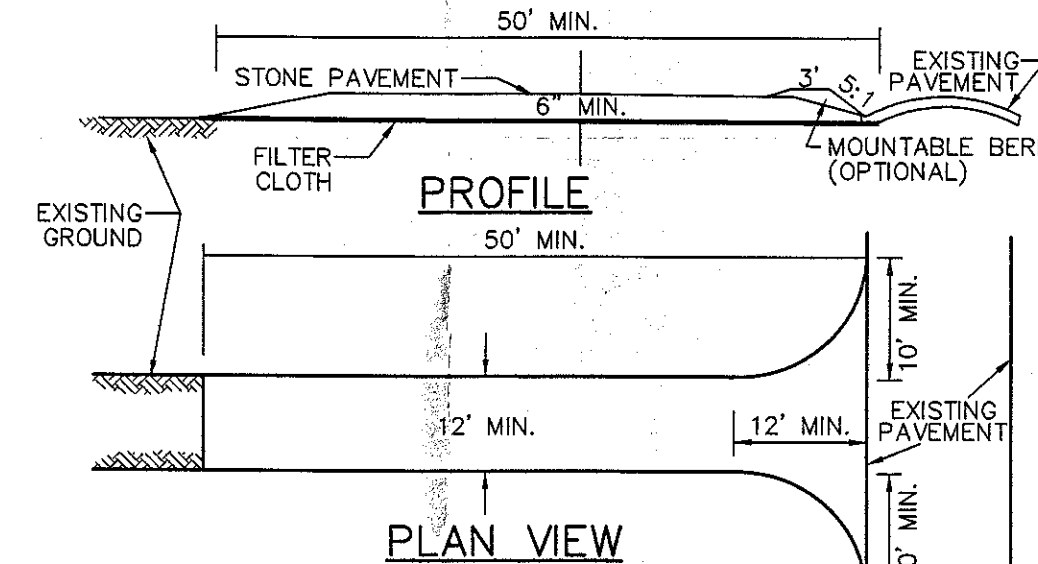


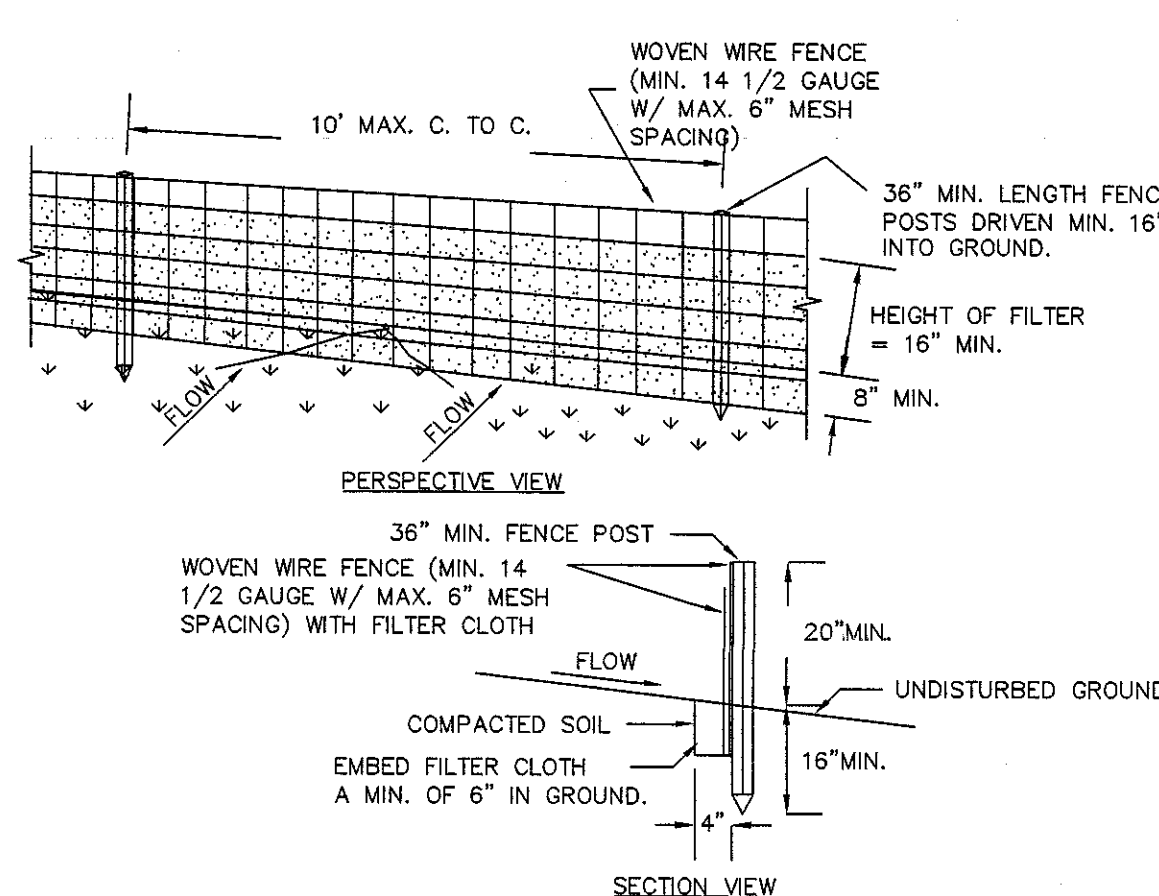
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2
3. SILT FENCE SHALL BE PLACED 5-FEET DOWNSLOPE OF EACH PILE. UPON COMPLETION OF SOIL STOCKPILING, TOPSOIL SHALL BE STABILIZED WITH SEED AND MULCH IF NOT TO BE DISTURBED/UTILIZED WITHIN 14 DAYS.
4. SEE ADDITIONAL DETAILS FOR INSTALLATION OF SILT FENCE.
5. TEMPORARY PERIMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STOCKPILE AREAS. REFER TO EROSION AND SEDIMENT CONTROL PLAN.

