

Stormwater Quality Plan Information Sheet

and Inspection Fee Schedule

Project Name:

Murphy Express

Project Location:

(address or major cross streets/arroyo)
110 Eubank Boulevard NE

Plan Preparer Information:

Company:

Pan American Engineers, LLC

Contact:

Ron Bordelon

Address:

1717 Jackson Street
Alexandria, LA 71301

Phone Number: (O)

318-473-2100 (Cell (optional))

e-Mail:

ron@paealex.com

Owner Information:

Company:

Murphy Oil USA, Inc.

Contact:

Terry Rigdon

Address:

200 Peach Street, El Dorado, AR 71730

Phone:

870-881-6786

e-Mail:

Terry.Rigdon@murphyusa.com

I am submitting the ESC plan to obtain approval for:

Grading

x

Building Permit

Work Order Construction Plans

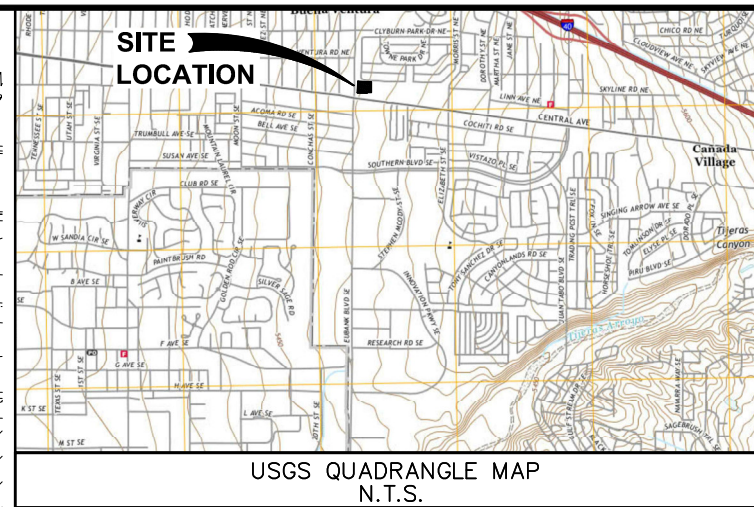
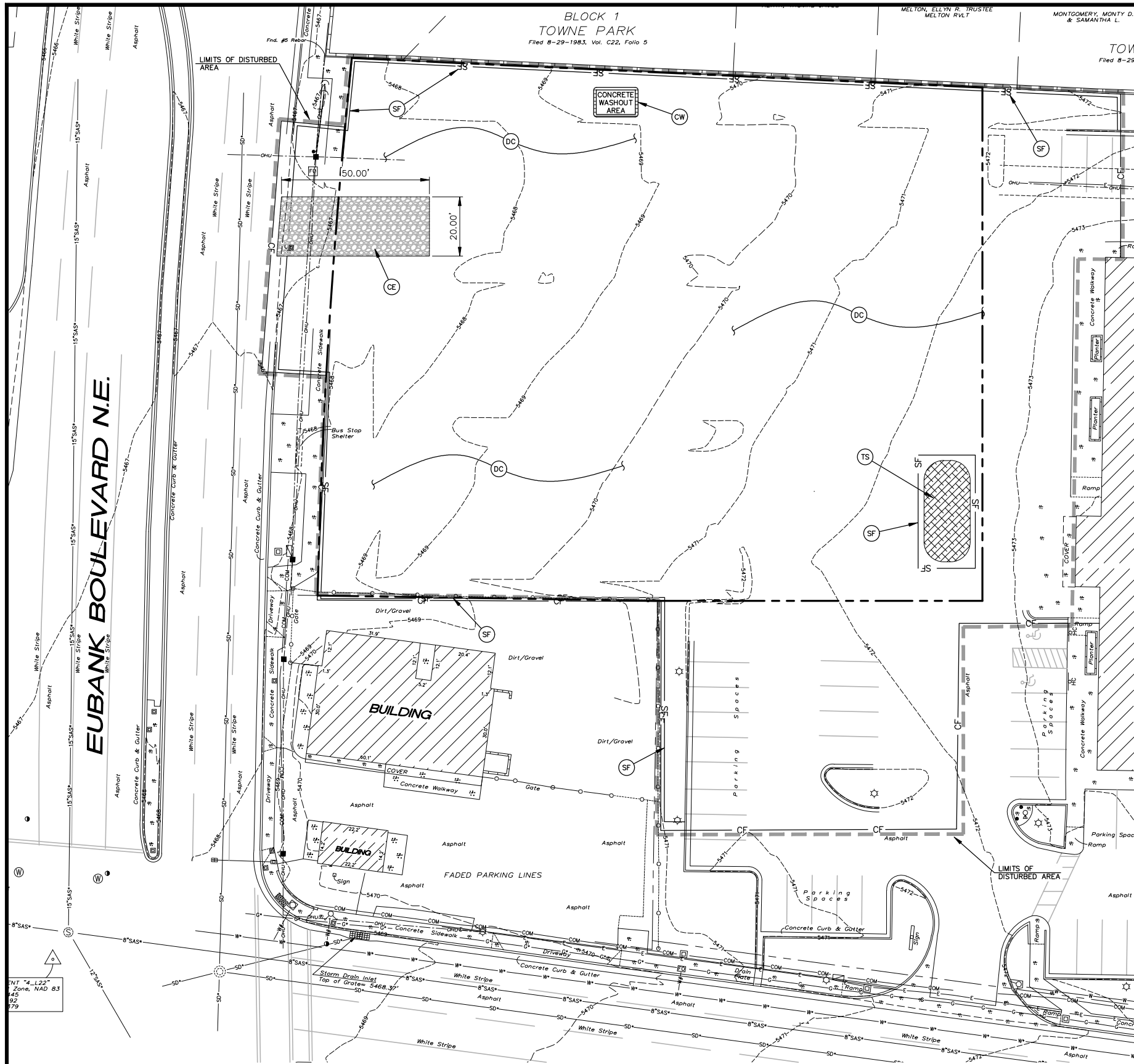
Note: More than one item can be checked for a submittal

