

Drain: JOHN OSBORN Drain #: 162
Improvement/Arm: BRIDLEBOURNE - SECTIONS 2, 3 & 4
Operator: J. LIVINGSTON Date: 5-13-04
Drain Classification: Urban/Rural Year Installed: 1988

GIS Drain Input Checklist

- Pull Source Documents for Scanning
- Digitize & Attribute Tile Drains
- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed in Posse
- Check Database entries for errors

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: JOHN OSBORN - BRIDLEBOURNE ARM

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
RCP	12"	22'	22'		7.00/lf	159.00
	15"	332'	332'		9.50/lf	3154.00
	18"	428'	428'		10.50/lf	4494.00
	21"	32'	32'		14.25/lf	456.00
	24"	320'	320'		18.00/lf	5760.00
OPEN DITCH	—	1111'	1111'		19.55/lf	21720.05

Sum: 2245' 2245' \$ 35,743.55

Final Report: 2245'

Comments:

FINAL INSPECTION OF JOHN OSBORN REGULATED DRAIN

Bridlebourne Subdivision
Project No. 575

10/31/89
3:30 p.m.

Sunny - 70 degrees
Last precipitation - 7" snow on 10/17/89

Inspector: Bruce A. Nicholson
Designer: Bruce A. Nicholson

Structure No. 109:

End section installed, rip-rap installed, rip-rap consists of rocks up to about 3' square. A trash rack made of #3 rebar sits over the end of the pipe; debris caught on the rack is backing up water 3"-4". Pipe is clean with a small amount of flow.

Structure No. 108A:

Structure added in the field, rip-rap installed around beehive casting, pipe entering from south (Walnut Creek Woods), all pipes clean, small amount of flow.

Structure No. 108:

Straw bales installed around beehive casting. Pipes are clean with small amount of flow.

Structure No. 107:

Straw bales installed around beehive casting. Pipes are clean with small amount of flow. Several holes above pipe (trench collapse?) between structures 107 and 106.

Structure No. 106:

Straw bales installed around beehive casting. Pipes are clean with small amount of flow.

FILED

NOV 1 1989

Structure No. 105:

Straw bales installed around beehive casting. Pipes are clean with small amount of flow. Water can be heard running into pipe (from field tile?). Area between structures 105 and 104 has been seeded and straw-mulched.

Structure No. 104:

Straw bales installed around beehive casting. Pipes are clean with small amount of flow. Water can be heard running into pipe (from field tile?). Area between structures 104 and 103 has been seeded and straw-mulched.

Structure No. 103:

Straw mulch installed around beehive casting. Pipes are clean with small amount of flow. Water smells slightly septic. Area between structures 103 and 102 has been seeded and straw-mulched.

Structure No. 102:

Straw mulch installed around beehive casting. Pipes are clean with small amount of flow. A 10" (+/-) plastic pipe enters the north side of the manhole, apparently from a new lake to the north. Area between structures 102 and 101 has been seeded and straw-mulched.

Structure No. 101:

End section installed, rip-rap installed. Some erosion rills are present around end section, no trash has collected. Water depth in pipe is approx. 6" apparently due to conditions downstream of Towne Road. Effluent from pipe is milky-gray, small amount of flow. Some trash has collected in the twin metal culverts under Towne Road. The twin culverts have been extended to the west. The extensions are of questionable stability in high flow situations.

NOV 1 1960

NOV 1 1960

NOV 1 1960

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: John Osborn Drain, Bridlebourne Sections 2 & 3 Arm

I hereby certify that:

- 1.) I am a Registered Land Surveyor in the State of Indiana,
- 2.) I am familiar with the plans and specifications for the above referenced subdivision,
- 3.) I have personally observed ~~and supervised~~ the completion of the Drainage Facilities for the above referenced subdivision, and
- 4.) To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications except as noted on the attached final inspection report.

Signature:  Date: 11/7/89

Type or Printed Name: John V. Schneider

Business Address: 3020 North Post Road

Indianapolis, IN 46226

Telephone: 898-8282

SEAL



INDIANA REGISTRATION NUMBER

S0115

[Faint, illegible stamp or text]



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 146

One Hamilton County Square
Noblesville, Indiana 46060-2230

May 10, 1996

To: Hamilton County Drainage Board

Re: John Osborn Drain
Bridlebourne Arm

Attached are plans, asbuilts, certificate of completion & compliance, and other information for Bridlebourne sections 2-6. An inspection of the drainage facilities for these sections has been made and the facilities were found to be complete and acceptable. Asbuilts were completed for sections 5,6, and the offsite for Larkspur section 1 located in Bridlebourne sections 5 & 6. Asbuilts could not be obtained for sections 2,3 & 4, however, these sections were inspected and built according to plan.

The portion of drain to be regulated were those outlined in my original reports dated January 7, 1988 and December 22, 1994. However, these portions within Bridlebourne Sections 5 and 6 that were constructed as offsite for Larkspur Section 1 are included in my final report to the Board for the section dated MAY 8, 1996. The totals listed below are those in sections 2,3, and 4. They are as follows:

Open Ditch-1111 feet	18" RCP-428 feet
12" RCP-22 feet	21" RCP-32 feet
15" RCP-332 feet	24" RCP-320 feet

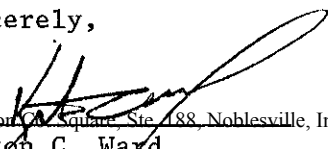
The length of drain described above is 2245 feet.

The non-enforcement for sections 2,3,4,5 and 6 were approved by the Board at its meetings on July 24, 1989; November 11, 1991; and March 27, 1995.

The bonds or letters of credit for these sections have expired.

I recommend the Board approve the drains construction as complete and acceptable.

