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**Sent:** Wednesday, June 05, 2019 8:08 AM

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**Subject:** Fusion Solar Center Long-Term Control Measures Construction Commencement

Good afternoon,

Wanted to send out a quick note that Fusion Solar will be starting work this week to convert the short-term storm water control measures previously implemented to what we're calling long-term control measures. I have attached for reference a drawing approved by CTDEEP for what the long-term control measure plan consists of. There will be between 4 and 8 people on-site this week through the end of July/early August performing this work, which continues to focus mostly around re-vegetation and preventing water from leaving the site.

We are pleased with how well vegetation has grown across the site over the past year, and how that has helped with storm water control during this period.

Please feel free to email or call me with any questions, comments, or feedback.



SCALE: 1" = 2000'

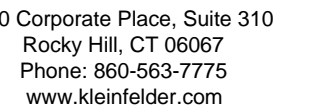
SHEET	TITLE
C-1	COVER
C-2	NOTES
C-3 - C-5	GRADING AND DRAINAGE PLANS
C-6 - C-9	DRY SWALE TYPICAL SECTIONS
C-10 - C-12	DETAILS

LOCATION:  
POTASH HILL ROAD  
SPRAGUE, CONNECTICUT



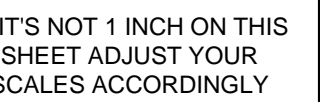
**DEPCOM  
POWER®**

9200 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85258  
(480) 270-6910



## REVISIONS

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING



COVER



DEPCOM POWER  
10 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85258

## PERMANENT STABILIZATION

C-1



CAD FILE: C:\working\kleinfelder\p01\kafolder\_2\block\017910\C-2\_172893\_Note.dwg LAYOUT: 2 NOTES PLOTTED: 8/15/2018 4:48 PM BY: ken black

GENERAL NOTES

1. TOPOGRAPHIC SURVEY PREPARED FOR FUSION SOLAR CENTER, LLC HAS BEEN PROVIDED BY FUSS AND O'NEILL, INC., DATED 5/29/2015 OUTSIDE OF THE DELINEATION LINE AND 04/18/2018 INSIDE OF THE DELINEATION LINE AS SHOWN ON THE PLANS.
2. WETLAND AND STREAM DELINEATION PROVIDED BY ALL-POINTS TECHNOLOGY CORPORATION, P.C.'S ENVIRONMENTAL ASSESSMENT, DATED JULY, 2015.
3. EXCESS CUT MATERIAL SHALL BE SPOILED AND STABILIZED ON SITE. SPOILING SHALL BE DONE IN AREAS SUCH THAT WETLANDS, 100' WETLAND BUFFER, AND STREAMS WILL NOT BE AFFECTED.
4. THE SITE DOES NOT CONTAIN ANY EXISTING SPECIES OF VEGETATION THAT IS TO BE PROTECTED.
5. THE CONTRACTOR SHALL TAKE CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED AREAS OR SEDIMENTATION AND EROSION CONTROL MEASURES.
6. THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIALS (HAY BALES, SILT FENCE, JUTE MESH, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
7. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK CLEAN STORMDRAIN SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM THE REGULATORY AGENCY.

SUGGESTED CONSTRUCTION SEQUENCE

1. CONSULT WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR PRIOR TO BEGINNING THE CONVERSION FROM TEMPORARY SEDIMENT TRAPS TO DECOMMISSIONED SEDIMENT TRAPS TO ENSURE THAT THE TIMING IS APPROPRIATE FOR THE CONVERSION TO TAKE PLACE.
2. INSPECT EACH SEDIMENTATION TRAP AND BASIN TO REVIEW CORRECTIVE ACTION FOR PERMANENT STABILIZATION CONDITIONS.
3. INSTALL A EARTH BERM DOWN GRADIENT OF C.S. BERMS AS SHOWN ON THE PLANS. MINIMIZE DISTURBANCE TO STABILIZED AREAS BY STAGING EXCAVATION EQUIPMENT INSIDE OF SILT FENCE TO THE EXTENT PRACTICAL.
4. INSTALL DRY SWALES IN LOCATIONS WHERE TEMPORARY DIVERSION DITCHES ARE CONSTRUCTED AND OTHER LOCATIONS AS SHOWN ON THE PLANS. SEED AND TACK JUTE AS REQUIRED OR OTHER SUITABLE MATERIAL TO THE BOTTOM AND SIDE SLOPES OF THE DRY SWALE.
5. INSTALL RIP RAP CHECK DAMS IN DRY SWALES AT INTERVAL SPACING PER THE DETAIL REQUIREMENTS.
6. INSTALL PERMANENT DIVERSIONS AT LOCATIONS AS SHOWN ON THE PLANS. SEED AND INSTALL EROSION CONTROL MATTING AS REQUIRED.
7. REBUILD BROAD BASED DIPS IN LOCATIONS SHOWN ON THE PLANS SO THAT FLOWS ARE POSITIVELY DIRECTED ACROSS ROADS, OR AS DIRECTED.
8. WHEN UPGRADIENT DRY SWALES AND AREAS ARE SUBSTANTIALLY STABILIZED, MODIFY EXISTING SEDIMENT TRAPS TO DECOMMISSIONED SEDIMENT TRAPS AT LOCATIONS SHOWN ON THE PLANS AND PER REQUIREMENTS IN DETAILS. MODIFY EXISTING SEDIMENT BASINS TO INFILTRATION BASINS PER REQUIREMENTS IN THIS PLAN SET. SEED, MULCH, AND TACK JUTE OR OTHER SUITABLE MATERIAL TO THE BOTTOM AND SIDE SLOPES OF THE DECOMMISSIONED SEDIMENT TRAPS AND INFILTRATION BASINS.
9. AREAS THAT WILL REMAIN DISTURBED BUT INACTIVE FOR AT LEAST THIRTY DAYS SHALL RECEIVE TEMPORARY SEEDING OR SOIL PROTECTION WITHIN SEVEN DAYS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
10. WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF THE SITE, STABILIZATION AND PROTECTION PRACTICES AS SPECIFIED IN CHAPTER 5 OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED WITHIN SEVEN DAYS.

ENVIRONMENTAL NOTES

THE PROJECT SITE IS LOCATED WITHIN AN ENVIRONMENTALLY SENSITIVE AREA THAT INCLUDES RARE SPECIES, WETLANDS AND VERNAL POOL HABITATS. THE CONTRACTOR IS REQUIRED TO FOLLOW THE PROTECTION PROGRAMS IDENTIFIED BELOW TO AVOID ADVERSELY AFFECTING RARE SPECIES AND SPECIAL HABITATS DURING CONSTRUCTION. IN ADDITION, CERTAIN METHODS OF CLEARING BEYOND THE PROPOSED FENCED LIMITS OF THE SOLAR FACILITY ARE REQUIRED TO ENHANCE WILDLIFE HABITAT VALUE, AS DISCUSSED BELOW.

WOOD TURTLE AND WETLAND PROTECTION PROGRAM

WOOD TURTLE, A STATE-LISTED SPECIAL CONCERN SPECIES AFFORDED PROTECTION UNDER THE CONNECTICUT ENDANGERED SPECIES ACT, IS KNOWN TO OCCUR ON OR WITHIN THE VICINITY OF THE SITE. THE FOLLOWING PROTECTIVE MEASURES SATISFY REQUIREMENTS FROM THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION ("CTDEEP") WILDLIFE DIVISION AND FOLLOW PROTOCOLS DEVELOPED FROM PREVIOUS RARE SPECIES CONSULTATIONS AND STATE-APPROVED PROTECTION PLANS. THIS PROTECTION PROGRAM IS VALID UNTIL JANUARY 28, 2017, AT WHICH POINT IF CONSTRUCTION HAS NOT BEEN INITIATED A NEW NATURAL DIVERSITY DATA BASE ("NDDB") REVIEW REQUEST FROM CTDEEP IS REQUIRED.

IN ADDITION, THE PROPOSED PROJECT IS LOCATED IN CLOSE PROXIMITY TO WETLAND RESOURCE AREAS. AS A RESULT, THE FOLLOWING PROTECTIVE MEASURES INCLUDE PROTOCOLS TO BE FOLLOWED TO HELP AVOID POTENTIAL DEGRADATION OF NEARBY WETLAND/WATERCOURSE RESOURCES DURING CONSTRUCTION ACTIVITIES.

IT IS OF THE UTMOST IMPORTANCE THAT THE CONTRACTOR COMPLIES WITH THE REQUIREMENT FOR THE INSTALLATION OF PROTECTIVE MEASURES AND THE EDUCATION OF ITS EMPLOYEES AND SUBCONTRACTORS PERFORMING WORK ON THE PROJECT SITE. THE TURTLE PORTION OF THIS PROTECTION PLAN SHALL BE IMPLEMENTED IF WORK WILL OCCUR DURING THE WOOD TURTLE'S ACTIVE PERIOD (APRIL 1 TO NOVEMBER 15). THE WETLAND PROTECTION PORTION OF THIS PLAN SHALL BE IMPLEMENTED REGARDLESS OF THE TIME OF YEAR. ALL-POINTS TECHNOLOGY CORPORATION, P.C. ("APT") WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT THESE PROTECTION MEASURES ARE IMPLEMENTED PROPERLY AND WILL PROVIDE AN EDUCATION SESSION ON THIS RARE TURTLE SPECIES AND THE PROJECT'S PROXIMITY TO SENSITIVE WETLAND RESOURCES PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONTACT DEAN GUSTAFSON, SENIOR ENVIRONMENTAL SCIENTIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. MR. GUSTAFSON CAN BE REACHED BY PHONE AT (860) 984-9515 OR VIA EMAIL AT DGUSTAFSON@ALLPOINTSTECH.COM.

THE PROPOSED PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS: ISOLATION OF THE PROJECT PERIMETER; PERIODIC INSPECTION AND MAINTENANCE OF ISOLATION STRUCTURES; EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; PROTECTIVE MEASURES; AND, REPORTING.

1. ISOLATION MEASURES & EROSION AND SEDIMENTATION CONTROLS
  - a. PLASTIC NETTING USED IN A VARIETY OF EROSION CONTROL PRODUCTS (I.E., EROSION CONTROL BLANKETS, FIBER ROLLS (WATTLES), REINFORCED SILT FENCE) HAS BEEN FOUND TO ENTANGLE WILDLIFE, INCLUDING REPTILES, AMPHIBIANS, BIRDS AND SMALL MAMMALS. NO PERMANENT EROSION CONTROL PRODUCTS OR REINFORCED SILT FENCE WILL BE USED ON THE FUSION SOLAR PROJECT. TEMPORARY EROSION CONTROL PRODUCTS WILL USE EITHER EROSION CONTROL BLANKETS AND FIBER ROLLS COMPOSED OF PROCESSED FIBERS MECHANICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX (NETLESS) OR NETTING COMPOSED OF PLANAR WOVEN NATURAL BIODEGRADABLE FIBER TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.
  - b. INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS (I.E., SILT FENCING), REQUIRED FOR EROSION CONTROL COMPLIANCE AND CREATION OF A BARRIER TO POSSIBLE MIGRATING/DISPERSING HERPETOFAUNA, SHALL BE PERFORMED BY THE CONTRACTOR FOLLOWING CLEARING ACTIVITIES AND PRIOR TO ANY EARTHWORK. THE ENVIRONMENTAL MONITOR WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF TO ENSURE THE AREA IS FREE OF WOOD TURTLES AND SATISFACTORILY INSTALLED. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE AND ISOLATE IT FROM FORAGING/MIGRATING/DISPERSING TURTLES WHILE AT THE SAME TIME PROVIDING SEDIMENTATION AND EROSION CONTROL. OFTENTIMES COMPLETE ISOLATION OF A WORK ZONE IS NOT FEASIBLE DUE TO ACCESSIBILITY NEEDS AND LOCATIONS OF STAGING/MATERIAL STORAGE AREAS, ETC. IN THOSE CIRCUMSTANCES, THE BARRIERS WILL BE POSITIONED TO DEFLECT MIGRATING/DISPERSAL ROUTES AWAY FROM THE WORK ZONE TO MINIMIZE POTENTIAL ENCOUNTERS WITH TURTLES.
  - c. THE FENCING WILL CONSIST OF NON-REINFORCED CONVENTIONAL EROSION CONTROL WOVEN FABRIC, INSTALLED APPROXIMATELY SIX INCHES BELOW SURFACE GRADE AND STAKED AT SIX TO TEN-FOOT INTERVALS USING FOUR-FOOT, 1 AND A HALF INCH OAK STAKES OR APPROVED EQUIVALENT. THE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTIONS OF THE FENCING FOR TEARS OR BREECHES IN THE FABRIC AND ACCUMULATION LEVELS OF SEDIMENT, PARTICULARLY FOLLOWING STORM EVENTS THAT GENERATE A DISCHARGE. APT WILL PROVIDE PERIODIC INSPECTIONS OF THE FENCING THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES ONLY AS IT PERTAINS TO PROTECTION OF RARE SPECIES AND NEARBY WETLANDS. THIRD PARTY MONITORING OF SEDIMENTATION AND EROSION CONTROLS WILL BE PERFORMED BY OTHER PARTIES, AS NECESSARY, UNDER APPLICABLE LOCAL, STATE AND/OR FEDERAL REGULATIONS.
  - d. THE EXTENT OF THE BARRIER FENCING WILL BE AS SHOWN ON THE SITE PLANS. THE CONTRACTOR SHALL HAVE ADDITIONAL BARRIER FENCING AND SEDIMENTATION AND EROSION CONTROL MATERIALS STORED ON SITE SHOULD FIELD OR CONSTRUCTION CONDITIONS WARRANT EXTENDING/ADDING THE FENCING/CONTROLS AS DIRECTED BY APT.
  - e. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED OUTSIDE OF THE ISOLATION BARRIER FENCING.
  - f. ALL SILT FENCING AND SEDIMENTATION AND EROSION CONTROLS SHALL BE REMOVED WITHIN 30 DAYS OF COMPLETION OF WORK AND PERMANENT STABILIZATION OF SITE SOILS SO THAT REPTILE AND AMPHIBIAN MOVEMENT BETWEEN UPLANDS AND WETLANDS IS NOT RESTRICTED.
2. CONTRACTOR EDUCATION
  - a. PRIOR TO WORK ON SITE, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF AN INTRODUCTORY MEETING WITH APT PROVIDING PHOTOS OF WOOD TURTLES AND EMPHASIZING THE NON-AGGRESSIVE NATURE OF THESE TURTLES, THE ABSENCE OF NEED TO DESTROY ANIMALS THAT MIGHT BE ENCOUNTERED AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN SECTION 4 BELOW. WORKERS WILL ALSO BE PROVIDED INFORMATION REGARDING THE IDENTIFICATION OF OTHER TURTLES, SNAKES AND COMMON HERPETOFAUNA SPECIES THAT COULD BE ENCOUNTERED.
  - b. THE EDUCATION SESSION WILL ALSO FOCUS ON MEANS TO DISCRIMINATE BETWEEN THE SPECIES OF CONCERN AND OTHER NATIVE SPECIES TO AVOID UNNECESSARY "FALSE ALARMS". ENCOUNTERS WITH ANY SPECIES OF TURTLES WILL BE DOCUMENTED.

- c. THE CONTRACTOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT PERSONNEL TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH WOOD TURTLE OR OTHER TURTLE SPECIES. EDUCATIONAL POSTER MATERIALS WILL BE PROVIDED BY APT AND DISPLAYED ON THE JOB SITE TO MAINTAIN WORKER AWARENESS AS THE PROJECT PROGRESSES.

3. PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION

- a. CERTAIN PRECAUTIONS ARE NECESSARY TO STORE PETROLEUM MATERIALS, REFUEL AND CONTAIN AND PROPERLY CLEAN UP ANY INADVERTENT FUEL OR PETROLEUM (I.E., OIL, HYDRAULIC FLUID, ETC.) SPILL TO AVOID POSSIBLE IMPACT TO NEARBY WETLANDS AND WILDLIFE HABITATS.

- b. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL WILL BE MAINTAINED BY THE CONTRACTOR AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT. IN ADDITION, A WASTE DRUM WILL BE KEPT ON SITE TO CONTAIN ANY USED ABSORBENT PADS/MATERIAL FOR PROPER AND TIMELY DISPOSAL OFF SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

- c. THE FOLLOWING PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING RESTRICTIONS AND SPILL RESPONSE PROCEDURES WILL BE ADHERED TO BY THE CONTRACTOR.

i. PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING

1. REFUELING OF VEHICLES OR MACHINERY SHALL OCCUR A MINIMUM OF 100 FEET FROM WETLANDS OR WATERCOURSES AND SHALL TAKE PLACE ON AN IMPERVIOUS PAD WITH SECONDARY CONTAINMENT DESIGNED TO CONTAIN FUELS.
2. ANY FUEL OR HAZARDOUS MATERIALS THAT MUST BE KEPT ON SITE SHALL BE STORED ON AN IMPERVIOUS SURFACE UTILIZING SECONDARY CONTAINMENT A MINIMUM OF 100 FEET FROM WETLANDS OR WATERCOURSES.

ii. INITIAL SPILL RESPONSE PROCEDURES

1. STOP OPERATIONS AND SHUT OFF EQUIPMENT.
2. REMOVE ANY SOURCES OF SPARK OR FLAME.
3. CONTAIN THE SOURCE OF THE SPILL.
4. DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
5. IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WATERWAYS OR WETLANDS.
6. ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.

iii. SPILL CLEAN UP & CONTAINMENT

1. OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT. PLACE ABSORBENT MATERIALS DIRECTLY ON THE RELEASE AREA.
2. LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
3. ISOLATE AND ELIMINATE THE SPILL SOURCE.
4. CONTACT THE APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.
5. CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS.

iv. REPORTING

1. COMPLETE AN INCIDENT REPORT.
2. SUBMIT A COMPLETED INCIDENT REPORT TO THE CONNECTICUT SITING COUNCIL AND ANY OTHER APPLICABLE LOCAL, STATE AND/OR FEDERAL AGENCIES.
3. TURTLE PROTECTIVE MEASURES

- a. PRIOR TO THE START OF CONSTRUCTION EACH DAY, THE CONTRACTOR SHALL SEARCH THE ENTIRE WORK AREA FOR TURTLES.

