

**Drain:** SARINGHAM VILLAGES DRAIN **Drain #:** 268  
**Improvement/Arm:** THE MEADOWS - SECTION 2A  
**Operator:** JOH **Date:** 5-18-04  
**Drain Classification:** Urban/Rural **Year Installed:** 1996

### GIS Drain Input Checklist

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

Gasb 34 Footages for Historical Cost  
Drain Length Log

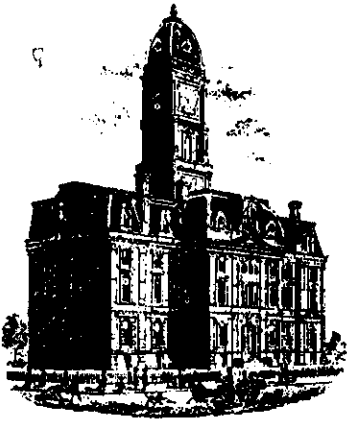
Drain-Improvement: SPRINGMILL VILLAGES DRAIN - THE MEADOWS - SECTION 3A

Drain Type:	Size:	Length <i>SURVIVAL REPORT</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
<i>SSD</i>	<i>6"</i>	<i>3,588'</i>	<i>3,588'</i>	<i>∅</i>	<i>2.00</i>	<i>7,176.00</i>
<i>RCP</i>	<i>12"</i>	<i>173'</i>	<i>173'</i>	<i>∅</i>	<i>7.25</i>	<i>1,254.25</i>
	<i>15"</i>	<i>552'</i>	<i>582'</i>	<i>+30'</i>	<i>9.50</i>	<i>5,529.00</i>
	<i>18"</i>	<i>364'</i>	<i>364'</i>	<i>∅</i>	<i>10.50</i>	<i>3,822.00</i>
	<i>24"</i>	<i>80'</i>	<i>80'</i>	<i>∅</i>	<i>18.00</i>	<i>1,440.00</i>
	<i>36"</i>	<i>572'</i>	<i>572'</i>	<i>∅</i>	<i>32.25</i>	<i>18,447.00</i>

Sum:      *5329'*    *5359'*    *+30'*                      *\$37,668.25*

Final Report: \_\_\_\_\_

Comments:  
*SR AND AB DISABLED ON 15" RCP LENGTHS.*  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230 January 9, 1996

TO: Hamilton County Drainage Board

RE: Springmill Village Drain, Section 3A The Meadows Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Meadows Section 3A Arm, Springmill Village Drain. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" SSD	3588 feet	18" RCP	363 feet
12" RCP	174 feet	24" RCP	81 feet
15" RCP	555 feet	36" RCP	570 feet

The total length of the drain will be 5,331 feet.

The retention pond (lake) located in Block E and Block D is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain hose located under the curbs.

Page #2

Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, \$5.00 per acre for roadways, with a \$ 30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$ 600.<sup>75</sup>.

Parcels assessed for this drain may be assessed for the Overman-Harvey and/or Village Farms at sometime in the future.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for The Meadows Section 3A at Springmill Villages as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for February 1996.

---

Kenton C. Ward  
Hamilton County Surveyor  
KCW/no

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: The MEadows at Springmill Villages Section 3A

I hereby certify that:

- 1.) I am a Registered Engineer 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.

Signature: \_\_\_\_\_

*David K. Sexton*

Date: \_\_\_\_\_

12.13.95

Type or Printed Name: David K. Sexton

Business Address: Schneider Engineering Corp. 3020 N. Post Rd, Indianapolis, IN 46226

Telephone: 317-898-8282

INDIANA REGISTRATION NUMBER

9500028

SEAL





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

July 23, 1996

TO: Hamilton County Drainage Board

RE: Springmill Villages Drain-The Meadows-Section 3A

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Springmill Villages Drain-The Meadows Section 3A. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain which will alter the plans submitted with my report for this drain dated January 9, 1996. The changes are as followed:

STR 247 to 246	15"	RCP	shortened	from	28'	to	26 feet
STR 246 to 245	15"	RCP	lengthened	from	53'	to	55 feet
STR 256 to 255	15"	RCP	shortened	from	28'	to	26 feet
STR 240 to 241	24"	RCP	shortened	from	23'	to	22 feet
STR 241 to 242	18"	RCP	lengthened	from	101'	to	102 feet
STR 242 to 243	18"	RCP	lengthened	from	101'	to	102 feet
STR 243 to 244	18"	RCP	shortened	from	28'	to	26 feet
STR 244 to 245	18"	RCP	lengthened	from	117'	to	118 feet
STR 245 to 257	12"	RCP	shortened	from	174'	to	173 feet
STR 267 to 268	15"	RCP	shortened	from	60'	to	58 feet
STR 268 to 269	15"	RCP	lengthened	from	276'	to	277 feet
STR 215 to 216	36"	RCP	shortened	from	140'	to	136 feet
STR 216 to 217	36"	RCP	lengthened	from	43'	to	45 feet
STR 217 to 218	36"	RCP	shortened	from	28'	to	26 feet
STR 218 to 219	36"	RCP	lengthened	from	166'	to	167 feet
STR 219 to 220	36"	RCP	lengthened	from	193'	to	198 feet


The length of the drain due to the changes described above is now 5,329 feet.

The non-enforcement request was approved by the Board at its meeting on February 26, 1996.

Page #2

The Bond of Letter of Credit from Brenwick Development was not required.

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



---

Kenton C. Ward  
Hamilton County Surveyor  
KCW/no

# THE MEADOWS AT SPRINGMILL VILLAGES SECTION 3

(CONSTRUCTION PLANS)

WASHINGTON TOWNSHIP  
HAMILTON COUNTY, INDIANA

DEVELOPER:

**BRENWICK DEVELOPMENT CO., INC.**

12722 HAMILTON CROSSING BLVD.

CARMEL, INDIANA 46032

(317) 574-3400

Engineer:

**SCHNEIDER ENGINEERING CORP.**

3020 NORTH POST ROAD

INDIANAPOLIS, INDIANA 46226

(317) 898-8282 FAX (317) 899-8010

**STORM  
ASBUILT**  
12.13.95

INDEX	
SHEET No.	DESCRIPTION
S-1	TITLE SHEET
S-2	DEVELOPMENT PLAN
S-3	EROSION CONTROL PLAN
S-4,5,6	STREET PLAN & PROFILES
S-7	ENTRANCE/INTERSECTION DETAIL
S-8,9,10	SANITARY SEWER PLAN & PROFILES
S-11,12,13	FORCE MAIN PLAN & PROFILES
S-14	LIFT STATION DETAIL
S-15,16	STORM SEWER PLAN & PROFILES
S-17	OFF-SITE DRAINAGE
S-18	WATER DISTRIBUTION PLAN
S-19	WATER DIST. DETAILS & SPECS.
S-20	HAMILTON COUNTY DETAILS
S-21	GENERAL DETAILS
S-22	SPECIFICATIONS

PRINTED  
JAN 5 1996  
SCHNEIDER ENGINEERING CORP.

**S** Schneider  
Engineering  
Corporation

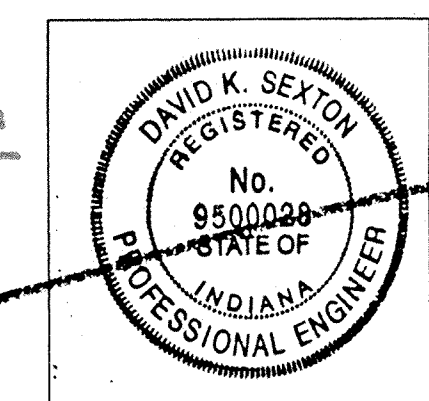
3020 North Post Road  
Indianapolis, Indiana  
46226-0068  
317-898-8282  
317-899-8010 Fax

Engineering  
Surveying  
GIS • LIS  
Ecology

A Partnered Entity with Bohlen, Meyer, Gibson & Associates, Incorporated

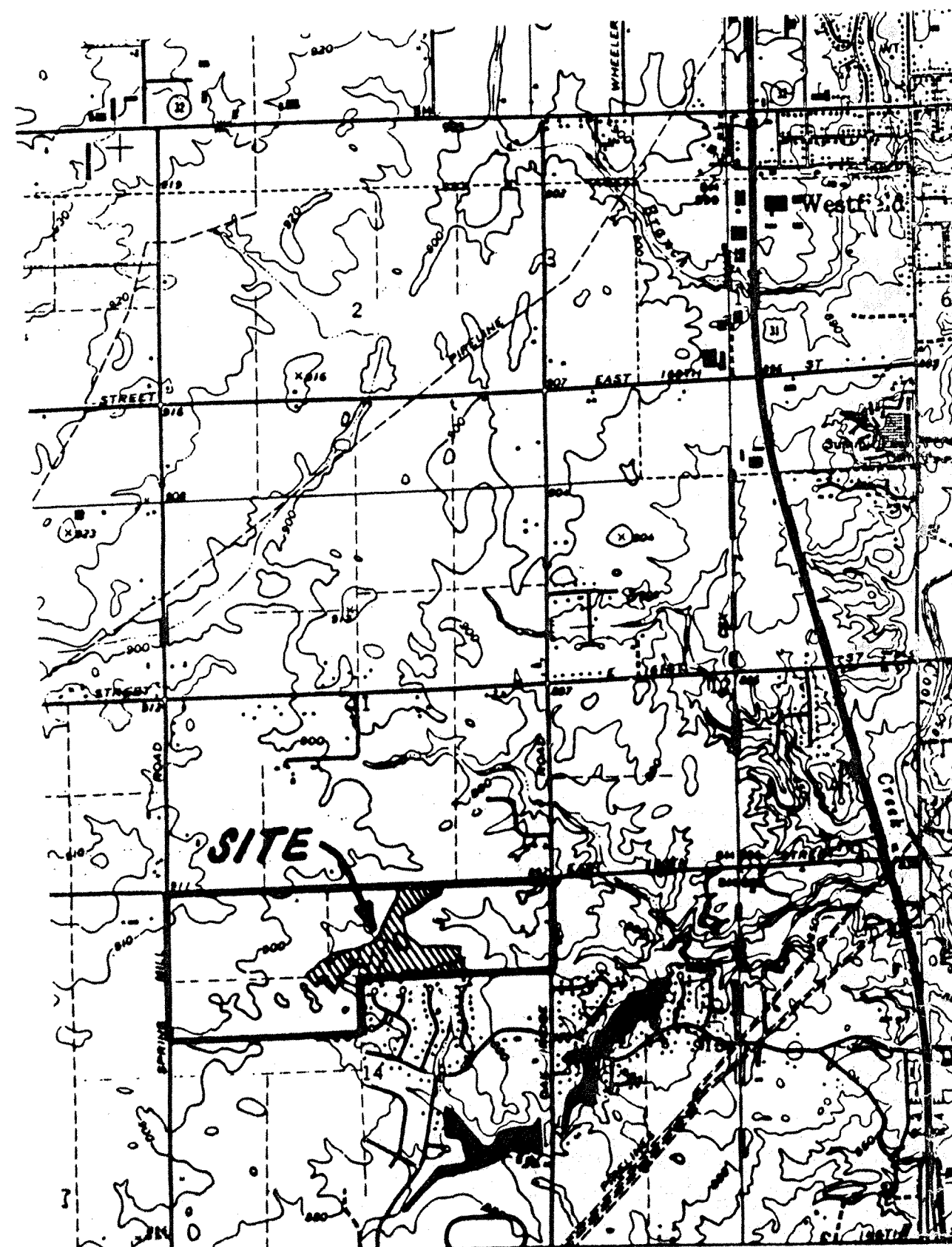
CERTIFIED BY: DAVID K. SEXTON

FILED  
JAN 05 1996  
OFFICE OF HAMILTON COUNTY SURVEYOR



DATE: 4.5.95

SHEET  
S-1  
OF  
22

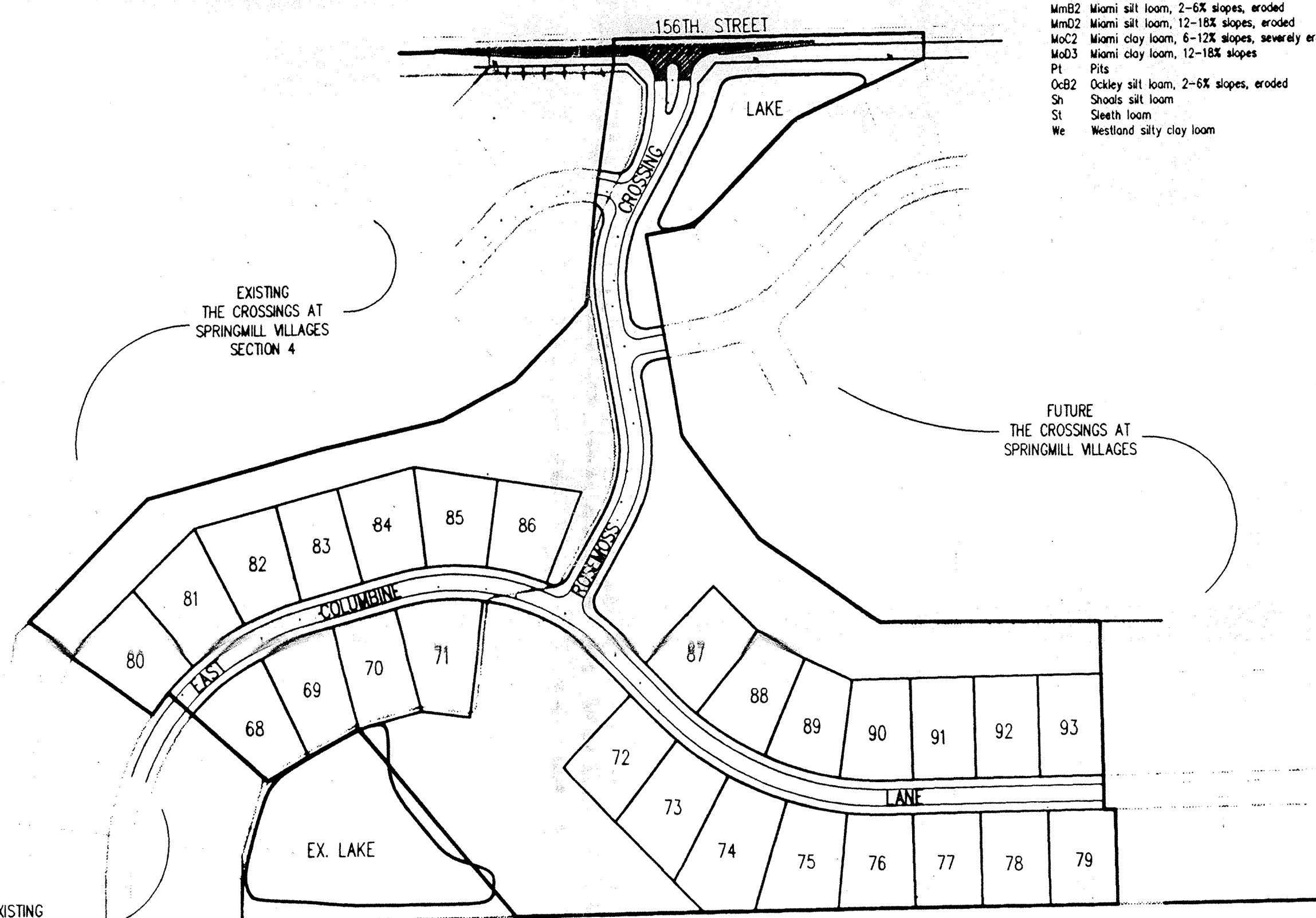


**AREA MAP**  
NOT TO SCALE



**SOILS MAP**  
NOT TO SCALE

SOILS LEGEND:  
FuA Fox loam, 0-2% slopes  
FuB2 Fox loam, 2-6% slopes, eroded  
HsF Henspin loam, 18 to 50% slopes  
MnA Miami silt loam, 0-2% slopes  
MnB2 Miami silt loam, 2-6% slopes, eroded  
MnB22 Miami silt loam, 12-18% slopes, eroded  
MnC2 Miami clay loam, 6-12% slopes, severely eroded  
MnD3 Miami clay loam, 12-18% slopes  
Pi Pis  
Ox-B2 Oxley silt loam, 2-6% slopes, eroded  
Sh Shoals silt loam  
Sl Sleeth loam  
We Westland silty clay loam



