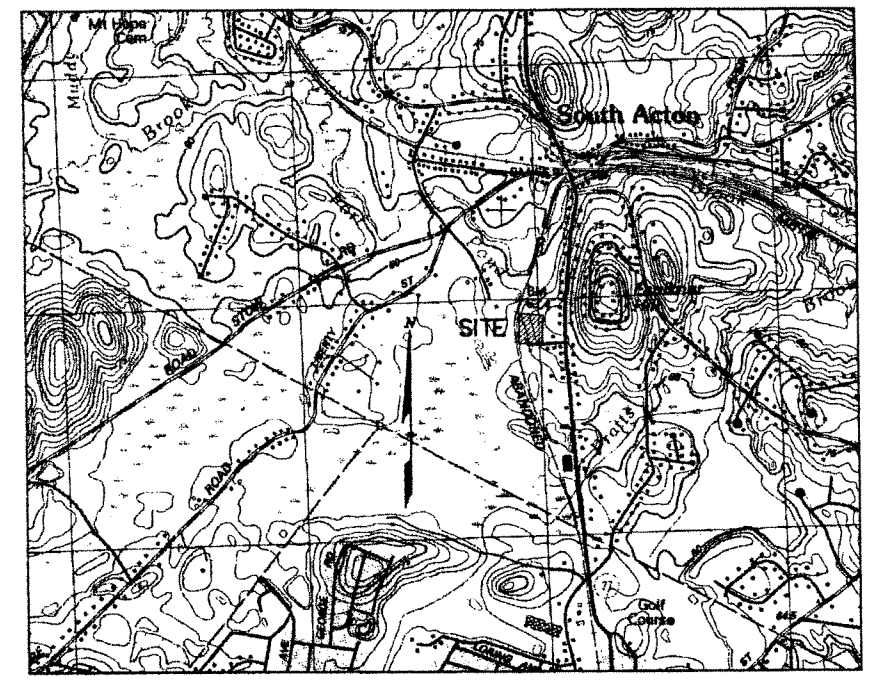
RECEIVED
NOV 29 2005
TOWN OF ACTON
PLANNING BOARD

DEFINITIVE SUBDIVISION PLAN
FOR
COLONIAL PATH
A RESIDENTIAL COMPOUND
ACTON, MASSACHUSETTS
NOVEMBER 7, 2005

LOCUS PLAN
SCALE: 1"=200'

PLAN INDEX

SHEET 1	TITLE SHEET
SHEET 2	RECORD PLAN
SHEET 3	SITE DEVELOPMENT AND GRADING PLAN
SHEET 4	LAYOUT AND UTILITIES PLAN PLAN AND PROFILE
SHEET 5	CONSTRUCTION DETAILS PLAN
SHEET 6	EROSION & SEDIMENTATION CONTROL PLAN



LOCUS MAP
SCALE: 1"=1200'

RECORD OWNERS:

SYLVIA FLETCHER, LLC
12 ASSABET CROSSING
ACTON, MA 01720

DAVID CASTELLINE
135 UPLAND ROAD
CONCORD, MA

PAUL CASTELLINE
4 MILLWOOD CIRCLE
FRAMINGHAM, MA

ZONING DISTRICT:

R-2 (RESIDENCE 2)
GROUNDWATER PROTECTION DISTRICT ZONE 4
AFFORDABLE HOUSING OVERLAY SUB-DISTRICT B

REFERENCE:

MIDDLESEX REGISTRY OF DEEDS
SOUTH DISTRICT
DEED BOOK 42692, PAGE 243
DEED BOOK 45128 PAGE 48
TOWN ATLAS MAP H38 PARCELS 68 & 69

APPLICANT:

SYLVIA FLETCHER, LLC
12 ASSABET CROSSING
ACTON, MA 01720

ENGINEER/SURVEYOR

STAMSKI AND MCNARY, INC.
80 HARRIS STREET
ACTON, MASSACHUSETTS 01720
(978) 263-8585

JOSEPH MARCH CIVIL 40422

WILLIAM F. McNARY No. 30753

ACTON PLANNING BOARD

APPROVAL DATE:

ENDORSEMENT DATE:

I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

28 NOV 05
DATE

REGISTERED PROFESSIONAL LAND SURVEYOR

I, CLERK OF THE TOWN OF ACTON, MASSACHUSETTS HEREBY CERTIFY THE NOTICE OF APPROVAL OF THIS PLAN BY THE ACTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

DATE

TOWN CLERK

APPROVED BY:
TOWN OF ACTON
PLANNING BOARD

_____

_____

DATE

RECORD OWNER:

SYLVIA FLETCHER, LLC
12 ASSABET CROSSING
ACTON, MASSACHUSETS

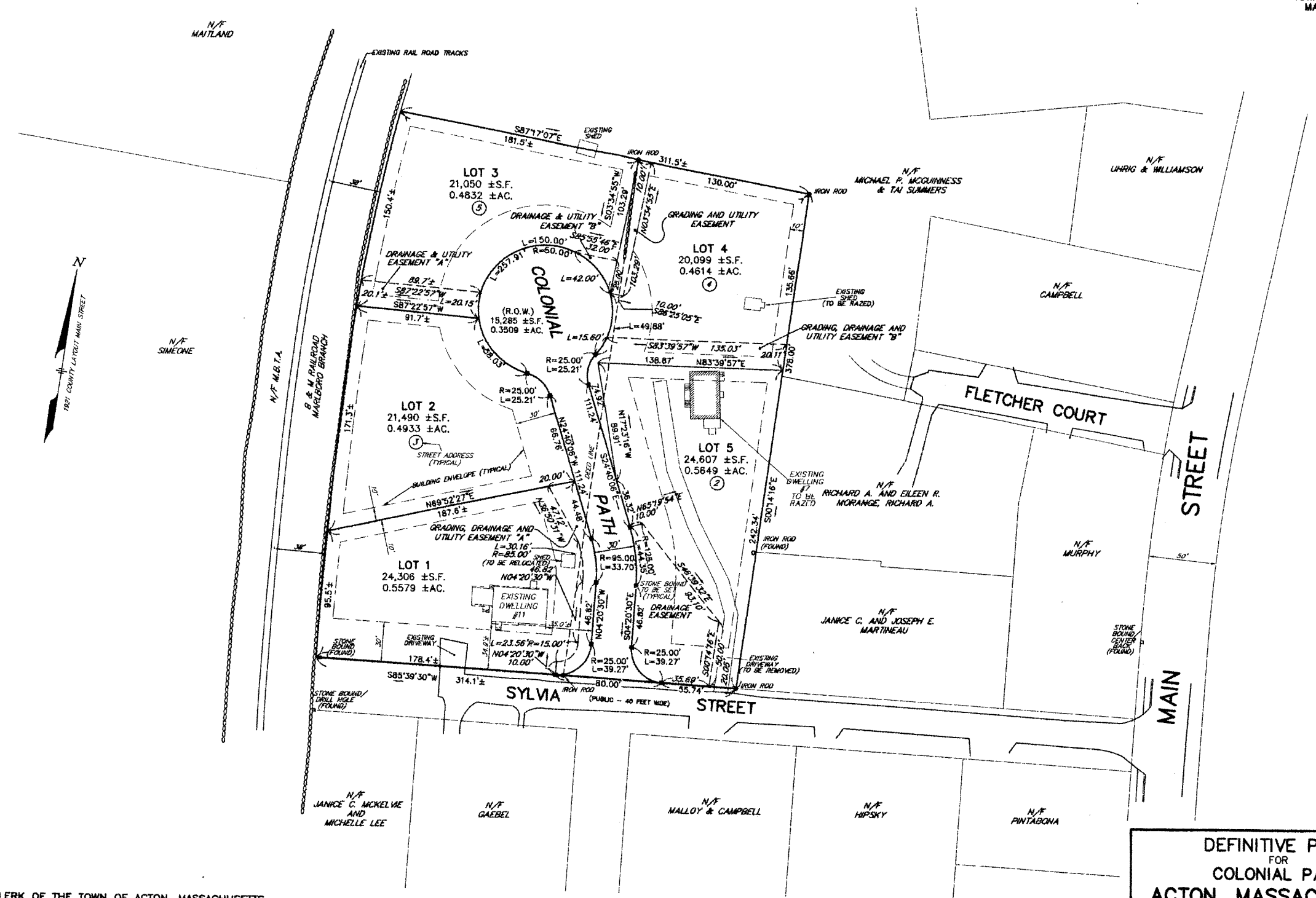
DOMINIC CASTELLINE AND
ALICE A. CASTELLINE
11 SYLVIA STREET
ACTON, MASSACHUSETS

ZONING DISTRICT:

R-2 (RESIDENCE 2)
GROUNDWATER PROTECTION DISTRICT
ZONE 4
AFFORDABLE HOUSING OVERLAY DISTRICT
SUBDISTRICT B

REFERENCE:

MIDDLESEX REGISTRY OF DEEDS
SOUTH DISTRICT
DEED BOOK 42692 PAGE 243
DEED BOOK 26824 PAGE 246
PLAN No. 614 OF 1929
PLAN No. 1490 OF 1971
PLAN No. 258 OF 1974
TOWN ATLAS – ACTON, MASSACHUSETTS
MAP H38 PARCELS 68 & 69