- b. IF A TURTLE IS FOUND, IT SHALL BE IMMEDIATELY MOVED, UNHARMED, BY CAREFULLY GRASPED IN BOTH HANDS, ONE ON EACH SIDE OF THE SHELL, BETWEEN THE TURTLE'S FORELIMBS AND THE HIND LIMBS, AND PLACED JUST OUTSIDE OF THE ISOLATION BARRIER IN THE SAME APPROXIMATE DIRECTION IT WAS WALKING.

- c. SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR DURING EARLY MORNING AND EVENING HOURS SO THAT POSSIBLE BASKING OR FORAGING TURTLES ARE NOT HARMED BY CONSTRUCTION ACTIVITIES.

4. HERBICIDE AND PESTICIDE RESTRICTIONS

- a. IN THE EVENT HERBICIDES AND/OR PESTICIDES ARE REQUIRED AT THE PROPOSED FACILITY, THEIR USE WILL BE USED IN ACCORDANCE WITH INTEGRATED PEST MANAGEMENT ("IPM") PRINCIPLES WITH PARTICULAR ATTENTION TO MINIMIZE APPLICATIONS WITHIN 100 FEET OF WETLAND OR WATERCOURSE RESOURCES. NO APPLICATIONS OF HERBICIDES OR PESTICIDES ARE ALLOWED WITHIN ACTUAL WETLAND OR WATERCOURSE RESOURCES.

5. REPORTING

- a. DAILY COMPLIANCE MONITORING REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) DOCUMENTING EACH APT INSPECTION WILL BE SUBMITTED TO FUSION SOLAR FOR COMPLIANCE VERIFICATION. ANY OBSERVATIONS OF TURTLES WILL BE INCLUDED IN THE REPORTS.

- b. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A COMPLIANCE MONITORING SUMMARY REPORT TO FUSION SOLAR DOCUMENTING IMPLEMENTATION OF THE RARE SPECIES AND WETLAND PROTECTION PROGRAM, MONITORING AND ANY SPECIES OBSERVATIONS. FUSION SOLAR WILL PROVIDE A COPY OF THE COMPLIANCE MONITORING SUMMARY REPORT TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION.

- c. ANY OBSERVATIONS OF WOOD TURTLE WILL BE REPORTED TO CTDEEP BY APT, WITH PHOTO-DOCUMENTATION (IF POSSIBLE) AND WITH SPECIFIC INFORMATION ON THE LOCATION AND DISPOSITION OF THE ANIMAL.

BOBOLINK PROTECTION PROGRAM

THE SOUTHERN END OF THE PROPOSED SOLAR FACILITY ENCOMPASSES A ±10-ACRE MOWED HAYFIELD. THIS HAYFIELD HAS BEEN OBSERVED TO SUPPORT BOBOLINK, A STATE-LISTED SPECIAL CONCERN SPECIES AFFORDED PROTECTION UNDER THE CONNECTICUT ENDANGERED SPECIES ACT. THEREFORE, MEASURES SHOULD BE TAKEN TO AVOID INCIDENTAL TAKE OF BOBOLINK DURING CONSTRUCTION. IDEALLY, THE HAYFIELD VEGETATION SHOULD BE REMOVED DURING THE NON-BREEDING SEASON (SEPTEMBER TO APRIL) IN ORDER TO PREVENT ATTRACTION OF BOBOLINK DURING SPRING MIGRATION AND SPRING-SUMMER BREEDING SEASON. IF THIS IS NOT FEASIBLE, HAY MOWING ACTIVITIES SHOULD BE DELAYED UNTIL MID-JULY OR EARLY AUGUST TO ALLOW GRASSLAND BIRDS TO COMPLETE MOST NESTING ACTIVITIES. IF DELAYED MOWING IS NOT FEASIBLE AND CONSTRUCTION ACTIVITIES MUST BE CONDUCTED DURING THE BREEDING SEASON, THE FOLLOWING MEASURES CAN BE TAKEN TO MINIMIZE IMPACTS ON NESTING BOBOLINK.

1. HAYFIELDS SHOULD BE MOWED FROM THE FIELD CENTER OUTWARD TO ALLOW BIRDS TO ESCAPE TO ADJACENT HABITATS.

2. FIELDS CAN BE BROKEN INTO SUB-UNITS AND MOWED ON A ROTATIONAL BASIS TO ALLOW FOR SOME USEABLE HABITAT TO BE AVAILABLE AT ALL TIMES.

3. ADULT NESTING BIRDS AND ROOSTING INDIVIDUALS ARE LESS LIKELY TO FLUSH FROM COVER DURING THE NIGHT. THEREFORE, NIGHT MOWING SHOULD BE AVOIDED TO PREVENT ADULT BIRD MORTALITY.

4. FLUSHING BARS SHOULD BE MOUNTED ON HARVESTING EQUIPMENT TO MINIMIZE BIRD MORTALITY DURING MOWING OPERATIONS.

GENERAL BREEDING BIRD PROTECTION MEASURES

THE PROPOSED CONSTRUCTION ACTIVITIES WILL RESULT IN THE CLEARING OF TREES AND MATURE VEGETATION THAT HAS THE POTENTIAL TO SUPPORT BREEDING BIRDS. ONCE A CONSTRUCTION SCHEDULE IS DETERMINED, APT WILL EVALUATE WHETHER THE POTENTIAL EXISTS FOR BREEDING BIRD NEST DISTURBANCE AND DEVELOP A PLAN ACCORDINGLY. TO AVOID POTENTIAL DISTURBANCE DURING PERIODS OF HIGH BIRD NESTING ACTIVITY, APT RECOMMENDS USE OF THE FOLLOWING SCHEDULE AS A GENERAL GUIDELINE. IF CONSTRUCTION ACTIVITIES SHOULD OCCUR DURING THE PEAK NESTING PERIOD OF MAY 1ST THROUGH AUGUST 15TH, EFFORTS SHOULD BE TAKEN TO COMPLETE TREE CLEARING WORK PRIOR TO MAY 1ST, OR, IF TREE CLEARING HAS NOT BEEN COMPLETED BY MAY 1ST, AN AVIAN SURVEY WILL BE PERFORMED BY APT TO DETERMINE IF A SIGNIFICANT NUMBER OF BREEDING BIRDS WOULD BE DISTURBED. IF THE AVIAN SURVEY CONCLUDES THAT A SIGNIFICANT NUMBER OF BREEDING BIRDS WOULD BE DISTURBED, TREE CLEARING ACTIVITIES MAY BE RESTRICTED THROUGH THE PEAK NESTING PERIOD (OR A MODIFIED TIME FRAME BASED ON THE SPECIFIC FINDINGS OF THE SURVEY).

WILDLIFE HABITAT ENHANCEMENT MEASURES

TREE CLEARING ACTIVITIES BEYOND THE PROPOSED SOLAR FACILITY'S PERIMETER FENCE ARE NECESSARY TO PREVENT SHADING OF THE SOLAR ARRAYS. THERE ARE TWO ZONES WITHIN THIS TREE CLEARING AREA: 1) WITHIN 30 FEET OF THE PERIMETER FENCE; AND, 2) BEYOND 30 FEET, WHICH REQUIRE DIFFERENT CLEARING METHODS.

THE 30 FOOT ZONE IMMEDIATELY AROUND THE PERIMETER FENCE WILL BE CLEARED AND GRUBBED OF TREES AND STUMPS. SPECIAL PRECAUTIONS SHALL BE EMPLOYED DURING CLEARING AND GRUBBING ACTIVITIES TO PROTECT AND RETAIN AS MUCH NATIVE UNDERSTORY SHRUB AND HERBACEOUS MATERIAL AS REASONABLY POSSIBLE. ASIDE FROM TEMPORARY AND PERMANENT STORMWATER MANAGEMENT FEATURES LOCATED IN THIS ZONE, NO GRADING ACTIVITIES WILL OCCUR OTHER THAN MINOR GRADING TO REESTABLISH ORIGINAL GRADES ONCE STUMP REMOVAL ACTIVITIES HAVE BEEN COMPLETED. ANY DISTURBED AND EXPOSED SOILS WILL BE SEEDED WITH A BLEND OF NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES AND NEW ENGLAND CONSERVATION/WILDLIFE MIX (NEW ENGLAND WETLAND PLANTS INC./NEWP.COM\413.549.8000, OR APPROVED EQUIVALENT) AT THE RESPECTIVE RATIO BY WEIGHT OF A 80/20 BLEND. THIS AREA SHALL BE MANAGED FOR WILDLIFE HABITAT BY RESTRICTING MOWING ON A ROTATION BASIS EVERY 4 TO 7 YEARS. THIS WILL ALLOW THE AREA TO REVERT TO LATE OLD FIELD HABITAT AND CREATE A "SOFT" ECOTONE THAT WILL PROVIDE COVER AND HABITAT FOR A NUMBER OF FOREST-DWELLING WILDLIFE AND EDGE NESTING BIRDS.

THE ZONE BEYOND 30 FEET UP TO THE LIMIT OF CLEARING LINE SHALL BE CLEARED OF TREES, USING THE SAME PRECAUTIONS IDENTIFIED WITHIN THE 30 FOOT ZONE, BUT WILL NOT INCLUDE GRUBBING OF STUMPS. ANY DISTURBED AND EXPOSED SOILS WILL BE SEEDED WITH A BLEND OF NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES AND NEW ENGLAND CONSERVATION/WILDLIFE MIX (NEW ENGLAND WETLAND PLANTS INC./NEWP.COM\413.549.8000, OR APPROVED EQUIVALENT) AT THE RESPECTIVE RATIO BY WEIGHT OF A 80/20 BLEND. THIS AREA SHALL BE MANAGED FOR WILDLIFE HABITAT BY RESTRICTING MOWING AND INCLUDE SELECTIVE TREE SAPLING REMOVAL ON A ROTATION BASIS EVERY 4 TO 7 YEARS. THIS WILL ALLOW THE AREA TO REVERT TO A SCRUB-SHRUB HABITAT AND CREATE A "SOFT" ECOTONE THAT WILL PROVIDE COVER AND HABITAT FOR A NUMBER OF FOREST-DWELLING WILDLIFE AND EDGE NESTING BIRDS.

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 24 x 36

NOTES

FUSION SOLAR CENTER, L.L.C.  
POTASH HILL ROAD  
SPRAGUE, CT 06630



DEPCOM POWER  
9200 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85258

PERMANENT STABILIZATION

PROJECT NO.	20172893.001A
ISSUE DATE	06/18/2018
CURRENT REVISION	-
DESIGNED BY	KRV
DRAWN BY	KRV
CHECKED BY	AGB
APPROVED BY	AGB

C-2



1. TOPOGRAPHIC SURVEY PREPARED FOR FUSION SOLAR CENTER, LLC HAS BEEN PROVIDED BY FUSS AND O'NEILL, INC., DATED 05/29/2015 OUTSIDE OF THE DELINEATION LINE AND 04/18/2018 INSIDE OF THE DELINEATION LINE AS SHOWN ON THE PLANS.
2. LOCATIONS WHERE FLOW HAS BEEN CHANNELIZED THROUGH THE DRAINAGE AREA SHALL BE FILLED, GRADED AND STABILIZED TO PROMOTE SHEET FLOW. STABILIZATION SHALL CONSIST OF TACKIFIER OR MULCH AND ECB AS NEEDED. THESE LOCATIONS SHALL BE INSPECTED AND REPAIRED AS NEEDED AFTER RAIN EVENTS TO PREVENT RE-CHANNELIZATION OF FLOW UNTIL SITE IS STABILIZED.
3. SEDIMENT TRAPS TO BE CONVERTED TO DECOMMISSIONED SEDIMENT TRAP.
4. SEDIMENT BASINS TO BE CONVERTED TO INFILTRATION BASINS.
5. ALL SEDIMENT TRAP OUTLETS ARE TO BE INSPECTED AND REPAIRED IF REQUIRED, UNTIL SITE IS STABILIZED AND ALL TEMPORARY EROSION AND SEDIMENTATION MEASURES ARE REMOVED.

	EXISTING MAJOR CONTOUR (5')
	EXISTING MINOR CONTOUR (1')
	EXISTING PROPERTY BOUNDARY
	EXISTING ROAD
	EXISTING TRAIL
	EXISTING STREAM
	EXISTING CHAIN LINK FENCE
	EXISTING SILT FENCE
	EXISTING DIVERSION DITCH
	EXISTING DRAINAGE DITCH
	EXISTING 12" COMPOST DIVERSION SOCK
	EXISTING 8" COMPOST FILTER SOCK
	EXISTING GRAVEL ACCESS ROAD
	EXISTING SEDIMENT TRAP
	EXISTING LANDSCAPE BUFFER
	PROPOSED DECOMMISSIONED SEDIMENT TRAP (CONVERTED FROM SEDIMENT TRAP)
	PROPOSED INFILTRATION BASIN (CONVERTED FROM SEDIMENTATION BASIN)
	PROPOSED DRY SWALE
	PROPOSED PERMANENT DIVERSION DITCH



PROJECT NO. 20172893.001A	<div>C-3</div>
ISSUE DATE 06/18/2018	
CURRENT REVISION -	
DESIGNED BY KRV	
DRAWN BY KRV	
CHECKED BY AGB	
APPROVED BY AGB	
SHEET	3 of 12



CAD FILE: C:\pwworking\kiefelderp01\kiefelder\_black\4079761\IC-3-172893\_Grading and Drainage.dwg PLOTTED: 6/15/2018 4:38 PM BY: ken black LAYOUT: C-4



- |  |   |
|--|---|
|  | EXISTING MAJOR CONTOUR (5')   |
|  | EXISTING MINOR CONTOUR (1')   |
|  | EXISTING PROPERTY BOUNDARY  |
|  | EXISTING ROAD   |
|  | EXISTING TRAIL  |
|  | EXISTING STREAM   |
|  | EXISTING CHAIN LINK FENCE   |
|  | EXISTING SILT FENCE   |
|  | EXISTING DIVERSION DITCH  |
|  | EXISTING DRAINAGE DITCH   |
|  | EXISTING 12" COMPOST DIVERSION SOCK                                     |
|  | EXISTING 8" COMPOST FILTER SOCK   |
|  | EXISTING GRAVEL ACCESS ROAD   |
|  | EXISTING SEDIMENT TRAP  |
|  | EXISTING LANDSCAPE BUFFER   |
|  | PROPOSED DECOMMISSIONED SEDIMENT TRAP<br>(CONVERTED FROM SEDIMENT TRAP) |
|  | PROPOSED INFILTRATION BASIN<br>(CONVERTED FROM SEDIMENTATION BASIN)     |
|  | PROPOSED DRY SWALE  |
|  | PROPOSED PERMANENT DIVERSION DITCH                                      |

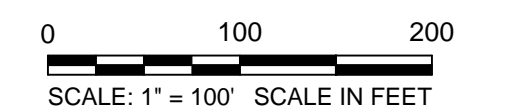
MATCHLINE SHEET C-5

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS  
SHEET ADJUST YOUR  
SCALES ACCORDINGLY



ORIGINAL DRAWING SIZE IS 24 x 36

## GRADING AND DRAINAGE PLANS

FUSION SOLAR CENTER, L.L.C.  
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SPRAGUE, CT 06630



DEPCOM POWER  
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SCOTTSDALE, AZ 85258

## PERMANENT STABILIZATION

PROJECT NO.	20172893.001A	C-4
ISSUE DATE	06/18/2018	
CURRENT REVISION	-	
DESIGNED BY	KRV	
DRAWN BY	KRV	
CHECKED BY	AGB	
APPROVED BY	AGB	
SHEET		4 of 12

C-4

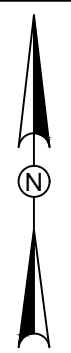


## LEGEND



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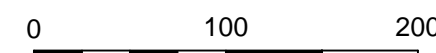
## REVISIONS

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## SCALE VERIFICATION

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SCALES ACCORDINGLY



SCALE: 1" = 100' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

## GRADING AND DRAINAGE PLANS

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## PERMANENT STABILIZATION

PROJECT NO. 20172893.001A	<div style="font-size: 48pt; text-align: center;">C-5</div>
ISSUE DATE 06/18/2018	
CURRENT REVISION -	
DESIGNED BY KRV	
DRAWN BY KRV	
CHECKED BY AGB	
APPROVED BY AGB	