Sincerely,


Kenton C. Ward
Hamilton County Surveyor

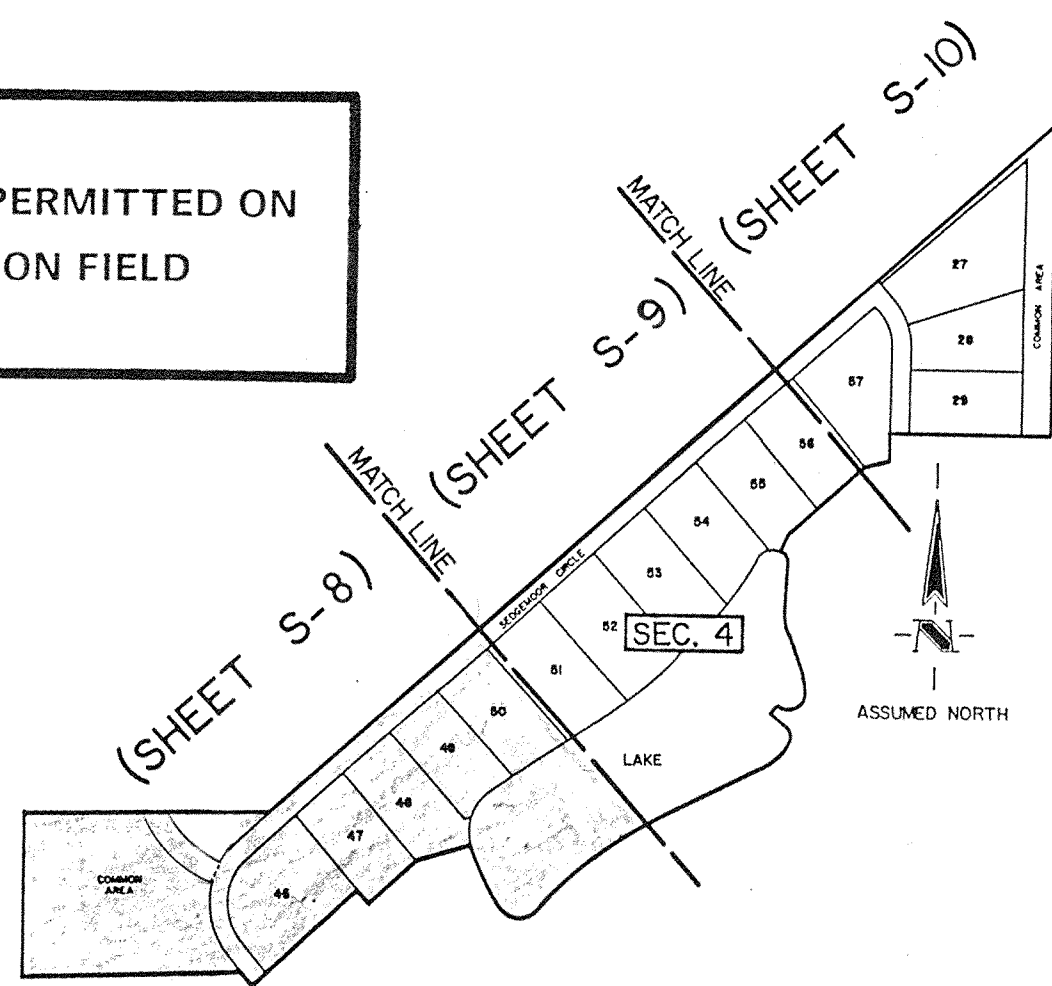
WARNING

PANHANDLE EASTERN PIPELINE CO. SHALL BE NOTIFIED BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR INSIDE THE PIPELINE EASEMENT. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING AROUND PIPELINES. UTILITY LINES CROSSING THE PIPELINE(S) SHALL HAVE A MINIMUM OF 30" CLEARANCE BETWEEN LINES.

NOTE
ABSOLUTELY NO TRAFFIC TO BE PERMITTED ON THE PROPOSED SEPTIC ABSORPTION FIELD AREAS.

GENERAL NOTES:

- It shall be the responsibility of each subcontractor to verify all existing utilities and conditions pertaining to his phase of work. It shall also be the contractor's responsibility to contact the owners of the various utilities for a proper stake location of each utility before work is started.
- The subcontractor shall notify, in writing, the owner or the engineer of any changes, omission, or errors found on these plans or in the field before work is started or resumed.
- Any part of the storm sewer trench running under paved areas shall be backfilled with granular material.
- Private wells anticipated for individual lots.
- Minimum class of reinforced concrete pipe: 12" R.C.P. = Class IV, 15" thru 24" R.C.P. = Class III.
- All grades at boundary shall meet existing grades.
- Water lines as shown are anticipated to provide potable and non-potable water from a future water supply system. The four lots contained herein will use individual wells on an interim basis.

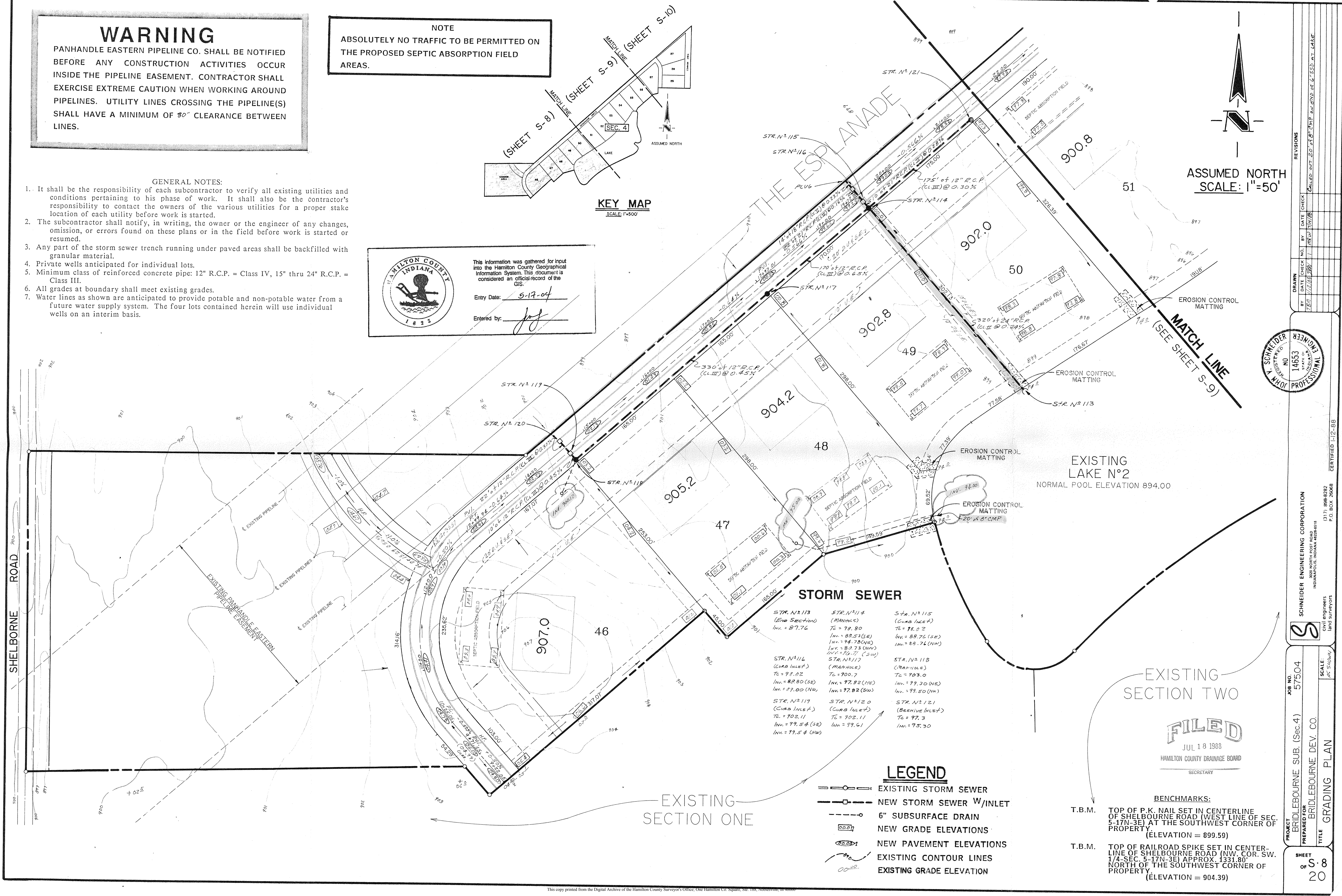


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Entry Date: 5-17-04

Entered by: [Signature]

