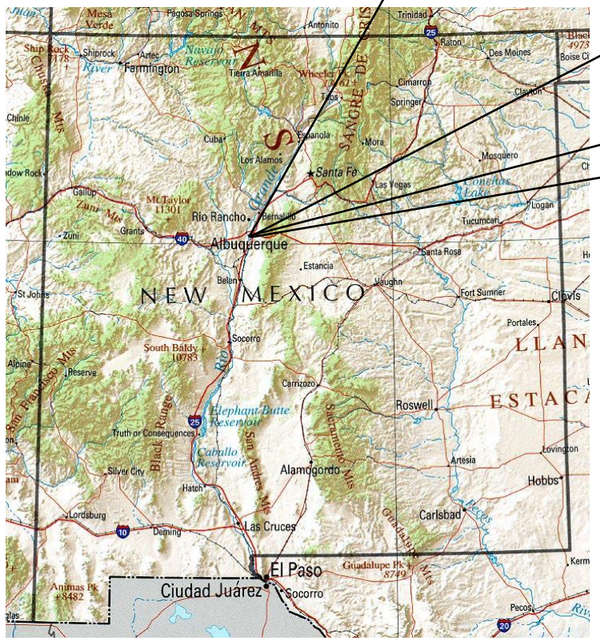
ASCENSION SUBDIVISION

TEMPORARY SEDIMENT AND EROSION CONTROL DRAWINGS

ALBUQUERQUE, BERNALILLO COUNTY, NM



CERTIFIED PROFESSIONAL IN STORM WATER QUALITY
CPSWQ
Kelley Vincent Fetter
No. 0682

KELLEY VINCENT FETTER
NEW MEXICO
13450
REGISTERED PROFESSIONAL ENGINEER
5/28/20

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CERTIFIED PROFESSIONAL IN STORM WATER QUALITY CPSWQ

#	REVISION ITEM	DATE

GAMMA DEVELOPMENT, LLC
ASCENSION SUBDIVISION
ALBUQUERQUE, NM

DESIGNED BY:
KELLEY FETTER

DRAWN BY:
CHLOE FETTER PINNEY

SHEET:
COVER

GENERAL NOTES

THE NPDES COMPLIANCE SWPPP DRAIWING AND ASSOCITAED DOCUMENTATION IS AND SHALL BE CONSIDERED A LIVING DOCUMENT ALLOWING FOR MODIFICATIONS AS SITE CONDITIONS CHANGE OR DICTATE.

ALL SITE FEATURES (EXISTING/PROPOSED GRADES, EXISTING CONSTRUCTION, FUTURE CONSTRUCTION, ETC.) SHOWN IS PER INFORMATION FROM OTHERS.

MINIMUM REQUIREMENTS TO FURTHER DEVELOP OR MODIFY THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DRAWING SHALL BE BASED ON THE CURRENT EDITION OF THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (NMSHTD), NPDES LAW AND CITY OF ALBUQUERQUE ORDINANCE § 14-5-2-11.

ALL OPERATORS SHALL SUBMIT A NOTICE OF INTENT (NOI). THE NOI SHALL BE ACTIVE AND POSTED ON THE EPA'S WEBSITE PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES.

LOCATE TEMPORARY WASHOUT, ANCHORED TOILETS, CONSTRUCTION ENTRANCE AND PARKING, STAGING, REFUELING, TRASH CONTAINMENT AREA TO MINIMIZE SITE DISTURBANCE DURING CONSTRUCTION ACTIVITY.

THE OPERATOR IS REQUIRED TO REGULARLY PERFORM STREET SWEEPING AND CLEAN - UP MEASURES IN THE EVENT OF SEDIMENT TRACK - OUT.

ALL EROSION AND SEDIMENT CONTROL (ESC) WORK ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON SHALL BE PERMITTED, CONSTRUCTED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH:

THE CITY ORDINANCE § 14-5-2-11, THE ESC ORDINANCE;
THE EPA'S 2017 CONSTRUCTION GENERAL PERMIT (CGP);

ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO BEGINNING ANY EARTH MOVING ACTIVITIES EXCEPT AS SPECIFIED HEREON IN THE PHASING PLAN. CONSTRUCTION OF EARTHEN BMPS SUCH AS SEDIMENT TRAPS, SEDIMENT BASINS, AND DIVERSION BERMS SHALL BE COMPLETED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION OR EARTHWORK.
SELF-INSPECTION IS REQUIRED AFTER INSTALLATION OF THE BMPS AND PRIOR TO BEGINNING CONSTRUCTION.

AT A MINIMUM A ROUTINE COMPLIANCE SELF-INSPECTION IS REQUIRED TO REVIEW THE PROJECT FOR COMPLIANCE WITH THE CONSTRUCTION GENERAL PERMIT ONCE EVERY 14 DAYS AND AFTER ANY PRECIPITATION EVEN OF 1/4 INCH OR GREATER UNTIL THE SITE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE DETERMINED AS STABILIZED BY THE CITY OF ALBUQUERQUE. REPORTS OF THESE INSPECTIONS SHALL BE KEPT BY THE PERSON OR ENTITY AUTHORIZED TO DIRECT THE CONSTRUCTION ACTIVITIES ON THE SITE. INSPECTION REPORTS SHALL BE KEPT ELECTRONICALLY OR HARD COPY.

