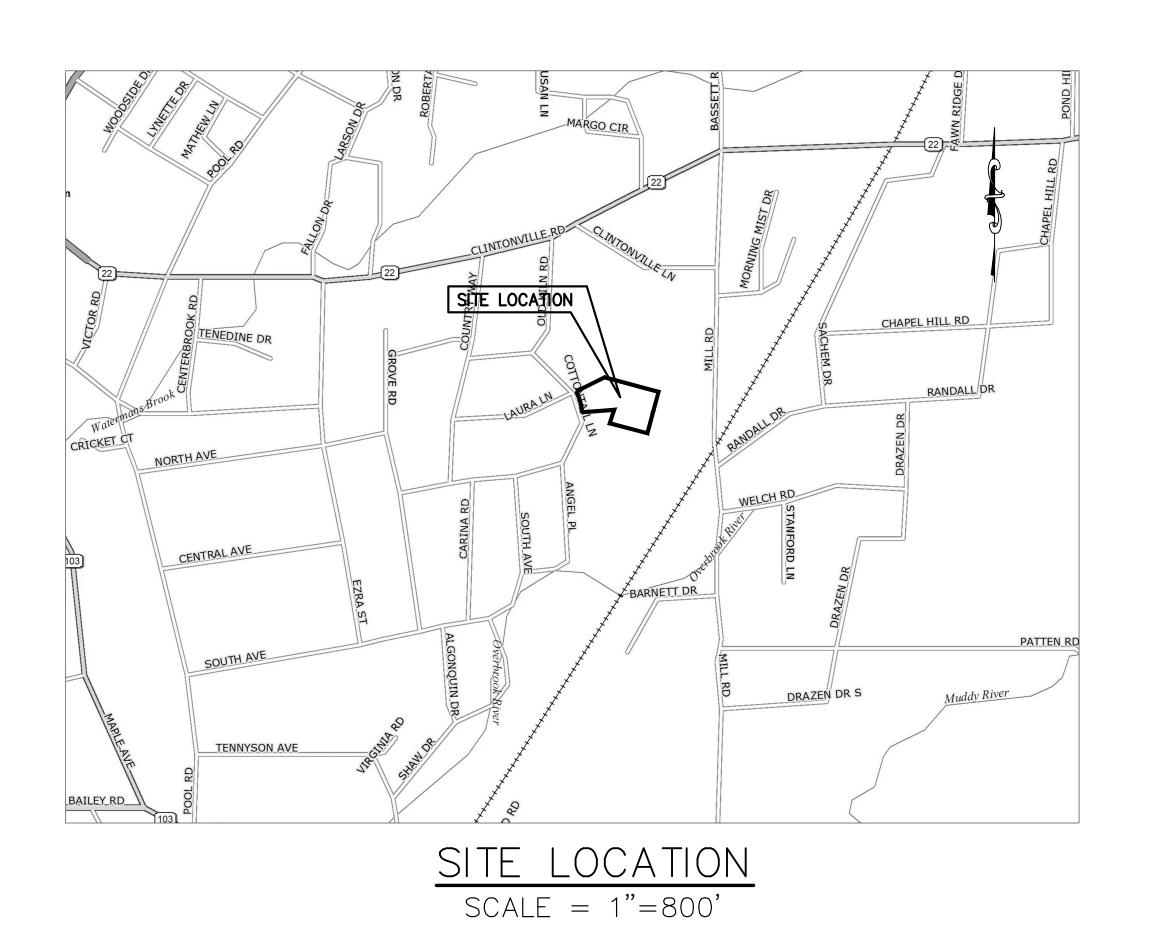
# BRUDZ SUBDIVISION SUNDOWN PLACE 15 COTTONTAIL LANE NORTH HAVEN, CONNECTICUT

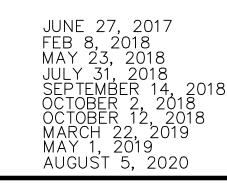


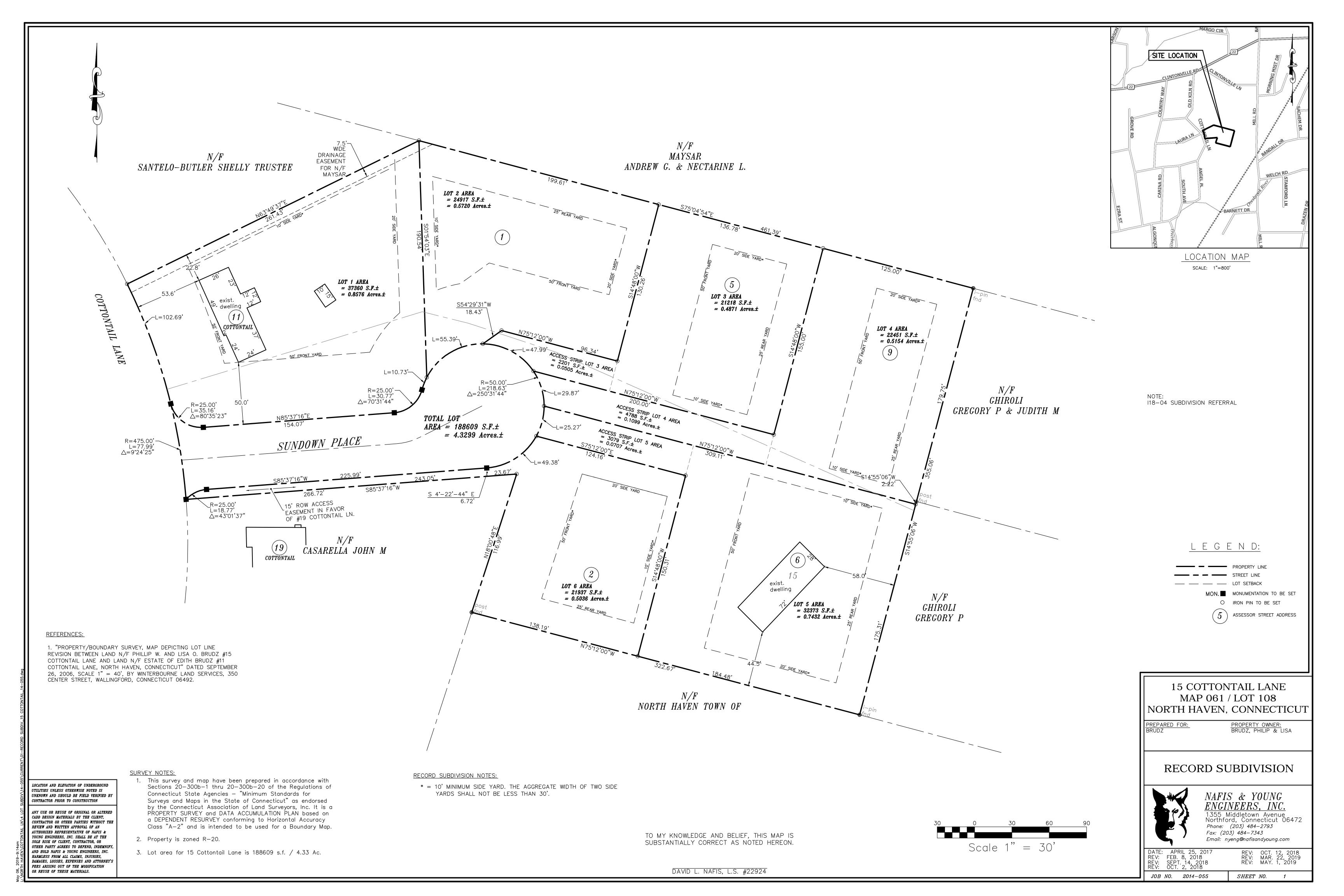