Stormwater Quality Inspection fee: (based on development type and disturbed area)				
Commercial	< 2 acres \$300	<input checked="" type="checkbox"/>	2 to 5 acres \$500	<input type="checkbox"/> >5 acres \$800
Land/Infrastructure	< 5 acres \$300	<input type="checkbox"/>	5 to 40 acres \$500	<input type="checkbox"/> >40 acres \$800
Multi - family	< 5 acres \$500	<input type="checkbox"/>	≥5 acres \$800	
Single Family Residential	<5 acres \$500	<input type="checkbox"/>	5 to 40 acres \$1000	<input type="checkbox"/> > 40 acres \$1500

Plan Review fee is \$105 for the first submittal ☒ and \$75.00 for a resubmittal ☐

Total due equals the plan review fee plus the Stormwater Quality Inspection fee.

Total Due \$ 405



DISTURBED AREA:

1. TOTAL SITE AREA = 0.93 ACS.
2. DISTURBED AREA = 1.29 ACS.

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GENERAL EROSION NOTES

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
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- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
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- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
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- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
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- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

EXISTING	
	Storm Drain Manhole
	Sanitary Sewer Manhole
	Sanitary Sewer Line
	Storm Drain Line
	Storm Drain Inlet
	Underground Electric Line
	Underground Communications Line
	Underground Gas Line
	Underground Water Line
	Sanitary Sewer Clean-out
	Water Meter
	Water Valve
	Hydrant
	Cable Pedestal
	Electric Pedestal
	Utility Vault
	Traffic Box
	Telephone Pedestal
	Utility Box
	Fiber Optic Box
	Light Pole
	Ballard
	Concrete Symbol
	Raised Truncated Dome Mat
	Control Point

PROPOSED	
	BOUNDARY LINE
	CONTOUR ELEVATIONS
	CONSTRUCTION FENCE
	DRAINAGE FLOW
	LIMIT OF DISTURBED AREA
	SOIL TYPE DESIGNATION

PROJECT INFORMATION

RECEIVING WATER IS THE CITY DRAINAGE SYSTEM. DRAINAGE SYSTEM EVENTUALLY CONNECTS TO TIJERAS ARROYO ±2.3 MILES SOUTH OF PROJECT SITE.

PROPOSED PROJECT SITE MADE UP OF 3 COMMERCIAL LOT. STORM RUN-OFF FROM SITE WILL BE RETAINED ON-SITE.

PROPOSED PROJECT IS CONSTRUCTING A GAS STATION CONSISTING OF 2,824 S.F. CONVENIENT STORE WITH 8 PUMP ISLANDS AND ASSOCIATED PARKING AREA.

ANTICIPATED CONSTRUCTION START DATE IS AUGUST 17, 2020 AND COMPLETION DATE IS NOVEMBER 23, 2020.

CONTRACTOR TO TAKE APPROPRIATE MEASURES TO KEEP SEDIMENT FROM ESCAPING SITE AND ALL ACCUMULATED SEDIMENT SHALL BE CLEANED OUT AND REMOVED FROM SITE.

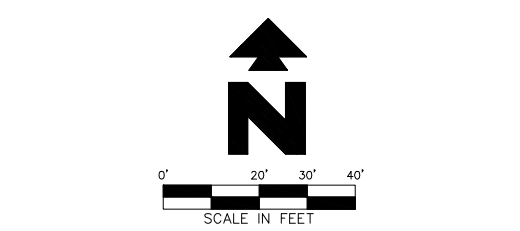
DOWNSTREAM CONDITION WILL NOT BE NEGATIVELY AFFECTED BY PROPOSED DEVELOPMENT.

