

**APPENDIX A
STANDARD DRAWINGS**

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Storm Drain Sediment Protection

- 5300 Block and Gravel Drop Inlet Sediment Barrier
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- 5310 Curb and Gutter Sediment Barrier
- 5315 Curb Inlet Sediment Barrier (Block & Gravel)
- 5320 Curb Inlet Sediment Barrier (Sandbags)
- 5325 Silt Fence Drop Inlet Sediment Barrier
- 5330 Straw Bale/Gravel Drop Inlet Sediment Barrier

Streambank Erosion Protection

- 5400 Coir Roll/Coir Matts
- 5405 Gabions

SYMBOLS

DEFINITIONS

	CENTER LINE
	CONSTRUCTION CENTER LINE
	PROPERTY OR R/W LINE
	EASEMENT LINE
	MONUMENT LINE
	FENCE
	CONTOUR LINE (FG)
	CONTOUR ELEVATION (FG)
	BANK SLOPES
	STORM DRAIN LINE
	CULINARY WATER LINE
	SECONDARY WATER LINE
	GAS LINE
	TELEPHONE CABLE
	ELECTRIC CABLE
	SANITARY SEWER LINE
	ASPHALT PAVING
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	MANHOLE
	CATCH BASIN
	CLEAN OUT BOX
	POLE & ANCHOR
	STREET LIGHT
	UNDISTURBED EARTH
	STRUCTURE

SYMBOLS

DEFINITIONS

	CURB & GUTTER
	SIDEWALK
	RAILROAD TRACKS
	GUARD RAIL
	OPEN DITCH, CANAL
	CULVERT
	SECTION CORNER
	SOIL BORING
	MONUMENT
	BENCH MARK
	SIGN
	POWER POLE
	TELEPHONE POLE
	DECIDUOUS TREE
	CONIFEROUS TREE
	P.I.
	P.C. OR P.T.
<u>PROFILE</u>	
	GROUND PROFILE
	CULVERT
	P.V.I.
	P.V.C. OR P.V.T.
	GROUNDWATER ELEVATION

City of West Jordan, Utah



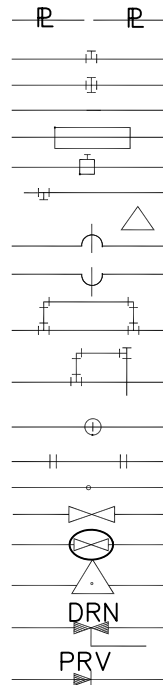
ABBREVIATIONS AND SYMBOLS
ROADWAYS

PLAN
1005

ABBREVIATIONS

C.I.P. = CAST IRON PIPE
 D.I.P. = DUCTILE IRON PIPE
 PVC = POLYVINYL CHLORIDE
 MJ = MECHANICAL JOINT
 T.J. = TYTON JOINT
 O.B. = OPEN BELL
 L.B. = LARGE BELL
 WOV = WASH OUT VALVE
 VAL. = VALVE
 HYD. = HYDRANT
 REG. = REGULATOR
 BD. = BEND
 EXT. = EXTEND
 RED. = REDUCER
 FLG. = FLANGED
 ASSY. = ASSEMBLY
 M.W. = MANWAY
 MH = MANHOLE
 SPIG. = SPIGOT
 ADPT. = ADAPTOR
 TBC. = TOP BACK OF CURB
 F.C. = FACE OF CURB
 P.C.C.P. = PRE STRESSED CONCRETE
 CYLINDER PIPE
 C.M.P. CAS. = CORRUGATED METAL PIPE
 CASING
 A.A.V.V. = AUTOMATIC AIR RELEASE
 VALVE
 A.C.A.R.V. = AUTOMATIC COMBINATION
 AIR RELEASE VALVE
 ASPH. = ASPHALT
 A.C. = ASPHALTIC CONCRETE
 CONC. = CONCRETE
 GALV. = GALVANIZED IRON
 COP. = COPPER
 PRV. = PRESSURE REDUCING VALVE
 GV. = GATE VALVE
 BFV. = BUTTERFLY VALVE
 WOV. = WASH OUT VALVE

SYMBOLS



DEFINITIONS

PROPERTY LINES
 (100' MAP, DESIGN DRAWINGS)
 WATER MAIN TEE
 WATER MAIN CROSS
 REDUCER
 REGULATOR
 TAPPING SLEEVE AND VALVE
 PLUG AND CLAMP
 CONCRETE THRUST BLOCK
 PIPE OVER
 PIPE UNDER

BYPASS

RUN-AROUND
 CIRCLED VALVE
 (SYSTEM NORMALLY CLOSED)
 OFFSET OR VERTICAL BENDS
 WASH OUT VALVE
 GATE VALVE
 BUTTERFLY VALVE

AIR RELEASE VALVES
 MANUAL DRAIN VALVE

PRESSURE REDUCING VALVE

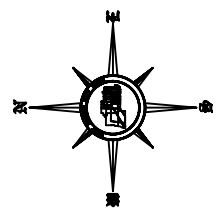
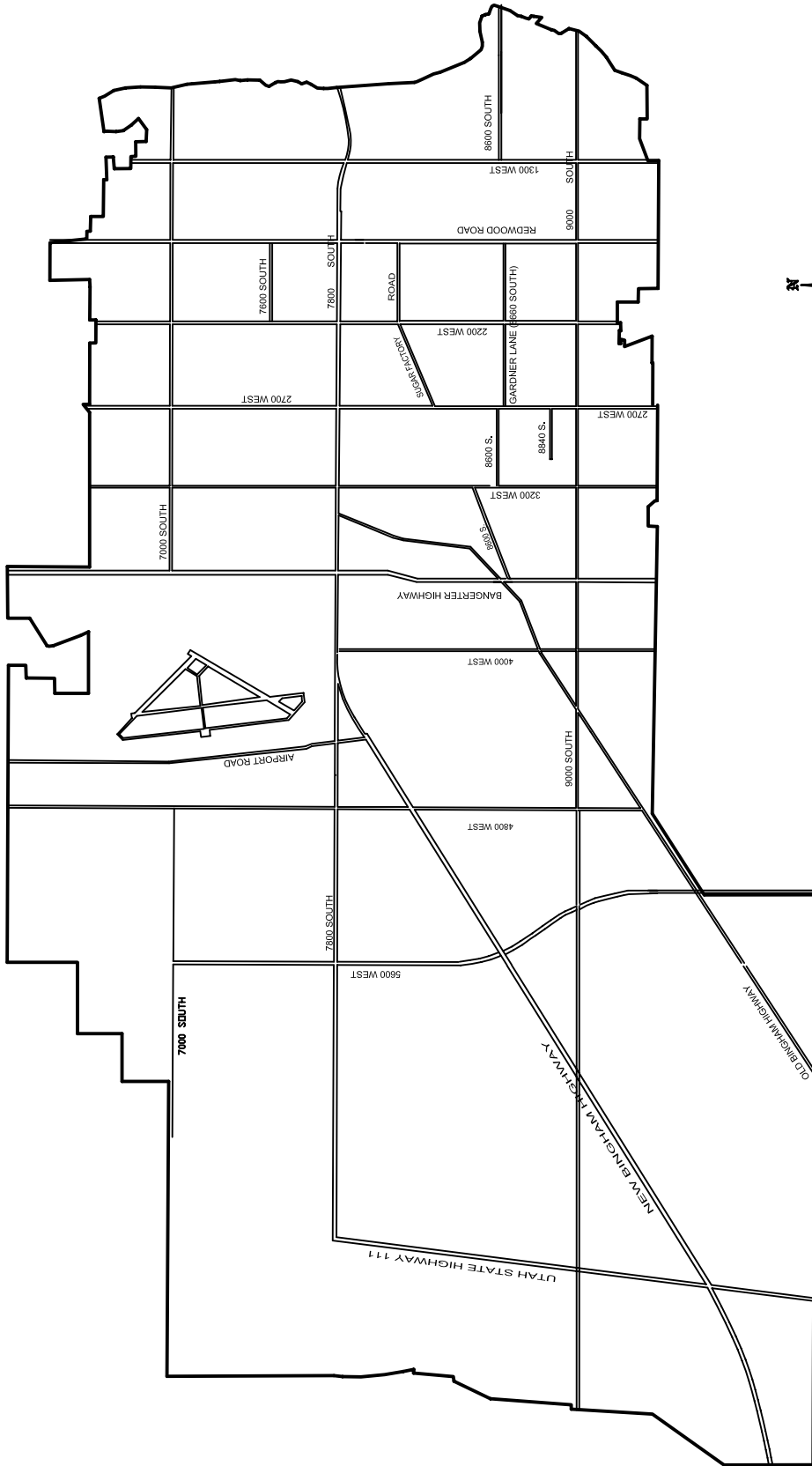
City of West Jordan, Utah



ABBREVIATIONS AND SYMBOLS

STORM DRAIN, SEWER, WATER

PLAN
1010

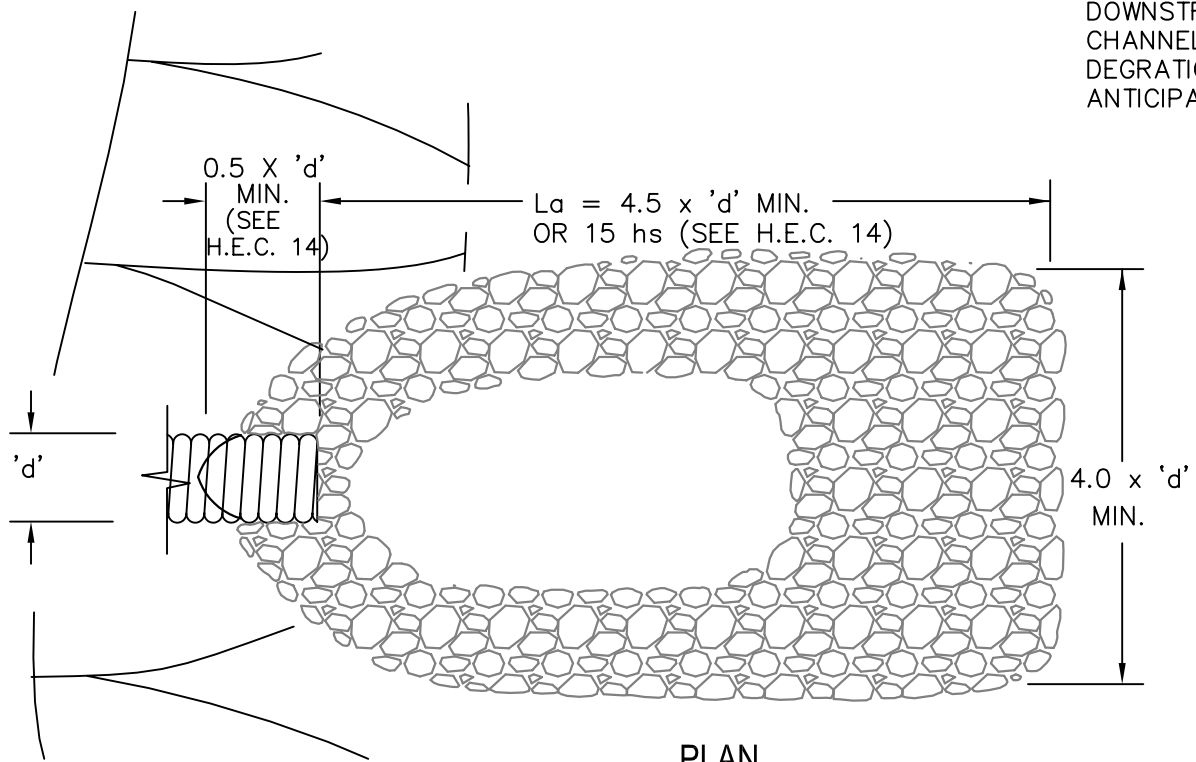
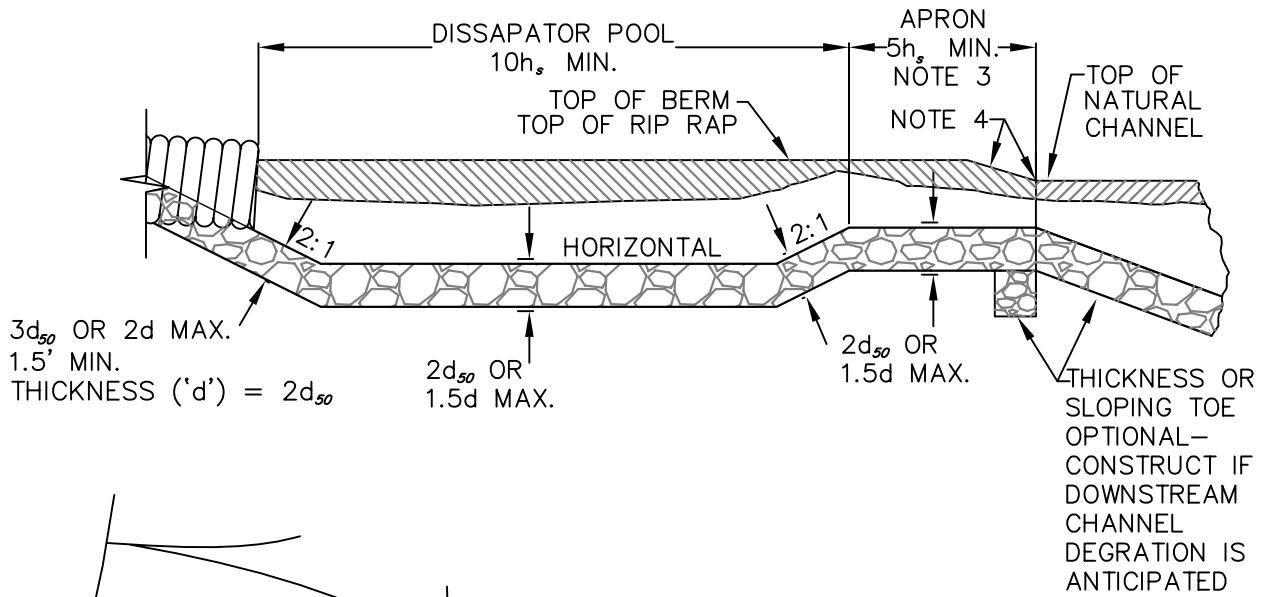


City of West Jordan, Utah



WEST JORDAN CITY MAP

PLAN
1015



PLAN

NOTES:

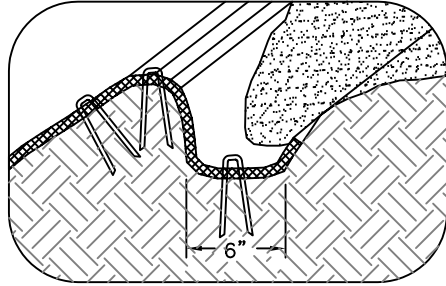
1. TO BE DESIGNED PER H.E.C. 14
2. ROCK SIZE TO BE DESIGNED PER H.E.C. 11
3. IF EXIT VELOCITY OF BASIN IS SPECIFIED. EXTEND BASIN AS REQUIRED TO OBTAIN SUFFICIENT CROSS-SECTIONAL AREA.
4. WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL. TOP OF RIPRAP IN FLOOR OF BASIN SHOULD BE AT THE SAME ELEVATION OR LOWER THAN NATURAL CHANNEL BOTTOM.
5. PLACE RIP-RAP BEFORE OR IN CONJUNCTION WITH THE INSTALLATION OF THE STRUCTURE SO THAT IT IS IN PLACE BEFORE THE FIRST RUNOFF EVENT. (AS PER PAGE 2-44)

City of West Jordan, Utah

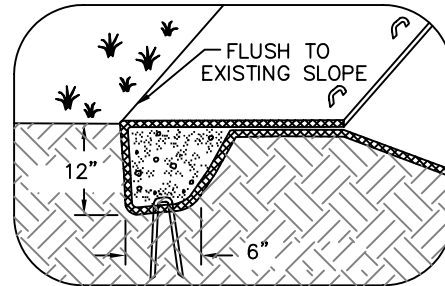


ENERGY DISSIPATOR

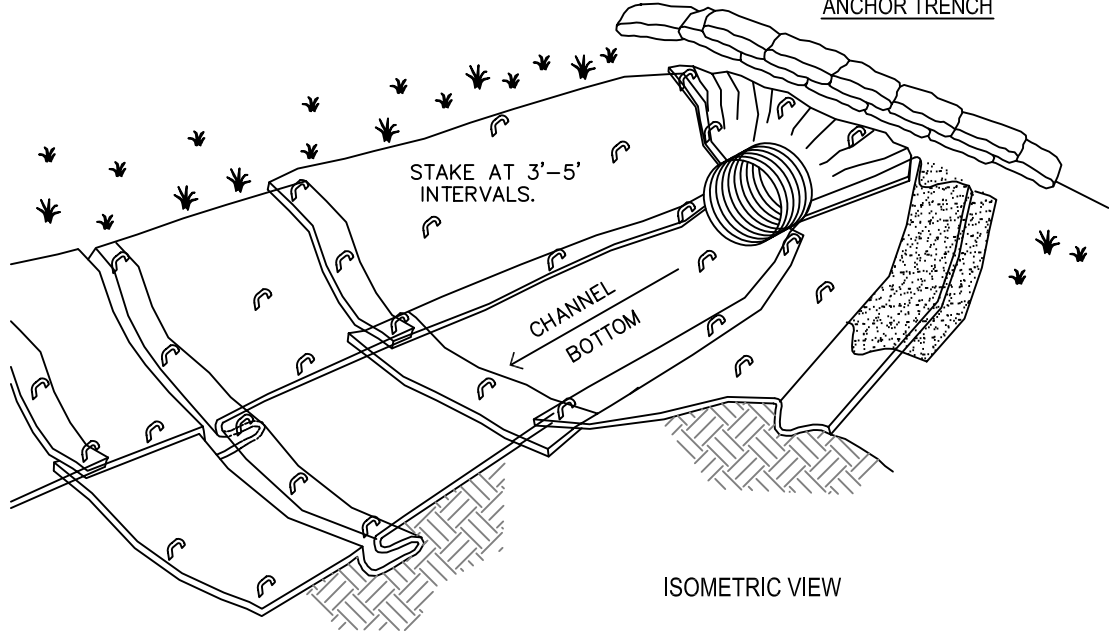
PLAN
5000



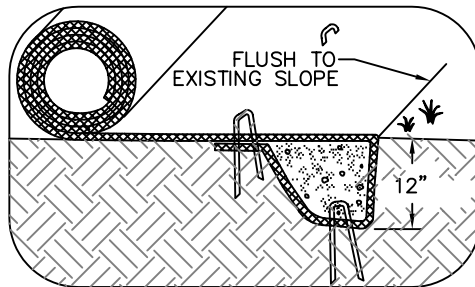
LONGITUDINAL ANCHOR TRENCH



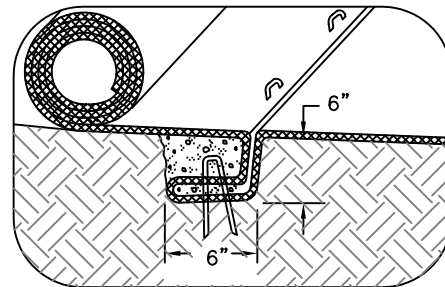
TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH



