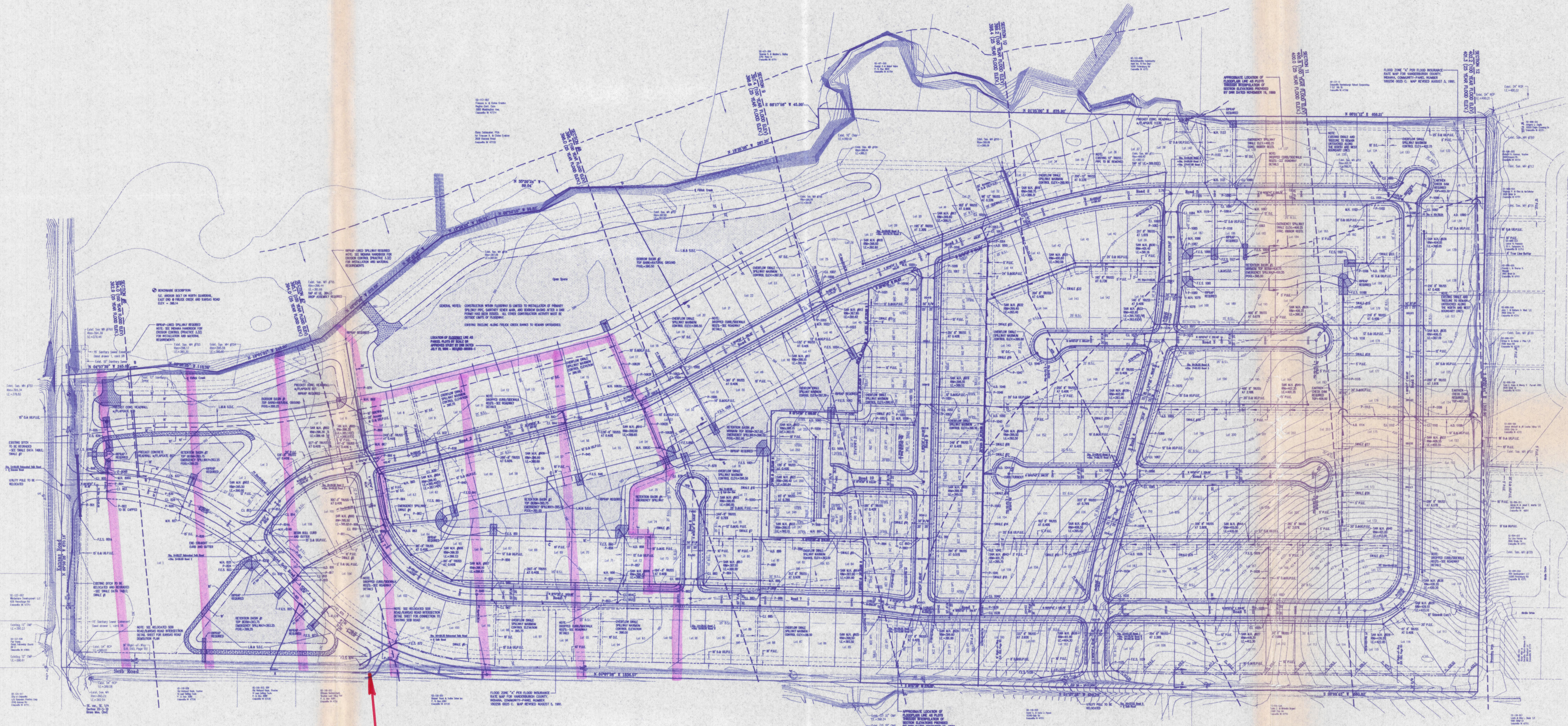


SCALE 1" = 120'

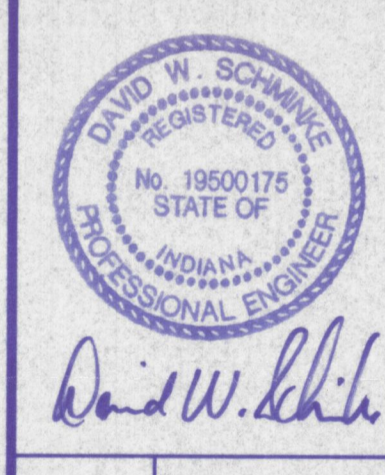


Approved
Section 2
2/28/00

Morley and Associates, Inc.
Consulting Engineers/Surveyors/Architects
600 S.E. Sixth Street
Evansville, Indiana 47713
(812) 464-9585

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No.	By	Date	Description



Project: Stonecreek Subdivision - Section
Sheet Title: Utility/Drainage Plan Overall
Scale: 1"=120'

Designed By: R.S.L. Job Number: 4255-4(C)
Drawn By: G.A.H. Date: 09/05/00
Filename: J:\4255\CIVIL3\BASE2.dwg
Sheet Number: 3

02-117-007
 Project: Stonecreek Subdivision
 City of Evansville, Indiana
 1800 Washington Ave.
 Evansville, IN 47714

Chris Schaefer, P.E.
 for Francis A. & Eileen Erwin
 1800 Washington Ave.
 Evansville, IN 47714



SECTION #7
 395.1 (100 YEAR FLOOD ELEV.)
 394.0 (25 YEAR FLOOD ELEV.)

SECTION #6
 394.0 (100 YEAR FLOOD ELEV.)
 392.9 (25 YEAR FLOOD ELEV.)

GENERAL NOTES:
 CONSTRUCTION WITHIN FLOODWAY IS LIMITED TO INSTALLATION OF PRIMARY SPILLWAY PIPE, SANITARY SEWER MAIN, AND BORROW BASINS. ALL OTHER CONSTRUCTION ACTIVITY MUST BE PERMITTED BY THE CITY ENGINEER. ALL OTHER CONSTRUCTION ACTIVITY MUST BE OUTSIDE LIMITS OF FLOODWAY.
 EXISTING FREELINE ALONG FRICK CREEK BANKS TO REMAIN UNTOUCHED.

LOCATION OF FLOODWAY LINE AS PARCEL PLOTS BY SCALE ON APPROVED STUDY BY DATE DATED JULY 24, 1998 - REC-98-0040-1

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

BENCHMARK DESCRIPTION:
 S.E. ANCHOR BOLT ON NORTH CURB/RAIL EAST END OF FRICK CREEK AND KANSAS ROAD ELEV. = 398.14

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

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 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

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 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
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RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

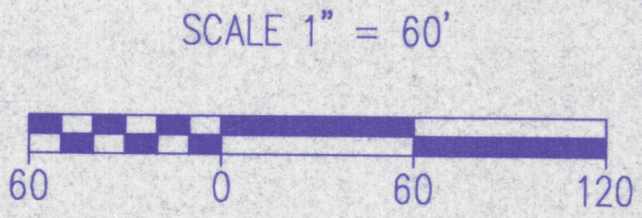
RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

RRRAP-LINED SPILLWAY REQUIRED
 NOTE: SEE INDIANA HANDBOOK FOR EROSION CONTROL (PRACTICE 3.32) FOR INSTALLATION AND MATERIAL REQUIREMENTS

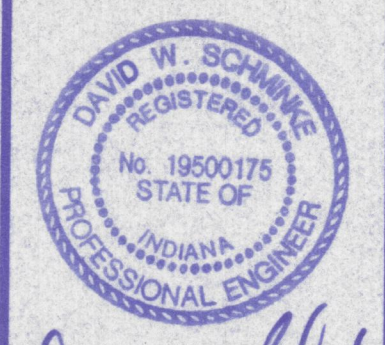
FLOOD ZONE "A" FEE FLOOD INSURANCE RATE MAP FOR VANDERBURGH COUNTY, INDIANA, COMMUNITY-PANEL NUMBER 180256 0025 C. MAP REVISED AUGUST 5, 1991.