EROSION DETAILS – SEE DETAIL SHEET C-4.3

	CE STABILIZED CONSTRUCTION ACCESS
	CW CONCRETE WASH OUT AREA
	SF SEDIMENTATION / SILT FENCE WITH WIRE SUPPORT
	DC DUST CONTROL (USING: PHASING OF THE PROJECT, STABILIZATION, SPRINKLING WATER, SPRAY-ON-ADHESIVE, CALCIUM CHLORIDE, BARRIES, ETC.)
	TS TEMPORARY STABILIZATION STOCKPILE

SITE SOILS

	TgB TIJERAS – GRAVELLY FINE SANDY LOAMY, 1 TO 5 PERCENT SLOPES
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24 HR EMERGENCY CONTACT:
TERRY RIGDON 870-866-7457

SEQUENCE OF CONSTRUCTION

- PHASE I**
- INSTALL PERIMETER CONSTRUCTION FENCE.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCES.
 - PREPARE TEMPORARY PARKING AND STORAGE AREA.
 - CONSTRUCT THE SILT FENCES ON THE SITE.
 - INSTALL ALL PERIMETER SEDIMENT MEASURES.
 - DEMOLISH ALL TEMPORARY EROSION & SEDIMENT CONTROLS AS NEEDED.
 - DEMOLISH ANY EXISTING STRUCTURES AS REQUIRED FOR PROPOSED IMPROVEMENTS.
 - CLEAR THE SITE.
 - BEGIN GRADING THE SITE.
- PHASE II**
- START CONSTRUCTION OF UST INSTALL, BUILDING FOOTINGS, STRUCTURES, AND ANY OFF-SITE IMPROVEMENTS.
 - TEMPORARILY STABILIZE DENUDED AREAS.
 - INSTALL UTILITIES, UNDER DRAINS, STORM SEWERS, CURBS AND GUTTERS.
 - INSTALL INLET/FLUME PROTECTION DEVICES.
 - PREPARE SITE FOR PAVING.
 - PAVE SITE.
 - COMPLETE GRADING AND INSTALL PERMANENT AND PLANTINGS.
 - REMOVE EROSION AND TEMPORARY SEDIMENT CONTROL DEVICES AFTER FINAL STABILIZATION IS ACHIEVED.

BMP MAINTENANCE NOTES

- ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURE SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
 - SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF OF THE SILT FENCE.
 - THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
 - FILTER TUBES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM TUBES WHEN IT REACHES 1/3 OF ITS EXPOSED HEIGHT. SEE DETAILS.
 - PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES."

