

**EROSION CONTROL AND LANDSCAPING NOTES**

**EROSION CONTROL**

CONSTRUCT ALL SWALES AND BERMS AS SHOWN OR AS REQUIRED TO DIRECT AND CONTROL STORMWATER RUNOFF AND PREVENT EXCESS EROSION. 3:3% (3:1) SLOPES STEEPER THAN (3:1) SHALL BE STABILIZED BY HYDROSEEDING WITH MULCH BINDER TYPE "AM", TYPE "A" OR BY USING JUTE MESH AS LISTED IN THE EROSION HANDBOOK OF THE TOWN OF HUNTINGTON.

**TOPSOIL**

ALL DISTURBED SOIL AREAS, EXCLUDING PAVED AREAS AND RECHARGE BASINS, MUST BE COVERED WITH A MINIMUM OF 4" (INCHES) OF NATIVE TOPSOIL PRIOR TO THE REMOVAL OF EXCESS TOPSOIL.

**LIME AND FERTILIZER**

ALL AREAS SPECIFIED TO BE SEEDING SHALL RECEIVE LIME AND SPECIFIED AS RECHARGE BASINS SHALL RECEIVE LIME AND FERTILIZER FERTILIZER AS SPECIFIED IN THE EROSION AND SEDIMENT CONTROL HANDBOOK OF THE TOWN OF HUNTINGTON.

**MULCHING**

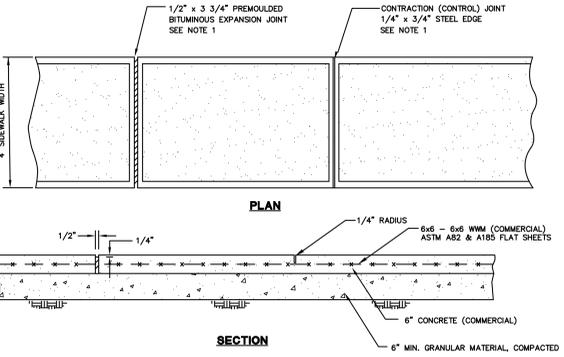
ALL AREAS RECEIVING SEED AND ELSEWHERE AS NOTED, SHALL BE MULCHED AND ANCHORED AS SPECIFIED IN THE EROSION AND SEDIMENT CONTROL HANDBOOK OF THE TOWN OF HUNTINGTON.

**TYPE OF SEED, HYDROSEEDING OR ALTERNATE STABILIZATION**

- HYDROSEED "A" @ 150 LB. PER ACRE
- 40% REBEL II TALL FESCUE
- 20% WEEPING LOVEGRASS
- 10% RELIANT HARD FESCUE
- 10% JAMESTOWN II CHEWINGS FESCUE
- 10% PALMER II PERENNIAL RYEGRASS
- 5% WHITE CLOVER
- 5% BLACKWELL SWITCHGRASS

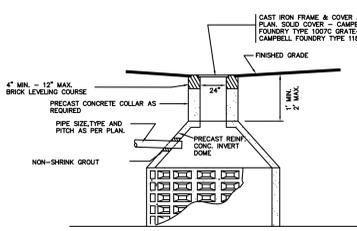
**TREE AND SHRUB PLANTING**

- ALL TREES AND SHRUBS SHALL BE PLANTED IN CIRCULAR PITS 1 FOOT CLEAR ON ALL SIDES AND BOTTOM OF ROOT BALL AND BACKFILL WITH A MIXTURE OF 7 PARTS TOPSOIL, 1 PART ROTTED MANURE.
- ALL PLANT MATERIAL SHALL HAVE VIGOROUS ROOT GROWTH AND BE FREE FROM ROOT INJURY AND DISEASE IN ANY FORM.
- STREET TREES SHALL NOT BE PLANTED WITHIN 10' OF A FIRE HYDRANT, DRIVEWAY APRON OR STORMWATER PIPE/CATCH BASIN OR WITHIN 25' OF ANY STREET LIGHT, STREET SIGN OR POINT OF CURVATURE OR TANGENCY OF ANY CORNER.
- THERE SHALL BE NO PLANT SUBSTITUTIONS UNLESS AUTHORIZED BY THE STAFF OF THE HUNTINGTON TOWN PLANNING DEPARTMENT.
- ALL EXISTING TREES SHALL REMAIN EXCEPT AS NOTED.
- A BRIGHTLY COLORED CONSTRUCTION FENCE SHALL BE ERRECTED ALONG CONSTRUCTION CLEARING LIMITS AND AROUND EXISTING TREES TO MITIGATE THE IMPACT OF COMPACTION OVER CRITICAL ROOTS, INJURIES TO BARK AND LIMBS, SPILLS OF OIL, CONCRETE OR OTHER HARMFUL CHEMICALS.

