

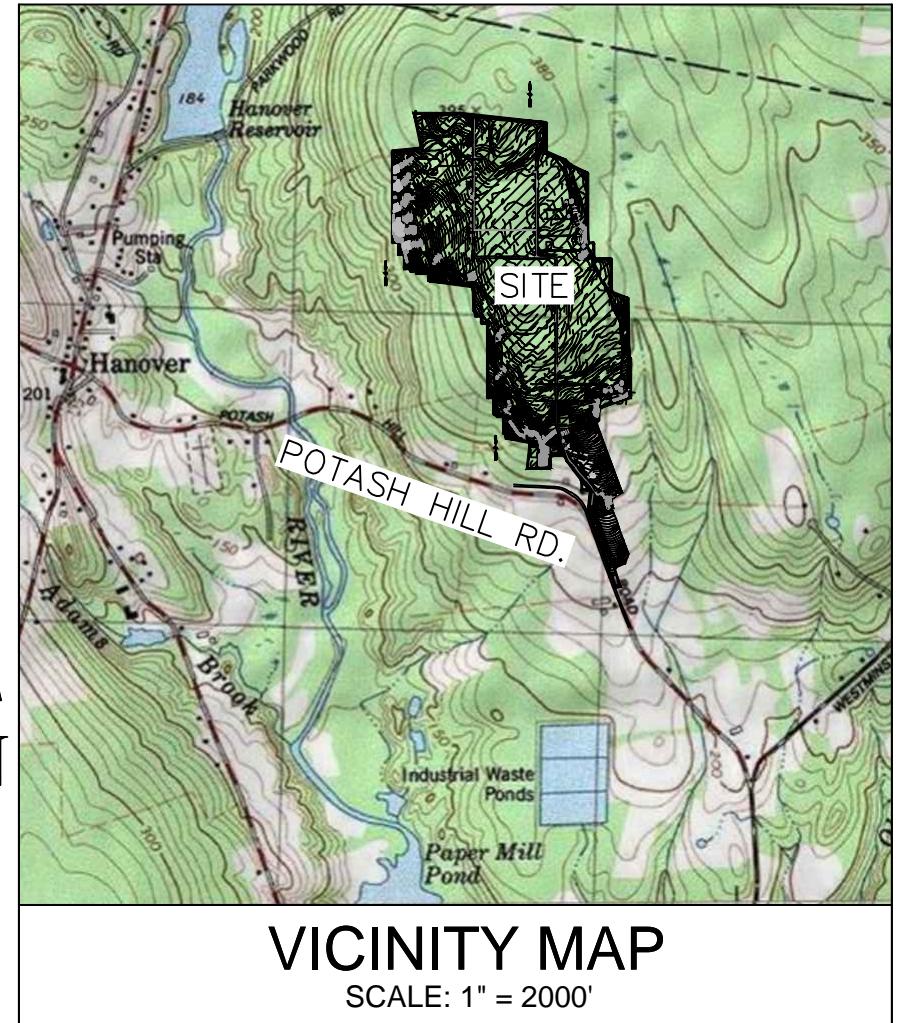
**From:** Thuman, Christopher [mailto:Christopher.Thuman@deshaw.com]  
**Sent:** Wednesday, June 05, 2019 8:08 AM  
**To:** Cathy Osten (firstselectman@ctsprague.org); wblanchard02@snet.net; bauer.nl@comcast.net; dheld@prorovinc.com; scottdrowne@gmail.com; dembinskidene@sbglobal.net; Bachman, Melanie; CSC-DL Siting Council; Melvin, Robert; grhoule@gmail.com  
**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.



# PERMANENT STABILIZATION FOR LONG TERM CONTROL MEASURES

## LOCATION:

# POTASH HILL ROAD SPRAGUE, CONNECTICUT

## DRAWING LIST

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

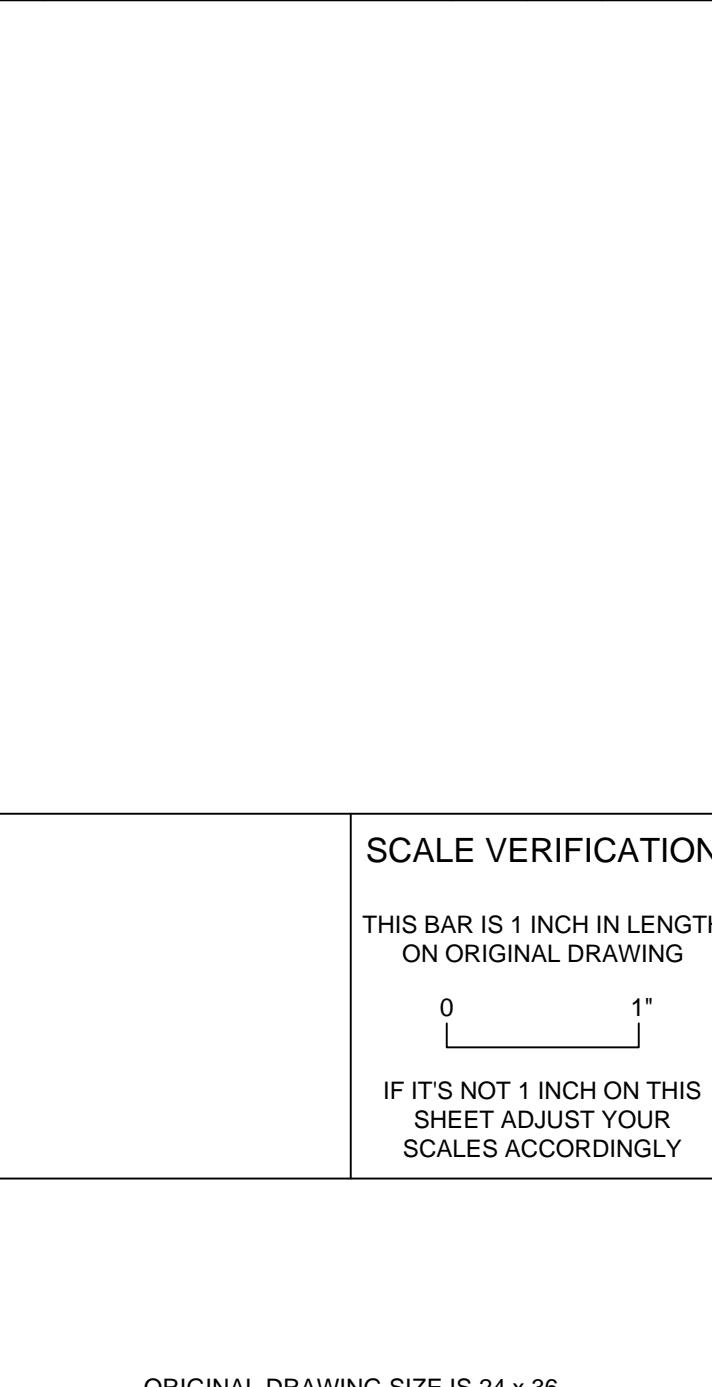
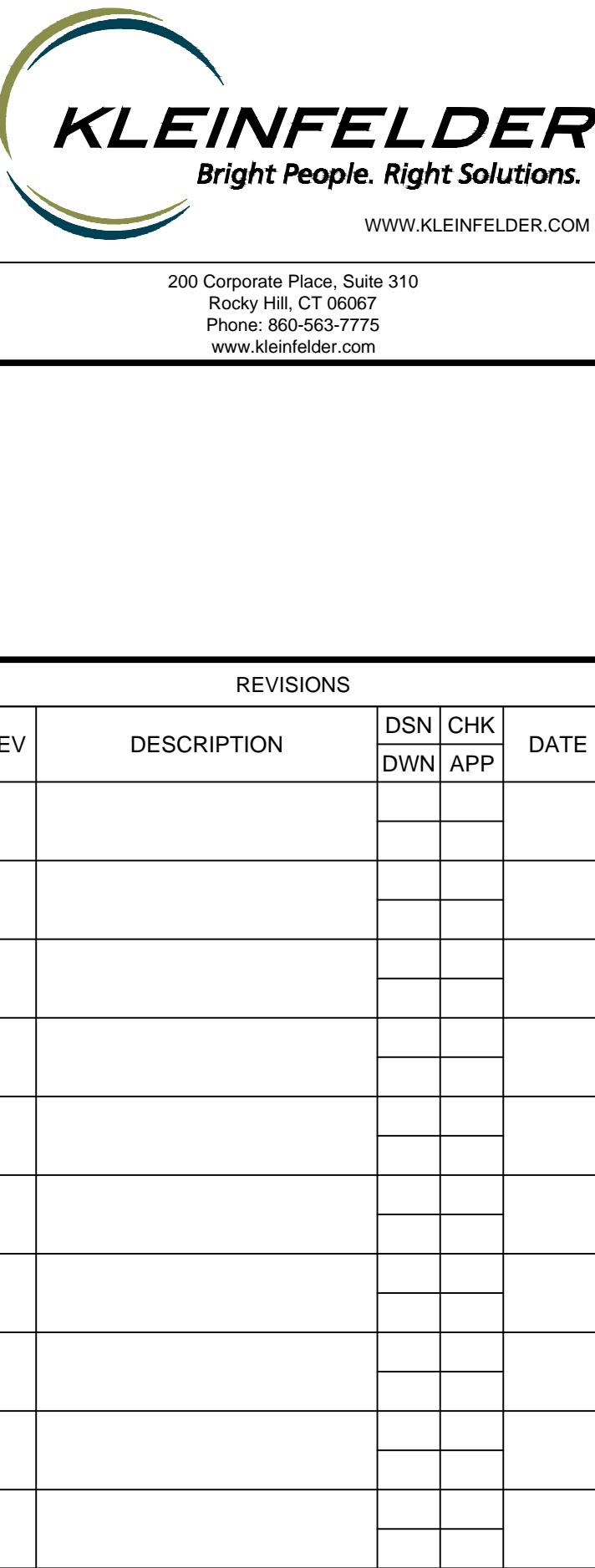
# PROJECT MAP

SCALE: 1" = 500'



# DEPCOM POWER

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



ORIGINAL DRAWING SIZE IS 24 x 36

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

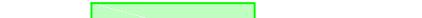
PROJECT NO. 20172893.001A		<b>C-1</b>
ISSUE DATE	06/18/2018	
CURRENT REVISION -		
DESIGNED BY	KRV	
DRAWN BY	KRV	
CHECKED BY	AGB	
APPROVED BY	AGB	SHEET <b>1</b> of <b>12</b>