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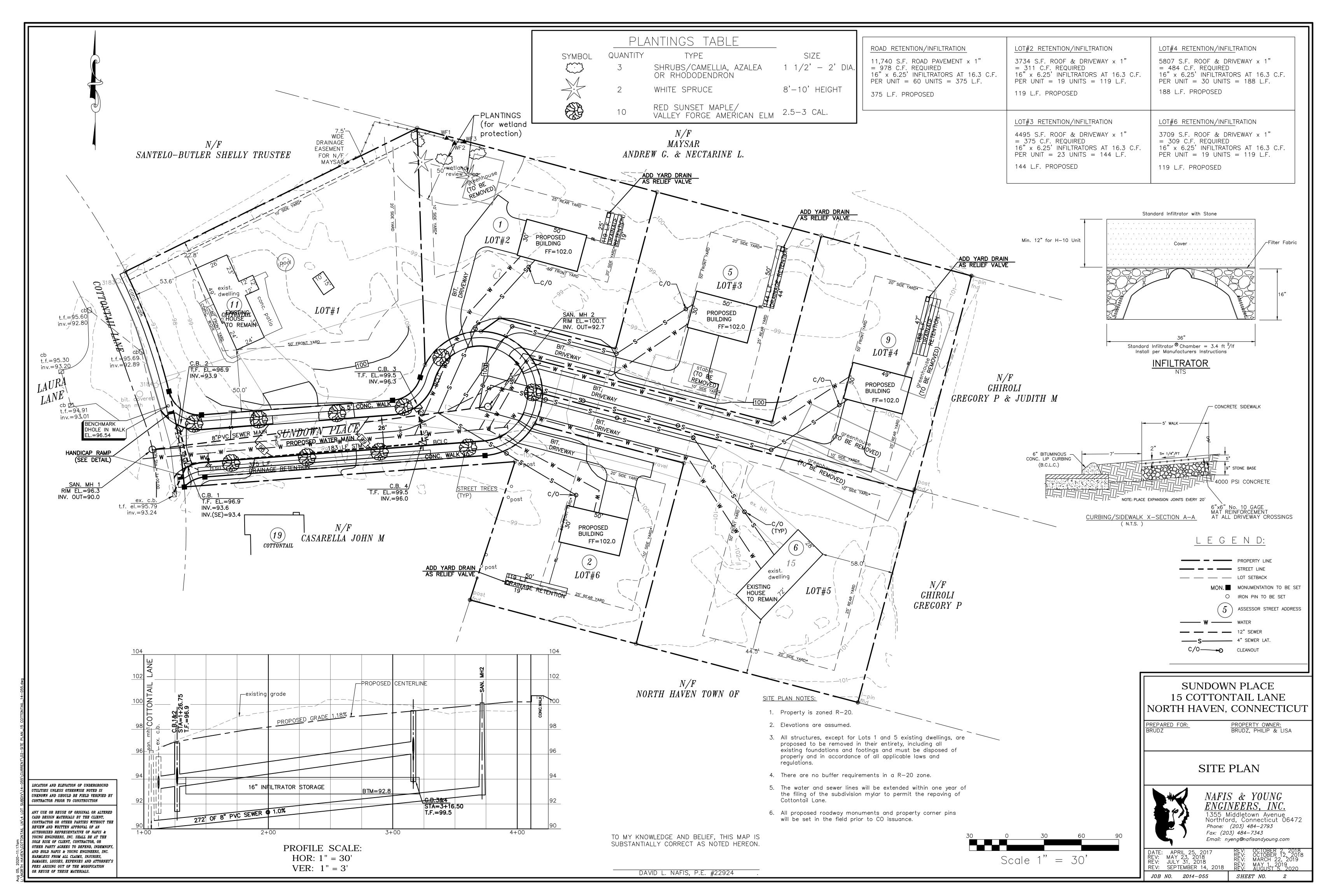
SHEET NO.	DESCRIPTION
0	TITLE SHEET
1	RECORD MAP
2	SITE PLAN
3	EROSION CONTROL
4	EROSION CONTROL DETAILS
5	SITE DETAILS 1
6	SITE DETAILS 2
7	PED RAMP DETAILS

