Design Considerations

We recommend that continuous footings be a minimum of 24 in. wide and isolated spread footings be a minimum of 24 in. by 24 in. The minimum thickness of both continuous and spread footings should be 12 in. As an alternative to bearing on competent bedrock, the foundation excavations may be trenched down to bedrock and backfilled with lean concrete to the bearing elevation. If this option is chosen, widen footing excavations by a minimum of six (6) in. on each side and backfill the foundation excavation from bedrock to the bearing elevation with lean concrete.

Construction Considerations

Excavate foundations down to competent bedrock. L.E. Gregg should observe the bearing surface once foundation excavations have been completed. Please note that foundation excavations may need to be deepened if the weathered bedrock is observed to be unsuitable as a bearing surface.

In order to check the continuity of the bedrock, a 2 to 3 in. diameter air hole should be drilled in the footprint of each column location and every fifty (50) ft. along continuous foundations to a depth of five (5) ft. The hole should then be "probed" by a qualified geotechnical technician to check for any soft compressible seams, coal or other discontinuities. If this check indicates a discontinuous or compressible seam in the rock, the drilled hole should be excavated deeper. Significant deviations from the specified or anticipated conditions should be reported to the owner's representative and to the foundation designer.

All vegetation, topsoil, unsuitable fill soil (if required), loose rock fragments greater than 6 in., construction debris, water, and other debris should be removed from the proposed construction areas before concrete placement. Any trench excavations should have adequate shoring and/or benching per OSHA requirements. The foundation support and/or foundation side walls should be protected from freezing weather, severe drying, and water ponding. Positive drainage should be provided to direct surface runoff away from excavations.

We appreciate the opportunity to assist you on this project. If we can be of further service on this or other projects, please contact us.

Respectfully,

L.E. GREGG ASSOCIATES

Steven Mortimer, P.E.

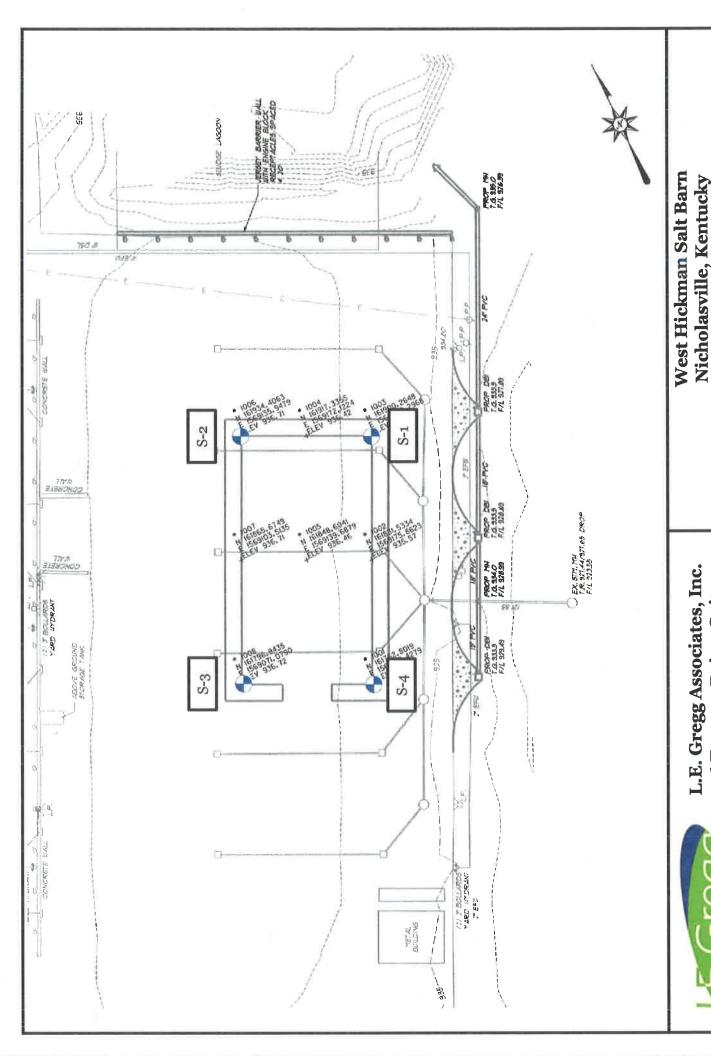
Stew Makin

Project Engineer

Jason Ainslie, P.E.

Jam Airolei

President



Boring Layout

2456 Fortune Drive, Suite 155

Lexington, Kentucky 40509

Project #2019012

MAYOR LINDA GORTON



TODD SLATIN
DIRECTOR
CENTRAL PURCHASING

ADDENDUM #1

Bid Number: #58-2019

Date: June 7, 2019

Subject: Construction of the Brannon Road Salt Barn

Address inquiries to: Sondra Stone 859.258.3320

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced Bid:

- 1. Delete earthwork disposal references Section 02222 1.01 C and 3.06: Not applicable to this project scope.
- 2. Spoil disposal area defined by map (see attached). On-site excavation material only, no trash, municipal waste or waste products from barn construction materials.
- Building Permit contact info Kenny Milburn, Inspector, Phone 859-885-6415. Guidance document for permitting process (https://drive.google.com/file/d/1SaeDYV8I703WjToVhFHPZo02W1xojkXN/view).
 Website is (https://jessamineco.com/departments/planning-zoning/).
- 4. The Division of Water will be responsible for jet flushing and video inspecting the existing storm sewer system.
- 5. Temporary electric shall be provided by the Contractor in accordance with Section 01500.
- 6. Blasting is acceptable, if necessary.
- 7. The height of the stone shall be 12 inches above the exterior concrete slab.
- 8. Time to completion is 122 days to substantial completion and 152 days to final completion.



9. Pre-bid sign-in sheet is attached.

Todd Slatin, Director Division of Central Purchasing

John Stan

All other terms and conditions of the Bid and specifications are unchanged.
This letter should be signed, attached to and become a part of your Bid.
COMPANY NAME:
ADDRESS:
SIGNATURE OF BIDDER:





SIGN-IN SHEET

Pre-Bid Meeting 58-2019 Construction of the Brannon Road Salt Barn

June 6, 2019 @ 8:30 AM

1 7			1	_	T	1	7	1 1	_	Ŷ.	77	 		
Representative	Sondra Stone	Sherita Miller	Eddie Clement	Greg Perton	Owed 5. Yours	mike Defen w	Scot Cartha	BH HOTHER	Charlie Mart: J	Mancy Albridge	DEL TETTARS			
Company Name	LFUCG	LFUCG	Hayden Company	Haydon Company	Jusy Constructed Co.	PARK LANG Const	LFUCG	EA Planeas	LFUCG	the state of the s	Wescorr Cours.			
DBE/MBE/WBE/ PI												8		
Phone#	859-258-3320	859-258-3323	859.885.3388	859.888.3388	859-134-500	585 755 0520		859-246-9869	25h-452-9452		502-780-7489			
Email Address sstone@lexingtonky.gov	sstone@lexingtonky.gov	smiller@lexingtonky.gov	eddic @ haydon co.com	8 grea @ hayden co.com	CONSIST OF LONS PORTIONS CON	mderenzo a) PARK LAWOLONST. Com	gasture textustanty, gov	THORES OF FRANCES.OC	chantes changesty of	nal bright @lexing trinky gov	JOEL @ MOSCOT CONSTRUCTION			
						17		')			\$	 	1	

