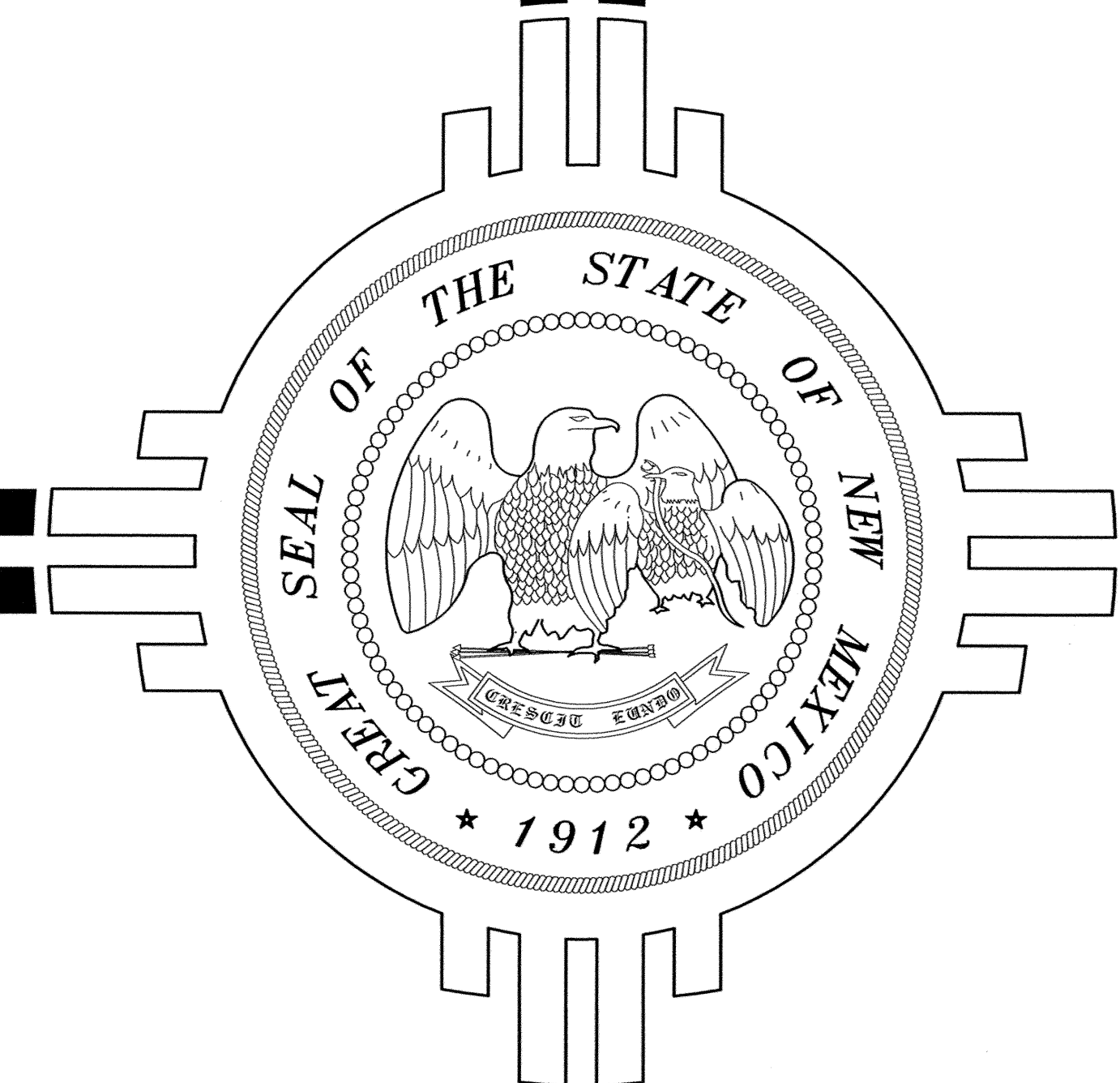


CONSTRUCTION PLANS
FOR
CWSRF-104 FUNDING
ROOSEVELT COUNTY FAIRGROUNDS
STORMWATER DRAINAGE
IMPROVEMENTS PROJECT

CWSRF NO. 104

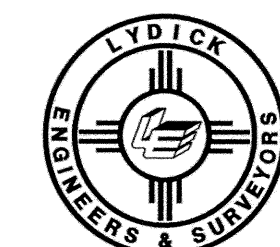
ROOSEVELT COUNTY
NEW MEXICO
FEBRUARY 2021



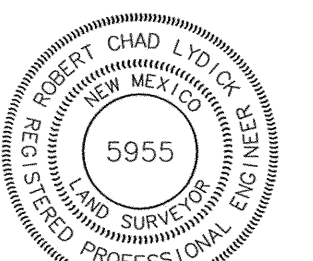
NOTICE OF EXTENDED PAYMENTS PROVISION: THE CONTRACT ALLOWS THE OWNER
TO MAKE PAYMENTS WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED
REQUEST FOR PAYMENT . (REFERENCE 57-28-5 B(2) NMSA 1978

ROOSEVELT COUNTY MANAGER _____ DATE _____

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS
FOR HIGHWAY AND BRIDGE CONSTRUCTION OF 2019 SHALL GOVERN
CONSTRUCTION OF THIS PROJECT