ASSUMED NORTH
SCALE: 1"=50'



STORM SEWER

STR. N° 113 (End Section) In. = 87.76	STR. N° 114 (MANHOLE) Tc = 98.80 In. = 88.53 (SE) In. = 94.78 (NW) In. = 83.73 (SW) In. = 95.71 (SW)	STR. N° 115 (Cura Inlet) Tc = 98.02 In. = 89.76 (SE) In. = 89.76 (NW)
STR. N° 116 (Cura Inlet) Tc = 98.02 In. = 88.80 (SE) In. = 87.00 (NW)	STR. N° 117 (MANHOLE) Tc = 900.7 In. = 97.82 (NE) In. = 97.82 (SW)	STR. N° 118 (MANHOLE) Tc = 903.0 In. = 99.30 (NE) In. = 99.50 (NW)
STR. N° 119 (Cura Inlet) Tc = 902.11 In. = 99.54 (SE) In. = 99.54 (NW)	STR. N° 120 (Cura Inlet) Tc = 902.11 In. = 99.61	STR. N° 121 (Beehive Inlet) Tc = 97.3 In. = 95.30

- ### LEGEND
- EXISTING STORM SEWER
 - NEW STORM SEWER W/INLET
 - - - 6" SUBSURFACE DRAIN
 - NEW GRADE ELEVATIONS
 - NEW PAVEMENT ELEVATIONS
 - ○ ○ EXISTING CONTOUR LINES
 - ○ ○ EXISTING GRADE ELEVATION

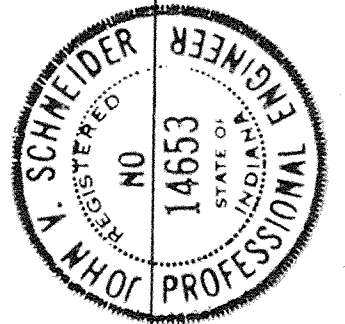
EXISTING SECTION TWO

FILED
JUL 18 1988
HAMILTON COUNTY DRAINAGE BOARD
SECRETARY

BENCHMARKS:

T.B.M. TOP OF P.K. NAIL SET IN CENTERLINE OF SHELBOURNE ROAD (WEST LINE OF SEC. 5-17N-3E) AT THE SOUTHWEST CORNER OF PROPERTY. (ELEVATION = 899.59)

T.B.M. TOP OF RAILROAD SPIKE SET IN CENTERLINE OF SHELBOURNE ROAD (NW. COR. SW. 1/4-SEC. 5-17N-3E) APPROX. 1331.80' NORTH OF THE SOUTHWEST CORNER OF PROPERTY. (ELEVATION = 904.39)



PROJECT: BRIDLEBOURNE SUB. (Sec. 4)
PREPARED FOR: BRIDLEBOURNE DEV. CO.
TITLE: GRADING PLAN

SCALE: 1"=50'

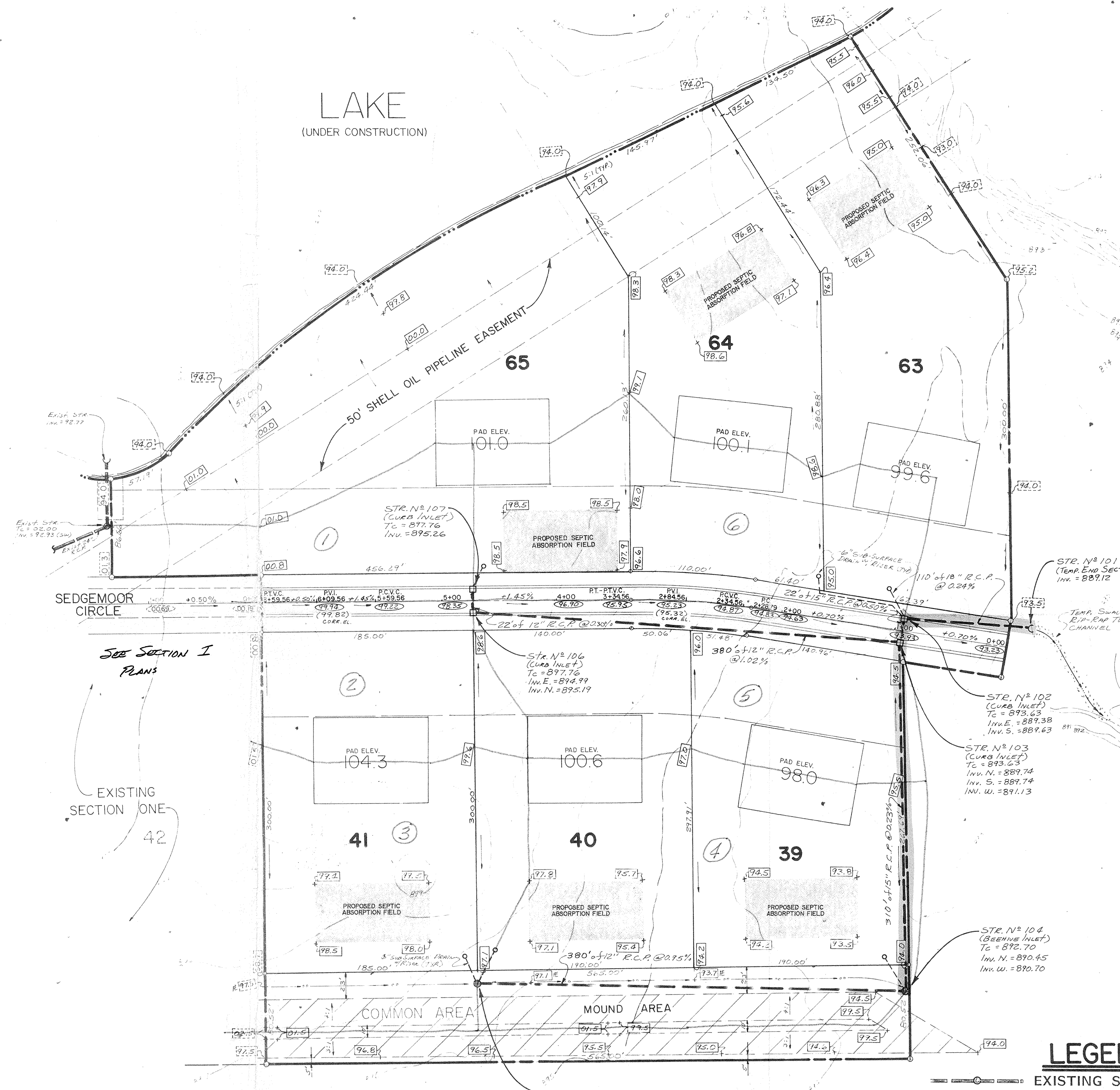
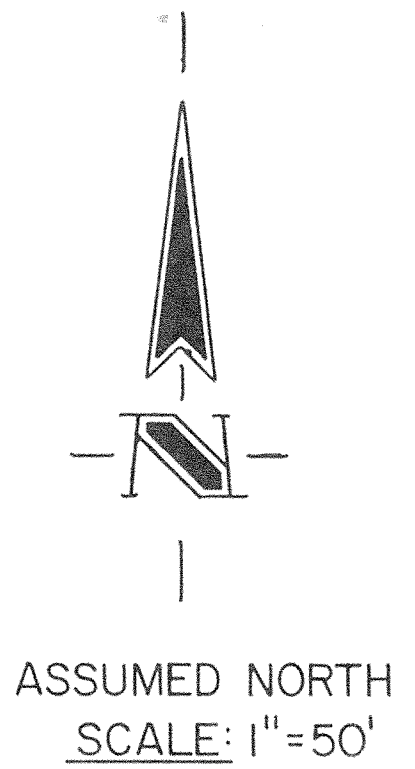
SHEET 8 OF 20

