

GENERAL NOTES:

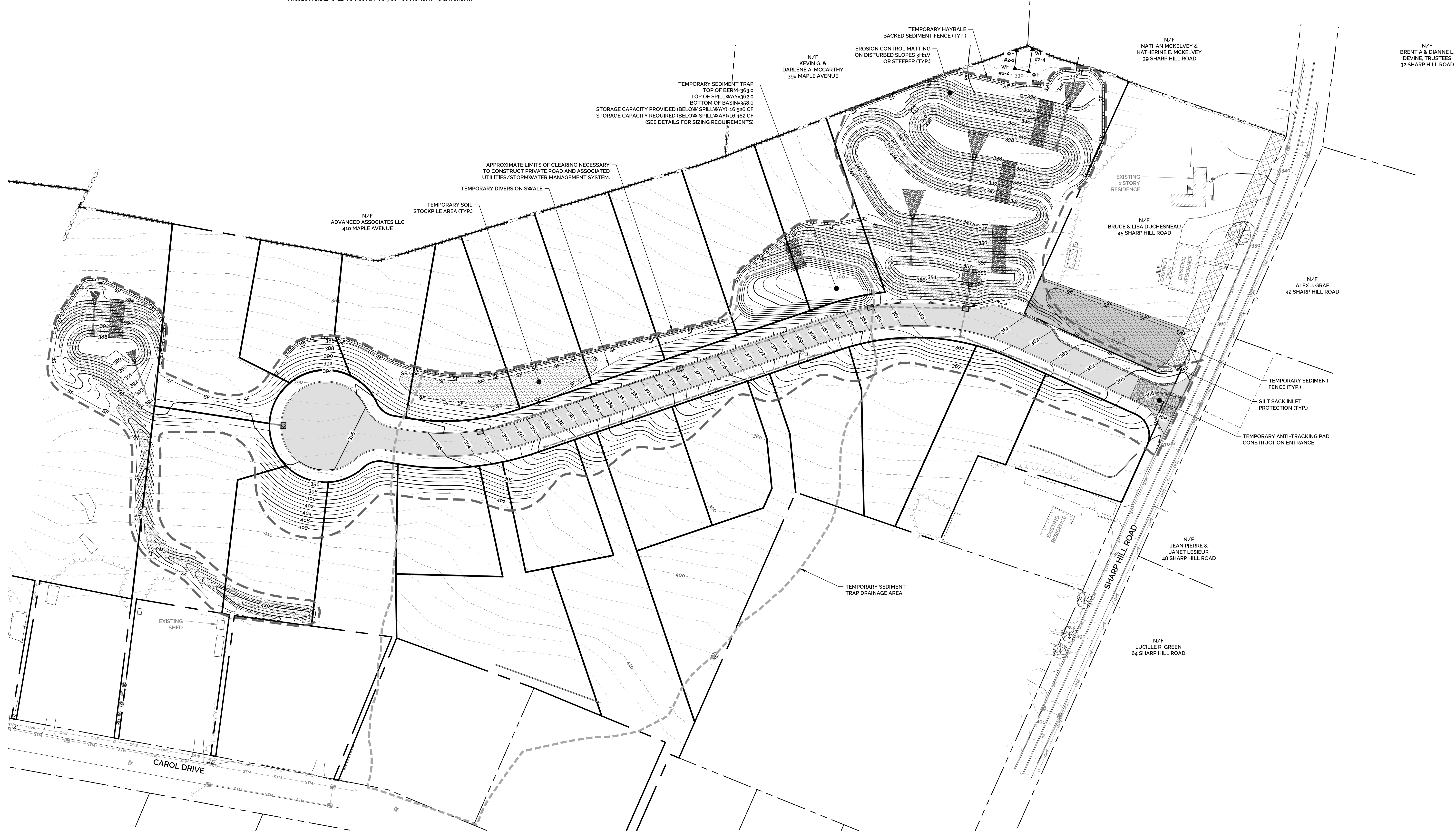
1. THE APPLICANT IS MT KINEO BUILDERS, LLC WITH A MAILING ADDRESS OF P.O. BOX 246, WEST MYSTIC, CT 06388. THE PROPERTY OWNER IS R&N HOLDING COMPANY WITH A MAILING ADDRESS OF P.O. BOX 246, WEST MYSTIC, CT 06388.
2. THE SUBJECT PARCEL IS IDENTIFIED AS LOT 63 ON THE TOWN OF MONTVILLE TAX ASSESSOR'S MAP 23. THE DEED REFERENCE OF THE PROPERTY IS VOLUME 708 PAGE 1032.
3. THE APPLICANT IS PROPOSING A 23-LOT RESIDENTIAL RESUBDIVISION LOCATED AT 47 SHARP HILL ROAD IN MONTVILLE. THE PARCEL WAS CREATED AS PART A SUBDIVISION APPROVED IN OCTOBER 2016.
4. THE PARCEL IS LOCATED WITHIN THE TOWN OF MONTVILLE RESIDENTIAL "R-20" ZONING DISTRICT. THE PROPERTY IS NOT LOCATED WITHIN A FEMA FLOOD HAZARD ZONE.
5. AS PART OF THE RESUBDIVISION, THE ROADWAY, ASSOCIATED ROADWAY DRAINAGE SYSTEM, STORMWATER MANAGEMENT IMPROVEMENTS, AND COMMON UTILITIES (SANITARY SEWER, ELECTRIC, TELEPHONE, CABLE) WILL BE INSTALLED. THE RESIDENCES, DRIVEWAYS, INDIVIDUAL LOT GRADING, AND DRILLED WELLS SHOWN ON THE PLANS FOR THE NEW BUILDING LOTS ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY. NO LOT DEVELOPMENT IS PROPOSED AT THIS TIME. PRIOR TO ANY INDIVIDUAL LOT DEVELOPMENT, A SITE PLAN SHALL BE PREPARED IN CONFORMANCE WITH ALL APPLICABLE LOCAL REGULATIONS, AND REVIEWED AND APPROVED BY THE ZONING ENFORCEMENT OFFICER. THE DEVELOPMENT OF INDIVIDUAL LOTS SHALL NOT ADVERSELY AFFECT THE DEVELOPMENT OF NEWLY CREATED LOTS OR EXISTING ADJUTING PROPERTIES.
6. THE PURPOSE OF THIS PLAN IS FOR REVIEW BY THE TOWN OF MONTVILLE INLAND WETLANDS & WATERCOURSES COMMISSION FOR A WETLANDS PERMIT APPLICATION, AND THE TOWN OF MONTVILLE PLANNING & ZONING COMMISSION FOR A SUBDIVISION APPLICATION.
7. EACH NEW BUILDING LOT WILL BE SERVED BY PRIVATE WELLS AND PUBLIC SANITARY SEWER.
8. INLAND WETLANDS WERE FLAGGED BY IAN COLE, WETLAND SCIENTIST AND REGISTERED SOIL SCIENTIST, IN SEPTEMBER 2024 AND WERE LOCATED BY BOUNDARIES, LLC IN JANUARY 2025.
9. ELEVATIONS SHOWN HEREON ARE BASED ON NAVD-88 DATUM.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 800-922-4455 TO MARK OUT ALL UNDERGROUND UTILITIES A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE LOCATIONS OF SUBSURFACE UTILITIES SHOWN HEREON ARE APPROXIMATE. THE ACTUAL LOCATION OF SUBSURFACE UTILITIES MAY VARY FROM THOSE INDICATED AND ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO BEGINNING SITE WORK.
3. ALL PROPERTY LINES SHALL BE VERIFIED IN THE FIELD. NO PRIVATE PROPERTY SHALL BE DISTURBED UNLESS PROPER RIGHTS ARE OBTAINED PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL OBTAIN, REVIEW AND ADHERE TO ALL REQUIREMENTS AND ANY CONDITIONS OF APPROVAL OF THE TOWN OF MONTVILLE.
6. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE TOWN OF MONTVILLE STANDARDS, REGULATIONS, POLICIES AND PRACTICES OF THE DEPARTMENT OF PUBLIC WORKS.
7. EXISTING DRAINAGE PATTERNS SHALL BE SUBSTANTIALLY MAINTAINED. THE CONTRACTOR SHALL GRADE THE PROPERTY IN SUCH A MANNER TO MAINTAIN EXISTING LOCAL DRAINAGE PATTERNS AND TO PREVENT EXCESS RUNOFF AND/OR PONDING ON ADJACENT PROPERTIES BOTH DURING AND AFTER CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL DISTURBED AREAS TO THEIR PRE-CONSTRUCTION CONDITION OR BETTER ONCE ALL WORK IS COMPLETE.
9. HOURS OF CONSTRUCTION SHALL BE LIMITED TO 7:00 A.M. TO 6:00 P.M. MONDAY THROUGH FRIDAY, AND 8:00 A.M. TO 6:00 P.M. SATURDAY. NO CONSTRUCTION ACTIVITY SHALL TAKE PLACE ON SUNDAYS. ADDITIONALLY, NO EXTERIOR LIGHTING FOR CONSTRUCTION PURPOSES, FREESTANDING OR OTHERWISE, IS APPROVED WITH THIS APPLICATION.
10. DELIVERIES OF MATERIALS/EQUIPMENT TO THE SITE RELATED TO THIS CONSTRUCTION PROJECT ARE LIMITED TO 7:00 A.M. TO 5:00 P.M. MONDAY TO SATURDAY.

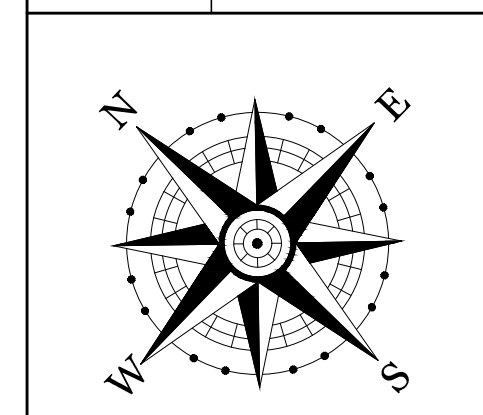
SOIL EROSION & SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES FROM ANY EROSION AND/OR SEDIMENTATION. REFER TO SOIL EROSION & SEDIMENT CONTROL PLAN AND NARRATIVE FOR PROPOSED SOIL EROSION & SEDIMENT CONTROL MEASURES.
2. REFER TO THE SOIL EROSION & SEDIMENT CONTROL NARRATIVE FOR ADDITIONAL INFORMATION.
3. ZONING ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROLS AS NEEDED.