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 Evansville, Indiana 47713
 (812) 464-9586

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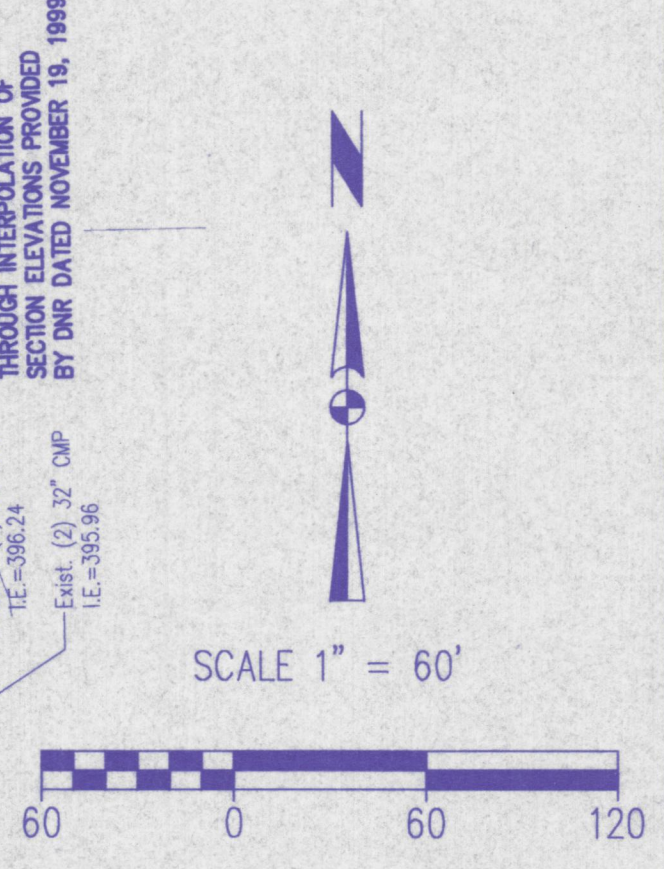
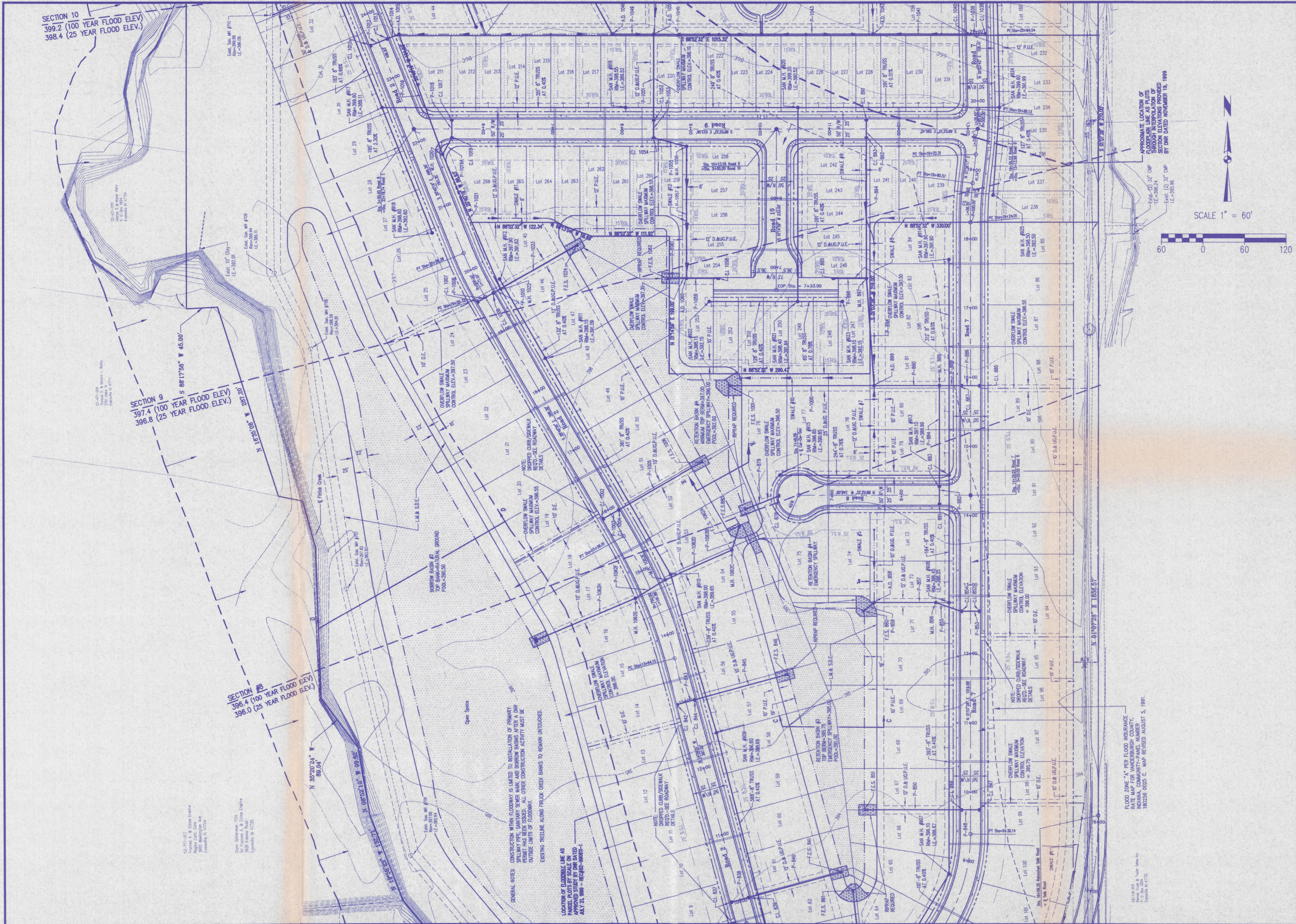
No.	By	Date	Description



David W. Schilling

Project: Stonecreek Subdivision - Section
 Sheet Title: Utility/Drainage Plan
 Sheet #1

Scale: 1"=60'
 Designed By: R.S.L. Job Number: 4255-4(G)
 Drawn By: G.A.H. Date: 09/05/00
 File Name: J:\4255\DWG\4255SHT1.dwg
 Sheet Number: 4



APPROXIMATE LOCATION OF FLOODPLAIN LINE AS SHOWN ON MAP OF FLOODPLAIN SECTION ELEVATIONS PROVIDED BY DNR DATED NOVEMBER 19, 1999

SECTION 9
397.4 (100 YEAR FLOOD ELEV.)
396.8 (25 YEAR FLOOD ELEV.)

SECTION 10
399.2 (100 YEAR FLOOD ELEV.)
398.4 (25 YEAR FLOOD ELEV.)

SECTION #8
396.4 (100 YEAR FLOOD ELEV.)
396.0 (25 YEAR FLOOD ELEV.)

GENERAL NOTES: CONSTRUCTION WITHIN LOT BOUNDARIES IS LIMITED TO INSTALLATION OF PRIMARY WATER MAINS, SEWER MAINS AND BORROW BASINS AFTER A DNR PERMIT HAS BEEN ISSUED. ALL OTHER CONSTRUCTION ACTIVITY MUST BE OUTSIDE LIMITS OF FLOODPLAIN.

LOCATION OF ELONGAX LINE AS SHOWN ON MAP OF FLOODPLAIN SECTION ELEVATIONS PROVIDED BY DNR DATED NOVEMBER 19, 1999

FLOOD ZONE "X" PER FLOOD INSURANCE RATE MAP FOR WANCHEBURGH COUNTY, INDIANA, 180228 0025 C. MAP REVISED AUGUST 5, 1991.

Morley and Associates, Inc.
Consulting Engineers/Surveyors/Architects
600 S.E. Sixth Street
Evansville, Indiana 47713
(812) 464-9585

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No.	By	Date	Description

DAVID W. SCHMIDT
REGISTERED PROFESSIONAL ENGINEER
No. 19500175
STATE OF INDIANA
David W. Schmidt

Project: Stonecreek Subdivision - Section
Sheet Title: Utility/Drainage Plan
Sheet #2

Scale: 1"=60'
Designed by: R.S.L. Job Number: 4255-4(C)
Drawn by: C.A.H. Date: 09/05/00
Filename: J:\4255\CIVIL\4255SH2.dwg
Sheet Number: 5

