND STORM MANHOLES WITHIN THE PROJECT LIMITS. FOR BASINS WITHIN THE CITY STREET, CONTRACTOR IS REQUIRED TO NOTIFY THE CITY OF ESSEX JUNCTION UPON COMPLETION OF CATCH BASIN CLEANING SO THE CITY CAN INSPECT THE WORK PERFORMED.
- 31. ELECTRICAL AND LIGHTING ARE SHOWN FOR ILLUSTRATIVE/COORDINATION PURPOSES ONLY, REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR DESIGN.
- 32. SEE LANDSCAPE AND/OR STRUCTURAL PLANS FOR ALL RETAINING WALLS, UTILITY PADS, STAIRS, AND EXTERIOR CONCRETE AT DOORS.
- 33. REFER TO PLUMBING, MECHANICAL AND/OR FIRE PROTECTION PLANS FOR WATER, SEWER AND STORM DESIGN WITHIN FIVE FEET OF THE BUILDING.

EPSC GENERAL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PRACTICES SHALL BE IMPLEMENTED IN ALL AREAS WHERE THERE IS AN INCREASED RISK OF EROSION, AND WHERE THERE IS POTENTIAL FOR DISCHARGE OF STORMWATER RUNOFF (EITHER DIRECT OR INDIRECT) TO A WATER BODY.
- EPSC MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES WITHIN A GIVEN DRAINAGE AREA WITH THE EXCEPTION OF LAND DISTURBANCE THAT MAY RESULT FROM ACCESSING THE AREA(S) WITH EQUIPMENT IN WHICH EPSC MEASURES ARE TO BE INSTALLED. THIS EXCEPTION INCLUDES LAND DISTURBANCE THAT MAY RESULT FROM ACCESS OF EQUIPMENT THAT IS NEEDED FOR: EXPLORATION AND/OR EPSC MEASURE INSTALLATION PHASES OF THE PROJECT. TEMPORARY SEDIMENT BASINS, TEMPORARY SEDIMENT TRAPS, PERIMETER DIKES, TEMPORARY SEDIMENT BARRIERS, AND OTHER TEMPORARY MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE WITH THE EXCEPTION OF THOSE ACTIVITES STATED ABOVE. EARTH DISTURBANCE INCLUDES STUMPING AND GRUBBING OF CLEARED AREAS.
- EPSC MEASURES SHALL BE INSTALLED PURSUANT TO THE EPSC PLAN, THE 2020 STATE OF VERMONT LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL, THE 2020 VERMONT EROSION PREVENTION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS, AND/OR ANY OTHER RELEVANT PROJECT PERMITS.
- 4. ALL PROPOSED CHANGES SHALL BE APPROVED BY THE ON-SITE PLAN COORDINATOR (OSPC) OR HIS/HER DESIGNEE PRIOR TO IMPLEMENTATION.
- 5. NO MAJOR CLEARING/LOGGING ACTIVITIES ARE PROPOSED FOR THE PROJECT.
- 6. PERMISSION MUST BE GRANTED BY VT DEC PRIOR TO USE OF ANY SUPPORT ACTIVITIES OCCURRING OUTSIDE OF THE APPROVED PROJECT BOUNDARIES.
- ALL PARTIES ASSOCIATED WITH CONSTRUCTION ACTIVITIES WHO MEET EITHER OF THE FOLLOWING TWO CRITERIA OF "PRINCIPAL OPERATOR" MUST OBTAIN COVERAGE UNDER THE CONSTRUCTION STORMWATER DISCHARGE PERMIT FOR THE PROJECT
- PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES BY THAT OPERATOR: A. THE PARTY HAS OPERATIONAL CONTROL OVER CONSTRUCTION PLANS AND SPECIFICATION, INCLUDING BUT NOT LIMITED TO THE ABILITY TO MAKE MODIFICATIONS TO THOSE PLANS AND SPECIFICATIONS; OR
- B. THE PARTY HAS CONTINUOUS DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT THE PROJECT THAT ARE NECESSARY TO ENSURE COMPLIANCE WITH AN EPSC PLAN FOR THE SITE OR OTHER PERMIT CONDITIONS (E.G., THEY ARE AUTHORIZED TO DIRECT WORKERS AT A SITE TO CARRY OUT ACTIVITIES REQUIRED BY THE EPSC PLAN OR COMPLY WITH OTHER PERMIT CONDITIONS).

EPSC CONSTRUCTION NOTES:

- 1. EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED TO THE EXTENT PRACTICABLE.
- 2. A VEGETATED BUFFER SHALL BE MAINTAINED FOR WATER BODIES WHERE FEASIBLE (E.G., WETLANDS AND STREAMS).
- 3. TO THE EXTENT PRACTICABLE, SURFACE FLOW SHALL BE DIVERTED AWAY FROM EXPOSED SOILS VIA DIVERSION BERMS, EARTH DIKES, PERIMETER DIKES/SWALES, TEMPORARY SWALES, WATER BARS, AND/OR CHECK DAMS,
- RESOURCE AREAS (E.G., WETLANDS, STREAMS, RTE PLANT SPECIES) SHALL BE FLAGGED PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES OCCURRING WITHIN CLOSE PROXIMITY TO THOSE AREAS.
- 5. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT VIOLATE WATER QUALITY STANDARDS OR CONTRIBUTE TO EROSION. DEWATERING DETAILS SHALL BE REVIEWED AND APPROVED BY OSPC PRIOR TO USE.
- CONCENTRATED RUNOFF SHALL NOT FLOW DOWN STEEP SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL (SEE DETAILS), FLUME, OR SLOPE DRAIN STRUCTURE.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA: A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME. B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES, WHERE FEASIBLE. BUT NOT IN RESOURCE AREAS.
- 8. WHERE FEASIBLE, ALL SEDIMENT REMOVED FROM SEDIMENT CONTROL PRACTICES AS PART OF MAINTENANCE SHALL BE DISPOSED OF IN AN AREA THAT IS AT LEAST ONE OF THE FOLLOWING, WITH IMMEDIATE STABILIZATION FOLLOWING DISPOSAL OF MATERIAL: A. LESS THAN 5±% SLOPE
- B. AT LEAST 100 FEET FROM ANY DOWNSLOPE WATER BODY OR CONVEYANCE TO A WATER BODY, INCLUDING A DITCH C. VEGETATED
- 9. DISTURBED AREAS BORDERING OR DRAINING TO EXISTING ROADS SHALL HAVE AN APPROPRIATE SEDIMENT BARRIER (E.G., SILT FENCE) SPANNING THE EDGE OF THE DISTURBANCE TO PREVENT WASHING OF SEDIMENT ONTO ROADWAYS OR INTO ROAD DITCHES.
- 10. IN ADVANCE OF PREDICTED RAINFALL OR SNOWMELT, ALL EPSC MEASURES THAT ARE LOCATED IN ACTIVE AREAS OF EARTH DISTURBANCE SHALL BE INSPECTED AND REPAIRED, AS NEEDED. IF NECESSARY, THIS SHALL INCLUDE TEMPORARY STABILIZATION OF ALL DISTURBED SOILS ON THE SITE IN ADVANCE OF THE ANTICIPATED RUNOFF PERIOD.
- 11. DUST CONTROL SHALL BE HANDLED VIA WATER APPLICATION TO ROADWAYS AND OTHER AREAS WHERE DUST MAY BE GENERATED.

GENERAL GRADING AND SITE WORK NOTES

- ALL AREA DISTURBED AND ALL AREAS WITHIN THE CLEARING LIMITS SHALL BE GRADED AND COVERED WITH A MINIMUM OF 6" OF LOAM TOPSOIL. ADDITIONAL TOPSOIL DEPTHS AND SPECIFICATIONS MAY BE OUTLINED BY THE LANDSCAPE ARCHITECT FOR SPECIFIC AREAS. THE AREAS TO BE LOAMED SHALL BE FREE AND CLEAR OF ROOTS, WASTE MATERIAL AND OTHER DELETERIOUS MATERIAL. TOPSOIL SHALL BE SPREAD AND LIGHTLY COMPACTED TO A DEPTH OF 6". TOPSOIL SHALL BE APPROVED BY THE ENGINEER AND/OR LANDSCAPE ARCHITECT. ALL SIDE SLOPES ARE TO BE LOAMED.
- 2. ALL TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH SECTION 651 OF THE VT STANDARD SPECIFICATIONS 2018 AND THE MUNICIPALITY SPECIFICATIONS. MULCHING SHALL FOLLOW SEEDING BY NO MORE THAN 24 HOURS.
- 3. ALL CUT SLOPES SHALL BE NO STEEPER THAN 2.0H ON 1.0V. ALL FILL SLOPES SHALL BE NO STEEPER THAN 2.0H ON 1.0V.
- 4. THE CONTRACTOR SHALL NOT DISTURB ANY GROUND BETWEEN OCTOBER 15TH BETWEEN APRIL 15TH WINTER MONTHS, UNLESS APPROVED BY THE ENGINEER.
- 5. TEMPORARY SILT FENCE SHALL BE ERECTED PRIOR TO ANY CLEARING OR CONSTRUCTION. FENCING MAY BE ERECTED IN PHASES, BUT IN NO CASE SHALL GROUND DISTURBANCE PROCEED FENCING. SPECIAL AREAS MAY BE DESIGNATED BY THE OWNER FOR PRESERVATION OF EXISTING TREES. THESE AREAS SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE NO DAMAGE IS DONE TO DESIGNATED TREES.
- EXISTING PLANTINGS ARE LOCATED IN GENERAL AREAS AS SHOWN ON THIS PLAN. CONTRACTOR SHALL PROTECT PLANTINGS SO AS NOT TO DAMAGE THESE OR THEIR ROOT SYSTEMS.
- SLOPE STABILITY BASED UPON UNSATURATED SOIL CONDITIONS. IF DURING CONSTRUCTION SATURATED SOILS ARE ENCOUNTERED, CONTACT THE ENGINEER IMMEDIATELY.

WATER & SEWER CONSTRUCTION NOTES

- CONTRACTOR SHALL SUBMIT, FOR APPROVAL BY THE ENGINEER, ALL TYPES OF MATERIALS AND PRODUCTS USED.
- DISTRIBUTION MATERIALS MUST COMPLY WITH THE CURRENT ESSEX JUNCTION WATER DEPARTMENT'S SPECIFICATIONS.
- ENGINEER AND/OR FIRE PROTECTION PLANS FOR SCOPE, DESIGN AND SPECIFICATIONS WITHIN 5 FT, OF THE BUILDING.
- PLANS SHALL BE SUBMITTED TO THE CITY PRIOR TO CONSTRUCTION OF THE WATER SYSTEM IMPROVEMENTS.
- APPURTENANCES, THRUST BLOCKS, WATER LINE CROSSINGS, AND TESTING PRIOR TO OCCURRENCE OR BACKFILLING.
- PREVENTION WITH THE CITY AND ESSEX JUNCTION WATER DEPARTMENT.

WATER MAINS

- APPLIES TO NEW DOMESTIC WATER MAINS AND SERVICES.
- EACH JOINT. THE PIPE FOR WATER SERVICES LESS THAN 2" SHALL BE K-COPPER.
- NECESSARY TO COMPLY WITH OSHA VOSHA REGULATIONS.
- QUANTITY OF MAKEUP WATER IS GREATER THAN THAT DETERMINED BY THE FOLLOWING FORMULA:

L = TESTING ALLOWANCE (MAKEUP WATER), IN GALLONS PER HOUR L = SD√P S = LENGTH OF PIPE TESTED, IN FEET 148,000 D = NOMINAL PIPE DIAMETER, IN INCHES P = AVERAGE TEST PRESSURE DURING THE HYDROSTATIC TEST, IN POUNDS PER SQUARE INCH (GAUGE)

- TESTED BY THE VERMONT HEALTH DEPARTMENT OR OTHER APPROVED LAB.
- WATER SUPPLY COMPANY, AND THE ENGINEER. REFER TO FLUSHING REQUIREMENTS ON C-2.01 FOR FIRE SERVICE MAINS.

SANITARY SEWER

- (11/06/2023).
- FURTHER TESTING REQUIREMENTS FOR MANHOLES CAN BE FOUND IN THE CITY OF ESSEX JUNCTIONS LDC SECTION 115.D.6.
- 115.D.6.
- DATE/TIME.
- VISIT.

ADDITIONAL NOTES AND TESTING REQUIREMENTS

- 1. IN ADDITION TO THE ABOVE REQUIREMENTS AND APPLIES TO WATER AND SANITARY SEWER.
- (11/06/2023) AND THE CHAPTER 21 WATER SUPPLY RULES (03/17/2020) (THE MORE STRINGENT RULE SHALL APPLY).
- LINE. PROVIDE MINIMUM OF 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND STORM/SANITARY SEWER CROSSING.
- RECORDED IN ACCORDANCE WITH THE OUTLINED PROCEDURES.
- COMPLETION OF THE WATER AND SANITARY SYSTEMS.
- SCHEDULE WITHIN 48 HOURS OF THE CONTRACTOR REQUESTED TEST DATE/TIME.
- 8. THE CONTRACTOR SHALL PRE-TEST WATER FOR 2 HOURS. THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF PRE-TEST FAILED.
- VISIT.
- REQUIRED SECTIONS OF NEW LINE EXPOSED UNTIL MUNICIPALITY HAS INSPECTED AND APPROVED IT.

ALL SEWER, WATER, AND STORM DRAINAGE UTILITIES INSTALLED ON THE PROJECT SIDE TO BE OBSERVED BY AN AUTHORIZED REPRESENTATIVE OF THE CITY OF ESSEX JUNCTION PRIOR TO BACKFILLING THE UTILITY BEING INSTALLED

THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION OF WATER MAIN. STORM AND SANITARY SEWER SYSTEMS AS SHOWN ON THE PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NECESSARY ADAPTERS, FITTINGS, ETC. TO MAKE CONNECTIONS TO THE EXISTING AND PROPOSED UNITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK SHOWN OR IMPLIED ON THE PLANS AND/OR REFERENCED IN THE SPECIFICATIONS AND PERMITS. THE

2. THE CONTRACTOR SHALL COORDINATE ALL WORK ON THE WATER SUPPLY SYSTEM WITH THE OWNER, THE CITY OF ESSEX JUNCTION, CITY OF ESSEX JUNCTION DEPARTMENT OF PUBLIC WORKS, ESSEX JUNCTION WATER DEPARTMENT (EWD), AND THE CIVIL ENGINEER. ALL WATER INSTALLATION WORK AND WATER

3. THESE PLANS ARE NOT RESPONSIBLE FOR DESIGN OF WATER AND SEWER SERVICES WITHIN 5 FEET OF THE BUILDING. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING THE SERVICES TO THE PLUMBING AND/OR FIRE SYSTEM CONNECTION WITHIN THE BUILDING. SEE PLUMBING ENGINEER, MECHANICAL

4. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS AND APPURTENANCES TO COMPLETE THE WATERLINE CONSTRUCTION WORK. THIS INCLUDES TEMPORARY FITTINGS AND GAUGES NECESSARY TO SAFELY COMPLETE THE FLUSHING ACTIVITIES REQUIRED PRIOR TO MAKING CONNECTIONS WITH BUILDING PLUMBING.

