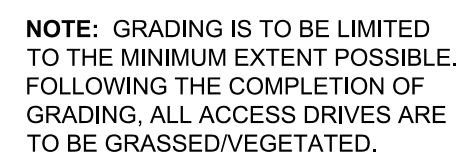


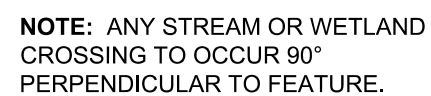
① TYPICAL ACCESS ROAD CROSS SECTION  
N.T.S.



2 TYPICAL SOLAR SITE GRASSED ACCESS CORRIDOR CROSS SECTION  
N.T.S.



3 TYPICAL PIPE TRENCH DETAIL  
N.T.S.



### PLAN VIEW

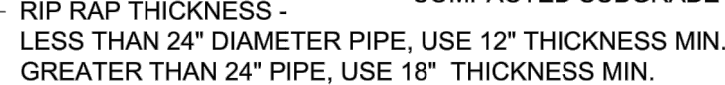


SECTION B-B'

CULVERT NOTES:

1. ALL BACKFILL SHALL BE COMPACTED TO 95% STD. PROCTER.
2. CULVERT SIZE: THE CROSS SECTIONAL AREA OF THE CULVERT PIPE SHALL BE THE LARGEST PIPE DIAMETER EQUAL TO THE UNDISTURBED CROSS SECTIONAL AREA OF THE BED AT FULL CONDITION OF THE STREAM. IT SHOULD FIT IN THE EXISTING CHANNEL OF THE WATERWAY CHANNEL OR MAJOR APPROACH FILLS. IF A CHANNEL WIDTH EXCEEDS 3 FEET, ADDITIONAL PIPES MAY BE USED UNTIL THE CROSS SECTIONAL AREA OF THE PIPES APPROACHES THE EXISTING CHANNEL. THE MINIMUM CULVERT SIZE SHALL BE AN 18" DIAMETER PIPE.
3. TEMPORARY INLET AND OUTLET PROTECTION SHALL BE INSTALLED AS DETAILED
4. MULTIPLE PIPE INLETS:
  - 4.A. CULVERT LENGTH: THE CULVERTS SHALL EXTEND TO THE UPSTREAM AND DOWNSTREAM TOE OF SLOPE.
  - 4.B. MULTIPLE CULVERTS SHALL BE SET SO THEY HAVE A MINIMUM OF 12" SEPARATION FROM OUTSIDE PIPE TO OUTSIDE PIPE.
  - 4.C. THE INVERT ELEVATIONS OF THE CULVERT SHALL BE INSTALLED AT OR BELOW THE NATURAL STREAMBED GRADE TO MINIMIZE INTERFERENCE WITH FISH MIGRATION.
  - 4.D. THE CULVERT SHALL BE COVERED WITH A MINIMUM OF TWO FEET AGGREGATE.

4 CULVERT DETAIL  
N.T.S.



SECTION A-A'



