GENERAL NOTES:

1) THIS PLAN IS BASED ON THE REFERENCED PLANS AND AN ON THE GROUND SURVEY. THE CERTIFICATION HEREON IS INTENDED TO MEET THE REQUIREMENTS OF THE REGISTRY OF DEEDS ONLY, AND IS NOT CERTIFICATION TO THE TITLE OR OWNERSHIP OF THE PROPERTY SHOWN, OR AS TO THE EXISTENCE OF UNRECORDED EASEMENTS. OWNERSHIP OF ABUTTING PROPERTIES ARE FROM CURRENT ASSESSOR'S RECORDS.

2. ALL UNDERGROUND UTILITIES SHOWN HERE 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 DESIGNING, 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 DAMAGES 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. 1-888-344-7233.

3. ALL DRAIN LINES, MANHOLES AND OTHER APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE ACTON ENGINEERING DEPARTMENT REQUIREMENTS.

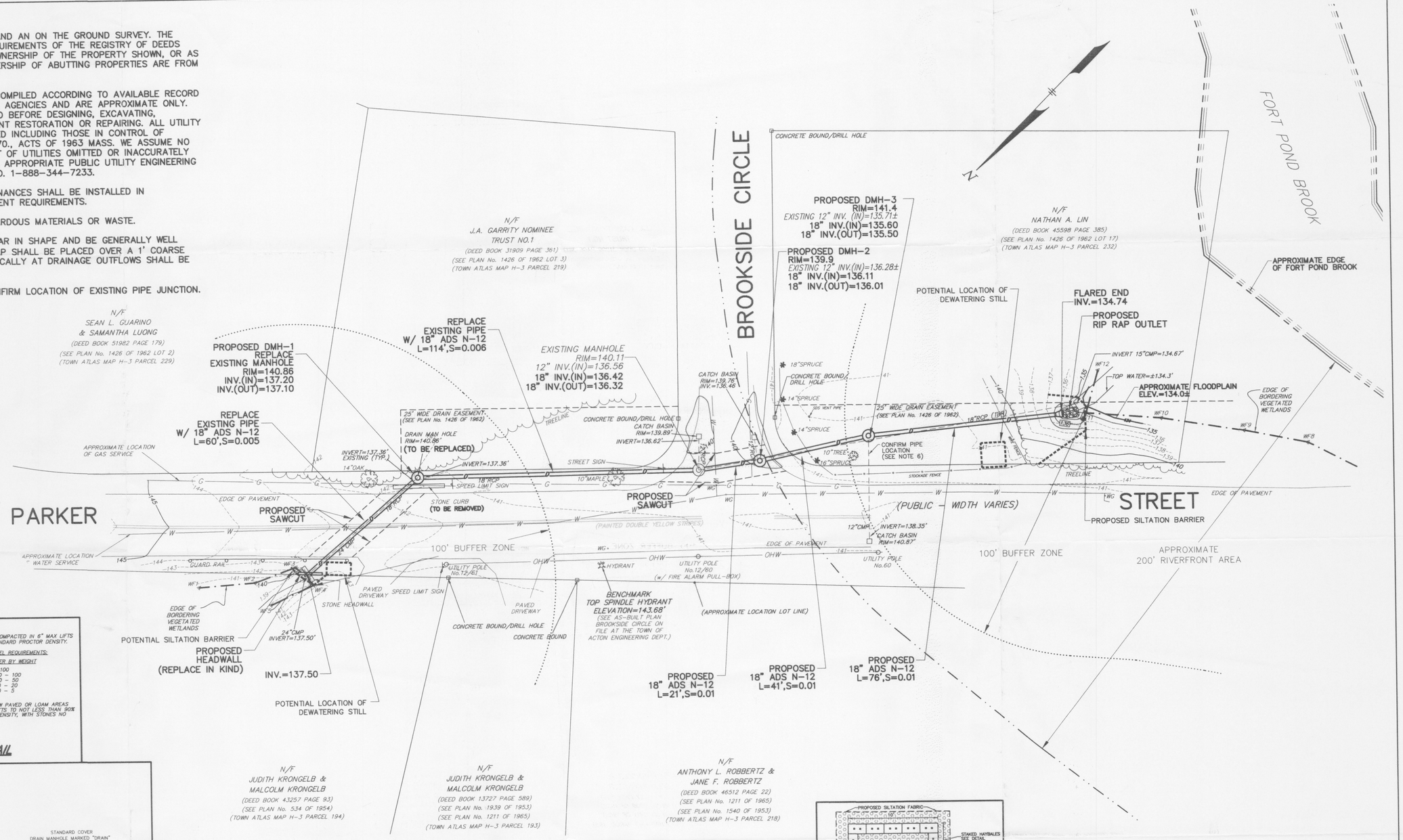
4. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.

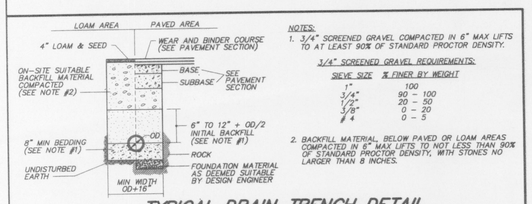
5. RIP RAP SHALL BE HARD, DURABLE STONE, ANGULAR IN SHAPE AND BE GENERALLY WELL GRADED WITHIN A 25 LB. TO 125 LB. RANGE. RIP RAP SHALL BE PLACED OVER A 1' COARSE BANK RUN GRAVEL MATTE. RIP RAP SHOWN SCHEMATICALLY AT DRAINAGE OUTFLOWS SHALL BE PLACED FOR A 3' WIDTH AND 6' LENGTH.