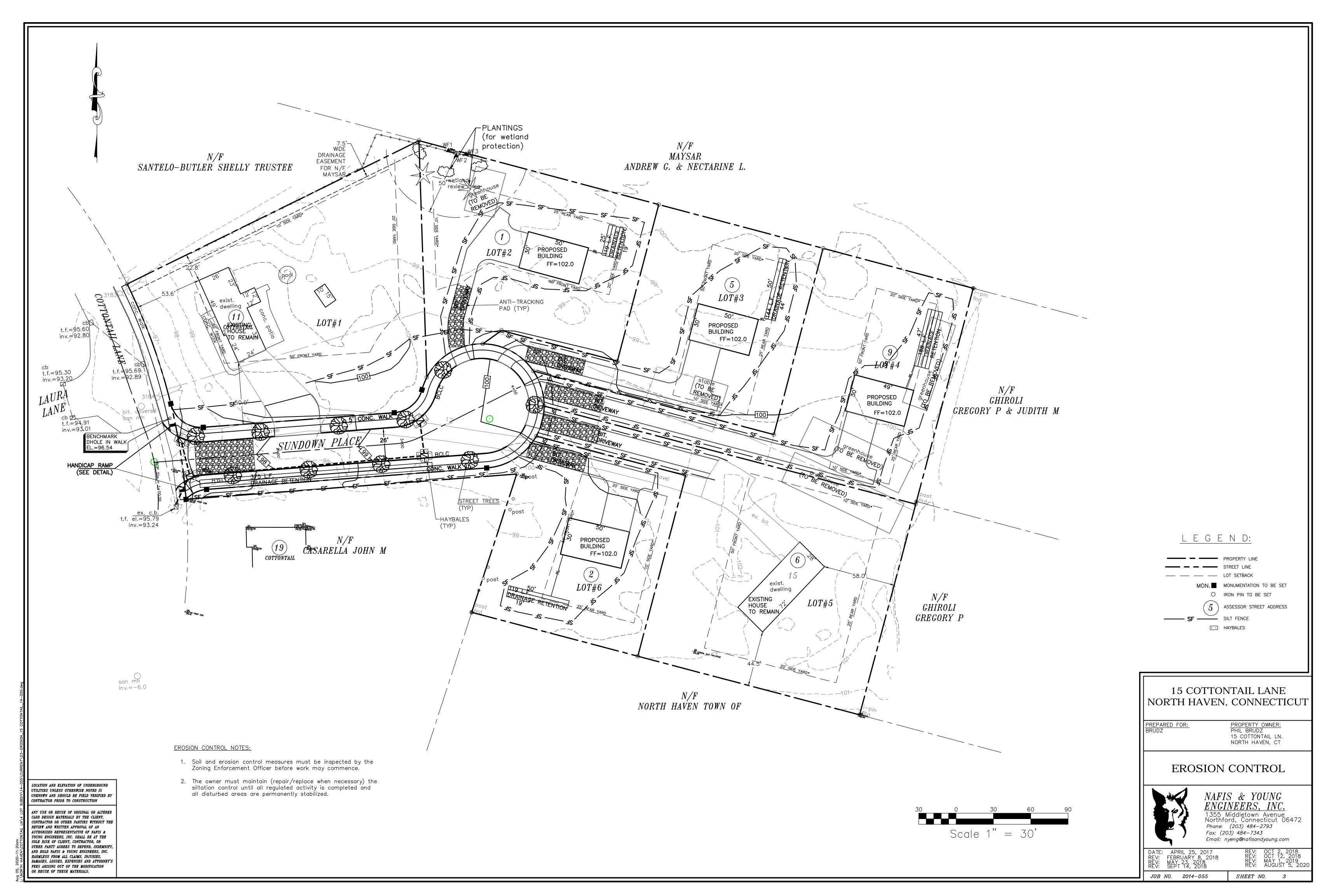


#P18-31 SUBDIVISION APPROVAL









AS A PRECAUTIONARY MEASURE THE CONTRACTOR SHALL AT ALL TIMES KEEP AT LEAST TWO ONE HUNDRED FOOT ROLLS OF SEDIMENTATION FENCE & 20 HAYBALES STOCKPILED ON SITE WHICH SHALL BE AVAILABLE FOR UNFORSEEN EROSION OR SEDIMENT CONTROL PROBLEMS SHOULD ANY ARISE. THE CONTRACTOR SHALL IMMEDIATELY INSTALL THE SEDIMENT FENCE DOWN SLOPE SO AS TO CONTAIN ANY AFTER CONSULTATION WITH THE ZONING/WETLANDS ENFORCEMENT OFFICER SHALL THEN INSTRUCT THE CONTRACTOR AS TO WHAT ADDITIONAL MEASURES ARE DEEMED NECESSARY.

### C. GENERAL GUIDELINES-EROSION CONTROL

- 1. OTHER THAN CONTRUCTION SPECIFICALLY SHOWN ON THESE APPROVEL DIFIER THAN CONTROL TION SPECIFICALLY SHOWN ON THESE APPROVED WETLAND PLANS, NO ACTIVITIES SHALL BE CONDUCTED WITHIN DESIGNATED WETLAND AREAS, WATERCOURSES, FLOOD PLAINS OR WITHIN CHANNEL ENCROACHMENT LINES WITHOUT THE PRIOR APPROVAL OF THE PLANNING AND ZONING COMMISSION AND INLAND WETLANDS COMMISSION.
- 2. WHEREVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PRO-
- 3. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.
- 4. PRIOR TO THE START OF CONSTRUCTION, TEMPORARY BALED HAY EROSION CHECKS, SEDIMENTATION FENCES AND OTHER APPROVED SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WHERE SHOWN ON THESE PLANS AND AT OTHER CONTROLS WAS AND AT OTHER CONTROLS OF THE PROPERTY OF T
- 5. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE PERIOD OF EXPOSURE SHALL BE KEPT TO A MINIMUM, INSTALLING PERMANENT AND FINAL VEGETAT— ION, STRUCTURES, ETC. AT THE EARLIEST POSSIBLE OPPORTUNITY.
- 6. CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES, CULVERTS OR OTHER APPROVED MEANS. 7. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED REGULARLY IN PROPER FUNCTIONING CONDITION, UNTIL ALL AREAS EXPOSED DURNG SITE CONSTRUCTION HAVE BEEN SUITABLY TABILIZED WITH PAVEMENT, PERMANENT STRUCTURES AND/OR FINAL
- 8. CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2:1 UNLESS STABIL— IZED BY A GEOTEXTILE MAT.
- 9. ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF
- 10. FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSON OF THE SOIL.

- TO INTERCEPT AND RETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED OR UNPROTECTED AREAS OF LIMITED EXTENT. 2. MATERIALS AND INSTALLATION
- SEDIMENT BARRIERS MAY CONSIST OF FILTER FENCE OR STRAW OR HAY BALES, STONE BERMS, OR OTHER FILTER MATERIALS. PLANNED LIFESPAN OF SEDIMENT BARRIERS VARIES. STRAW OR HAY BALES SHOULD ONLY BE USED AS A TEMPORARY BARRIER FOR NO LONGER THAN 60 DAYS. SYNTHETIC FILTER FENCES CAN BE USED FOR 60 DAYS OR LONGER DEPENDING ON ULTRAVIOLET STABILITY AND MANUFACTURER'S RECOMMENDATIONS. STONE BARRIERS CAN BE USED FOR LONGER PERIODS OF TIME.

### A. STRAW/HAY BALES

- 1. SHEET FLOW APPLICATIONS
- a. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER
- b. ALL BALES SHALL BE EITHER WIRE—BOUND OR STRING—TIED. BALES SHALL BE INSTALLED SO THAT BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES TO PREVENT DETERIORATION OF THE BINDINGS.
- A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER, BACKFILL SOIL SHA AND SHALL BE BUILT UP TO 4 INCHES AGAINST TH
- d. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER, STAKES OR REBARS SHALL BE DRIVED DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR
- e. THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES. (LOOSE STRAW ESCATION DE MEEN THE BALES. (LOOSE STAN)
  SCATTERED OVER THE AREA IMMEDIATELY UPHILL
  FROM A STRAW BALE BARRIER TENDS TO INCREASE BARRIER EFFICIENCY.) IN SLOPING AREAS WHERE SURFACE FLOW FOLLOWS THE BALE LINE, PERPENDICULAR BALE CHECKS SHALL BE INSTALLED AT APPROPRIATE INTERVALS (100 FEET
- f. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- g. BALE BARRIERS SHALL BE REMOVED WHEN THEY HAVE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

## 2. CHANNEL FLOW APPLICATIONS

- a. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR. WITH ENDS OF ADJACENT BALES TIGHTLY
- b. THE REMAINING STEPS FOR INSTALLING A BALE PARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE FOLLOWING ADDITION.
- c. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT

### 3. <u>MAINTENANCE</u>

- a. INSPECTION SHALL BE MADE AFTER EACH STORM EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTL)
- b. CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE BALES IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED IN WITH SEDIMENT.

### B. FILTER FENCES 1. <u>MATERIALS</u>

a. SYNTHETIC FIBER FILTER FABRIC SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER, OR POLY ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY MAN—

FOLLOWING REQUIREMENTS:	
PHYSICAL PROPERTY	REQUIREMENTS
FILTERING EFFICIENCY	75% (MIN.)
TENSILE STRENGTH AT 20% (MAX.) ELONGATION	EXTRA STRENGTH— 50 LBS./LIN. IN. (MIN.)
	STANDARD STRENGTH

UFACTURER OR SUPPLIER AS CONFORMING TO THE

30 LBS./LIN. IN. (MIN.) FLOW RATE 0.3 GAL./SQ. FT./MIN.

b. NATURAL FIBER FILTER FABRIC BURLAP SHALL BE 10 OUNCE PER SQUARE YARD FABRIC POSTS FOR FILTER FENCES SHALL BE EITHER 2X3 OR 2X4 INCH STUDS OR 0.5 POUNDS (MINIMUM) PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET STEEL POST SHALL BANK PROJECTIONS FOR FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM. STAKES FOR FILTER FENCE SHALL BE 1"X2" WOOD OR EQUIVALENT METAL WITH MINIMUM LENGTH OF 3

WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SOME SILT FENCES DO NOT REQUIRE A WIRE BACKING. CONSULT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION REQUIREMENTS.