I, CLERK OF THE TOWN OF ACTON, MASSACHUSETTS HEREBY CERTIFY THE NOTICE OF THE APPROVAL OF THIS PLAN BY THE ACTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

_____
DATE

_____
TOWN CLERK

I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

28 NOV 05
DATE

_____
REGISTERED PROFESSIONAL LAND SURVEYOR

DEFINITIVE PLAN
FOR
COLONIAL PATH
ACTON, MASSACHUSETTS

RECORD PLAN

FOR: SYLVIA FLETCHER, LLC

SCALE: 1"=40' NOVEMBER 7, 2005

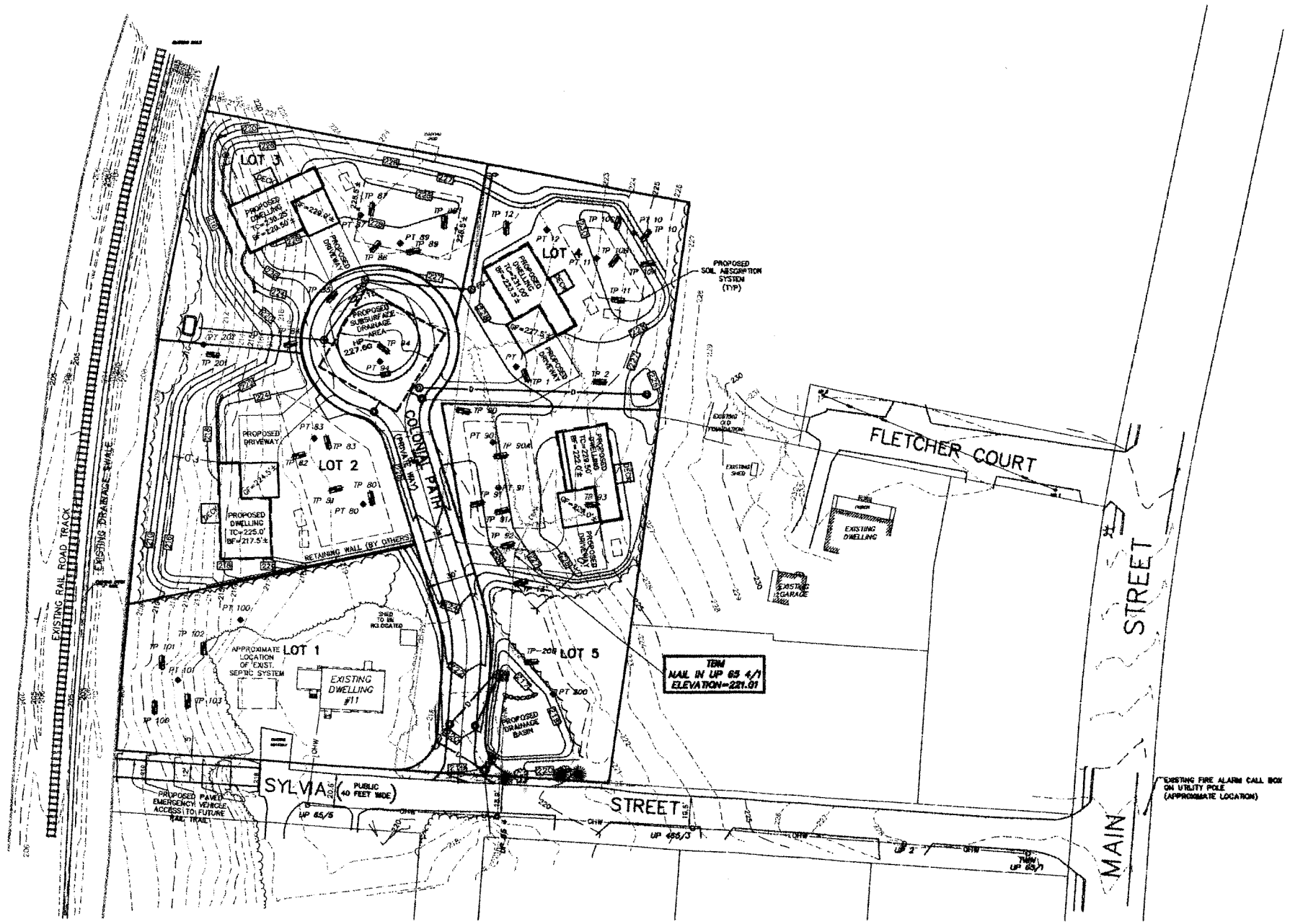
STAMSKI AND MCNARY, INC.
80 HARRIS STREET ACTON, MASS.
ENGINEERING – PLANNING – SURVEYING

0 20 40 80 160

SM-3276A (3276A RECORD.dwg) SHEET 2 OF 6

COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL No. 30770 PROFESSIONAL ENGINEER

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



LEGEND:

PROPOSED

TC=225.0'	PROPOSED TOP OF CONCRETE
BF=217.5'±	PROPOSED BASEMENT FLOOR
GF=224.5'±	PROPOSED GARAGE FLOOR
225.0±0	PROPOSED SPOTGRADE
226	PROPOSED CONTOUR
	PROPOSED CATCH BASIN
	PROPOSED DRAIN MANHOLE
	PROPOSED TREELINE
	PROPOSED RETAINING WALL

EXISTING

N/F	NOW OR FORMERLY
218	EXISTING CONTOUR (INTERMEDIATE)
220	EXISTING CONTOUR (INDEX)
	EXISTING CULVERT
	EXISTING OVERHEAD WIRES
U.P.47/19	EXISTING UTILITY POLE
	EXISTING TREELINE
	EXISTING STONEWALL
	TEST PIT
	PERC TEST

N

ACTON PLANNING BOARD

APPROVAL DATE:

ENDORSEMENT DATE:

I, CLERK OF THE TOWN OF ACTON, MASSACHUSETTS HEREBY CERTIFY THE NOTICE OF APPROVAL OF THIS PLAN BY THE ACTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

DATE

TOWN CLERK

DATUM

ELEVATIONS REFER TO N.G.V.D. OF 1929. BENCHMARK USED: DISC 78C (FEMA FLOOD STUDY REFERENCE MARK 31) MAGS DISK IN CONCRETE MONUMENT AT GRADE ABOUT 1.3 MILES NORTH OF EAST ACTON, ON THE WEST SIDE NYNHWH RAILROAD, 18.6 FEET WEST OF WEST RAIL, 293 FEET NORTH OF THE CENTER OF BROOKS STREET. ELEVATION = 145.52'

DEFINITIVE PLAN
FOR
COLONIAL PATH
IN
ACTON, MA

SITE DEVELOPMENT & GRADING PLAN
FOR: SYLVIA FLETCHER, LLC
SCALE: 1"=40' NOVEMBER 7, 2005

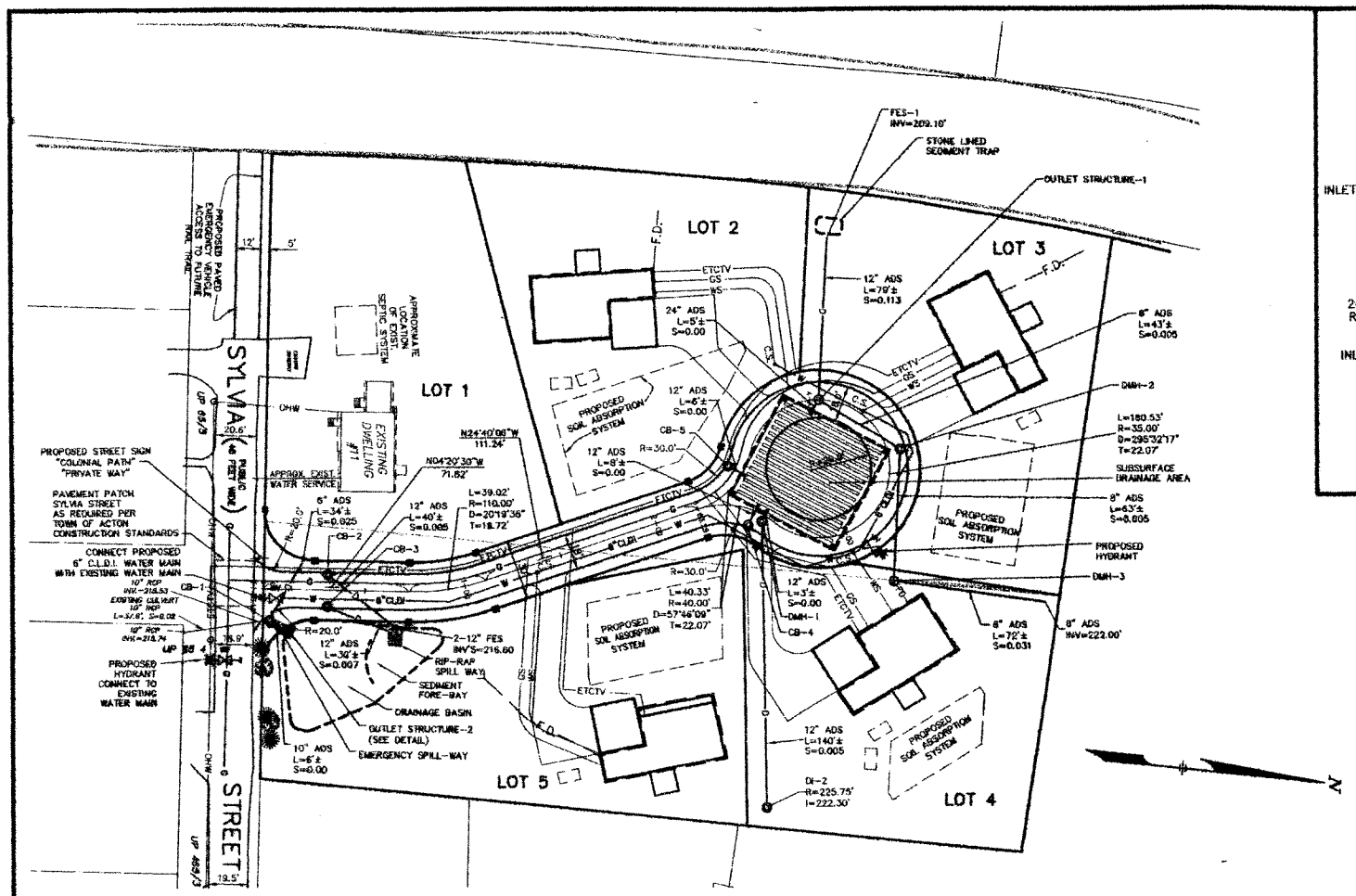
STAMSKI AND McNARY, INC.
80 HARRIS STREET ACTON, MASS.
ENGINEERING – PLANNING – SURVEYING