## SOIL STOCKPILE STABILIZATION



1. STONE SIZE - USE 1-4 INCH STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE 4. INGRESS OR EGRESS OCCURS. 24 FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL EVENT.

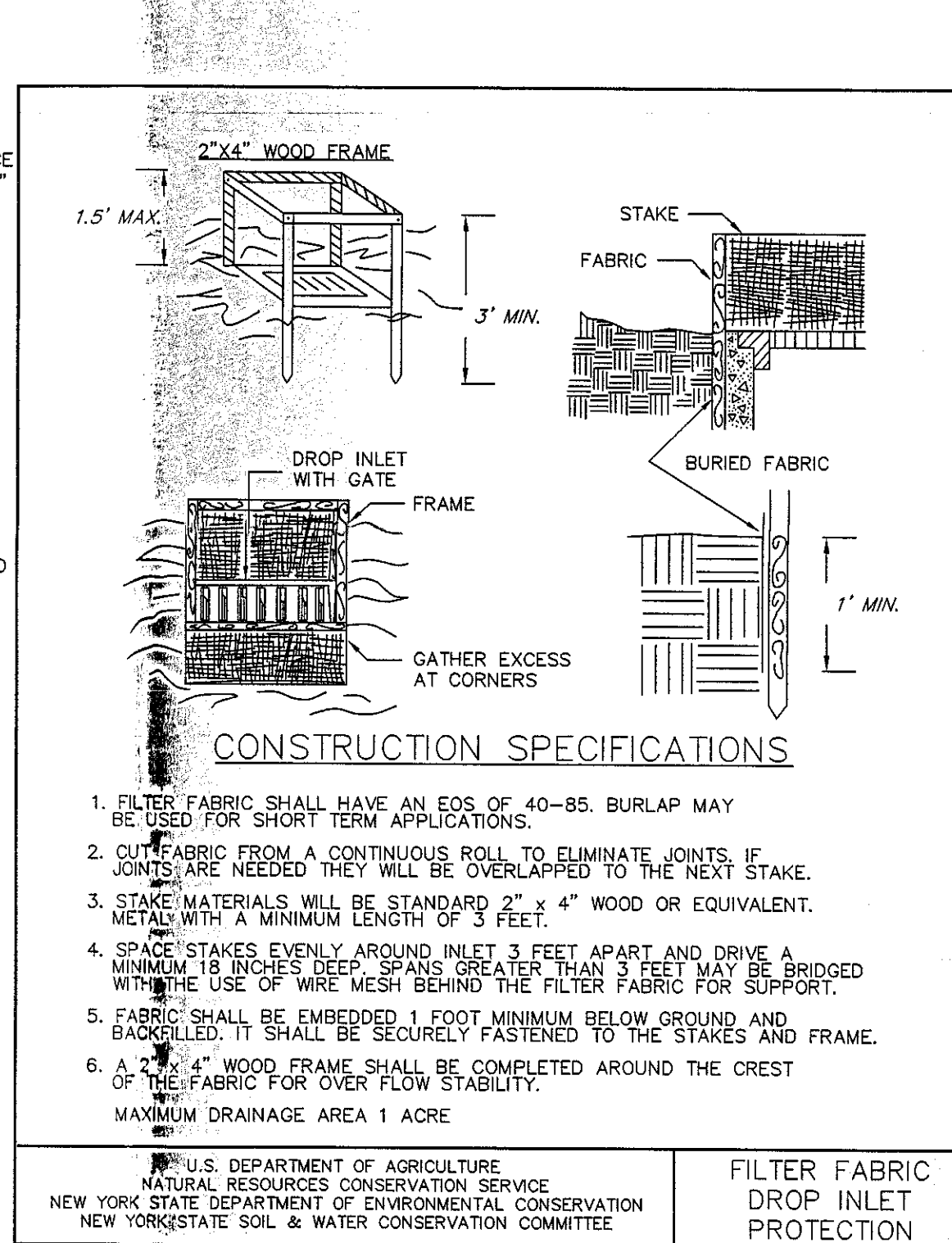
## STABILIZED CONSTRUCTION ENTRANCE



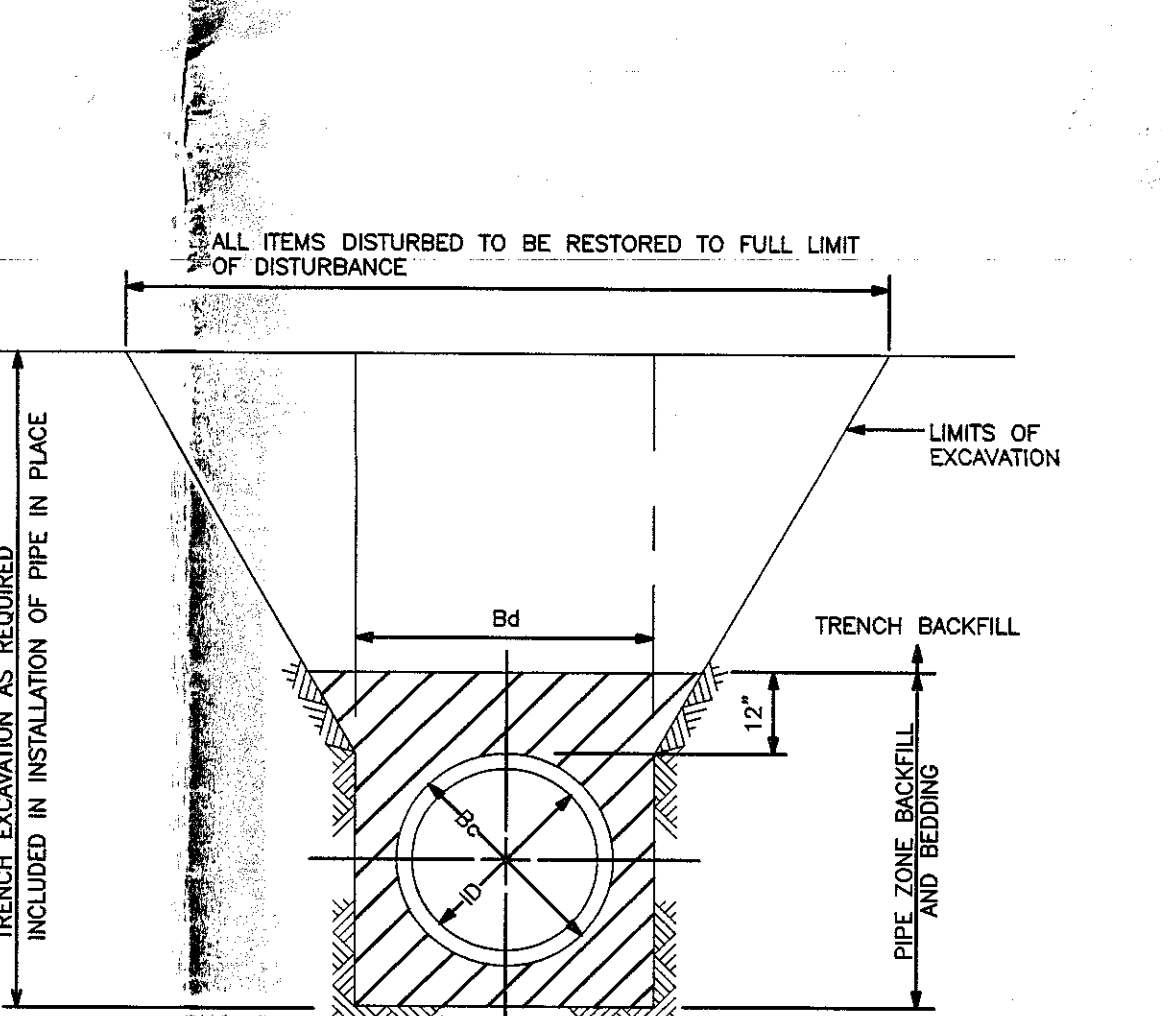
## CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAF, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