5 END SECTION DETAIL  
N.T.S.

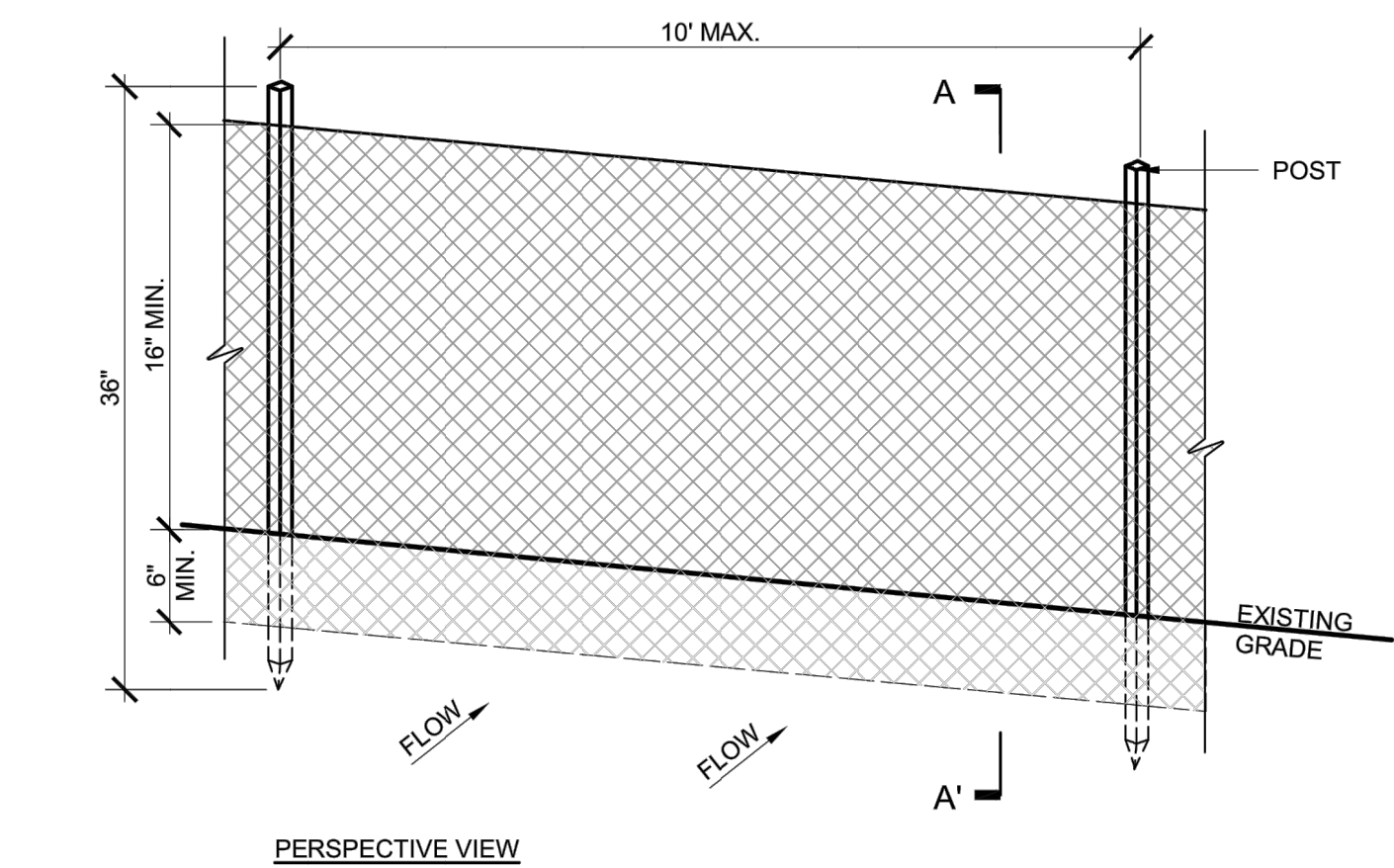
CONCEPTUAL - NOT FOR CONSTRUCTION



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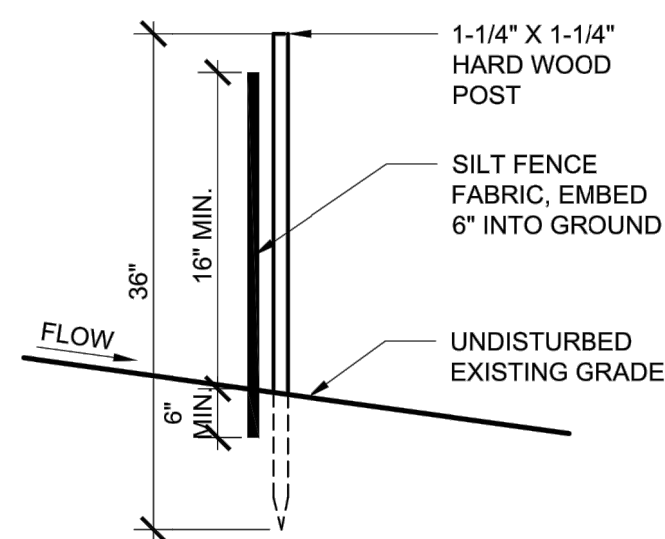
ENGINEERING RECORD	DATE	<div style="text-align: center;"> <h1>MOHAWK SOLAR PROJECT</h1> <h2>TYPICAL CIVIL DETAILS</h2> </div>			
DRAWN: M. UELMEN	4/17/19				
DESIGNED: M. UELMEN	4/17/19				
CHECKED: K. WOOD	4/17/19				
APPROVED: J. HICKS	4/17/19				
CADFILE: MHS-C-110-01	SCALE: AS NOTED	DWG.NO. <b>MHS-C-110-01</b>	SHEET 1 OF 4	REV	