SHEET
5 of 12

**C-5**



REVISIONS

REV	DESCRIPTION	DSN DWN	CHK APP	DATE

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS  
SHEET ADJUST YOUR  
SCALES ACCORDINGLY

0 5 10

SCALE: 1" = 5' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

DRY SWALE TYPICAL SECTIONS

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SPRAGUE, CT 06630

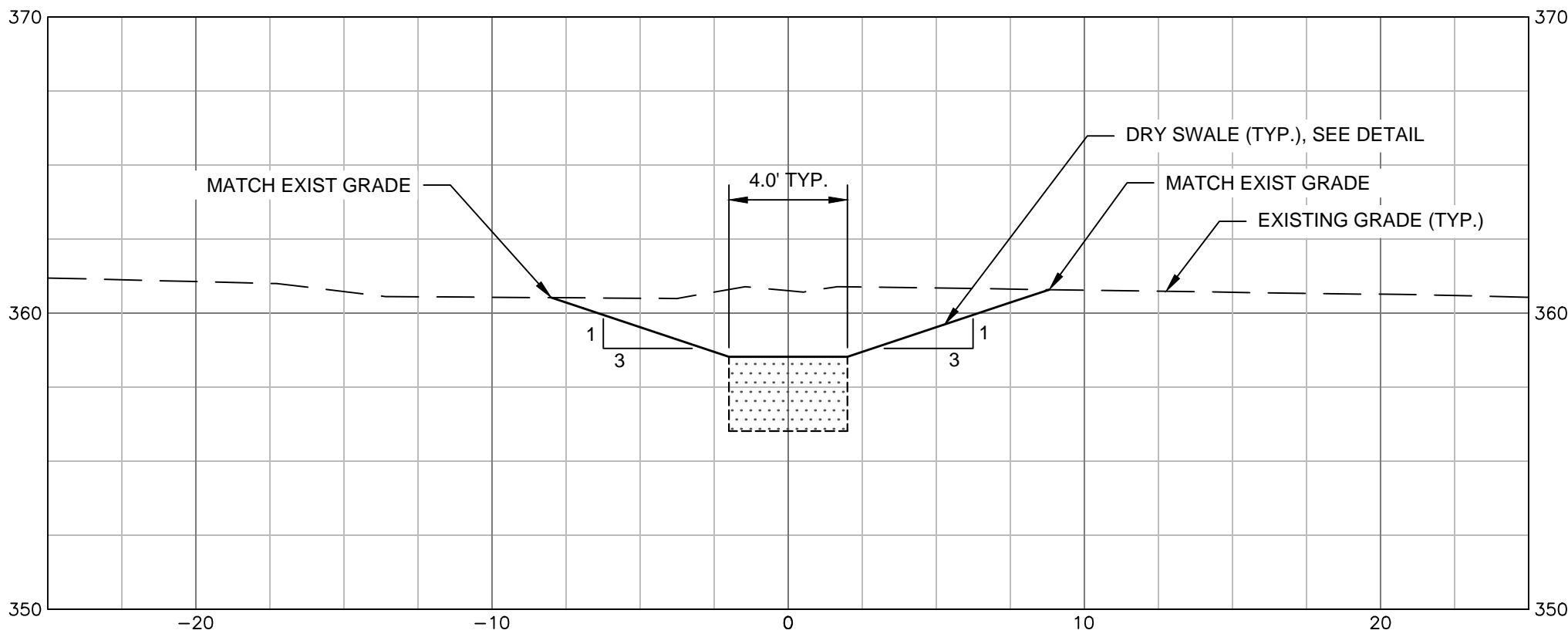


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SCOTTSDALE, AZ 85258

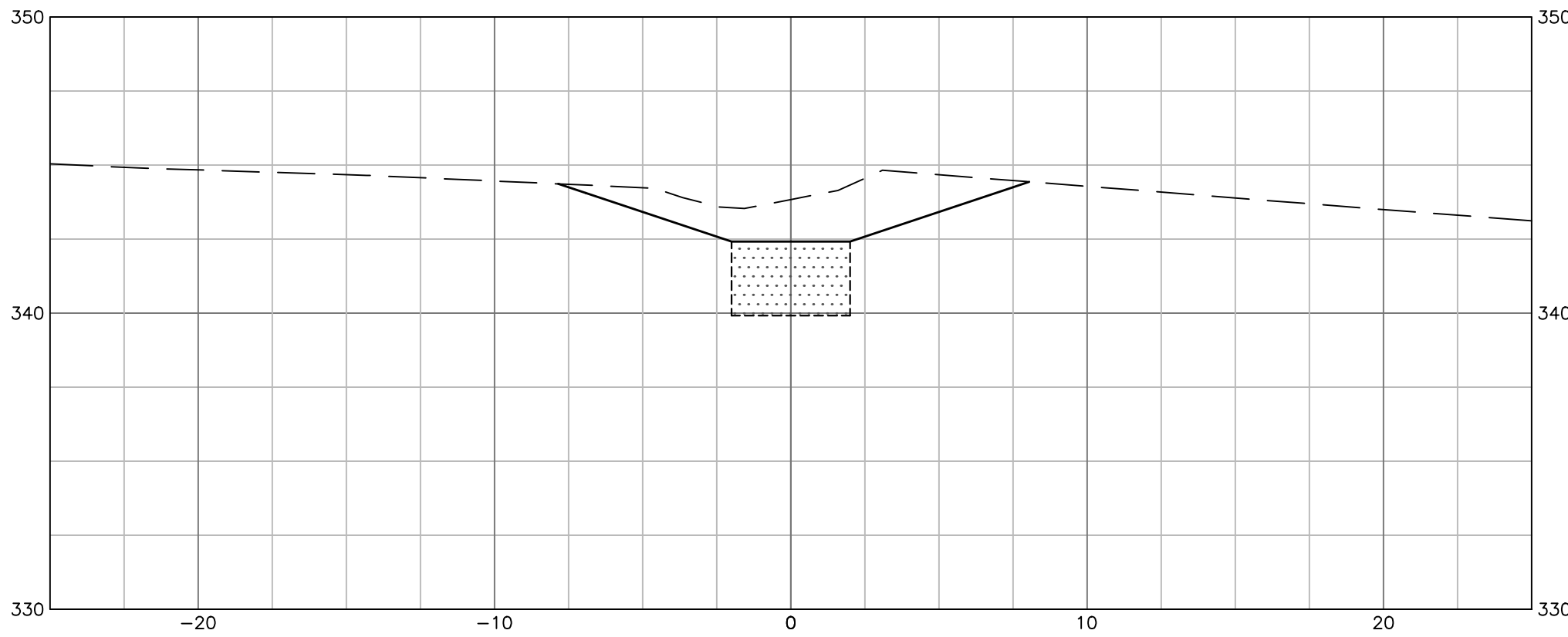
PERMANENT STABILIZATION

PROJECT NO.	20172893.001A
ISSUE DATE	06/18/2018
CURRENT REVISION	-
DESIGNED BY	KRV
DRAWN BY	KRV
CHECKED BY	AGB
APPROVED BY	AGB

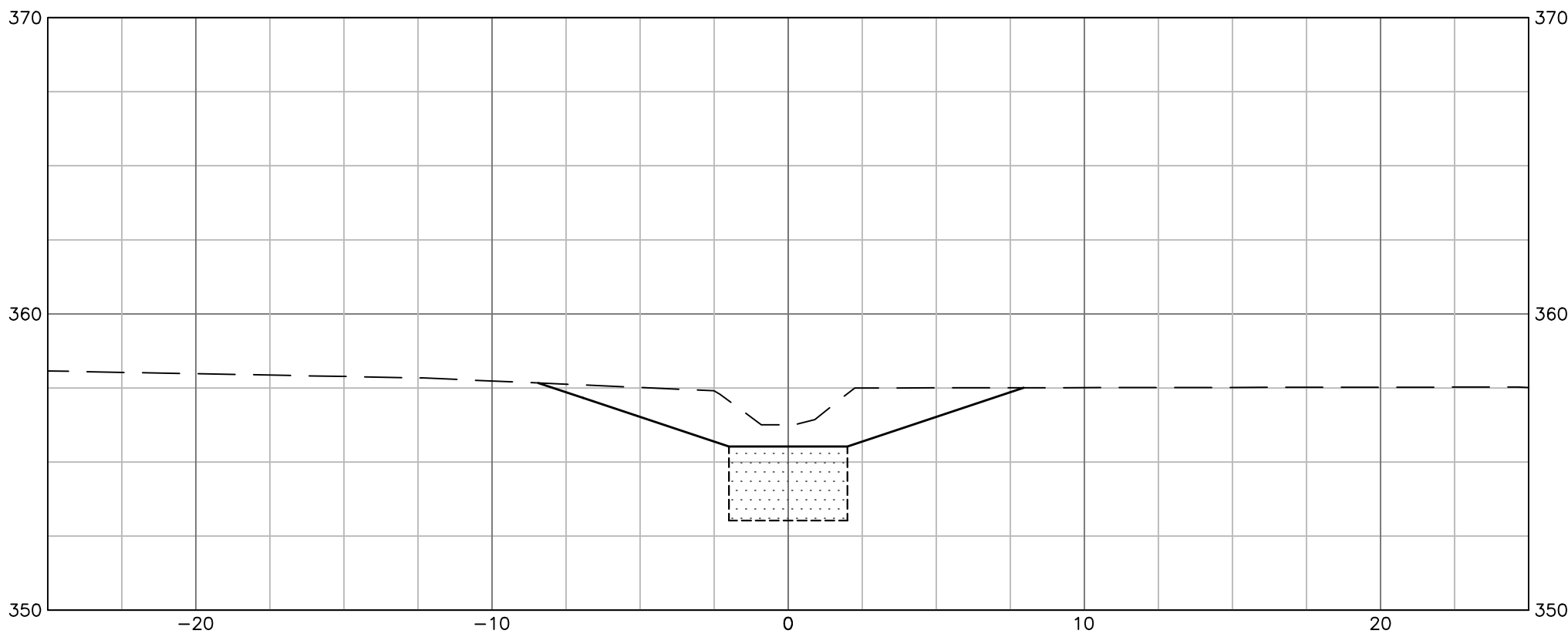
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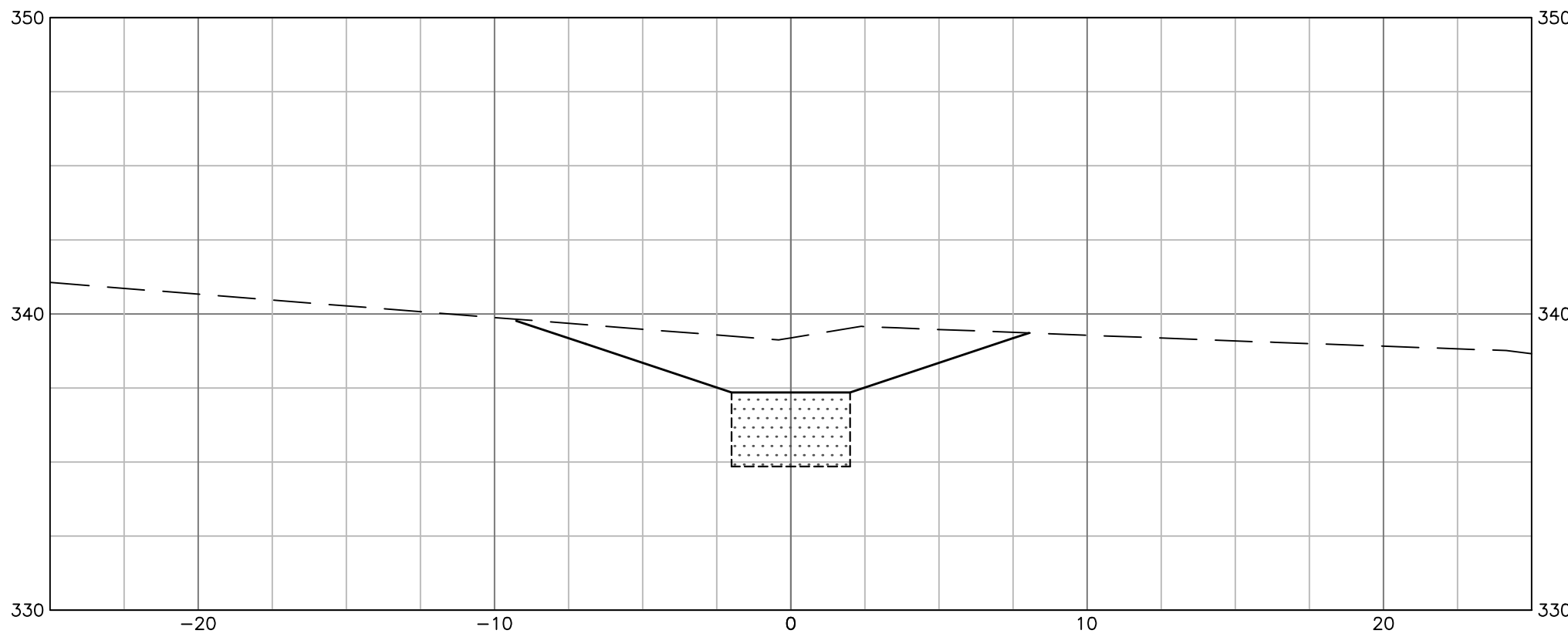
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DRY SWALE



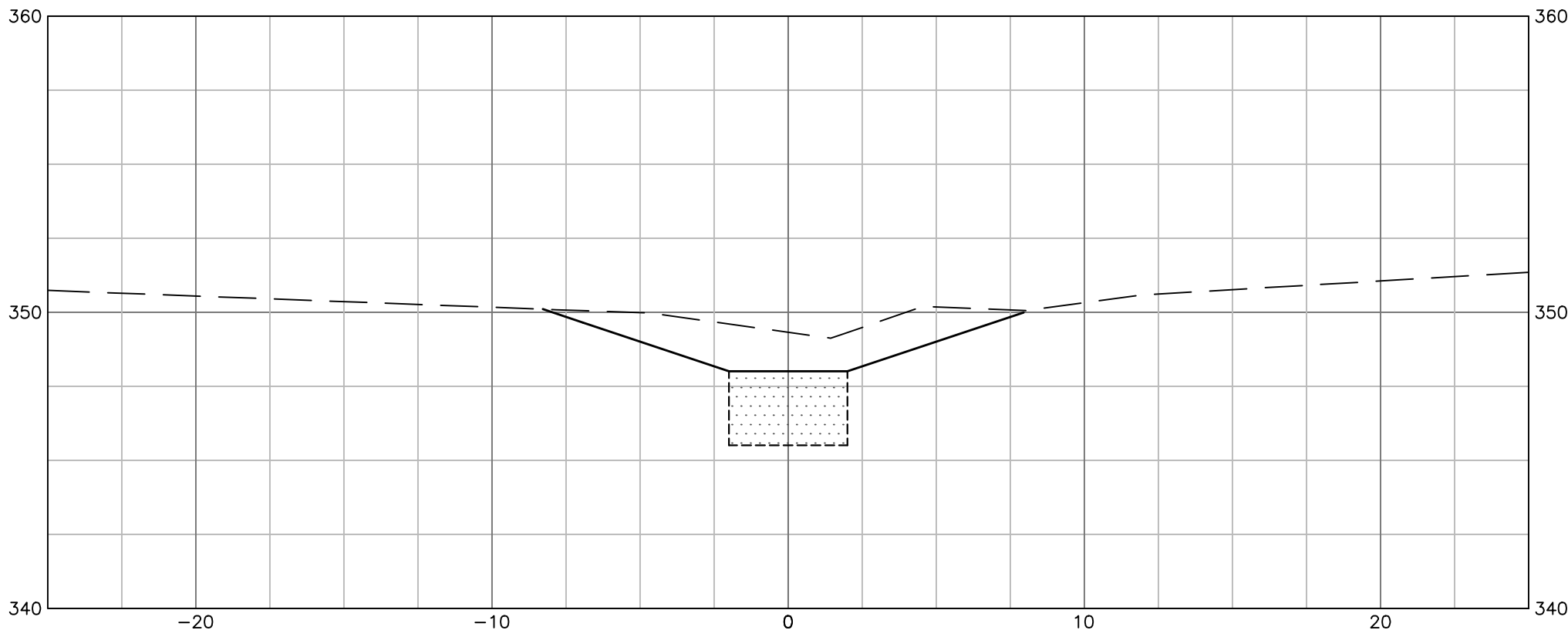
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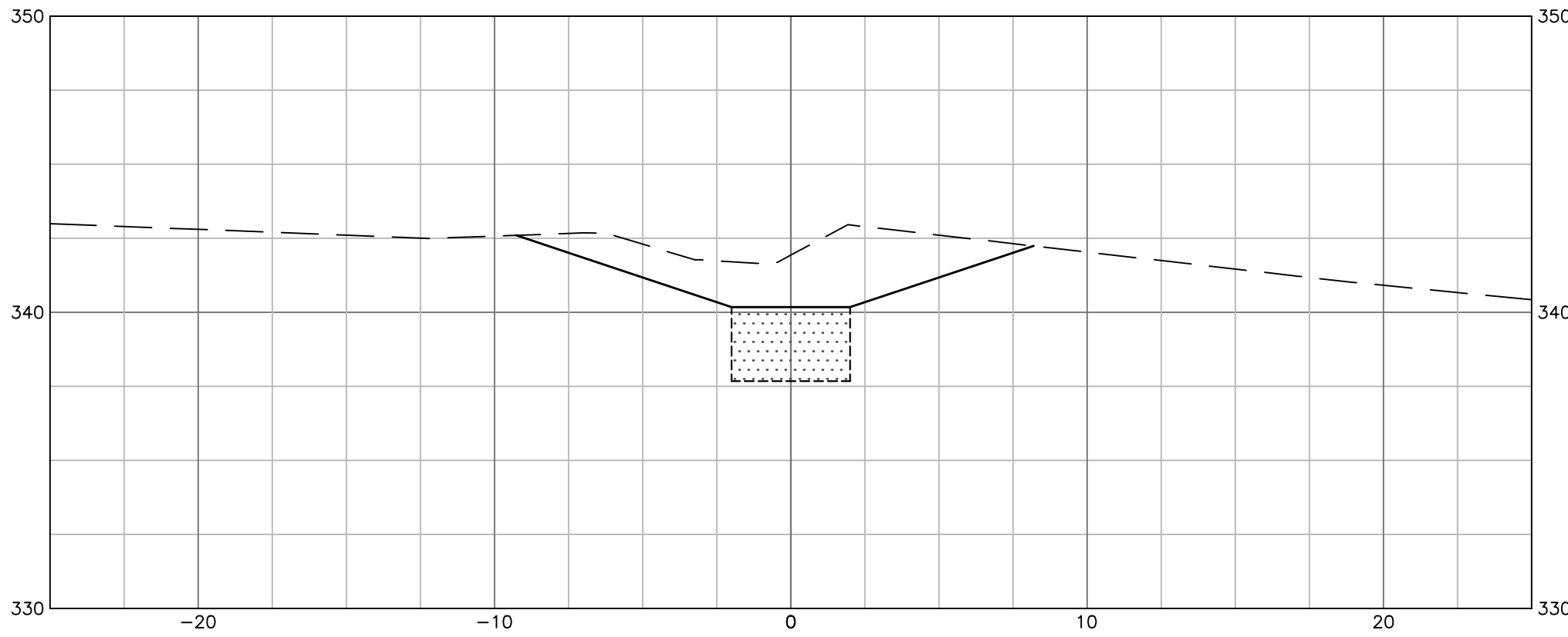
ST-2  
DRY SWALE



