



**US Army Corps
of Engineers.**
Philadelphia District

Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No.
CENAP-OP-R-200600239-65

Date
AUG 18 2006

Application No.

File No.

In Reply Refer to:
REGULATORY BRANCH

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Side Corporation
Mr. Mark Sincavage

AGENT: Mr. Martin Musso
Reilly Associates
222 Wyoming Avenue
West Pittston, PA 18643-2822

WATERWAY: Tobyhanna Creek

LOCATION: The project is located at the intersection of SR 115 and I-80, on Commercial Boulevard, within New Ventures Industrial Park, Blakeslee, Tobyhanna Township, Monroe County, Pennsylvania.

ACTIVITY: To construct two (2) stream crossings of Goose Run and one (1) wetland crossing. Both stream crossings will be using an open bottom arch culvert, permanent impacts to waters of the U.S. will be 110 linear feet or 0.025 acre of stream and 0.047 acre of forested wetland for crossing one, 87 linear feet or 0.019 acre of stream for crossing two and 1.146 acres of forested wetlands for the wetland crossing. Temporary impacts for crossing one and two will be 0.02 acre, there are no proposed temporary impacts for the wetland crossing. All work to be done in accordance with drawings E-1 through E-25.

The applicant proposes the creation of 2.0 acres of wetlands, on-site, within forested areas of the property adjacent to the large wetland complex. A one (1) acre site is located on the western side of the wetland and one (1) acre site is located on the eastern side of the property, see plans E-19 through E-25.

The applicant was previously authorized by Department of the Army permit CENAP-OP-R-199900865, to construct a stream crossing of Goose Run and to place fill in a wetland for the construction of Park Avenue. Impacts to waters of the United States included 20

linear feet of stream or 0.001 acre and 0.002 acre of wetland fill for the construction of the Park Avenue cul-de-sac, within the New Ventures Park Industrial Development.

PURPOSE: To provide access to a 65.97 acre upland lot and construct the infrastructure for the remaining undeveloped land located within the New Ventures Industrial Development.

A preliminary review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. A review of the Pennsylvania Natural Diversity index indicates no conflicts with Federally endangered species or their critical habitat. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Pocono Area Field Office, RR 1 Box 1487, Gouldsboro, Pennsylvania 18424.

Review of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located within the permit area of the work. However, after initial review of the project location the Pennsylvania State Historical Commission has determined that there is a high probability that archaeological resources may exist on the project site. Therefore, a Phase One archaeological survey of the permit area shall be conducted prior to the issuance of a permit.

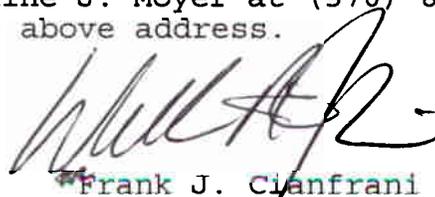
The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary assessment of the project revealed that the project is located above those waters designated as Essential Fish Habitat by National Marine Fisheries.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling Elaine J. Moyer at (570) 842-1044 or writing this office at the above address.



Frank J. Cianfrani
Chief, Regulatory Branch

INDEX OF DRAWINGS	
DESCRIPTION	SHEET
COVER	1
GENERAL SUBDIVISION	2
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QUIBERT #1 PLAN & PROFILE	4
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CONSTRUCTION DETAILS	6-7
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PROFILE	11-12
EAS PLAN VIEWS	13-15
EAS DETAILS	16-18

ALSO INCLUDED PLANS:
 POST CONSTRUCTION STORMWATER MANAGEMENT PLANS 1 SHEET
 WETLAND MITIGATION PLANS 7 SHEETS

S.I.D.E. CORPORATION

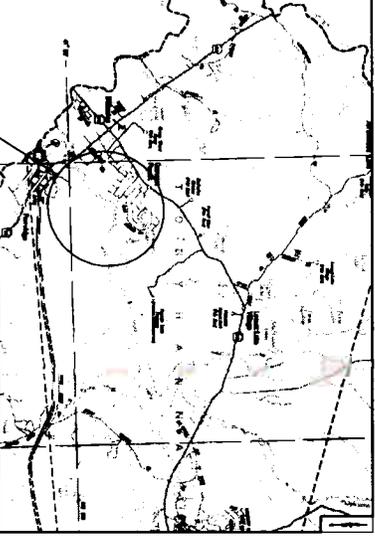
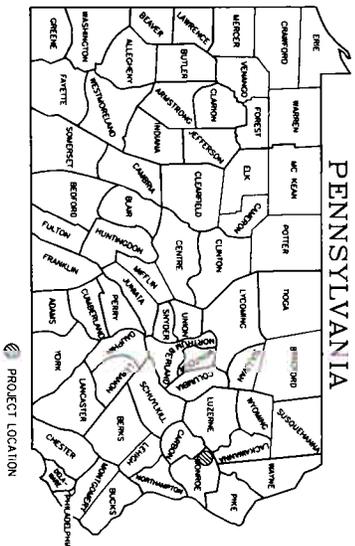
FINAL SUBDIVISION PLANS FOR NEW VENTURES PARK PHASE III

TOBYHANNA TOWNSHIP
 MONROE COUNTY, PENNSYLVANIA

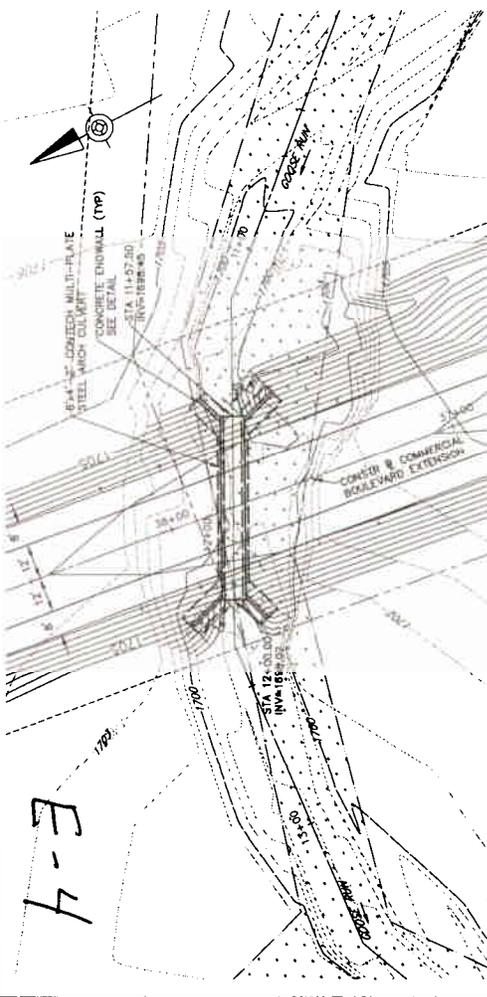
PREPARED BY:
REILLY ASSOCIATES

CONSULTING ENGINEERS
 222 WYOMING AVENUE
 WEST PITTSBURGH, PA. 15643
 TELEPHONE (570) 654-2473
 MAY 17, 2006
 REVISED AUGUST 2006

NPDES PERMIT No. PA1010S046R (2)

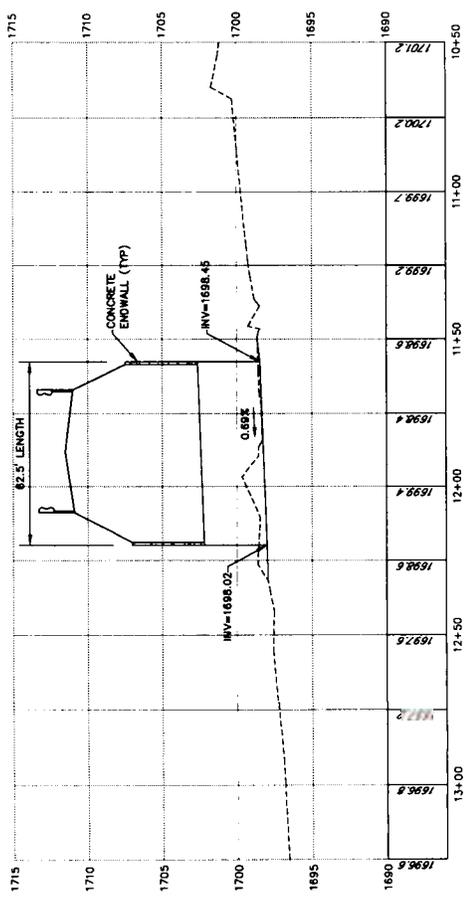


E-1



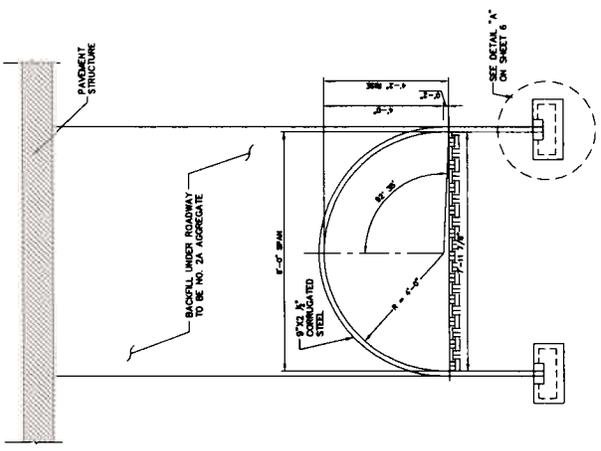
STREAM CROSSING PLAN VIEW

HORIZONTAL SCALE
0 20 40 FEET



PROFILE ALONG CULVERT

SCALE: HORIZONTAL = 20
VERTICAL 1" = 4'



TYPICAL SECTION
SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PUBLICATION 408, LATEST EDITION AND THE CONTRACT SPECIAL PROVISIONS.

2. DESIGN SPECIFICATIONS: CONTECH MULTI-PLATE STEEL ARCH CULVERT DESIGN IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR STEEL ARCH BRIDGES AND CULVERTS, LATEST EDITION.

3. DESIGN IN ACCORDANCE WITH THE LOAD FACTOR METHOD.

4. FABRICATOR TO PROVIDE DETAILED SHOP DRAWINGS INCLUDING STRUCTURAL CALCULATIONS SEALED BY REGISTERED PROFESSIONAL ENGINEER.

UTILITIES: LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING WORK. CONDUCT OPERATIONS IN A MANNER WHICH ASSURES THAT THE UTILITIES WILL NOT BE DISTURBED OR ENDANGERED, AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO UTILITIES DURING CONSTRUCTION. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THE LOCATION, DEPTH, OR TYPE, SIZE AND LOCATION OF ANY UTILITY.

GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFE ERECTION OF ALL STRUCTURES. PROVIDE ALL NECESSARY BRACING AND SUPPORTS. CONSTRUCTION ACTIVITY WILL NOT BE ALLOWED OUTSIDE THE RIGHT-OF-WAY DETAILS OTHER THAN THOSE INDICATED ARE ON THE FOLLOWING PENNSYLVANIA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS:

- RC-104 APR 15, 2004 CLASSIFICATION OF EARTHWORK
- RC-104 APR 15, 2004 CLASSIFICATION OF EARTHWORK FOR STRUCTURES
- RC-124 APR 15, 2004 BACKFILL AT STRUCTURES
- RC-524 APR 15, 2004 TYPE 2 STRONG POST GUIDE RAIL
- RC-704 APR 15, 2004 EROSION AND SEDIMENT POLLUTION CONTROL

TOWNSHIP SUBMISSION REQUIREMENTS: CONTECH MULTI-PLATE STEEL ARCH CULVERTS AND CONCRETE ENDWALLS TO BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION. DETAILS SHOWN ARE FOR REFERENCE ONLY. COMPLETE DESIGN DOCUMENTS SHOULD BE PROVIDED AT LEAST SIX (6) WEEKS IN ADVANCE OF CONSTRUCTION. CONSTRUCTION OF THE PROPOSED STRUCTURES MAY NOT COMMENCE WITHOUT TOWNSHIP APPROVAL.

S.I.D.E. CORPORATION
FINAL SUBDIVISION PLANS FOR
NEW PHASE III
TOBIMANNA TOWNSHIP, HUNDEE COUNTY
PENNSYLVANIA

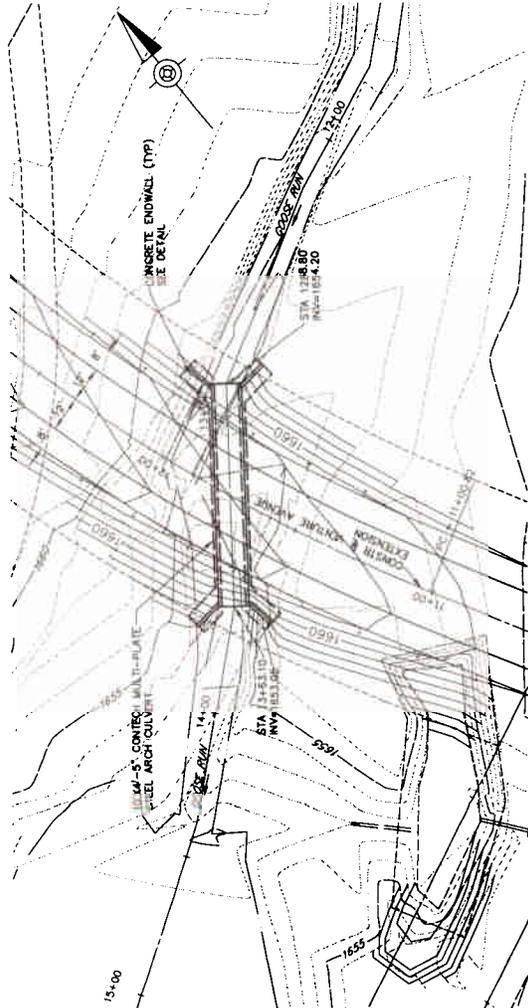
CULVERT #1
888 Peachtree Avenue
West Chester, PA 19380
Tel: 610-336-1100
Fax: 610-336-1101
www.sidecorp.com

Reilly
REGISTERED PROFESSIONAL ENGINEER

Scale By: MAM
Checked By: MAM
Approved By: MAM
Date: 03-17-06
Project No.: 03-17-06
Sheet No.: 4 OF 18