SCHEIDER ENGINEERING CORPORATION
3000 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226-6518
(317) 898-8282
P.O. BOX 26068
CERTIFIED 1-2-98

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WARNING

SHELL PIPELINE CORP. SHALL BE NOTIFIED BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR INSIDE THE 50' SHELL OIL PIPELINE EASEMENT. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING AROUND PIPELINES. UTILITY LINES CROSSING THE PIPELINE(S) SHALL HAVE A MINIMUM OF 18" CLEARANCE BETWEEN LINES.



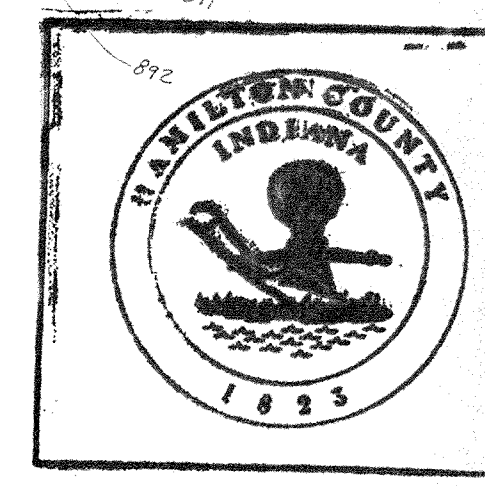
SEE SECTION I PLANS

EXISTING SECTION ONE 42

DRAINAGE BASINS
SEC. 2

GENERAL NOTES:

1. It shall be the responsibility of each subcontractor to verify all existing utilities and conditions pertaining to his phase of work. It shall also be the contractor's responsibility to contact the owners of the various utilities for a proper stake location of each utility before work is started.
2. The subcontractor shall notify, in writing, the owner or the engineer of any changes, omission, or errors found on these plans or in the field before work is started or resumed.
3. Any part of the storm sewer trench running under paved areas shall be backfilled with granular material.
4. Private wells anticipated for individual lots.
5. Minimum class of reinforced concrete pipe: 12" R.C.P. = Class IV, 15" thru 24" R.C.P. = Class III.
6. All grades at boundary shall meet existing grades.
7. Water lines as shown are anticipated to provide potable and non-potable water from a future water supply system. The four lots contained herein will use individual wells on an interim basis.



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Entry Date: 5-17-04
Entered by: [Signature]

FILED
APR 20 1987
HAMILTON COUNTY DRAINAGE BOARD
SECRETARY

NOTE

ABSOLUTELY NO TRAFFIC WILL BE PERMITTED ON THE PROPOSED SEPTIC FIELD AREAS, SHOWN SHADED.

LEGEND

- EXISTING STORM SEWER
- NEW STORM SEWER W/INLET
- EXISTING GRADE ELEVATIONS
- NEW GRADE ELEVATIONS
- EXISTING PAVEMENT ELEVATIONS
- NEW PAVEMENT ELEVATIONS
- EXISTING CONTOUR LINES
- 6" SUBSURFACE DRAIN W/ RISER

BENCHMARKS:

- T.B.M. TOP OF P.K. NAIL SET IN CENTERLINE OF SHELBOURNE ROAD (WEST LINE OF SEC. 5-17N-3E) AT THE SOUTHWEST CORNER OF PROPERTY (ELEVATION = 899.59)
- T.B.M. TOP OF RAILROAD SPIKE SET IN CENTERLINE OF SHELBOURNE ROAD (NW. COR. SW. 1/4-SEC. 5-17N-3E) APPROX. 1331.80' NORTH OF THE SOUTHWEST CORNER OF PROPERTY (ELEVATION = 904.39)

REVISIONS

NO.	DATE	CHECK NO.	BY	DATE	CHECK

DRAWN BY: [Signature]

PROJECT: BRIDLEBOURNE SUB. (Sec.2) JOB NO. 57502
PREPARED FOR: BRIDLEBOURNE DEV. CORP.
TITLE: GRADING PLAN SCALE: 1"=50'

SCHNEIDER ENGINEERING CORPORATION
3615 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226
(317) 898-8297
P.O. BOX 26068
CERTIFIED
civil engineers
land surveyors

SHEET OF 6-6

NOTE

ABSOLUTELY NO TRAFFIC WILL BE PERMITTED ON THE PROPOSED SEPTIC FIELD AREAS, SHOWN SHADED.