0 20 40 80 160

SM-3276A (3276A DEFINITIVE.DWG) SHEET 3 OF 6

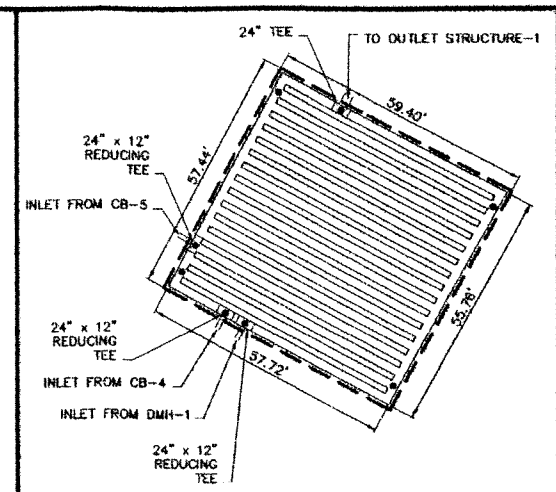
COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL No. 40973 PROFESSIONAL ENGINEER

COMMONWEALTH OF MASSACHUSETTS WILLIAM F. McNARY No. 30763 PROFESSIONAL LAND SURVEYOR

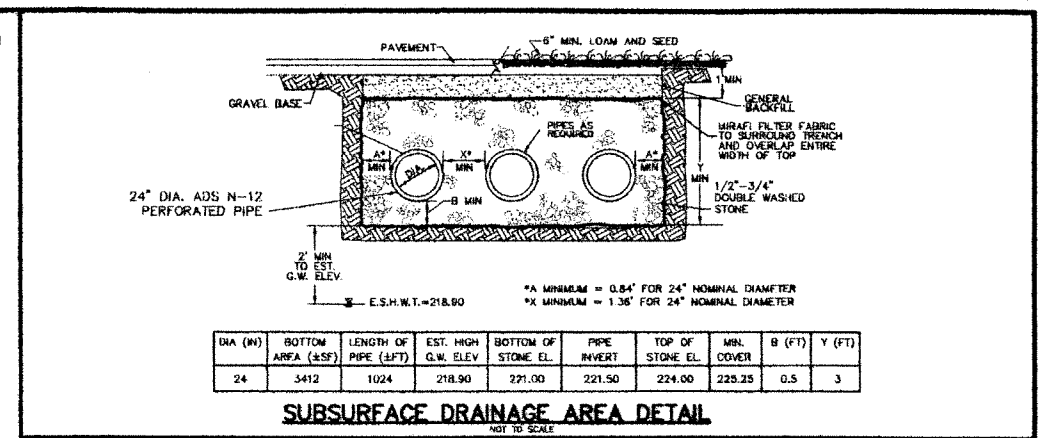


PLAN VIEW – COLONIAL PATH (PRIVATE)

SCALE: 1"=40'



SUBSURFACE DRAINAGE AREA

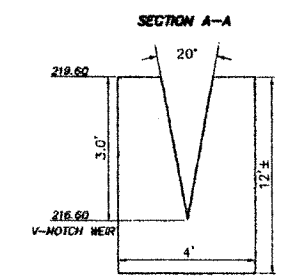


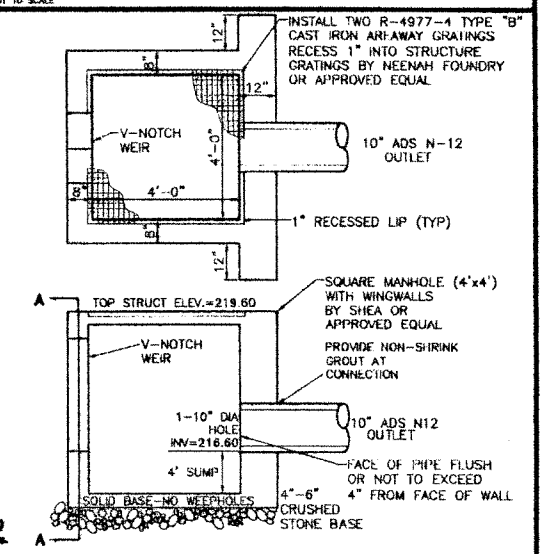
DIA (IN)	BOTTOM AREA (±SF)	LENGTH OF PIPE (±FT)	EST. HIGH G.W. ELEV	BOTTOM OF STONE EL.	PIPE INVERT	TOP OF STONE EL.	MIN. COVER	B (FT)	Y (FT)
24	3412	1024	218.90	221.00	221.50	224.00	225.25	0.5	3

SUBSURFACE DRAINAGE AREA DETAIL

NOT TO SCALE

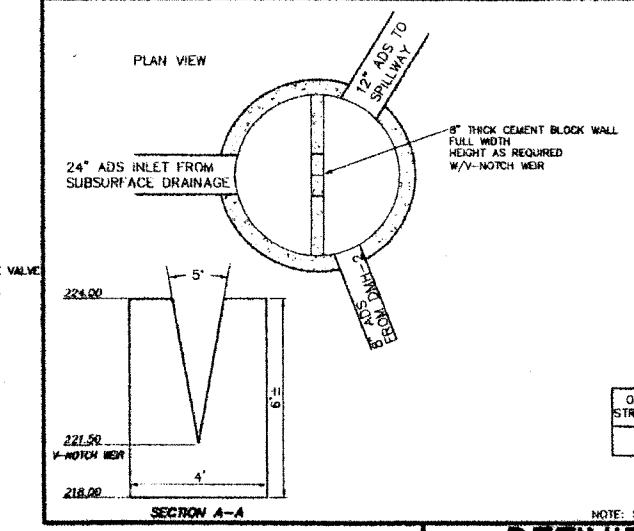
NOTES:
1. 3/4" CHAMFER ON ALL EXPOSED EDGES
2. 3000 PSI CONCRETE
3. REINFORCE ALL WALLS WITH NO.4 BARS AT 12" O.C.E.W.
4. 1-1/2" CLEAR ON ALL REBARS