**SITE MAP**  
SCALE: N/A

PROJECT MANAGER: DKS

CHECKED BY: DATE CHECKED:

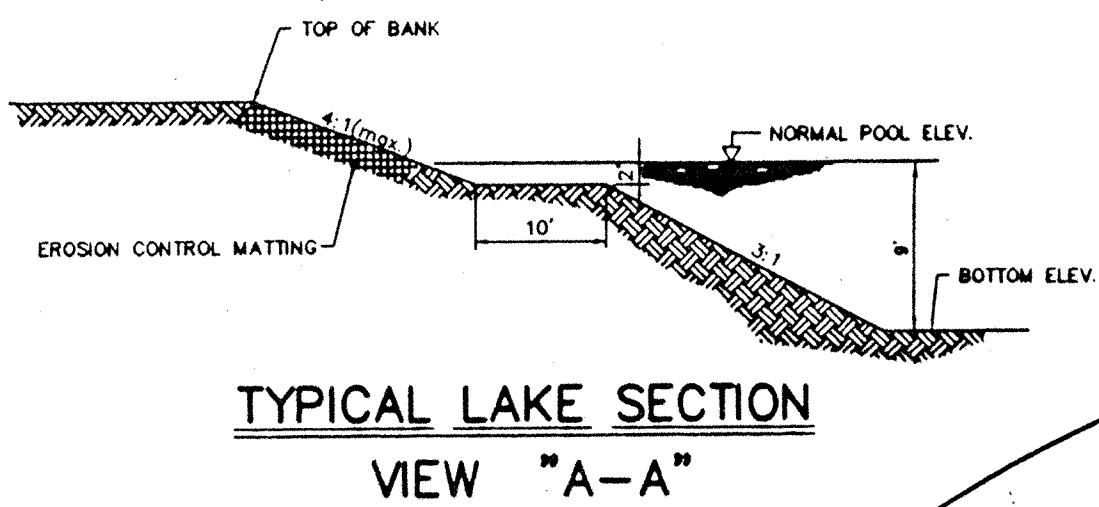


**STORM SEWER TABLE**

STR #	STA	BASE LINE	OFFSET	LT/RT	TYPE	TC
215	35+38.69	A	175.00'	RT	END SECTION	-
216	35+40.14	A	35.39'	RT	MANHOLE	891.30
217	35+00.84	A	14.00'	RT	MRB INLET	890.58
218	35+00.84	A	14.00'	LT	CURB INLET	890.58
219	35+00.84	A	180.00'	RT	BEEHIVE	891.00
240	6+66.95	B	-	RT	END SECTION	-
241	6+66.95	B	-	RT	MANHOLE	896.50
242	5+50.00	B	-	RT	MANHOLE	889.00
243	0+50.00	B	-	LT	CURB INLET	895.00
244	0+50.00	B	-	RT	END SECTION	-
245	3+14.00	B	67.21'	RT	BEEHIVE	894.50
247	3+14.00	B	14.00'	LT	CURB INLET	895.00
247	3+14.00	B	14.00'	RT	CURB INLET	895.00
254	6+66.95	B	-	RT	CURB INLET	895.88
255	17+84.47	A	4.00'	LT	CURB INLET	895.00
256	17+84.47	A	4.00'	RT	CURB INLET	895.00
257	2+08.49	B	171.68'	RT	BEEHIVE	893.70
258	45+42.16	A	14.00'	RT	CURB INLET	889.50
259	45+42.16	A	14.00'	LT	CURB INLET	889.50
260	45+43.81	A	213.19'	LT	BEEHIVE	893.00
266	8+56.03	B	77.68'	RT	END SEC.	-
267	8+58.53	B	30.00'	RT	CURB INLET	897.50
268	8+57.84	B	30.00'	LT	CURB INLET	897.50
269	8+84.03	B	286.59'	LT	BEEHIVE	894.50

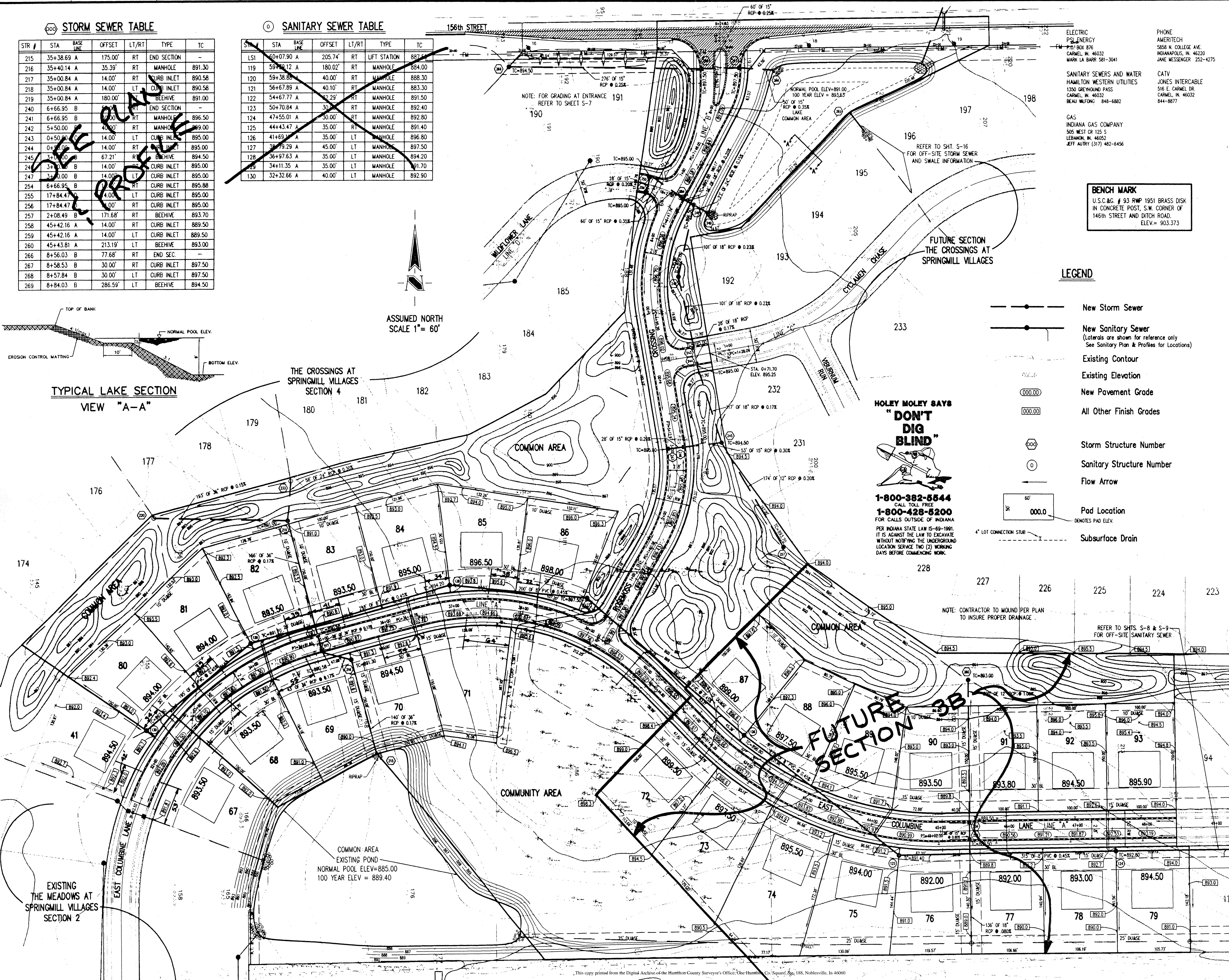
**SANITARY SEWER TABLE**

STR #	STA	BASE LINE	OFFSET	LT/RT	TYPE	TC
LS1	60+07.90	A	205.74'	RT	LIFT STATION	887.40
119	59+38.85	A	180.02'	RT	MANHOLE	884.00
120	59+38.85	A	40.00'	RT	MANHOLE	888.30
121	56+67.89	A	40.10'	RT	MANHOLE	883.30
122	54+67.77	A	12.29'	RT	MANHOLE	891.50
123	50+70.84	A	30.00'	RT	MANHOLE	892.40
124	47+55.01	A	30.00'	RT	MANHOLE	892.80
125	44+43.47	A	35.00'	RT	MANHOLE	891.40
126	41+69.17	A	35.00'	LT	MANHOLE	896.80
127	38+79.29	A	45.00'	LT	MANHOLE	897.50
128	36+97.63	A	35.00'	LT	MANHOLE	894.20
129	34+11.35	A	35.00'	LT	MANHOLE	891.70
130	32+32.66	A	40.00'	LT	MANHOLE	892.90



THE CROSSINGS AT SPRINGMILL VILLAGES SECTION 4

ASSUMED NORTH  
SCALE 1" = 60'



- ELECTRIC  
PSI ENERGY  
P.O. BOX 876  
CARMEL, IN 46032  
MARK LA BARR 581-3041
- SANITARY SEWERS AND WATER  
HAMILTON WESTERN UTILITIES  
1350 GREYHOUND PASS  
CARMEL, IN 46032  
BEAU WILFONG 848-6882
- GAS  
INDIANA GAS COMPANY  
505 WEST CR 125 S  
LEBANON, IN 46052  
JEFF AUSTY (317) 482-6456
- PHONE  
AMERITECH  
5858 N. COLLEGE AVE.  
INDIANAPOLIS, IN 46220  
JANE MESSENGER 252-4275
- CATV  
JONES INTERCABLE  
516 E. CARMEL DR.  
CARMEL, IN 46032  
844-8877

**BENCH MARK**  
U.S.C.&G. # 93 RWP 1951 BRASS DISK  
IN CONCRETE POST, S.W. CORNER OF  
146TH STREET AND DITCH ROAD.  
ELEV.= 903.373

**LEGEND**

- New Storm Sewer
- New Sanitary Sewer  
(Laterals are shown for reference only  
See Sanitary Plan & Profiles for Locations)
- Existing Contour
- Existing Elevation
- New Pavement Grade
- All Other Finish Grades
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Pad Location  
DENOTES PAD ELEV.
- Subsurface Drain

**HOLEY MOLEY SAYS "DON'T DIG BLIND"**

1-800-382-5544  
CALL TOLL FREE  
1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA  
PER INDIANA STATE LAW IS-69-1991  
IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

- GENERAL NOTES:
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
  - 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 SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
  - STANDARD SPECIFICATIONS SHALL APPLY FOR ALL SANITARY SEWERS.
  - ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
  - THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
  - SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4" IN WIDTH. IF SIDEWALK IS TO BE PART OF THE HOME DRIVEWAY THAN 6" THICKNESS IS REQUIRED.
  - CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
  - TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
  - ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
  - CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**SSD & STORM ASBUILT**

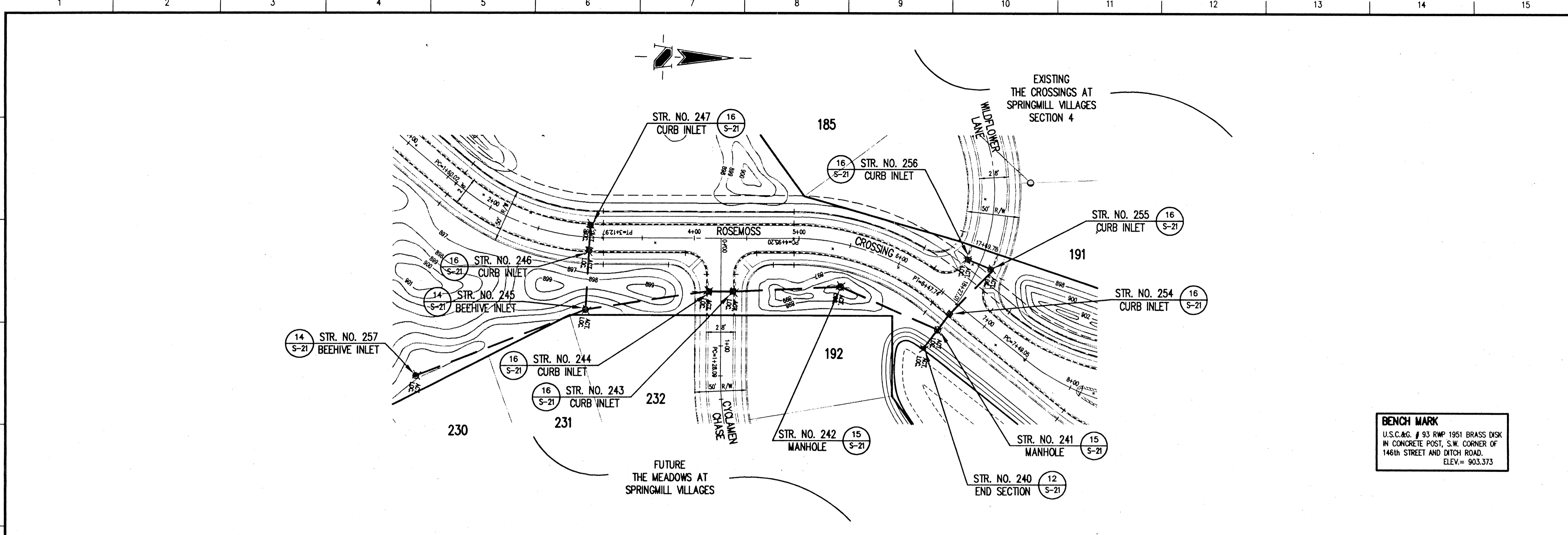
Revisions  
**12-13-95**

DAVID K. SEXTON REGISTERED PROFESSIONAL ENGINEER  
No. 9500028 STATE OF INDIANA  
CERTIFIED BY  
4-5-96

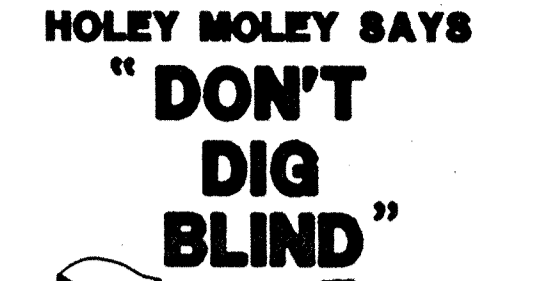
**Schneider Engineering Corporation**  
3020 North Post Road  
Indianapolis, Indiana 46226-0068  
317-898-8282  
317-898-8010 Fax  
Engineering Surveying GIS • LIS Geology

A Partnered Entity with Bohlen, Meyer, Gibson & Associates, Incorporated  
BRENWICK DEVELOPMENT CO. INC.  
THE MEADOWS SECTION 3  
AT SPRINGMILL VILLAGES  
**SITE DEVELOPMENT PLAN**

Date 1/25/95	Project No. 895.13	Drawn GSD	Approv.
Computer Files 895130V2 895130V1	Sheet No. <b>S-2</b>		



**BENCH MARK**  
 U.S.C. & G. # 93 RWP 1951 BRASS DISK  
 IN CONCRETE POST, S.W. CORNER OF  
 146th STREET AND DITCH ROAD.  
 ELEV. = 903.373



**HOLEY MOLEY SAYS "DON'T DIG BLIND"**  
**1-800-382-5544**  
 CALL TOLL FREE  
**1-800-428-5200**  
 FOR CALLS OUTSIDE OF INDIANA  
 PER INDIANA STATE LAW 15-69-1991.  
 IT IS AGAINST THE LAW TO EXCAVATE  
 WITHOUT NOTIFYING THE UNDERGROUND  
 LOCATION SERVICE TWO (2) WORKING  
 DAYS BEFORE COMMENCING WORK.

