EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN WATER AND WASTEWATER GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO CONSTRUCTION, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, AND FILLING OUT THE NOTICE OF TERMINATION (NOT) APPLICATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR

THE IMPLEMENTATION OF AND INSPECTION REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY

FACILITIES CLEARLY SHOWN. ANY CHECK DAMS, SILT FENCES, OR OTHER BEST MANAGEMENT PRACTICES (BMPS) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL BE INCLUDED IN AND ARE INCIDENTAL TO THE SWPPP BID AMOUNT.

 2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.
 3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIES.

4. THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPS IDENTIFIED IN THE APPROVED SWPPP TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY DURING A RAIN OR WIND EVENT.

5. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. 6. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE SWPPP.

7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

8. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE SEEDING PER SECTION 1012 OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHARTER, LATEST EDITION.

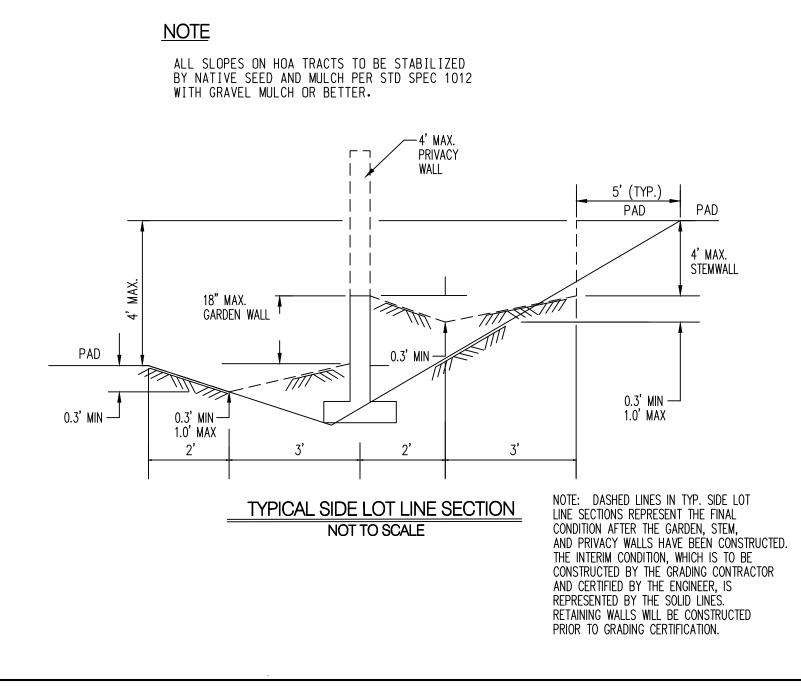
9. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED

SPECIES, AND ARCHAEOLOGICAL RESOURCES. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT 505-827-9329.

11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

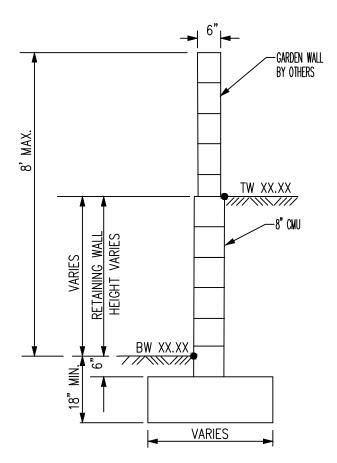
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

13. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPS IDENTIFIED IN THE APPROVED SWPPP.



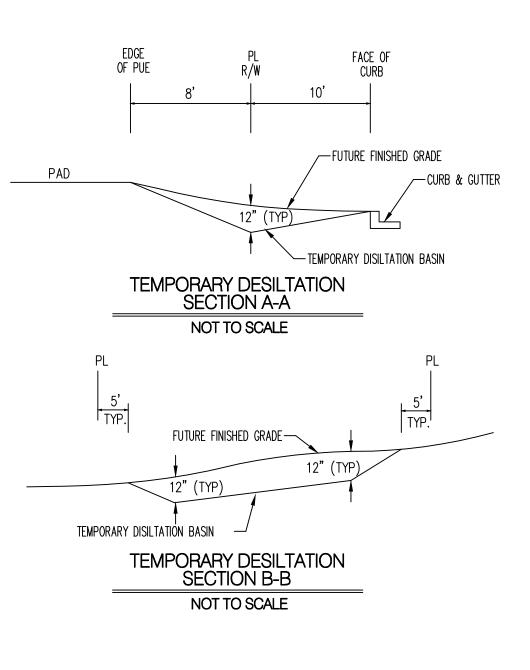
# EROSION AND SEDIMENT CONTROL PLAN (ESC PLAN) TOTAL SITE ACRES 37.9 ACRES

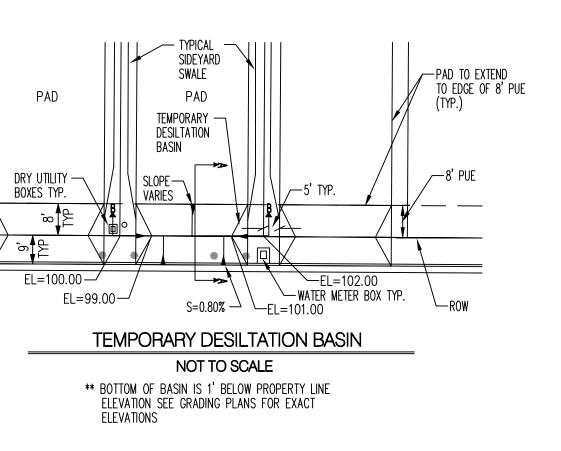
TOTAL DISTURBED AREA 37.9 ACRES REFER TO SITE SWPPP FOR ADDITIONAL COMPLIANCE REQUIREMENTS. REFER TO THE ESC BMP DETAILS FOR INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.



TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL <u>TYPICAL RETAINING WALL NOMENCLATURE</u> NOT TO SCALE

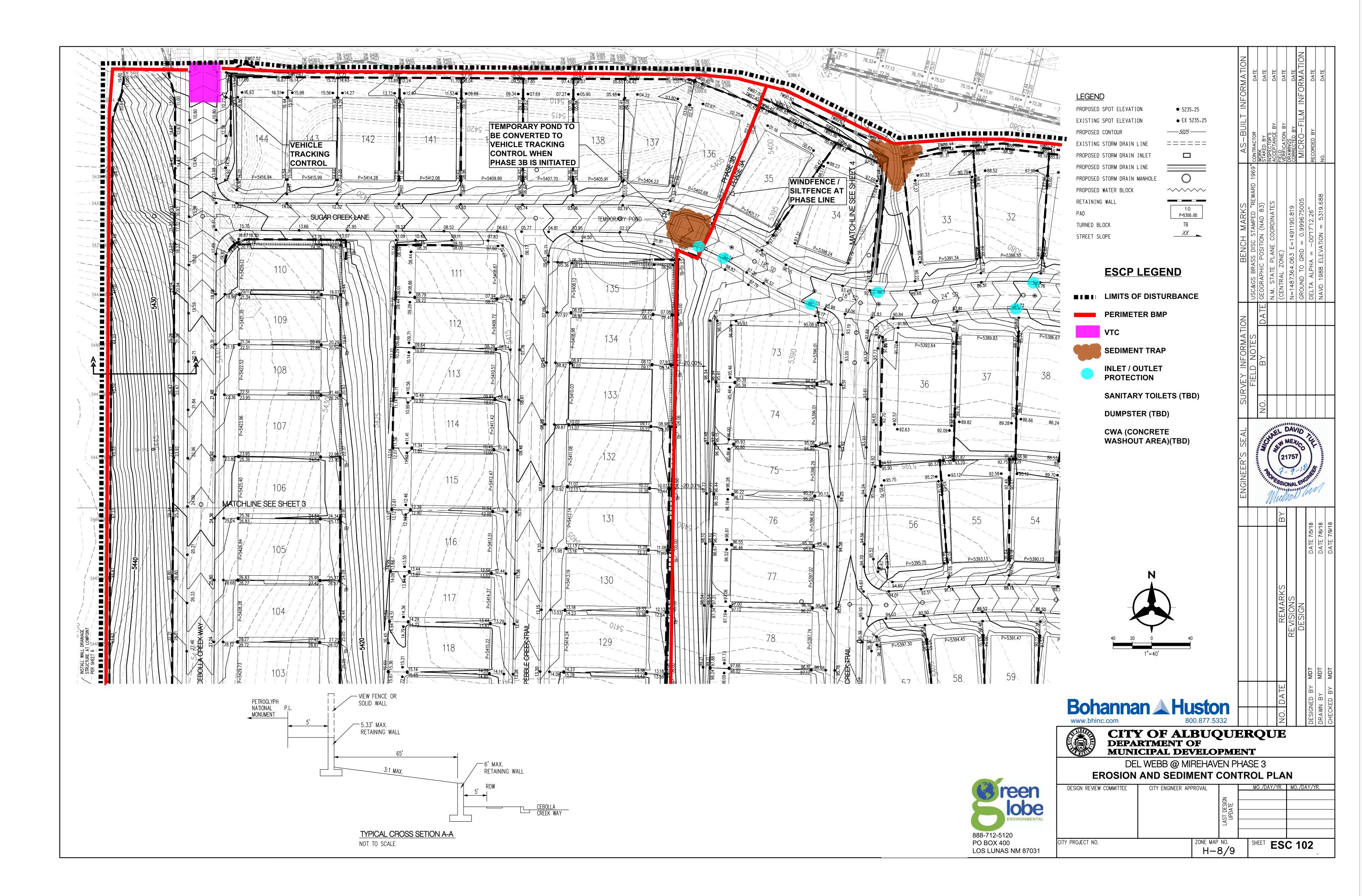
(RETAINING HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.) HEIGHT IS IN ACCORDANCE WITH CITY COMPREHENSIVE ZONING CODE, SECTION 14–16–3–19, GENERAL HEIGHT AND DESIGN REGULATIONS FOR WALLS, FENCES, AND RETAINING WALLS.