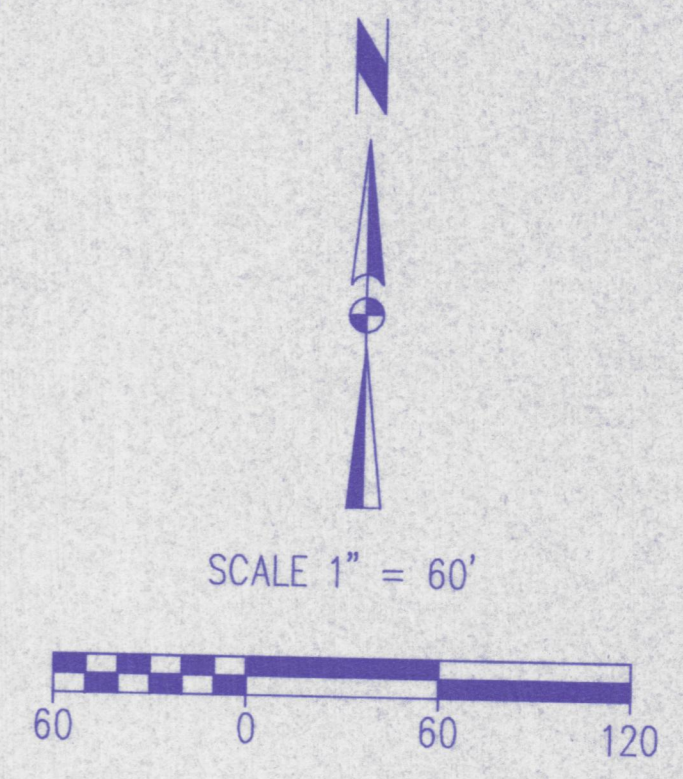
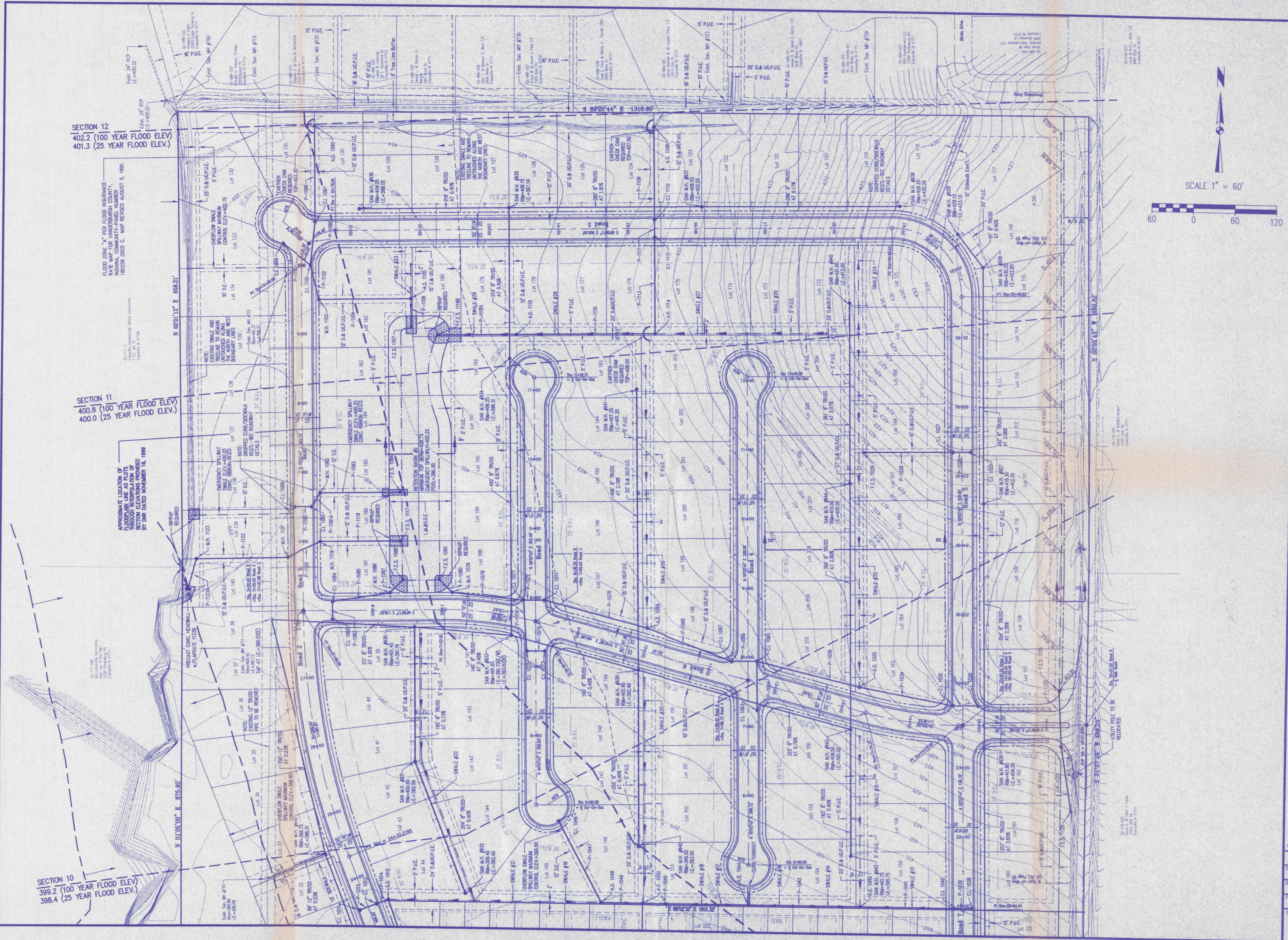
SECTION 10
399.2 (100 YEAR FLOOD ELEV.)
398.4 (25 YEAR FLOOD ELEV.)

SECTION 11
400.8 (100 YEAR FLOOD ELEV.)
400.0 (25 YEAR FLOOD ELEV.)

SECTION 12
402.2 (100 YEAR FLOOD ELEV.)
401.3 (25 YEAR FLOOD ELEV.)

FLOOD ZONE "A" FEE FLOOD INSURANCE
RATE MAP FOR VANDERBURGH COUNTY,
INDIANA, COMMUNITY-PANEL NUMBER
180256 0025 C. MAP REVISED AUGUST 5, 1991.

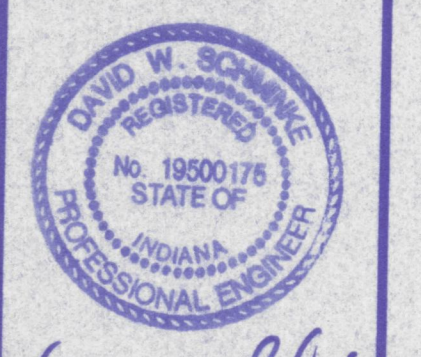
APPROXIMATE LOCATION OF
FLOODPLAIN LINE AS PLOTS
THROUGH INTERPOLATION OF
SECTION ELEVATIONS PROVIDED
BY DNR DATED NOVEMBER 19, 1989



Morley and Associates, Inc.
Consulting Engineers/Surveyors/Architects
600 S.E. Sixth Street
Evansville, Indiana 47713
(812) 494-9585

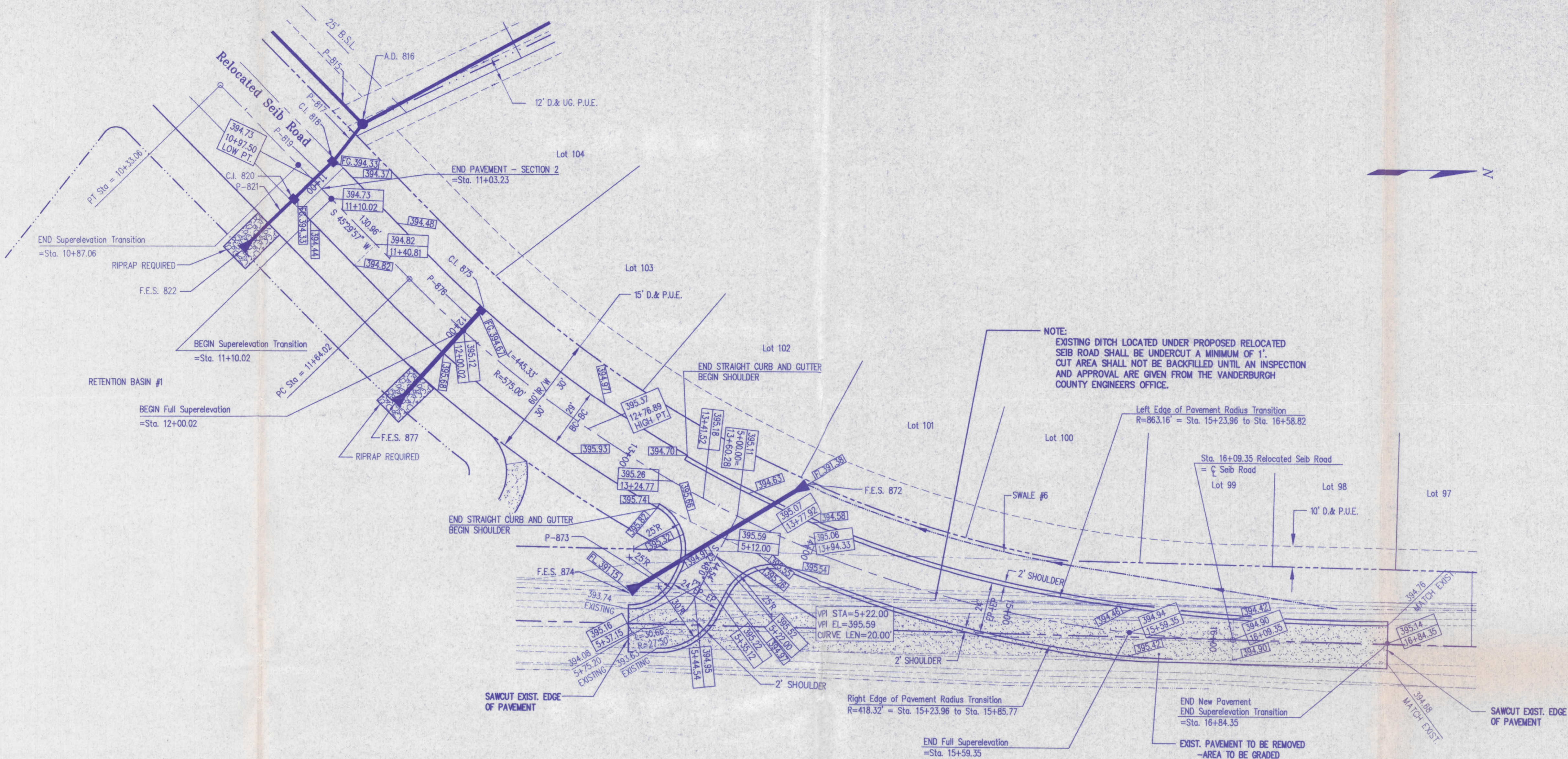
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No.	By	Date	Description
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

