LEGEND:

- EXISTING CONTOUR
- N/F NOW OR FORMERLY
- UP UTILITY POLE
- BORDERING VEGETATED WETLAND
- 100' BUFFER ZONE
- OHW APPROX. EXISTING OVERHEAD WIRES
- W APPROX. EXISTING WATER MAIN
- G APPROX. EXISTING GAS SERVICE
- EXISTING TREELINE
- PROPOSED TREELINE
- 219 PROPOSED CONTOUR
- 201.07 PROPOSED SPOT GRADE
- DMH DRAIN MANHOLE
- CB CATCH BASIN
- SMH SEWER MANHOLE
- UECT PROPOSED UNDERGROUND UTILS
- G PROPOSED GAS LINE
- W PROPOSED WATER LINE
- FE FLARED END
- DI DROP INLET
- ID INLINE DRAIN
- TD TRENCH DRAIN

N/F PHILBRICK

N/F BERLIED

N/F CHIAO

58.03' N77°13'04"W 109.15' N77°13'04"W 166.00' N77°13'04"W 334.07' N77°44'48"W

N09°44'33"E 163.10'

EDGE OF PAVEMENT (TYPICAL)

CONCRETE PAD

PROPOSED FENCE

EXISTING DIV. MH. TC=212.35 INV IN=210.65 INV OUT=209.65 (EXIST BASIN) INV OUT = 209.65 PROP. INV OUT=209.65 (PROP BASIN)

LOT B 31,445 ±S.F. (CALC.) 31815 ±S.F. (REC.)

RELOCATED BARN 220.00

PROPOSED TRASH GARAGE TOW=220.9 TOW=220.0

PROPOSED TOW=221.0

RETAINING WALL

28 SPACES (PER OLD SITE PLAN)

12" SDR INV=215.13

CATCH BASIN 1 RIM=220.05 PVC INV=216.27 PVC INV=215.58 12"RCP INV=216.48 TOP PVC=216.55 TOP PVC=216.79

PROPOSED SEWAGE DISPOSAL SYSTEM (SEE SEWAGE DISPOSAL PLAN)

DTH 3-89 54.76' DTH 1-89 S78°39'37"W

APPROX. LOCATION OF EXISTING LEACHING GALLEYS

RAILROAD TIE RETAINING WALL

76.75' N77°05'20"W

N10°48'32"E

PAVEMENT (TYPICAL)

RAMP

CONCRETE WALK

SMH

CO

PROP. 5' CONC. SIDEWALK

URCH LOT ,312 ±S.F. .2367 ±AC.

2 STORY W/F OFFICE #543 - 545

APPROX. LOCATION OF EXISTING 1500 GALLON SEPTIC TANK (H20)

APPROX. LOCATION OF EXISTING LEACHING GALLEYS

APPROX. LOCATION OF EXISTING 2000 GALLON SEPTIC TANK (H20)

CONCRETE RETAINING WALL

2 STORY W/F COMMERCIAL BLDG #541

WOOD DECK

SHRUBS

CONCRETE WALK 77.00'

78.23'

133.39'

265.12' S76°32'41"E

OHW

MASSACHUSETTS AVENUE

(1890 COUNTY LAYOUT - 60' WIDE)

SAWCUT PAVEMENT

PROP. VERTICAL GRANITE CURB

START OF 1907 STATE HIGHWAY LAYOUT (TO BE MOVED TO STA 54+00)

HYDRANT (TO BE RELOCATED)

BITUMINOUS WALK (TBR)

RELOCATED HYDRANT

3432.38' ALONG SIDELINE OF MASS. AVE. TO STONE BOUND

N13°35'30"E 30.00' 30.00'

EDGE OF PAVEMENT (TYPICAL)

PROPOSED CROSSWALK W/STAMPED PATTERN

48+00 49+00

STONE BOUND 63.93'

STONE STEPS

TBM NAIL IN UP ELEV.=228.74

N/F FLANNERY

N/F MAXWELL

APPROX. LOCATION RES. BUILDING #536

N/F HENSLEIGH

BIORETENTION AREA (REPLACES EXISTING BASIN) (UNDER CONSTRUCTION)

RIP RAP PAD (UNDER CONSTRUCTION)

EDGE OF BORDERING VEGETATED WETLANDS (DELINEATED BY B&C ASSOCIATES)

MATCH LINE

EXISTING BASIN

BASIN 211.02 RCP INV.=207.97

12" RCP INV.=207.69

12" RCP INV.=208.23

CATCH BASIN RIM=211.02 12" RCP INV.=208.02

12" RCP INV.=207.88

FE-3 INV=209.50

PROPOSED RIPRAP PAD

CONCRETE RETAINING WALL UNDER CONSTRUCTION

FE-2 INV=207.0

24" N-12 ADS L=30', S=0.030 EMERGENCY SPILLWAY (UNDER CONSTRUCTION)

TOP OF BERM ELEV=212.0

OUTLET CONTROL STRUCTURE (SEE DETAIL) (UNDER CONSTRUCTION)

BOTTOM ELEV =208.00

FE-1 INV=208.0

RIPRAP APRON

INFILTRATION BASIN BOTTOM=208.00 (UNDER CONSTRUCTION)

EXISTING TREELINE

100' BUFFER ZONE

STORMCEPTOR STC 900 RIM=215.20 INV'S IN(DMH-3&TD-2)=208.45 INV OUT=208.20 (UNDER CONSTRUCTION)