SIGN-IN SHEET

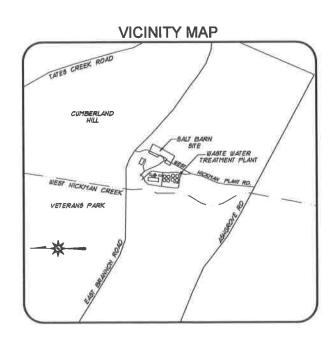
WEST HICKMAN SALT BARN WEST HICKMAN WASTEWATER TREATMENT PLAN

DEPARTMENT OF ENVIRONMENTAL QUALITY
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
LEXINGTON, KENTUCKY
MAY, 2019
LFUCG BID NO. XXX-2019



SEE L.F.U.C.G. ENGINEERING STANDARD DRAWINGS, LATEST REVISION (FFFECTIVE SEPTEMBER, 2017) FOR CONSTRUCTION DETAILS.





INDEX OF DRAWINGS

- 1 GENERAL NOTES
- 2 OVERALL LAYOUT
- SITE LAYOUT
- STORM SEWER PROFILES
- EROSION CONTROL PLAN
- 6 BEST MANAGEMENT PRACTICES PLAN
- 7 BEST MANAGEMENT PRACTICES DETAILS
- 8 PROJECT DETAILS
- 9 PROJECT DETAILS ELECTRICAL PLANS

BUILDING PLANS

GENERAL CONDITIONS

PRIOR TO THE MOBILIZATION OF EQUIPMENT, A PRECONSTRUCTION/PRE-EROSION CONTROL CONFERENCE SHALL BE HELD ON SITE ATTENDED BY THE CONTRACTOR, THE ENGINEER, THE DIVISION OF WATER OUALITY AND THE LFUCG.

WITHIN IO DAYS FOLLOWING THE PRECONSTRUCTION CONFERENCE, A PROJECT SCHEDULE SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER.

PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL ERECT A PROJECT SIGN INDICATING THE CONTRACTOR, THE ENGINEER AND THE LFUCG DIVISION OF WATER QUALITY AS THE OWNER. THE SIGN FORMAT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ERECTION.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES.

DURING THE PROGRESS OF THE WORK, THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH AND OTHER DEBRIS RESULTING FROM THE WORK.

AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL, RUBBISH AND DEBRIS FROM AND ABOUT THE PREMISES AS WELL AS ALL TOOLS, APPLIANCES, CONSTRUCTION EQUIPMENT AND MACHINERY AND SURPLUS MATERIALS, AND SHALL LEAVE THE SITE CLEAN AND READY FOR OCCUPANCY BY THE OWNER.

THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN, IN A SANITARY CONDITION, SANITARY FACILITIES FOR HIS EMPLOYEES AND SUBCONTRACTORS. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROPERLY DISPOSE OF THESE SANITARY FACILITIES.

SUBMITTALS

THE CONTRACTOR SHALL PROVIDE MATERIAL CERTIFICATIONS FOR ALL MATERIALS USED ON THE PROJECT INCLUDING STORM SEWERS, SANITARY SEWERS, PRECAST STRUCTURES, DENSE GRADED AGGREGATE, BITUMINOUS PAVEMENT AND UNREINFORCED CONCRETE.

THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MATERIALS USED ON THE PROJECT, SIX COPIES OF THE SHOP DRAWINGS SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL PRIOR TO GROERING.

STANDARDS OF CONSTRUCTION

LFUCG STANDARDS, LFUCG SUBDIVISION REGULATIONS AND KENTUCKY DEPARTMENT OF HIGHWAYS SPECIFICATIONS, ALL LATEST ADDITIONS, SHALL APPLY TO THE WORK DESCRIBED WITHIN THESE PLAN DOCUMENTS UNLESS SPECIFICALLY DIRECTED BY NOTE OTHERWISE.

LITH ITY LOCATIONS/REFORE YOU DIG

THE CONTRACTOR IS ADVISED THAT UTILITY LOCATIONS SHOWN WITHIN THESE PLAN DOCUMENTS ARE APPROXIMATE AND NEED TO BE VERIFIED PRIOR TO BECINNING WORK, THE ULTIMATE RESPONSIBILITY FOR UNDERGROUND UTILITY LOCATIONS IS THE CONTRACTOR'S.

THE CONTRACTOR IS ADVISED THAT HE SHOULD CALL I-800-752-6007, TOLL FREE, A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL USE ALL POSSIBLE CARE IN EXCAVATING ON THE PROJECT TO AVOID DAMAGE TO EXISTING UTILITIES, WHETHER OR NOT THE UTILITIES ARE OR ARE NOT SHOWN ON THE PLANS, EXISTING UTILITIES AND LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY, THE CONTRACTOR SHOW BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF EXISTING UTILITY PROPERTY.

CONSTRUCTION LAYOUT

CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRENCH ROCK EXCAVATION

THE PAY LIMITS FOR TRENCH ROCK EXCAVATION ARE AS FOLLOWS, TRENCH ROCK EXCAVATION SHALL BE MEASURED IN CUBIC YARDS BASED ON A TRENCH WIDTH OF 3.0 FEET FOR 4, 6 OR 8 INCH PIPE AND THE OUTSIDE DIAMETER PLUS 2 FEET FOR LARGER PIPE. THE DEPTH OF THE TRENCH ROCK SHALL BE AN AVERAGE OF 50 FOOT STATIONS AS MEASURED IN THE FIELD TO A DEPTH OF 6 INCHES BELOW THE PIPE GRADE, ADDITIONAL STONE BACKFILL IN ROCK EXCAVATIONS WILL NOT BE MEASURED FOR PAYMENT.

ROCK EXCAVATION

ALL BLASTING SHALL BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE LAWS.

CLEARING, GRUBBING AND REMOVAL

PRIOR TO COMMENCEMENT OF CLEARING, GRUBBING AND REMOVALS, ANY AREAS DESIGNATED ON THE PLANS AS "TREE PRESERVATION AREAS" OR "DO NOT DISTURB AREAS" SHALL BE DESIGNATED WITH PARNGE SAFETY FENCE OR SECURITY TAPE AS DIRECTED BY THE ENGINEER.

THE ENTIRE AREA WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEARED OF ALL WEEDS, BRUSH, BRIERS, TREES, STUMPS, AND OTHER PROTRUDING OBSTRUCTIONS NOT DESIGNATED TO REMAIN, EXCEPT WITHIN AREAS THE ENGINEER MAY DESIGNATE TO REMAIN UNDISTURBED.

ALL BUSHES, TREES, ROOTS AND STUMPS WITHIN THE CONSTRUCTION LIMITS SHALL BE GRUBBED EXCEPT UNDISTURBED STUMPS, ROOTS AND NONPERISHABLE SOLID OBJECTS WHICH WILL BE A MINIMUM OF THREE FEET BELOW THE SUBGRADE OR EMBANKMENT FOUNDATION.