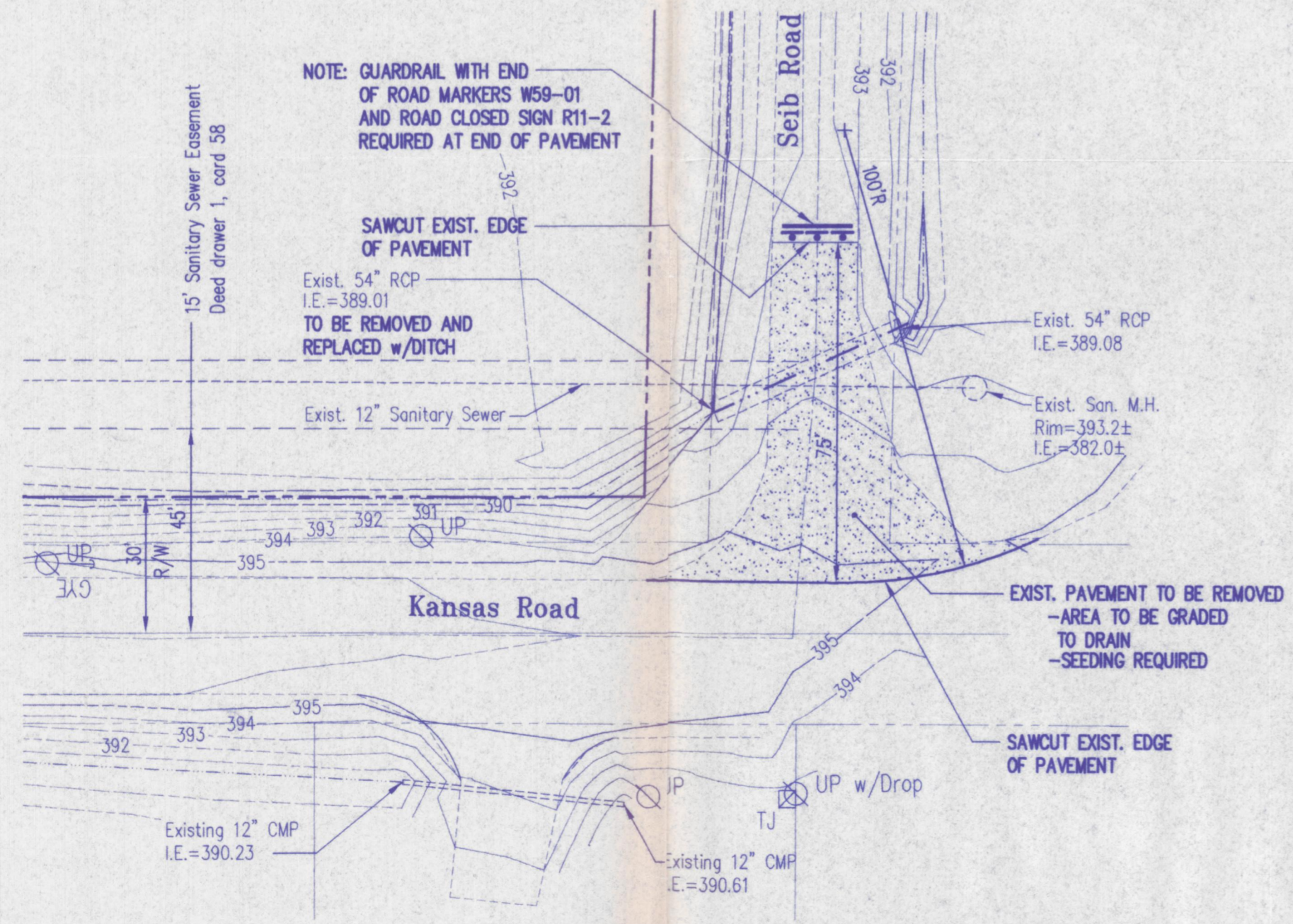


David W. Schinke

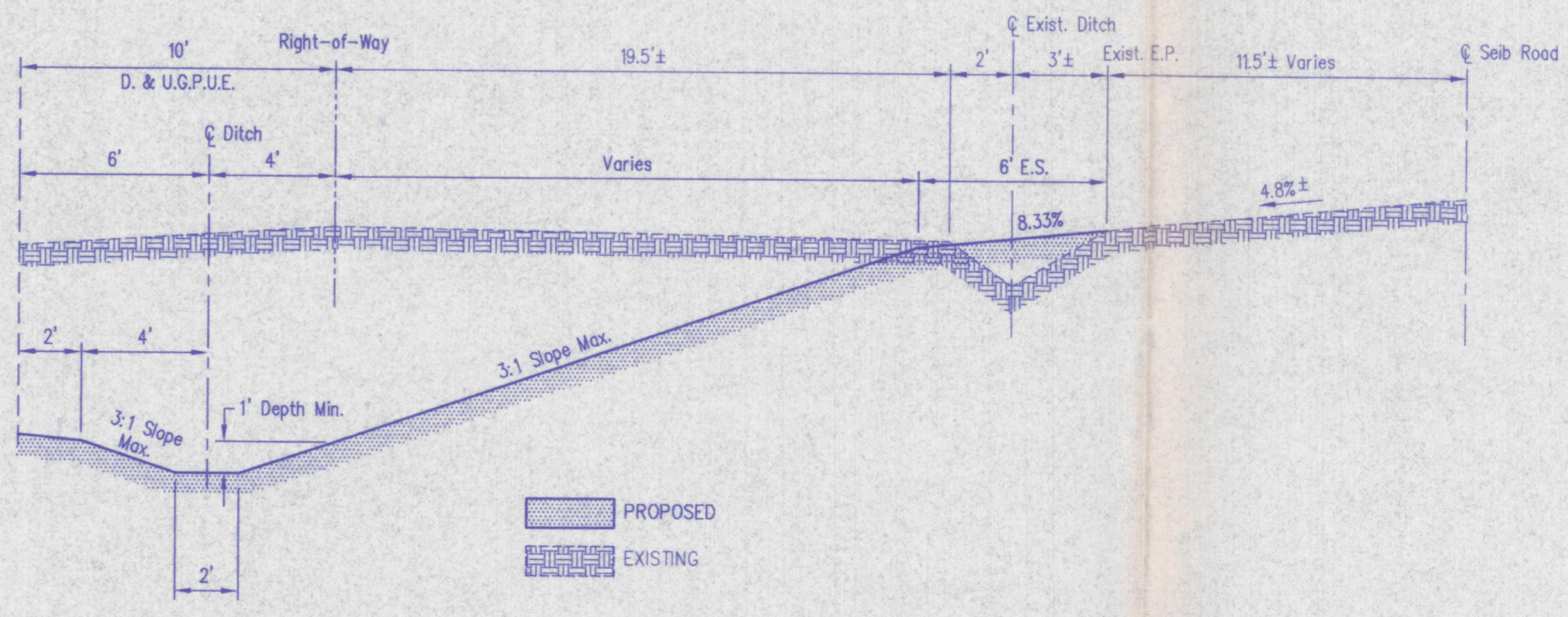
Project: **Stonescreek Subdivision - Section**
Sheet Title: **Utility/Drainage Plan Sheet #3**
Scale: **1"=60'**
Designed By: **R.S.L.** Job Number: **4255-4(G)**
Drawn By: **G.A.H.** Date: **09/05/00**
Filename: **J:\4255\CIVIL\3\4255SH13.dwg**
Sheet Number: **6** of 6



CONNECTION TO EXISTING SEIB ROAD - RELOCATED SEIB ROAD
SCALE: 1"=30'