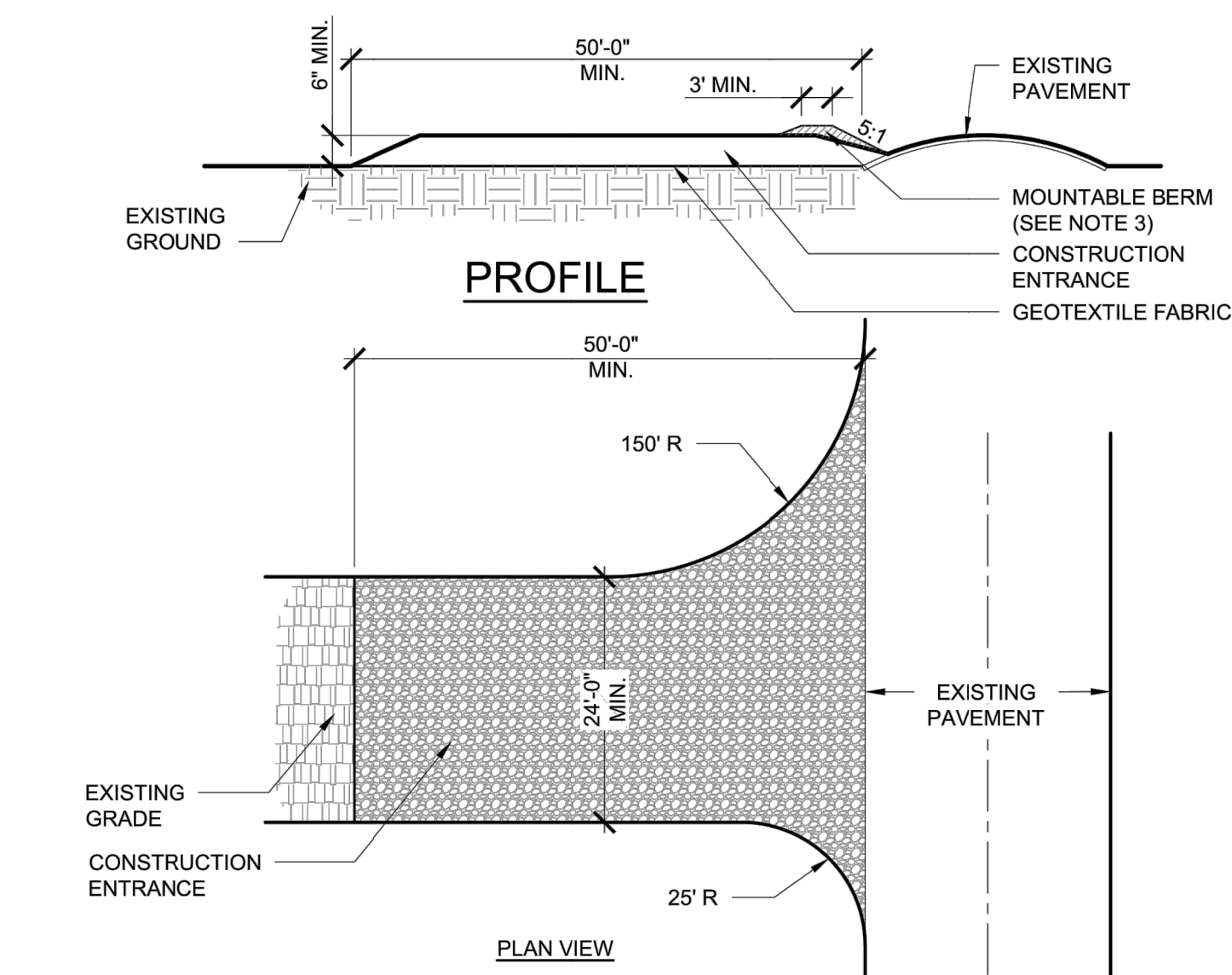
NOTES:

1. SILT FENCE SHALL BE PREFABRICATED UNITS PRODUCED BY TENCATE MIRAFL, EAST COAST NETTING, ACF ENVIRONMENTAL, OR EQUAL.
2. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM 6\"/>
3. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM SILT FENCING WHEN IT HAS REACHED 1/3 THE HEIGHT OF THE FENCE, OR WHEN BULGES DEVELOP.
4. SILT FENCE SHALL BE INSPECTED REGULARLY AND MAINTAINED IN WORKING ORDER FOR THE DURATION OF CONSTRUCTION.

SECTION A-A'



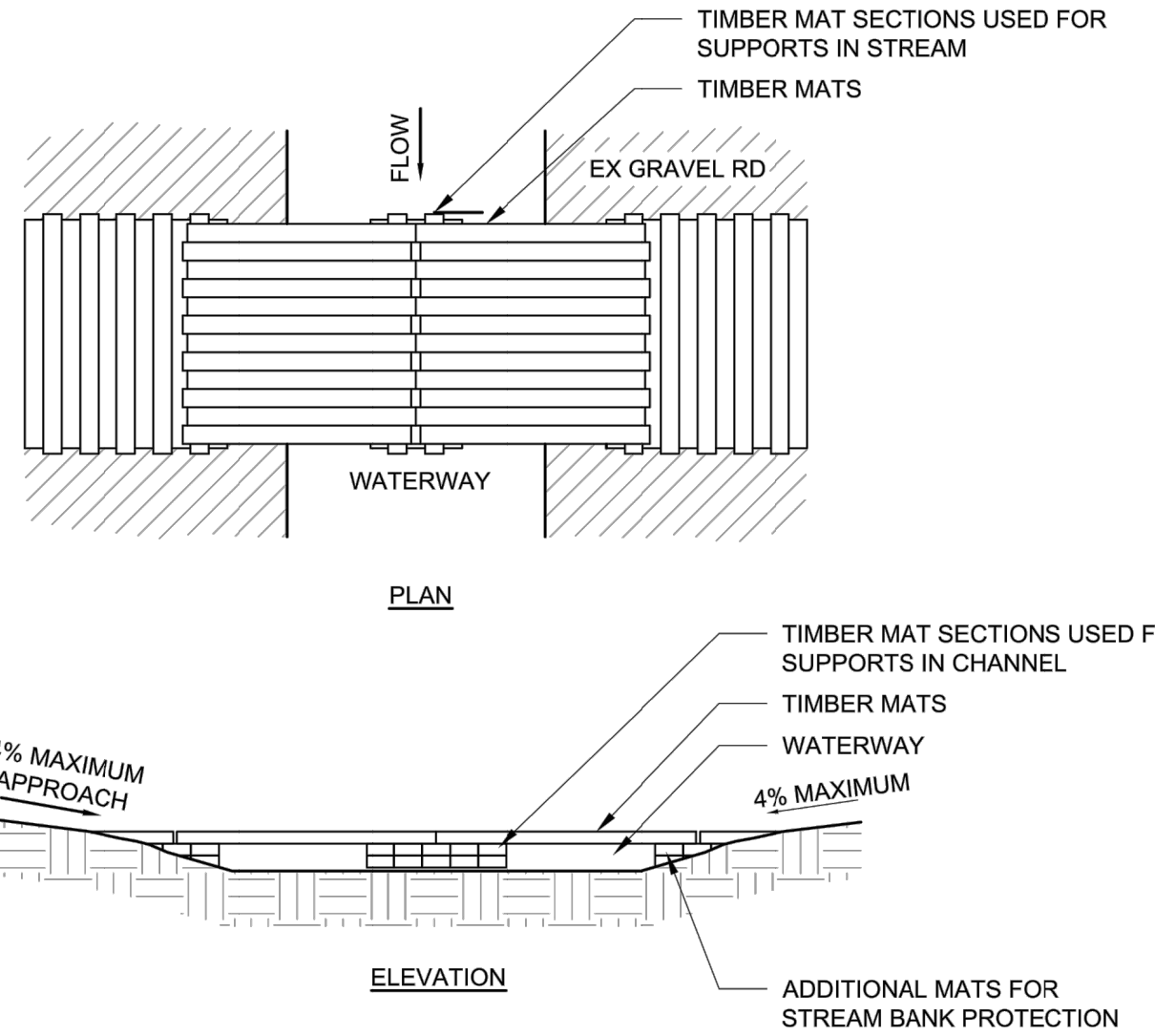
6 SILT FENCE DETAIL  
N.T.S.