ISOMETRIC VIEW



INITIAL CHANNEL ANCHOR TRENCH



INTERMITTENT CHECK SLOT

NOTES:

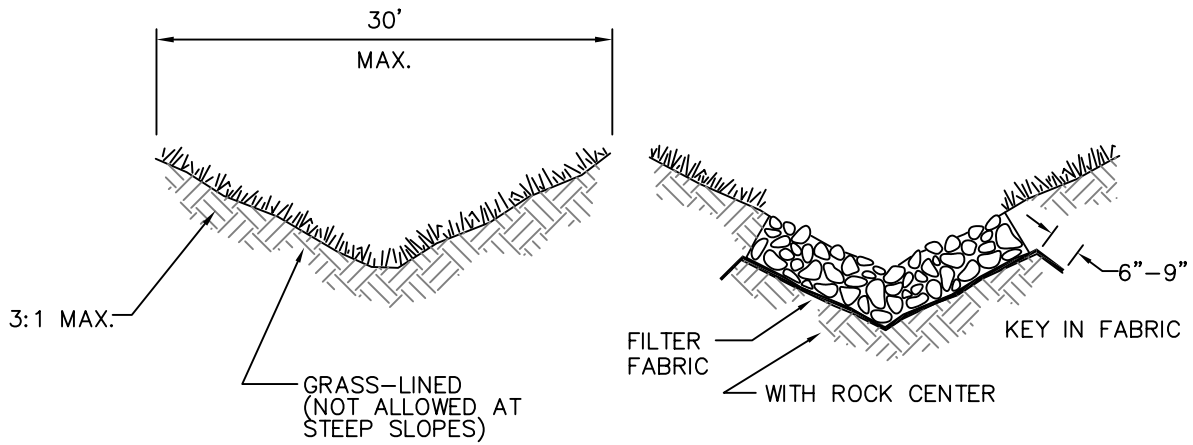
1. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS.
2. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

City of West Jordan, Utah

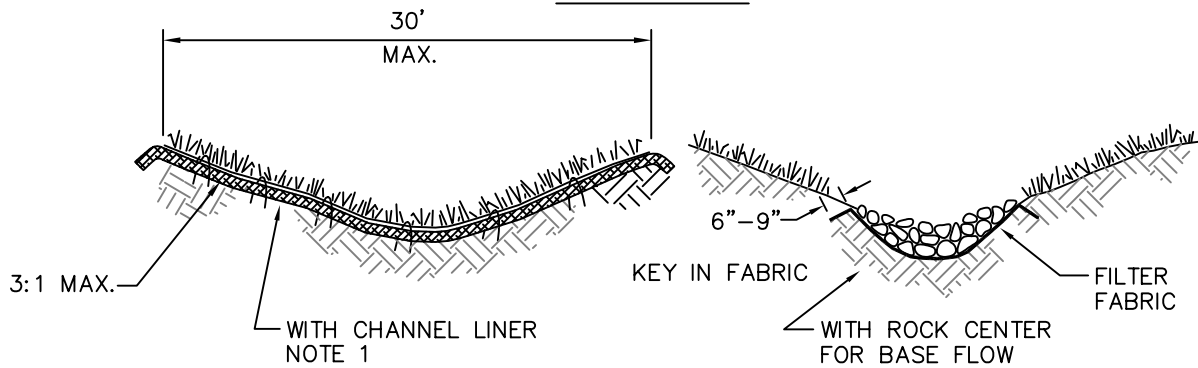


EROSION BLANKETS &
TURF REINFORCEMENT MATS
CHANNEL INSTALLATION

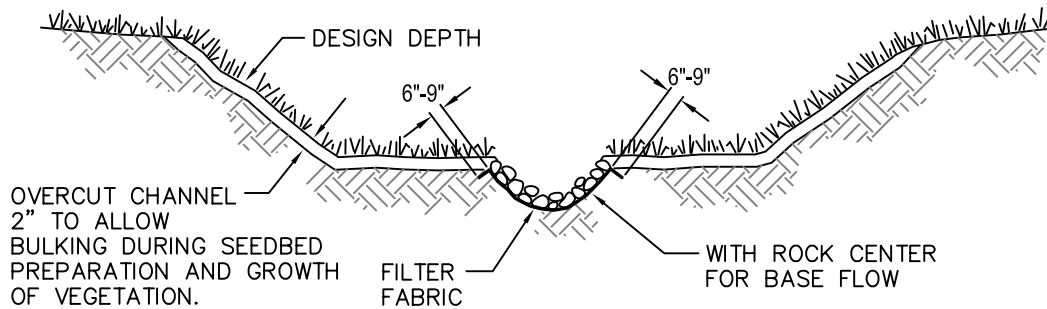
PLAN
5005



TYPICAL V-SHAPED CHANNEL
CROSS-SECTION



TYPICAL PARABOLIC CHANNEL
CROSS-SECTION



TYPICAL TRAPEZOIDAL CHANNEL
CROSS-SECTION

NOTES:

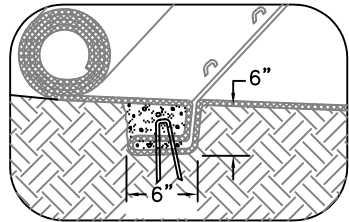
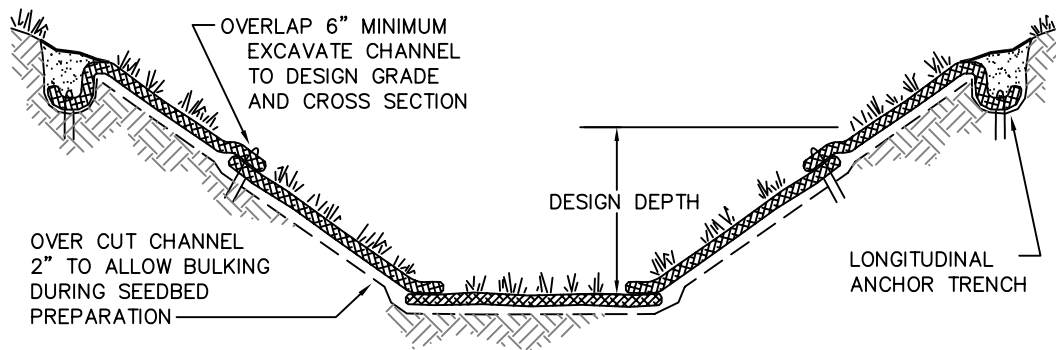
1. TO BE DESIGNED AS PER H.E.C. 15-
FLEXIBLE CHANNEL
2. FABRIC THICKNESS 20-60 MILS.
3. FABRIC GRAB STRENGTH 90-120 LBS
4. FILTER FABRIC TO CONFORM TO ASTM D-1682 OR ASTM D-177

City of West Jordan, Utah



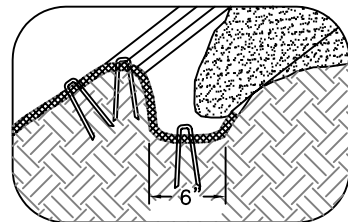
GRASS-LINED CHANNEL
TYPICAL CROSS SECTIONS

PLAN
5010

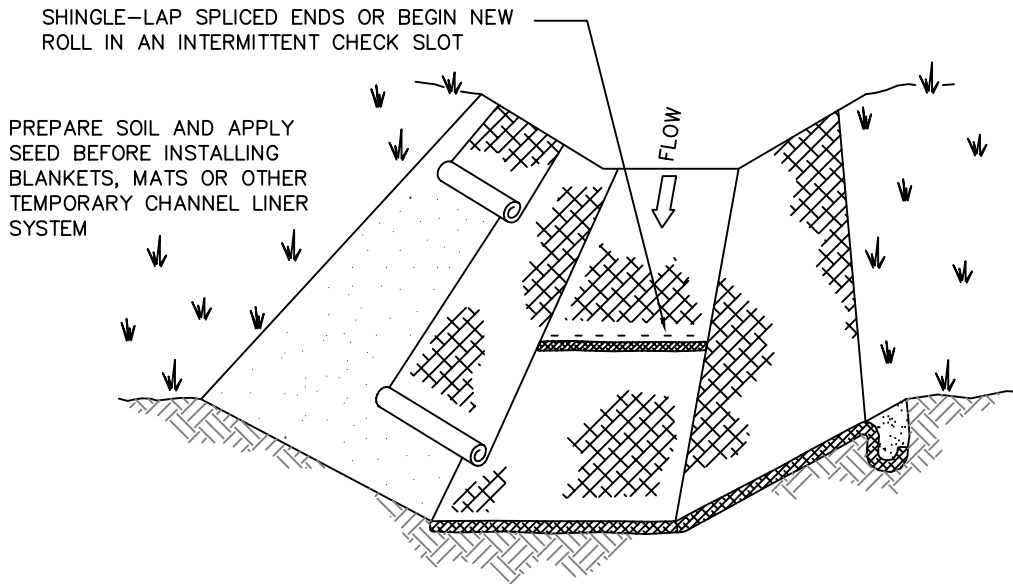


INTERMITTENT CHECK SLOT

TYPICAL INSTALLATION WITH EROSION CONTROL BLANKETS OR TURF REINFORCEMENT MATS



LONGITUDINAL ANCHOR TRENCH



NOT TO SCALE

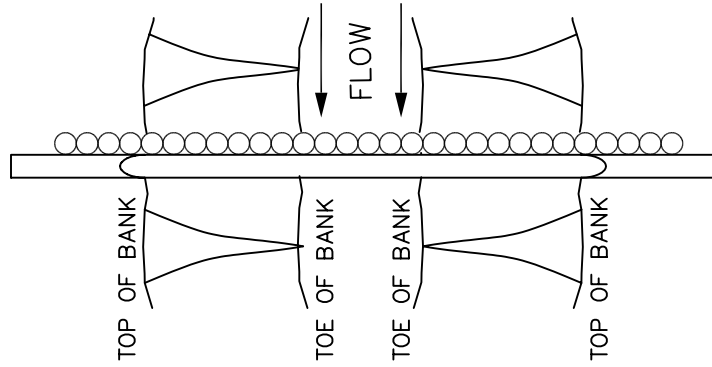
NOTES:
1. TO BE DESIGNED AS PER H.E.C. 15

City of West Jordan, Utah

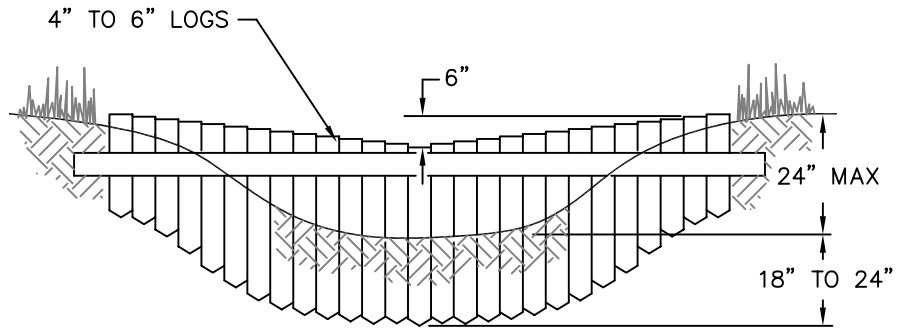


GRASS-LINED CHANNEL
TYPICAL INSTALLATION

PLAN
5015

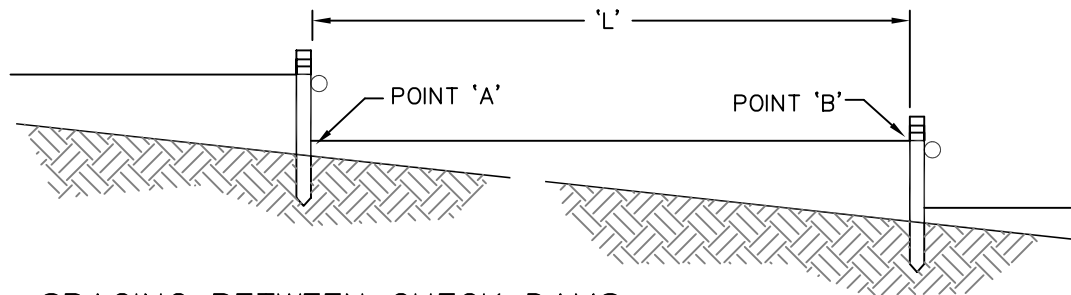


PLAN VIEW



VIEW LOOKING UPSTREAM

'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION



SPACING BETWEEN CHECK DAMS

NOT TO SCALE

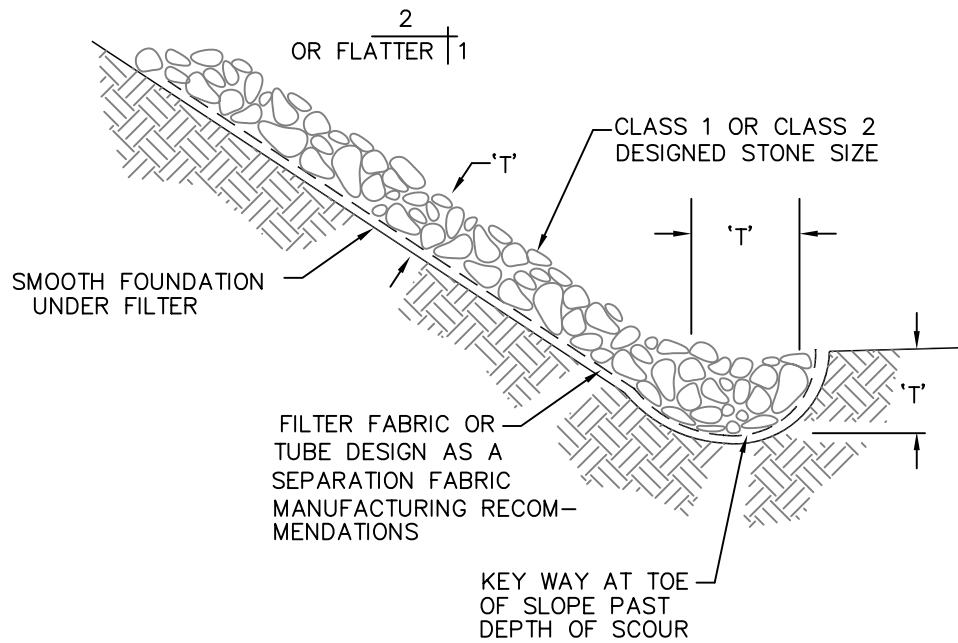
NOTE:
KEY THE ENDS OF THE CHECK DAM INTO THE CHANNEL BANK. LOGS SHALL BE PRESSURE TREATED IF GRADE STABILIZATION STRUCTURE IS INTENDED TO BE PERMANENT.

City of West Jordan, Utah



LOG CHECK
DAM

PLAN
5020



$$T=2d_{50}$$

TYPICAL SECTION

NOTE:

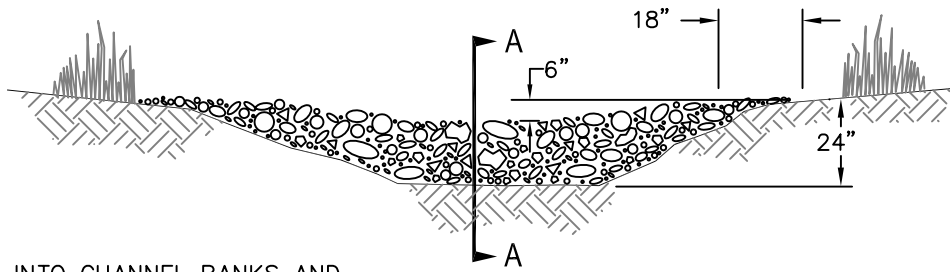
1. TO BE DESIGNED PER H.E.C. 15- FLEXIBLE CHANNEL
2. ROCK SIZE TO BE DESIGNED PER H.E.C. 11

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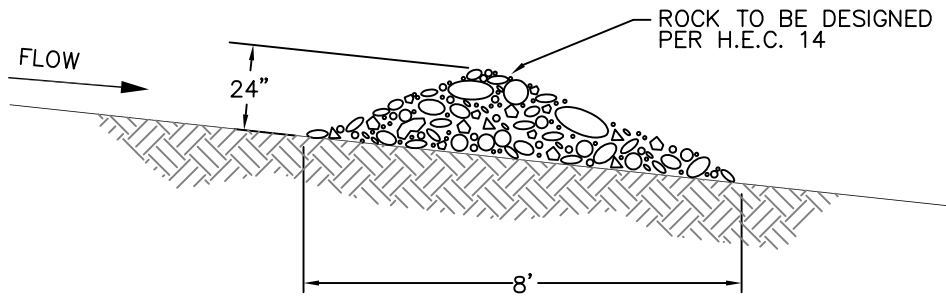
RIP RAP
PROTECTION

PLAN
5030



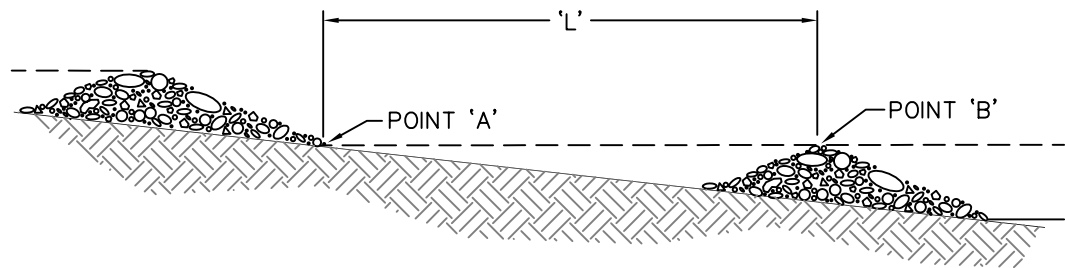
NOTE:
KEY STONE INTO CHANNEL BANKS AND
EXTEND IT BEYOND THE ABUTMENTS A
MINIMUM OF 18" TO PREVENT FLOW
AROUND DAM.