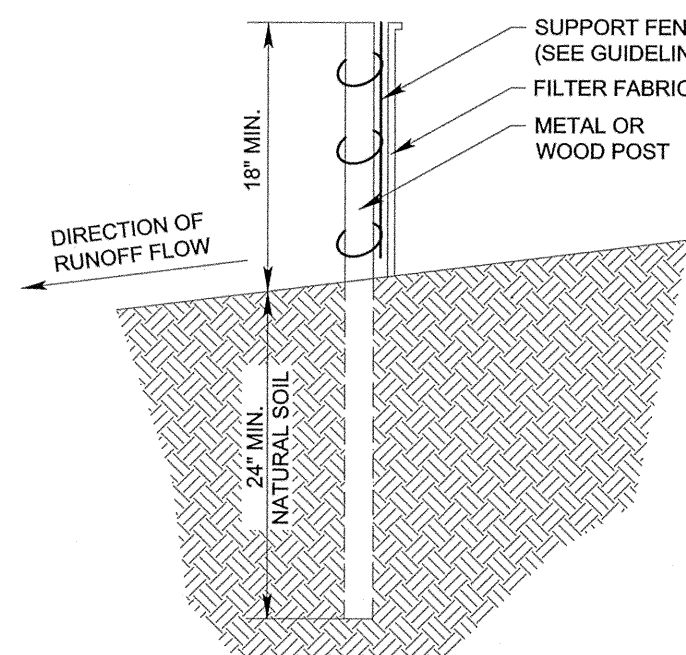


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(575) 762-3771

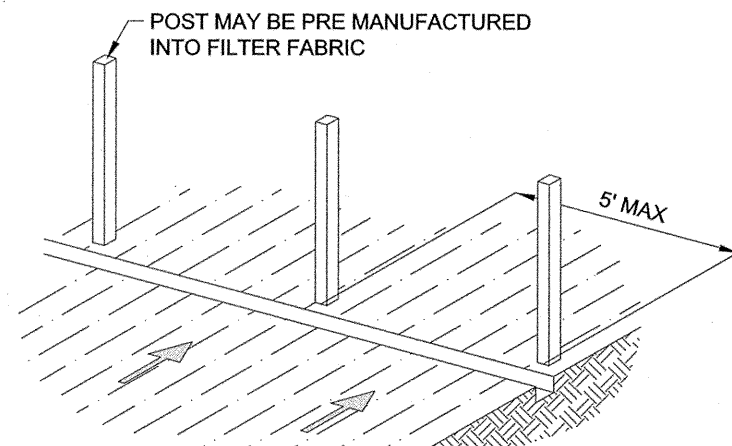


Robert C. Lydick
P.E. AND L.S. NO. 5955

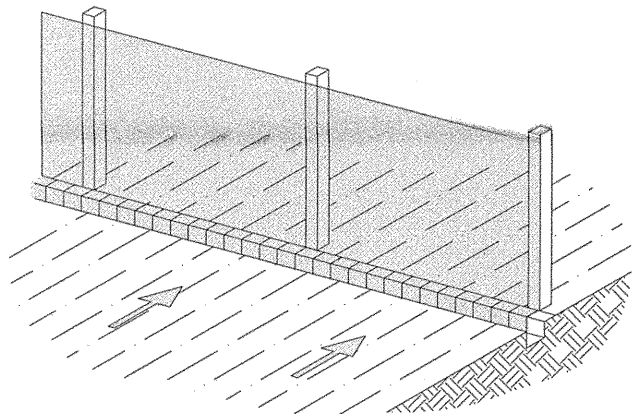
03/19/21
DATE



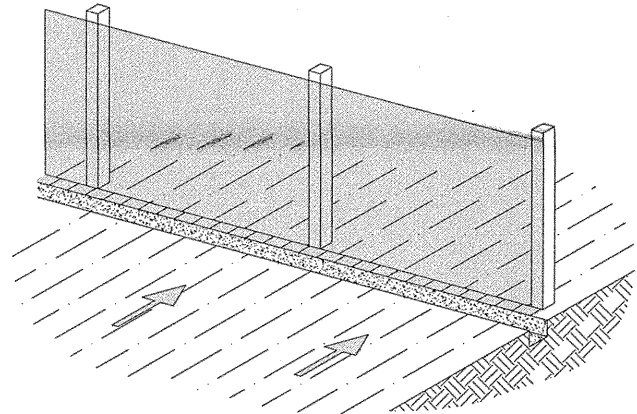
SILT FENCE
SCALE: N.T.S.