ALL TOPSOIL AND/OR UNSUITABLE MATERIAL SHALL BE STRIPPED AND STOCKPILED DURING THE CLEARING AND GRUBBING OPERATIONS.

ALL MATERIALS RESULTING FROM THE CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE DIRECTION OF THE LFUCG, THE MATERIAL SHALL NOT BE BURIED ON SITE. BURNING PITS SHALL NOT BE ALLOWED.

GEOTECHNICAL NOTES

ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF ANY PROPOSED CONSTRUCTION ACTIVITIES. PROOF ROLL THE EXPOSED SURFACE OF ANY ANTICIPATED FILL AREA AND OR PAVEMENT AREA TO DETERMINE IF ANY UNSTABLE SOIL CONDITIONS EXIST.

EQUIPMENT USED FOR PROOF ROLLING SHALL BE A LOADED PNEUMATIC TIRED VEHICLE SUCH AS A SINGLE AXLE DUMP TRUCK WITH A MAXIMUM GROSS WEIGHT OF 16 TONS.

IF ANY UNSTABLE AREAS ARE EXPOSED BY PROOF ROLLING, THOSE AREAS SHALL BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED MATERIAL.

SOILS PLACED AS FILL OR BACKFILL WITHIN THE PROPOSED SITE SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN -4 TO +2 PERCENT OF OPTIMUM. A SHEEPSFOOT ROLLER SHALL BE USED TO COMPACT COHESIVE FILL MATERIAL AND A SMOOTH DRUM VIBRATORY ROLLER USED FOR GRANULAR SOILS. A HAND WHACKER OR VIBRATORY PLATE SHALL BE USED TO COMPACT BACKFILL WITHIN SEWER AND UTILITY TRENCHES.

SHOT ROCK OR MECHANICALLY EXCAVATED ROCK MAY BE USED FOR FILL MATERIAL AS LONG AS THE LARGEST DIMENSION IN ANY DIRECTION OF THE ROCK FRAGMENT DOES NOT EXCEED 6 INCHES. LIFT THICKNESSES SHALL NOT EXCEED IZ INCHES.

EVALUATION OF ROCK FILL PLACEMENT AND THE INTEGRITY OF THE ROCK FILL SHALL BE DETERMINED BY VISUAL INSPECTION OF THE PLACEMENT PROCEDURES BY A QUALIFIED TECHNICIAN WORKING UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER.

THE USE OF A SOIL/SHOT ROCK MIXTURE WITH MORE THAN 20 PERCENT SOIL FOR FILL CONSTRUCTION SHALL BE LIMITED TO NONSTRUCTURAL AREAS OF THE SITE.

SOIL USED FOR STRUCTURAL FILL SHALL BE PLACED IN LAYERS NO GREATER THAN 10 INCHES IN LOOSE THICKNESS AND COMPACTED TO THE LIMITS PREVIOUSLY MENTIONED.

IN AREAS WHERE THE DENSITY IS ACHIEVED THROUGH THE USE OF HAND OPERATED COUIPMENT, LOOSE LIFT THICKNESS SHALL NOT EXCEED 5 INCHES. TESTS FOR THE DEGREE OF COMPACTION FOR SOIL SHALL BE MADE ON EACH LAYER BEFORE PLACEMENT OF THE NEXT LAYER.

ALL TESTING OF EMBANKMENT OR BACKFILL SHALL BE PROVIDED BY THE CONTRACTOR.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE
GEOTECHNICAL FIRM TO INSURE THAT ALL EMBANKMENT OR BACKFILL IS TESTED
AND MEETS THE REQUIREMENTS OF THESE STANDARDS AND SPECIFICATIONS.

EXCAVATION

EXCLARION SHALL INCLUDE THE REHOVAL AND DISPOSAL OF MISCELLAMEOUS STRUCTURES REMOVED FROM WITHIN THE CONSTRUCTION LIMITS SUCH AS, BUT NOT LIMITED TO, ALL TYPES OF PAVEMENT AND PAVEMENT BASES, WHETHER NIGID OR FLEXIBLE, SIDEWALK, CURBS AND GUTTERS, COROLITS THAT HAVE NO SALVAGE VALUE, SUCH AS DIAIMAGE PIPES, SANITARY SEWER PIPE, HAVE NO THEN INDEPVICEABLE UTILITY LIMITARY SEWER PIPE, HAVE NO THEN INDEPVICEABLE UTILITY LIMITARY SEWER PIPE, WAS ANY, OR MAY NOT, INDICATE TWE EXACT LOCATIONS OF THE VARIOUS TYPES AND OUNTITIES OF THESE MISCELLAMEOUS STEMS TO BE REMOVED AND DISPOSED OF, NOWEVER, IT IS THE INTENT OF THESE SPECIFICATIONS THAT THE REMOVAL OF ANY SUCH TEMS THAT FALL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CONSIDERED UNCLASSIFIED.

EXCEPT AS OTHERWISE SPECIFICALLY STATED, EXCAVATION SHALL INCLUDE INLET AND OUTLET DITCHES, REGARDLESS OF THE CLASSIFICATION OF THE MATERIAL ENCOUNTERED.

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL EXCAVATION SHALL BE UNCLASSIFIED. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH OR ANY OTHER MATERIAL ON THE PLANS OR CROSS SECTIONS, WHETHER IN NUMBERS, WORDS, LETTERS, OR LINES IS SOLELY FOR INFORMATION AND SHALL NOT BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF ROCK, EARTH OR OTHER MATERIAL INVOLVED.

THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE CONDITIONS TO BE ENCOUNTEBED. THE OWNER OR THE FINISHEER FORS NOT GIVE ANY GURANNEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION WHEN THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

ALL SUITABLE MATERIAL REMOVED FROM THE EXCAVATION SHALL BE USED, IN SO FAR AS PRACTICAL, IN THE FORMATION OF EMBANMENTS, SUBGRADE, SHOULDERS, BACKFILL FOR STRUCTURES, OR FOR OTHER PURPOSES SHOWN ON THE PLANS OR AS DIRECTED.

NO EXCAVATED MATERIAL SHALL BE WASTED WITHOUT PERMISSION. EXCAVATED MATERIAL IN EXCESS OF THAT REQUIRED FOR NORMAL EMBANMENT CONSTRUCTION SHALL NOT BE WASTED WITHIN THE CONSTRUCTION LIMITS, EXCEPT WHEN SPECIFICALLY DIRECTED OR APPROVED.

SITE GRADING NOTES:

ALL SPOT ELEVATIONS INDICATE FINISH GRADE OF SURFACE. ADJUSTMENTS MUST BE MADE TO ESTABLISH GRADES OF SUB-BASE OR SUBGRADE,

SHOULD CONTRACTOR ENCOUNTER ROCK EXCAVATION, THE ROCK SHALL BE REMOVED TO A MINIMUM DEPTH OF 12 INCHES BELOW SUBGRADE. REFILL SHALL BE IN ACCORDANCE WITH GEOTECHNICAL NOTES.

THE OVERLOT RE-GRADE LINES SHOWN HEREON ARE FOR DETERMINING DRAINAGE LIMITS AND EARTHWORK QUANTITIES AND ARE SUJECT TO REVISION DURING CONSTRUCTION. GENERAL DRAINAGE PATTERNS WILL BE MAINTAINED. SPECIFIC OVERLOT GRADES MAY YARY.

