

NEW BEDFORD HAWTHORN STREET				
STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS	
MASS.	SOF-0025(008)X CM-0025(008)X STP-0025(008)X	2	92	
PROJECT FILE NO. 604293				

GENERAL LEGEND ABBREVIATIONS & NOTES

GENERAL SYMBOLS

EXISTING	PROPOSED	
		CATCH BASIN (MUNICIPAL STANDARD)
		CATCH BASIN (GUTTER INLET OR LEACHING BASIN)
		CATCH BASIN (GUTTER INLET) WITH CURB INLET
		CATCH BASIN (MUNICIPAL STANDARD)
		DOUBLE CATCH BASIN (WITH CURB INLET)
		CURB (BERM) TYPE NOTED
		EDGE OF PAVEMENT
		ELECTRIC HANDHOLE (NUMBER AS NOTED)
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		SEWER MANHOLE
		DRAINAGE MANHOLE
		GAS GATE
		WATER GATE
		CURB STOP
		HYDRANT
		FIRE ALARM BOX
		PARKING METER
		STREET LIGHT
		UTILITY POLE
		GUY POLE
		DRAIN PIPE (DOUBLE LINE 24" & OVER)
		SEWER MAIN
		ELECTRIC DUCT
		GAS MAIN
		WATER MAIN
		TELEPHONE DUCT
		MAIL BOX
		HIGHWAY GUARD (TYPE NOTED)
		FENCE (SIZE & TYPE NOTED)
		HIGHWAY / PROPERTY BOUND (TYPE NOTED)
		CITY, TOWN OR COUNTY LAYOUT
		STATE HIGHWAY LAYOUT (S.H.L.O.)
		EASEMENT LINE
		PROPERTY LINE
		CITY, TOWN OR COUNTY BOUNDARY
		TOE OF SLOPE
		SURVEY TRAVERSE
		CONSTRUCTION BASELINE ("MAJOR ROADWAY")
		CONSTRUCTION BASELINE ("MINOR ROADWAY")
		WHEELCHAIR RAMP
		WHEELCHAIR RAMP (ONE WAY)
		TREE/STUMP (SIZE & TYPE NOTED)
		BORINGS & PAVEMENT CORES
		TEST PIT
		RETAINING WALL
		LIGHT POLE AND PENDENT LUMINAIRE
		LIGHT POLE AND RESIDENTIAL LUMINAIRE
		LIGHT POLE AND TWIN RESIDENTIAL LUMINAIRE
		WETLAND FLAGGING
		100' WETLAND BUFFER LINE
		HAY BALE AND SILT FENCE

ABBREVIATIONS

GENERAL	
BO	BY OTHERS
PROP	PROPOSED
MIN	MINIMUM
MAX	MAXIMUM
ABAN	ABANDON
ADJ	ADJUST
REM	REMOVE
REP	REPLACE
RET	RETAIN
RET+PROT	RETAIN AND PROTECT
REMOD	REMODEL
EXIST	EXISTING
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R&D	REMOVE AND DISCARD
ELEV	ELEVATION
FDN	FOUNDATION
BOS	BOTTOM OF SLOPE
TOS	TOP OF SLOPE
GC	GRANITE CURB
GE	GRANITE EDGING
SGC	SLOPED GRANITE CURB
BC	BITUMINOUS CURB
BB	BITUMINOUS BERM
CC	CONCRETE CURB
NC	NOT IN CONTRACT
NTS	NOT TO SCALE
APPROX	APPROXIMATE
TYP	TYPICAL
PSB	PLANTABLE SOIL BORROW
PAVT	PAVEMENT
LOP	LIMIT OF PAVING
PGL	PROFILE GRADE LINE
HES	HIGH EARLY STRENGTH
HMA	HOT MIX ASPHALT
CLO	CITY LAYOUT
ROE	RIGHT OF ENTRY
PTH	PLANIMETER TO HERE
CPO	COLD PLANE AND OVERLAY
SAMI	STRESS ABSORBING MEMBRANE INTERLAYER
UTILITIES	
CIT	CHANGE IN TYPE
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
RCP	REINFORCED CONCRETE PIPE
PVC	POLY-VINYL-CHLORIDE PIPE
CIP	CAST IRON PIPE
DIP	DUCTILE IRON PIPE
ACOMP	ASPHALT COATED CORRUGATED METAL PIPE
CAP	CORRUGATED ALUMINUM PIPE
SB	SERVICE BOX
HYD	HYDRANT
INV	INVERT ELEVATION
PWW	PAVED WATER WAY
UP	UTILITY POLE
TSV&B	TAPPING SLEEVE, VALVE & BOX
COND	CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE PIPE