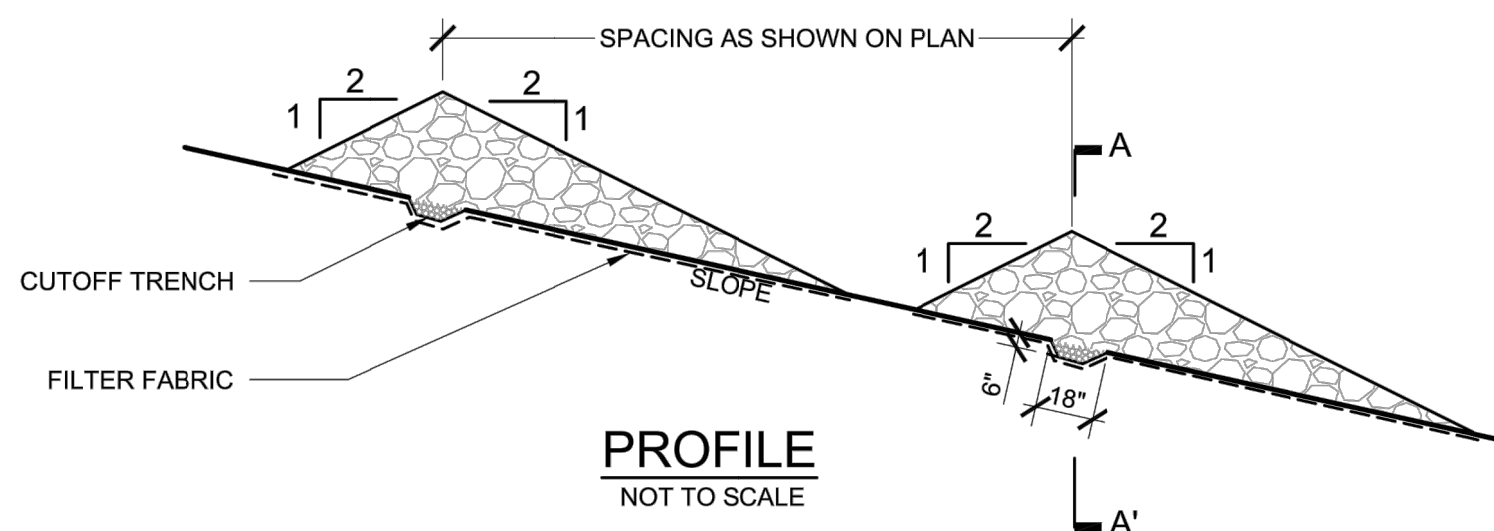
INSTALLATION NOTES

1. CONSTRUCTION ENTRANCE STONE SIZE - USE 3\"/>
2. GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
4. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
5. IF THE STABILIZED ENTRANCE IS NO ADEQUATE TO REMOVE SEDIMENT FROM THE WHEELS OF THE CONSTRUCTION VEHICLES, WASHING IS REQUIRED BY THE OWNER. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