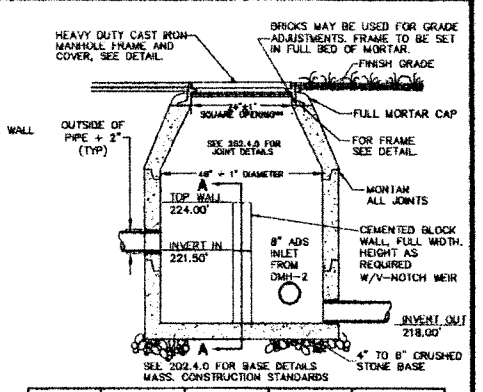




OUTLET STRUCTURE-2

NOT TO SCALE



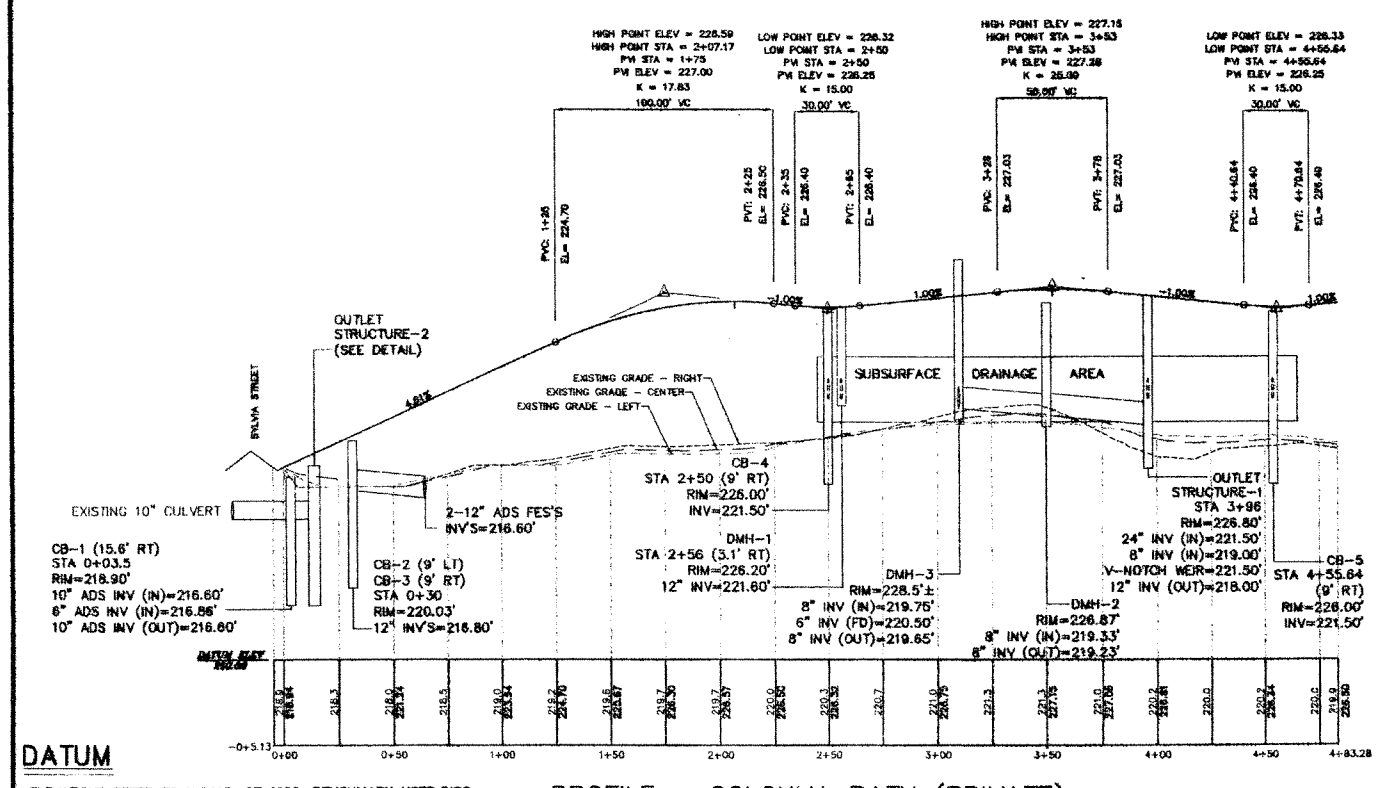


OUTLET STRUCTURE	INVERT IN	INVERT OUT	TOP OF WALL ELEV.	TOP OF RIM ELEVATION ±
1	8"-219.00 24"-221.50	12"-218.00	224.00	226.80

OUTLET STRUCTURE-1

NOT TO SCALE

NOTE: SEE PRECAST CONCRETE MANHOLE DETAIL FOR MANHOLE SPECIFICATIONS.



DATUM

ELEVATIONS REFER TO N.G.V.D. OF 1929. BENCHMARK USED: DISC 79C (FEMA FLOOD STUDY REFERENCE MARK 31) MAGS DISK IN CONCRETE MONUMENT AT GRADE ABOUT 1.3 MILES NORTH OF EAST ACTON, ON THE WEST SIDE NYNHH&H RAILROAD, 18.6 FEET WEST OF WEST RAIL, 283 FEET NORTH OF THE CENTER OF BROOKS STREET. ELEVATION = 145.52'

PROFILE – COLONIAL PATH (PRIVATE)

SCALE: 1"=4' VERTICAL

SCALE: 1"=40' HORIZONTAL

LEGEND:

PROPOSED

CB-1	PROPOSED CATCH BASIN
DMH-1	PROPOSED DRAIN MANHOLE
DI-1	PROPOSED DROP INLET
D	PROPOSED DRAIN PIPE
W 6"CLDI	PROPOSED WATER MAIN WITH HYDRANT AND GATE VALVE
WS CS	PROPOSED WATER SERVICE W/CORPORATION STOP
E.T.CTV	PROPOSED ELECTRIC, TELEPHONE, & CABLE T.V.
G	PROPOSED GAS MAIN
GS	PROPOSED GAS SERVICE
■	STONE BOUND TO BE SET

EXISTING

D	EXISTING CULVERT
OHW	EXISTING OVERHEAD WIRES
U.P.47/19	EXISTING UTILITY POLE
G	EXISTING GAS MAIN
	EXISTING STONEWALL

I, CLERK OF THE TOWN OF ACTON, MASSACHUSETTS HEREBY CERTIFY THE NOTICE OF APPROVAL OF THIS PLAN BY THE ACTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

DATE

TOWN CLERK

ACTON PLANNING BOARD

APPROVAL DATE:

ENDORSEMENT DATE:

DEFINITIVE PLAN
FOR
COLONIAL PATH
IN
ACTON, MA

COLONIAL PATH
PLAN AND PROFILE

FOR: SYLVIA FLETCHER, LLC
SCALE: 1"=40' NOVEMBER 7, 2005

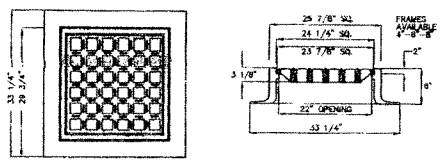
STAMSKI AND McNARY, INC.
80 HARRIS STREET ACTON, MASS.
ENGINEERING – PLANNING – SURVEYING

0 20 40 80 160

SM-3276A (3276A DEFINITIVE.DWG) SHEET 4 OF 6

COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL #40475 REGISTERED PROFESSIONAL ENGINEER

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

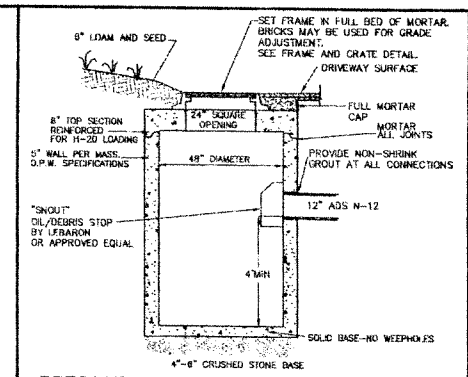


FULLY MACHINED AND INTERCHANGABLE FRAMES AND COVERS.
HIGH QUALITY MATERIALS AND WORKMANSHIP.
NO ROCK COVERS.
H-20 LOADING RATE
WEIGHT OF GRATE 215 LBS.
GRATE – 1 (EA) TYPE F GRATE
FRAME – LF248-2 (4 FRANGE)
BY LEBARON OR APPROVED EQUAL

CATCH BASIN FRAME AND GRATE DETAIL

NOT TO SCALE

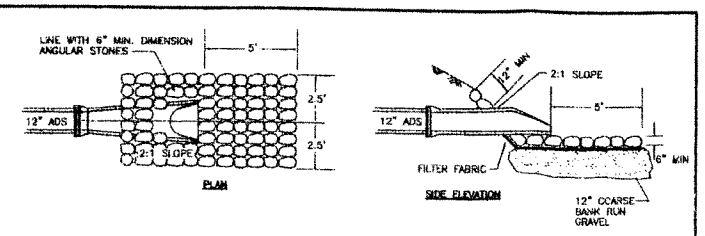
NOTES
1. FRAME AND GRATE TO CONFORM TO MASS HIGHWAY CONSTRUCTION STANDARDS (SEE DETAIL 201.6.0)



PRECAST FLAT TOP CATCH BASIN DETAIL

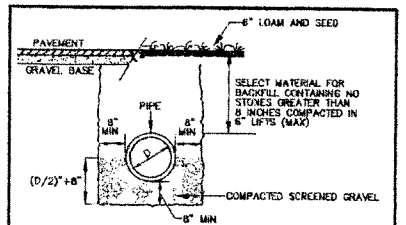
NOT TO SCALE

NOTE:
1. CONSTRUCTION JOINTS AND GAS TRAPS TO BE SEALED WITH A ONE-INCH BUTYL-RUBBER GAS TYPE SEALANT.