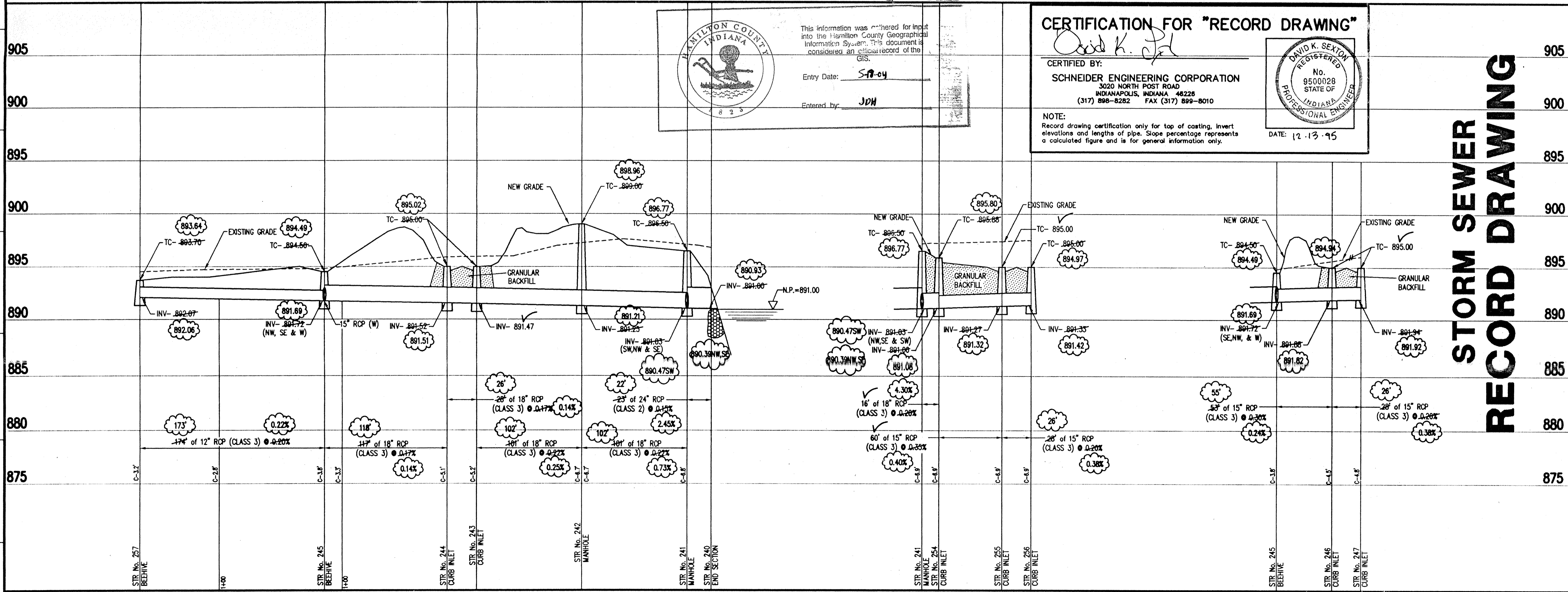
**GENERAL NOTES:**

- ALL CUTS ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
- ALL STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
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- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**STORM SEWER PLAN**

SCALE: 1"=50'

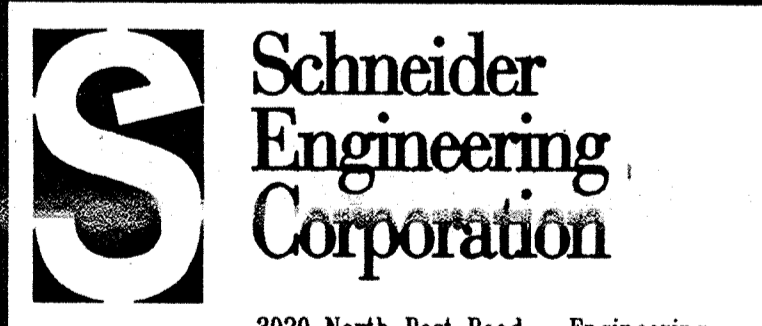
Revisions  
 12-13-95 STORM SEWER "RECORD DRAWING" B.E.T.



**STORM SEWER PROFILE**

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

CERTIFIED BY: NOT PUBLISHED  
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 OF SCHNEIDER ENGINEERING CORPORATION.



3020 North Post Road Engineering  
 Indianapolis, Indiana Surveying  
 46226-0068 GIS + LIS  
 317-898-8282 Geology  
 317-899-8010 Fax

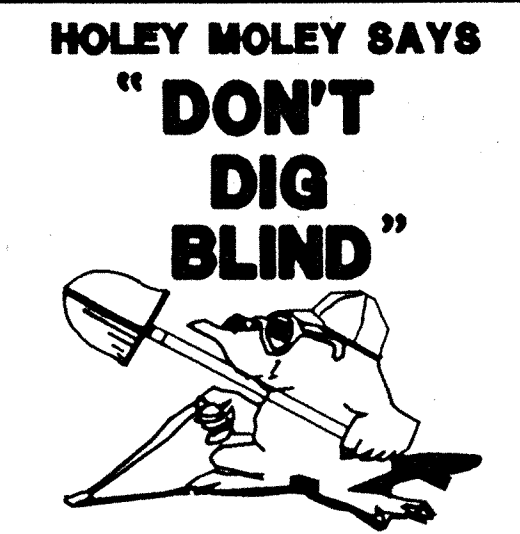
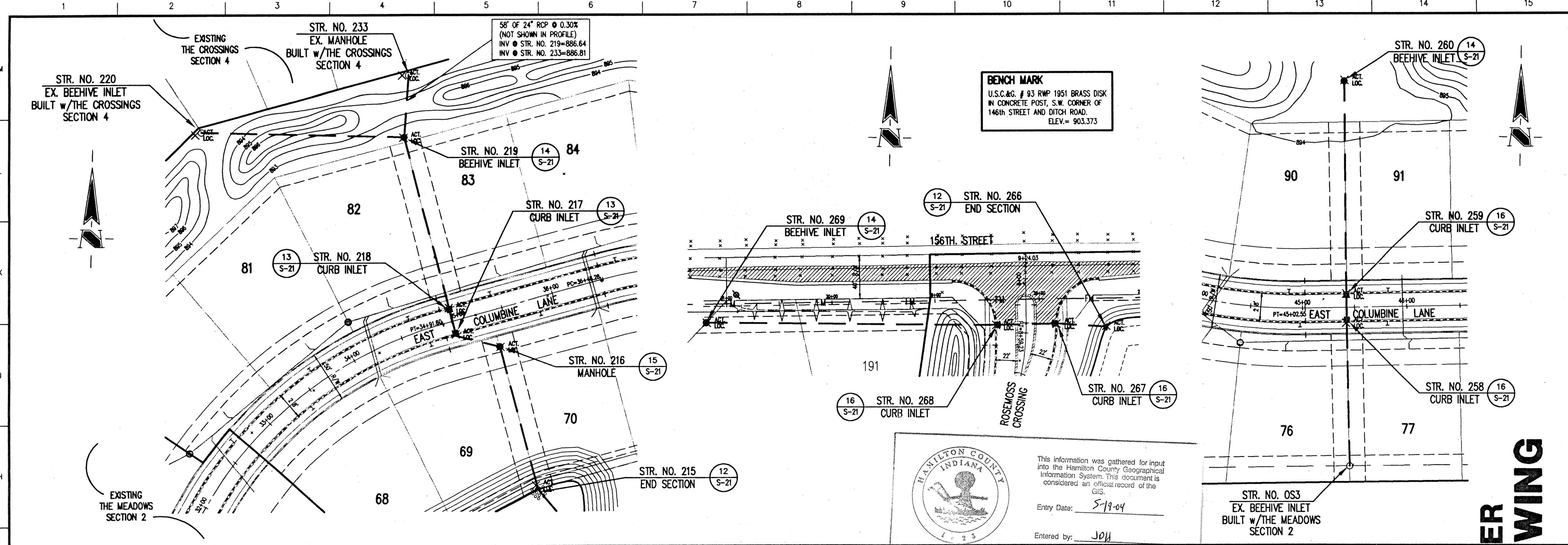
A Partnered Entity with Bohnen, Meyer, Gibson & Associates, Incorporated

BRENWICK DEVELOPMENT CO. INC.  
 THE MEADOWS SECTION 3  
 AT SPRINGMILL VILLAGES

**STORM PLAN AND PROFILE**

Date	Project No.	Drawn	Apprv.
1/25/95	895.13	BGG	

Computer Files	Sheet No.
89513SM1 XREF: 89513DVI	<b>S-15</b>



**HOLEY MOLEY SAYS**  
**"DON'T DIG BLIND"**  
 1-800-382-5544  
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  6. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**HAMILTON COUNTY INDIANA**

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: 5-19-04  
 Entered by: J011

**STORM SEWER PLAN**

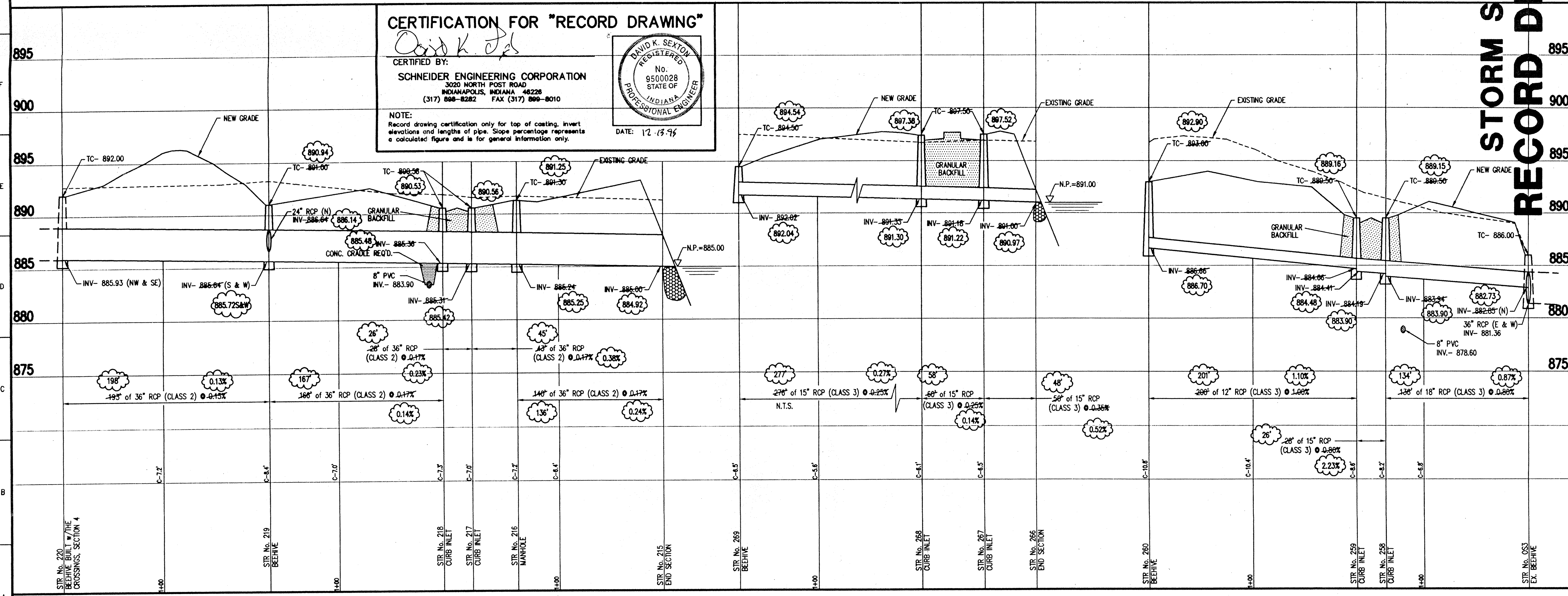
SCALE: 1"=50'

**CERTIFICATION FOR "RECORD DRAWING"**

CERTIFIED BY: *David K. Sexton*

**DAVID K. SEXTON**  
 REGISTERED  
 No. 9500028  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 DATE: 12-13-95

NOTE: Record drawing certification only for top of casing, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.



**STORM SEWER RECORD DRAWING**

Revisions  
 3-23-95 REVISED PER TAC COMMENTS B.E.T.  
 12-13-95 STORM SEWER "RECORD DRAWING" B.E.T.

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A Partnered Entity with Bohlen, Meyer, Gibson & Associates, Incorporated


BRENNECK DEVELOPMENT CO. INC.  
 THE MEADOWS SECTION 3  
 AT SPRINGMILL VILLAGES

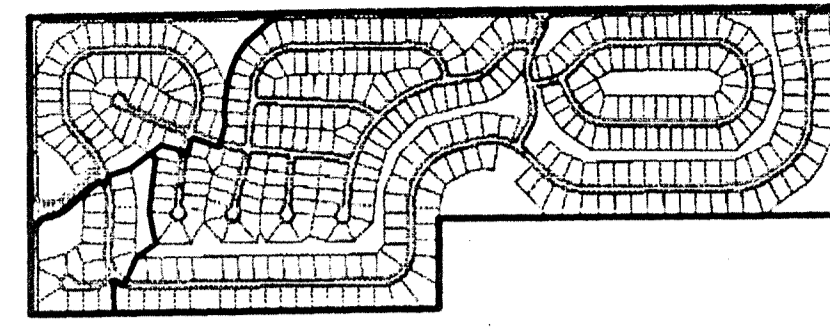
**STORM PLAN AND PROFILE**

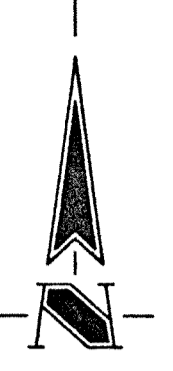
Date 1/25/95	Project No. 895.13	Drawn BGG	Apprv.
Computer Files 89513SM2 REF: 895130V1	Sheet No. <b>S-16</b>		

**STORM SEWER PROFILE**

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

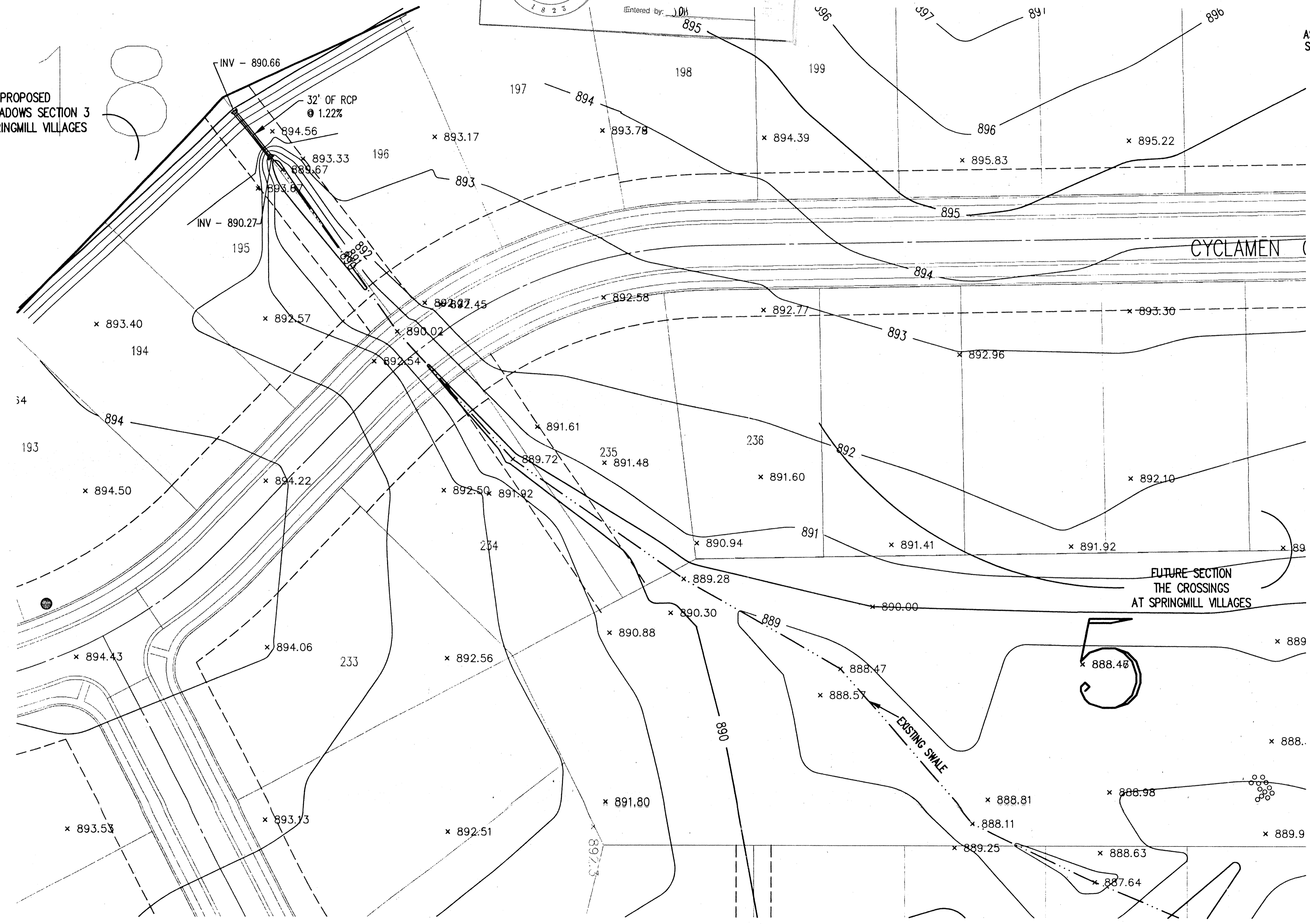

 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the County.  
 Entry Date: 5-19-01  
 Entered by: JDA  
 895



  
 ASSUMED NORTH  
 SCALE: 1"=30'

**HOLEY MOLEY SAYS**  
**"DON'T DIG BLIND"**  
  
**1-800-382-8544**  
 CALL TOLL FREE  
**1-800-428-8200**  
 FOR CALLS OUTSIDE OF INDIANA  
 PER INDIANA STATE LAW IS-08-1901,  
 IT IS AGAINST THE LAW TO EXCAVATE  
 WITHOUT NOTING THE UNDERGROUND  
 LOCATION SERVICE TWO (2) WORKING  
 DAYS BEFORE COMMENCING WORK.

