

CONSTRUCTION NOTES

- A. GENERAL**
- UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL CONFORM TO THE TOWN OF EASTHAM DPW REGULATIONS AND THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 1988 EDITION, AS AMENDED, HEREIN REFERRED TO AS STANDARD SPECIFICATIONS.
 - ALL CONSTRUCTION MUST BE SCHEDULED AND THE TOWN NOTIFIED SO AS TO BE AVAILABLE FOR INSPECTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIAL AND MANPOWER NECESSARY FOR THE MAINTENANCE AND PROTECTION OF VEHICULAR TRAFFIC AT ALL TIMES DURING THE LENGTH OF THE CONTRACT.
 - ALL INTERRUPTED DRIVEWAYS WILL HAVE A PAVED APRON CONSTRUCTED TO WITHIN ONE FOOT OF THE PROPERTY LINE OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH ITEM 03 OF THE GENERAL SPECIFICATIONS.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS AND MINIMIZE DISRUPTION FOR EXISTING DRIVEWAYS DURING THE PROJECT.

B. ROADWAY

- FILL FOR ROAD CONSTRUCTION SHALL BE SUITABLE CLEAN SAND COMPACTED IN STRICT 6" LIFTS TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST IN ACCORDANCE WITH ASTM TEST DESIGNATION 1557. THIS COMPACTION REQUIREMENT IS APPLICABLE TO ALL FILL AREAS UNDERLYING THE ROADWAY AND FILLED SIDE SLOPES.
- UNDER THE ROADWAY, ALL FILL OR UNDISTURBED MATERIAL SHALL BE NON-FROST SUSCEPTIBLE AND SHALL CONTAIN NOT MORE THAN THREE (3) PERCENT PASSING THE 0.02 MILLIMETER SIEVE FOR A MINIMUM DEPTH OF THREE (3) FEET BELOW THE FINISHED SIDEWALK OR SIDE.
- SIDEWALKS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE SPECIFIED.
- SIDE AREAS WHICH ARE DISTURBED BY ROADWAY CONSTRUCTION INCLUDING SHOULDERS AND SIDE SLOPES, SHALL BE GRADED TO BLEND INTO UNDISTURBED AREAS AND SHALL BE LOADED WITH A MINIMUM OF 6" TOPSOIL AND SEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF A 4" YELLOW CENTERLINE AND 4" WHITE FOG LINES ON ALL PROPOSED PAVEMENT AREAS AT LOCATION DESIGNATED BY THE ENGINEER.

C. UTILITIES

- ALL UTILITIES EXISTING UNDERGROUND SHALL BE PROTECTED AND/OR MODIFIED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE INDIVIDUAL UTILITY COMPANIES CONCERNED. INSTALLATION OF ANY UTILITIES MUST BE COORDINATED WITH THE UTILITY COMPANIES WHO SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF WORK. ALL UTILITY WORK SHALL BE COORDINATED TO MAINTAIN A MINIMUM PERIOD OF SERVICE INTERRUPTION.
- THE CONTRACTOR IS TO FIELD VERIFY THE LOCATION AND SIZE OF THE CONCRETE ENCASED CONDUIT LOCATED APPROXIMATELY AT THE EXISTING RIGHT OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXISTING CONSTRUCTION. CONTRACT VERIFICATION SHALL BE TAKEN PRIOR TO CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL NOTIFY THE STATE PRIOR TO CONSTRUCTION OPERATIONS COMMENCING TO LOCATE ALL UNDERGROUND UTILITIES.

D. PAVEMENT

- THE PAVEMENT FOR ROADWAYS SHALL CONSIST OF TWO COURSES OF CLASS 1 BITUMINOUS CONCRETE: A 1.5" TOP COURSE AND A 2.5" BINDER COURSE. THE JOB MIX FORMULA SHALL MEET THE MASS. DPW STANDARD SPECIFICATION M311.03 FOR BINDER AND TOP COURSES. THE CONSTRUCTION METHODS SHALL MEET MASS. DPW STANDARD SPECIFICATIONS SECTION 460. NO PAVEMENT WORK SHALL BE DONE DURING RAINY WEATHER UPON SATURATED SURFACES WHERE WATER IS STANDING. WHERE THE TEMPERATURE IS LOWER THAN 40°F. OR WHERE FROST IS IN THE GROUND, THE SUBBASE PROCESSED GRAVEL SHALL MEET MASS. DPW STANDARD SPECIFICATION M2.01.7 FOR DENSE GRADED CRUSHED STONE.