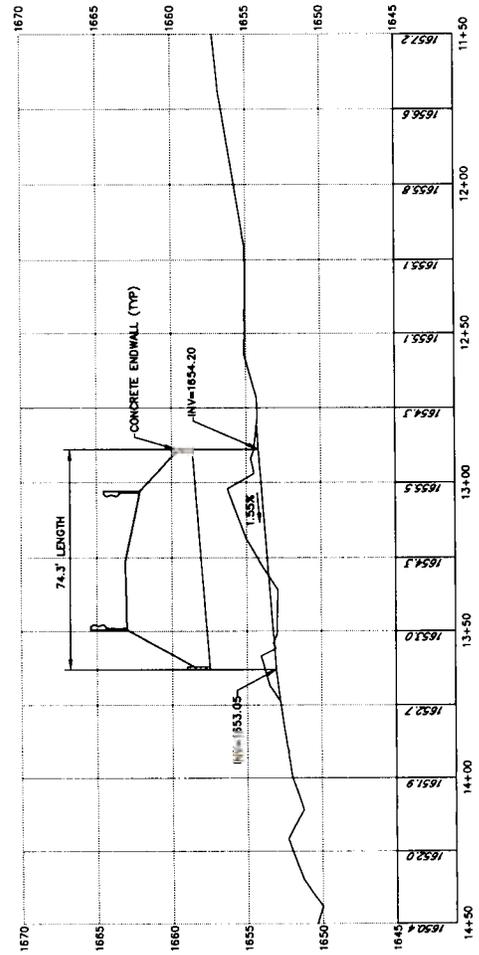
NO.	REVISION	DATE	APPROVED
1	REVISED CULVERT TYPE		

E-5



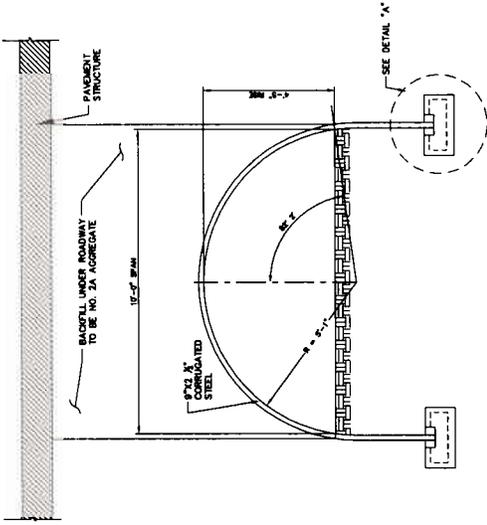
STREAM CROSSING PLAN VIEW

HORIZONTAL SCALE
0 20 40 FEET



PROFILE ALONG CULVERT

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=4'



TYPICAL SECTION
SCALE: 1"=2'

GENERAL NOTES

- MATERIALS AND WORKMANSHIP: PROVIDE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PUBLICATION 408, LATEST EDITION AND THE CONTRACT SPECIAL PROVISIONS.
- DESIGN SPECIFICATIONS: CONCRETE MULTIPLE-PLATE STEEL ARCH CULVERT FOR HIGHWAY BRIDGES (SEC. 12) AS PER MANUFACTURERS REQUIREMENTS.
- DESIGN IN ACCORDANCE WITH THE LOAD FACTOR METHOD.
- DESIGN LIVE LOADING IS HS20.
- STRUCTURAL CALCULATIONS SEALED BY REGISTERED PROFESSIONAL ENGINEER.
- UTILITY NOTES: VERIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING WORK. CONDUCT OPERATIONS IN A MANNER WHICH ENSURES THAT THE UTILITIES WILL NOT BE DISTURBED OR ENGAGED, AND ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES. OWNER DOES NOT ASSUME RESPONSIBILITY FOR REIMBURSEMENT, PARTICIPATION IN DESIGN AND/OR REVISIONS, OR LIABILITY FOR ACCURACY OF TYPE, SIZE AND LOCATION OF ANY UTILITY.
- GENERAL CONSTRUCTION: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE ERECTION OF ALL STRUCTURES. PROVIDE ALL NECESSARY BRACING AND SUPPORTS. CONSTRUCTION ACTIVITY WILL NOT BE ALLOWED OUTSIDE THE RIGHT-OF-WAY. DETAILS OTHER THAN THOSE INDICATED ARE ON THE FOLLOWING: PENNSYLVANIA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS: RC-10M APR 15, 2004 CLASSIFICATION OF EARTHWORK RC-11M APR 15, 2004 CLASSIFICATION OF EARTHWORK FOR STRUCTURES RC-12M APR 15, 2004 BACKFILL AT STRUCTURES RC-13M APR 15, 2004 EROSION AND SEDIMENT POLLUTION CONTROL RC-70M APR 15, 2004 EROSION AND SEDIMENT POLLUTION CONTROL
- TOWNSHIP SUBMISSION REQUIREMENTS: CONTACT MULTIPLE-PLATE STEEL ARCH CULVERTS AND CONCRETE ENDWALLS TO TOWNSHIP AND OWNER SIGNED AND SEALED BY A PENNSYLVANIA PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. DETAILS SHOWN ARE FOR REFERENCE ONLY. COMPLETE DESIGN DOCUMENTS SHOULD BE SUBMITTED AT LEAST 16 WEEKS IN ADVANCE OF THE START OF CONSTRUCTION OF THE PROJECT. STRUCTURES MAY NOT COMMENCE WITHOUT TOWNSHIP APPROVAL.

S.I.D.E. CORPORATION
FINAL SUBDIVISION PLANS FOR
NEW VENTURES PARK
PHASE III
TOWNSHIP OF TOWNSHIP, MONROE COUNTY
PENNSYLVANIA

CULVERT #2
PLAN AND PROFILE

AS NOTED
AS NOTED

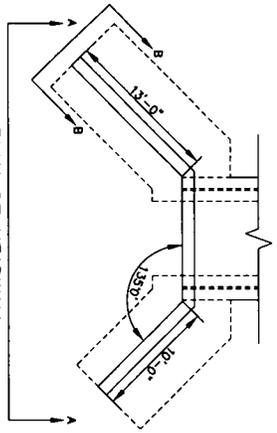
Project No. 2004-05-17-08
Sheet No. 5 OF 18

Reilly
CORPORATION
1000 North 10th Street
P.O. Box 1000
Pittsburgh, PA 15224

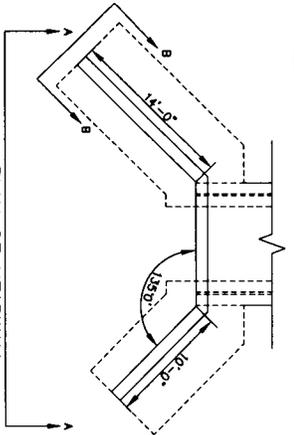
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4	09/01/05	AM	
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DATE: 08/24/05
TIME: 10:00 AM
CHECKED: [Signature]
APPROVED: [Signature]

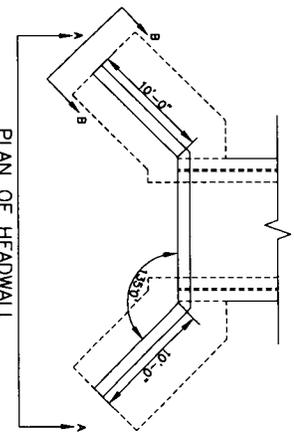
PLAN OF HEADWALL
CULVERT NO. 1-UPSTREAM
SCALE: 1" = 5'



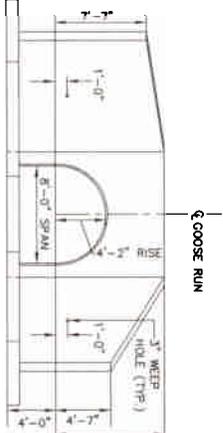
PLAN OF HEADWALL
CULVERT NO. 1-DOWNSTREAM
SCALE: 1" = 5'



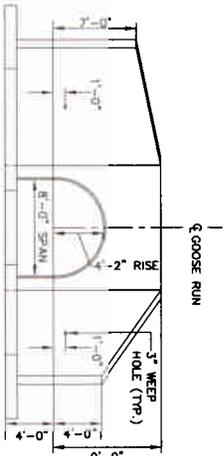
PLAN OF HEADWALL
CULVERT NO. 2-UPSTREAM & DOWNSTREAM
SCALE: 1" = 5'



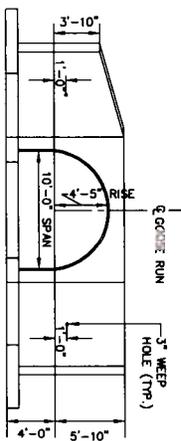
ELEVATION A-A
CULVERT NO. 1-UPSTREAM
SCALE: 1" = 5'



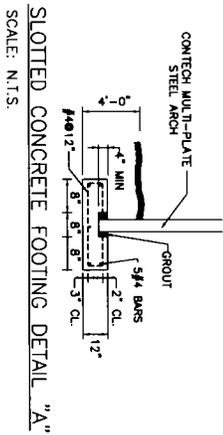
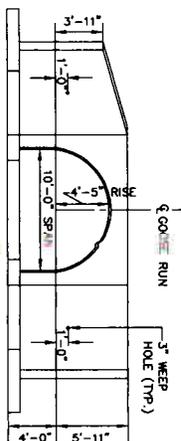
ELEVATION A-A
CULVERT NO. 1-DOWNSTREAM
SCALE: 1" = 5'



ELEVATION A-A
CULVERT NO. 2-UPSTREAM
SCALE: 1" = 5'



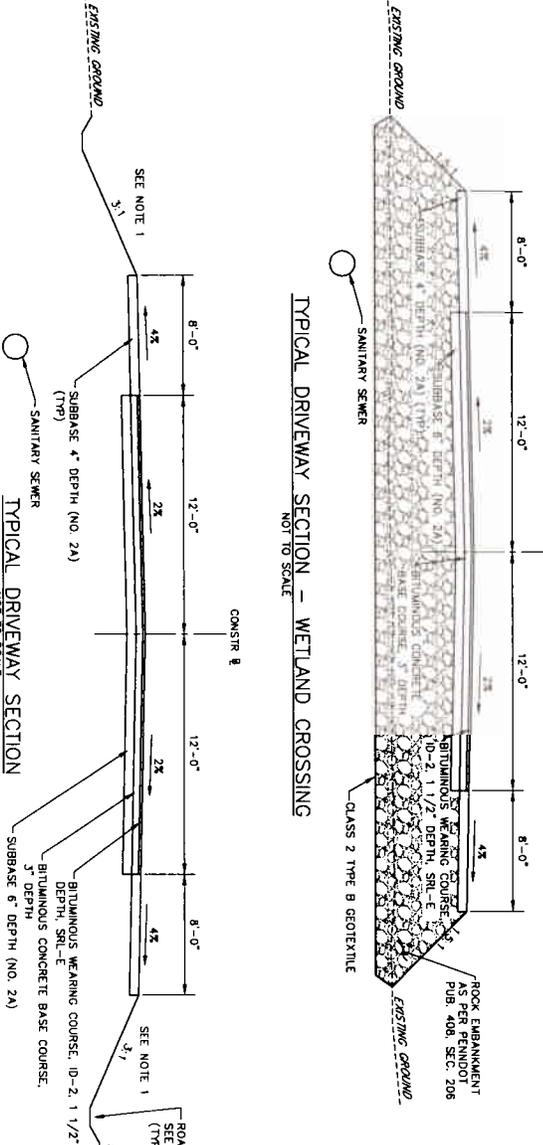
ELEVATION A-A
CULVERT NO. 2-DOWNSTREAM
SCALE: 1" = 5'



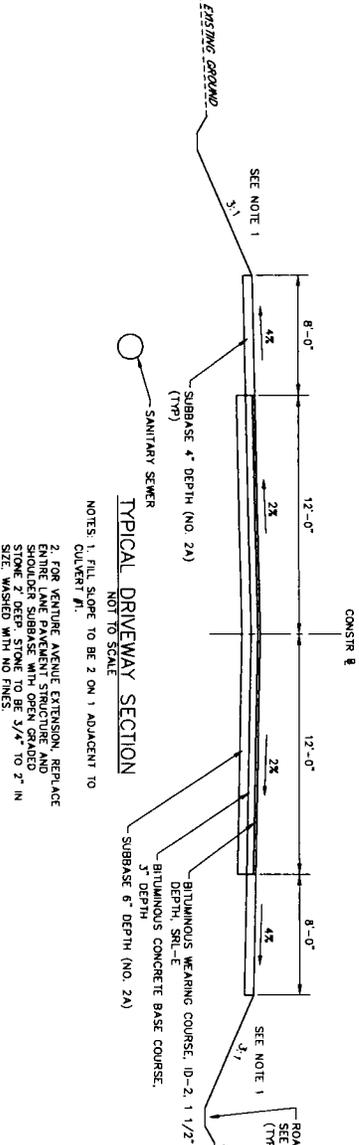
SLOTTED CONCRETE FOOTING DETAIL "A"
SCALE: N.T.S.

NOTES: 1. DETAILS ARE SHOWN FOR REFERENCE ONLY. STRUCTURAL DESIGN AND DIMENSIONS ARE TO BE PROVIDED BY CONTRACTOR AND SUBMITTED TO THE TOWNSHIP IN ACCORDANCE WITH THE GENERAL NOTES ON THE CULVERT PLAN AND PROFILE SHEET.

TYPICAL DRIVEWAY SECTION - WETLAND CROSSING
NOT TO SCALE

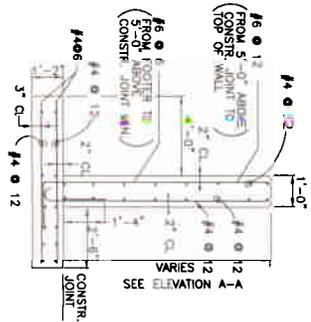


TYPICAL DRIVEWAY SECTION
NOT TO SCALE



NOTES: 1. FILL SLOPE TO BE 2 ON 1 ADJACENT TO CULVERT #1.
2. FOR VENTURE AVENUE EXTENSION, REPLACE EXISTING DRIVEWAY AND SHOULDER SUBBASE WITH OPEN GRADED STONE 2" DEEP. STONE TO BE 3/4" TO 2" IN SIZE. WASHED WITH NO FINES.

SECTION B-B
SCALE: N.T.S.