C-1

<p><b>GENERAL NOTES</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>WETLAND AND STREAM DELINEATION PROVIDED BY ALL-POINTS TECHNOLOGY CORPORATION, P.C.'S ENVIRONMENTAL ASSESSMENT, DATED JULY, 2015.</li> <li>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.</li> <li>THE SITE DOES NOT CONTAIN ANY EXISTING SPECIES OF VEGETATION THAT IS TO BE PROTECTED.</li> <li>THE CONTRACTOR SHALL TAKE CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED AREAS OR SEDIMENTATION AND EROSION CONTROL MEASURES.</li> <li>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.</li> <li>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.</li> </ol>		<p><b>ENVIRONMENTAL NOTES</b></p> <p>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.</p> <p><b>WOOD TURTLE AND WETLAND PROTECTION PROGRAM</b></p> <p>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 &amp; 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b>1. ISOLATION MEASURES &amp; EROSION AND SEDIMENTATION CONTROLS</b></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>e. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED OUTSIDE OF THE ISOLATION BARRIER FENCING.</p> <p>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.</p> <p><b>2. CONTRACTOR EDUCATION</b></p> <p>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.</p> <p>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.</p>		<p>1. HAYFIELDS SHOULD BE MOWED FROM THE FIELD CENTER OUTWARD TO ALLOW BIRDS TO ESCAPE TO ADJACENT HABITATS.</p> <p>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.</p> <p>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.</p> <p>4. FLUSHING BARS SHOULD BE MOUNTED ON HARVESTING EQUIPMENT TO MINIMIZE BIRD MORTALITY DURING MOWING OPERATIONS.</p> <p><b>GENERAL BREEDING BIRD PROTECTION MEASURES</b></p> <p>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 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).</p> <p><b>WILDLIFE HABITAT ENHANCEMENT MEASURES</b></p> <p>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.</p> <p>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/13.549.8000, 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.</p> <p>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/13.549.8000, 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.</p> <p><b>SCALE VERIFICATION</b></p> <p>THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING</p> <p>0 1"</p> <p>IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY</p> <p><b>ORIGINAL DRAWING SIZE IS 24 x 36</b></p> <p><b>NOTES</b></p> <p>FUSION SOLAR CENTER, LLC. POTASH HILL ROAD SPRAGUE, CT 06630</p> <p><b>DEPCOM POWER®</b></p> <p>DEPCOM POWER 9200 E PIMA CENTER PKWY, SUITE 180 SCOTTSDALE, AZ 85256</p> <p><b>PERMANENT STABILIZATION</b></p> <p>PROJECT NO. 20172893.001A ISSUE DATE 06/18/2018 CURRENT REVISION - DESIGNED BY KRV DRAWN BY KRV CHECKED BY AGB APPROVED BY AGB SHEET</p>	
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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 AREAS 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.

## LEGEND

300	EXISTING MAJOR CONTOUR (5')
301	EXISTING MINOR CONTOUR (1')
	EXISTING PROPERTY BOUNDARY
	EXISTING ROAD
	EXISTING TRAIL
	EXISTING STREAM
	EXISTING CHAIN LINK FENCE
SF	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

200 Corporate Place, Suite 310  
Rocky Hill, CT 06067  
Phone: 860-563-7775  
[www.kleinfelder.com](http://www.kleinfelder.com)

REVISIONS				
	DESCRIPTION	DSN	CHK	DATE
		DWN	APP	

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING

A horizontal line with a vertical tick mark at each end, labeled '0' on the left and '1"' on the right, representing a scale bar for drawing verification.

200  
CALE IN FEET  
SIZE IS 24 x 36

ENTER, L.L.C.  
L ROAD  
T 06630

OWER  
PKWY, SUITE 180  
AZ 85258

## ABILIZATION

# C-3

STREET 5 of 12

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

EXISTING 6' CHAIN LINK FENCE (TYP.)

EXISTING PROPERTY BOUNDARY

EXISTING DIVERSION DITCH TO BE FILLED, GRADED AND STABILIZED

PROPOSED DRY SWALE ST-1

CHAIN LINK FENCE TYPICAL

SEDIMENT TRAP TYPICAL

RIprap TYPICAL

ITROL BLANKET TYPICAL

PROPOSED SCOUR HOLE

PROPOSED EARTH BERM/ WATER BAR

PROPOSED DRY SWALE ST-2

FILTER FABRIC TYPICAL

PROPOSED EARTH BERM/ WATER BAR TYPICAL

OUTSIDE FENCE ONLY

MODIFY EXISTING SEDIMENT TRAP SEE NOTE 3, THIS SHEET

EROSION TRENCH TYPICAL

HABALES TYPICAL

PROPOSED EARTH BERM/ WATER BAR

PROPOSED DRY SWALE ST-3

PLACE EXCESS SOIL IN THIS AREA AND STABILIZE (TYP.)

PROPOSED EARTH BERM/ WATER BAR

MODIFY EXISTING SEDIMENT TRAP SEE NOTE 3, THIS SHEET

PROPOSED EARTH BERM/ WATER BAR

RIprap BERM TYPICAL

PROPOSED DRY SWALE ST-4

PROPOSED DIVERSION DITCH

EXISTING SOLAR PANELS

PROPOSED DRY SWALE ST-5 A

MODIFY EXISTING SEDIMENT TRAP SEE NOTE 3, THIS SHEET

EXISTING RIPRAP TO REMAIN

PROPOSED EARTH BERM/ WATER BAR OUTSIDE FENCE ONLY

EXISTING 6' CHAIN LINK FENCE (TYP.)

EXISTING SILT FENCE (TYP.)

EXISTING WOOD CHIP BERM (TYP.)

CHAIN LINK FENCE TYPICAL

SILT FENCE TYPICAL

PROPOSED DRY SWALE SB-1 (A)

PROPOSED DIVERSION DITCH

REBUILD BROAD BASED DIP WITH VELOCITY DISSIPATER TO ENSURE STORMWATER FLOWS ACROSS GRAVEL DRIVEWAY AS NEEDED OR DIRECTED (TYP.) QTY = 8 TOTAL