REV.	DESCRIPTION OF REVISION	DATE	BY	APPR.
1	REVISIONS IN RESPONSE TO REVIEW COMMENTS	8/15/2025		
	DESCRIPTION OF REVISION			

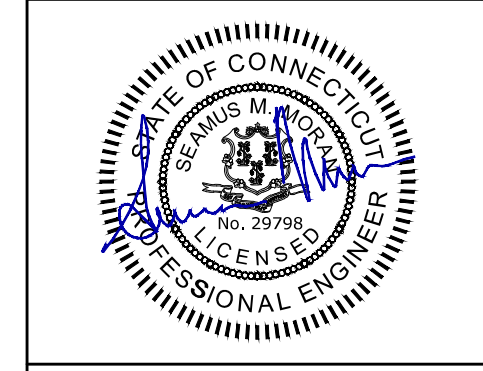
SOIL EROSION & SEDIMENT CONTROL PLAN
23-LOT RESIDENTIAL RESUBDIVISION
 PROPERTY ADDRESS:
 47 SHARP HILL ROAD, MONTVILLE, CT 06382
 PREPARED FOR:
MT KINEO BUILDERS, LLC
 P.O. BOX 246, WEST MYSTIC, CT 06388



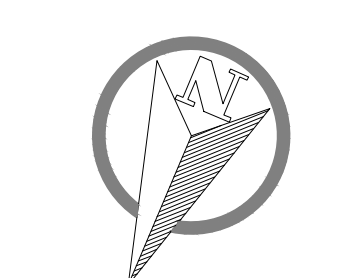
SCALE IN FEET
 50 25 0 50

PROJECT NO. 2025-0197	SCALE 1" = 50'
DRAWN BY: SMM	DATE 7/10/2025
CHECKED BY: SMM	DATE 7/10/2025

DRAWING
SE-1

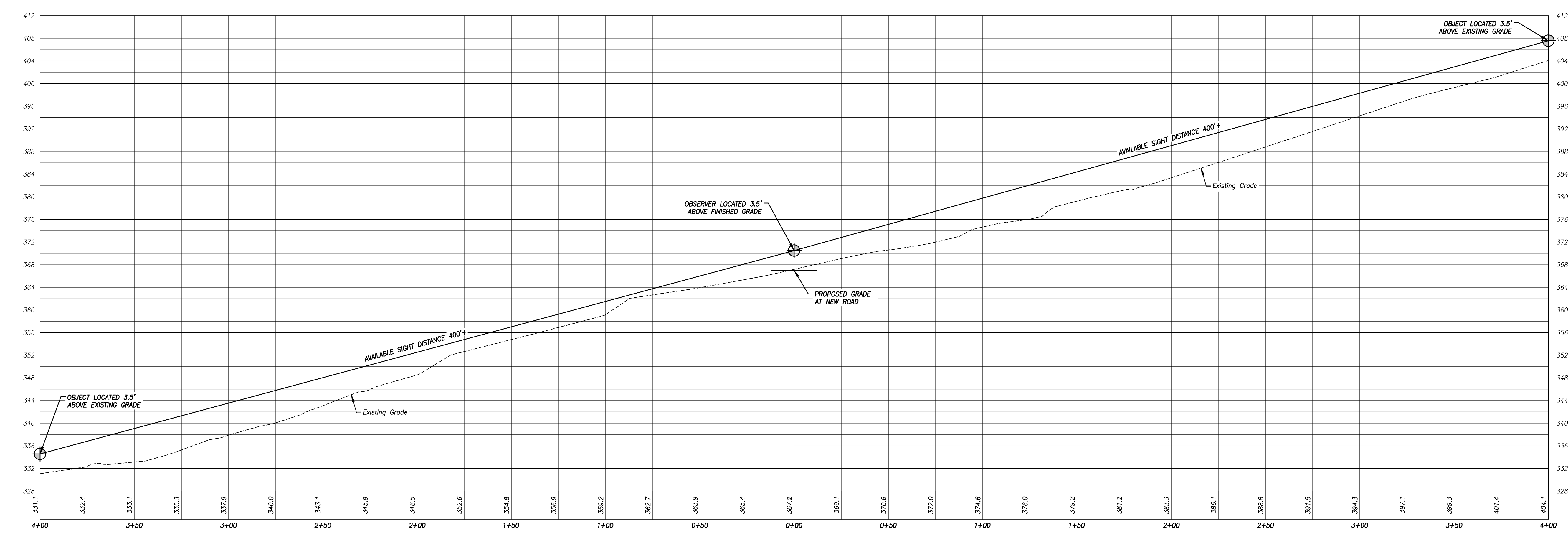
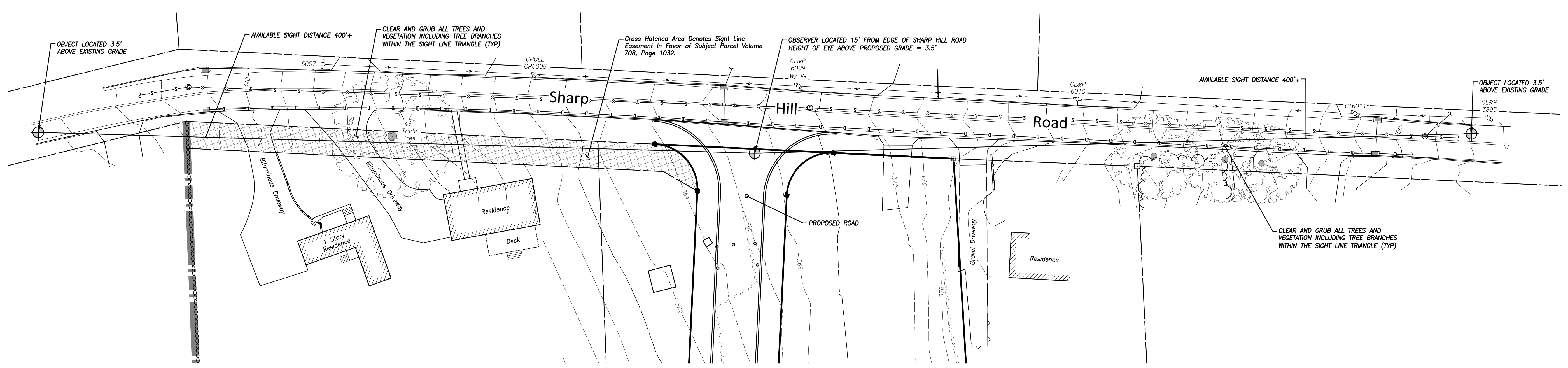


Z:\DRAWING\HHH ENGINEERING ASSOCIATES\PROJECTS\2025\2025-0197 - MT KINEO BUILDERS - 47 SHARP HILL RD., MONTVILLE, CT\DWG\16 - SE-1.dwg Date: 8/15/2025 1:43 PM Plot Date: 8/15/2025 1:43 PM



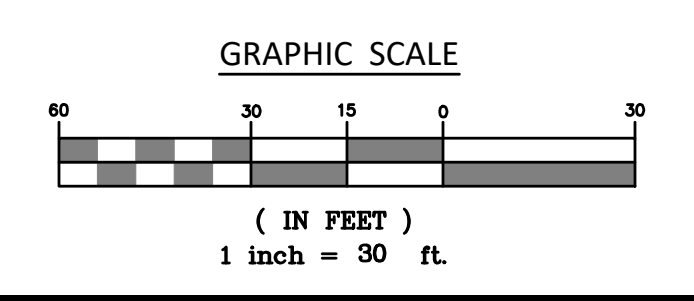
SCALE:	1" = 30'
DATE:	July 2025
JOB I.D. NO.	24-3514
Revisions	
Rev. "A"	8-15-2025
Per Town Comments	

SHEET NO.	
10	16



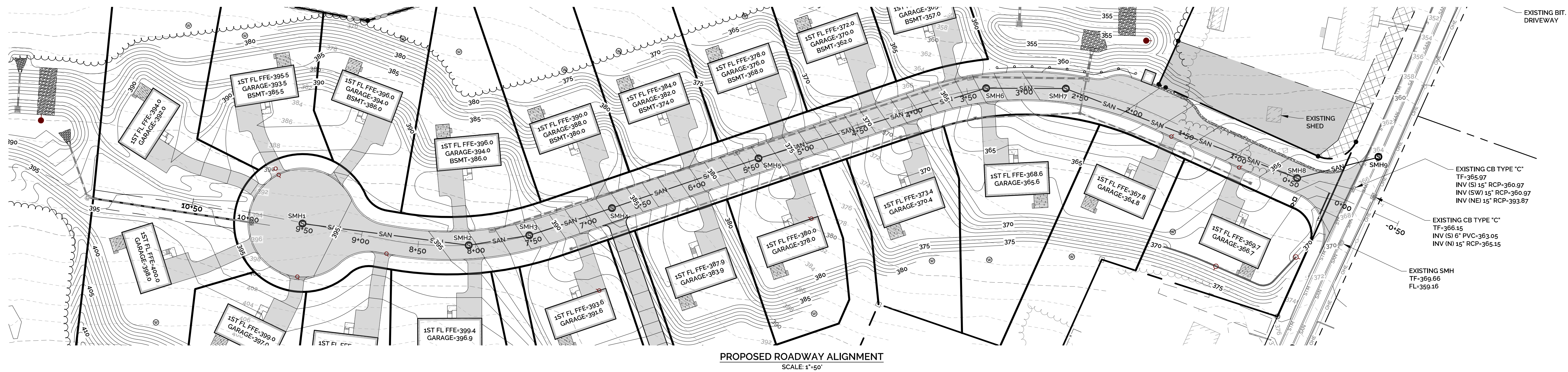
PROFILE - SIGHT LINE EAST
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 10'

PROFILE - SIGHT LINE WEST
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 10'

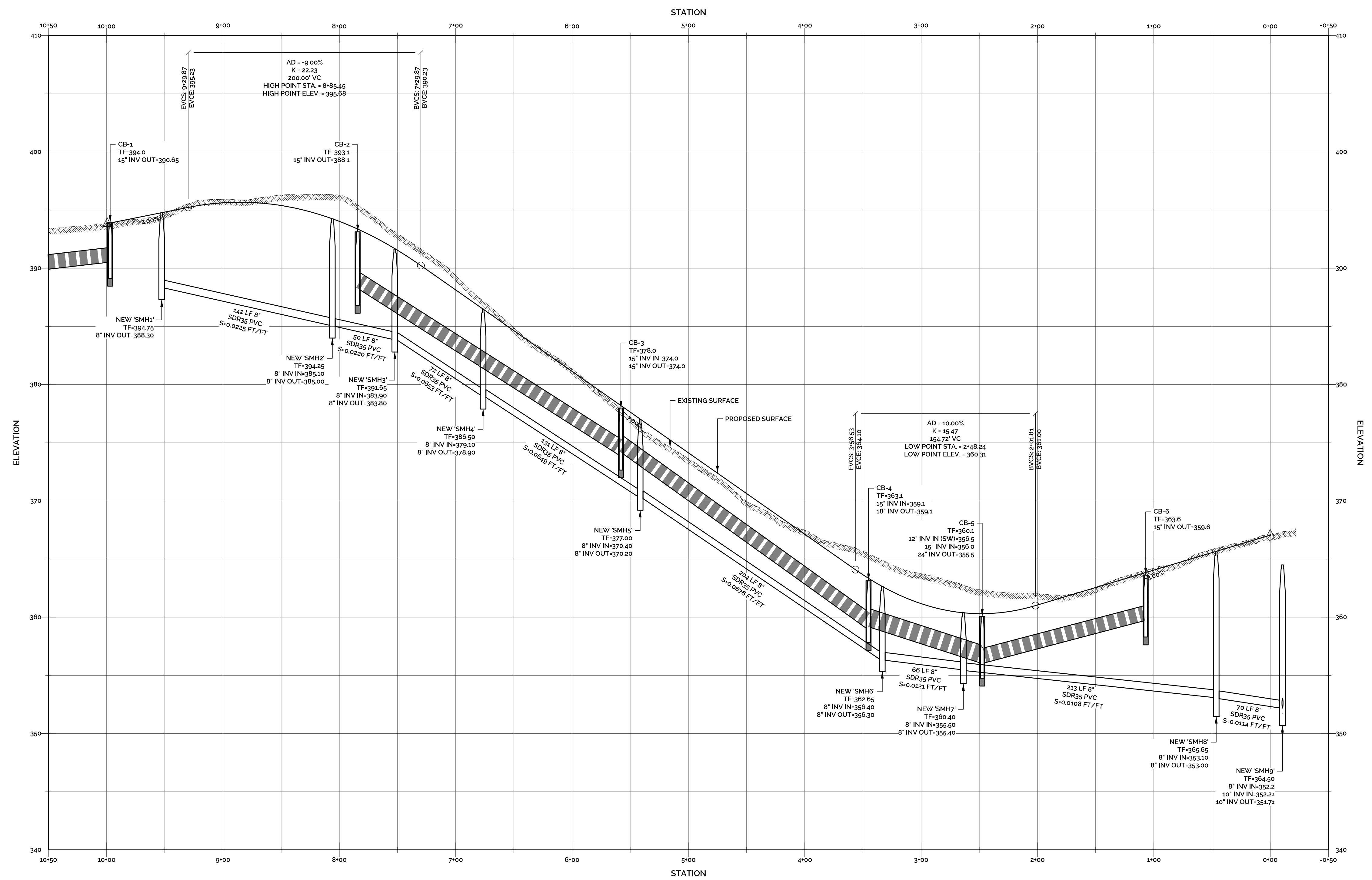


P:\CIVIL 3D PROJECTS\2024\24-3514 MT KINEO SHARP HILL\DWG\DESIGN\10 SIGHT LINE DEMONSTRATION PLAN REV A.DWG

REV.	DESCRIPTION OF REVISION	DATE	BY	APP.
1	REVISIONS IN RESPONSE TO REVIEW COMMENTS	8/15/2025	SMH	APR

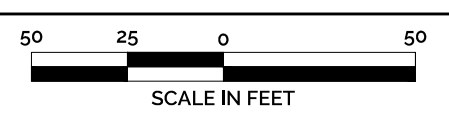


PROPOSED ROADWAY ALIGNMENT
 SCALE: 1"=50'