CONSTRUCTION DETAILS

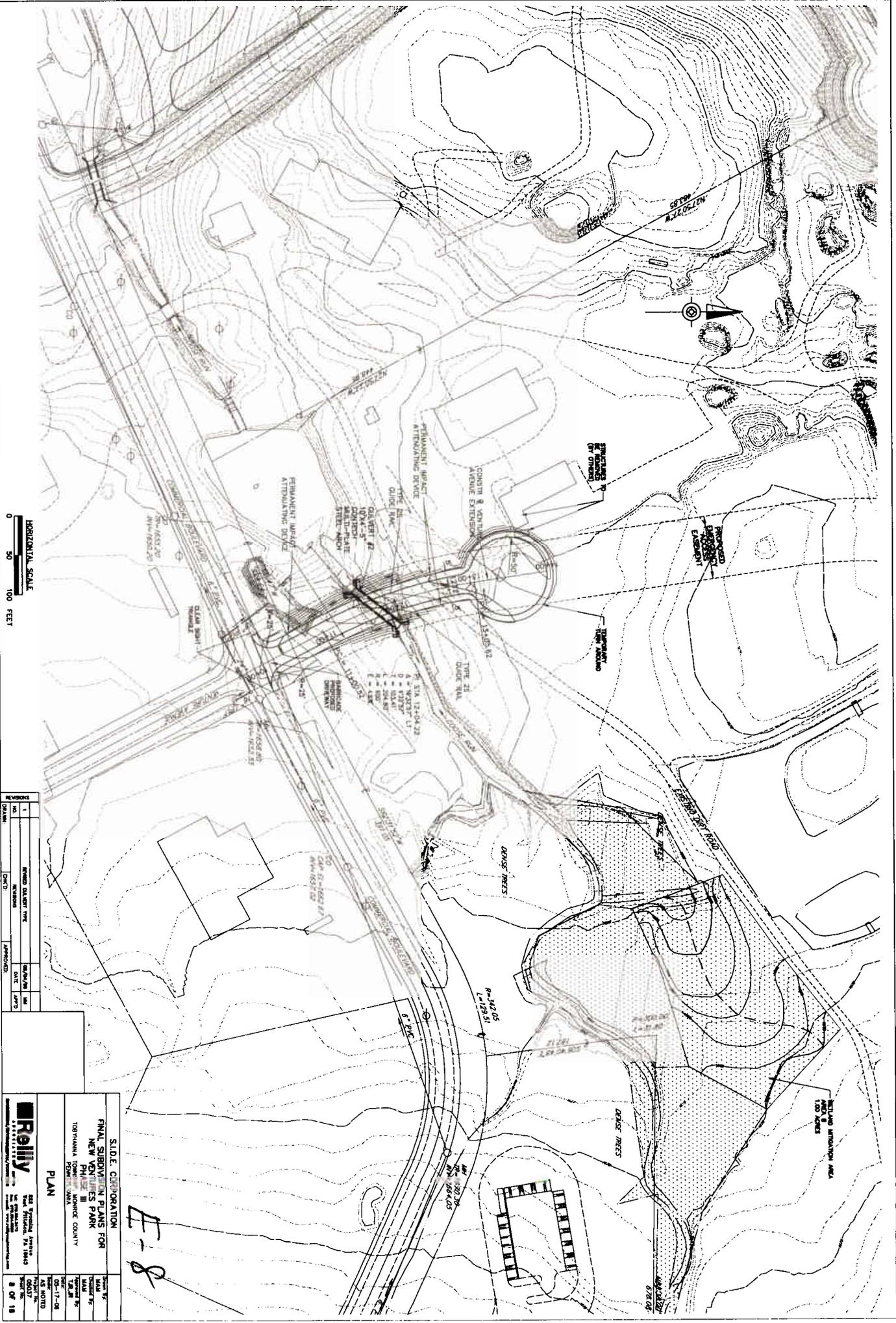
FINAL SUBMITTAL PLANS FOR NEW VENTURES PLANS

NO.	REVISION	DATE	BY	CHKD.
1	REVISED CULVERT TYPE, ADD NUMBER 1			
2	REVISION			
3	REVISED			

Relilly
11111 11111 11111

SLIDE CORPORATION
FINAL SUBMITTAL PLANS FOR
NEW VENTURES PLANS
TOWNSHIP ENGINEER: JAMES J. MORSE, COUNTY ENGINEER
DATE: 05/11/16
SCALE: N.T.S.

CONSTRUCTION DETAILS
DATE: 05/11/16
PROJECT NO: 05017
SHEET NO: 8 OF 18



HORIZONTAL SCALE
 0 50 100 FEET

NO.	DATE	BY	REVISION
1			REVISION
2			REVISION
3			REVISION
4			REVISION
5			REVISION
6			REVISION
7			REVISION
8			REVISION
9			REVISION
10			REVISION

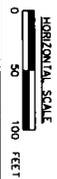
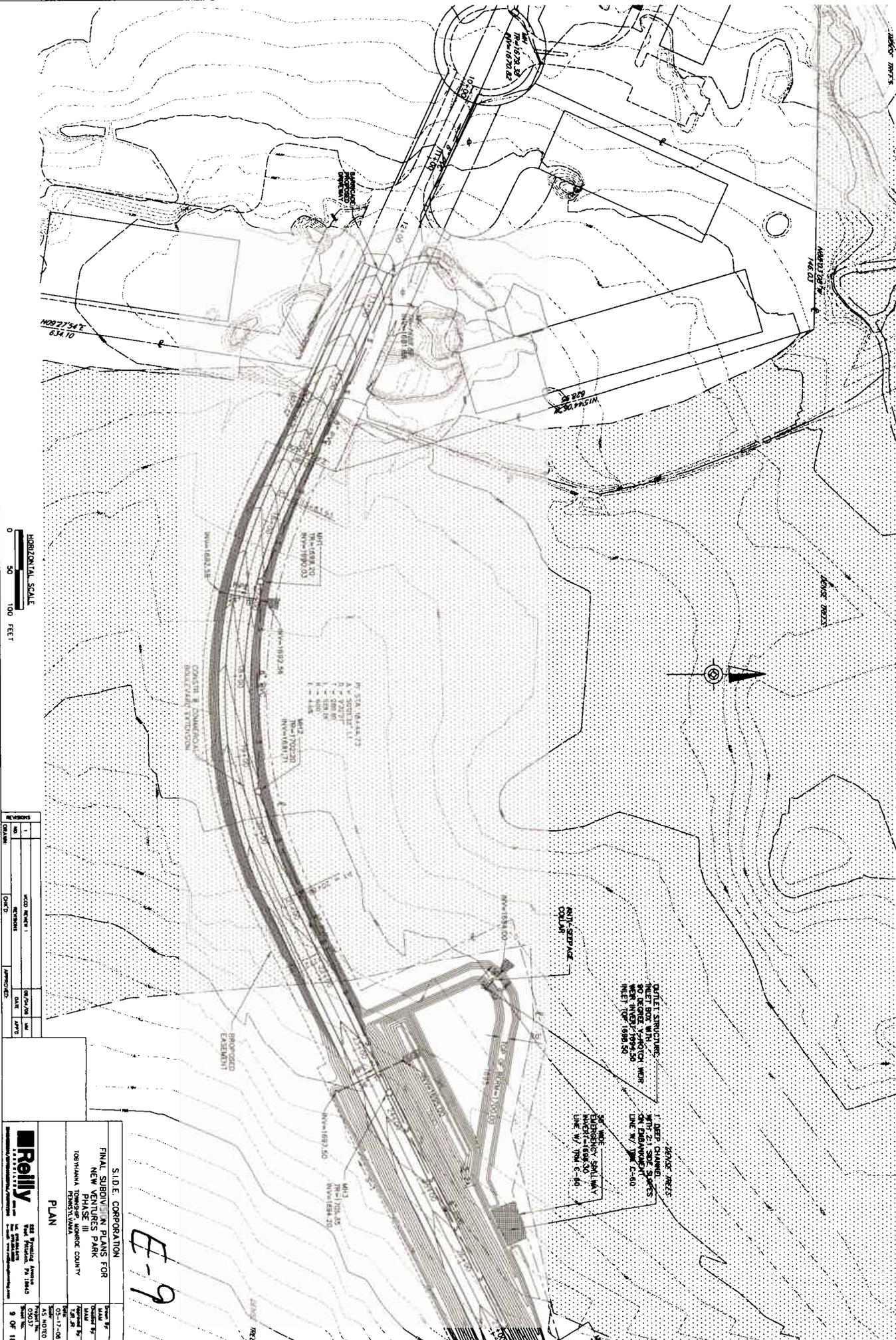
REILLY
 ENGINEERS & ARCHITECTS
 1000 MARKET STREET, PHILADELPHIA, PA 19104
 TEL: 215-581-1000
 FAX: 215-581-1001
 WWW.REILLYENGINEERS.COM

**FINAL SUBDIVISION PLANS FOR
 NEW CENTRAL PARK
 TOWNSHIP, MONROE COUNTY
 PENNSYLVANIA**

PLAN

DATE: 05-17-08
 SCALE: AS SHOWN
 SHEET: 8 OF 18

E-8



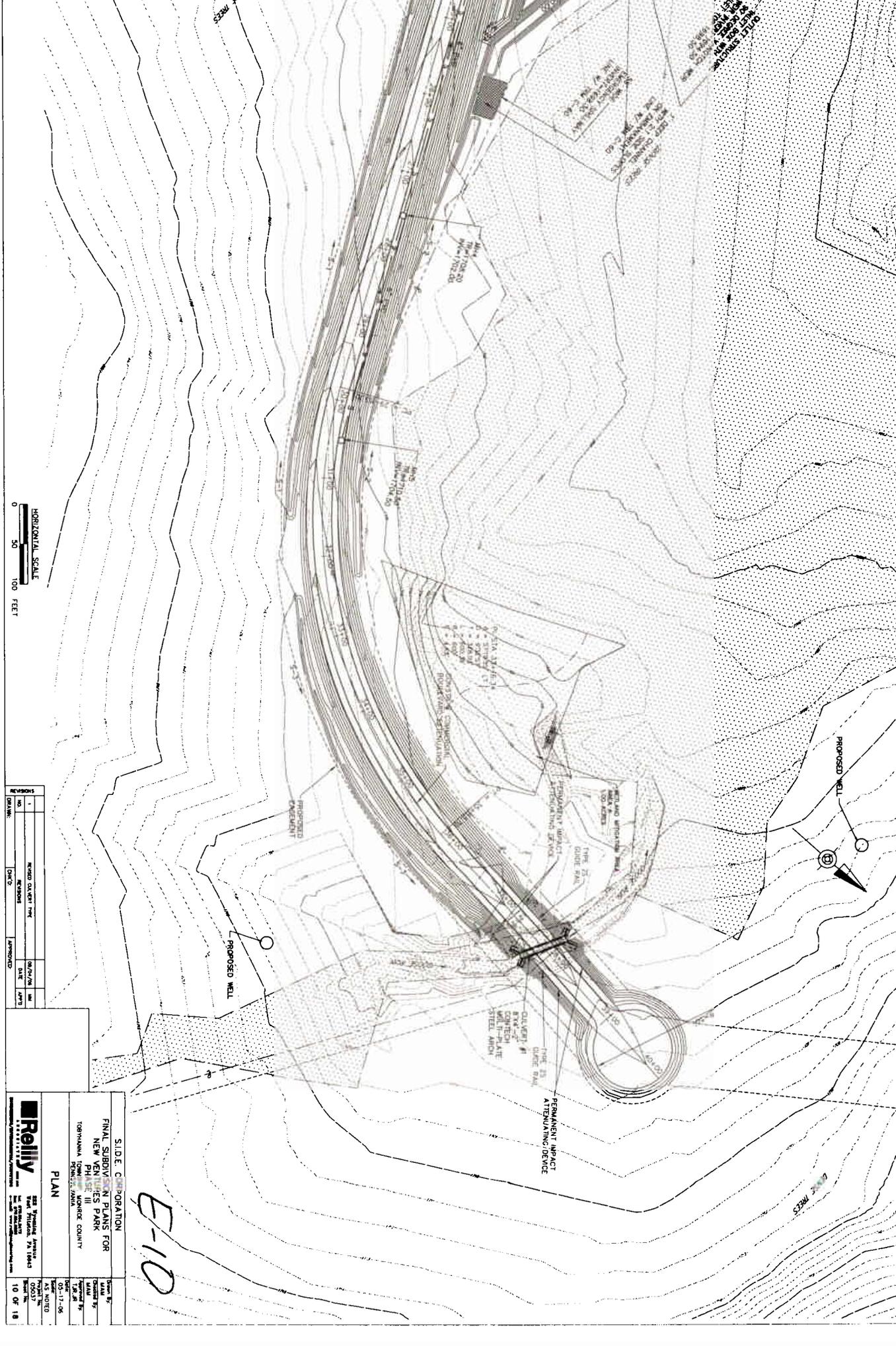
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97	10/15/08	JMS	JMS
98	11/15/08	JMS	JMS
99	12/15/08	JMS	JMS
100	01/15/09	JMS	JMS

E-9

Slide Corporation
 FINAL SUBMITTAL PLANS FOR
 NEW VENUES PARK
 TORHIANA TOWNSHIP, LODICE COUNTY
 PENNSYLVANIA

Reilly
 800 Pennsylvania Avenue
 Philadelphia, PA 19106
 Tel: 215-562-1000
 Fax: 215-562-1001
 www.reilly.com

Project No. 05-17-08
 Date: 05-17-08
 Scale: AS SHOWN
 Sheet No. 9 OF 18



NO.	REVISION	DATE	BY	CHK'D	APPROVED
1	ISSUED FOR PERMIT				
2	REVISION				

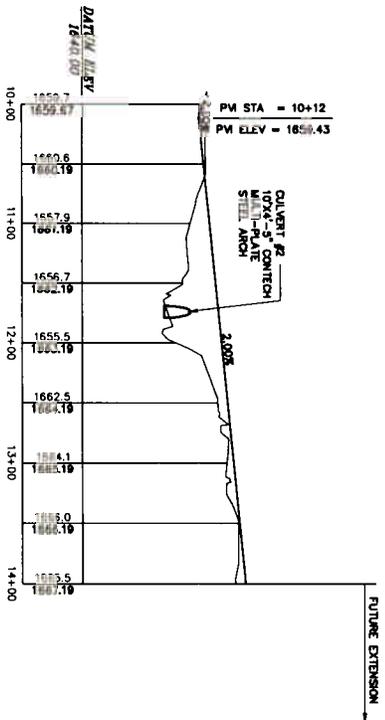
REILLY ENGINEERS, ARCHITECTS & PLANNERS
 100 N. LAKE STREET, SUITE 200
 CHICAGO, ILLINOIS 60601
 TEL: 312.427.1000 FAX: 312.427.1001

SLIDE CORPORATION
 FINAL SUBDIVISION PLANS FOR
 NEW VENUES PARK
 PHASE III
 TOWNSHIP 33 N., RANGE 10 E.,
 DEKALB COUNTY, ILLINOIS