ST-5  
DRY SWALE



ST-3  
DRY SWALE



ST-6 (A)  
DRY SWALE

REVISIONS

REV	DESCRIPTION	DSN DWN	CHK APP	DATE

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS  
SHEET ADJUST YOUR  
SCALES ACCORDINGLY

0 5 10

SCALE: 1" = 5' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

DRY SWALE TYPICAL SECTIONS

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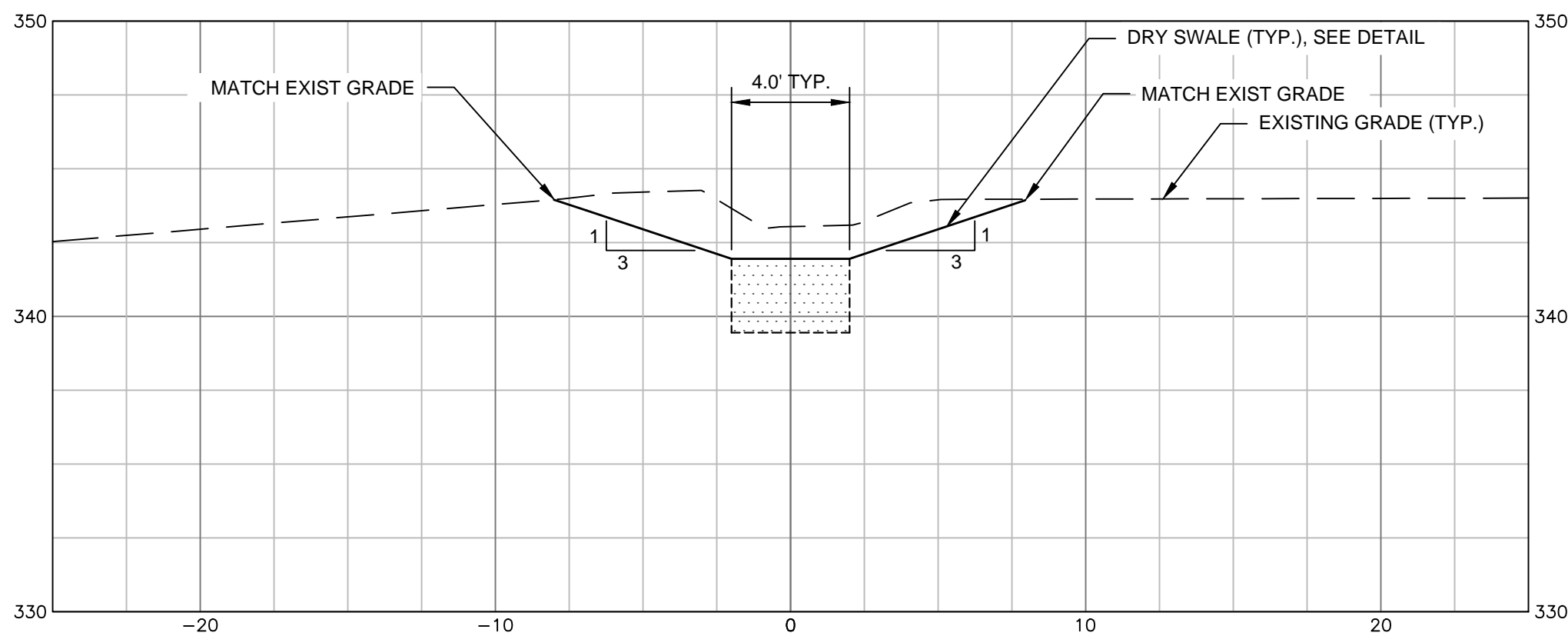


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SCOTTSDALE, AZ 85258

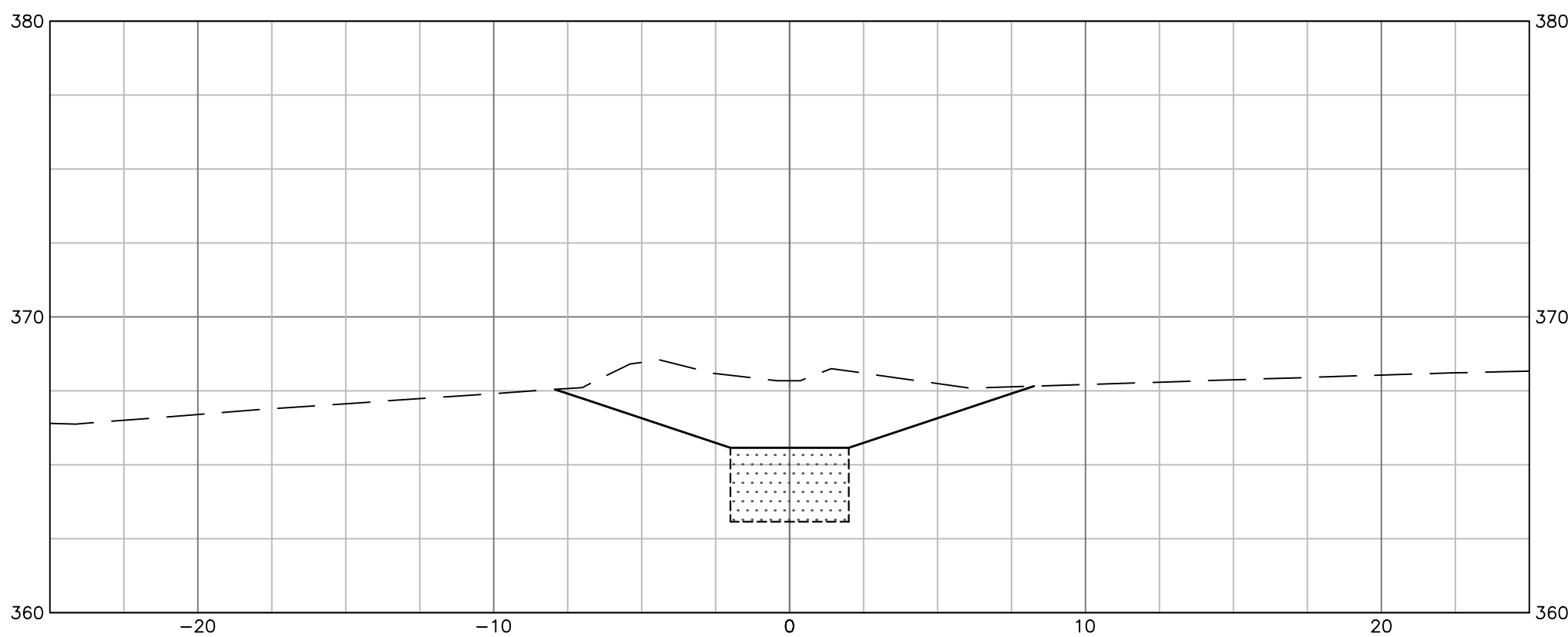
PERMANENT STABILIZATION

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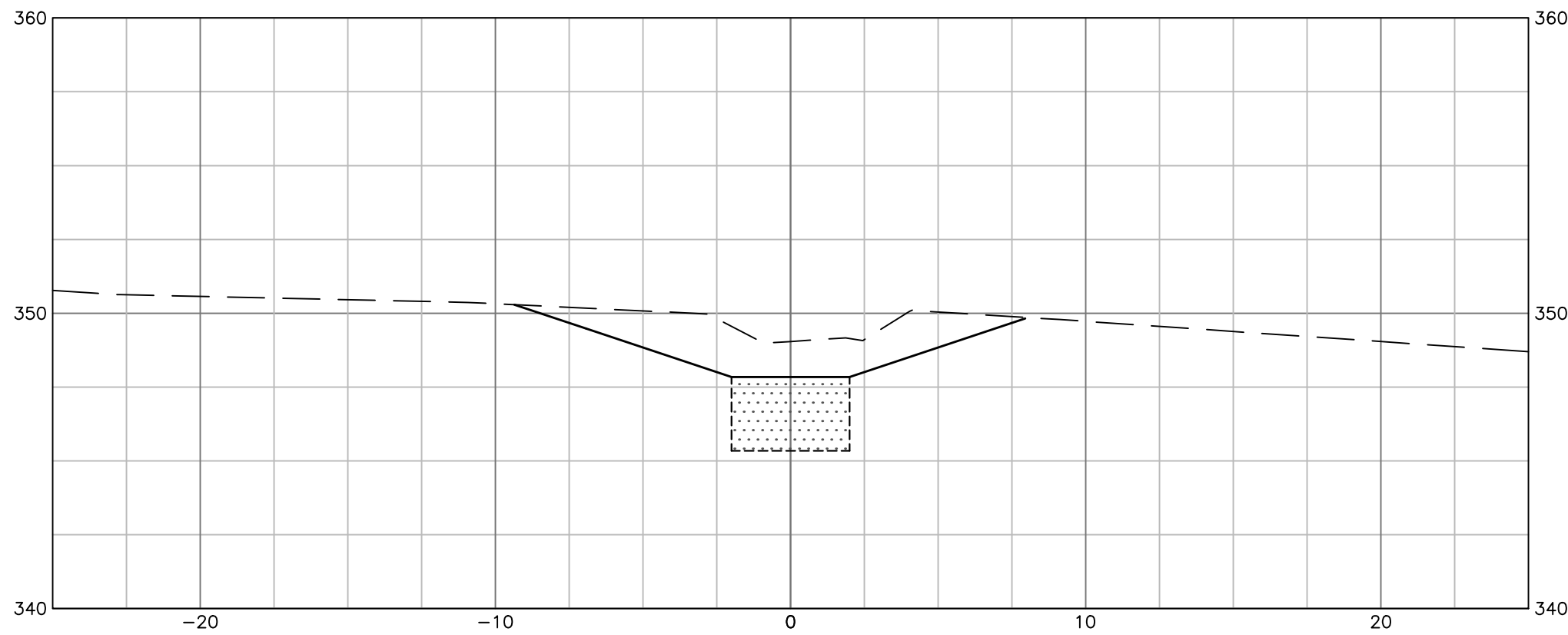
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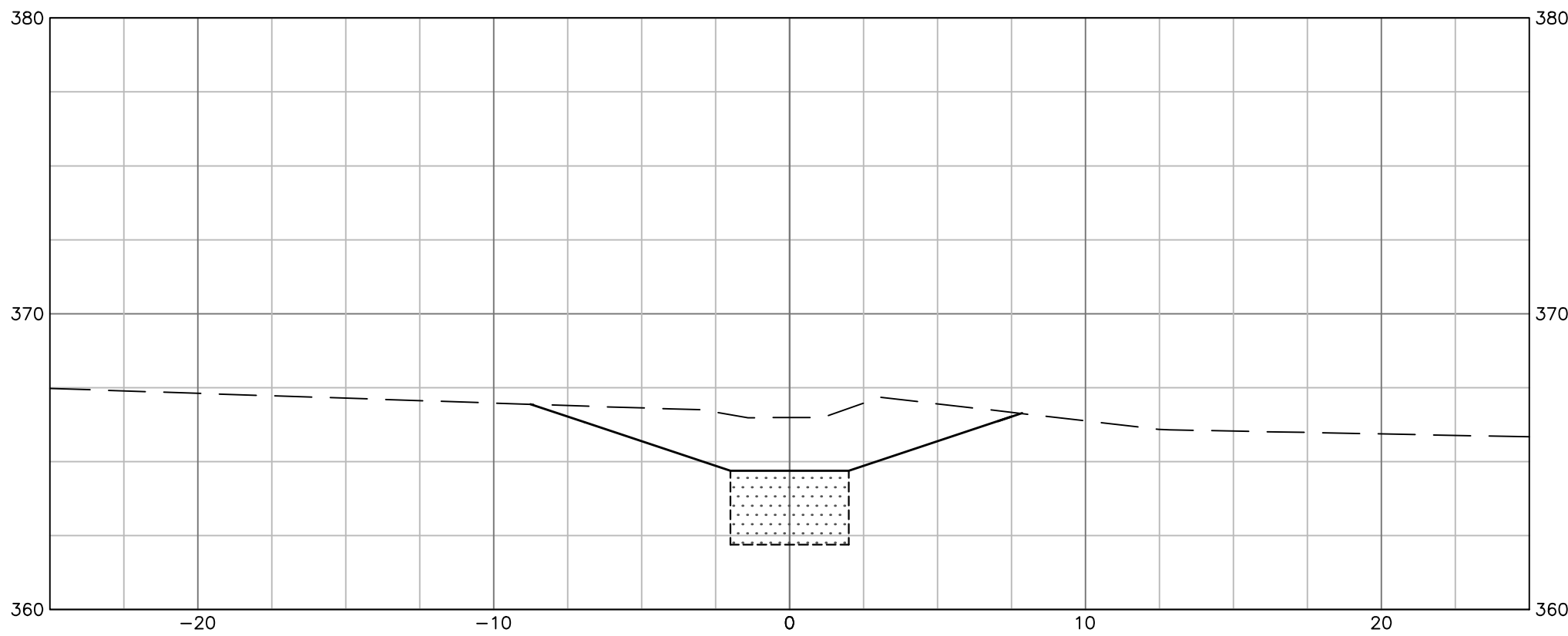
ST-6 (B)  
DRY SWALE