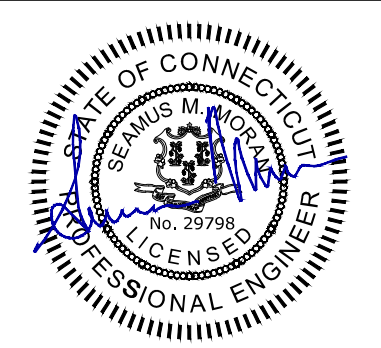
PROPOSED ROADWAY PROFILE
 SCALE: 1"=50' (HORIZONTAL); 1"=5' (VERTICAL)

ROADWAY PLAN & PROFILE
23-Lot Residential Resubdivision
 PROPERTY ADDRESS:
 47 SHARP HILL ROAD, MONTVILLE, CT 06382
 PREPARED FOR:
MT KINEO BUILDERS, LLC
 P.O. BOX 246, WEST MYSTIC, CT 06388



PROJECT NO. 2025-0197	SCALE AS NOTED
DRAWN BY: SMH	DATE 7/10/2025
CHECKED BY: SMM	DATE 7/10/2025

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Z:\SHARPHILL\ENGINEERING ASSOCIATES\PROJECTS\2025\2025-0197 - MT KINEO BUILDERS - 47 SHARP HILL RD, MONTVILLE, CT\2025\11-ROADWAY PLAN & PROFILE\DRAWING\11-ROADWAY PLAN & PROFILE.dwg 11/10/2025 1:48 PM Plotter: 17/25/2025 1:48 PM

SOIL EROSION & SEDIMENTATION CONTROL (SESC) PLAN:

PROJECT DESCRIPTION

- THE APPLICANT IS PROPOSING A 23-LOT RESIDENTIAL RESUBDIVISION LOCATED AT 47 SHARP HILL ROAD IN MONTVILLE. THE PARCEL WAS CREATED AS PART A SUBDIVISION APPROVED IN OCTOBER 2016 AS PART OF THE RESUBDIVISION, THE ROADWAY, ASSOCIATED ROADWAY DRAINAGE SYSTEM, STORMWATER MANAGEMENT IMPROVEMENTS, AND COMMON UTILITIES (SANITARY SEWER, ELECTRICAL, TELEPHONE, CABLE) WILL BE INSTALLED. THE RESIDENCES, DRIVEWAYS, INDIVIDUAL LOT GRADING, AND DRILLED WELLS SHOWN ON THE PLANS FOR THE NEW BUILDING LOTS ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY. NO LOT DEVELOPMENT IS PROPOSED AT THIS TIME. PRIOR TO ANY INDIVIDUAL LOT DEVELOPMENT, A SITE PLAN SHALL BE PREPARED IN CONFORMANCE WITH ALL APPLICABLE LOCAL REGULATIONS, AND REVIEWED AND APPROVED BY THE ZONING ENFORCEMENT OFFICER. THE DEVELOPMENT OF INDIVIDUAL LOTS SHALL NOT ADVERSELY AFFECT THE DEVELOPMENT OF NEWLY CREATED LOTS OR EXISTING ADJUTTING PROPERTIES.
- CONSTRUCTION IS ANTICIPATED TO COMMENCE IN FALL 2025. CONSTRUCTION WILL OCCUR IN TWO PHASES. PHASE ONE WILL INCLUDE THE CONSTRUCTION OF THE ROADWAY, ASSOCIATED ROADWAY DRAINAGE SYSTEM, STORMWATER MANAGEMENT IMPROVEMENTS, AND COMMON UTILITIES. PHASE ONE IS ANTICIPATED TO START FALL 2025 AND END BY FALL 2026 (1-YEAR DURATION). PHASE TWO WILL INCLUDE THE CONSTRUCTION AND BUILD OUT OF EACH BUILDING LOT WITH A HOUSE WHICH WILL OCCUR AS EACH LOT IS SOLD. PHASE TWO IS ANTICIPATED TO START FALL 2026 AND END WINTER 2030 (-5 YEAR DURATION). IT SHOULD BE NOTED PHASE TWO IS NOT PART OF THE SCOPE OF THIS PROJECT AND NO LOT DEVELOPMENT IS PROPOSED AT THIS TIME (SEE NOTE #1 ABOVE). THE EXACT START AND END DATES OF PHASE TWO MAY VARY DUE TO VARIOUS FACTORS SUCH AS THE HOUSING MARKET, INTEREST RATES, ETC.
- EXISTING TOPOGRAPHY ACROSS THE SITE IS MODERATE TO STEEP WITH ELEVATIONS RANGING FROM 416± ALONG THE WESTERN PROPERTY LINE, TO 326± AT THE WETLAND IN THE SOUTHEAST CORNER. PER NRCS SOIL MAPPING, THE UNDERLYING SOIL ACROSS MOST OF THE SITE CONSISTS OF WOODBRIDGE FINE SANDY LOAM HYDROLOGIC SOIL GROUP (C/D). RUNOFF FROM THE SITE EVENTUALLY FLOWS TO ROCKLAND POND LOCATED APPROXIMATELY 0.2 MILES EAST/NORTHEAST OF THE SITE.
- APPROXIMATELY 4.85± ACRES OF THE 19.5± ACRE PARCEL WILL BE DISTURBED BY EARTHWORK ACTIVITIES FOR THE CONSTRUCTION OF THE ROAD AND STORMWATER MANAGEMENT IMPROVEMENTS. THE PROJECT DEVELOPMENT WILL REQUIRE DEMOLITION, CLEARING AND EARTHWORK TO PREPARE THE SITE. EARTHWORK ACTIVITIES WILL EXPOSE SOILS TO EROSION DURING RAINFALL EVENTS.
- THE INTENT OF THIS SESC PLAN IS TO ESTABLISH STORMWATER MANAGEMENT CONTROLS DURING CONSTRUCTION TO PREVENT THE DISCHARGE OF SEDIMENT LADEN RUNOFF FROM ENTERING STORM DRAIN SYSTEMS OR ADJACENT PROPERTIES.
- REFER TO INLAND WETLAND REPORT (UNDER SEPARATE COVER), STORMWATER MANAGEMENT REPORT (UNDER SEPARATE COVER), TEST HOLE LOGS (SHEET 16 OF 16), PERMEABILITY TEST RESULTS (SHEET 16 OF 16), AND STORMWATER MANAGEMENT IMPROVEMENTS AND DETAILS (SHEET 7 AND 16 OF 16), LOW-IMPACT DEVELOPMENT FEATURES INCLUDE MULTIPLE STORMWATER MANAGEMENT BASINS, AN INFILTRATION TRENCH FOR WATER, VEGETATED SWALES, AND DISCONNECTED IMPERVIOUS AREAS.

GENERAL SESC REQUIREMENTS

- THE SITE CONTRACTOR MUST FOLLOW ALL GUIDELINES SET FORTH IN THE MANUAL ENTITLED "CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL," EFFECTIVE DATE: MARCH 30, 2024, PUBLISHED BY THE COUNCIL ON SOIL AND WATER CONSERVATION IN COLLABORATION WITH CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
- SESC MEASURES INTENDED TO MINIMIZE SOIL EROSION AND TO CONTROL SEDIMENTATION DURING CONSTRUCTION INCLUDE:
 - THE INSTALLATION OF SILT FENCE ALONG THE DOWNGRADE LIMIT OF DISTURBANCE.
 - THE IMMEDIATE STABILIZATION OF DISTURBED AREAS THROUGH THE PLACEMENT OF TEMPORARY SEED AND MULCH OR FINAL TOPSOIL, SEED AND MULCH.
 - CONSTRUCTION OF A TEMPORARY SEDIMENT TRAP.
 - THE USE OF EROSION CONTROL BLANKETS TO STABILIZED CUT AND FILL SLOPES GRADED AT 3H:1V OR STEEPER. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN ROLLMAX BIONET C1252BN AS MANUFACTURED BY NORTH AMERICAN GREEN, LOCATED AT 4609 E. BOONVILLE-NEW HARMONY ROAD, EVANSVILLE, INDIANA, 47725.
 - DEVELOPMENT OF A CONSTRUCTION OPERATIONS PLAN IN CONSIDERATION OF BASIC CONSTRUCTION SEQUENCING OUTLINED HEREIN.
- ALL ADJACENT PROPERTIES SHALL BE ADEQUATELY PROTECTED FROM SOIL EROSION AND SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION.
- CONSTRUCTION ENTRANCE SHALL BE INSTALLED BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE SITE BEGINS.
- THE CONTRACTOR SHALL INSTALL SILT FENCING PRIOR TO INITIATING CONSTRUCTION ACTIVITIES AND SHALL BE MAINTAINED/REPAIRED UNTIL FINAL STABILIZATION OF ALL DISTURBED AREAS.
- ALL AREAS SHALL REMAIN UNDISTURBED UNTIL IMMEDIATELY PRIOR TO SITE DEVELOPMENT.
- ALL EXISTING VEGETATION OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL BE PROTECTED. EXISTING VEGETATION SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL SESC BEFORE, DURING AND AFTER CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROLS ONCE THE SITE IS COMPLETELY STABILIZED.
- ALL SESC SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. ALL SESC SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION. INSPECTION REPORTS SHALL BE SENT TO THE ROCKY HILL PLANNING & ZONING DEPARTMENT.

CONSTRUCTION SEQUENCE - ROADWAY, DRAINAGE AND ASSOCIATED EARTHWORK (FALL 2025-FALL 2026)

- THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 800-922-4455 TO MARK OUT ALL UNDERGROUND UTILITIES A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY (-5 DAYS).
- ENSURE ALL LAND USE PERMITS HAVE BEEN SECURED. OBTAIN ALL NECESSARY PERMITS (-30 DAYS).
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE AND SEDIMENT FENCE AS SHOWN ON THE SESC PLAN (-10 DAYS).
- CONSTRUCT TEMPORARY SEDIMENT TRAP (-10 DAYS).
- REMOVE ALL TREES, BRUSH AND STUMPS WITHIN LIMIT OF DISTURBANCE AS NECESSARY. THERE SHALL BE NO BURIAL OF CONSTRUCTION DEBRIS, STUMPS, BRUSH OR UNSUITABLE MATERIAL ON SITE (-45 DAYS).
- REMOVE AND STOCKPILE ALL TOPSOIL ON SITE AND PROVIDE A SEDIMENT FENCE ON THE DOWNSLOPE SIDE. SEED STOCKPILE WITH PERENNIAL RYEGRASS AT A RATE OF 40 POUNDS PER ACRE AND MULCH WITH HAY OR STRAW. IF OUTSIDE THESE GROWING SEASON AREAS SHALL BE STABILIZED WITH STRAW OR HAY MULCHING AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET (-10 DAYS).
- EXCAVATE AND/OR FILL WORK SITE TO SUBGRADE LEVEL (-45 DAYS).
 - NO ROCK CRUSHING AND/OR BLASTING IS PROPOSED. IF BLASTING IS REQUIRED FOR ROCK REMOVAL, A PRE-BLAST SURVEY SHALL BE PERFORMED. IF BLASTING AND ROCK CRUSHING ARE REQUIRED THEN APPROVAL OF THE PLANNING & ZONING COMMISSION MAY BE REQUIRED.
 - FILL WILL BE PLACED AND COMPACTED IN 8 INCH LIFTS AND SHALL BE FREE OF BRUSH, RUBBISH, LOGS, BUILDING DEBRIS, OR ANY OTHER OBJECTIONABLE MATERIAL. CONSTRUCT RETAINING WALLS AS REQUIRED.
 - MOISTEN SOIL SURFACE PERIODICALLY WITH WATER TO MINIMIZE DUST.
- INSTALL STORMWATER MANAGEMENT IMPROVEMENTS AND DRAINAGE STRUCTURES STARTING FROM THE MOST DOWNGRADE IMPROVEMENTS. INSTALL FILTER FABRIC AND/OR HAY BALES AT CATCH BASINS IMMEDIATELY AFTER CATCH BASIN INSTALLATION (-60 DAYS).
- INSTALL SANITARY SEWER LINES & STRUCTURES, TRANSFORMERS, AND ELECTRICAL, TELEPHONE, CABLE CONDUITS (-60 DAYS).
- PLACE AND COMPACT BASE MATERIAL TO FINAL GRADE. INSTALL PAVEMENT BASE COURSE, CURB, ETC (-30 DAYS).
- ALL DISTURBED AREAS NOT COVERED BY PAVEMENT, ETC., SHALL BE GRADED AND STABILIZED (-10 DAYS) AS FOLLOWS:
 - PLACE MINIMUM 4 INCHES OF TOPSOIL IN ALL AREAS.
 - APPLY RECOMMENDED SEED MIXTURE AT RECOMMENDED RATE.
 - APPLY STRAW OR HAY MULCH ON ALL SEED AREAS. ALL GRADED AREAS WITH SLOPES GRADED AT 3H:1V OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.
- INSTALL FINAL PAVEMENT COURSE (-10 DAYS).
- FINAL GRADE AND PLACE TOPSOIL, SEED AND MULCH (-30 DAYS).
- WHEN ALL GRADED AREAS ARE PERMANENTLY STABILIZED, REMOVE ALL EROSION AND SEDIMENT CONTROLS. REMOVE TRAPPED SEDIMENTS (-10 DAYS).

