### GENERAL EROSION CONTROL NOTES:

- 1. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED & MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED MARCH, 2003 (AS REVISED).
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING STORM WATER MANAGEMENT PRACTICES IN ACCORDANCE WITH LOCAL REGULATIONS AND GOVERNING AUTHORITIES AND SHALL BE RESPONSIBLE FOR ANY FINES RESULTING FROM
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED UNTIL FINAL SURFACING AND LANDSCAPING ARE ESTABLISHED.
- 4. THE CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, SILT/HAYBALE FENCE SHALL BE INSTALLED AT THE DOWNGRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM, CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES TO CONTROL EROSION. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWNGRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT.
- 5. CATCH BASIN AND STORM DRAIN PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO PROTECT EXISTING SYSTEMS FROM RECEIVING RUNOFF FROM UNSTABILIZED SURFACES.
- THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENTATION CONTROL DEVICES AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS. REPAIRS SHALL BE MADE AS NECESSARY. ACCUMULATED SEDIMENT TRAPPED BY EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE REMOVED AS NECESSARY.
- 7. DURING CONSTRUCTION, TEMPORARY OUTLETS OF THE DRAINAGE SYSTEMS SHALL BE PROTECTED BY SEDIMENT BASINS.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE REMOVED AND THOSE AND ADJACENT AREAS RESTORED UPON COMPLETION OF THE WORK OR WHEN SO ORDERED BY THE ENGINEER.
- PERMANENT SEED MIX SHALL BE USED BETWEEN 05/15 AND 9/30. USE TEMPORARY SEED MIX SHALL BE USED BETWEEN 10/1 AND 5/14.
- 10. SEEDING SHALL BE INSTALLED ON EXPOSED AREAS OF THE SITE WHERE GRADING ACTIVITIES WILL CEASE FOR A PERIOD OF MORE THAN 21 DAYS. SEEDING SHALL BE INSTALLED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. TEMPORARY SEEDING SHALL BE INSTALLED ON SUCH AREAS AS GRADED SLOPES, STOCKPILE AREAS, ETC.

TEMPORARY SEED MIX SHALL MEET THE FOLLOWING CRITERIA:

SEED	% WEIGHT	% GERMINATI
WINTER RYE RED FESCUE (CREEPING) PERENNIAL RYE GRASS RED CLOVER OTHER CROP GRASS NOXIOUS WEED SEED INERT MATTER	80 MINIMUM 4 MIN 3 MIN 3 MIN 0.5 MAX 0.5 MAX 1.0 MAX	85 MIN 80 MIN 90 MIN 90 MIN

11. PERMANENT SEED MIX SHALL MEET THE FOLLOWING CRITERIA (MDOT SPEC 171.03-B):

SHEEP FESCUE WHITE CLOVER ANNUAL RYE

- 12. THE METHOD OF STRIPPING VEGETATION SHALL BE SUCH AS TO MINIMIZE EROSION. FILLS SHALL BE PLACED AND COMPACTED IN SUCH A MANNER THAT SOIL SLIDING AND EROSION IS MINIMIZED. GRADING SHALL BE DONE IN SUCH A MANNER AS NOT TO DIVERT WATER ON TO ADJOINING PROPERTY.
- 13. TEMPORARY MULCHING IS TO BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE AND UNSTABILIZED FOR A PERIOD GREATER THAN 7 DAYS.

#### WINTER EROSION CONTROL AND STABILIZATION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL WINTER EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION A-3 OF "MAINE EROSION AND SEDIMENTATION CONTROL BMP'S".
- WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ONE TIME.
- DISTURBED AREAS ARE TO BE LIMITED TO AREAS WHERE WORK IS TO BE COMPLETED WITHIN 15 DAYS AND CAN BE MULCHED IN ONE DAY PRIOR TO A SNOW EVENT.
- 4. THE SITE STABILIZATION SCHEDULE BEFORE WINTER SHALL BE AS FOLLOWS:

ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEEDED AND SEPTEMBER 15 MULCHED. ALL GRASS LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL BLANKET. ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT A SEEDING OCTOBER 1