BMPS SHALL BE INSPECTED AND MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED. UNLESS OTHERWISE SPECIFIED, NATIVE GRASS SEEDING AND MULCH PER COA STD 1012 IS REQUIRED FOR FINAL STABILIZATION PRIOR TO REMOVAL OF BMPS AND DISCONTINUATION OF INSPECTIONS.

PROJECT DETAILS

NPDES ID: NMR1002JR AND NMR10030E

ADDRESS: 8820 HORIZON BLVD., ALBUQUERQUE, NM

GPS COORDINATE: 35.189731, -106.601514

DISTURBED ACREAGE: INFRASTRUCTURE - 7.75 ACRES, VERTICAL - 5.14 ACRES

RECEIVING WATERS: INTERMITTENT STREAMBED/RIVERINE, 0.00 MILES FROM THE PROJECT. NORTH DIVERSION CHANNEL, 0.02 MILES FROM THE PROJECT.

IMPAIRED/TIERED WATERS: N/A

ENDANGERED SPECIES: YELLOW-BILLED CUCKOO, 1.19 MILES FROM THE PROJECT. RIO GRANDE SILVERY MINNOW, 1.66 MILES FROM THE PROJECT.

HISTORIC PRESERVATION: HISTORIC PROPERTIES ARE NOT PRESENT.

FINAL STABLIZATION TYPE: ASPHALT PAVING, SIDEWALKS, CURBS, GUTTERS AND VERTICAL STRUCTURES.

REGULATING AUTHORITY: ENVIRONMENTAL PROTECTION AGENCY (EPA)

REGULATING PERMIT: 2017 CONSTRUCTION GENERAL PERMIT

PROJECT OWNER:
GAMMA DEVELOPMENT, LLC
9798 COORS BLVD NW
ALBUQUERQUE, NM 87114

OWNER CONTACT:
BRIAN MCCARTHY
(505) 991-0252
BRIAN@ABRAZOHOMES.COM

HOMEBUILDER:
TQM, LLC
9798 COORS BLVD NW BLDG C, STE 400
ALBUQUERQUE, NM 87114

HOMEBUILDER CONTACT:
BRIAN MCCARTHY
(505) 991-0252
BRIAN@ABRAZOHOMES.COM

GENERAL CONTRACTOR (GC):
GAMMA DEVELOPMENT, LLC
9798 COORS BLVD NW
ALBUQUERQUE, NM 87114

GC CONTACT:
CHRIS SCOTT
(505) 796-6119
CK@ABRAZOHOMES.COM

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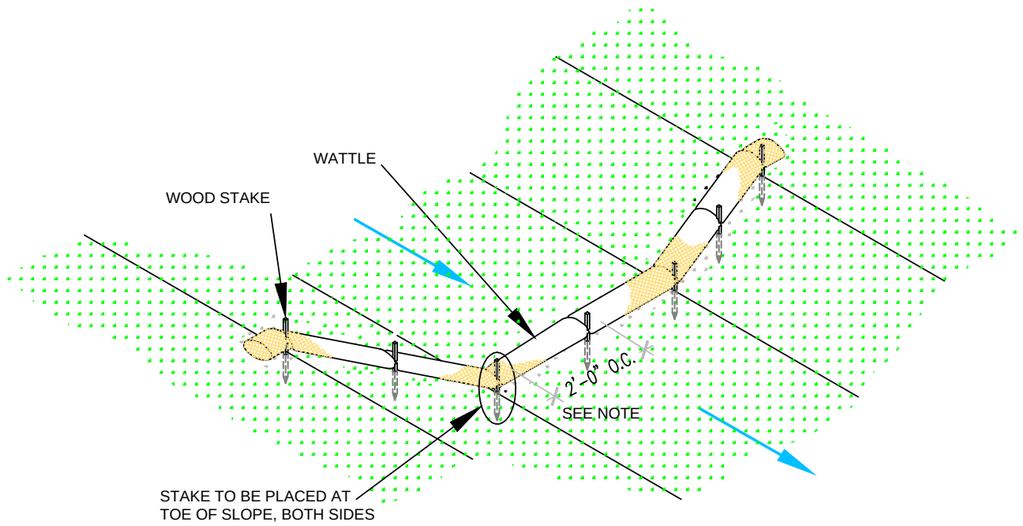
#	REVISION ITEM	DATE