CONSTRUCTION SEQUENCE - INDIVIDUAL LOTS (TIMING OF CONSTRUCTION TBD)

- THE CONSTRUCTION OF INDIVIDUAL BUILDINGS WILL BE COMPLETED AS LOTS ARE SOLD. DURING THE CONSTRUCTION OF EACH BUILDING, THE CONTRACTOR SHALL FOLLOW THE FOLLOWING SESC INSTALLATION PROCEDURES:
 - THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 800-922-4455 TO MARK OUT ALL UNDERGROUND UTILITIES A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.
 - ENSURE ALL LAND USE PERMITS HAVE BEEN SECURED. OBTAIN ALL NECESSARY PERMITS.
 - INSTALL SEDIMENT FENCE ON THE DOWNGRADE EDGE OF PROPOSED DISTURBANCE.
 - REMOVE AND STOCKPILE TOPSOIL ON SITE AND PROVIDE A SEDIMENT FENCE ON THE DOWNSLOPE SIDE. SEED STOCKPILE WITH PERENNIAL RYEGRASS AT A RATE OF 40 POUNDS PER ACRE AND MULCH WITH HAY OR STRAW. IF OUTSIDE THESE GROWING SEASON AREAS SHALL BE STABILIZED WITH STRAW OR HAY MULCHING AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET.
 - BEGIN CONSTRUCTION OF BUILDING AND INSTALL UTILITIES. ADD EROSION CONTROL DEVICES AS NEEDED.
 - PLACE AND COMPACT BASE MATERIAL TO FINAL GRADE. INSTALL PAVEMENT BASE COURSE, CURB, SIDEWALKS, STEPS, ETC.
 - ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PARKING, SIDEWALKS, ETC., SHALL BE GRADED AND STABILIZED AS FOLLOWS:
 - PLACE MINIMUM 4 INCHES OF TOPSOIL IN ALL AREAS.
 - APPLY RECOMMENDED SEED MIXTURE AT RECOMMENDED RATE.
 - APPLY STRAW OR HAY MULCH ON ALL SEED AREAS. ALL GRADED AREAS WITH SLOPES GRADED AT 3H:1V OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.
 - INSTALL FINAL PAVEMENT COURSE.
 - FINAL GRADE AND PLACE TOPSOIL, SEED AND MULCH.
 - WHEN ALL GRADED AREAS ARE PERMANENTLY STABILIZED, REMOVE ALL EROSION AND SEDIMENT CONTROLS. REMOVE TRAPPED SEDIMENTS.

SESC PLAN (CONTINUED):

TRENCH EXCAVATION AND BACKFILL

- THE CONTRACTOR SHALL PROPERLY MAINTAIN ALL BACKFILLED EXCAVATIONS. ANY DEPRESSIONS DUE TO SETTLING IN THESE AREAS SHALL BE FILLED AND RESEED AS NECESSARY.
- THE WIDTH OF ALL EXCAVATED TRENCHES SHALL BE KEPT AS NARROW AS PRACTICABLE TO ACCOMMODATE THE WORK. ALL MATERIALS EXCAVATED FROM TRENCHES SHALL BE STOCKPILED AND USED AS TRENCH BACKFILL. MATERIAL UNLESS IT IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER. EXCESS MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

VEGETATIVE TURF ESTABLISHMENT PROCEDURE

- SCARIFY ALL AREAS TO BE TOPSOILED AND SEEDED. APPLY A MINIMUM OF 4 INCHES OF TOPSOIL ON ALL AREAS TO BE SEEDED. APPLY GRASS SEED, LIME, FERTILIZER AND MULCH ACCORDING TO THE FOLLOWING SCHEDULE:

CREeping RED FESCUE	0.45 LBS. PER 1,000 SQ. FT.
REDTOP	0.05
TALL FESCUE	0.45
TOTAL	0.95
- FERTILIZER: 10-10-10 APPLY AT 7.5 LBS. PER 1,000 SQ. FT.
- LIMESTONE: 15-15-15 APPLY AT 150 LBS. PER 1,000 SQ. FT.
- MULCHING: SPREAD HAY OR STRAW OVER ALL AREAS AFTER SEEDING. USE 1 1/2 TO 2 BALES PER 1,000 SQ. FT. TARGET FOR 100% COVERAGE. ANCHOR BY USING NETTING OR TRACKING AS NECESSARY.
- TEMPORARY EROSION CONTROL BLANKETS: USE TEMPORARY EROSION CONTROL BLANKETS ON ALL SEEDED SLOPES GRADED AT 3H:1V OR STEEPER AND/OR AS DIRECTED BY THE DESIGN ENGINEER.
- SEEDING DATES: SEEDING DATES IN CONNECTICUT ARE NORMALLY APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1. SEED GERMINATION NORMALLY CANNOT BE EXPECTED FROM NOVEMBER THROUGH FEBRUARY. IF ADEQUATE SEED GERMINATION IS NOT POSSIBLE DUE TO TIME OF YEAR CONSTRAINTS, MULCHING SHALL BE ADEQUATELY PROVIDED TO PROTECT THE SEED FROM WIND AND SURFACE EROSION UNTIL THE WEATHER IMPROVES AND THE SEEDING BECOMES WELL ESTABLISHED.

MAXIMUM SPACING BETWEEN CHECK DAMS FOR A 3' CHECK DAM HEIGHT

CHANNEL SLOPE	LENGTH
1% TO 3%	100'
4%	75'
5%	60'
6%	50'
7%	43'
8%	38'

MAINTENANCE OF EROSION CONTROL DEVICES:

HAYBALE BARRIERS/GEOTEXTILE SILT FENCES:

- INSPECT HAY BALE BARRIERS/GEOTEXTILE SILT FENCE AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2" OR GREATER TO DETERMINE MAINTENANCE NEEDS.
- REMOVE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER/FENCE WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF HEIGHT OF THE BARRIER/FENCE.
- REPLACE OR REPAIR THE BARRIER/FENCE WITHIN 24 HOURS OF OBSERVED FAILURE. IF REPETITIVE FAILURE OCCURS, CONSULT 2002 GUIDELINES FOR TROUBLESHOOTING FAILURES.
- MAINTAIN THE HAY BALE BARRIER/SILT FENCE UNTIL THE CONTRIBUTING AREA IS STABILIZED.
- AFTER UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE STAKES FROM HAY BALES. PULL UP FENCE SUPPORT POSTS AND CUT OFF GEOTEXTILE AT GROUND UNLESS OTHERWISE REQUIRED. HAY BALES MAY BE LEFT IN PLACE OR BROKEN UP FOR GROUND COVER. IF ACCUMULATED SEDIMENT EXCEEDS 6 INCHES, RE-GRADE OR REMOVE SEDIMENT. STABILIZE ANY DISTURBED SOILS.

CONSTRUCTION ENTRANCES AND ROADWAYS:

- MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENTS ONTO PAVED SURFACES.
- PROVIDE PERIODIC TOP DRESSING AND ADDITIONAL STONE OR LENGTH AS NECESSARY.
- IMMEDIATELY REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES. ROADS ADJACENT TO THE CONSTRUCTION SITE SHALL BE LEFT CLEAN EVERY DAY.

TEMPORARY SEDIMENT TRAP:

- INSPECTIONS SHALL BE AT SAME INTERVALS AS THE HAYBALE BARRIER/SILT FENCE INSPECTION SCHEDULE.
- OUTLET SHALL BE CHECKED FOR INTEGRITY. HEIGHT OF THE STONE OUTLET SHALL BE MAINTAINED AT ONE FOOT BELOW CREST OF EMBANKMENT. SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE SHOULD BE OBSERVED.
- WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF OF THE MINIMUM REQUIRED STORAGE VOLUME, DE-WATER BASIN, REMOVE SEDIMENTS, RESTORE TRAP TO ORIGINAL DIMENSIONS AND DISPOSE OF SEDIMENT AT A LOCATION AND MANNER THAT WILL NOT RESULT IN EROSION OR SEDIMENTATION.
- AFTER CONTRIBUTING AREA IS STABILIZED, REMOVE BASIN, AND RE-GRADE AND STABILIZE AREA.

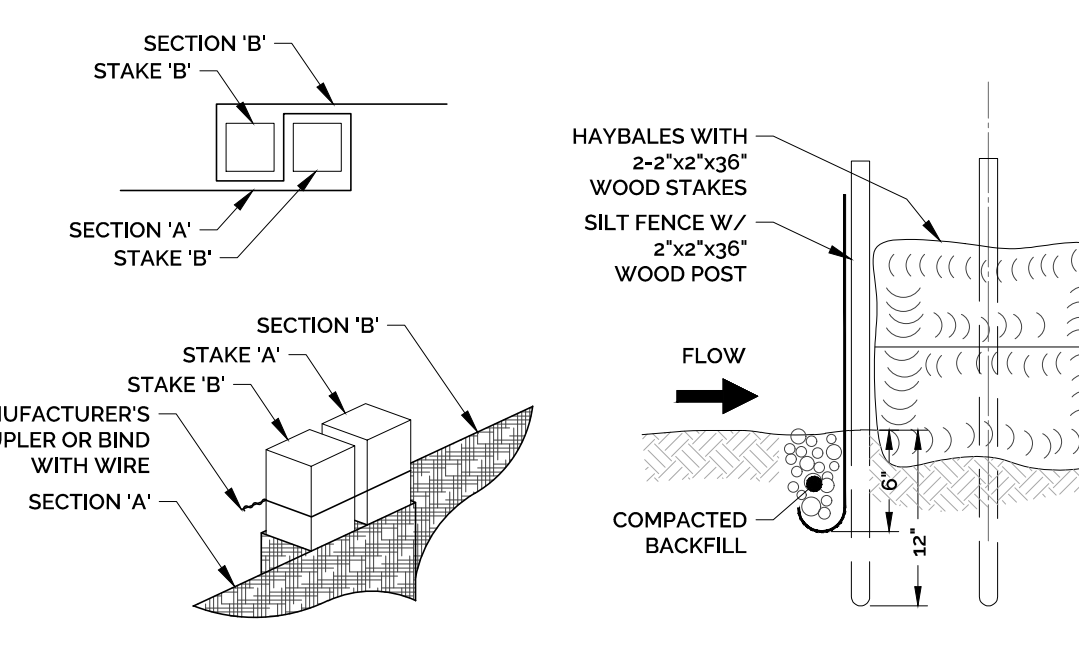
TEMPORARY CHECK DAMS:

- INSPECT CHECK DAMS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2" OR GREATER TO DETERMINE MAINTENANCE NEEDS.
- REMOVE THE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE CHECK DAM.
- REPLACE OR REPAIR THE CHECK DAM WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE CHECK DAM HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BECAUSE ONE OR MORE OF THE FOLLOWING:
 - STONE OR FIBER ROLLS HAVE MOVED
 - SOIL HAS ERODED AROUND OR UNDER THE CHECK DAM REDUCING ITS FUNCTIONAL CAPACITY
 - TRAPPED SEDIMENTS ARE OVERTOPPING THE CHECK DAM
- WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF ADDITIONAL CONTROLS (E.G., TEMPORARY STABILIZATION OF CONTRIBUTING AREA, DIVERSIONS, CHECK DAMS) ARE NEEDED TO REDUCE FAILURE RATE.
- MAINTAIN THE CHECK DAM UNTIL THE CONTRIBUTING AREA IS STABILIZED.
- AFTER THE CONTRIBUTING AREA IS STABILIZED, REMOVE ACCUMULATED SEDIMENT AND REMOVAL ALL STONE. STABILIZE (SEED AND MULCH) ANY DISTURBED SOIL THAT REMAINS FROM CHECK DAM REMOVAL OPERATIONS IMMEDIATELY FOLLOWING THEIR REMOVAL.

