GENERAL
1. CONTRACTOR SHALL COORDINATE THE USE OF MOTORIZED LIFTS AND/OR HEAVY EQUIPMENT WITH THE OWNER.
2. CONTRACTOR SHALL PROTECT EXISTING TURTLE, CONCRETE PAVEMENT AND SURFACE RAINWATER AND PAVEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
3. THE MILL AT WATERTOWN LABORATORY FACILITY WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL TRAFFIC SIGNS AND CAUTION TAPE TO DIRECT PEDESTRIAN AND Vehicular TRAFFIC.
4. THE MILL AT WATERTOWN LABORATORY REPLACEMENT AND LOADING DOCK ROOF REPLACEMENT PROJECTS ARE SCHEDULED TO BE PERFORMED WITHIN THE SAME TIME PERIOD AS THIS PROJECT. CONTRACTOR SHALL COORDINATE THEIR WORK SCHEDULE WITH THE OWNER ON A DAILY BASIS TO ENSURE THAT NO SCHEDULING CONFLICTS OCCUR. WORKER SAFETY MUST BE MAINTAINED.
5. CONTRACTOR SHALL BE RESPONSIBLE TO POST SIGNAGE AT THE EDGES DOORS TO MAKE OCCUPANTS AWARE OF ALL WORK BEING PERFORMED AND TO REQUIRE THEM TO USE A SAFE Worker ZONE TO AVOID THE WORK AREA.
6. CONTRACTOR SHALL CONSTRUCT AND PROTECT THE BUILDING FACADES AND WINDOWS WHEN SAWCUTTING OR PERFORMANCE OF SURFACE ACTIVITIES THAT GENERATE DUST.
7. ALL SAWCUT OPERATIONS SHALL UTILIZE WET CUTTING TO MINIMIZE DUST
8. ALL SAWCUT EDGES MUST BE CLEANED TO PROVIDE STUDY FOR ALL RAILING LOCATIONS.
9. CONTRACTOR SHALL REVIEW THE EXISTING PLANS, ELEVATIONS AND SECTIONS TO OBTAIN A THOROUGH UNDERSTANDING OF HOW THE WALLS, STAIRS AND RETAINING WALLS WERE CONSTRUCTED (REFERENCES ORIGIN DESIGN DRAWINGS 2047-3G DATED MARCH 26, 1985).
10. PROVIDE SAFETY PLAN.
11. CONTRACTOR SHALL CLEAN ALL WINDOWS ON GROUND LEVEL.