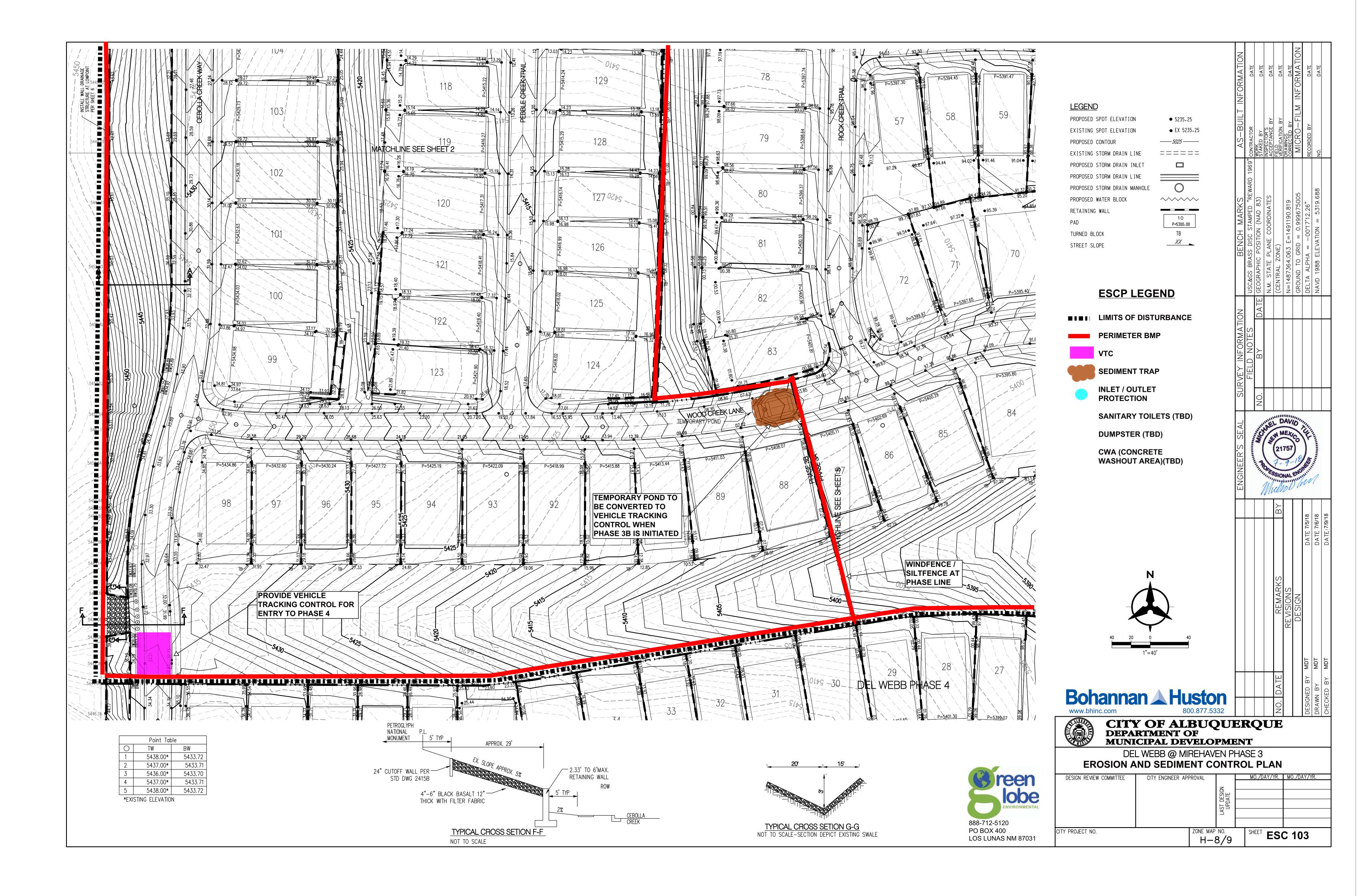


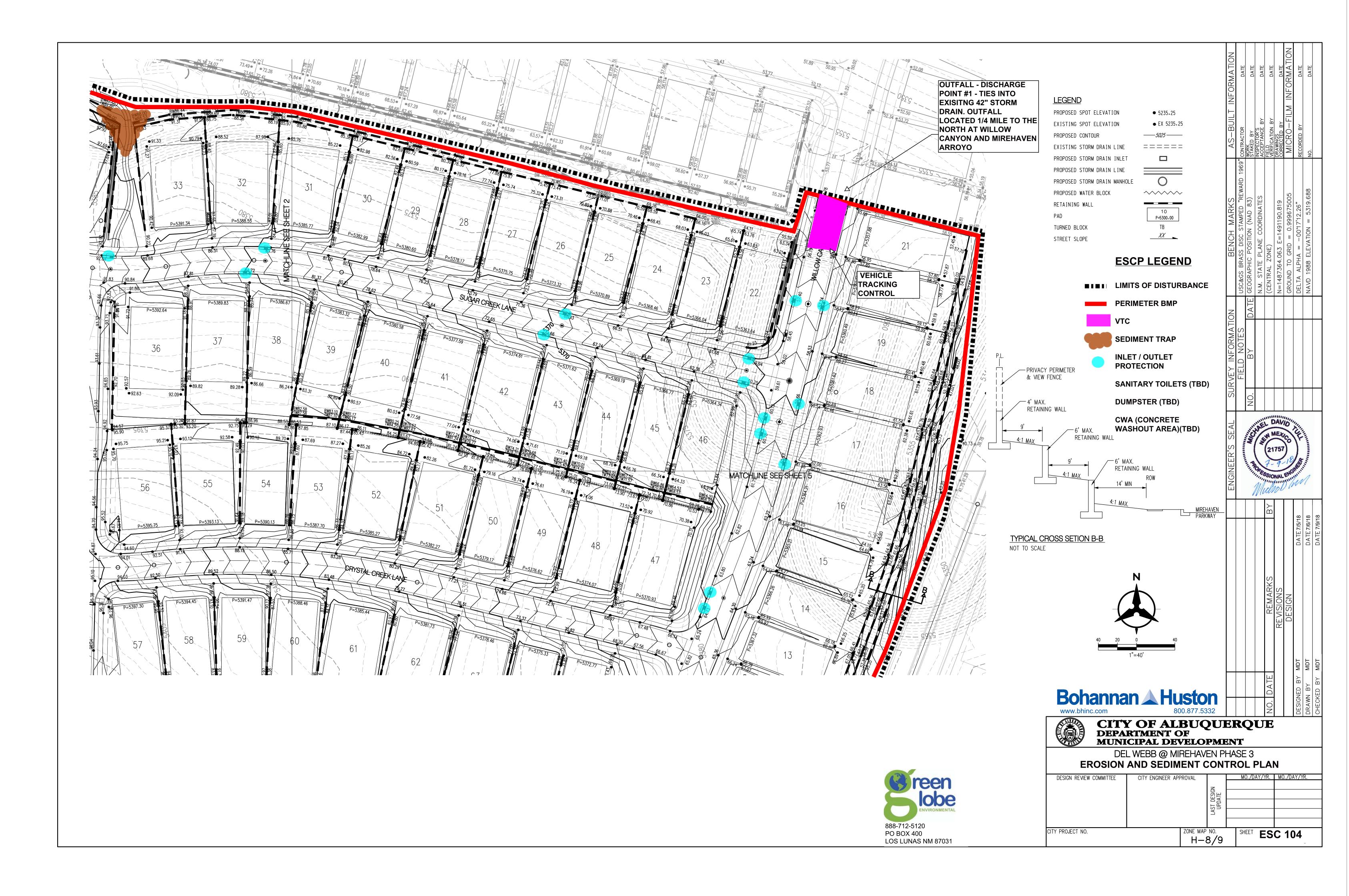


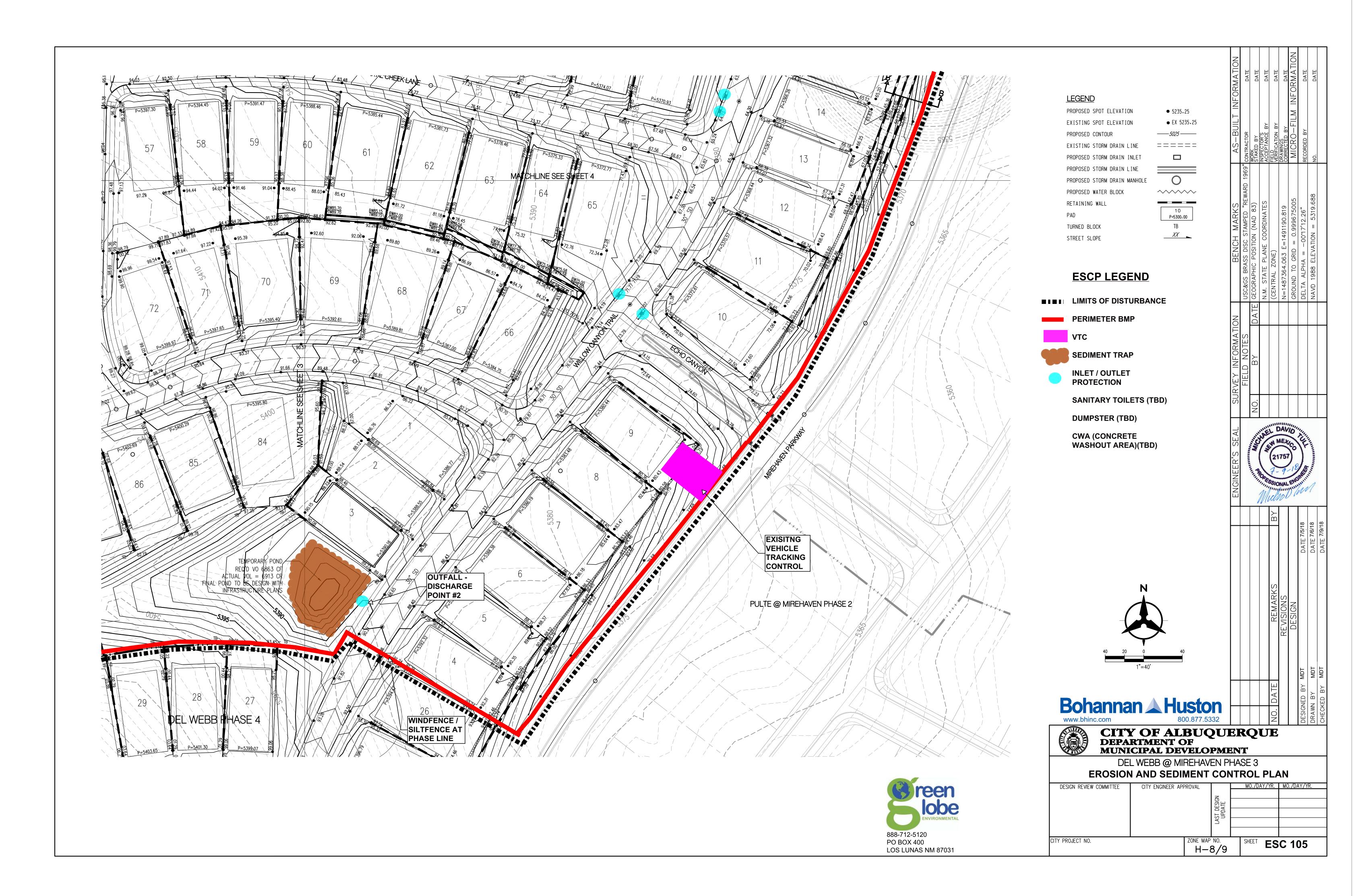


GENERAL NOTES 1. ALL WORK DETAILED ON THESE PLANS AND PER PROJECT SPECIFICATIONS AND THE PROJECT CENTER				ATION	DATE	DATE	DATE	DATE	RMATIO	DATE	DATE
PROJECT SPECIFICATIONS AND THE PROJECT GEOTE( STANDARDS SHALL APPLY. 2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL,				ORM	D,	D,	Ď		FORN	Ď	Ď
<ol> <li>CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING</li> <li>PRIOR TO CONSTRUCTION, THE CONTRACTOR SH</li> </ol>	GEPA REQUIREMENTS WITH RESPECT TO STO	ORM WATER DISCHARGE.		T INF					N N		
OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILIT CONSTRUCTION OBSERVER OR ENGINEER SO THAT T	IES. SHOULD A CONFLICT EXIST, THE CONT	RACTOR SHALL NOTIFY THE		-BUIL	OR	~	CE BY	ON BY	<u>0 - FII</u>	ΒY	
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVA EXISTING UTILITIES.	TION, THE CONTRACTOR SHALL CONTACT LI	NE LOCATING SERVICE FOR LOCA	ATION OF	AS-	ON TRACT	URK TAKED B	SPECTOR CCEPTAN	VERIFICATION DRAWINGS	MICR	RECORDED	o'
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS A CONSTRUCTION THAT REQUIRE RELOCATION, SHALL F COORDINATION OF ALL NECESSARY UTILITY ADJUSTM INCONVENIENCES CAUSED BY UTILITY COMPANY WOR ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED	BE COORDINATED WITH THAT UTILITY. THE ( IENTS. NO ADDITIONAL COMPENSATION WILL K CREWS. THE CONTRACTOR MAY BE REQU	CONTRACTOR SHALL BE RESPON BE ALLOWED FOR DELAYS OR	SIBLE FOR		1969"	N N	<u>z X</u>		3	RE	ÖZ
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTEC EXISTING FACILITIES CAUSED BY CONSTRUCTION ACT APPROVED BY THE CONSTRUCTION OBSERVER.				<b>ARKS</b>	PED "REWARD	AD 83)	COORDINATES	0,8,0	999675005	2.26"	5319.688
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO RESULTING FROM THE CONSTRUCTION PROCESS SHA			Perties	H M/	SS DISC STAMPED	N) NO	COORD	F=1491190 819	0.999	00°17'12.	= NO
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMICONTRACTOR SHALL NOT STORE ANY EQUIPMENT OF			ŀΕ	BENC	ss disc	POSITI	PLANE	OR3 F=			ELEVATION