VIEW LOOKING UPSTREAM



SECTION A - A

'L' = THE DISTANCE SUCH THAT POINTS 'A' AND
'B' ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS

NOTES:
1. DESIGN PER H.E.C. 14

NOT TO SCALE

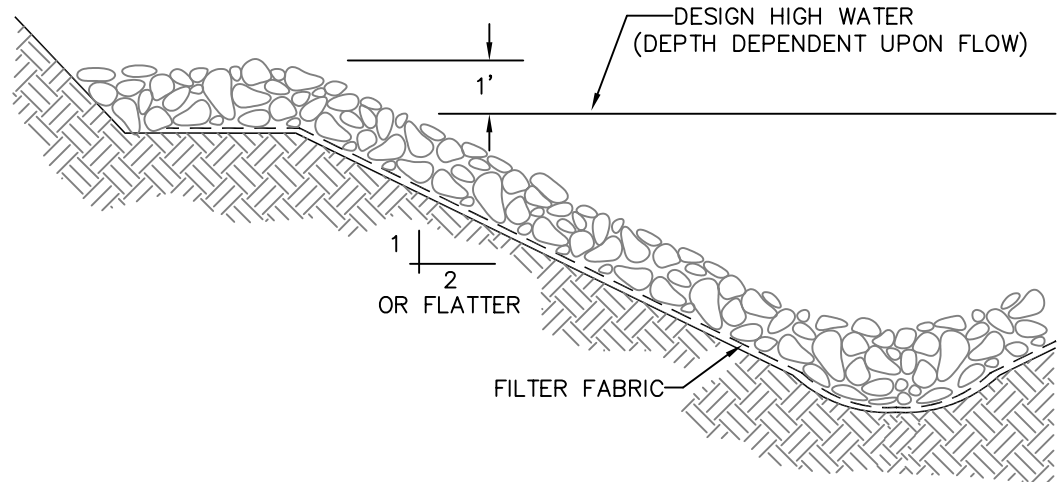
City of West Jordan, Utah



ROCK
CHECK DAM

PLAN
5035

DESIGN HEIGHT (H), WIDTH AND STONE SIZE SHALL
BE DETERMINED BY THE ENGINEER



TYPICAL SECTION

NOTES:

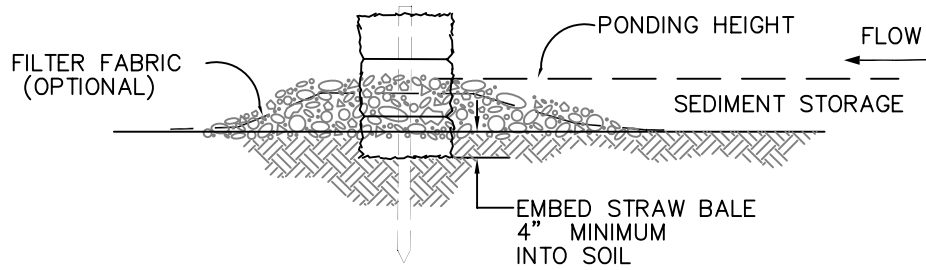
1. ROCK SIZE TO BE DESIGNED PER H.E.C. 11
2. TO BE DESIGNED PER H.E.C. 15—
FLEXIBLE CHANNELS

City of West Jordan, Utah

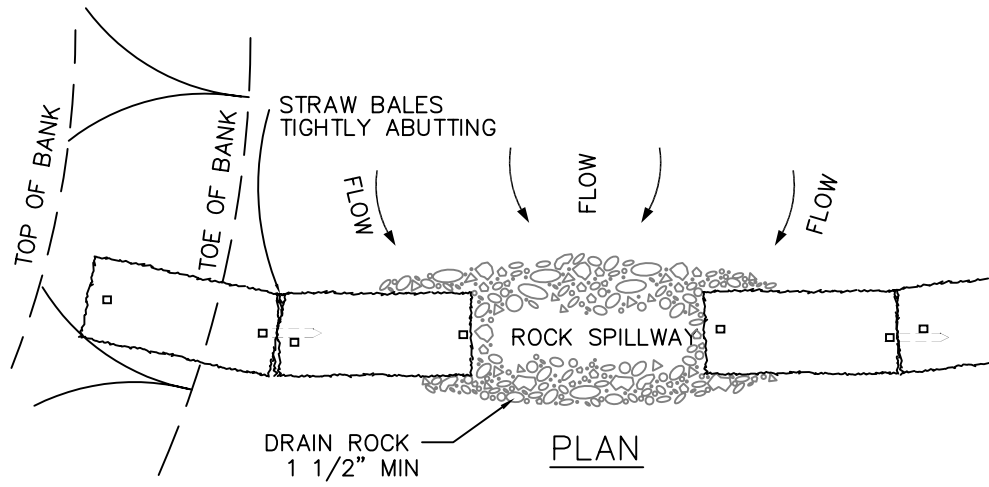


ROCK LINED
CHANNEL

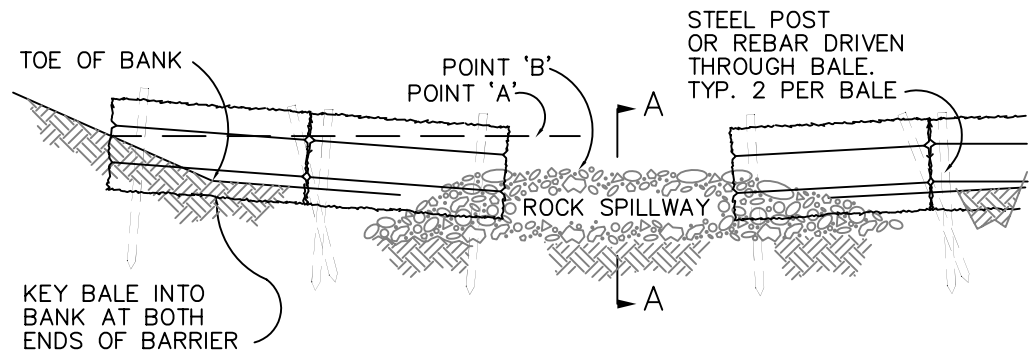
PLAN
5040



SECTION A - A



PLAN



VIEW LOOKING UPSTREAM

NOTES:

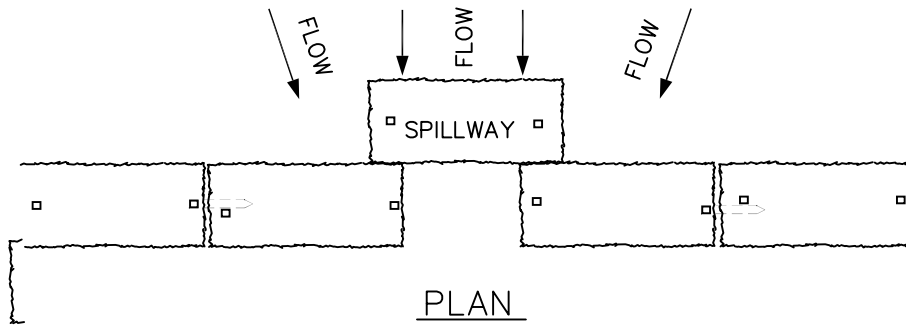
1. PLACE BALES PERPENDICULAR TO FLOW.
2. EMBED THE BALE 4" INTO THE SOIL AND "KEY" THE END BALES INTO THE CHANNEL BANKS TO PREVENT FLOW AROUND THE BALES.
3. BALES PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
4. POINT "A" SHALL BE HIGHER THAN POINT "B".
5. SPILLWAY HEIGHT SHALL NOT EXCEED 24" .

City of West Jordan, Utah

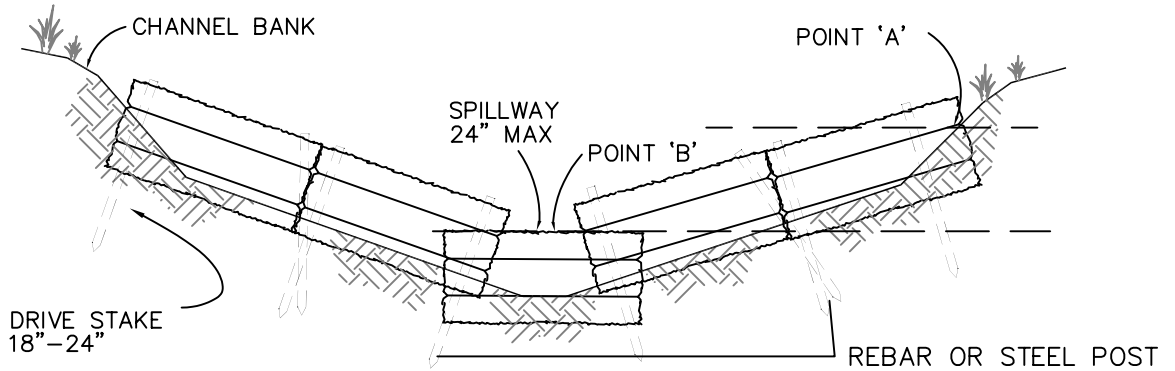


TEMPORARY SEMI-PERVIOUS STRAW BALE SEDIMENT BARRIER

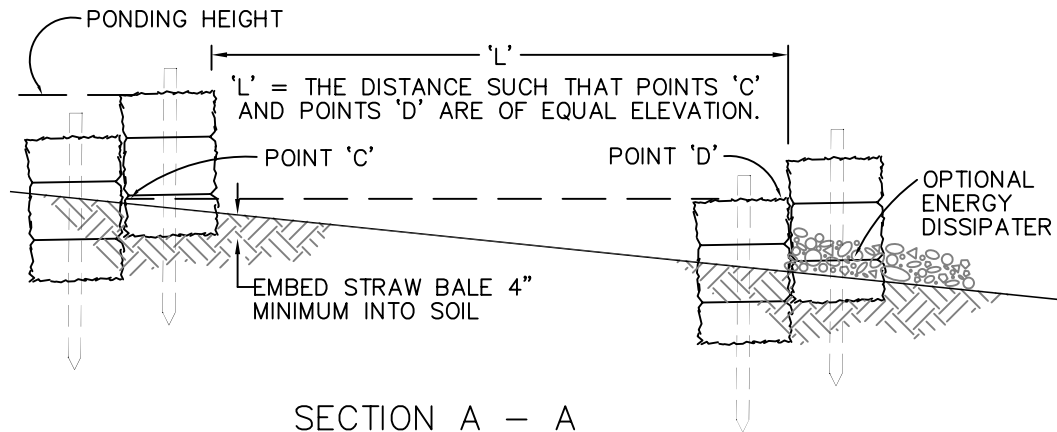
PLAN
5050



PLAN



VIEW LOOKING UPSTREAM



SECTION A - A
SPACING BETWEEN CHECK DAMS

NOT TO SCALE

NOTES:

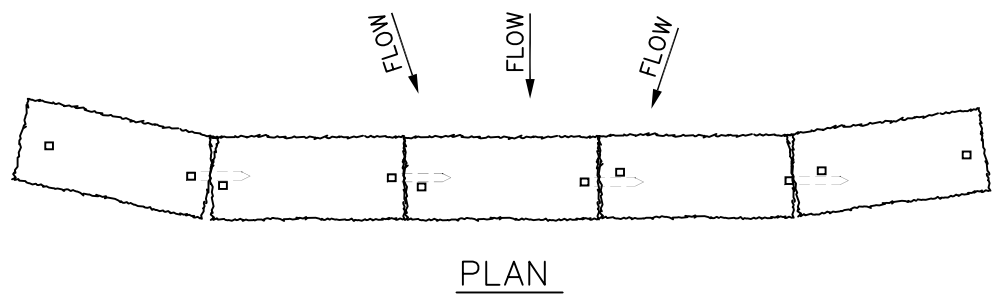
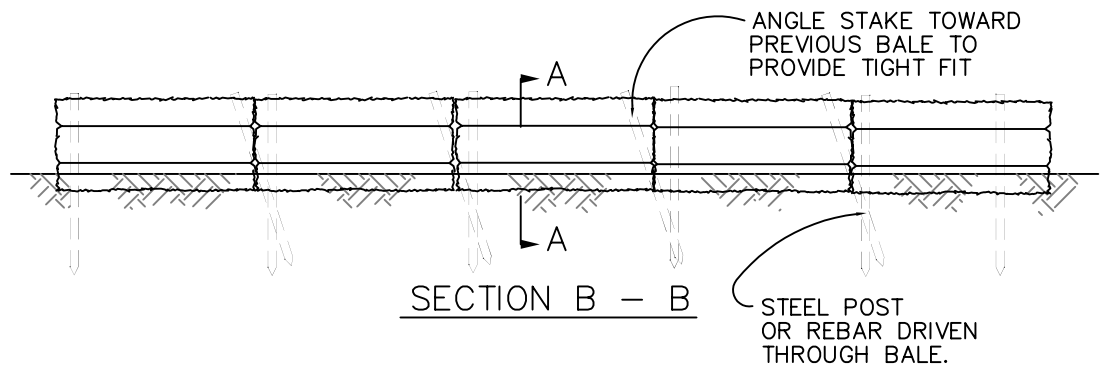
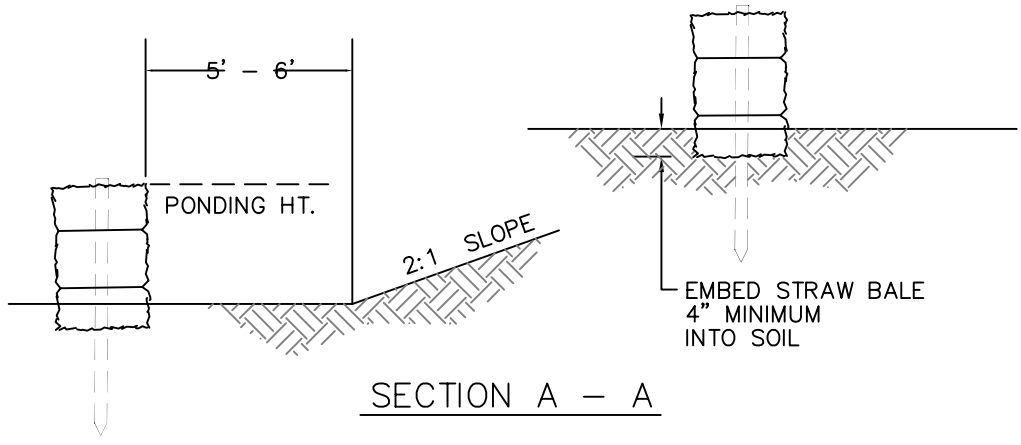
1. EMBED BALES 4" INTO THE SOIL AND 'KEY' BALES INTO THE CHANNEL BANKS.
2. POINT 'A' MUST BE HIGHER THAN POINT 'B'. (SPILLWAY HEIGHT)
3. PLACE BALES PERPENDICULAR TO THE FLOW WITH ENDS TIGHTLY ABUTTING.
4. SPILLWAY HEIGHT SHALL NOT EXCEED 24" .
5. INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROMPTLY.

City of West Jordan, Utah



TEMPORARY STRAW BALE
CHECK DAM

PLAN
5055



NOTES:

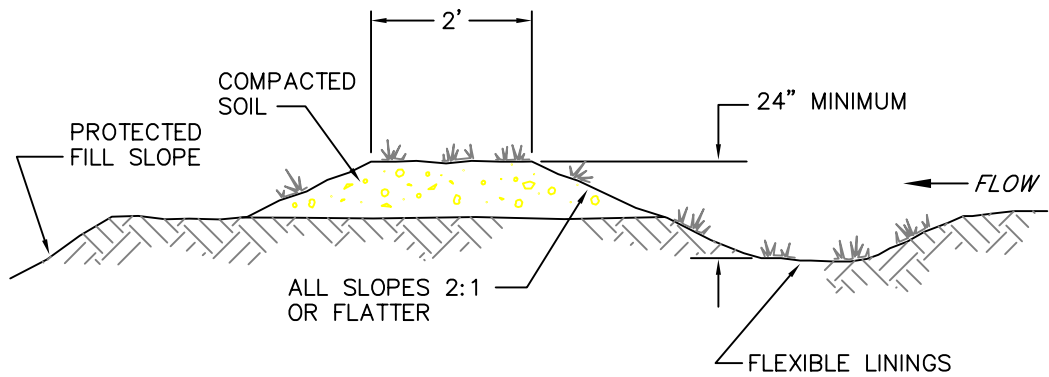
1. THE STRAW BALES SHALL BE PLACED ON SLOPE CONTOUR.
2. BALES TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING.
3. KEY IN BALES TO PREVENT EROSION OR FLOW UNDER BALES.

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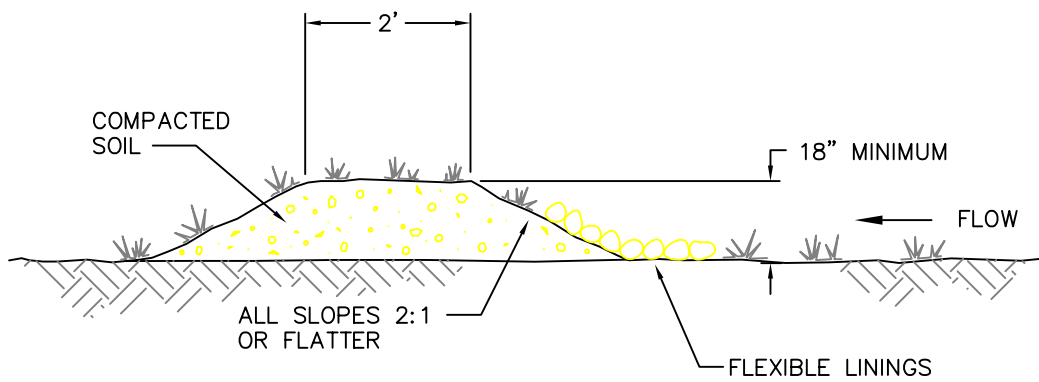


TEMPORARY STRAW BALE
DIKE

PLAN
5060



TYPICAL FILL DIVERSION



TYPICAL TEMPORARY DIVERSION DIKE

NOTES:

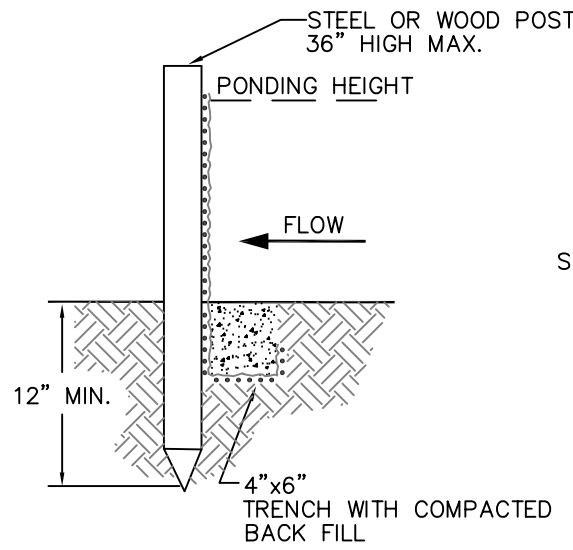
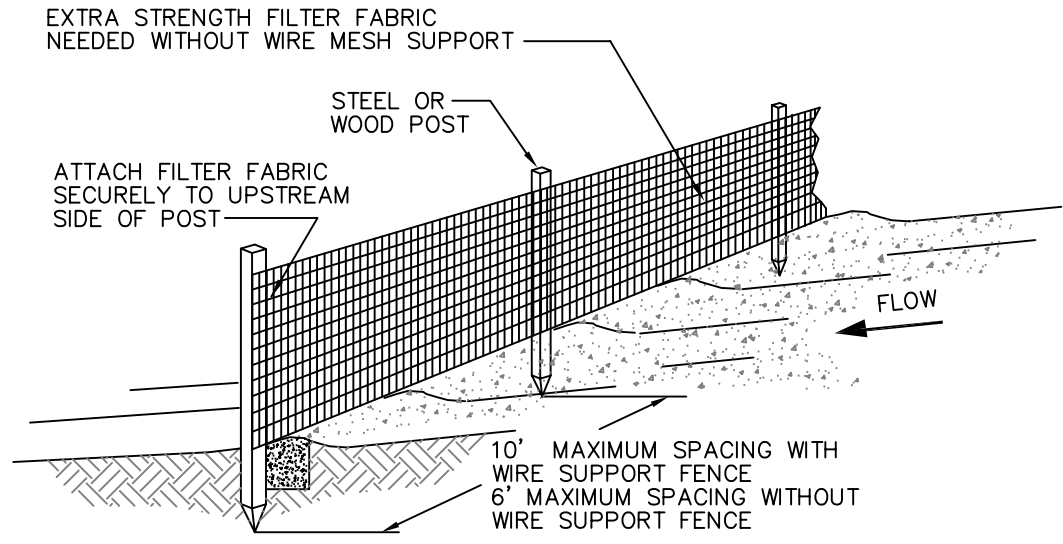
1. THE CHANNEL BEHIND THE DIKE SHALL HAVE POSITIVE GRADE TO A STABILIZED OUTLET.
2. THE DIKE SHALL BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
3. THE DIKE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING OR RIPRAP.

