

DEERFIELD

LUXURY ESTATES COMMUNITY

SECTION - ONE

DRAINAGE PLANS

APPROVED BY VANDERBURGH COUNTY DRAINAGE BOARD
 VANDERBURGH COUNTY, INDIANA
 ROBERT L. WILLNER - PRESIDENT
 RICHARD J. BORRIES - VICE PRESIDENT
 SHIRLEY JEAN COX - MEMBER

BY: _____ DATE: _____

RECOMMENDED FOR APPROVAL

BY: _____ DATE: _____

SANITARY SEWER PLANS

APPROVED BY CITY OF EVANSVILLE
 BOARD OF WATER AND SEWER UTILITY

NORBERT L. WOOLLEY - PRESIDENT
 SHERRIANNE M. STANDLEY - VICE PRESIDENT
 SAMUEL G. CLIFFORD JR. - MEMBER
 JERRY LINZY - MEMBER
 JOHN H. SCHULTZ - MEMBER

BY: _____ DATE: _____
 PRESIDENT

RECOMMENDED FOR APPROVAL

BY: _____ DATE: _____

GARY E. LEEK, DIRECTOR
 UTILITY OPERATIONS

ROADWAY PLANS

APPROVED BY BOARD OF COUNTY COMMISSIONERS
 VANDERBURGH COUNTY, INDIANA

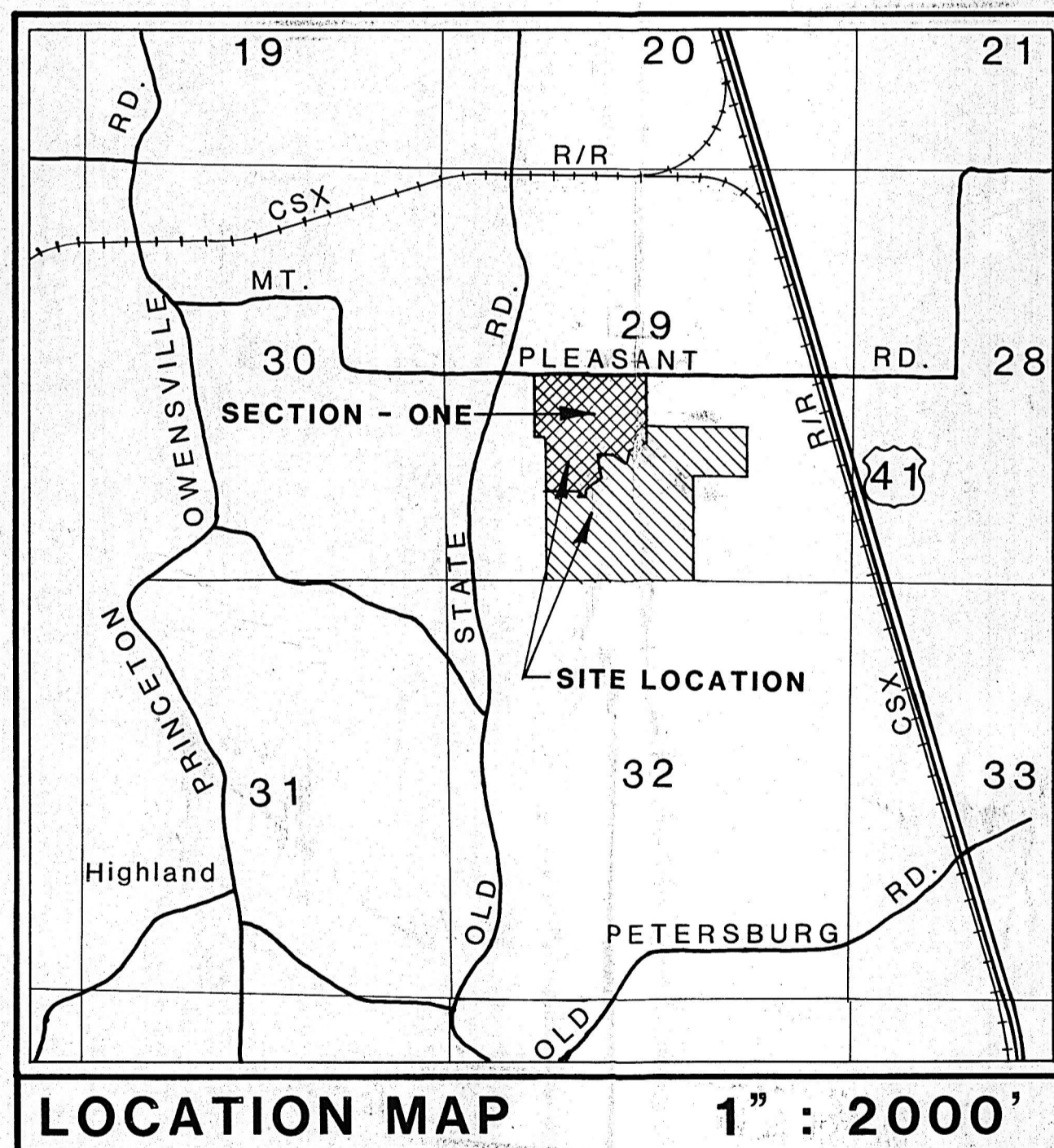
BY: *Richard J. Borries* DATE: 5/31/88
 RICHARD J. BORRIES, PRESIDENT
 BY: *Robert L. Willner* DATE: 5/31/88
 ROBERT L. WILLNER, V. PRESIDENT
 BY: *Shirley Jean Cox* DATE: 5/31/88
 SHIRLEY JEAN COX, MEMBER
 BY: *Ann Humphrey* DATE: 5-31-88
 AUDITOR

RECOMMENDED FOR APPROVAL

BY: *Andy Early* DATE: 5-31-88
 COUNTY HIGHWAY ENGINEER

NOTE: DEVELOPER GUARANTIES MAINTENANCE OF ENTRANCE DRIVE PAVERS FOR A PERIOD OF TWO YEARS.

PHILLIP W. GARRISON, PRES.
 GARRISON DEVELOPMENT



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Cont. Plans from Kiewit 1/18/89

MORLEY AND ASSOCIATES, INC.

CONSULTING ENGINEERS / LAND SURVEYORS
 605 S E SEVENTH STREET / EVANSVILLE, INDIANA 47713

GENERAL NOTES

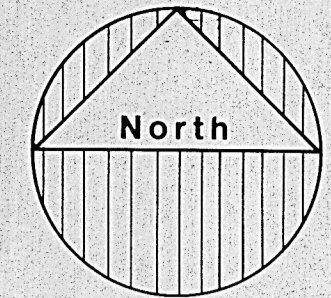
EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ON DRAWING. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES BEFORE BEGINNING WORK FOR FIELD LOCATIONS. THE UTILITIES TO BE NOTIFIED INCLUDE THE FOLLOWING:

- SOUTHERN INDIANA GAS & ELECTRIC CO.
- EVANSVILLE WATER & SEWER UTILITY
- EVANSVILLE CABLE T.V.
- INDIANA BELL TELEPHONE CO.