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECE BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION F			(I.E.,		USC&GS BRAS	APHIC	ļц   I	√   4	10	ALPHA	1988 E
10. ALL PROPERTY CORNERS DESTROYED DURING O PROPERTY CORNERS MUST BE RESET BY A REGISTE		CONTRACTOR'S EXPENSE. ALL			USC&G	GEOGR	N.M. STAT	(CEN IRP N=1487	GROUND	DELTA	NAVD
11. THE CONTRACTOR SHALL PREPARE A CONSTRU FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEE ADJACENT TO EXISTING STREETS.				NO		DATE					
12. ALL BARRICADES AND CONSTRUCTION SIGNING CONTROL DEVICES" (MUTCD), US DEPARTMENT OF T		OF THE "MANUAL ON UNIFORM	TRAFFIC	$\square$	TES						
13. THE CONTRACTOR SHALL MAINTAIN ALL CONST THE PROPER LOCATION OF ALL BARRICADING AT TH		TIMES. THE CONTRACTOR SHAL	l verify	INFOR	0 Z	ВY					
14. THE CONTRACTOR SHALL TAKE ALL STEPS NEO PHASE 2 REQUIREMENTS.	ESSARY TO CONFORM WITH EPA REQUIREME	NTS, INCLUDING COMPLIANCE WI	TH NPDES	VEY	FIELD						
GRADING NOTES 1. EXCEPT AS PROVIDED HERIN, GRADING SHALL BE THIS PLAN.	PERFORMED AT THE ELEVATIONS AND IN A	CCORDANCE WITH THE DETAILS	SHOWN ON	SUR		NO.					
2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TO HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE CO INCIDENTAL TO THE PROJECT COST. THE CONTRACTO MEASURES AND REQUIREMENTS AND WILL BE RESPO APPROVALS.	ST FOR REQUIRED CONSTRUCTION DUST AND OR SHALL CONFORM TO ALL CITY, COUNTY,	) EROSION CONTROL MEASURES STATE, AND FEDERAL DUST CON	SHALL BE NTROL	R'S SEAL	101110110100	WC NC	AEL VEY	DAI ME	10		
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE UNLESS OTHERWISE STATED OR PROVIDED FOR HER (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERO	SOILS REPORT PREPARED BY X8EVINYARD EON, SHALL BE CONSTRUCTED IN ACCORDAN	DATED JULY 22, 2013. ALL OTH ICE WITH THE PROJECT SPECIFIC	ER WORK, ATIONS	ENGINEE	1101.	PREMI	SES.	NONA	LENG	A CONTRACTOR	1
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CON EXISTING UTILITIES.	TRACTOR MUST CONTACT LINE LOCATING SE	RVICE (765–1264) FOR LOCATIO	ON OF			1	:	-			