AREA 1 - BLUESTONE REMOVAL / STAMPED ASPHALT INSTALLATION
1. PRIOR TO THE START OF WORK, CONTRACTOR SHALL COVER AND PROTECT ALL ELECTRICAL, LIGHT BOLLARDS, PROVIDE HEAT SHIELDING WHEN PERFORMING THE STAMPED PAVEMENT HEATING PROCESS.
2. REMOVE EXISTING BLUESTONE SLABS AND MORTAR BED DOWN TO THE TOP OF THE NEW CONCRETE BASE SLAB.
3. PREP EXISTING CONCRETE SLAB SURFACE SMOOTH AND THROUGHLY CLEAN TO ACCEPT NEW ASPHALT.
4. REMOVE AND REPLACE PAINTED AND BLOWN UP AREAS, MAINTAIN SURFACE UNIFORM AND STABILITY.
5. CONTRACTOR SHALL BE EXTREMELY CAREFUL NOT TO DAMAGE OR PENETRATE THE EXISTING CONCRETE BASE SLAB.
6. REMOVE ALL BLUESTONE CAP MORTAR AND / OR CAULK JOINTS. REMOVE OLD DETERIORATED MORTAR AND / OR CAULK AND REPAIR WITH NEW MORTAR. TYPE 3 ABOVE GRACE AND TYPE 5 BELOW GRACE. REPAIR AND LEVEL ANY LOOSE BLUESTONE TOP CAPS. BLUESTONE CAP REPAIRING SHALL INCLUDE TOP HORIZONTAL SURFACE JOINT AND BOTH SIDE VERTICAL JOINTS. SUBMIT MORTAR COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. COLOR OF ASHPLASTIC CAP REPAIRING IS TO BE REFINISHED TO MATCH THE WORK OF THE NEW ASPHALT PAVING AS SHOWN.
7. CAREFULLY REMOVE EXISTING DRAIN COVER AND BODY CASING SET IN BLUESTONE. INSTILL TO ACCOMMODATE NEW ASPHALT PAVING AND SET FINISH ELEVATION TO THE APPROPRIATE GRAGE TO ALLOW FOR PROPER DRAINAGE. REPLACE STEEL PIPE SECTION FOR PROPER ELEVATION INTO EXISTING DRAIN LINE.
8. APPLY ASPHALT SCAFFOLD OVER ENTIRE PROPERLY PREPARED EXISTING CONCRETE SURFACE AREA NOTED TO RECEIVE ASPHALT.
9. INSTALL NEW 3” X 6” DOT GLASS 2 STUMULOS NONFUSIBLE CONCRETE PAVING. CONTRACTOR SHALL FIELD SURVEY EXISTING GRACES AND PROPERLY SLOPE NEW ASPHALT TO DRAIN. COORDINATE GRACES WITH TWO (2) EXISTING DRAINS AND THE EXISTING PAVED ELEVATIONS AT THE EAST AND WEST ENDS TO ALLOW FOR SMOOTH TRANSITIONS BETWEEN THE NEW AND EXISTING.
10. NEW ASPHALT SHALL BE STAMPED WITH A 1”X1” SQUARE PATTERN. COLOR SHALL BE GYM STREET WASH (COLOR REFLECTIVE SLATE). SEE AREA 2 PLAN FOR DETAILS.
11. INSTALL 12”X12” STAMPED ASPHALT BANDS AT THE EAST AND WEST ENDS OF THE NEW PAVEMENT. COLOR OF BANDS SHALL ALSO BE GYM SLATE (SEE PLAN FOR LOCATIONS). COLOR SHALL BE GYM STREET WASH (COLOR REFLECTIVE SLATE). SEE AREA 2 PLAN FOR DETAILS.
12. REMOVE AND ALIGN EXISTING CONCRETE PAVEMENT AT EAST END TO ALLOW FOR A SMOOTH TRANSITION BETWEEN THE NEW AND EXISTING SURFACES.
13. SAWCUT CONCRETE WALL AT THE WEST END START OF ASPHALT TO ALLOW FOR A SMOOTH TRANSITION BETWEEN THE NEW AND EXISTING SURFACES.
14. PREP AND PAINT ENTIRE LENGTH OF RAILING ALONG LANE AVENUE, REMOVE ALL LOOSE, BUBBLED, RAISED SURFACES (SEE AREA 3 PLAN FOR DETAILS)
15. APPLY K EMBOND Primer And SCHURKON Paint - COLOR SHALL BE BRONZE TO MATCH EXISTING.
16. PLACE 6” DEEP OF TOPSOIL ALONG THE ENTIRE LENGTH OF THE NEW STAMPED ASPHALT INSTALLATION. GRACE, APPLY ADHESIVE DISTURBED AND SAND AND STABILIZE UNTIL NEW GRASS IS ESTABLISHED. SUGGEST MOW PERIODICALLY IN GRASS AREAS THAT WERE DAMAGED DURING CONSTRUCTION. REPAIR ALL ADJACENT DISTURBED AREAS RELATED TO EXCAVATION WITH NEW TOP SOIL. SEED AND RESTAURATE AS NOTED IN AREAS 1-2 TIMES A WEEK. SUITABLY COVER WITH HAY.