GAMMA DEVELOPMENT, LLC
ASCENSION SUBDIVISION
SWPPP NOTES

DESIGNED BY:
KELLEY FETTER
DRAWN BY:
CHLOE FETTER PINNEY

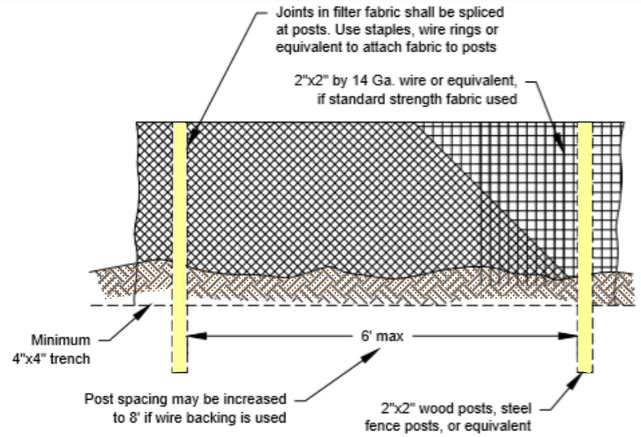
SHEET:
GENERAL NOTES

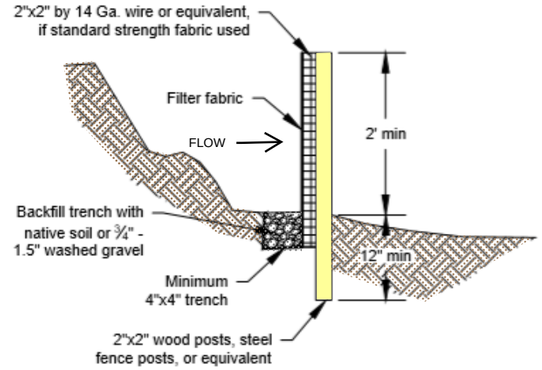


WATTLE
WITHOUT BLANKET

NTS

2' FOR DRAWING ONLY. 8' MAX
SPACING BETWEEN STAKES





SILT FENCE

NTS

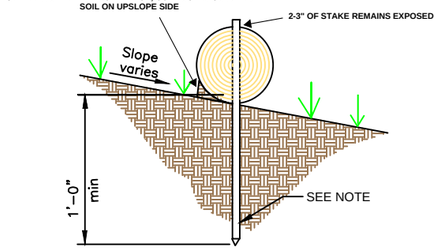
SILT FENCE IS TO BE PLACED PERPENDICULAR TO THE SLOPE OF THE SITE.

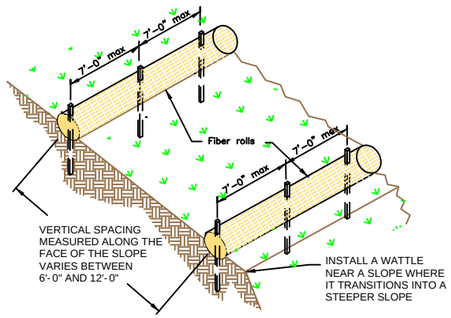
DIG A 4"X4" MINIMUM TRENCH UPSTREAM OF THE SILT FENCE. DRIVE STAKES AT LEAST 1' DEEP ON THE DOWNSTREAM EDGE.

RUN THE SILT FENCE ON THE INSIDE OF THE STAKES AND SECURE WITH HOG RINGS, WIRE, ZIP TIES OR STAPLES.

IF ONE CONTINUOUS PIECE OF FABRIC IS NOT AVAILABLE, OVERLAP THE FABRIC AT LEAST THE WIDTH OF THE STAKE AND SECURE WITH HOG RINGS, WIRE, ZIP TIES OR STAPLES.

COVER TRENCH WITH BACKFILLED COMPACTED SOIL, GRAVEL OR ROCK.





WATTLE

NTS

BEGIN BY EXCAVATING A 2-3" DEEP BY 9"WIDE TRENCH PERPENDICULAR TO AND ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.

PLACE THE WATTLE/SOCK IN THE TRENCH. COMPACT EXCAVATED SOIL AGAINST THE WATTLE ON THE UP-SLOPE SIDE. COMPACT THE SOIL.

SECURE WATTLE WITH 18-24" STAKES EVERY 3-4' AND STAKES ON EACH END OF THE WATTLE.

DRIVE STAKES PERPENDICULAR TO THE SLOPE FACE AND THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF THE STAKE ABOVE THE WATTLE.

VERTICAL SPACING DEPENDENT ON SLOPE GRADIENT.

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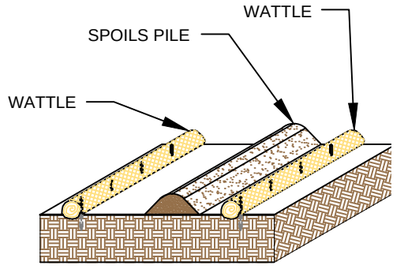
SHEET:
3



SPOILS PILE PROTECTION

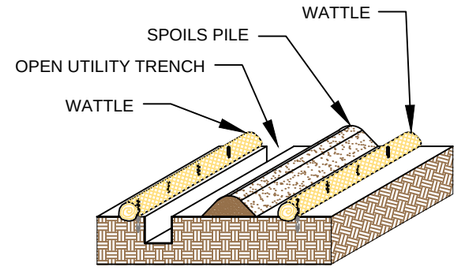
NTS

PLACE WATTLES IN FUTURE LOCATIONS OF SPOILS STOCKPILES PRIOR TO CONSTRUCTION.

PLACE WATTLES CONTINOUSLY ALONG THE EXTENT OF THE SPOILS STOCKPILE.

ANCHOR THE WATTLES USING A MINIMUM OF 1" X 2" X 18" WOODEN STAKES OR SAND BAGS.

ONCE/IF THE SPOILS STOCKPILE IS DEPLETED OR MOVED, REMOVE THE WATTLES AND REUSE THEM IN THE NEXT LOCATION.