ELECTRIC CABINETS ON CONCRETE PADS TYPICAL

DIVERSION SOCK

DIVERSION TRENCH TYPICAL

ELECTRIC CABINETS ON CONCRETE PADS TYPICAL

DIVERSION SOCK

DIVERSION TRENCH TYPICAL

ELECTRIC CABINETS ON CONCRETE PADS TYPICAL

DIVERSION TRENCH TYPICAL

ELECTRIC CABINETS ON CONCRETE PADS TYPICAL

DIVERSION TRENCH TYPICAL

EXISTING SEDIMENT BASIN NO. 1 FOREBAY

DEBRIS/STUMPS/ROCKS

EXISTING STOCKPILE TO REMAIN

MODIFY EXISTING SEDIMENT BASIN CONVERT TO PROPOSED INFILTRATION BASIN

EXISTING SEDIMENT BASIN NO. 1

30°OPP INV=363.78

30°OPP INV=362.89

MODIFY EXISTING SEDIMENT TRAP SEE NOTE 3, THIS SHEET

EX ST-1

EX ST-2

EX ST-3

EX ST-4

EX ST-5

EX ST-6

EX SB-1

EX SB-2

EX SB-3

EX SB-4

EX SB-5

EX SB-6

EX SB-7

EX SB-8

EX SB-9

EX SB-10

EX SB-11

EX SB-12

EX SB-13

EX SB-14

EX SB-15

EX SB-16

VERNAL POOL #1

VERNAL POOL #2

VERNAL POOL #3

VERNAL POOL #4

VERNAL POOL #5

VERNAL POOL #6

DELINEATION LINE BETWEEN TWO SURVEY FILES SEE NOTE 1

PROPOSED DRY SWALE DS-22 GRADE TO DRAIN TO APRON

PROPOSED RIP RAP APRON

PROPOSED DRY SWALE

PROPOSED PERMANENT DIVERSION DITCH

EXISTING RIPRAP TO REMAIN

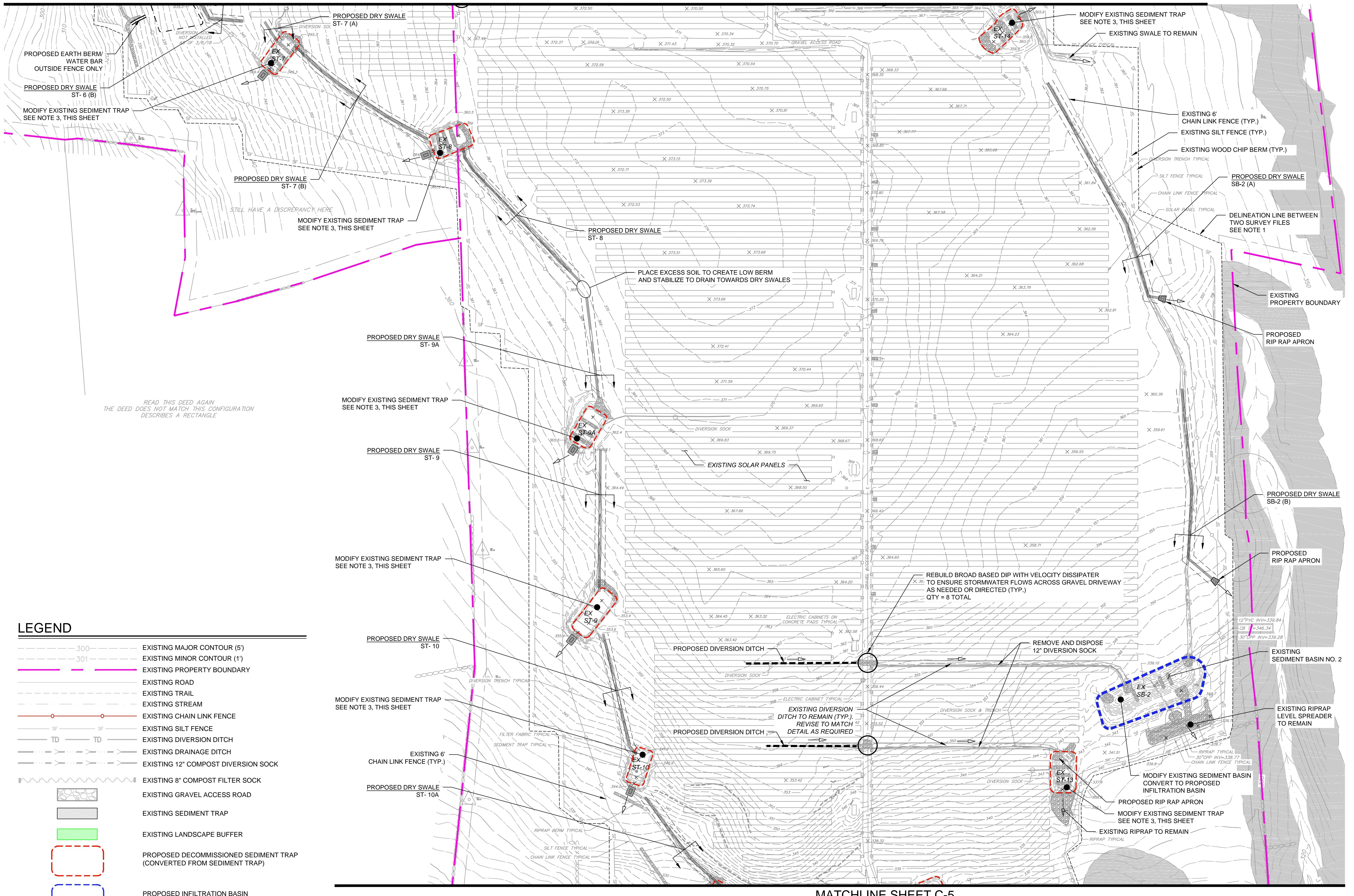
# MATCHLINE SHEET C-4

WWW.KLEINFELDER.COM

Suite 310  
6067  
-7775

.com

## MATCHLINE SHEET C-3

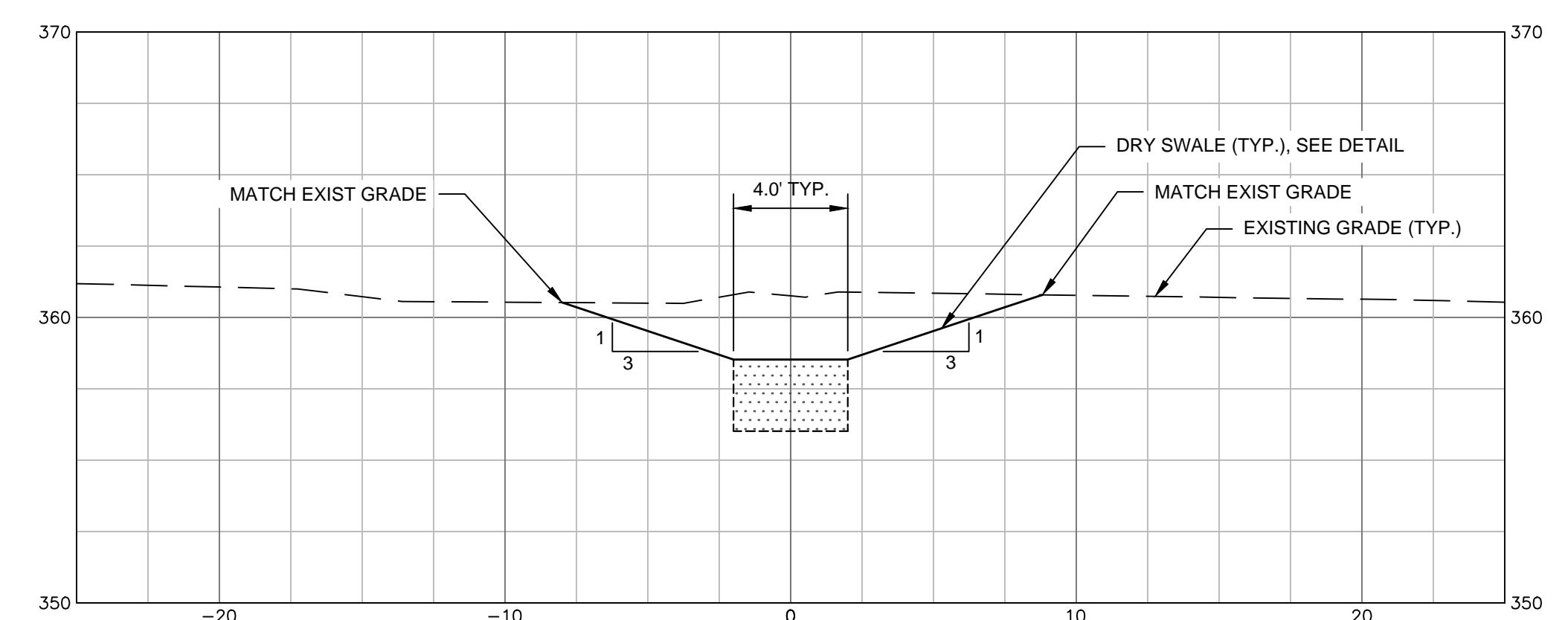


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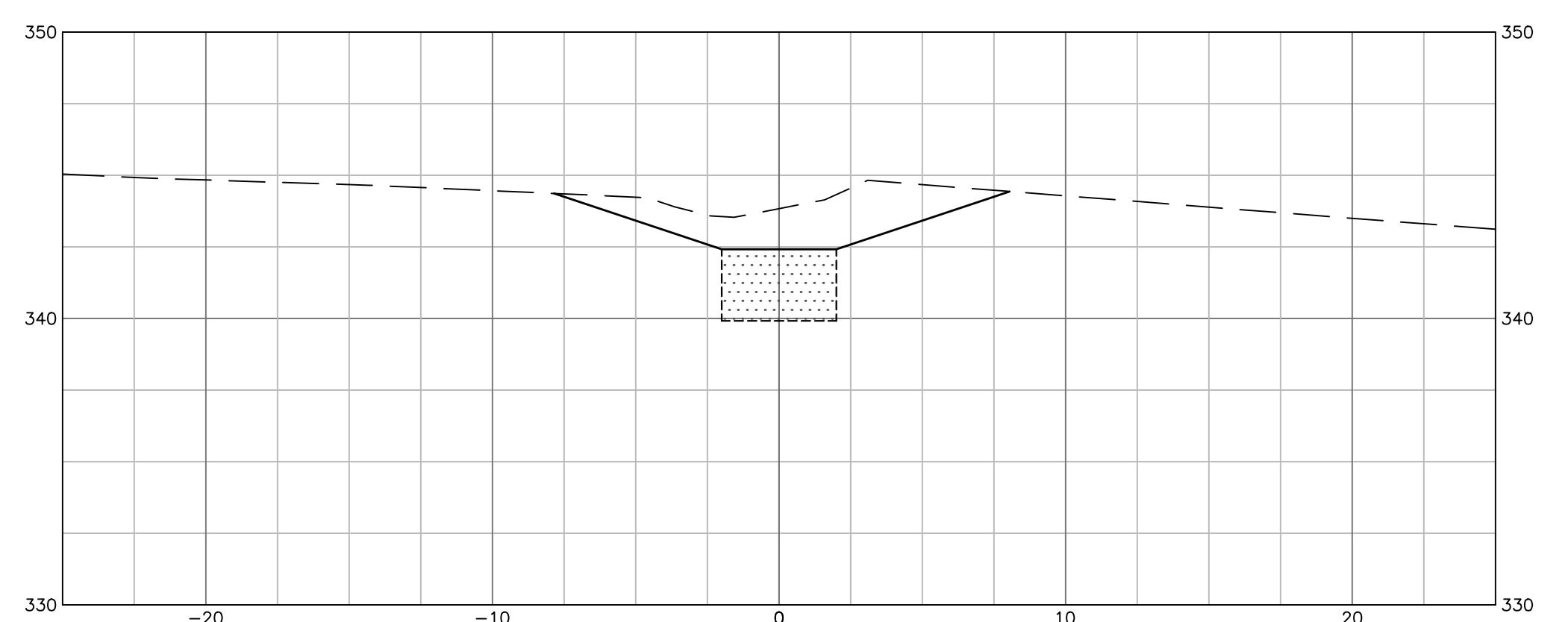
JECT NO. 20172893.001A		C-4
UE DATE	06/18/2018	
RENT REVISION	-	
IGNED BY	KRV	
WN BY	KRV	
CKED BY	AGB	
ROVED BY	AGB	
SHEET		4 of