KANSAS ROAD - EXISTING SEIB ROAD DEMOLITION PLAN
SCALE: 1"=30'

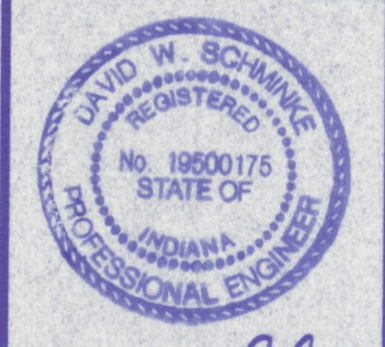


SEIB ROAD - CROSS SECTION G-G
SCALE: 1"=30'

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No.	By	Date	Description



David W. Schinke

Project: Stonecreek Subdivision - Section
Sheet Title: Relocated Seib Road/Kansas Road Intersection Details

Scale: 1"=30'
Designed By: R.S.L. Job Number: 4255-(G)
Drawn By: C.A.H. Date: 09/04/00
Filename: J:\4255\CIVIL\RDSECC3.DWG
Sheet Number: 9

SANITARY SEWER LATERAL INDEX

LATERAL NUMBER	DOWNSTREAM MANHOLE	DISTANCE TO MANHOLE	LATERAL LN. FEET	LATERAL NUMBER	DOWNSTREAM MANHOLE	DISTANCE TO MANHOLE	LATERAL LN. FEET
LOT 12	904	355	57	LOT 151	939	140	25
LOT 13	904	357	57	LOT 152	939	210	25
LOT 14	909	86	57	LOT 153	939	260	25
LOT 15	909	90	57	LOT 154	942	168	7
LOT 16	909	195	57	LOT 155	942	148	7
LOT 17	910	57.5	57	LOT 156	942	68	7
LOT 18	910	58.5	57	LOT 157	942	97	25
LOT 19	910	184.5	57	LOT 158	942	187	25
LOT 20	910	186.5	57	LOT 159	942	180	25
LOT 21	910	304.5	57	LOT 160	924	148	7
LOT 22	910	306.5	57	LOT 161	924	218	7
LOT 23	910	633.5	57	LOT 162	924	288	7
LOT 24	910	635.5	57	LOT 163	942	75	25
LOT 25	910	125	57	LOT 164	942	125	25
LOT 26	917	193	7	LOT 165	942	195	25
LOT 27	917	198	7	LOT 166	942	265	25
LOT 28	917	287	7	LOT 167	942	335	25
LOT 29	917	38	7	LOT 168	944	50	25
LOT 30	916	159	7	LOT 169	944	120	25
LOT 31	916	99	7	LOT 170	944	190	25
LOT 32	916	39	7	LOT 171	944	260	25
LOT 33	EXIST SSMH 711	312	10	LOT 172	944	240	7
LOT 34	EXIST SSMH 711	250	13	LOT 173	937	71	57
LOT 35	EXIST SSMH 711	188	14	LOT 174	937	2	57
LOT 36	EXIST SSMH 711	130	10	LOT 175	935	219	57
LOT 37	EXIST SSMH 711	68	14	LOT 176	935	141	57
LOT 38	EXIST SSMH 711	20	10	LOT 177	935	139	57
LOT 39	930	37	7	LOT 178	934	52	7
LOT 40	930	105	7	LOT 179	934	52	7
LOT 41	930	164	7	LOT 180	935	103	57
LOT 42	931	28	7	LOT 181	935	158	57
LOT 43	931	87	7	LOT 182	EXIST SSMH 712	363	75
LOT 44	931	159	7	LOT 183	EXIST SSMH 712	391	75
LOT 45	910	125	7	LOT 184	EXIST SSMH 711	253	75
LOT 46	910	90	7	LOT 185	EXIST SSMH 711	291	75
LOT 47	910	30	7	LOT 186	EXIST SSMH 711	148	75
LOT 48	910	332	7	LOT 187	EXIST SSMH 711	75	75
LOT 49	910	272	7	LOT 188	933	102	7
LOT 50	910	217	7	LOT 189	933	172	7
LOT 51	910	152	7	LOT 190	933	242	7
LOT 52	910	92	7	LOT 191	933	312	7
LOT 53	910	32	13	LOT 192	933	377	7
LOT 54	909	208	14	LOT 193	939	404	7
LOT 55	909	149	10	LOT 194	939	358	7
LOT 56	909	94	8	LOT 195	939	281	7
LOT 57	909	30	8	LOT 196	939	206	7
LOT 58	904	361	8	LOT 197	939	119	7
LOT 59	904	298	9	LOT 198	939	10	25
LOT 60	907	243	7	LOT 199	939	80	25
LOT 70	907	303	7	LOT 200	939	230	25
LOT 71	907	363	7	LOT 201	939	300	25
LOT 72	908	30	7	LOT 202	939	370	25
LOT 73	908	97	7	LOT 203	939	434	25
LOT 74	913	173	57	LOT 204	944	145	7
LOT 75	913	179	57	LOT 205	944	75	7
LOT 76	913	240	7	LOT 206	944	5	7
LOT 77	913	204	10	LOT 207	942	291	7
LOT 78	913	144	7	LOT 208	942	221	7
LOT 79	913	31	7	LOT 209	942	150	7
LOT 80	913	91	7	LOT 210	942	82	7
LOT 81	913	151	7	LOT 211	917	75	7
LOT 82	913	211	7	LOT 212	917	147	7
LOT 83	913	271	7	LOT 213	917	217	7
LOT 84	913	307.5	7	LOT 214	917	287	7
LOT 85	913	306.5	57	LOT 215	917	357	7
LOT 86	913	304.5	57	LOT 216	917	427	7
LOT 87	913	186.5	57	LOT 217	917	497	7
LOT 88	913	184.5	57	LOT 218	917	567	7
LOT 89	913	67	57	LOT 219	919	637	7
LOT 90	913	65	57	LOT 220	919	707	7
LOT 91	908	131	57	LOT 221	919	777	7
LOT 92	908	129	57	LOT 222	919	847	7
LOT 93	908	11	57	LOT 223	919	917	7
LOT 94	908	9	57	LOT 224	919	987	7
LOT 95	907	284	57	LOT 225	919	1057	7
LOT 96	907	282	57	LOT 226	920	30	7
LOT 107	926	104	7	LOT 227	920	85	7
LOT 108	926	179	7	LOT 228	920	155	7
LOT 109	926	249	7	LOT 229	920	225	7
LOT 110	928	319	7	LOT 230	920	295	7
LOT 111	927	35	7	LOT 231	920	365	7
LOT 112	927	105	7	LOT 232	924	77	7
LOT 113	927	179	7	LOT 233	924	147	7
LOT 114	927	245	7	LOT 234	924	217	7
LOT 115	928	315	14	LOT 235	924	287	7
LOT 116	928	30	15	LOT 236	924	357	7
LOT 117	928	57	7	LOT 237	924	427	7
LOT 118	937	282	7	LOT 238	924	497	7
LOT 119	937	212	7	LOT 239	920	567	7
LOT 120	937	142	7	LOT 240	920	637	7
LOT 121	937	72	7	LOT 241	920	707	7
LOT 122	937	4	7	LOT 242	920	777	7
LOT 123	935	62	7	LOT 243	920	847	7
LOT 124	935	175	7	LOT 244	920	917	7
LOT 125	935	108	7	LOT 245	920	987	7
LOT 126	935	35	7	LOT 246	920	1057	7
LOT 127	935	35	7	LOT 247	921	82	7
LOT 128	935	105	7	LOT 248	921	152	7
LOT 129	935	175	7	LOT 249	921	222	7
LOT 130	935	245	7	LOT 250	921	292	7
LOT 131	EXIST SSMH 712	252	10	LOT 251	921	362	7
LOT 132	EXIST SSMH 712	237	13	LOT 252	921	432	7
LOT 133	EXIST SSMH 712	164	13	LOT 253	921	502	7
LOT 134	EXIST SSMH 712	90	13	LOT 254	920	572	7
LOT 135	EXIST SSMH 712	28	13	LOT 255	920	642	7
LOT 136	EXIST SSMH 711	338	13	LOT 256	920	712	7
LOT 137	EXIST SSMH 711	265	13	LOT 257	920	782	7
LOT 138	EXIST SSMH 711	198	13	LOT 258	920	852	7
LOT 139	EXIST SSMH 711	128	13	LOT 259	919	922	7
LOT 140	EXIST SSMH 711	55	13	LOT 260	919	992	7
LOT 141	930	45	25	LOT 261	917	1062	7
LOT 142	930	126	25	LOT 262	917	1132	7
LOT 143	931	17	25	LOT 263	917	1202	7
LOT 144	931	131	25	LOT 264	917	1272	7
LOT 145	931	198	42	LOT 265	917	1342	7
LOT 146	939	238	7	LOT 266	917	1412	7
LOT 147	939	160	7				
LOT 148	939	90	7				
LOT 149	939	30	7				
LOT 150	939	59	25				