## SILT FENCE



U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE



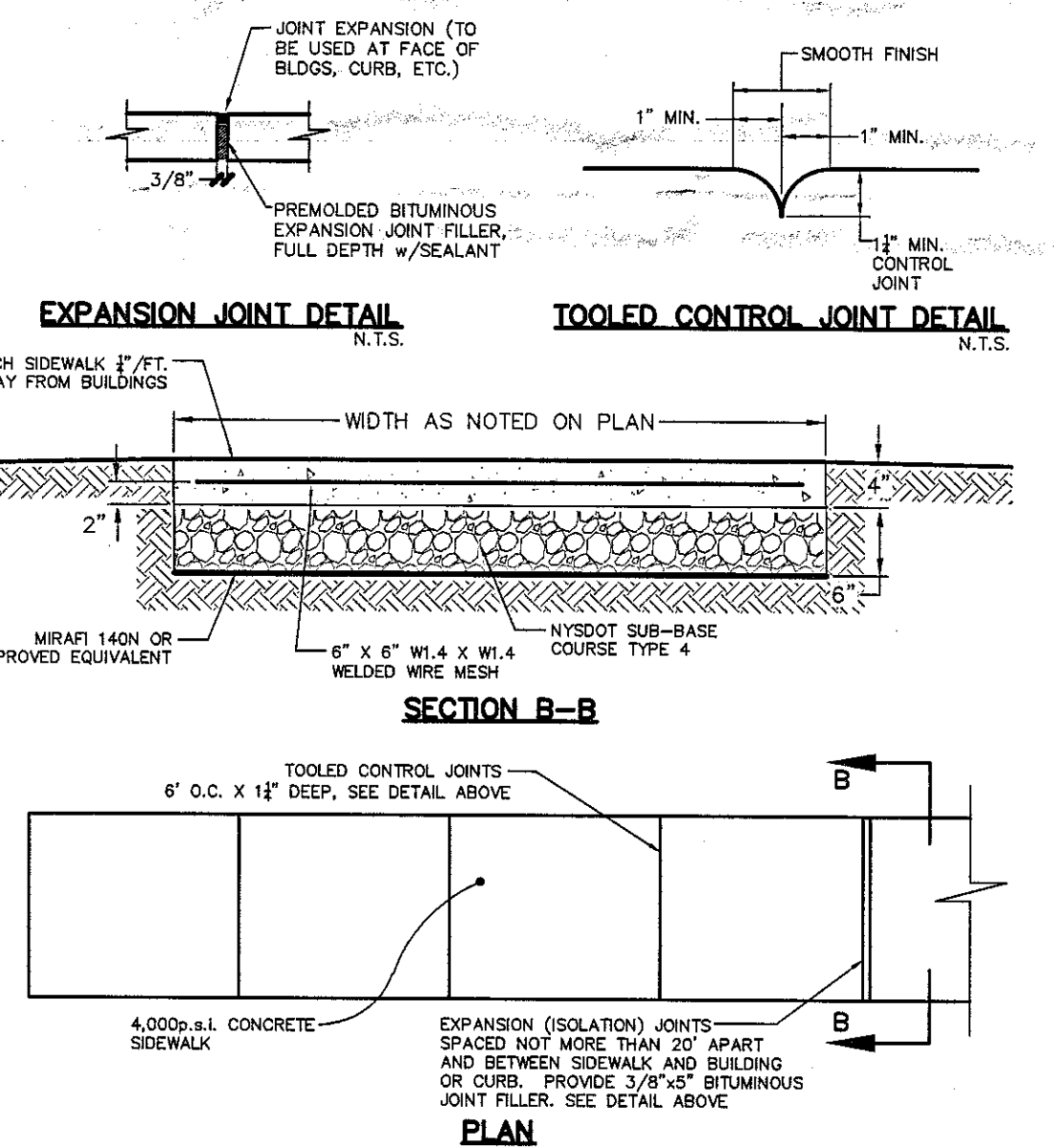
1. COMPACTED PIPE ZONE BACKFILL AND BEDDING TO BE GRANULAR BEDDING PER SPECIFICATIONS OR A.O.B.E.
2. TRENCH BACKFILL TO BE SET IN LAWN OR NON-SURFACED AREAS. TYPE 4 GRAVEL FOR PAVEMENTS AND HARDSCAPE AREAS.
3. ALL EXCAVATION AND TRENCHING SHALL COMPLY WITH OSHA REQUIREMENTS AND ALL STATE AND LOCAL SAFETY REGULATIONS.