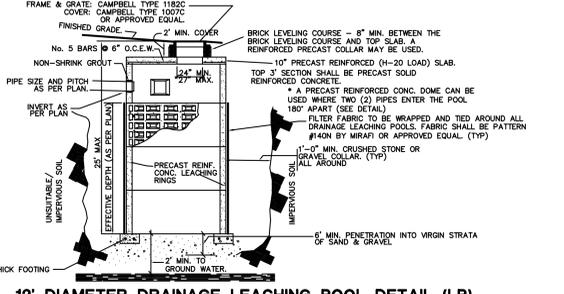


**CONCRETE SIDEWALK DETAIL**

- NOTES:
- CONTROL JOINTS ARE TO BE PLACED EVERY 4'-0" AND EXPANSION JOINTS SHALL BE LOCATED A MINIMUM 16' O.C.
  - SIDEWALK SHALL HAVE A COARSE BROOM FINISH
  - ALL CONCRETE SHALL BE 4,000 PSI @ 28 DAYS
  - CONCRETE SHALL MEET THE REQUIREMENTS OF THE NYS DOT STANDARD AND SPECIFICATIONS FOR ITEM 608.0101.

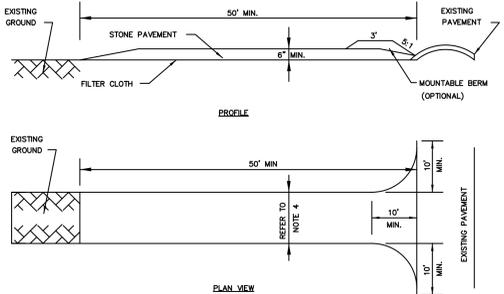


**ALTERNATE TOP DOME DETAIL**



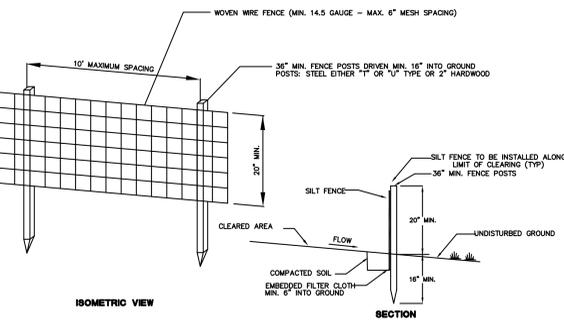
**12' DIAMETER DRAINAGE LEACHING POOL DETAIL (LP)**

- NOTES:
- ALL DRAINAGE PIPE SHALL HAVE 2' MIN. COVER.
  - UNDESIRABLE MATERIAL SHALL BE REMOVED UNDER LEACHING POOL UNTIL 6" MIN. PENETRATION INTO VIRGIN STRATA SAND AND GRAVEL AND BACKFILLED WITH SAND AND GRAVEL TO BOTTOM OF BASIN.
  - ALL PRECAST DRAINAGE STRUCTURES SHALL BE FURNISHED WITH PRECAST OPENINGS FOR DRAINAGE PIPE.



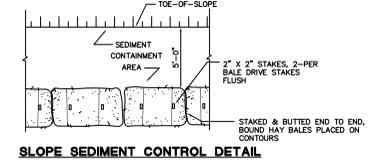
**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRANSPORT OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT TRANSPORTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

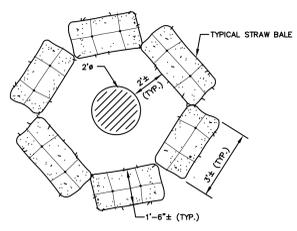


**SILT FENCE DETAIL**

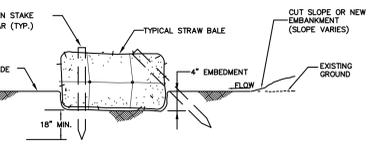
- NOTES:
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO (2) SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX (6) INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