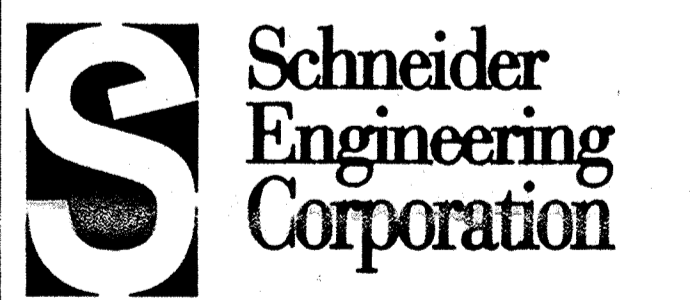
PROPOSED  
 THE MEADOWS SECTION 3  
 AT SPRINGMILL VILLAGES



**STORM SEWER RECORD DRAWING**

Revisions

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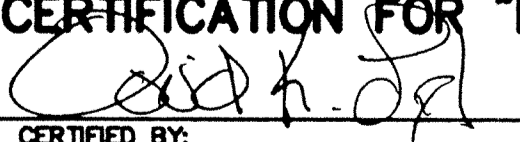
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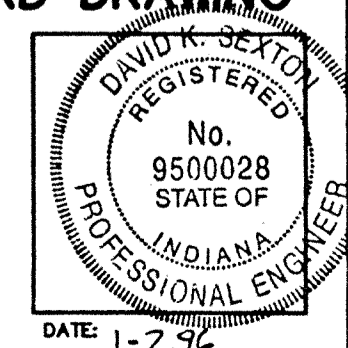
BRENNICK DEVELOPMENT CO. INC.  
 THE MEADOWS SECTION 3  
 AT SPRINGMILL VILLAGES

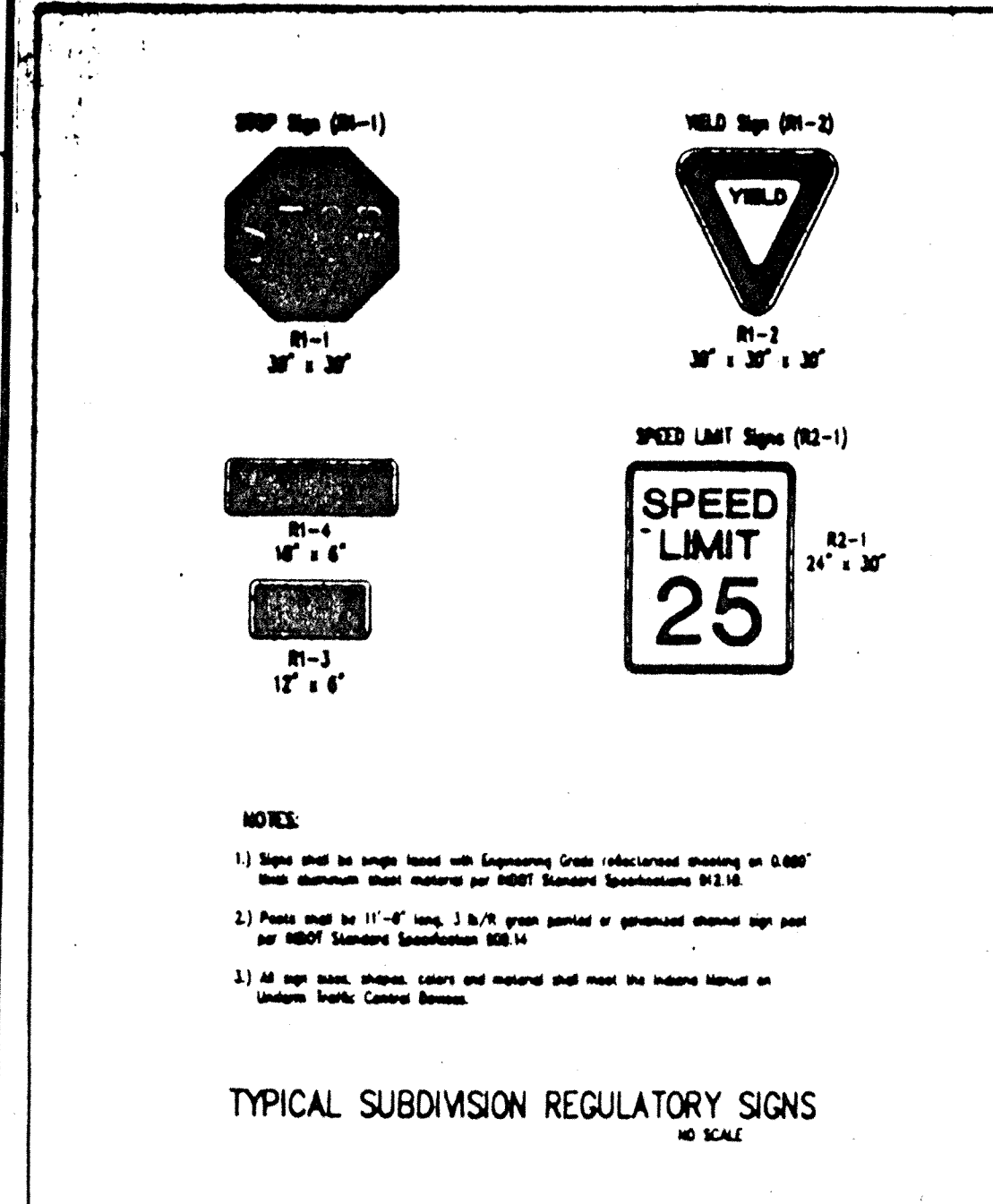
TEMPORARY OFF-SITE  
 DRAINAGE PLAN (ASBUILT)

Date	Project No.	Drawn	Approv.
1/03/96	89513	DTR	

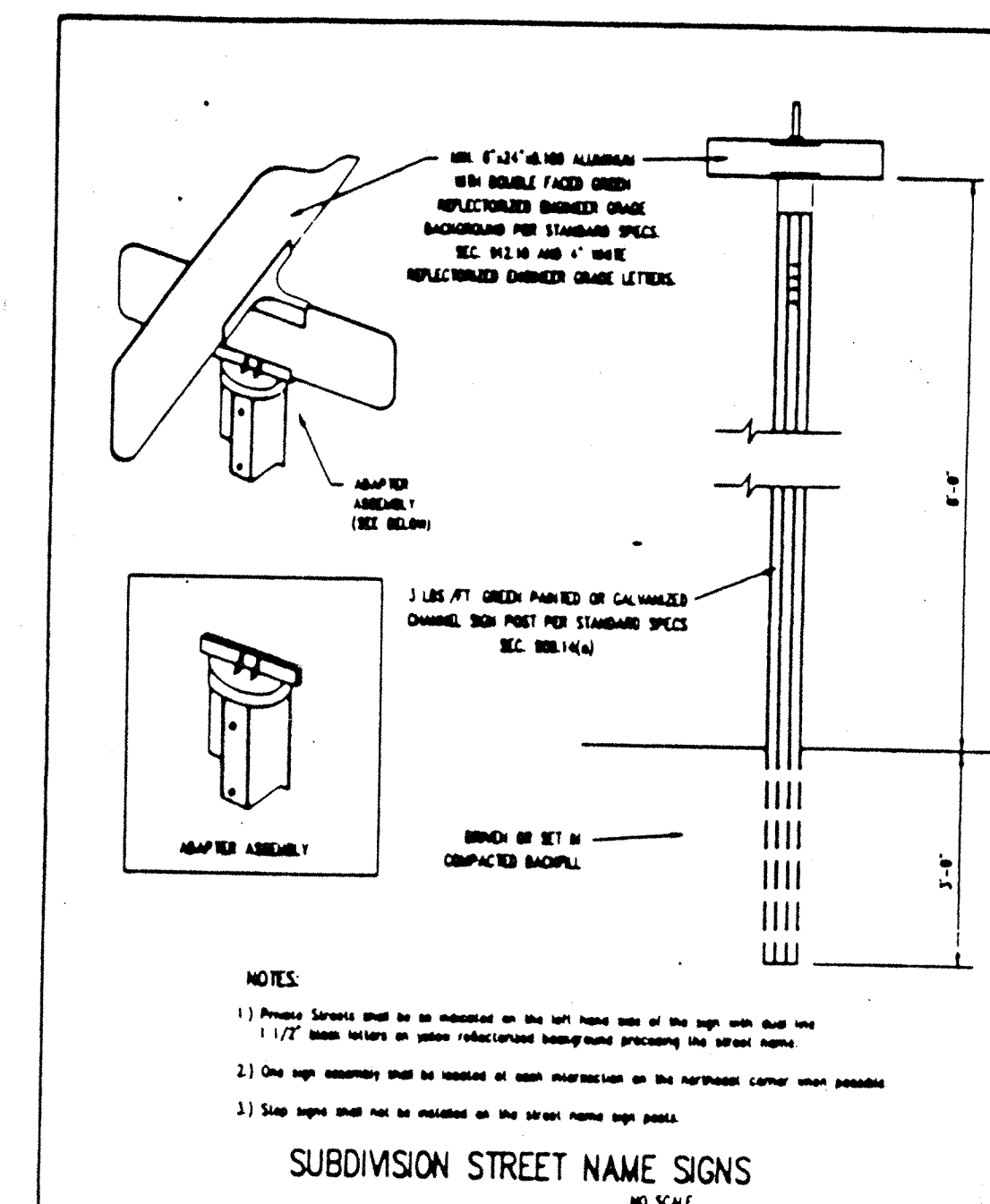
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**CERTIFICATION FOR "RECORD DRAWING"**  
  
 CERTIFIED BY:  
**SCHNEIDER ENGINEERING CORPORATION**  
 3020 NORTH POST ROAD  
 INDIANAPOLIS, INDIANA 46226  
 (317) 898-8282 FAX (317) 899-8010  
 NOTE:  
 Record drawing certification only for top of coating, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