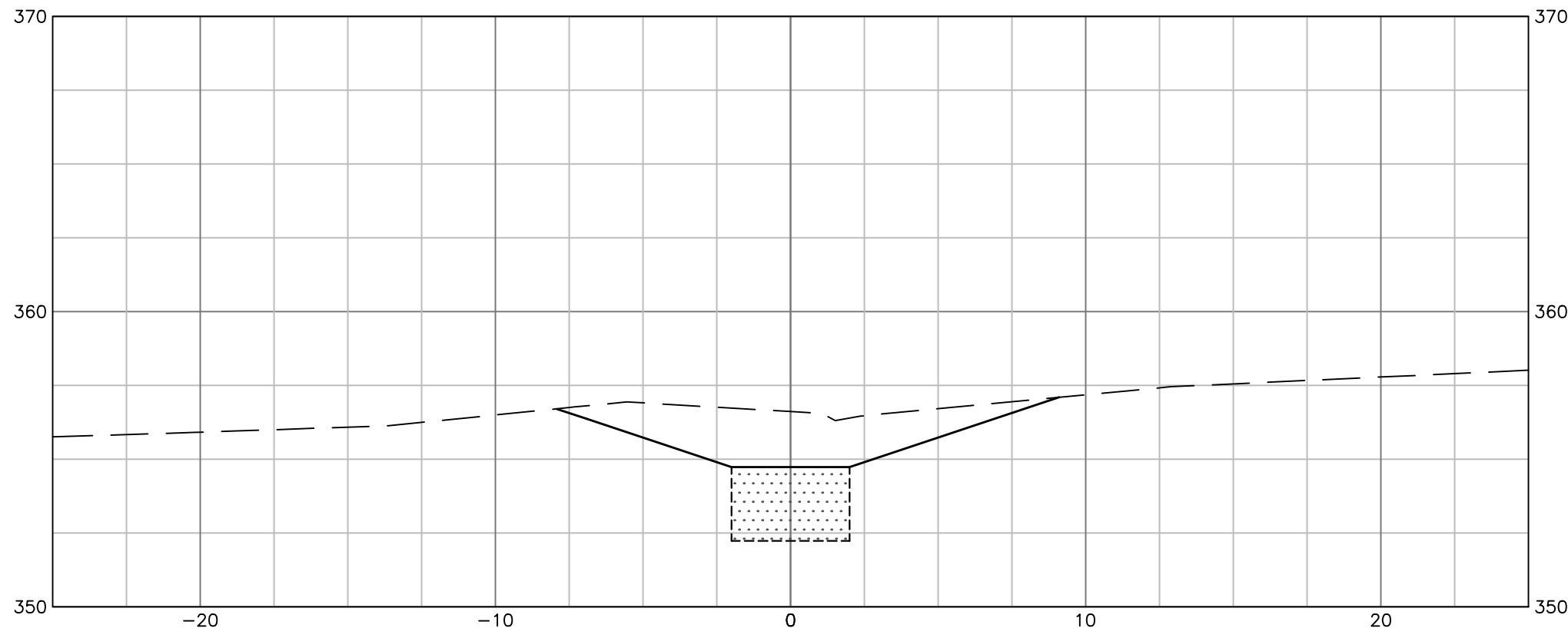
ST-8  
DRY SWALE



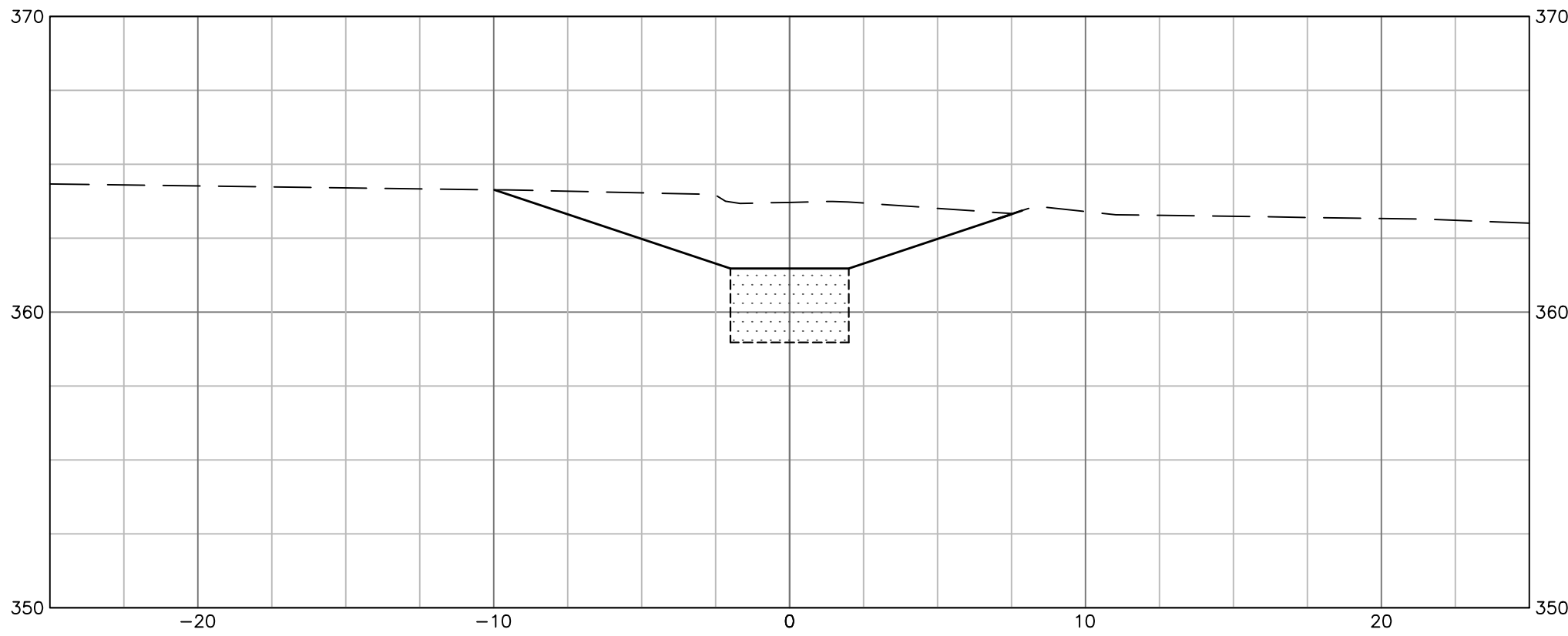
ST-7 (A)  
DRY SWALE



ST-9A  
DRY SWALE



ST-7 (B)  
DRY SWALE



ST-9  
DRY SWALE

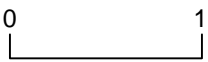


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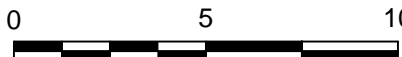
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SCALE VERIFICATION

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SCALES ACCORDINGLY



SCALE: 1" = 5'      SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

DRY SWALE TYPICAL SECTIONS

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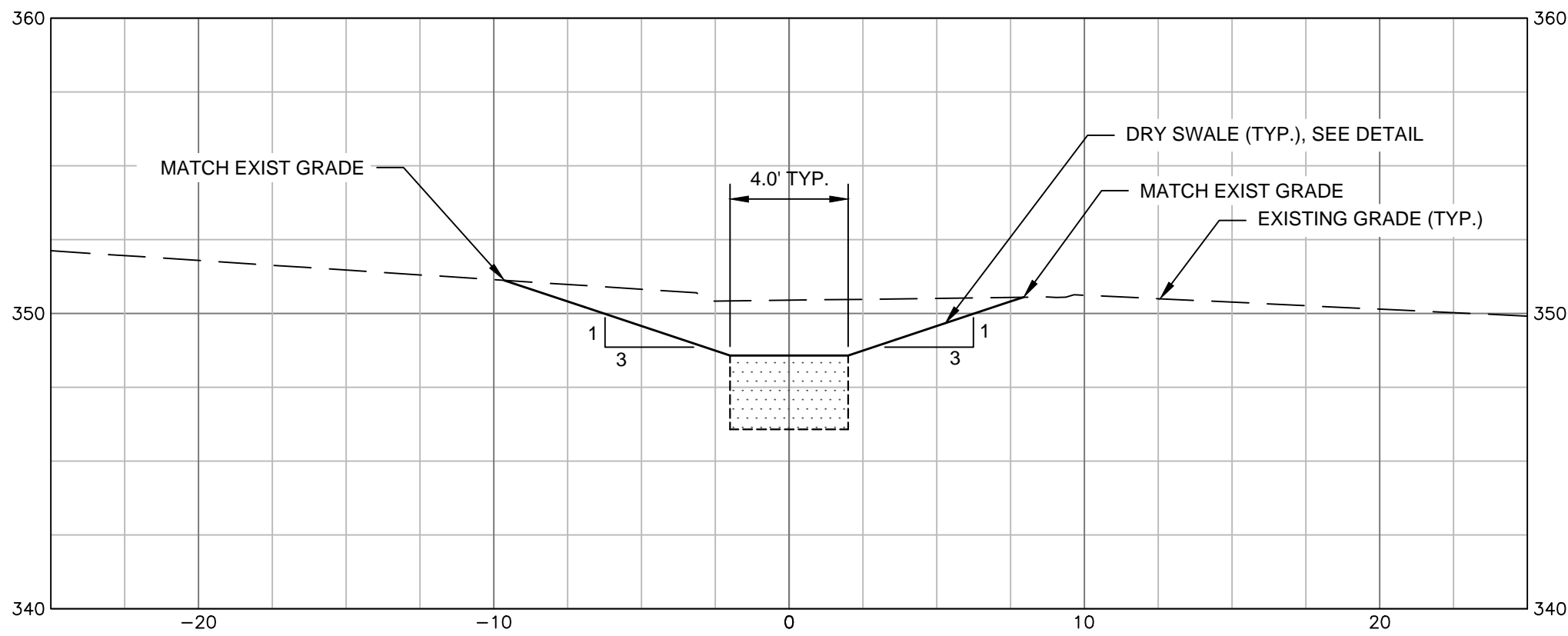


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SCOTTSDALE, AZ 85258

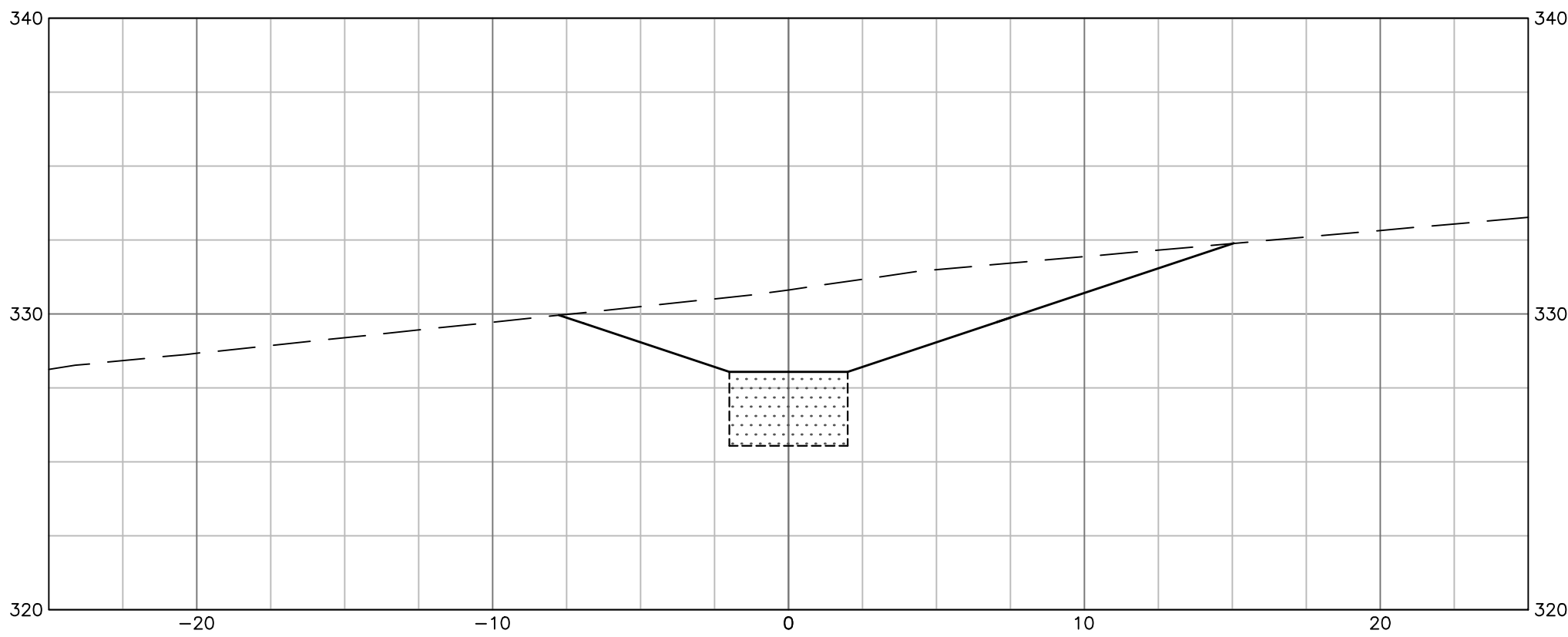
PERMANENT STABILIZATION

PROJECT NO.	20172893.001A
ISSUE DATE	06/18/2018
CURRENT REVISION	-
DESIGNED BY	KRV
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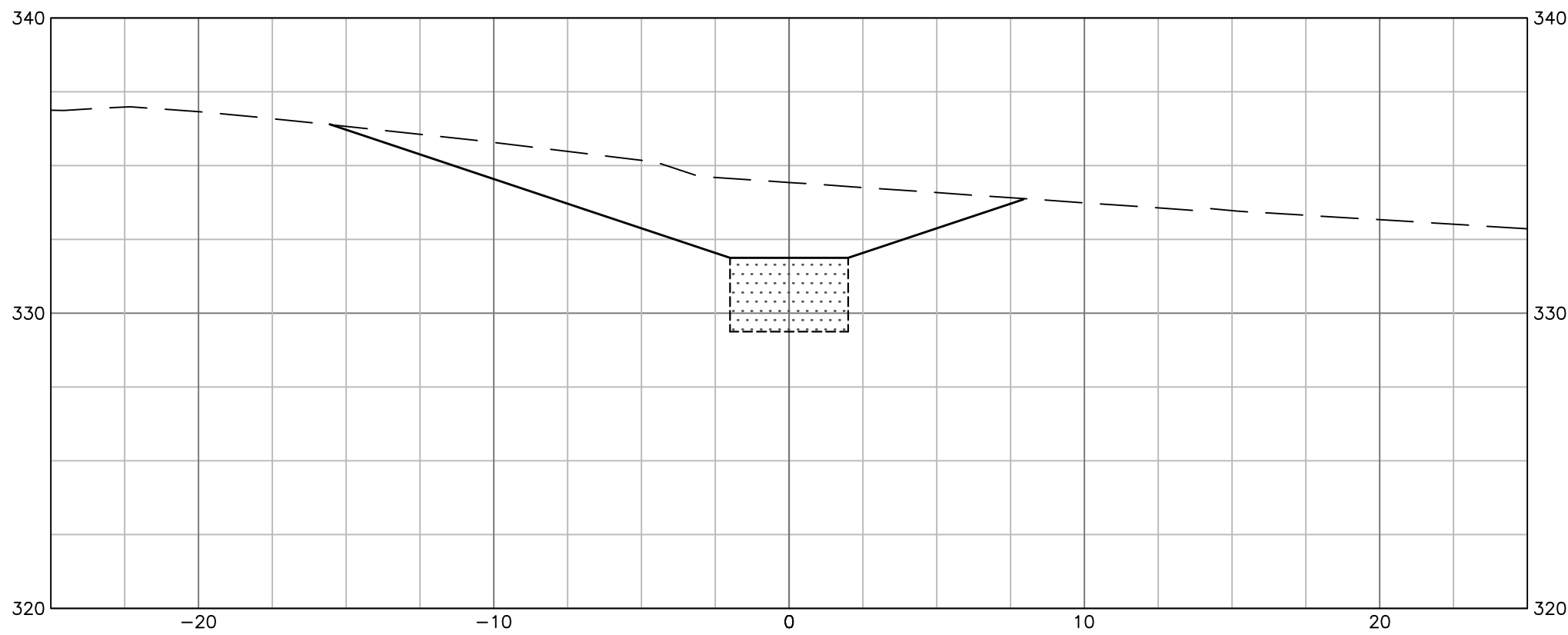
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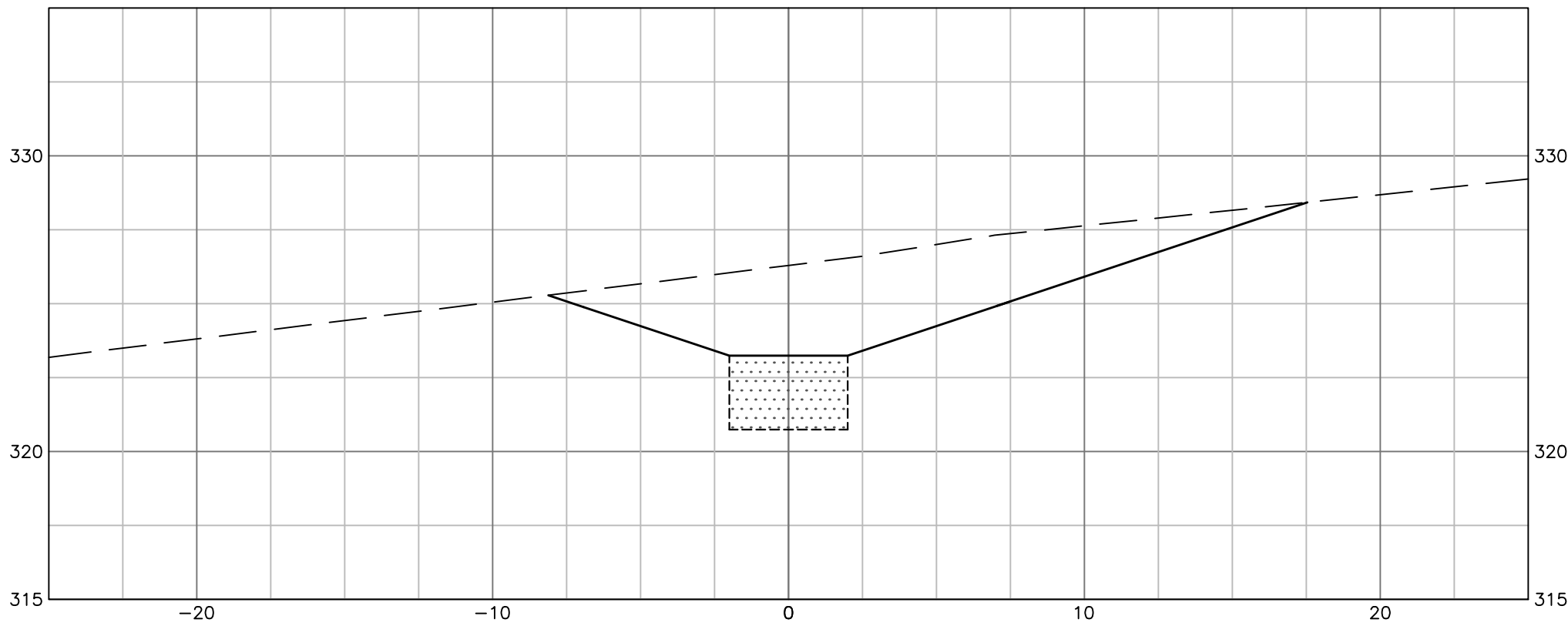
ST-10  
DRY SWALE