TEMPORARY DIVERSION DITCHES/SWALES:

- WHEN THE TEMPORARY DIVERSION IS LOCATED IN CLOSE PROXIMITY TO ONGOING CONSTRUCTION ACTIVITIES, INSPECT AT THE END OF EACH DAY AND IMMEDIATELY REPAIR DAMAGES, OTHERWISE, INSPECT ON SAME INTERVAL AS THE TEMPORARY SEDIMENT TRAP.
- REPAIR THE DIVERSION WITHIN 24 HOURS OF ANY OBSERVED FAILURE. FAILURE HAS OCCURRED WHEN THE DIVERSION HAS BEEN DAMAGED SUCH THAT IT NO LONGER MEETS THE SPECIFICATIONS IN THE 2002 GUIDELINES.
- IF REPETITIVE FAILURES OCCUR, REVIEW CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES OR AN ALTERNATIVE MEASURE IS NECESSARY.

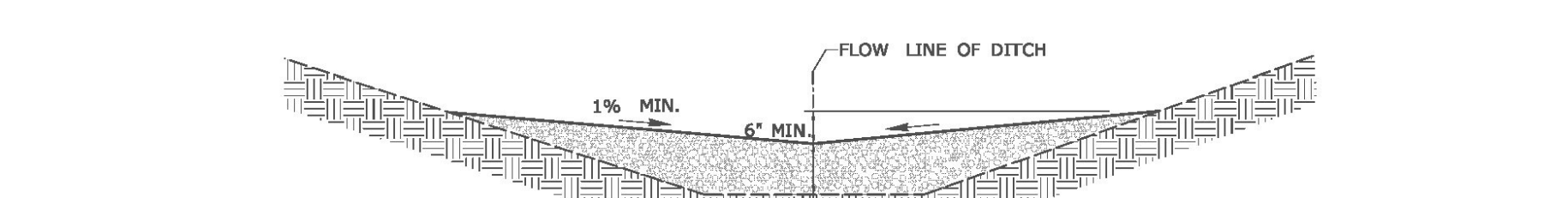
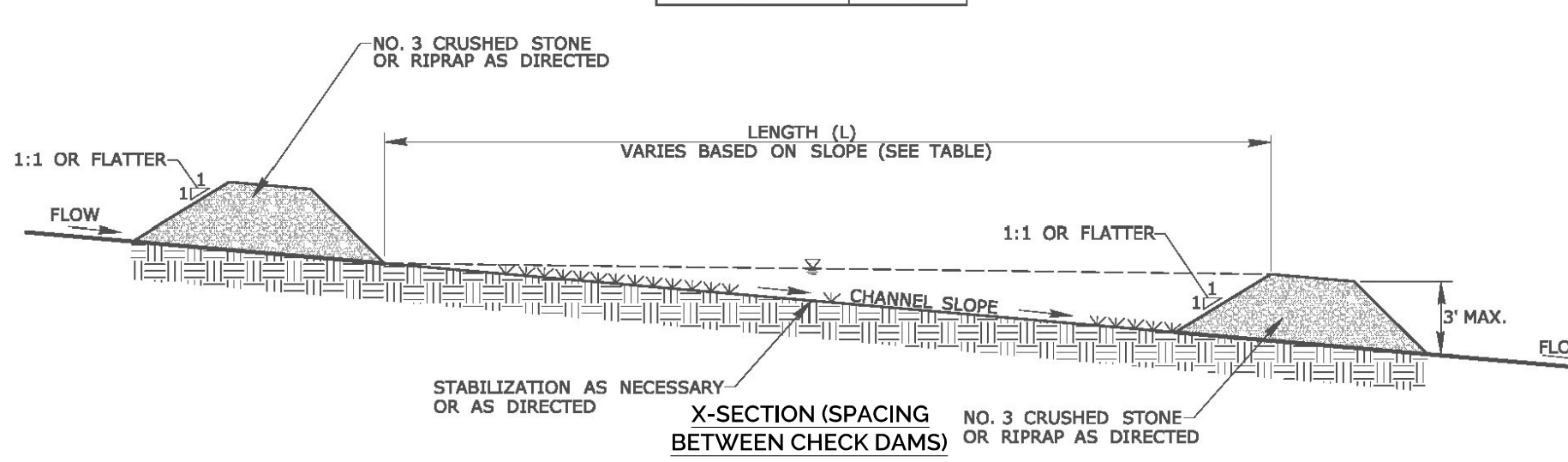
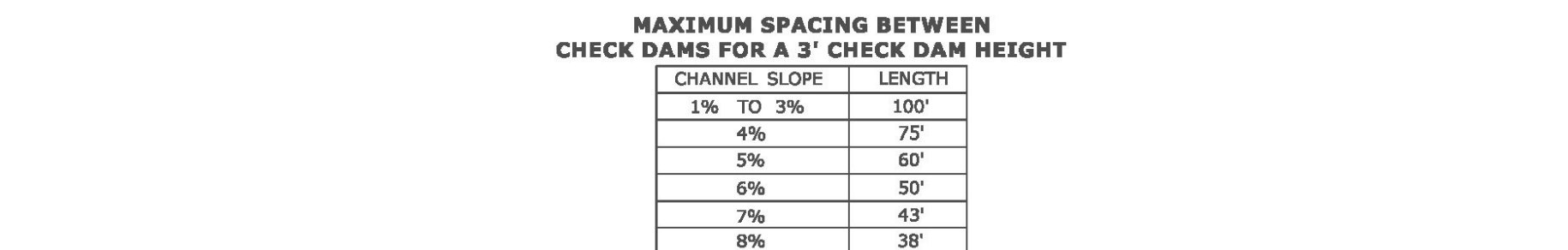
COUPLING OF ADJACENT STAKES



- INSTALLATION NOTES FOR SILT FENCE/HAYBALES**
- PLACE HAY BALES ON CONTOUR AND WITH LAST HAY BALES UPSLOPE TO THAT TOP OF LAST SEVERAL HAY BALES ARE HIGHER THAN LINE OF HAY BALES.
 - EXCAVATE TRENCH 4" MIN AND PLACE FILL UPSLOPE OF TRENCH
 - PLACE HAY BALE AND STAKE FIRST STAKE AT ANGLE TOWARDS FIRST BAKE. STAKES ARE 18" MIN. INTO GROUND.
 - WEDGE LOOSE HAY BETWEEN BALES.
 - BACKFILL & COMPACT EXCAVATED FILL ALONG UPHILL SIDE OF HAY BALE.

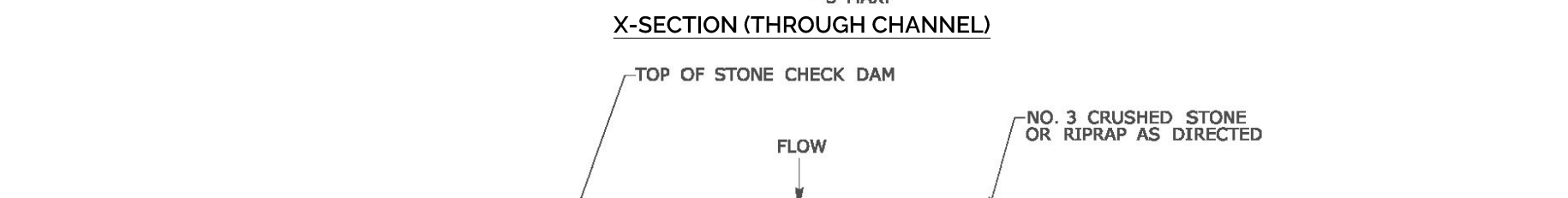
TYPICAL HAYBALE BACKED SEDIMENT FENCE DETAIL