5. THE PROJECT SHALL BE CONSTRUCTED, COMPLETED, MAINTAINED, AND OPERATED IN ACCORDANCE WITH THE APPROVED PLANS. NO CHANGES SHALL BE MADE IN THE PROJECT WITH OUT THE WRITTEN APPROVAL OF THE CITY, ESSEX JUNCTION WATER DEPARTMENT, AND THE CIVIL ENGINEER. A COPY OF THE FINAL APPROVED

6. THE CITY AND ESSEX JUNCTION WATER DEPARTMENT SHALL BE NOTIFIED IN ADVANCE TO INSPECT ALL MECHANICAL JOINTS FITTINGS, MAIN LINE TAPS,

7. ALL DOMESTIC SERVICES AND FIRE SPRINKLER SYSTEMS THAT ARE CONNECTED TO THE PUBLIC WATER SYSTEM SHALL BE PROTECTED WITH A BACKFLOW PREVENTION ASSEMBLY, AND AN APPROPRIATE THERMAL EXPANSION SYSTEM. THE MECHANICAL CONTRACTOR SHALL COORDINATE APPROVED BACKFLOW

2. THE PIPE FOR WATER MAIN GREATER THAN 2" SHALL BE CL52 DOUBLE CEMENT LINED DUCTILE IRON. DUCTILE IRON FITTINGS SHALL CONFORM TO AWWA C110, 350 POUNDS WORKING PRESSURE, VALVES SHALL BE MANUFACTURED TO MEET ALL REQUIREMENTS OF AWWA SPECIFICATION C509 OR C515, FOUR-INCH AND SIX-INCH PIPE SHALL HAVE NO LESS THAN 2 BRASS WEDGES INSTALLED AT EACH JOINT. EIGHT-INCH AND TEN-INCH PIPE SHALL HAVE NO LESS THAN 3 WEDGES INSTALLED AT

3. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C600. THE PIPE SHALL BE KEPT FREE OF FOREIGN MATTER AND DEBRIS DURING INSTALLATION. WHEN THE PROCESS OF PIPE LAYING HAS STOPPED, ANY OPEN ENDS OF PIPE SHALL BE PLUGGED. THERE SHALL BE A MINIMUM OF 6'-0" COVER OVER ALL PIPE AND SERVICE LINES. ANY PIPE DEFLECTION SHALL NOT EXCEED FIFTY (50%) PERCENT OF RECOMMENDED MANUFACTURER'S MAXIMUM DEFLECTION. BACKFILL MATERIALS AND PROCEDURES SHALL BE AS DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL SHEETING AND/OR SHORING

4. THE TESTING OF THE WATER MAIN SHALL CONSIST OF THE TESTING OF ALL INSTALLED PIPE, SERVICES AND HYDRANTS IN ACCORDANCE WITH AWWA C600. THE TESTING SHALL CONSIST OF A PRESSURE TEST AND LEAKAGE TEST. ALL TESTING SHALL BE DONE WITH POTABLE WATER AND IN THE PRESENCE OF THE ENGINEER, REPRESENTATIVES FROM THE MUNICIPALITY AND THE MUNICIPALITY PUBLIC WORKS. THE PRESSURE TEST CONSISTS OF MAINTAINING A MINIMUM INTERNAL PIPE PRESSURE OF 200 PSI FOR TWO (2) HOURS. THE TESTING ALLOWANCE SHALL BE DEFINED AS THE MAXIMUM QUANTITY OF MAKEUP WATER THAT IS ADDED INTO A PIPELINE UNDERGOING HYDROSTATIC PRESSURE TESTING, OR ANY VALVED SECTION THEREOF, IN ORDER TO MAINTAIN PRESSURE WITHIN +/- 5 PSI OF THE SPECIFIED TEST PRESSURE (AFTER THE PIPELINE HAS BEEN FILLED WITH WATER AND THE AIR HAS BEEN EXPELLED). NO PIPE INSTALLATION WILL BE ACCEPTED IF THE

CHLORINATING OF THE SYSTEM SHALL BE ACCOMPLISHED AFTER THE WATER MAIN HAS BEEN SUCCESSFULLY PRESSURE TESTED AND THOROUGHLY FLUSHED. DISINFECTING SHALL BE IN ACCORDANCE WITH AWWA C-651. THE DISINFECTING PROCESS SHALL BE DEEMED ACCEPTABLE ONLY AFTER TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN FROM THE FLUSHED AND DISINFECTED MAIN 24 HOURS APART, SHOWS NO EVIDENCE OF BACTERIOLOGICAL CONTAMINATION, FOR PROPER DISINFECTION USE MINIMUM 25 MG/L CHLORINE CONCENTRATION FOR 24 HOURS. THE CONCENTRATION MUST REMAIN ABOVE 10 MG/L. TABLET DISINFECTING IS NOT ACCEPTABLE. DECHLORINATION SHALL BE REQUIRED WHILE FLUSHING THE ORIGINAL CHLORINE FROM THE NEW LINE. COORDINATE WITH THE THE MUNICIPALITY AND THE MUNICIPALITY PUBLIC WORKS REGARDING THE THE DISPOSAL OF THE HIGHLY CHLORINATED WATER FLUSHED FROM THE NEW WATERLINE. PRIOR TO WATER SERVICES BEING USED FOR POTABLE WATER, CONTRACTOR SHALL BACTERIA TEST THE WATER SOURCE FROM AN INTERIOR FIXTURE AND GET IT

6. THE WATER MAIN SHALL BE THOROUGHLY FLUSHED WITH A MINIMUM FLOW VELOCITY OF 2.5 FT/S TO FLUSH FOREIGN MATERIALS OUT OF THE VALVES AND HYDRANTS. AT LEAST 48 HOURS PRIOR TO WATERLINE FLUSHING, THE CONTRACTOR SHALL CONTACT THE OWNER, MUNICIPALITY FIRE DEPARTMENT, THE DISTRICT

ALL SEWER LINES AND MANHOLES SHALL BE THOROUGHLY TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION RULES

2. ALL SANITARY MANHOLES SHALL BE VACUUM TESTED IN THE PRESENCE OF THE ENGINEER. THE STRUCTURE SHALL BE TESTED PRIOR TO BACKFILL WITH THE LOWEST SEAM EXPOSED. TEST PROCEDURES AND PRESSURE SHALL BE DETERMINED JOINTLY BY THE LOCAL APPROVAL AGENCY AND THE ENGINEER. FAILURE OF ANY VACUUM TEST SHALL NECESSITATE REPAIR AND/OR REPLACEMENT OF THE STRUCTURE AND RETEST. WATER TESTING MANHOLES IS NOT ACCEPTABLE.

3. ALL SANITARY MAINS SHALL BE AIR TESTED IN THE PRESENCE OF THE ENGINEER. AT A MINIMUM, THE TEST PRESSURE SHALL BE 4 POUNDS PER SQUARE INCH AT TH HIGHEST POINT ALONG THE TEST FOR 4 MINUTES. SANITARY LINES SHALL ALSO BE TESTED TO THE REQUIREMENTS OF THE CITY OF ESSEX JUNCTIONS LDC SECTION

4. UTILITY TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING SANITARY TESTING AT A MINIMUM OF 24 HOURS PRIOR TO THE TEST. BASED ON AVAILABILITY OF ENGINEER'S STAFF. THE ENGINEER SHALL ACCOMMODATE THE TESTING SCHEDULE WITHIN 24 HOURS OF THE CONTRACTOR REQUESTED TEST

5. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF PRE-SCHEDULED TESTING AND/OR WATER/SEWER CONSTRUCTION IS CANCELED. IF CONTRACTOR DOES NOT CONTACT ENGINEER AND ENGINEER VISITS THE SITE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEER'S FEES/MILEAGE FOR SITE

2. ALL WATER LINES AND SEWER LINES SHALL BE THOROUGHLY TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION RULES

3. ALL PRIVATE OR MUNICIPAL WATERLINES SHALL BE TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN AWWA C600 AND/OR NFPA

4. NO WATER MAIN SHALL BE CLOSER THAN TEN (10) FEET TO ANY SANITARY SEWER OR SANITARY MANHOLE AND FIVE (5) FEET TO ANY CATCH BASIN OR STORM SEWER

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AS-BUILTS TO SERVICE LOCATIONS, AND ANY WATER MAIN FITTINGS. AS-BUILTS SHALL BE

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ENGINEER AND A REPRESENTATIVE FROM THE CITY OF ESSEX JUNCTION AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION ON ANY PORTION OF THE EXTERIOR WATER OR SANITARY SYSTEMS. THIS NOTIFICATION REQUIREMENT SHALL CONTINUE TO THE

UTILITY TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING WATER AND SANITARY TESTING, WITH THE ENGINEER AND MUNICIPALITY PUBLIC WORKS, AT A MINIMUM OF 48 HOURS PRIOR TO THE TEST. BASED ON AVAILABILITY OF ENGINEER'S STAFF, THE ENGINEER SHALL ACCOMMODATE THE TESTING

9. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF PRE-SCHEDULED TESTING AND/OR WATER/SEWER CONSTRUCTION IS CANCELED. IF CONTRACTOR DOES NOT CONTACT ENGINEER AND ENGINEER VISITS THE SITE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEER'S FEES/MILEAGE FOR SITE

10. THE CONTRACTOR SHALL COORDINATE WATER/SEWER CONSTRUCTION WITH THE MUNICIPALITY. THE CONTRACTOR SHALL LEAVE THRUST BLOCKS AND OTHER

17 PARK

17 Park Street City of Essex Junction, Vermont

ISSUED FOR PERMIT REVIEW NOT FOR CONSTRUCTION

OWNER:

Handy Hotels & Rentals LLC 241 Pearl Street Essex Junction, Vermont 05495

APPLICANT Milot Real Estate c/o Brett Grabowski 32 Seymour Street #101 Williston, Vermont 05495

PROPERTY INFORMATION: CITY OF ESSEX JUNCTION: Address: 17 Park Street Parcel ID: 1028034000 SPAN: 207-066-12977 Area: 0.51 Acres (±22,190 s.f.) Zoning: Village Center

STAMP:

REVISIONS/COMMENTS DATE Revisions per City comments 03/12/24

DRAWING TITLE:

treet_Base.dwg

DETAILS

DATE ISSUED: 02/09/24 DRAWN BY: GTD

CHECKED BY: ROJECT NO.: 23283 SCALE: N/A DRAWING NO REV. NO.:

C-2.00

MATCH EXISTING ADJACENT MATERIAL (GRASS, GRAVEL, MULCH, ETC)	ID IN SAME SEASON AS BASE, SE COURSE CLEAN AND APPLY MENT PRIOR TO LAYING TOP 3.5" BIT. CONC. 1.5" TYPE III - TOP	ADJACENT SURFA MATERIAL VARII SEE SITE PLA
EXTEND FULL DEPTH OF CRUSHED GRAVEL SUBBASE 12" (MIN.) BEYOND EDGE OF PAVEMENT.	 2" TYPE II - BASE 4" LEVELING COURSE (704.05, 20" DENSE GRADED CRUSHED (704.06) ALTERNATIVE MATERIA IDENTIFIED IN SECTION 301 - 	FINE) CONCRETE
MIRAFI 500X, OR APPROVED EQUAL. OVERLAP MINIMUM OF 2'. LAY FLAT AGAINST SUBGRADE. (NO FOLDS OR WRINKLES)	SUBBASE ARE NOT ALLOWED. CONTRACTOR SHALL SHAPE AND ROLL SUBGRADE TO REFLECT FINISH GRADE DRAINAGE PRIOR TO INSTALLING	MIRAFI 500X, OR APPROVED EQUAL. OVERLAP MINIMUM OF 2'. LAY FLAT AGAINST SUBGRADE. (NO FOLDS OR WRINKLES)
THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN CONFORMANCE WITH THE DESIGN GRADES THEN, IN THE PRESENCE OF THE ENGINEER, SHALL PROOF ROLL THE SUBGRADE WITH A LOADED TANDEM DUMP TRUCK. CONDITIONS MAY REQUIRE THE REMOVAL OF UNSUITABLE MATERIAL AND PLACEMENT OF ADDITIONAL SUBBASE. THE OWNER MUST APPROVE ANY WORK INVOLVED WITH THE REMOVAL OF UNSUITABLE MATERIAL AND PLACEMENT OF ADDITIONAL SUBBASE.	MIRAFI 500X. IRBED MATERIAL OR TED FILL (SEE NOTE 14 DNSTRUCTION NOTES) ALL ORGANICS PLACING FABRIC. UT CURB	THE CONTRACTOR SHALL PREPA WITH THE DESIGN GRADES THEN SHALL PROOF ROLL THE SUBO TRUCK. CONDITIONS MAY RE MATERIAL AND PLACEMENT OF ADD APPROVE ANY WORK INVOLVE MATERIAL AND
GRAVEL NOTES 1. THE CONTRACTOR TO TAKE SIEVE ANALYSIS OF GRAVEL AS SOON IT A	RRIVES ON SITE OR NO	DTES FOR CONCRETE CURB
REQUIRE QUARRY TO PROVIDE A CERTIFIED ANALYSIS FOR ENGINEER	S REVIEW. 1.	BROOM FINISH CONCRETE, ALL JOIN JOINT FILLER, SCORE 1/3 TOTAL DEP
PAVEMENT IS PROHIBITED.	LACEMENT OF 2	APPLY 2 COATS OF CERTI-VEX AC 13 MANUFACTURER'S SPECIFICATIONS.
 IF GRAVEL IS CONTAMINATED AFTER PLACEMENT, THE SITE CONTRACT RESPONSIBLE REMOVAL OF ALL CONTAMINATED GRAVEL AND PAYING RECOMMENDED SIEVE ANALYSIS AS DETERMINED BY THE ENGINEER. 	FOR SHALL BE FOR ALL 3.	CONCRETE MAY NOT BE POURED IF I OR LESS, OR DURING UNSEASONABL
CONTRACTOR SHALL MATCH EXISTING SUBBASE AN PAVEMENT DEPTHS. COORDINATE WITH THE CITY O ESSEX JUNCTION.	ND 4 DF	CONCRETE CURB RADII LESS THAN 2 CONSTRUCTION OF CONCRETE CUR SHALL MEET SECTION 541 OF THE ST 28 DAY COMPRESSIVE STRENGTH OF
TYPICAL ROAD CROSS SECTION DETAIL	LS - 5.	JOINT FILLER SHALL BE RESILIENT NO OFFERING A MINIMUM OF 70% RECO
WITH CONCRETE CURBS AND WITHOUT C	URBS 6	THE ENGINEER SHALL BE CONTACTE
ROAD CONSTRUCTION NOTES	AS-BUILT (RECORD)	
1. ALL REFERENCES TO ROAD SHALL APPLY TO PARKING AREAS AS WELL.	AT THE COMPLETION OF THE P	EUTILITIES ROJECT THE CONTRACTOR SHALL BE
 NEW ROAD SHALL BE CONSTRUCTED TO THE LINE AND GRADE SHOWN ON THE DRAWINGS. THE ROAD AND UTILITY LOCATIONS SHALL BE AS TYPICALLY DETAILED UNLESS OTHERWISE SHOWN. 	RESPONSIBLE FOR PROVIDING UTILITY RECORD DRAWING IN A RECORD DRAWING SHALL MEET	THE OWNER WITH A COMPLETE UTOCAD AND PDF FORMAT. THE 'S THE SPECIFICATIONS BELOW:
3. ALL ROAD AND PARKING CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" 2018, HEREAFTER CALLED VERMONT HIGHWAY SPECIFICATIONS, SPECIFICATIONS FOUND ON THESE PLANS, AND CITY/TOWN SPECIFICATIONS. IN CASE OF CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY AS DETERMINED BY THE ENGINEER. ALL GRAVEL AND STORM SEWER STRUCTURES SHALL BE APPROVED BY CITY ENGINEER.	UTILITY WATER • ALL PIPE SIZES AND TYPES • PROVIDE RECORD ALIGNME • ALL WATER GATE VALVES A HORIZONTALLY LOCATED W • ALL BENDS, FITTINGS, CAPS	SHALL BE PROVIDED. ENT AND PROFILE WATERLINE. AND SHUT-OFF VALVES SHALL BE /ITH THREE (3) SWING TIES. 5, CONNECTIONS, ETC. SHALL BE
 THE CONTRACTOR SHALL FOLLOW VERMONT HIGHWAY SPECIFICATIONS (2018) SECTION 203.11 FOR PLACING AND SPREADING EMBANKMENTS. 	HORIZONTALLY LOCATED W TOP OF PIPE ELEVATION SH FEET. • BOTH WATER CONNECTION	/ITH THREE (3) SWING TIES AND THE IALL BE PROVIDED ACCURATE TO 0.1 S WITH THE BUILDING JUST OUTSIDE
 FILL MATERIAL FOR ROAD EMBANKMENT SHALL BE APPROVED BY THE ENGINEER. FILL SHALL BE PLACED IN 12" LIFTS, WETTED AND COMPACTED WITH SATISFACTORY COMPACTION EQUIPMENT TO 95% OF MAXIMUM DENSITY (STANDARD PROCTOR). 	 THE BUILDING SHALL BE HO (3) SWING TIES. TOP OF PIP ALSO BE DOCUMENTED, AC LOCATION OF THE WATER L MUNICIPAL WATER SHALL B THREE (3) SWING TIES, TOP 	DRIZONTALLY LOCATED WITH THREE E ELEVATION AT THIS LOCATION WILL CURATE TO 0.1 FEET. INES FINAL CONNECTION WITH THE E HORIZONTALLY LOCATED WITH
6. ROAD IN FILL SECTIONS SHALL BE PLACED AND COMPACTED A MINIMUM OF 3 FEET ABOVE TOP OF ANY UTILITY TO BE INSTALLED BEFORE TRENCH IS EXCAVATED FOR PIPE PLACEMENT. IN TRENCHES AND CUT SECTIONS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHEETING, SHORING AND BRACING TO MAINTAIN COMPLIANCE WITH ALL OSHAWOSHA REGULATIONS	STORM ALL PIPE SIZES AND TYPES ALL CATCH BASINS, STORM TANKS SHALL BE HODIZON	SHALL BE PROVIDED.
 METHODS FOR CONSTRUCTION OF SUBGRADE SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS (2018) 203.12 OR AS DETERMINED BY THE ENGINEER. 	 SWING TIES. (INCLUDE 4 CC LOCATION OF THE STORMS MUNICIPAL SEWER SHALL E THREE (3) SWING TIES. TOP 	PRNERS OF TANKS) FINAL CONNECTION WITH THE BE HORIZONTALLY LOCATED WITH OF PIPE ELEVATION AT THIS
8. ANY SUBGRADE OR SUBBASE DISTURBED BY CONTRACTOR, OR RENDERED UNSUITABLE BY CONSTRUCTION MACHINERY, SHALL BE REMOVED AND REPLACED WITH APPROVED GRANULAR BACKFILL AT THE CONTRACTOR'S EXPENSE. THE SUBGRADE SHALL BE COMPACTED TO ATTAIN AT LEAST 95% OF THE MAXIMUM DENSITY (STANDARD PROCTOR) BEFORE PLACING ROAD OR EMBANKMENT MATERIALS.	 SEWER ALL PIPE SIZES AND TYPES SEWERS CONNECTION WIT BUILDING SHALL BE HORIZO SWING TIES. TOP OF PIPE E ALSO BE DOCUMENTED, ACC 	SHALL BE PROVIDED. H THE BUILDING JUST OUTSIDE THE DNTALLY LOCATED WITH THREE (3) LEVATION AT THIS LOCATION WILL CURATE TO 0.1 FEET.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF COMPACTION IN THE ROAD AND UTILITY TRENCHES. 10. SAND FILL SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS 	LOCATION OF THE SEWERS SEWER SHALL BE HORIZON SWING TIES. TOP OF PIPE E ALSO BE DOCUMENTED, AC	CONNECTION WITH THE MUNICIPAL TALLY LOCATED WITH THREE (3) LEVATION AT THIS LOCATION WILL CURATE TO 0.1 FEET.
(2018) 703.03, TABLE 703.03A. GRANULAR BORROW SHALL CONFORM TO THE VERMONT HIGHWAY SPECIFICATIONS 703.04 GRANULAR BORROW, TABLE 703.04A.	 ELECTRIC HORIZONTAL ALIGNMENT S A SITE PLAN. THE SITE PLA 	HALL BE ACCURATELY SKETCHED ON N SHALL BE SPECIFIC TO ELECTRIC
 11. GRAVEL SUBBASE FOR PAVEMENT SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS (2018) 704.05, TABLE 704.05A, COARSE. 12. LEVELING COURSE SHALL CONFORM TO VERMONT HIGHWAY 	AND COMMUNICATION UTIL TRENCH X-SECTION (NUMB DETAIL, CONDUIT LENGTH, FOR FACH BUN OF CONDUIT	ITIES ONLY. ER AND TYPE CONDUIT, ENCASEMENT RUN DIRECTION) SHALL BE PROVIDED
SPECIFICATIONS (2018) 704.05, TABLE 704.05A, FINE. SHOULDERS SHALL CONFORM TO SECTION 704.12, AGGREGATE FOR SHOULDERS.	MID RUN THE LOCATION OF WITH A NEW CROSS SECTION	THE CHANGE MUST BE INDICATED ON DETAIL.
HIGHWAY SPECIFICATIONS (2018) SECTION 404 AND 406. BINDER COURSE SHALL BE TYPE II, AND FINISH WEARING COURSE SHALL BE TYPE III OR IV. BASE COURSE PAVING TO BE PLACED FIRST YEAR, SURFACE COURSE TO BE PLACED THE SECOND OR THIRD YEAR, DETERMINED BY THE ENGINEER.	• CONTRACTOR SHALL BE RE WITH A COMPLETE "MARK-U VT GAS PIPING. SITE LIGHTING	SPONSIBLE FOR PROVIDING OWNER JP" PLAN SHOWING THE LAYOUT OF
14.EMBANKMENT FILL FOR ROAD AND PARKING SHALL BE A SIEVE SPECIFICATION AS FOLLOWS: <u>SIEVE <u>% FINER</u></u>	CONTRACTOR SHALL BE RE OWNER A COMPLETE "MARI THE SITE LIGHTING CONDU	SPONSIBLE FOR PROVIDING TO THE K-UP" PLAN SHOWING THE LAYOUT OF IT FROM LIGHT POLE TO LIGHT POLE.
4" 100 2" 85-100 #4 60-100 #200 12 MAXIMUM 15.IF PROOF ROLL FAILS, CONTRACTOR SHALL REMOVE THE SITE SOIL	OTHER • CONTRACTOR SHALL BE RE IDENTIFYING ALL EXISTING PROCESS OF INSTALLING N • CONTRACTOR IS TO PERFO RAMPS	SPONSIBLE FOR LOCATING AND UTILITIES THAT ARE EXPOSED IN THE EW UTILITIES. RM A SURVEY OF THE NEW ADA
AND REPLACE IT WITH SAND WITH THE ABOVE SPEC. UNTIL A PROOF ROLE CAN BE PLACED WITHOUT FAILING. ENGINEER WILL JUDGE PASS/FAILURE OF PROOF ROLE, THIS WILL BE PERFORMED WITHOUT FURTHER COSTS TO THE OWNER.		

=	
	D THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE UNPAVED FINISHED GRADE ABOVE. NOTE TH MAY BE PART OF THE 'D' LAYER.
OVERLAP NEXT CHAMBER HERE (OVER SMALL CORRUGATION)	C INITIAL FILL: FILL MATERIAL FOR LAYER 'C' S OF THE EMBEDMENT STONE ('B' LAYER) TO 13 TOP OF THE CHAMBER. NOTE THAT PAVEMEN PART OF THE 'C' LAYER.
15.6" (1.3') (1.3')	B EMBEDMENT STONE: FILL SURROUNDING TH
$\begin{array}{c c} 9.9" \\ (0.83') \\ - \\ \end{array}$	A FOUNDATION STONE: FILL BELOW CHAMBER UP TO THE FOOT (BOTTOM) OF THE CHAMBER
NOMINAL CHAMBER SPECIFICATIONS	_
SIZE (W X H X INSTALLED LENGTH)34.0" X 16.0" X 85.4"(2.83' X 1.33' X 7.12')CHAMBER STORAGE14.7 CUBIC FEETMINIMUM INSTALLED STORAGE*31.0 CUBIC FEET	
WEIGHT 35.0 lbs. *ASSUMES 6" OF STONE ABOVE, BELOW, AND BETWEEN CHAMBERS	ADS GEOSYNTHETICS 601T NON-WOVE ALL AROUND CLEAN CRUSHED, ANGULAR
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" PRE-FAB STUBS AT TOP OF END CAP FOR	PERIMETER STONE (SEE NOTE 4)
PART NUMBERS ENDING WITH TA ΣI PRE CORED END CAPS END WITH "PC" $B \rightarrow C$ PART #STUBABC	
SC310EPE06T / SC310EPE06TPC 6" (0.5') 9.6" (0.80') 5.8" (0.48') SC310EPE06B / SC310EPE06BPC 6" (0.5') 9.6" (0.80') 0.5" (0.04') SC310EPE08T / SC310EPE08TPC 6" (0.5') 9.6" (0.80') 0.5" (0.04')	
SC310EPE08B / SC310EPE08BPC 8" (0.67') 11.9" (0.99') 0.6" (0.05') SC310EPE10T / SC310EPE10TPC 10" (0.83') 12.7" (1.06') 1.4" (0.12') SC310EPE10B / SC310EPE10BPC 10" (0.83') 12.7" (1.06') 0.7" (0.06')	(CAN BE SLOPED OR VERTICAL)
SC310ECEZ* 12" (1.0') 13.5" (1.13') 0.9" (0.08')	12" MIN
ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694. * FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP	ONE OR MORE ROWS OF THE SYSTI PRETREATMENT ISOLATION ROW. THERE AR THESE ROWS, LOCATIONS FOR THE ISOLA PLANS. ADDITIONAL DETAIL FOR TH
APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.	INSTALL FLAMP ON 12" ACCESS PIPE COVER
NOTE: ALL DIMENSIONS ARE NOMINAL. DETAILS FROM THE FOLLOWING WEBSITE. https://www.adspipe.com/water-management-solutions/detention-infiltration/stormtech-sc310	ELEVATED BYPASS DIRE
SC-310 TECHNICAL SPECIFICATION	
— TOP OF PIPE WILL BE	
TOP FLANGE DUCTILE IRON VALVE BOX TOP CUT TO FIT ENDING AT THE TOP OF STONE LAYER FOR	
THE TOP OF STONE LAYER FOR THE CHAMBER SYSTEM. COVER SHALL BE LABELED "STORM" VALVE BOX TO SIT 1" ABOVE GRADE FOR APPLICATIONS WHERE INSPECTION PORT IS	
INSTALLED IN GREENSPACE	
VALVE BOX TO BE FLUSH TO THE FINISH GRADE SURFACE WHERE	
INSPECTION PORT IS INSTALLED WITHIN PAVED OR CONCRETE	
SURFACES. OR IF OTHERWISE INSTRUCTED ON PLANS.	NOTE: DETAILS FROM THE FOLLOWING WEBSITE. https://www.adspipe.com/water-management-solutions/c
4" PIPE CONNECTION, TO BE CENTERED ON CORRUGATION CREST.	
STORMTECH CHAMBER STORMTECH CHAMBER STORMTECH	1. CHAMBERS SHALL BE STORMTECH SC-3
OF THE CHAMBER.	2. CHAMBERS SHALL BE ARCH-SHAPED AN POLYPROPYLENE OR POLYETHYLENE C
NOTES:	3. CHAMBERS SHALL MEET THE REQUIREM "STANDARD SPECIFICATION FOR CORRU
 ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED. ONE INSPECTION PORT SHALL BE INSTALLED ON THE FIRST PRE-TREATMENT 	4. CHAMBER ROWS SHALL PROVIDE CONT THAT WOULD IMPEDE FLOW OR LIMIT AC
 ISOLATION CHAMBER AFTER THE CATCH BASIN. 3. DETAILS FROM THE FOLLOWING WEBSITE. https://www.adspipe.com/water-management-solutions/detention-infiltration/stormtech-sc310 	5. THE STRUCTURAL DESIGN OF THE CHAN REQUIREMENTS SHALL ENSURE THAT T SPECIFICATIONS SECTION 12.12 ARE M
TYPICAL INSPECTION PORT CROSS SECTION	LOADS, BASED ON THE AASHTO DESIGN PRESENCES.
	6. CHAMBERS SHALL BE DESIGNED, TESTE WITH ASTM F2787, "STANDARD PRACTIC STORMWATER COLLECTION CHAMBERS
	AASHTO DESIGN TRUCK LIVE LOAD ON M ALLOWABLE COVER WITH PARKED (1-WI
	 7. REQUIREMENTS FOR HANDLING AND INS TO MAINTAIN THE WIDTH OF CHAM INTEGRAL, INTERLOCKING STACKI
	 TO ENSURE A SECURE JOINT DUR SHALL NOT BE LESS THAN 2". TO ENSURE THE INTEGRITY OF TH
	SHALL BE GREATER THAN OR EQU AND b) TO RESIST CHAMBER DEFC 73° F / 23° C), CHAMBERS SHALL BE
BLANK	8. ONLY CHAMBERS THAT ARE APPROVED THE SITE DESIGN ENGINEER OR OWNER
	 EVALUATION FOR APPROVAL BEFORE D THE STRUCTURAL EVALUATION SH THE STRUCTURAL EVALUATION SH
	EQUAL TO 1.95 FOR DEAD LOAD AN SECTIONS 3 AND 12.12 OF THE AAS • THE TEST DERIVED CREEP MODUL
	LOAD DESIGN EXCEPT THAT IT SH. 9. CHAMBERS AND END CAPS SHALL BE PF

FILL MATERIAL NOTES:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
- MOST PAVEMENT SUBBASED SOILS CAN BE USED TO REPLACE MATER REQUIREMENTS OF LAYER 'C' OR 'D' AT THE CIVIL ENGINEER'S DISCRETION.

NOTE: DETAILS FROM THE FOLLOWING WEBSITE.

CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE),

C-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL

"ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIALS LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.

THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.

5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND

REFER TO MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS FOR HANDLING AND INSTALLATION.

7. ALL UPSTREAM/UPSLOPE CONSTRUCTION SHALL BE COMPLETE AND STABILIZED PRIOR TO ALLOWING RUNOFF TO ENTER ANY INFILTRATION SYSTEMS. "STABILIZED" SHALL MEAN PAVED SURFACES, WASHED CRUSHED STONE, OR VEGETATED AREAS THAT HAVE ESTABLISHED A DENSE AND VIGOROUS VEGETATIVE COVER.

