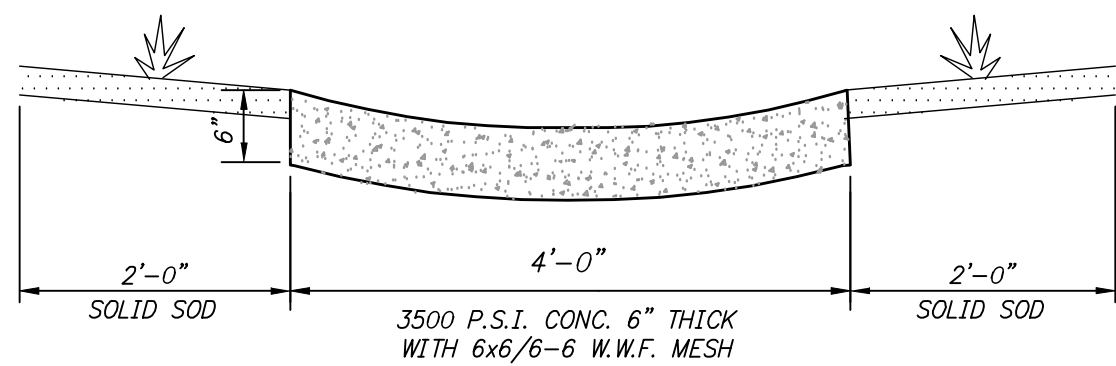


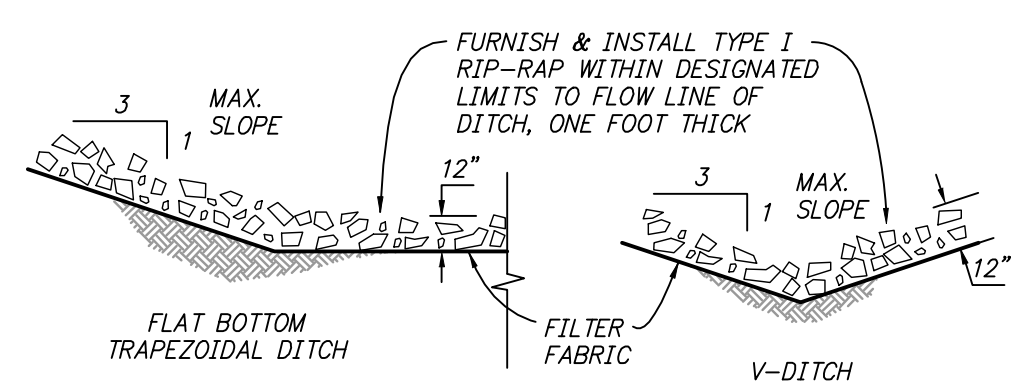
CONCRETE ENCASEMENT

DETAIL C301  
N.T.S.



CONCRETE DRAINAGE SWALE

DETAIL C302  
N.T.S.