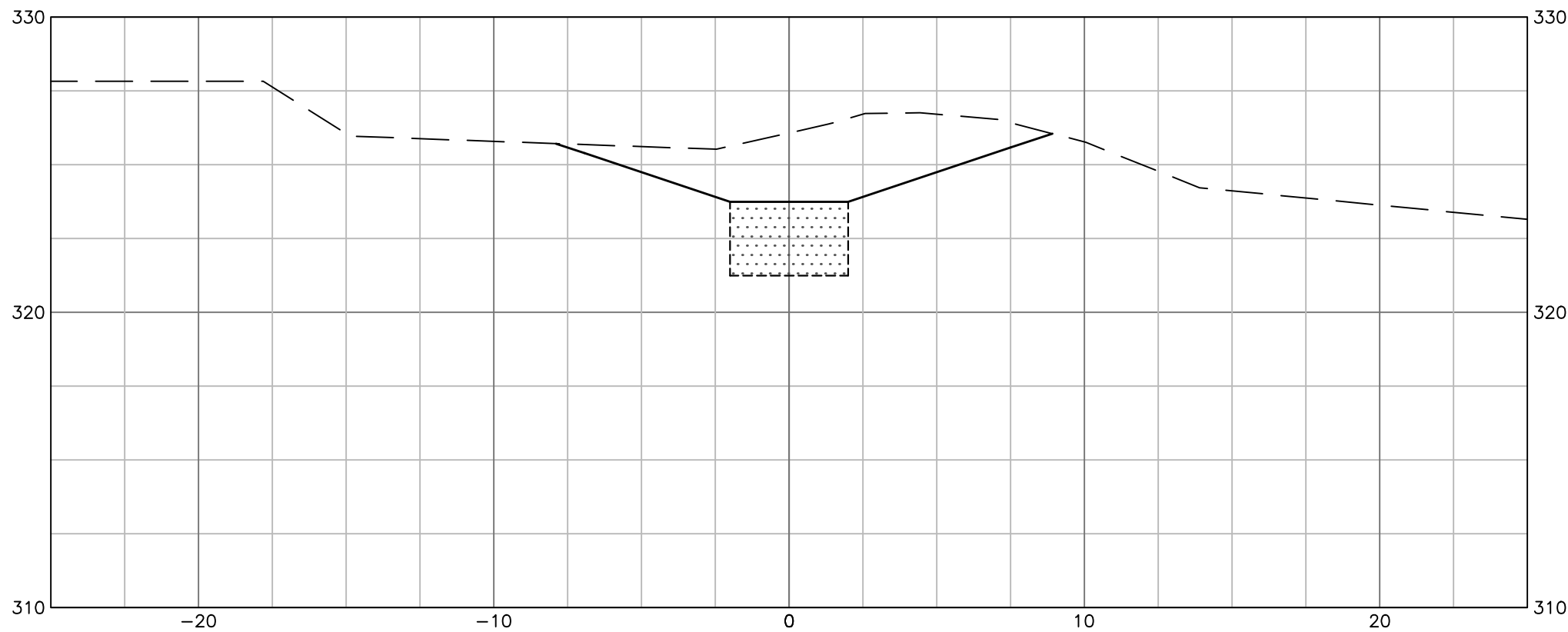
ST-10B (B)  
DRY SWALE



ST-10A  
DRY SWALE



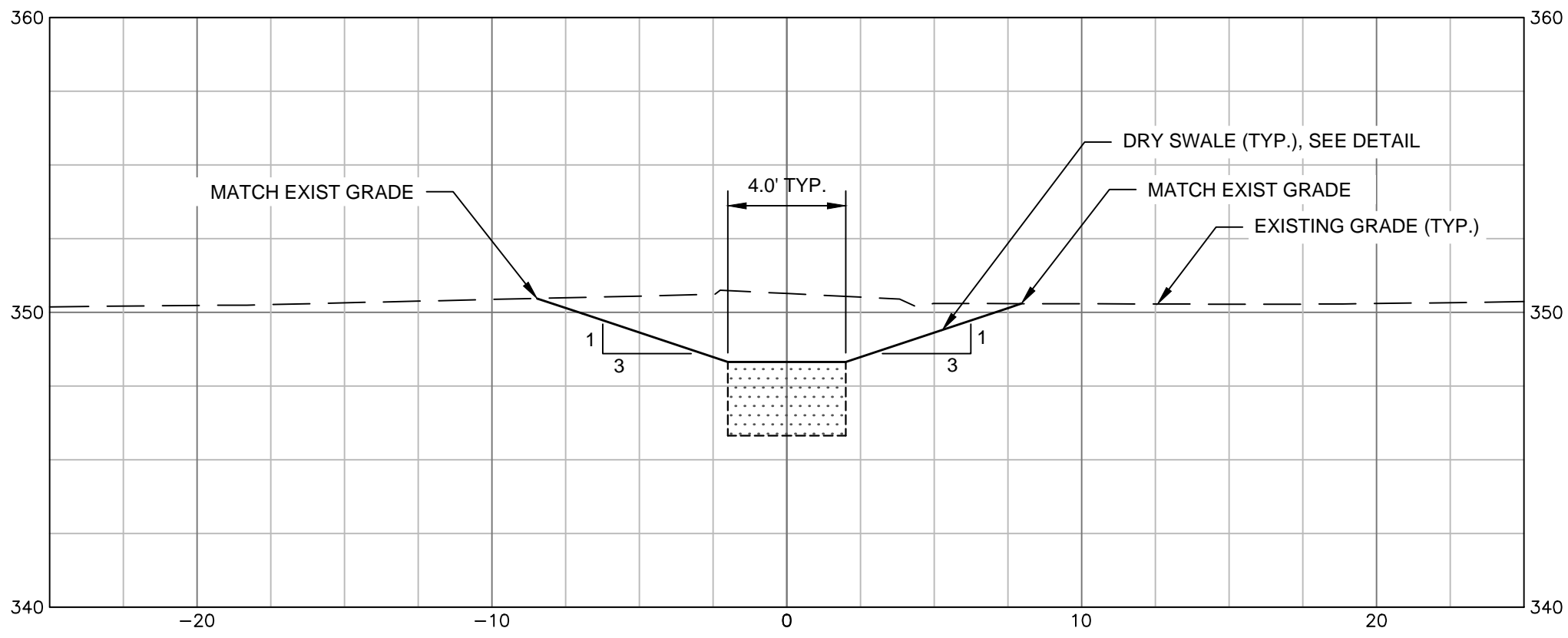
ST-10B (C)  
DRY SWALE




ST-10B (A)  
DRY SWALE



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SB-1  
DRY SWALE



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SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH  
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01"1"

IF IT'S NOT 1 INCH ON THIS  
SHEET ADJUST YOUR  
SCALES ACCORDINGLY


0510

SCALE: 1" = 5'      SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

DRY SWALE TYPICAL SECTIONS

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PERMANENT STABILIZATION

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ISSUE DATE	06/18/2018
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C-9

SHEET9 of 12





1. EXISTING SEDIMENT TRAPS, AS SHOWN ON THE GRADING AND DRAINAGE PLANS SHALL BE CONVERTED TO DECOMMISSIONED SEDIMENT TRAP.

## PLAN VIEW



SCALE: N.T.S.



SCALE: N.T.S.



### PLAN VIEW



# SCOUR HOLE

SCALE: N.T.S.

1. CONSULT WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR PRIOR TO BEGINNING THE CONVERSION FROM SEDIMENT TRAP TO DRY POND TO ENSURE THAT THE TIMING IS APPROPRIATE FOR THE CONVERSION TO TAKE PLACE.
2. CONSTRUCT DRY SWALES PRIOR TO CONVERSION OF SEDIMENT BASINS TO A DECOMMISSIONED SEDIMENT TRAP. DRY SWALES ARE LOCATED WHERE TEMPORARY DIVERSION DITCHES ARE CONSTRUCTED AND AS SHOWN ON THE PLANS. INSTALL RIP RAP CHECK DAMS. SEED AND STABILIZE.
3. PUMP DOWN SEDIMENT TRAP - USE APPROVED DEWATERING MEASURES. EFFLUENT MUST BE FILTERED.
4. REMOVE AND DISPOSE OF BAFFLES.
5. REMOVE ACCUMULATED SEDIMENT (AS NEEDED) TO ESTABLISH THE FINAL GRADE OF THE POND. SEDIMENT MUST BE DISPOSED OF IN AN APPROVED AREA.
6. FILL WET STORAGE VOLUME DEPTH OF SEDIMENT TRAP WITH EXCAVATION MATERIAL FROM DRY SWALE INSTALLATION AND BERM DEMOLITION. GRADE SIDE SLOPES OF 3:1 MAX. IN ORDER TO ACHIEVE AN ACCESSIBLE AREA FOR LAWN MOWING REGULAR MAINTENANCE. GRADE AND ROUGHEN THE BOTTOM OF THE POND TO PREPARE IT FOR SEEDING.
7. RECONFIGURE OUTLET TO A ROCK STONE DAM.
8. SEED, MULCH, AND TACK JUTE OR OTHER SUITABLE MATTING TO THE BOTTOM AND SIDES.
9. AFTER THE CONVERSION IS COMPLETE, PREPARE AND SUBMIT AS-BUILT OF THE POND(S) TO THE REGULATORY AGENCY.

1. **INSPECTIONS:** PERIODIC SCHEDULED INSPECTIONS WITH A SPECIFIED CHECKLIST, AND INSPECTIONS AFTER MAJOR RAINFALL EVENTS, TO CHECK FOR OBSTRUCTIONS/DAMAGE & TO REMOVE DEBRIS/ TRASH.
2. **VEGETATION MANAGEMENT:** MOWING ON A REGULAR BASIS TO PREVENT EROSION OR AESTHETIC PROBLEMS. LIMITED USE OF FERTILIZERS AND PESTICIDES IN AND AROUND THE PONDS TO MINIMIZE ENTRY INTO POND AND SUBSEQUENT DOWNSTREAM WATERS. WHEN MOWING, COLLECT GRASS CLIPPINGS AND ALL OTHER CLIPPING/TRIMMING AND TAKE OFFSITE FOR DISPOSAL. DO NOT LEAVE. DO NOT MOW TOO CLOSE TO THE SURFACE, HEIGHT SHOULD BE 4 TO 6 INCHES TO MAINTAIN HEALTHY GRASSES.
3. **TRASH, DEBRIS AND LITTER REMOVAL:** REMOVAL OF ANY TRASH, ETC CAUSING ANY OBSTRUCTIONS DURING PERIODIC INSPECTIONS . GENERAL PICKUP OF TRASH, ETC IN AND AROUND DURING ALL INSPECTIONS.




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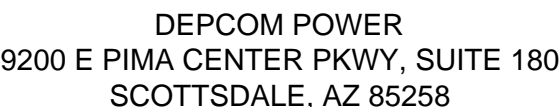


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## DETAILS

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## PERMANENT STABILIZATION

PROJECT NO. 20172893.001A	
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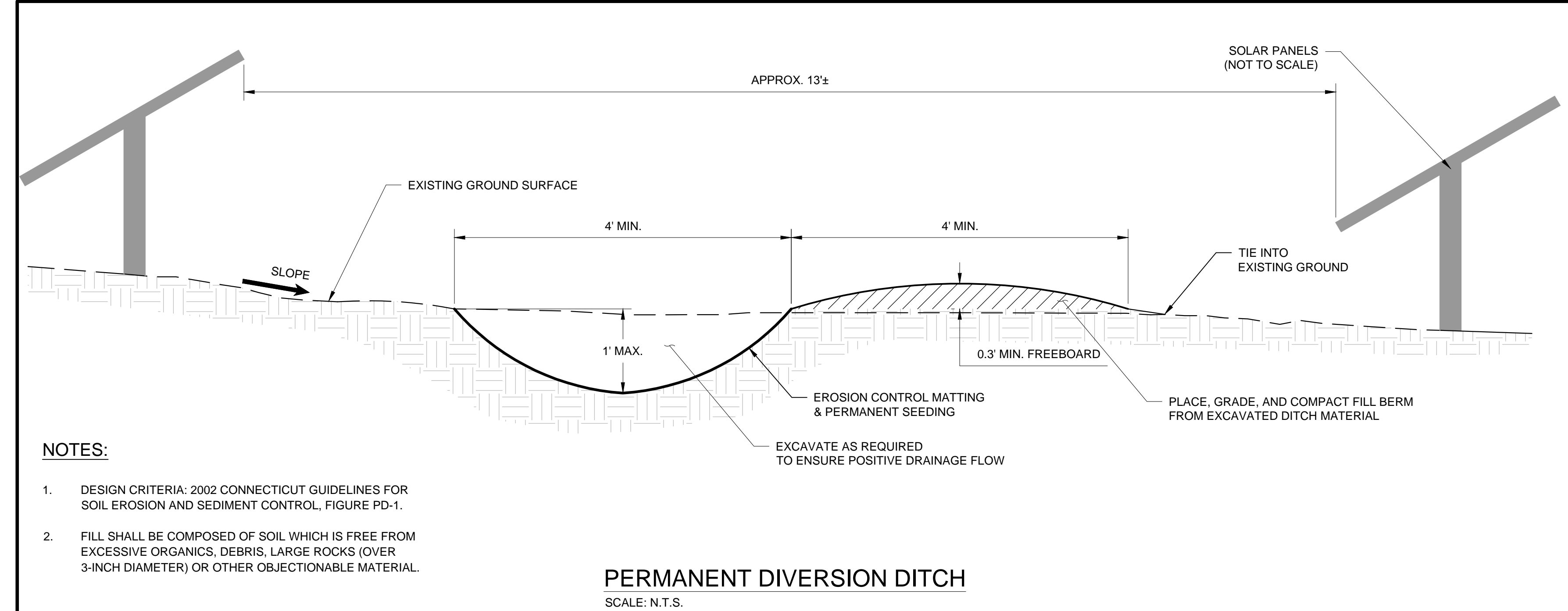
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SHEET 10 of 12

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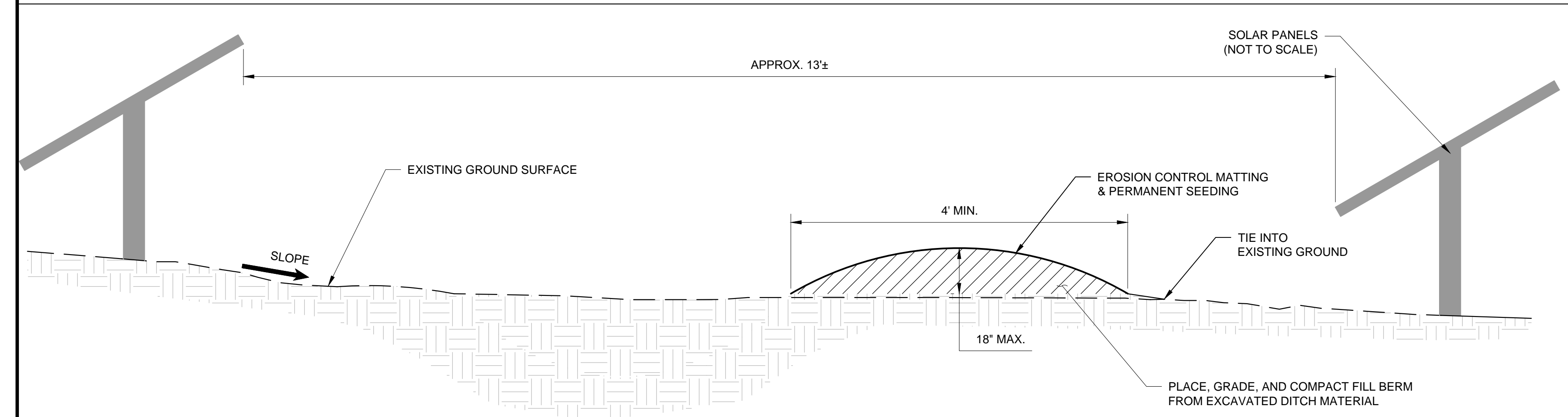


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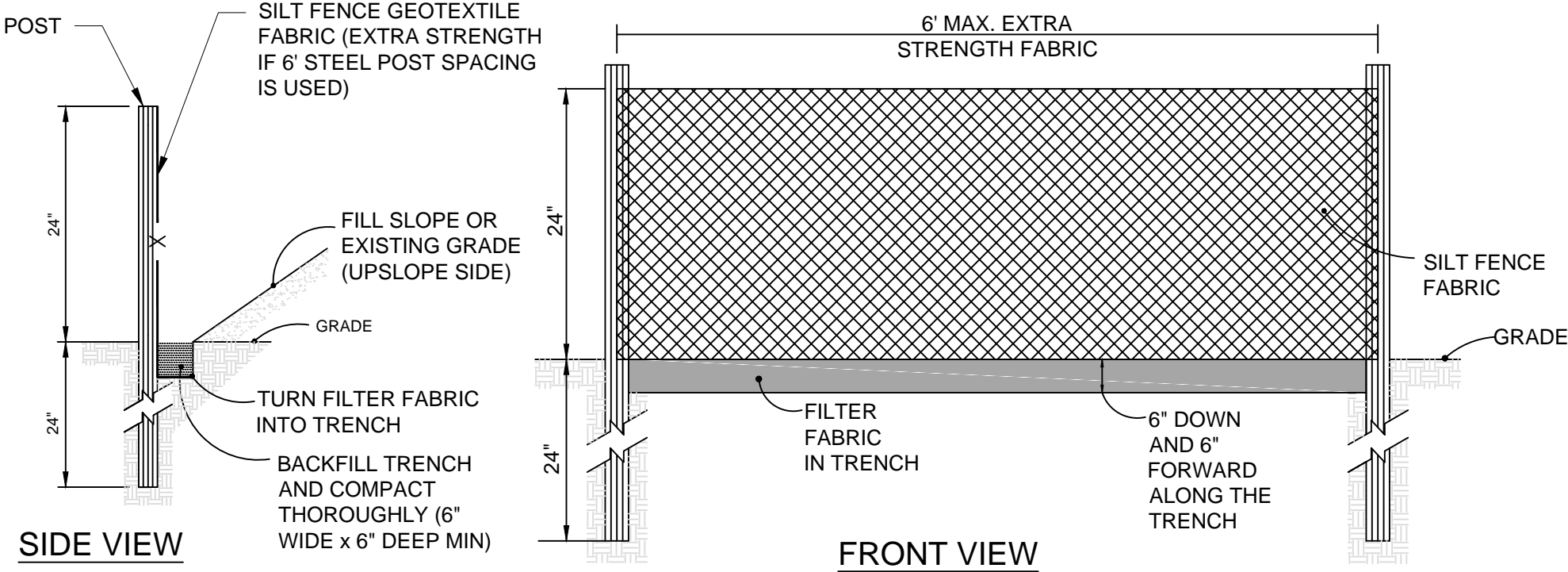
**NOTES:**

- DESIGN CRITERIA: 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, FIGURE PD-1.
- FILL SHALL BE COMPOSED OF SOIL WHICH IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER 3-INCH DIAMETER) OR OTHER OBJECTIONABLE MATERIAL.