PLAN
 DATE: 05-11-06
 SHEET NO. 09037
 OF 18

E-10

PROFILE VENTURE AVENUE EXTENSION



REVISIONS		DATE	BY
1	REVISED ALBERT TYPE		
2	REVISIONS		
APPROVED		DATE	BY
DATE			
DATE			
DATE			

Reilly 222 Franklin Ave. #104 Columbus, OH 43215 Tel: 614.291.1100 Fax: 614.291.1101 www.reillyinc.com		SLOPE CORPORATION FINAL SUBDIVISION PLANS FOR NEW VENTURES PARK PHASE III COLUMBIA COUNTY PROJECT NO. 18-001	DATE: 08/14/2018 TIME: 11:00 AM DRAWN BY: [Name] CHECKED BY: [Name]
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E-11

- SLT FENCE (30 INCH)
- WETLAND
- ROCK APRON
- ROCK CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE

- PROPOSED DRAINAGE PIPE
- SOIL BOUNDARY
- SOIL TYPE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- ROCK FILTER

- EXISTING TREE LINE
- TEMPORARY CONTOUR MAJOR
- TEMPORARY CONTOUR MINOR
- SWALE LINING
- EROSION CONTROL MAT
- ROCK LINING
- FLOODWAY LINE

HORIZONTAL SCALE
0 50 100 FEET

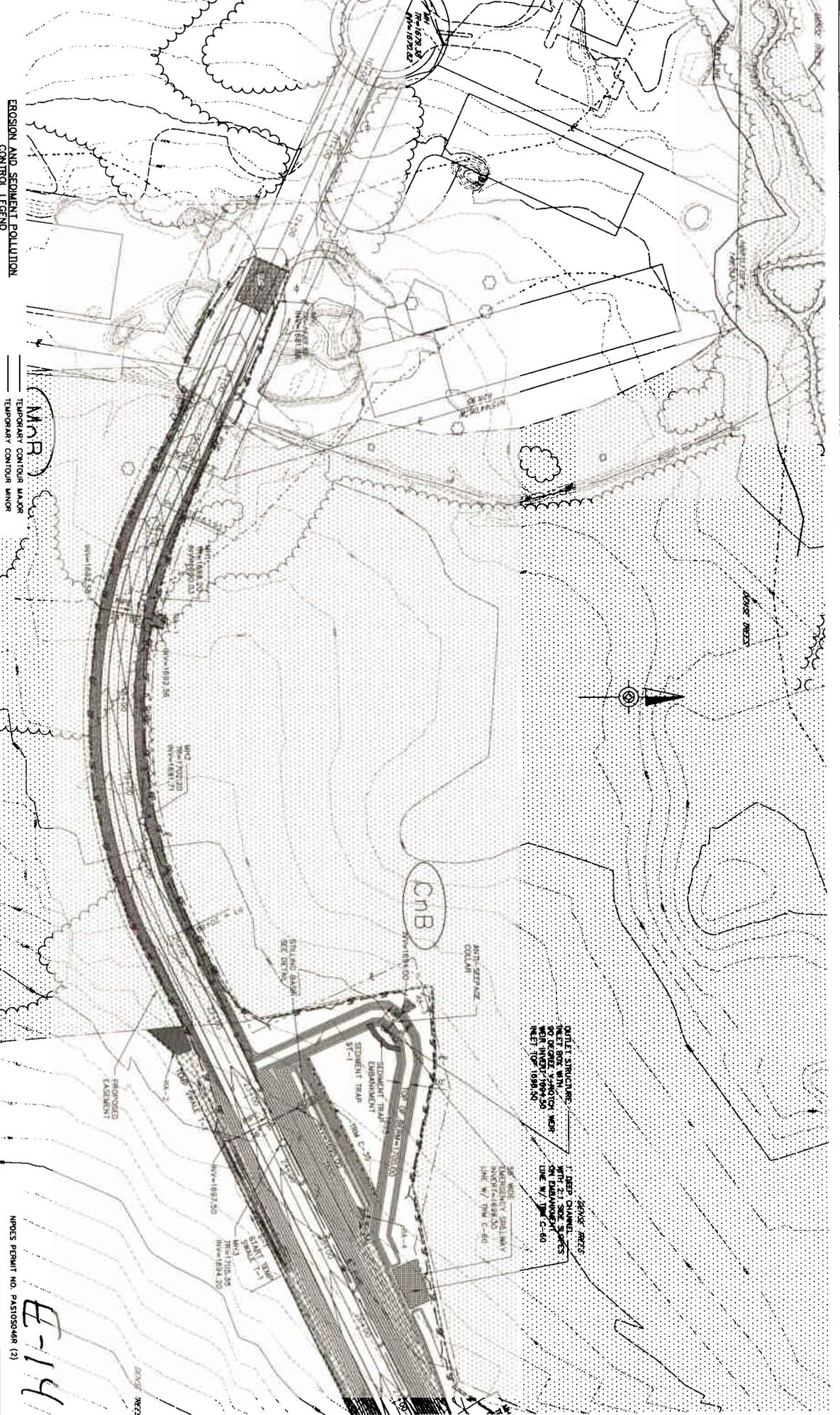
NOTE: ALL WORK IN AN ADJACENT TO THE STREAM OR WETLAND IS TO OCCUR DURING LOW FLOW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND RECORDS TO MAINTAIN THE CONSTRUCTION TIME PERIODS WITHIN THE 5' CONSTRUCTION ZONE.

NO.	REVISION	DATE	BY	APP'D.
1	ISSUED FOR PERMIT	08/20/18	MM	MM
2	ISSUED FOR PERMIT	08/20/18	MM	MM

SLIDE CORPORATION
 FINALE SUBDIVISION PLANS FOR
 NEW VENTURES PARK
 TOROHANA TOWNSHIP, LACROIX COUNTY
 EAS PLAN

Reilly
 800 Franklin Avenue
 Suite 200
 Franklin, PA 15884
 Phone: 724-325-1100
 Fax: 724-325-1101
 Website: www.reilly.com

DATE: 08-17-18
 DRAWN BY: MM
 CHECKED BY: MM
 14 OF 18



E-14

RA-1
 WETLAND
 ROCK APRON
 ROCK CONSTRUCTION ENTRANCE
 LIMIT OF DISTURBANCE

PROPOSED DRAINAGE PIPE
 SOIL BOUNDARY
 SOIL TYPE
 EXISTING CONTOUR MAJOR
 EXISTING CONTOUR MINOR
 PROPOSED CONTOUR MAJOR
 PROPOSED CONTOUR MINOR
 ROCK FILTER

EXISTING TREE LINE
 EROSION CONTROL MAT
 SNAKE LINING
 ROCK LINING
 FLOODWAY LINE

HORIZONTAL SCALE
 0 50 100 FEET

NOTE: ALL WORK IN AN ADJACENT TO THE STREAM OR WETLAND IS TO OCCUR DURING LOW FLOODING. THE CONSTRUCTION LINE REQUIRED TO STABILIZE THE CHANNEL SHALL BE RESTRICTED WITHIN 24 HOURS OF COMPLETION.

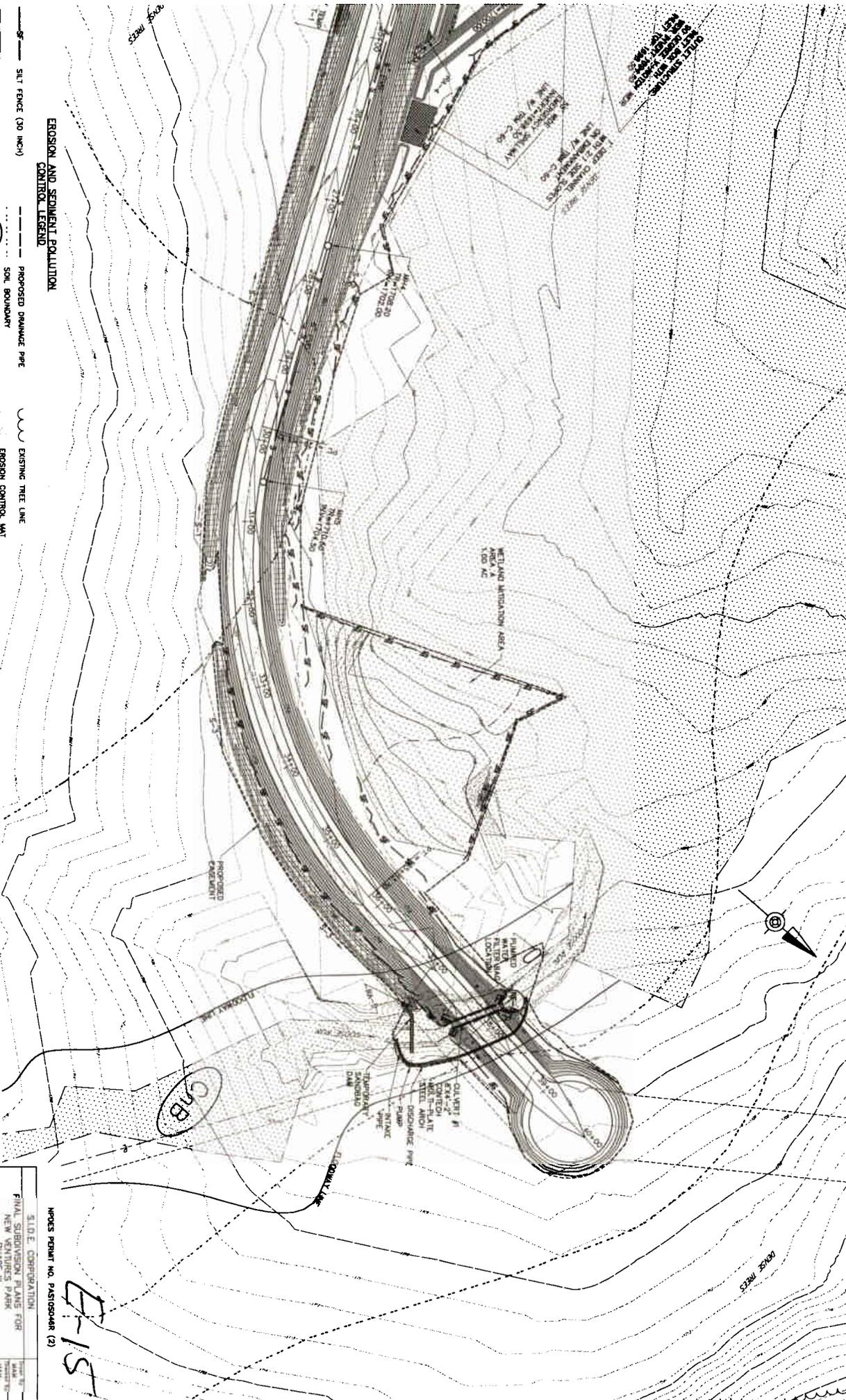
NO.	REVISION	DATE
1	REVISED OLIVERT TIME, ADD REVIEW 1	
2	REVISIONS	

DATE	BY	APPROVED

REILLY
 SLOPE CORPORATION
 FINAL SUBDIVISION PLANS FOR
 NEW VENTURES PARK
 CHESTERFIELD COUNTY, MISSOURI
 CHESTERFIELD, MISSOURI

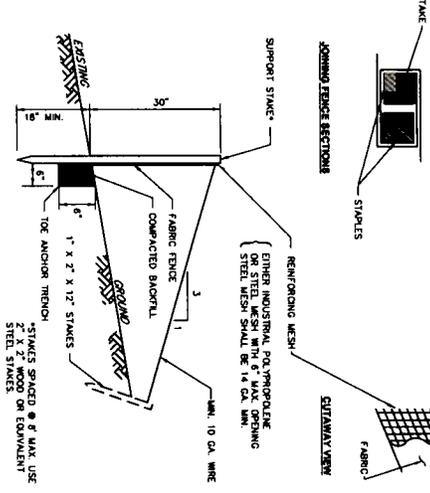
EKS PLAN

PROJECT NO. 15 OF 18

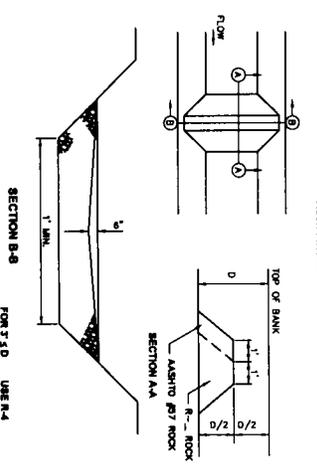


ER-15

STANDARD CONSTRUCTION DETAIL #20
Reinforced Fiber Fabric Fence (30" High)



STANDARD CONSTRUCTION DETAIL #23
Rock Filter



STANDARD CONSTRUCTION DETAIL #18
Rock Filter Course

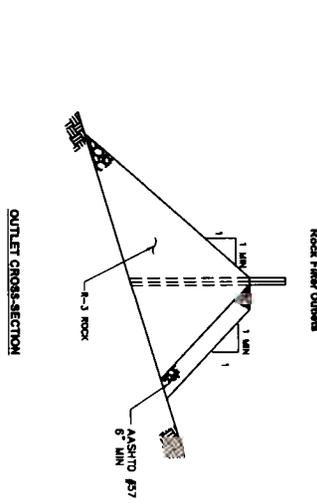
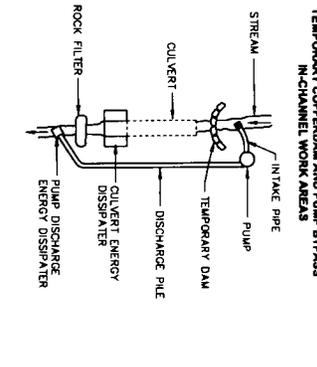
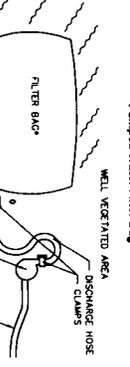
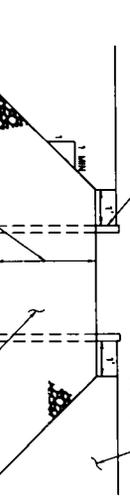


FIGURE 35
TEMPORARY COFFERDAM AND PUMP BYPASS
IN-CHANNEL WORK AREAS



ROCK FILTER NO.	LOCATION	DEPTH	REPAIR SIZE
RF-1	COMBINATION OF OUTLET #1	1	R-4
RF-2	COMBINATION OF OUTLET #1	1	R-4
RF-3	COMBINATION OF OUTLET #1	1	R-4
RF-4	COMBINATION OF OUTLET #1	1	R-4
RF-5	COMBINATION OF OUTLET #1	1	R-4



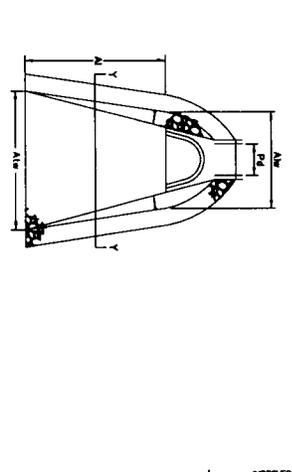
NOTE: SHOW ALL DETAILS AND CONSTRUCTION DIMENSIONS ON PLAN DRAWINGS.
Fiber fabric fence must be installed at existing final grade. Both ends of each fence section must be anchored at least 8 feet upstream at 45 degrees to the main fence alignment.
Sediment must be removed when accumulations reach 1/2 the above ground height of the fence.
Any fence section which has been undermined or displaced must be immediately replaced with a Rock Filter Fabric Fence Installation Detail.