RIP RAP

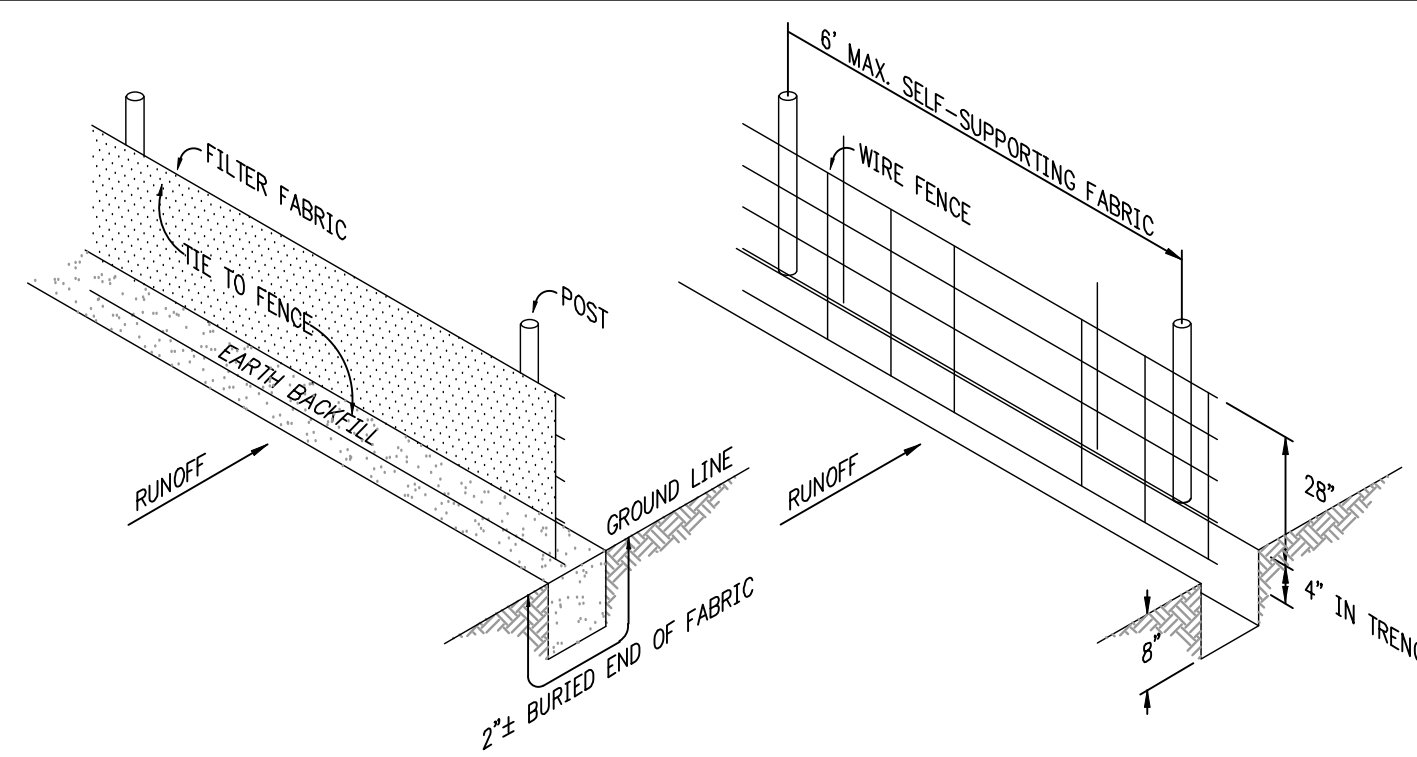
DETAIL C303  
N.T.S.

EROSION CONTROL NOTES:

- A STORM WATER POLLUTION PREVENTION PLAN (SWP3) WILL BE PRODUCED BY THE OWNER (OPERATOR) FOR THE PROJECT TO BE COVERED UNDER THE ARKANSAS GENERAL PERMIT ARR150000. THE CONTRACTOR SHALL BE REQUIRED TO SIGN A COPY OF THE SWP3 AS FILED BY THE OWNER TO CONFIRM ASSOCIATION AND COMPLIANCE WITH THE REQUIREMENTS.
- THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT THE SWP3 ACCORDING TO THE REQUIREMENTS OF THE GENERAL PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PAY ALL COSTS ASSOCIATED WITH FINES OR PENALTIES THAT MAY BE IMPOSED BY THE GOVERNMENTAL AUTHORITY FOR THE FAILURE OF THE CONTRACTOR, THE CONTRACTOR'S SUBCONTRACTORS, THE CONTRACTOR'S SUPPLIERS OR THE CONTRACTOR'S AGENTS HAVING ACCESS TO THE SITE TO COMPLY WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND/OR TO COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN. THE OWNER SHALL BE ENTITLED TO WITHHOLD SUCH FROM CONTRACT FUNDS THAT MAY BE DUE TO THE CONTRACTOR AND/OR CLAIM THROUGH THE APPROPRIATE COURT HAVING JURISDICTION.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE POSTING AND MAINTENANCE OF NOTICES IN THE AREA OF THE CONSTRUCTION WITH INFORMATION AS REQUIRED BY ADEQ REGULATION.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN AND UPDATE RECORDS AND INSPECTION REPORTS REQUIRED BY THE GENERAL PERMIT FOR STORM WATER DISCHARGES AND THE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN. COPIES OF ALL DOCUMENTS SHALL BE AVAILABLE AT ALL TIMES AND PROVIDED TO THE OWNER AND/OR THE OWNER'S REPRESENTATIVE UPON DEMAND AND SHALL BE DELIVERED TO THE OWNER PRIOR TO FINAL PAYMENT.
- INFORMATION REGARDING THE STORM WATER POLLUTION PREVENTION PLAN AND THE PERTINENT REGULATION MAY BE ACCESSED AT [www.adeq.state.ar.us](http://www.adeq.state.ar.us)
- SILT FENCES SHALL BE PLACED ALONG THE LIMITS OF CONSTRUCTION SLOPES TO PREVENT SOIL FROM LEAVING THE CONSTRUCTION AREA.
- WORK SHALL NOT COMMENCE UNTIL EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.
- SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE AS NEEDED TO MAINTAIN EFFECTIVENESS OF THE STRUCTURE. AS A MINIMUM, SILT SHALL BE REMOVED WHEN SEDIMENT DEPTH EXCEEDS HALF THE FABRIC HEIGHT. AFTER THE SILT FENCE IS NO LONGER NEEDED, THE SILT FENCE AND ALL DEPOSITED SEDIMENT SHALL BE REMOVED AND DISPOSED OF OFF SITE BY THE CONTRACTOR.
- THE EXCAVATION AND MOVING OF SOIL MATERIALS, SHALL BE SCHEDULED SO THAT THE SMALLEST POSSIBLE AREAS WILL BE UNPROTECTED FROM EROSION FOR THE SHORTEST TIME FEASIBLE.
- TEMPORARY SEEDING AND MULCH SHALL BE APPLIED TO PROTECT DISTURBED AREAS FROM EROSION. FINAL RESTORATION SHALL BE PER SPECIFICATIONS.
- THE LOCATIONS OF THE CONCRETE WASHOUT AND THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE DETERMINED BY THE CONTRACTOR.
- STREET SHALL BE SWEEP AS NECESSARY TO MINIMIZE OFFSITE TRACKING OF SEDIMENT.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES (BMP'S).

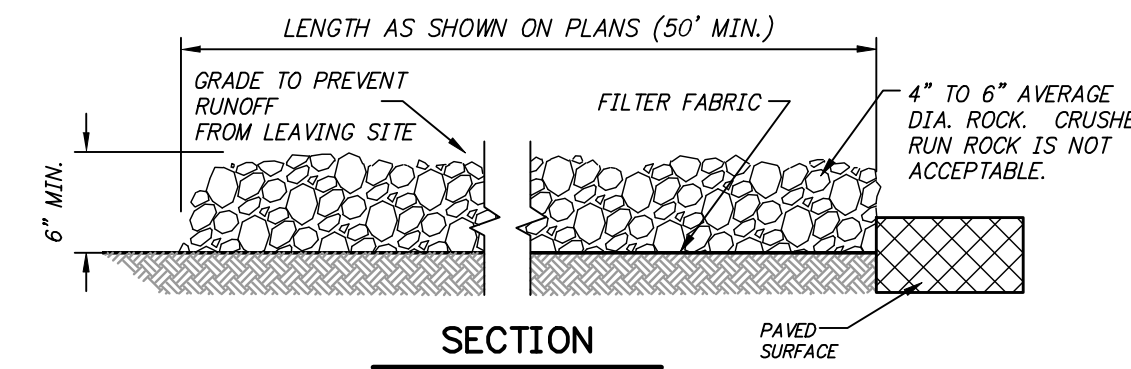
EROSION CONTROL NOTES

DETAIL C304  
N.T.S.