OPEN TRENCH SPOILS PILE PROTECTION

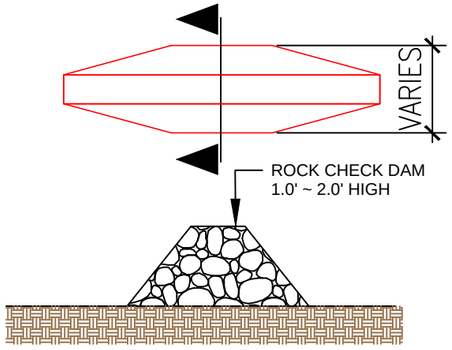
NTS

PLACE WATTLES CONTINUOUSLY ALONG THE EXTENT OF THE UTILITY TRENCH AND FUTURE LOCATION OF THE SPOILS STOCKPILE PRIOR TO EXCAVATION OF THE UTILITY.

WATTLES ARE TO REMAIN ANCHORED IN PLACE UNTIL THE UTILITY TRENCH IS BACKFILLED.

ANCHOR THE WATTLES USING A MINIMUM 1"X2"X18" WOODEN STAKE OR SANDBAGS.

ONCE THE TRANCH IS BACKFILLED, WATTLES MAY BE REMOVED AND REUSED IN THE NEXT SECTION OF EXCAVATION PROVIDED THEY ARE IN GOOD CONDITION.



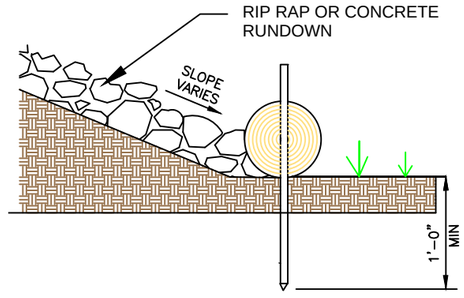
ROCK CHECK DAM

NTS

PLACE CHECK DAMS AT REGULARLY SPACED INTERVALS ALONG SWALE OR DRAINAGE DITCH.

HEIGHTS SHOULD ALLOW FOR POOLS TO DEVELOP UPSTREAM OF EACH CHECK DAM.

IF MULTIPLE DAMS ARE USED, THE TOP OF THE LOWER DAM SHOULD BE THE SAME HEIGHT AS THE ELEVATION AS THE TOE OF THE UPPER DAM.



RUNDOWN DETAIL

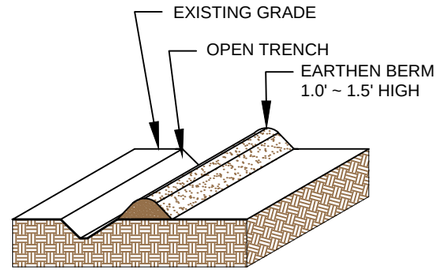
NTS

8' MAX SPACING BETWEEN STAKES

PLACE WATTLES AT THE TOE OF SLOPE. THE RIP RAP OR CONCRETE RUNDOWN SHOULD ABUT THE WATTLE.

ANCHOR THE WATTLES WITH WOODEN STAKES. DRIVE THE STAKE A MINIMUM OF 12" INTO THE MIDDLE OF THE WATTLE AND SOIL UNDERNEATH.

2-3" OF THE WOODEN STAKE SHOULD BE PRESENT ABOVE THE WATTLE.



EARTHEN BERM

NTS

CONSTRUCT AN EARTHEN BERM DOWN HILL OF THE AREA TO BE CONTROLLED.

BERM SHOULD BE A MINIMUM 12" HIGH AND 12" WIDE.

USE EQUIPMENT TO COMPACT EARTHEN BERM BY ROLLING OVER BERM TO MINIMIZE SPREAD.