**C-4**

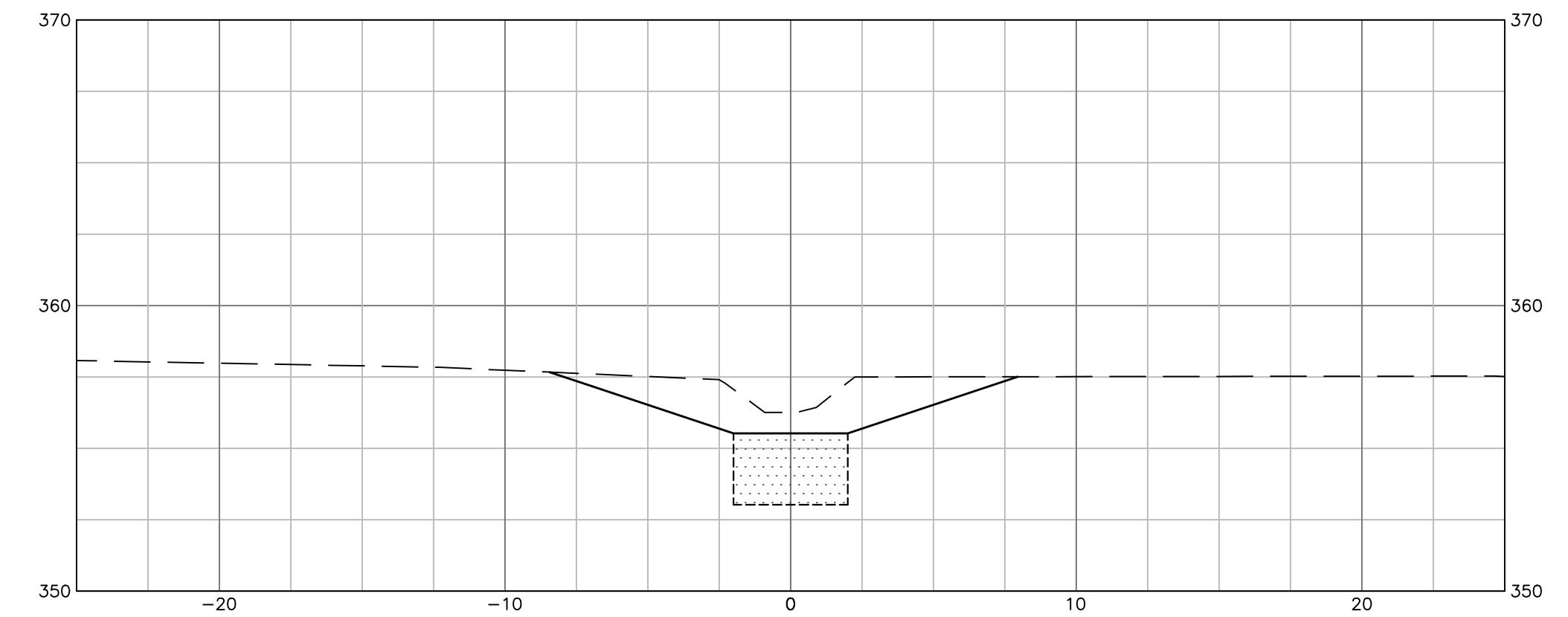




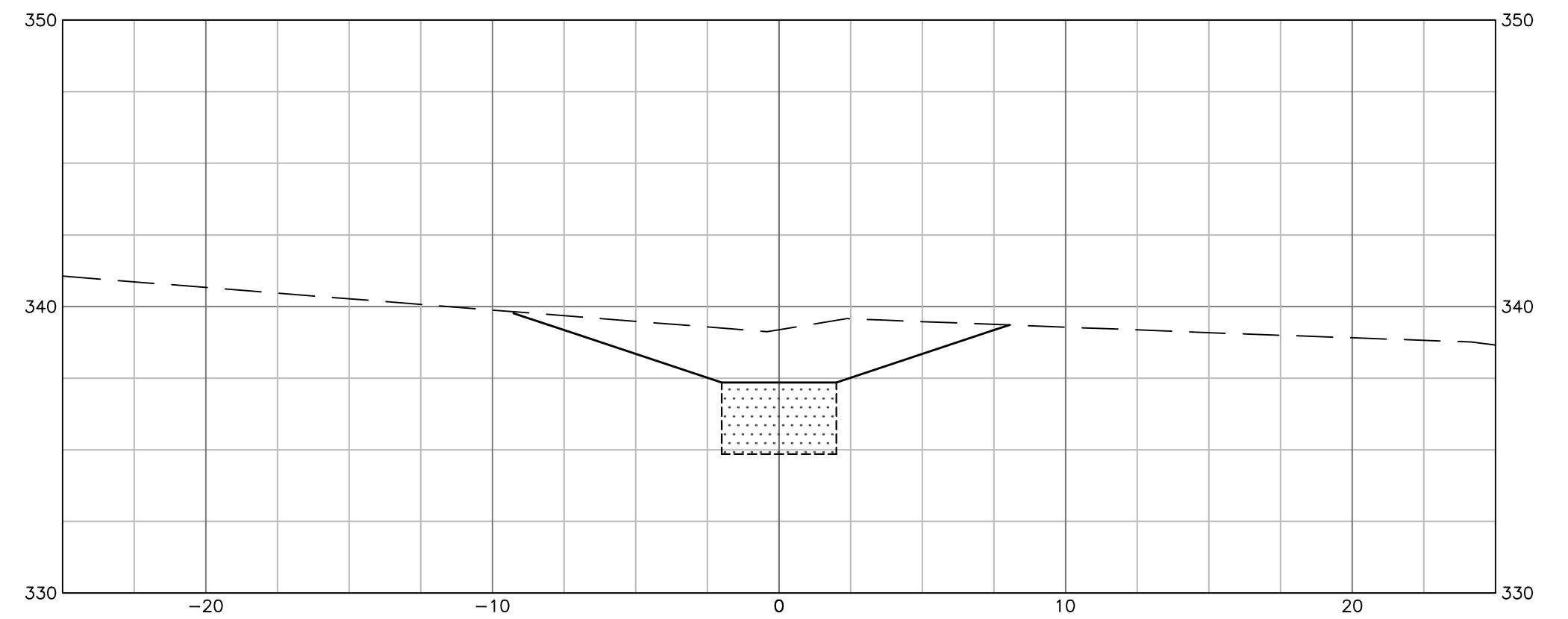
**ST-1**  
DRY SWALE



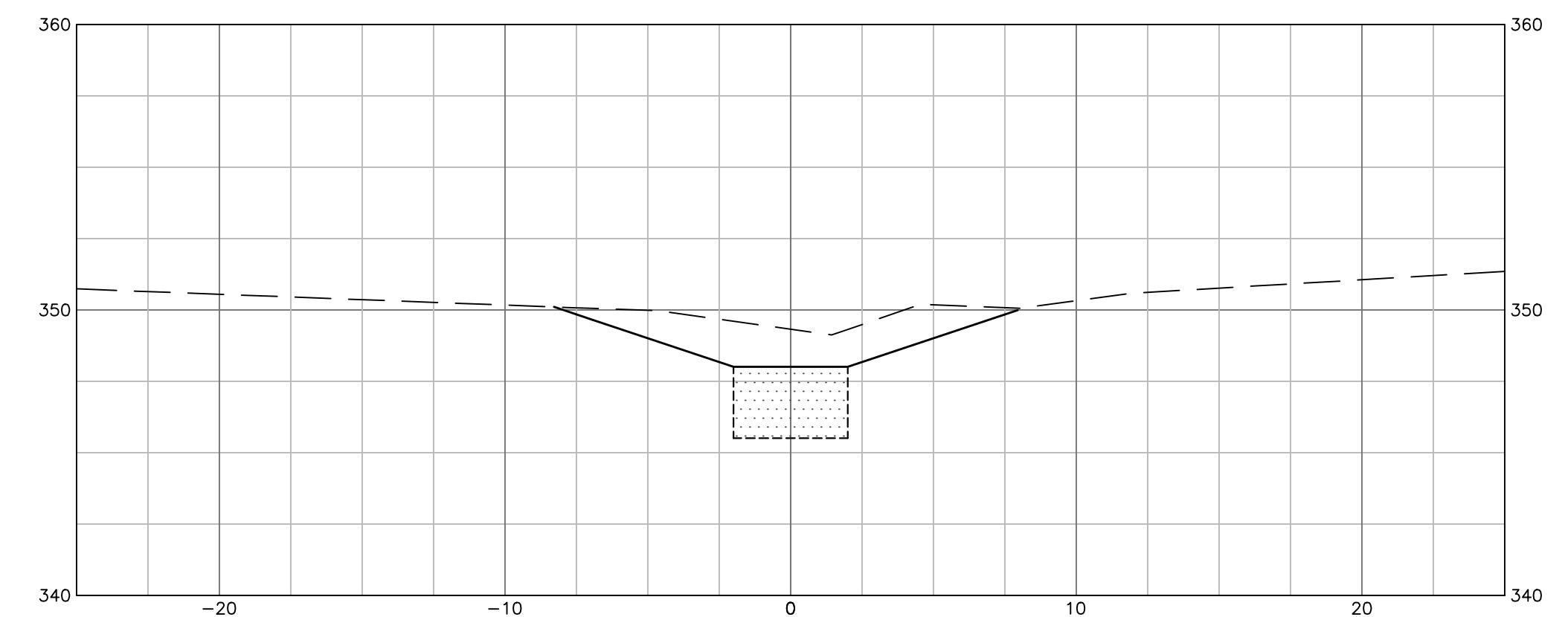
**ST-4**  
DRY SWALE



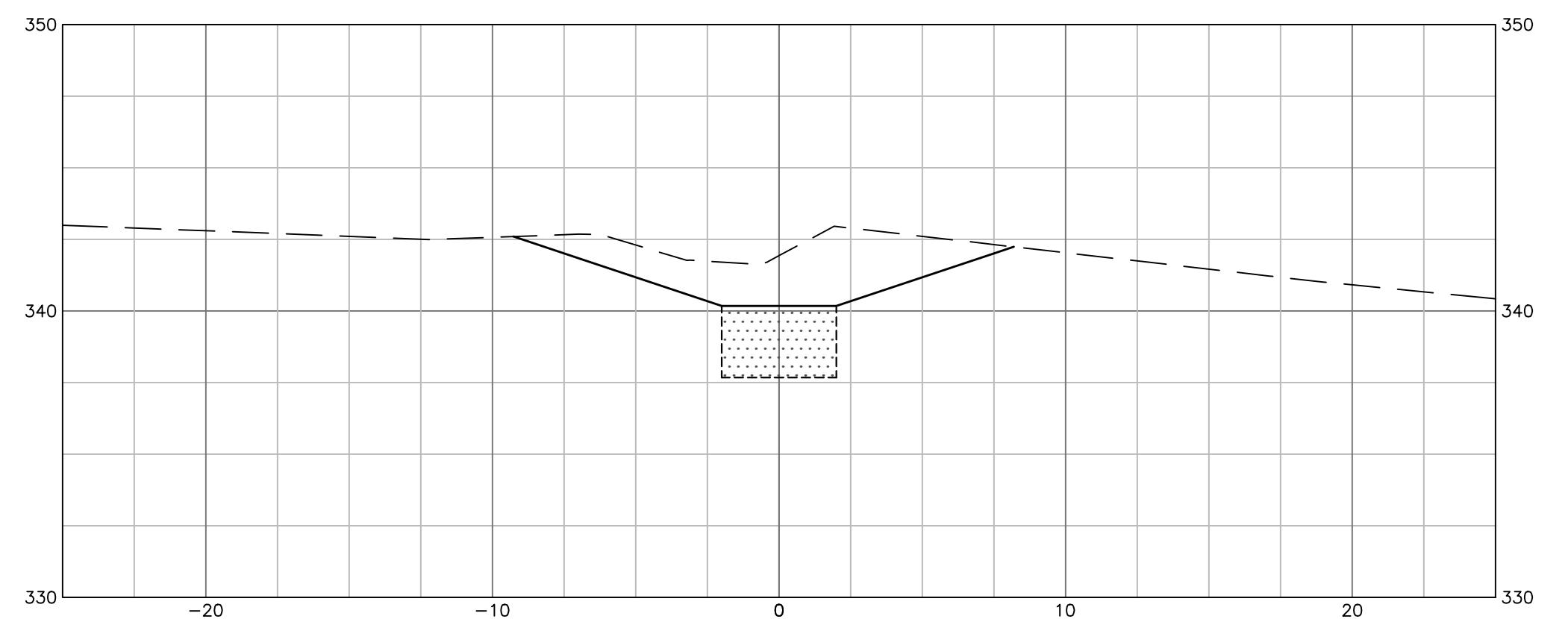
**ST-2**  
DRY SWALE



**ST-5**  
DRY SWALE



**ST-3**  
DRY SWALE



**ST-6 (A)**  
DRY SWALE

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**