DRAINAGE SWALE DATA TABLE

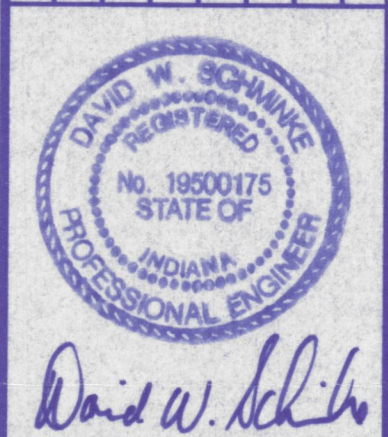
SWALE NUMBER	LENGTH	SLOPE	FLOW LINE		CONCRETE RIBBON
			UP STREAM Elev.	DOWN STREAM Elev.	
5	105	0.90	396.35	395.40	NO
6	263	0.24	392.00	391.38	NO
7	108	0.50	396.54	396.00	YES
8	325	0.46	397.50	396.00	YES
9	125	0.46	397.50	396.93	YES
10	164	0.46	396.75	396.00	YES
11	108	1.20	397.80	396.50	NO
12	170	0.53	398.00	397.10	YES
13	100	2.50	400.00	397.50	NO
14	97	1.03	398.50	397.50	NO
15	245	4.08	407.50	397.50	NO
16	84	1.56	398.50	397.50	NO
17	61	1.64	398.50	397.50	NO
18	96	1.04	398.50	397.50	NO
19	148	0.88	398.50	397.50	YES
20	325	1.00	400.75	397.50	NO
21	219	0.46	398.50	397.50	YES
22	400	0.55	400.25	398.08	YES
23	50	1.00	402.50	402.00	NO
24	132	1.10	423.00	421.55	NO
25	512	3.03	423.00	407.50	NO
26	115	3.91	416.00	411.50	NO
27	135	3.15	411.50	407.25	NO
28	167	1.80	407.00	404.00	NO
29	80	2.50	404.00	402.00	NO
30	378	1.52	408.50	400.75	NO

100 YEAR FLOOD ZONE TABLE

LOTS LOCATED WITHIN 100 YEAR FLOOD ZONE	FLOOD PROTECTION GRADE (FPG)	LOTS LOCATED WITHIN 100 YEAR FLOOD ZONE	FLOOD PROTECTION GRADE (FPG)
LOT 12	397.9	LOT 136	403.2
LOT 13	398.0	LOT 137	403.0
LOT 14	398.1	LOT 138	402.7
LOT 15	398.2	LOT 139	402.6
LOT 16	398.3	LOT 140	402.4
LOT 17	398.4	LOT 141	402.3
LOT 18	398.5	LOT 142	402.1
LOT 19	398.6	LOT 143	401.7
LOT 20	398.7	LOT 144	401.5
LOT 21	398.8	LOT 145	401.4
LOT 22	398.9	LOT 146	401.1
LOT 23	399.0	LOT 147	401.1
LOT 24	399.1	LOT 148	401.3
LOT 25	399.2	LOT 149	401.7
LOT 26	399.3	LOT 150	401.0
LOT 27	399.4	LOT 151	400.8
LOT 28	399.5	LOT 152	400.6
LOT 29	399.6	LOT 153	400.6
LOT 30	399.7	LOT 154	400.6
LOT 31	399.8	LOT 155	400.6
LOT 32	399.9	LOT 156	400.5
LOT 33	400.0	LOT 157	400.5
LOT 34	400.1	LOT 158	400.5
LOT 35	400.2	LOT 159	400.5
LOT 36	400.3	LOT 160	400.5
LOT 37	400.4	LOT 161	400.5
LOT 38	400.5	LOT 162	400.5
LOT 39	400.6	LOT 163	400.5
LOT 40	400.7	LOT 164	400.5
LOT 41	400.8	LOT 165	400.5
LOT 42	400.9	LOT 166	400.5
LOT 43	401.0	LOT 167	400.5
LOT 44	401.1	LOT 168	400.5
LOT 45	401.2	LOT 169	400.5
LOT 46	401.3	LOT 170	400.5
LOT 47	401.4	LOT 171	400.5
LOT 48	401.5	LOT 172	400.5
LOT 49	401.6	LOT 173	400.5
LOT 50	401.7	LOT 174	400.5
LOT 51	401.8	LOT 175	400.5
LOT 52	401.9	LOT 176	400.5
LOT 53	402.0	LOT 177	400.5
LOT 54	402.1	LOT 178	400.5
LOT 55	402.2	LOT 179	400.5
LOT 56	402.3	LOT 180	400.5
LOT 57	402.4	LOT 181	400.5
LOT 58	402.5		

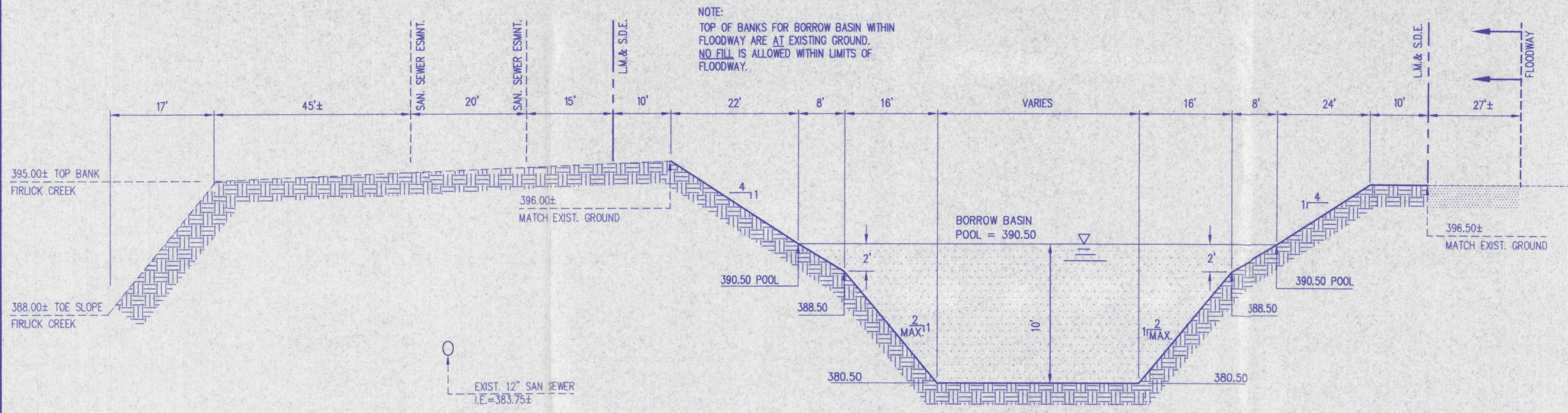
All ideas, designs, calculations, and arrangements indicated or represented by this drawing are the property of Morley and Associates, Inc. and were created for the use and in connection with the specified project. None of such ideas, designs, calculations, or arrangements shall be used by or disclosed to any other person or organization without the written permission of Morley and Associates, Inc. Written dimensions on these drawings shall have precedence over all other dimensions and conditions shown on the drawings. The undersigned hereby certifies that he is a duly Licensed Professional Engineer in the State of Indiana and is responsible for the design and construction of the project shown on these drawings. The undersigned hereby certifies that he is a duly Licensed Professional Engineer in the State of Indiana and is responsible for the design and construction of the project shown on these drawings.