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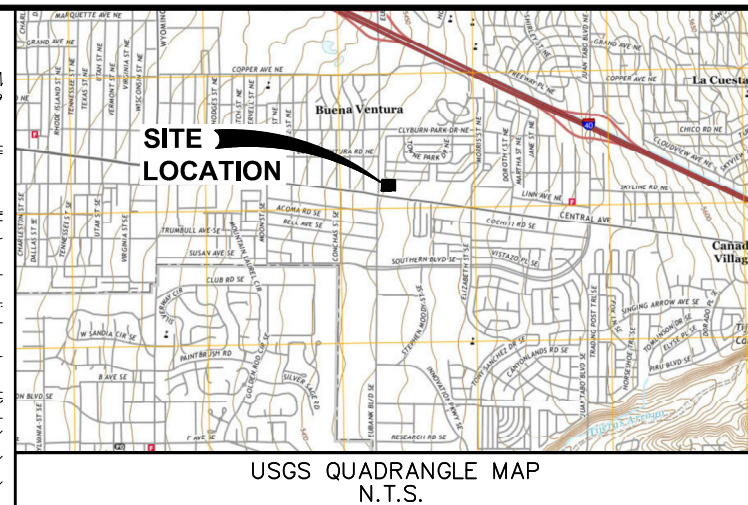
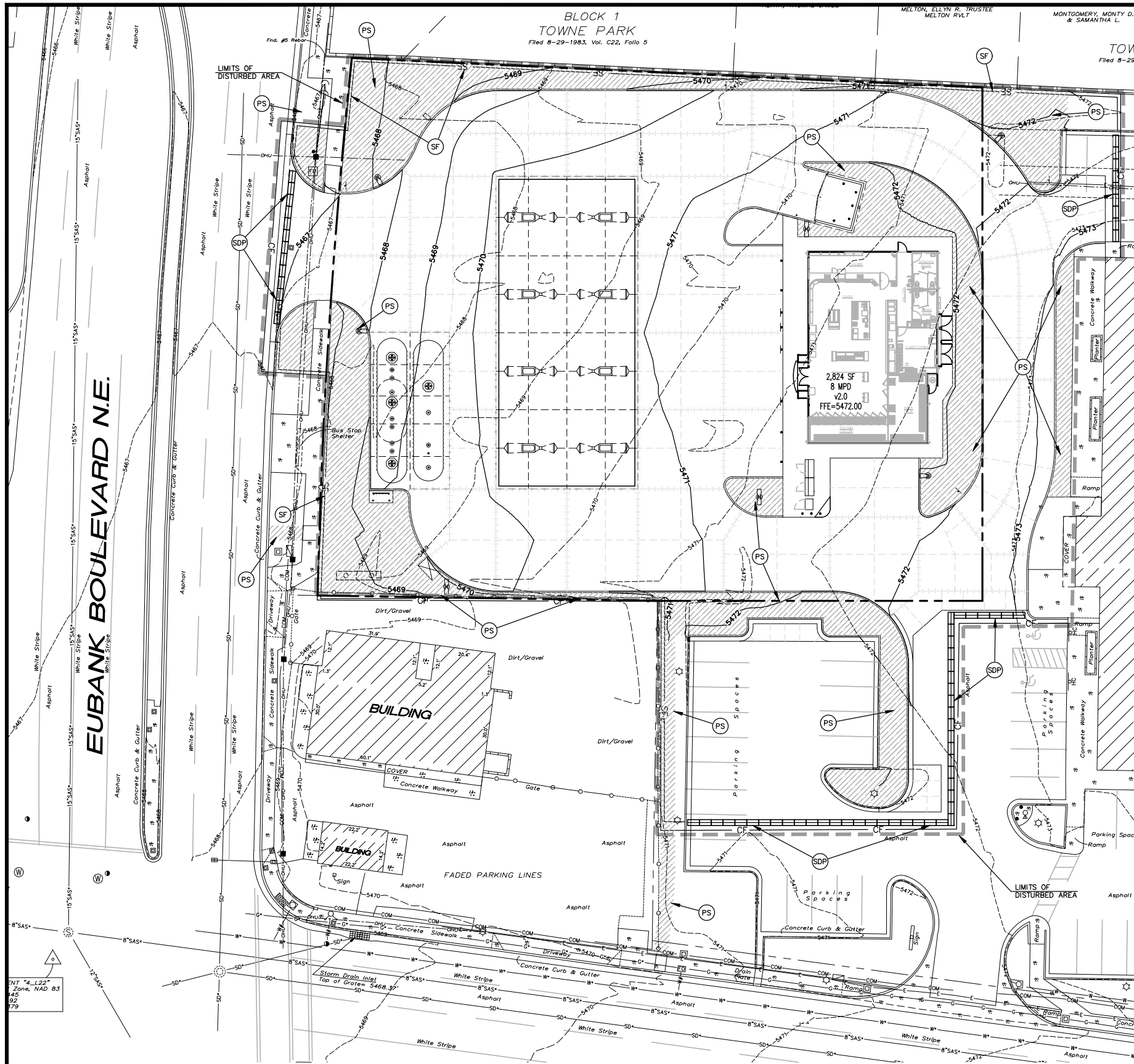
SHEET NO. C-4

THOMAS C. DAVID JR.
NEW MEXICO
24592
PROFESSIONAL ENGINEER
8/1/20
Amos P. Blum Jr.

EROSION CONTROL PH. I
MURPHY EXPRESS
110 EUBANK BOULEVARD N.E.
ALBUQUERQUE NEW MEXICO

PAN AMERICAN ENGINEERS, LLC
1717 JACKSON STREET
ALEXANDRIA, LA. 71301
(504) 475-2500
CONTACT: RON BORDELON

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730
MURPHY USA



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	SF	SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT
	SDP	SILT DIKE (ON EXISTING PAVEMENT)
	PS	PERMANENT STABILIZATION

SITE SOILS

	TgB	TIJERAS - GRAVELLY FINE SANDY LOAMY, 1 TO 5 PERCENT SLOPES
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24 HR EMERGENCY CONTACT:
TERRY RIGDON 870-866-7457

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SHEET NO.
C-4.1



8/1/20
Thomas C. David, Jr.