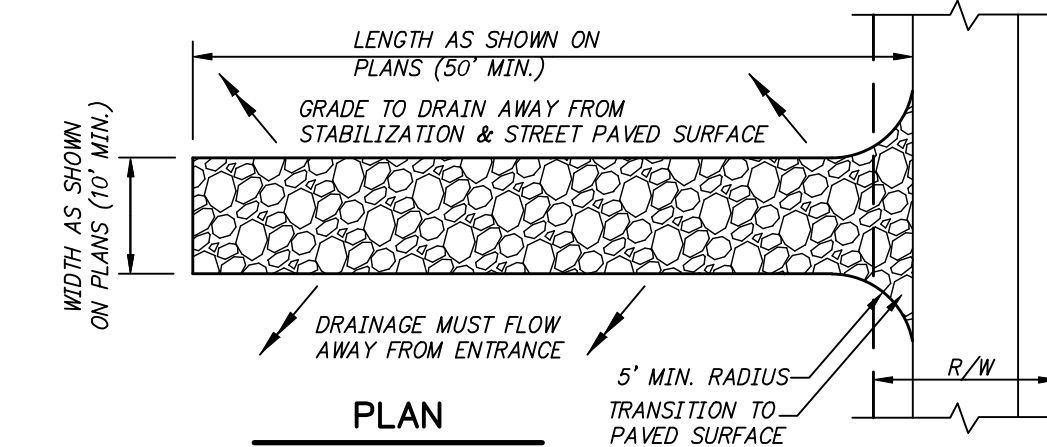


SILT FENCE

DETAIL C305  
N.T.S.