No.	By	Date	Description

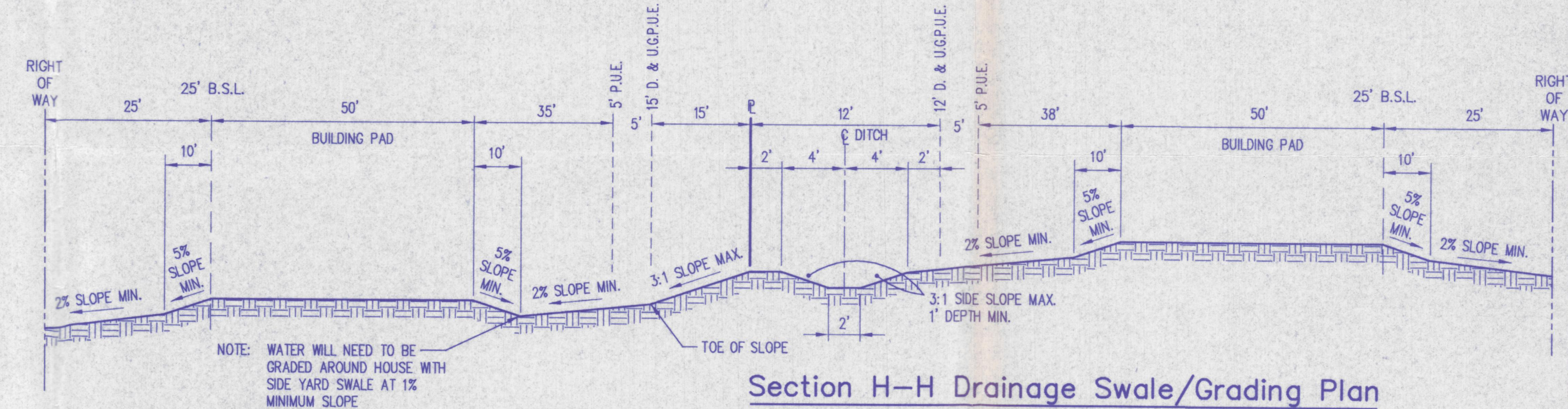


Project: Stonecreek Subdivision - Section
 Sheet Title: Drainage Details

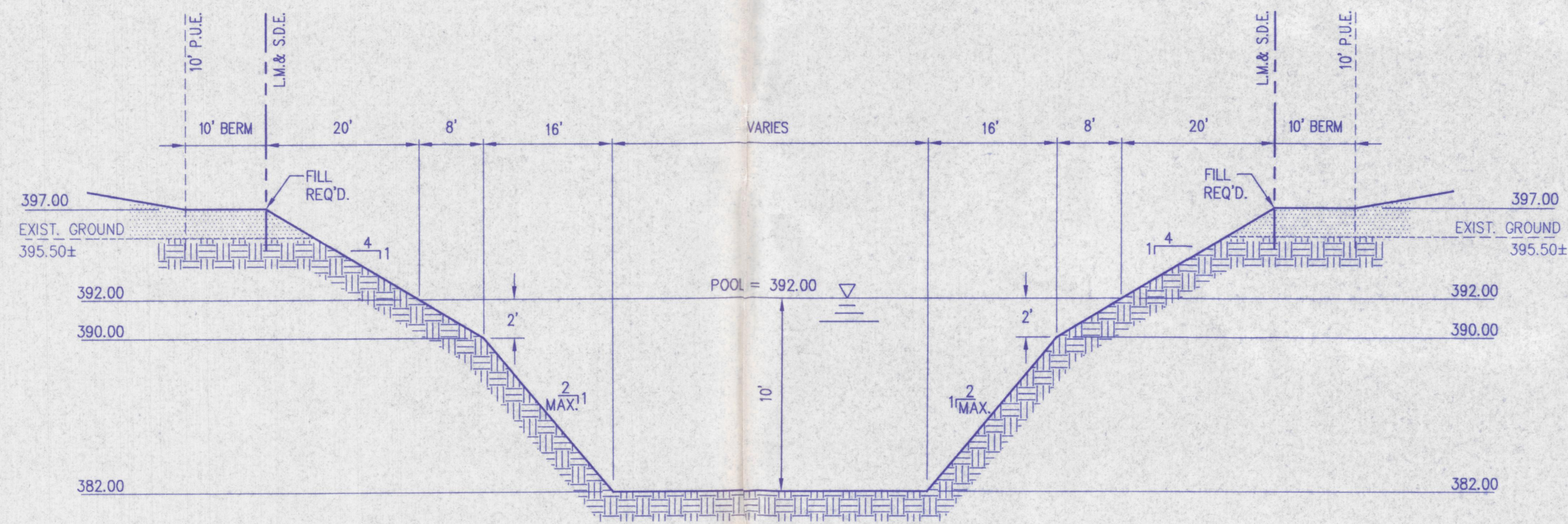
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Designed By: R.S.L.	Job Number: 4255-4(G)
Drawn By: G.A.H.	Date: 09/04/00
Filename: J:\4255\CIVIL3\4255drr.dwg	
Sheet Number: 22	



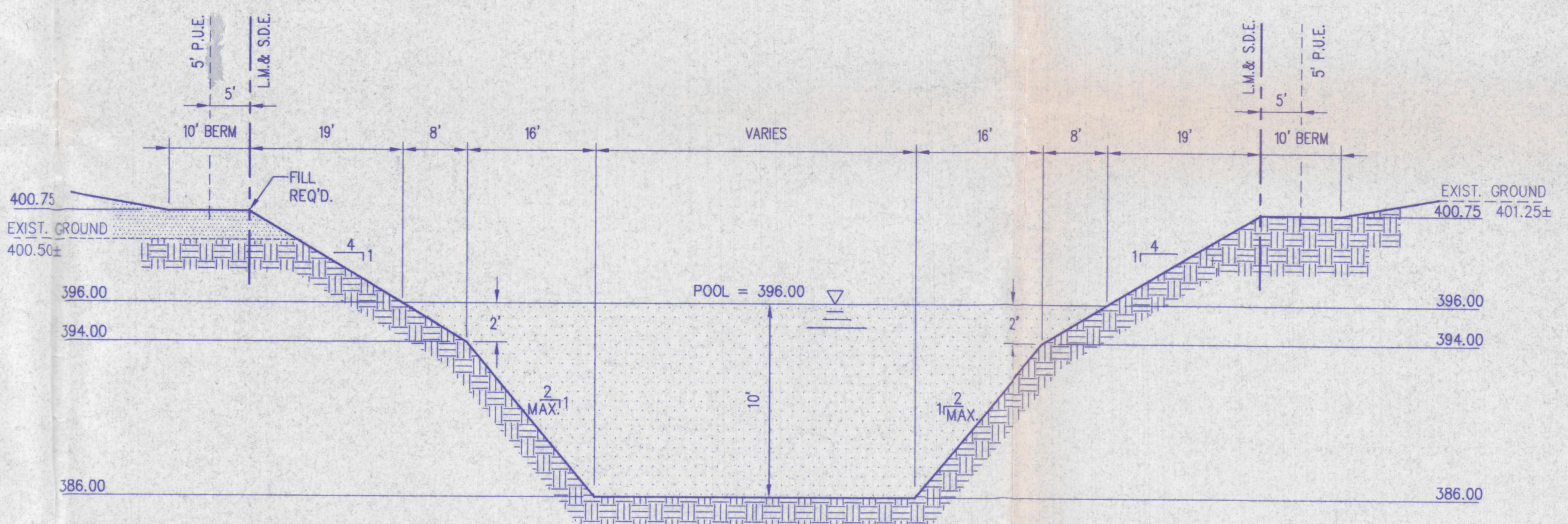
Borrow Basin #2 - Section D-D
 No Scale



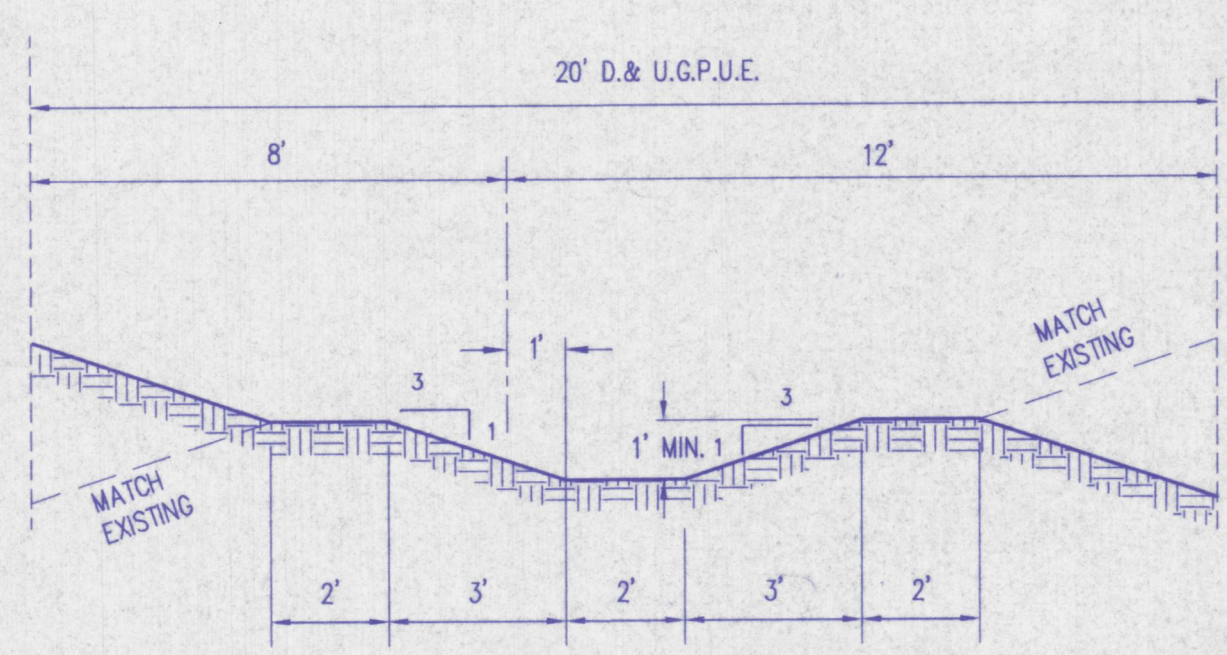
Section H-H Drainage Swale/Grading Plan
 No Scale