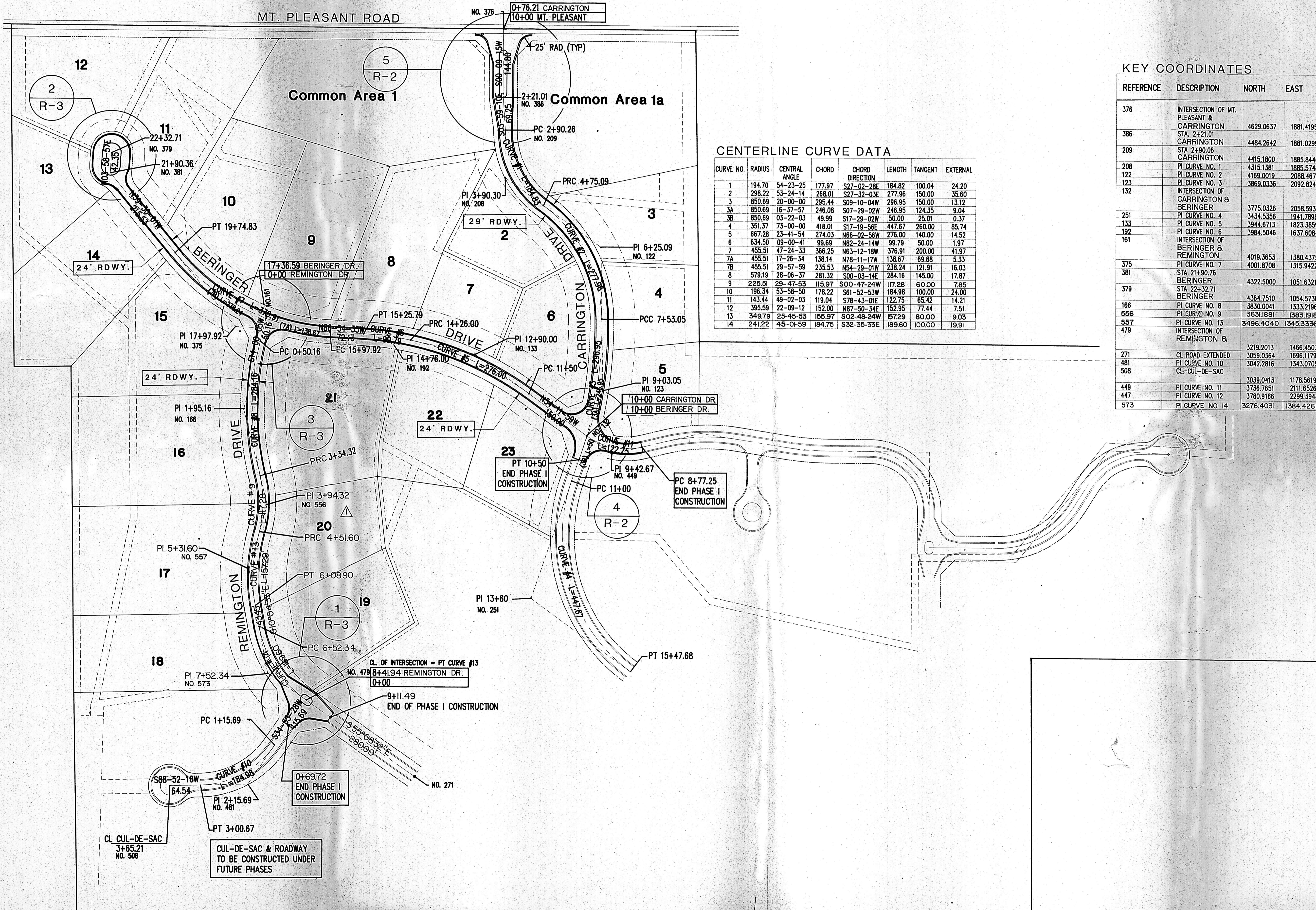
THE FOLLOWING GOVERNMENT AGENCIES SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING WORK AND ON A DAILY BASIS THEREAFTER WHEN PERFORMING THE WORK LISTED BELOW.

- STREET SUBGRADE & STREETS - VANDERBURGH COUNTY ROAD ENGINEER - 426-5211
- SANITARY SEWERS - EVANSVILLE WATER & SEWER UTILITY OPERATIONS DEPARTMENT - 428-0723
- STORM SEWERS - VANDERBURGH COUNTY ROAD ENGINEER - 426-5210

Deerfield



SCALE: 1" = 100'

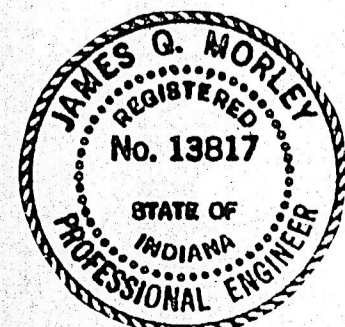


CENTERLINE CURVE DATA

CURVE NO.	RADIUS	CENTRAL ANGLE	CHORD	CHORD DIRECTION	LENGTH	TANGENT	EXTERNAL
1	194.70	54-23-25	177.97	S77-02-28E	184.82	100.04	24.20
2	298.22	53-24-14	268.01	S27-32-03E	277.96	150.00	35.60
3	850.69	20-00-00	295.44	S09-10-04W	296.95	150.00	13.12
3A	850.69	16-37-57	246.08	S07-29-02W	246.95	124.35	9.04
3B	850.69	03-22-03	49.99	S17-29-02W	50.00	25.01	0.37
4	351.37	73-00-00	418.01	S17-19-56E	447.67	260.00	85.74
5	667.28	23-41-54	274.03	N66-02-56W	276.00	140.00	14.52
6	634.50	09-00-41	99.69	N82-24-14W	99.79	50.00	1.97
7	455.51	47-24-33	366.25	N63-12-18W	376.91	200.00	41.97
7A	455.51	17-26-34	136.14	N78-11-17W	136.67	69.88	5.33
7B	455.51	29-57-59	235.53	N54-29-01W	238.24	121.91	16.03
8	579.19	28-06-37	281.32	S00-03-14E	284.16	145.00	17.87
9	225.51	29-47-53	115.97	S00-47-24W	117.28	60.00	7.85
10	196.34	53-58-50	178.22	S61-52-53W	184.98	100.00	24.00
11	143.44	49-02-03	119.04	S78-43-01E	122.75	65.42	14.21
12	395.59	22-09-12	152.00	N87-50-34E	152.95	77.44	7.51
13	349.79	25-45-53	155.97	S02-48-24W	157.29	80.00	9.03
14	241.22	45-01-59	184.75	S32-35-33E	189.60	100.00	19.91

KEY COORDINATES

REFERENCE	DESCRIPTION	NORTH	EAST
376	INTERSECTION OF MT. PLEASANT & CARRINGTON	4629.0637	1881.4195
386	STA. 2+21.01 CARRINGTON	4484.2642	1881.0299
209	STA 2+90.06 CARRINGTON	4415.1800	1885.8440
208	PI CURVE NO. 1	4315.1381	1885.5748
122	PI CURVE NO. 2	4169.0019	2088.4673
123	PI CURVE NO. 3	3869.0336	2092.8244
132	INTERSECTION OF CARRINGTON & BERINGER	3775.0326	2058.5938
251	PI CURVE NO. 4	3434.5356	1941.7898
133	PI CURVE NO. 5	3944.6713	1823.3859
192	PI CURVE NO. 6	3984.5046	1637.6084
161	INTERSECTION OF BERINGER & REMINGTON	4019.3653	1380.4375
375	PI CURVE NO. 7	4001.8708	1315.9422
381	STA 21+90.76 BERINGER	4322.5000	1051.6321
379	STA 22+32.71 BERINGER	4364.7510	1054.5736
166	PI CURVE NO. 8	3830.0041	1333.2196
566	PI CURVE NO. 9	3631.1881	1383.1918
557	PI CURVE NO. 13	3496.4040	1345.3336
479	INTERSECTION OF REMINGTON & CARRINGTON	3219.2013	1466.4503
271	CL ROAD EXTENDED	3059.0364	1696.1179
481	PI CURVE NO. 10	3042.2816	1343.0705
508	CL CUL-DE-SAC	3039.0413	1178.5619
449	PI CURVE NO. 11	3736.7651	2111.6526
447	PI CURVE NO. 12	3780.9166	2299.3944
573	PI CURVE NO. 14	3276.4031	1384.4261