City of West Jordan, Utah

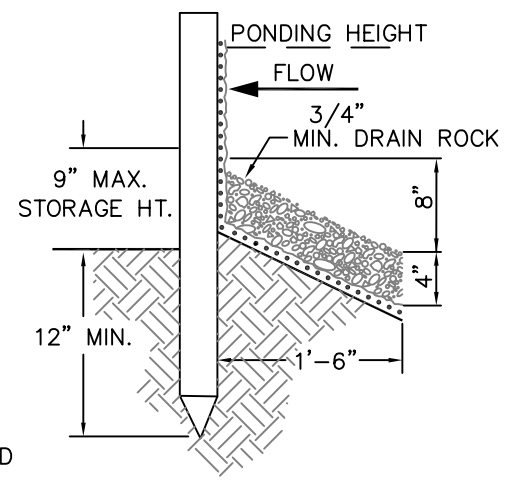


TEMPORARY DIVERSION DIKE

PLAN
5065



TRENCH DETAIL



INSTALLATION WITHOUT TRENCHING

NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO DESIGNATED STORAGE AREAS.

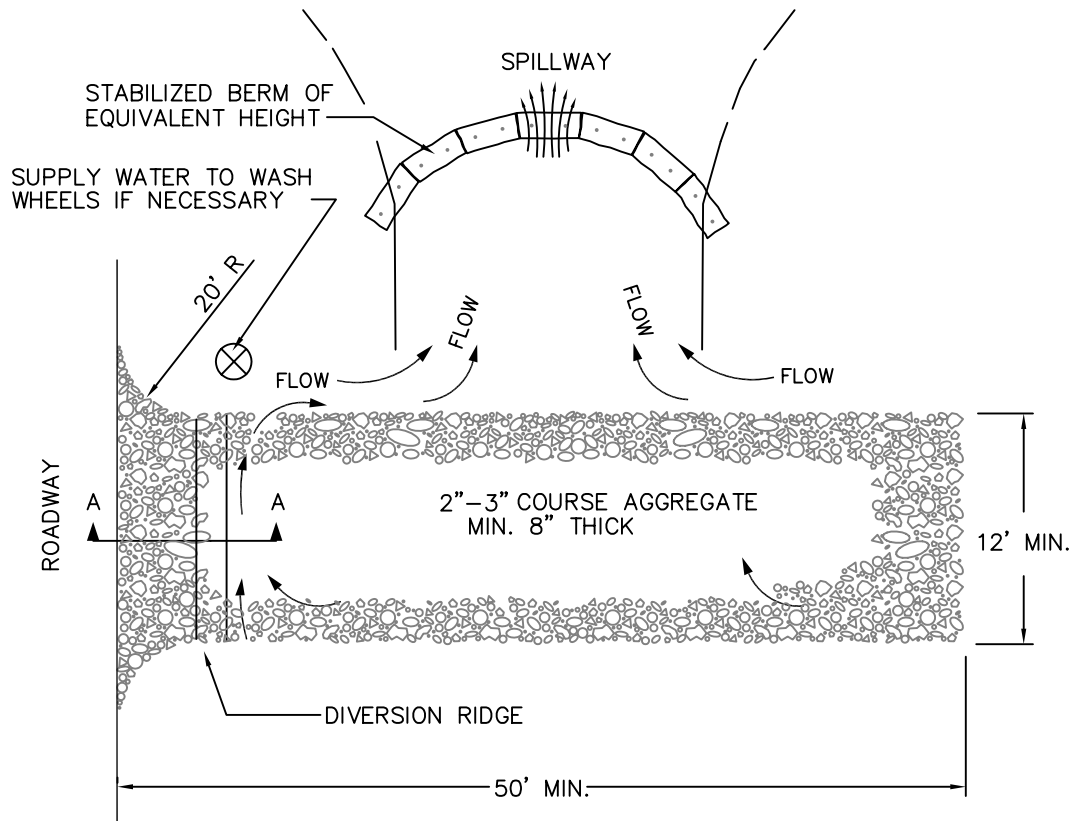
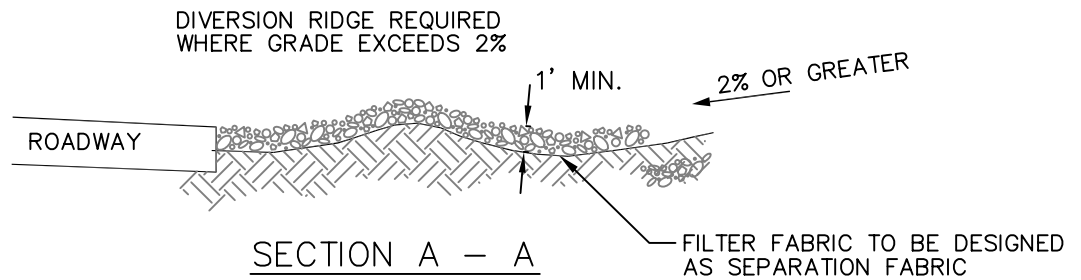
NOT TO SCALE

City of West Jordan, Utah



SILT FENCE

PLAN
5100



PLAN

NOTES:

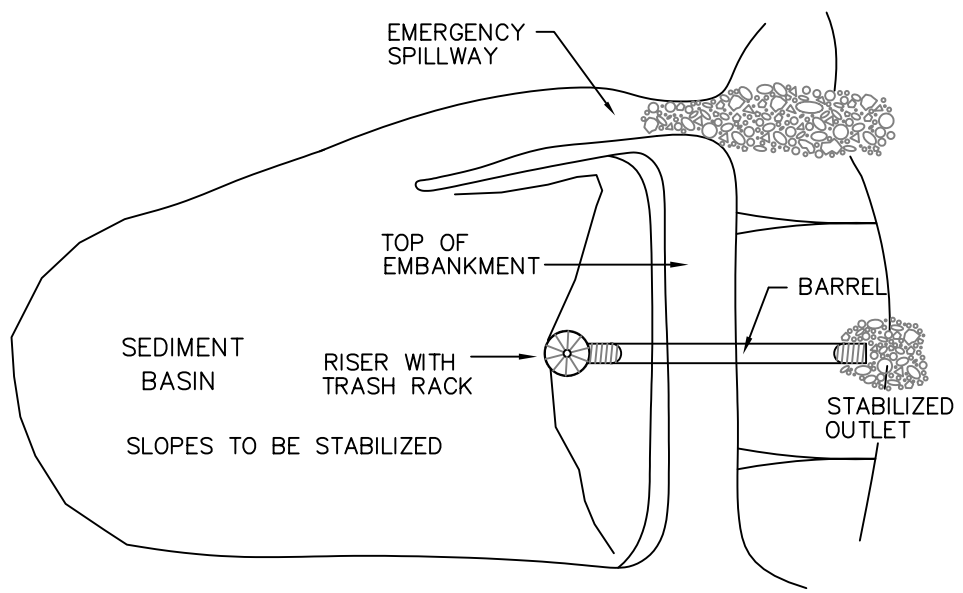
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. THE INTENT OF THIS IS TO KEEP THE STREETS FREE FROM DIRT AND OR SEDIMENT
5. DEPTH OF AGGREGATE WILL BE DETERMINED BY DESIGN ENGINEER BASED ON EXISTING SOIL TYPE.
6. GEOTEXTILE FABRIC SHALL BE USED FOR ENTRANCE

City of West Jordan, Utah

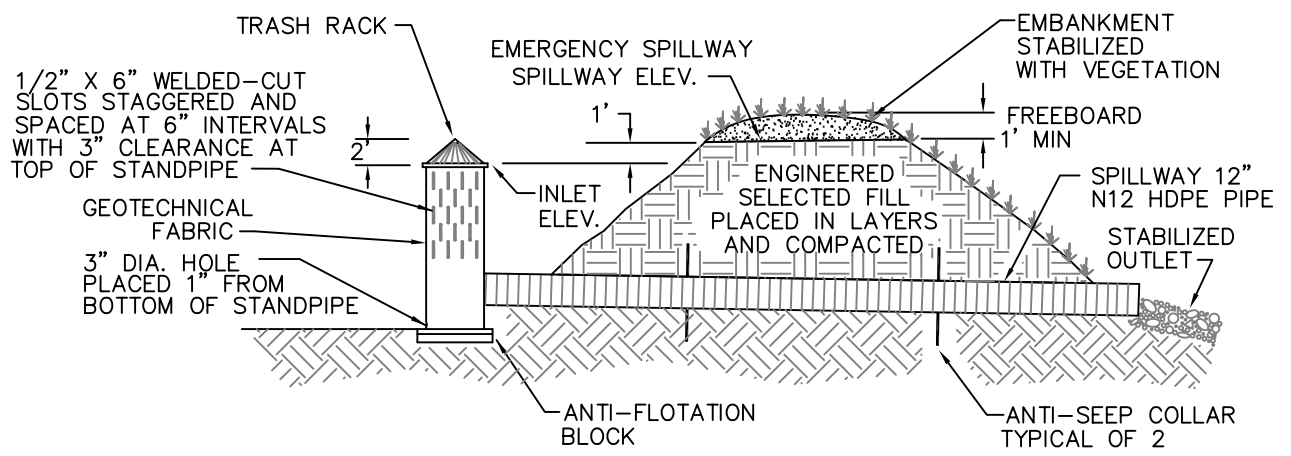


TEMPORARY
GRAVEL CONSTRUCTION
ENTRANCE/EXIT

PLAN
5105



PLAN



SECTION

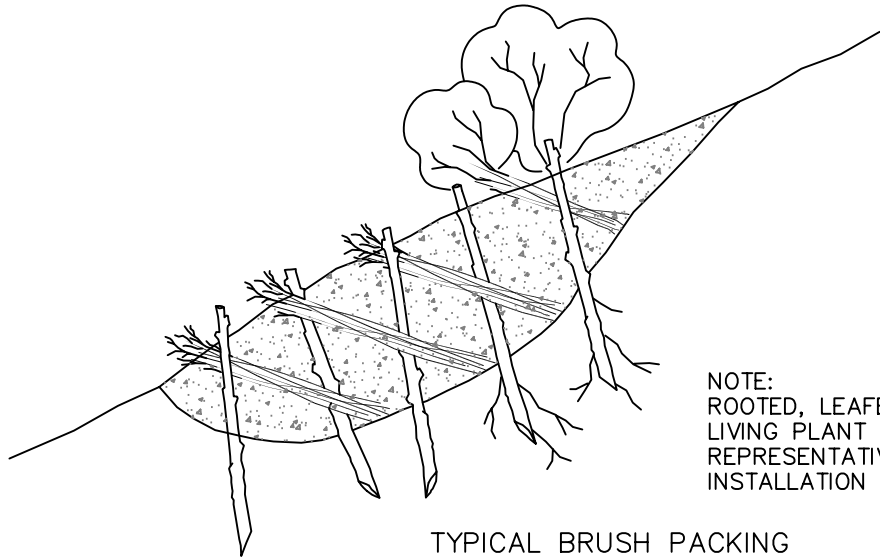
- NOTES:
1. SEDIMENT BASIN TO BE SIZED PER SEDIMENT LOAD CALCULATIONS.

City of West Jordan, Utah



TYPICAL
SEDIMENT BASIN

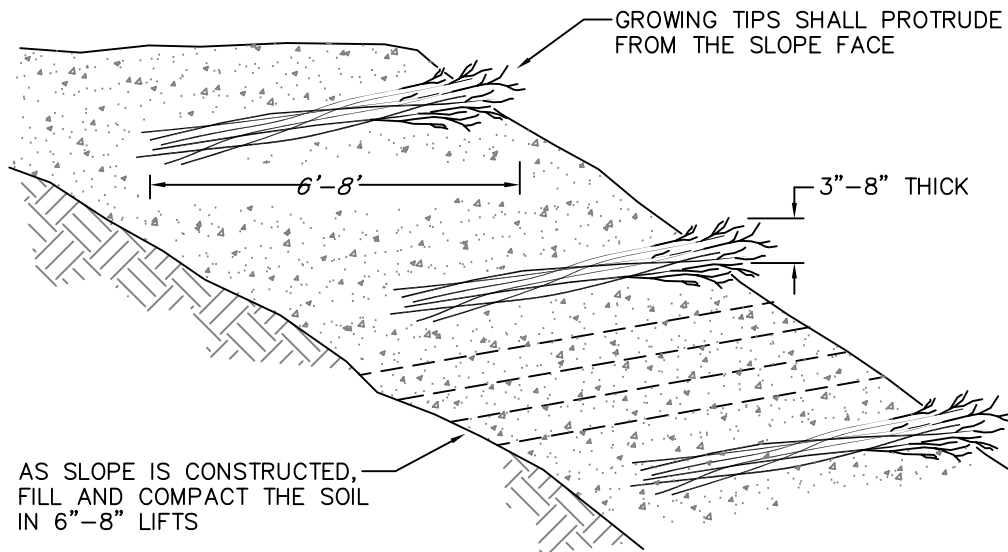
PLAN
5110



NOTE:
 ROOTED, LEAFED CONDITION OF THE
 LIVING PLANT MATERIAL IS NOT
 REPRESENTATIVE OF THE TIME OF
 INSTALLATION

TYPICAL BRUSH PACKING

COVER BRUSH LAYER IMMEDIATELY WITH
 6" (150mm) OF FILL SOIL, WATER AND
 COMPACT ACCORDING TO SPECIFICATIONS



GROWING TIPS SHALL PROTRUDE
 FROM THE SLOPE FACE

6'-8'

3"-8" THICK

AS SLOPE IS CONSTRUCTED,
 FILL AND COMPACT THE SOIL
 IN 6"-8" LIFTS

BIO TECHNICAL STABILIZATION

NOTES:

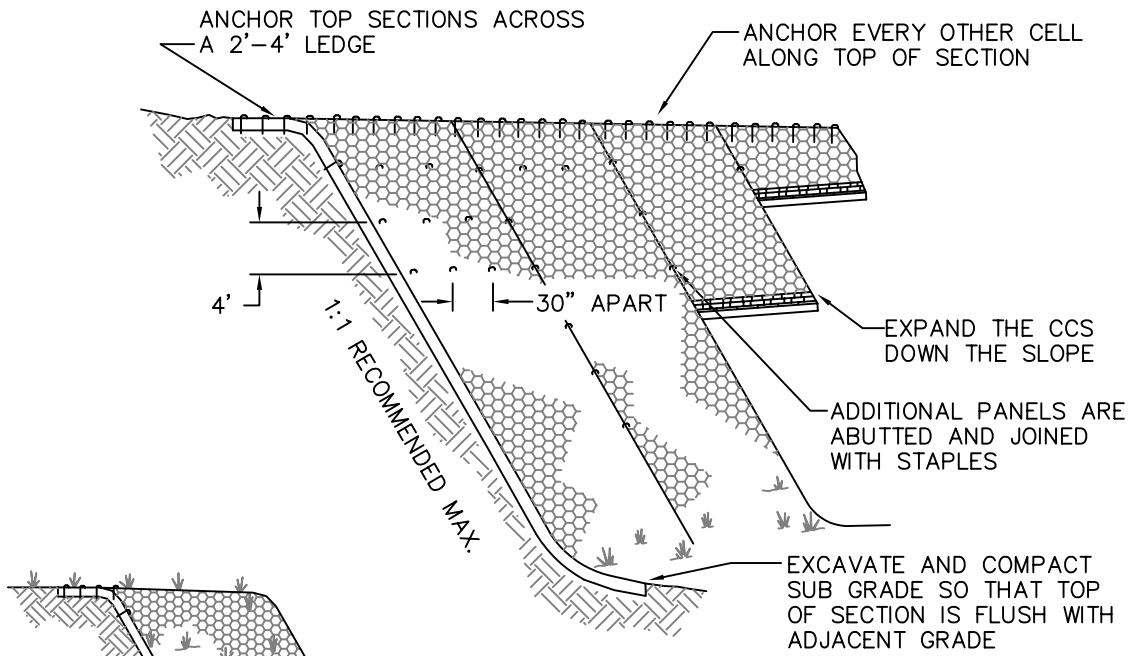
1. REPAIR OR FILLING OF SMALL SLUMPS, SLIPOUTS, AND HEADOUTS.
2. PLANT MATERIAL HARVEST & INSTALLATION SHOULD BE PERFORMED SURRING IT'S DORMANT SEASON.
3. USE SITE APPROPRIATE PLANTS.
4. ALL CUTTINGS SHOULD BE SOAKED FOR A MINIMUM OF 24 HOURS.
5. BRUSHLAYERING USES LIVE PLANT MATERIAL AND MUST BE TREATED AS SUCH.

City of West Jordan, Utah



BRUSH
 LAYERING

PLAN
 5200



OVERFILL TOPSOIL
1"–2" AND LIGHTLY
COMPACT

CCS INFILLED WITH TOPSOIL
AND VEGETATED WITH GRASS

CCS INFILLED WITH
AGGREGATE

OVERFILL WITH LOOSE
GRANULAR MATERIAL
1" AND COMPACT

NOT TO SCALE

NOTES:

1. SURFACE OF SLOPE SHALL BE LEVELED WITH GULLIES FILLED AND WELL COMPACTED.
2. SHAPE AND COMPACT SUB GRADE SURFACES TO DESIGN ELEVATIONS AND GRADES.
3. THE CELLS SHALL BE ANCHORED SECURELY TO PREVENT DISPLACEMENT AND DEFORMATION OF PANELS WHEN BACKFILLING.
4. INFILL FROM CREST OF THE SLOPE TO TOE TO PREVENT DISPLACEMENT. LIMIT DROP HEIGHT TO 3'.