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AN AREAS TO BE GRADED. VEGETATION AND DEBRIS SHNON-STRUCTURAL FILLS.							(	n		FE 7/5/18	DATE 7/6/18 DATE 7/9/18
6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTA 7. IT IS THE INTENT OF THESE PLANS THAT THIS C										DATE	DATE
BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN. 8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL		5/18	WAY. THIS								
SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORAR EROSION.									2		
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REG DISPOSAL SITE AND HAUL THERETO SHALL BE CONS PAYMENT SHALL BE MADE.	ULATIONS AND APPROVED BY THE OBSERVE	R. ALL COSTS INCURRED IN OBT					i.	REM <i>F</i>	DESIGN		
10. PAVING AND ROADWAY GRADES SHALL BE +/- PLAN ELEVATIONS.	0.1' FROM PLAN ELEVATIONS. PAD ELEVAT	10N SHALL BE +/- 0.05' FROM	I BUILDING					ß	-		
11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLES ELEVATION.	S OTHERWISE NOTED. VALLEY GUTTER ELEVA	TIONS ARE SHOWN AT FLOWLINE	<u>-</u>							MDT	MDT MDT
										BY MI	
	Bohanna	n 🛦 Hus	ston				(	). IUA		DESIGNED	DRAWN BY CHECKED F
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	DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROV							N 10./D/	<u> </u>	۶.
1"=200'			LAST DESIGN UPDATE								
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PO BOX 400 LOS LUNAS NM 87031	CITY PROJECT NO.	ZO	I NE MAP NO. H—8/9		SHE	ET	E	SC	10	)1	







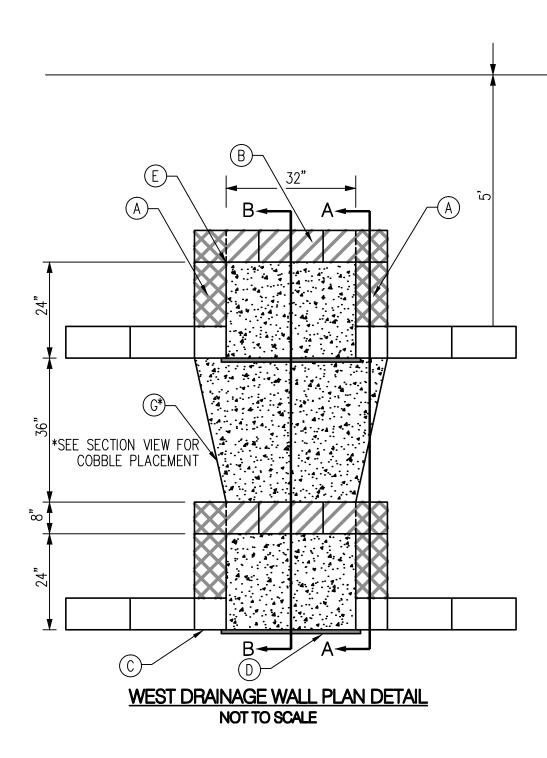




- A SIDE WALLS OF HORSESHOE NOTCH SHALL MATCH EXISTING GRADE AND SHALL BE ONE COURSE (8") LOWER THAN FACE OF WALL HEIGHT.
- BACK WALL OF HORSESHOE NOTCH SHALL BE 1.5 COURSES (APPROX. 12") LOWER THAN FACE OF WALL HEIGHT.
- FACE OF WALL ONE COURSE (8") HIGHER THAN EXISTING GROUND AT NOTCH.  $\bigcirc$
- METAL PLATE TO BE ATTACHED TO FACE OF WALL. TOP OF METAL METAL PLATE TO MATCH TOP OF FACE OF WALL. TO BE INSTALLED BY OTHER.
- E PREVENTATIVE GRATING TO BE ANCHORED TO CORNERS OF WALL (3/4" STEEL BARS PLACED 4" 0.C.)
- F 6" COBBLE (2 LIFTS, 12" TOTAL)
- G 3" CONCRETE SLAB, 4000 PSI
- (H) 6"X6" TRIANGULAR CONCRETE WEDGE