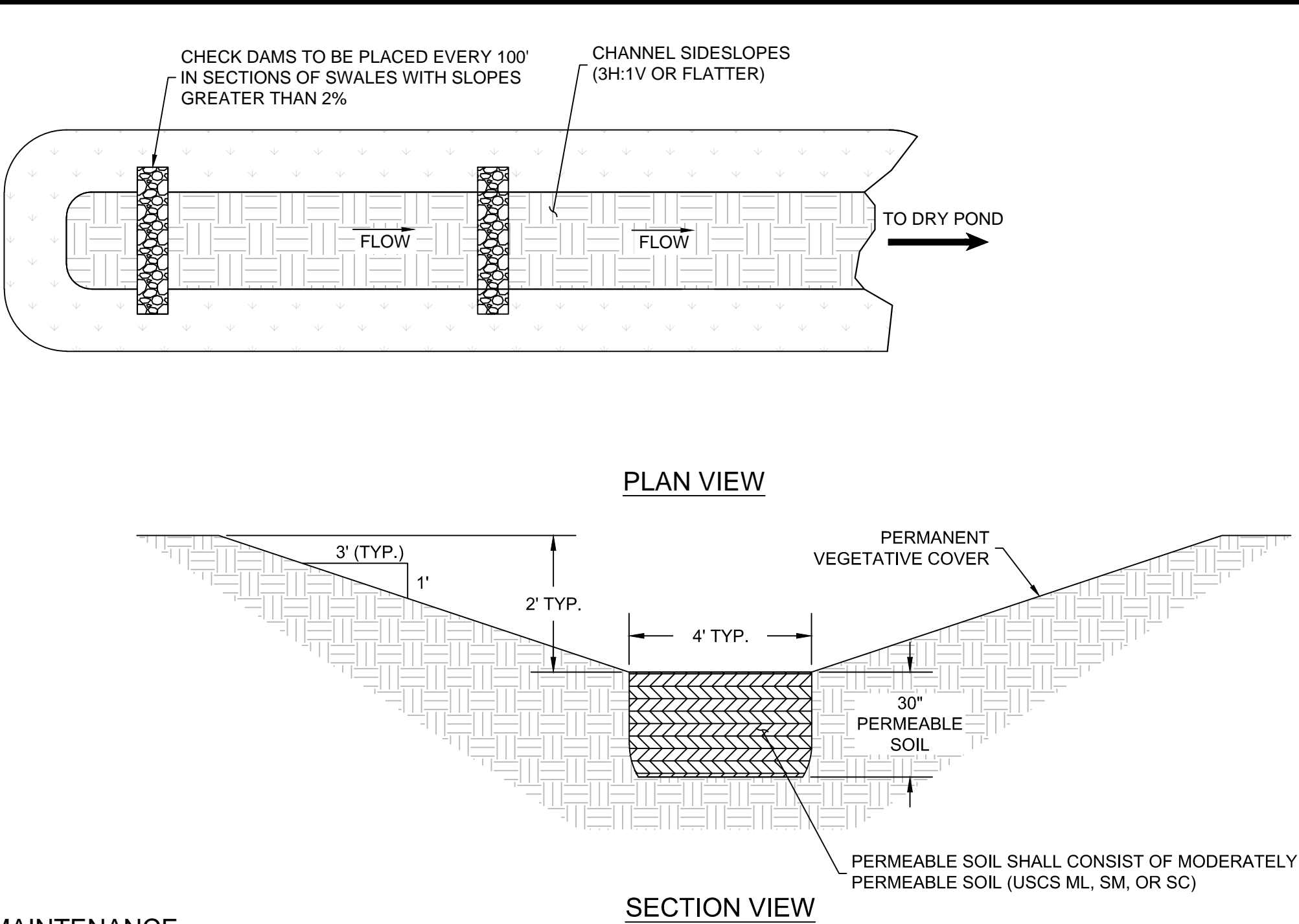
**NOTES:**

- FILL SHALL BE COMPOSED OF SOIL WHICH IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER 3-INCH DIAMETER) OR OTHER OBJECTIONABLE MATERIAL.



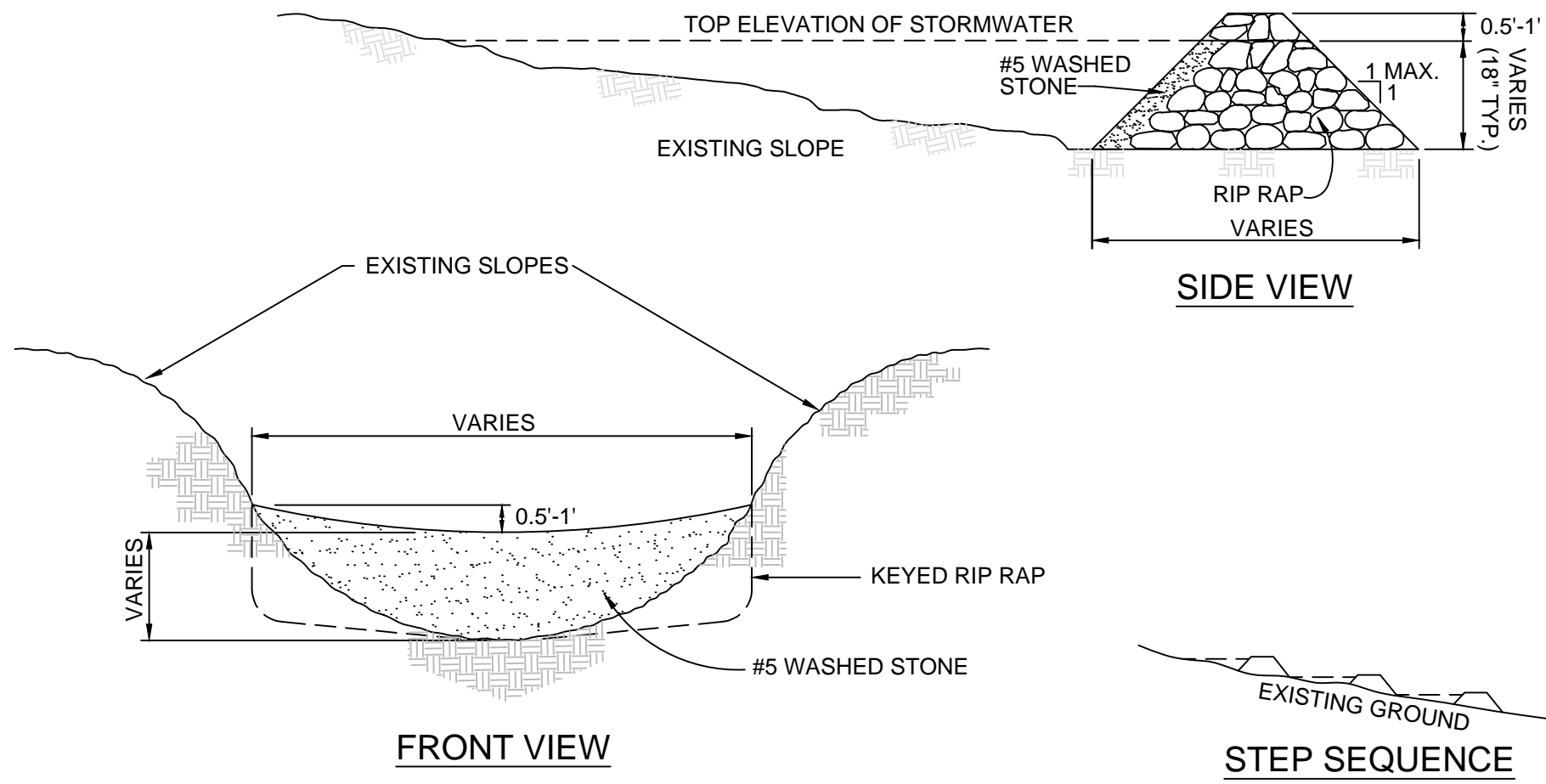
**NOTES:**

- USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
- END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
- INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL SILT FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- POSTS SHALL BE 4" OAK STAKES, 1.5" SQUARE.



**MAINTENANCE:**

- INSPECT SWALES SEVERAL TIMES DURING THE FIRST FEW MONTHS TO ENSURE THAT GRASS COVER IS ESTABLISHED. INSPECT SWALES SEMI-ANNUALLY FOR THE REMAINDER OF THE FIRST YEAR AND AFTER MAJOR STORM EVENTS. ANNUAL INSPECTIONS ARE SUFFICIENT AFTER THE FIRST YEAR.
- THE INITIAL SEDIMENT FOREBAY SHOULD BE INSPECTED ANNUALLY FOR CLOGGING AND SEDIMENT BUILDUP. SEDIMENT BUILDUP SHOULD BE REMOVED WHEN APPROXIMATELY 25 PERCENT OF THE WATER QUALITY VOLUME OR CHANNEL CAPACITY HAS BEEN EXCEEDED. EXCESSIVE TRASH AND DEBRIS SHOULD BE REMOVED AND DISPOSED OF IN AN APPROPRIATE LOCATION.
- THE VEGETATION ALONG THE SWALE BOTTOM AND SIDE SLOPES SHOULD BE INSPECTED FOR EROSION AND REPAIRED (SEEDED OR SODDED), AS NECESSARY.
- GRASS SHOULD BE MOWED ON A REGULAR BASIS, BUT AT LEAST ONCE PER YEAR. DRY SWALES SHOULD BE MOWED AS REQUIRED TO MAINTAIN GRASS HEIGHTS OF 4 TO 6 INCHES DURING THE GROWING SEASON. WET SWALES, WHICH TYPICALLY INCORPORATE WETLAND VEGETATION, REQUIRE LESS FREQUENT MOWING. TO AVOID THE CREATION OF RUTS AND COMPACTION, WHICH CAN REDUCE INFILTRATION AND LEAD TO POOR DRAINAGE, MOWING SHOULD NOT BE PERFORMED WHEN THE GROUND IS SOFT.
- PERMEABLE SOIL SHALL HAVE AN INFILTRATION RATE OF AT LEAST 1-FT PER DAY.



**MAINTENANCE:**

- DURING CONSTRUCTION INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY.
- CLEAN OUT SEDIMENT, STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL OR DAMAGE VEGETATION, WHEN NEEDED. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY.
- IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIP RAP LINER TO MAINTAIN CROSS SECTION IN THAT PORTION OF THE CHANNEL.

**CONSTRUCTION NOTES:**

- HEIGHT AND WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
- KEY RIP RAP INTO THE DAM FOR STABILIZATION.

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REV	DESCRIPTION	DSN DWN	CHK APP	DATE

**SCALE VERIFICATION**

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

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ORIGINAL DRAWING SIZE IS 24 x 36

**DETAILS**

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SPRAGUE, CT 06630

**DEPCOM POWER**

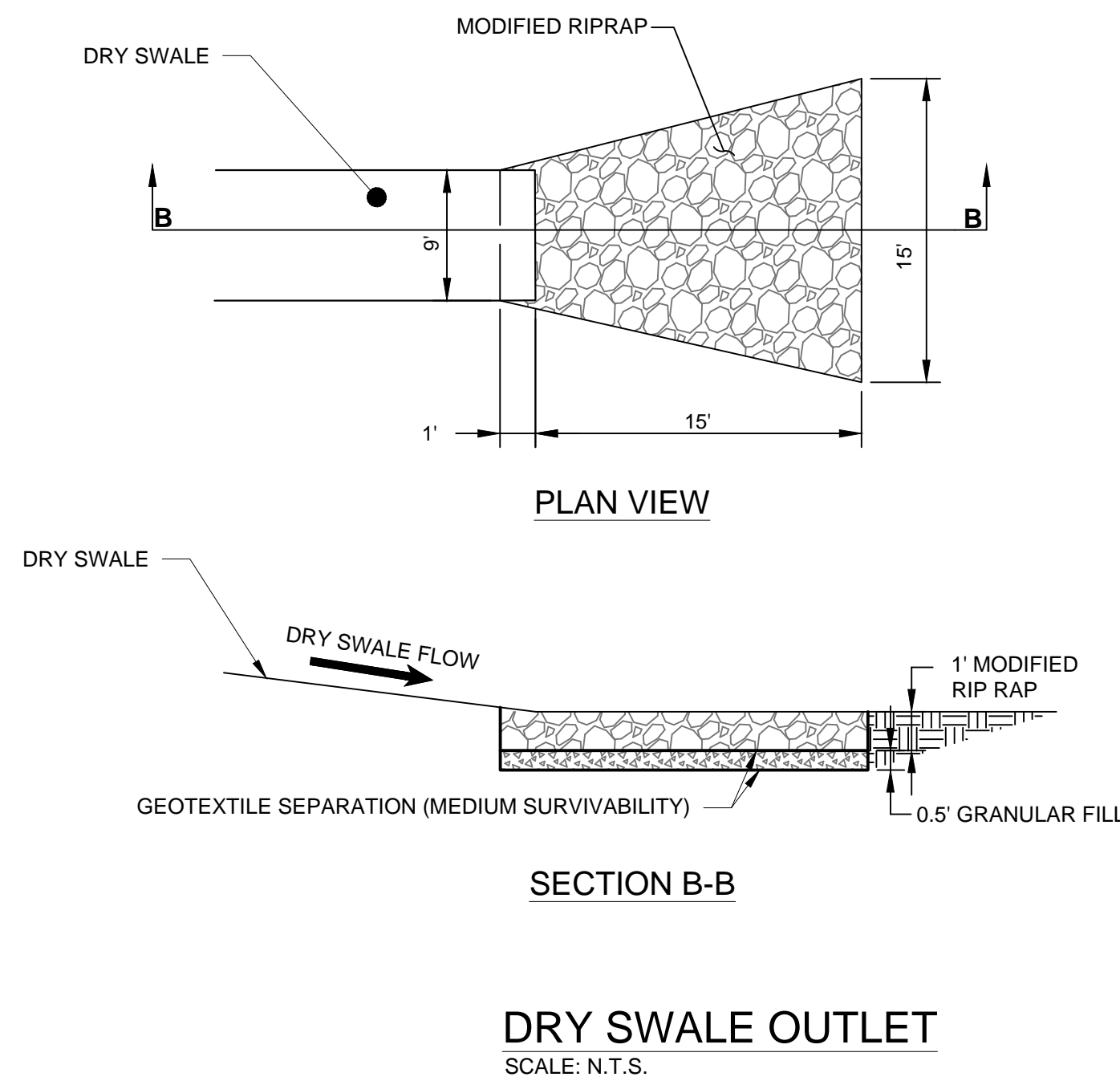
DEPCOM POWER  
9200 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85258

PERMANENT STABILIZATION	
PROJECT NO.	20172893.001A
ISSUE DATE	06/18/2018
CURRENT REVISION	-
DESIGNED BY	KRV
DRAWN BY	KRV
CHECKED BY	AGB
APPROVED BY	AGB

**C-11**

11 of 12





## LANDSCAPE NOTES

1. ALL TOPSOIL USED ON SITE SHALL BE FROM STOCKPILE (EXISTING TOP SOIL) OR BORROW (FROM LOCAL SOURCES).
2. TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4".
3. CONTRACTOR SHALL SUBMIT SAMPLES OF THE EXISTING TOPSOIL AND FROM EACH PROPOSED TOPSOIL SOURCE TO A CERTIFIED TESTING LABORATORY TO DETERMINE pH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. CONTRACTOR SHALL SUBMIT TEST RESULTS TO OWNER OR ENGINEER FOR REVIEW. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR PROPER SOIL pH AS RECOMMENDED BY TEST REPORTS.
4. ALL SLOPES STEEPER THAN 3:1 RECEIVING A NATIVE SEED MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET OF STRAW FIBER AND BIODEGRADABLE OR PHOTODEGRADABLE NETTING.