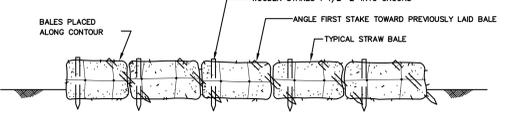
**SLOPE SEDIMENT CONTROL DETAIL**



**DRAINAGE INLET SEDIMENT CONTROL DETAIL**

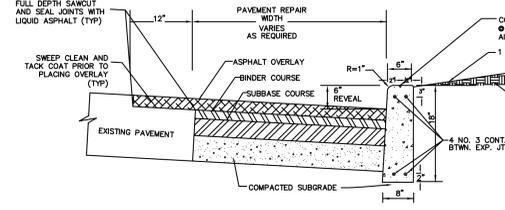


**EMBEDMENT DETAIL**



**ANCHORING DETAIL**

**STRAW BALE SEDIMENT CONTROL DETAILS**



**ON-SITE PAVEMENT AND CURB DETAIL**

- ASPHALT OVERLAY:
- 1 1/2" COMPACTED ASPHALT TOP COURSE, N.Y.S.D.O.T. TYPE 6 FRA BINDER COURSE.
  - 2 1/2" COMPACTED ASPHALT BINDER COURSE, N.Y.S.D.O.T. TYPE 3 RA SUBBASE COURSE.
  - 6" COMPACTED RCA SUBBASE COURSE, N.Y.S.D.O.T. TYPE 1011 MATERIAL "A"
- TACK COAT (PER ITEM 407.0101 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS) EMULSIFIED ASPHALT PLACED AT RATE OF BETWEEN 0.55 & 0.15 GALLONS PER SQ.FT. USE IF TOP PLACED MORE THAN SIX MONTHS AFTER BINDER INSTALLED. SURFACE TO BE CLEAN AND DRY AND INSPECTED BY A TOWN ENGINEERING INSPECTOR PRIOR TO PLACING TOP COURSE OR TACK COAT.
  - COMPACTED EXISTING GROUND IF SUITABLE. REMOVE ALL UNSUITABLE MATERIAL AND REPLACE WITH SUITABLE MATERIAL. ALL AS DIRECTED BY THE TOWN ENGINEER. COMPACTION UTILIZING OPTIMUM MOISTURE CONTENT TO AT LEAST PER STANDARD PROCTOR DENSITY. SUBMIT TEST RESULTS FROM ASTM D698 (MOISTURE) AND ASTM D2922 (DENSITY PER NUCLEAR METHODS) FOR REVIEW.
  - EXPANSION JOINTS SHALL BE 1/2" RIGID BUTL. MATERIAL & SHALL BE PLACED AT INTERVALS NOT GREATER THAN 12' O.C.

**DUST CONTROL NOTES**

**DEFINITION**

THE CONTROL OF DUST RESULTING FROM LAND-DISTURBING ACTIVITIES.

**PURPOSE**

TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS AND TRAFFIC SAFETY PROBLEMS.

**CONDITIONS WHERE PRACTICE APPLIES**

ON CONSTRUCTION ROADS, ACCESS POINTS AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING WHERE OFF-SITE DAMAGE MAY OCCUR IF DUST IS NOT CONTROLLED.

**DESIGN CRITERIA**

CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL. TEMPORARY MEASURES SHOULD BE INSTALLED. NO SPECIFIC DESIGN CRITERIA IS GIVEN; REFER TO CONSTRUCTION SPECIFICATIONS BELOW FOR COMMON METHODS OF DUST CONTROL.

**CONSTRUCTION SPECIFICATIONS**

VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL. TEMPORARY SEEDING SHALL BE AS FOLLOWS:

- RYE GRASS (ANNUAL OR PERENNIAL AT 30 POUNDS PER ACRE (0.7 LBS / 1,000 SF)
- CERTIFIED "ARODSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE (2.5 LBS / SF) USE WINTER RYE IF SEEDING IN OCTOBER OR NOVEMBER.
- MULCH, INCLUDING GRAVEL MULCH, OFFERS A FAST EFFECTIVE MEANS OF CONTROLLING DUST.

**SPRAY ADHESIVES - EXAMPLES OF SPRAY ADHESIVES FOR USE ON MINERAL SOILS ARE SHOWN IN THE FOLLOWING TABLE:**

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLICATION GALLONS PER ACRE
ACRYLIC POLYMER	5:1	COURSE SPRAY	500
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300

WATER QUALITY SHOULD BE CONSIDERED WHEN MATERIALS ARE SELECTED FOR DUST CONTROL.

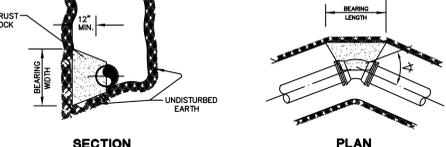
SPRINKLING - THE SITE MAY BE SPRAYED UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROADS.