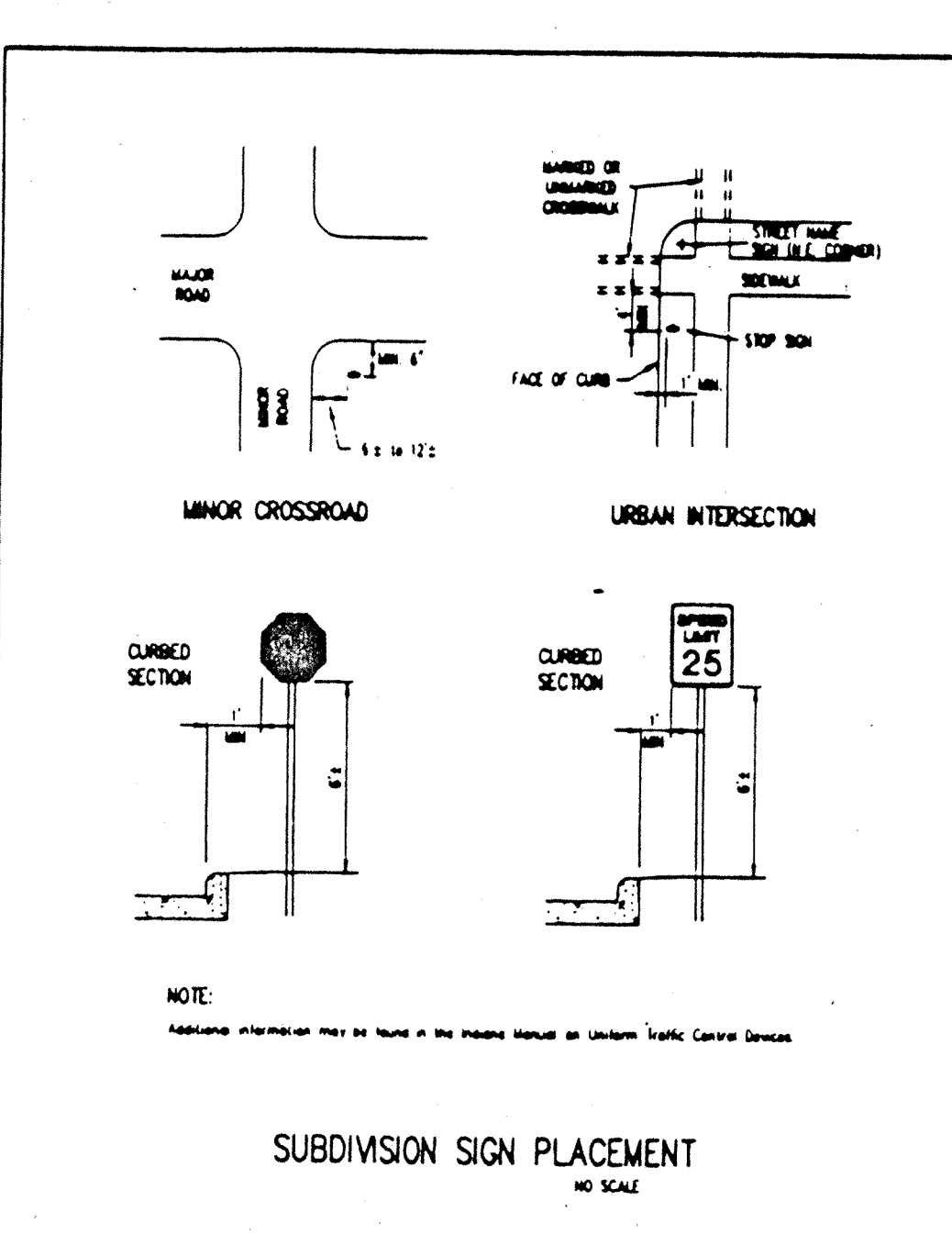




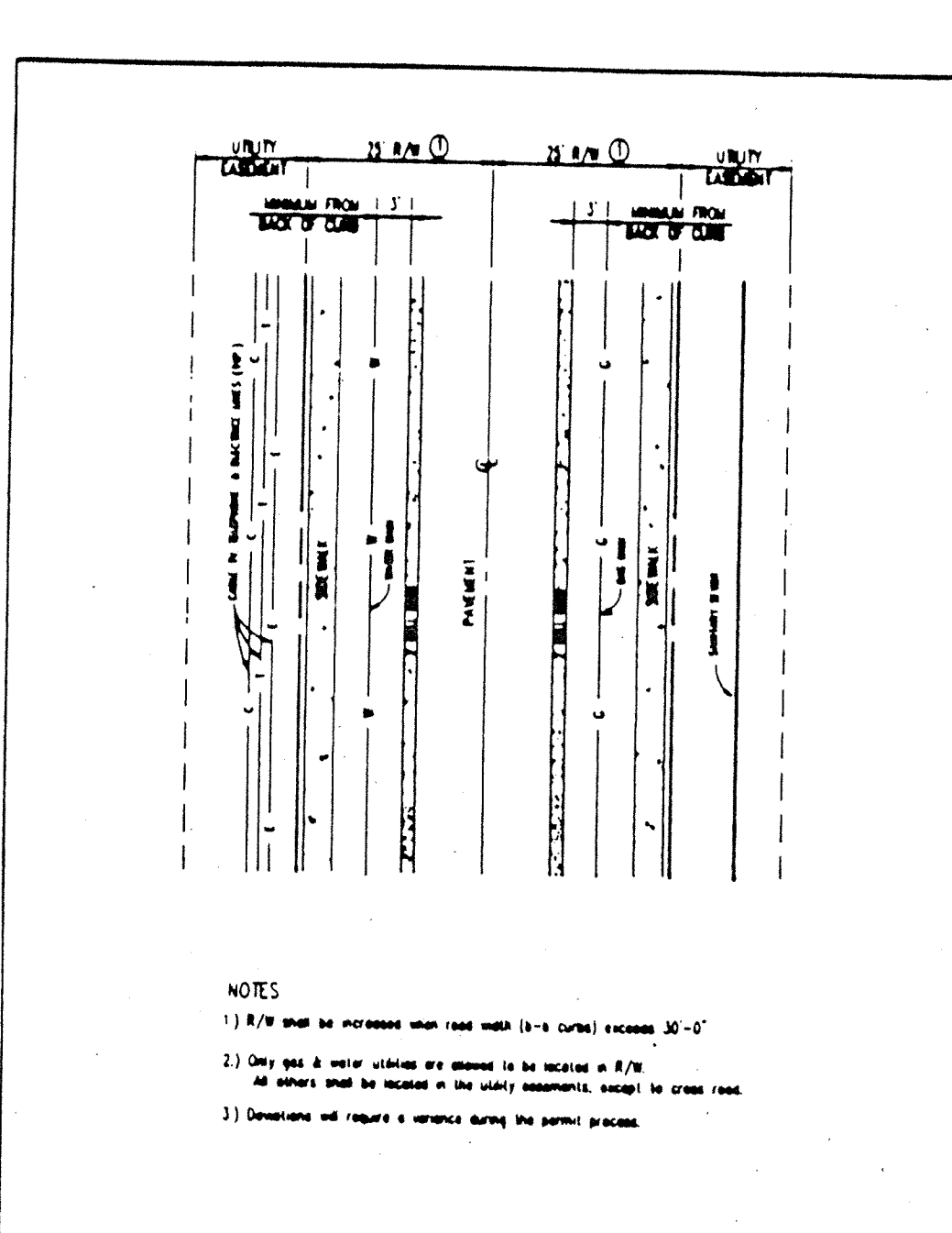
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RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN S-1



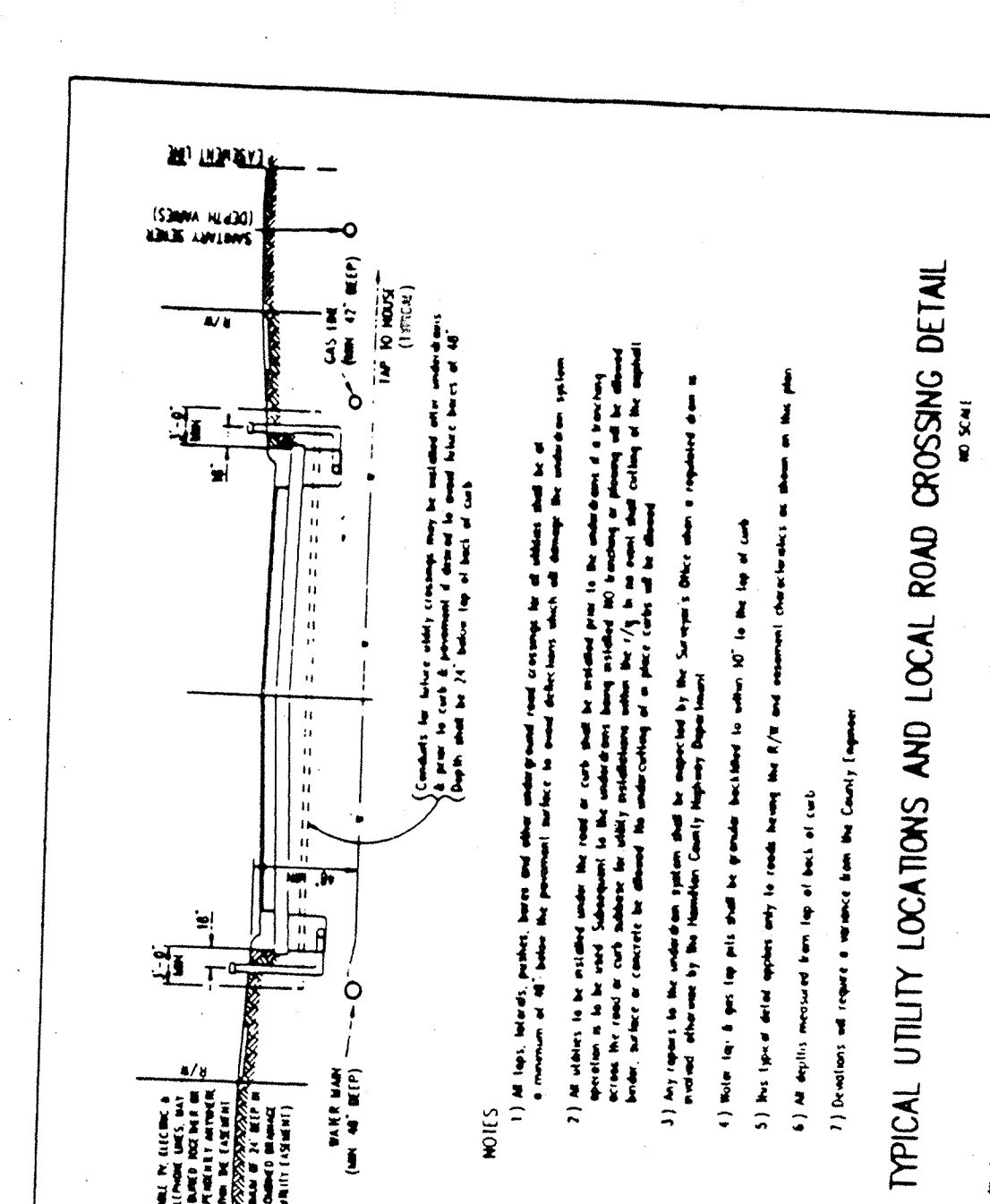
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APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN S-2



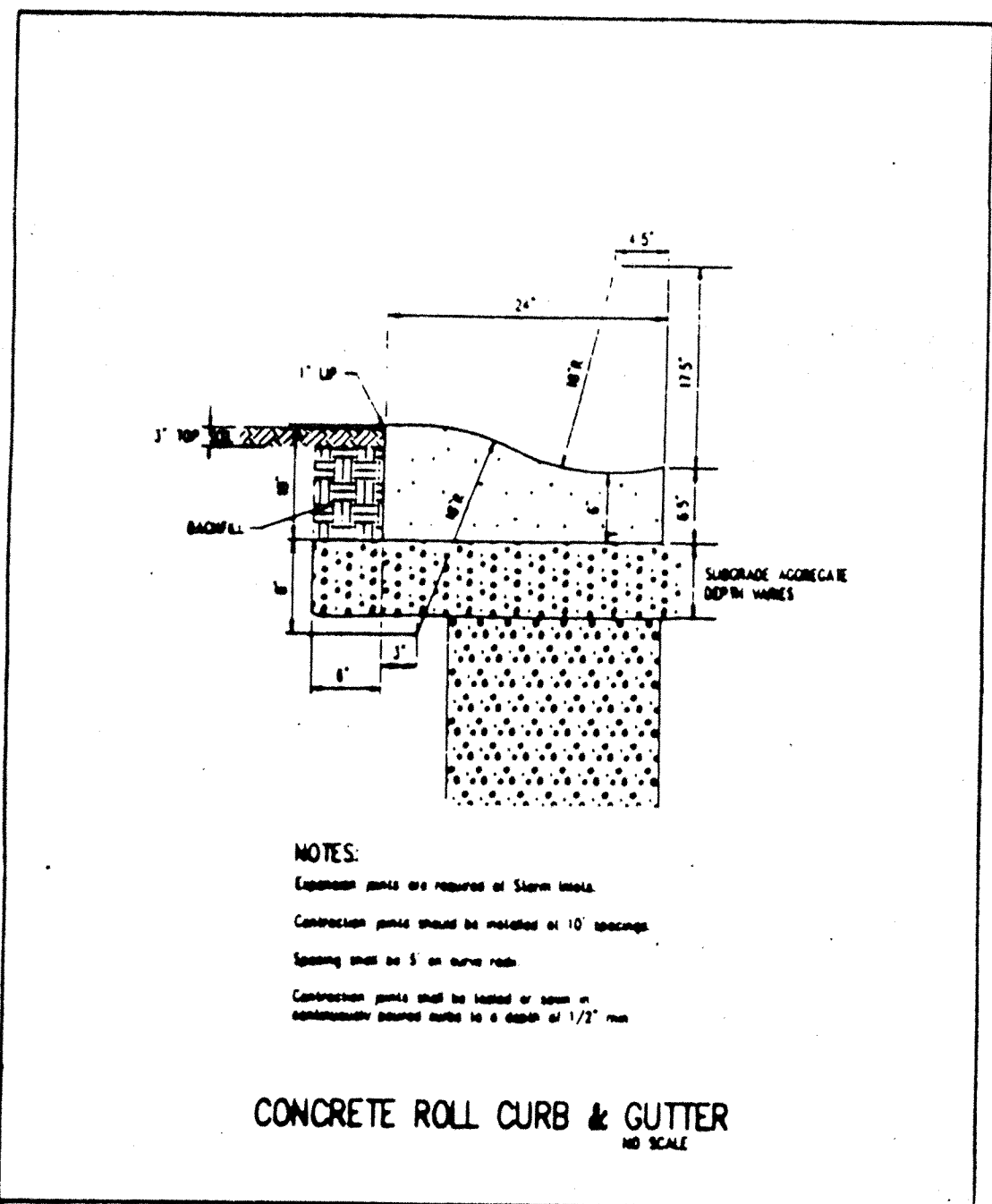
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APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN S-3



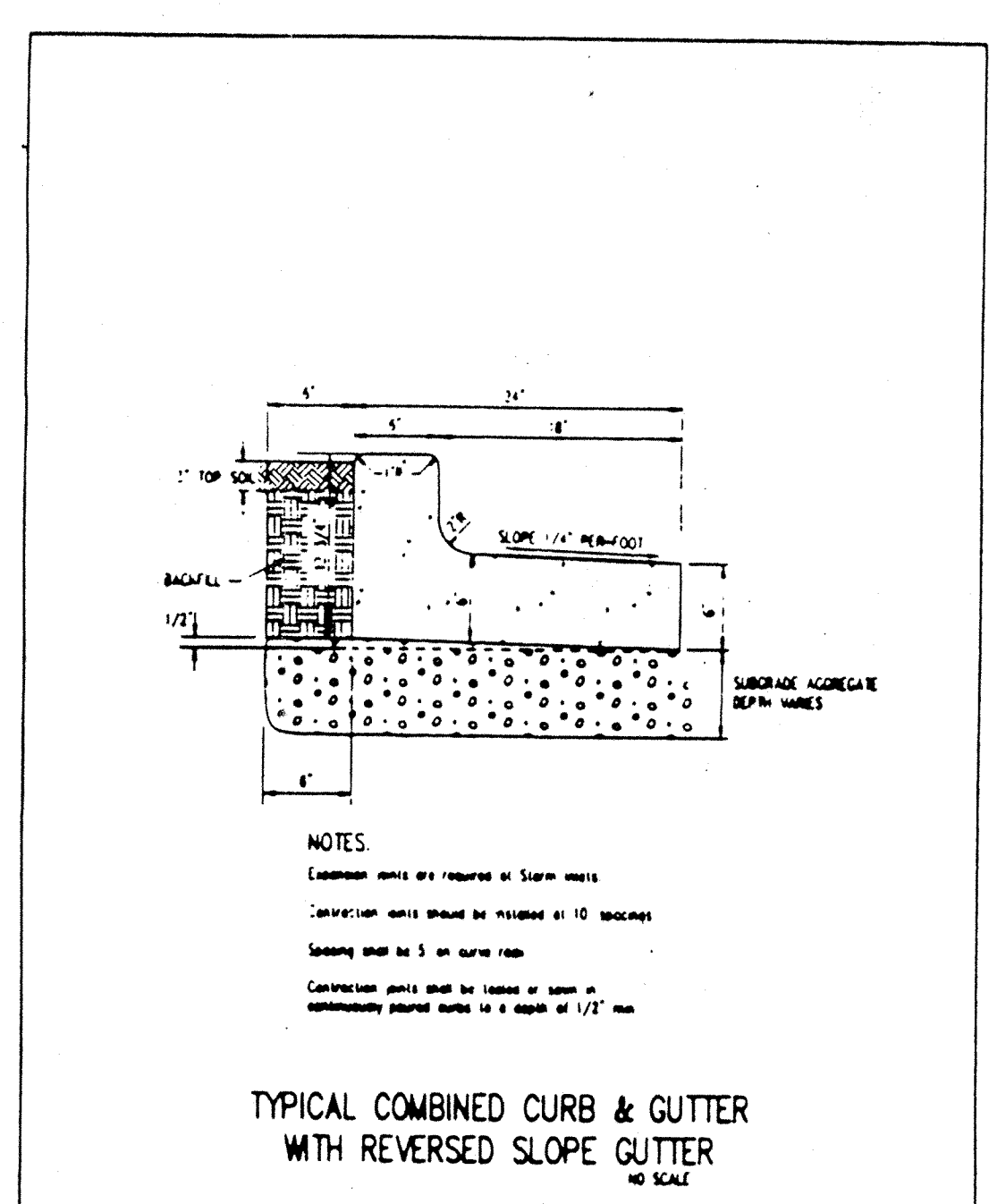
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RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN U-2