### 2. <u>INSTALLATION REQUIREMENTS</u>

- THIS SEDIMENT BARRIER UTILIZES BURLAP OR STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS IS EXPECTED. IN SPECIAL CASES BURLAP
- a. THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES (HIGHER BARRIERS MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE). THE FILTER FENCE SHALL BE PLACED 10 FEET AWAY FROM THE TOE OF THE SLOPE, OR AS SHOWN
- b. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS. C. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT THE TOTAL TO THE TENCE, POST SPACING SHALL BE AS MANUFACTURER RECOMMENDS.
- d. A TRENCH SHALL BE EXCAVATED APPROXIMATELY & INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- e. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES. OR HOG RINGS. THE WIRE SHALL EXTEN INTO THE TRENCH A MINIMUM OF 2 INCHES BELOW THE ORIGINAL GROUND SURFACE.
- f. THE STANDARD STRENGTH FILTER FABRIC SHALL BE THE STANDARD STRENGTH FILER FABRIC SHALL BE STAPLED, WRED OR TIED TO THE WRE FENCE, AND 8 NOCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- g. WHEN EXTRA STRENGTH FILTER FABRIC OR BURLAP AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED, WIRED, OR TIED DIRECTLY TO THE POSTS WITH ALL OTHER
- ROVISIONS OF ITEM NO. f APPLYING. h. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- i. FILTER BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

### 3. <u>MAINTENANCE</u>

- a. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- b. SHOULD THE FABRIC DECOMPOSE OR BECOME DEFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- c. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE
- d. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

### E. LAND GRADING

TO RESTORE AREA UPON COMPLETION OF SEWER INSTALLATION.

### 2. <u>INSTALLATION REQUIREMENTS</u>

- A. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
- B. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH
- THE APPROVED SEDIMENT CONTROL PLAN. C. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AN AMOUNT NECESSARY TO COMPLETE FINISHED
- D. AREAS TO BE FILLED SHALL BE CLEANED, GRUBBED AND STRIPPEL OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL.
- AREAS ARE TO BE TOPSOILED IN ACCORDANCE WITH TOPSOILING REQUIREMENTS.
- F. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. G. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED EIGHT INCHES IN THICKNESS.
- H. FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF
- FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- J. FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION. K. WHERE SEEPS OR SPRINGS ARE ENCOUNTERED DURING CONSTRUCTION
- SUBSURFACE DRAINAGE SHALL BE PROVIDED. L. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.

### 3. <u>MAINTENANCE</u>

ALL STRUCTURAL, NONSTRUCTURAL AND VEGETATIVE SEDIMENT AND EROSION CONTROL PRACTICES IMPLEMENTED DURING LAND GRADING OPERATIONS SHALL BE MAINTAINED ACCORDING TO REQUIREMENTS OUTLINED ON THIS PLAN.

### F. TOPSOILING

TO PROVIDE A SUITABLE GROWTH MEDIUM FOR FINAL SITE STABILIZATION

### 2. <u>INSTALLATION REQUIREMENTS</u>

- SITE INVESTIGATIONS SHALL BE MADE TO DETERMINE IF THERE IS SUFFICIENT TOPSOIL OF GOOD QUALITY TO USE FOR SITE RESTORATION. HIGH QUALITY TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, CLAY LOAM). OTHER SOIL TYPES WITH HIGH ORGANIC CONTENT MAY BE FOUND SUITABLE AFTER TESTING. IT SHALL BE FREE OF DEBRIS, TRASH, STUMPS, ROCKS, ROOTS, AND NOXIOUS WEEDS. IT SHALL GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY VEGETATION. IT SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH. ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY TO DETERMINE THE PROPER APPLICATION RATES FOR LIME AND FEBRILIFER.
- B. STRIPPING
- STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. A 4 TO 6 INCH STRIPPING DEPTH IS COMMON, BUT DEPTH MAY VARY DEPENDING ON THE PARTICULAR SOIL. ALL PERIMETER DIKES, BASINS, AND ANY OTHER SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO STRIPPING.
- C. STOCKPILING TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL D. SIDE SLOPES
- SIDE SLOPES OF THE STOCKPILE SHALL NOT EXCEED 2 TO 1 (2 HORIZONTALLY TO 1 VERTICALLY). E. SEDIMENT BARRIER A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.
- TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF THE STOCKPILE, IN ACCORDANCE WITH
- THE TEMPORARY VEGETATIVE COVER REQUIREMENTS. G. SITE PREPARATION BEFORE TOPSOILING, ESTABLISH NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, WATERWAYS, SEDIMENT BASINS, ETC. THESE

MEASURES MUST BE MAINTAINED DURING TOPSOILING

- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED
- WHERE THE PH OF THE SUBSOIL IS 6.0 OR LESS, GROUND AGRICULTURAL LIMESTONE SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING
- J. BONDING AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADI
- K. APPLYING TOPSOIL TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING. THE TOPSOIL SHALL BE UNIFORMLY DISTURBED TO A MINIMUM COMPACTED DEPTH OF 4 INCHES, ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. IT IS NECESSARY TO COMPACT THE SOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A UNIFORM TIRM SEEDBED FOR THE ESTABLISHMENT OF A HIGH QUALITY TURF. HOWEVER, UNDUE COMPACTION IS TO BE AVOIDED AS IT INCREASES RUNOFF VELOCITY AND VOLUME, AND PREVENTS SEED

### G. TEMPORARY MULCHING

- TO PREVENT EROSION BY PROTECTING THE EXPOSED SOIL SURFACE AND TO AID IN THE GROWTH OF VEGETATION BY CONSERVING AVAILABLE MOISTURE CONTROLLING WEEDS, AND PROVIDING PROTECTION AGAINST EXTREME HEAT AND
- 2. INSTALLATION REQUIREMENTS
- A. ORGANIC MULCHES ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED IN THE TABLE

ORGANIC MULCH MATERIALS AND APPLICATION RATES

	_	
MULCHES	PER ACRE / PER 1000FT <sup>2</sup>	NOTES
MULCHES OR HAY	1 1/2- 2 TONS / 70-90 LBS	FREE FROM WEEDS AND COAF HAY MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
WOOD FIBER	1000– 2000 LBS./ 25–50 LBS.	FIBERS 4mm OR LONGER. DO NOT USE ALONE IN WINTER O DURING HOT, DRY WEATHER. APPLY AS SLURRY.
CORN STALKS	4-6 TONS / 185-275 LBS.	CUT OR SHREDDED IN 4–6 INCH LENGTHS. AIR DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER OR BY HAND.