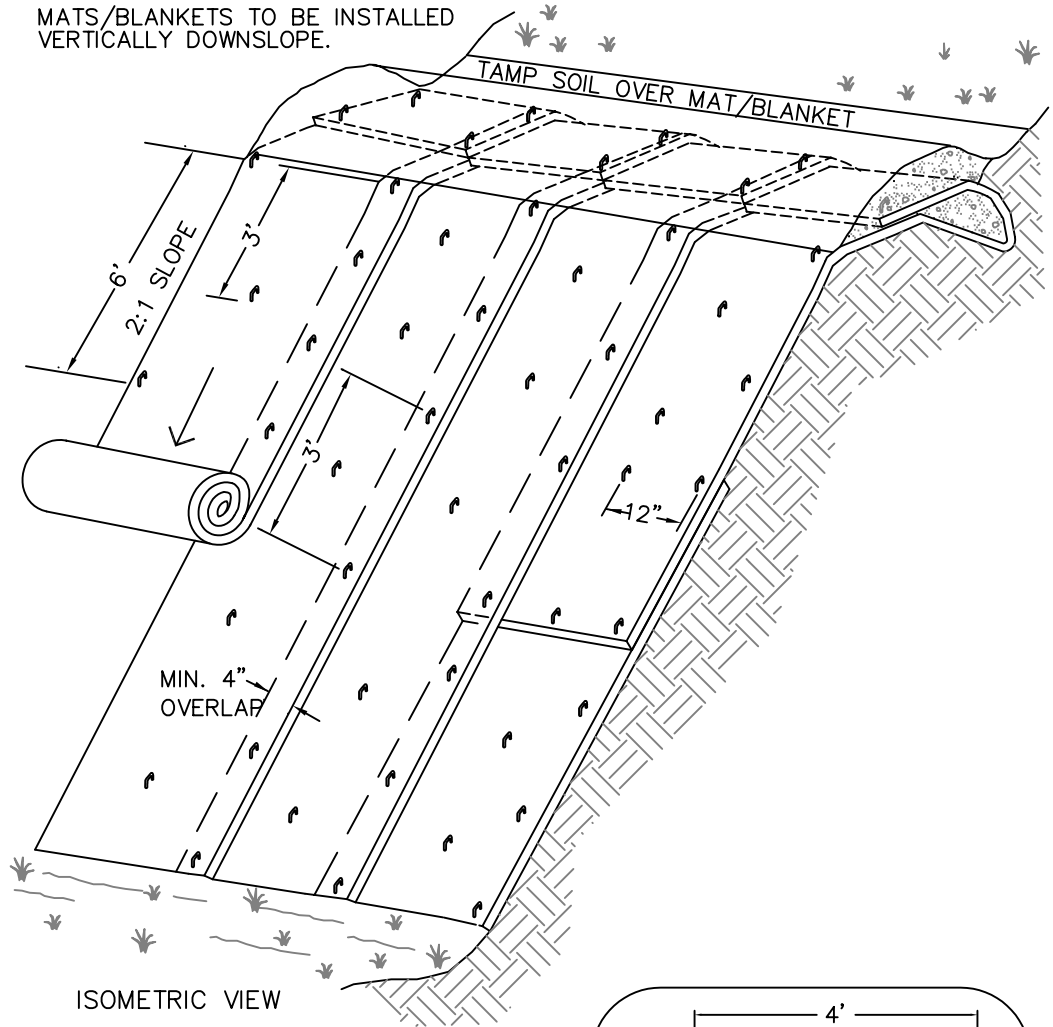
City of West Jordan, Utah



CELLULAR CONFINEMENT
SYSTEM FOR SLOPE
STABILIZATION

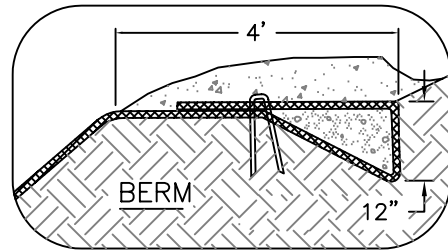
PLAN
5205

MATS/BLANKETS TO BE INSTALLED VERTICALLY DOWNSLOPE.



ISOMETRIC VIEW

TYPICAL SLOPE SOIL STABILIZATION



NOT TO SCALE

NOTES:

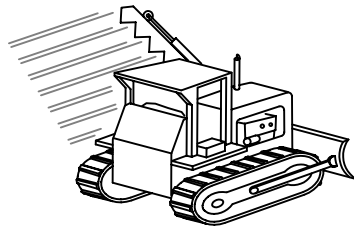
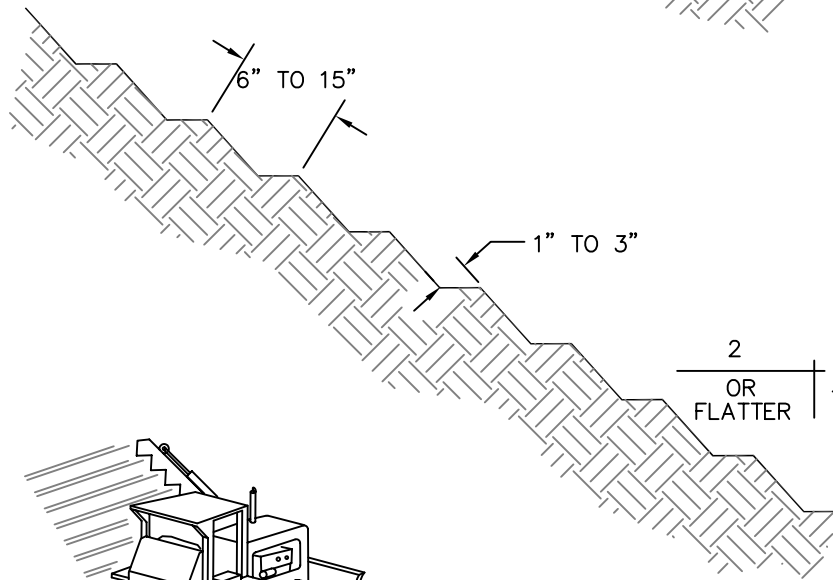
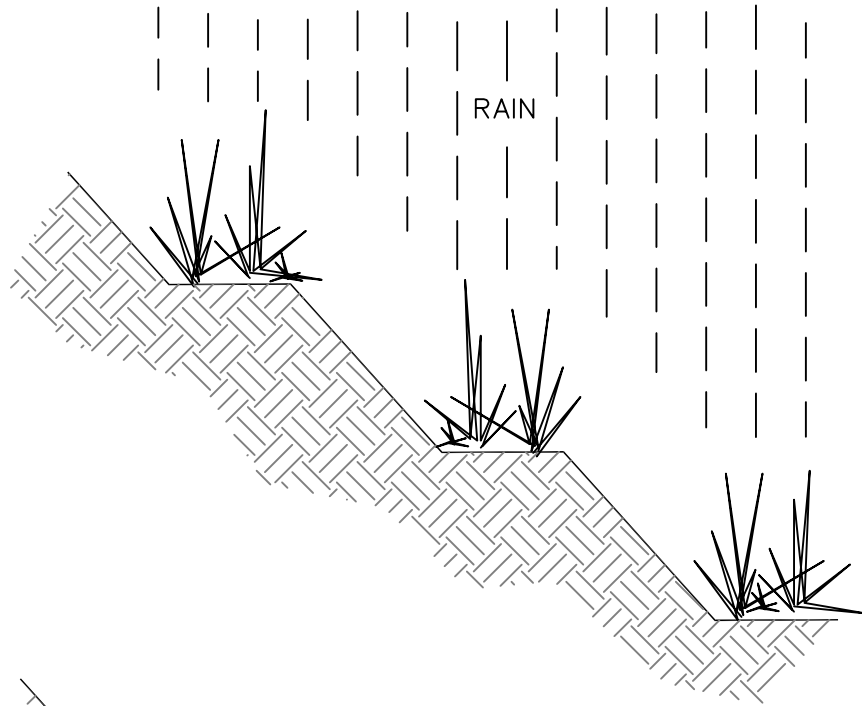
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, SNOW, AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. STAPLES LENGTH TO BE LONG ENOUGH TO BE EMBEDDED INTO UNDISTURBED SOIL.

City of West Jordan, Utah



EROSION BLANKETS &
TURF REINFORCEMENT MATS
SLOPE INSTALLATION

PLAN
5210



NOTE:
TO BE USED ON
SLOPE 4:1 & GREATER

NOT TO SCALE

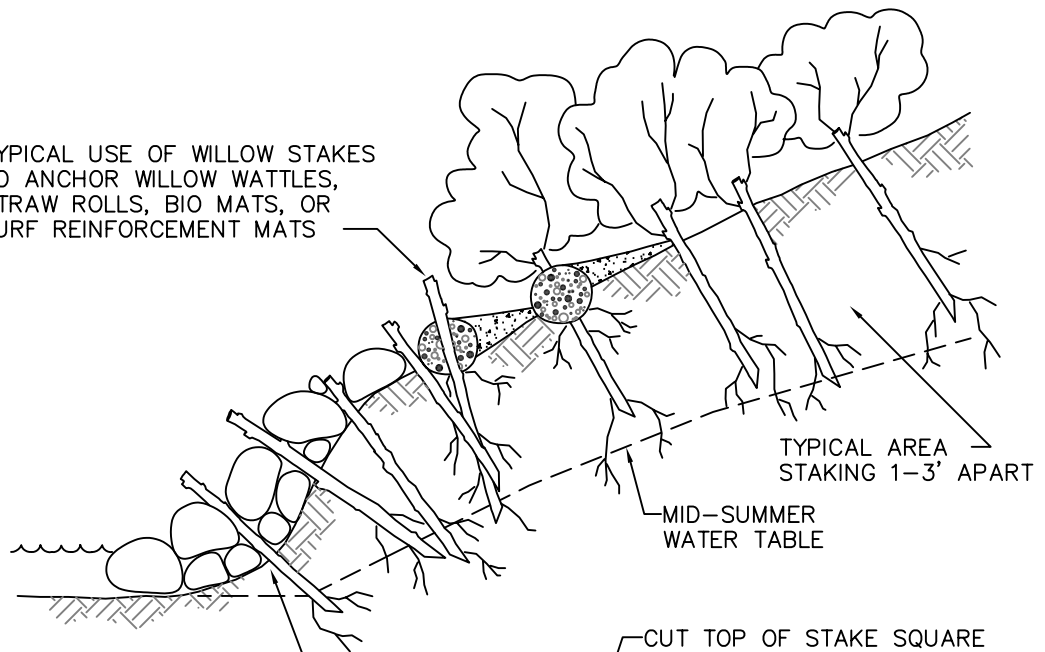
City of West Jordan, Utah



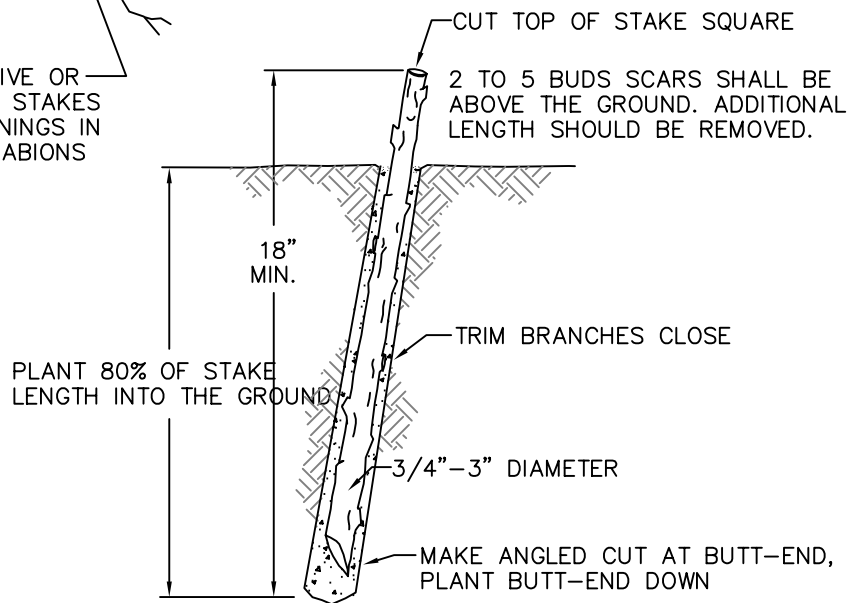
GROOVED OR
SERRATED SLOPE

PLAN
5215

TYPICAL USE OF WILLOW STAKES TO ANCHOR WILLOW WATTLES, STRAW ROLLS, BIO MATS, OR TURF REINFORCEMENT MATS



TYPICAL - DRIVE OR PLANT WILLOW STAKES THROUGH OPENINGS IN RIP RAP OR GABIONS



NOTES:

1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
2. USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST 1 YEAR OLD.
3. MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION, USE A PILOT BAR IN FIRM SOILS.
4. SOAK CUTTINGS FOR 24 HOURS (MIN.) PRIOR TO INSTALLATION.
5. TAMP THE SOIL AROUND THE STAKE.
6. PLANTING MATERIAL SHOULD BE APPROPRIATE TO THE SITE AND TO BE APPROVED BY THE CITY OF WEST JORDAN
7. STREAM BANK ONLY