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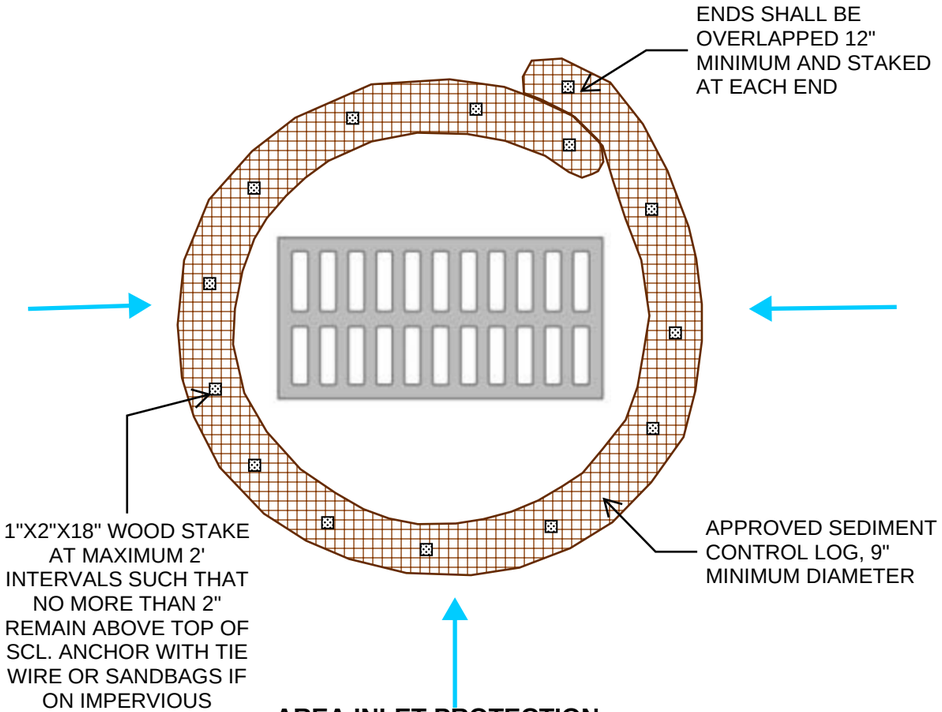
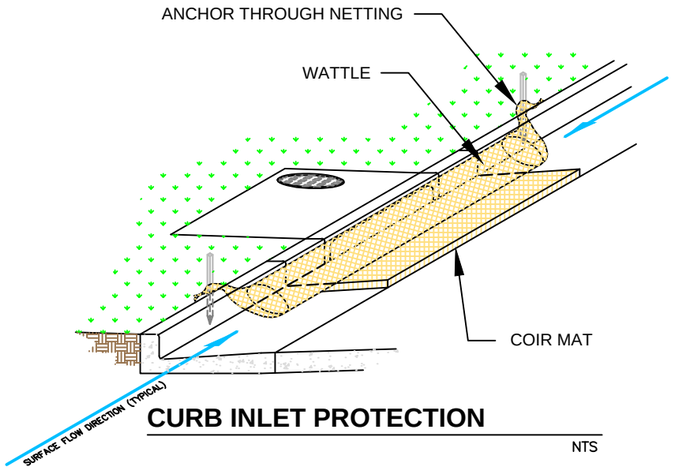
DRAWN BY:
CHLOE FETTER PINNEY

SHEET:
4



AREA INLET PROTECTION

NTS



CURB INLET PROTECTION

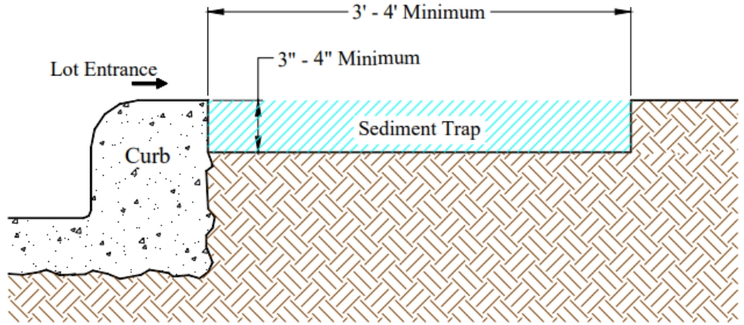
NTS

THE MAT SHOULD EXTEND A MINIMUM OF 1" PAST ALL EDGES OF THE INLET. PLACE MAT AGAINST THE CURB INLET.

PLACE WATTLES ON TOP OF THE MAT CLOSEST TO THE INLET OPENING AND CURB.

THE MAXIMUM HEIGHT OF THE PROTECTIVE BARRIER MUST BE LOWER THAN THE TOP OF THE CURB OPENING. THIS ALLOWS OVERFLOW INTO THE INLET DURING LARGE PRECIPITATION EVENTS.

ANCHOR THE BARRIER NETTING OVER THE CURB WITH WOODEN STAKES IF ABLE. IF UNABLE TO DO THAT ANCHOR THE WATTLE WITH SAND BAGS ON EACH END.



CUTBACK CURB

NTS

CUTBACK CURBS SHOULD TYPICALLY BE INSTALLED AT THE SITE ENTRANCE WHEN ACCESS IS NEEDED.

SOIL SHOULD BE CUT BACK FROM BEHIND THE CURB, SIDEWALK OR ROADWAY 3-4" DOWN FROM THE TOP OF THE HARDSCAPE.

BRING THE SOIL BACK 3-4 FT FROM THE HARDSCAPE TO FORM THE SEDIMENT TRAP.

THE DEPTH AND LENGTH OF THE EXCAVATED AREA CAN BE INCREASED IF MORE STORAGE IS NEEDED.

INSPECT BMPs PRIOR TO FORCAST PRCIPITATION, DAILY DURING PRECIPITATION EVENTS, AFTER PRECIPITATION EVENTS AND THROUGH THE LIFE OF THE PROJECT.

MAINTAIN PROPER DEPTH AND LENGTH OF THE CUTBACK FOR THE DURATION OF THE PROJECT.

KEEP CUTBACK AREA CLEAN AND FREE OF TRASH AND DEBRIS.

CUTBACK CURB BMP ONLY REMAINS EFFECTIVE FOR A LIMITED TIME. SHOULD NOT BE USED FOR MORE THAN 4 MONTHS AND SHOULD BE USED IN CONJUNCTION WITH OTHER BMPs.