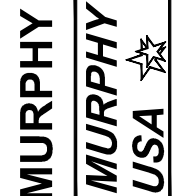
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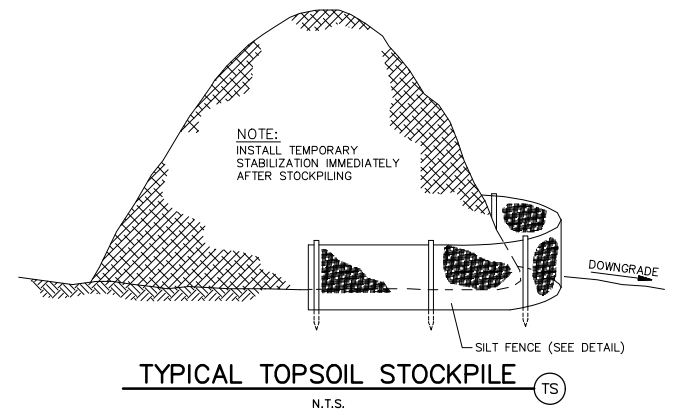
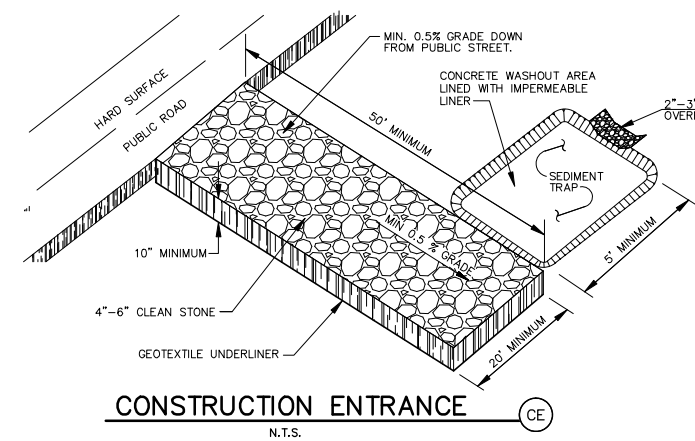
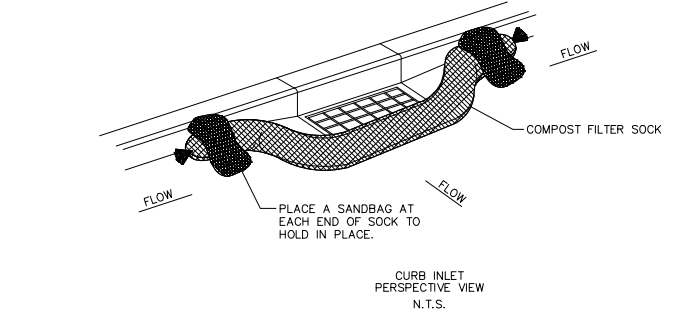
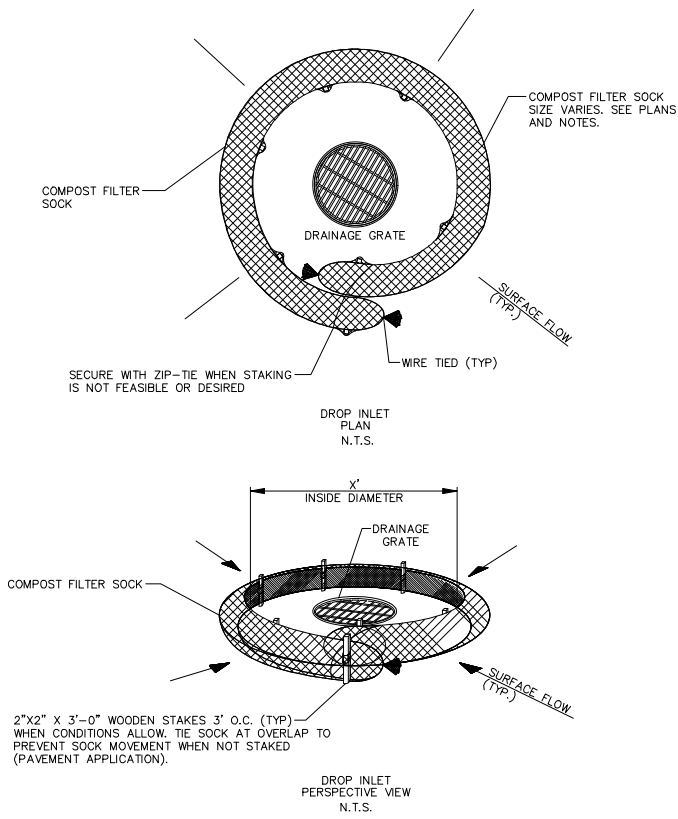
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REV-0
DATE 8/1/20
TCD PRN
JNS JNS
RDB PM
JNS DES
JNS DRW



PAN AMERICAN ENGINEERS, LLC
1717 JACKSON STREET
ALEXANDRIA, LA 71301
CONTACT: RON BORDELON

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730





USAGE NOTES:

- ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE FILTER SOCK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
- OVERLAP ENDS OF SOCK PER MANUFACTURERS RECOMMENDATIONS. (1' MIN. 3' MAX.)
- USE 8" TO 12" DIA. SOCK ON CURBSIDE IN TRAFFIC AREAS.
- USE 12" - 18" DIA. SOCK IN NON-TRAFFIC AREAS OR AREAS WHERE SAFETY IS NOT A CONCERN.

DESIGN CRITERIA:

COMPOST FILTER SOCKS ARE DESIGNED TO RETAIN SEDIMENT TRANSPORTED IN SHEET FLOW FROM DISTURBED AREAS. COMPOST FILTER SOCKS PERFORM THE SAME FUNCTION AS SILT FENCE, ALLOW A HIGHER FLOW RATE, AND ARE USUALLY FASTER AND CHEAPER TO INSTALL. WHERE ALL RUNOFF IS TO BE TREATED BY THE COMPOST FILTER SOCK THE MAXIMUM SLOPE LENGTH BEHIND THE COMPOST FILTER SOCK SHALL NOT EXCEED THOSE SHOWN IN TABLE 1. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FT OF COMPOST FILTER SOCK.