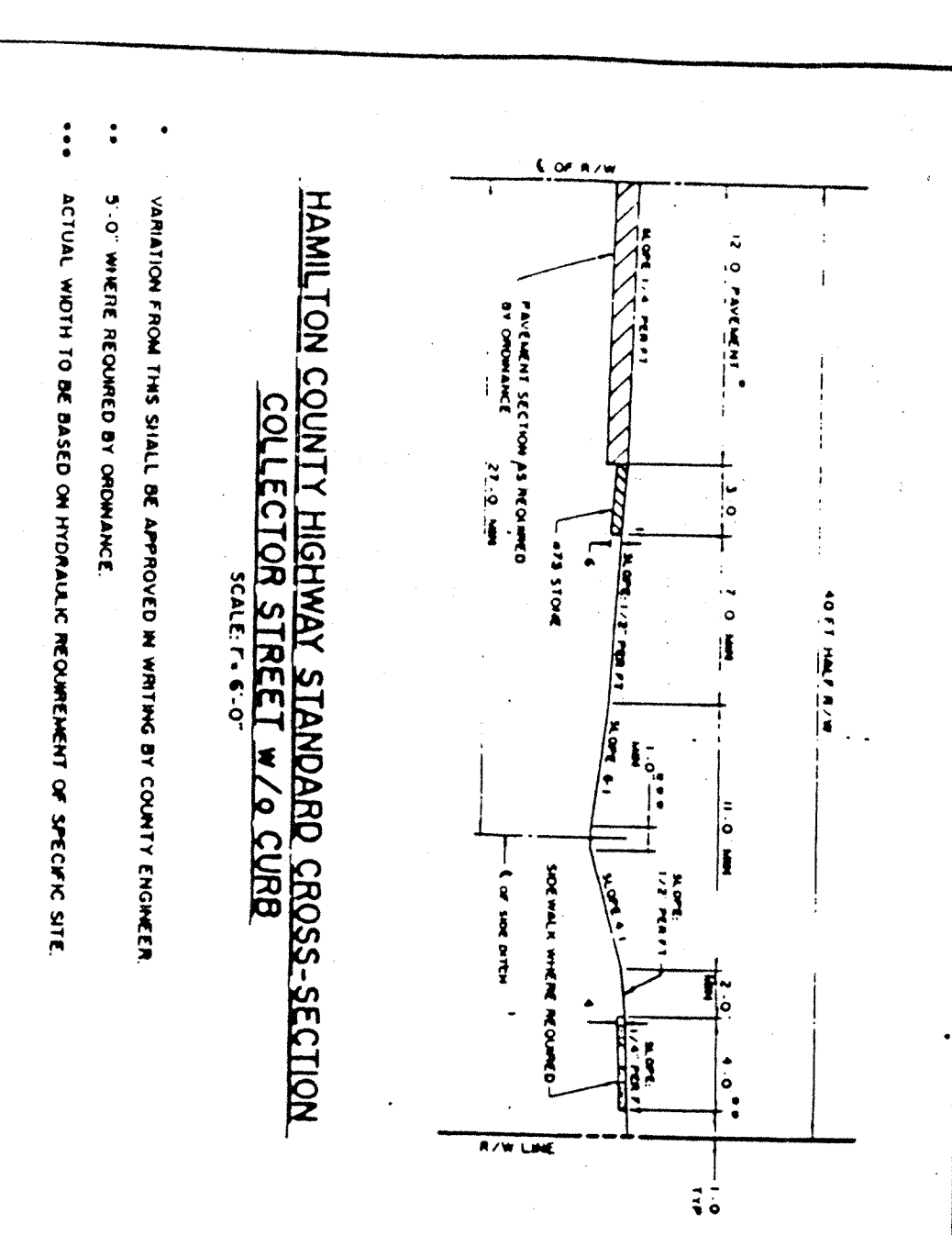
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RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN U-4



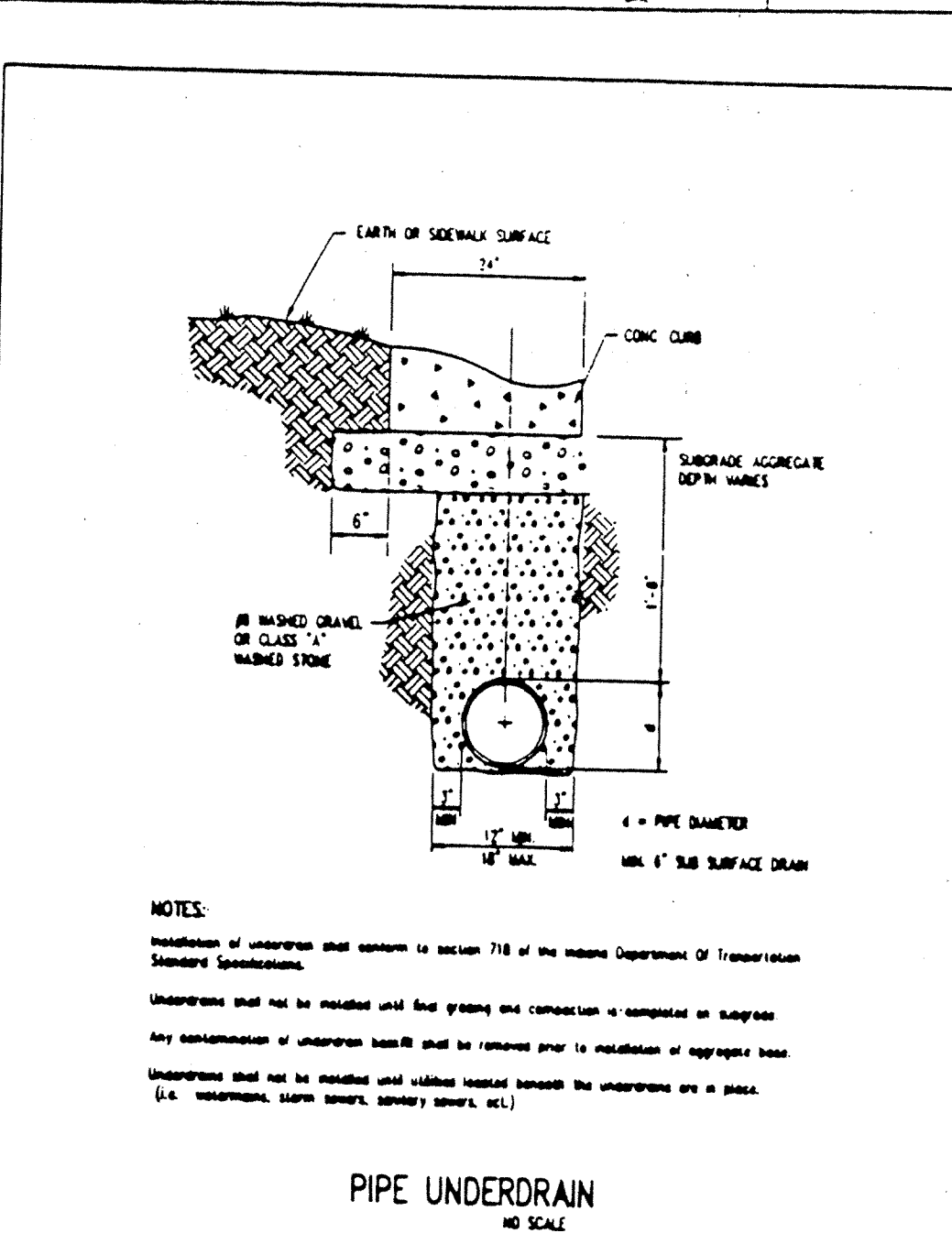
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RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN C-1



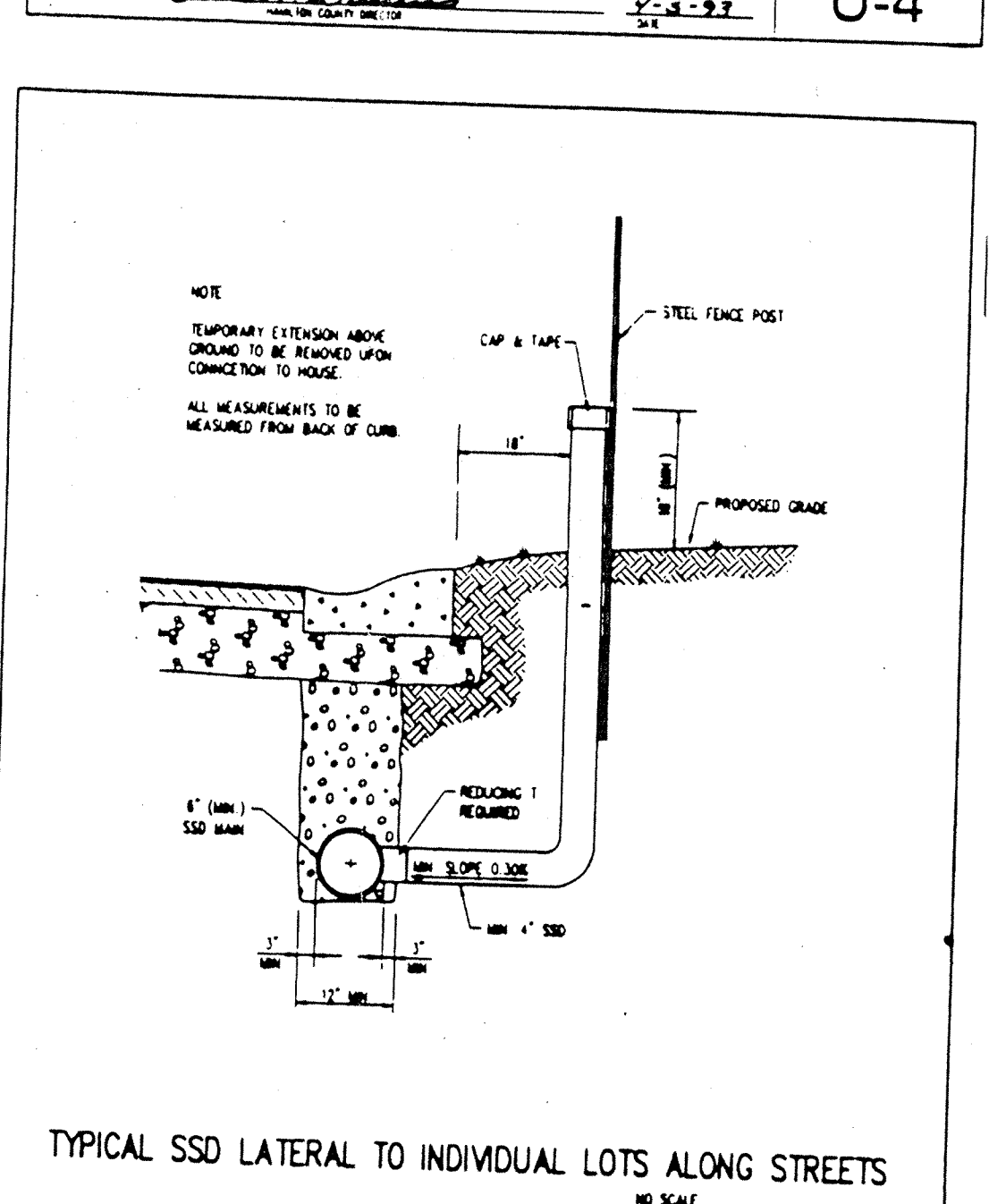
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RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN C-5



HAMILTON COUNTY HIGHWAY DEPARTMENT	
RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN CS-1



HAMILTON COUNTY HIGHWAY DEPARTMENT	
RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN P-1



HAMILTON COUNTY SURVEYORS OFFICE	
RECOMMENDED BY: <i>[Signature]</i> 4-5-92	REVISED BY: <i>[Signature]</i> 4-5-92
APPROVED BY: <i>[Signature]</i> 4-5-92	STANDARD PLAN

Revisions

# STORM ASBUILT

12.13.95

DAVID K. SEATON REGISTERED PROFESSIONAL ENGINEER  
NO. 9500088 STATE OF INDIANA

CERTIFIED BY: *[Signature]* 12-13-95

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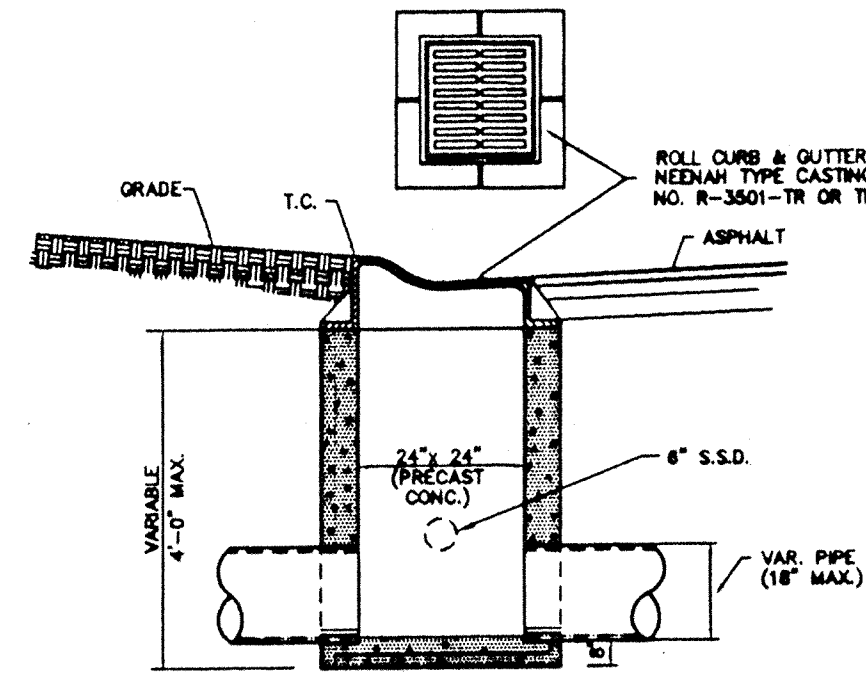
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BRENNICK DEVELOPMENT CO. INC.  
THE MEADOWS SECTION 3  
AT SPRINGMILL VILLAGES

HAMILTON COUNTY DETAILS

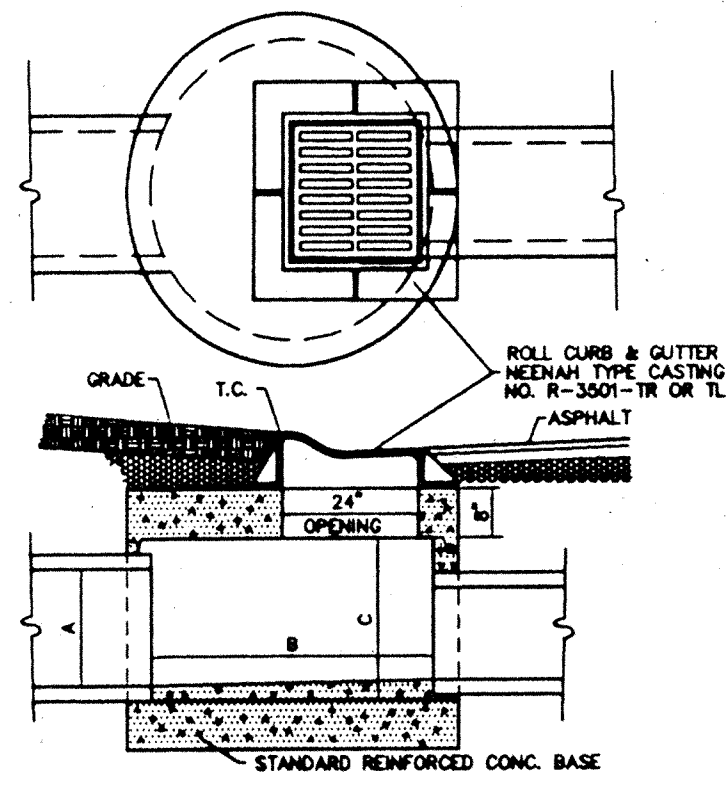
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1/25/95	895.23	GSD	

Computer Files	Sheet No.
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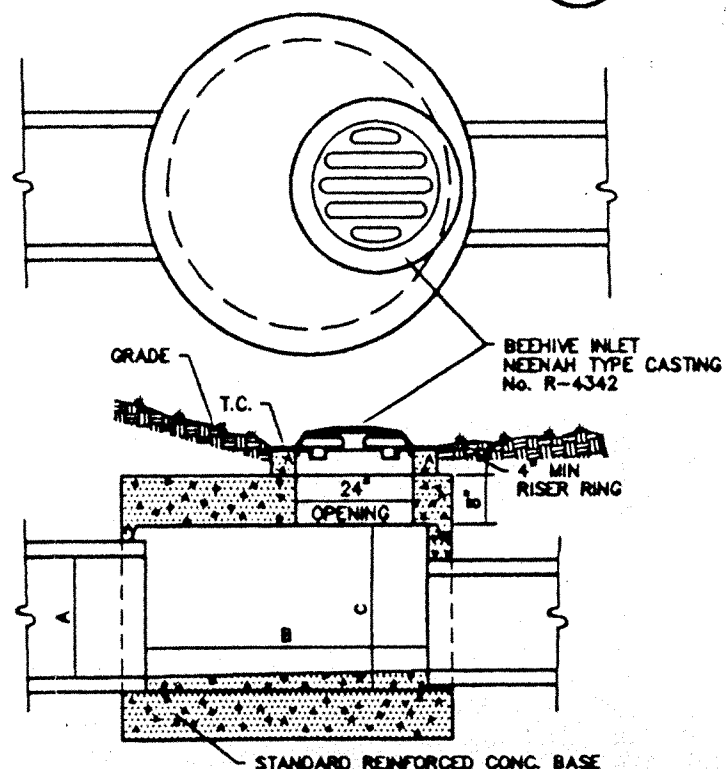
**ROLL CURB INLET** 16  
S-21

NOTE:  
ALL STRUCTURES 3' OF GREATER SHALL BE ACCESSIBLE WITH STEPS. THE FIRST STEP SHALL BE PLACED 18" BELOW THE TOP OF CASTING, FOLLOWED BY 16" THEREAFTER.