FREE OR COARSE MATTER. AIR DRIED. TREAT WITH 12 4–6 TONS / 185–275 LBS. LBS. NITROGEN PER TON. D NOT USE IN FINE TURF AREAS.
APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY

		HAND
K CHIPS EDDED K	50–70 CU. YDS./ 1–2 CU. YDS.	FREE OR COARSE AIR DRIED. DO NO FINE TURF AREAS WITH MULCH BLOV HANDLER, OR BY

### B. <u>MATERIALS</u>

SELECT MULCH MATERIAL BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS, AND LABOR AND EQUIPMENT. OTHER MATERIALS MATERIALS BE USED ONLY WITH THE PERMISSION OF THE APPROVING AUTHORITY

- C. <u>PRIOR TO MULCHING</u> COMPLETE THE REQUIRED GRADING AND INSTALL NEEDED SEDIMENT CONTROL MEASURES.
- D. <u>APPLICATION</u> MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. WHEN SPREADING STRAW OR HAY MULCH BY HAND, DIVIDE THE AREA TO BE MULCHED INTO APPROXIMATELY 1,000 SQUARE FOOT SECTIONS AND PLACE 70-90 POUNDS (1 1/2 TO 2 BALES) OF STRAW OR HAY IN EACH SECTION TO ENSURE UNIFORM DISTRIBUTION.

### 3. MAINTENANCE

ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED, ADDITIONAL MULCH SHOULD BE APPLIED. NETS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, RE-INSTALL NET AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOL EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE: REPAIR AS NEEDED.

### H. PERMANENT VEGETATIVE COVER

SOIL TEXTURE

- TO PERMANENTLY STABILIZE THE SOIL, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF AND TO ENHANCE THE ENVIRONMENT
- 2. INSTALLATION REQUIREMENTS
- A. SITE PREPARATION GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF
- CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE PLANS B. SEEDED PREPARATION
- 1. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOLA AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTIONS
  SOLL TESTING LABORATORY, SOIL SAMPLE MAILERS ARE AVAILABLE
  FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF
  SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR
  WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE
  RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE
  FEET USING 10-10-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS OF
  38-0-0 FERTILIZER PER ACRE OR EQUIVALENT OF SLOW RELEASE NIT-ROGEN MAY BE USED FOR TOPDRESSING. APPLY LIMESTONE (EQUIV— ALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AS FOLLOWS.

### CLAY, CLAY LOAM AND HIGH ORGANIC SOIL SANDY LOAM, LOAM, SILT LOAM LOAMY SAND, SAND

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT

<u>TONS/AC.</u> <u>LBS./1000 SQ. FT.</u>

WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL FINE SEEDBED IS PREPARED. ALL BUT CLAYEY, SILTY SOILS, OR

COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBEL

4. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED

3. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.

- SEEDING DATES SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED, HOWEVER LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. WHEN CROWN VETCH IS SEEDED IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED).
  - APRIL 1 THROUGH JUNE 1 AUGUST 15 THROUGH SEPTEMBER 1
- WITH THE EXCEPTION OF CROWN VETCH, THE FINAL SEEDING DATE MAY BE EXTENDED 15 DAYS.

THE RECOMMENDED SEEDING DATES ARE:

- 1. THE SEED MIXTURE SHALL BE AS INDICATED IN THE SPECIFICATIONS APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY IN-CLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH 'S FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.
- 3. WHEREVER FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE

4. FROST CRACK SEEDING CAN BE USED. FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING. SUITABLE

- INCREASED 10 PERCENT WHEN USING THIS METHOD. 5. HYDRAULIC APPLICATION (HYDROSEEDING), IS A SUITABLE METHOD FOR UPPLICATION (HYDROSEEDING), IS A SUITABLE METHOD FOR UPPLICATION (HYDROSEEDING, A SEEDBED IS PREPARED IN THE CONVENTIONAL WAY OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN SIX INCHES IN DIAMETER. SUPPLE STONES LARGER THAN SIX INCHES IN UNBELER.
  SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTALLY TO 1 FOOT VERTICALLY). LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF THE FIBER MULCH ON CRITICAL AREAS OR HAY). FIBER MULCH DOES NOT PROVIDE ADEQUATE SEEDBED PROTECTION, BETTER PROTECTION IS GAINED BY USING STRAW
- MUST BE INCREASED 10 PERCENT WHEN HYDROSEEDING. 6. APPLY MULCH ACCORDING TO TEMPORARY MULCHING

7. IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURES TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

### I. TEMPORARY VEGETATIVE COVER

- TO TEMPORARILY STABILIZE THE SOIL AND REDUCE DAMAGE FROM WIND AND/OR
- 2. INSTALLATION REQUIREMENTS A. SITE PREPARATION
  (1) SITE PREPARATION SHOULD BE CONDUCTED IN ACCORDANCE WITH THE MEASURE FOR LAND GRADING. B. SEEDBED PREPARATION
- APPLY LMESTONE AND FERTILIZER IN ACCORDANCE WITH PROCEDURES OUTLINED IN TOPSOILING SECTION. C. SEEDING
  (1) SELECT SEED FROM SPECIFICATIONS.
- (2) WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS
  LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER
  LIME AND SEED.
- (3) APPLY SEED/MULCH UNIFORMLY AS INDICATED IN PERMANENT VEGETATIVE COVER SECTION. (4) SEEDING MAY BE DONE FROM MAR.1 — OCT.15. IRRIGATE AS REQUIRED DURING DRY PERIODS.

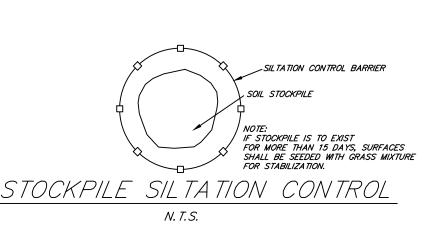
### DUST CONTROL

- TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, AND REDUCE THE PRESENCE OF DUST WHICH MAY CAUSE OFF SITE DAMAGE, BL A HEALTH HAZARD TO HUMANS, WILDLIFE AND PLANTLIFE, OR REDUCE TRAFFIC
- 2. INSTALLATION REQUIREMENTS A. <u>WATER</u>
- THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
- COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. IN AREAS ADJACENT TO WATERWAYS, USE CHEMICALLY STABLE AGGREGATE. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT

# K. INSPECTION

THE TOWN WILL MAINTAIN A FULL TIME INSPECTION SCHEDULE DURING CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL INSPECT AND ENFORCE ALONG WITH THE TOWN.

SHALL BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.



1. To be installed at all affected

cleaned of all sediment.