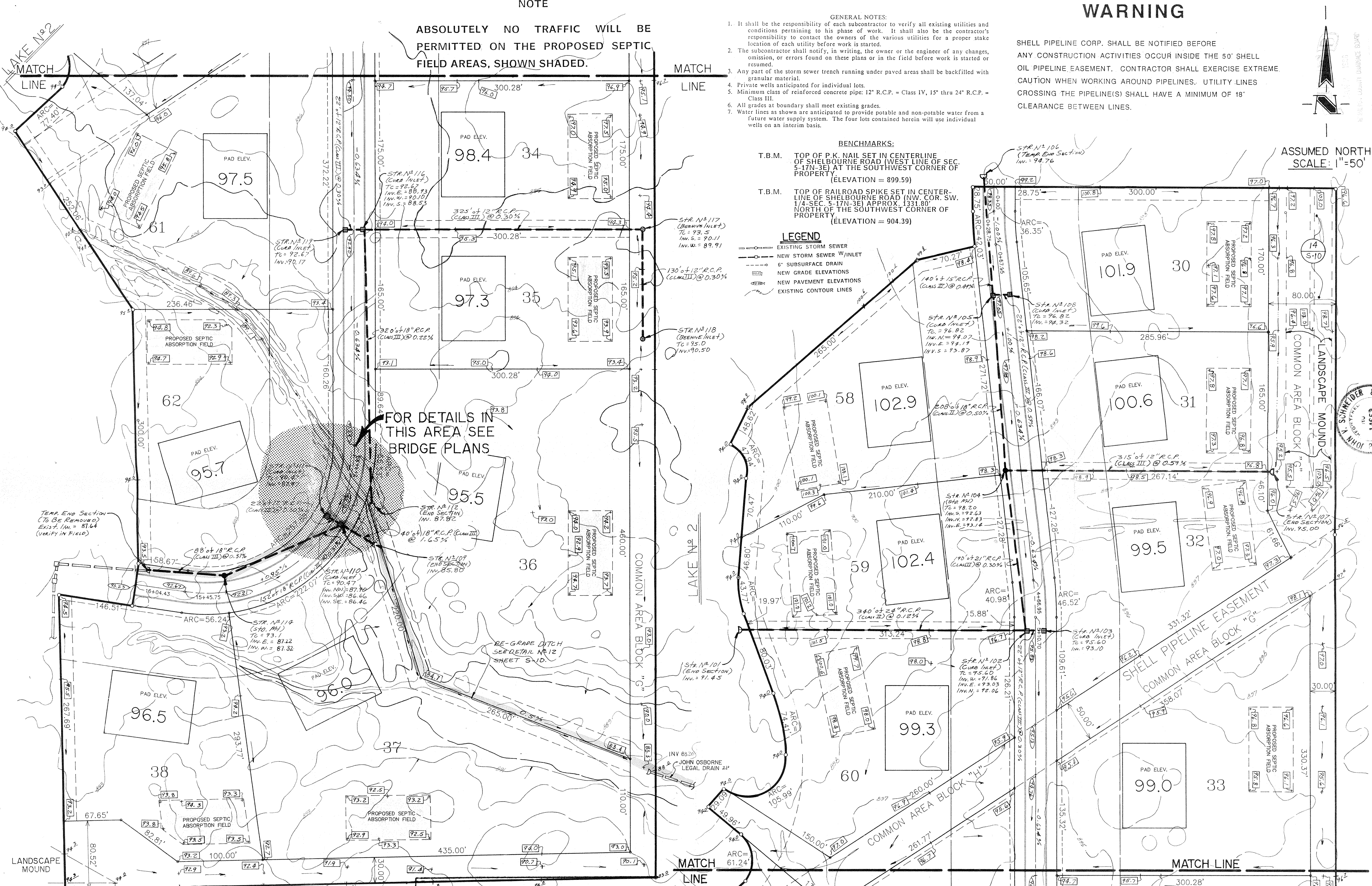
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WARNING

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ASSUMED NORTH SCALE: 1" = 50'



BENCHMARKS:

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LEGEND

- EXISTING STORM SEWER
NEW STORM SEWER W/INLET
6" SUBSURFACE DRAIN
NEW GRADE ELEVATIONS
NEW PAVEMENT ELEVATIONS
EXISTING CONTOUR LINES

FOR DETAILS IN THIS AREA SEE BRIDGE PLANS



This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 5-13-04

Entered by: [Signature]



SCHNEIDER ENGINEERING CORPORATION
3000 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46245-1919
PROJECT: BRIDLEBOURNE SUB. (Sec. 3) 57503
PREPARED FOR: BRIDLEBOURNE DEV. CO.
TITLE: GRADING PLAN
SCALE: As Noted

FILED

DATE	CHECK NO.	BY	DATE	CHECK
DEC 17/2017				

REVISIONS

DRAWN BY: [] DATE: []

CHECKED BY: [] DATE: []

PROJECT: BRIDLEBOURNE SUB. (Sec. 3)
 PREPARED FOR: BRIDLEBOURNE DEV. CO.
 TITLE: STORM SEWER PLAN

JOB NO. 57503

SCALE: 1" = 50'

DATE: []

BY: []