THE SEDIMENT AND POLLUTANT REMOVAL PROCESS CHARACTERISTIC TO COMPOST FILTER SOCKS COMBINES BOTH FILTERING AND DEPOSITION FROM SETTLING SOLIDS. THIS IS DIFFERENT THAN METHODS THAT RELY ON PONDING FOR DEPOSITION OF SOLIDS FOR SEDIMENT CONTROL, SUCH AS SILT FENCE. PONDING OCCURS WHEN WATER FLOWING TO THE COMPOST FILTER SOCK ACCUMULATES FASTER THAN THE HYDRAULIC FLOW THROUGH RATE OF THE COMPOST FILTER SOCK. HYDRAULIC FLOW-THROUGH RATES FOR COMPOST FILTER SOCKS ARE 50% GREATER THAN SILT FENCE FILTER FABRIC. GREATER HYDRAULIC FLOW-THROUGH RATES REDUCE PONDING. COMPOST FILTER SOCK MESH NETTING SHALL MEET THE NETTING SPECIFICATION IN TABLE 2. COMPOST FILTER SOCKS SHALL MEET THE SPECIFICATIONS IN TABLE 3. COMPOST USED IN COMPOST FILTER SOCKS SHALL MEET THE SPECIFICATION DESCRIBED UNDER COMPOST FILTER MEDIA SPECIFICATIONS.

A 12 INCH DIAMETER COMPOST FILTER SOCK SHALL BE USED ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL TO SIX MONTHS. A 12 INCH DIAMETER COMPOST FILTER SOCK MAY ALSO BE USED ON MINOR PROJECTS, SUCH AS RESIDENTIAL HOME SITES OR SMALL COMMERCIAL DEVELOPMENTS.

Land Slope	Maximum Slope Length Above Compost Filter Sock
Percent	Feet
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20*	15

*In areas where the slope is greater than 20%, a flat area length of 10 ft between the toe of the slope to the compost filter sock should be provided.

Material Type	Multi-Filament Polypropylene	Multi-Filament Polypropylene
Material Characteristic	Photodegradable	Photodegradable
Mesh Opening	3/8 in (10mm)	1/8 in (3mm)
"Tensile Strength (ASTM 503-95)"	44 psi (3.09 kg/cm2)	202 psi (14.2 kg/cm2)*
% Original Strength from Ultraviolet Exposure (ASTM G-155)	100% at 1000 hr	100% at 1000 hr

TABLE 3	
	12 in (300mm) Diameter
Effective Circumference	38 in (960mm)
Density (when filled)	32 lbs/ft (50 kg/m)
Air Space	20%
Hydraulic Flow Through Rate	11.3 gpm/ft (141 L/min/m)
P Factor (RUSLE)	0.1-0.32

COMPOST FILTER SOCK (CFS)

COMPOST FILTER MEDIA SPECIFICATIONS

COMPOST USED FOR COMPOST FILTER SOCK FILLER MATERIAL (FILTER MEDIA) SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS INCLUDING TIME AND TEMPERATURE DATA. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW US COMPOSTING COUNCIL TEST METHODS FOR THE EXAMINATION OF COMPOSTING AND COMPOST GUIDELINES FOR LABORATORY PROCEDURES:

- PH -5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST"
- PARTICLE SIZE -99% PASSING A 2 IN (50MM) SIEVE AND A MAXIMUM OF 40% PASSING A 3/8 IN (9.5MM) SIEVE, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION" (NOTE- IN THE FIELD, PRODUCT COMMONLY IS BETWEEN 1/2 IN [12.5MM] AND 2 IN [50MM] PARTICLE SIZE.)
- MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
- MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.
- A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

CONSTRUCTION SPECIFICATIONS

THE COMPOST FILTER SOCK SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

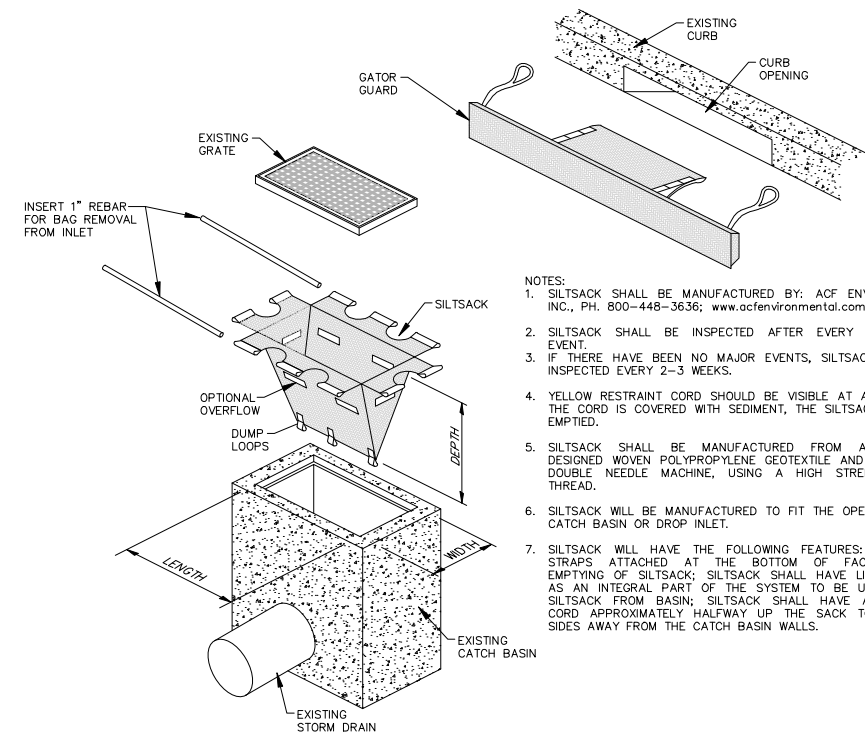
- COMPOST FILTER SOCKS SHOULD BE INSTALLED PARALLEL TO THE BASE OF THE SLOPE OR OTHER DISTURBED AREA. IN EXTREME CONDITIONS (I.E., 2:1 SLOPES), A SECOND COMPOST FILTER SOCK SHALL BE CONSTRUCTED AT THE TOP OF THE