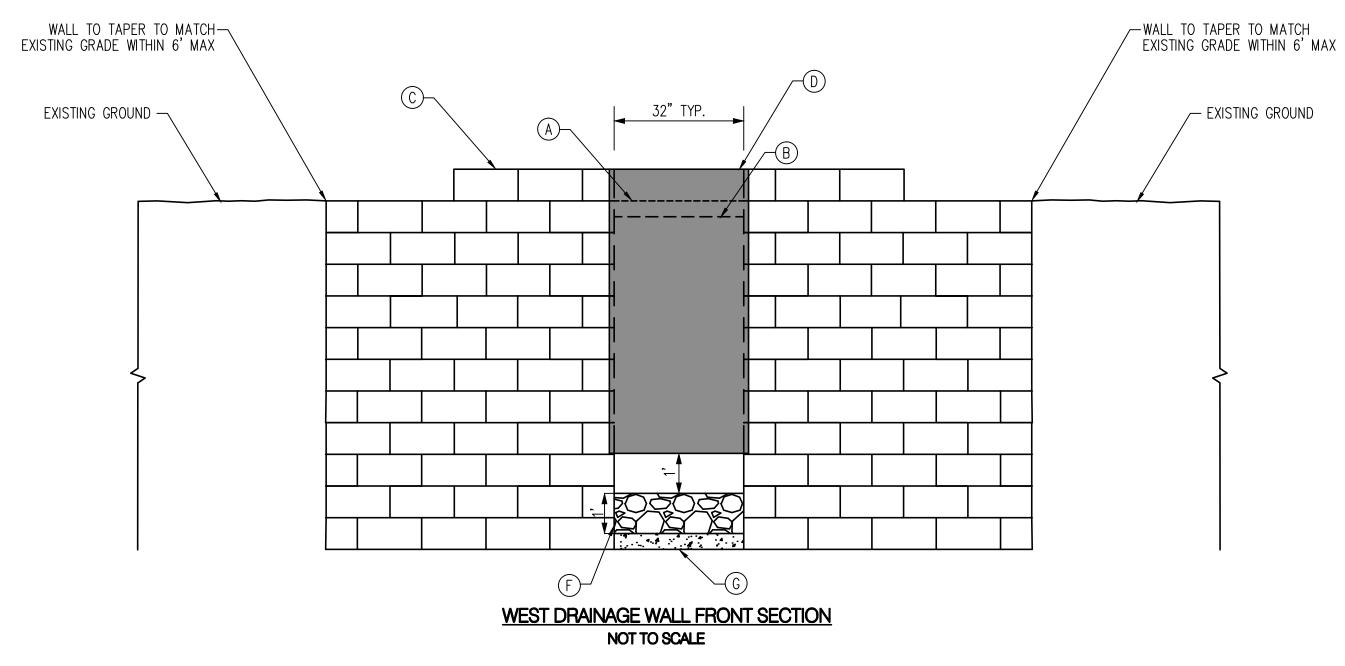
## **GENERAL NOTES**

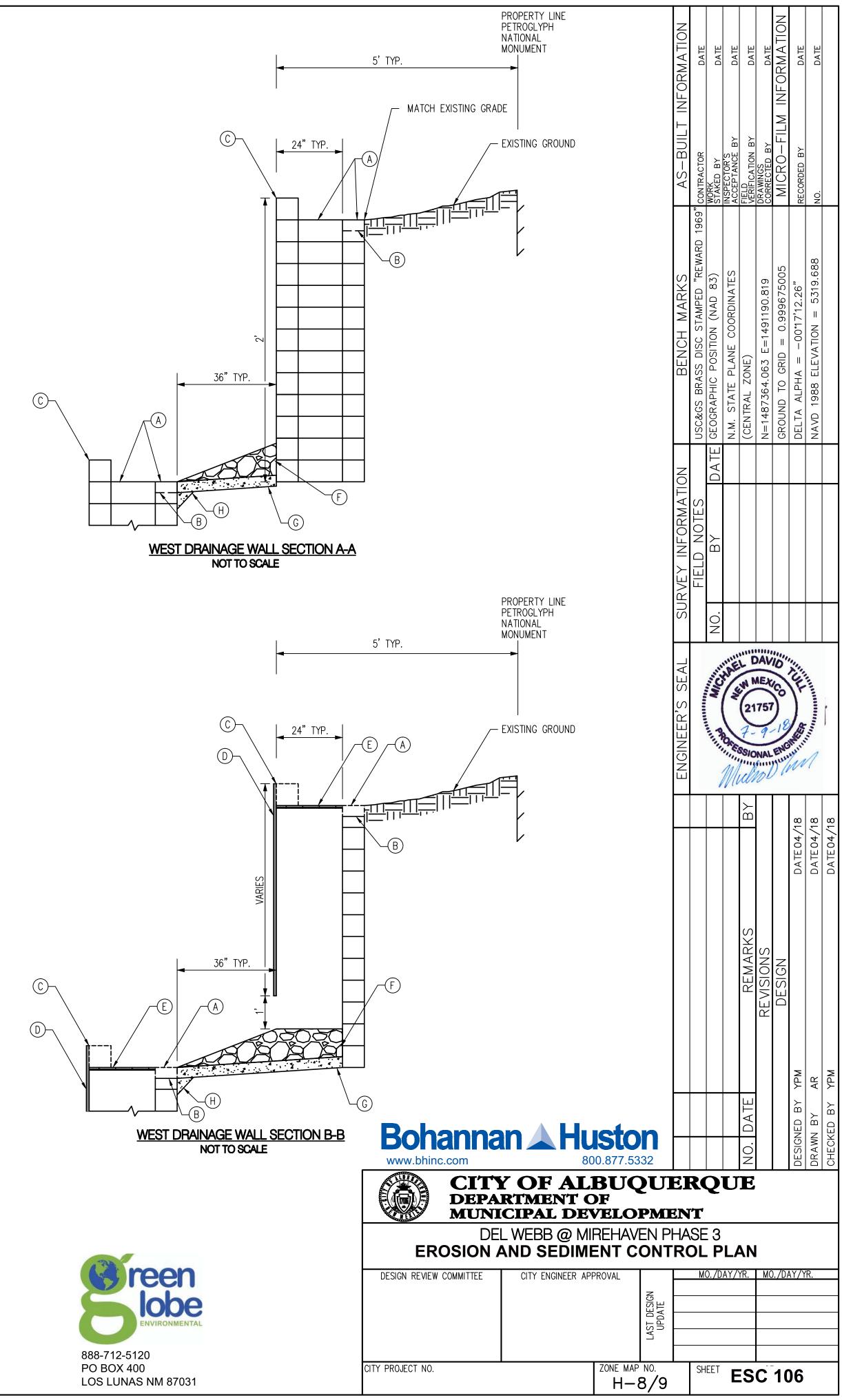
- 1. CONTRACTOR SHALL COORDINATE WITH ENGINEER AND OWNER PRIOR TO CONSTRUCTION.
- 2. NO DISTURBANCE IS ALLOWED ON THE MONUMENT, IF DAMAGE OCCURS TO NEIGHBOR'S PROPERTY THEN WRITTEN ACCEPTANCE OF THE REPAIRS WILL BE REQUIRED PRIOR TO ACCEPTANCE OF ENGINEER'S CERTIFICATION. CONTRACTOR MUST IMMEDIATELY STABILIZE THE SLOPE TO PREVENT EROSION FROM ENCROACHING INTO THE NEIGHBOR'S PROPERTY PER DETAILS THIS SHEET.