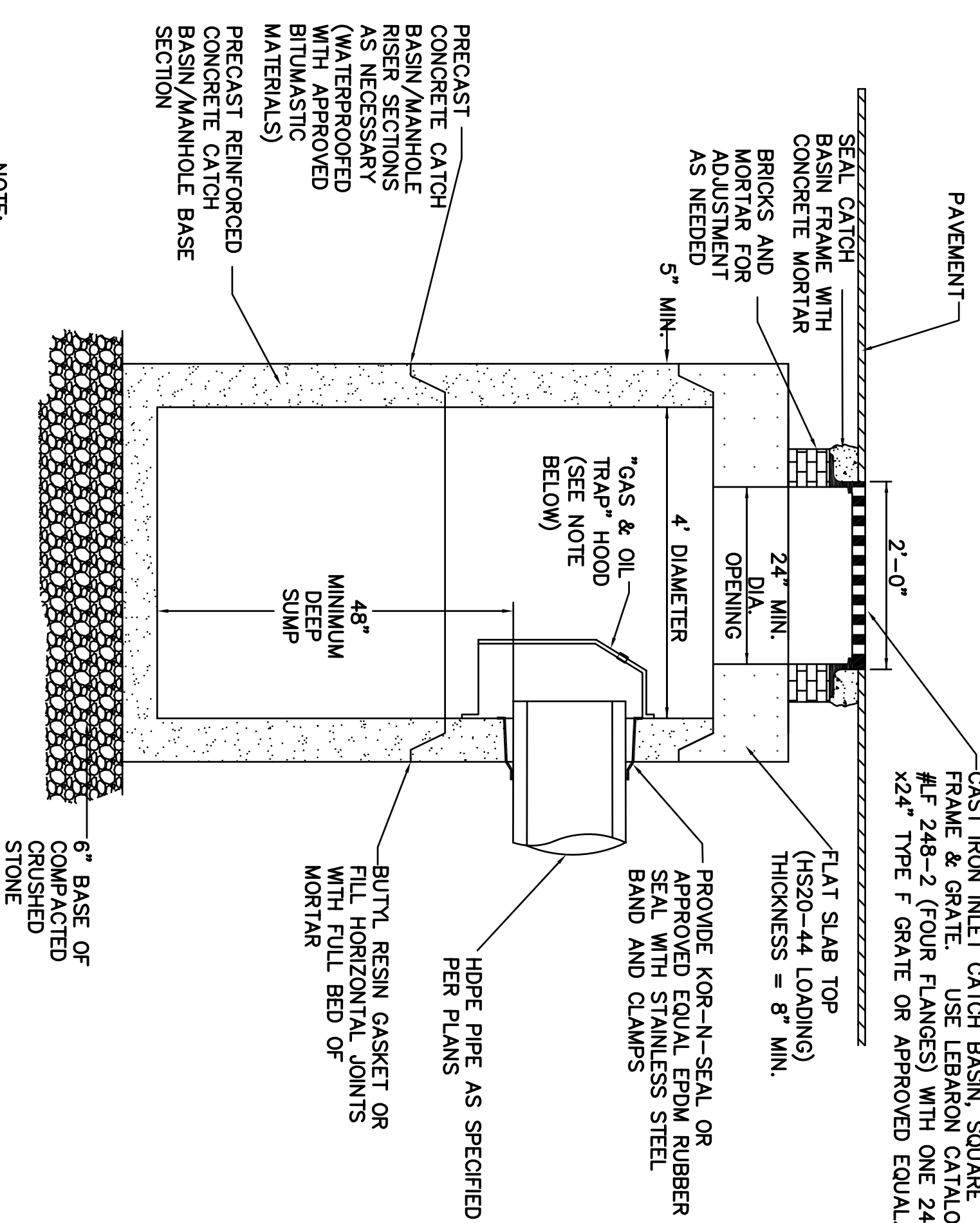
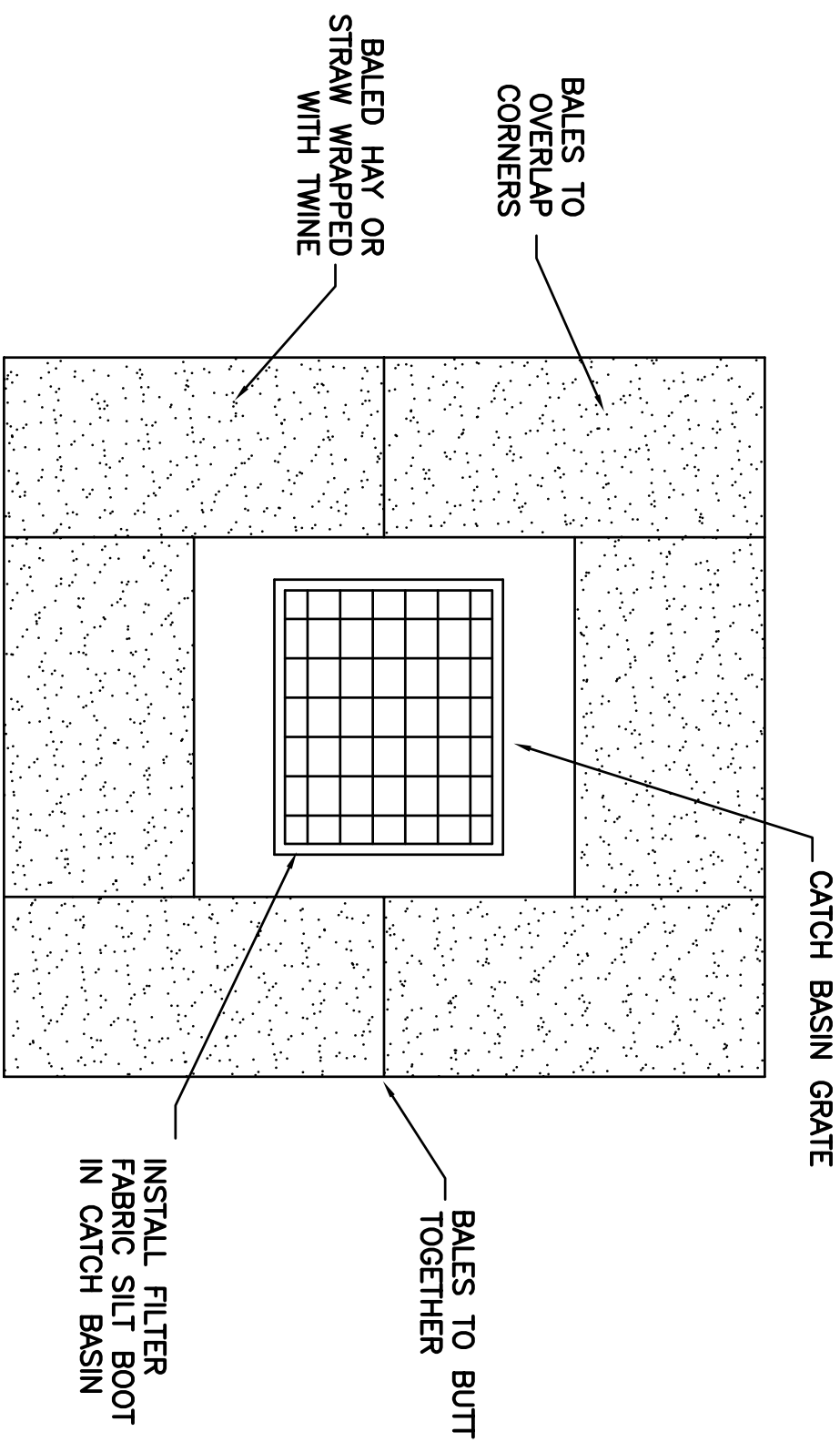
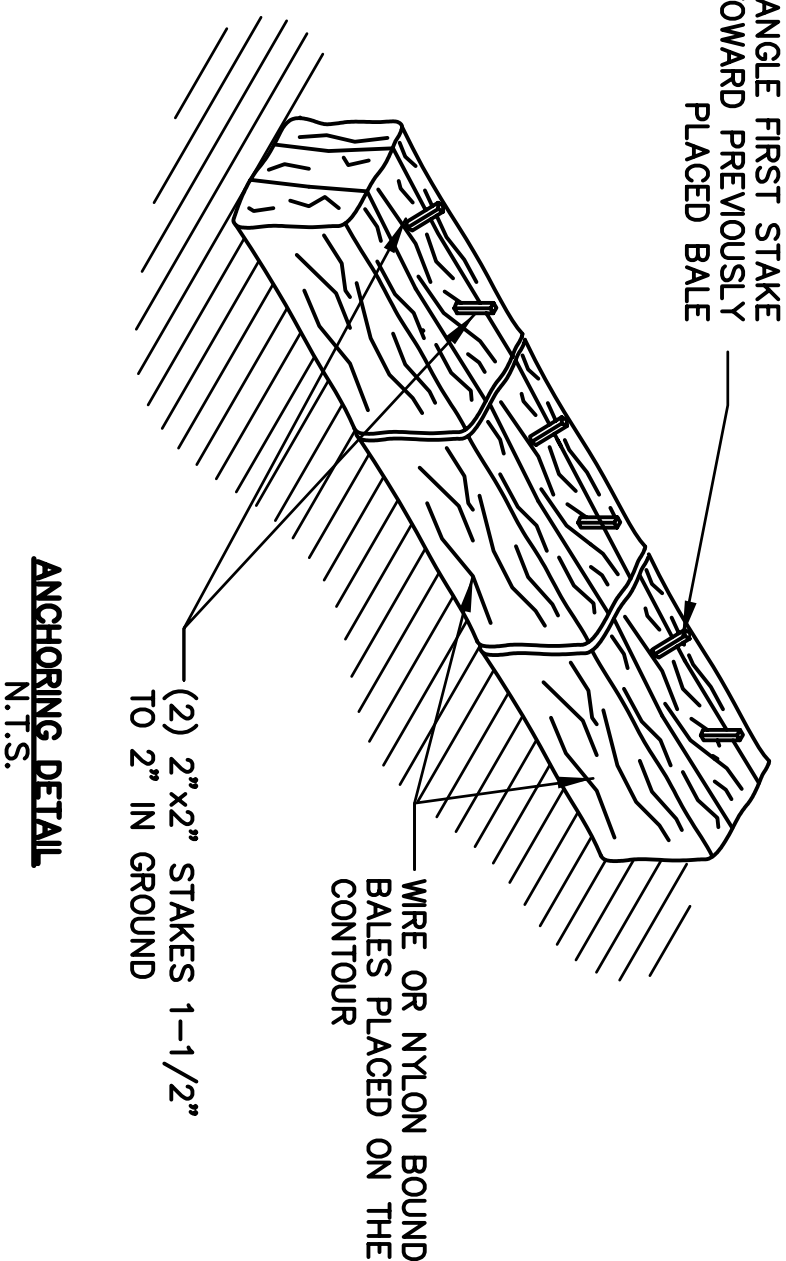