1. SET POST & ANCHOR FABRIC IN TO SUBGRADE UPSLOPE ALONG THE LINE OF POST.

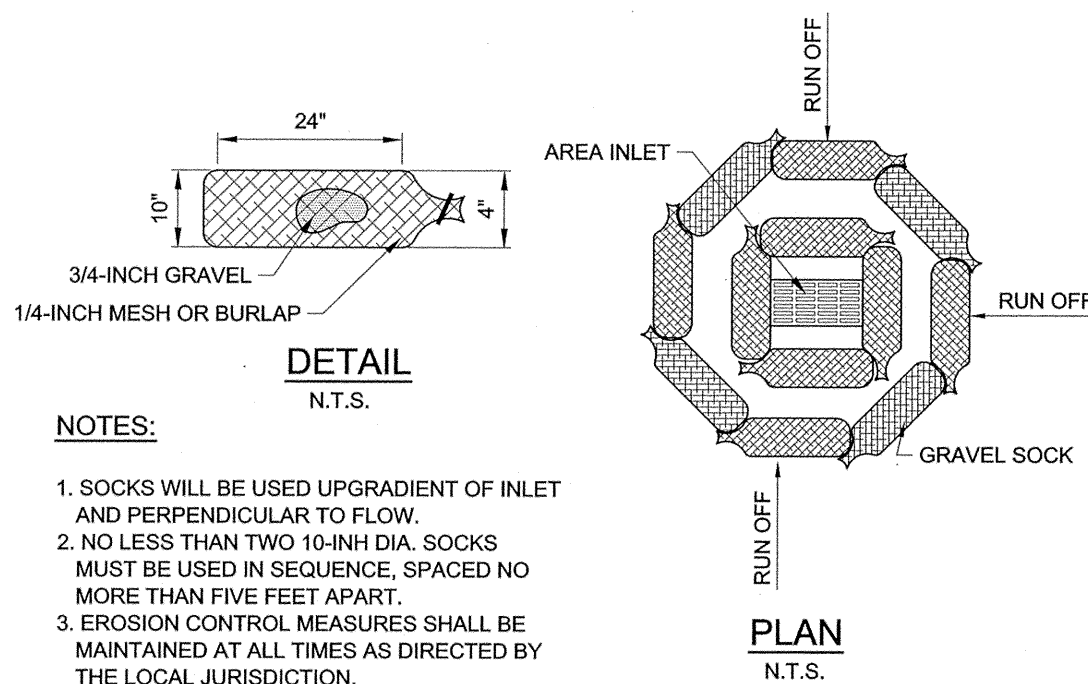


2. ATTACH THE FILTER FABRIC TO POST AND EXTEND IT INTO THE TRENCH.



3. BACK FILL AND COMPACT THE EXCAVATED SOIL.

SILT FENCE DETAILS
SCALE: N.T.S.



NOTES:

1. SOCKS WILL BE USED UPGRADIENT OF INLET AND PERPENDICULAR TO FLOW.
2. NO LESS THAN TWO 10-INH DIA. SOCKS MUST BE USED IN SEQUENCE, SPACED NO MORE THAN FIVE FEET APART.
3. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES AS DIRECTED BY THE LOCAL JURISDICTION.

GRAVEL STOCK AREA INLET PROTECTION
SCALE: N.T.S.

CONSTRUCTION SPECIFICATIONS FOR SILT BARRIER FENCE MATERIALS

1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPLYENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENT (PER ASTM METHODS):

PHYSICAL PROPERTY	REQUIREMENTS
GRAB TENSILE	100 LBS MIN.
ELONGATION	30% MAX.
TRAPEZOIDAL TEAR	55 LBS MIN.
MULLEN BURST	270 LBS MIN.
PERMITTIVITY	0.2 SEC-1
AOS (U.S. STD. SIEVE)	20-100

2. SYNTHETIC FILTER SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE OF 0° TO 120°

3. STAKES FOR THE SILT FENCE SHALL BE 2" X 2" (OAK), 4" X 4" (PINE), OR STD. 1/2" OR 1" SECTION STEEL POSTS (MIN. WT OF 1.33 LBS/FT.). STAKES SHALL BE A MINIMUM OF 5' LONG.

4. THE CONTRACTOR MAY USE PREFABRICATED SILT BARRIER FENCES (FENCE MATERIAL WITH INTEGRAL POSTS) PROVIDED THE FENCE MATERIALS MEET OR EXCEED THE REQUIREMENTS STATED IN NOTES 1 THRU 3 ABOVE.

SILT FENCE INSTALLATION

1. THE HEIGHTS OF THE SILT FENCE SHALL BE A MIN. OF 16" AND A MAXIMUM OF 34" ABOVE FINISH GRADE.

2. STANDARD STRENGTH SYNTHETIC FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS (AND THUS IMPROVE THE BARRIER STRENGTH AND EFFICIENCY.)

3. THE STAKES SHALL BE SPACED A MAXIMUM OF 6' APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (1' - 6" MINIMUM).

4. THE SILT FENCE SHALL BE STAPLED TO THE STAKES WITH 6" OF FABRIC EXTENDED INTO THE TRENCH. HEAVY DUTY WIRE STAPLES (1/2" LONG MIN.) SHALL BE USED. THE FENCE SHALL NOT BE STAPLED TO EXISTING TREES.

5. THE FABRIC SHALL BE BACK FILLED AND THE SOIL COMPACTED OVER THE FENCE FABRIC MATERIAL.

6. IF A SILT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, THE BARRIER SHALL BE OF SUFFICIENT LENGTH TO ELIMINATE END FLOW.