SLOPE.

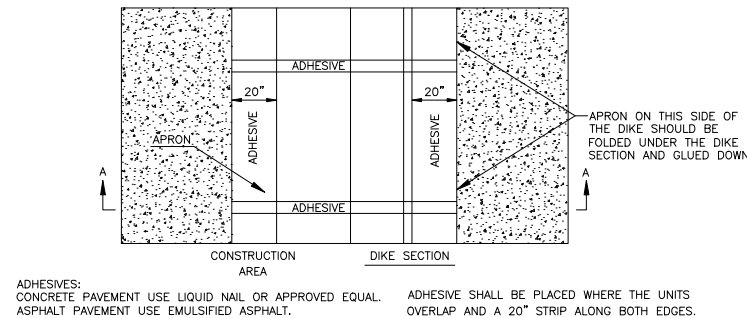
- STAKES SHALL BE INSTALLED THROUGH THE MIDDLE OF THE COMPOST FILTER SOCK ON 10 FT (3M) CENTERS, USING 2 IN (50MM) BY 2 IN (50MM) BY 3 FT (1M) WOODEN STAKES. IN THE EVENT STAKING IS NOT POSSIBLE, I.E., WHEN COMPOST FILTER SOCKS ARE USED ON PAVEMENT, HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE COMPOST FILTER SOCKS TO HELP STABILIZE DURING RAINFALL/RUNOFF EVENTS.
- STAKING DEPTH FOR SAND AND SILT LOAM SOILS SHALL BE 12 IN (300MM), AND 8 IN (200MM) FOR CLAY SOILS.
- LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE COMPOST FILTER SOCK, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.
- IF THE COMPOST FILTER SOCK IS TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, IT MAY BE SEEDED AT TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION. THE ENGINEER WILL SPECIFY SEED REQUIREMENTS.
- COMPOST FILTER SOCKS ARE NOT TO BE USED IN PERENNIAL, EPHEMERAL, OR INTERMITTENT STREAMS.

MAINTENANCE

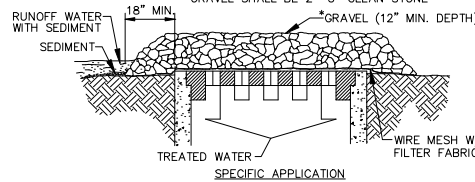
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. COMPOST FILTER SOCKS SHALL BE REPLACED WHENEVER IT HAS DEGRADED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF COMPOST FILTER SOCK IS REDUCED. COMPOST FILTER SOCKS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATION AT THE COMPOST FILTER SOCK SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE COMPOST FILTER SOCK IS REMOVED.



- NOTES:
- SILTSACK SHALL BE MANUFACTURED BY: ACF ENVIRONMENTAL, INC., PH. 800-448-3636; www.acfenvironmental.com
 - SILTSACK SHALL BE INSPECTED AFTER EVERY MAJOR RAIN EVENT.
 - IF THERE HAVE BEEN NO MAJOR EVENTS, SILTSACK SHALL BE INSPECTED EVERY 2-3 WEEKS.
 - YELLOW RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF THE CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHALL BE EMPTIED.
 - SILTSACK SHALL BE MANUFACTURED FROM A SPECIALLY DESIGNED WOVEN POLYPROPYLENE GEOTEXTILE AND SEWN BY A DOUBLE NEEDLE MACHINE, USING A HIGH STRENGTH NYLON THREAD.
 - SILTSACK WILL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN OR DROP INLET.
 - SILTSACK WILL HAVE THE FOLLOWING FEATURES: TWO DUMP STRAPS ATTACHED AT THE BOTTOM OF FACILITATE THE EMPTYING OF SILTSACK; SILTSACK SHALL HAVE LIFTING LOOPS AS AN INTEGRAL PART OF THE SYSTEM TO BE USED TO LIFT SILTSACK FROM BASIN; SILTSACK SHALL HAVE A RESTRAINT CORD APPROXIMATELY HALFWAY UP THE SACK TO KEEP THE SIDES AWAY FROM THE CATCH BASIN WALLS.