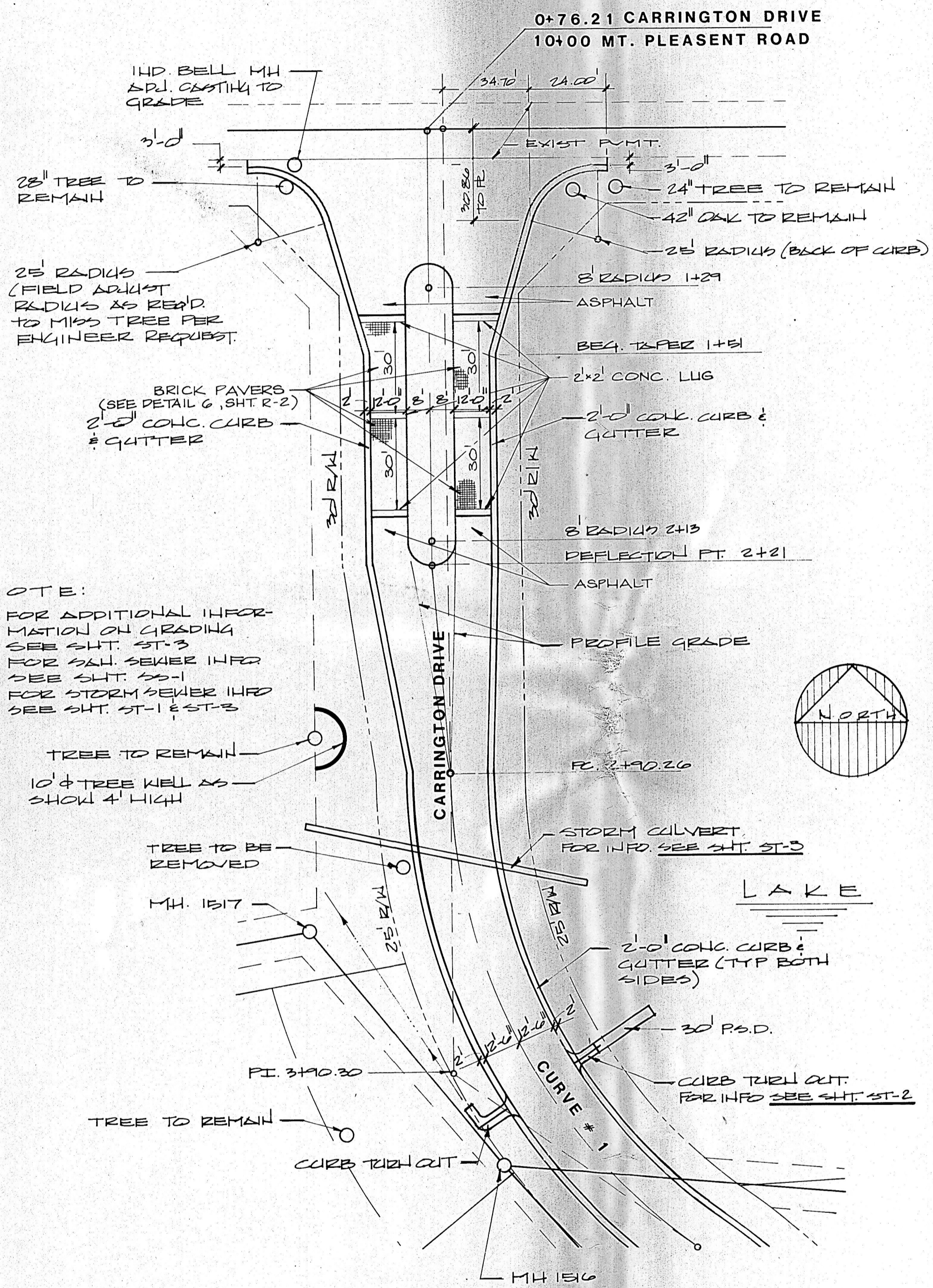
Scale: 1" = 100'
 Drawn By: MAE
 Checked By: JAF
 Date: 4/13/88
 Project No: 88-1583-4

Sheet No. **R-1**

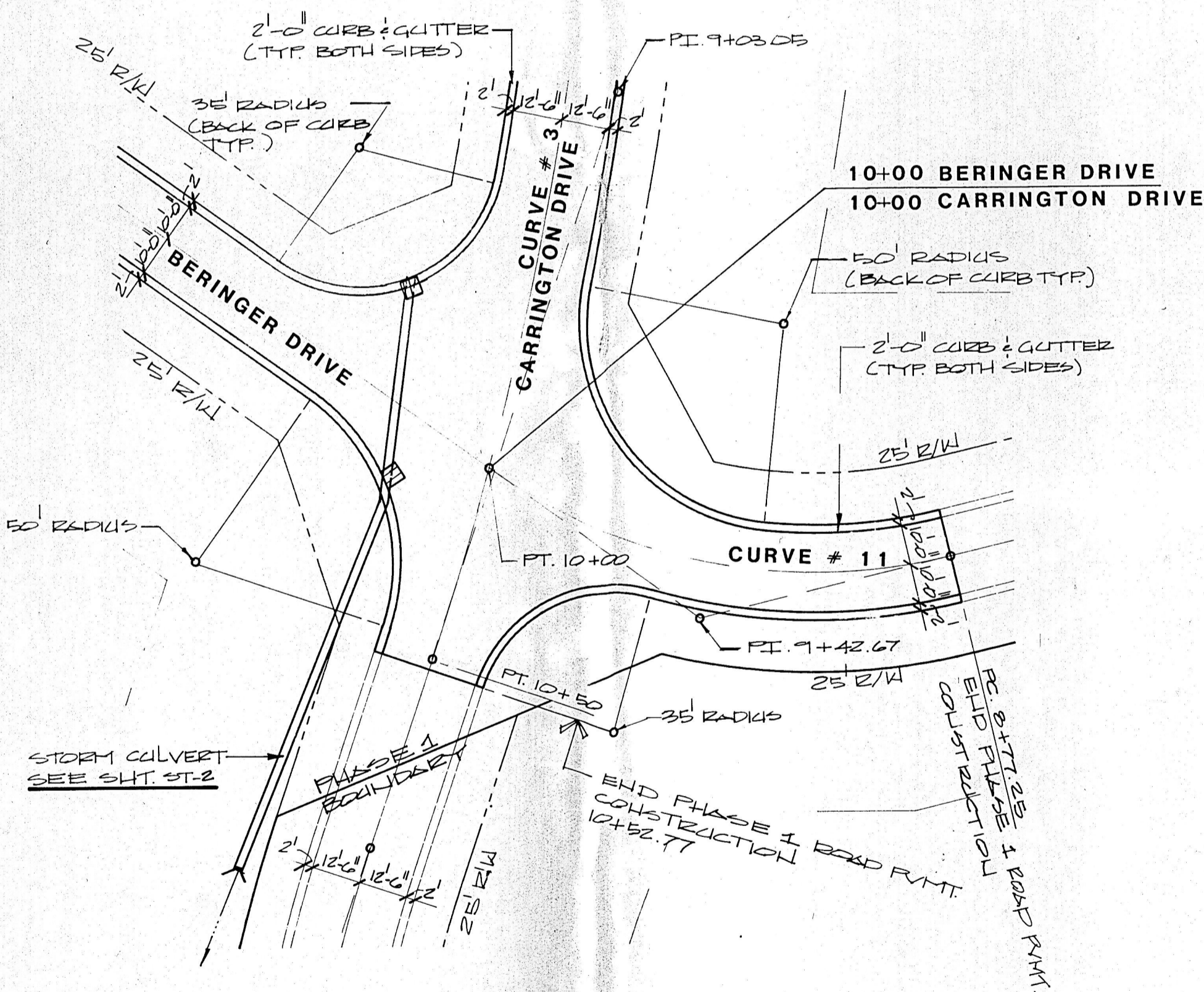
Morley and Associates, Inc.
 CONSULTING ENGINEERS / LAND SURVEYORS
 605 S.E. SEVENTH STREET / EVANSVILLE, INDIANA 47713 / (812) 464-9585