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

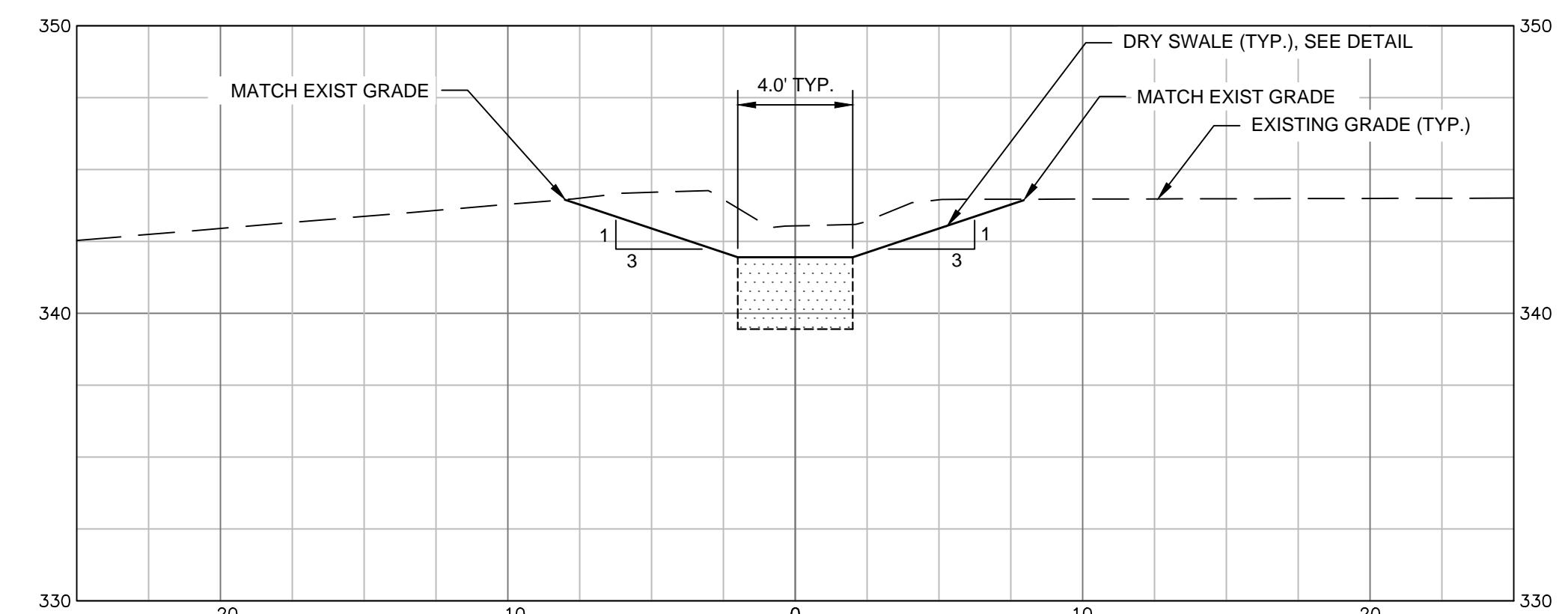


DEPCOM POWER  
9200 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85256

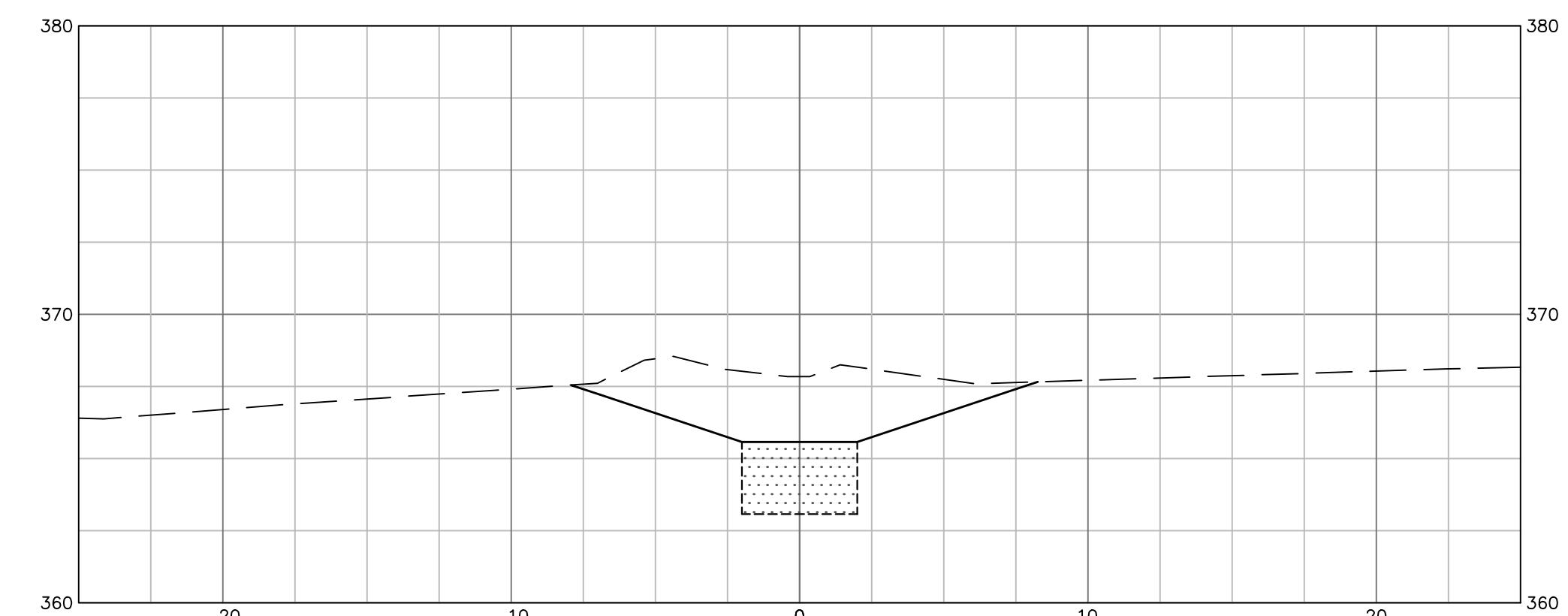
**PERMANENT STABILIZATION**

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

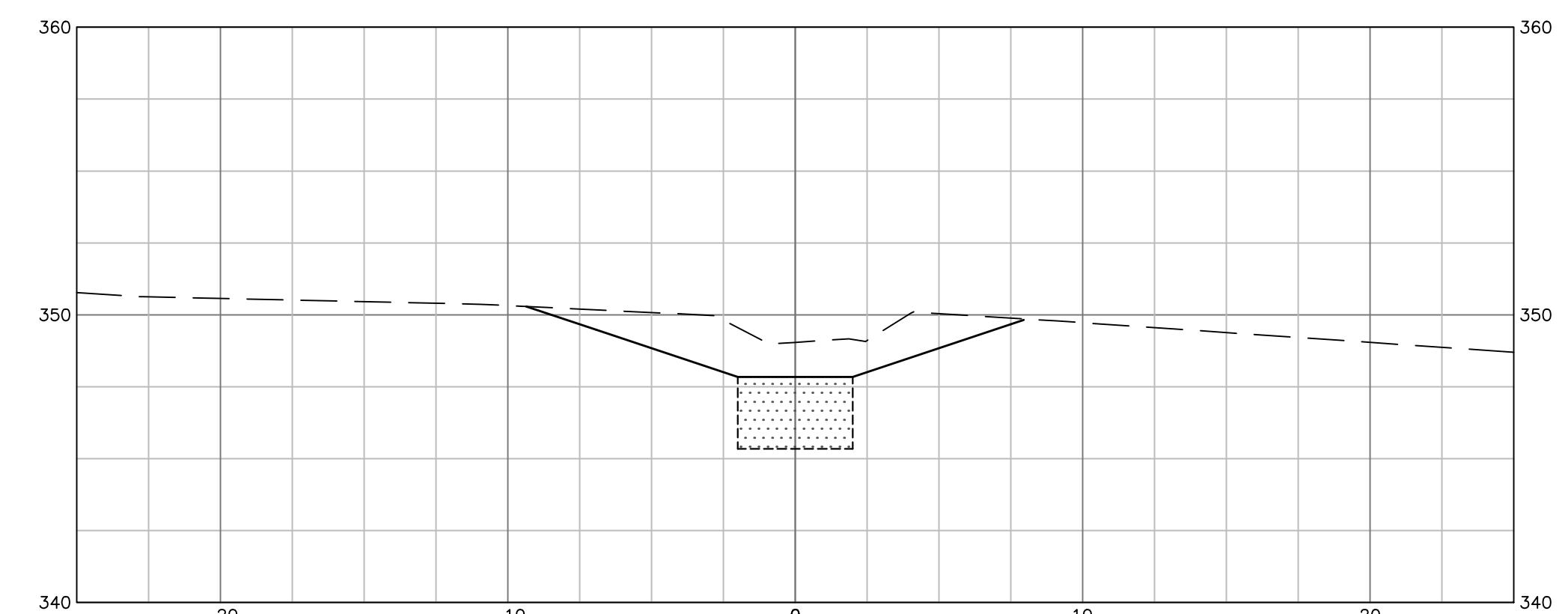
**C-6**



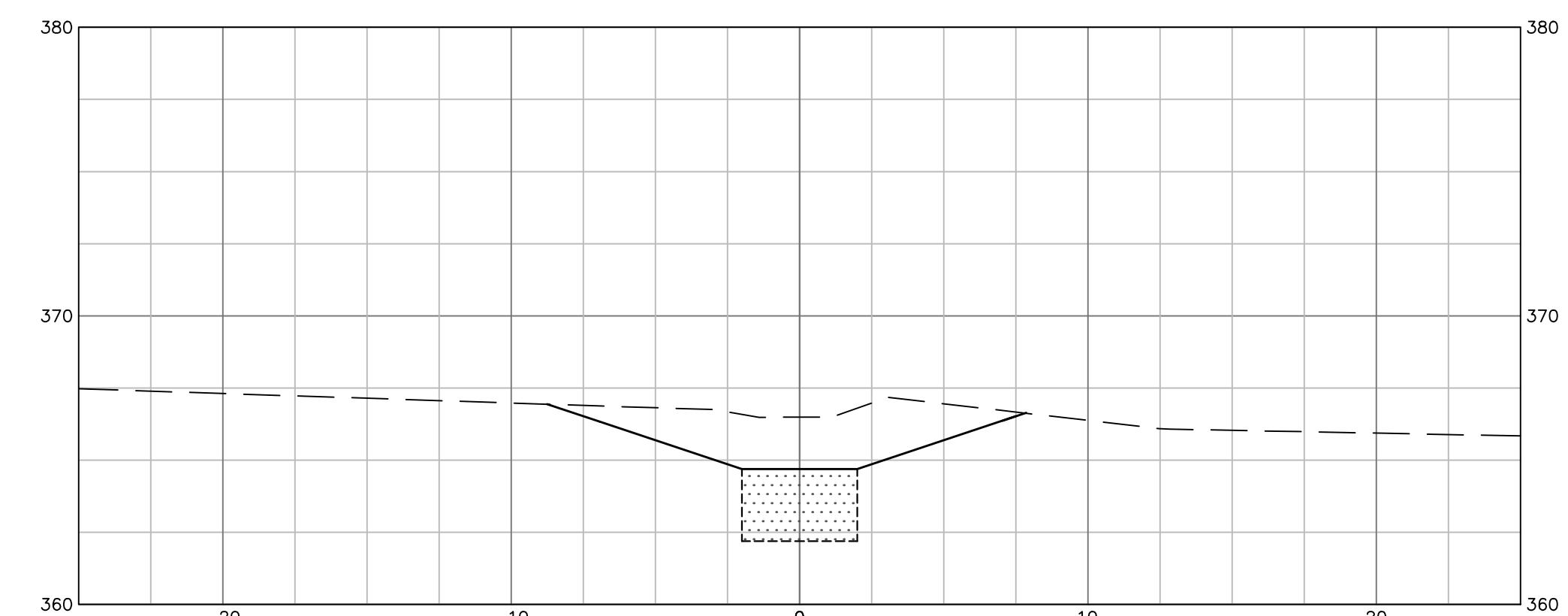