FLARED END DETAIL

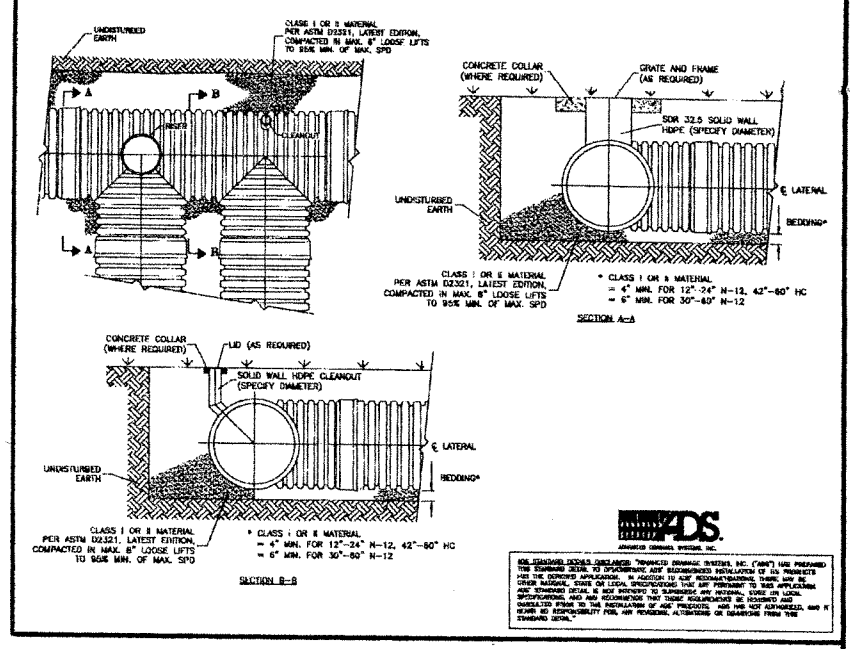
NOT TO SCALE



TYPICAL TRENCH DETAIL

NOT TO SCALE

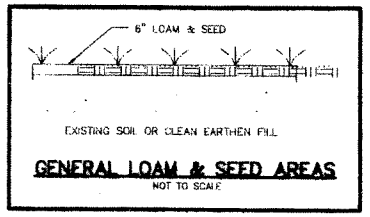
TYPICAL RISER AND CLEANOUT DETAILS



ADS

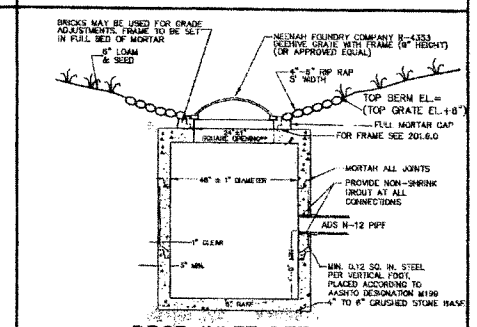
ADVANCED DRAINAGE SYSTEMS, INC.

ADS STANDARD DETAILS DISCLAIMER: TRIANGLE DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THE STANDARD DETAIL OF EXCAVATION AND/OR RECOMMENDED INSTALLATION OF ADS PRODUCTS FOR THE DEPICTED APPLICATION. IN ADDITION TO THE STANDARD DETAIL, ADS HAS ALSO PREPARED OTHER MATERIAL, SUCH AS LOCAL SPECIFICATIONS THAT ARE PERTINENT TO THIS APPLICATION. THE STANDARD DETAIL IS NOT INTENDED TO SUPERSEDE ANY MATERIAL, SUCH AS LOCAL SPECIFICATIONS, THAT HAS BEEN ESTABLISHED THAT THESE REQUIREMENTS BE REVIEWED AND ENFORCED WHEN THE INSTALLATION OF ADS PRODUCTS, ARE THE NOT AUTHORIZED, AND IT SHALL BE RESPONSIBILITY FULL AND PERSONAL, ALTERATIONS OR DEVIATIONS FROM THE STANDARD DETAIL.



GENERAL LOAM & SEED AREAS

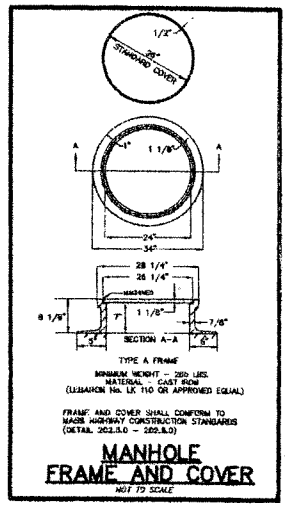
NOT TO SCALE



DROP INLET DETAIL

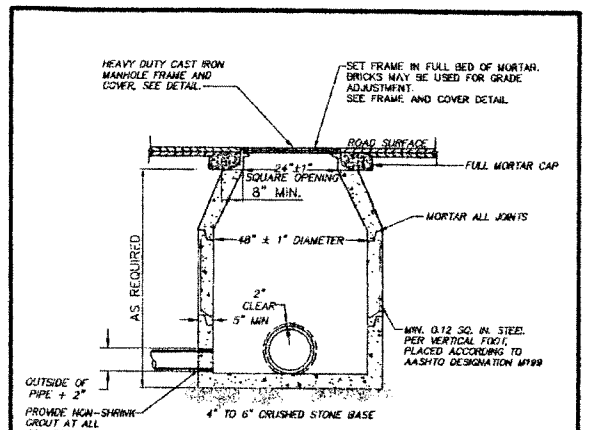
NOT TO SCALE

1. INLET TO CONFORM TO MASS HIGHWAY CONSTRUCTION STANDARDS (SEE DETAIL 201.4.0)
2. FACE OF PIPE FLUSH OR NOT TO PROJECT MORE THAN 4" FROM FACE OF WALL ALONG CENTERLINE OF PIPE.



MANHOLE FRAME AND COVER

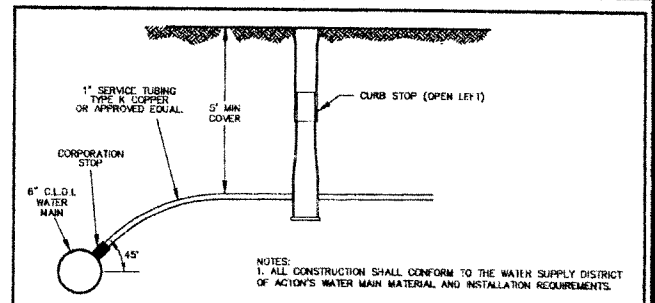
NOT TO SCALE



PRECAST CONCRETE MANHOLE DETAIL

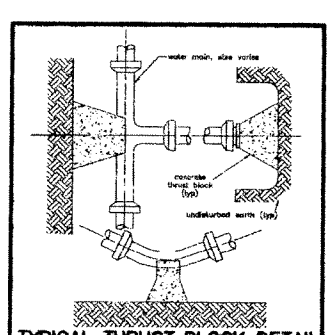
NOT TO SCALE

NOTES
1. MANHOLE TO CONFORM TO MASS HIGHWAY CONSTRUCTION STANDARDS (SEE DETAIL 202.4.0)
2. FACE OF PIPE FLUSH OR NOT TO PROJECT MORE THAN 4" FROM FACE OF WALL ALONG CENTERLINE OF PIPE.



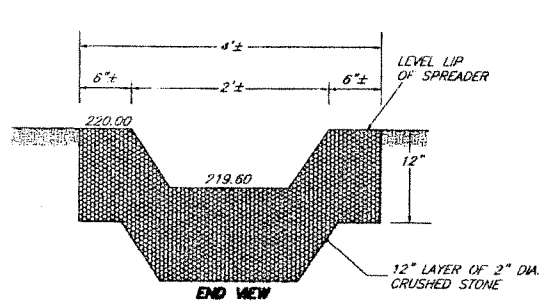
WATER SERVICE CONNECTION

NOT TO SCALE



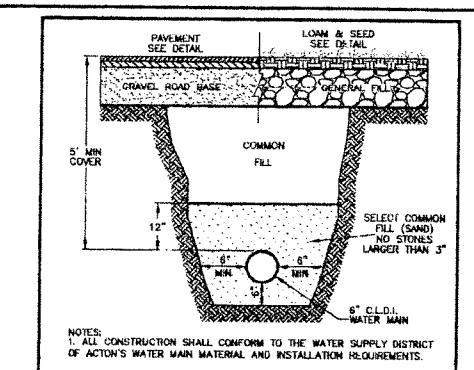
TYPICAL THRUST BLOCK DETAIL

NOT TO SCALE



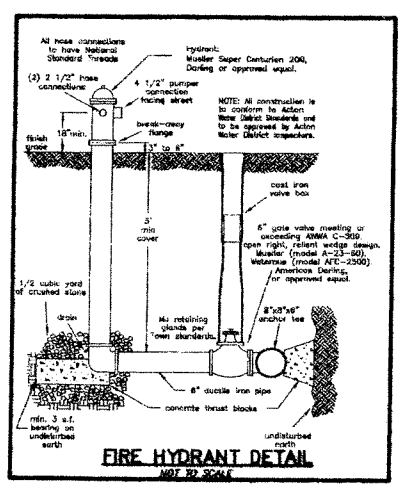
EMERGENCY OUTLET DETAIL

N.T.S.



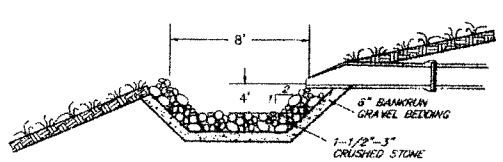
WATER MAIN TRENCH DETAIL

NOT TO SCALE



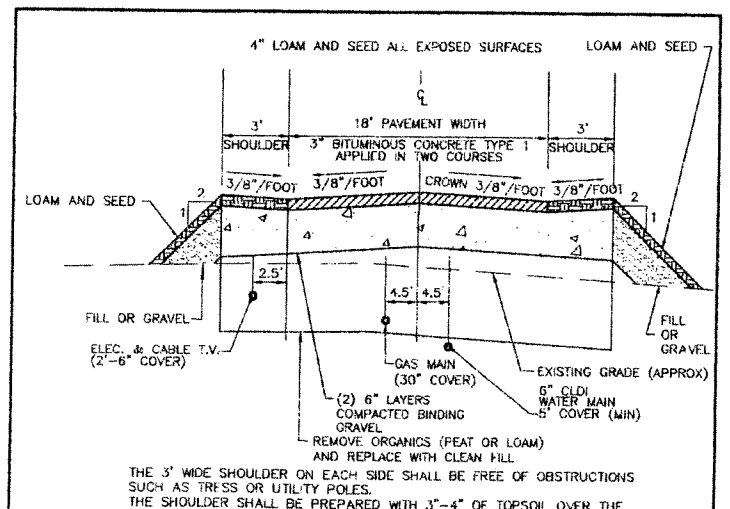
FIRE HYDRANT DETAIL

NOT TO SCALE



STONE-LINED SEDIMENT TRAP

NOT TO SCALE



THE 3' WIDE SHOULDER ON EACH SIDE SHALL BE FREE OF OBSTRUCTIONS SUCH AS TRESS OR UTILITY POLES.
THE SHOULDER SHALL BE PREPARED WITH 3"-4" OF TOPSOIL OVER THE SAME GRAVEL BASE AS THE WEAR SURFACE, AND SEEDED.
THE SHOULDER, AND ALL EXPOSED AREAS SHALL BE LOAMED AND SEEDED.