## TYPICAL TRENCH DETAIL

## EROSION & SEDIMENT CONTROL PLAN NOTES:

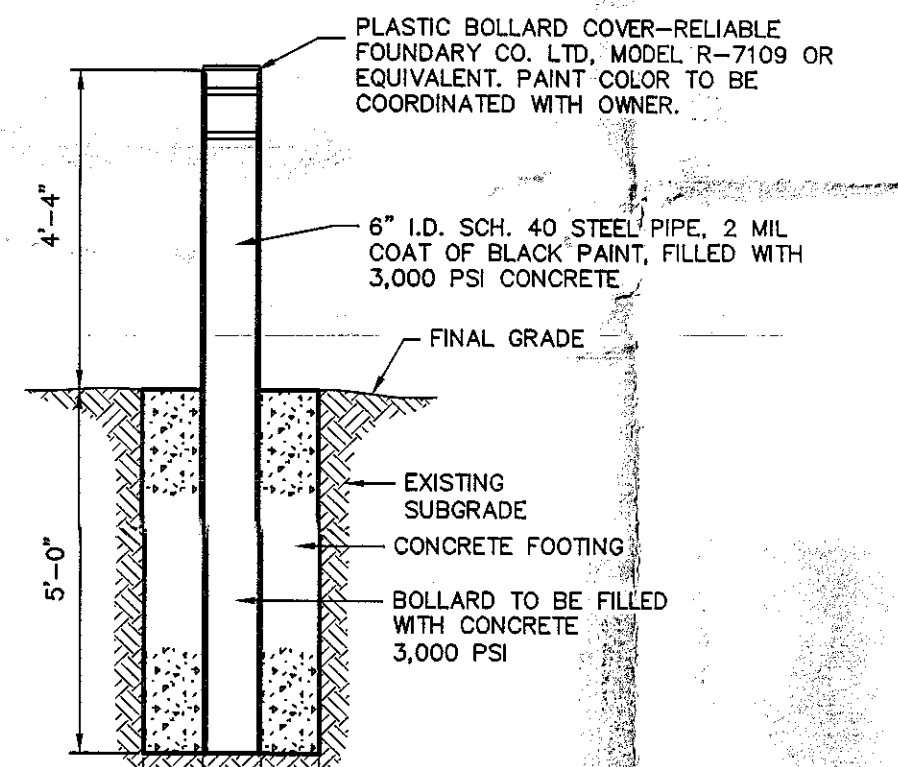
1. EROSION CONTROLS SHALL BE AS SHOWN ON THE OVERALL/EROSION CONTROL PLAN.
2. ALL PROPOSED EROSION CONTROLS SHALL BE INSTALLED PRIOR TO BEGINNING OF CONSTRUCTION. FINAL LOCATION AND CONSTRUCTION SHALL BE REVIEWED BY THE ENGINEER.
3. STAKEOUT OF ALL PROPOSED EROSION CONTROLS SHALL BE DONE BY A NEW YORK STATE LICENSED PROFESSIONAL SURVEYOR.
4. REMOVE EROSION CONTROLS ONLY UNDER THE AUTHORIZATION OF THE ENGINEER.
5. CONTRACTOR MUST PROTECT ALL SURFACE WATERS FROM SILTATION DURING CONSTRUCTION WITH APPROPRIATE MEASURES INCLUDING, BUT NOT LIMITED TO, PLACING STRAW BALES AND SILT FENCING AROUND WORK.
6. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE REQUIRED, BASED ON FIELD CONDITIONS, DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
7. EROSION AND SEDIMENT METHODS SHALL COMPLY WITH "THE NEW YORK CONTROL" LATEST EDITION.
8. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAINFALL EVENT. THE CONTRACTOR SHALL REPAIR THE EROSION AND SEDIMENT CONTROL DEVICES AS NECESSARY AND AS DIRECTED BY THE ENGINEER.
9. ALL TEMPORARY EXPOSED FACES OF EARTH CUTS AND FILLS SHALL BE VEGETATED OR PROTECTED FROM EROSION IMMEDIATELY UPON COMPLETION OF EARTHWORK OR IF WORK IN THESE AREAS IS TO BE SUSPENDED FOR FOURTEEN (14) DAYS. PROVISIONS SHALL BE MADE IN ORDER TO MINIMIZE THE AREA TO BE DISTURBED AND TO PREVENT THE CONCENTRATION OF STORM WATER RUNOFF AND EROSION OF DISTURBED EARTH SLOPES.
10. UPON COMPLETION OF GRADING OPERATIONS THE DISTURBED AREAS SHALL BE STABILIZED BY THE FOLLOWING METHODS: DEPENDING UPON THE CLASSIFICATION OF THE AREA AS EITHER TO RECEIVE PERMANENT OR TEMPORARY SEEDING:
  - SEED BED PREPARATION: IF AREAS ARE DEEMED AS REQUIRING TOPSOIL THEN APPLY TOPSOIL TO A UNIFORM MINIMUM DEPTH OF FOUR INCHES (4"). TOPSOIL SHALL BE FRAGILE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS, AND STONES, AND CONTAIN NO TOXIC MATERIALS. IF TOPSOIL IS DEEMED UNNECESSARY THEN PREPARE SEED BED BY SCARIFYING COMPACTED AREAS AND REMOVING DEBRIS, ROCKS, AND STUMPS. SEEDBED SHALL RECEIVE THE FOLLOWING SOIL AMENDMENTS:
    - 10.1. LIME TO A PH OF 6.0
    - 10.2. FERTILIZE WITH 600 LBS OF 5-10-10 OR EQUIVALENT PER ACRE (14 LBS/1000 SQ. FT.) THE SOIL AMENDMENTS SHALL BE WORKED INTO THE SEED BED WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT.