NOTE: DETAILS FROM THE FOLLOWING WEBSITE

https://www.adspipe.com/water-management-solutions/detention-infiltration/stormtech-sc310

 USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL) • IF SEDIMENT IS AT, OR ABOVE, 3" PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE:
 - A. MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY;
 - B. DO NOT ENTER MANHOLES, IF NECESSARY, HIRE AN ENTITY WHOM ARE CERTIFIED FOR CONFINED SPACE AND FOLLOWS OSHA REGULATIONS. THAT ENTITY COULD ASSIST IN THE ASSESSMENT IF NECESSARY. C. IF SEDIMENT IS AT, OR ABOVE, 3" PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2 - CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS

• A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" OR MORE IS PREFERRED APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN

• CLEAN OUT MAINTENANCE HAS BEEN DETERMINED TO NOT BE NECESSARY AT THIS TIME, REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS IN A REPORT THAT CAN BE PROVIDED TO THE

• INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM

INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

https://www.adspipe.com/water-management-solutions/detention-infiltration/stormtech-sc310

NOTES FOR CONSTRUCTION EQUIPMENT

- 1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE
 - WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".

3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

NOTE: DETAILS FROM THE FOLLOWING WEBSITE. https://www.adspipe.com/water-management-solutions/detention-infiltration/stormtech-sc310

17 Park Street City of Essex Junction, Vermont

ISSUED FOR PERMIT REVIEW NOT FOR CONSTRUCTION

OWNER: Handy Hotels & Rentals LLC 241 Pearl Street

Essex Junction, Vermont 05495

APPLICANT: Milot Real Estate c/o Brett Grabowski 32 Seymour Street #101 Williston, Vermont 05495

PROPERTY INFORMATION: CITY OF ESSEX JUNCTION: Address: 17 Park Street Parcel ID: 1028034000 SPAN: 207-066-12977 Area: 0.51 Acres (±22,190 s.f.) Zoning: Village Center

STAMP:

REV. NO.	REVISIONS/COMMENTS	DATE
1.	Revisions per City comments	03/12/24

DRAWING TITLE:

DETAILS

DATE ISSUED: 02/09/24 DRAWN BY: GTD

ROJECT NO.: 23283 DRAWING NO.

Street_Base.dwg

CHECKED BY:

SCALE: N/A

REV. NO.:

WINTER EROSION CONTROL PROCEEDURES	POST-CONSTRUCTION SOIL DEPTH AND QUALITY NOTES		ADDITIONAL SOILS RESTORATION		
(FOR ANY EARTH WORK PERFORMED BETWEEN OCTOBER 15TH AND APRIL 15TH) WINTER EROSION CONTROL NARRATIVE:	SOIL RETENTION: RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER ANDa. STOCKPILE SOIL ON SITE IN A DENATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE.AT LEAST 50 FEET FROM SURFACE	SIGNATED CONTROLLED AREA, E WATERS, WETLANDS,	1. SOIL DEPTH AND QUALITY SHALL BE ESTABLISHED TOWARDS THE END OF	AREA TO BE 5" TO 12" DIAMETER PROTECTED SILTSOXX, OR	
OBJECTIVE - ANY SITE WORK PERFORMED LATER THAN OCTOBER 15TH WILL RESULT IN EXPOSED SOIL THROUGH THE WINTER. THIS PRESENTS A POTENTIAL	SOIL QUALITY: ALL AREAS SUBJECT TO THE STANDARD SHALL DEMONSTRATE DEMONSTRATE DEMONSTRATE DEMONSTRATE DEMONSTRATE	AL RESOURCE AREAS; A DEPTH OF 4 INCHES. EXCEPT	CONSTRUCTION, AND ONCE ESTABLISHED, BE PROTECTED FROM COMPACTION.	APPROVED EQUAL. SIZE OF SILTSOXX	
ARE INTENDED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION ZONE DURING THAWS AND RAINSTORMS.	THE FOLLOWING: SURFACE SHALL BE DISTURBED A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 4% DRY C. STOCKPILED TOPSOIL SHALL AL	O BE AMENDED. IF NEEDED. TO	2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE POST CONSTRUCTION	APPLICATION, CHECK WITH	11/ PARK
WINTER EROSION CONTROL SEQUENCE: ON-SITE COORDINATOR - THE ON-SITE COORDINATOR SHALL BE SURE ALL	WEIGHT IN PLANTING BEDS AND TURF AREAS. THE TOPSOIL LAYER SHALLMEET THE ORGANIC CONTENT RHAVE A MINIMUM DEPTH OF 4 INCHES, EXCEPT WHERE TREE ROOTS LIMIT1. PRE-APPROVED RATE: COM	QUIREMENTS:	3. VERIFICATION SHALL BE VIA A SAMPLING	ENGINEER FOR SIZE.	
EROSION CONTROL MEASURES REQUIRED FOR WINTER CONSTRUCTION ARE INSTALLED BY OCTOBER 15TH AND PRIOR TO GROUND FREEZING. IF A PERMITTED	THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE WITH AN ORGANIC MATTER INTO THE TOPSOIL AT A RAT	CONTENT BETWEEN 40 AND 65% O 1:3, OR	SCHEME THAT INCLUDES NINE 8" DEEP TEST HOLES PER ACRE OF AREA SUBJECT TO THE		17 Park Stroot
AREA CAN BE LEFT UNDISTURBED UNTIL THE SPRING THE CONTRACTOR SHALL MAKE EVERY EFFORT TO LIMIT THESE AREAS OF DISTURBANCE.	COMPOST AND OTHER MATERIALS SHALL BE USED THAT MEET THE OR APPROVED ORGANIC MA FOLLOWING REQUIREMENTS: TO ACHIEVE 4 INCHES OF SE	TERIAL AT A CALCULATED RATE TERIAL AT A CALCULATED RATE TTLED SOIL AT 4% ORGANIC	4. TEST HOLES SHALL BE EXCAVATED USING ONLY	CENTER. IF SLOPES PERMIT SILTSOXX	City of Essex Junction, Vermont
THE CONTRACTOR SHALL STABILIZE ANY PORTION OF THE SITE THAT IS BEING WORKED AND DISTURBED PRIOR TO BEGINNING CONSTRUCTION AT ANOTHER	THE COMPOST OR OTHER MATERIALS SHALL HAVE A CARBON TO NITROGEN RATIO BELOW 25:1. CONTENT;* d. REPLACE STOCKPILED TOPSOIL	PRIOR TO PLANTING, SCREEN	A SHOVEL DRIVEN SOLELY BY THE INSPECTOR'S WEIGHT AND SHALL BE AT LEAST 50 FEET APART	PLAN MAY NOT NEED SUPPORT.	KREBS &
AREA OF THE SITE. AT NO TIME DURING WINTER CONSTRUCTION SHALL THERE BE MORE THAN 1 ACRE OF EXPOSED SOIL ON SITE.	COMPOST SHALL MEET THE DEFINITION OF "COMPOST" IN THE AGENCY'S SOLID WASTE MANAGEMENT RULES OR SHALL MEET THE CONTAMINANT CONTAMI	IRFACE ROCKS LARGER THAN 2	5 ALL DISTURBED AREAS WITHIN THE PROJECT	NOTES 1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF	
ANTICIPATED WINTER CONSTRUCTION ACTIVITIES WILL INCLUDE ALL ASPECTS OF THE PROJECT PROPOSED DURING SUMMER CONSTRUCTION. THIS IS A	<u>\$1ANDARDS IN THE VERMONT SOLID WASTE MANAGEMENT RULES</u> <u>\$6-1104(G)(6-7), \$6-1105(E)(8-9), AND \$6-1106(E)(7-9).</u> COMPOST OR OTHER ORGANIC MATERIALS MAY BE AMENDED TO MEET THE FOREGOING MIXING. INCLUDING COMPOST. C	OR OTHER MATERIALS FOR SUFFICIENT ORGANIC CONTENT	LIMITS (LOD) ARE SUBJECT TO THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY	SILTSOXX IN ALL LOCATIONS SHOWN ON THE PLANS.	164 Main Street, Suite 201P: (802) 878-0375Colchester, Vermont 05446www.krebsandlansing.com
CONTINUATION OF WORK WHICH WAS NOT COMPLETED DURING THE SUMMER. MAJOR GRADING IS EXPECTED TO BE COMPLETE BEFORE OCTOBER 15TH.	REQUIREMENTS. AND DEPTH. • EXCEPTIONAL QUALITY BIOSOLIDS (EQ BIOSOLIDS) MAY BE USED AS A g. SCARIFY OR TILL SUBGRADE TO	A DEPTH OF 4 INCHES. EXCEPT	STANDARD	2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ADDITIONAL SILTSOXX WILL BE ADDED WHEN SEDIMENT REACHES HALF OF PRODUCT HEIGHT.	ISSUED FOR PERMIT REVIEW
LIMITS OF DISTURBANCE - LOD WILL BE MOVED AND/OR REPLACED TO REFLECT THE BOUNDARY OF WINTER WORK. CONTRACTOR WILL MAINTAIN A MINIMUM 25'	SOIL AMENDMENT, AT A MAXIMUM PROPORTION OF 35% OF THE TOTAL FOR WITHIN THE DRIP LINE OF E SOIL VOLUME, AND SHALL BE WELL MIXED WITH EXISTING SOIL BEFORE SURFACE SHALL BE DISTURBED OR DURING APPLICATION.	ISTING TREES, THE ENTIRE BY SCARIFICATION; DPSOIL MIX ON SUBFACE THE	PERMANENT SEED MIX SHALL BE USED AS	3. WHEN INSTALLING LENGTHS OF SILTSOXX, LENGTHS WILL OVERLAP BY MINIMUM 2' WHEN TRANSITIONING TO A NEW LENGTH OF WATTLE.	NOT FOR CONSTRUCTION
MAINTENANCE.	THE RESULTING SOIL SHALL BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED. IMPORTED TOPSOIL MIX SHALL B SOILS USED IN THE MIX SHALL B	ONTAIN 4% ORGANIC MATTER. SAND OR SANDY LOAM AS	AND SHALL MEET THE FOLLOWING CRITERIA:	4. CONTRACTOR SHALL REFER TO ALL MANUFACTURES SPECIFICATIONS AND DETAILS.	OWNER: Handy Hotels & Bentals LLC
SNOW STORAGE ON SITE - CONTRACTOR WILL CREATE A SNOW MANAGEMENT PLAN. PLAN WILL IDENTIFY LOCATIONS FOR ADEQUATE SNOW STORAGE AND CONTROL SNOW MELT, SNOW STORAGE WILL BE DOWNLOPADIENT OF ALL	THE SOIL QUALITY REQUIREMENTS SHALL BE MET BY USING ONE OR A	AWING SUBMITTAL IS REQUIRED. SANDY LOAM.	RED FESCUE 50% SHEEP FESCUE 25%	 SILTSOXX IS A SPECIFIC MANUFACTURER, OTHER MANUFACTURERS WITH EQUAL PRODUCTS MAY BE USED IF APPROVED BY ENGINEER. 	241 Pearl Street Essex Junction, Vermont 05495
DISTURBED AREAS AND WILL NOT PROHIBIT THE FUNCTION OF ALL PERMANENT STORMWATER TREATMENT STRUCTURES. CONTRACTOR SHALL KEEP ALL	OPTION 1: LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION FAILURE TO i. WATER OR ROLL TO COMPACT S	DIL IN TURF AREAS TO 85% OF	RED TOP 5% WHITE CLOVER 10% ANNUAL RYF 10%	TYPICAL SILTSOXX INSTALLATION ON PAVEMENT N.T.S.	
DRAINAGE STRUCTURES OPWN AND FREE OF SNOW AND ICE DAMS.	ESTABLISH AND MAINTAIN EXCLUSIONARY CONTROLS AROUND THESE MAXIMUM DRY DENSITY. AREAS DURING THE CONSTRUCTION PHASE MAY TRIGGER THE				Milot Real Estate c/o Brett Grabowski
THE WINTER CONSTRUCTION AREAS AND SOIL STOCKPILE AREAS, AS SHOWN ON THE PLAN, BY OCTOBER 15TH. IF THE GROUND IS UNFROZEN THE SILT FENCE	REQUIREMENT TO RESTORE SOILS PER ONE OF THE FOLLOWING <u>SOIL MANAGEMENT</u> OPTIONS.		TEMPORARY SEED MIX SHALL BE USED BETWEEN 9/16 AND 5/14 AND SHALL		32 Seymour Street #101 Williston, Vermont 05495
SHALL BE DUG IN AS NORMAL. IF THE GROUND IS FROZEN CONTACT THE ENGINEER FOR ALTERNATE OPTIONS (STONE BERM, FILTREXX SILT SOXX, STRAW WATTLES,	 OPTION 2: AMEND EXISTING SITE TOPSOIL OR SUBSOIL IN PLACE. IDENTIFIES AREAS ON THE SITE SUBJECT IDENTIFIES AREAS ON THE SITE SUBJECT SOIL DEPTH AND QUALITY SHALL BE ES SOIL DEPTH AND QUALITY SHALL BE ES 	T TO THE STANDARD; ABLISHED TOWARDS THE END OF	SEED % WEIGHT % GERMINATION	CURB CURB CURB	
STABILIZED CONSTRUCTION ENTRANCE - THE SITE CONTRACTOR SHALL BE	UNCOMPACTED SOIL AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED. EXCEPT FOR WITHIN THE DRIP LINE OF AMENDMENT IS ADDED. EXCEPT FOR WITHIN THE DRIP LINE OF	ACHINERY, VEHICLE TRAFFIC,	WINTERRYE 80% MIN. 85% MIN. RED FESCUE (CREEPING) 4% MIN. 80% MIN. PERENNIAL RYE GRASS 3% MIN. 90% MIN.	STORM	CITY OF ESSEX JUNCTION: Address: 17 Park Street
RESPONSIBLE FOR MAINTAINING ALL STABILIZED CONSTRUCTION ENTRANCES TO PREVENT SEDIMENT TRACKING OFF SITE. CONTRACTOR SHALL ENLARGE THE WIDTH OF ACCESS TO PROVIDE ADDITIONAL ROOM FOR SNOW STOCKPILING. IF	EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION; AMEND SOIL TO MEET OPCANIC CONTENT REQUIREMENTS;	ENT IS COMPLETE, AND PRIOR TO SHALL PERFORM VERIFICATION	RED CLOVER3% MIN.90% MIN.OTHER CROP GRASS0.5% MAX.		Parcel ID: 1028034000 SPAN: 207-066-12977
NEEDED. ADDITIONAL STONE SHALL BE ADDED OR THE LENGTH SHALL BE INCREASED, IF ICE AND SNOW LIMITS CONSTRUCTION ENTRANCE'S ABILITY TO	1. PRE-APPROVED RATE: PLACE 1 INCH OF COMPOSTED MATERIAL WITH AN ORGANIC MATTER CONTENT BETWEEN 40 SAMPLING IN LOCATIONS INDICATED OF SAMPLING SHALL INCLUDE NINE, 8 INCH	SAMPLING PLAN. VERIFICATION DEEP (MIN) TEST HOLES PER ARD. TEST HOLES SHALL BE	INERT MATTER 1% MAX.	GRATE	Area: 0.51 Acres (±22,190 s.f.) Zoning: Village Center
HOLD SEDIMENTS ON SITE. WINTER STABILIZATION – ALL DISTURBED AREAS NOT INVOLVED IN WINTER	AND 65% AND ROTOTILL INTO 3 INCHES OF SOIL, OREXCAVATED USING ONLY A SHOVEL DR2. CALCULATED RATE: PLACE CALCULATED AMOUNT OFWEIGHT AND SHALL BE AT LEAST 50 FEI	/EN SOLELY BY INSPECTOR'S T APART FROM EACH OTHER.	SEEDING SPECIFICATIONS	5" TO 12" DIAMETER	
CONSTRUCTION SHALL BE AT LEAST TEMPORARILY STABILIZED BY OCTOBER 15. AFTER OCTOBER 15TH, ALL AREAS DISTURBED DURING WINTER CONSTRUCTION	COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AND ROTOTILL INTO DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT OVER TURF AREAS.	OVER SHALL BE ESTABLISHED		SILTSOXX, OR DRAIN APPROVED EQUAL. INLET PLAN OR APPROVED EQUAL. SIZE OF	
ACCUMULATION OF SNOWFALL (SEE EXCEPTIONS BELOW). CONTRACTOR SHALL ADD ADDITIONAL STONE, AS NECESSARY, TO PROVIDE STABILIZATION THROUGH	*CONTRACTOR TO PROVIDE CALCULATION AND SITE SKETCH INDICATING AREAS USED FOR CALCULATIONS.	PROVIDE AF	PPROPRIATE TRANSITION BETWEEN \neg	SIZE OF SILTSOXX SILTSOXX WILL BE BASED ON WILL BE BASED ON APPLICATION, CHECK WITH	
WINTER CONSTRUCTION ON ALL AREAS WHERE CONSTRUCTION TRAFFIC IS ANTICIPATED.	c. RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER; AND	STABILIZ	ED CONSTRUCTION ENTRANCE AND EXISTING EDGE OF TRAVELED WAY	CHECK WITH ENGINEER FOR SIZE. ENGINEER FOR SIZE. CURBSIDE CURBSIDE	
EXCEPTIONS:	 MATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY. OPTION 3: REMOVE AND STOCKPILE EXISTING TOPSOIL DURING 		SEE SITE PLAN		
 HYDROSEEDING AFTER OCTOBER 15TH AND BEFORE APRIL 15TH MUST BE STABILIZED WITH STRAW MULCH OR EROSION CONTROL MATTING.* SNOW AND/OR ICE MUST BE REMOVED TO AT MOST, ONE INCH PRIOR TO 	GRADING.	EXISTING	8" min PUBLIC	EQUAL. SIZE OF SILTSOXX WILL BE BASED ON APPLICATION, CHECK WITH ENGINEER FOR SIZE. CURB - CURB - DOWNS	
 APPLYING MULCH OR EROSION CONTROL STABILIZATION MATTING. IF NO PRECIPITATION, WITHIN 24 HOURS, IS FORECASTED AND WORK WILL 	NOTES 1. AT A MINIMUM, EPSC MEASURES MEET VT DEC	GROUND	PROFILE RIGHT OF		
RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY. • DISTURBED AREAS THAT COLLECT AND RETAIN RUNGEE SUCH AS OPEN	STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL OR DESVIOUSLY ADDREVENTION		50' MIN. SEE SITE PLAN		
UTILITY TRENCHES, REQUIRE STABILIZATION AT THE END OF EACH WORK WEEK.	PRACTICES.	EXISTING	12' 4" MINUS CRUSHED		
MAINTENANCE - ALL DISTURBED AREAS SHALL BE MONITORED BY THE CONTRACTOR AND THE ON-SITE PLAN COORDINATOR IN ACCORDANCE WITH THE	2. PERIMETER CONTROLS SHALL BE UTILIZED IN SMALL AREAS < 1 ACRE. IN AREAS > 1 ACRE, TEMPORARY SEDIMENT TRAPS OR TEMPORARY		STONE ROAD		
INSPECTION REQUIREMENT OUTLINED IN THE INDIVIDUAL CONSTRUCTION STORMWATER PERMIT. THE CONTRACTOR AND ON-SITE PLAN COORDINATOR	SEDIMENT BASINS ARE TO BE UTILIZED. BALLAST 5% TO 10% 50 FT. OR LESS 10% TO 20% 25 FT. OR LESS	NOTES	PLAN	DRAIN INLET CURBSIDE	
ON-SITE PLAN COORDINATOR SHALL NOTIFY THE ENGINEER IF ANY EROSION CONTROL MEASURES APPEAR TO BE INADEQUATE. THE CONTRACTOR OR ON-SITE	3. PERIMETER CONTROLS SHALL BE INSTALLED ON DOWNSLOPE SIDE OF PLANNED EARTH DISTURBANCE - 36" STAKES DRIVEN	1. CONTRACTOR SHALL PREVENT TRACKING	STABILIZE CONSTRUCTION ENTRANCE AS REQUIRED TO OF SEDIMENT OFF-SITE.	NOTES SECTION SECTION	STAMP:
PLAN COORDINATOR SHALL IMMEDIATELY (WITHIN THE SAME BUSINESS DAY) IMPLEMENT ANY FURTHER EROSION CONTROL MEASURES SPECIFIED BY THE	4. PERIMETER CONTROLS SHALL BE INSTALLED ON DOWNSLOPE ATTACHED TO STAKES	2. CONTRACTOR TO US	E MIRAFI 500X UNDER STONE FOR TEMPORARY	SILTSOXX IN ALL LOCATIONS SHOWN ON THE PLANS.	
MULCH, AS NECESSARY, THROUGHOUT THE WINTER AFTER THAWS OR RAINSTORMS. THE MULCH DEPTH SHALL BE BROUGHT UP TO 2". THE MULCH AND	PRIOR TO ANY EARTH DISTURBING ACTIVITIES WITHIN UPSLOPE CONTRIBUTING AREA.	3. CRUSHED STONE SH	ALL BE ADDED OR REPLACED WHEN 80% OF THE VOIDS	 MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ADDITIONAL SILTSOXX WILL BE ADDED WHEN SEDIMENT REACHES HALF OF PRODUCT HEIGHT. 	
SILT FENCE SHALL BE MAINTAINED UNTIL A PERMANENT GROUND COVER (70% STABILIZATION) IS ESTABLISHED IN THE SPRING. THE SITE SHALL BE REMULCHED AND RESERVED. IN THE SPRING, AS REQUIRED TO ESTABLISH A VIGOROUS	5. SILT FENCE SHALL NOT BE USED AS CONSTRUCTION DEMARCATION.	ARE FILLED WITH SEE	DIMENT. = 1_4"	 WHEN INSTALLING LENGTHS OF SILTSOXX, LENGTHS WILL OVERLAP BY MINIMUM 2' WHEN TRANSITIONING TO A NEW LENGTH OF WATTLE. 	
PERMANENT GROUND COVER.	6. SILTSOXX CAN BE USED AS A SILT FENCE ALTERNATIVE, WITH PRIOR APPROVAL OF THE	5. ALL SURFACE WATER	R FLOWING OR DIVERTED TOWARD CONSTRUCTION	4. CONTRACTOR SHALL REFER TO ALL MANUFACTURES SPECIFICATIONS AND DETAILS.	REV. REVISIONS/COMMENTS DATE
INSPECTION - THE ON-SITE COORDINATOR SHALL BE RESPONSIBLE FOR, AT A MINIMUM, DAILY WRITTEN INSPECTIONS WHILE THE SITE IS DISTURBED OR WEEKLY IF EVERYTHING IS STABILIZED BUT CONSTRUCTION IS ON-GOING. IF, DURING	ENGINEER. SEE DETAIL.	ENTRANCE SHALL BE MOUNTABLE BERM W	TIPED BENEATH ENTRANCE. IF PIPING IS IMPRACTICAL, A ITH 5:1 SLOPES IS ALLOWED.	 SILTSOXX IS A SPECIFIC MANUFACTURER, OTHER MANUFACTURERS WITH EQUAL PRODUCTS MAY BE USED IF APPROVED BY ENGINEER. 	1. Revisions per City comments 03/12/24
WINTER CONSTRUCTION, EARTH DISTURBANCE ACTIVITIES TEMPORARILY CEASE AND THE SITE HAS BEEN FULLY STABILIZED, INSPECTION AND MONITORING	FROZEN, A GRAVEL, SHOT ROCK, OR SAND BALLAST MUST BE USED.	STABIL	IZED CONSTRUCTION ENTRANCE	SILTSOXX INLET PROTECTION	
MONTH MINIMUM. ALL INSPECTION SHEETS SHALL BE KEPT ON SITE AND BE AVAILABLE UPON REQUEST.	Image:		N.T.S.	5" TO 12" DIAMETER SILTSOXX, OR APPROVED EQUAL, MAY BE USED IN	
				WITH PRIOR APPROVAL FROM ENGINEER. SIZE OF SILTSOXX WILL BE BASED ON APPLICATION, CHECK WITH ENGINEER FOR SIZE.	
GUIDE TO MU	LCH MATERIALS, RATES, AND USES			OVERLAP BETWEEN	
QUALITY STANDARDS PER 1000	SQ. FT. PER ACRE DEPTH OF APPLICATION REMARKS				
WOOD CHIPS OR SHAVINGS AIR-DRIED. FREE OF OBJECTIONABLE 500-900 COARSE MATERIAL	D LBS 10-20 TONS 2 - 7" USED PRIMARILY AROUND SHRUB AND TREE PLANTINGS AND RECREATION TRAILS TO INHIBIT WEED COMPETITION. RESISTANT TO WIND BLOWING. DECOMPOSES SLOWLY.			WATTLES SHALL BE STAKED WITH TYPICAL5"-12"NOTESWOOD STAKES AT 10 FT. ON CENTER.	DRAWING TITLE:
WOOD FIBER CELLULOSE MADE FROM NATURAL WOOD USUALLY 50 LE (PARTLY DIGESTED WOOD WITH GREEN DYE AND DISPERSING 50 LE	APPLY WITH HYDROMULCHER. NO TIE DOWN REQUIRED. LESS EROSION CONTROL PROVIDED THAN 2 TONS OF HAY OR STRAW.			1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF SILTSOXX IN ALL LOCATIONS SHOWN ON THE PLANS. SILTSOXX MAY BE LEFT IN PLACE IF THE	
GRAVEL, CRUSHED STONE WASHED; SIZE 2B OR 3A - 1½" 9 CU. Y OR SLAG 0 CU. Y	/DS. 405 CU. YDS. 3" EXCELLENT MULCH FOR SHORT SLOPES AND AROUND PLANTS AND ORNAMENTALS. USE 2B WHERE SUBJECT TO TRAFFIC. (APPROXIMATELY 2 000)			2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ADDITIONAL WATTLES WILL BE ADDED WHEN	
	LBS./CU. YD.). FREQUENTLY USED OVER FILTER FABRIC FOR BETTER WEED CONTROL.		BLANK	SEDIMENT REACHES HALF OF PRODUCT HEIGHT.	
HAY OR STRAW AIR-DRIED; FREE OF UNDESIRABLE 90-100 LBS SEEDS & COARSE MATERIALS 90-100 LBS	2-3 BALES 2 TONS (100-120 BALES) COVER ABOUT 90% SURFACE USE SMALL GRAIN STRAW WHERE MULCH IS MAINTAINED FOR MORE THAN THREE MONTHS. SUBJECT TO WIND BLOWING UNLESS ANCHORED. MOST COMMONLY USED MULCHING MATERIAL. PROVIDES THE BEST MICRO-ENVIRONMENTAL FOR			 WHEN INSTALLING LENGTHS OF SILTSOXX, LENGTHS WILL OVERLAP BY MINIMUM 18" WHEN TRANSITIONING TO A NEW LENGTH OF SILTSOXX. 	DATE ISSUED: 02/09/24
COMPOST UP TO 3" PIECES, MODERATELY TO 3-9 CU. HIGHLY STABLE	YDS. 134-402 CU. YDS. 1 - 3" COARSER TEXTURED MULCHES MAY BE MORE EFFECTIVE IN REDUCING WEED GROWTH AND WIND EROSION.			4. CONTRACTOR SHALL REFER TO ALL MANUFACTURES SPECIFICATIONS AND DETAILS.	DRAWN BY: GTD CHECKED BY:
EROSION CONTROL MIX WELL-GRADED MIXTURE OF PARTICLE * SLOPES 3(HZ.):1(VERT.) OR FLATTER : SIZES. ORGANIC CONTENT BETWEEN 1/2 INCH DEPTH PER 20 FT. OF SLOPE U 80 100% DPX WEICHT DAPTICLE SIZE * SLOPES DETM/EDU 0/1/2 > 40 (FDT > 40)	= 2 INCH DEPTH PLUS ADDITIONAL JP TO 100 FT. ND 2(HZ):1(VERT) = 4 INCH DEPTH			5. SILTSOXX IS A SPECIFIC MANUFACTURER, OTHER MANUFACTURERS WITH EQUAL PRODUCTS MAY BE USED IF APPROVED BY ENGINEER.	PROJECT NO.: 23283 SCALE: N/A DRAWING NO.: REV. NO.:
SHALL PASS 6" SCREEN (100%) SHALL PASS 6" SCREEN (100%) *** SLOPES BE I WEEN 3(HZ.):1(VERT.) AN PLUS ADDITIONAL 1/2 INCH PER 20 FT. (*** SLOPES STEEPER THAN 2(HZ.):1(VERT.) AN MIX AND MILL CH DEDTH TO BE REVIEW	OF SLOPE UP TO 100 FT. IRT.) USE OF EROSION CONTROL ED AND APPROVED PRIOR TO USE			6. SILTSOXX CAN BE USED AS A SILT FENCE ALTERNATIVE, WITH PRIOR APPROVAL OF THE ENGINEER.	$C_{-2} 05 = 1$
BY OSPC OR EPSC SPECIALIST				TYPICAL SILTSOXX SEDIMENT CONTROL N.T.S.	
					Park-Street_Base.dwg

PLAN								 \ /	<u> </u>	
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		st	st— _	st-			_		+0.28 +0.4	6 ⁺ 0.74 ⁺ 0 9
st st st	t								⁺ 0.33 ⁺ 0.5	4 *0.85 *1.1
							K		⁺ 0.35 ⁺ 0.5	7 *0.85 *1.1
www	w — — — w	y — — — w —	· w	•	-/ -/	-w-)			⁺ 0.3 ⁻ ⁺ 0.5	8 +0.86 +1.1
							H		+0.40 +0.62	2 +0.88 +1.13
									⁺0.42 ⁺0.64	4 +0.90 +1.17
									⁺ 0 44 ⁺ 0.66	5 +0.93 +1.16
								0.29 ₩	⁺ 0.44 ⁺ 0.66	5 *0.94 *1.16
			<i>s</i> ₃					- *0.2 8	_ 13 130.63	⁶ [†] 0.89 [†] 1.13
									⁺0.39 ⁺0.56	⁺ 0.76 ⁺ 1.06
									⁺ 0.33 ⁺ 0.50	⁺0.69 ⁺0.99
									⁺ 0.25 ⁺ 0.38	⁺0.58 ⁺0.85
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Essex Junction Zoning Requirements										
Buedanementa	Max. Average Luminance			Max. Uniformity Ratio	Max. / Min. Ratio	L				
Area (Foografies Devices for	Ave. (fc)	Max.(fc)	Illuminance ¹ Min. (fc)	Ave./Min. (fc)	Max./Min. (fc)		/			
(Essex Junction) Parking Lot	Lightin	g Calculations	0.20	10:1	a a barrar ditar ditaran		_ 346 _			
Area Parking Lot - Drive Surface	Ave. (fc) 1.23	Max. (fc) 2.59	Min. (fc) 0.25	Ave./Min. (fc) 4.92	Max./Min. (fc) 10.36				/ /	
Walkway" - Paved Surface Plaza ^a - Paved Surface	2.30	2.23 3.57	0.32	4.03	4.20		1			

Foototes:

¹Illuminance - All calculations are in Horizontal Footcandles (fc)

²Walkway Lighting - Light Levels For Pedestrian Areas meet lesna Recommendations Per (lesna) Lighting For Exterior Environments (RP-33-99), which recommends a Minimum Maintained Average Horizontal Illuminance Level Of 0.5 Footcandles and a 4:1 Horizontal Average to Minimum Ratio. Intermediate Area Classification (Iesna) - Light Levels are specific to this Classification, which is defined as 'Those areas of a Municipality often characterized by moderately heavy nighttime pedestrian activity such as in block having Libraries, Community Recreation Centers, Large Apartment Buildings, Industrial Buildings, Or Neighborhood Retail Stores.'