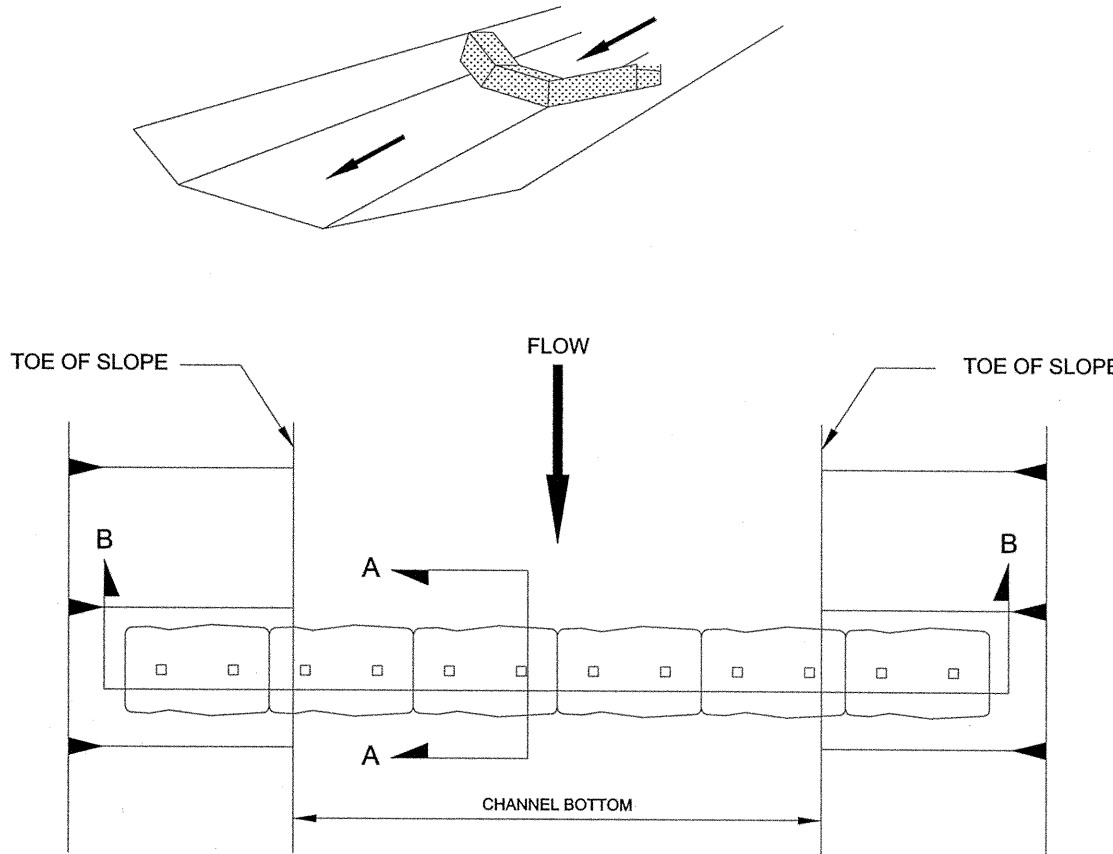
7. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED AND APPROVED BY THE CONTRACTING OFFICER.

EROSION CONTROL PERFORMANCE STANDARDS:

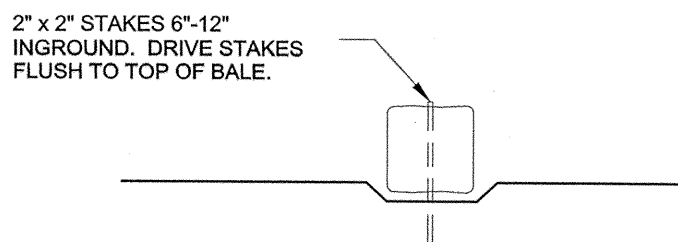
1. ANY LAND DISTURBING ACTIVITY SHALL BE CONDUCTED IN SUCH A MANNER AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
2. SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE LEAVING THE SITE.
3. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND AREAS OF LAND DISTURBANCE GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO APPROVED CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
4. THE PERMITEE IS RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL STRUCTURES. THESE STRUCTURES ARE TO BE INSPECTED BY THE PERMITEE EVERY TEN (10) DAYS AND AFTER EVERY PRECIPITATION EVENT TO INSURE THEIR EFFICIENCY AND TO EVALUATE MAINTENANCE NEEDS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE ANY MEASURES NECESSARY TO COMPLY WITH ANY CITY DUST CONTROL ORDINANCE. DUST CONTROL WILL NOT BE PAID AS A SEPARATE ITEM AND THE CONTRACTOR SHALL INCLUDED ALL COSTS ASSOCIATED WITH DUST CONTROL AS A PART OF HIS OVERALL BID FOR THIS PROJECT.
6. EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PER FINAL EROSION CONTROL PLAN.

GENERAL EROSION CONTROL NOTES:

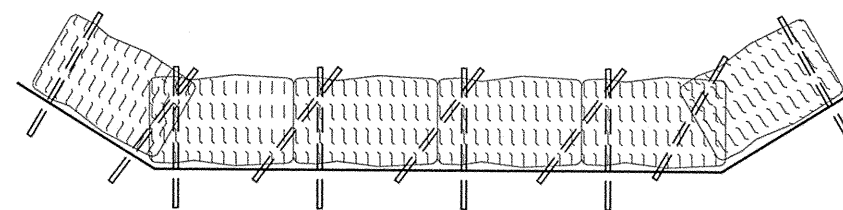
1. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF CLOVIS DEPARTMENT OF PUBLIC WORKS. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL NOTIFY THE CITY OF CLOVIS INSPECTION SECTION A MINIMUM OF FORTY EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION.
3. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION.
4. CONSTRUCTION SHALL NOT BEGIN UNTIL A PERMIT HAS BEEN ISSUED.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY TRACKING OR SEDIMENT ONTO AREA STREETS. STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD OUT.
6. EROSION AND SEDIMENT CONTROL STRUCTURES ARE TO BE INSPECTED AND MAINTAINED AFTER EVERY RUNOFF EVENT.
7. TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE REVEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSION ELEMENTS.
8. PERMANENT SOIL EROSION CONTROL MEASURES WILL INCLUDE PAVEMENT SURFACING AND PERMANENT LANDSCAPING. PERMANENT SOIL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN AS SOON AFTER REMOVAL OF TOPSOIL MATERIAL AS POSSIBLE. PRIOR TO INSTALLATION OF PERMANENT EROSION MEASURES, THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING MEASURES TO PREVENT EROSION OF DISTURBED SOIL BY ABNORMAL WINDS.
9. TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE MAINTAINED TO PREVENT DAMAGING FLOWS ON THE SITE AND IN THE WATERSHED BELOW THE SITE. TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.