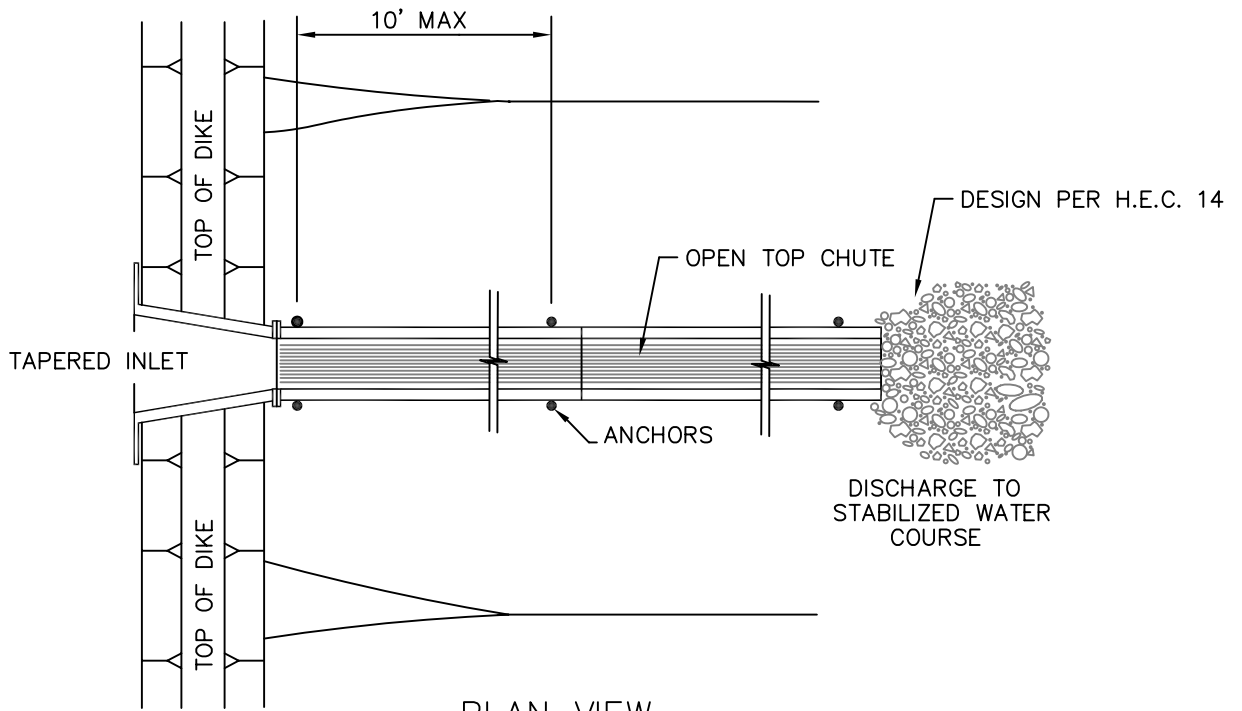
NOT TO SCALE

City of West Jordan, Utah

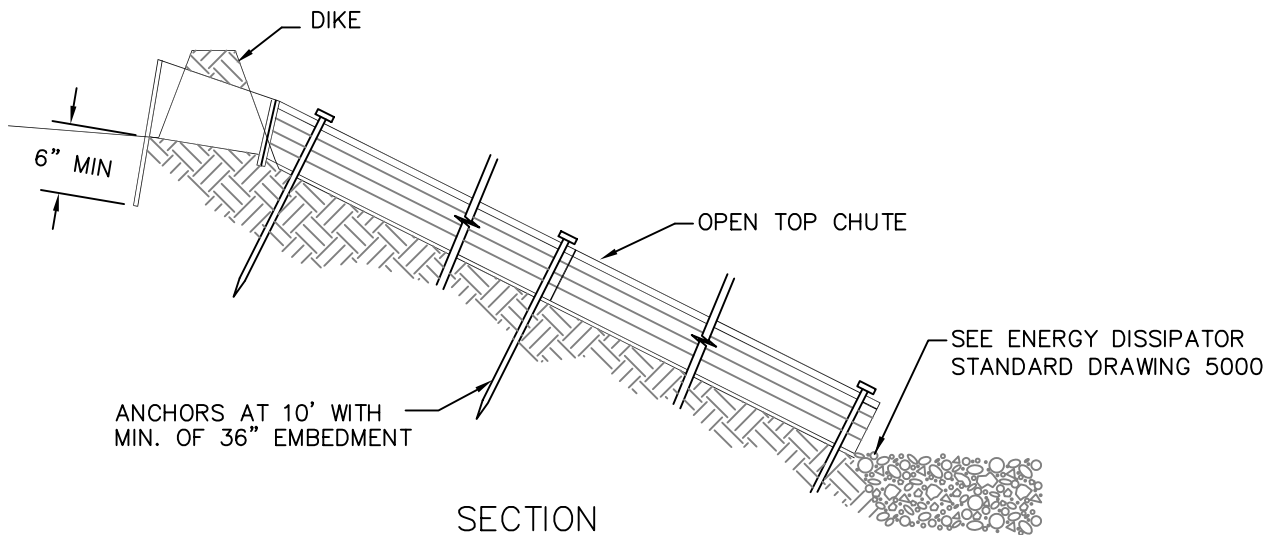


LIVE STAKING

PLAN
5220



PLAN VIEW



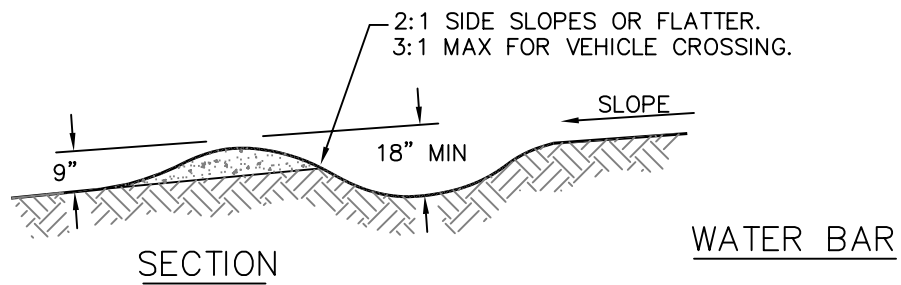
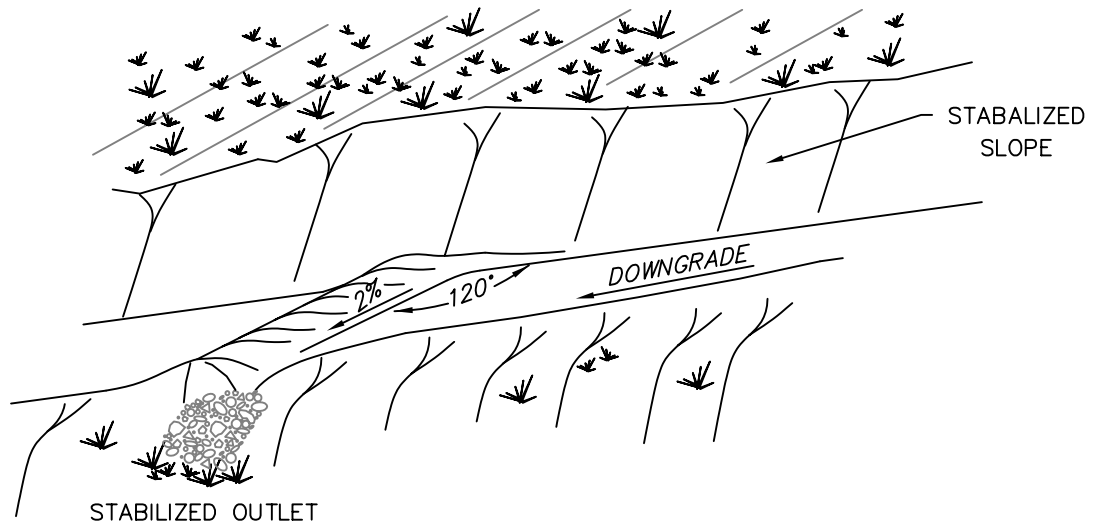
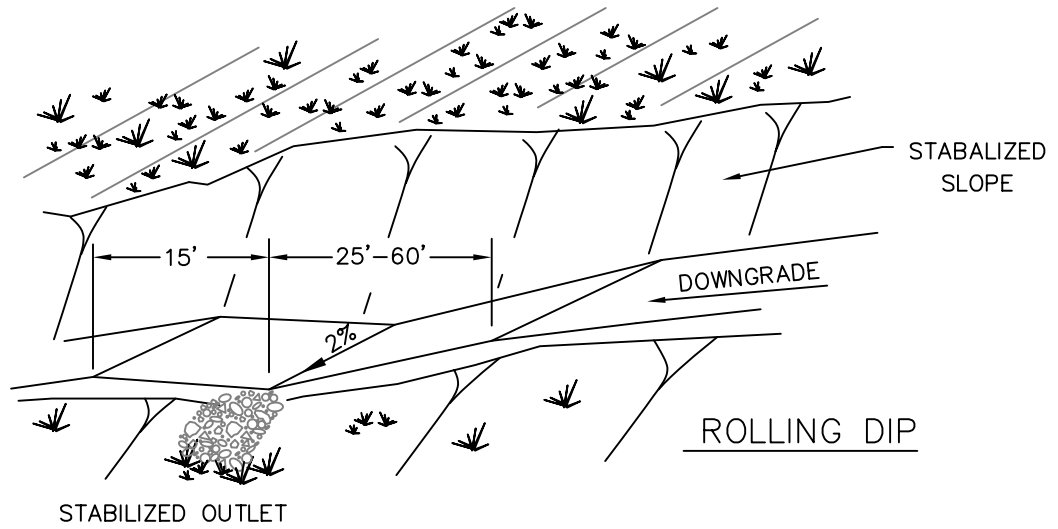
SECTION

City of West Jordan, Utah



OVER SIDEDRAIN

PLAN
5225



NOTES:

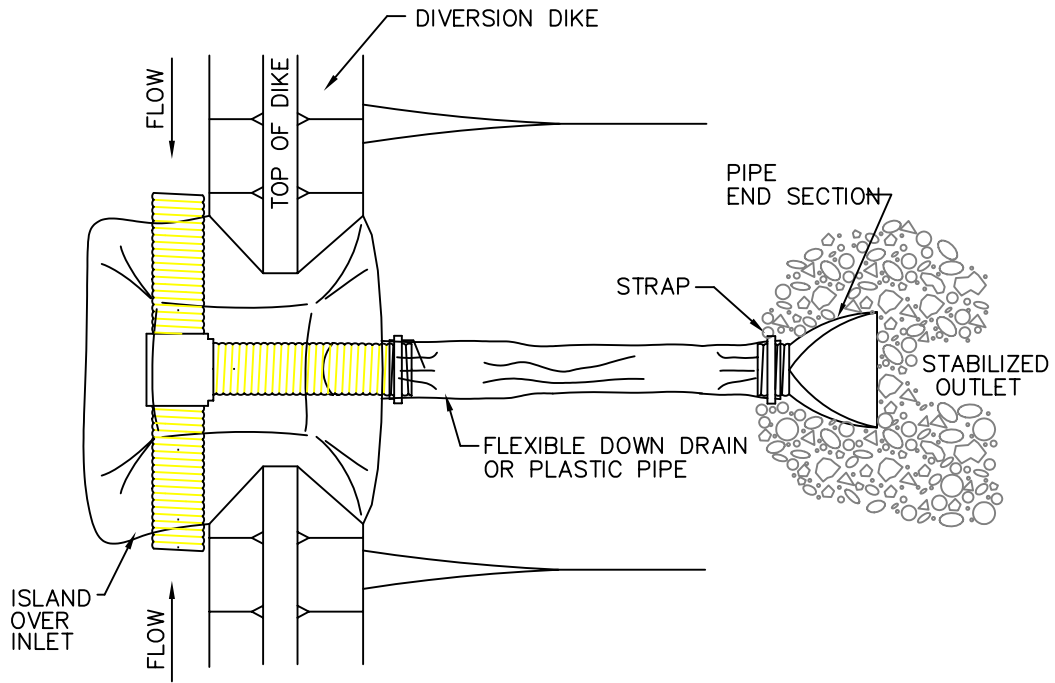
1. SPACING TO BE CALCULATED BASED ON CONTRIBUTING AREA.
2. STABILIZE GRADE SURFACE SUCH THAT RUNOFF WILL REMAIN ON GRADE SURFACE.
3. SOIL TO BE STABILIZED WITH APPROVED VEGETATION.
4. NEVER OUTLET WATER BARS OR ROLLING DIPS ONTO UNPROTECTED FILL SLOPES

City of West Jordan, Utah

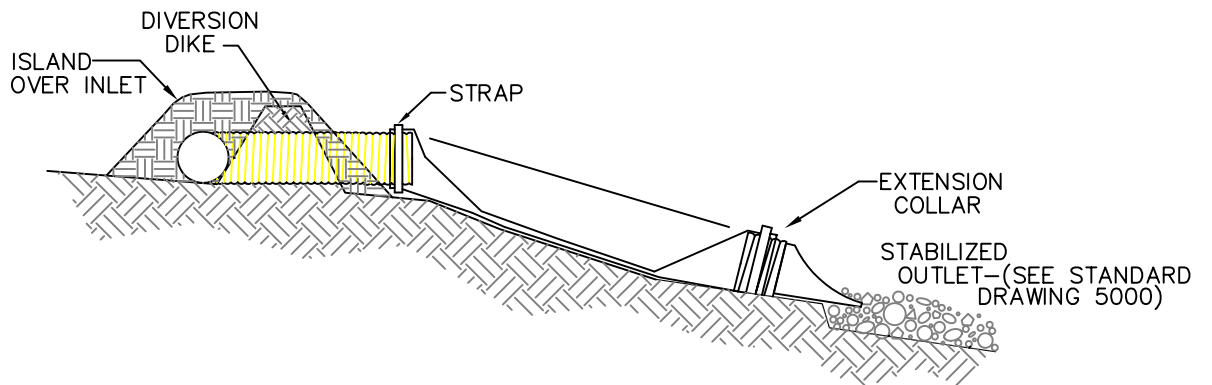


ROLLING DIP
AND WATERBAR

PLAN
5230



PLAN VIEW



SECTION

NOTES:

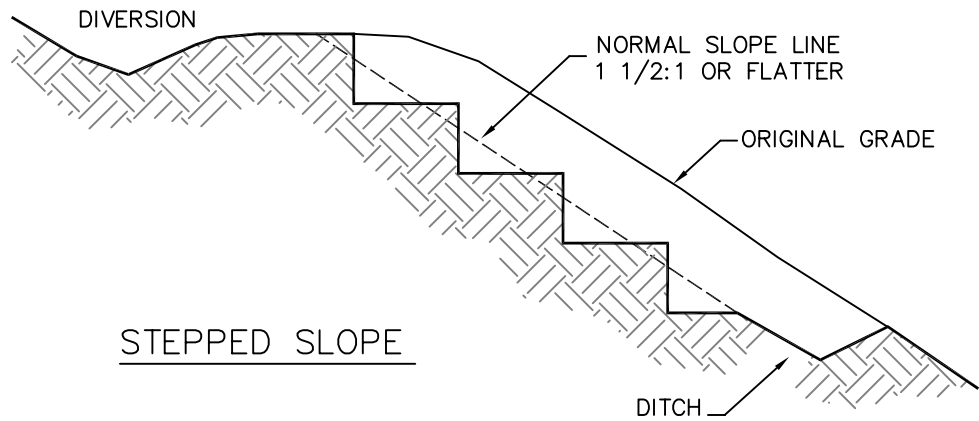
1. ENTRANCE SECTION SHALL BE WELL ENTRENCHED AND STABLE
2. DRAIN SHOULD EXTEND DOWNSLOPE BEYOND THE TOE OF THE SLOPE TO A STABLE AREA OR APPROPRIATELY STABILIZED OUTLET.

City of West Jordan, Utah

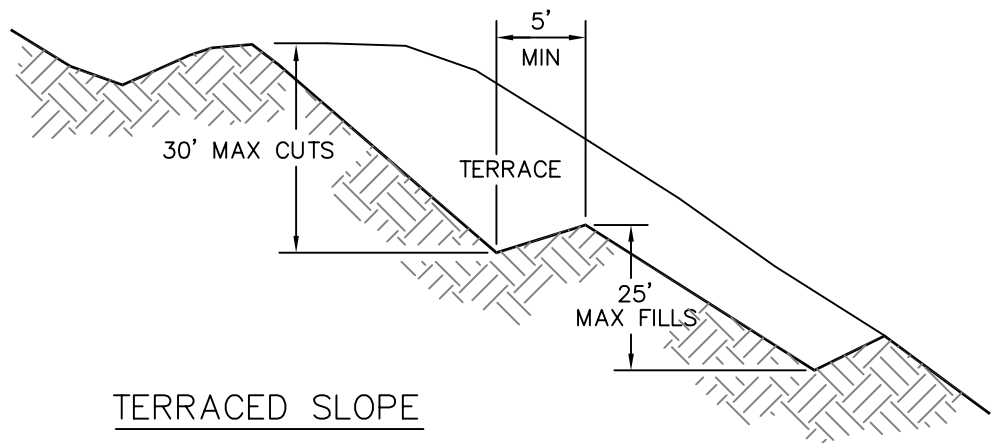


SLOPE DRAIN

PLAN
5235



STEPPED SLOPE



TERRACED SLOPE

NOT TO SCALE

NOTES:

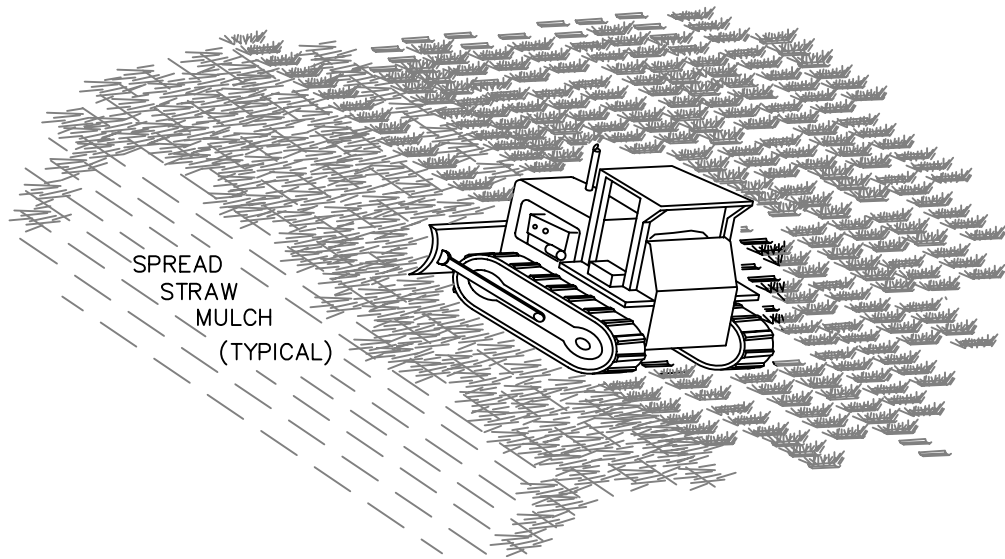
1. VERTICAL CUT DISTANCE SHALL BE LESS THAN HORIZONTAL DISTANCE.
2. VERTICAL CUT SHALL NOT EXCEED 2 FT. IN SOFT MATERIAL AND 3 FT. IN ROCKY MATERIAL.

City of West Jordan, Utah



STEPPED OR
TERRACED SLOPE

PLAN
5240



STRAW ANCHORING

NOTES:

1. ROUGHEN SLOPE WITH BULLDOZER
2. BROADCAST SEED AND FERTILIZER.
3. SPREAD STRAW TO COVER SOIL WITH APPROXIMATELY 30% COVERAGE
4. APPLY STRAW TO SLOPE SUCH THAT COVERAGE CAN NOT BE REDUCED BY NATURAL ELEMENTS SUCH AS PRECIPITATION OR WIND.
5. CRIMP STRAW WITH AN APPROVED CRIMPER IN STAGES TO COVER APPROXIMATELY 30% COVERAGE.
6. REPEAT STEPS 3 & 4 UNTIL TOTAL STRAW TONAGE IS APPLIED

City of West Jordan, Utah



STRAW
ANCHORING

PLAN
5245

BIOLOGS ROLLS MUST BE PLACED ALONG SLOPE CONTOURS

ADJACENT ROLLS SHALL TIGHTLY ABUT

SPACING DEPENDS ON SOIL TYPE AND SLOPE STEEPNESS

SEDIMENT, ORGANIC MATTER, AND NATIVE SEEDS ARE CAPTURED BEHIND THE ROLLS.

LIVE STAKE

1" X 1" STAKE

NOT TO SCALE

NOTE:

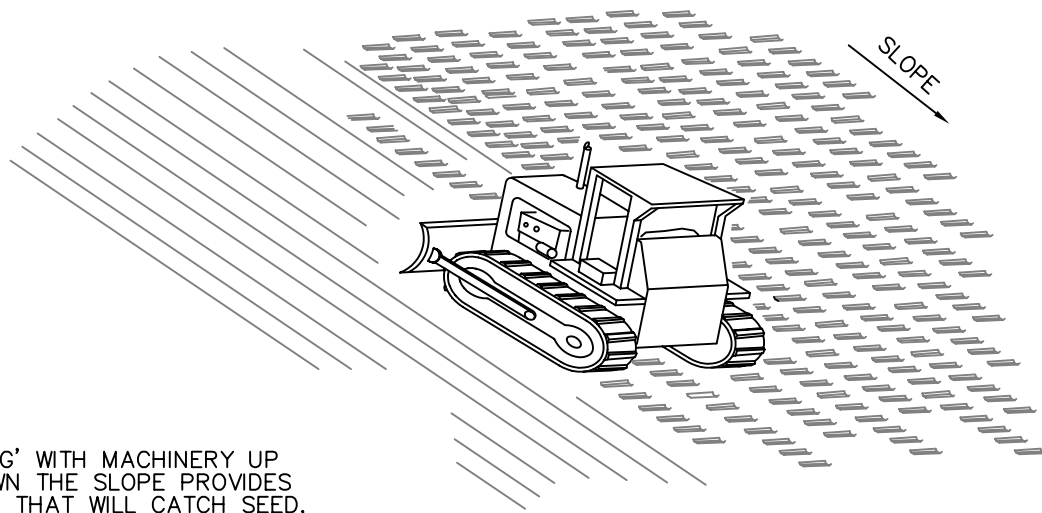
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. SPACING TO BE CALCULATED USING THE SOIL TOLERANCE FACTOR "T"

City of West Jordan, Utah



BIOLOG ROLLS

PLAN 5250



'TRACKING' WITH MACHINERY UP AND DOWN THE SLOPE PROVIDES GROOVES THAT WILL CATCH SEED, RAINFALL AND REDUCE RUNOFF.

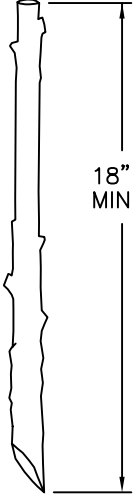
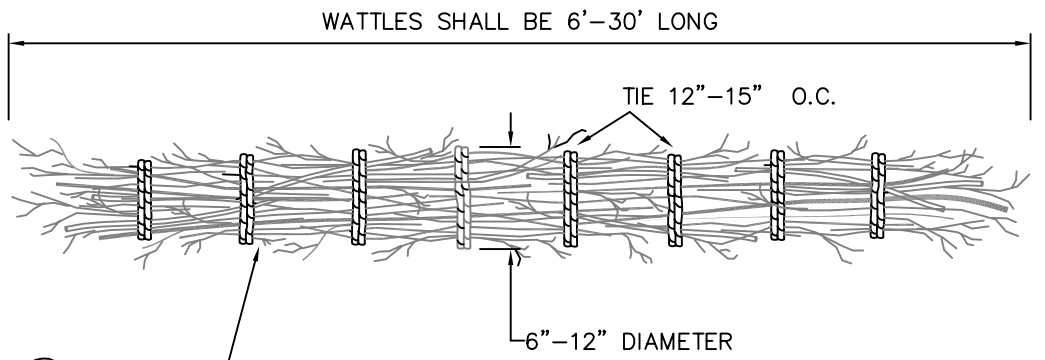
TRACKING

City of West Jordan, Utah



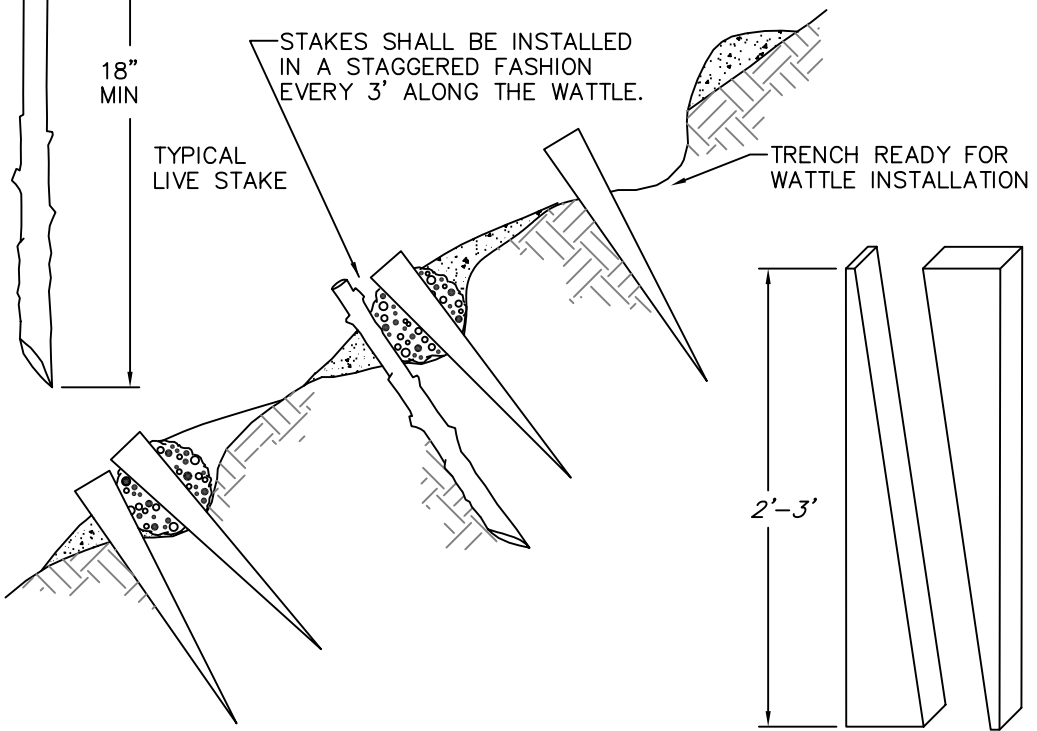
SURFACE
ROUGHENING

PLAN
5255



PREPARE WATTLES WITH 1/4"-1 1/2" CUTTINGS, WITH ALTERNATING BUTT-ENDS AND TIED SECURELY WITH TWINE OR ROPE.