GENERAL NOTES

- BASE MAPPING PROVIDED BY CHAPPELL ENGINEERING ASSOCIATES, LLC. 201 BOSTON POST ROAD WEST, SUITE 301, MARLBOROUGH, MA 01752. PHONE: (508) 481-7400. FAX: (508) 481-7406. COMPLETED SEPTEMBER 20, 2006.
- ALL BASELINE TIES FOR CORNERS AND RADII OF CURB OR EDGING ARE TO THE P.C.'S OR P.T.'S, UNLESS OTHERWISE NOTED.
- ALL EXISTING MUNICIPAL CASTINGS, WHICH ARE TO REMAIN, IN AREAS TO BE REPAVED, SHALL BE ADJUSTED TO LINE AND GRADE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, CATV AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
- PRIOR TO THE INSTALLATION OF PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE TEST PITS AT LOCATIONS OF UTILITY CROSSINGS TO VERIFY DEPTHS OF EXISTING PIPES, CONDUITS OR OTHER FACILITIES, AS REQUIRED BY ENGINEER.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- THE CONTRACTOR SHALL SAWCUT TO THE FULL PAVEMENT DEPTH AT LOCATIONS WHERE NEW FULL DEPTH PAVEMENT OR NEW SIDEWALK MEETS EXIST. PAVEMENT OR SIDEWALK, AT THE LOCATIONS SHOWN ON THE PLANS AND AS REQUIRED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL OUTLET GRADES OF DRAINAGE STRUCTURES PRIOR TO CONSTRUCTING THE DRAINAGE IMPROVEMENTS.
- ALL AREAS OUTSIDE OF THE LIMIT OF WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- EXISTING CURB OR EDGING DEEMED SUITABLE FOR RE-USE BY THE ENGINEER SHALL NOT BE RANDOMLY MIXED WITH NEW CURB, BUT SHALL BE RESET AS TO GIVE A UNIFORM APPEARANCE.
- ALL PROPOSED WHEELCHAIR RAMP ARE TO BE CEMENT CONCRETE AND SHALL CONFORM TO LATEST AAB AND ADA WHEELCHAIR RAMP STANDARDS.
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83).
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD1988).
- ALL PROPOSED GRANITE CURB SHALL BE TYPE VB, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL RESTORE THE EXISTING SURFACE PAVEMENTS AND TURF DISTURBED BY THE PROPOSED WORK AND SHALL PATCH ALL HOLES RESULTING FROM THE REMOVAL OF FOUNDATIONS WITH MATERIALS SIMILAR TO EXISTING MATERIALS.
- A MINIMUM 36" (EXCLUDING CURB) PATH OF TRAVEL SHALL BE MAINTAINED FROM ALL OBSTRUCTIONS (EXISTING, RELOCATED, AND PROPOSED) ON SIDEWALK INCLUDING, BUT NOT LIMITED TO, UTILITY POLES, HYDRANTS, SIGNS, SIGNALS, TREES AND MAILBOXES. IF THERE IS A CONFLICT, THE INFORMATION SHALL BE FURNISHED TO THE ENGINEER FOR RESOLUTION PRIOR TO SIDEWALK RECONSTRUCTION.
- EXISTING TREES WITHIN THE LIMIT OF WORK (RET. AND PROT.) SHALL BE PROTECTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- EXIST. GRANITE CURB SHOWN AS "R&S" ON THE PLANS OR AS REQUIRED BY THE ENGINEER SHALL BE REMOVED AND STACKED AT THE CITY OF NEW BEDFORD STORAGE FACILITY LOCATED AT 1105 SHAWMUT AVENUE.
- PROP. GRAN. TRANSITION CURB TO MEET EXISTING AT LIMITS OF WORK.