PLAN VIEW

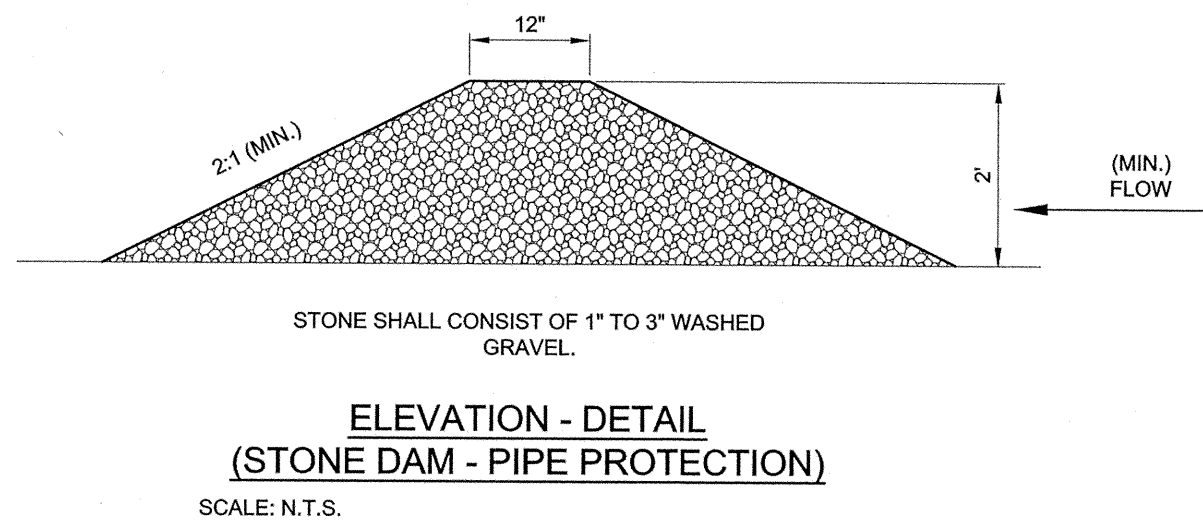


SECTION A-A



SECTION B-B

STRAW BALE CHECK DAM



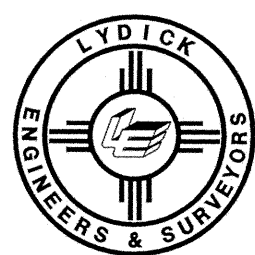
ELEVATION - DETAIL
(STONE DAM - PIPE PROTECTION)
SCALE: N.T.S.

CULVERT PROTECTION NOTES:

1. WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
2. THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
3. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURE'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RCL
DRAWN BY: JP/DL
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY: RCL
DATE: 01/18/2021



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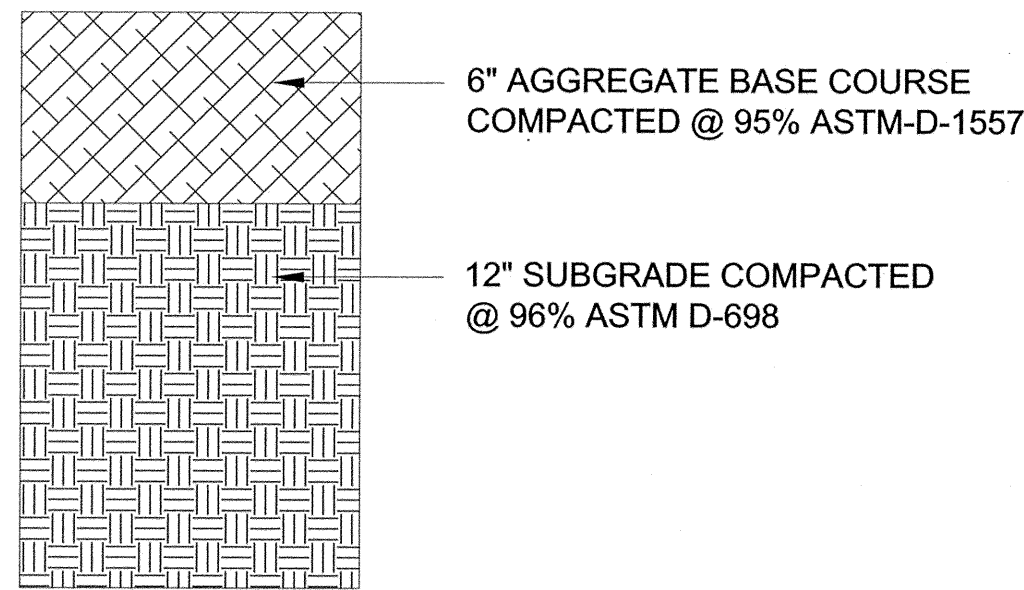
**ROOSEVELT COUNTY FAIRGROUNDS
STORMWATER DRAINAGE
IMPROVEMENTS PROJECT**