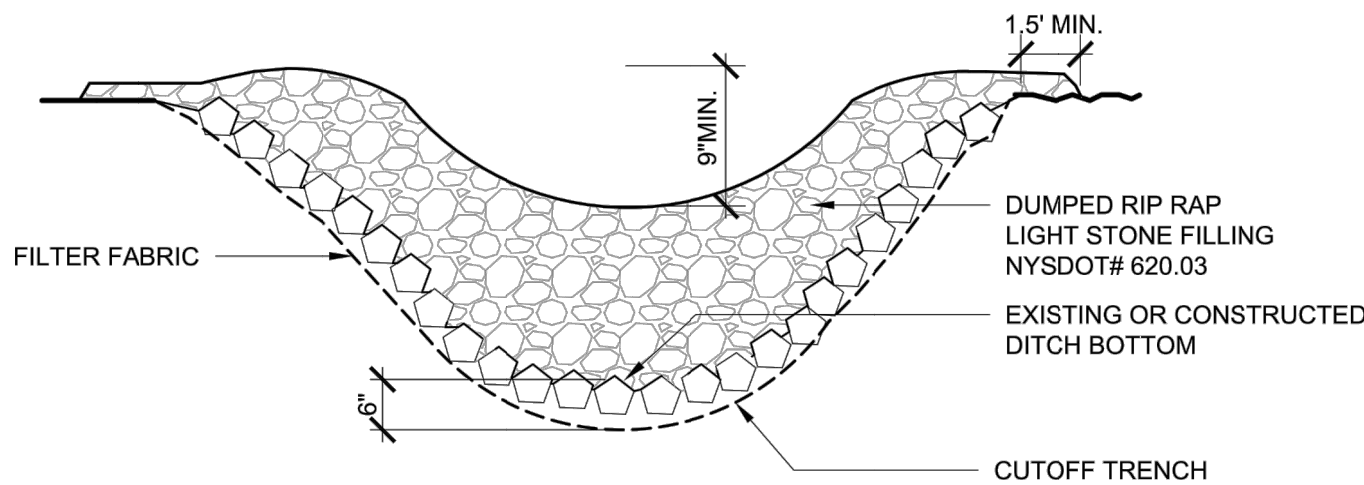
7 STABILIZED CONSTRUCTION ENTRANCE  
N.T.S.



8 SHALLOW WATER CROSSING  
N.T.S.



PROFILE  
NOT TO SCALE

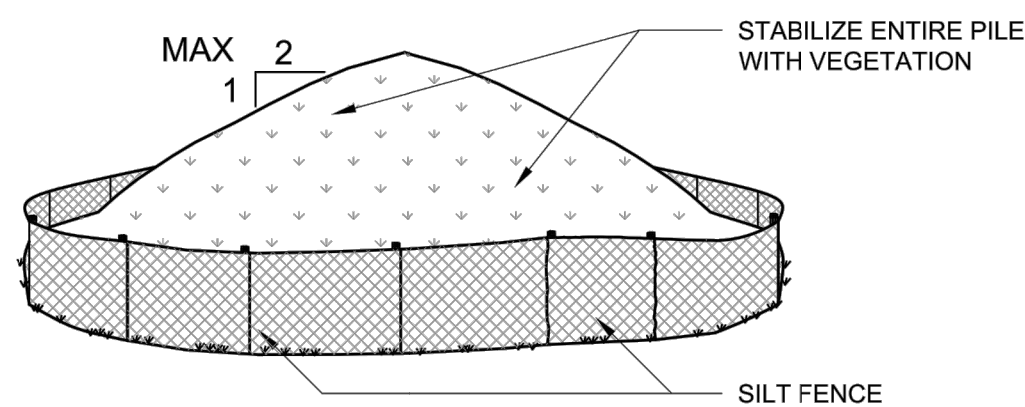


SECTION A-A'  
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
3. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
4. MAXIMUM DRAINAGE AREA 2 ACRES

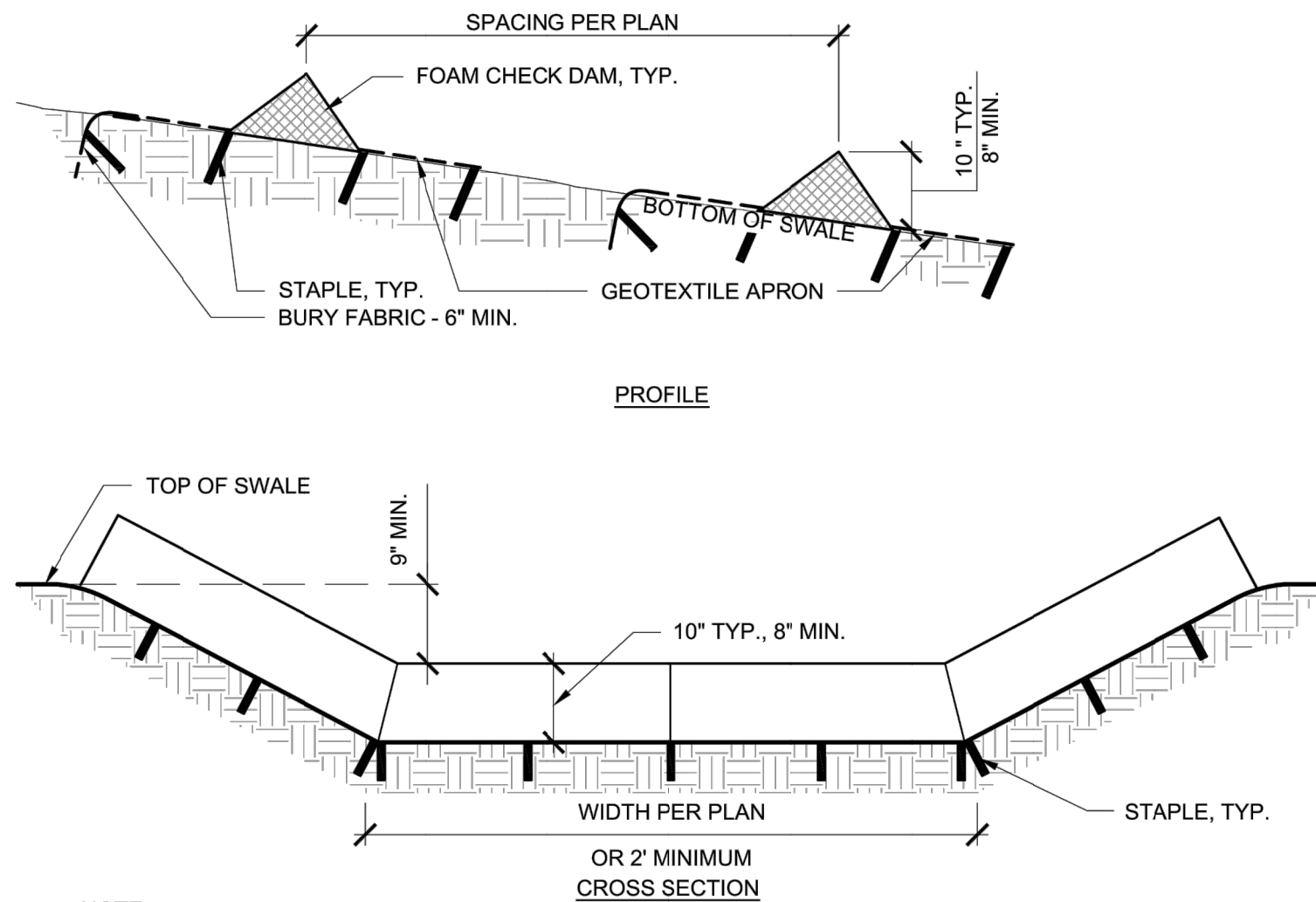
9 STONE CHECK DAM DETAIL  
N.T.S.



INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPIILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V. MAXIMUM HEIGHT SHALL BE 12 FEET.
3. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, INSTALLED PER CORRESPONDING DETAIL, THEN STABILIZED WITH ANNUAL GRAIN WITHIN 3 DAYS.
4. A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE.

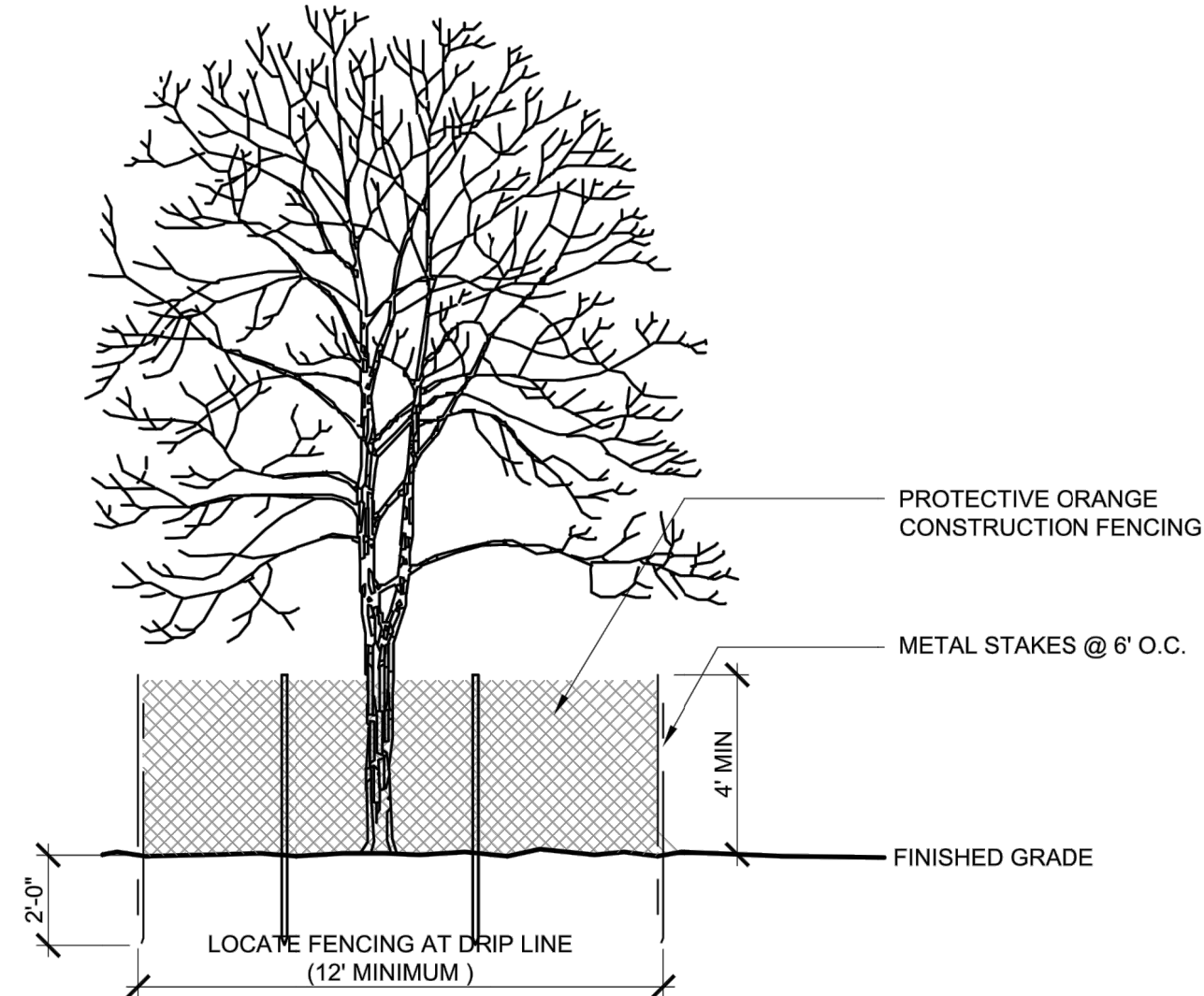
10 STABILIZED TEMPORARY SOIL STOCKPILE  
N.T.S.