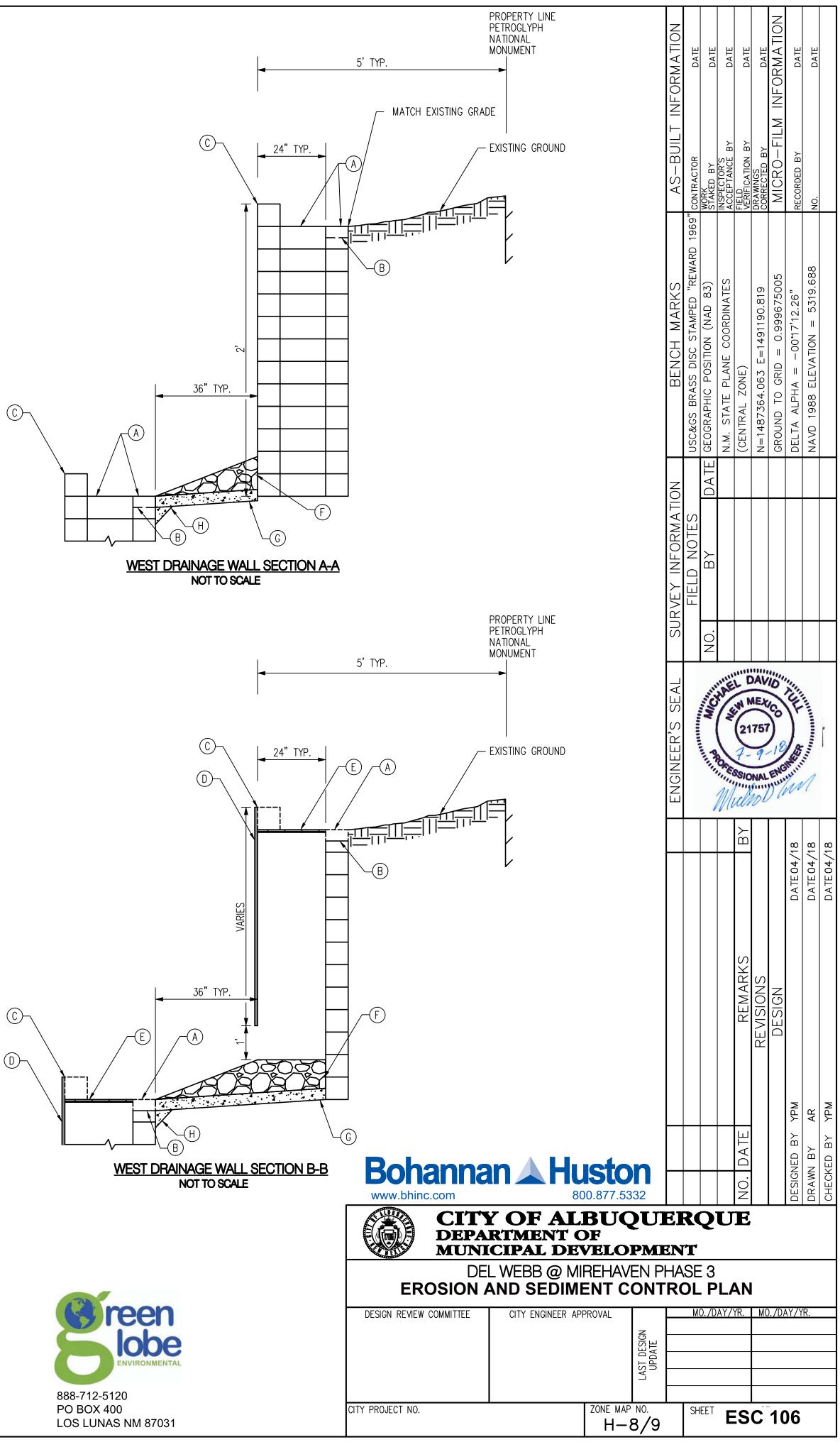


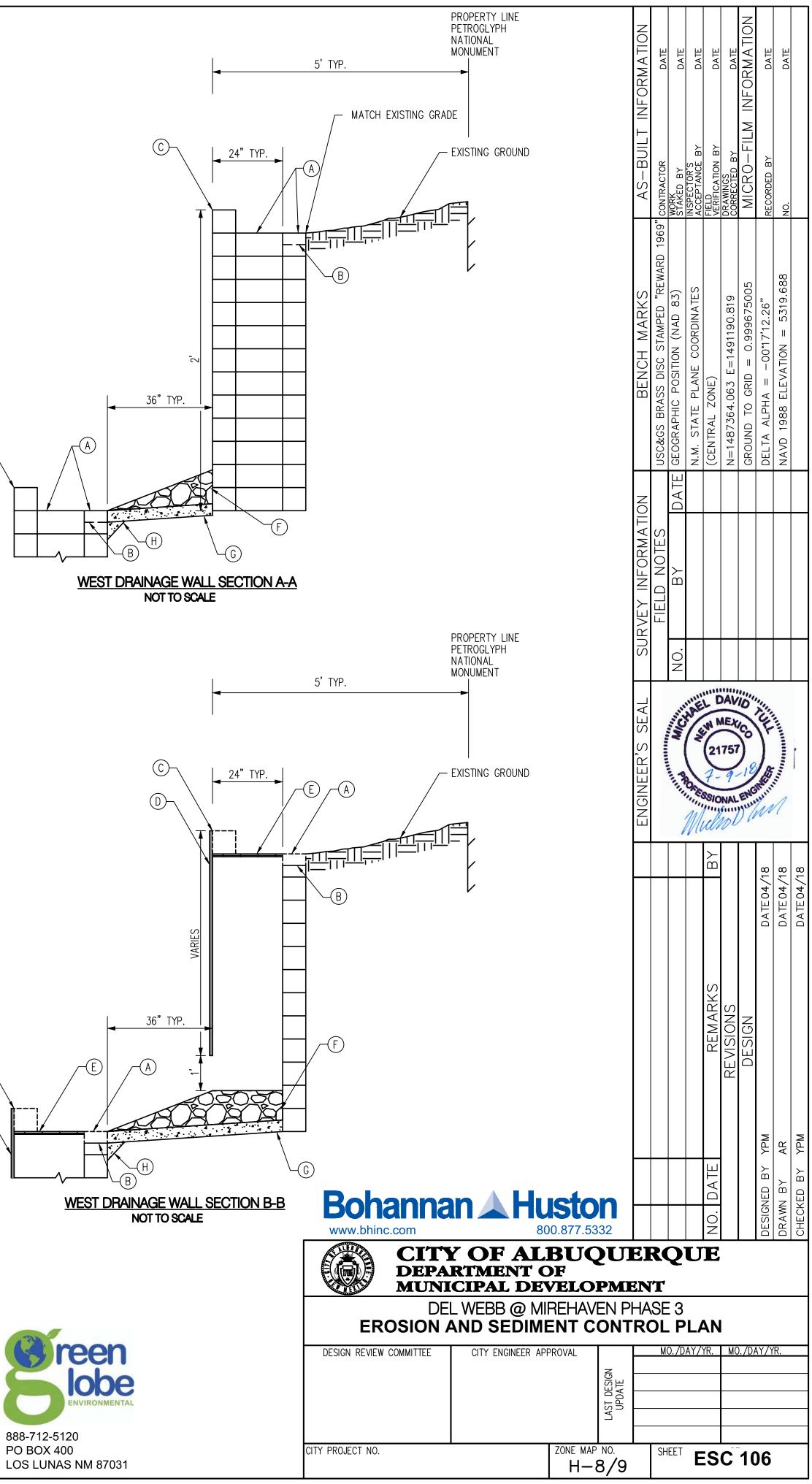
PROPERTY LINE \_\_\_PETROGLYPH NATIONAL

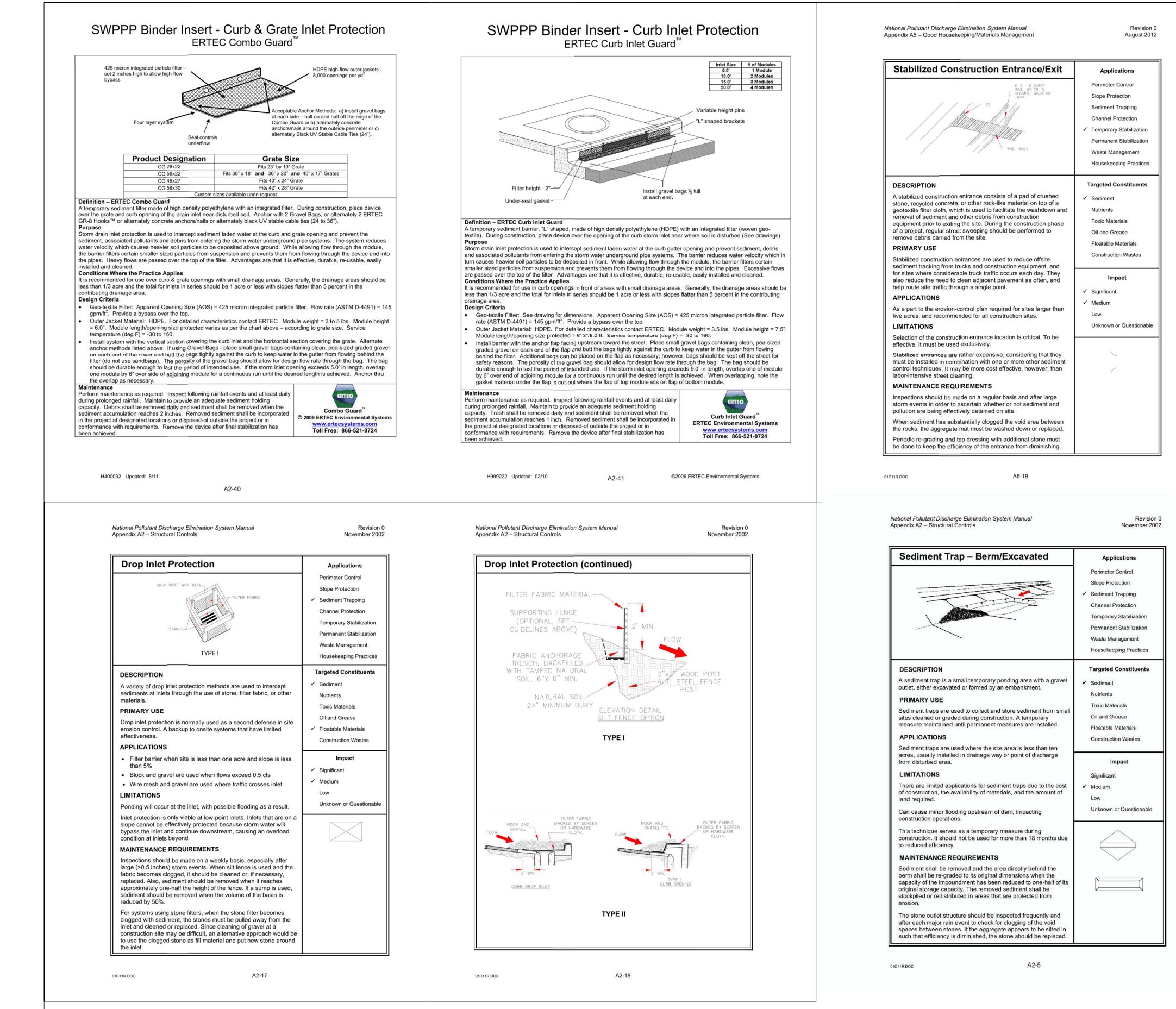
MONUMENT





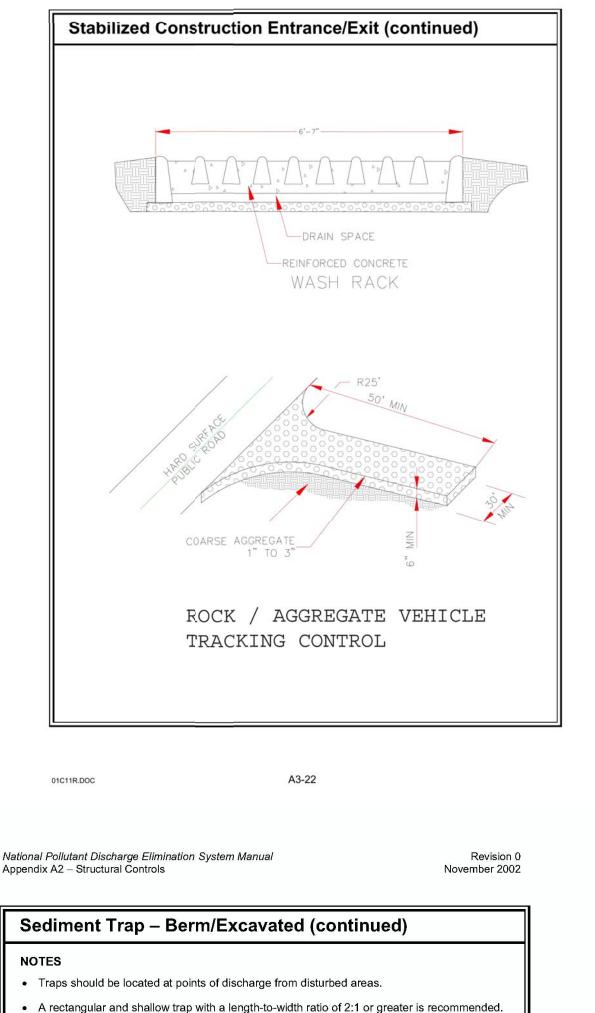






### National Pollutant Discharge Elimination System Manual Appendix A3 – Housekeeping Practices

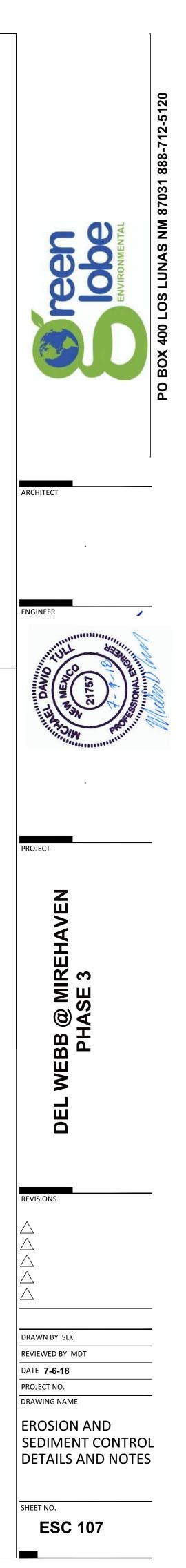
**Revision 0** November 2002

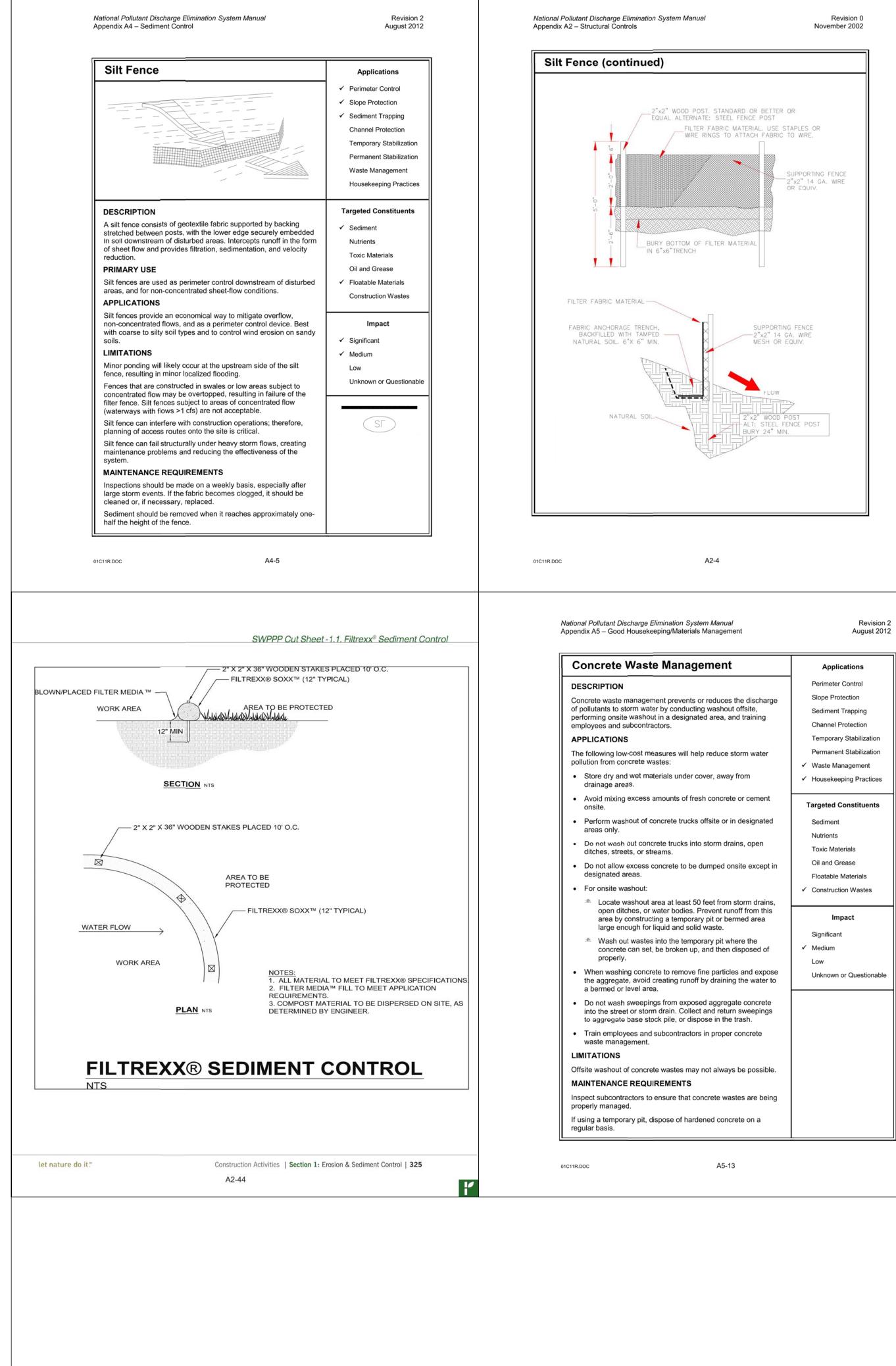


- Maximum embankment height shall be 5 feet measured on the downstream side. The minimum top embankment width shall be 4 feet. Side slopes for the embankment and the excavated areas shall be 2.1 or flatte
- The outlet structure shall consist of a stone section in the embankment formed by a combination coarse aggregate/riprap to provide for filtering/detention capability. Riprap shall be 4 inches to 8 inches of rock, while the coarse aggregate shall be 1/2 inch to 3/4 inch.
- The outlet crest shall be at least 1 foot below the top of the embankment.
- The minimum outlet length in feet shall be 1.5 times the contributing drainage area to the trap.
- Sediment traps, along with other perimeter controls, shall be installed before any land disturbance takes place in the drainage area.
- A geotextile can be placed at the stone-soil interface to act as a separator. • Sediment shall be removed from the trap when the wet storage volume is reduced by
- one half.
- Outlet structure should be regularly inspected; rocks clogged with sediment shall be cleaned or replaced.

A2-6

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ment	Applicat
	Perimeter Co
reduces the discharge	Slope Protec
washout offsite, area, and training	Sediment Tra
area, and training	Channel Prot
	Temporary S
reduce storm water	Permanent S
	✓ Waste Manag
er, away from	✓ Housekeepin

**Targeted Constituents** 

Oil and Grease Floatable Materials Construction Wastes

Impact

Unknown or Questionable



Section 1: Erosion & Sediment Control – Construction Activities

# **SWPPP Cut Sheet:** Filtrexx<sup>®</sup> Sediment Control

Sediment & Perimeter Control Technology

### PURPOSE & DESCRIPTION Filtrexx® Sediment control is a three-dimensional tubular sediment control and storm water runoff

filtration device typically used for perimeter control of sediment and other soluble pollutants (such as phosphorus and petroleum hydrocarbons), on and around construction activities.

### APPLICATION

Filtrexx® Sediment control is to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutants from runoff. Sediment control is effective when installed perpendicular to sheet or low concentrated flow. Acceptable applications include: Site perimeters

- Above and below disturbed areas subject to sheet runoff, interrill and rill erosion
- Above and below exposed and erodable slopes Around area drains or inlets located in a 'sump'