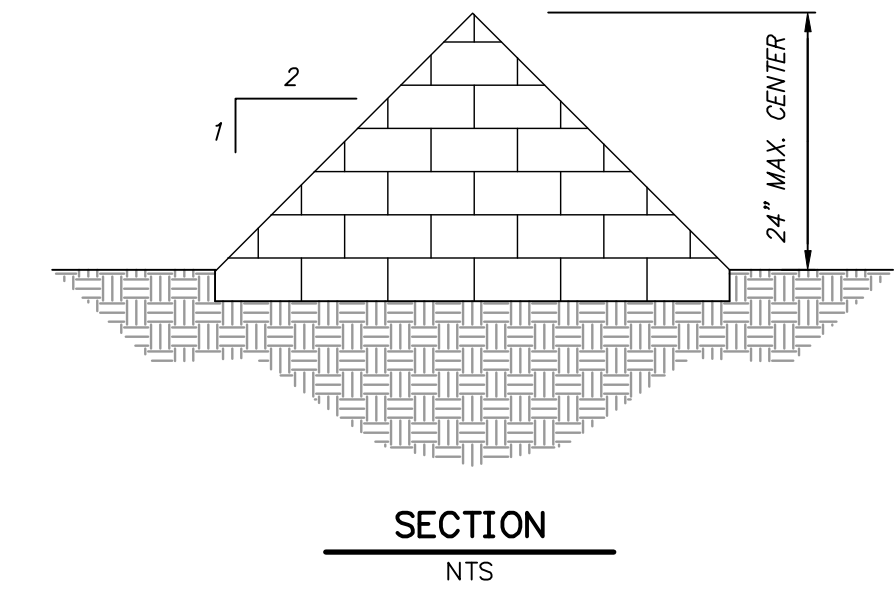
SECTION



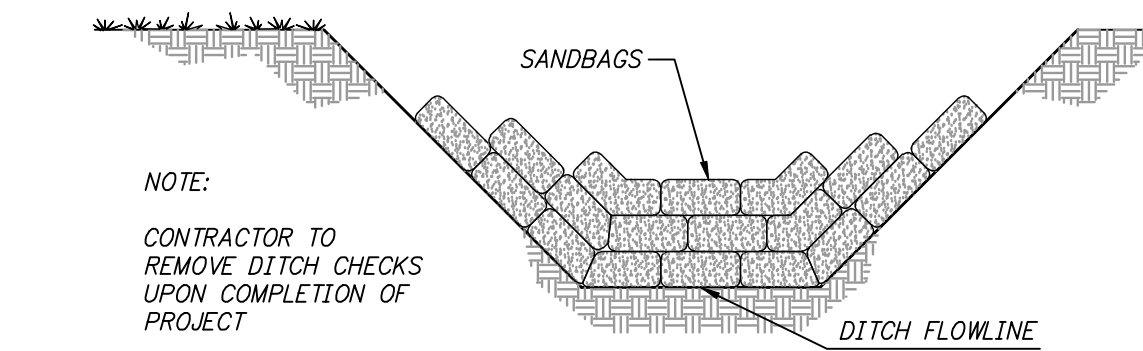
PLAN

STABILIZED CONSTRUCTION ENTRANCE

DETAIL C306  
N.T.S.