³ Plaza Lighting - Light Levels for Plaza Area meet Essex Junction Exterior Display/Sales Areas requirements

Notes:

Light Loss Factor used for calculations:

υJ
DVL.

0 5' 10'

Outdoor Luminaire Schedule

²Voltage to be verified by Electrical Engineer prior to ordering

Notes

			r								-	
Qty.	Label	Fixture	Catalog Number	Туре	Color	Voltage ²	CRI	Watts	Lumens	Mount	Ht ¹	Finish
Parking	Lot Ligh	nt						14 A				
1	VP	Beacon Viper Area/Site	VP-ST-1-36L-55-3K7-4W-UNV-A-BLT	4F	3000K	UNV ²	70	55	6968	Am	15	BLT
Wall Mc	Wall Mount Light											
2	TRV	Beacon Traverse	TRV-D-24L-27-3K7-4W-UNV-BLS	4W	3000K	UNV ²	70	27	3361	Wall	15	BLS
Canopy	Light				5.7	59 5.75						
14	JSF	Juno Slimform LED Surface Mount Downlight	JSF-5IN07LM-30K-90CRI-120FRPC-WH	5IN	3000K	120	90	10	727	Surface	11', 12.25	WH
String L	ight											
26	ML	CALI ML2000 String Lights	ML2000-36 -27K-GSFL-3W-BK	Filament LED	2700K	120		3	256	Cable	10'	BK

Parkin	Parking Lot Pole Schedule							
Qty.	Ht.	Pole	Catalog Numbe					
1	12'	Beacon - Round Straight Aluminum	RSA-B-S-16-40-E					

¹Mounting height equates between the light source and the ground planes for using calculation photometric analysis, <u>cut</u> poles as needed

GENERAL LIGHTING NOTES:

- EXISTING ILLUMINATION LEVELS OF NEARBY LIGHT SOURCES (EXISTING STREET FIXTURES) ARE NOT INCLUDED IN THE LIGHTING CALCULATIONS.
- REFER TO LIGHTING PLANS AND DETAILS WITH SPECIFICATIONS FOR LIGHT FIXTURES, POLES, ARMS AND OTHER INFORMATION.
- SEE PARKING GARAGE LIGHTING PLAN (SHEET L1.2) FOR LIGHTING IN PARKING GARAGES.

17 PARK STREET

B-CAP-1-B3-BLT

Essex Junction Zoning Requirements

	Max. Average Luminance			Max. Uniformity Ratio	Max. / Min. Ratio
			Illuminance ¹		
Area	Ave. (fc)	Max.(fc)	Min. (fc)	Ave./Min. (fc)	Max./Min. (fc)
(Essex Junction) Parking Lot			0.20	10:1	
	Lighting	g Calculations			
Area	Ave. (fc)	Max. (fc)	Min. (fc)	Ave./Min. (fc)	Max./Min. (fc)
Surface Parking Garage	3.79	12.09	1.22	3.11	9.91
Underground Parking Garage	3.96	11.98	1.22	3.25	9.82

							Buill
					1 32 +1 71	t1 02 t1 62 t1 27	ta aa ta E
	2000-44 P = 0 - 344				*2.44 *4.18	¹ .92 1.02 1.37	1.41 1.7
0 1.22 1.33	2.52 3.83 3.54 1.	97 ¹ .40 ² .01 ³ .63 ⁴ .19 ² .	74 1.54 7.66 2.94 3.87 2.96	1/////////////////////////////////////	⁵ *3.75 *9.55,*	10.57 4.17 2.32	⁺ 3.67 ⁺ 9 8
3 1.44/1.73	4.48 9.67 7.68 2.	75 1.70 2.84 7.45 10.74 4.	53 1 92 2 18 5 47 10 39 6 11	. 80 <u>0</u> 5	, <u>50</u> SRT 3.37 ⁺ 7.69 ⁺	8.15 *3.88 *2.26	⁺3.33 ⁺7.0
2/1.48 1.77	⁺ 4.31 ⁺ 9.33 ⁺ 6.87 ⁺ 2.1	89 ¹ .82 ² .90 ⁶ .93 ⁸ .68 ⁴ .	28 1 99 2 30 5 33 9.26 5.58		*2.01 *2.97 *	2.97 *2.19 *1.71	⁺ 2.09 ⁺ 2.8
1.38 ¹ .61	⁺ 2.85 ⁺ 4.09 ⁺ 3.56 ⁺ 2.2	27 1.72 2.29 3.60 3.67 2.	58 1 77 1,97 3.17 3.77 3.01	1 .45 [†] 0.73	³ 1.2 ^{3 +} 1.47 +	1.50 *1.43 *1.42	⁺ 1.72 ⁺ 2.03
4 1.42 1.59	⁺ 2.80 ⁺ 4.16 ⁺ 4.18 ⁺ 2.4	49 ¹ .77 ² .33 ³ .74 ³ .95 ² .	92 1.84 1.97 3.22 4.01 3.31	1.58 ⊅(80	1.22 +1.42 +	1.56 ⁺1.52 ⁺1.60	⁺ 2.36 ⁺ 3.68
	4.16 9.64 8.05 3.1 SRT	19 ¹ .89 ² .89 ⁷ .29 ⁹ .24 ⁴ . SRT	28 ¹ ⁄ ₂ .16 ¹ ⁄ ₂ .38 ¹ ⁄ ₅ .54 ¹ ⁄ ₉ .96 ¹ ⁄ ₅ .83 ♥ SRT	2.00 0.37	*1.90 *2.74 *	3.25 *2.46 *2.10	+3.75 ⁺ 8.89
	4.04 9.14 7.61 3.1	13 1.83 2.74 7.10 10.50 4.	4 2.19 2.36 5.77 10.02 5.96	2.02 0 89	*3.22 *7.17 *8	3.93 ⁺ 4.20 ⁺ 2.49	רא 4.00 ⁺ 9.76
1.3P 1.94	2.63 3.85 3.61 2.2	27 1.63 2.13 3.62 4.21 $\frac{1}{3.5}$	4 1.93 $\frac{1}{2}.00$ $\frac{1}{3}.29$ $\frac{1}{4}.07$ $\frac{1}{3}.22$	1.60 [†] 35	3.41 ⁺ 9.35 ⁺ 1	L0.87 ⁺ 4.60 ⁺ 2.40	*2.84 *4.22
1.55 1.74	³ .91 ⁷ .61 ⁶ .62 ⁵ .8	2 1.57 1.96 2.98 3.46 2.7	6 1.82 1.86 2.80 3.36 2.83	- • 56 0 • 85	2.40 +4.25 +4	4.54 ⁺ 2.95 ⁺ 1.97	*2.19 *2.66
1.57 1.79	4.43 11.19 7.93 2.9	$6 \ ^{1}.75 \ ^{2}.82 \ ^{8}.03 \ ^{1}0.87 \ ^{4}.7$	5 2.06 2.18 4.76 7.79 5.53 2 $7 5 08 5 26 5 42 51 50 5 64 5$	2.06 0 92	1.31 +1.72 +1	.75 *1.46 * 1 79	2.83 ⁴4.45
1.44 1.59	⁺ 3.04 ⁺ 4.78 ⁺ 4.23 ⁺ 2.2	8 ¹ .59 ¹ .28 ⁴ .34 ⁴ .99 ³ .2	4 1.83 1.94 3.63 4.89 5.64 2				4.47 ⁺ 10.,3
1.27 1.34	1.92 2.42 2.33 1.7	1 1.38 1.71 2.36 2.54 2.1	$\begin{array}{c} 1.53 & 1.54 & 3.03 & 4.89 \\ \hline \\ 1 & 1.53 & 1.57 & 2.21 & 2.49 & 2.14 \\ \end{array}$	29 0.84			4.40 ⁺ 9.23
¹ .41 ¹ .47	² .54 ³ .69 ³ .66 ² .12	2_) [†] .51 [†] .01 [†] 3.43 [†] 4.06 [†] 2.8	7 1.72 1.79 3.08 4.12 3.32 1	.64 0.84	VESTIBULE		2.81 *3.76
1.56 1.77	⁴ .31 ⁵ .69 ⁵ .38 ² .84	4 ¹ .70 ¹ 2.79 ¹ 7.17 ¹ 0.08 ⁴ .5	1.99 2.13 5.28 10.23 6.62 2	.13 0.92		.46 "1.55 "1.84 "	2.09 *2.40
¹ .56 ¹ .75	4.25 9.33 7.18 2.84	4 1.69 2.71 7.22 9.03 4.4	9 1.98 2.13 5.03 5.20 5.81 2	.07 0.90	3	.54 3.76 3.02 °	2.94 '3.80
1.38 1.51	¹ / _{2.60} ¹ / _{3.71} ¹ / _{3.34} ¹ / _{2.02}	2 [†] .47 [†] .00 [†] 3.33 [†] 3.60 [†] 2.6	1 65 1.74 2.83 3.47 2.82 1.	.47 ō.79	ECTRICAL +9	• SRT	±.56 9.08 ↔
1.29 1.40	2.14 2.68 2.51 1.71	1.33 1.67 ¹ .43 ¹ .59 ¹ .1	1.54 $1.62 \div 35^{345}$ 2.79 2.36 1.	.33 [†] .75	+3	.88 ⁺ 4.06 ⁺ 2.99 ⁺ 3	3.04 ⁺ 4.22
1.42 1.70	[*] 3.67 [*] 5.87 [*] 4.87 [*] 2.18	3 1.43 2.17 4.61 5.61 3.64	¹ .89/ ² .07 ⁴ .42 ⁶ .57 ⁴ .52 ¹ . SRT	.73 Ō.78		.66 ⁺ 1.75 ⁺ 1.68 ⁺ 1	.74 ⁺ 1.88
1.41 1.84	5.12 12.09 6.74 2.41	1.46 2.53 7.05 11.90 4.94	1.99 2.22 -6.06 11.88 5.78 1.	84 0 .75			*****
<u>1.19</u> <u>1.5</u> 4	<u>3.70 5.98 4.51 1.95</u>	<u>1.26</u> <u>2.14</u>				BIKE STORAGE	
[†] 0.75 [†] 0.91	1.49 1.85 1.62 1.03	0.82 1.14					
0.41 0.46	b.60 b.65 b.59 b.50	0.45 0.54	343 D	X			
0.22 0.24	0.27 0.27 0.26 0.25	<u>ð.24 ð.2</u> 6			342		
345	344	343				_	
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<						>	1.4
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Parking Garage Luminaire Schedule

Qty.	Label	Fixture	Catalog Number	Type	Color Temp	Voltage ²	CRI	Watts	Lumens	Mount	Ht. ¹	Finish
Canopy	Light											
31	SRT	Beacon SRT1 Edge-Lit	SRT1-20-3K7-5C-UNV-BLS	5C	3000K	UNV ²	70	20	2956	Surface	8'	BLS
Notes:								3	a. The second se			

¹Mounting height equates between the light source and the ground planes for using calculation photometric analysis ²Voltage to be verified by Electrical Engineer prior to ordering

GENERAL LIGHTING NOTES:

- EXISTING ILLUMINATION LEVELS OF NEARBY LIGHT SOURCES (EXISTING STREET FIXTURES) ARE NOT INCLUDED IN THE LIGHTING CALCULATIONS.
- REFER TO LIGHTING PLANS AND DETAILS WITH SPECIFICATIONS FOR LIGHT FIXTURES, POLES, ARMS AND OTHER INFORMATION.
- SEE OUTDOOR LIGHTING PLAN (SHEET L1.1) FOR EXTERIOR LIGHTING.

17 PARK STREET

Mounting Airc	(Included)	12 Gauge Stranded Black Conductor	4.43	4.19" 6.0"
Power	LED Lamp (Included) 000-PP)		(ML2000)	Canopy A (ML2000-CA)
FEATURES			4.387	
APPLICATION	Indoor and Outdo	or		
LAMP	LED Lamp (Inclu	ded)	4.56"	
LED LAMP LI	FE 20,000 Hours		Canopy B (MT 2000-CB)	
LENGTH	Built to Order		(1122000-02)	
FINISH	Black		A	
FEED	Standard 6' Powe	rr Lead		
STRAIN RELI	EF Cable (Included, I	Not for Mounting)	8.50"	
MOUNTING	Mounting Aircral	it Cable (Sold Separately)		
LISTING	Dry or Wet Locat ANSI/UL1598, C UL2108, CSA C2	ion SA 22.2 No. 250.0-04, 2nd Edition 2.2#9	4.60°	
OPTIONS	Mesh, Canopies,	or Cages	(ML2000-CM)	
UV RATING	Sun Light Resist	ance		
INSTALLATIO	N Link to Installation	on Instructions	ACCESSORI	ES (Sold Sepa
ELECTRICAL				65
DIMMING	Forward Phase			
MAXIMUM RU	JN 250' Without Can	opies, 100' With Canopies		
VOLTAGE	120V		Power Plug	
SYSTEM	20 Amps (12 Gau	ge Wire)	(ML2000-PP)	
WATTS	1W or 3W Lamps			
LAMP SPECI	FICATIONS		SERIES	SPACING
NUMBER	COLOR TEMPERATURE	COMPATIBLE SHAPES	ML2000	- 12" 0/C (12")
2.4K	2400K Incandescent White	GSFL	ML2000-CA*1	18" O/C (18")
2.7K	2700K Warm White	GSF, GSFL, SSF, SSC	ML2000-CACA*1	24" O/C (24")
3.0K	3000K Warm White	GSFL	ML2000-CAH*1	36" O/C (36")
5.0K	5000K Cool White	GSF, GSFL, SSF, SSC	ML2000-CB*1	48" O/C (48")
A	Amber	SSC, GSF	ML2000-CC*1	60" O/C (60")
R	Red	SSC, GSF	ML2000-CCCA*1	
G	Green	SSC, GSF	ML2000-CM*1	
В	Blue	SSC, GSF	ML2000-CMH**	
			*1 Standard Canon	u Tanida / Outnida
CALIFORNI, 2820 E. Grett ph. 800.921.C © CALL All rights ret	A ACCENT LIGHTING, IN ta Lane, Anaheim, CA 9280(CALI (2254) fx. 714.535.790 served. CALI reserves the right to make cha	I C . 5 32 info@calilighting.com calili nges ar withdraw specifications without prior natic	ghting.com	nar
5.14 Rev 20				
5 \	STRING LIG	HT FIXTURE		