## SEEDING MIXTURES

1. PERMANENT SEED MIXTURE SHALL MEET THE SPECIFICATIONS OF THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

A. SEED MIX (NO. 2 - MOWING REQUIRED)	
APPLICATION RATE	SPECIES
20 LBS/ACRE	CREeping RED FESCUE
2 LBS/ACRE	REDTOP
20 LBS/ACRE	TALL FESCUE OR SMOOTH
BROMEGRASS	

SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 15,  
UNLESS  
OTHERWISE APPROVED BY OWNER.

- | B. SEED MIX (NO. 5 - MOWING NOT REQUIRED) |                     |
|---|---------------------|
| APPLICATION RATE                          | SPECIES             |
| 10 LBS/ACRE                               | WHITE CLOVER        |
| 2 LBS/ACRE                                | PERENNIAL RYE GRASS |

- C. WET SEED MIX (NEW ENGLAND WETMIX)  
APPLICATION RATE  
18 LBS/ACRE  
BY NEW ENGLAND WETLAND PLANTS

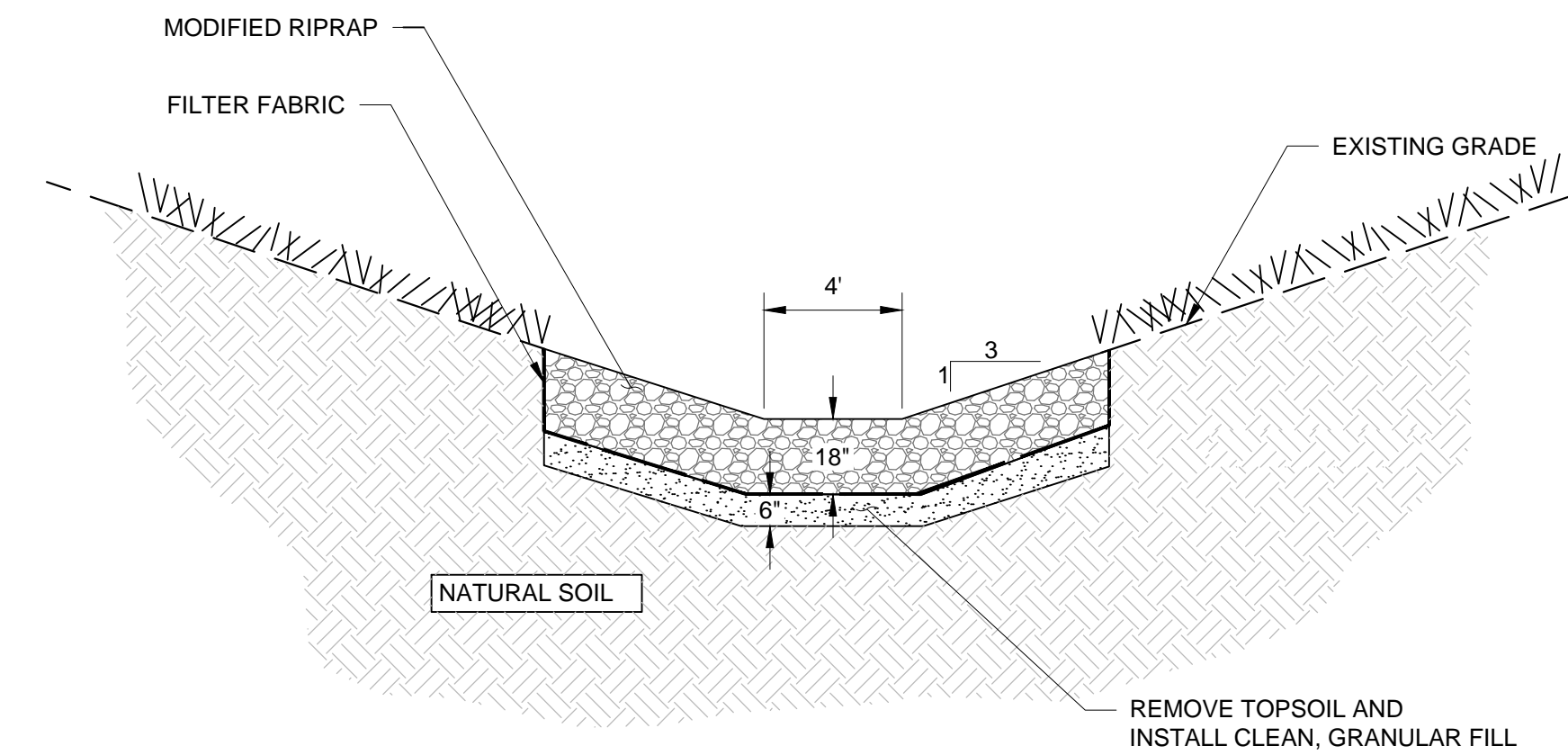
- D. NATIVE SEED MIX (NEW ENGLAND CONSERVATION/WILDLIFE MIX)  
APPLICATION RATE  
18 LBS/ACRE  
BY NEW ENGLAND WETLAND PLANTS

SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 15,  
UNLESS OTHERWISE APPROVED BY OWNER.

- E. SEED MIX (SOLAR MIX)
- |     |                         |
|-----|-------------------------|
| 25% | HENREYS HARD FESCUE     |
| 25% | AZURE SHEEPS FESCUE     |
| 25% | AMBROSE CHEWINGS FESCUE |
| 25% | CREEPING RED FESCUE     |

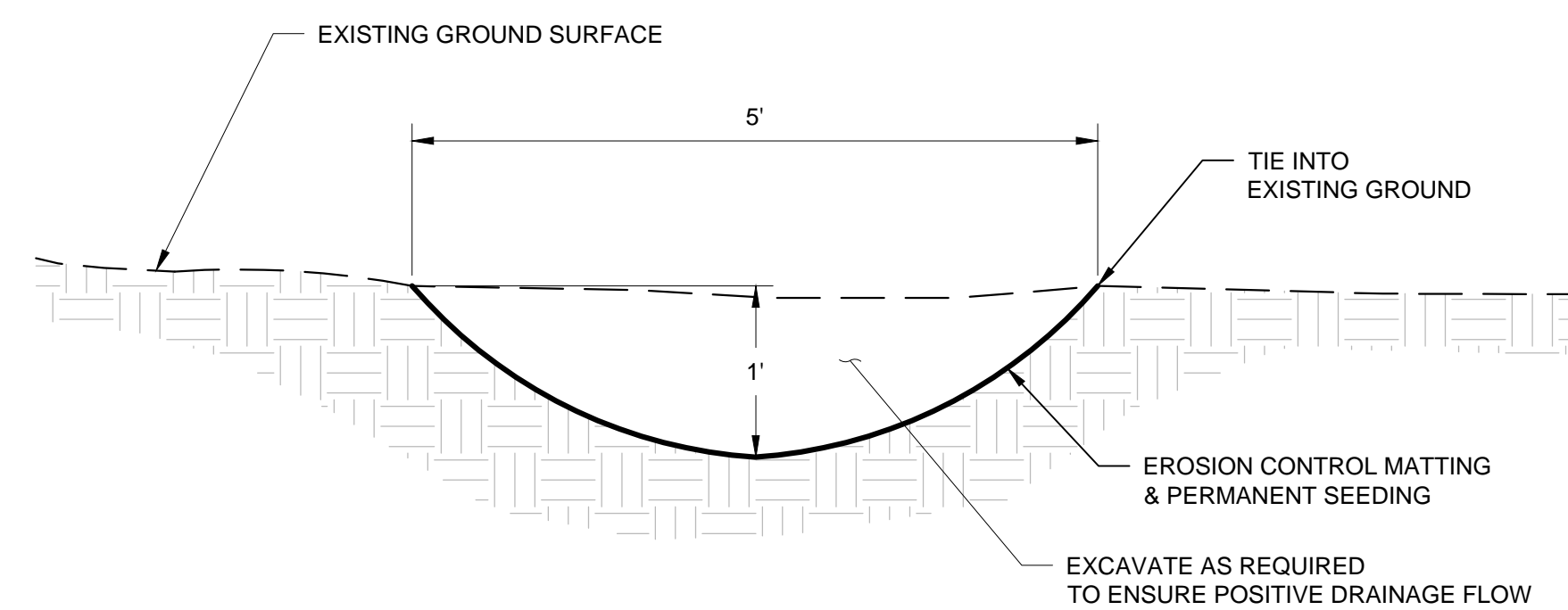
## PERMANENT SEEDING

SCALE: N.T.S.



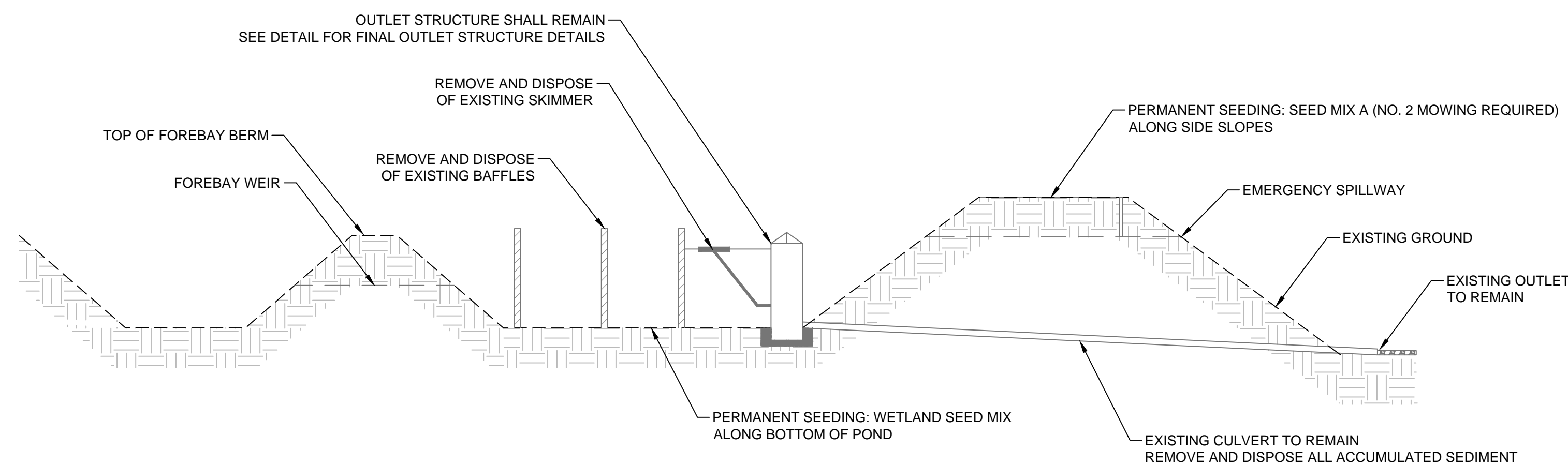
### MODIFIED RIPRAP SWALE

SCALE: N.T.S.



## GRASS SWALE

SCALE: N.T.S.

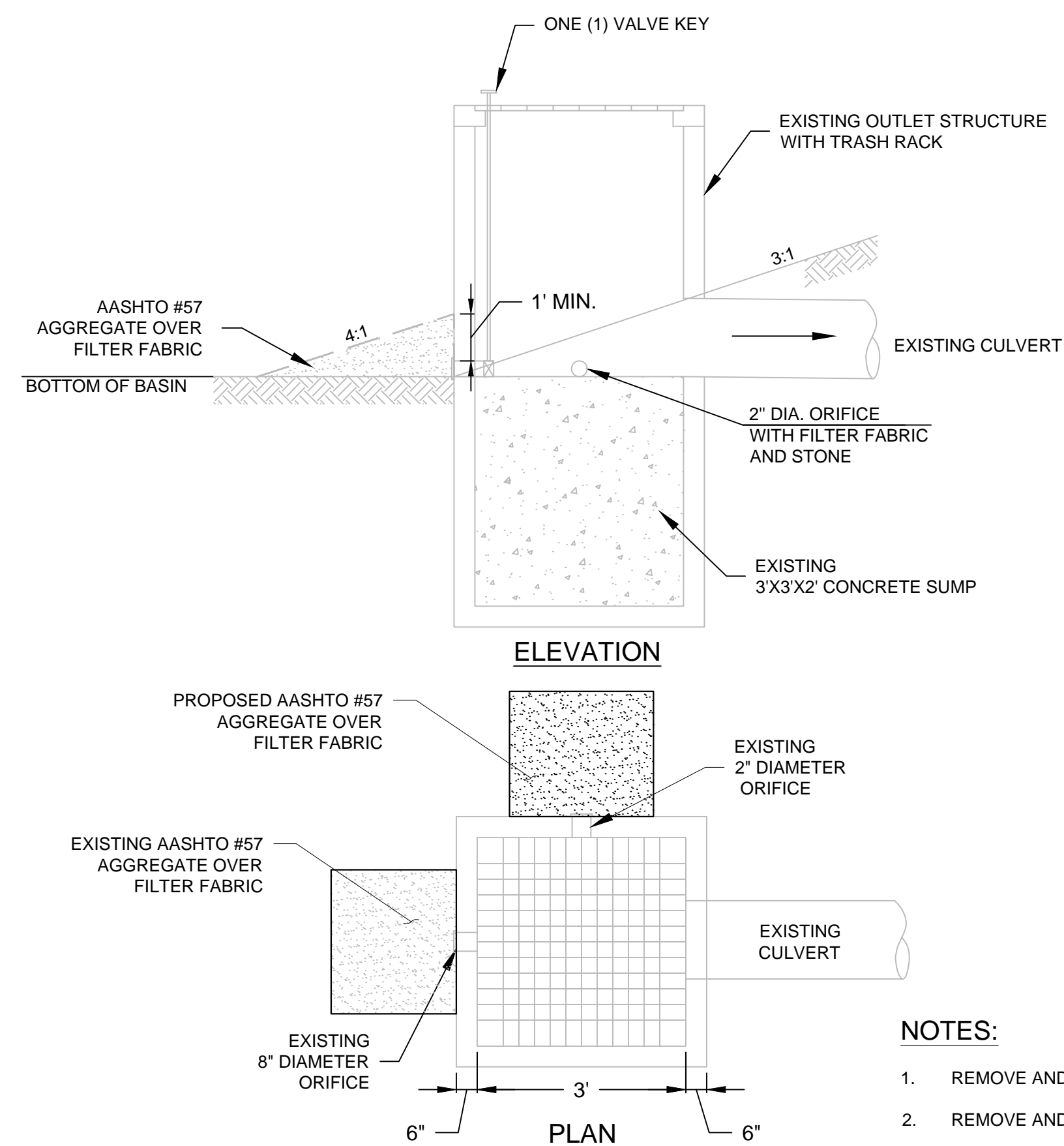


### CONSTRUCTION SEQUENCE:

1. CONSULT WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR PRIOR TO BEGINNING THE CONVERSION FROM SEDIMENT BASIN TO INFILTRATION BASIN TO ENSURE THAT THE TIMING IS APPROPRIATE FOR THE CONVERSION TO TAKE PLACE.
2. PUMP DOWN SEDIMENT BASIN - USE APPROVED DEWATERING MEASURES. EFFLUENT MUST BE FILTERED.
3. REMOVE AND DISPOSE OF COIR BAFFLES OR RIPRAP BAFFLES. REMOVE SKIMMER.
4. REFERENCE THIS DETAIL FOR FINAL OUTLET STRUCTURE DETAILS.
5. REMOVE ACCUMULATED SEDIMENT (AS NEEDED) TO ESTABLISH THE FINAL GRADE OF THE POND. SEDIMENT MUST BE DISPOSED OF IN AN APPROVED AREA.
6. GRADE SIDE SLOPES OF 3:1 MAX. IN ORDER TO ACHIEVE AN ACCESSIBLE AREA FOR LAWN MOWING REGULAR MAINTENANCE. GRADE AND ROUGHEN THE BOTTOM OF THE POND TO PREPARE IT FOR SEEDING.
7. SEED, MULCH, AND TACK JUTE OR OTHER SUITABLE MATTING TO THE BOTTOM AND SIDES OF THE POND.
8. AFTER THE CONVERSION IS COMPLETE, PREPARE AND SUBMIT AS-BUILT OF THE POND(S) TO THE REGULATORY AGENCY.

### INFILTRATION BASIN (CONVERSION FROM SEDIMENT BASIN)

SCALE: N.T.S



## OUTLET STRUCTURE WITH TRASH RACK

SCALE: N.T.S.




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Phone: 860-563-7775  
[www.kleinfelder.com](http://www.kleinfelder.com)

[illegible]

**SCALE VERIFICATION**

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING



0 1"

IF IT'S NOT 1 INCH ON THIS  
SHEET ADJUST YOUR  
SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 24 x 36

## DETAILS

FUSION SOLAR CENTER, L.L.C.  
POTASH HILL ROAD  
SPRAGUE, CT 06630



DEPCOM POWER  
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SCOTTSDALE, AZ 85258

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