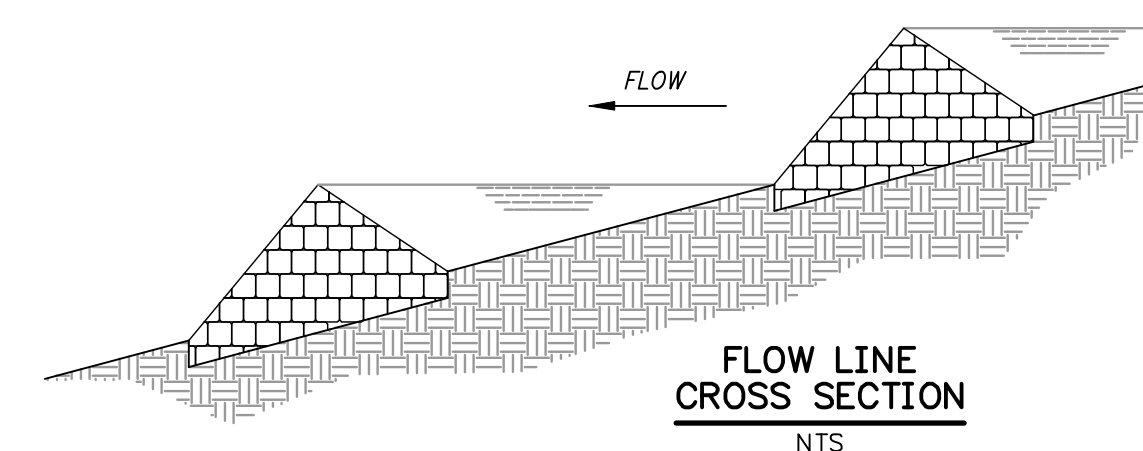


SECTION NTS



NOTE:  
CONTRACTOR TO REMOVE DITCH CHECKS UPON COMPLETION OF PROJECT

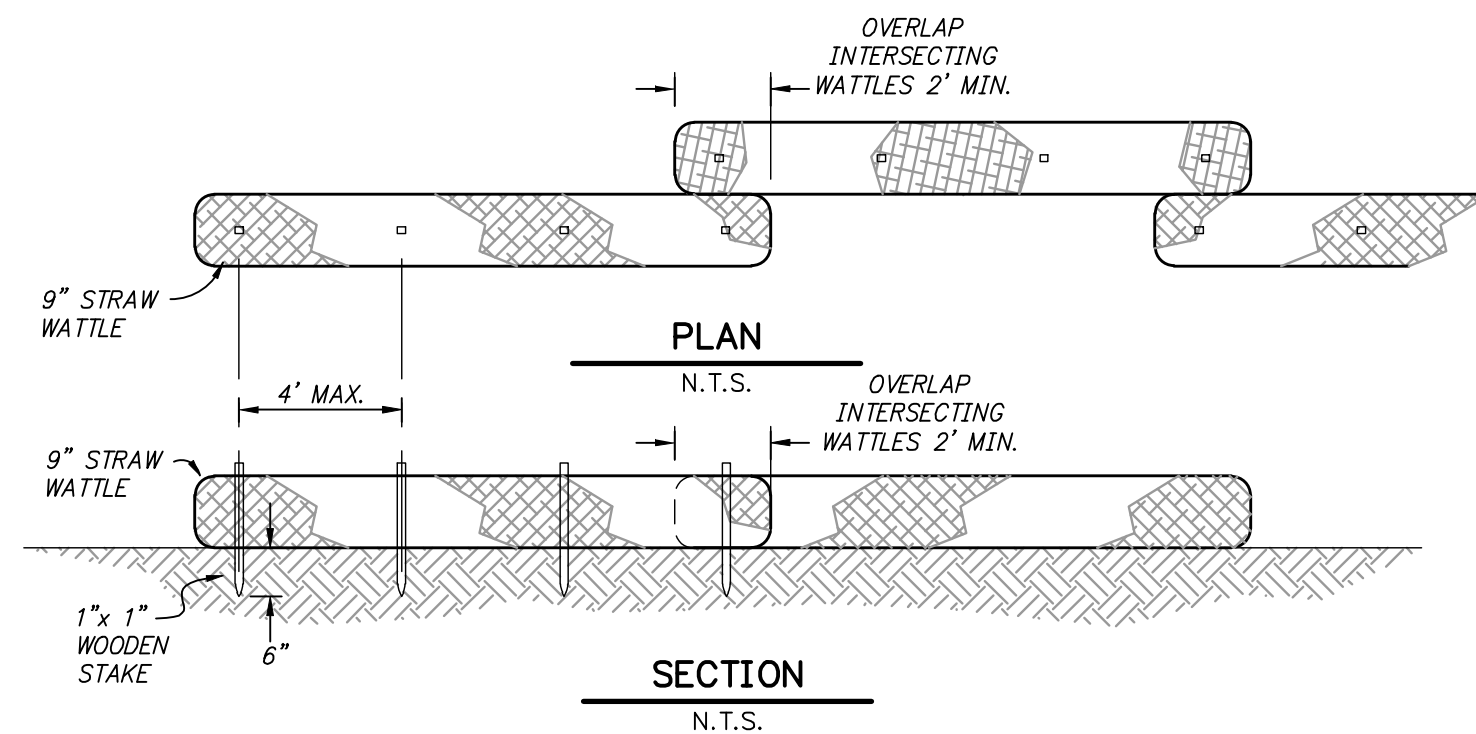
SECTION NTS



FLOW LINE CROSS SECTION NTS

DITCH CHECK

DETAIL C307  
N.T.S.

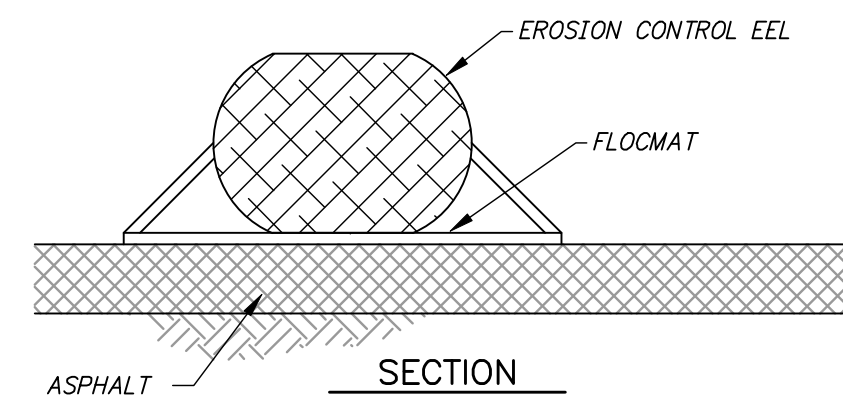


STRAW WATTLE INSTALLATION

DETAIL C308  
N.T.S.

STRAW WATTLE NOTES:

- STAKES SHALL BE 1"x1" WOODEN TIMBER DRIVEN THROUGH THE STRAW WATTLE AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
- REMOVE AND DISPOSE OF SEDIMENT WHEN ACCUMULATION COVERS 33% OF THE WATTLE HEIGHT.