Silt Fence to Remain

Operations Have

in Place Until Paving `

Catch Basin

Anchor with two 2"x2"x3' Stakes .

catch basins prior to beginning

2. Basins on sloping roads should not be ringed. Bales or silt fence

work in paved areas. Upon completic of construction, catch basins shall be

should be placed in a configuration to contain flows without "end runs".

containments should be up slope

SILT FENCE

STRAW BALES

FOR CATCH BASINS ON EARTH

TYPE "C" — CATCH BASIN

STRAW BALES

FOR TYPE "C" CATCH BASIN

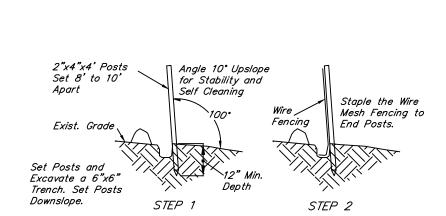
LESS THAN OR EQUAL TO 3% GRADE

STRAW BALES

LESS THAN OR EQUAL TO 3% GRADE

FOR TYPE "C-L" CATCH BASINS

CATCH BASIN - SEDIMENTATION BARRIER DETAILS



FOR CATCH BASINS ON PAVEMENT

CATCH BASIN

STRAW BALES

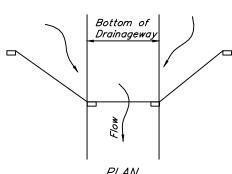
FOR TYPE "C" CATCH BASINS

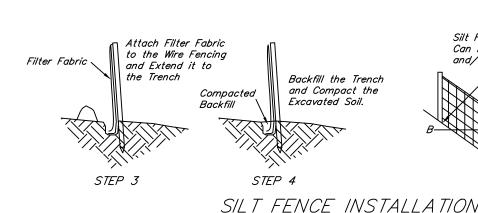
GREATER THAN 3% GRADE

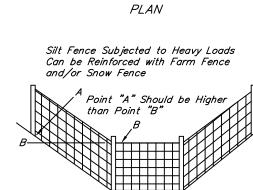
FOR TYPE "C-L" CATCH BASINS

GREATER THAN 3% GRADE

Anchor with one— 2"x2"x3' Transverse Stake in Each Bale.







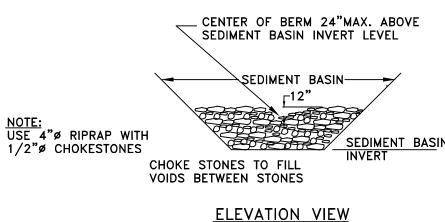
ELE VA TION

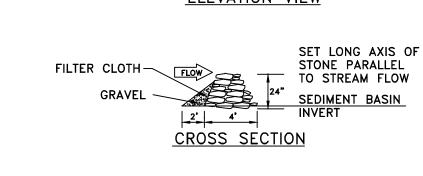
AN TI— TRACKING PAL

- 1. STONE SIZE USE MSHA SIZE NO. 2 (2-1/2" TO 1") OR AASHTO DESIGNATION
- M43, SIZE NO. 2 (2-1/2" TO 1-1/2"). USE CRUSHED STONE.
- 2. LENGTH AS EFFECTIVE, BUT NOT LESS THAN 50 FEET. 3. THICKNESS - NOT LESS THAN 8 INCHES.
- 4. WIDTH NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS. 5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL

BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE

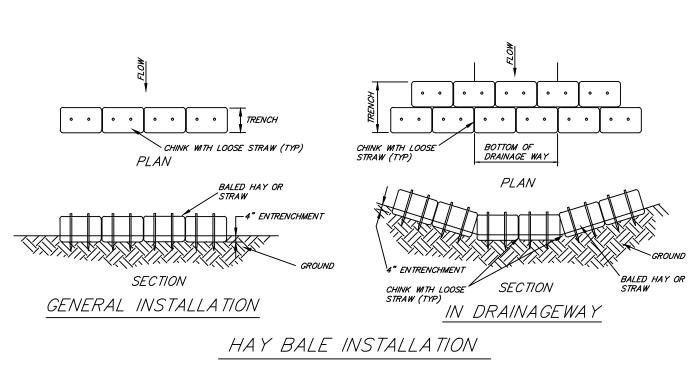
THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS. 6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.





RIPRAP FILTER BERM

N.T.S.



EARTH - SEDIMENTATION BARRIER DETAIL

SOIL EROSION AND

15 COTTONTAIL LANE NORTH HAVEN, CONNECTICUT

SEDIMENTATION CONTROL DETAILS



Northford, Connecticut 06472 Phone: (203) 484-2793 Fax: (203) 484-7343 Email: nyeng@nafisandyoung.com SHEET NO.

ANY USE OF REUSE OF ORIGINAL OR ALTERED CADD DESIGN MATERIALS BY THE CLIENT, REVIEW AND WRITTEN APPROVAL OF AN AUTHORIZED REPRESENTATIVE OF NAFIS & SOLE RISK OF CLIENT, CONTRACTOR, OR

FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

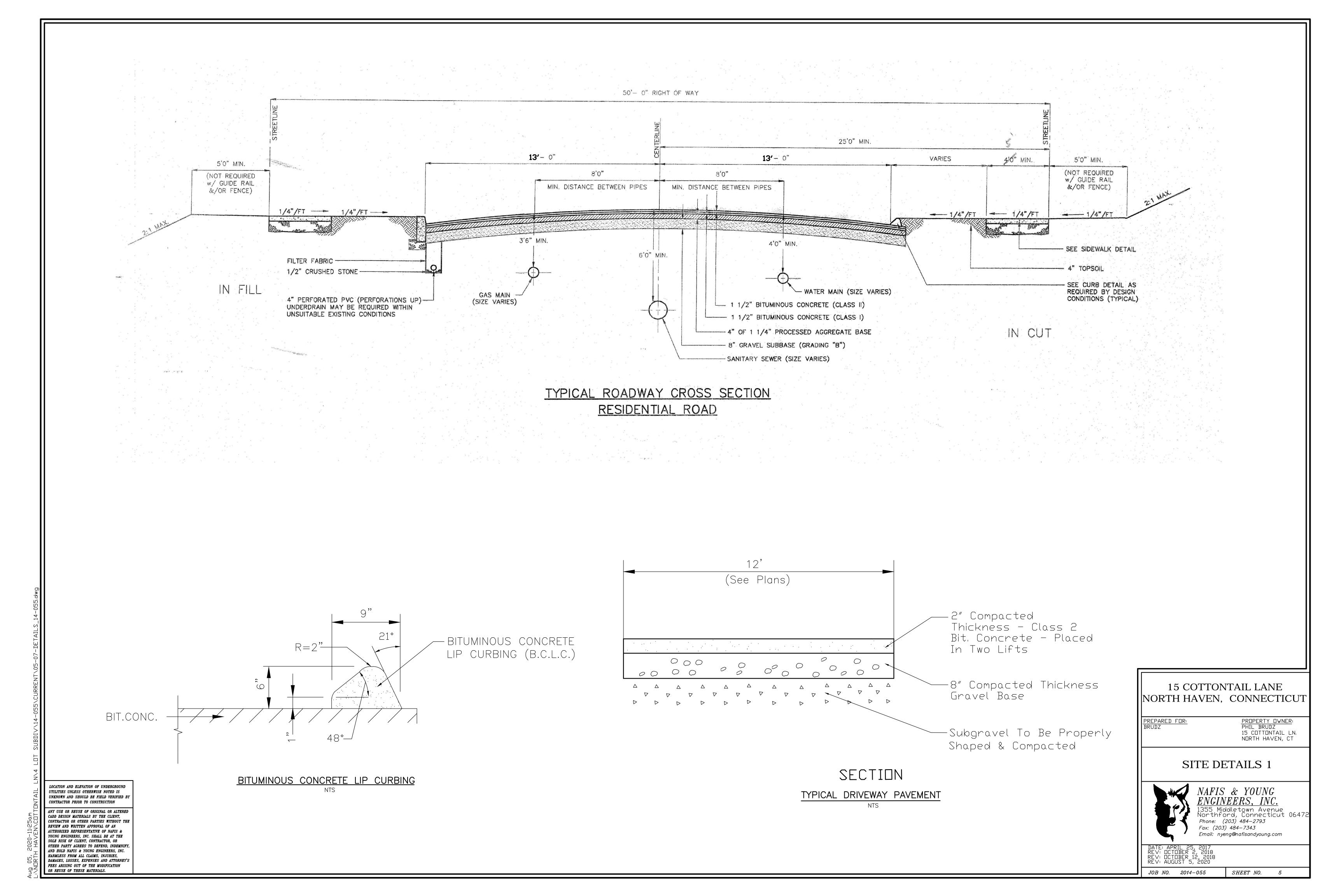
LOCATION AND ELEVATION OF UNDERGROUND

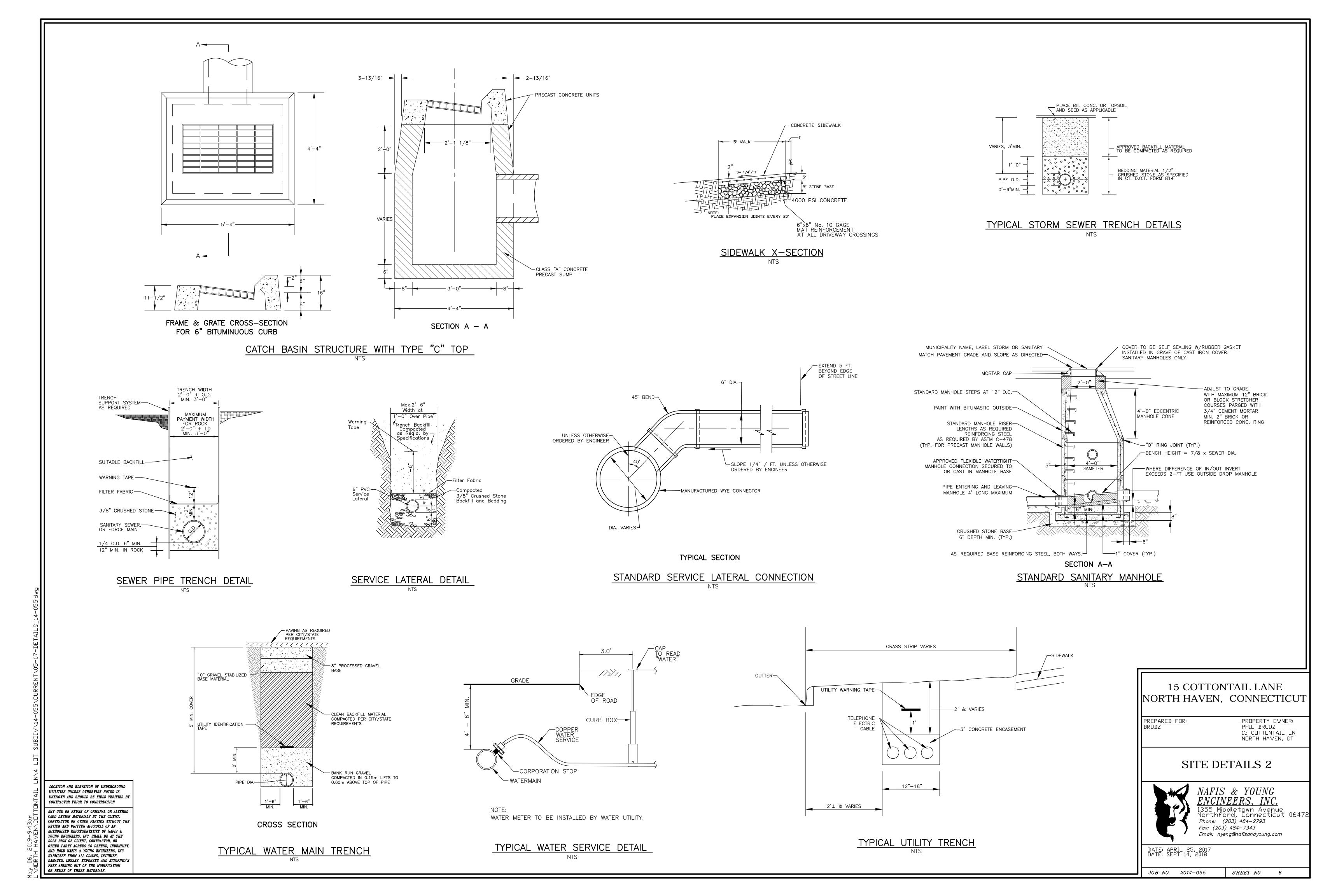
UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY

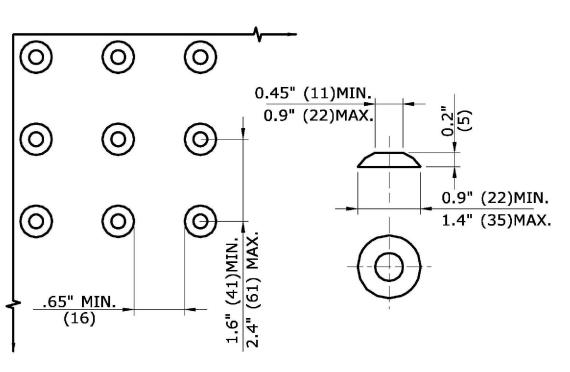
CONTRACTOR PRIOR TO CONSTRUCTION

CONTRACTOR OR OTHER PARTIES WITHOUT THE YOUNG ENGINEERS, INC. SHALL BE AT THE OTHER PARTY AGREES TO DEFEND, INDEMNIFY, AND HOLD NAFIS & YOUNG ENGINEERS, INC. HARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES AND ATTORNEY'S

JOB NO. 14-055



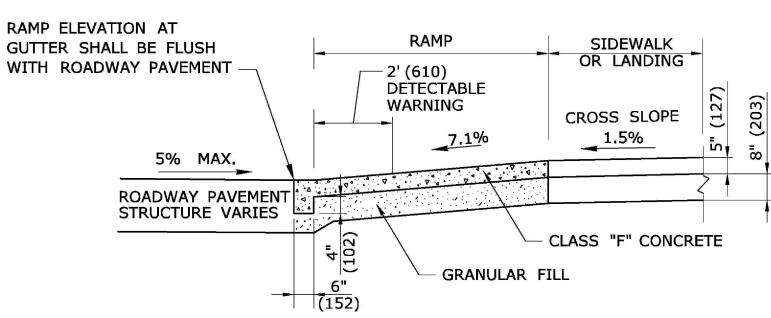




DOME SPACING

**DOME SECTION** 

### STANDARD DOME ON DETECTABLE WARNING TILES



TYPICAL SECTION THRU SIDEWALK RAMP SEE NOTE 2 AND 17 SHEET 1

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED

CONTRACTOR PRIOR TO CONSTRUCTION ANY USE OR REUSE OF ORIGINAL OR ALTER CADD DESIGN MATERIALS BY THE CLIENT, ONTRACTOR OR OTHER PARTIES WITHOUT 1 REVIEW AND WRITTEN APPROVAL OF AN AUTHORIZED REPRESENTATIVE OF NAFIS & YOUNG ENGINEERS, INC. SHALL BE AT THE SOLE RISK OF CLIENT, CONTRACTOR, OR OTHER PARTY AGREES TO DEFEND, INDEMNII AND HOLD NAFIS & YOUNG ENGINEERS, INC. ARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES AND ATTORNEY FEES ARISING OUT OF THE MODIFICATION

R REUSE OF THESE MATERIALS.