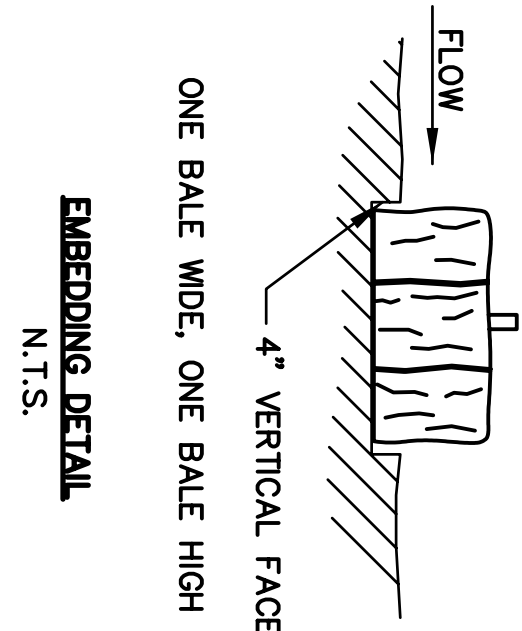
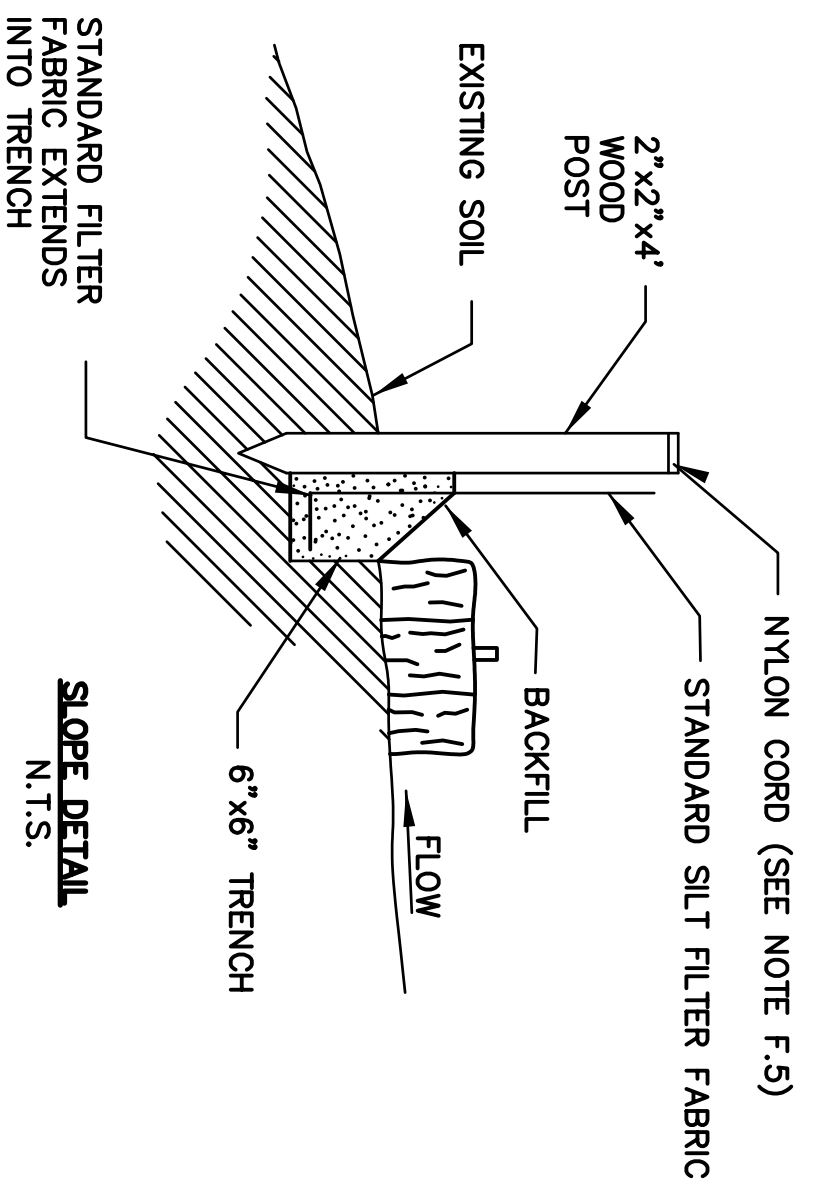
E. DRAINAGE