S.W.P.P.P. DETAILS

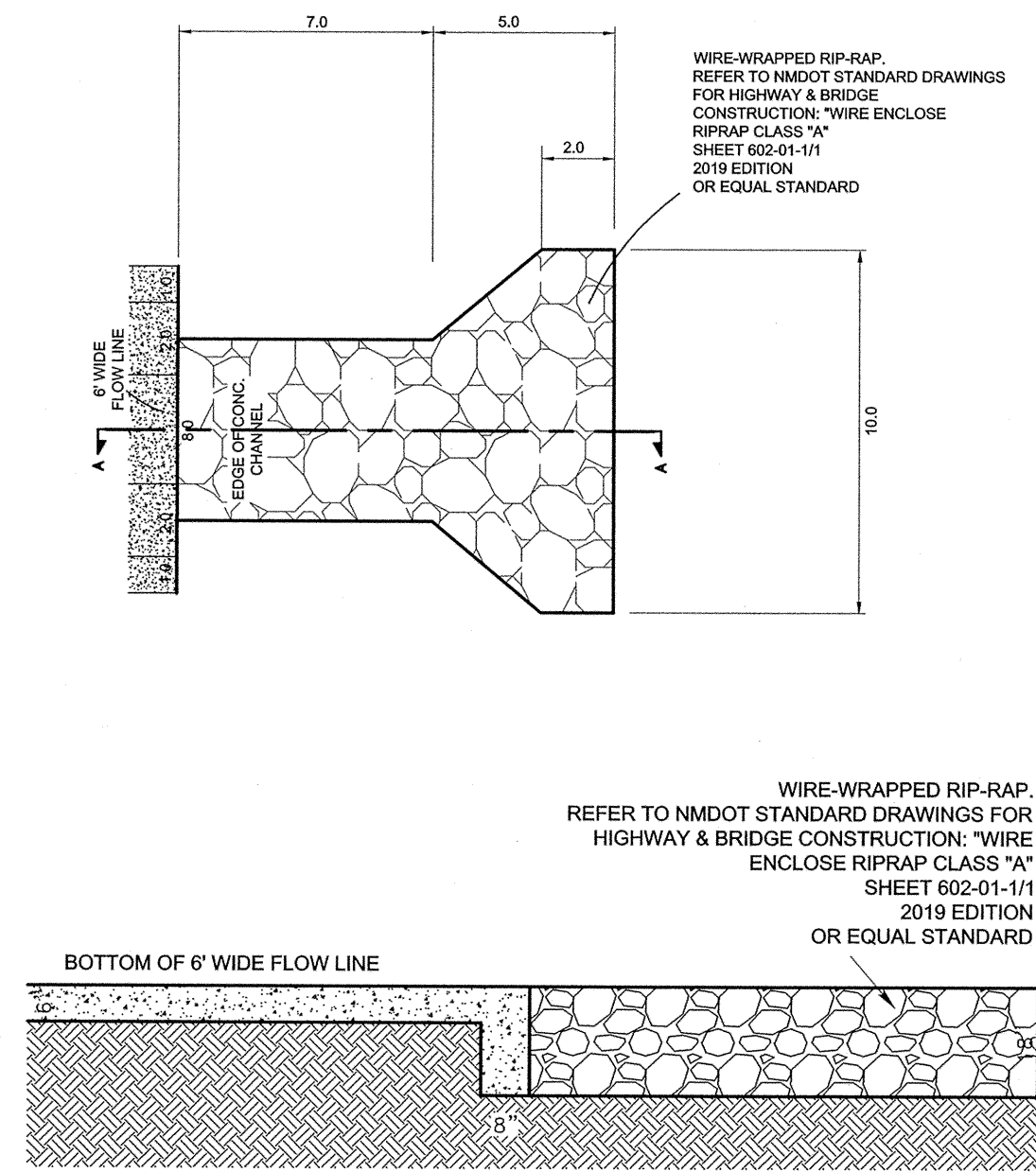
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FILE NAME:

SHEET NO.