NOT TO SCALE



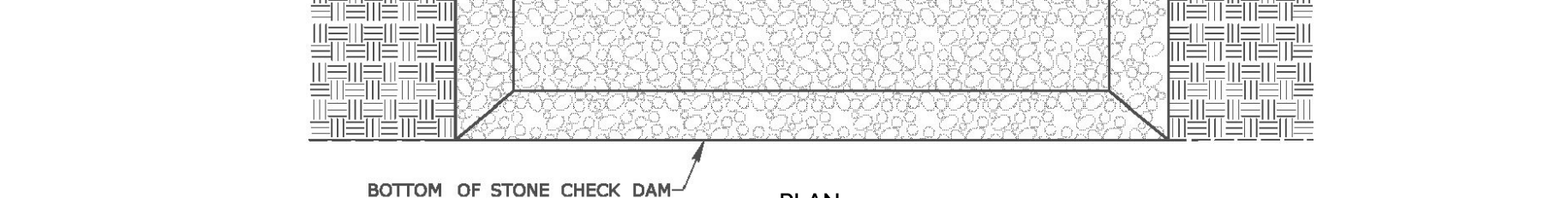
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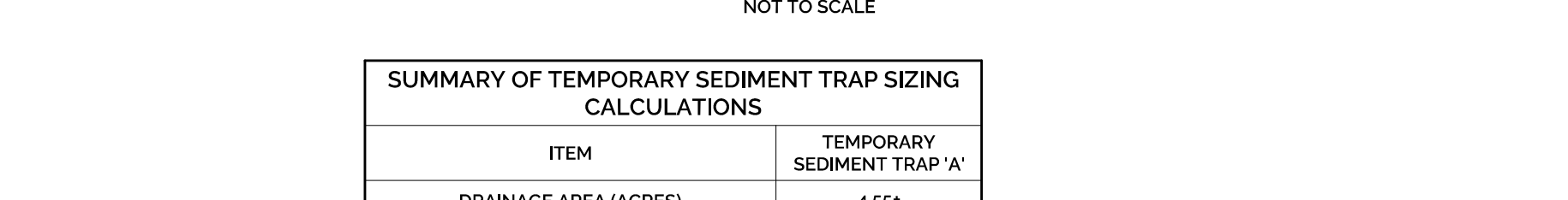
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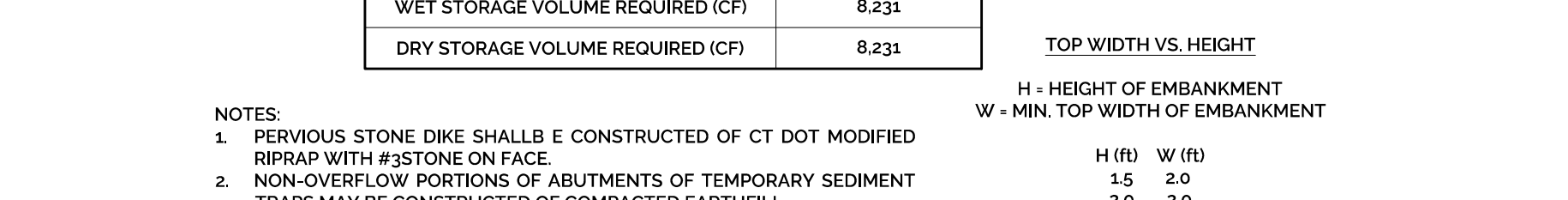
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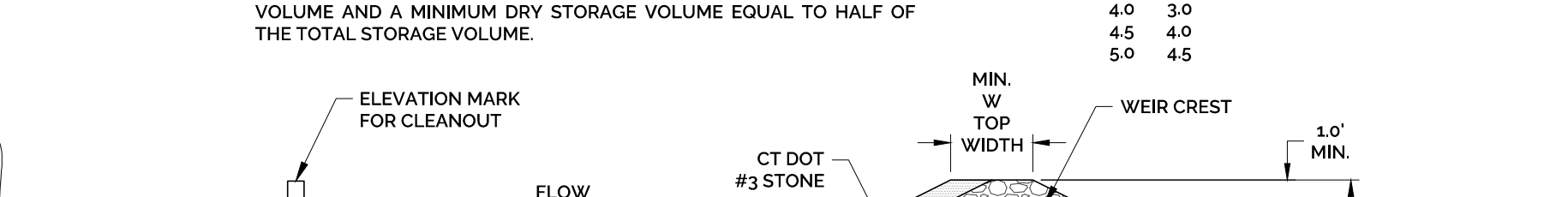
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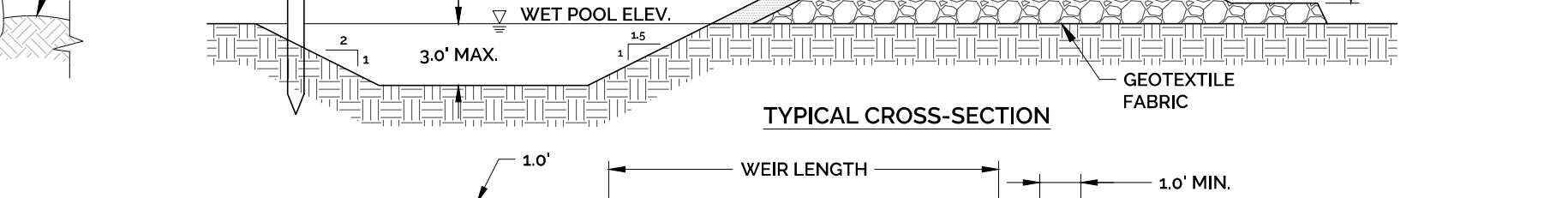
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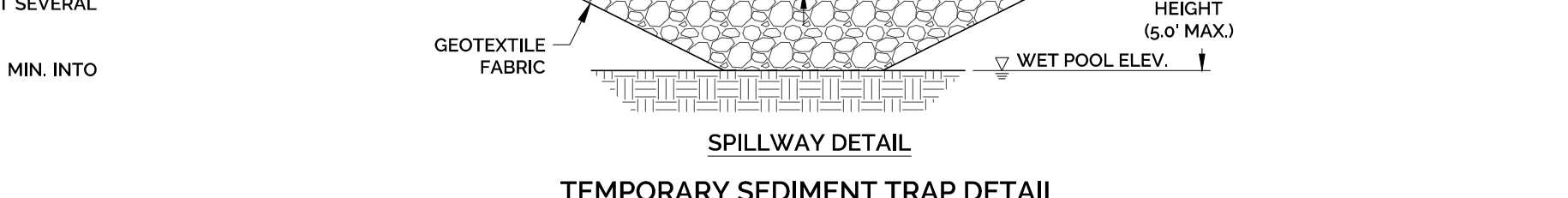
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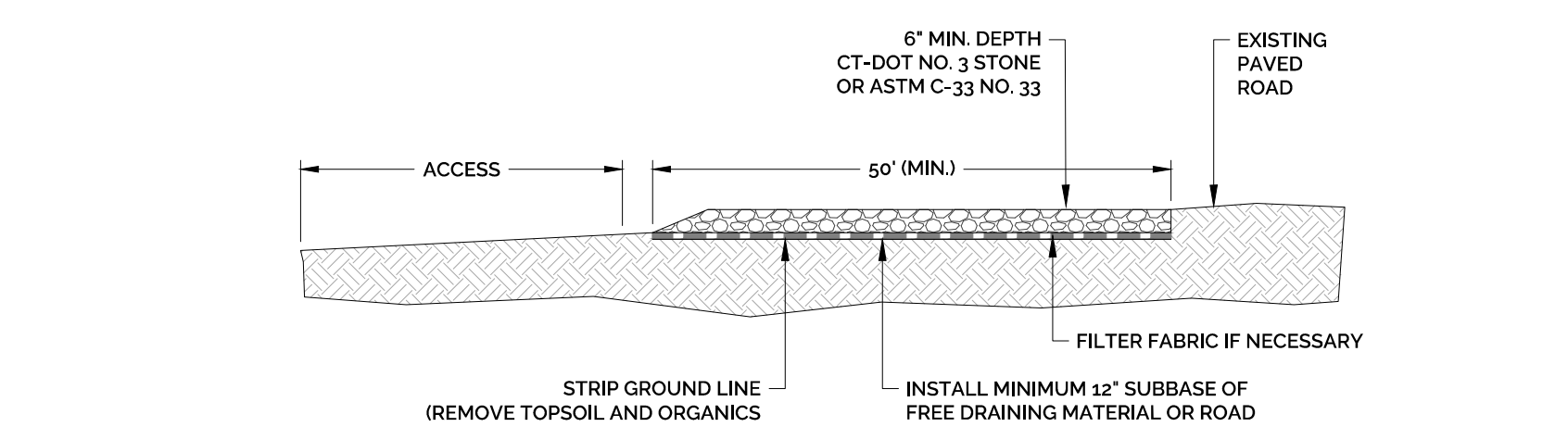
TEMPORARY SEDIMENT TRAP DETAIL

NOT TO SCALE



TEMPORARY SEDIMENT TRAP DETAIL

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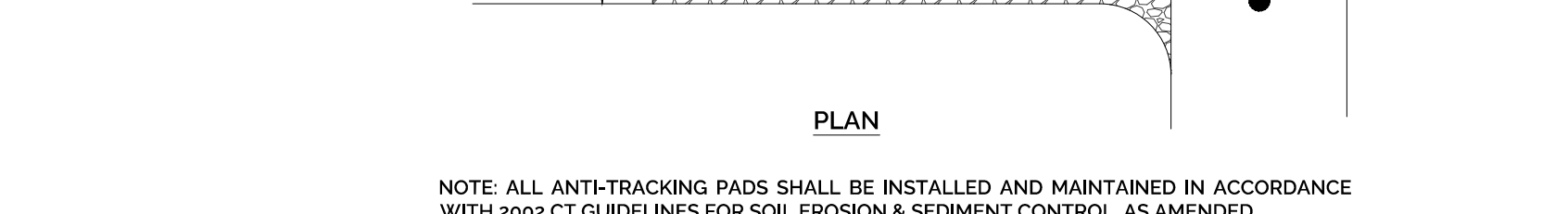
LONGITUDINAL SECTION

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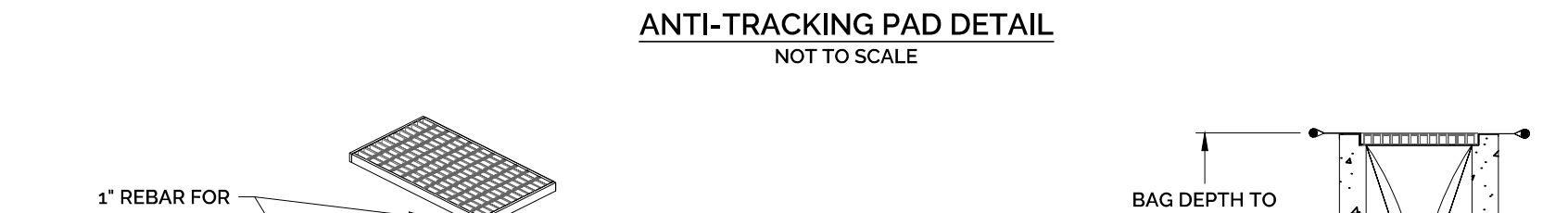
ANTI-TRACKING PAD DETAIL