L2.2

SPEC SHEET, NTS

T.J. BOYLE ASSOCIATES LANDSCAPE ARCHITECTURE & PLANNING

GARAGE CANOPY LIGHT FIXTURE (SRT)

PLAN	
ISSUED	
03/11/2024	

DATE: FEBRUARY 8, 2024

MATCH EXISTING ADJACENT MATERIAL (GRASS, GRAVEL, MULCH, ETC)	T LAID IN SAME SEASON AS BASE, P BASE COURSE CLEAN AND APPLY AVEMENT PRIOR TO LAYING TOP 3.5" BIT. CONC. 1.5" TYPE III - TOP 2" TYPE II - BASE
EXTEND FULL DEPTH OF CRUSHED GRAVEL SUBBASE 12" (MIN.) BEYOND EDGE OF PAVEMENT.	4" LEVELING COURSE (704.05, FINE) 20" DENSE GRADED CRUSHED STONE (704.06) ALTERNATIVE MATERIALS IDENTIFIED IN SECTION 301 -
MIRAFI 500X, OR APPROVED EQUAL. OVERLAP MINIMUM OF 2'. LAY FLAT AGAINST SUBGRADE. (NO FOLDS OR WRINKLES)	SUBBASE ARE NOT ALLOWED. CONTRACTOR SHALL SHAPE AND ROLL SUBGRADE TO REFLECT FINISH GRADE DRAINAGE PRIOR TO INSTALLING MIRAFI 500X MIRAFI 500X, OR – APPROVED EQUAL. OVERLAP MINIMUM OF 2'. LAY FLAT AGAINST SUBGRADE. (NO FOLDS OR WRINKLES)
CONFORMANCE WITH THE DESIGN GRADES THEN, IN THE PRESENCE OF THE ENGINEER, SHALL PROOF ROLL THE SUBGRADE WITH A LOADED TANDEM DUMP TRUCK. CONDITIONS MAY REQUIRE THE REMOVAL OF UNSUITABLE MATERIAL AND PLACEMENT OF ADDITIONAL SUBBASE. THE OWNER MUST APPROVE ANY WORK INVOLVED WITH THE REMOVAL OF UNSUITABLE MATERIAL AND PLACEMENT OF ADDITIONAL SUBBASE.	ISTURBED MATERIAL OR IPACTED FILL (SEE NOTE 14 D CONSTRUCTION NOTES) OVE ALL ORGANICS DRE PLACING FABRIC. HOUT CURB N.T.S. TRUCK. CONDITIONS MAY RE MATERIAL AND PLACEMENT OF ADDI APPROVE ANY WORK INVOLVED MATERIAL AND P
GRAVEL NOTES 1. THE CONTRACTOR TO TAKE SIEVE ANALYSIS OF GRAVEL AS SOON REQUIRE QUARRY TO PROVIDE A CERTIFIED ANALYSIS FOR ENGINE 2. TRAVEL OVER CRAVEL WITH ANX VEHICLE TRACKING SOIL DRIOD T	IT ARRIVES ON SITE OR EERS REVIEW. 50 DI ACEMENT OF
 TRAVEL OVER GRAVEL WITH ANY VEHICLE TRACKING SOIL PRIOR T PAVEMENT IS PROHIBITED. IF GRAVEL IS CONTAMINATED AFTER PLACEMENT, THE SITE CONTF 	2. APPLY 2 COATS OF CERTI-VEX AC 131 SPECIFICATIONS. RACTOR SHALL BE
RESPONSIBLE REMOVAL OF ALL CONTAMINATED GRAVEL AND PAY RECOMMENDED SIEVE ANALYSIS AS DETERMINED BY THE ENGINEE	ING FOR ALL 3. CONCRETE MAY NOT BE POURED IF F ER. OR DURING UNSEASONABLE WEATHER
CONTRACTOR SHALL MATCH EXISTING SUBBASE PAVEMENT DEPTHS. COORDINATE WITH THE CIT ESSEX JUNCTION.	4. CONCRETE CURB RADII LESS THAN 20 CONSTRUCTION OF CONCRETE CURB MEET SECTION 541 OF THE STATE OF COMPRESSIVE STRENGTH OF 4,000 P
TYPICAL ROAD CROSS SECTION DET WITH CONCRETE CURBS AND WITHOUT	FAILS -5. JOINT FILLER SHALL BE RESILIENT NO MINIMUM OF 70% RECOVERY AFTER OT CURBS6. THE ENGINEER SHALL BE CONTACTED
ROAD CONSTRUCTION NOTES	AS-BUILT (RECORD)
 ALL REFERENCES TO ROAD SHALL APPLY TO PARKING AREAS AS WELL. NEW ROAD SHALL BE CONSTRUCTED TO THE LINE AND GRADE SHOWN ON THE DRAWINGS. THE ROAD AND UTILITY LOCATIONS SHALL BE AS TYPICALLY DETAILED UNLESS OTHERWISE SHOWN 	AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE OWNER WITH A COMPLETE UTILITY RECORD DRAWING IN AUTOCAD AND PDF FORMAT. AUTOCAD FILE
 ALL ROAD AND PARKING CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" 2018, HEREAFTER CALLED VERMONT HIGHWAY SPECIFICATIONS, SPECIFICATIONS FOUND ON THESE PLANS, AND CITY/TOWN SPECIFICATIONS. IN CASE OF CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY AS DETERMINED BY THE ENGINEER. ALL GRAVEL AND STORM SEWER STRUCTURES SHALL BE APPROVED BY CITY ENGINEER. 	SHALL HAVE A HORIZONTAL COORDINATE SYSTEM BASED ON NAD83 VERMONT STATE PLANE 4400 (US SURVEY FOOT). ELEVATIONS SHALL BE BASED ON THE NAVD88 (US SURVEY FOOT). CONTRACTOR TO PROVIDE ALL INFORMATION TO THE ENGINEER TO MAKE RECORD MATERIALS FOR THE CITY OF ESSEX JUNCTION, WHICH WILL BE IN THE SAME DATUM AND FILE TYPES REQUESTED. THE RECORD DRAWING SHALL MEETS THE SPECIFICATIONS BELOW: UTILITY
 THE CONTRACTOR SHALL FOLLOW VERMONT HIGHWAY SPECIFICATIONS (2018) SECTION 203.11 FOR PLACING AND SPREADING EMBANKMENTS. 	 WATER ALL PIPE SIZES AND TYPES SHALL BE PROVIDED. PROVIDE RECORD ALIGNMENT AND PROFILE WATERLINE. ALL WATER GATE VALVES AND SHUT-OFF VALVES SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES.
 FILL MATERIAL FOR ROAD EMBANKMENT SHALL BE APPROVED BY THE ENGINEER. FILL SHALL BE PLACED IN 12" LIFTS, WETTED AND COMPACTED WITH SATISFACTORY COMPACTION EQUIPMENT TO 95% OF MAXIMUM DENSITY (STANDARD PROCTOR). 	 ALL BENDS, FITTINGS, CAPS, CONNECTIONS, ETC. SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES AND THE TOP OF PIPE ELEVATION SHALL BE PROVIDED ACCURATE TO 0.1 FEET. BOTH WATER CONNECTIONS WITH THE BUILDING JUST OUTSIDE THE BUILDING SHALL BE HORIZONTALLY LOCATED WITH THREE (3)
6. ROAD IN FILL SECTIONS SHALL BE PLACED AND COMPACTED A MINIMUM OF 3 FEET ABOVE TOP OF ANY UTILITY TO BE INSTALLED BEFORE TRENCH IS EXCAVATED FOR PIPE PLACEMENT. IN TRENCHES AND CUT SECTIONS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHEETING, SHORING AND BRACING TO MAINTAIN COMPLIANCE WITH ALL OSHA/VOSHA REGULATIONS.	 SWING TIES. TOP OF PIPE ELEVATION AT THIS LOCATION WILL ALSO BE DOCUMENTED, ACCURATE TO 0.1 FEET. LOCATION OF THE WATER LINES FINAL CONNECTION WITH THE MUNICIPAL WATER SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES. TOP OF PIPE ELEVATION AT THIS LOCATION WILL ALSO BE DOCUMENTED, ACCURATE TO 0.1 FEET.
 METHODS FOR CONSTRUCTION OF SUBGRADE SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS (2018) 203.12 OR AS DETERMINED BY THE ENGINEER. 	 STORM ALL PIPE SIZES AND TYPES SHALL BE PROVIDED. ALL CATCH BASINS, STORM MANHOLES, AND STORMWATER TANKS SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES.
8. ANY SUBGRADE OR SUBBASE DISTURBED BY CONTRACTOR, OR RENDERED UNSUITABLE BY CONSTRUCTION MACHINERY, SHALL BE REMOVED AND REPLACED WITH APPROVED GRANULAR BACKFILL AT THE CONTRACTOR'S EXPENSE. THE SUBGRADE SHALL BE COMPACTED TO ATTAIN AT LEAST 95% OF THE MAXIMUM DENSITY (STANDARD PROCTOR) BEFORE PLACING ROAD OR EMBANKMENT MATERIALS.	 (INCLUDE 4 CORNERS OF TANKS) LOCATION OF THE STORMS FINAL CONNECTION WITH THE MUNICIPAL SEWER SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES. TOP OF PIPE ELEVATION AT THIS LOCATION WILL ALSO BE DOCUMENTED, ACCURATE TO 0.1 FEET.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF COMPACTION IN THE ROAD AND UTILITY TRENCHES. SAND FILL SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS 	 SEWER ALL PIPE SIZES AND TYPES SHALL BE PROVIDED. SEWERS CONNECTION WITH THE BUILDING JUST OUTSIDE THE BUILDING SHALL BE HORIZONTALLY LOCATED WITH THREE (3)
(2018) 703.03, TABLE 703.03A. GRANULAR BORROW SHALL CONFORM TO THE VERMONT HIGHWAY SPECIFICATIONS 703.04 GRANULAR BORROW, TABLE 703.04A.	 SWING TIES. TOP OF PIPE ELEVATION AT THIS LOCATION WILL ALSO BE DOCUMENTED, ACCURATE TO 0.1 FEET. LOCATION OF THE SEWERS CONNECTION WITH THE MUNICIPAL SEWER SHALL BE HORIZONTALLY LOCATED WITH THREE (3) SWING TIES. TOP OF PIPE ELEVATION AT THIS LOCATION WILL ALSO BE
11. GRAVEL SUBBASE FOR PAVEMENT SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS (2018) 704.05, TABLE 704.05A, COARSE.	DOCUMENTED, ACCURATE TO 0.1 FEET.
SPECIFICATIONS (2018) 704.05, TABLE 704.05A, FINE. SHOULDERS SHALL CONFORM TO SECTION 704.12, AGGREGATE FOR SHOULDERS.	 HORIZONTAL ALIGNMENT SHALL BE ACCURATELY SKETCHED ON A SITE PLAN. THE SITE PLAN SHALL BE SPECIFIC TO ELECTRIC AND COMMUNICATION UTILITIES ONLY. TRENCH X-SECTION (NUMBER AND TYPE CONDUIT_ENCASEMENT)
13. BITUMINOUS CONCRETE PAVEMENT SHALL CONFORM TO VERMONT HIGHWAY SPECIFICATIONS (2018) SECTION 404 AND 406. BINDER COURSE SHALL BE TYPE II, AND FINISH WEARING COURSE SHALL BE TYPE III OR IV. BASE COURSE PAVING TO BE PLACED FIRST YEAR, SURFACE COURSE TO BE PLACED THE SECOND OR THIRD YEAR, DETERMINED BY THE ENGINEER.	DETAIL, CONDUIT LENGTH, RUN DIRECTION) SHALL BE PROVIDED FOR EACH RUN OF CONDUIT. IF THE CROSS-SECTION CHANGES MID RUN THE LOCATION OF THE CHANGE MUST BE INDICATED WITH A NEW CROSS SECTION DETAIL. VT GAS
14. EMBANKMENT FILL FOR ROAD AND PARKING SHALL BE A SIEVE SPECIFICATION AS FOLLOWS: SIEVE % FINER	CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING OWNER WITH A COMPLETE "MARK-UP" PLAN SHOWING THE LAYOUT OF VT GAS PIPING.
4" 100 2" 85-100 #4 60-100 #200 12 MAXIMUM	 <u>SITE LIGHTING</u> CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TO THE OWNER A COMPLETE "MARK-UP" PLAN SHOWING THE LAYOUT OF THE SITE LIGHTING CONDUIT FROM LIGHT POLE TO LIGHT POLE.
15.IF PROOF ROLL FAILS, CONTRACTOR SHALL REMOVE THE SITE SOIL AND REPLACE IT WITH SAND WITH THE ABOVE SPEC. UNTIL A PROOF ROLE CAN BE PLACED WITHOUT FAILING. ENGINEER WILL JUDGE PASS/FAILURE OF PROOF ROLE, THIS WILL BE PERFORMED WITHOUT FURTHER COSTS TO THE OWNER.	 OTHER CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND IDENTIFYING ALL EXISTING UTILITIES THAT ARE EXPOSED IN THE PROCESS OF INSTALLING NEW UTILITIES. CONTRACTOR IS TO PERFORM A SURVEY OF THE NEW ADA RAMPS.