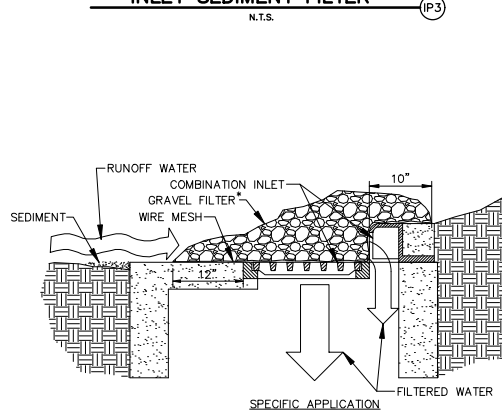


SILTSACK (SS)



THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

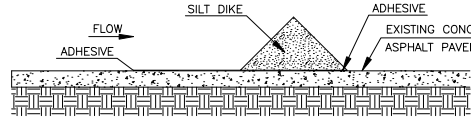
GRAVEL AND WIRE MESH INLET SEDIMENT FILTER (IP3)



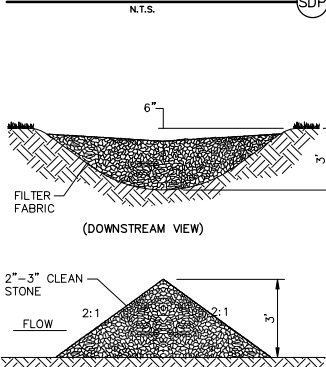
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT COMBINATION INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GRAVEL SHALL BE 2"-3" STONE

TEMPORARY GRAVEL COMBINATION INLET SEDIMENT FILTER (IP6)



SILT DIKE (ON EXISTING PAVEMENT) (SOP)



ROCK CHECK DAM (RCD)

SHEET NO.

C-4.2




8/1/20
Amos P. Blum Jr.

EROSION CONTROL DETAILS
MURPHY EXPRESS
110 EUBANK BOULEVARD N.E.
ALBUQUERQUE
NEW MEXICO

PAN AMERICAN ENGINEERS, LLC
1717 JACKSON STREET
ALEXANDRIA, LA. 71301
(504) 475-2100
CONTACT: RON BORDOLON

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730
MURPHY USA

NPDES FORM		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 Low Erosivity Waiver Certification	FORM Approved OMB No. 2-4-0004
Waiver Eligibility Information			
NPDES ID: NMR10037D			
State where your construction site is located: NM			
Is your construction site located on Indian Country Lands? No			
Are you requesting coverage under this NOI as a "Federal Operator" as defined in Appendix A (https://www.epa.gov/sites/production/files/2019-05/documents/final_2017_cgp_appendix_a_-_definitions.pdf)? No			
Is construction activity at the project site less than five (5) acres in area? Yes			
➔ Is your rainfall erosivity factor (R-Factor (https://lew.epa.gov)) less than five (5)? Yes			
Low Erosivity Waiver Information			
Estimated Project Start Date: 11/02/2020			
Estimated Project End Date: 02/25/2021			
Estimated Area to be Disturbed (in Acres): 1.5			
Construction site's R-Factor 0.924			
Rainfall Erosivity factor was calculated using: EPA Fact Sheet 3.1			
Are interim non vegetative site stabilization measures used to establish the project completion date for purposes of obtaining this waiver? Yes			
Operator Information			
Operator Name: Red Shamrock 21, LLC			
Operator Mailing Address:			
Address Line 1: 8220 San Pedro Drive NE #500			
Address Line 2:			
City: Albuquerque			
ZIP/Postal Code: 87113			
State: NM			
County or Similar Division: BERNALILLO			
Operator Point of Contact Information			
First Name Middle Initial Last Name: Trish Kvern			
Title: President			
Phone: 505-998-9093			
Ext.:			
Email: trish@retailsouthwest.com			
Project/Site Information			
Project/Site Name: Murphy Express			
Project/Site Address			
Address Line 1: 110 Eubank Boulevard NE			
Address Line 2:			
City: Albuquerque			
ZIP/Postal Code: 87123			
State: NM			
County or Similar Division: BERNALILLO			
Latitude/Longitude: 35.072563°N, 106.531992°W			

Latitude/Longitude Data Source: <u>Map</u>	Horizontal Reference Datum: <u>WGS 84</u>
Is your project/site located on federally recognized Indian Country lands? No	
Certification Information 	
<p>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.</p> <p>Certified By: Trisha Kvern</p> <p>Certifier Title: Development Director</p> <p>Certifier Email: trish@skarsgardfirm.com</p> <p>Certified On: 08/14/2020 11:02 AM ET</p>	