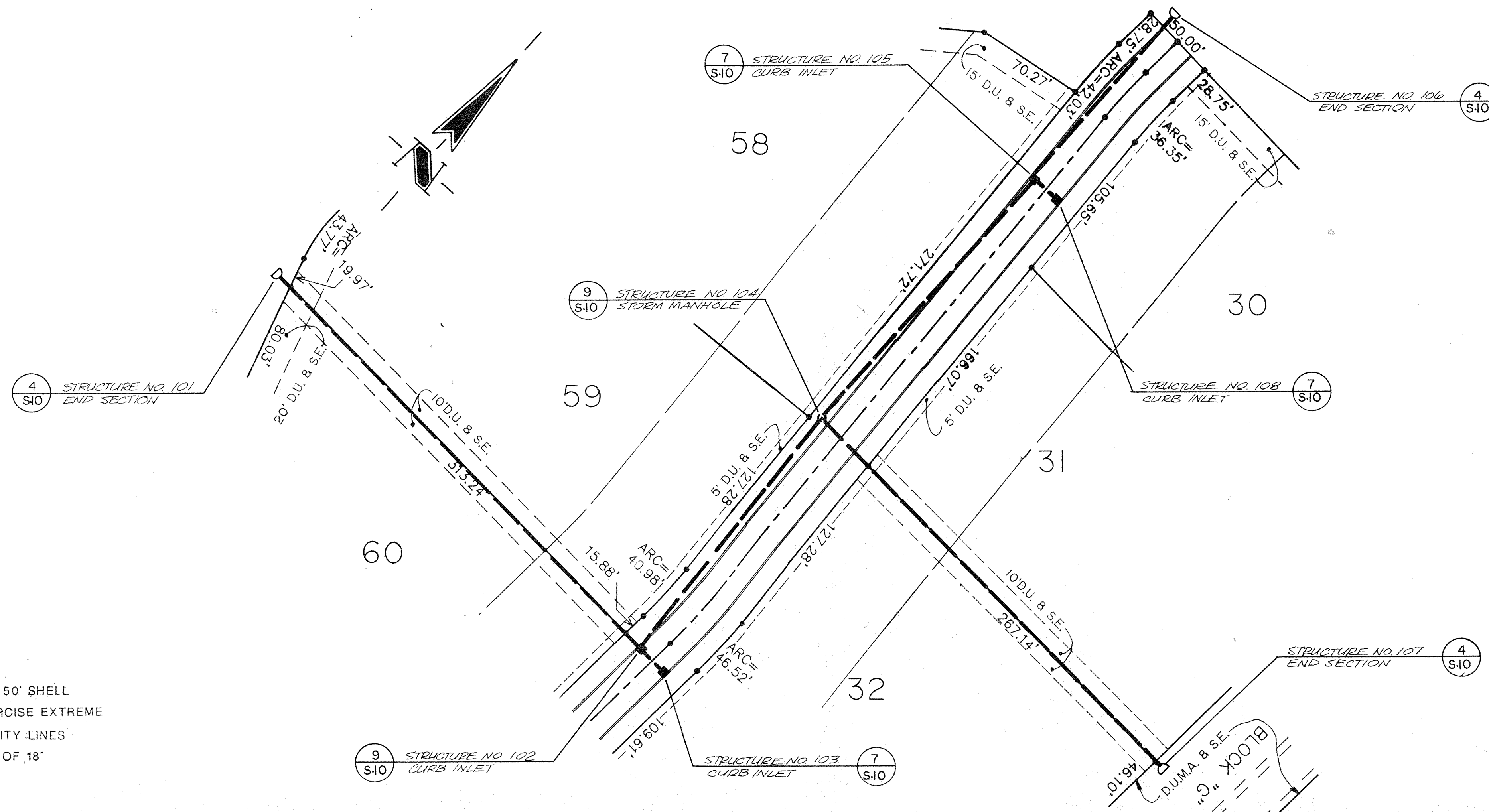
CHECKED: []

DATE: []

SHEET 5 OF 8
 12

WARNING

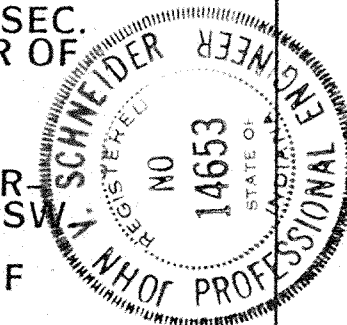
SHELL PIPELINE CORP. SHALL BE NOTIFIED BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR INSIDE THE 50' SHELL OIL PIPELINE EASEMENT. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING AROUND PIPELINES. UTILITY LINES CROSSING THE PIPELINE(S) SHALL HAVE A MINIMUM OF 18" CLEARANCE BETWEEN LINES.



BENCHMARKS:

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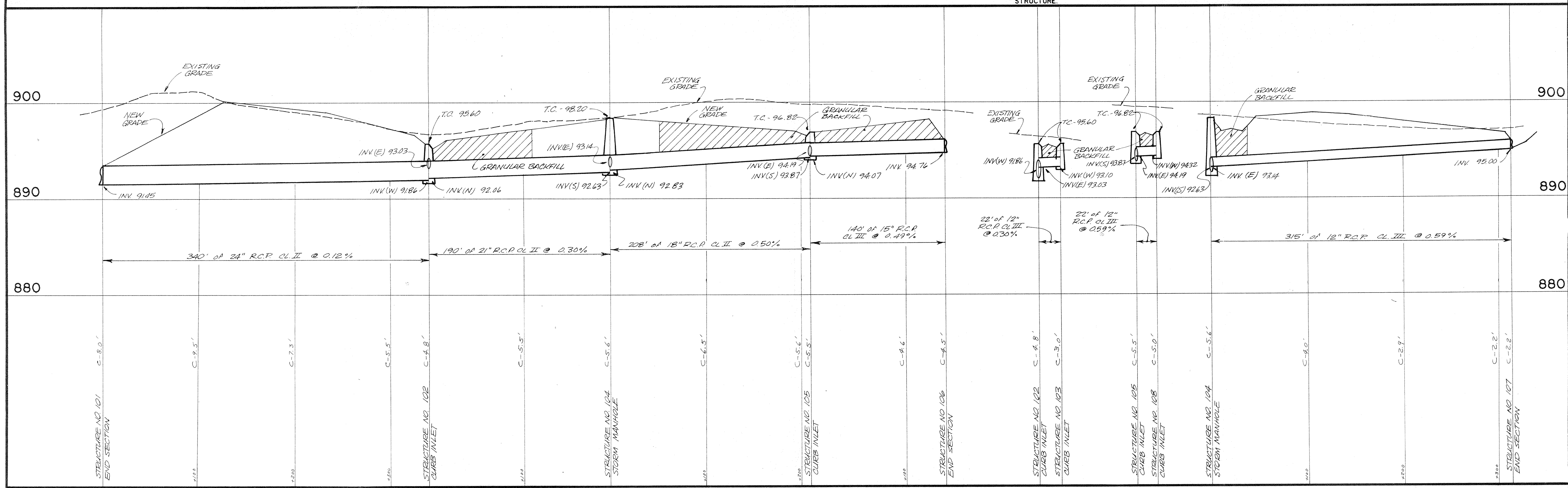


PLAN OF STORM SEWER

GENERAL NOTES:

- ALL CUT ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
- STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.

SCALE: 1" = 50'