- PROVIDE DRAINAGE FACILITIES AS SHOWN. ANY LOAMY-SAND, SILT-LOAM, SILT, CLAY OR OTHER UNSUITABLE MATERIAL ENCOUNTERED ON THE SIDEWALLS OF THE EXCAVATION FOR THE LEACHING AREAS SHALL BE REMOVED TO A MINIMUM DISTANCE OF 5 FEET OUTSIDE THE PERIMETER OF THE LEACHING AREA AND REPLACED WITH CLEAN GRAVEL OR SAND MATERIAL, HAVING A MINIMUM PERCOLATION RATE IN ITS ORIGINAL LOCATION AND AFTER PLACEMENT OF 2 MPI. IF UNSUITABLE MATERIAL IS ENCOUNTERED AT THE BASE OF THE EXCAVATION FOR THE LEACHING AREA, SAID SOIL SHALL BE REMOVED AND REPLACED WITH 2 MPI SOIL UNTIL NATURALLY OCCURRING PERMEABLE MATERIAL IS ENCOUNTERED.
- ALL CONSTRUCTION MUST BE SCHEDULED AND THE INSPECTING ENGINEER NOTIFIED SO AS TO BE AVAILABLE FOR INSPECTIONS.
- FINAL CLEANUP SHALL INCLUDE THE CLEANING OF ALL CATCH BASINS, MANHOLES, AND PIPES.
- ALL PRECAST CONCRETE LEACHING PITS SHALL BE H-20 LOADING AND SIZED AS SHOWN ON PLAN.
- ALL DRAINAGE PIPING SHALL BE 12" DIAMETER HDPE PIPE UNLESS OTHERWISE SPECIFIED.
- ALL CAST IRON FRAMES AND GRATES SHALL BE 24" SQUARE HEAVY DUTY (H-20). USE LEBARON LF 248-2 OR APPROVED EQUAL.
- FRAME FOR GRATE OR COVER SHALL BE BROUGHT TO GRADE WITH HARD RED BRICK AND MORTAR.
- PROVIDE CONCRETE COLLAR SURROUNDING CAST IRON FRAME FOR GRATES AND COVERS.
- CATCH BASIN SECTIONS SHALL BE FITTED WITH RUBBER GASKET JOINTS PARGED WITH MORTAR INSIDE AND OUT.
- ALL CATCH BASINS SHALL BE FITTED WITH ALUMINUM STEPS SPACED 12" ON CENTER.
- ALL CATCH BASINS SHALL HAVE MINIMUM 5" THICKNESS WALL AND 6" THICKNESS BOTTOM.
- ALL CATCH BASINS SHALL HAVE MINIMUM INNER DIAMETER OF 4 FEET.