11. IF STABILIZATION BY SEEDING CANNOT OCCUR DURING THE RECOMMENDED SEEDING PERIODS, TOPSOIL, FILL AND EXCAVATED MATERIALS AREAS SHALL BE TEMPORARILY STABILIZED WITH ANCHORED MULCH UNTIL SUCH TIME AS EFFECTIVE SEEDING CAN OCCUR.
12. STOCKPILE MATERIALS SHALL NOT BE LOCATED WITHIN TWENTY-FIVE FEET (25') OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.
13. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS SHALL BE SEED AND/OR MULCHED IMMEDIATELY.
14. GRADING DISTURBANCE IS LIMITED TO A MAXIMUM OF FIVE (5) ACRES. IF A GREATER DISTURBANCE IS REQUIRED, THE CONTRACTOR SHALL SUBMIT A GRADING DISTURBANCE PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. AT A MINIMUM, B-WEEKLY INSPECTIONS BY THE ENGINEER SHALL BE REQUIRED IF THE FIVE (5) ACRE MINIMUM IS EXCEEDED.

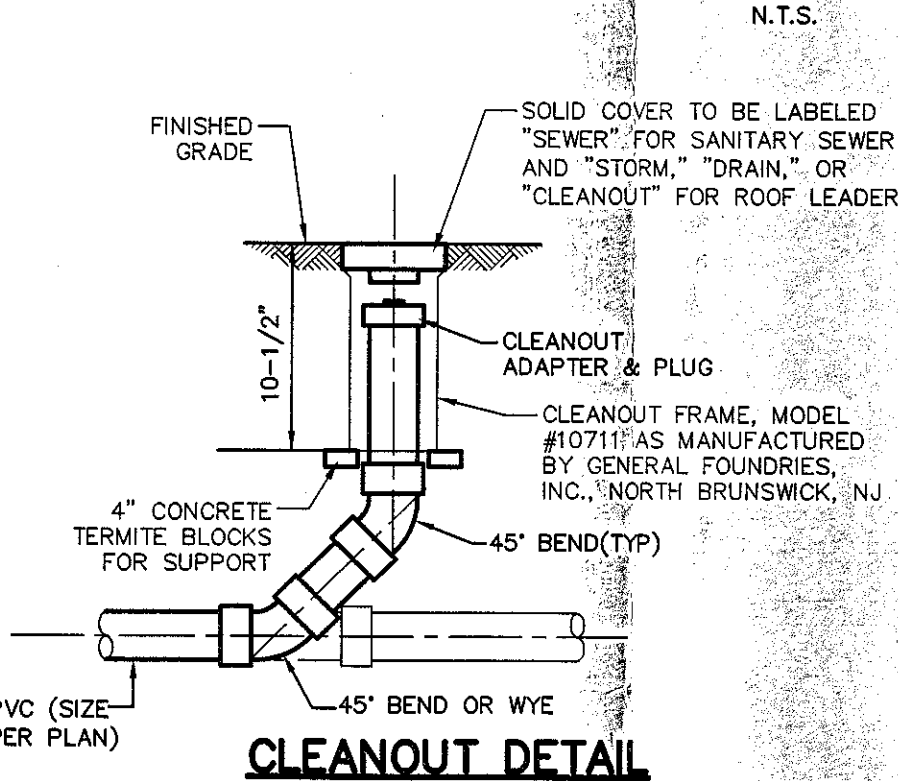


## TYPICAL CONCRETE SIDEWALK

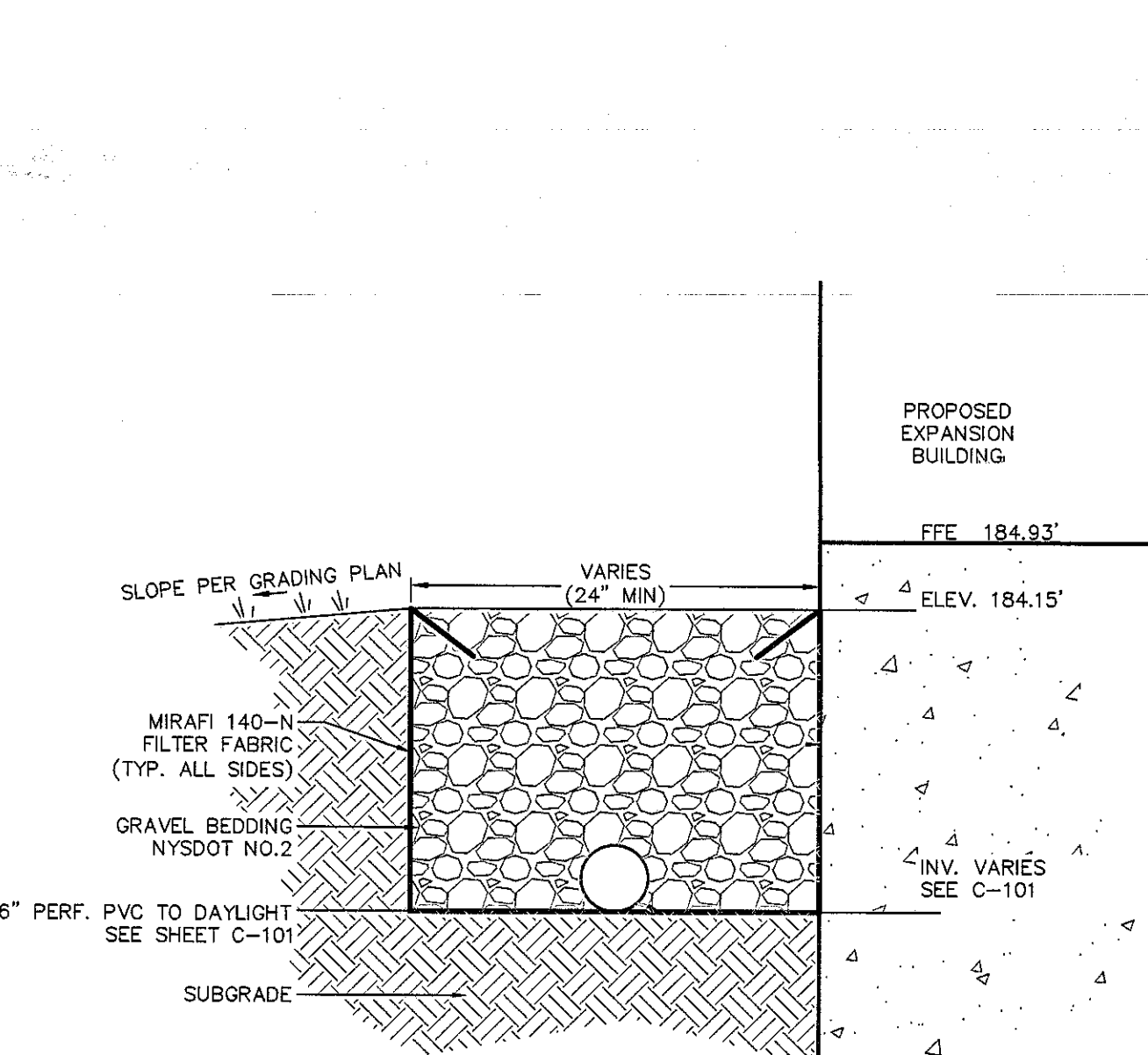
1. FINISH CONCRETE EDGES WITH 1/4" RADIUS EDGING TOOL.
2. MAGNESIUM FLOAT FINISH CONCRETE PERPENDICULAR TO DIRECTION OF TRAVEL TO PRODUCE UNIFORM SURFACE.