**ROLL CURB INLET** 13  
S-21

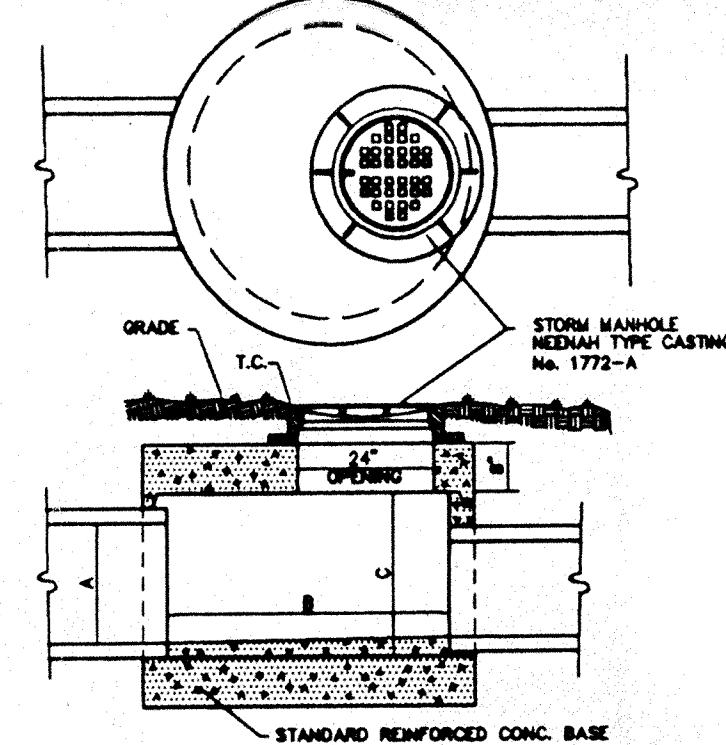
DIMENSIONS (INCHES)		
(MAX)	(D)	(MIN)
12	36	18
18	48	24
24	60	30
30	72	36
36	84	42
42	96	48



**BEEHIVE INLET DETAIL** 14  
S-21

DIMENSIONS (INCHES)		
(MAX)	(D)	(MIN)
12	36	18
18	48	24
24	60	30
30	72	36
36	84	42
42	96	48

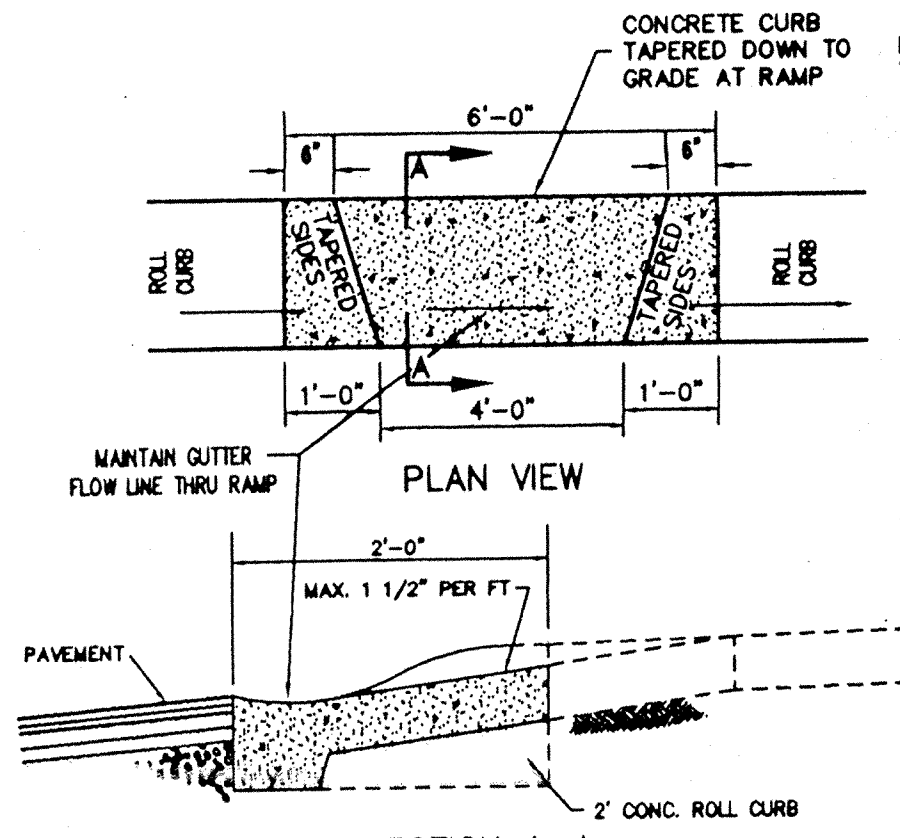
NOTE:  
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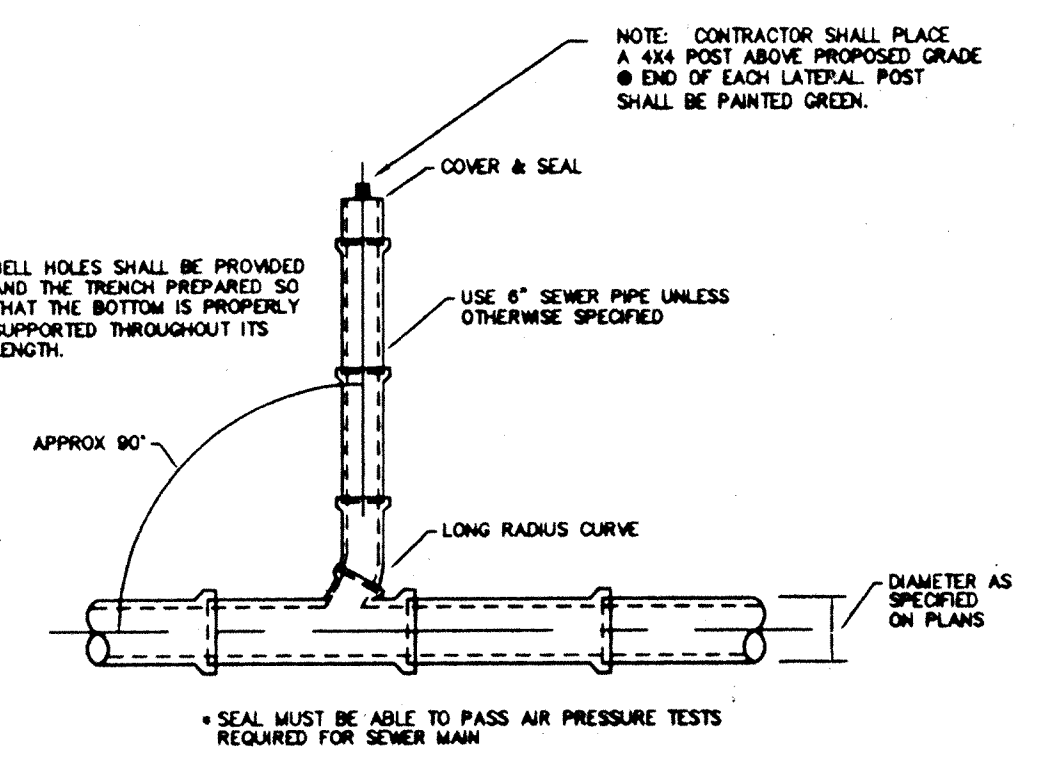
**STORM MANHOLE DETAIL** 15  
S-21

DIMENSIONS (INCHES)		
(MAX)	(D)	(MIN)
12	36	18
18	48	24
24	60	30
30	72	36
36	84	42
42	96	48

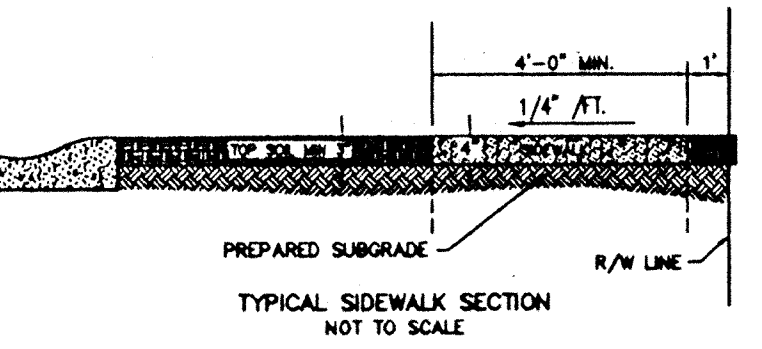
NOTE:  
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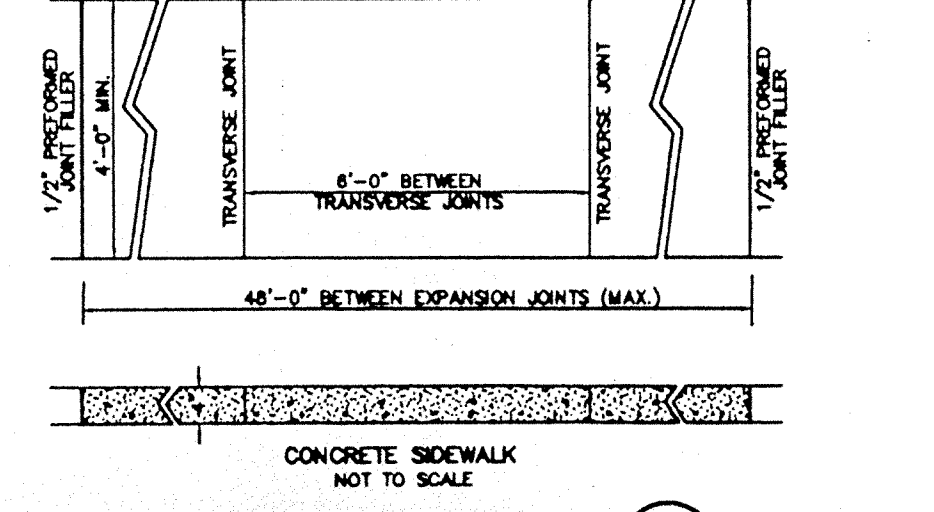
**WHEELCHAIR RAMP DETAIL** 19  
S-21



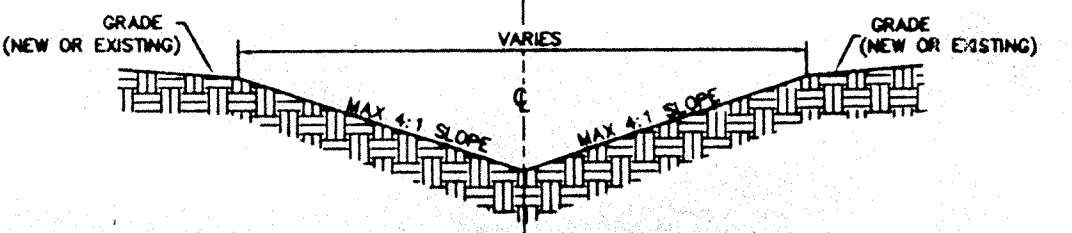
**WYE & LATERAL CAPPING DETAIL** 9  
S-21



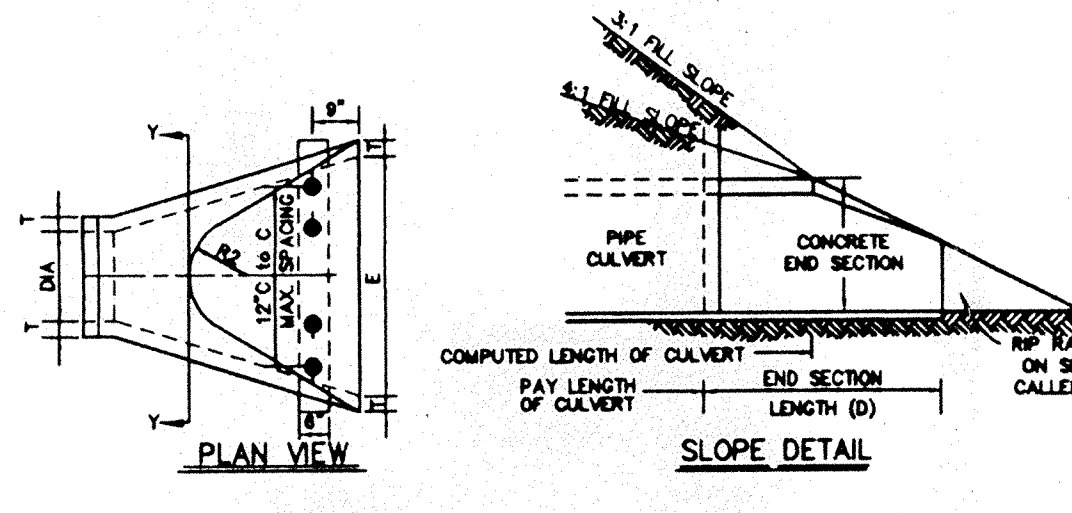
**TYPICAL SIDEWALK SECTION**  
NOT TO SCALE