AREA 2 - CONCRETE WALK REMOVAL / STAMPED ASPHALT INSTALLATION
1. CONTRACTOR SHALL REMOVE EXISTING CONCRETE SIDEWALKS AND SURFACE MATERIAL DOWN TO THE SUBGRADE OR DEEPER TO PROVIDE A SUBGRADE. SEE PLAN FOR LOCATION CLARIFICATIONS NEW SIDE WALK SYSTEM WIDTH TO BE INCREASED BY 12’. HOLD WEST EDGE (REFERENCE SK-13-4 TO MEET SUBGRADE REQUIREMENTS).
2. CONTRACTOR SHALL MAINTAIN EXISTING CONCRETE STAIRS AND BROWNSTONE WALLS IN PLACE. PROTECT FROM DAMAGE FOR THE DURATION OF THE PROJECT.
3. REMOVE AND RE-INSTALL EXISTING POST SIGN AT SOUTH END OF BROWNSTONE WALL SET IN NEW CONCRETE FOOTING.
4. REMOVE AND RE-INSTALL CURB TO COMPLETE THE WORK.
5. INSTALL LANDSCAPING STONE (SEE AREA 2 PLAN FOR LOCATION)
6. APPLY ALL BLUESTONE CAP MORTAR AND / OR CAULK JOINTS. REMOVE OLD DETERIORATED MORTAR AND / OR CAULK AND REPAIR WITH NEW MORTAR. TYPE 3 ABOVE GRACE AND TYPE 5 BELOW GRACE. REPAIR AND LEVEL ANY LOOSE BLUESTONE TOP CAPS. BLUESTONE CAP REPAIRING SHALL INCLUDE TOP HORIZONTAL SURFACE JOINT AND BOTH SIDE VERTICAL JOINTS. SUBMIT MORTAR COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. EXISTING BLUESTONE CAP REPAIRING IS SHOWN ON THE AREA 2 PLAN.
7. INSTALL NEW 3” X 6” DOT GLASS 2 STUMULOS CONCRETE SURFACE COURSE (REFERENCE RIVINUMOS CONCRETE PAVEMENT SECTION FOR CLARIFICATIONS AND THICKNESS REQUIREMENTS).
8. MARK EXISTING ASPHALT PAVING TO THE SOUTH END OF THE 2ND ARCHWAY. HOLD WEST END OF EXISTING SIDEWALKS FOR LAYOUT. ADD 12” TO THE WIDTH OF THE NEW STAMPED ASPHALT WALKWAY (SEE AREA 2 PLAN FOR DETAILS).
9. REMOVE AND ALIGN EXISTING BLUESTONE PAVERS IN NEW COMPACTED SUBGRADE AT ARCHWAYS TO ALLOW FOR A SMOOTH TRANSITION BETWEEN THE NEW AND EXISTING SURFACES.
10. NEW ASPHALT SHALL BE STAMPED WITH A 1”X1” SQUARE PATTERN. COLOR SHALL BE GYM STREET WASH (COLOR REFLECTIVE SLATE). PLACE 6” DEEP OF TOPSOIL ALONG THE ENTIRE LENGTH OF THE NEW STAMPED ASPHALT INSTALLATION. GRACE, APPLY ADHESIVE DISTURBED AND SAND AND STABILIZE UNTIL NEW GRASS IS ESTABLISHED. SUGGEST MOW PERIODICALLY IN GRASS AREAS THAT WERE DAMAGED DURING CONSTRUCTION. REPAIR ALL ADJACENT DISTURBED AREAS RELATED TO EXCAVATION WITH NEW TOP SOIL. SEED AND RESTAURATE AS NOTED IN AREAS 1-2 TIMES A WEEK. SUITABLY COVER WITH HAY.
AREA 3 -
CONCRETE STAIR REPLACEMENT / STAMPED ASPHALT INSTALLATION