PROFILE OF STORM SEWER

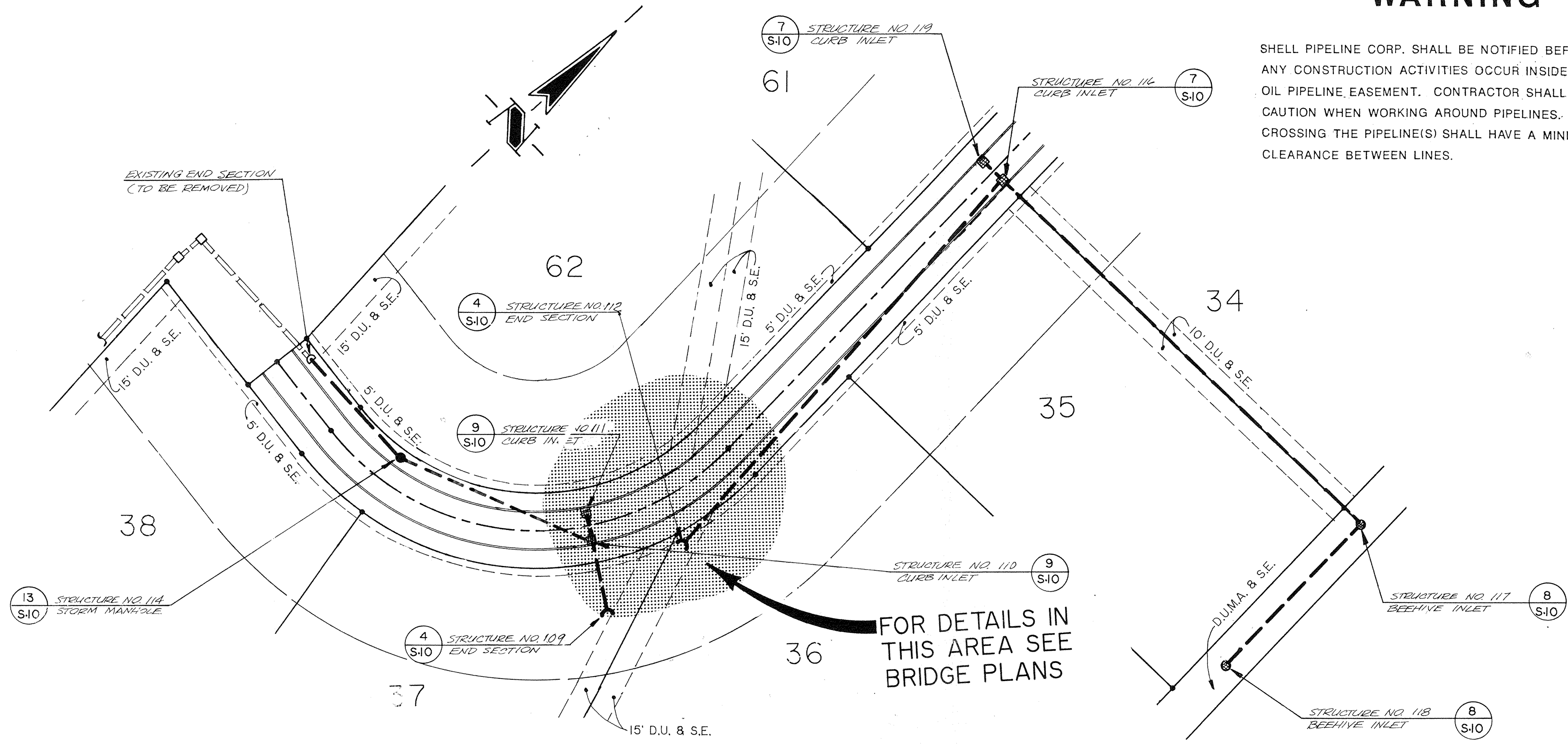
SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

WARNING

SHELL PIPELINE CORP. SHALL BE NOTIFIED BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR INSIDE THE 50' SHELL OIL PIPELINE EASEMENT. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING AROUND PIPELINES. UTILITY LINES CROSSING THE PIPELINE(S) SHALL HAVE A MINIMUM OF 18' CLEARANCE BETWEEN LINES.

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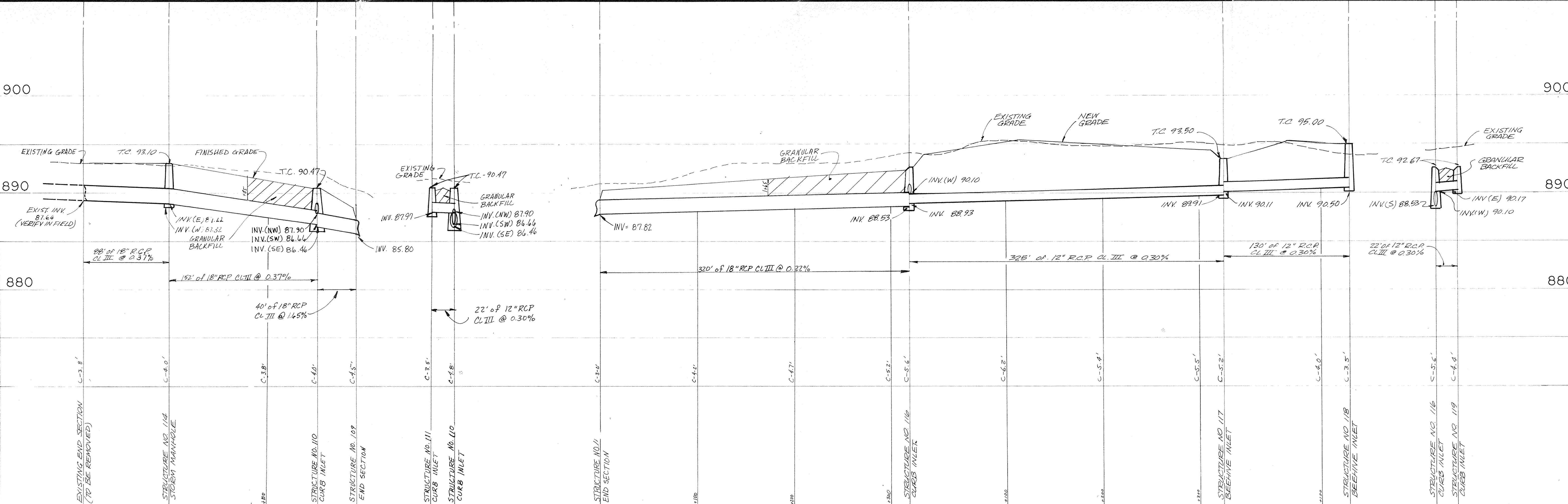


- GENERAL NOTES:**
- ALL CUT ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
 - STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.



PLAN OF STORM SEWER

SCALE: 1" = 50'