STAKES SHALL BE INSTALLED IN A STAGGERED FASHION EVERY 3' ALONG THE WATTLE.



TYPICAL CONSTRUCTION STAKE
SAW 2X4 LUMBER ON DIAGONAL

NOT TO SCALE

NOTES:

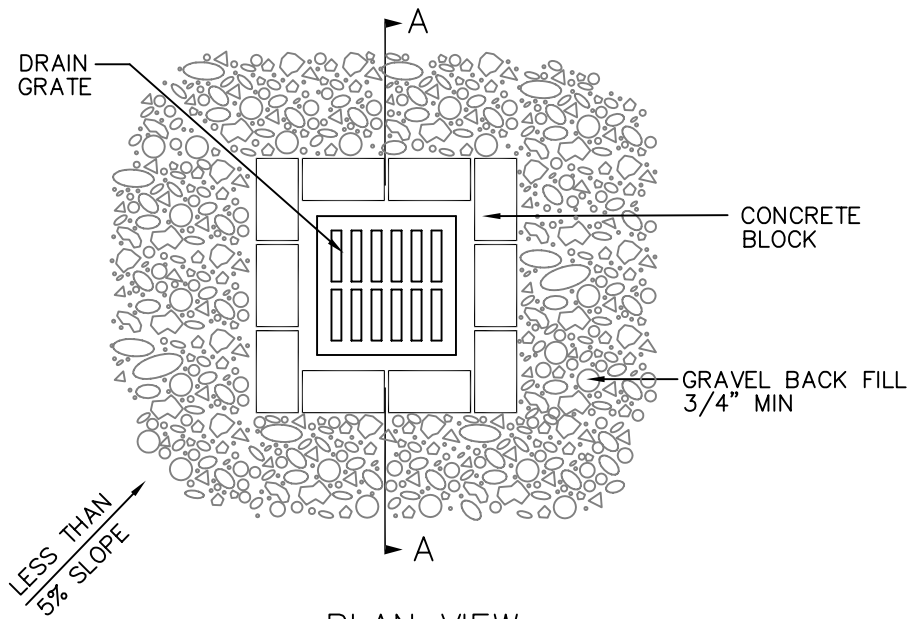
1. HARVEST AND INSTALL WATTLES DURING DORMANT SEASON.
2. INSTALL WATTLES ON SLOPE CONTOURS.
3. ALL WORK PROCEEDS FROM THE BOTTOM OF THE SLOPE TO THE TOP.
4. FILL OR PARTIALLY COVER WATTLE WITH SOIL FROM SLOPE OR TRENCH ABOVE.
5. COMPACT AND WORK SOIL INTO COMPLETED WATTLES.
6. CHOOSE PLANT MATERIALS APPROPRIATE FOR THE SITE
7. ALL CUTTINGS SHOULD BE SOADKED FOR A MINIMUM OF 24 HOURS.

City of West Jordan, Utah

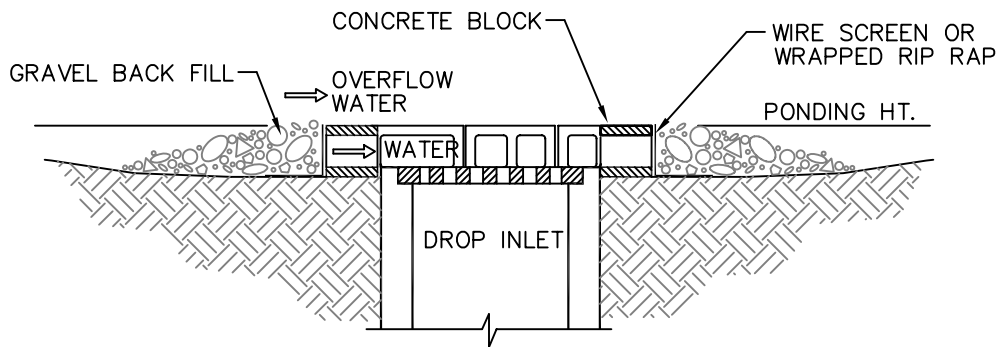


SLOPE
WATTLE
(LIVE FASCINE)

PLAN
5260



PLAN VIEW



SECTION A - A

NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.
4. INSTALL FABRIC ON TOP OF GRATE.

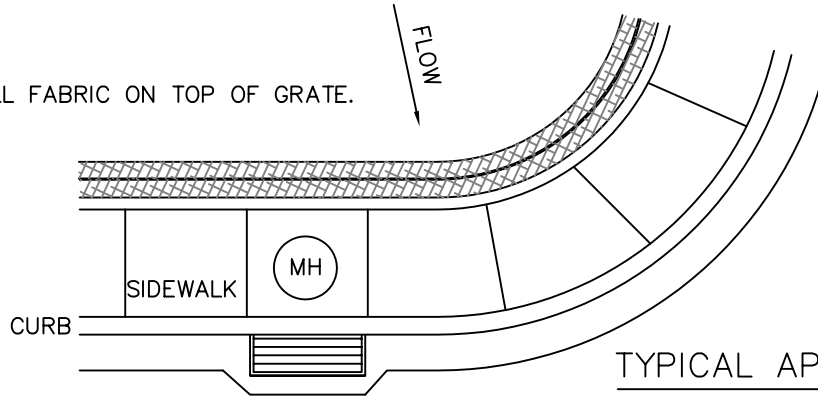
City of West Jordan, Utah



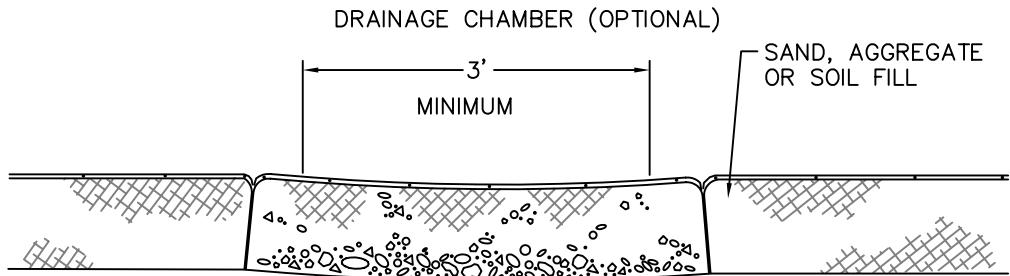
BLOCK AND GRAVEL DROP
INLET SEDIMENT BARRIER

PLAN
5300

INSTALL FABRIC ON TOP OF GRATE.

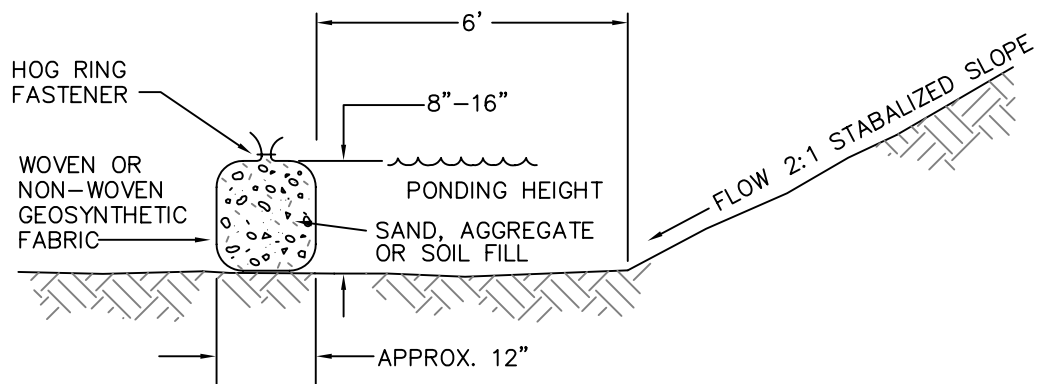


TYPICAL APPLICATION
PERIMETER SEDIMENT BARRIER



LOCATE DRAINAGE CHAMBER
AT LOW SPOT FOR ADEQUATE
DRAINAGE OF PONDED STORM WATER

FRONT VIEW



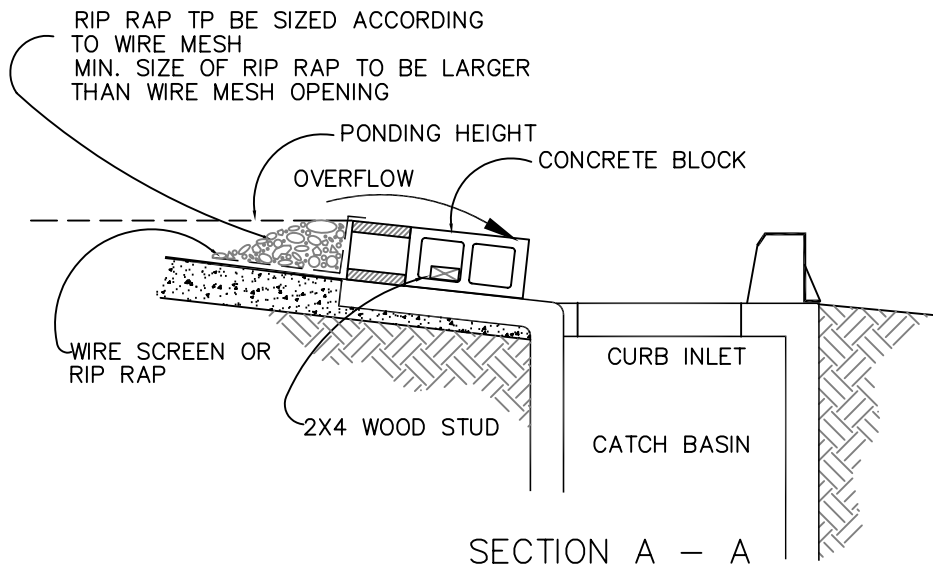
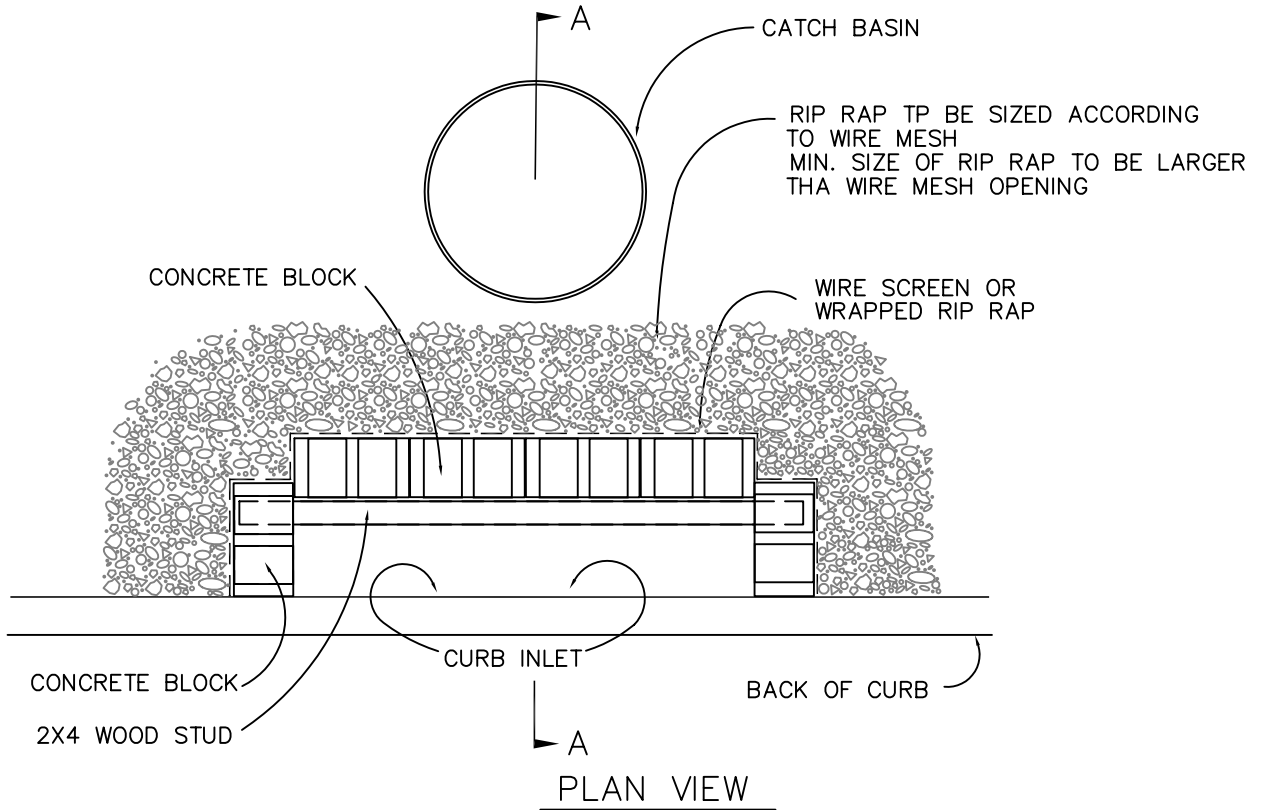
SIDE VIEW

City of West Jordan, Utah



CONTINUOUS
BERM

PLAN
5305



NOTES:

1. USE BLOCK AND GRAVEL TYPE SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET SEGMENT, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

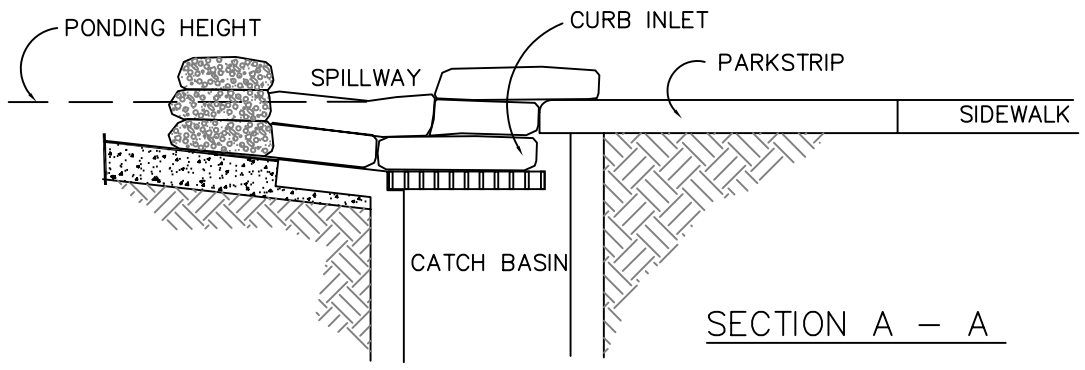
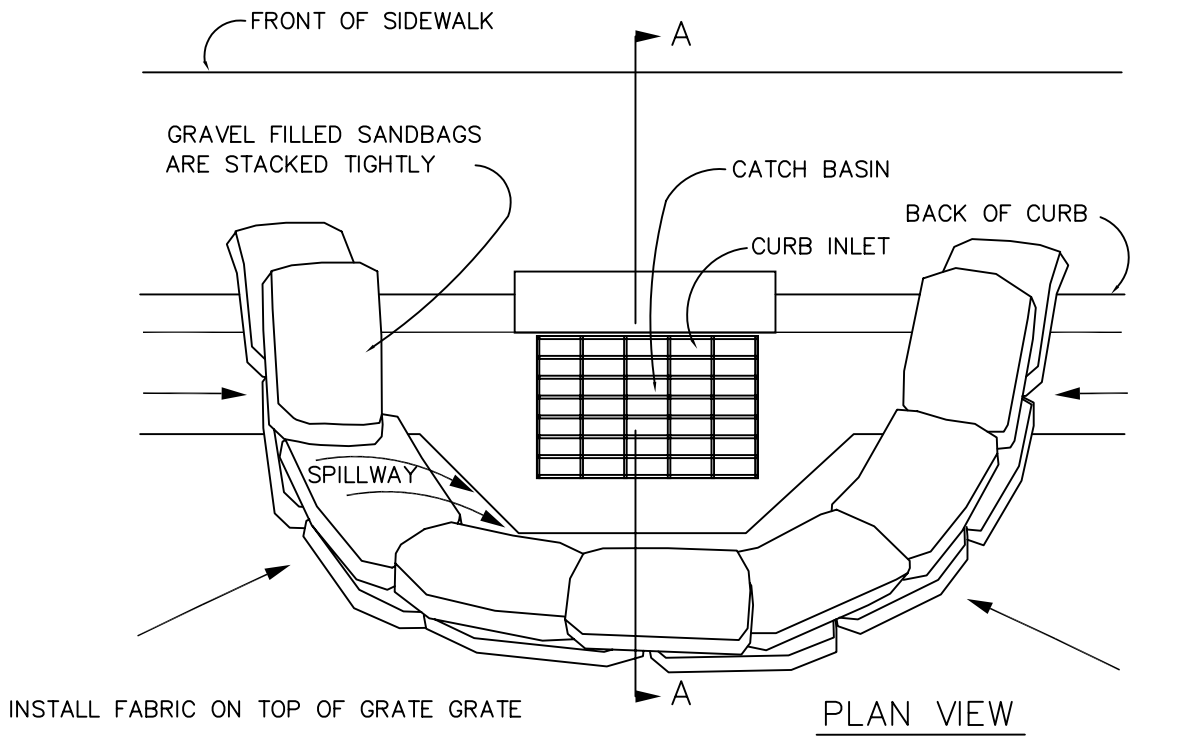
City of West Jordan, Utah