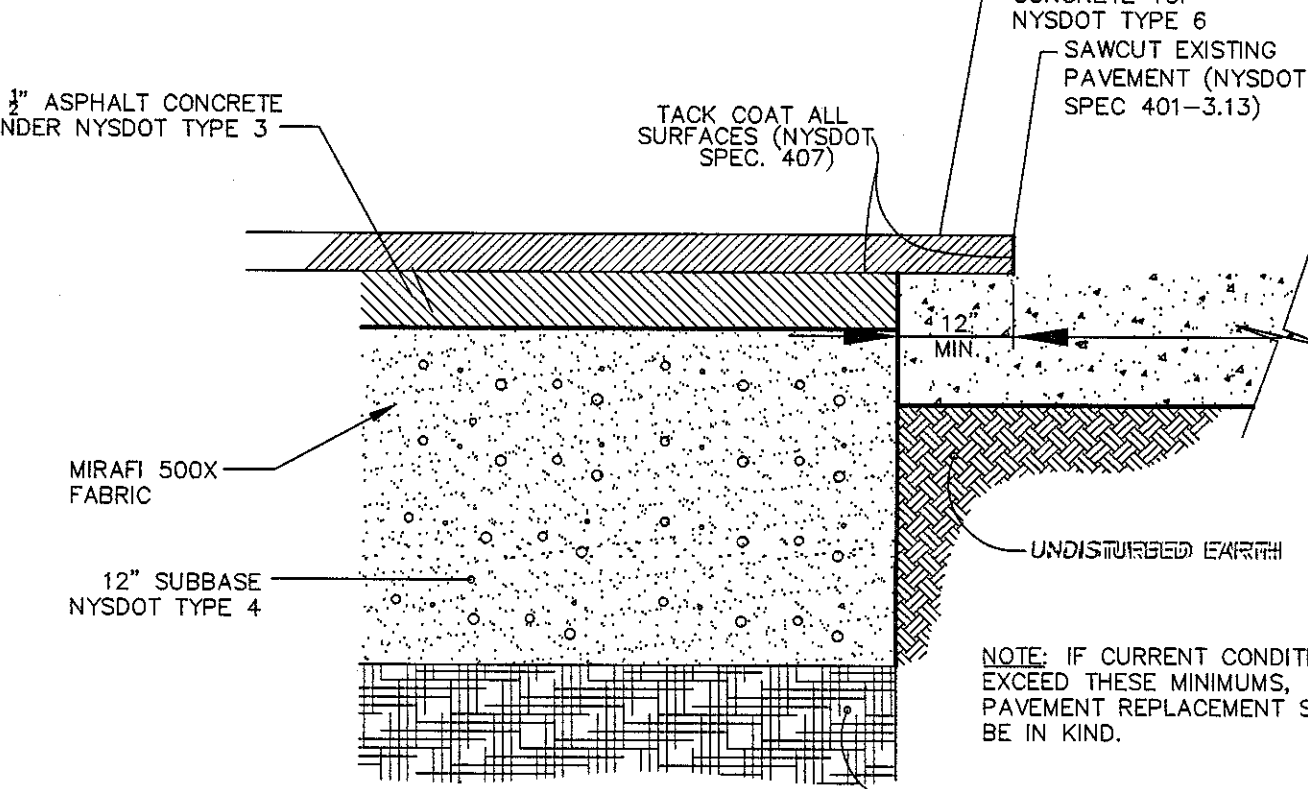
## STEEL AND CONCRETE BOLLARD



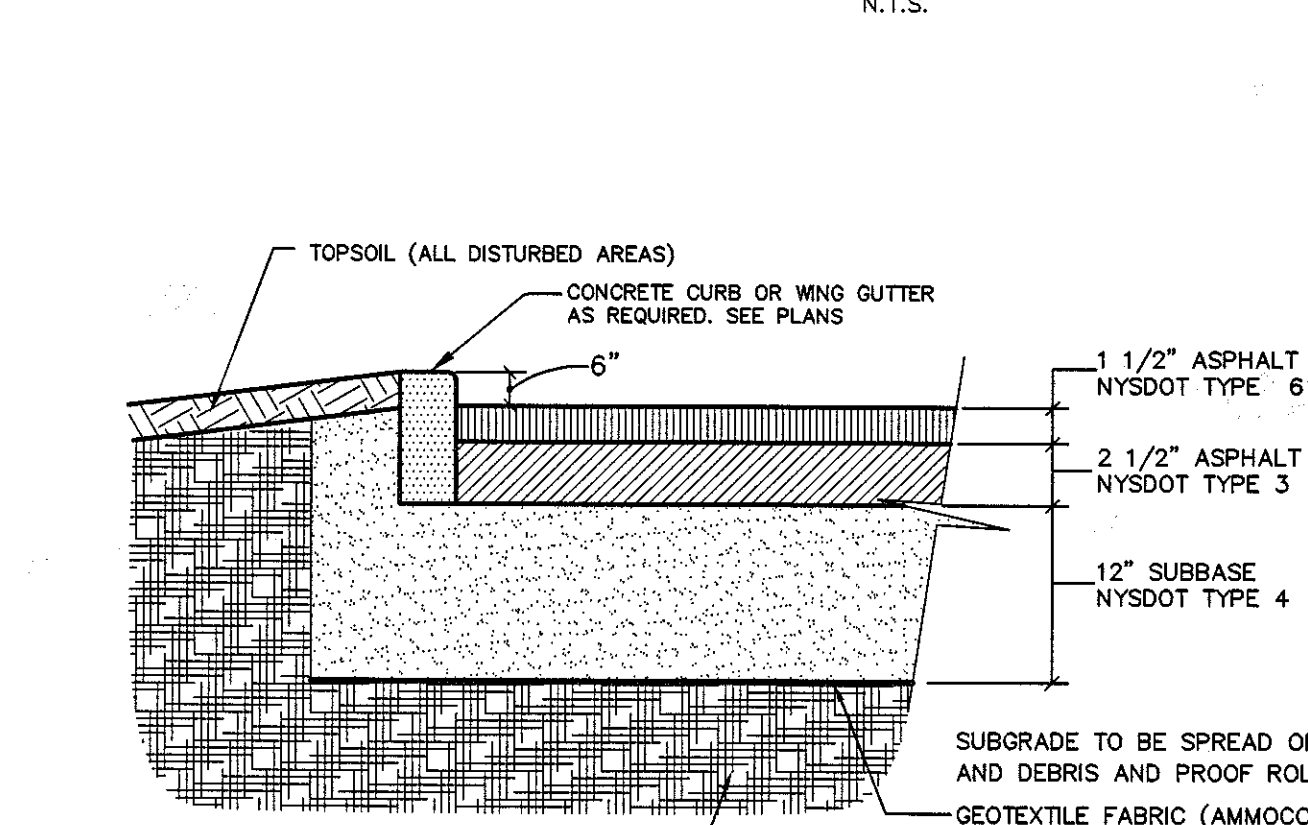
## CLEANOUT DETAIL



## DRAINAGE SWALE

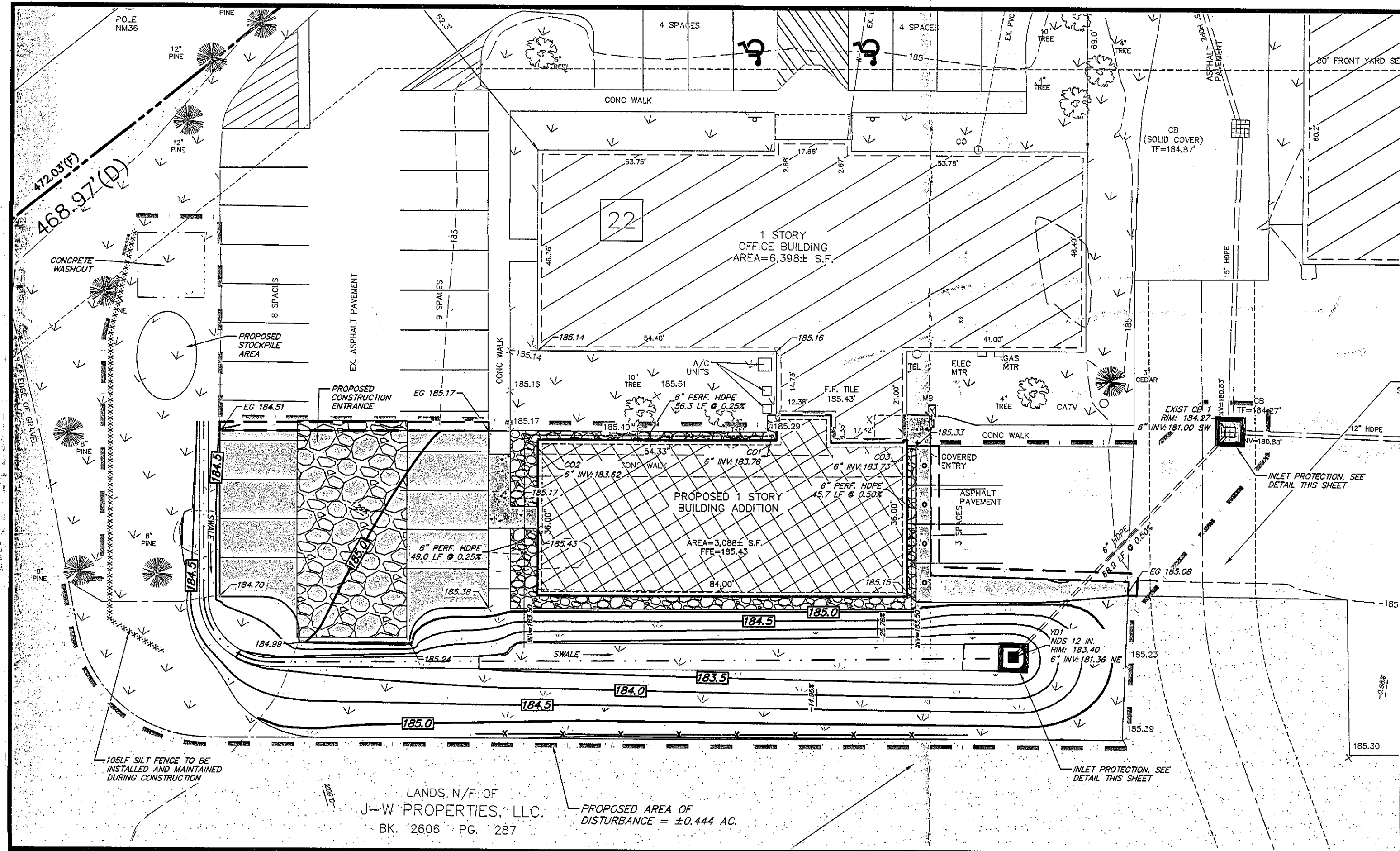


## PAVEMENT RESTORATION



## TYPICAL ASPHALT PAVEMENT SECTION (ON SITE)

- NOTE: 1. SUBBASE TO BE COMPACTED MINIMUM OF 95% DENSITY ASTM D 1557.
2. ASPHALT PAVEMENT TOP INSTALLATION SHALL INCLUDE THE PROPER PREPARATION OF THE ASPHALT BINDER SURFACE, INCLUDING POWER SWEEPING AND APPLICATION OF AN ASPHALT TACK COAT, IF ASPHALT TOP IS NOT CONSTRUCTED AT THE SAME TIME THAT THE ASPHALT BINDER IS INSTALLED.



## EROSION CONTROL PLAN

SCALE: 1" = 20'

TOWN OF BETHLEHEM, NEW YORK  