ROADWAY INDEX

Rev.	By	Date	Description
5-26-88	JDM		REVISE OLDBURY PLACE

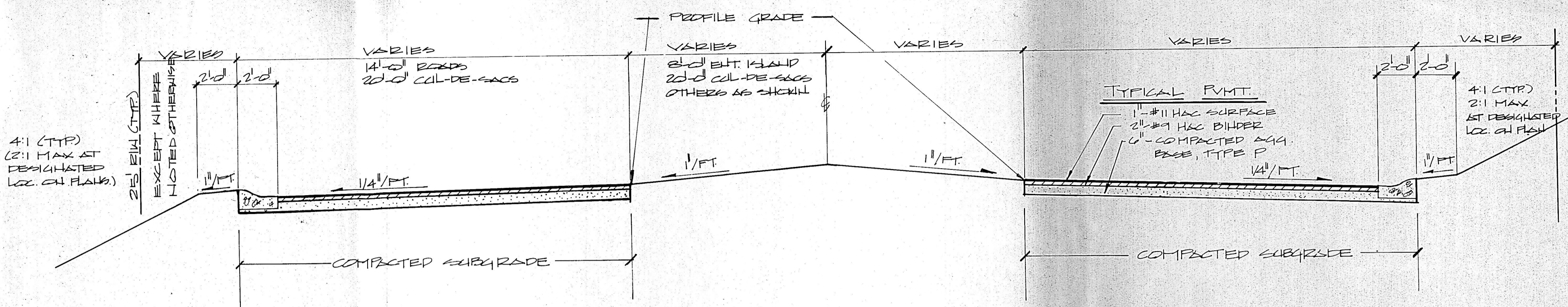


5
R-2 **ENTRANCE OFF MT. PLEASANT RD.**
SCALE: 1" = 30'

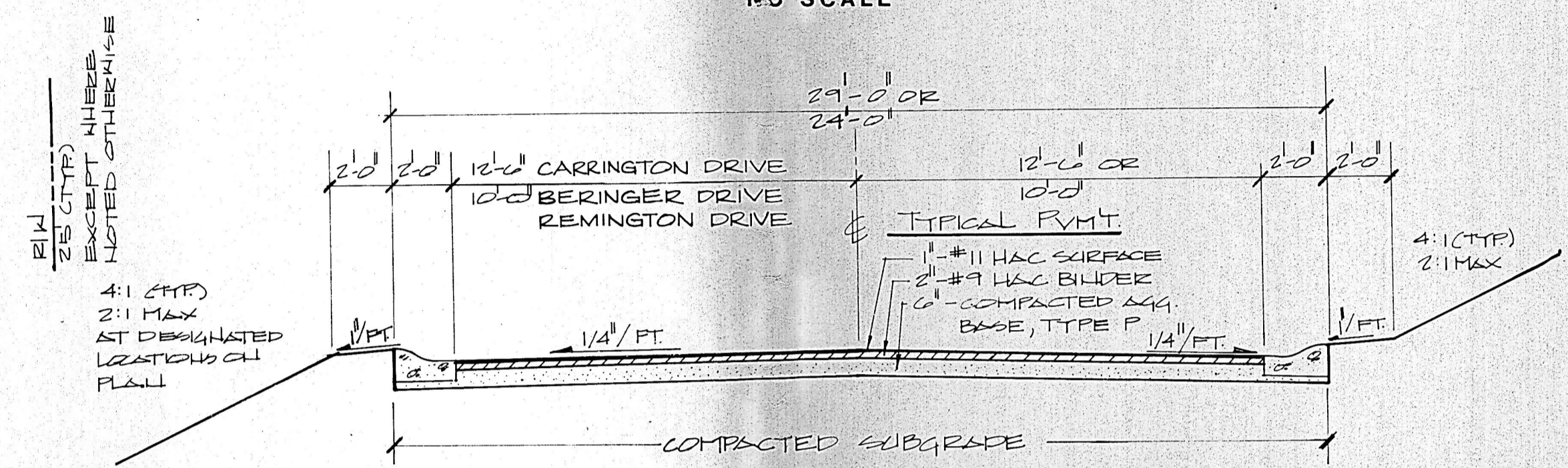


4
R-2 **INTERSECTION OF CARRINGTON DRIVE & BERINGER DRIVE**
SCALE: 1" = 30'

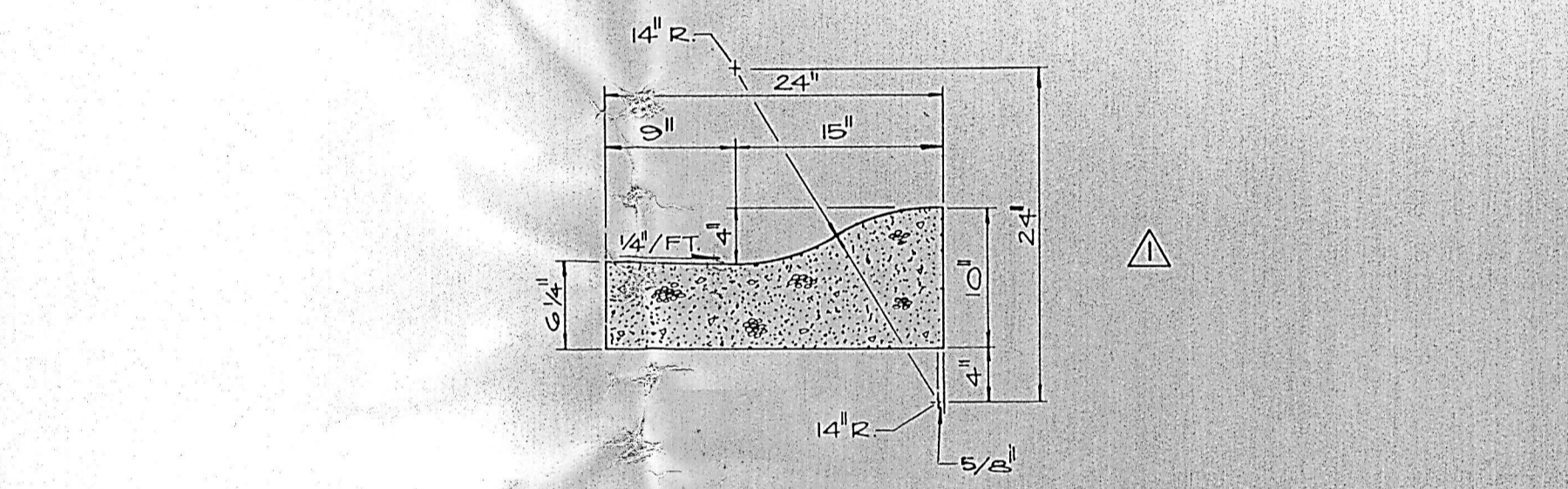
FOR \pm CONTROL REFER TO SHT. R-1



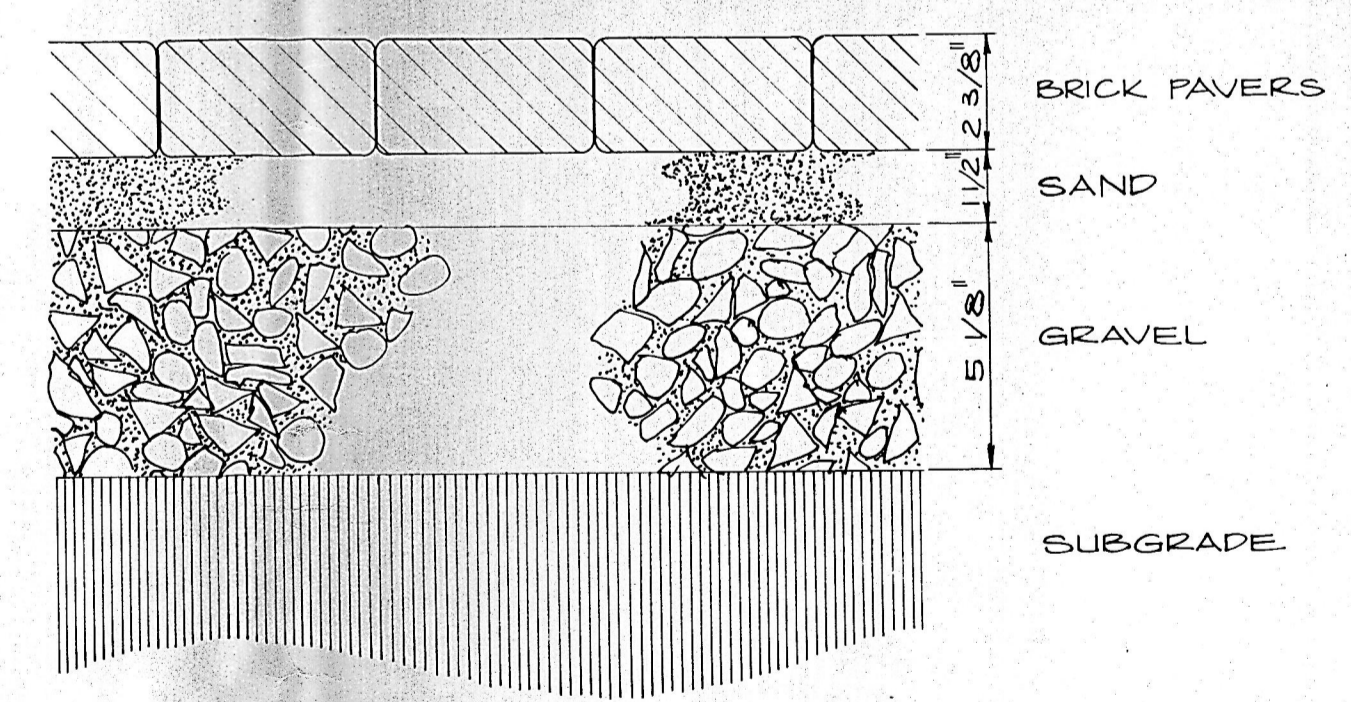
3
R-3 **TYPICAL ROADWAY SECTION (DIVIDED PVT.)**
NO SCALE



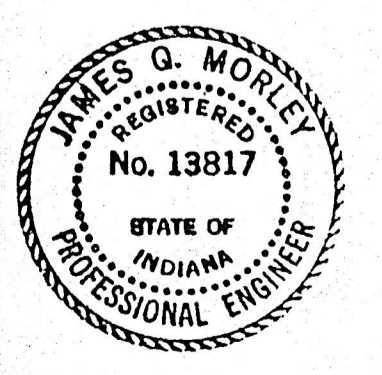
2
R-2 **TYPICAL ROADWAY SECTION**