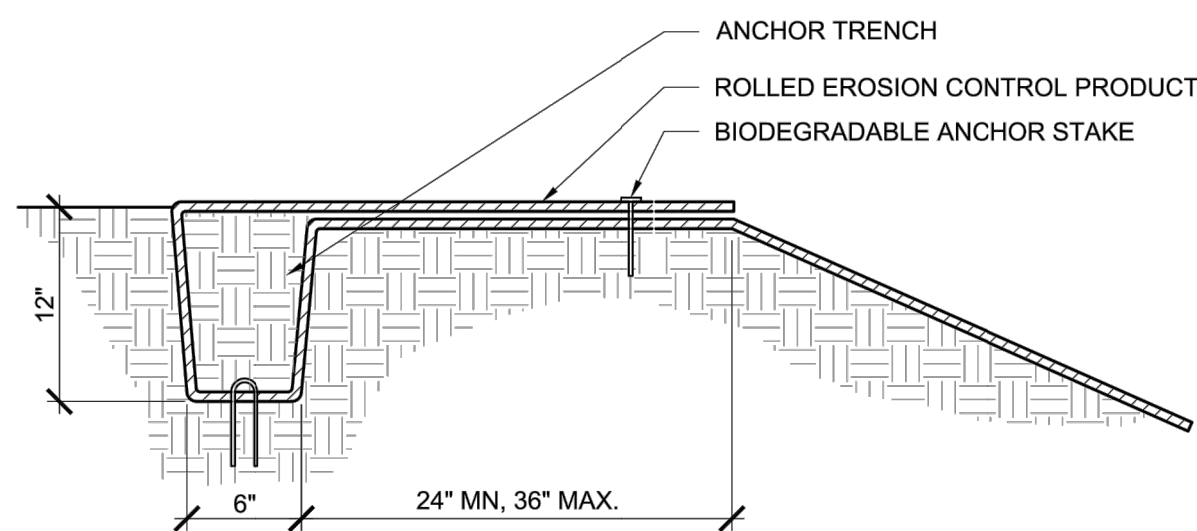
NOTE:

1. PREFABRICATED TEMPORARY CHECK DAMS SHALL BE EITHER URETHANE FOAM (CFC FREE) COVERED WITH GEOTEXTILE FABRIC, TRIANGULAR SILT DIKE BY ACF OR EQUAL.
2. ALTERNATELY, HDPE TEMPORARY CHECK DAMS, GEORDIGE BY NILEX OR EQUAL, MAY BE USED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. STAPLES SHALL BE PLACED WHERE UNITS OVERLAP AND A DIRECTED BY MANUFACTURERS INSTRUCTIONS.

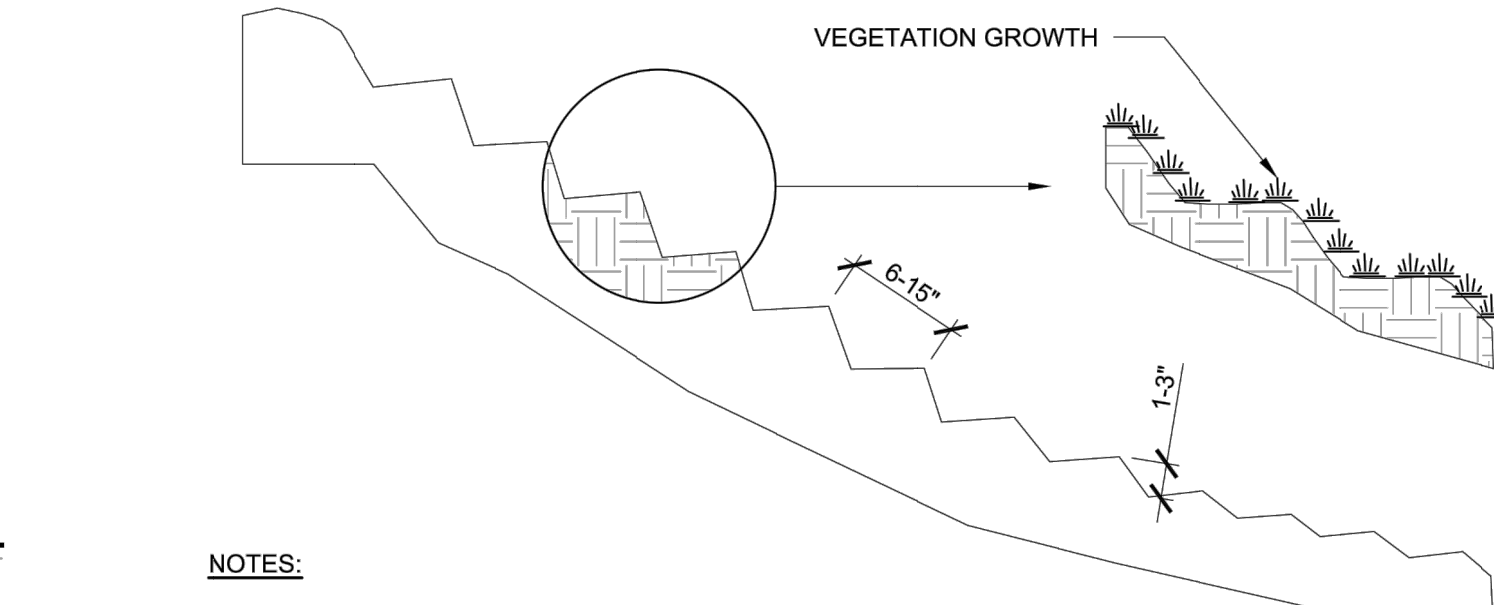
11 PREFABRICATED TEMPORARY CHECK DAM DETAIL  
N.T.S.