Sediment must be removed when accumulations reach 1/2 the height of the filter.
Immediately upon stabilization of each channel, remove accumulated sediment, remove Rock Filter, and stabilize disturbed areas.

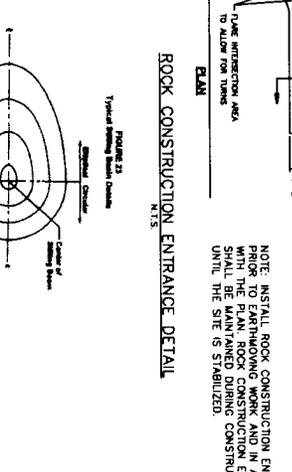
Sediment must be removed when accumulations reach 1/2 the height of the outlet.
Immediately upon stabilization of each channel, remove accumulated sediment, remove Rock Filter, and stabilize disturbed areas.

SEEDING SHALL BE INSTALLED TO MAINTAIN FLOW THROUGH THE PROJECT AREA DURING CONSTRUCTION OF THE COFFERDAM.

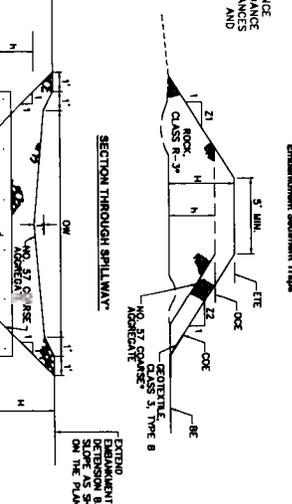
STANDARD CONSTRUCTION DETAIL #33
Riprap Apron at Pipe Outlet with Flared End Sections



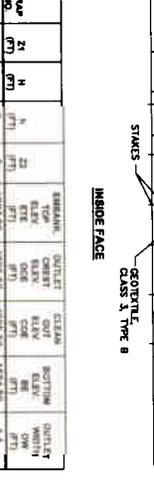
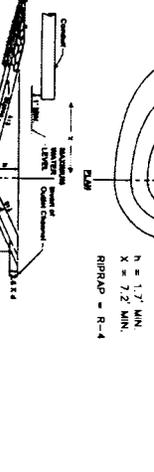
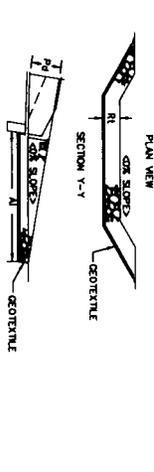
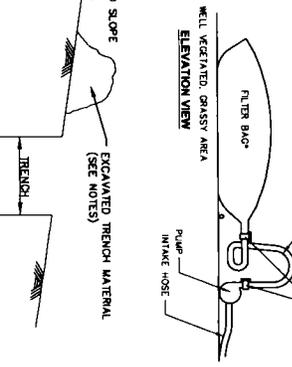
ROCK CONSTRUCTION ENTRANCE DETAIL



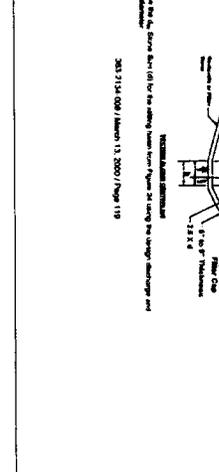
STANDARD CONSTRUCTION DETAIL #11
Embankment Sediment Trap



STANDARD CONSTRUCTION DETAIL #28
Pumped Water Filter Bag



OUTLET NO.	PIPE DIA. (IN)	THICK. (IN)	LENGTH (FT)	WIDTH (FT)	TERMINAL WIDTH (FT)
1	12	1/2	10	10	4
2	12	1/2	10	10	4
3	12	1/2	10	10	4
4	12	1/2	10	10	4
5	12	1/2	10	10	4
6	12	1/2	10	10	4
7	12	1/2	10	10	4
8	12	1/2	10	10	4
9	12	1/2	10	10	4
10	12	1/2	10	10	4



SECTION	NO.	DESCRIPTION	DATE	BY
1	1	WOOD POSTS		
2	2	REINFORCING		
3	3	STEEL WIRE		

SLIDE CORRECTION
FINAL SUBDIVISION PLANS FOR
NEW VENTURES PARK
TOWNSHIP, TOWN OF
MICHIGAN COUNTY
FORESTVILLE, MI

E&S DETAILS

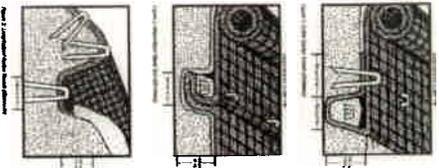
SEE SPECIFIC PERMITS
FOR E&S DETAILS
NO. 02-17-08
DATE: 02-17-08
PAGE 18 OF 18

Installation on Banks and Slopes



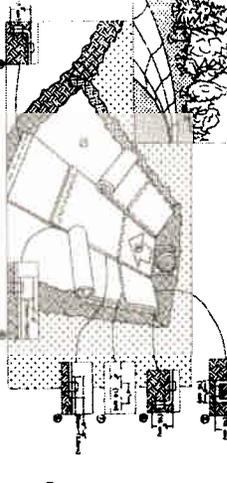
- 1. Use of Stabilization 2.18 (400-00) shall cover area of any exposed soil surface. This shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 4. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

Installation in Storm Water Channels



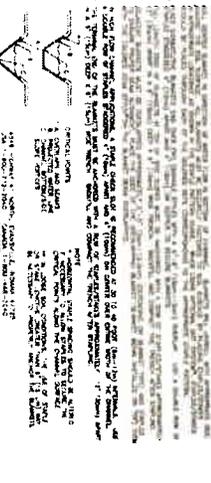
- 1. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

Before You Begin



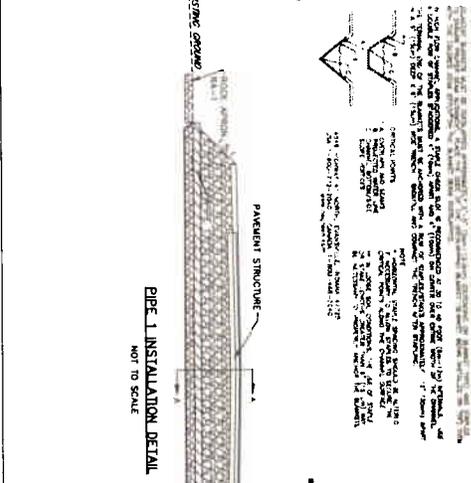
- 1. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

Site Preparation



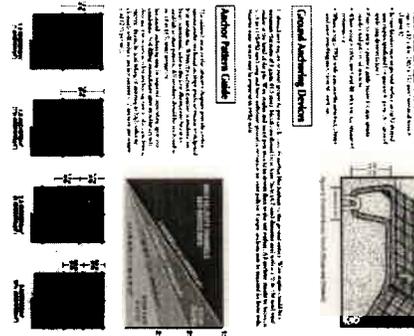
- 1. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

Seeding

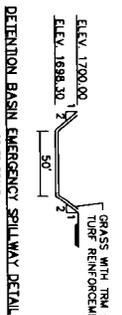


- 1. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

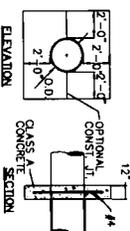
Channel Reinforcing Methods



- 1. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 2. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.
- 3. The 2.18 (400-00) mat shall be applied to any exposed soil surface that is not covered by the 2.18 (400-00) mat.

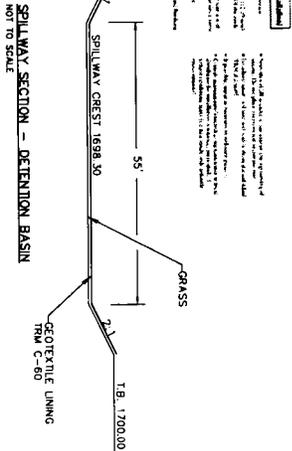


DETECTION BASIN EMERGENCY SPILLWAY DETAIL
NOT TO SCALE

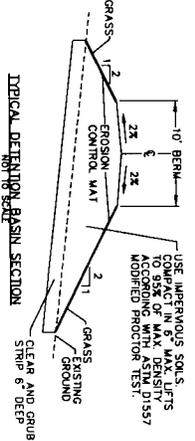


ANTI-SEEPAGE COLLAR
NOT TO SCALE

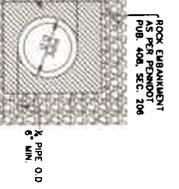
- 1. BERM TO BE CONSTRUCTED IN MAXIMUM 6' LIFTS AND COMPACTED TO 95% DENSITY.
- 2. ANTI-SEEPAGE COLLAR AND PIPE TO BE PLACED ON PROPOSED PIPE.



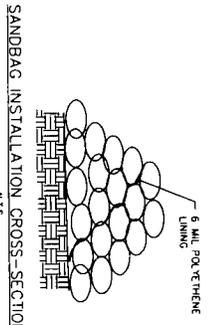
SPILLWAY SECTION - DETENTION BASIN
NOT TO SCALE



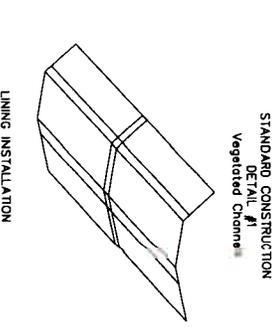
TYPICAL DETENTION BASIN SECTION
NOT TO SCALE



SECTION A-A
NOT TO SCALE



SANDBAG INSTALLATION CROSS-SECTION DETAIL
NOT TO SCALE

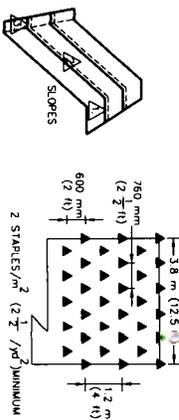


STANDARD CONSTRUCTION DETAIL #1
Vegetated Channel

- 1. SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS AND VEGETATION STABILIZATION RECOMMENDATIONS FOR SOIL AMENDMENTS, SEED MIXTURES, AND MULCHING INFORMATION.
- 2. LINING INSTALLATION DETAILS

CHANNEL NO.	STATUS	WIDTH (ft)	DEPTH (ft)	LENGTH (ft)	LINING
S-1	24x200 TO 31x50	24	200	31	50
S-2	26x100 TO 31x50	26	100	31	50
S-3	26x100 TO 31x50	26	100	31	50
S-4	26x100 TO 31x50	26	100	31	50
S-5	26x100 TO 31x50	26	100	31	50
S-6	26x100 TO 31x50	26	100	31	50
S-7	26x100 TO 31x50	26	100	31	50
S-8	26x100 TO 31x50	26	100	31	50
S-9	26x100 TO 31x50	26	100	31	50
S-10	26x100 TO 31x50	26	100	31	50

- 1. SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS AND VEGETATION STABILIZATION RECOMMENDATIONS FOR SOIL AMENDMENTS, SEED MIXTURES, AND MULCHING INFORMATION.
- 2. PROVIDE PERMANENT CHANNEL LINING MANUFACTURED BY CONTACT ON APPROVED EQUAL.
- 3. SMALLS MUST BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION.



EROSION CONTROL MAT INSTALLATION DETAIL
NOTE: DETAIL TO BE ALTERED AS RECOMMENDED BY MANUFACTURER.

EROSION CONTROL MAT INSTALLATION DETAIL

NOTE: DETAIL TO BE ALTERED AS RECOMMENDED BY MANUFACTURER.

CONSTRUCT A 150 x 300 mm (6 x 12 in) ANCHOR TRENCH 600-900 mm (2-3 ft) BEYOND CREST OF SLOPE STABLE EROSION CONTROL MAT IN TRENCH ON 300 mm (1 ft) SPACINGS, BACKFILL AND COMPACT SOIL.

ON SLOPES GREATER THAN 3H:1V ROLL EROSION CONTROL MAT'S DOWN-SLOPE OVER LAP EDGES AT LEAST 100 mm (4 in) STAPLE ALONG CONTROL OR OVERLAP USING GENERAL STAPLING PATTERN.

SHINGLE-LAP EROSION CONTROL MAT ROLL ENDS ON SLOPES A MINIMUM OF 100 mm (4 in) AND IN THE DIRECTION OF WATER FLOW STAPLE OVERLAP ON 300 mm (1 ft) SPACINGS.

FINAL SUBMITTALS: EROSION CONTROL MATS FOR NEW PHASE III TORBANA TOWN OF TORBANA COUNTY, ILLINOIS

DATE: 05-17-06

PROJECT NO: 05-17-06

SCALE: 17 OF 18

CONSTRUCTION SEQUENCE

Continuing activities for the construction of the proposed facilities shall be as follows:
 At least 7 days prior to initiation of earth disturbance activities, the permittee or co-permittee shall contact the County Conservation District to schedule a pre-construction meeting. The permittee(s) and all parties conducting earth disturbance activities and responsible for erosion and sediment control on the project site should attend.

Each stage of the "Construction Sequence" must be completed prior to initiation of subsequent stages of the "Construction Sequence." Revisions to the "Construction Sequence" shall be reviewed and approved by the Conservation District prior to implementation.

Construction of swales and culverts should be done in a downstream to upstream manner. All swales must be stabilized immediately once constructed.

For utility installation, deep trench excavation will be limited to the length of slope placement and backfilling that can be completed in one day. After which, backfilling shall be completed in one day. All backfilling shall be completed by permitting surface preparation and backfilling begins. Discharge of water from trench to surface water shall be controlled. Water pumped from trenches into surface water shall be filtered through a 1/2 inch mesh. The discharge shall be placed in a trench or culvert.

For BMP installation, in existing drainage ways, install BMP's when no precipitation is expected for a minimum of two days.

All work in and adjacent to the stream or wetland is to occur during low to no flow periods. Work shall be scheduled to minimize the construction time required. Stabilization measures shall be installed within 24 hours of completion.