THE USE OF STONE FOR CONSTRUCTION ROADS IS ALSO EFFECTIVE FOR DUST CONTROL.

BARRIERS - A FENCE OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AT INTERVALS EQUAL TO FIFTEEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

**MAINTENANCE**

MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.



**THRUST BLOCK DETAIL**

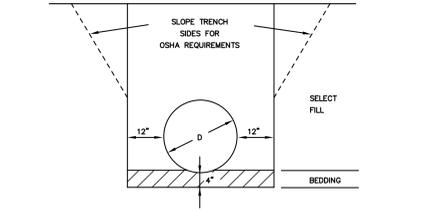
**MINIMUM THRUST BLOCKING BEARING AREAS**

PIPE DIAMETER	DEAD END OR TEES	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
3"	1.0	1.0	1.0	1.0	1.0
4"	1.0	1.5	1.0	1.0	1.0
6"	2.0	3.0	2.0	1.5	1.0
8"	4.0	5.5	3.0	1.5	1.0
10"	6.0	8.5	4.5	2.5	1.0
12"	9.0	12.0	6.5	3.5	1.5
14"	15.0	22.0	12.0	6.0	2.0
16"	15.0	22.0	12.0	6.0	3.0
18"	15.0	22.0	12.0	6.0	4.0

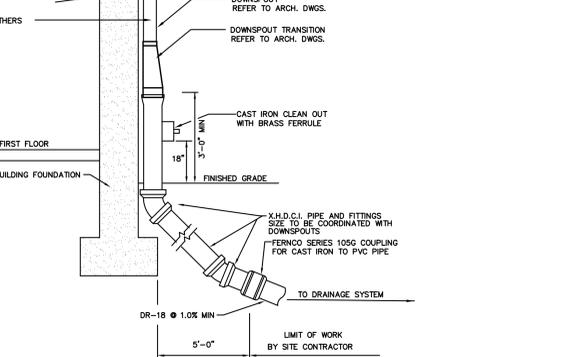
BEARING AREA = BEARING WIDTH x BEARING LENGTH

**THRUST BLOCK DETAIL**

- NOTES:
- THRUST BLOCKS TO BEAR ON UNDISTURBED SOIL.
  - ALL CONCRETE SHALL BE 2,000 PSI AT 28 DAYS AND HAVE THE FOLLOWING BEARING AREAS BASED ON THE ANGLE OF THE PIPE.

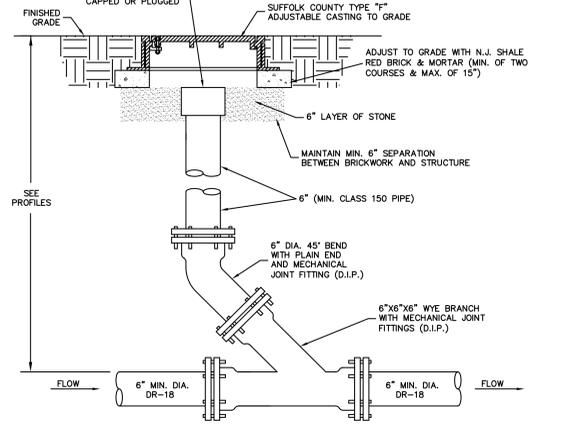


**PIPE TRENCH AND BEDDING DETAILS**



**DOWNSPOUT CONNECTION DETAIL**

- NOTES:
- CONTRACTOR SHALL COORDINATE DOWNSPOUT SIZE



**TYPICAL GRAVITY HOUSE CONNECTION NON-PAVED AREA CLEAN-OUT DETAIL**

No.	REVISION DESCRIPTION	DATE	BY
1.	REVISED PER CLIENTS COMMENTS	9/14/09	AM

OWNER: LAMPFIELD BARRIOS ASSOCIATES  
300 CROSBY PARK DRIVE  
WOODBURY, NY 11797

APPLICANT: ATRIA SENIOR LIVING GROUP  
401 SOUTH FORTY STREET, SUITE 1000  
LOVELL, NY 14002

**AMENDED SITE DEVELOPMENT PLANS**

**CONSTRUCTION DETAILS**

**ATRIA SENIOR LIVING**

SITUATED AT  
**10 CHESHIRE PLACE IN EAST NORTHPORT**  
TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK  
SOUTH DISTRICT 0400, SECTION 19, BLOCK 02, LOT 04

**RMS ENGINEERING**  
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