NO SCALE



1
R-2 **COMBINED CONCRETE CURB & GUTTER**
SCALE: 1" = 1'-0"



6
R-2 **BRICK PAVER ENTRANCE ROAD DETAIL**



Rev.	By	Date	Description
1	JDM	5-20-08	REVISE ROLL CURB DETAIL

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INTERSECTION DETAILS

Scale: AS SHOWN
Drawn By: J.A.F.
Checked By: J.A.F.
Date:
Project No: 88-1583-4

Sheet No. **R-2**
of

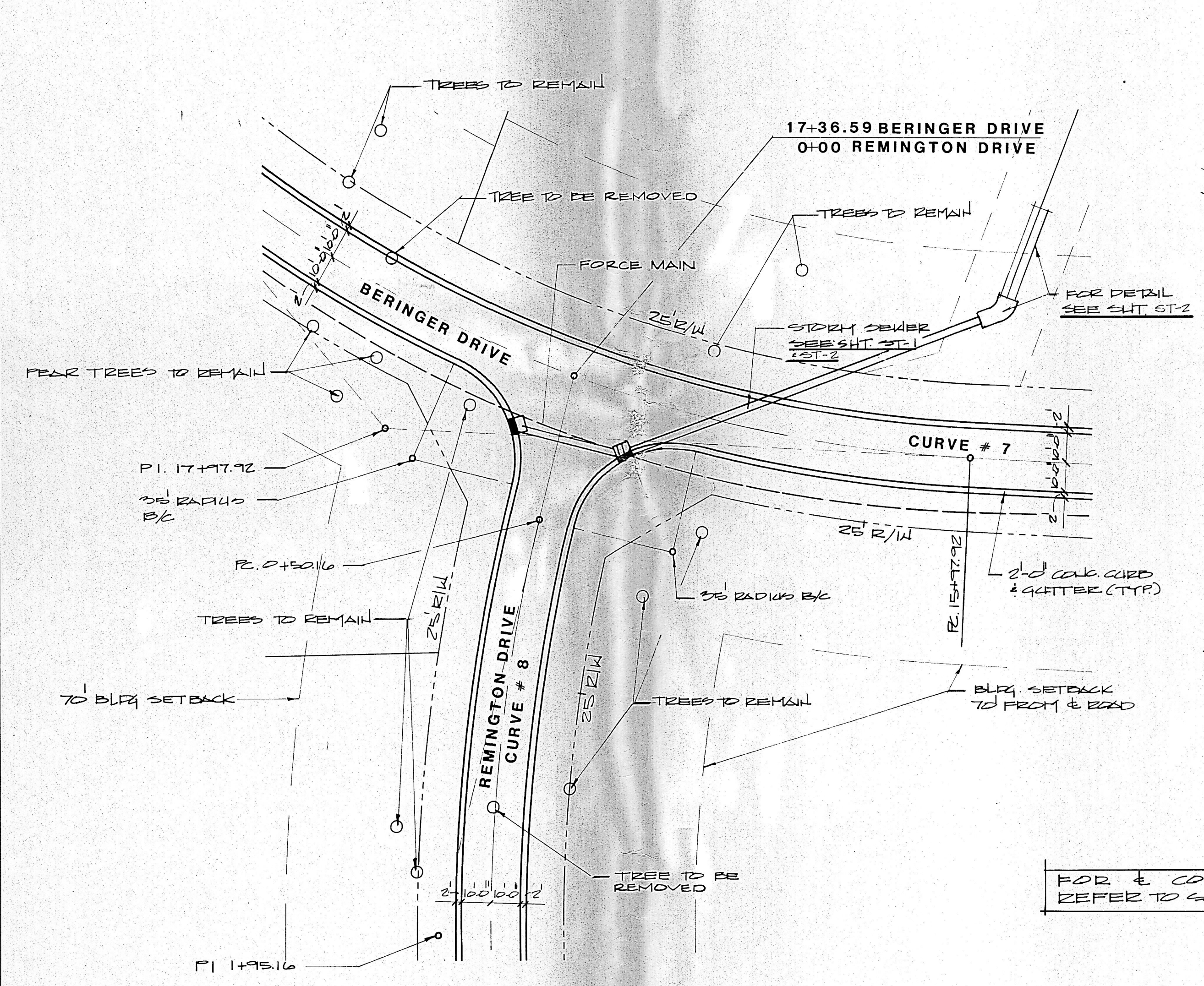
Rev.	By	Date	Description
△	JDW	5-27-88	REVISE INTERSECTION STATION OF LOBBURY & OXFORDSHIRE CT.
△	JDW	5-27-88	REVISE CUL-DE-SAC RADIUS HADLEIGH PLACE