1. CONTRACTOR SHALL REMOVE EXISTING CONCRETE SIDEWALK SLABS AND SUBBASE MATERIAL DOWN TO THE SUBGRADE. (SEE PLAN FOR LOCATION CLARIFICATION). EXCAVATE AS REQUIRE TO PROVIDE 6" COMPACTED SUBBASE. (SEE SHEETS SK 13-3 AND SK 13-4).  
2. CAREFULLY REMOVE EXISTING CLEANOUT COVER AND BODY CASING IN EXISTING CONCRETE WALK AS SHOWN ON THE PLAN. REINSTALL TO ACCOMMODATE NEW ASPHALT PAVING. REPLACE STANDBY PIPE SECTION AND/OR BODY FOR PROPER TIE-IN INTO EXISTING DRAIN LINE.  
3. CAREFULLY DUG UP AND REMOVE EXISTING CONCRETE STAIRS AS NOTED. FORM AND POUR NEW CONCRETE STAIRS. MAINTAIN AND PROTECT EXISTING BROWNSTONE CHEEK / RETAINING WALLS ON EITHER SIDE. ALSO MAINTAIN AND PROTECT LOWER EAST 4 RISER STAIR AS NOTED ON THE PLAN.  
4. NEW STAIR TREAD AND RISER DIMENSIONS SHALL BE PER CODE (SIMILAR TO EXISTING TREAD AND RISER DIMENSIONS) AND SHALL BE COORDINATED WITH THE EXISTING BROWNSTONE CHEEK WALL SLOPE.  
5. REFERENCE AREA 3 CONCRETE STAIR DETAIL FOR STAIR CONSTRUCTION DETAILS AND REQUIREMENTS (SEE SHEET SK 13-7).  
6. REMOVE AND RESET GRANITE CURBS TO COMPLETE THE WORK. REMOVE AND REINSTALL AREAWAY GRATES AS REQUIRED. ENSURE AREAWAY OPENING IS COVERED WITH FILTER FABRIC TO ALLOW AIR EXCHANGE AT ALL TIMES DURING CONSTRUCTION.  
7. REPOINT ALL BROWNSTONE CAP MORATOR AND OR CAULK JOINTS. REMOVE OLD DISSOLVABLE MORTAR AND OR CAULK AND REPOINT WITH NEW MORTAR - TYPE N ABOVE GRADE AND TYPE S BELOW GRADE. RESET AND LEVEL ANY LOOSE BROWNSTONE TOP CAPS. BROWNSTONE CAP REPOINTING SHALL INCLUDE TOP HORIZONTAL SURFACE JOINT AND BOTH SIDE VERTICAL JOINTS. SUBMIT MORTAR COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. EXTENT OF BROWNSTONE CAP REPOINTING IS SHOWN ON THE AREA 3 PLAN.  
8. CLEAN AND REPOINT BROWNSTONE MORTAR JOINTS AT ALL LOCATIONS IDENTIFIED ON THE PLANS.  
9. INSTALL NEW COMPACTED SUBBASE, CLASS 1 BINDER COURSE AND CLASS 2 SURFACE COURSE AT LOCATIONS SHOWN ON THE PLAN. (REFERENCE BITUMINOUS CONCRETE PAVEMENT SECTION FOR CLARIFICATION AND THICKNESS REQUIREMENTS).  
10. RESET AND ALIGN EXISTING CONCRETE PAVERS TO ALLOW FOR A SMOOTH TRANSITION BETWEEN THE NEW STAMPED ASPHALT AND EXISTING CONCRETE PAVER SURFACES.  
11. NEW ASPHALT SHALL BE STAMPED WITH A 10'X10' SQUARE PATTERN. COLOR SHALL BE "G" STREETBOND SR (SOLAR REFLECTIVE) SLATE.  
12. SAWCUT EXISTING CONCRETE TO ALLOW FOR A SMOOTH AND EVEN JOINT BETWEEN THE NEW AND EXISTING SURFACES - THIS IS TYPICAL AT ALL AREAS WHERE NEW ASPHALT TIES INTO EXISTING SURFACES.  
13. INSTALL NEW CONTINUOUS GRIPPING, INTERMEDIATE STAIR HANDRAIL. RAIL SHALL BE FABRICATED FROM MODEL H236 BY WAGNER COMPANIES. INSTALL NEW HANDRAIL BRACKETS SPACED TO SUPPORT NEW HANDRAIL. (REFERENCE PLAN FOR LOCATIONS).  
13.1. HANDRAIL AND BRACKETS SHALL BE HOT DIPPED GALVANIZED.  
13.2. ALL GALVANIZED STEEL SHALL BE PREPARED PER SGPC-5P-1 PRIOR TO RECEIVING PAINT COATING.  
13.3. FOLLOW AGA FOR ALLFIELD PAINTING OF GALVANIZED STEEL, USING PMX DEVFLEX 4323 LF PRIMER AND DEVFLEX 4311 GP PAINT.  
13.4. NOTIFY GALVANIZER OF FIELD PAINTING.  
13.5. PROVIDE SHOP DRAWINGS FOR REVIEW.  
13.6. COLOR SHALL BE DARK BRONZE TO MATCH EXISTING.  
14. PREP AND PAINT ALL AREA 3 RAUNINGS (SEE AREA 3 PLAN FOR CLARIFICATION). APPLY KEM BOND PRIMER AND SHER-CRY, PAINT.  
15. PLACE 6" DEEP OF TOPSOIL ALONG THE ENTIRE LENGTH OF THE NEW STAMPED ASPHALT INSTALLED. GRADE, APPLY GRASS AND STRAW AND WATER UNTIL NEW GRASS IS ESTABLISHED. RE-SEED AND RE-ESTABLISH ANY GRASS AREAS THAT WERE DAMAGED DURING CONSTRUCTION. REPAIR ALL ADJACENT DISTURBED AREAS RELATED EXCAVATION WITH NEW TOP SOIL. SEED AND RE-ESTABLISH AS NOTED. WATER 3 TIMES A WEEK, SUFFICIENTLY COVER WITH STRAW.  
16. PROVIDE AN ADD ALTERNATE PRICE TO INSTALL GRANITE STAIR TREADS IN LIEU OF CAST-IN-PLACE CONCRETE TREADS (SEE DETAIL THIS SHEET). REFERENCED DETAIL IS FOR INTENT AND BIDDING PURPOSES ONLY.
AREA 1 - EXISTING BLUESTONE WALK SECTION