CURB INLET
SEDIMENT BARRIER
(BLOCK & GRAVEL)

PLAN

5315



NOTES:

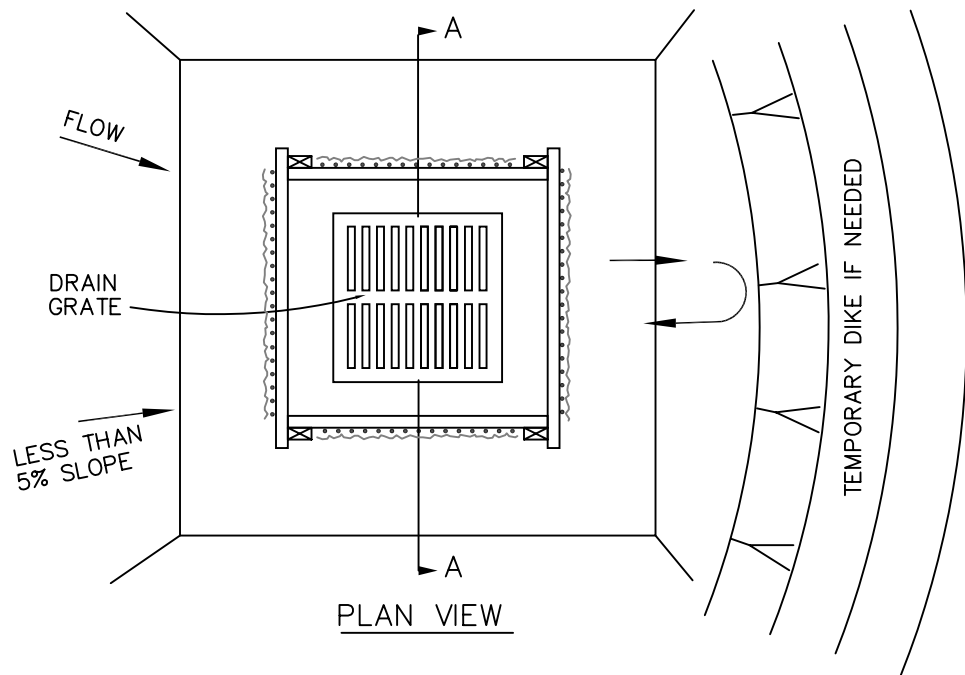
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

City of West Jordan, Utah

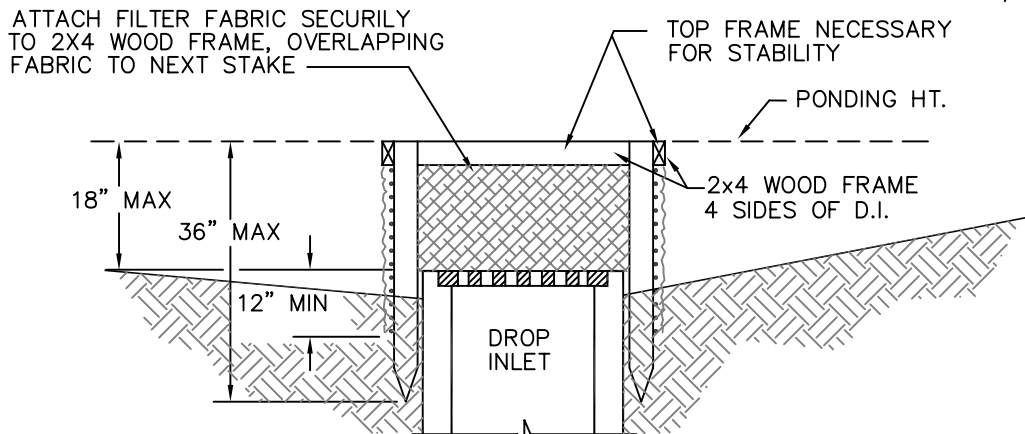


CURB INLET
SEDIMENT BARRIER
(SANDBAGS)

PLAN
5320



PLAN VIEW



SECTION A-A

NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2"x4" WOOD OR EQUIVALENT METAL STAKES, 3' MINIMUM LENGTH.
3. INSTALL 2"x4" WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

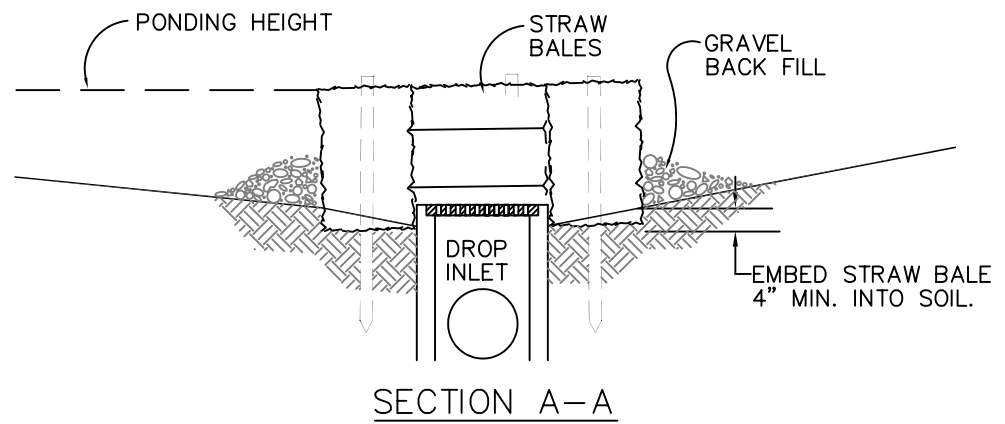
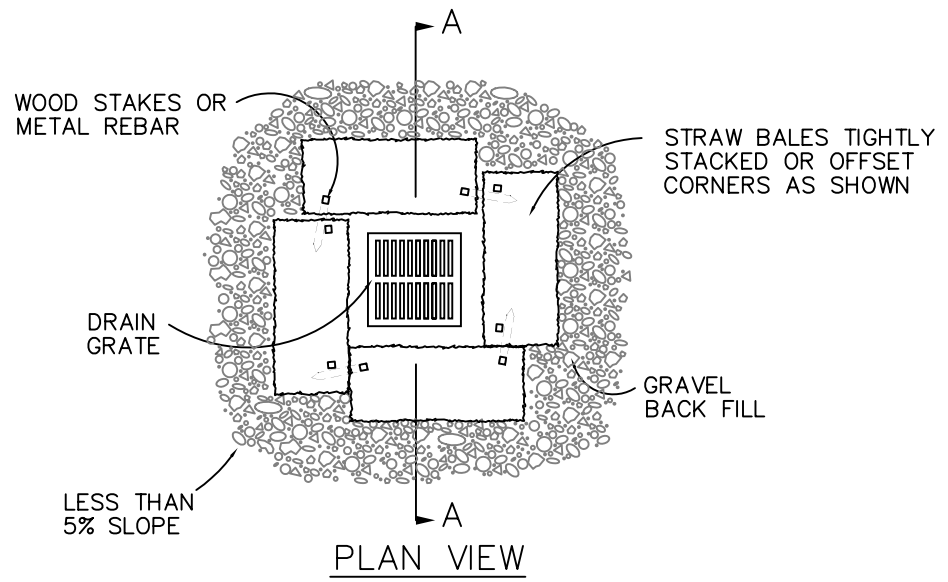
NOT TO SCALE

City of West Jordan, Utah



SILT FENCE
DROP INLET
SEDIMENT BARRIER

PLAN
5325



NOTES:

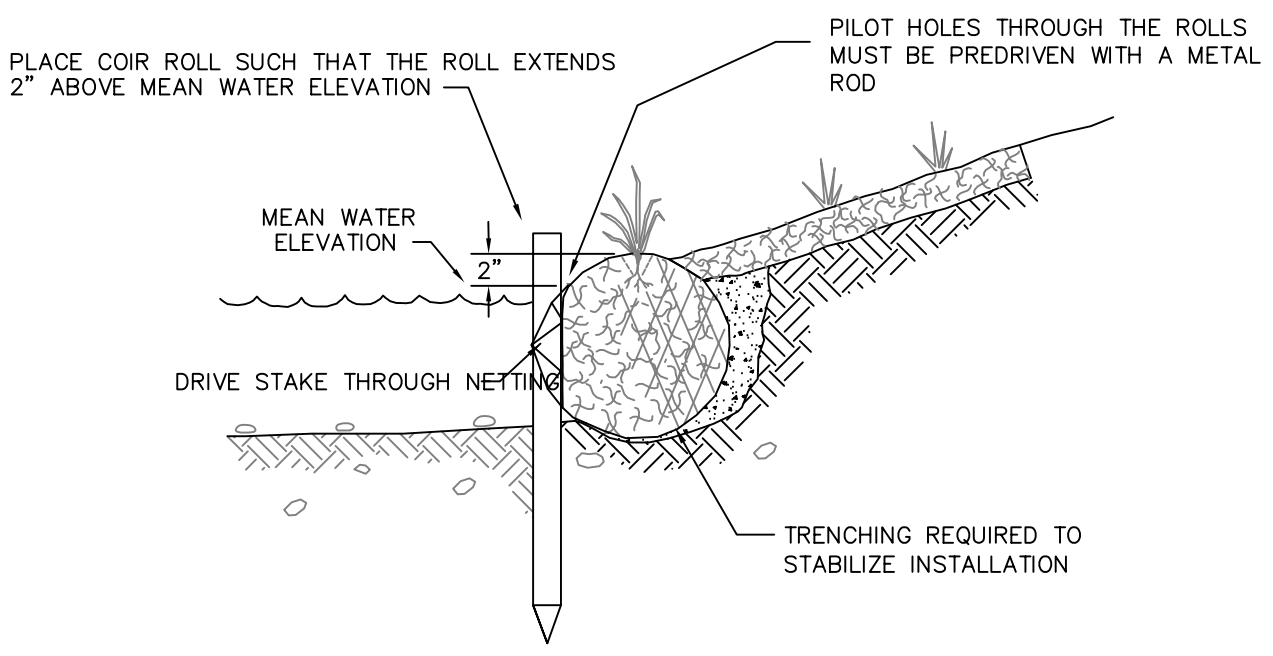
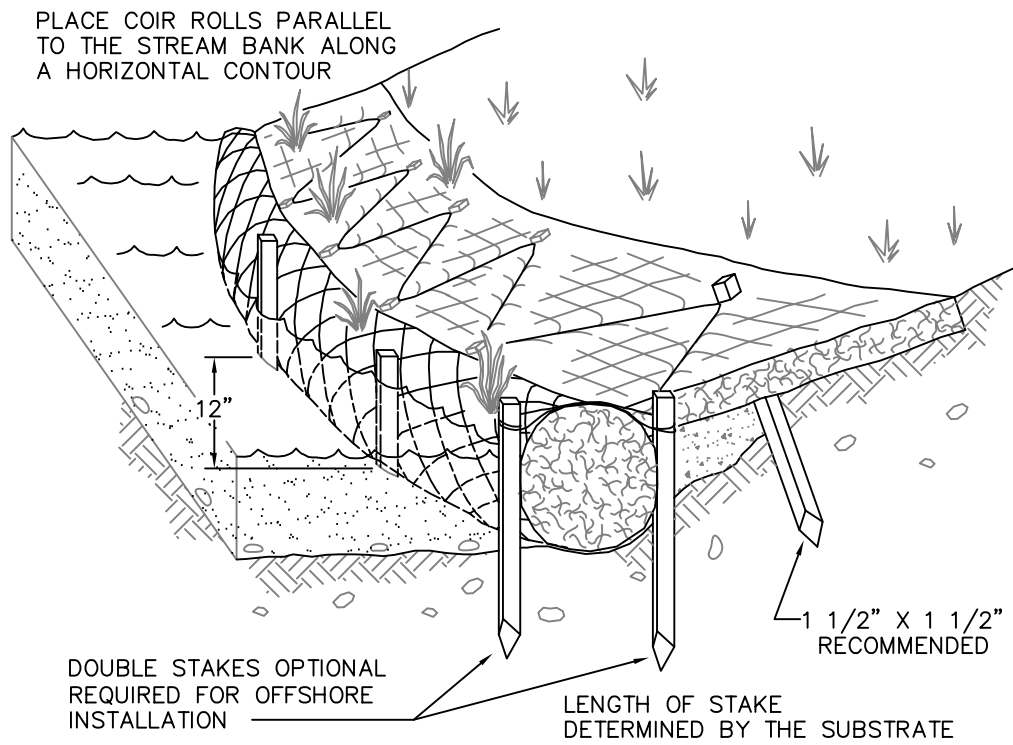
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. EMBED THE BALES 4" INTO THE SOIL AND OFFSET CORNERS OR PLACE BALES WITH ENDS TIGHTLY ABUTING. GRAVEL BACK FILL WILL PREVENT EROSION OR FLOW AROUND THE BALES.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWN SLOPE OF THE STRUCTURE MAY BE NECESSARY.
4. ALL LOOSE STRAW DEBRIS MUST BE CLEARED UP ON A REGULAR BASIS

City of West Jordan, Utah



STRAW BALE/GRAVEL
DROP INLET
SEDIMENT BARRIER

PLAN
5330

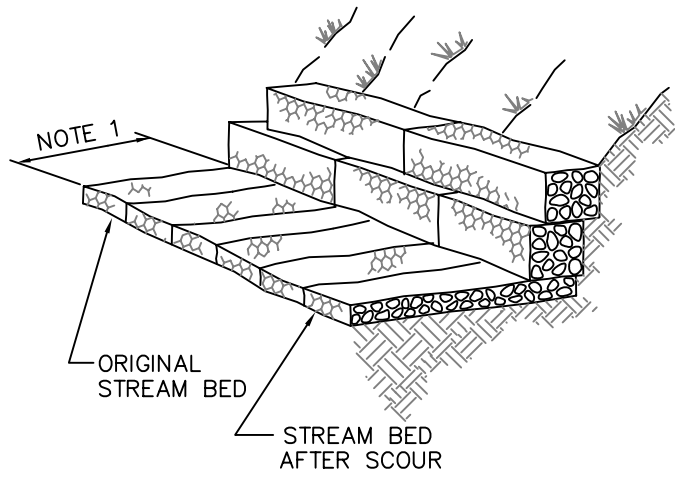


City of West Jordan, Utah

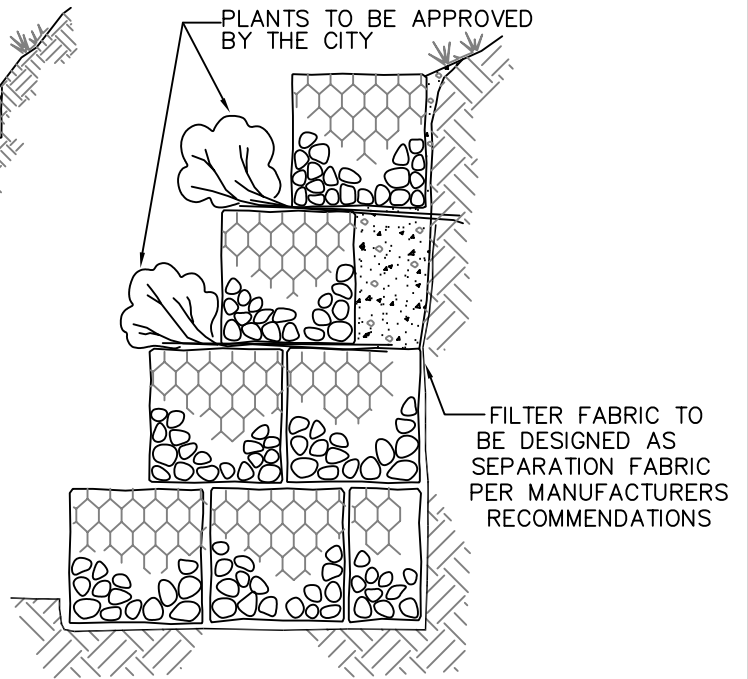


COIR ROLL/COIR MATS

PLAN
5400

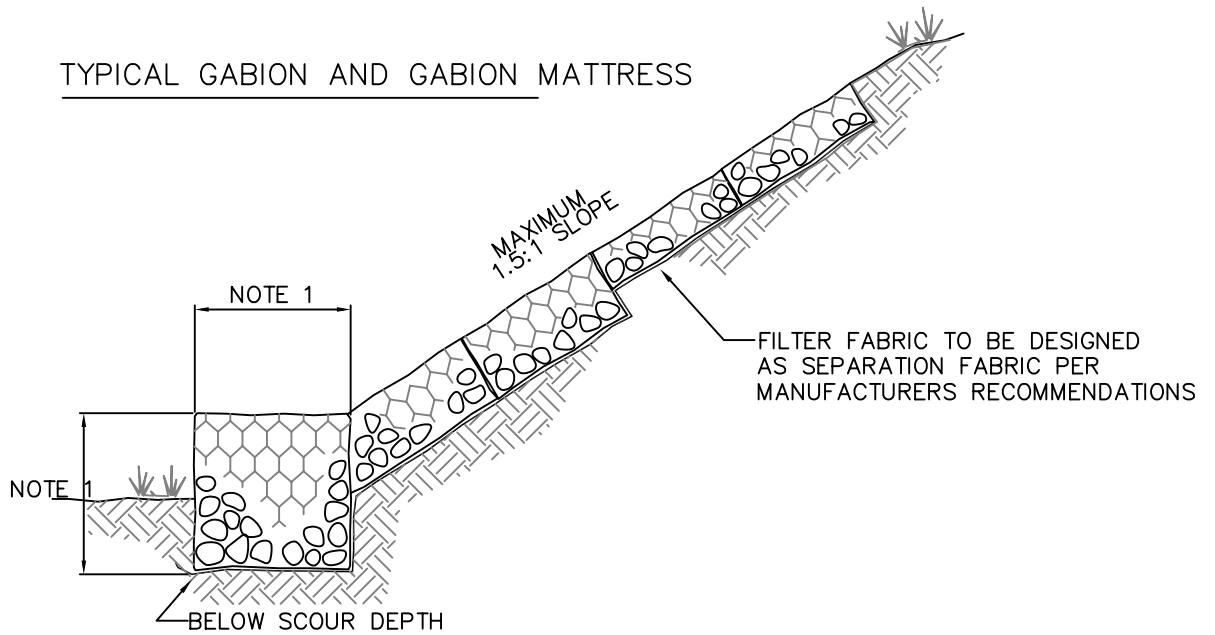


1/2 GABION CHANNEL



TYPICAL VEGETATED ROCK GABION

TYPICAL GABION AND GABION MATTRESS



NOTES:

1. TO BE DESIGNED PER H.E.C. 11
2. BASKET FASTENERS & BASKET MATERIAL TO BE APPROVED BY THE CITY

City of West Jordan, Utah



GABIONS

PLAN
5405