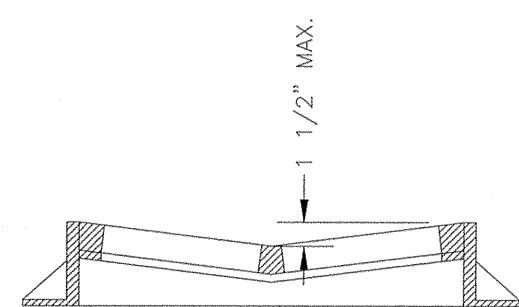
C-104



C1 PARKING LOT ASPHALT PAVEMENT SECTION
NTS

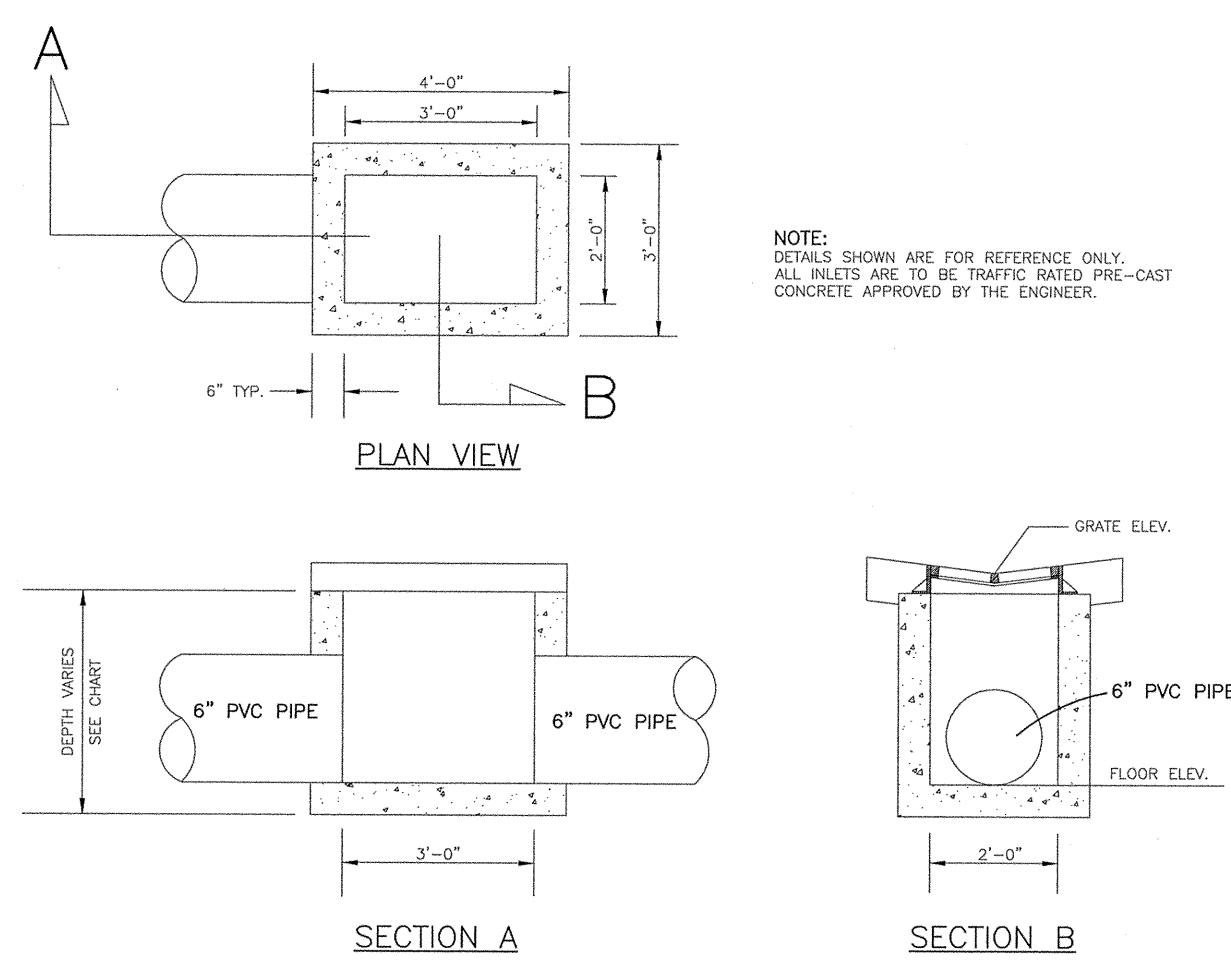


C2 OUTFLOW 12' CONC. CHANNEL DETAIL
NTS

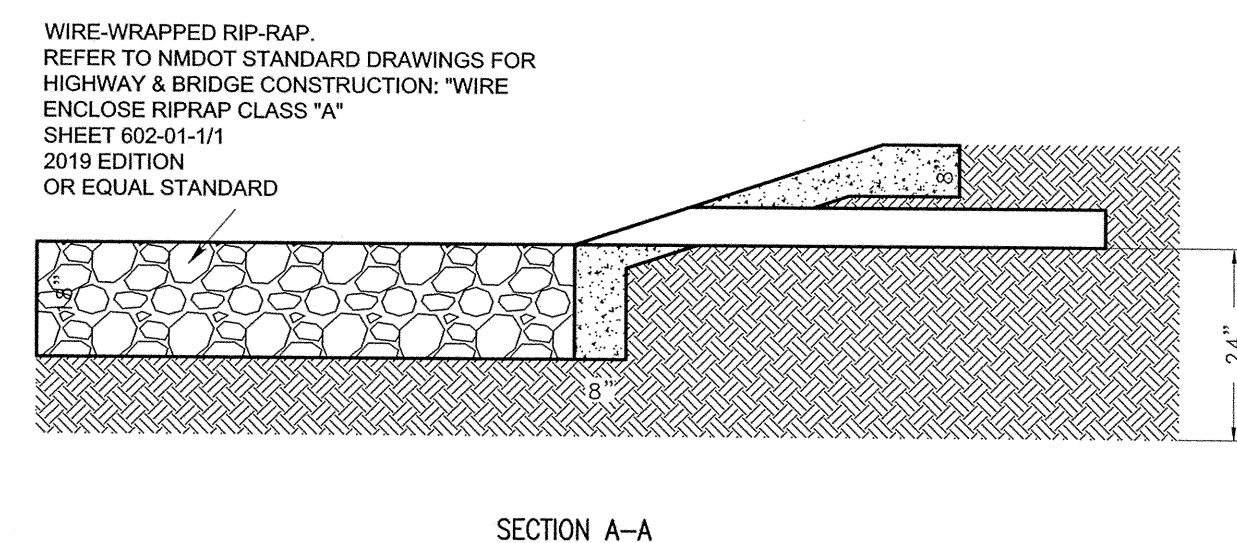
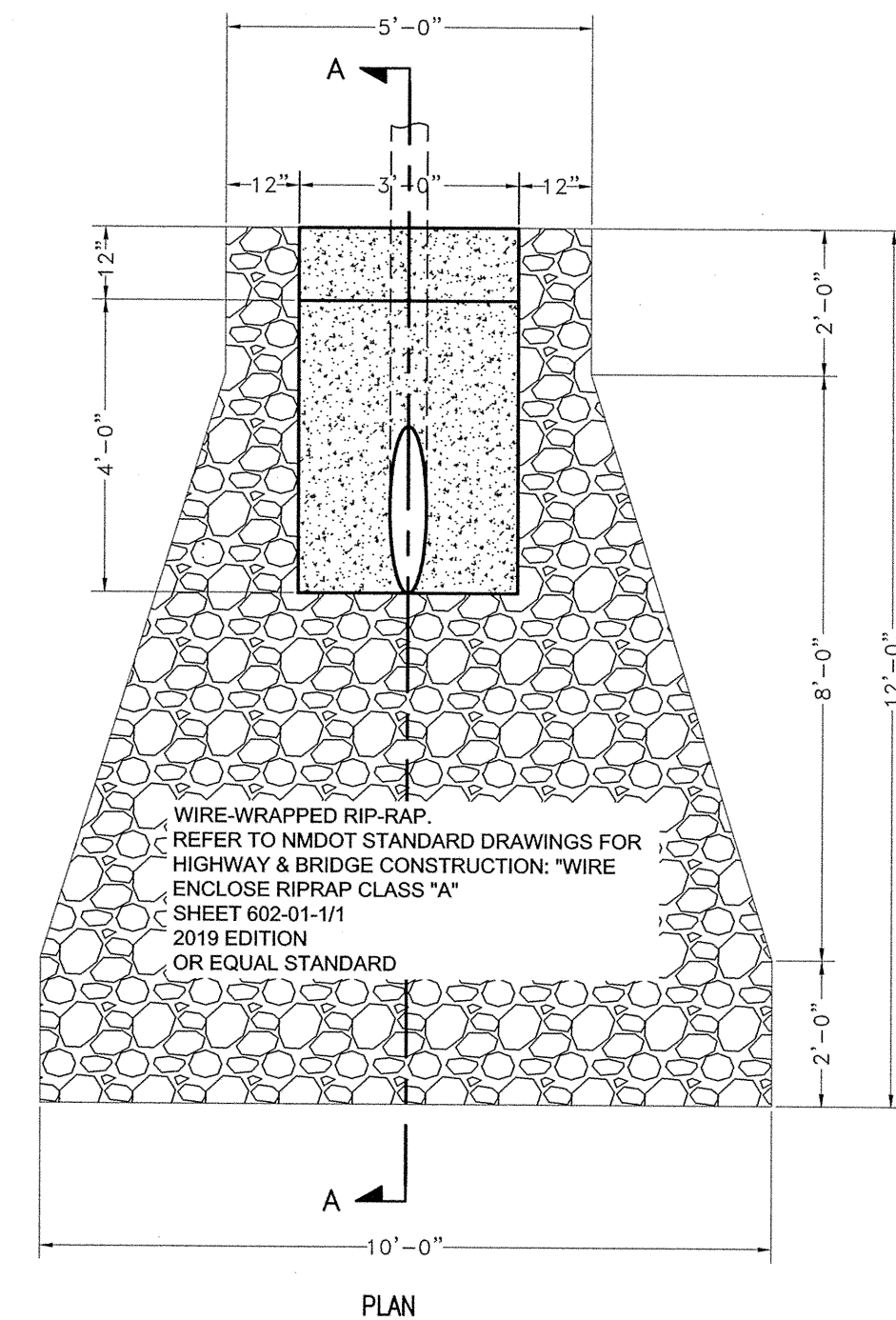


NOTE:
ALL INLET GRATES MUST BE "V" STYLE IN SHAPE AND BYCICLE SAFE, AND WILL NEED TO BE APPROVED BY THE ENGINEER.

C4 STEEL INLET GRATE
NTS



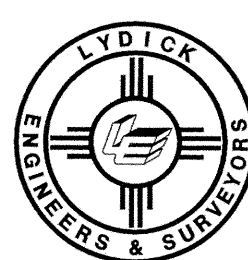
C5 PRE-CAST CONCRETE DROP INLET
NTS



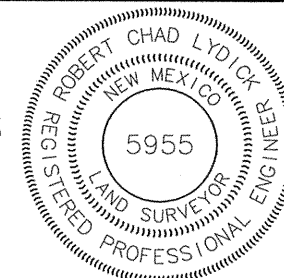
C3 OUTFLOW 24" CULVERT DETAIL
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	RCL
DRAWN BY:	JP/DL
SHEET CHK'D BY:	
CROSS CHK'D BY:	
APPROVED BY:	RCL
DATE:	01/18/2021



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**ROOSEVELT COUNTY FAIRGROUNDS
STORMWATER DRAINAGE
IMPROVEMENTS PROJECT**

CIVIL DETAILS

PROJECT NO. 25560
FILE NAME:

SHEET NO.

C-105