PLANNING DEPT. ORIGINAL  
SCANNED -

LEGEND PROPOSED	
[Symbol]	STORM SEWER
[Symbol]	SILT FENCE
[Symbol]	GREEN SPACE/LAWN
[Symbol]	INDEX CONTOUR
[Symbol]	CONTOUR
[Symbol]	SPOT ELEVATION
[Symbol]	INLET PROTECTION
[Symbol]	FENCING
[Symbol]	STONE/CONSTRUCTION ENTRANCE
[Symbol]	ASPHALT COVER
[Symbol]	GRAVEL

PLANNING BOARD  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NEW YORK  
By direction of the Chairman  
These drawings are hereby approved.  
(see sheets) C-101  
for date and signature.

TOWN OF BETHLEHEM

SITE PLAN FOR  
J-W PROPERTIES, LLC.  
OFFICE BUILDING EXPANSION AT 22 HAMILTON LANE, GLENMONT, NY

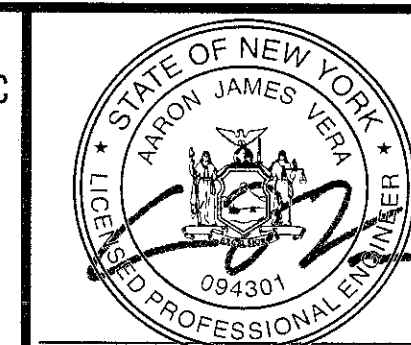
## NOTES AND DETAILS

22 HAMILTON LANE  
COUNTY OF ALBANY

SHEET NUMBER	
C-501	2 OF 2
REV. NO.	DWG. NO.
C	1

Rev.	Date	Description	By
0	06/24/2016	REVISIONS PER TOWN APPROVAL CONDITIONS	AJV
1	07/22/2016	RESPONSE TO TOWN OF BETHLEHEM COMMENTS	AJV
2	03/14/2016	INITIAL SUBMISSION TO THE TOWN OF BETHLEHEM	KK

L. SIPPERLY & ASSOCIATES, PLLC.  
ENGINEERS \* SURVEYORS \* LAND PLANNERS  
606 TROY SCHENECTADY ROAD  
LATHAM, NEW YORK 12110  
PHONE (518) 782-1800 FAX: (518) 782-1252



DESIGNED BY: DAH  
DRAWN BY: DAH  
CHECKED BY: AJV  
APPROVED BY: AJV  
SCALE: AS SHOWN  
DATE: 03-14-2016

APPLICANT:  
J-W PROPERTIES, LLC  
22 HAMILTON LANE  
GLENMONT, NY 12077  
CONTACT: CHRIS DISTEFANO