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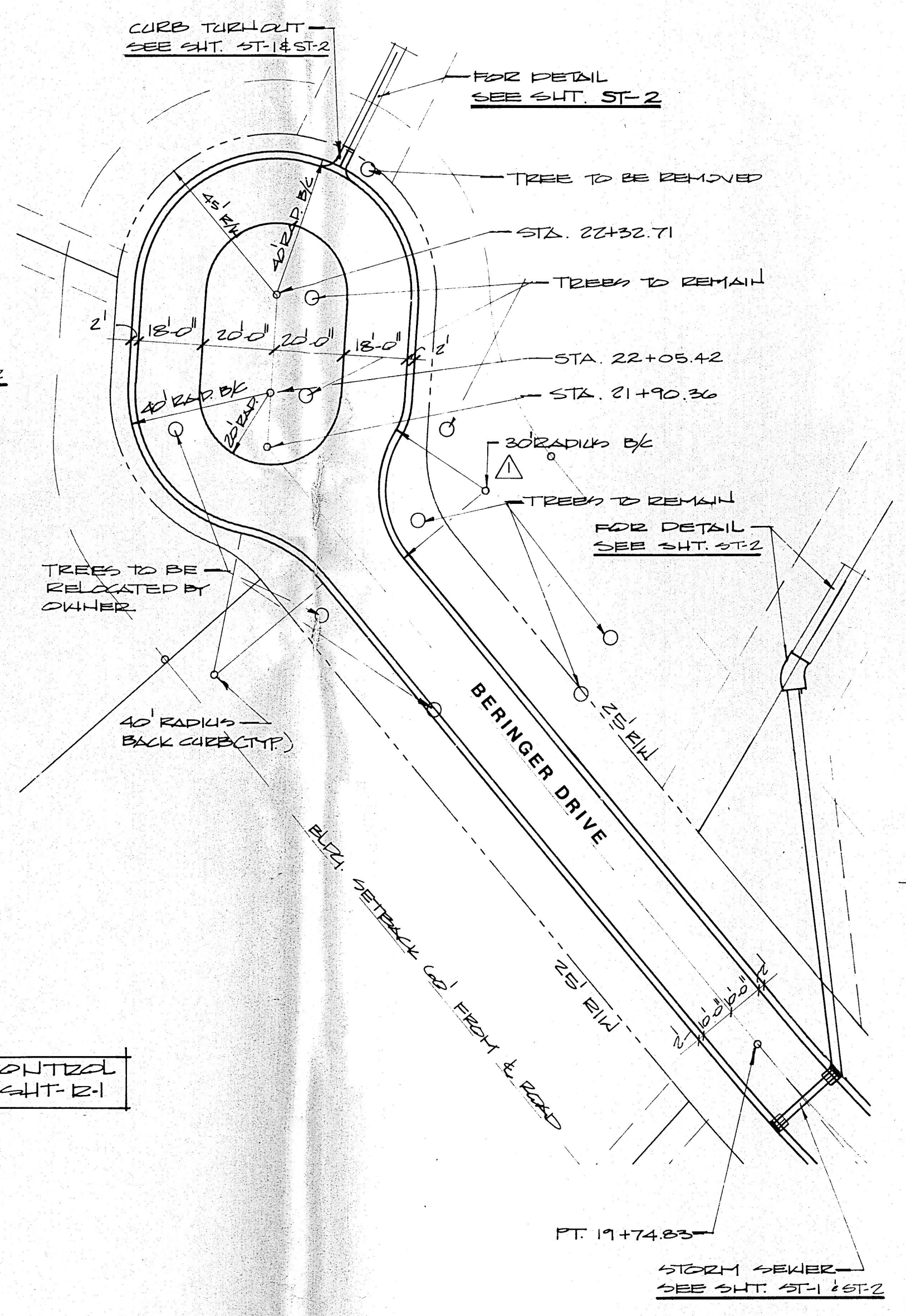
INTERSECTION DETAILS