- · On compacted soils where trenching of silt fence is difficult or impossible
- Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may
- unnecessarily disturb established vegetation. On frozen ground where trenching of silt fence is
- impossible On paved surfaces where trenching of silt fence is impossible.

### INSTALLATION

- 1. Sediment control used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filtrexx<sup>®</sup> Soxx<sup>™</sup> Material Specifications
- and use Certified Filtrexx<sup>®</sup> FilterMedia<sup>™</sup>. 2. Contractor is required to be Filtrexx<sup>®</sup> Certified<sup>™</sup> as determined by Filtrexx® International, LLC

let nature do it."

com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current listing can be found at www.filtrexx.com). Look for the Filtrexx<sup>®</sup> Certified<sup>™</sup> Seal. 3. Sediment control will be placed at locations

(440-926-2607 or visit website at www.filtrexx.

- indicated on plans as directed by the Engineer. 4. Sediment control should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second Sediment control shall be constructed at the top
- of the slope. 5. Effective Soxx<sup>™</sup> height in the field should be as follows: 8" Diameter Sediment control = 6.5" high, 12" Diameter Sediment control = 9.5" high, 18" Diameter SiltSoxx<sup>™</sup> = 14.5" high, 24"
- Diameter Sediment control = 19" high. 6. Stakes shall be installed through the middle of the Sediment control on 10 ft (3m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) hard wood stakes. In the event staking is not possible, i.e., when Sediment control is used on pavement, heavy concrete blocks shall be used behind the Sediment control to help stabilize
- during rainfall/runoff events. 7. Staking depth for sand and silt loam soils shall be
- 12 in (300mm), and 8 in (200mm) for clay soils. 8. Loose compost may be backfilled along the upslope side of the Sediment control, filling the
- seam between the soil surface and the device, improving filtration and sediment retention. 9. If the Sediment control 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.

Construction Activities | Section 1: Erosion & Sediment Control | 323

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10. Filtrexx<sup>®</sup> Sediment control is not to be used in perennial, ephemeral, or intermittent streams.

See design drawing schematic for correct Filtrexx® Sediment control installation (Figure 1.1).

### INSPECTION AND MAINTENANCE

Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. Sediment control should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flowthrough. If ponding becomes excessive, additional Sediment control may be required to reduce effective slope length or sediment removal may be necessary. Sediment control shall be inspected until area above has been permanently stabilized and construction activity has ceased