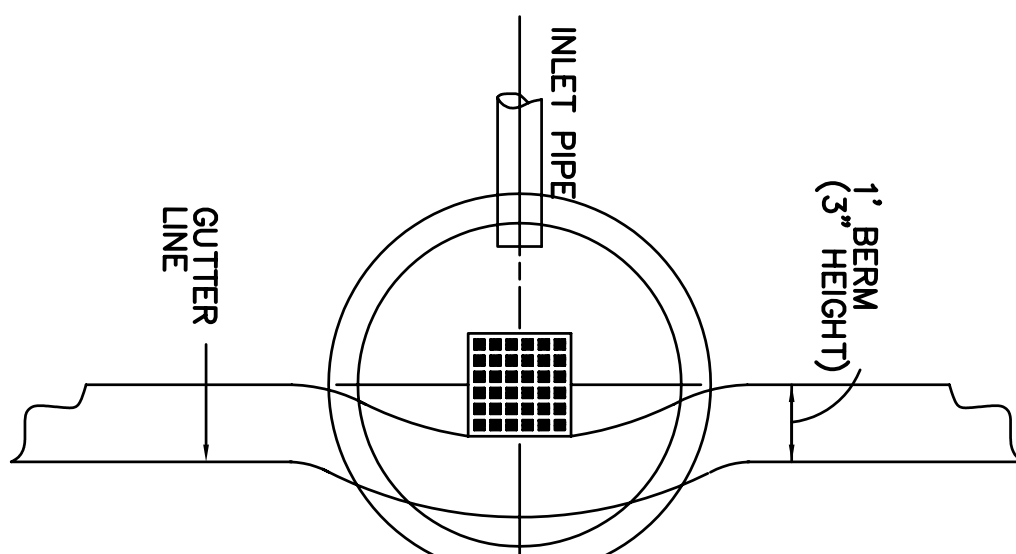
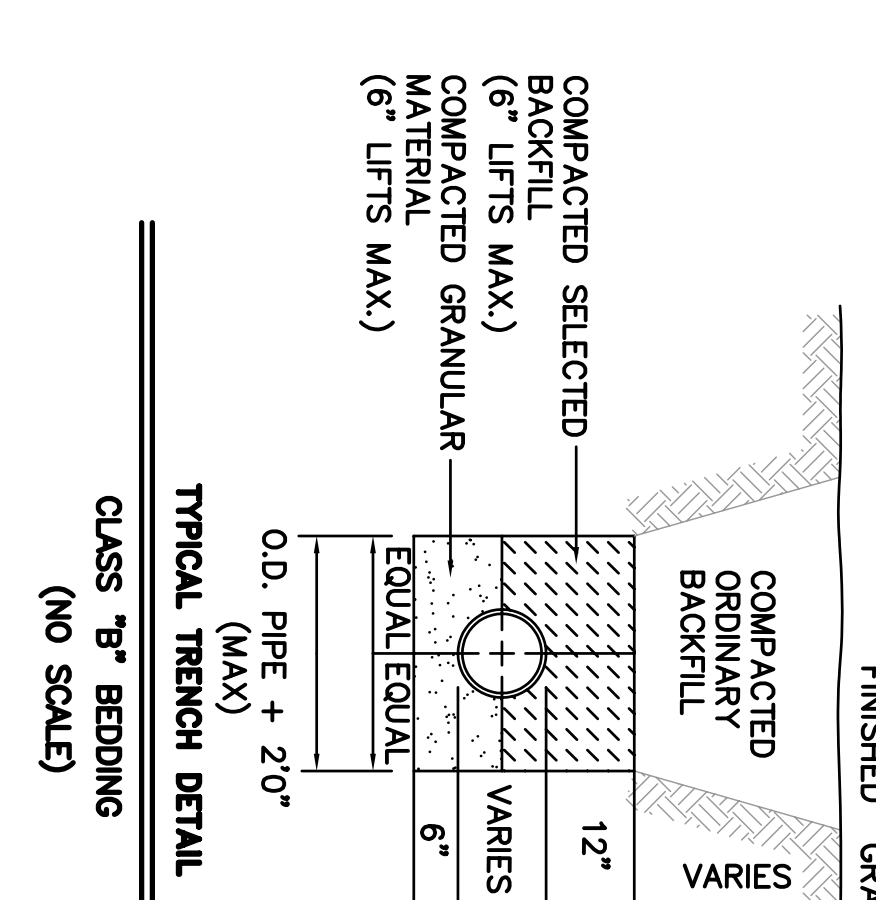
F. EROSION CONTROL