**ST-6 (B)**  
DRY SWALE



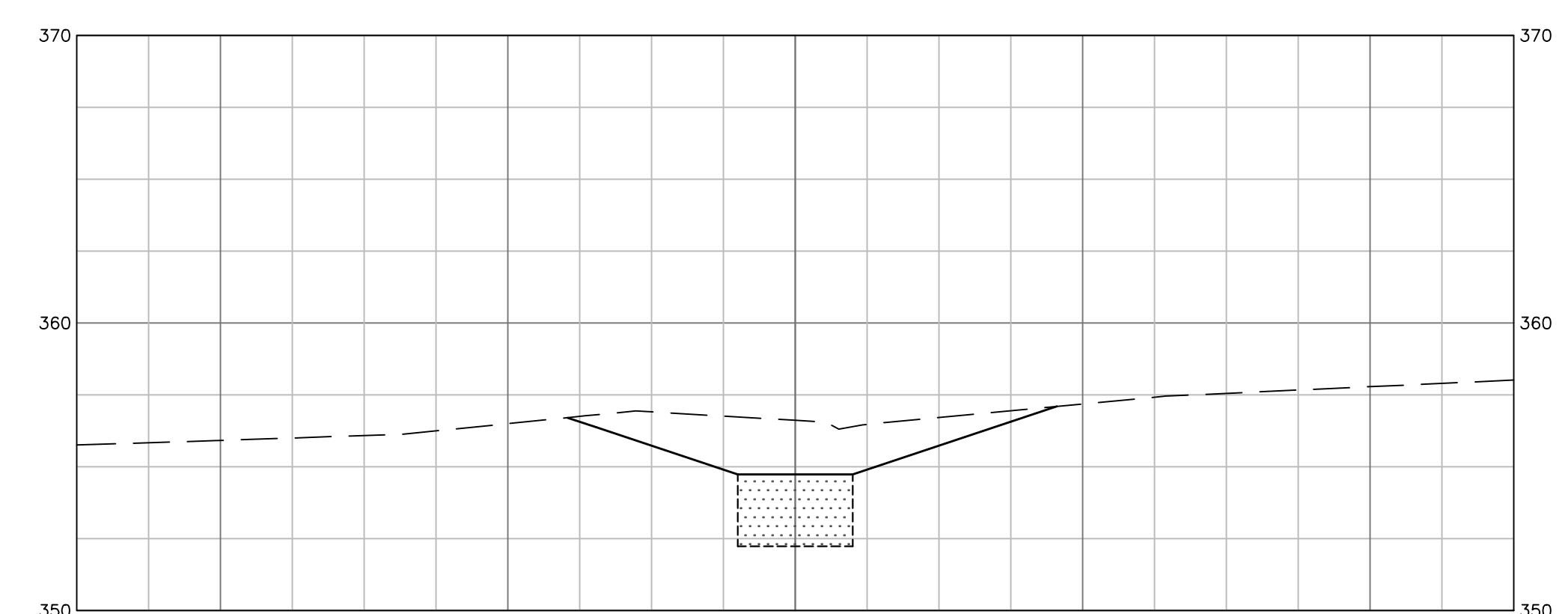
**ST-8**  
DRY SWALE



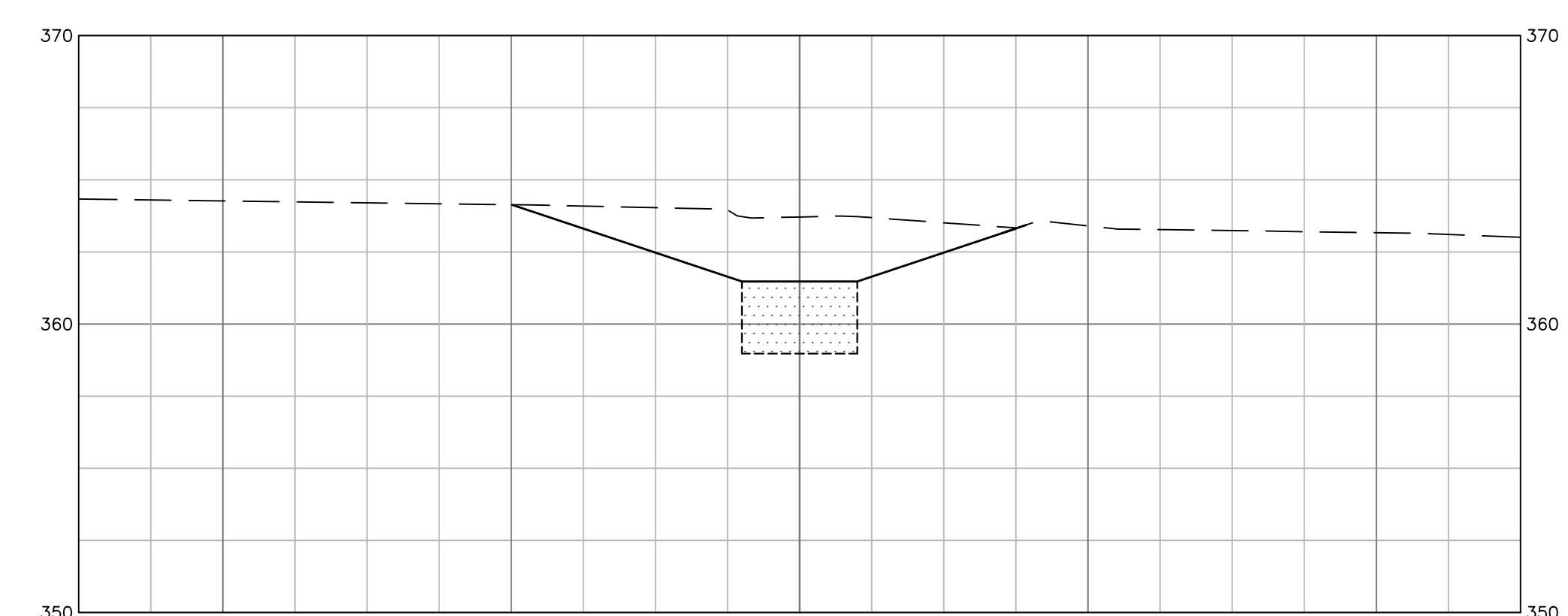
**ST-7 (A)**  
DRY SWALE



**ST-9A**  
DRY SWALE



**ST-7 (B)**  
DRY SWALE



**ST-9**  
DRY SWALE

SCALE VERIFICATION  
THIS BAR IS 1 INCH IN LENGTH  
ON ORIGINAL DRAWING  
0 1"

0 5 10  
SCALE: 1" = 5' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 24 x 36