DECEMBER 1

NOVEMBER 15

RATE OF 3 POUNDS PER 1000 SQ-FT AND MULCHED. ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE. ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST THREE INCHES TALL OR AT LEAST 75% OF THE DISTURBED SOIL IS COVERED BY VEGETATION, MUST BE PROTECTED FOR

## **GENERAL CONSTRUCTION NOTES:**

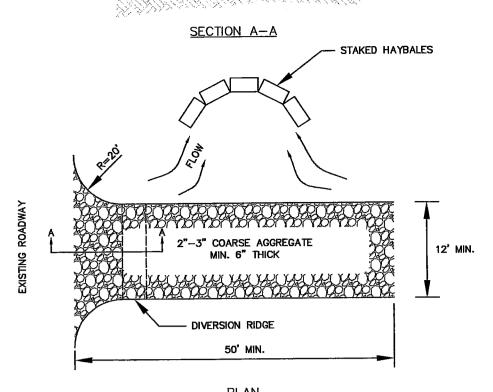
- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "DIG-SAFE" AND LOCAL UTILITY COMPANIES AT LEAST 3 BUSINESS DAYS, BUT NOT MORE THAN 30 CALENDAR DAYS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, OR AS OTHERWISE REQUIRED BY MAINE STATE LAW.
- 2) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS AND TECHNIQUES EMPLOYED TO PERFORM THE WORK SHOWN ON THESE PLANS.
- 3) ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY
- 4) CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES WITH THE RESPECTIVE COMPANY PRIOR TO THE START OF CONSTRUCTION. IF ANY DISCREPANCIES OR CONFLICTS ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING.
- 5) ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED. UTILITY POLE RELOCATION SHALL BE COORDINATED WITH CMP.
- 6) THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THE WORK SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.
- 7) NO BLASTING WILL BE ALLOWED WITHIN 500 FT OF ANY UTILITY WITHOUT THE NOTIFICATION AND APPROVAL OF CMP OR THE APPROPRIATE UTILITY COMPANY. NO LEDGE BLASTING WILL BE PERMITTED WITHIN A UTILITY COMPANY EASEMENT UNTIL WRITTEN APPROVAL FROM THE UTILITY IS GIVEN.
- 8) PAVEMENT CUTS SHALL BE SAW CUT TO RESULT IN CLEAN EDGES. A TACK COAT SHALL BE APPLIED ALONG THE CUT EDGES AND NEW PAVEMENT BUTTED TO IT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 9) THE CONTRACTOR SHALL BE RESPONSIBLE TO RECLAIM OR PROPERLY DISPOSE OF REMOVED BITUMINOUS MATERIALS.
- 10) INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.
- 11) ROADWAY MATERIALS AS REFERENCED FROM "STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DECEMBER 2002" CHAPTER 401.02 MATERIALS, EXCEPT AS OTHERWISE NOTED.

### GENERAL SITE GRADING NOTES:

- 1) ALL NEW DRIVE AND PARKING AREA SURFACES SHALL PITCH 1/4 INCH PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
- 2) ALL AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP 4 INCHES OF SOIL SHALL BE
- 3) ALL ELEVATIONS REFER TO NGVD 29. THE CONTRACTOR WILL BE PROVIDED WITH AN ON-SITE TEMPORARY BENCHMARK PRIOR TO CONSTRUCTION.
- 4) CONTRACTOR SHALL CONTROL DUST ON THE CONSTRUCTION SITE TO A REASONABLE LIMIT, TO THE SATISFACTION OF THE TOWN AND ENGINEER.
- 5) CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS, OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
- 6) CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND EXCESS EXCAVATED MATERIAL FROM WITHIN THE CONSTRUCTION LIMIT OF WORK, TO A SUITABLE OFF SITE LOCATION PROVIDED BY THE CONTRACTOR, IN COMPLIANCE WITH STATE AND
- 7) CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR ALL PAVEMENT AND OTHER ITEMS DAMAGED BY HIS CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE TOWN AND ENGINEER.
- 8) WHERE EXISTING PAVEMENT IS REMOVED AND REPLACED, MATCH EXISTING GRADES TO THE EXTENT POSSIBLE. COORDINATE FINE GRADING WITH THE ENGINEER.