THE FOLLOWING ARE GENERAL EROSION CONTROL SPECIFICATIONS TO BE EMPLOYED WHEN CONSTRUCTION WORK IS TO TAKE PLACE ON SITE:

- PRIOR TO ANY DISTURBANCE OR ALTERATIONS OF ANY AREA ON THE SITE, A STAKED HAYBALE SEDIMENT BARRIER SHALL BE INSTALLED AS SHOWN.
- ONCE INSTALLED, THE STAKED HAYBALE SEDIMENT BARRIER SHALL BE MAINTAINED IN PLACE UNTIL ALL AREAS UPGRADIENT FROM THE BARRIER HAVE BEEN STABILIZED AS SPECIFIED HEREIN.
- ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED OR WHERE SPECIAL STABILIZATION MEASURES OR LANDSCAPE PLANTING ARE NOT PROPOSED SHALL BE LOADED AND SEEDED OR SOODED. APPLY SIX INCHES OF LOAM TOPSOIL (MIN.), UNLESS OTHERWISE NOTED.
- ALL AREAS OUTSIDE THE LIMIT OF WORK ARE TO BE LEFT UNDISTURBED DURING THE SITE WORK. ALL PERSONS AND EQUIPMENT SHALL STAY OUT OF THESE AREAS AND PRESERVE THE EXISTING VEGETATION.
- WHEN JOINING TWO OR MORE SILT FENCES TOGETHER, TIE THE WOOD POSTS TOGETHER WITH NYLON CORN.