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BMP DETAILS

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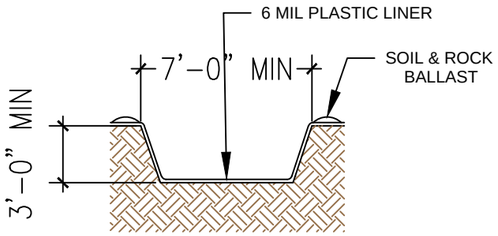
KELLEY FETTER
DRAWN BY:
CHLOE FETTER PINNEY

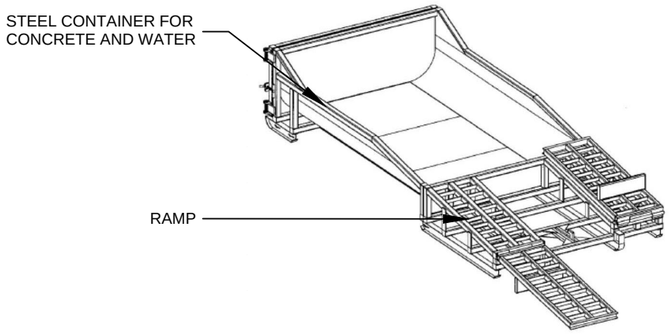
SHEET:
5



CONCRETE WASHOUT MUST BE MAINTAINED REGULARLY AND CLEANED OUT AS NEEDED

CONCRETE WASHOUT

NTS



MODULAR CONCRETE WASHOUT

NTS

LOCATE WASHOUT AT LEAST 50 FT FROM STORMDRAINS, OPEN DITCHES, WATER BODIES OR PROJECT PERIMETER. A SIGN SHOULD BE INSTALLED ADJACENTLY TO THE WASHOUT.

WASH OUT WASTE INTO THE WASHOUT WHERE THE CONCRETE CAN SET, BE BROKEN UP AND DISPOSED OF CORRECTLY.

DO NOT CREATE RUNOFF BY DRAINING WATER TO BERMED AREA OR BY COLLECTING THE WATER WASTE WHEN WASHING CONCRETE TO REMOVE PARTICLES AND EXPOSE THE AGGREGATE.

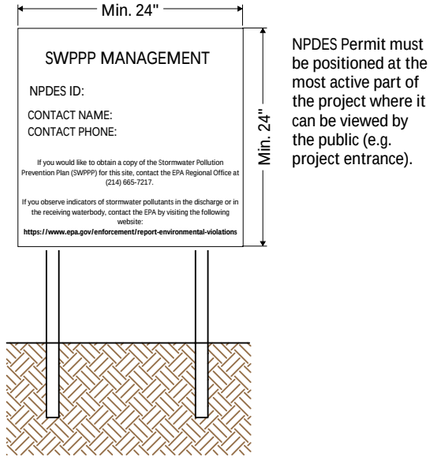
DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET, STORMDRAIN SYSTEMS OR OFF THE PROJECT SITE.

PORTABLE TOILET STAKING

NTS

PLACE THE PORTABLE TOILET ON LEVEL GROUND. A FLAT PAVED SURFACE IS BEST IF AVAILABLE.

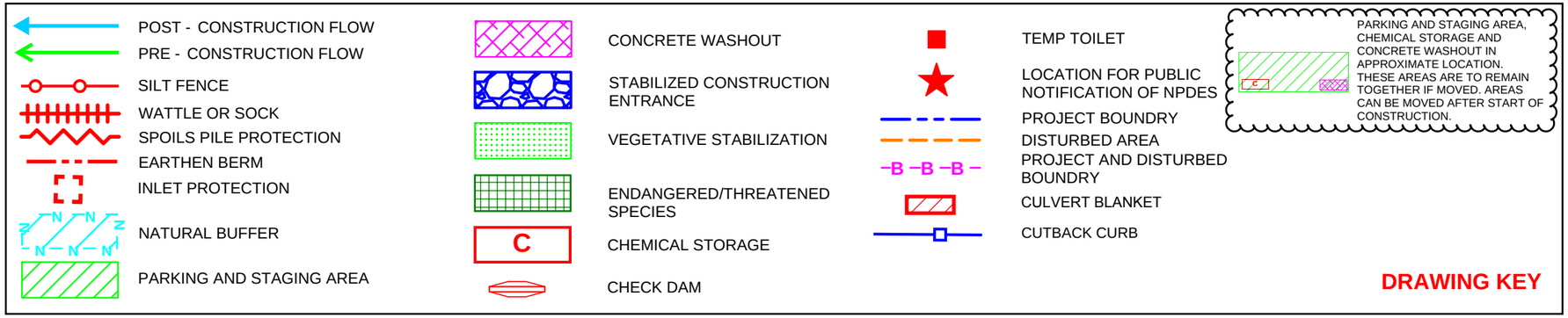
DRIVE THE STAKES OVER THE SKIDS OF THE PROTABLE TOILET, AROUND ALL SIDES.



NPDES Permit must be positioned at the most active part of the project where it can be viewed by the public (e.g. project entrance).