# GENERAL SITE LAYOUT NOTES:

- 1) THE OWNER SHALL PROVIDE SURVEYING BENCHMARK LOCATION AND ELEVATION THAT CORRESPONDS TO THE DESIGN ELEVATIONS AND EXISTING SITE ELEVATIONS. CONTRACTOR SHALL UTILIZE BENCHMARK ELEVATIONS FOR LAYOUT OF THE WORK.
- 2) THE LIMITS OF ON-SITE WORK SHALL BE AS SHOWN ON DRAWINGS. THE LOCATION OF ON-SITE STORAGE AREAS SHALL BE REVIEWED/ COORDINATED WITH, AND ACCEPTABLE TO THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.
- 3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTING ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY HIS OPERATIONS. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE, AT NO ADDITIONAL COST TO THE OWNER.
- 4) WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.



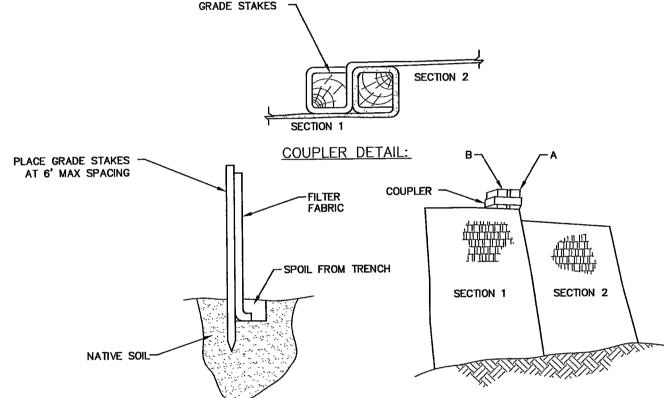
1) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR

2) WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF WAY.

CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

3) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL



1. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER. 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK

3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE

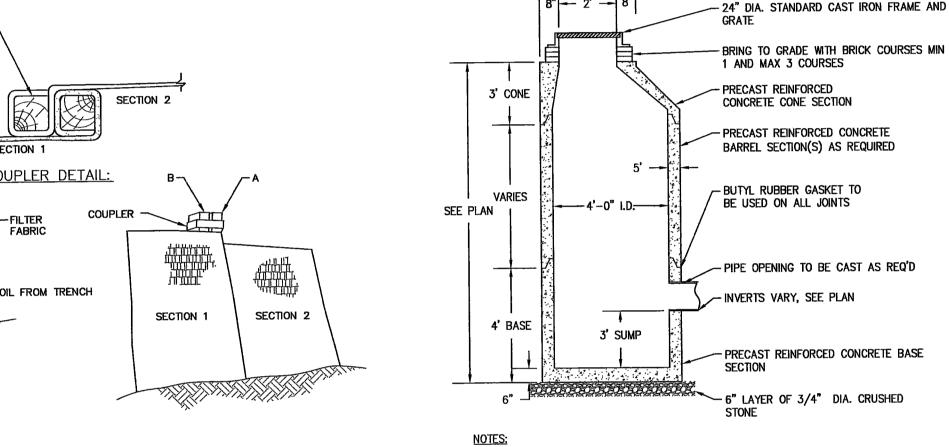
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.

5. JOIN SECTION AS SHOWN ABOVE.

(DOWNSTREAM) WALL OF THE TRENCH.

6. BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

SILT FENCE DETAIL DETAIL NOT TO SCALE



GRASSED ESPLANADE

CURBING

<u>BITUMINOUS CURB DETAIL</u>

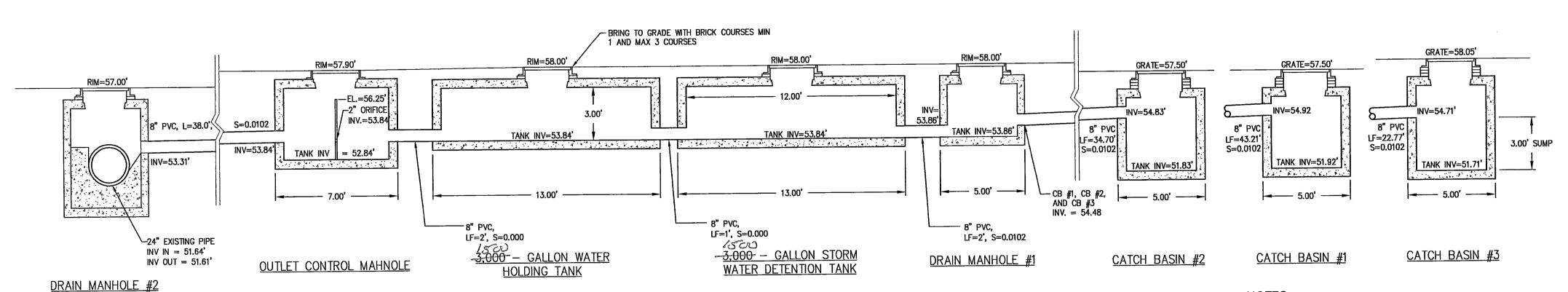
ROAD SURFACE

PLACE 4" OF

LOAM AND SEED

CONCRETE 4000 PSI AFTER 28 DAYS. REINFORCING H-20 LOADING 4x4 / 4x4 WWM. EACH CASTING TO HAVE LIFTING HOLES TO BE FILLED WITH NON-SHRINK

PRECAST CONCRETE CATCH <u>BASIN DETAIL</u> NOT TO SCALE

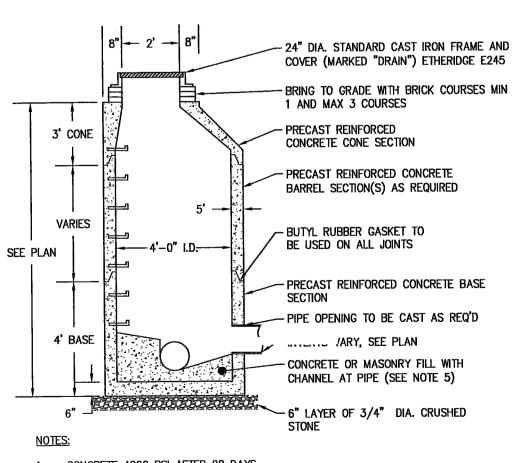


STORM DRAIN HYDRAULIC PROFILE SCALE: 1"=4"

NOTES: 3000-GALLON STORM WATER DETENTION TANKS 1. TANK TO BE OFFLOADED AND SET BY SUPERIOR CONCRETE PROVIDING SITE CONDITIONS ARE MET 2. CONCRETE 5,000 PSI AFTER 28 DAYS. 3. STEEL REINFORCING - ASTM A-615-85, GRADE 60, 4. TANKS TO BE H-20 LOADING. 5. SEAL ALL JOINTS WITH 1" DIA. BUTYL RUBBER OR

EQUIVALENT.

PRECAST CONCRETE DRAIN MANHOLE DETAIL NOT TO SCALE



CP&S ASSOCIATE 1 BROOKSIDE DE FALMOUTH, MAIN

S AND NOTES
AIN CAR WASH
EN AVENUE
D, MAINE 04103

TAILS A WERAIN VARREN TLAND,

SHEET:

CONCRETE 4000 PSI AFTER 28 DAYS. REINFORCING H-20 LOADING 4x4 / 4x4 WWM. EACH CASTING TO HAVE LIFTING HOLES TO BE FILLED WITH NON-SHRINK MANHOLE STEPS TO BE ALUMINUM OR HIGH IMPACT PLASTIC.

DRAIN MANHOLES WITHOUT CATCH BASINS UPSTREAM SHALL BE CONSTRUCTED

WITH 3' DEEP SUMPS.