PROFILE OF STORM SEWER

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

REVISIONS	DATE	CHECK	BY
1	10/23/07		
2	10/27/07		
3	10/27/07		

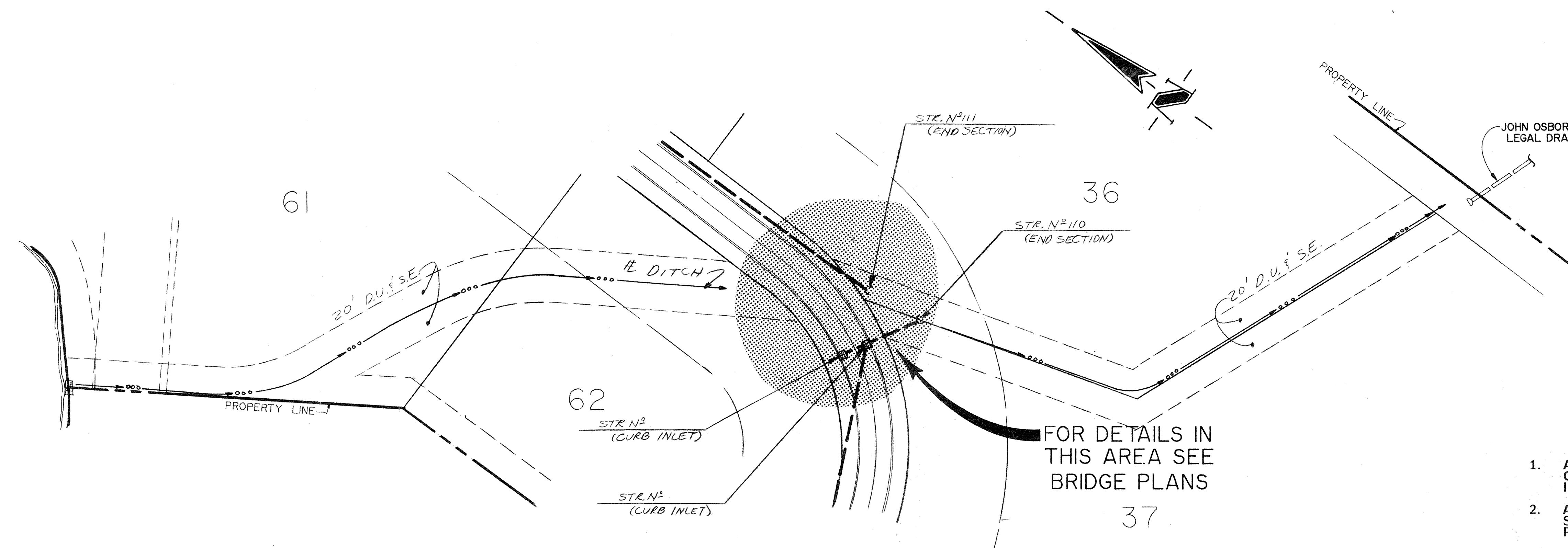
DRAWN: [Signature]
 CHECKED: [Signature]
 DATE: 10/23/07
 BY: [Signature]

PROJECT: BRIDLEBOURNE SUB. (Sec. 3)
 PREPARED FOR: BRIDLEBOURNE DEV. CO.
 TITLE: STORM SEWER PLAN

SHEET OF 6-9
 12

SCHNEIDER ENGINEERING CORPORATION
 300 WEST POST ROAD
 INDIANAPOLIS, INDIANA 46208-8518
 (317) 898-8282
 P.O. BOX 26068
 771781

LAKE



WARNING

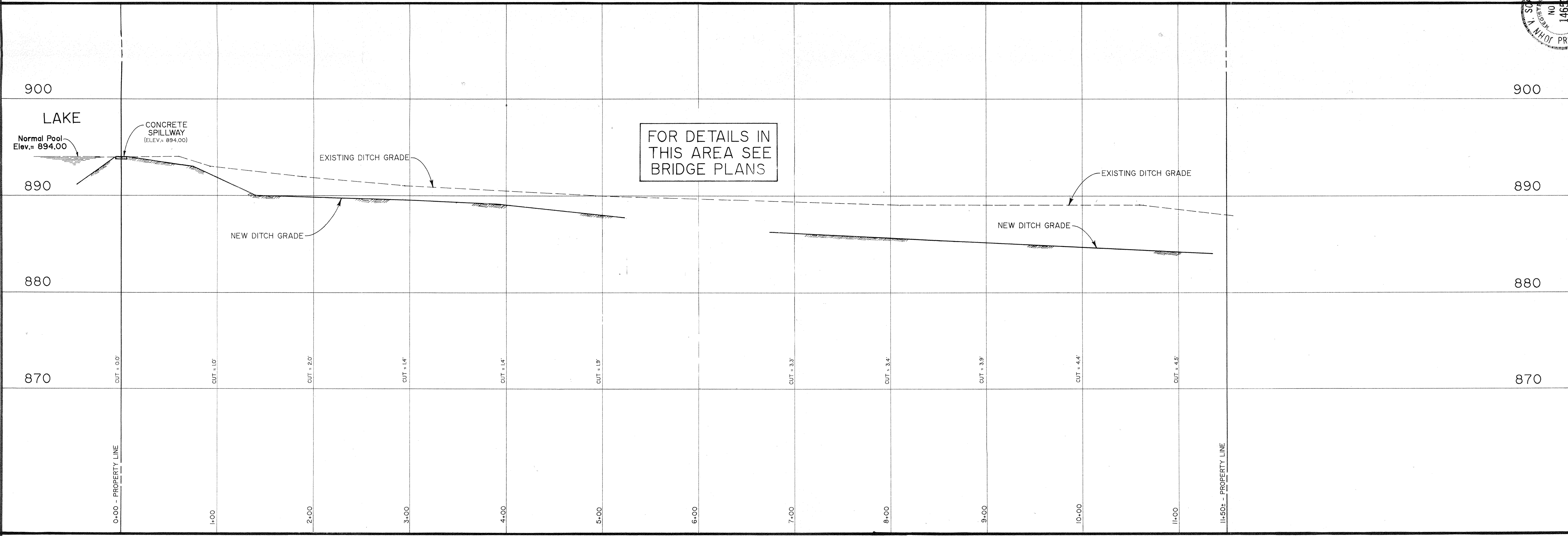
SHELL PIPELINE CORP. SHALL BE NOTIFIED BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR INSIDE THE 50' SHELL OIL PIPELINE EASEMENT. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING AROUND PIPELINES. UTILITY LINES CROSSING THE PIPELINE(S) SHALL HAVE A MINIMUM OF 18' CLEARANCE BETWEEN LINES.

GENERAL NOTES:

1. ALL CUTS ARE TAKEN FROM THE EXISTING DITCH GRADE TO THE NEW DITCH GRADE OR THE PIPE INVERT.
2. ALL DISTURBED AREAS ARE TO BE GRADED AND SEEDED TO ORIGINAL CONDITION TO INSURE POSITIVE DRAINAGE.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

PLAN OF DITCH

SCALE: 1" = 50'



PROFILE OF DITCH

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

REVISIONS	DATE	CHECK	BY

DRAWN BY: TDP
 CHECKED BY: JTB
 DATE: 8/7/87
 PROJECT NO.: 57503
 SHEET NO.: D-100

SCHNEIDER ENGINEERING CORPORATION
 3025 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46246-6518
 (317) 899-9282
 P.O. BOX 26088

CIVIL ENGINEERS
 LAND SURVEYORS

PROJECT: BRIDLEBOURNE SUB. (Sec. 3)
 PREPARED FOR: BRIDLEBOURNE DEV. CORP.
 TITLE: DITCH - PLAN & PROFILE

JOB NO.: 57503
 SCALE: AS NOTED

SHEET: D-100