SPECIAL PROJECT CONDITIONS

PRIOR TO MOBILIZATION THE CONTRACTOR SHALL VIDEO THE CONSTRUCTION AREA. A COPY OF THE VIDEO SHALL BE PROVIDED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORK.

AT THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE A SCHEDULE AND THE CONTACT INFORMATION FOR THE PROJECT FOREMAN.

THE PROJECT FOREMAN SHALL REMAIN ON THE JOB UNTIL ITS COMPLETION.

VEHICLES AND EQUIPMENT SHALL BE PARKED OVERNIGHT WITHIN THE PROJECT AREA.

SANITARY FACILITIES SHALL BE LOCATED WITHIN THE STAGING AREA.

ANY TRENCH OR PIT LEFT OPEN AT THE END OF THE DAY SHALL BE SURROUNDED BY SAFETY FENCE.

NO TREES OR BUSHES SHALL BE DISTURBED WITHOUT PRIOR NOTIFICATION AND APPROVAL BY THE ENGINEER OR HIS REPRESENTATIVE.

ACCESS SHALL BE MAINTAINED TO THE EXISTING WORK AREA AND BUILDINGS AT ALL TIMES. ANY DISRUPTION OF ACCESS AS A RESULT OF THE WORK SHALL BE COORDINATED WITH THE TREATMENT PLANT SUPERINTENDENT AND THE DIVISION OF WATER CUALITY.

CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF TREES WITHIN THE DISTURBED LIMITS. NO DIRECT PAYMENT SHALL BE MADE FOR TREE REMOVAL, REGARDLESS OF SIZE.

THE CONTRACT DOCUMENTS INCLUDE A SWPPP BMP PLAN THAT HAS BEEN APPROVED BY LFUCG DIVISION OF MATER QUALITY. THE SWPPP SHALL BE USED FOR ESTABLISHING QUANTITIES AND A LUMP SUM PRICE FOR PROVIDING MAINTENANCE OF BMP PLAN.

THE CONTRACTOR MAY USE THIS SWPPP TO OBTAIN THE REQUIRED PERMITS, I.E. LAND DISTURBANCE PERMIT. IF CONTRACTOR CHOOSES TO USE THIS SWPPP, THE CONTRACTOR TAKES SOLE RESPONSIBILITY FOR THE CONTENT OF THE SWPPP AND THE IMPLEMENTATION OF THE SWPPP DURING CONSTRUCTION.

CONTRACTOR MAY ALSO CHOOSE TO PREPARE ITS OWN SWPPP AND SUBMIT TO LFUCG DIVISION OF WATER QUALITY FOR APPROVAL. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THE MAINTENANCE OF BMP PLAN PAY ITEM.

UTILITY OWNERS:

MR. TOBEY ADAMS
KENTUCKY-AMERICAN WATER COMPANY
2300 RICHMOND ROAD
LEXINGTON, KENTUCKY 40502
PHONE: 268-6357

MR. TOM WALKER CONSTRUCTION SUPERVISOR COLLUMBIA CAS OF KENTUCKY 2001 MERCER ROAD LEXINGTON, KENTUCKY 40512-4241 PHONE: 288-0293

MR. DARRIN BUSKIRK
ENGINEERING AND CONSTRUCTION MANAGER
WINDSTREAM
130 WEST NEW CIRCLE ROAD
SUITE 170
LEXINGTON, KENTUCKY 40505
PHONE: 271-7406

MR. TOM APPEL
HEAD OF ENGINEERING
KENTUCKY UTILITIES
500 STONE ROAD
LEXINGTON, KENTUCKY 40503
PHONE: 367-4309

MR. RALPH MCDONIE MAINTEMANCE SUPERVISOR INSIGHT 2544 PALUMBO DRIVE LEXINGTON, KENTUCKY 40509 PHONE: 514-2417

MR. JEFF MOORE METRONET 601 BIZZEL DRIVE PHONE: 517-438-6200 LEXINGTON, KY 40510

MR. JIM WORTEN WEST HICKMAN WASTEWATER TREATMENT PLANT 645 WEST HICKMAN PLANT ROAD NICHOLASVILLE, KENTUCKY 40356 859-983-4861

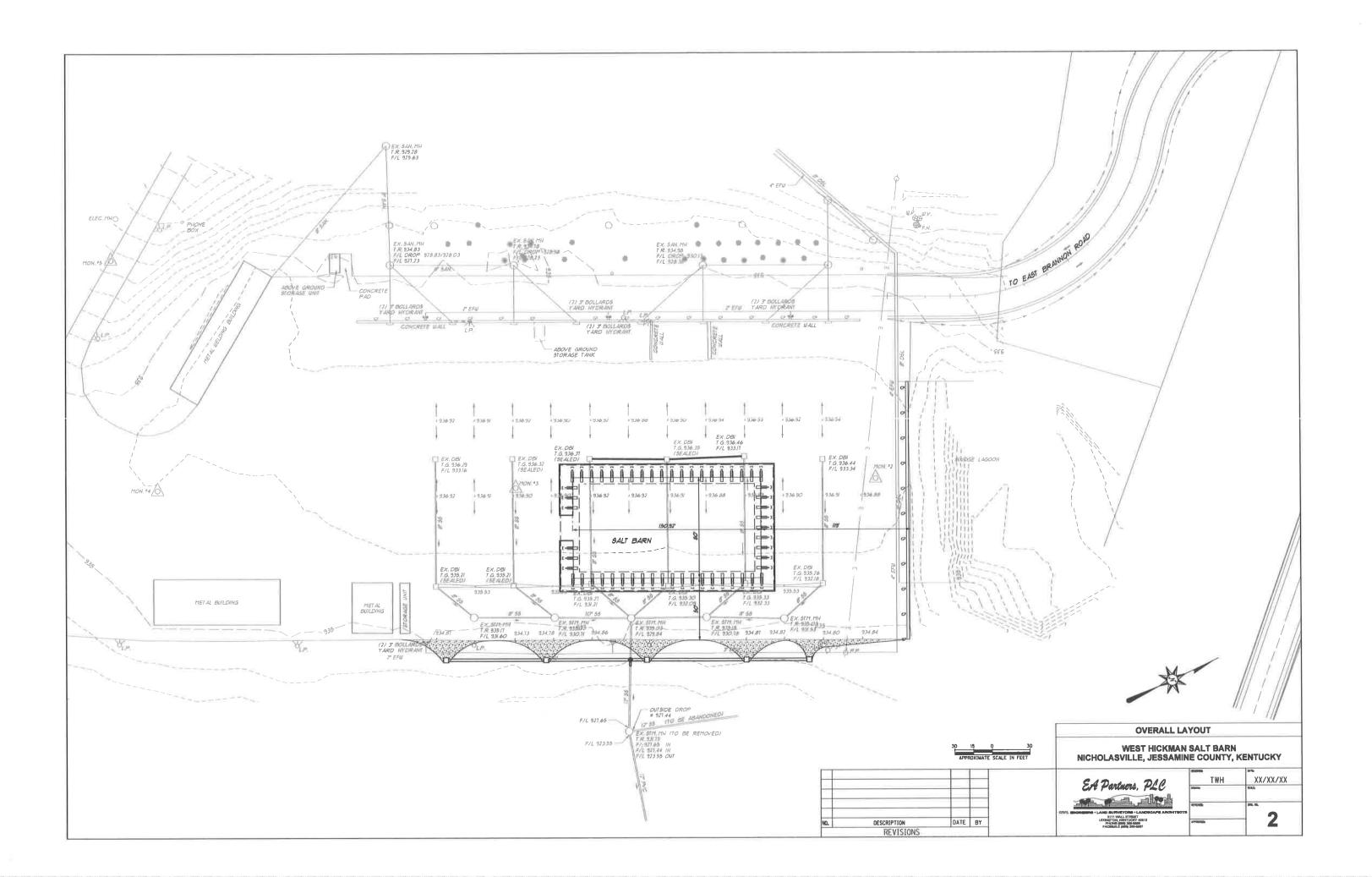
ITEM	UNIT	QUANTITY
MOBILIZATION	LS	10
GENERAL REQUIREMENTS	LS	1
EROSION CONTROL		
SILT FENCE	LF	410
STONE SILT CHECK	EA	1
MODIFIED SILT CHECK	EA	13
CONCRETE WASHOUT PIT	EA	I
SAW CUT CONCRETE SLAB	LF	960
REMOVE CONCRETE SLAB	SY	833
EXCAVATION	CY	200
NO 57 STONE	TON	1500
DENSE GRADED AGGREGATE	TON	100
8" CONCRETE SLAB	SY	239
1/2" BITUMINOUS OVERLAY	TON	115
6" EXTENDED CURB	LF	500
LONGITUDINAL EDGE KEY	LF	20
8" STORM SEWER	LF	124
12' STORM SEWER	LF	277
15' STORM SEWER	LF	5
4" DIAMETER MANHOLE	EA	1
KYTC DBI TYPE II	EA	3
REMOVE EX SURFACE INLET	EA	6
KYTC DBI TYPE 3	EA	5
6 PERFORATED PIPE	LF	460
CONCRETE FLUME INLET	SY	260
RELOCATE EXISTING YARD INLET	EA	2
RELCOATE EXISTING 3" STEEL BOLLARDS	EA	4
6° STEEL BOLLARDS	EA	2
SALT BARN BUILDING (INC. FOOTER/FOUNDATION)	LS	1
ELECTRICAL WORK	LS	1