Scale: 1" = 30'
Drawn By:
Checked By: J.A.F.
Date:
Project No: 88-1583-4

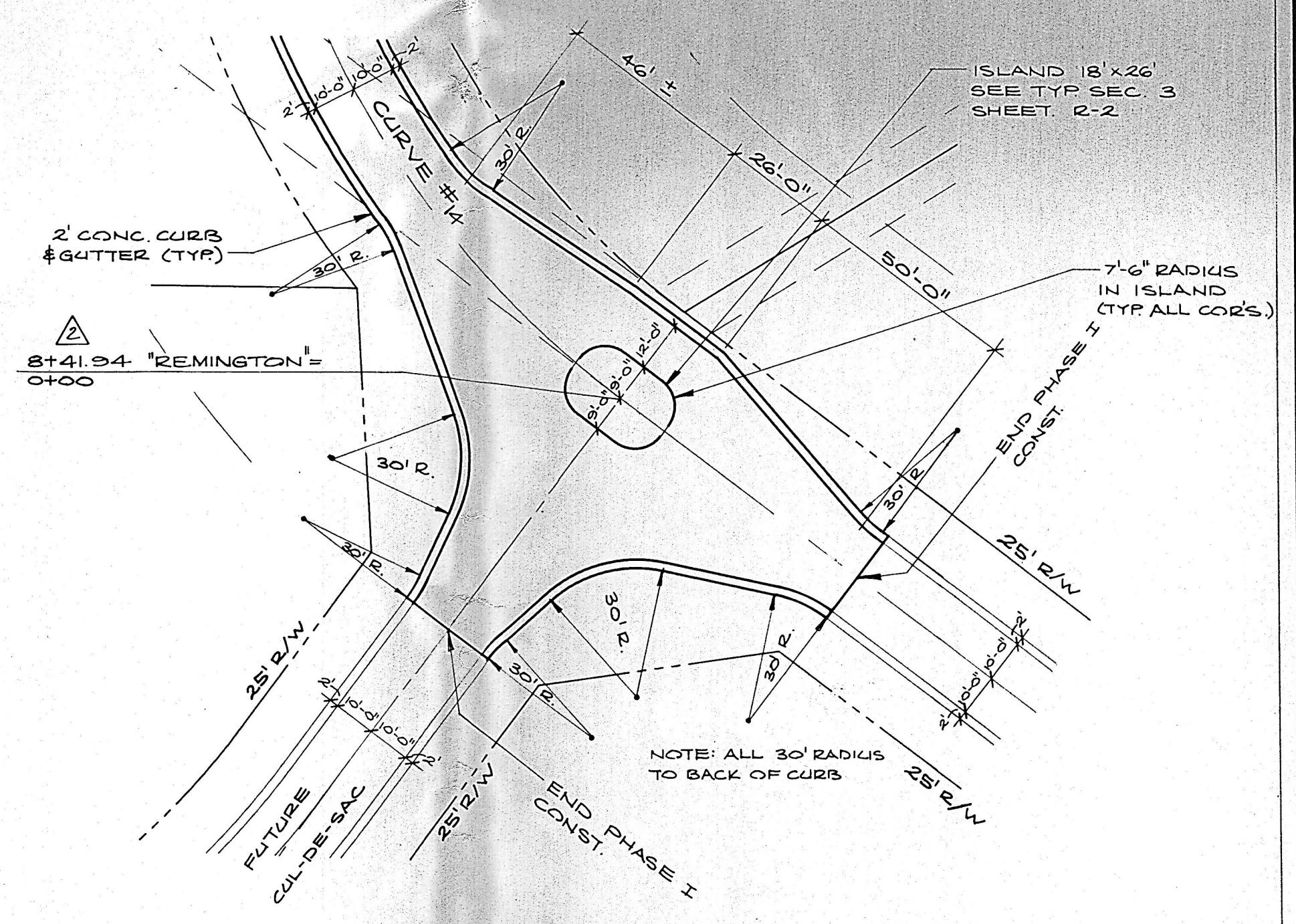
Sheet No.
R-3



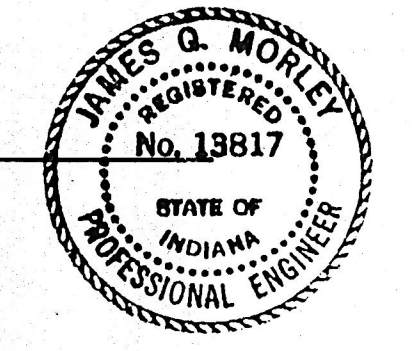
3
R-3 INTERSECTION OF BERINGER DRIVE & REMINGTON DRIVE



2
R-3 CUL-DE-SAC BERINGER DRIVE

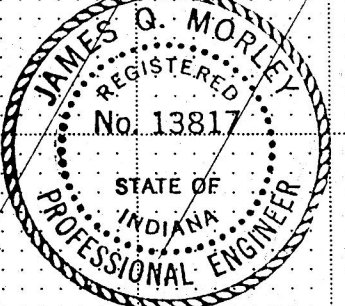
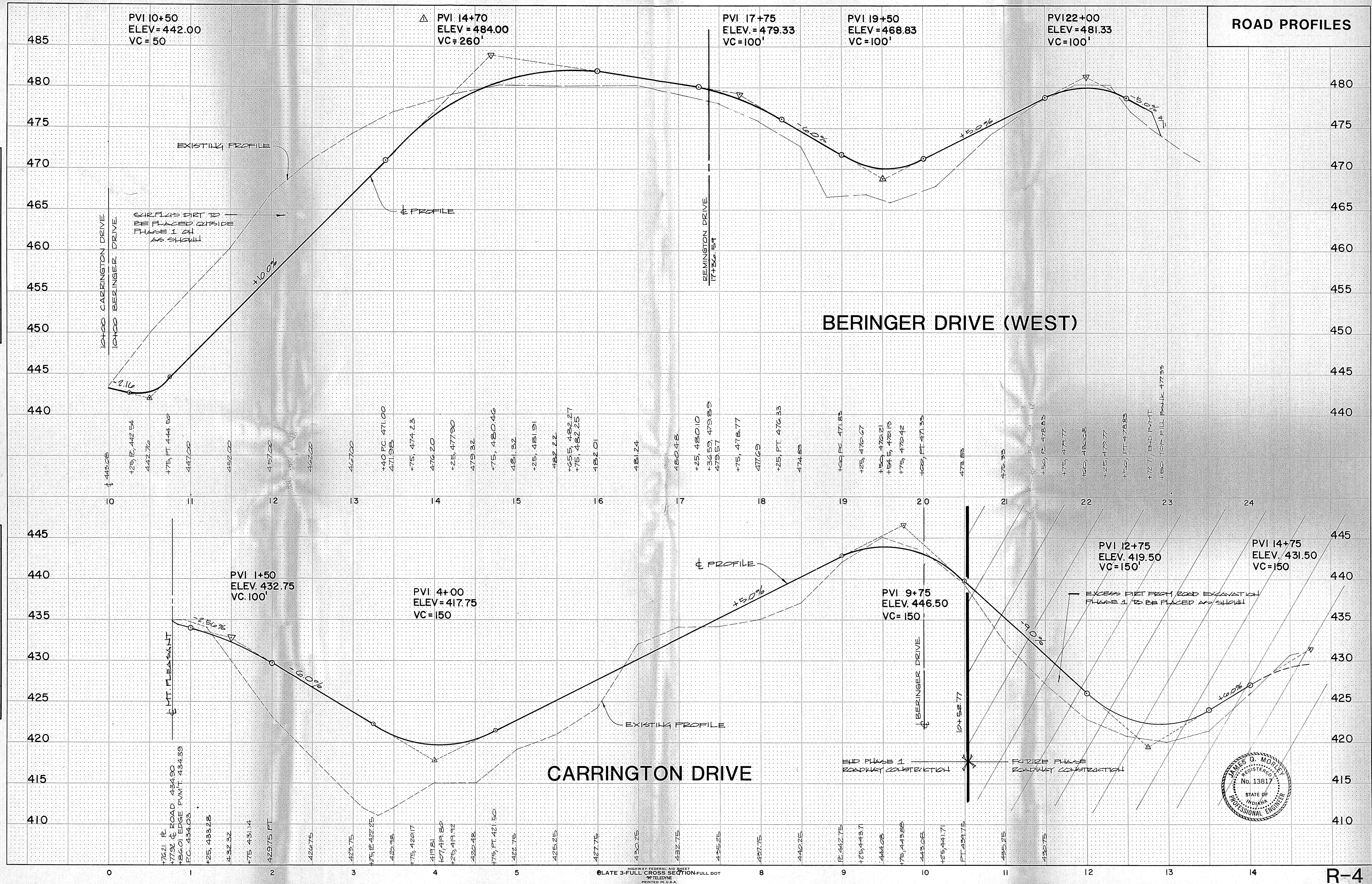


1
R-3 INTERSECTION OF REMINGTON DRIVE &



DATE	
BY	
SURVEYED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
SURVEYED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

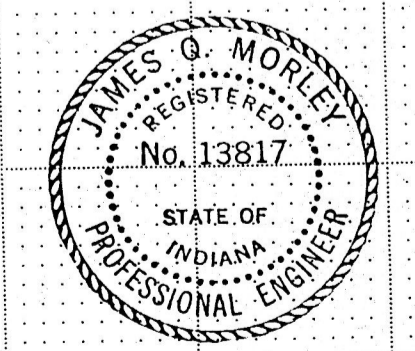
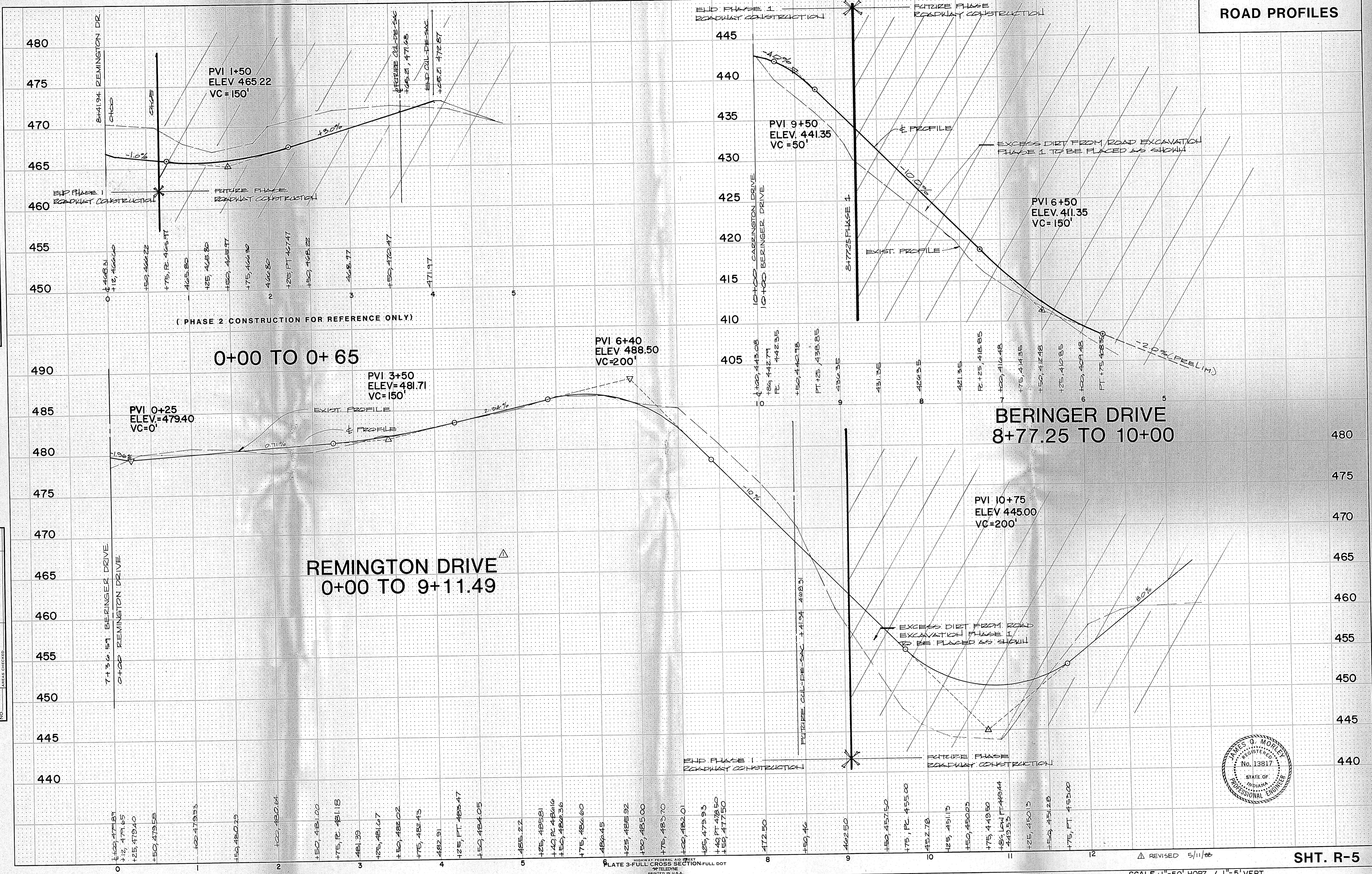


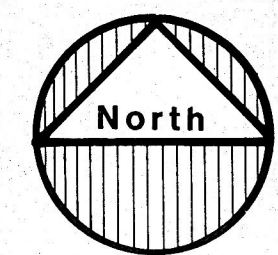
INDIANA FEDERAL AID SHEET LATE 3-FULL CROSS SECTION FULL DOT PRINTED IN U.S.A.