Access site by using the rock construction entrance. Within the site access to required areas of work should be limited to within the limits of disturbance.

A pre-construction meeting is required on the site between the Conservation District, the permittee, the developer, contractors, and any other personnel involved in earth disturbance. This is to be held one week prior to any site activity. The municipality is to be notified of this on-site meeting as well.

Ventura Avenue Extension

1. Install rock construction entrance RCE-1.
2. Begin rough grading of Ventura Avenue Extension. Limit rough grading to only the upland area leading from Commercial Boulevard to stream crossing.
3. Install Culvert #2. See Subsequence SS1.
4. Install Culvert #1. See Subsequence SS3. Use existing dirt road to access the site from Replacement Area B.
5. Begin clearing and grubbing activities beyond Culvert #2.
6. Begin rough grading on the remaining portion of Ventura Ave Extension.
7. Install rock construction entrance RCE-2.
8. Begin rough grading of roadway to be stabilized by applying erosion control matting and seeding to all roadway slopes on stream on plan and by placing the proposed roadway subbase course.
9. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.

Commercial Boulevard Extension

1. For the portion of the extension within the wetland boundary refer to subsequence SS2.
2. Install rock construction entrance RCE-1.
3. Construct Pipe 3, stalling basin, Pipe 2 and detention basin/sediment trap basin concurrently.
4. Construct outlet structure.
5. Construct emergency spillway.
6. Construct emergency spillway in basin.
7. Install culvert structure (slope protection/rock apron) where runoff enters the detention basin. Apply permanent seed and mulch to embankments immediately after achieving final grade. Apply erosion control matting to temporary slopes where indicated.
8. Construct RA-2, slope 3-4 and temporary 2:1 slope immediately stabilize.
9. Clear and grub. Initial territory, swales, grade and stabilize roadway from station 22+50 to station 37+50. Roadway is to be stabilized by applying erosion control matting and seeding to all disturbed areas on stream on the plan and by placing the proposed roadway subbase course.
10. Install Culvert #1. See Subsequence SS1.
11. Construct rock apron RA-5, slope 3-4 and immediate stabilize.
12. Construct rock apron RA-4, slope 3-4 and immediate stabilize.
13. Clear and grub. Roadway is to be stabilized by applying erosion control matting and seeding to all disturbed areas on stream on the plan and by placing the proposed roadway subbase course.
14. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.

Subsequence SS1 - Culvert Installation

1. Construct rock apron RA-5, slope 3-4 and immediate stabilize.
2. Construct rock apron RA-4, slope 3-4 and immediate stabilize.
3. Clear and grub. Roadway is to be stabilized by applying erosion control matting and seeding to all disturbed areas on stream on the plan and by placing the proposed roadway subbase course.
4. Construct concrete apron, spillway, and outlet.
5. Stabilize of remaining disturbed areas. Gravel. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.

TABLE A - PERMANENT SEEDING TABLE

FORMULA AND SPECIES	% BY WOOD	MINIMUM % FERTILITY	MINIMUM % GERMINATION	MAX. % SEED	SEEDING RATE LBS PER 1000 SQ YD
FORMULA B PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RESEED COMPONENT CREEPING RED FESCUE OR CHEWINGS FESCUE PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 20% OF THE TOTAL RESEED COMPONENT	20	88	90	0.15	37.0 TOTAL 4.0
FORMULA C CROWWEATCH (CORONILLA VARIA) ANNUAL REGRASS (LOLIUM MULTIFLORUM)	45	98	70	0.10	10.0 TOTAL 5.0
FORMULA D CREEPING RED FESCUE OR CHEWINGS FESCUE	20	98	90	0.15	37.0 TOTAL 6.0
FORMULA E ANNUAL REGRASS (LOLIUM MULTIFLORUM)	100	98	90	0.15	10.0 TOTAL 10.0
FORMULA F PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RESEED COMPONENT CREEPING RED FESCUE ANNUAL REGRASS (LOLIUM MULTIFLORUM)	55	98	85	0.15	34.0 TOTAL 13.0
FORMULA G PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RESEED COMPONENT CREEPING RED FESCUE ANNUAL REGRASS (LOLIUM MULTIFLORUM)	70	98	85	0.15	40.0 TOTAL 13.0
FORMULA H PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RESEED COMPONENT CREEPING RED FESCUE ANNUAL REGRASS (LOLIUM MULTIFLORUM)	20	98	85	0.15	37.0 TOTAL 13.0
FORMULA I PERMANENT VEGETATION (SILVIA REPENS) A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RESEED COMPONENT CREEPING RED FESCUE ANNUAL REGRASS (LOLIUM MULTIFLORUM)	20	98	85	0.15	37.0 TOTAL 13.0

* WETLAND ZONE HARBORIZED AND RICE NORMAL SPECIES

Subsequence SS2 - Wetland Crossing Sequence

1. Install rock construction entrance RCE-2.
2. Beginning upland and progressing into wetland for a distance of no more than 200 feet, install a 4' x 4' x 4' concrete structure on both sides of the road.
3. Begin clearing and grubbing activities for the entire width. Excavate topsoil (with vegetated root mass) and carefully remove from site.
4. Stabilize the right half of the roadway with geotextile material and initial 10%w (minimum 8 inches) of stone base.
5. Stabilize the remaining left half of the roadway in the same manner.
7. Repeat step 2 through step 6 for the entire length of the wetland area.
8. Begin roadway embankment construction and install rock apron RA-1 and Pipe 1
9. Grade and stabilize roadway from station 12+50 to station 22+50. Stabilize all disturbed areas on stream on the plan and by placing the proposed roadway subbase course.
10. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.

Sub Sequence SS3 - Wetland Mitigation Area

1. Install of sit fencing in the area surrounding the proposed replacement area as shown on the plan.
 2. Begin clearing and grubbing activities.
 3. Construct concrete detention basin.
 4. Construct concrete detention basin.
 5. Construct concrete detention basin.
 6. Install wetland plants according to the planting schedule shown on the plan.
 7. Wetland plants established and one acre to final contours.
 8. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.
- The sequence of construction is designed so that the grading and excavation operations begin and end as quickly as possible. Each stage of construction must be completed prior to the initiation of the next stage. Permanent seeding shall be applied to areas immediately after final grading is completed. Permanent seeding shall be applied to areas immediately after final grading is completed. Temporary seeding shall be applied to areas immediately following final grading. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover. The sequence of construction is designed so that the grading and excavation operations begin and end as quickly as possible. Each stage of construction must be completed prior to the initiation of the next stage. Permanent seeding shall be applied to areas immediately after final grading is completed. Permanent seeding shall be applied to areas immediately after final grading is completed. Temporary seeding shall be applied to areas immediately following final grading. All EAS measures (including silt fence) must remain installed and functional until upslope disturbed areas are stabilized with 70% uniform perennial vegetative cover or other stable cover.

TEMPORARY MULCH AND FERTILIZER

	Tons per Acre	Lbs per 1000 sq yd
Mulch	3	6,000
Fertilizer (0-20-0)	1	2,000
Seed (annual grass)		50/20/20
		40

PERMANENT MULCH AND FERTILIZER

	Tons per Acre	Lbs per 1000 sq yd
Mulch	3	6,000
Fertilizer (0-20-0)	6	12,000
Seed (perman. mix)		100/200/200
		20.6/41/41

Temporary Seeding Materials

Rock Construction Entrance: Install rock construction entrance prior to earthmoving work and in accordance with the plan. Rock construction entrances shall be maintained during construction and until the site is stabilized.

Silt Fence Barriers: Install silt fence in accordance with the plan and at locations dictated by the engineer. Silt fence shall be installed prior to work, during construction and until completion. The silt fence shall be installed below all disturbed slopes on stream on the plan.

Temporary Seeding: Temporary seeding shall be applied to areas disturbed by grading operations where final grading and stabilization is not expected to be immediately completed. Immediately following initial disturbance or rough grading, all critical subject to erosion (steep slopes and roadway embankments) shall receive temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 3 tons per acre.

Temporary Seale Lining: All grass-lined swales shall receive an erosion control mat or turf reinforcement mat immediately after grading to retain the disturbed earth prior to vegetation establishment.

Segment Top: The BMP shall be installed adjacent to Commercial Boulevard as indicated on the proposed E & S Control plans and details. The BMP will be stabilized with erosion control matting and seeding. The structure will drain to the adjacent wetlands. After the upstream area is stabilized the segment top BMP will be converted to a detention basin.

Temporary Seale: The seale will be constructed from station 22+00 to station 25+00, and connect to an existing seale as detailed on the plan, set, and lined & stabilized prior to use. The BMP will be filled in and re-vegetated prior to the decommissioning of the sediment trap.

Excavated Materials

Rock Aprons: Install rock aprons of the outlets of pipes shown on the plans. Rock aprons shall be installed immediately after construction of drainage pipes.

Permanent Seeding: Permanent seeding shall be applied to areas immediately after final grading is completed. Permanent seeding and mulch shall be in accordance with the rates and mixtures found on the Drawings.

Permanent Seale Lining: Permanent seale lining shall be applied to swales immediately after final grading is completed. Install permanent seale lining as shown on the drawings.

NOTES PERMIT NO. PAST05046R (2)

E-18

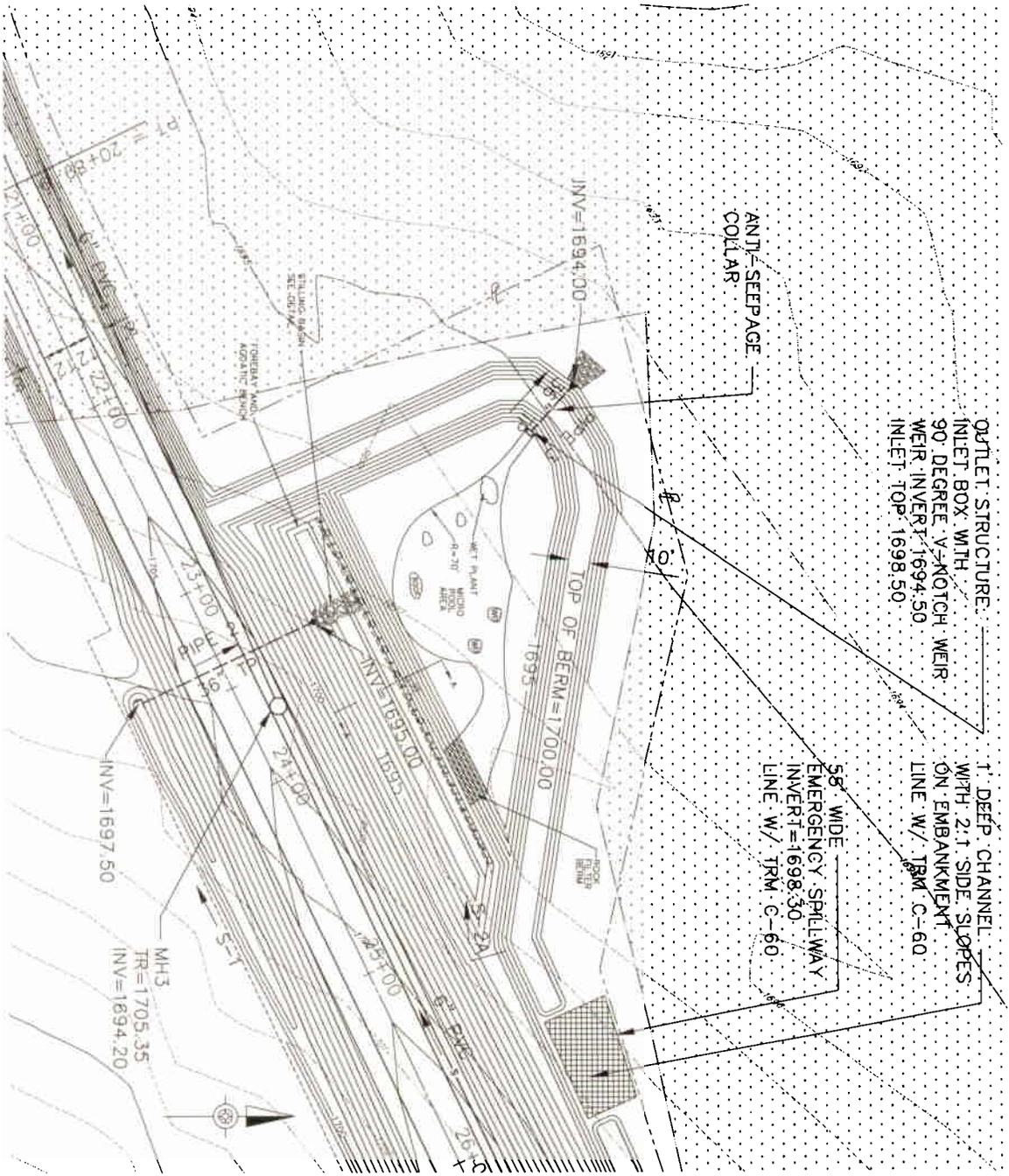
E&S DETAILS

SIDE CORPORATION
 FINAL SUBDIVISION PLANS FOR
 PHASE III
 NEW VENTURES PARK
 TAYLORVILLE, MISSOURI
 RAILWAY COUNTY, MISSOURI

E&S DETAILS
 SHEET NO. 18 OF 18

DATE: 11-06
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

RAILWAY COUNTY, MISSOURI
 PERMIT NO. PAST05046R (2)



PLAN VIEW OF DETENTION BASIN AREA



NO.	DATE	BY	CHK'D	APPROVED
1		KOCH		
2		REDA		
3		REDA		
4		REDA		
5		REDA		
6		REDA		

LEGEND
 SOIL BOUNDARY
 SOIL TYPE

HORIZONTAL SCALE
 0 200 400 FEET

NO.	DESCRIPTION	DATE	BY
1	WETLAND MITIGATION REGION		
2	REVISION		
3	DATE		
4	BY		

Relly
 ENGINEERS & ARCHITECTS
 1000 WEST 10TH AVENUE
 DENVER, CO 80202

S.I.D.E. CORPORATION
 FINAL SUBDIVISION PLANS FOR
 NEW VENTURES PARK
 TOWNSHIP 10 NORTH, RANGE 68 WEST
 WETLAND MITIGATION
 GENERAL PLAN

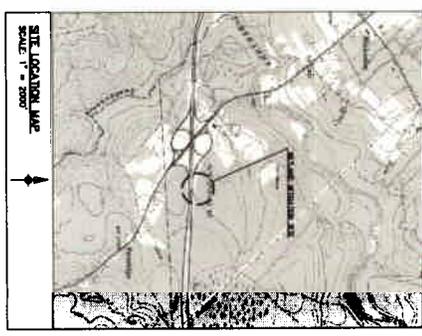
DATE: 05-17-06
 PROJECT NO.: 05017
 SHEET NO.: 1 OF 7



E-20

- LEGEND**
- SOIL BOUNDARY
 - SOIL TYPE
 - - - EXISTING CONTOUR MAJOR
 - - - EXISTING CONTOUR MINOR
 - - - PROPOSED CONTOUR MAJOR
 - - - PROPOSED CONTOUR MINOR
 - WETLAND REPLACEMENT AREA

WETLAND MITIGATION AREA A SITE PLAN - 1.00 AC.