NPDES POSTING BOARD

NTS



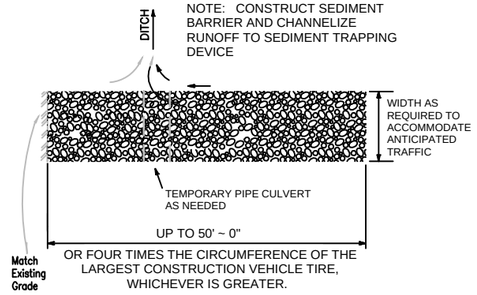
DRAWING KEY

CRUSHED AGGREGATE GREATER THAN 75 MM (3 IN.) BUT SMALLER THAN 150 MM (6 IN.)

300 MM (12 IN), UNLESS OTHERWISE SPECIFIED BY A SOILS ENGINEER

SECTION B–B

NTS



STABILIZED CONSTRUCTION ENTRANCE

NTS

CONSTRUCT THE ENTRANCE ON A LEVEL SURFACE WHERE AN UNPAVED ROAD MEETS A PAVED ROAD. TYPICALLY AT PROJECTS ACCESS AREA.

GRADE THE ENTRANCE TOWARD THE CONSTRUCTION SITE TO PREVENT RUNOFF.

INSPECT THE ENTRANCE TO KEEP TRASH AND DEBRIS OUT OF THE WAY.

AFTER PRECIPTATION EVENTS, INSPECT THE ENTRANCE FOR ANY REPAIRS THAT MAY BE NEEDED.

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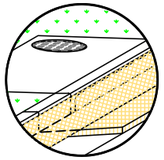
DESIGNED BY:
KELLEY FETTER