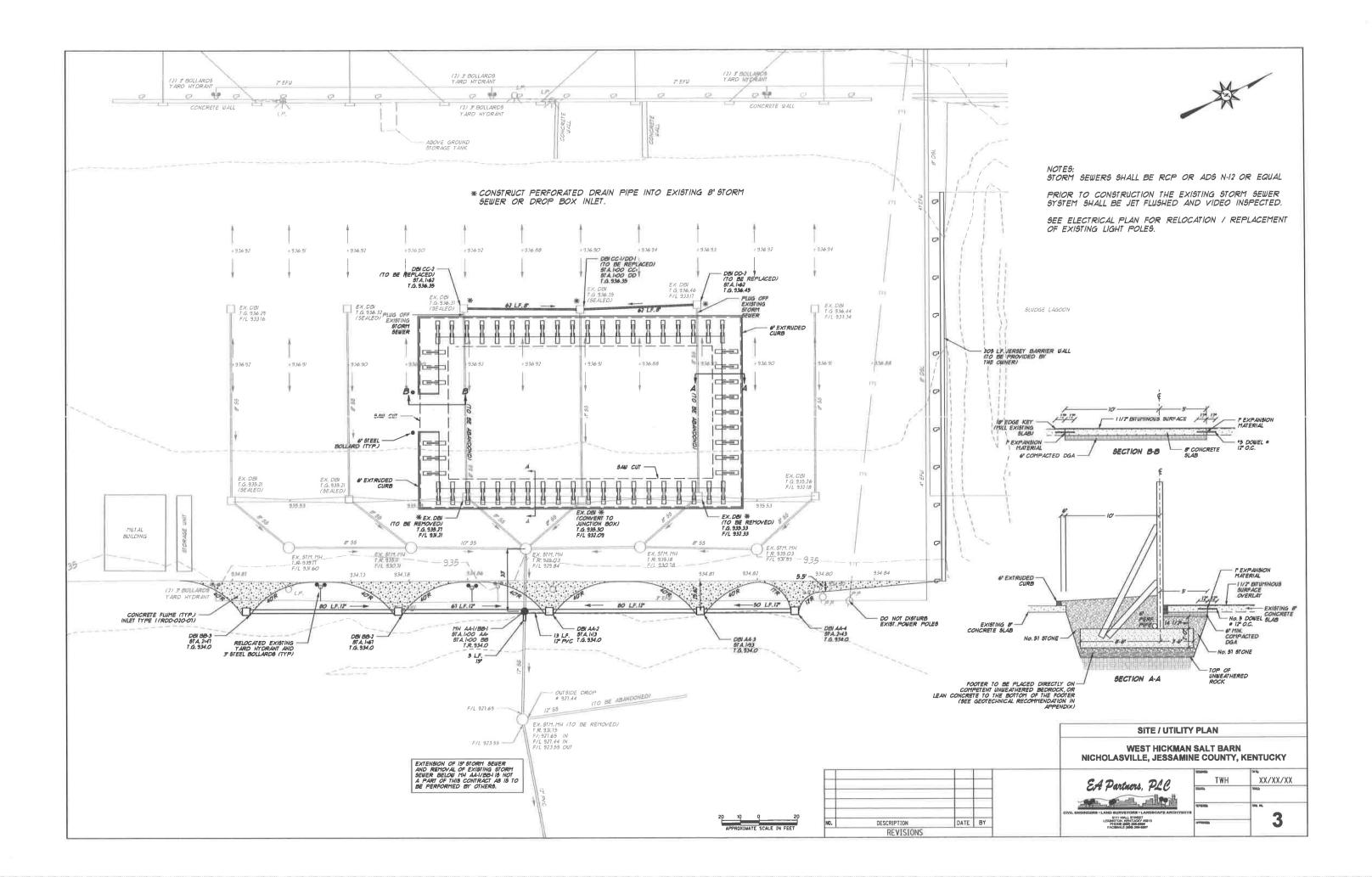
CHANTITIES

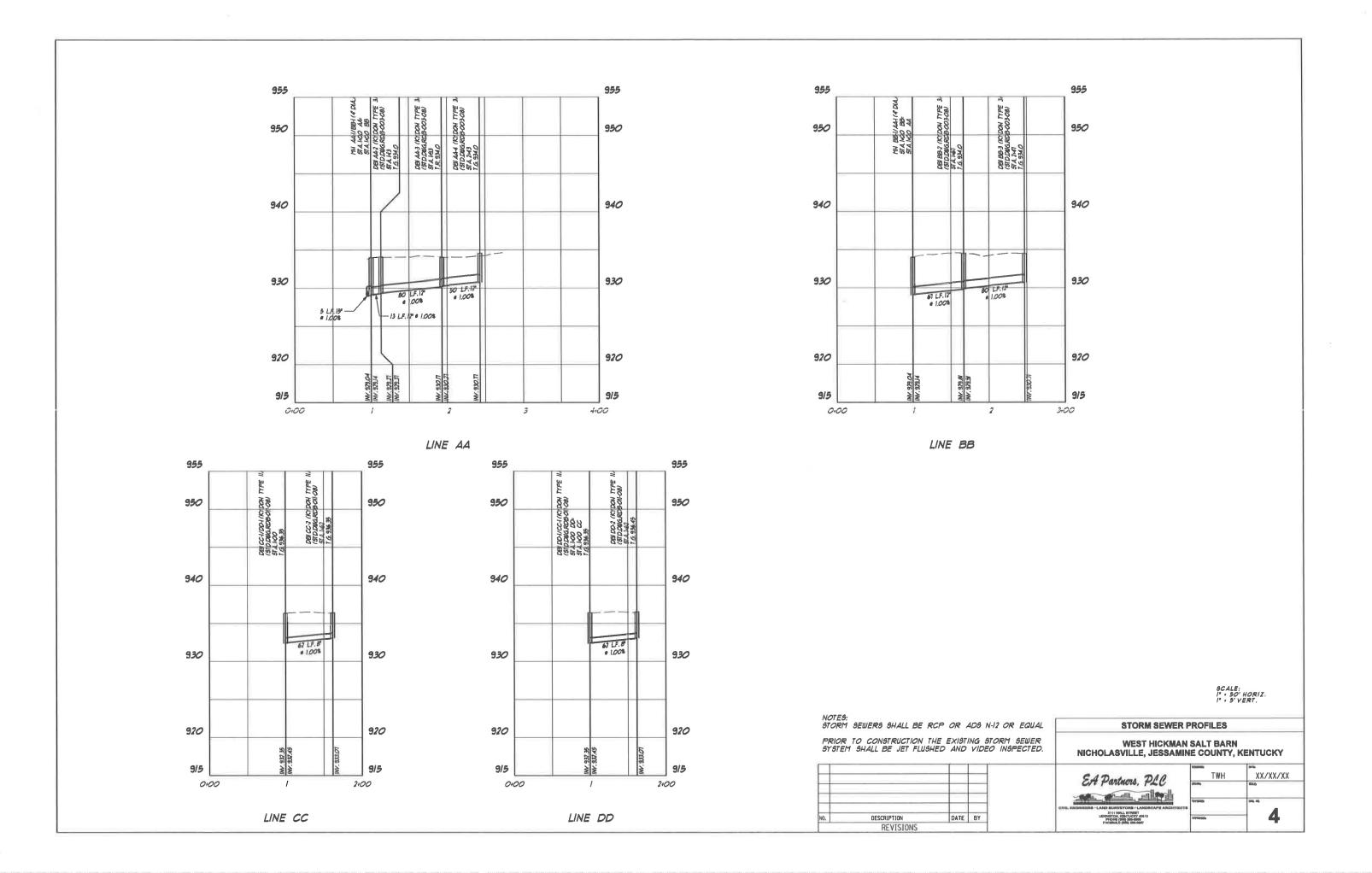
GENERAL NOTES / QUANTITIES WEST HICKMAN SALT BARN LEXINGTON, FAYETTE COUNTY, KENTUCKY

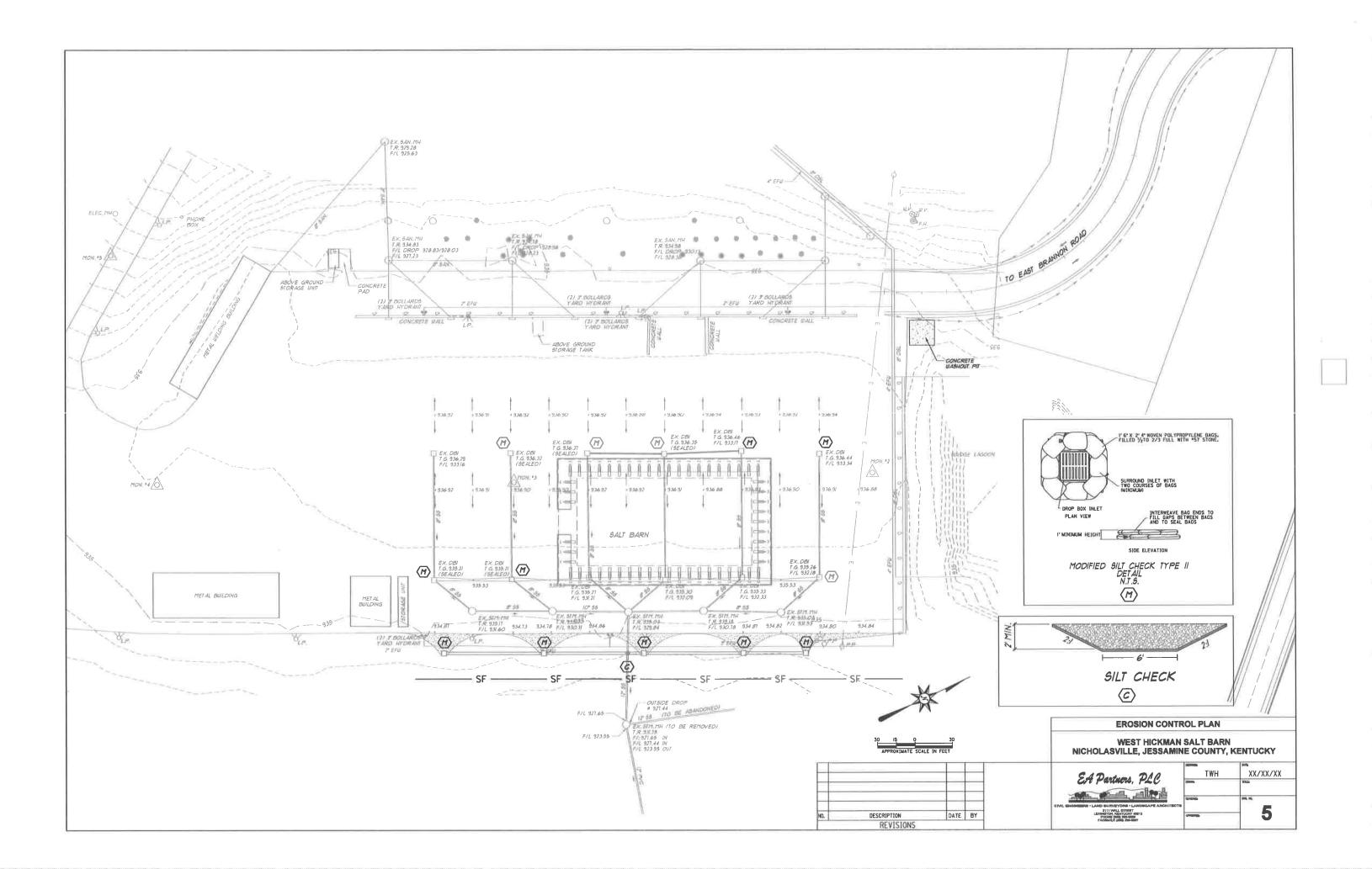
NO.	DESCRIPTION	DATE	BY
	REVISIONS		

C12 1 210	TWH	XX/XX/XX
EA Partners, PLC	Jahrens,	10th
HEERS - LAND SUNVEYORS - LANDSGAPE ANDHITECTS	STATE OF THE PARTY	-
311 WALL BYNEET LEXINGTON, ISSATUCKY 466 IS PHONE (1987) 285-4866 PACRIMER (1987) 285-4867	(CT INVIDENCE)	1









A. SITE DESCRIPTION

The project known as the West Hickman soit barn is located at the West Hickman wastewater treatment plant in northern J essamine county. The proposed barn will be located on an existing concrete side. The only disturbance of the ground will be for the installation of the storm drainage system and electrical conduit. The area outside the slab is covered with a good stand of grass. Erosion from the site will be controlled by slit fence and modified slit checks. All erosion control measures shall remain in place until the site is revenetated.