COLONIAL PATH CROSS-SECTION

N.T.S.

DEFINITIVE PLAN
FOR
COLONIAL PATH
IN
ACTON, MA

CONSTRUCTION DETAILS

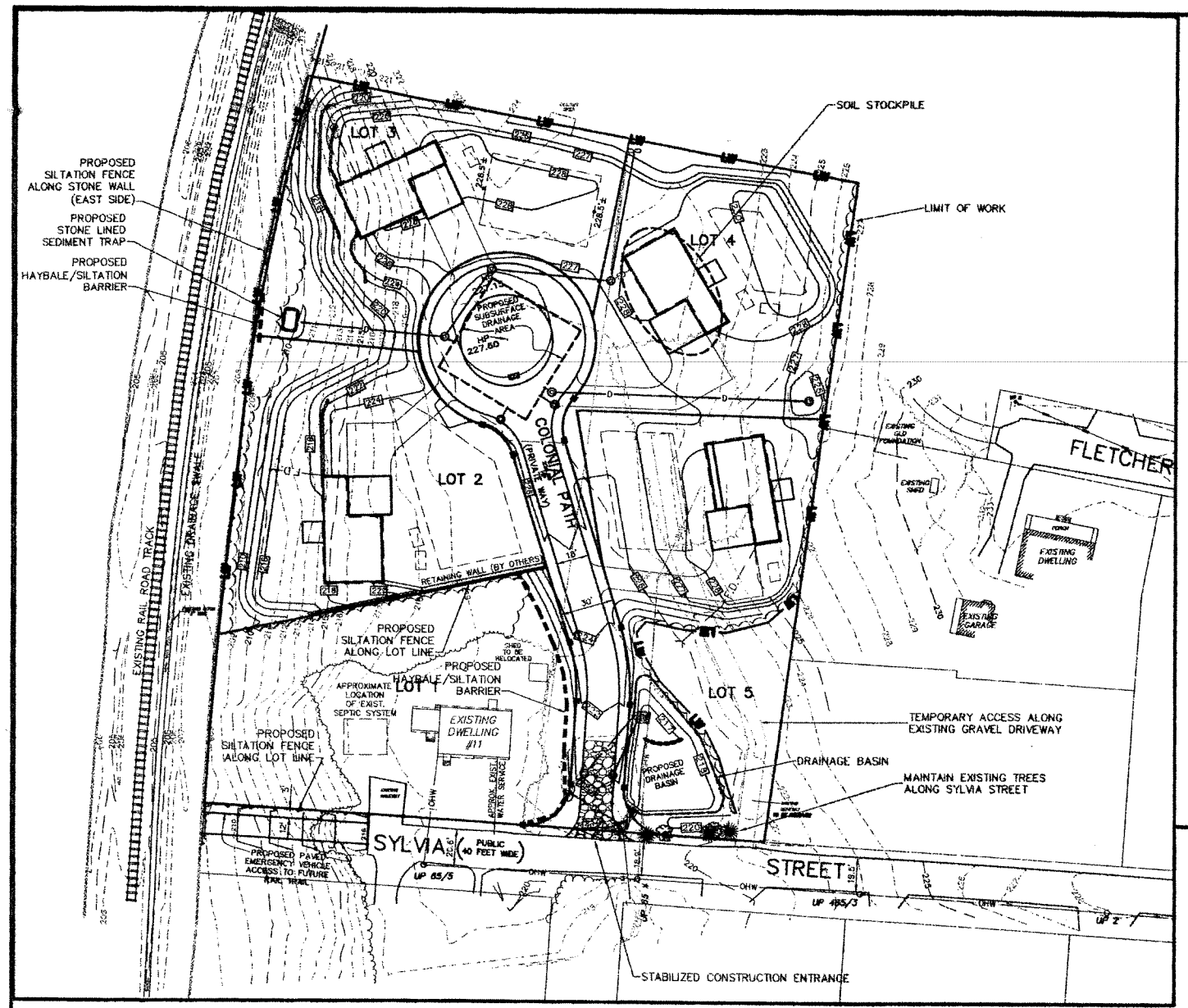
FOR: SYLVIA FLETCHER, LLC

NOVEMBER 7, 2005

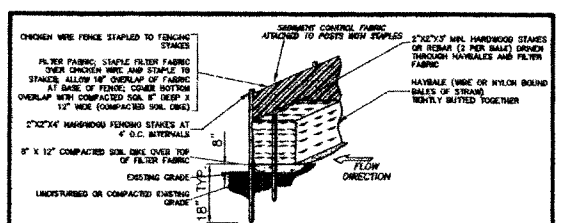
STAMSKI AND McNARY, INC.
80 HARRIS STREET ACTON, MASS.
ENGINEERING – PLANNING – SURVEYING

COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL 040422 REGISTERED PROFESSIONAL ENGINEER

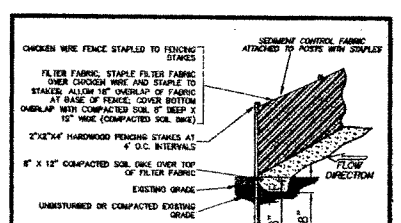
COMMONWEALTH OF MASSACHUSETTS WILLIAM F. McNARY No. 30753 REGISTERED PROFESSIONAL LAND SURVEYOR



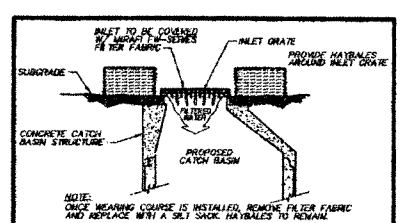
EROSION AND SEDIMENTATION CONTROL PLAN



HAYBALE/SILTATION BARRIER DETAIL
N.T.S.



SILTATION FENCE DETAIL
N.T.S.