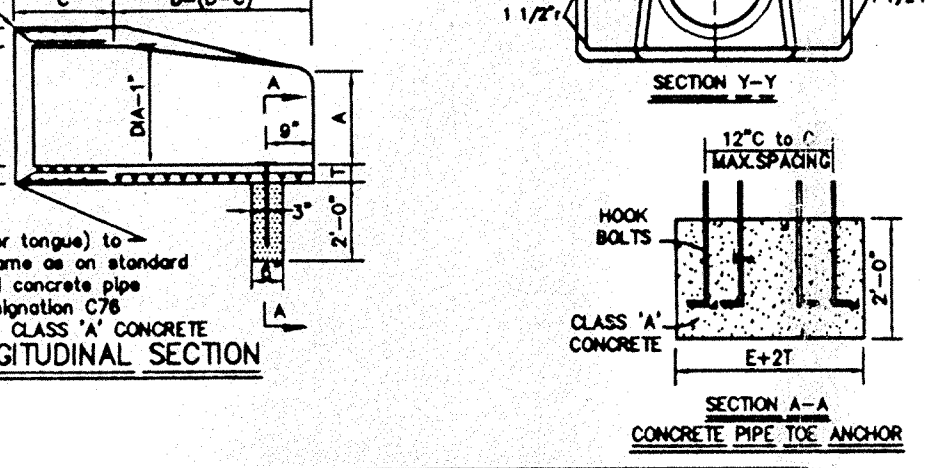
**SIDEWALK DETAIL** 10  
S-21



**TYPICAL SWALE SECTION** 11  
S-21



**PRECAST CONCRETE END SECTION** 12  
S-21

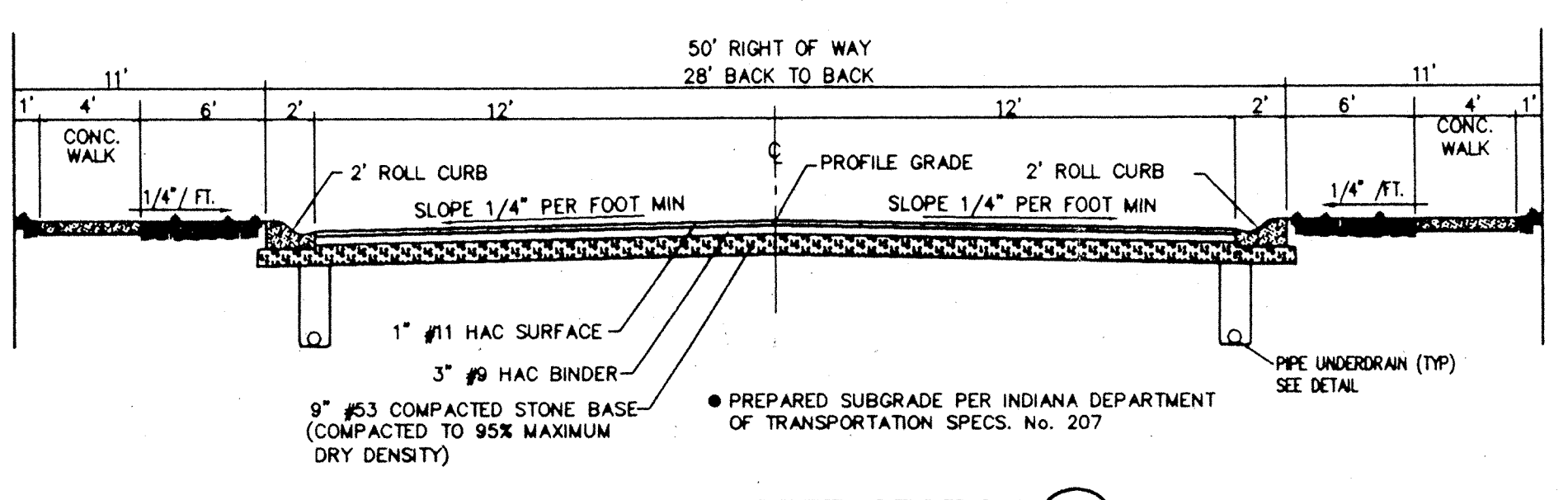


**CONCRETE CRADLE** 6  
S-21

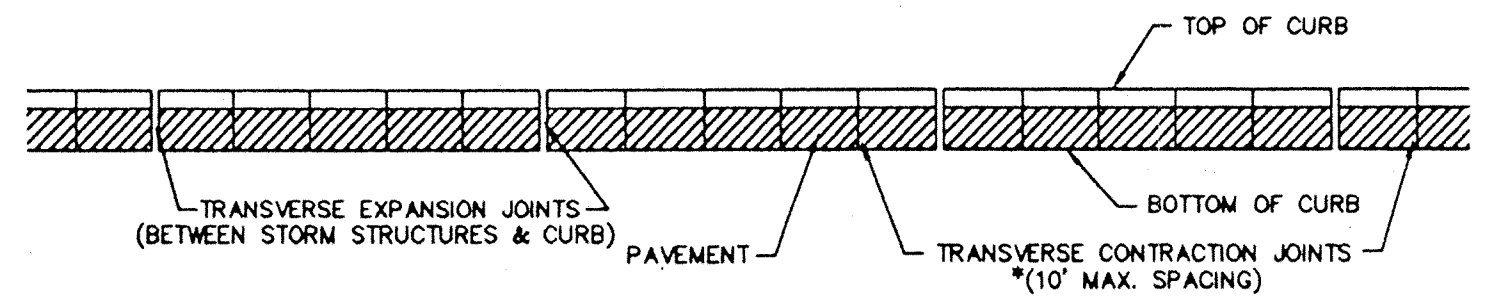
DIMENSIONS OF CONCRETE END SECTIONS FOR ROUND PIPE										
DIA	T	A*	C*	D*	E*	K	R <sub>1</sub>	R <sub>2</sub>	APPROX WEIGHT	
12"	2"	5"	4'-3"	8'-2"	2'-0"	1.3	10 1/8"	9"	800	
15"	2 1/4"	7"	4'-0"	8'-3"	2'-6"	1.5	12 1/2"	11"	1,100	
18"	2 1/2"	11"	4'-1"	8'-2"	3'-0"	1.8	15 1/2"	12"	1,300	
21"	3 3/4"	11"	3'-6"	8'-3"	3'-6"	2.1	16 1/8"	13"	1,500	
24"	3"	1'-0"	2'-8"	8'-3"	4'-0"	2.3	18 3/8"	14"	1,800	
27"	3 1/4"	1'-1"	2'-5"	8'-3"	4'-6"	2.8	18 1/2"	14 1/2"	2,100	
30"	3 1/2"	1'-2"	1'-10"	8'-3"	5'-0"	2.9	18 3/4"	15"	2,400	
33"	3 3/4"	1'-3"	3'-6"	8'-3"	5'-6"	3.1	18 1/2"	17 1/2"	4,100	
36"	4"	1'-5"	3'-1"	8'-3"	6'-0"	3.4	23 3/4"	20"	4,200	

\* TOLERANCE +/- 1"

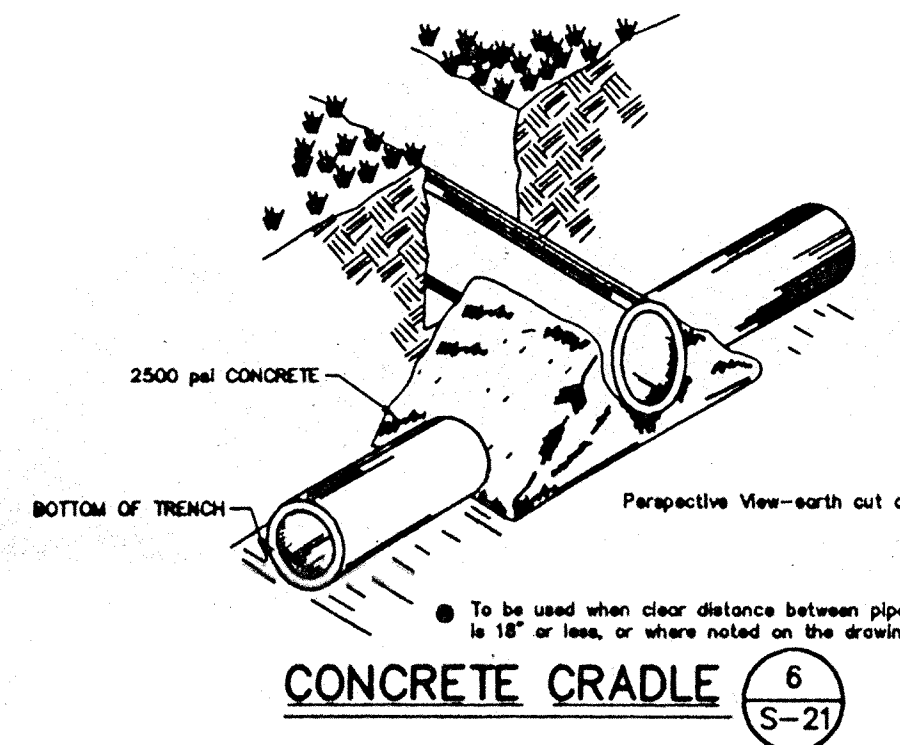
**PRECAST CONCRETE END SECTION** 12  
S-21



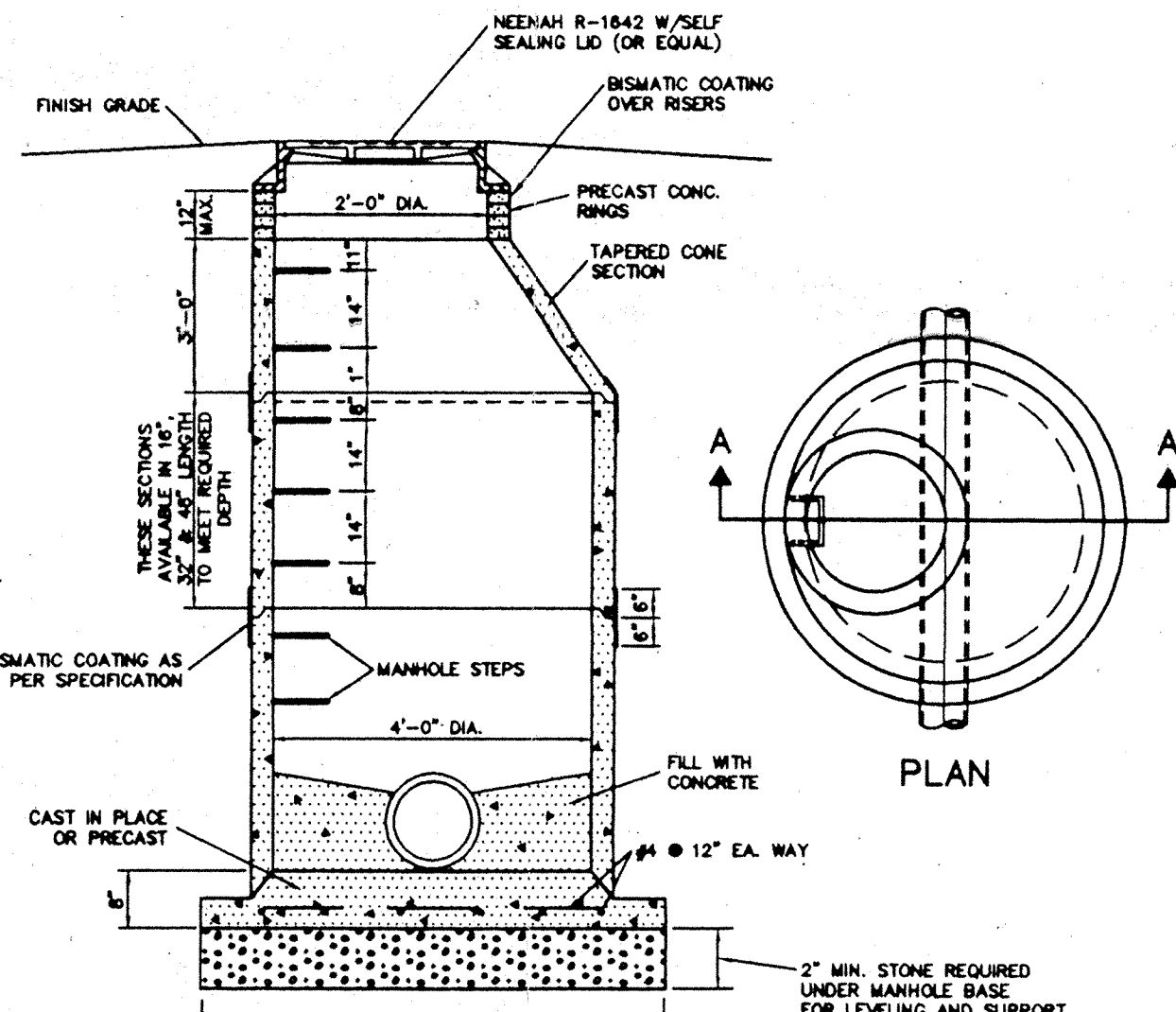
**TYPICAL STREET SECTION** 1  
S-21



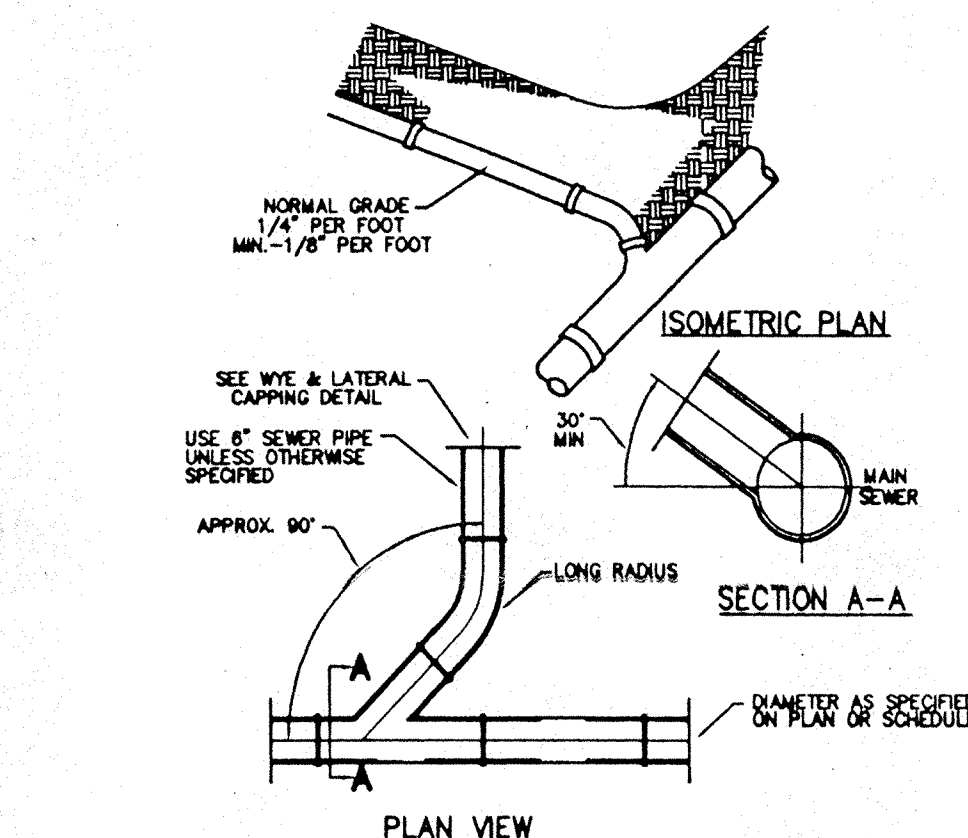
**CURB JOINT DETAIL** 3  
S-21



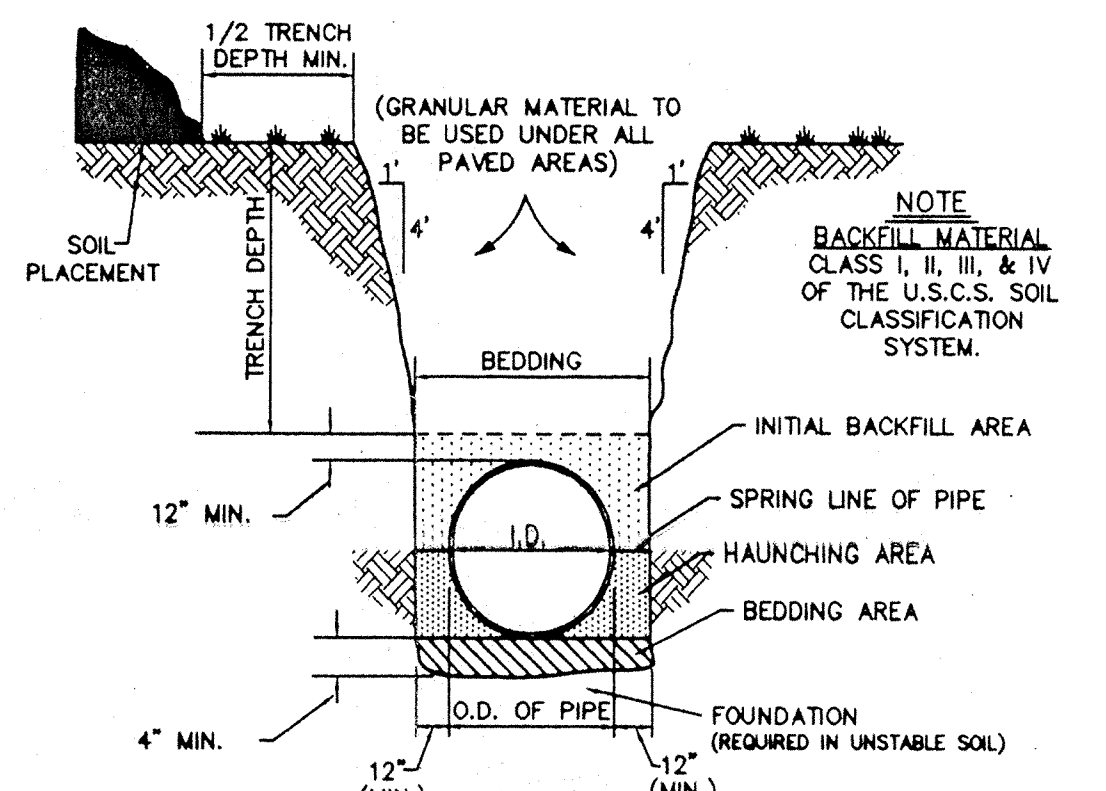
**TYPICAL UTILITY CROSSING** 7  
S-21



**SANITARY MANHOLE DETAIL** 4  
S-21



**CONNECTION TO MAIN SEWER** 8  
S-21



**TRENCH & PIPE EMBEDMENT DETAIL** 5  
S-21

**STORM**  
AsBUILT  
12-13-95

DAVID K. SEATON  
REGISTERED  
No. 000028  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
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**GENERAL DETAILS**

Date	Project No.	Drawn	Approved
1/25/95	895.13	GSD	

Computer Files SHEET  
S-21