**DRY SWALE TYPICAL SECTIONS**

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

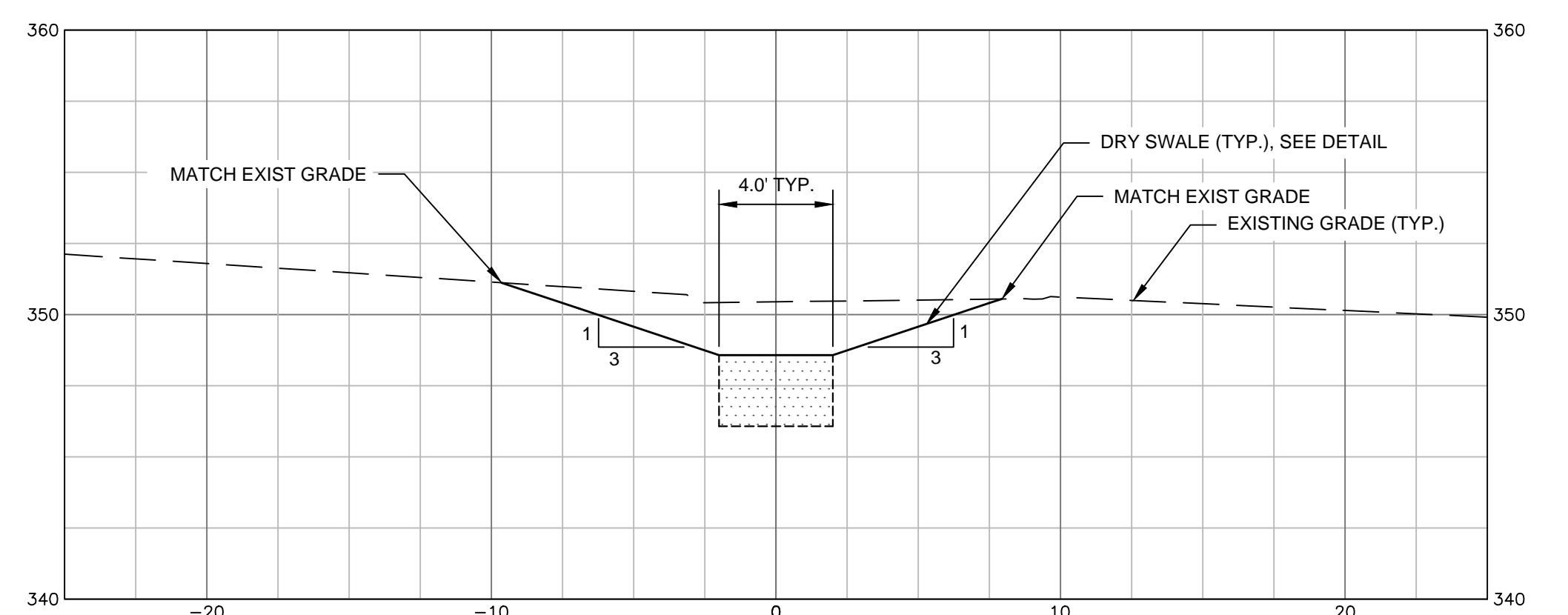


DEPCOM POWER  
9200 E PIMA CENTER PKWY, SUITE 180  
SCOTTSDALE, AZ 85256

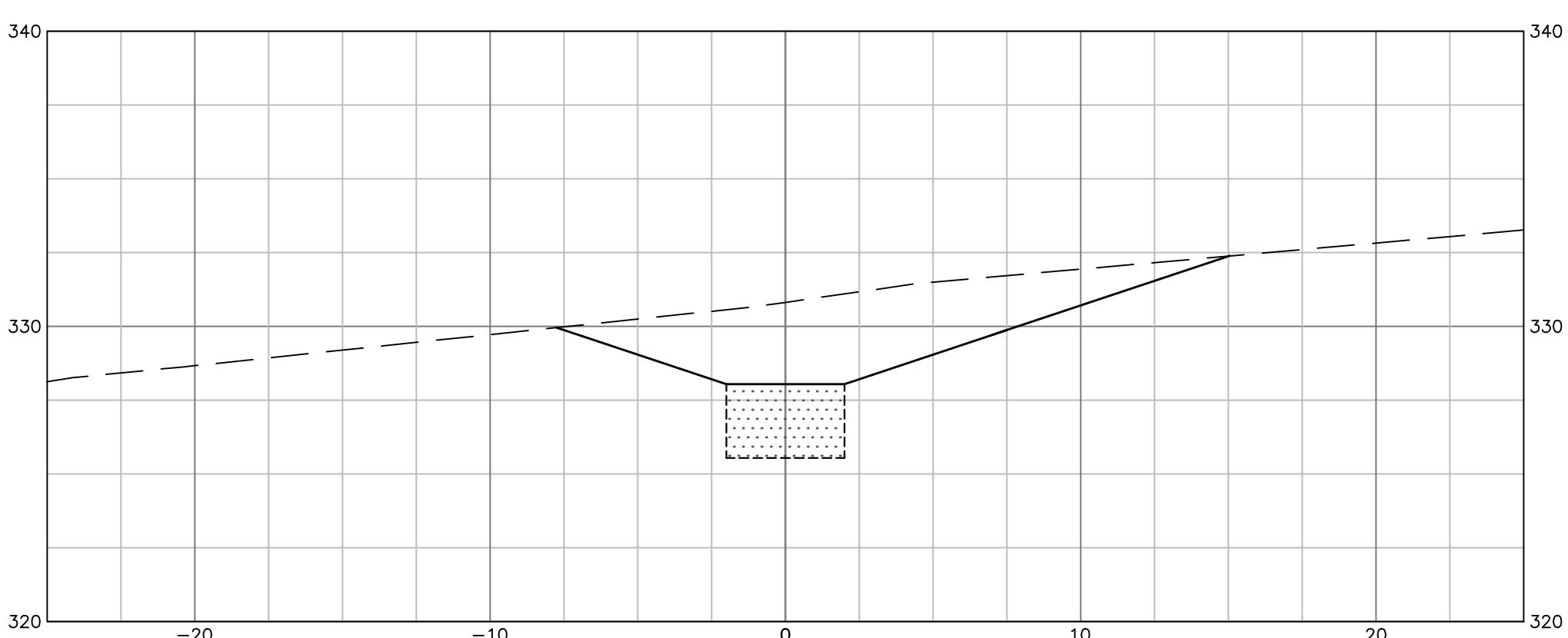
**PERMANENT STABILIZATION**

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

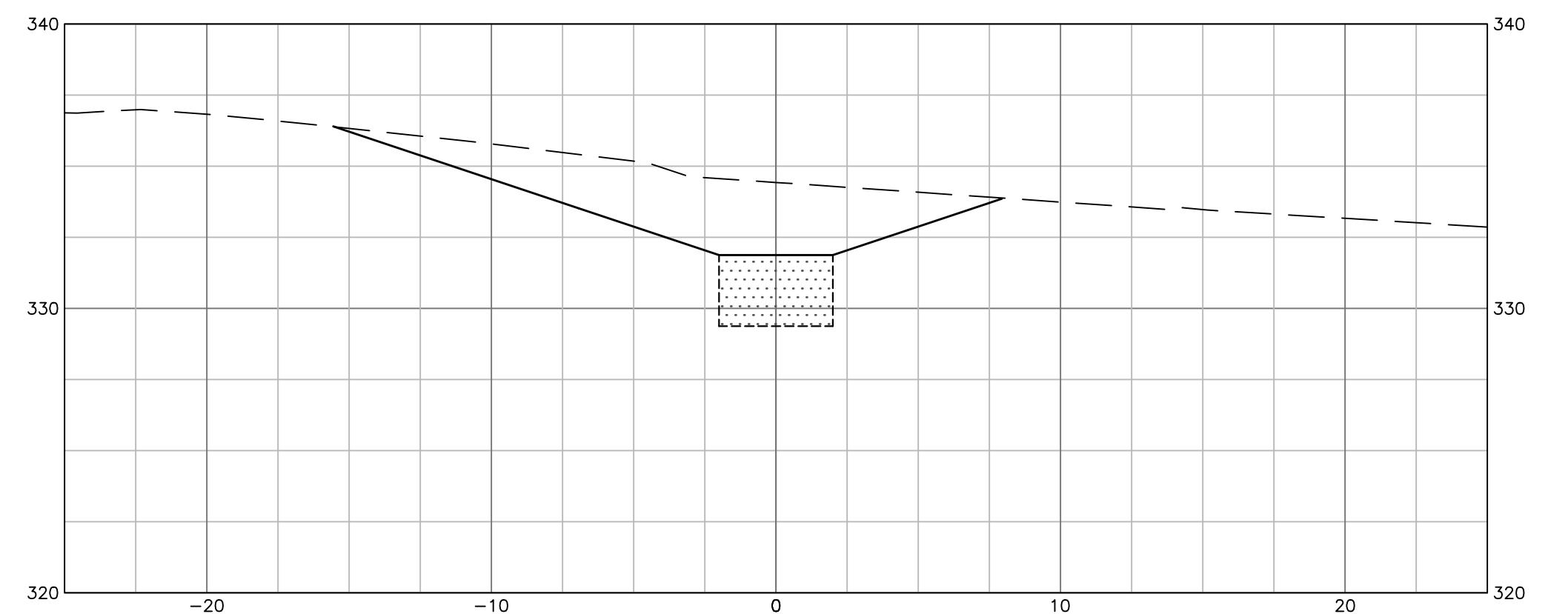
C-7



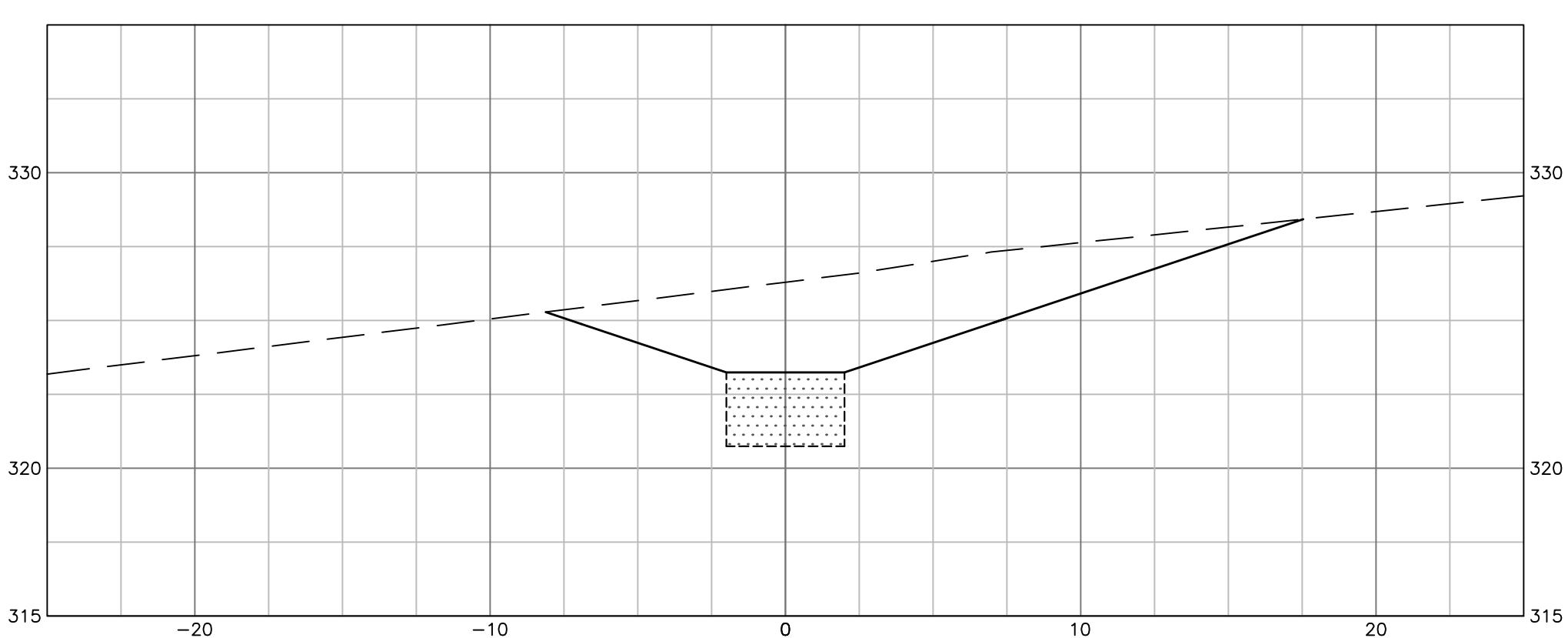
# ST-10 DRY SWALE



# ST-10B (B) DRY SWALE



## ST-10A DRY SWALE

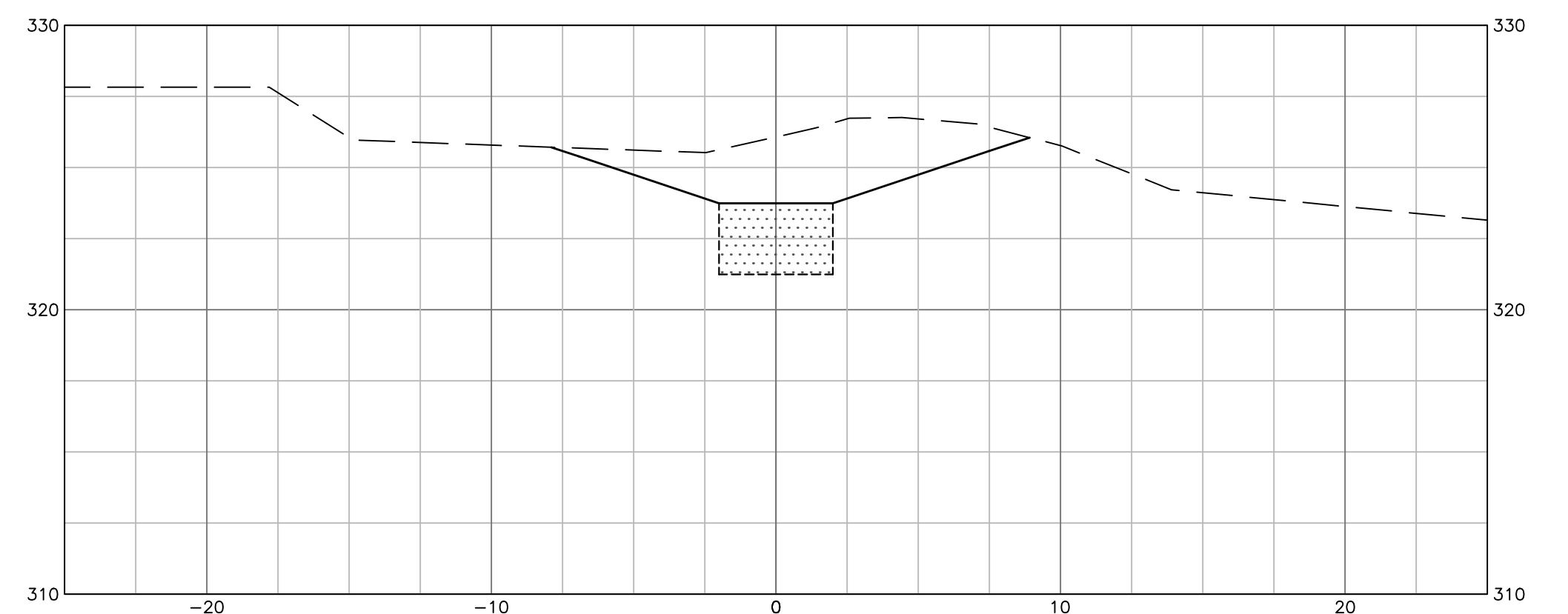


# ST-10B (C) DRY SWALE

CAD FILE: C:\pwworking\kleinfelder\_kblack\01kleinfelder\01SectionDesign.dwg LAYOUT: C-8 PLOTTED: 6/15/2018 4:50 PM BY: ken black

LAYOUT: C-8

LOTTED: 6/15/2018 4:50 PM BY: ken black



## ST-10B (A) DRY SWALE

C-8

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

DEPCOM POWER  
9200 E PIMA CENTER PKWY, SUITE 180

SCOTTSDALE, AZ 85258

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## PERMANENT STABILIZATION

CT NO. 20172893.001A

DATE 06/18/2018  
ENT REVISION -

ENDED BY KRV

BY KRV

ED BY AGB SHEET 8 of

EEET 8-01





## CONSTRUCTION SEQUENCE:

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.

## ROUTINE MAINTENANCE

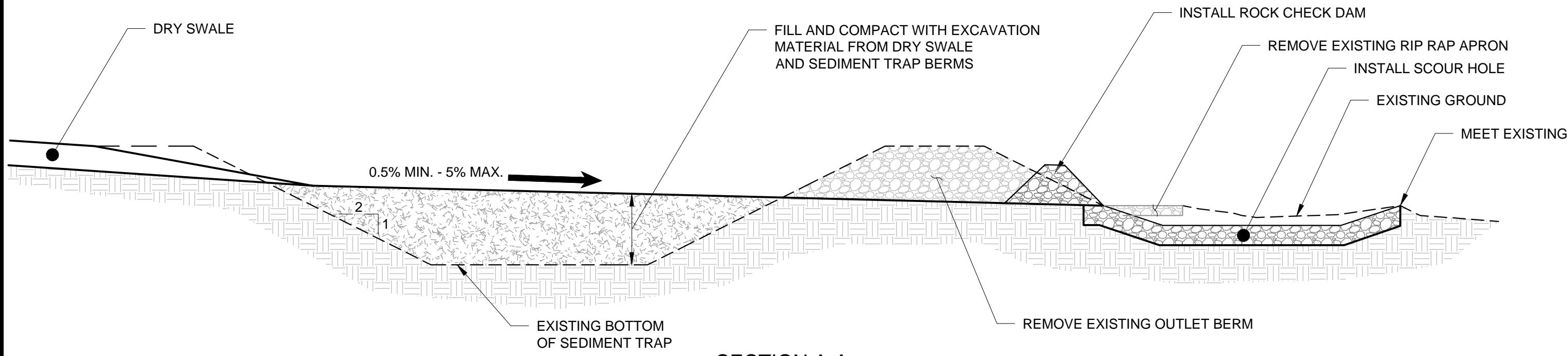
- 1. INSPECTIONS:** PERIODIC SCHEDULED INSPECTIONS WITH A SPECIFIED CHECKLIST, AND INSPECTIONS AFTER MAJOR RAINFALL EVENTS, TO CHECK FOR OBSTRUCTIONS/DAMAGE & TO REMOVE DEBRIS/ TRASH.
  - 2. VEGETATION MANAGEMENT:** MOWING ON A REGULAR BASIS TO PREVENT EROSION OR AESTHETIC PROBLEMS. LIMITED USE OF FERTILIZERS 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.