B. SEDIMENT AND EROSION CONTROL MEASURES

- Prior to mobilization, slit fence shall be installed.
- Slit fences shall comply with detail shown on Sheet a unless otherwise specified.
- 3) The construction entrance(s) and staging area shall be constructed during the first phases of the mobilization.
- 4) All spoil materials resulting from the clearing and grubbing or sewer installation operations shall be disposed of by the contractor. The material shall not be burled No burning alts shall be allowed on site.
- 5) Additional erosion control measures, in addition to those shown on the plans, may be required. The measures may include seeding, mulching, slit fence, straw boles, stone slit checks, and armoring of slit fence as necessary to prevent soll erosion.
- 6) All disturbed areas shall be stabilized. Permanent stabilization shall begin within 14 days of completion of activities. Temporary stabilization shall be provided in any portion of the site that remains inactive for more than 21 days. Stabilization practices shall include seeding, mulching, placing sod, planting trees or shrubs, and using geotextile fabrics and other appropriate measures.
- 7) If grading occurs during the winter months, the use of winter wheat or other recommended seed should be considered. When seasonal conditions prohibit the application of temporary or permanent seeding, non-vegetative soil stabilization practices such as mulching and netting shall be used until such times as conditions permit.
- 8) The performance of the erosion control plan shall be monitored weekly and following each significant rainfall in excess of 1/2". The silt control devices are to be inspected, cleaned, and repaired, if necessary.
- All erosion control features shall be cleaned and maintained so that they remain functional throughout the project.
- IO) Slit fence shall be cleaned out/repaired when slit buildup reaches I/3 of the fence height.
- II) Topsoli stockpiles and borrow sites shall be surrounded by silt fences, re-seeded, and placed where soll erosion will not leave the site.
- All erosion control measures shall remain in place until all rehabilitation construction is complete.

C. Storm Water Management Devices
Not Applicable.

D. OTHER CONTROL MEASURES

- No solids, including building materials, shall be allowed to discharge into waters of the Commonwealth.
- 2) Sediment from vehicles tracking onto pavement and from dust generated onsite shall be minimized. All mud tracked onto adjoining roadways shall be cleaned immediately.
- Sanitary and waste disposal shall comply with the project specifications, or applicable state or local conditions
- 4) An area shall be designated for employee parking and storage of materials. The area shall be maintained throughout the project and, if necessary, be covered with stope to present excess.

E. OTHER STATE OR LOCAL PLANS

All work shall be performed in accordance with the Lexington-Fayette Urban County Covernment's requirements with respect to storm water management and ension control.

F. MAINTENANCE

Refer to Section B for discussion of maintenance of the sediment control features.

G. INSPECTION

- Refer to Section B for discussion of inspections of the sediment control features,
- The Inspections shall be performed by qualified representatives of the Engineer or the Division of Water Quality.
- 3) The findings of the inspections shall be hand delivered, emailed or faxed to the Contractor and the Division of Water Quality.
- 4) Revisions to the Best Management Practices Plan based on the results of an Inspection shall be implemented within (7) seven days.
- Control measures shall be inspected to ensure correct operation. Accessible discharge locations shall be inspected to insure that velocity dissipation devices are effective in preventing significant impacts to receiving waters.
- 6) Disturbed areas and material storage areas that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system.
- 1) Reports of the inspections including the scope, names and qualifications of personnel of persons making the inspection, the date of the inspection, major observations relating to the implementation of the Best Management Practices Plan, and any corrective actions taken shall be made and kept for a period of three (3) years or until one (1) year after the permit ends.
- 8) The Inspection reports shall be provided to the Engineer or the Division of Water Quality for Incorporation into the Best Management Practices Plan.

H. NON-STORM WATER DISCHARGES

- The site shall be maintained in a manner such that non-storm water discharges are prevented from leaving the site.
- Should a non-stormwater discharge occur the proper authorities shall be notified (Division of Environmental Services and Division of Water)
- 3) The only non-storm water discharges which are permitted are those from fire fighting activities, fire hydrant flushing, potable water sources, water line flushing, irrigation or lawn watering, detergent free building or povement washing where spills or leaks of taxlc materials have not yet occurred or have been completely removed, air conditioning condensation, natural springs, and uncontaminated ground water sources.

I. CONTRACTORS AND SUBCONTRACTORS

- The general contractor shall furnish the Engineer or the Division of Water Quality with the contractor or subcontractor that is responsible for implementing and maintaining each portion of the sediment control measures shown on the plans or outlined in this Best Management Practices Plan.
- 2) All contractors and subcontractors shall sign a copy of the certification statement below before conducting any professional service at the site.

This pion has been prepared by:

EA Partners, PLC Thomas W. Hatfield, P.E., PLS

Copies of the certifications shall be submitted to the Engineer for Inclusion in the Best Management Practices Pion.

CONTRACTOR / SUBCONTRACTOR CERTIFICATION

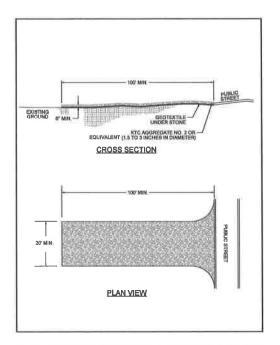
WEST HICKMAN SALT BARN LEXINGTON, FAYETTE COUNTY, KENTUCKY

NAME	
COMPANY	
TITLE	
ADDRESS	
PHONE	

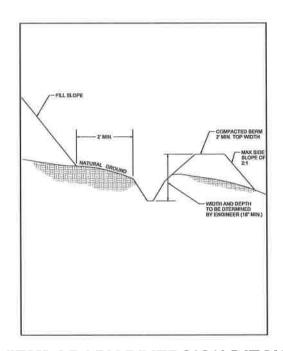
'I certify under pendity of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.'