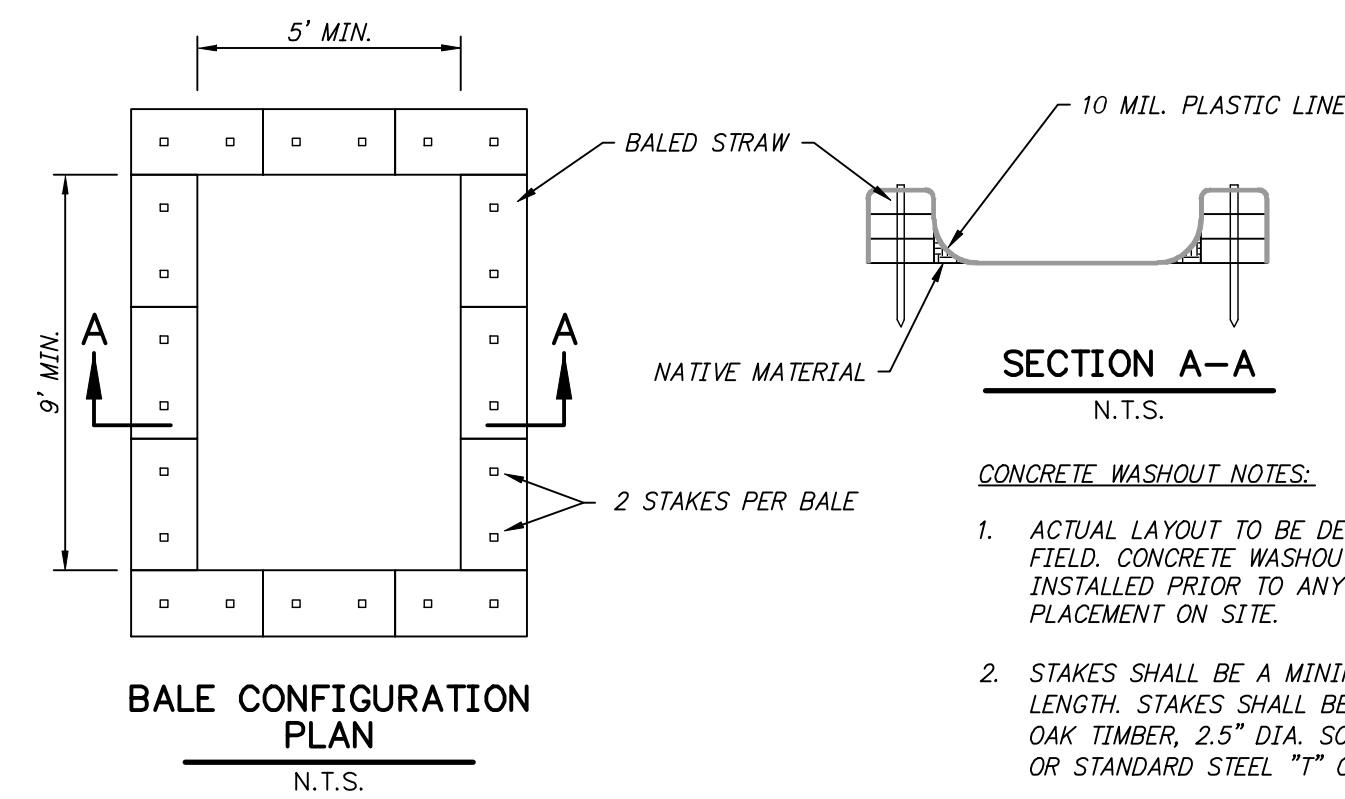


EROSION CONTROL EEL WITH FLOCCMAT

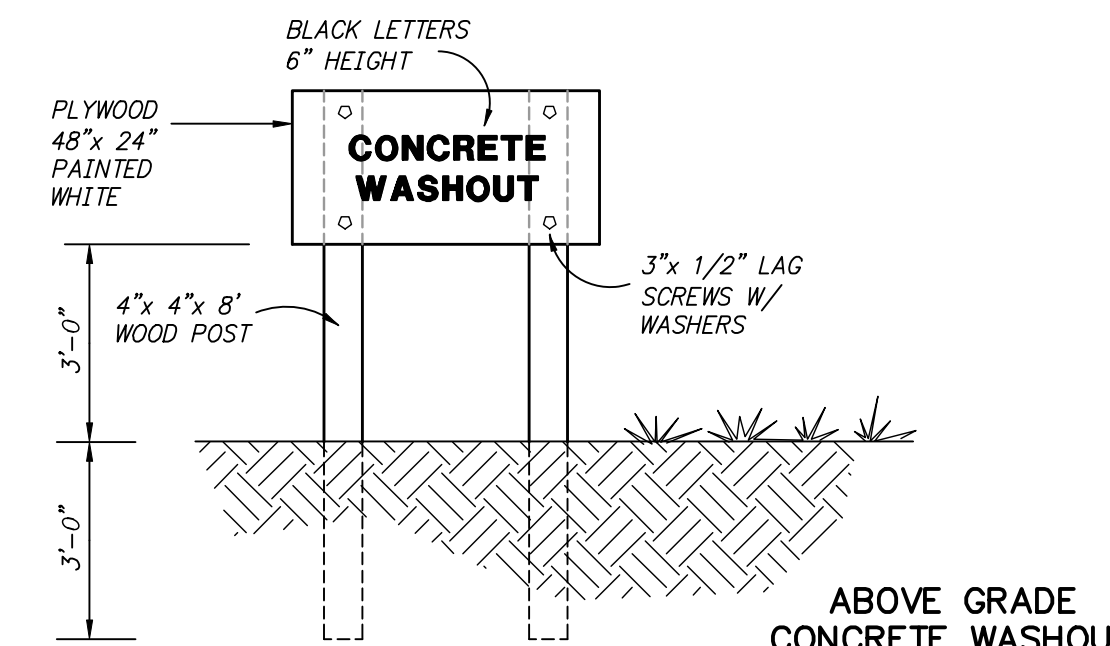
DETAIL C309  
N.T.S.

NOTES:

- EROSION CONTROL EEL TO BE INSTALLED WITH FLOCCMAT OVER.
- REMOVE AND DISPOSE OF SEDIMENT WHEN ACCUMULATION COVERS 50% OF THE DIKE'S HEIGHT.



BALE CONFIGURATION PLAN N.T.S.



ABOVE GRADE CONCRETE WASHOUT

DETAIL C310  
N.T.S.

CONCRETE WASHOUT NOTES:

- ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- STAKES SHALL BE A MINIMUM OF 48" IN LENGTH. STAKES SHALL BE EITHER 2" x 2" OAK TIMBER, 2.5" DIA. SCH. 40 STEEL POSTS, OR STANDARD STEEL "T" OR "U" POSTS.
- SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF FOUR (4) INCHES.
- WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT AREA 75% FULL.
- AT THE END OF CONSTRUCTION, THE CONCRETE WASHOUT AREA AND ALL WASTE CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE. WHEN THE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE TOPSOILED AND SODDED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.

Z:\20\2020043 ROGERS SOLIDS HANDLING IMPROVEMENTS, PH. 2\DRAWINGS\CONSTRUCTION DRAWINGS\WMP\CZ-03.DWG, 8/26/2024 11:11 AM, MATT WEIR, LAYOUT

1" ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

DATE	REVISION



**HW** HAWKINS WEIR ENGINEERS, INC.  
BLACK & VEATCH

ROGERS, ARKANSAS  
ROGERS POLLUTION CONTROL FACILITY (PCF)  
SOLIDS HANDLING IMPROVEMENTS, PHASE II  
CIVIL DETAILS III  
FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024  
SCALE: AS SHOWN  
DESIGNED BY: JDS  
DRAWN BY: MAW  
HWEI NO.: 2020043  
FILENAME: CZ-03

SHEET NO. CZ-3