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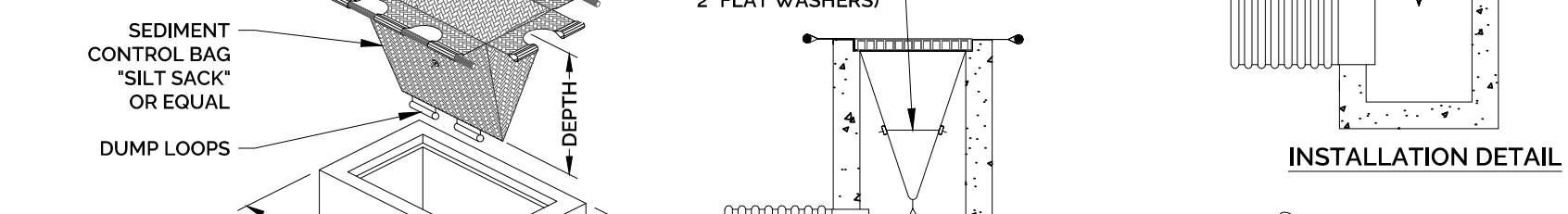
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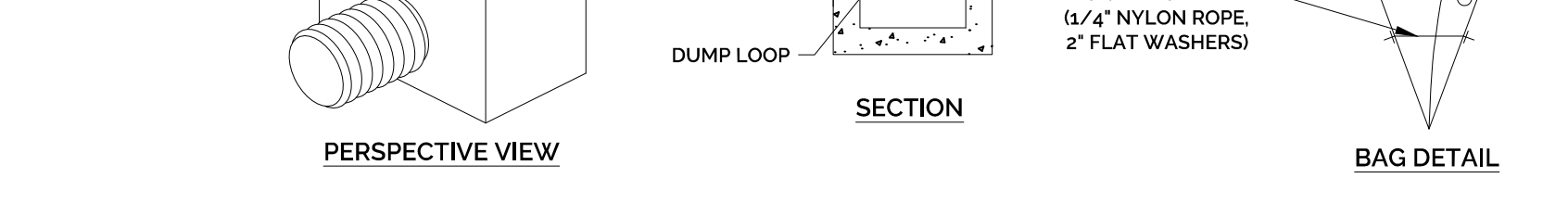
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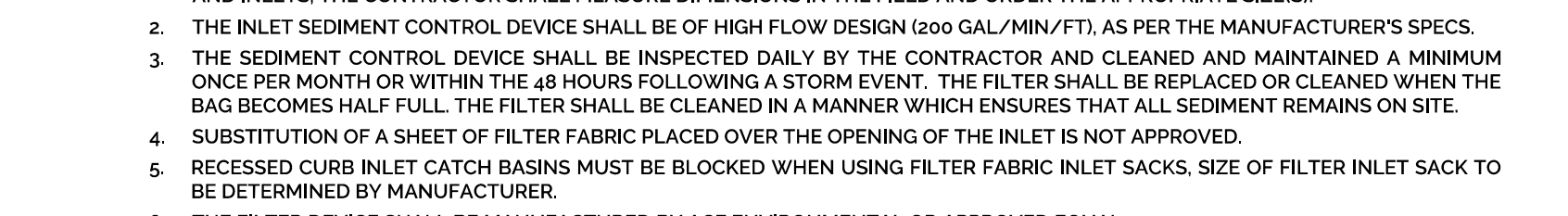
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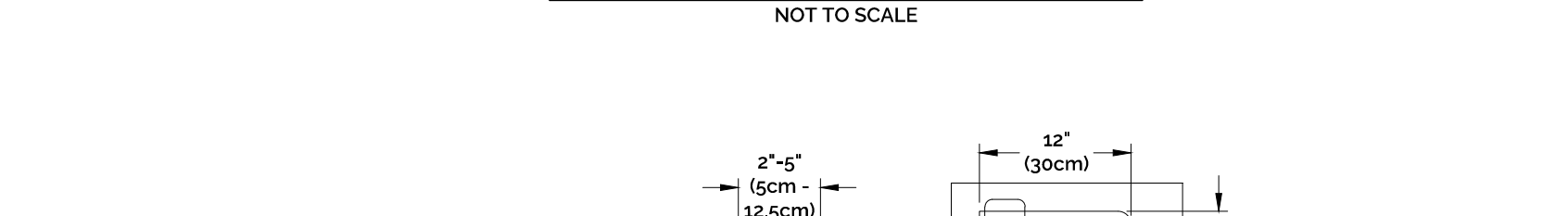
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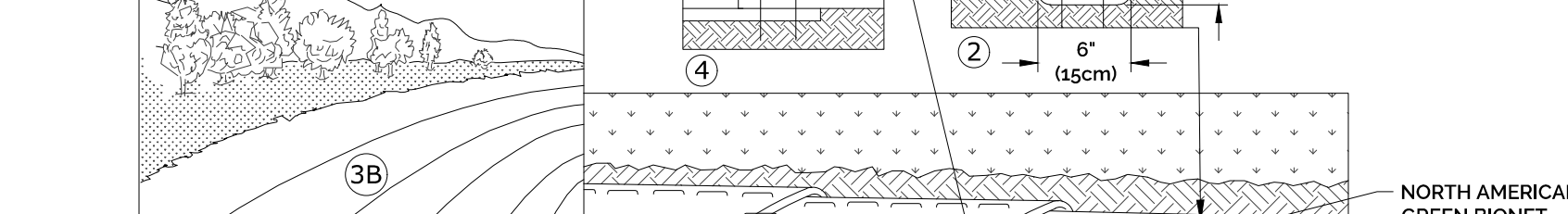
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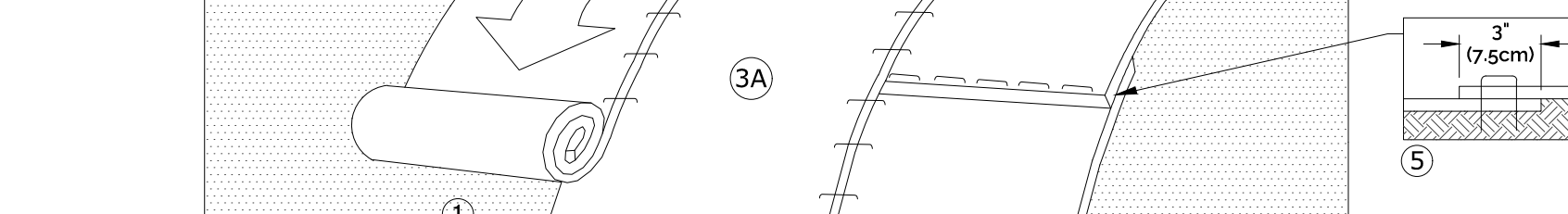
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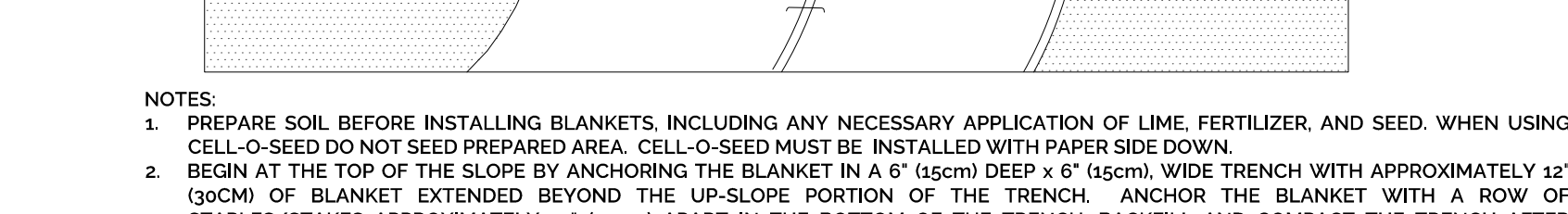
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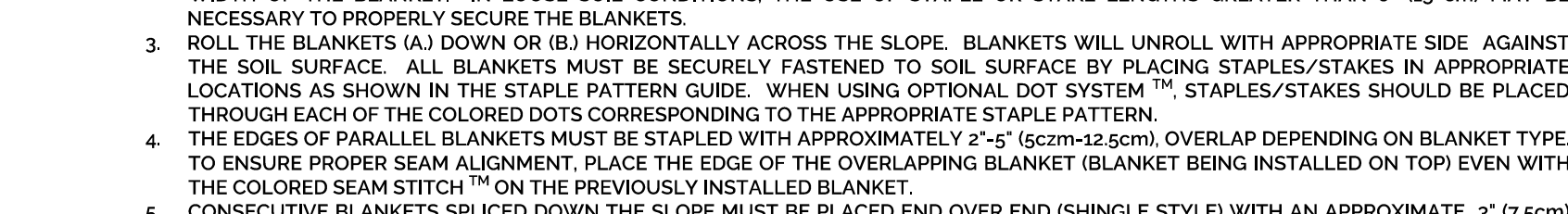
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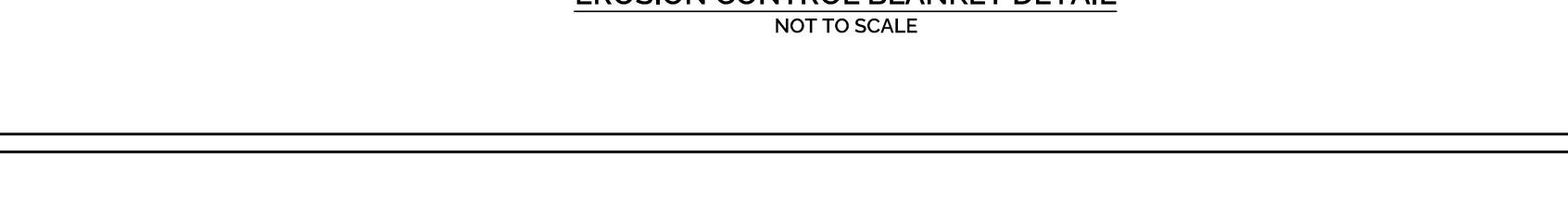
ANTI-TRACKING PAD DETAIL

NOT TO SCALE



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CATCH BASIN FILTER (SILT SACK) DETAIL

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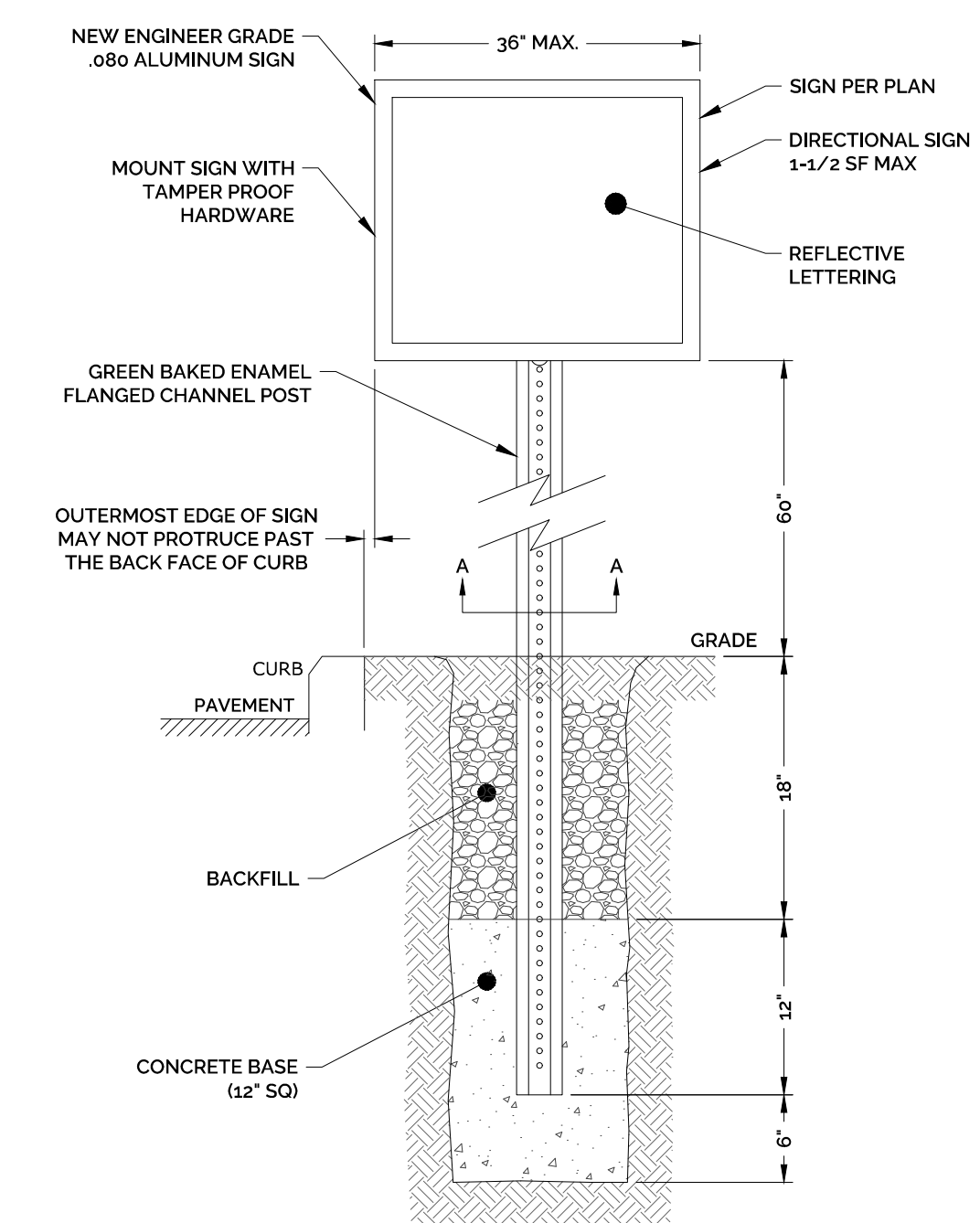
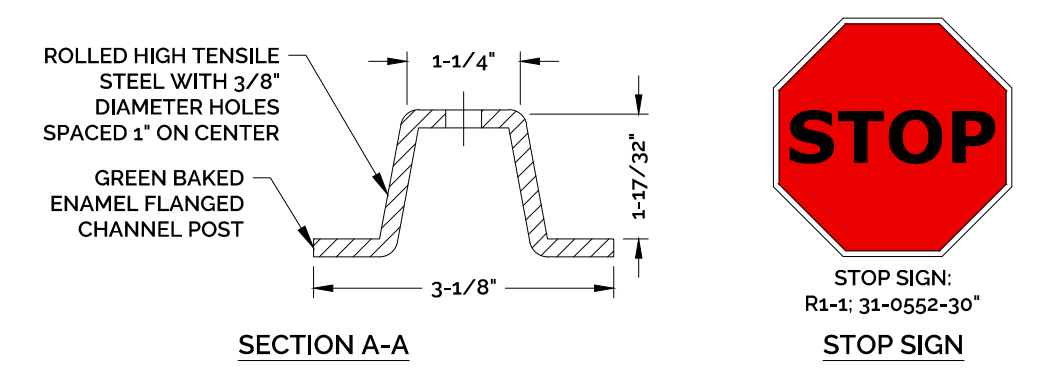
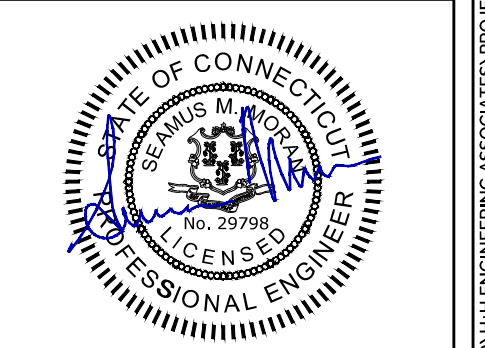
CATCH BASIN FILTER (SILT SACK) DETAIL