NOTE:
1. FOR OIL AND GAS TRAP HOOD, USE "THE SNOOT" BY BEST MANAGEMENT PRODUCTS, INC. OR APPROVED EQUAL. SIZE PER MANUFACTURER'S SPECIFICATIONS.



NOTE:
CATCH BASIN RIMS SHALL BE SET FLUSH

NOTE:
1. SURROUND STREET DRAINAGE STRUCTURE INLET WITH HAYBALES PRIOR TO CONSTRUCTION AND MAINTAIN UNTIL CONSTRUCTION IS COMPLETED. ACCUMULATED SEDIMENTS SHALL BE REMOVED.
2. HAYBALES PLACED ON PAVEMENT SHALL HAVE BURLAP PLACED BETWEEN PAVEMENT AND HAY BALES. HAYBALES IN NON-PAVED AREAS SHALL BE STAKED IN PLACE.

STORM DRAIN INLET PROTECTION DETAIL
N.T.S.

No.	Date	Dr. By	Ck. By	App. By	Description				
		A	P	P	R	O	V	E	D

EASTHAM, MASSACHUSETTS BOARD OF SELECTMEN AND DEPARTMENT OF PUBLIC WORKS BRACKETT ROAD RECONSTRUCTION									
DETAILS									
FILE NO.	CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR. BY	DSN. BY	CHK. BY	APP. BY	
1	1	NTS	NTS	1	JFF	GTS	SRA	MJS	