6. PRIOR TO INSTALLATION OF DMH-2 & DMH-3, CONFIRM LOCATION OF EXISTING PIPE JUNCTION.

LEGEND:

- N/F — NOW OR FORMERLY
- WF 10 — WETLANDS FLAG
- TREE
- WG — WATER GATE
- UP — UTILITY POLE
- TREE LINE
- W — WATER SERVICE (APPROXIMATE)
- G — GAS SERVICE (APPROXIMATE)
- T — TELEPHONE SERVICE (APPROXIMATE)
- 180 — EXISTING CONTOUR
- 181 — EXISTING CONTOUR
- EDGE OF WETLANDS
- RIVERFRONT AREA
- OHW — OVERHEAD WIRES





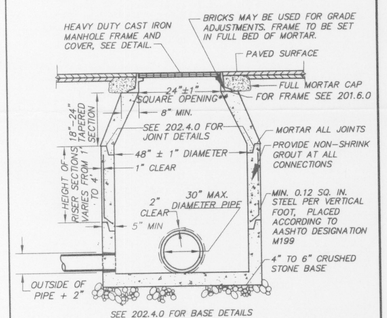
NOTES:
1. 3/4" SCREENED GRAVEL COMPACTED IN 6" MAX LIFTS TO AT LEAST 90% OF STANDARD PROCTOR DENSITY.

3/4" SCREENED GRAVEL REQUIREMENTS:

SIEVE SIZE	% FINER BY WEIGHT
1"	100
3/4"	90 - 100
1/2"	20 - 50
3/8"	0 - 20
#4	0 - 5

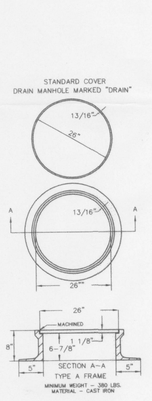
2. BACKFILL MATERIAL, BELOW PAVED OR LOAM AREAS COMPACTED IN 8" MAX LIFTS TO NOT LESS THAN 90% OF STANDARD PROCTOR DENSITY, WITH STONES NO LARGER THAN 8 INCHES.

TYPICAL DRAIN TRENCH DETAIL
NOT TO SCALE

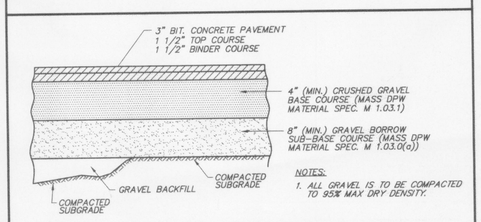


NOTES
1. MANHOLE TO CONFORM TO MASS. D.P.W. STANDARD 202.4.0.
2. FACE OF PIPE FLUSH OR NOT TO PROJECT MORE THAN 4" FROM FACE OF WALL ALONG CENTERLINE OF PIPE.
3. FOR DESCRIPTION, MATERIALS AND CONSTRUCTION METHOD, SEE SPECIFICATIONS.
4. THERE IS NO DMH-8

PRECAST CONCRETE MANHOLE DETAIL
NOT TO SCALE



MANHOLE FRAME AND COVER
N.T.S.

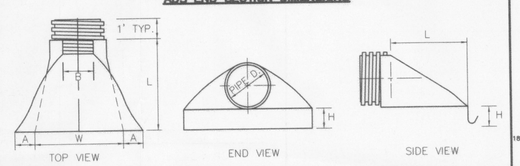


NOTES:
1. ALL GRAVEL IS TO BE COMPACTED TO 95% MAX DRY DENSITY.

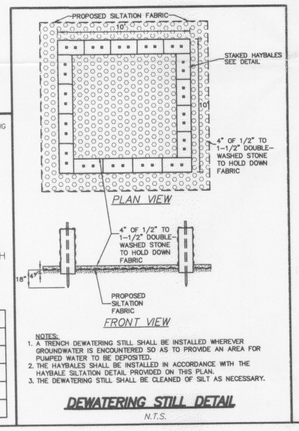
STANDARD PAVEMENT DETAIL
NOT TO SCALE

ADS END SECTION DIMENSIONS

FILE:FLARE END ADS.DWG



PIPE DIAMETER	PART NO.	DIMENSION (inches) A(1±)	B MAX	H(1±)	L(1/2±)	W(2±)
12" and 15"	1210 NP	6.5	10	6.5	25	29
18"	1810 NP	7.5	15	6.5	32	35
24"	2410 NP	7.5	18	6.5	36	45
36"	3610 NP	10.5	NA	7.0	53	68



NOTES:
1. A TRENCH DEWATERING STILL SHALL BE INSTALLED WHEREVER GROUNDWATER IS ENCOUNTERED SO AS TO PROVIDE AN AREA FOR PUMPED WATER TO BE DEPOSITED.
2. THE HAYBALES SHALL BE INSTALLED IN ACCORDANCE WITH THE HAYBALE SILTATION DETAIL PROVIDED ON THIS PLAN.
3. THE DEWATERING STILL SHALL BE CLEANED OF SILT AS NECESSARY.

DEWATERING STILL DETAIL
N.T.S.

JOSEPH MARCH CIVIL #40472 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

DRAINAGE PLAN IN ACTON, MASSACHUSETTS
(MIDDLESEX COUNTY)

FOR: TOWN OF ACTON
SCALE: 1"=20' MAY 14, 2012

STAMSKI AND MCNARY, INC.
1000 MAIN STREET ACTON, MASSACHUSETTS
ENGINEERING - PLANNING - SURVEYING

0 10 20 40 60 80 FT

(4828 WPA.dwg) Parker Street SM-4828