12 VEGETATIVE PROTECTION DETAIL  
N.T.S.



INITIAL ANCHOR TRENCH - UPHILL

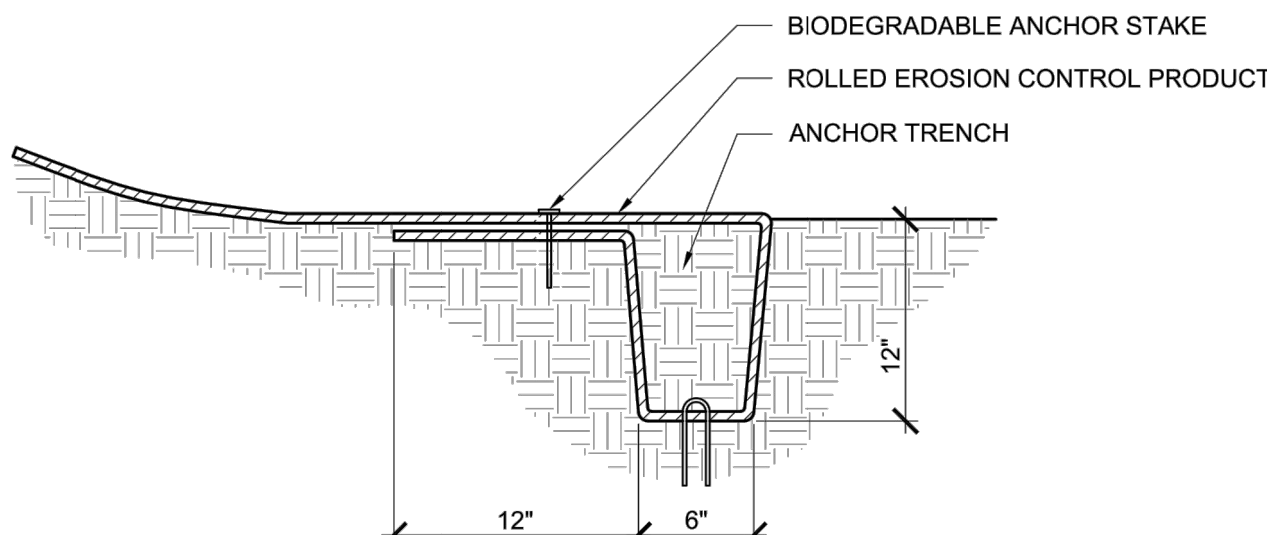


NOTES:

1. FOR USE ON FILL SLOPES THAT WILL NOT BE MOWED IN THE FUTURE.
  - 1.1. CREATE GROOVES PERPENDICULAR TO THE SLOPE USING DISKS, TILLERS, SPRING HARROWS, OR THE TEETH OF A FRONT END LOADER BUCKET.
  - 1.2. GROOVES SHALL BE A MINIMUM OF 3 INCHES DEEP AND NOT MORE THAN 15 INCHES APART.
  - 1.3. DO NOT BLADE OR SCRAPE FINAL SLOPE SURFACE.
2. FOR USE ON CUT OR FILL SLOPES THAT WILL BE MOWED IN THE FUTURE.
  - 2.1. MAKE SLOPES 3H:1V OR FLATTER.
  - 2.2. ROUGHEN BY CREATING SHALLOW GROOVES BY NORMAL TILLING, DISKING, HARROWING, OR USE OF CULTIPLAKER-SEEDER.
  - 2.3. GROOVES SHALL BE A MINIMUM OF 1 INCH DEEP AND A MAXIMUM OF 10 INCHES APART.

GROOVING SLOPES - CUT OR FILL SLOPES

14 SURFACE ROUGHENING DETAIL  
N.T.S.



TERMINAL ANCHOR TRENCH - DOWNHILL

13 PREFABRICATED TEMPORARY CHECK DAM DETAIL  
N.T.S.

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NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
						A	ISSUE FOR REVIEW	10/15/18	MU	KW	JH
						B	ISSUE FOR REVIEW	12/19/18	MU	KW	JH
						C	ISSUE FOR REVIEW	2/22/19	MU	KW	JH
						D	ISSUE FOR REVIEW	4/17/19	MU	KW	JH



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CADFILE: MHS-C-110-01	SCALE: AS NOTED
DWG.NO. MHS-C-110-02	SHEET 2 OF 4
REV D	

MOHAWK SOLAR PROJECT  
TYPICAL CIVIL DETAILS