LANDSCAPE ARCHITECTURE & PLANNING

REVISIONS **REVISED PER TOWN COMMENT**

ISSUED

04/10/2024

DATE: F
DATE: FEB

	juno '	CLIE
	Project:	
	Fixture lype: Location:	
	Contact/Phone:	
	PRODUCT DESCRIPTION	
	Sleek, ultra-low profile energy efficient LED sur in multiple sizes from 5" to 13" • Provides ecc mounting directly over standard and fire-rated finish trims available for custom, designer look downlights • Provides general illumination in applications including multi-family and hospit corridors. living spaces closets hollways page	face mount do pnomical install junction boxes similar to stan residential and ality • Ideal for ptries, stairway
	covered areas with Emergency Option and m PRODUCT SPECIFICATIONS	uch more.
	Construction Shallow, less than 1", solid ri conductive fixture for shower light application finish trims available for 5" and 7" versions to fixture Ontice . Light quide technology combined wit	ng with white fi • Optional, fi change the ext h diffusing long
	LEDs from direct view and provides uniform le LEDs from direct view and provides uniform le LED Light Engine LEDs mounted directly to provide superior thermal management and en 3000K, 3500K or 4000K LED color temperat MacAdam ellipse color consistency • 90 CRI LED Driver Choice of dedicated 120 volt (1 voltage (MVQLT) driver that accommodates in	ns luminance. heatsink desigr sure long life • ure • LEDs binn minimum. 20) driver or u put voltages fro
	volts AC at 50/60Hz • Power factor > 0.9 at is dimmable with the use of most incandescent and electronic low voltage wall box dimmers dimmable with the use of most 0-10V wall box is only available on 5" and 7" models • For a see <u>JUNOSLIMFORM-DIM</u> . Life Rated for 50,000 hours at >70% lumen	120V input • 1 , magnetic low • Universal volt dimmers • Ext list of compatil maintenance.
	Labels ENERGY STAR® certified • Certified requirements of California T24 JA8-2016 • C • Suitable for wel locations (covered ceilings). Testing All reports are based on published i performance may differ as a result of the end-	to the high effic SA listed for US industry procedu
	applications. All values are design or typical v laboratory conditions at 25 °C. Warranty 5-year limited warranty. This is the and no other statements in this specification sh of any kind. All other express and implied war Complete warranty terms located at: <u>www.acc</u> <u>warranty/terms-and-conditions</u>	alues, measure ee only warrant eet create any rranties are disc uitybrands.com
	Note: Actual performance may differ as a res and application. All values are design or typical values, measu conditions at 25 °C. Specifications subject to change without notice INSTALLATION	ult of end-user o red under labor e.
	Junction Box Mounting Fixture provided connection in i-box • Installs directly to indust • Compatible boxes include 4" metal or plasti fire-rated junction boxes (3 1/2" junction box for installation) • Minimum 2 1/8" deep junct 7" fixtures (no depth requirement for 11" and mount bracket provides fast installation of fully box • Suitable for ceiling mount • Suitable for spaces when installed per NEC requirements.	with leads for d y standard junc c octagonal sta screw-hole spa ion box require larger fixtures) assembled fixt use within clos Junction box si ation
	SecurityBrands. One Lithonia Way • Co Printed in U.S.A. © 20 Light Commercial & Residential	nyers, GA 30012 17-2023 Acuity Br
	4 CANOPY LIGHT L2.2 SPEC SHEET, N	FIXTURI
	BEACON delign. performance. technology	
VIPER	LUMINAIRE	
• Low papple	URES profile LED area/site luminaire with a variety of cations such as auto dealership, retail, comme uring two different optical technologies. Strike	IES distributior rcial, and camp
whichRated	a provide the best distribution patterns for retri-	ofit or new cons les and overpa
rated Contr	for 1.5G ol options including photo control, occupancy	sensing, NX Li
New be cu	customizable lumen output feature allows for the istomized in the factory to meet whatever spec	e wattage and ification require
• Field	interchangeable mounting provides additional	flexibility after th
C U		tida ARK SKY APPROVED
CON		SERVI
		ST
Die-ca optim	RUCTION ist housing with hidden vertical heat fins are al for heat dissipation while keeping a clean the outpresentation	 ELECTRICAL Universal 120 voltage, 50/6
 Corros 1000 ł 	sion resistant, die-cast aluminum housing with nour powder coat paint finish	 Ambient ope Drivers have less than 20^o
Extern OPTICS Micro	al hardware is corrosion resistant Strike Optics (160, 320, 480, or 720 FD	 LED drivers h current prote auto recover
count come illumir provic on pa) maximize uniformity in applications and standard with mid-power LEDs which evenly ate the entire luminous surface area to le a low glare appearance. Catalog logic found ge 2 Optics (36, 72, 108, or 162 I FD counts)	 Field replace 20kA protect Category C H Automatically when device
provid pole s powe a poly of the comb found	le best in class distributions and maximum pacing in new applications with high red LEDs. Strike optics are held in place with carbonate bezel to mimic the appearance Micro Strike Optics so both solutions can be ned on the same application. Catalog logic on page 3	 Dual Driver of luminaire bur luminaire, wh drivers which sets of leads options cannot cannot burger
 Both of with n light to shield furthe One-r 	ptics maximize target zone illumination inimal losses at the house-side, reducing espass issues. Additional backlight control s and house side shields can be added for r reduction of illumination behind the pole viece silicone gasket ensures a weatherproof	 CONTROLS Photo control, controls, and complete on/ Please consu- combining combining co
• Zero u	ıp-light at 0 degrees of tilt rotatable optics	combinations depending o • 7-pin ANSI C
INSTALI	.ATION ing patterns for each arm can be found on 11	option availa wireless cont separately)
 Option install 	nal universal mounting block for ease of ation during retrofit applications. Available	• 0- 10V Dimmi leads are ext

E, JSF

QTY: 14

QTY: 1

steadyrack[™]

Your total bike parking guide

Introduction to Bike Parking

A guide to planning and designing the optimum use of your available space.

Steadyrack - wall mounted storage rack

When designing parking for bikes the most space efficient option is a vertical wall or a frame mounted system. However, vertical solutions have traditionally been difficult to use.

Conventional wall mounted bike racks typically utilise a hook to hang the bike by the front wheel. The user would then need to lift their bike up vertically and manage it, whilst attempting to align the gaps in the spokes with the hook. Balancing a bike in this manner is difficult, especially with heavier commuter bikes and can lead to damage to adjacent bikes and possibly even injury to the user.

Steadyrack bike racks remove these potential hazards by utilizing a pushing and pulling action, as opposed to lifting vertically. When combined with the patented pivot design, this enables designers to park more bikes in much less space.

Loading bikes onto a Steadyrack is almost effortless. The user simply balances the bike on the back wheel and engages the entry point of the racks with the front wheel, then pushes forward and the bike will roll up and drop snugly into place.

To unload, the user simply pulls the bike backwards and it will drop effortlessly out of the rack and onto the ground. The design utilises the mechanical advantage of the wheel turning to do the work. Individual bikes can be loaded and unloaded, even in very tight spaces, with little or no risk of damage to adjacent bikes and no risk of injury to the users.

We are 100% authentic Australian owned and pride ourselves on our unique and innovative range of patented products, outstanding customer service and contributions to promoting cycling as viable and acceptable method of transportation.

For more information, go to **steadyrack.com/videos**

At Steadyrack we provide a bike storage and parking solution for almost any situation.

Features and Advantages

Architects and planners are recognising the benefits and features of Steadyrack.

Architects and designers know that building owners and managers, along with their tenants are seeking solutions that provide space efficient and user-friendly bike parking options. Steadyrack can provide more bike parking per square metre of space than any other system and the bike riding community is happy because it's easy to use and it protects their bikes.

Many global architectural firms now specify Steadyrack for all of their End-of-Trip Facilities due to these unique features. Steadyrack is also suitable whether designing for a new building or retrofitting an existing one.

Here are just a few of the leading global brands and architectural firms that have specified Steadyrack for their projects.

After a survey of the available options we appreciate the unique design features of the Steady Storage Rack for bicycles.

Lou Cotter, The Buchan Group

The result was nothing short of fantastic, we increased our capacity to hold bikes from 20 bikes to over 50 after less than 3 hours of installation.

Anthony Day, Cycling Rep. CBH

Features and Advantages

NO LIFTING

Our racks are loved by bike riders because there is no lifting required. The Steadyrack works using a pushing and pulling action to load and unload bikes, making it suitable for people of all ages, capabilities and strengths. Suitable for e-bikes, road bikes, e-bike and bikes with or without fenders.

SAVES SPACE

Steadyrack's revolutionary design saves more of your valuable floor space. Steadyrack bike racks can be mounted to virtually any wall and will conveniently swivel up to 160 degrees, from side to side, to lie flat. Steadyracks can be installed as close as 350mm apart and due to the swivel action, can be overlapped. When the rack is empty, the arm simply folds away.

SAFE AND SECURE

Bikes fit snugly into Steadyrack bike racks. There is virtually no risk of bikes falling over or falling out of the Steadyrack, making them safer to use and minimizes the risk of damaging adjacent bikes or causing injury to users. The racks fold closed when not in use and bikes can be securely locked to our racks using conventional chain or D type locks.

BUILT TO LAST

The Steadyrack range is suitable for bikes of all sizes, even those with tyres as wide as 5 inches can be supported safely and securely. Steadyrack bike racks will also support bikes with fenders and mudguards, making it an extremely versatile solution for your bike parking requirements. Made from steel and UV treated plastic, our racks are strong and built to last.

Features

One brand, total solution - There's no need to buy multiple brands.

Stylish contemporary design – The highly engineered Steadyrack ticks the boxes for both form and function.

Lockable – Lock your bikes into a Steadyrack easily using conventional locks readily available in the market.

Safe to use – No juggling the bike in the air, won't easily dislodge, bikes won't swing around like they do on a hook and cause injury or damage to people, cars or adjacent bikes from accidental contact. If someone bumps into the bikes walking past the racks the pivoting arms will move and will absorb the impact. Prevents damage or injury from accidental dislodging or swing around

Protects your bike – The only contact with the rack when its loaded is the front tire, uses the tire like a cushion to support the bike weight. Wont damage wheels or rims or the bike

E-Bike compatible - E-bikes with or without fenders can be rolled into our racks.

Engineered and built to last – Made with high quality steel components and plastics which will last a very long time when properly maintained.

Wide variety of uses and applications - can be installed on any vertical surface anywhere.

Mudguards and fenders compatible - The only rack available you can roll a bike

with fenders or mudguards in and out.

Easy to install - Even if you're not super handy, Steadyracks are very easy to install.

Folds away when not in use – To further maximise your bike storage area, the arms fold up on themselves to create an unobtrusive profile.

Hang bikes up to 35kgs - Accommodates most bikes up 35kgs, including E-Bikes.

Future proof your storage/parking – Change your bike, no need to change racks, if they have a front wheel one of our racks will suit.

No Spokes no problem - Fits bikes with disc wheels.

Deep Rims no problem - Compatible with different rim depths and tyre sizes.

Universal fit - Almost any bike can be hung in a Steadyrack

Park cars alongside rack – Load and unload bikes at any angle you can take bikes in and out of racks alongside cars. No need to move cars out or unload other bikes to get your bike out of the racks.

Fat tyres compatible - Roll a bike with up to 5-inch-wide Fat Tyres into a Steadyrack.

Compatible with suspension forks – It's recommended to use a vertical hanging rack for bikes with suspension forks to protect the seals in the forks.

Compatible with hydraulic brakes - OK to hang bikes with hydraulic brakes.

Spacing Guides

Bike parking designers do not know in advance exactly what types of bikes will be utilising the facility. To address this issue, we have created SPACING GUIDES to assist in the design and planning of new bike parking facilities.

Each of these guides will allow you to cater for almost all bike types and sizes.

Mounting Heights General Information

The overall length of a bike determines the optimum mounting height for our range of bike racks. The perfect mounting height is achieved when the bike is hanging in the rack and the rear wheel is close to the floor but not touching the floor. We have developed these mounting height and spacing guides because in most cases the designers of the installation won't know exactly what bikes are to be parked. These guides will allow almost any bike to be hung in one of our racks.

These are designed to be a "one size fits all" solution, however we do recommend you take the time to check the layout and spacing for your individual project to ensure it will function as required.

All of our guides and installation videos can be found at: steadyrack.com/manuals

steadyrack[™] Spacing Guides

600mm centres - non-staggered

This spacing is ideal for installations where you want the bikes to all be at the same height and you have plenty of available wall space or you are able to install frame systems or posts to attach the racks to.

Spacing Distances

We recommend a minimum spacing of 600mm when the racks are all at the same height. This allows for users to easily access their bikes stored amongst others at the same height.

Mounting Height

Bicycles come in a huge variety of differents. For example Road Bikes typically come in small, medium and large, with the length of a large road bike being 1.7m. This guide assumes the longest types of bikes will be able to be parked. It's advisable the Steayracks can accommodate the largest bikes to ensure all facility users can mount their bikes. However, you can mount the racks lower if you choose to accommodate smaller bikes. The below diagram is a one-size fits all approach and is a guide only. Please check your local regulations for bike parking facilities to ensure you comply. We're happy to work with you to make installation in your space as efficient as possible. To discuss how we can help you with your bike parking plans, contact us at sales@steadyrack.com.

steadyrack[™] Spacing Guides

350mm centres – Staggered

This is the most utilised option due to the fact that many more bikes are able to be parked in the same length of wall or framing without sacrificing functionality or ease of use.

Spacing Distances

At 350mm centres the bikes handle bars will overlap the adjacent bikes but, by utilising the patented pivot design, facility users will be able to pivot bikes either side to create an access space. They can then load or unload their bikes easily and safely without risk of contacting the bikes next to theirs. This pivot function creates sufficient access space for loading and unloading and saves significant wall space to allow many more bikes to be parked in the same length, a feature not possible with conventional static bike racks.

Mounting Height

Bicycles come in a huge variety of different lengths. For example Road Bikes typically come in small, medium and large, with the length of a large road bike being 1.7m. This guide assumes the longest types of bikes will be able to be parked in the lower mounted Steadyrack. It's advisable the lower mounted Steayracks can accommodate the largest bikes to ensure all facility users can mount their bikes. However, you can mount the racks lower if you choose to accommodate smaller bikes.

The below diagram is a one-size fits all approach and is a guide only. Please check your local regulations for bike parking facilities to ensure you comply. We're happy to work with you to make installation in your space as efficient as possible. To discuss how we can help you with your bike parking plans, contact us at sales@steadyrack.com.

Design Advice

We can assist you with design and planning the perfect bike parking system to optimise the available space for your project needs. Our website offers a suite of product information, technical data, specifications, installation guides, set out and spacing guides, along with access to our Revit Files or you can contact us at sales@steadyrack.com

THIS INFORMATION IS PROVIDED AS A GUIDE ONLY, IT IS RECOMMENDED THAT YOU CHECK EACH INDIVIDUAL PROJECT TO ENSURE THE DESIGN AND LAYOUT WILL FUNCTION AS DESIGNED.

Custom Colour Schemes and Logos

You can also order custom colour schemes. Choose different colours for the plastic components to reflect your project's unique and individual style or your corporate colour scheme. You can even incorporate your company brand or logo.

Please contact us for more information at: sales@steadyrack.com

*POA and Minimum Order Quantities apply.

Care, Maintenance and Warranty

Maintaining Your Steadyrack

To ensure your Steadyrack bike rack operates perfectly we recommend you perform the following basic maintenance and checks:

• Check and adjust tension on the nuts on Central Pivot Bar

The nuts that attach the central pivot bar to the top and bottom mounting brackets are pretensioned in the factory to a torque setting of 5nm. This is to ensure there is enough resistance when you push your bike into the rack to stop the arms swinging out of the way.

Remove the two clip-in end caps which cover the mounting brackets using a 13mm socket wrench or a suitable spanner. Adjust the nuts connecting the central spine to the top and bottom mounting brackets to the desired tension. Be sure to not overtighten or the rack won't pivot. Replace your end caps and you are good to go.

• Check the nuts attaching the top and bottom arms to the Central Pivot Bar

The two arms are connected to the central pivot bar by bolts with dome nuts and black tips either side. These can work loose over time. Check them periodically and tighten.

• Check your mounting bolts from time to time to make sure they haven't worked loose and tighten if necessary.

Cleaning

Ensure the rack remains free from dirt and debris and clean by dusting or using a dry cloth from time to time.

Materials

Mild Steel Zinc Coated and UPVC Plastics.

Warranty

Steadyrack warrants that the Steadyrack Bike Rack is free from defects in workmanship and materials for a period of five years from the date of retail purchase. Any claim for breach of this warranty must be made on the following conditions:

- The defects have arisen solely from faulty materials or workmanship;
- The Steadyrack Bike Rack must not have been changed, nor tampered with in any way;
- The defects have not arisen as a result of the Steadyrack Bike Rack being installed outdoors in direct contact to weather conditions like sunlight, snow and rain.
- Failure of the Steadyrack Bike Rack must not be due to misuse, improper installation or other maltreatment, interference or abuse including, but not limited to, use in a manner contrary to our specifications or instructions;
 - The Steadyrack Bike Rack must be returned directly to the supplier;
 - Steadyrack will not be responsible for damage or loss caused during or as a result of shipping; and
 - Subject to the above conditions of warranty, if the Steadyrack Bike Rack fails for any reason within the warranty period and the Steadyrack Bike Rack is returned to us, Steadyrack will at its discretion repair, replace or cause to be repaired or replaced, the Steadyrack free of charge at its expense.
- Steadyrack warranty is voided if racks are used to transport bicycles.

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