**GENERAL NOTES:** 

- 1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP SHOULD NOT EXCEED 5%. THE MAXIMUM GRADE DIFFERENCE BETWEEN THE GUTTER AND CURB RAMP SHALL NOT EXCEED 13%. SEE DETAIL 1 ON SHEET 4.
- 2. RAMP GRADE SHALL BE UNIFORM, FREE OF SAGS AND ABRUPT GRADE CHANGES. RUNNING SLOPES OF RAMPS SHALL NOT EXCEED 8.33% AND SHALL NOT EXCEED 15' (4.5m) WITHOUT PROVIDING A LANDING.
- 3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "F" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
- 4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE OF ALL SIDEWALK RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. SURFACE DISCONTINUITIES SHALL NOT EXCEED  $\frac{1}{2}$ " (13) MAX. VERTICAL DISCONTINUITIES BETWEEN  $\frac{1}{4}$ " (6.4) AND  $\frac{1}{2}$ " (13) MAX. SHALL BE BEVELED 1:2 MINIMUM APPLIED ACROSS THE ENTIRE LEVEL CHANGE.
- ANY FLARED SIDES, DIAGONAL AND PERPENDICULAR RAMPS SHALL HAVE THE RAMP CUT PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS FOR THE DESIGNATED ACCESSIBLE ROUTE. BOTH LONGITUDINAL SIDES OF THE RAMP SHOULD BE THE SAME LENGTH. SKEWED RAMPS SHOULD BE AVOIDED. FLARES ARE NOT CONSIDERED PART OF PEDESTRIAN ACCESS ROUTE. DIAGONAL RAMPS SHOULD NOT BE INSTALLED WHERE CURB RADII IS LESS THAN 20'(6096).

5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING

- 6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT. 8.3% MAXIMUM SLOPE MAY NOT BE ACHIEVABLE DUE TO EXISTING SIDEWALK GRADE. IN RECOGNITION OF THIS, A LIMIT OF 15' (4572) FOR REMOVAL SHALL BE USED UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK RAMP" OR "CONCRETE SIDEWALK".
- 7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' (3658) UNLESS OTHERWISE NOTED.
- 8. CONCRETE SIDEWALK RAMPS, SHALL BE PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK RAMP", AS DEFINED BY THE CONSTRUCTION LIMITS ON THE PLANS AND SHALL BE FIELD VERIFIED.
- 9. SIDEWALK RAMPS SHALL BE CONSTRUCTED WITH THE TOE AT THE GUTTER CAST INTEGRALLY WITH RAMP UNLESS DIRECTED OTHERWISE BY THE ENGINEER (SEE TYPICAL SECTION ON SHEET 3). CURB REMOVAL AND CAST IN PLACE CURBING REQUIRED FOR THE RAMP, SHALL BE INCLUDED WITH PAY ITEM "CONCRETE SIDEWALK RAMP" CURBING OUTSIDE LIMITS OF RAMP OR LANDING SHOWN ON SHEET 3 SHALL BE CONSTRUCTED AND PAID FOR
- IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS. 10. PREFERRED LOCATION TO INSTALL DETECTABLE WARNING STRIP SHALL BE 6" (152) FROM THE EDGE OF ROAD ALONG THE FULL WIDTH OF THE RAMP. FOR ALTERNATE LOCATIONS, REFER TO DETECTABLE WARNING PLACEMENT DETAILS ON
- 11. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID IN THE DIRECTION OF RUNNING SLOPE (PERPENDICULAR TO CURB OR SLOPE BREAK). THE TRANSITION FROM RAMP TO GUTTER SHALL BE FLUSH WITHOUT A LIP.
- 12. WHERE COMMERCIAL DRIVEWAYS ARE PROVIDED WITH TRAFFIC SIGNALS AND THE SIDEWALK IS CONTINUOUS THROUGH DRIVEWAY, DETECTABLE WARNINGS ARE REQUIRED AT THE JUNCTION BETWEEN THE PEDESTRIAN ROUTE AND DRIVEWAY.
- 13. CONSTRUCT A SIDEWALK CURB WHEN THERE IS INSUFFICIENT BUFFER AVAILABLE TO GRADE OR
- WHEN CALLED FOR IN PLANS. PAID FOR WITH SIDEWALK RAMP WHEN REQUIRED FOR RAMP. 14. THE TOP AND BOTTOM OF RAMPS SHOULD BE PROVIDED WITH A 4'x 4' (1219 x 1219) MINIMUM LEVEL LANDING AREA WITH A CROSS SLOPE LESS THAN OR EQUAL TO 2% IN ANY DIRECTION.
- 15. UTILITY POLES, LUMINAIRE, PEDESTRIAN OR SIGNAL POLES, GRATES, ACCESS COVERS, AND OTHER APPURTENANCES SHALL NOT BE LOCATED ON RAMPS, LANDINGS, BLENDED TRANSITIONS, AND @ GUTTERS WITHIN THE PEDESTRIAN ACCESS ROUTE.
- 16. APPROACH SIDEWALK WIDTHS, GRASS STRIP OR UTILITY STRIP WIDTHS MAY VARY. 17. APPROACH SIDEWALK AND LANDING CROSS SLOPE SHALL NOT EXCEED 2%.
- 18. THE RUNNING OR CROSS SLOPES ON LANDINGS AT MID BLOCK CROSSING MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
- 19. FOR PERPENDICULAR CURB RAMPS A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE TOP OF CURB RAMP. WHERE THE LEVEL LANDING IS RESTRICTED AT THE BACK OF SIDEWALK THE LEVEL LANDING SHALL BE
- 4'(1.2m) x 5'(1.5m) WITH THE 5'(1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE RAMP RUN. 20. FOR PARALLEL CURB RAMPS, A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE BOTTOM OF CURB RAMP. IF THE LEVEL LANDING IS RESTRICTED ON 2 OR MORE SIDES, THE LEVEL LANDING SHALL BE 4'(1.2m)x 5'(1.5m)
- WITH THE 5' (1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING, 21. WHEN WIDTH OF SIDEWALK IS ≥48" AND A PERPENDICULAR SIDEWALK RAMP IS INSTALLED, THE FLARED SIDES SHALL
- BE 10% MAX. IF WIDTH OF SIDEWALK IS <48" THE FLARED SIDES MUST NOT EXCEED 8.33% (12:1).
- 22. SHADED AREAS ARE TYPICAL PAY LIMITS FOR CONCRETE SIDEWALK RAMP BUT, MAY VARY AS DIRECTED BY THE ENGINEER. 23. OPTIONAL RAMP, WHEN REQUIRED, SHALL BE PAID FOR AS PART OF CONCRETE SIDEWALK RAMP.

15 COTTONTAIL LANE NORTH HAVEN, CONNECTICUT

15 COTTONTAIL LN. NORTH HAVEN, CT

PROPERTY OWNER: PHIL BRUDZ

Fax: (203) 484-7343 Email: nyeng@nafisandyoung.com

DATE: OCTOBER 2, 2018 REV: OCTOBER 12, 2018

JOB NO. 2014-055

SHEET NO. 7

NAFIS & YOUNG

ENGINEERS, INC.

Phone: (203) 484-2793

1355 Middletown Avenue Northford, Connecticut 06472

PED RAMP DETAILS