18" ADS L=40', S=0.005

12" ADS L=28', S=0.088

TD-1 RIM=214.60 INV=212.10

CB-4 RIM=214.30 INV=211.80

12" ADS L=2', S=0.050

12" ADS L=46', S=0.108

TD-2 RIM=215.90 INV=213.40

18" ADS L=69', S=0.005

PROPOSED BITUMINOUS CONCRETE PAVEMENT

PROP. 5' CONC. SIDEWALK

STONE RETAINING WALL

12" ADS L=46', S=0.005

DMH-3 RIM=214.35 INV IN(DMH-4)=208.88 INV IN(TD-1)=209.64 INV IN(CB-4)=211.61 INV OUT=208.78 (UNDER CONSTRUCTION)

DMH-4 RIM=219.50 INV=209.13 12" ADS L=50', S=0.005

#537 EXISTING BUILDING PROP. FF=229.7± TF=228.87 PROP. BF=219.9±

RELOCATED WING STONE RETAINING WALL (TBR)

RELOCATED BUILDING

#531

PROPOSED TRANSFORMER

PROPOSED ELECTRIC

TC=216.80 FC=216.30

PROPOSED FIRE PROTECTION - PROPOSED STORZ CONNECTION (PROPOSED WALL MOUNTED INDICATOR VALVE)

PROPOSED DOMESTIC SERVICE

CUT, CAP & REMOVE SERVICE

#525

12" ADS L=140', S=0.005

2" ADS L=29', S=0.005

GRAVEL DRIVE (TBR)

BITUMINOUS DRIVE (TBR)

CONCRETE WALK (TBR)

CONCRETE WALK 166.65'

BITUMINOUS WALK (TBR)

EXISTING 6" WATER MAIN

UPGRADE GAS SERVICE

CB-3 RIM=225.06 INV IN=221.41 INV OUT=221.31

CATCH BASIN: RIM=224.74± INV=220.24± (12" RCP IN) INV=220.14± (12" RCP OUT)

CATCH BASIN: RIM=225.06± INV=221.31± (12" RCP)

12" ADS L=23', S=0.005 REMOVE 12" RCP

12" W THERMAL PLASTIC WHITE

LEVEL LANDING 1:12

CB-2 RIM=224.74 INV=221.53 (PROP.) SEAL UNUSED HOLES

PROP. TRANSITION CURB

PROP. VERTICAL GRANITE CURB

BENCH

DRINKING FOUNTAIN

CUT AND CAP 12" RCP DRAIN

PAVED AREA (TBR)

UP #2

UP #1

PLAY AREA

WOODEN GUARD RAIL (TBR)

N/F TOWN OF ACTON

DMH-2 RIM=223.80 INV IN(DMH-1)=209.46 INV IN(CB-3)=221.16 INV OUT=209.36

CB-1 RIM=216.42 INV=211.82 SEAL UNUSED HOLE

APPROX. LOCATION RES. BUILDING #520-526

N/F RAYNER

N/F LIPMAN

N/F SLATTERY

N/F DOLA...

997.22'

996.64'

N76°24'34"W 996.05'

ROUTE 111 - MASSACHUSETTS AVENUE

(1907 STATE HIGHWAY LAYOUT - 60' WIDE)

1907 STATE HIGHWAY LAYOUT

200 FOOT RIVERFRONT AREA

TREELINE

AREA TO BE ALLOWED TO NATURALIZE

PROPOSED STONE RETAINING WALL

F.I.R.M. 100 YR. FLOOD ELEVATION 203.3'

PROPOSED SEWAGE DISPOSAL SYSTEM (SEE SEWAGE DISPOSAL PLAN)

SHED (TBR)

TOP OF BERM ELEV=213.0

DI-1 RIM=212.25 INV=210.68

PROPOSED EMERGENCY SPILLWAY

PROPOSED RAIN GARDEN

PROPOSED BREAKOUT PROTECTION BARRIER TOP=213.50

DMH-1 RIM=216.70 INV IN(ID-1)=210.26 INV IN(CB-1)=211.76 INV OUT=210.16

12" ADS L=51', S=0.005

ID-1 RIM=213.50 INV=210.53

12" ADS L=31', S=0.005

RIP RAP CHECK DAM

BIT. DRIVE (TBR)

RELOCATED HYDRANT

PROP. 6" BIT CONC. SIDEWALK

12" ADS L=12', S=0.005

CATCH BASIN: RIM=216.42± INV=211.82±(12"RCP)

CATCH BASIN: RIM=216.14± INV=211.14± (12" RCP IN & OUT)

PROPOSED BREAKOUT PROTECTION BARRIER TOP=213.50

PROPOSED 13' BERM OPENING

SIGN - "SPEED LIMIT 40"

CUT AND CAP 12" RCP DRAIN

BITUMINOUS WALK

TBM NAIL IN UP ELEV.=216.53

525-541 MASSACHUSETTS AVE
SITE PLAN
ACTON, MASSACHUSETTS

GRADING, DRAINAGE & UTILITIES PLAN
FOR: ROSENFELD
SCALE: 1"=20' JULY 31, 2009

STAMSKI AND MCNARY, INC.
80 HARRIS STREET ACTON, MASSACHUSETTS
(978) 263-8585
ENGINEERING - PLANNING - SURVEYING
0 10 20 40 60 80 FT

(3320SP-WAV-C.DWG) SHEET 4 OF 8 SM-3320

COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL #40472 REGISTERED PROFESSIONAL ENGINEER

COMMONWEALTH OF MASSACHUSETTS WILLIAM F. McNARY No. 30753 PROFESSIONAL LAND SURVEYOR