REPLACEMENT AREA SITE PROFILE
TOTAL REPLACEMENT AREA = 43,800 SQ. FT. OR 1.00 AC.
PALATKA ELEVATION = 43,800 ON 1.00 AC.

EXISTING LAND USE CONDITION
THE PROPOSED WETLAND REPLACEMENT AREA WILL BE SITED ON EXISTING OPEN SPACE.

PROPOSED SOURCE OF HYDROLOGY
SURFACE WATER SHALLOWS FROM UNDERLYING AND SHALLOW SUBSURFACE/WATERFLOW FROM ADJACENT WETLANDS.

PROPOSED BANK CONSTRUCTION METHOD
THE WETLAND REPLACEMENT AREA WILL BE CONSTRUCTED BY EXCAVATING EXISTING AND FILLING TO CREATE A SHALLOW WETLAND. THE BANKS WILL BE REINFORCED WITH EROSION CONTROL TO ATTAIN THE PROPOSED HABITAT ZONES.

GENERAL NOTES
VERTICAL CONTROL IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 BASED UPON AIRBORNE DATUM.

EXISTING SCHEDULE

ACT	CONTRACT NAME	CONTRACT VALUE	INDICATED STATUS
SI	SOFT ROAD	AMOUNT \$70,000	FACED
WC	WOODS/CLAY	GRASS/SPRINGING	FACED
VI	WET WETLAND	WETLAND MAINTENANCE	FACED
WC	WETLANDS	WETLANDS MAINTENANCE	SEE

E-2.1

DESIGNED BY	DATE	SCALE	PROJECT NO.
DRAWN BY	REVISIONS	DATE	APPROVED
CHECKED BY	DATE	SCALE	PROJECT NO.
DATE	SCALE	PROJECT NO.	

S.I.C.E. CORPORATION
FINAL SUBDIVISION PLANS FOR
NEW VENTURES PARK
TOSHIANA TOWNSHIP, MONROE COUNTY
PENNSYLVANIA

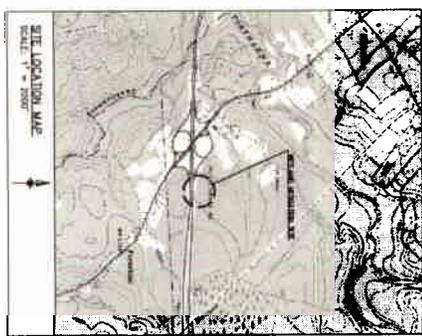
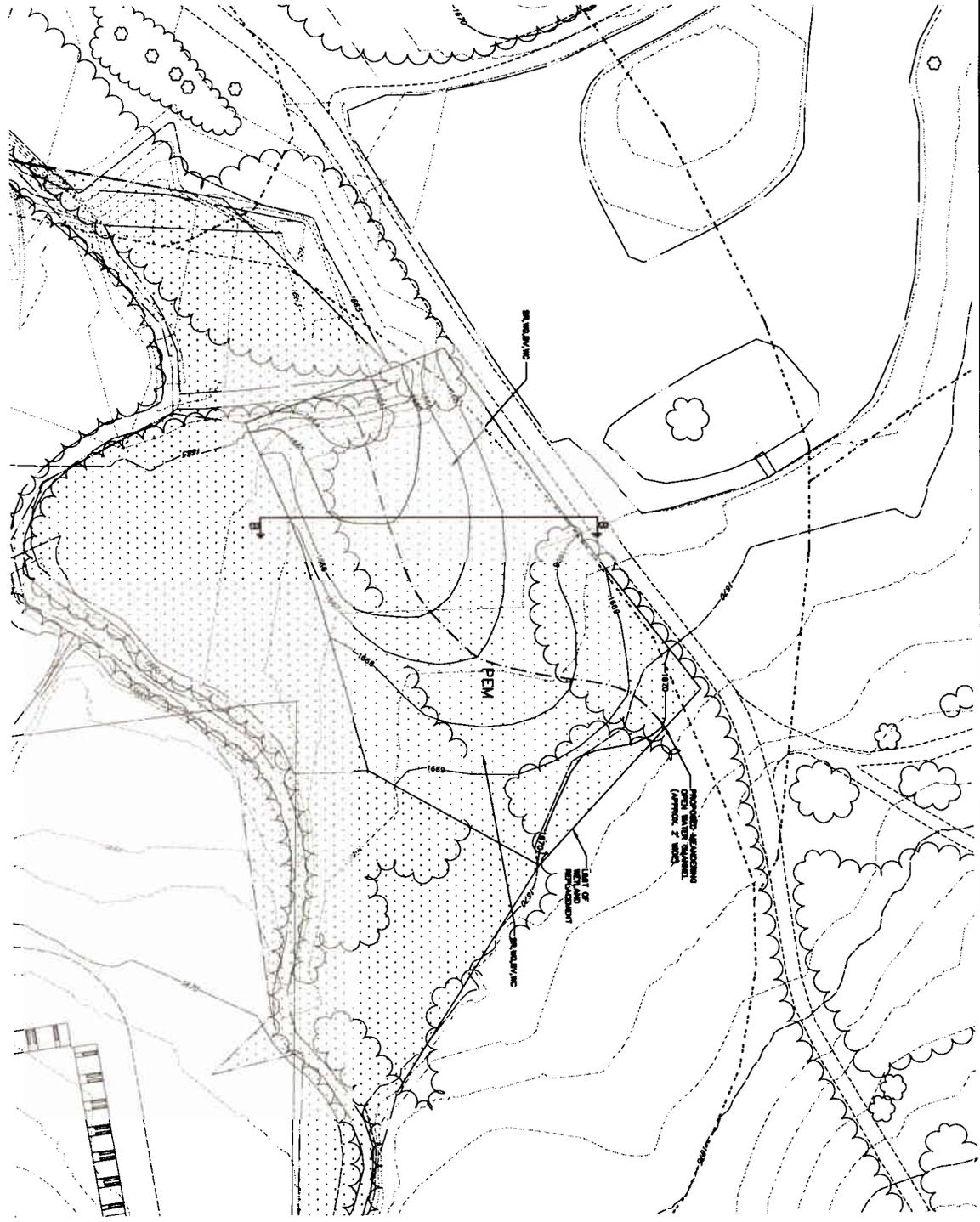
WETLAND MITIGATION SITE PLAN

Rellly 222 Riverside Parkway
P.O. Box 1000, Erie, PA 16512
Tel: 814/833-1111 Fax: 814/833-1112

DATE: 08-17-08
SCALE: AS SHOWN
PAGE: 2 OF 7

- LEGEND**
- SOIL BOUNDARY
 - SOIL TYPE
 - EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - PROPOSED CONTOUR MAJOR
 - PROPOSED CONTOUR MINOR
 - WETLAND REPLACEMENT AREA

WETLAND MITIGATION AREA B SITE PLAN - 1.00 AC.



NO.	DATE	BY	APP'D
1			
DRAWN BY: WETLAND MITIGATION DESIGN			
CHECKED BY: [Signature]			
APPROVED BY: [Signature]			

SLIDE CORPORATION
FINAL SUBDIVISION PLANS FOR
NEW VENTURES PARK
 TOMIYAMA, DENNIS, JORDAN COUNTY
 PENNSYLVANIA

WETLAND MITIGATION
SITE PLAN

Site: Wetland Mitigation Area B
 Date: 05-17-08
 Project No.: 08-001
 Sheet No.: 3 OF 7

E-22

PLANTING SCHEDULE

QTY	COMMON NAME	SCIENTIFIC NAME	REPLACEMENT STATUS
50	SOFT MAPLE	AQUILARIA PURPUREA	W200+
50	DOGWOOD	SPHORNIA CRYSTALLINA	W200+
50	BEECH VERNONIA	VERONIA MEXICANA	W200+
50	WHITE OAKS	QUERCUS PRINCEPIS	W200+

GENERAL NOTES

1. THE WETLAND REPLACEMENT SHALL BE CONSTRUCTED BY COMING EXCAVATION AND FILLING TO CREATE A 2' SHALLOW WETLAND. THE FILL SHALL BE RECYCLED AND EXCAVATED SOILS TO ATTAIN THE PROPOSED FINISH ELEVATION.

2. THE WETLAND REPLACEMENT SHALL BE CONSTRUCTED BY COMING EXCAVATION AND FILLING TO CREATE A 2' SHALLOW WETLAND. THE FILL SHALL BE RECYCLED AND EXCAVATED SOILS TO ATTAIN THE PROPOSED FINISH ELEVATION.

REPLACEMENT AREA SITE PROFILE

TOTAL WETLAND AREA = 43,500 SQ. FT. OR 1.00 AC.
 PALLETING ELEMENT = 43,500 SQ. FT. OR 1.00 AC.

EXISTING LAND USE CONDITIONS

THE PROPOSED WETLAND REPLACEMENT SHALL BE CONSTRUCTED WITHIN EXISTING TO EXISTING WETLANDS.

PROPOSED SOURCE OF HYDROLOGY

SURFACE WATER SHALL BE FROM UPLAND AREAS AND SHALL BE PROVIDED TO/WETLAND FROM ADJACENT WETLANDS.

PROPOSED BANK CONSTRUCTION METHOD

THE WETLAND REPLACEMENT SHALL BE CONSTRUCTED BY COMING EXCAVATION AND FILLING TO CREATE A 2' SHALLOW WETLAND. THE FILL SHALL BE RECYCLED AND EXCAVATED SOILS TO ATTAIN THE PROPOSED FINISH ELEVATION.

GENERAL NOTES

1. THE WETLAND REPLACEMENT SHALL BE CONSTRUCTED BY COMING EXCAVATION AND FILLING TO CREATE A 2' SHALLOW WETLAND. THE FILL SHALL BE RECYCLED AND EXCAVATED SOILS TO ATTAIN THE PROPOSED FINISH ELEVATION.

2. THE WETLAND REPLACEMENT SHALL BE CONSTRUCTED BY COMING EXCAVATION AND FILLING TO CREATE A 2' SHALLOW WETLAND. THE FILL SHALL BE RECYCLED AND EXCAVATED SOILS TO ATTAIN THE PROPOSED FINISH ELEVATION.

- LEGEND**
- SOL BOUNDARY
 - SOIL TYPE
 - EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - PROPOSED CONTOUR MAJOR
 - PROPOSED CONTOUR MINOR
 - WETLAND REPLACEMENT AREA
 - EROSION CONTROL MAT
 - SMALL LINING
 - LIMIT OF DISTURBANCE

- WETLAND MITIGATION AREA
- WETLAND MITIGATION AREA A 1.00 AC
- PUMPED WATER FILTER BAG LOCATION
- PROPOSED EASEMENT

WETLAND MITIGATION AREA A E&S PLAN

HORIZONTAL SCALE
 0 30 60 FEET

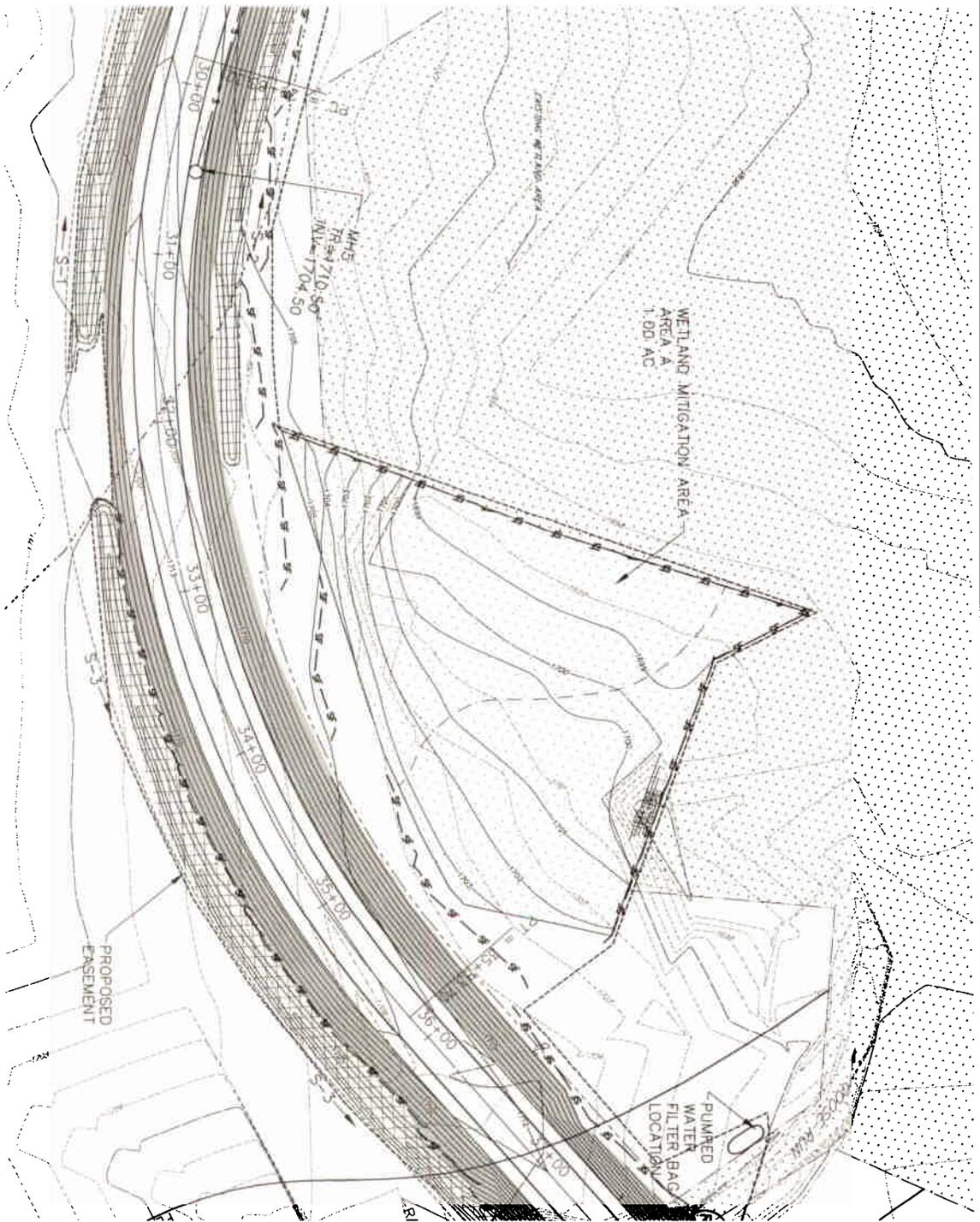
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1	WETLAND MITIGATION AREA A E&S PLAN			