DRAWN BY:
CHLOE FETTER PINNEY

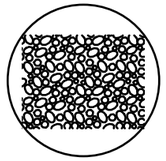
SHEET:
6

IMPLEMENTATION	
BMP INSTALL	BMP REMOVE
1/31/20	
FINAL STABILIZATION	

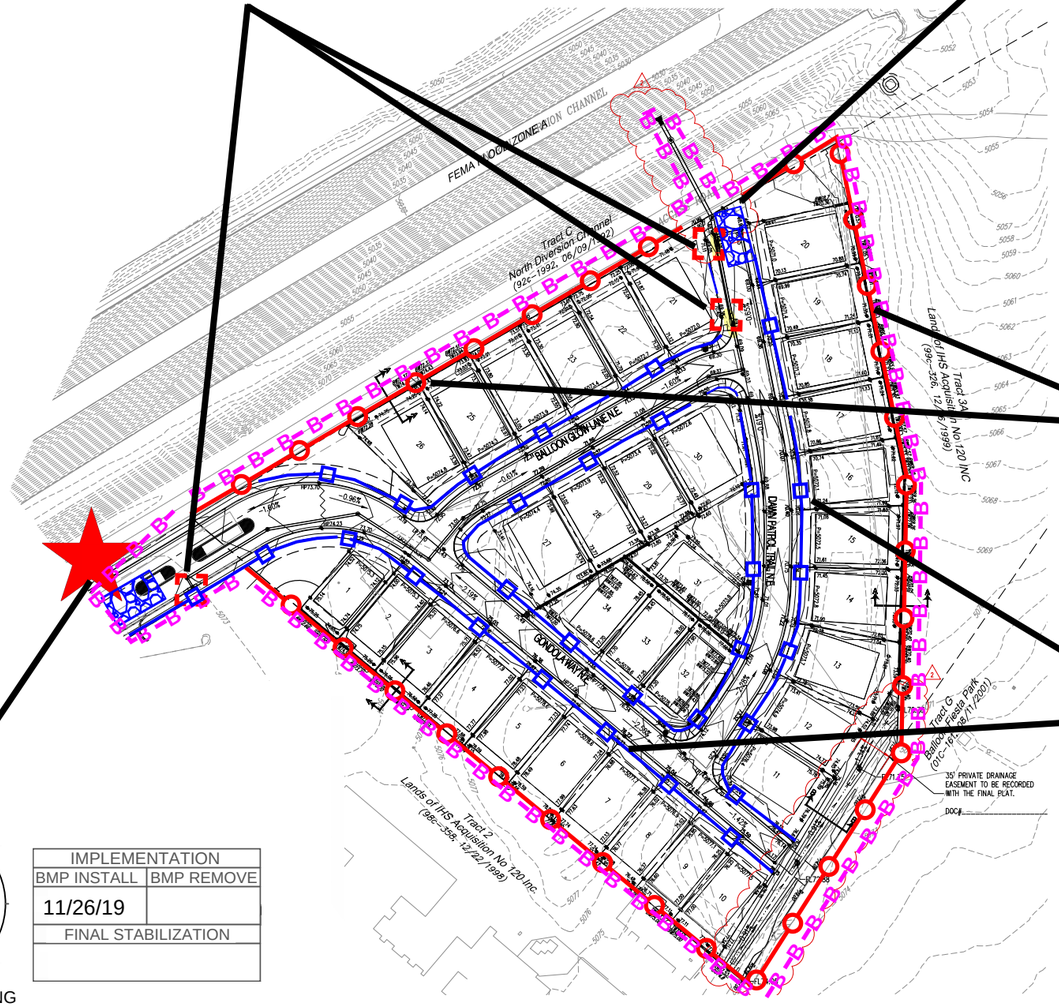


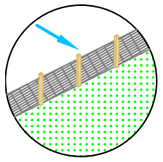
INLET PROTECTION

IMPLEMENTATION	
BMP INSTALL	BMP REMOVE
11/26/19	
FINAL STABILIZATION	



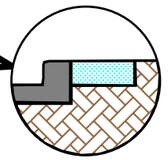
STABILIZED CONSTRUCTION ENTRANCE





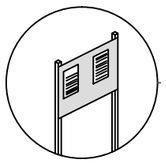
IMPLEMENTATION	
BMP INSTALL	BMP REMOVE
11/26/19	
FINAL STABILIZATION	

SILT FENCE



IMPLEMENTATION	
BMP INSTALL	BMP REMOVE
FINAL STABILIZATION	

CUTBACK CURB



IMPLEMENTATION	
BMP INSTALL	BMP REMOVE
11/26/19	
FINAL STABILIZATION	

NPDES PERMITTING

N

0' 200' 400'

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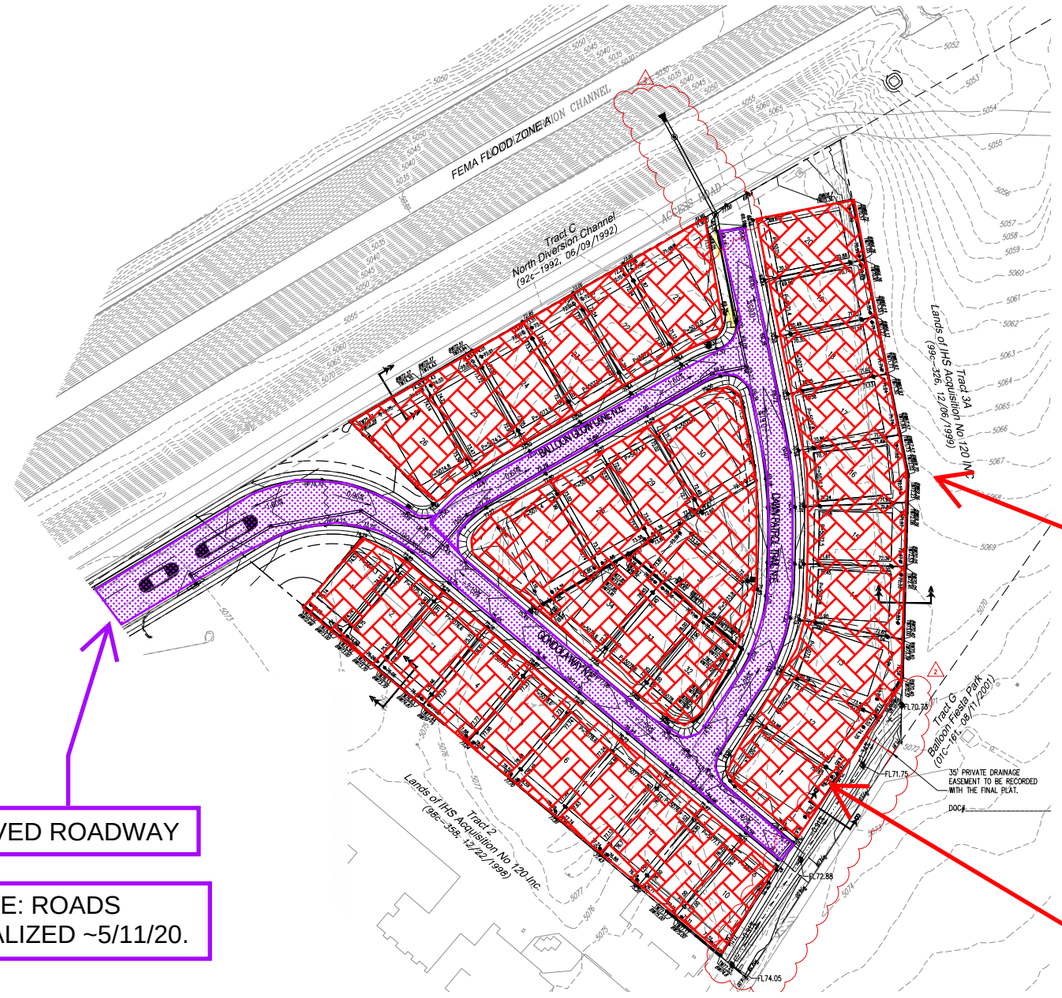
#	REVISION ITEM	DATE

ASCENSION SUBDIVISION TESCP

DESIGNED BY: KELLEY FETTER
DRAWN BY: CHLOE FETTER PINNEY

SHEET: 7



MASS GRADING STABILZATION IS SOIL STABILIZER WITH VERTICAL CONSTRUCTION TO FOLLOW.

PAVED ROADWAY

NOTE: ROADS FINALIZED ~5/11/20.

VERTICAL STRUCTURES ARE FINAL STABILIZATION FOR TQM, LLC

0' 200' 400'

KELLEY VINCENT FETTER
NEW MEXICO
13450
5/28/20
REGISTERED PROFESSIONAL ENGINEER

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#	REVISION ITEM	DATE

ASCENSION SUBDIVISION
FINAL STABILIZATION

DESIGNED BY:
KELLEY FETTER
DRAWN BY:
CHLOE FETTER PINNEY

SHEET:
8