- 1. The Contractor shall maintain the Sediment control in a functional condition at all times and it shall be routinely inspected.
- 2. If the Sediment control has been damaged, it shall be repaired, or replaced if beyond repair.
- 3. The Contractor shall remove sediment at the base of the upslope side of the Sediment control when accumulation has reached 1/2 of the effective height of the Sediment control, or as directed by the Engineer. Alternatively, a new Sediment control can be placed on top of and slightly behind the original one creating more sediment storage capacity without soil disturbance.
- 4. Sediment control shall be maintained until disturbed area above the device has been permanently stabilized and construction activity has ceased.
- 5. The FilterMedia<sup>™</sup> will be dispersed on site once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by the Engineer.
- 6. For long-term sediment and pollution control applications, Sediment control can be seeded at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants (contained vegetative filter strip). The appropriate seed mix shall be determined by the Engineer.

Slope Percent	8 in (200 mm) Sediment control	12 in (300 mm) Sediment control	18 in (450 mm) Sediment control	24 in (600mm) Sediment control	32 in (800mm) Sediment contro				
	6.5 in (160 mm)**	9.5 in (240 mm) **	14.5 in (360 mm) **	19 in (480 mm) **	26 in (650 mm) **				
2 (or less)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)				
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)				
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)				
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)				
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)				
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)				
30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)				
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)				
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)				
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)				
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)				

\* Based on a failure point of 36 in (0.9 m) super silt fence (wire reinforced) at 1000 ft (303 m) of slope, watershed width equivalent to receiving length of sediment control device, 1 in/ 24 hr (25 mm/24 hr) rain event. \*\* Effective height of Sediment control after installation and with constant head from runoff as determined by Ohio State University.

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INGINE



WEBB @ MIREHAVEN PHASE 3 Ш

REVISIONS

DRAWN BY SLK				
REVIEWED BY MDT				
DATE <b>7-6-18</b>				
PROJECT NO.				
DRAWING NAME				

**EROSION AND** SEDIMENT CONTROL DETAILS AND NOTES

SHEET NO.

**ESC 108**