INLET PROTECTION DETAIL
NOT TO SCALE

GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGE INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG-SAFE TELE. NO. (888) 344-7233.
2. RIP RAP SHALL BE HARD DURABLE STONE, ANGULAR IN SHAPE AND BE GENERALLY WELL GRADED WITHIN A 25 LB. TO 125 LB. RANGE. RIP RAP SHALL BE PLACED OVER A 1' COARSE BANK RUN GRAVEL MATTE. RIP RAP SHOWN SCHEMATICALLY AT DRAINAGE OUTFLOWS SHALL BE PLACED FOR A 3' WIDTH AND 6' LENGTH.
3. ALL LIMITS OF WORK SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. (SEE EROSION AND SEDIMENTATION CONTROL PLAN)
4. ALL WATER PIPES, HYDRANTS, GATE VALVES AND OTHER APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE ACTON WATER DISTRICT REQUIREMENTS. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON (CLDI) PIPE. ALL HYDRANTS SHALL BE INSTALLED WITH ANCHOR TEES AND VALVES.
5. ALL STUMPS AND OTHER CONSTRUCTION DEBRIS SHALL BE PROPERLY REMOVED FROM THE SITE.
6. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
7. ALL DRAIN PIPES SHALL BE ADS N-12 DRAIN PIPE .
8. TRANSPORTATION OF FILL, EARTH, OR CONSTRUCTION DEBRIS TO OR FROM THE SITE SHALL BE RESTRICTED TO DAYTIME HOURS (9 AM TO 4 PM) MONDAY THROUGH FRIDAY.
9. SEWER PIPES WITHIN 10' OF THE BUILDINGS SHALL BE SCH 40 PVC. (SEE SEWAGE DISPOSAL PLANS FOR LOCATIONS AND SPECIFICATIONS).
10. RETAINING WALLS SHALL BE DESIGNED BY OTHERS.
11. TRAFFIC CONTROL SIGNS SHALL COMPLY WITH STANDARDS IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
12. FINAL BUILDING FOOTPRINT SUBJECT TO BUILDING INSPECTOR REVIEW.
13. CONSTRUCTION VEHICLES SHALL BE PROHIBITED FROM PARKING ON OR ALONG SYLVIA STREET.
14. AN AS-BUILT PLAN, SHOWING ALL PAVEMENT, DRAINAGE AND UTILITIES, SHALL BE REQUIRED AT THE CONCLUSION OF CONSTRUCTION.
15. ELEVATIONS BASED ON N.G.V.D. DATUM: MAIL IN UP 65 4/3 ELEV.=222.01.
16. WATER LINES THAT CROSS SEWER LINES SHALL BE ENCASED IN CONCRETE FOR 10 FEET ON EITHER SIDE OF CROSSING.
17. SUPPLEMENTARY DATA SUBMITTED UNDER THE RULES ARE AN INTEGRAL PART OF THE DEFINITIVE PLAN AND THAT NON-COMPLIANCE WITH THE PLAN PROFILES, UTILITIES, LAYOUTS AND RESTRICTIVE COVENANTS WILL VOID THE APPROVAL STATUS UNLESS, A WAIVER IS SPECIFICALLY APPROVED BY THE BOARD IN WRITING.
18. IF ALTERATIONS (REMOVAL OF VEGETATION, GRADING, EXCAVATIONS, ETC.) ARE TO BE MADE WITHIN 100 FEET OF WETLAND AREAS (PONDS, BROOKS, SWAMPS, ETC.) OR WITHIN RIVERFRONT AREAS, A REQUEST FOR DETERMINATION OF APPLICABILITY OF THE WETLANDS PROTECTION ACT (c131 s40A) SHOULD BE FILED WITH THE TOWN'S CONSERVATION COMMISSION. THE FILING OF A NOTICE OF INTENT MAY BE REQUIRED AND LOCAL BYLAWS MAY APPLY.
19. THERE ARE NO PROPOSED LOCATIONS FOR UNDERGROUND STORAGE TANKS FOR FUELS OR OTHER CHEMICALS.
20. THE DRIVEWAY SHALL BE BROUGHT TO FINISH GRADE WITH AT LEAST THE TOP 12 INCHES CONSISTING OF TWO SIX-INCH LAYERS OF WELL- COMPACTED BINDING GRAVEL THREE FEET WIDER ON EACH SIDE THAN REQUIRED PAVEMENT. (SEE COLONIAL PATH CROSS SECTION)
21. THE COMPLETED GRAVEL SURFACE SHALL BE TREATED FOR THE FULL WIDTH OF THE DRIVEWAY WITH 1 1/2 INCHES OF TYPE I, BITUMINOUS CONCRETE PAVEMENT APPLIED AS A BINDER COURSE. THE BINDER COURSE OF PAVEMENT SHALL BE EXPOSED TO ONE WINTER SEASON (NOV. 15 -- APR. 30) PRIOR TO THE APPLICATION OF THE WEARING COURSE.
22. THE BINDER COURSE SHALL BE TREATED FOR THE FULL WIDTH OF THE DRIVEWAY WITH A WEARING SURFACE OF 1 1/2 INCHES OF TYPE I, BITUMINOUS CONCRETE PAVEMENT APPLIED IN ONE COURSE. PRIOR TO INSTALLATION OF THE WEARING SURFACE ON THE DRIVEWAY, THE BINDER COURSE SHALL BE SWEPT CLEAN, DRIED IF NECESSARY, PATCHED AND TREATED WITH AN ASPHALT EMULSION OR TACK COAT TO ENSURE A SATISFACTORY BOND BETWEEN THE PAVEMENT COURSES. IN ORDER TO MINIMIZE DAMAGE TO THE WEARING SURFACE, THE WEARING COURSE SHOULD NOT BE APPLIED UNTIL ALL CONSTRUCTION ON THE BUILDINGS SERVED BY THE PROPOSED DRIVEWAY IS COMPLETED OR SUBSTANTIALLY COMPLETED.
23. NO PAVING MAY TAKE PLACE AFTER NOVEMBER 15TH OF ANY YEAR.
24. MONUMENTS SHALL BE SET.
25. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A BLASTING PERMIT FROM THE ACTON FIRE DEPARTMENT PRIOR TO THE REMOVAL OF ANY LEDGE WHICH REQUIRES BLASTING IN ACCORDANCE WITH THE MASSACHUSETTS FIRE PREVENTION REGULATIONS AS AMENDED.
26. THE CONTRACTOR SHALL APPLY FOR A PERMIT TO CONSTRUCT WITHIN A PUBLIC WAY FOR ALL WORK WITHIN THE SYLVIA STREET RIGHT OF WAY.
27. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE MASSACHUSETTS HIGHWAY DEPARTMENT CONSTRUCTION STANDARDS.
28. THE 10" DRAIN PIPE UNDER SYLVIA STREET SHALL BE CLEANED AND REPAIRED AS NECESSARY.

DRAINAGE SYSTEM OPERATION AND MAINTENANCE PLAN

THE IMPLEMENTATION, INSPECTION, AND REPAIR OF THE EROSION CONTROLS IS THE RESPONSIBILITY OF THE SITE CONTRACTOR DURING CONSTRUCTION.

THE INSPECTION AND OPERATION OF THE STORM WATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION IS THE RESPONSIBILITY OF:

DURING CONSTRUCTION: SYLVIA FLETCHER, LLC
12 ASSABET CROSSING
ACTON, MA

PARTIES RESPONSIBLE FOR LONG TERM OPERATION/MAINTENANCE:

HOME OWNERS OF LOTS SERVED BY PRIVATE WAY "COLONIAL PATH".
SEE CONDOMINIUM DOCUMENTS FOR FURTHER INFORMATION.

SCHEDULE FOR INSPECTION AND MAINTENANCE:

STREET SWEEPING:
THE PAVEMENT SHALL BE SWEPT OF ALL SEDIMENT ONCE IN THE SPRING AND ONCE IN THE FALL.

DEEP SUMP AND HOODED CATCH BASINS
THE DEEP SUMP FOR THE CATCH BASINS SHALL BE INSPECTED AND CLEANED ANNUALLY. THE CATCH BASINS SHALL HAVE A FOUR FOOT DEEP SUMP AND THE WATER LEVEL IS MAINTAINED BY THE DISCHARGE PIPE AT FOUR FEET. THE DISCHARGE PIPE IS HIDDEN FROM VIEW BY A HOODED OUTLET.

- THE DEPTH OF THE SEDIMENT IN A BASIN SHALL NOT EXCEED A DEPTH OF 18 INCHES AS DETERMINED BY PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVEL, MORE THAN 18 INCHES OF SEDIMENT HAS ACCUMULATED AND MUST BE REMOVED. LICENSED PERSONS SHOULD REMOVE AND DISPOSE OF THE CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS.

SUBSURFACE RECHARGE AREAS
THE SUBSURFACE RECHARGE AREAS SHALL BE OPENED AND INSPECTED ANNUALLY. IF THE WATER LEVEL, AS OBSERVED IN THE INSPECTION PORTS, IS MORE THAN 3" ABOVE THE BOTTOM OF THE PIPES, THEN THE PIPES SHALL BE FLUSHED WITH A PRESSURE HOSE. IF AFTER 12 HOURS THE WATER LEVEL HAS NOT DROPPED, THEN CHECK THE OUTLET STRUCTURE V-NOTCH weir FOR CLOGGING. THE SYSTEMS MAY NEED TO BE REPLACED. THIS INSPECTION SHOULD NOT BE DONE WITHIN 72 HOURS OF A RAIN EVENT.

DRAINAGE BASIN
IN EACH OF THE FIRST THREE YEARS AFTER CONSTRUCTION, TWO INSPECTIONS ARE REQUIRED IN BOTH THE GROWING AND NON-GROWING SEASONS. AFTER SUCCESSFUL ESTABLISHMENT OF ALL REQUIRED VEGETATION AND SURFACES WITHSTAND EROSION, INSPECTION AND MAINTENANCE SHOULD CONTINUE ON A YEARLY BASIS. THE FOLLOWING OBSERVATIONS AND CORRECTIVE MEASURES SHOULD BE MADE DURING EACH INSPECTION:

- SIDE SLOPES OF THE CHANNEL SHALL BE INSPECTED FOR EROSION. ALL ERODED AREAS SHALL RECEIVE 6" OF LOAM AND BE RESEEDED PER ORIGINAL DESIGN PLAN. AREAS OF CONTINUED EROSION SHALL BE STABILIZED WITH 3" MINUS RIPRAP.
- REMOVE ALL SEDIMENT FROM THE CHANNEL ONCE THE SEDIMENT REACHES 10% OF CHANNEL VOLUME OR 3-INCH DEPTH.

EMERGENCY CONTACTS:
IN THE EVENT OF A HAZARDOUS MATERIALS SPILL ON THE SITE THE FOLLOWING PARTIES SHALL BE CONTACTED:

FIRE DEPARTMENT: PH: 978-264-9645
SYLVIA FLETCHER, LLC: PH: (978) 461-0197

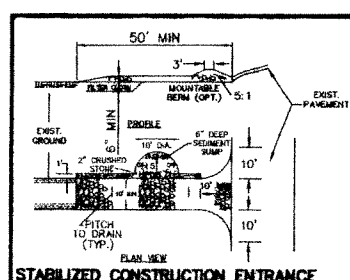
RECORDS:
THE OWNER SHALL MAINTAIN AN INSPECTION LOG OF ALL ELEMENTS OF THE STORM WATER MANAGEMENT PLAN. THE OWNER SHALL MAINTAIN A MAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE OF THE DRAINAGE STRUCTURES UNDER HIS CONTROL. A COPY OF THE EROSION CONTROL AND STORM WATER MAINTENANCE PLAN AND INSPECTION LOGS SHALL BE KEPT ONSITE AT ALL TIMES.