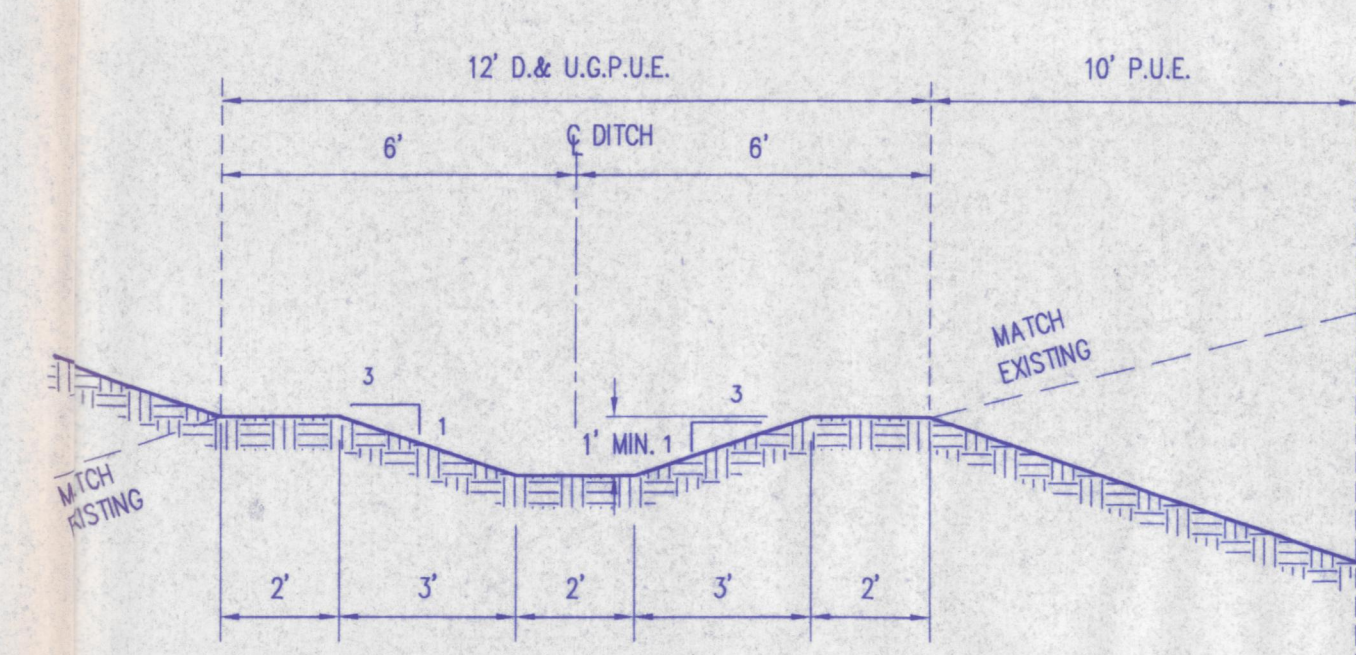
Retention Basin #4 - Section E-E
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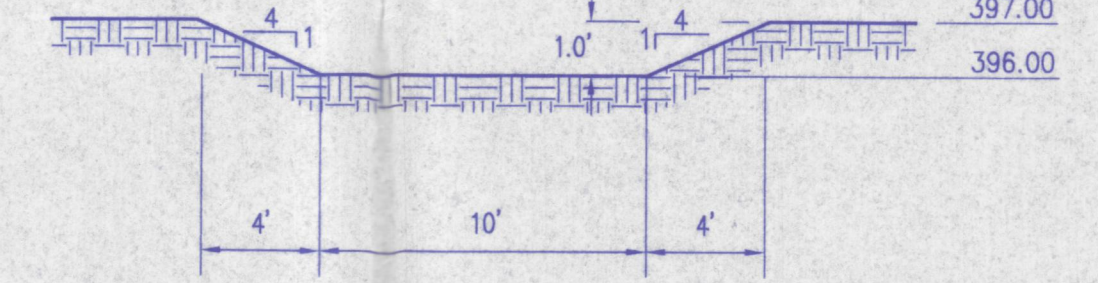
Retention Basin #5 - Section F-F
 No Scale



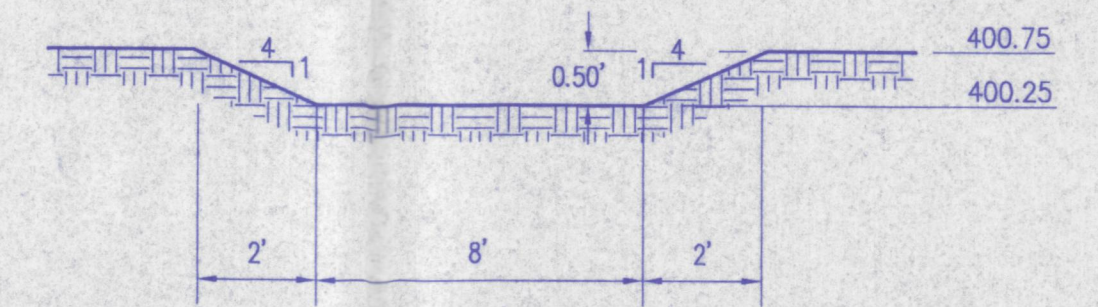
Section A-A Drainage Swale
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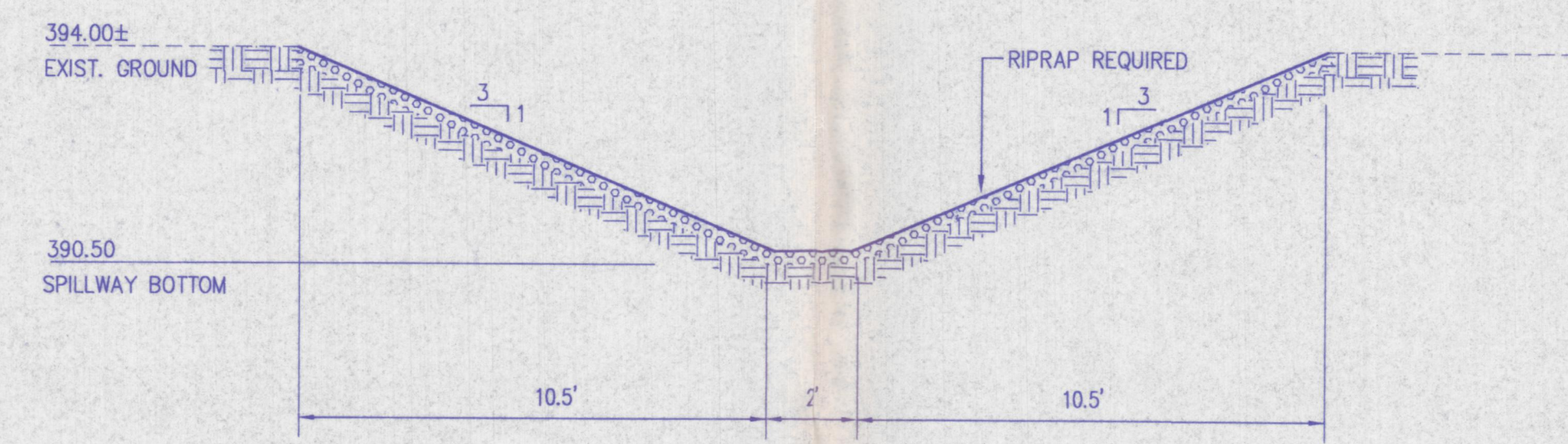
Section B-B Drainage Swale
 No Scale



Retention Basin #4 Emergency Spillway
 No Scale



Retention Basin #5 Emergency Spillway
 No Scale



Borrow Basin #2 Spillway
 No Scale

- NOTE:
- SOD REQUIRED IF LONGITUDINAL SLOPE IS 4% OR GREATER.
 - 16"x8" CONCRETE RIBBON REQUIRED IF LONGITUDINAL SLOPE IS LESS THAN 0.8%.
 - RIP-RAP OR EROSION CONTROL BLANKET REQUIRED ON SIDE SLOPES GREATER THAN 3:1. REFER TO EROSION/SEDIMENT CONTROL PLAN.

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