SIGNATURE			DEGI MANAGEMENT PRACTICES PERM						
SIGNATURE					WEST HICKMAN S LEXINGTON, FAYETTE CO		UCKY		
					EA Partners, PLC	TWH	XX/XX/XX TORES		
	10	OFF COURTION	DATE	BY	OIVIL BROWNERS - LAND SURVEYORS - LANDSCAPE ARCHITECTS		6		
1	NU.	DESCRIPTION	DATE	DT	PHONE (849) 266-8660 FACEMALE (869) 256-8607		0		

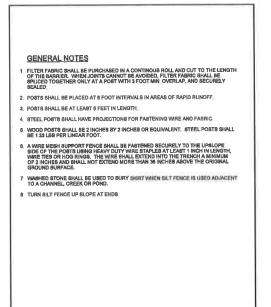
DEST MANAGEMENT ODACTICES DI AN



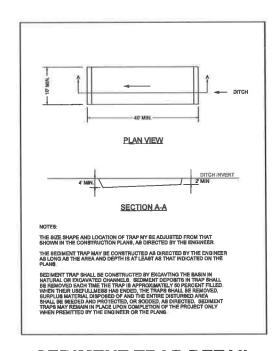
CONSTRUCTION ENTRANCE



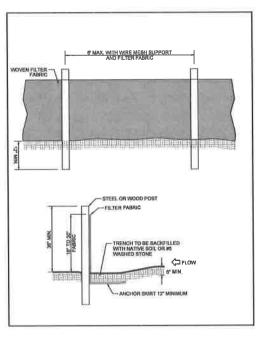
TEMPORARY DIVERSION DITCH



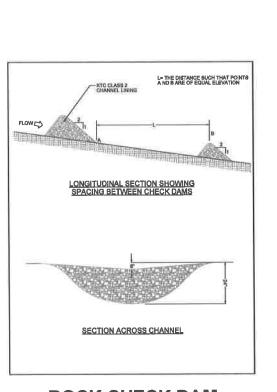
TEMPORARY SILT FENCE
GENERAL NOTES



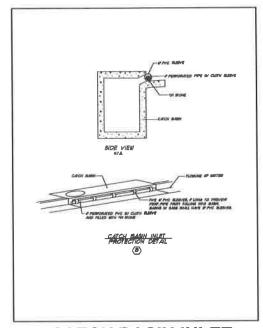
SEDIMENT TRAP DETAIL



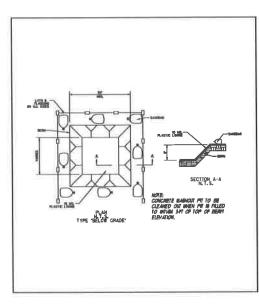
SILT FENCE DETAIL



ROCK CHECK DAM

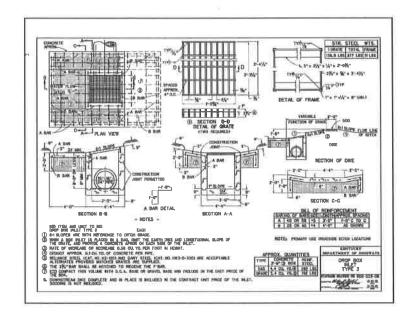


CATCH BASIN INLET PROTECTION DETAIL

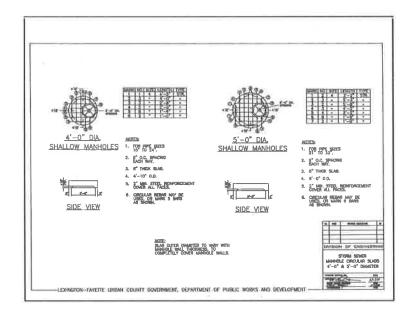


CONCRETE WASHOUT PIT

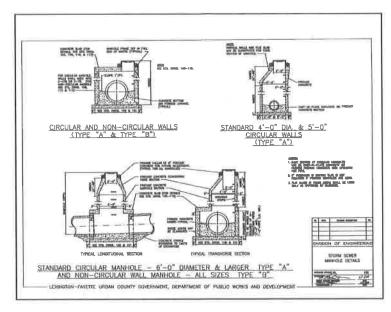
CK DAM			BEST MANAGEMENT PRACTICES DETAILS				
			WEST HICKMAN NICHOLASVILLE, JESSAMIN				
				-	90 7Es		
			CAD DAA	TWH	XX/XX/XX		
			EA Partners, PLC	parts.	WILL.		
				-	316, 16,		
DESCRIPTION	DATE	ВУ	CIVII. EMMINISTRE *LANCE SURVINITIONS *LANCEUTECTS 311 WALL STREET LEXESTON, RESTUCKY 40619 PHORE (1909) 248-2489	ATTEMPT .	⊣ 7		
REVISIONS			FACILITIE (011) 282-007				



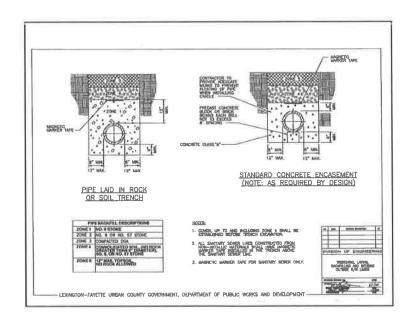
DROP BOX INLET TYPE 3



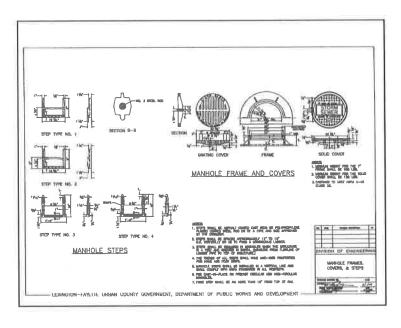
STORM MANHOLE



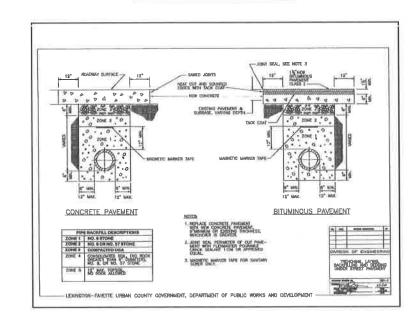
STORM MANHOLE



TRENCHING OUTSIDE R/W LIMITS

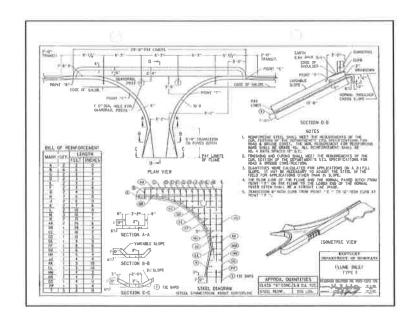


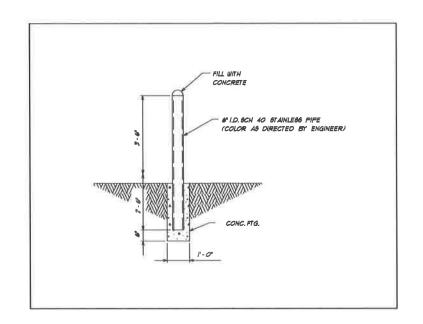
STORM MANHOLE



TRENCHING UNDER PAVEMENT

				PROJECT DETAILS						
				WEST HICKMAN NICHOLASVILLE, JESSAMIN						
					Tittle	W /VV /VV				
				EA Partners, PLC	TWH	XX/XX/XX				
					_					
_					NI TELEVISION	1916, III.				
				GIVIL INGRIGUES - LAND SURVEYORS - LANDSGAPE ARCHITECTS 311 WALL STREET		_ 0				
10.	DESCRIPTION	DATE	BY	STREAM CONTROL OF THE	Service Control of the Control of th	0				
	REVISIONS			- ALL (LL) ALL (LL)						





CONCRETE FLUME

STEEL BOLLARD DETAIL