EROSION AND SEDIMENTATION CONTROL NOTES

1. THE LIMITS OF WORK SHALL BE MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION ON THE SITE.
3. SILTATION BARRIER AND SILT FENCE SHALL BE PLACED IN ALL AREAS AS SHOWN ON ALL THE PLANS AND IN ANY OTHER AREAS AS DETERMINED NECESSARY DURING CONSTRUCTION.
4. ALL SOIL STOCKPILES SHALL HAVE EROSION CONTROL MEASURES AROUND THEIR EDGES AT ALL TIMES. SOIL STOCKPILES SHALL BE COVERED WITH TEMPORARY VEGETATION OR FASTENED TAUPAULIN SHEETS.
5. THE DRAINAGE SYSTEM SHALL BE CONSTRUCTED DURING THE EARLIEST STAGES OF THE PROJECT IN ORDER TO COLLECT RUNOFF AND SEDIMENT.
6. ALL CATCH BASINS SHALL BE COVERED WITH SILTATION FABRIC DURING CONSTRUCTION. CATCH BASIN RIMS ARE TO BE SET AT GRINDER GRADE UNTIL IT IS TIME TO APPLY THE PAVEMENT WEARING COURSE.
7. ALL CUT AND FILL SLOPES SHALL BE IMMEDIATELY COVERED WITH 6" OF LOAM AND SEEDED DURING THE GROWING SEASON (APRIL 1 TO NOVEMBER 1) OR COVERED WITH HAYMULCH DURING THE NON-GROWING SEASON (NOVEMBER 1 TO APRIL 1). IN AREAS SUBJECT TO THE WETLANDS PROTECTION ACT, THE HAYMULCH AND/OR REQUIRED MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATION IS ESTABLISHED.
8. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL RECEIVE 6" OF LOAM AND BE SEEDED TO PREVENT EROSION.
9. THE DRAINAGE BASIN SHALL BE CLEANED FOLLOWING CONSTRUCTION AND ANNUALLY THEREAFTER.
10. UPON ACCUMULATION OF 6" OF SEDIMENT, THE DRAINAGE BASIN SHALL BE CLEANED.
11. THE SILTATION BARRIER SHALL BE MAINTAINED UNTIL VEGETATIVE COVER HAS BEEN SUITABLY ESTABLISHED AND GRADED SLOPES ARE STABLE.

INSPECTION/MAINTAINENCE:

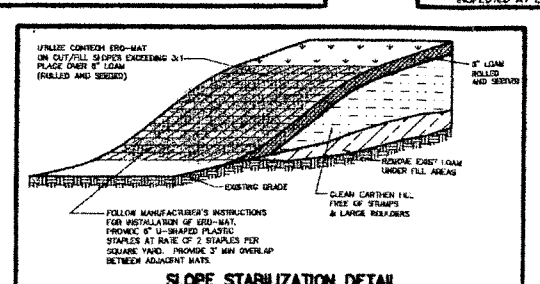
12. THE SITE CONTRACTOR IS RESPONSIBLE TO CLEAN UP ANY SEDIMENT WHICH ERODES FROM THE SITE INTO SYLVIA STREET OR ABUTTING PROPERTY IMMEDIATELY UPON DISCOVERY.
13. THE SITE CONTRACTOR IS RESPONSIBLE TO CLEAN UP ANY SEDIMENT WHICH ERODES FROM THE SITE ONTO PRIVATE PROPERTY AND TO REMOVE SEDIMENT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES.
14. THE CONTRACTOR SHALL FOLLOW STANDARD PRACTICE AND LOAM AND SEED ALL DISTURBED AREAS FOLLOWING CONSTRUCTION.
15. OPERATOR PERSONNEL MUST INSPECT THE CONSTRUCTION SITE AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5 INCHES OR MORE. DISTURBED AREAS THAT HAVE BEEN STABILIZED MUST BE INSPECTED AT LEAST ONCE PER MONTH.
16. THE SILTATION BARRIER SHALL BE MAINTAINED UNTIL VEGETATIVE COVER HAS BEEN SUITABLY ESTABLISHED. GRADED SLOPES ARE STABLE.
17. ALL CATCH BASIN SUMPS AND MANHOLES SHALL BE CLEANED OUT AFTER CONSTRUCTION AND ANNUALLY THEREAFTER.
18. DURING CONSTRUCTION, THE CONTRACTOR SHALL SPRAY DOWN THE SITE WITH A WATER TRUCK AS NEEDED FOR DUST CONTROL.
19. DURING CONSTRUCTION THE CONTRACTOR SHALL INSPECT SYLVIA STREET AND SWEEP AS NECESSARY.
20. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL STRUCTURES AND DEVICES THROUGHOUT CONSTRUCTION. ANY EROSION CONTROL DEVICES FOUND TO NO LONGER TO BE SERVICEABLE SHALL BE REMOVED AND REPLACED. ALL ACCUMULATED SEDIMENTS MUST BE REMOVED WHEN DEPOSITS REACH NO MORE THAN ONE HALF THE HEIGHT OF THE SILTATION BARRIER.
21. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN UNTREATED OR UNVEGETATED CONDITION FOR A MAXIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING (7 DAYS IF WITH 100 FEET OF A STREAM, POND OR WETLAND) AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL.
22. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT THE SITE FROM SPRING RUNOFF PROBLEMS. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TEMPORARY MULCH OR OTHER METHODS APPROVED BY THE ENGINEER SHALL BE EMPLOYED TO PROTECT THE SITE.
23. A STOCKPILE OF ADDITIONAL SILT FENCE AND HAYBALES SHALL BE KEPT ONSITE IN ORDER TO BE ABLE TO IMMEDIATELY RESPOND TO ISSUES WHICH MIGHT DEVELOP DURING CONSTRUCTION.



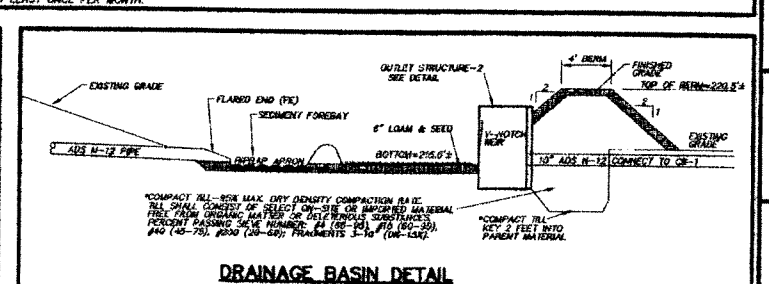
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. THE ENTRANCE OF THE PROPOSED DRIVEWAY SHALL INITIALLY HAVE 6" OF 2" CRUSHED STONE LAID DOWN AS A TRAFFIC SEDIMENT CONTROL SURFACE AS SHOWN IN THE STABILIZED CONSTRUCTION ENTRANCE DETAIL. THIS STONE PACK SHALL BE PLACED OVER THE DRIVEWAY FOR A MINIMUM DISTANCE OF 50 FEET FROM THE EDGE OF PAVEMENT AND SHALL BE REMOVED AND REPLACED WITH ROADWAY GRAVEL IMMEDIATELY PRIOR TO THE PLACEMENT OF PAVEMENT.
2. STONE SIZE -- USE 2" CRUSHED STONE. LARGER STONE MAY BE REQUIRED AND IS TO BE INSTALLED IF CONDITIONS ARE SUCH THAT THE 2-INCH STONE IS NOT PERFORMING AS REQUIRED.
3. WIDTH -- TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS OF INGRESS OR EGRESS.
4. FILTER CLOTH -- WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
5. SURFACE WATER -- ALL SURFACE WATER FLOWING OR DIVERTED NEAR CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
6. MAINTENANCE -- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
7. WASHING -- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS DONE IT SHALL BE DONE ON STABILIZED ENTRANCE WITH STONE AND WHICH DRAINS INTO THE SEDIMENT SUMP AS SHOWN.
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



SLOPE STABILIZATION DETAIL
NOT TO SCALE



DRAINAGE BASIN DETAIL
NOT TO SCALE

I, CLERK OF THE TOWN OF ACTON, MASSACHUSETTS HEREBY CERTIFY THE NOTICE OF APPROVAL OF THIS PLAN BY THE ACTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

DATE

TOWN CLERK

ACTON PLANNING BOARD

APPROVAL DATE:

ENDORSEMENT DATE:

DEFINITIVE PLAN
FOR
COLONIAL PATH
IN
ACTON, MA

EROSION AND SEDIMENTATION CONTROL PLAN AND DETAILS

FOR: SYLVIA FLETCHER, LLC
SCALE: 1"=40' NOVEMBER 7, 2005

STAMSKI AND McNARY, INC.
80 HARRIS STREET ACTON, MASS.
ENGINEERING - PLANNING - SURVEYING

0 20 40 80 160

SM-3276A (3276A DEFINITIVE.DWG) SHEET 6 OF 6

COMMONWEALTH OF MASSACHUSETTS JOSEPH MARCH CIVIL #40473 REGISTERED PROFESSIONAL ENGINEER

COMMONWEALTH OF MASSACHUSETTS WILLIAM F. McNARY No. 30763 REGISTERED PROFESSIONAL LAND SURVEYOR