Not to Scale

- Place 6" deep of topsoil at edges of paved walk, repair all disturbed grass area and re-seed as required to re-establish lawn areas (typical - both sides) wash 2 times a week, cover with hay.

- New Stamped Asphalt - 10" x 10" square pattern, color shall be gray; streetbond sk solar reflective slate.

- 2" Dot Class 2 Bituminous Concrete

- Cross slope for drainage as required.

- Varies see plan.

- 6" Min.

AREA 2 & 3 - BITUMINOUS CONCRETE PAVEMENT SECTION

Not to Scale

- Compacted processed subbase compacted to 95% of maximum dry density as determined by ashto t-80. Method D - conforming to cdtct form B-16 art M-02 01.

- Existing Bluestone Cap

- Provide water tight expansion joint and caulk.

- Existing Brownstone Wall

- Apply asphalt tack coat.

- Existing concrete base slab.

- Remove and replace potted or blown up areas, maintain surface uniformity and stability.

- Not to scale - required in field.

- Area 2 - Cut and Match Existing Pavement Detail

- Not to scale - required in field.

AREA 1 - PROPOSED STAMPED ASPHALT WALK SECTION

Not to Scale

- Carefully prep existing concrete base slab to provide a smooth surface for the new asphalt pavement.

- Deteriorated bluestone slab (to be removed).

- Existing Mortrar setting bed (to be removed).

- Subgrade.

- Existing concrete base slab (to remain).

- Area 2 & 3 - Bituminous Concrete Pavement Section

- Not to Scale

- Required in field.

- Stair & Walkway Replacements

- 237 Church Street (Hall Avenue)
AREA 3 - NEW CONCRETE STAIR DETAIL