NOTES PERMIT NO. PAST05046R (2)

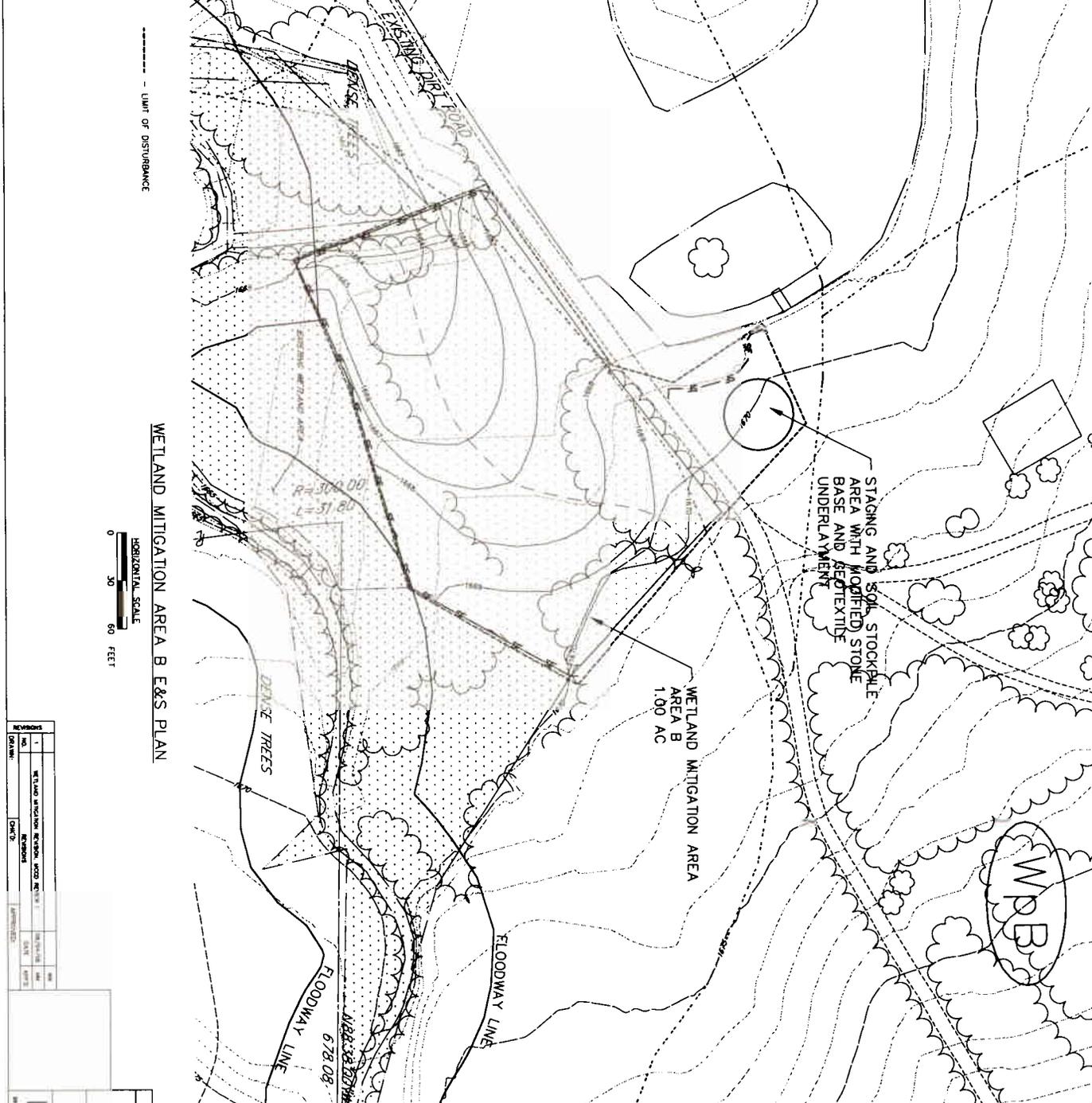
E-23

SLIDE CORPORATION
 FINAL SUBDIVISION PLANS FOR
 NEW VENUE RES PARK
 TOWNSHIP 10 NORTH, RANGE 13 WEST
 WETLAND MITIGATION
 E&S PLAN

DATE: 11-06
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: AS SHOWN
 SHEET NO. 4 OF 7



- LEGEND**
- SOIL BOUNDARY
 - SOIL TYPE
 - EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - PROPOSED CONTOUR MAJOR
 - PROPOSED CONTOUR MINOR
 - WETLAND REPLACEMENT AREA
 - SILT FENCE (30 INCH)
 - LIMIT OF DISTURBANCE



WETLAND MITIGATION AREA B E&S PLAN



NO.	DESCRIPTION	DATE	BY
1	WETLAND MITIGATION REVISION, MOJO REV 13	05/14/08	MS
2	REVISION	05/14/08	MS
3	REVISION	05/14/08	MS

PROJECT PERMIT NO. PAS1050446 (2)

SLIDE CORPORATION

FINAL SUBDIVISION PLANS FOR
NEW VENTURES PARK
 TOWNSHIP OF FRENCH CREEK, WASHINGTON COUNTY, NORTH CAROLINA

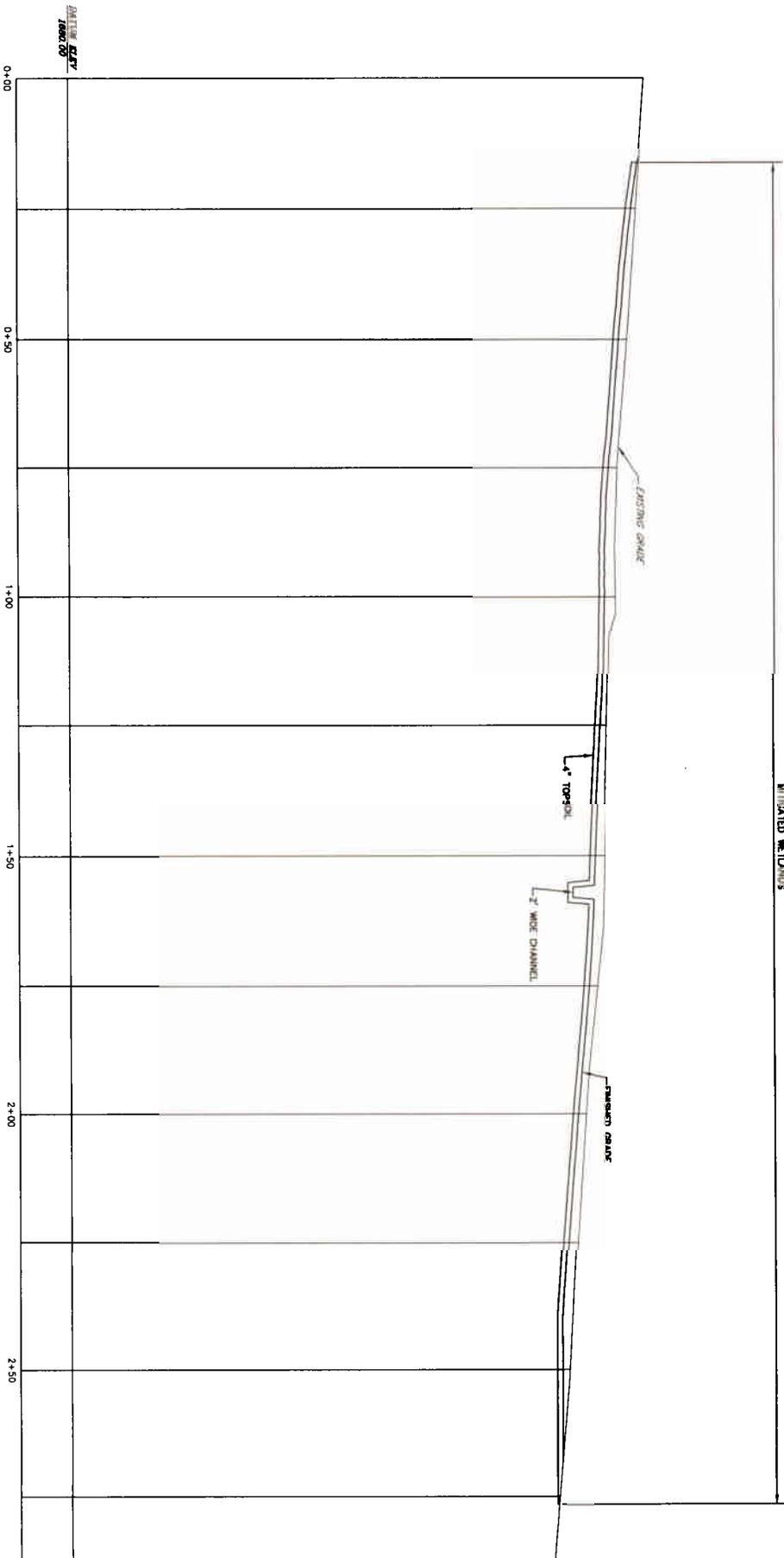
WETLAND MITIGATION E&S PLAN

Reilly 502 West Third Street, Raleigh, NC 27601
 919.977.1111

DATE: 05-17-08
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: AS SHOWN
 SHEET NO. 5 OF 7

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MITIGATED WETLANDS



WETLAND MITIGATION AREA A
 CROSS SECTION A-A
 HORIZONTAL 1"=10'
 VERTICAL 1"=2'

E-2.5

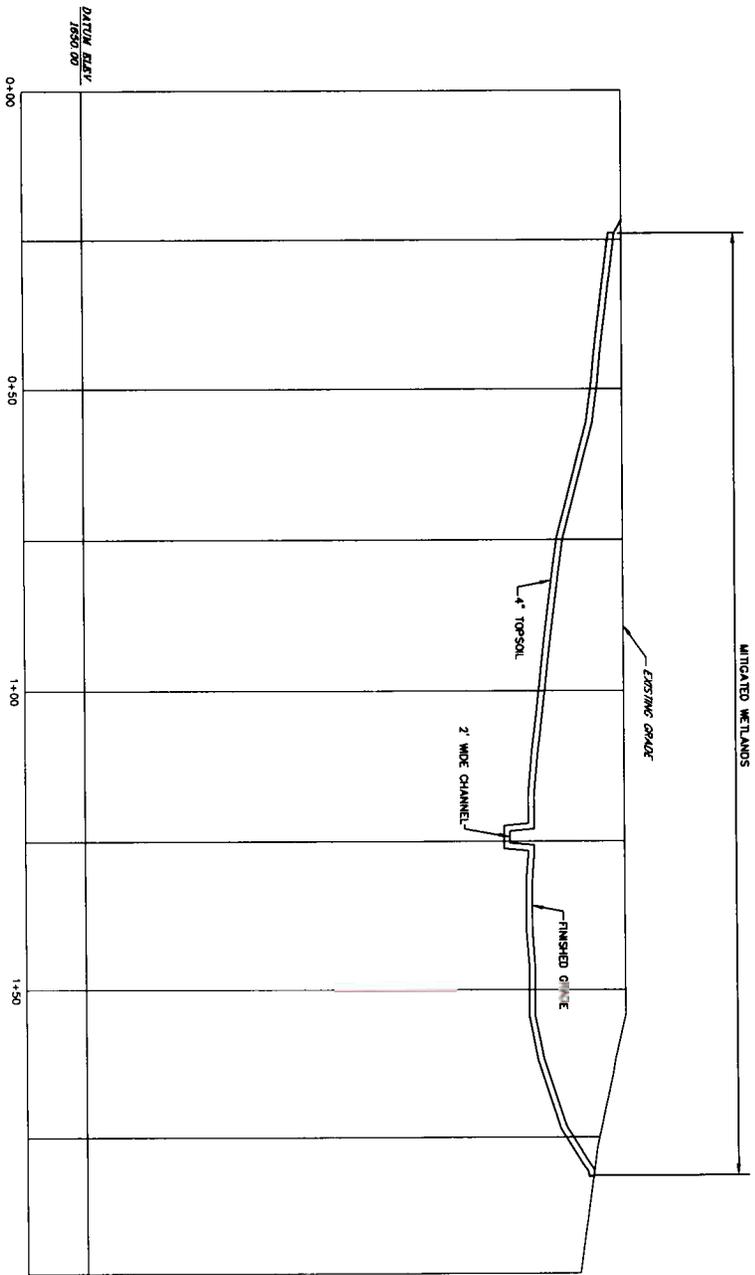
REVISIONS NO. DATE BY 1 11/17/10 [Signature]		REVISIONS NO. DATE BY 2 11/17/10 [Signature]	
DESIGNED BY [Signature]		CHECKED BY [Signature]	
DATE 11/17/10		DATE 11/17/10	
SCALE 1"=10'		SCALE 1"=2'	
PROJECT WETLAND MITIGATION		PROJECT WETLAND MITIGATION	
CLIENT [Company Name]		CLIENT [Company Name]	
LOCATION [Address]		LOCATION [Address]	
DATE 11/17/10		DATE 11/17/10	
BY [Signature]		BY [Signature]	
CHECKED BY [Signature]		CHECKED BY [Signature]	

Slide Corporation
 FINAL SUBDIVISION PLANS FOR
 NEW VENTURES PARK
 PHASE II
 108 HAWANA DRIVE
 WINDY HILLS, MISSISSIPPI
 MISSISSIPPI

Relilly
 108 HAWANA DRIVE
 WINDY HILLS, MISSISSIPPI
 MISSISSIPPI

WETLAND MITIGATION
 CROSS SECTION

DATE: 11-17-10
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]



WETLAND MITIGATION AREA B
 CROSS SECTION B-B
 HORIZONTAL 1"=10'
 VERTICAL 1"=2'

NO.	1	REVISION	DATE	BY
DATE	APR 03	APPROVED		

SIDE CORPORATION
 FINAL SUBDIVISION PLANS FOR
 NEW BENTLEY PARK
 PHASE III
 DEKALB COUNTY, GEORGIA
 WETLAND MITIGATION
 CROSS SECTION
 AS NOTED
 05-11-08
 7 OF 7

E-2.6