## NOTES:

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

## PLAN VIEW

SEDIMENT TRAP EMBANKMENT MATERIAL MAY BE USED TO REFILL TRAP AS NEEDED. RETAIN AND RESHAPE AS NEEDED TO MAINTAIN TOP ELEVATION AT 18-INCHES ABOVE MIDDLE OF ROCK CHECK DAM ELEVATION.

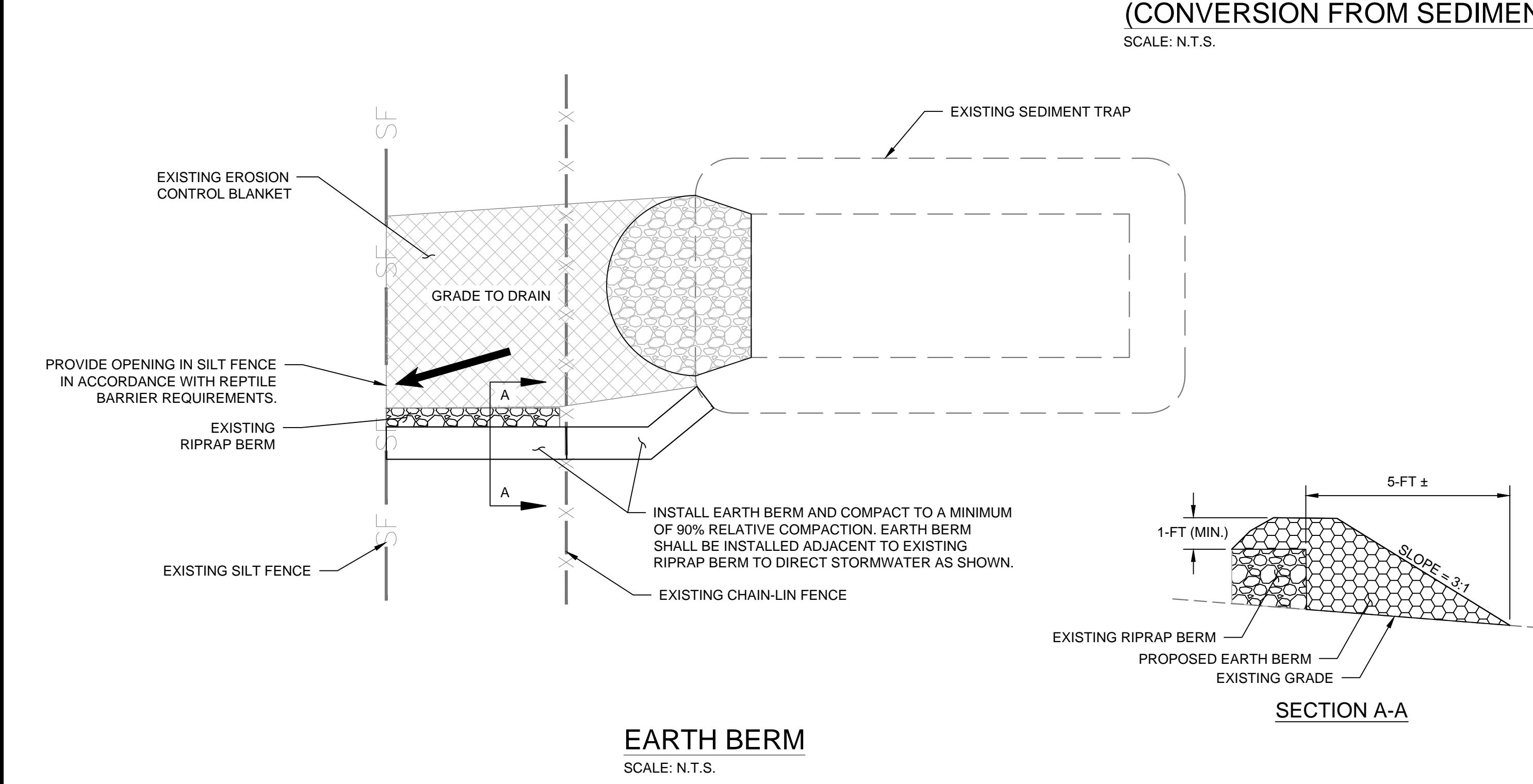


## SECTION A

# DECOMMISSIONED SEDIMENT TRAP (CONVERSION FROM SEDIMENT TRAP)

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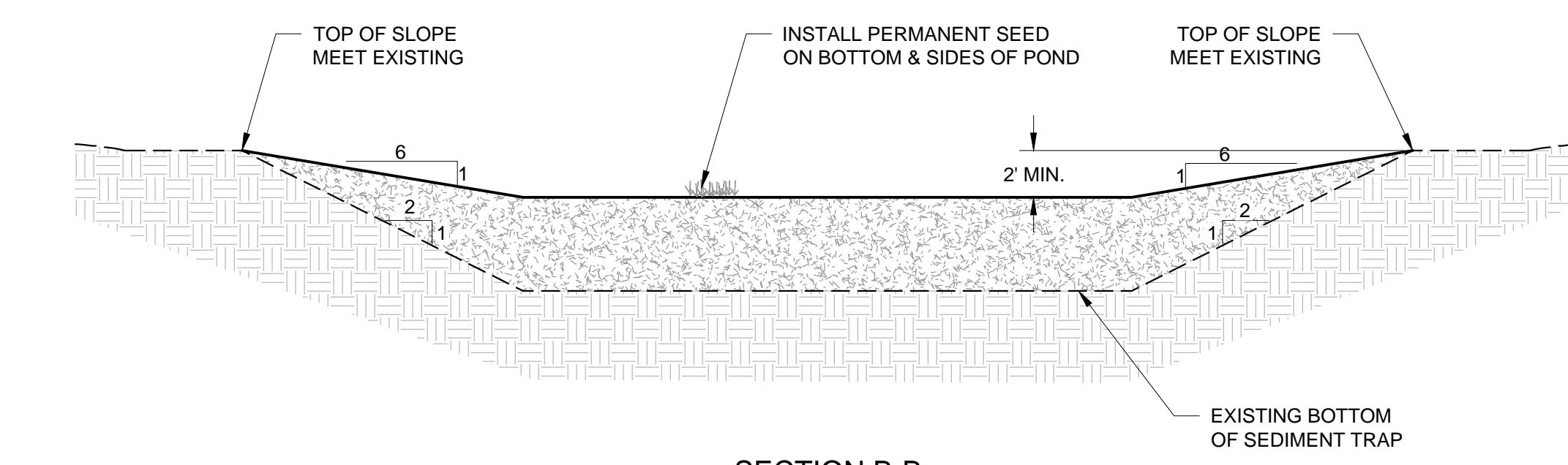
**SCALE:**



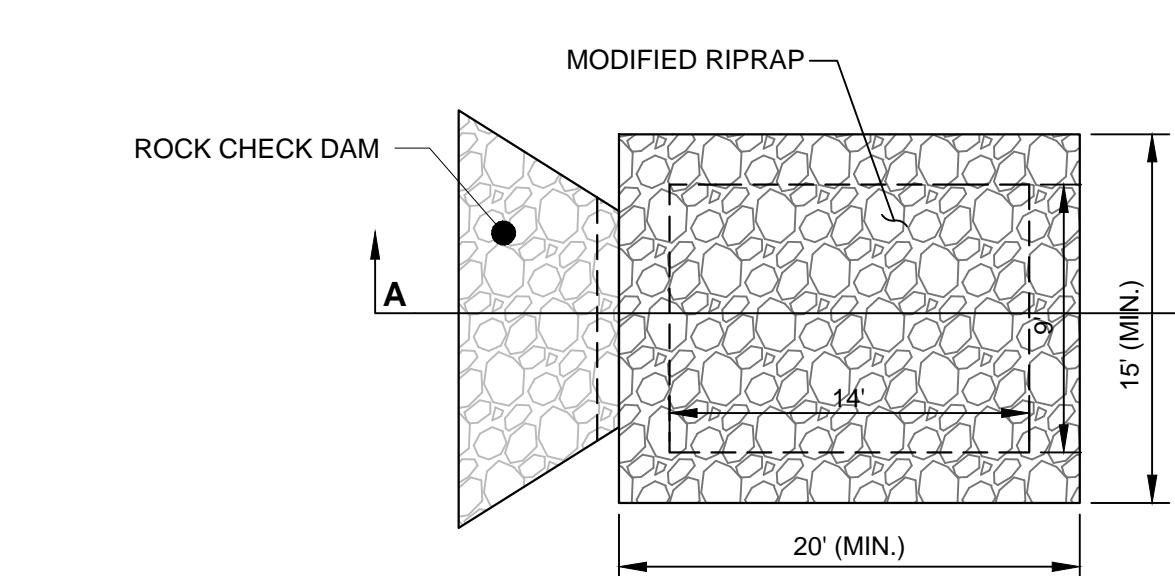
## EARTH BERM

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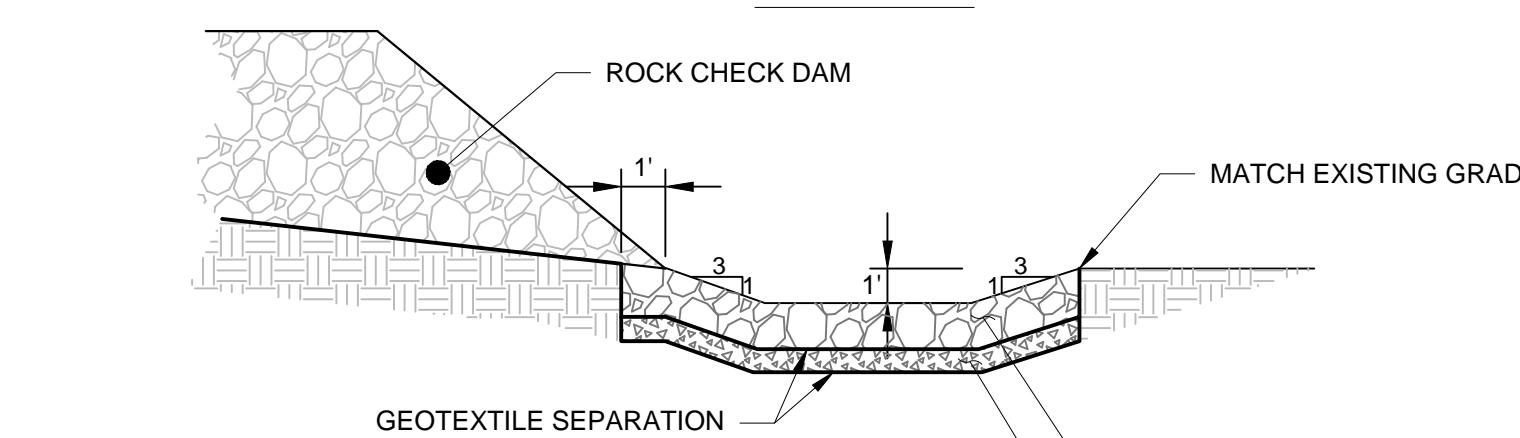
**SCALE:**



## SECTION B-I



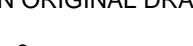
PLANVIEW



## SECTION

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

ORIGINAL DRAWING SIZE IS 24" x 36"

# DETAILS

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The logo for DEPCOM, featuring a stylized blue 'D' composed of a grid of smaller squares, followed by the text 'DEPCOM' in a bold, blue, sans-serif font, with 'POWER.' in a slightly smaller font size below it.

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

## PERMANENT STABILIZATION

C<sub>i</sub>=10