REV.	DATE	DESCRIPTION OF REVISION
1	8/15/2025	REVISIONS IN RESPONSE TO REVIEW COMMENTS
		APPR.
		SMM

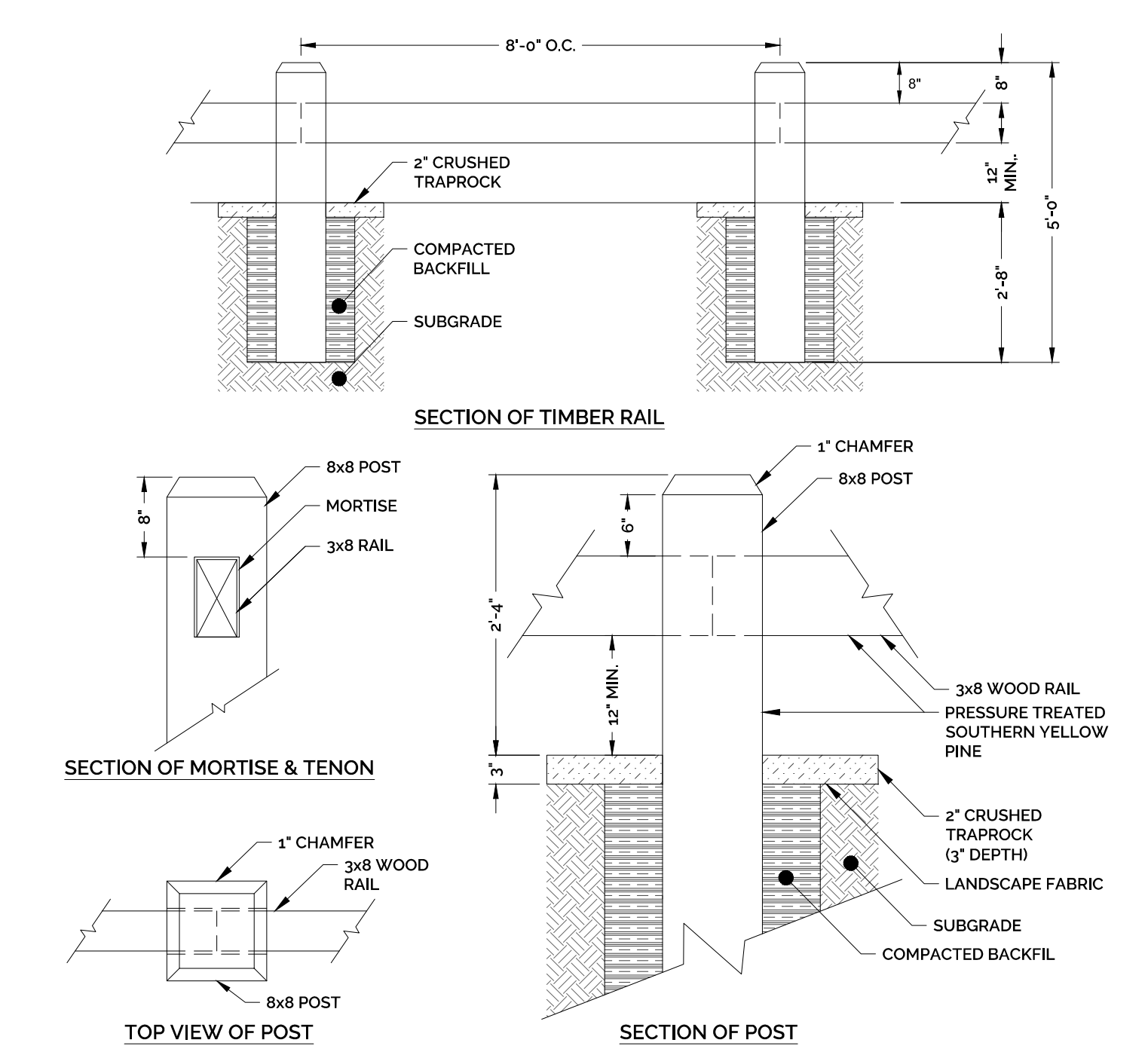
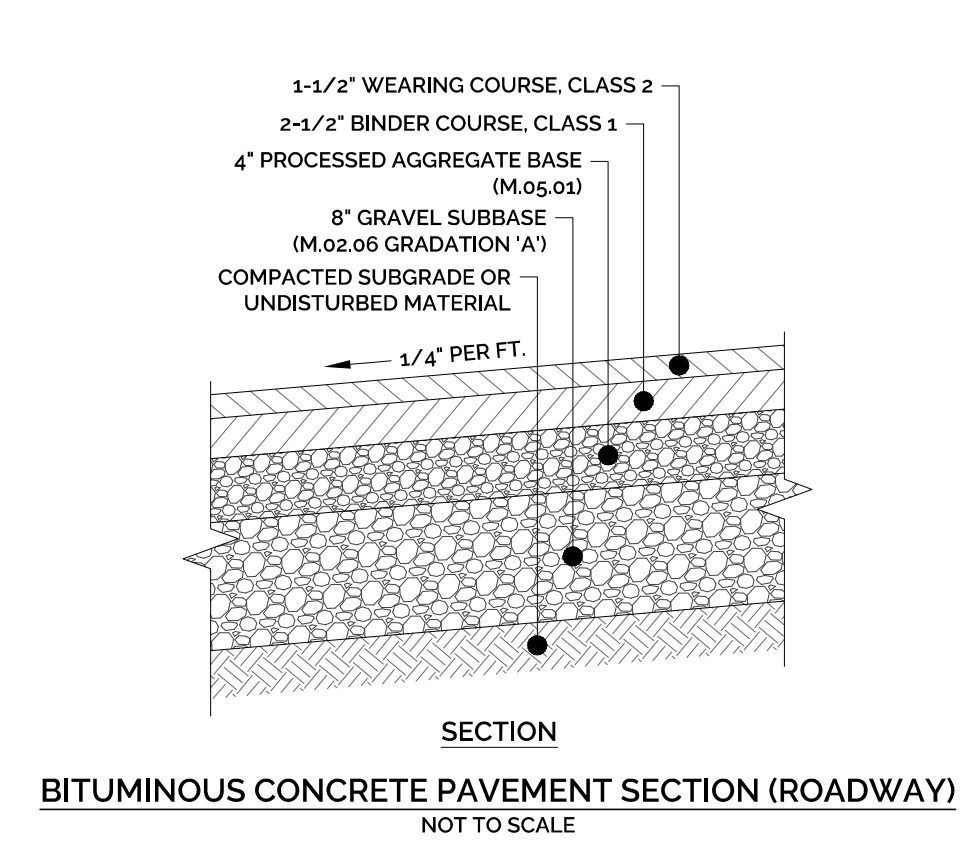
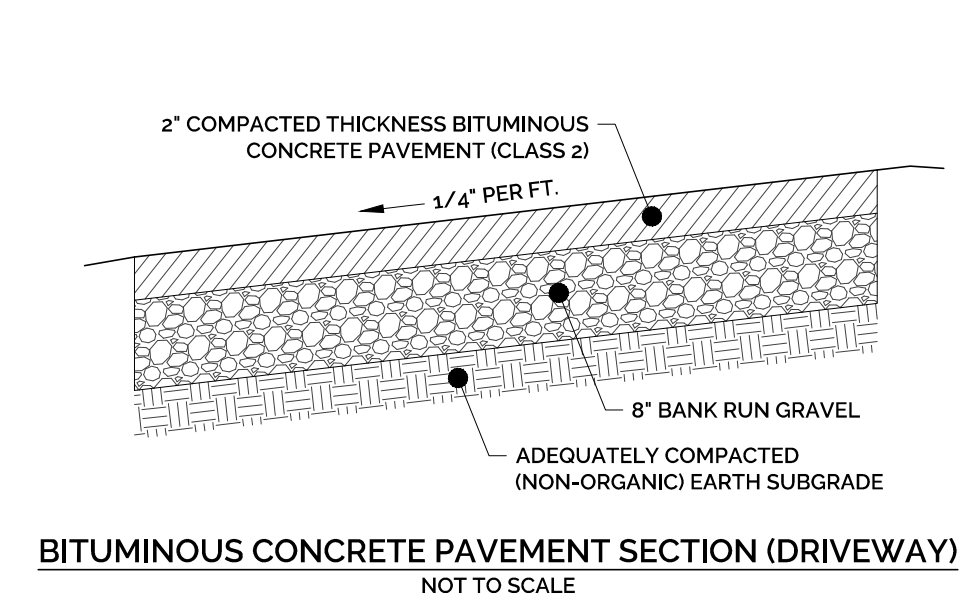
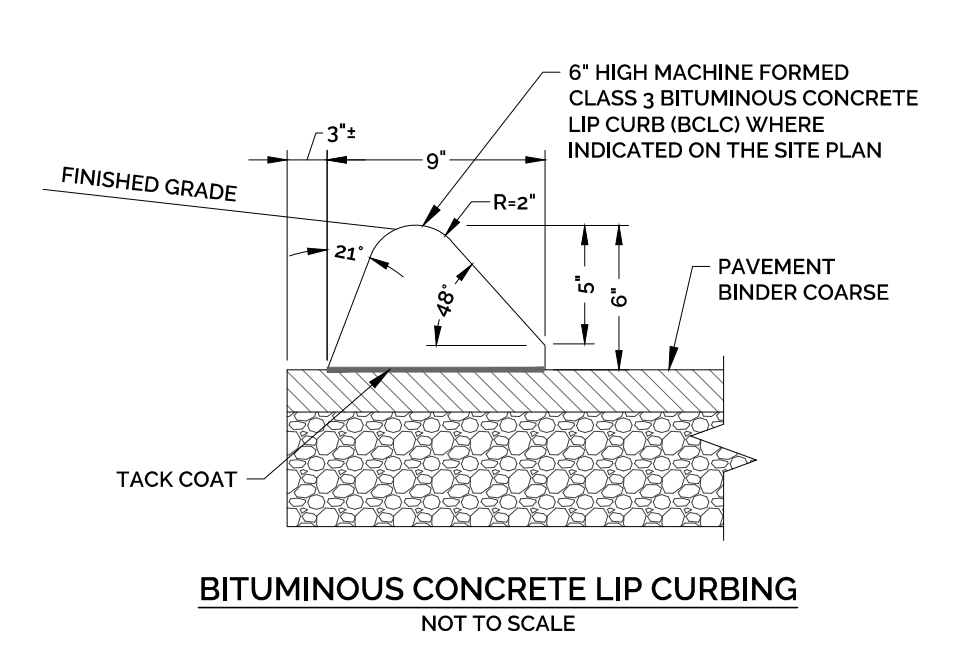
SITE DETAILS
23-LOT RESIDENTIAL RESUBDIVISION
 PROPERTY ADDRESS:
47 SHARP HILL ROAD, MONTVILLE, CT 06382
 PREPARED FOR:
MT KINEO BUILDERS, LLC
 P.O. BOX 246, WEST MYSTIC, CT 06388

PROJECT NO. 2025-0197	SCALE AS NOTED
DRAWN BY: SMM	DATE 7/10/2025
CHECKED BY: SMM	DATE 7/10/2025

DRAWING
DT-1



- NOTES:
- SIGN MUST BE INSTALLED PERPENDICULAR TO TRAVEL LANE.
 - SIGNS INSTALLATIONS WITHIN THE STATE OF CONNECTICUT RIGHT OF WAY SHALL INCLUDE BREAKAWAY MOUNTING
 - ALL SIGNS WITHIN THE CITY R.O.W. ARE TO BE HIGH INTENSITY PRISMATIC, INSTALLED WITH BREAKAWAY POSTS AND IN ACCORDANCE WITH THE M.U.T.C.D.
 - SIGN MATERIALS SHALL BE IN ACCORDANCE WITH SECTION M.18 OF THE CONDOT STANDARD SPECIFICATIONS FOR ROADWAY, BRIDGES AND INCIDENTAL CONSTRUCTION.



- NOTES:
- ANY FIELD CUTTING, DRILLING, OR MACHINING OF POST AND RAILS SHALL BE RETREATED WITH 2 BRUSH COATS OF COPPER NAPHTHENATE.
 - RAILS AND POST SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 2 DENSE TREATED WITH C.C.A. (AWPA STANDARD P5) WITH A MINIMUM RETENTION OF 0.6 POUNDS PER CUBIC FEET (P.C.F.) TIMBER SHALL BE KILN DRIED AFTER TREATMENT (KDAT) TO < 19% M.C.
 - BACKFILL IN ALL CASES SHALL BE MADE WITH MATERIAL CAPABLE OF BEING COMPACTED.
 - ALL POSTS SHALL BE ERRECTED TO THE LINES AND GRADES INDICATED IN THE DRAWINGS THE TOP INSIDE EDGES OF ALL POSTS SHALL BE WITHIN 1/4 INCH OF THEIR CORRECT POSITION.
 - ALL SURFACES WHERE THE PRESERVATIVE ENVELOPE IS INTERRUPTED SHALL RECEIVE TWO BRUSH COATS OF COPPER NAPHTHENATE.
 - CRUSHED TRAPROCK SHALL BE PLACED ALONG THE ENTIRE LENGTH OF THE FENCE.