ROAD PROFILES

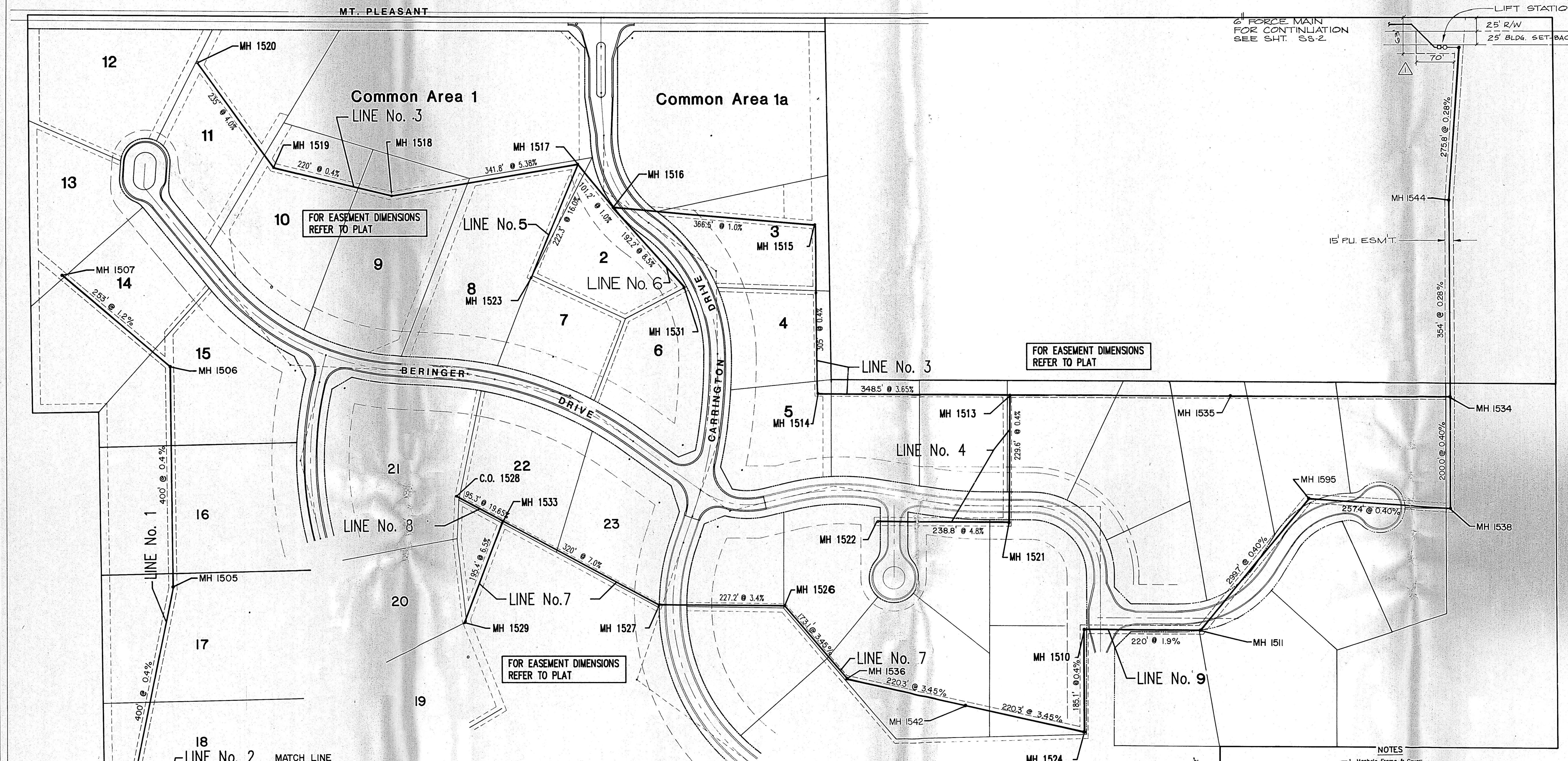
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
NO.	
CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
NO.	
CHECKED	





SCALE 1" : 100'



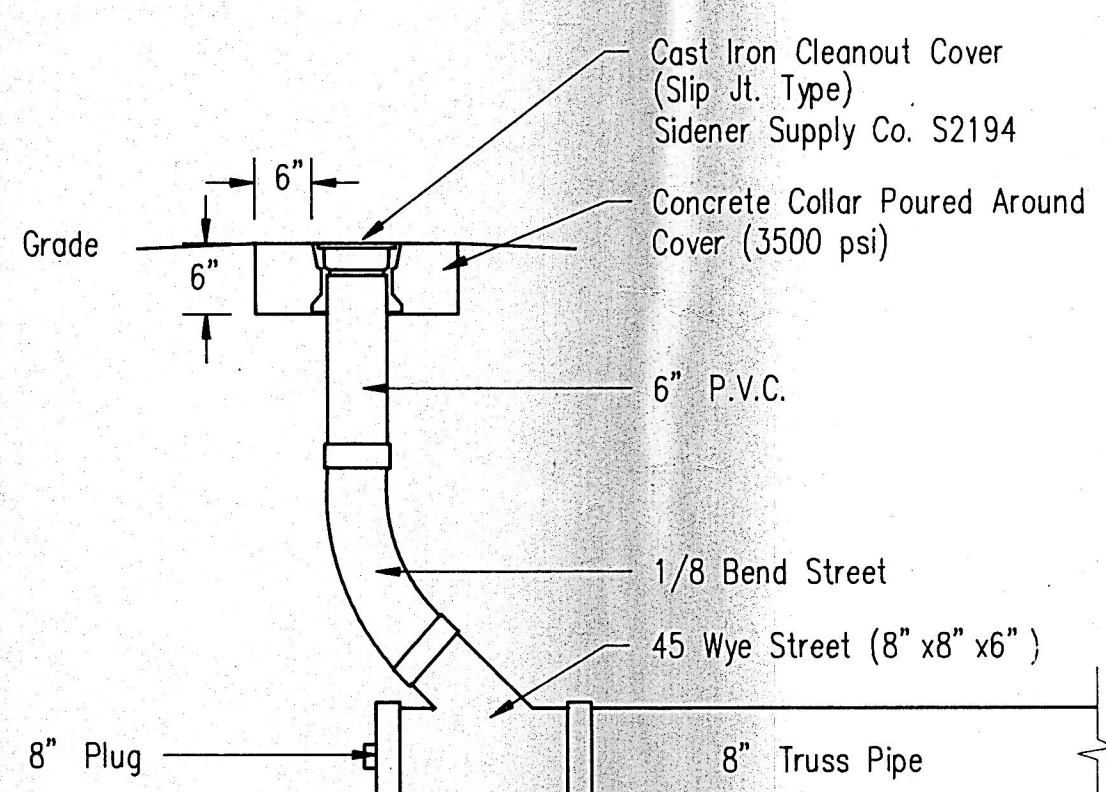
FOR EASEMENT DIMENSIONS REFER TO PLAT

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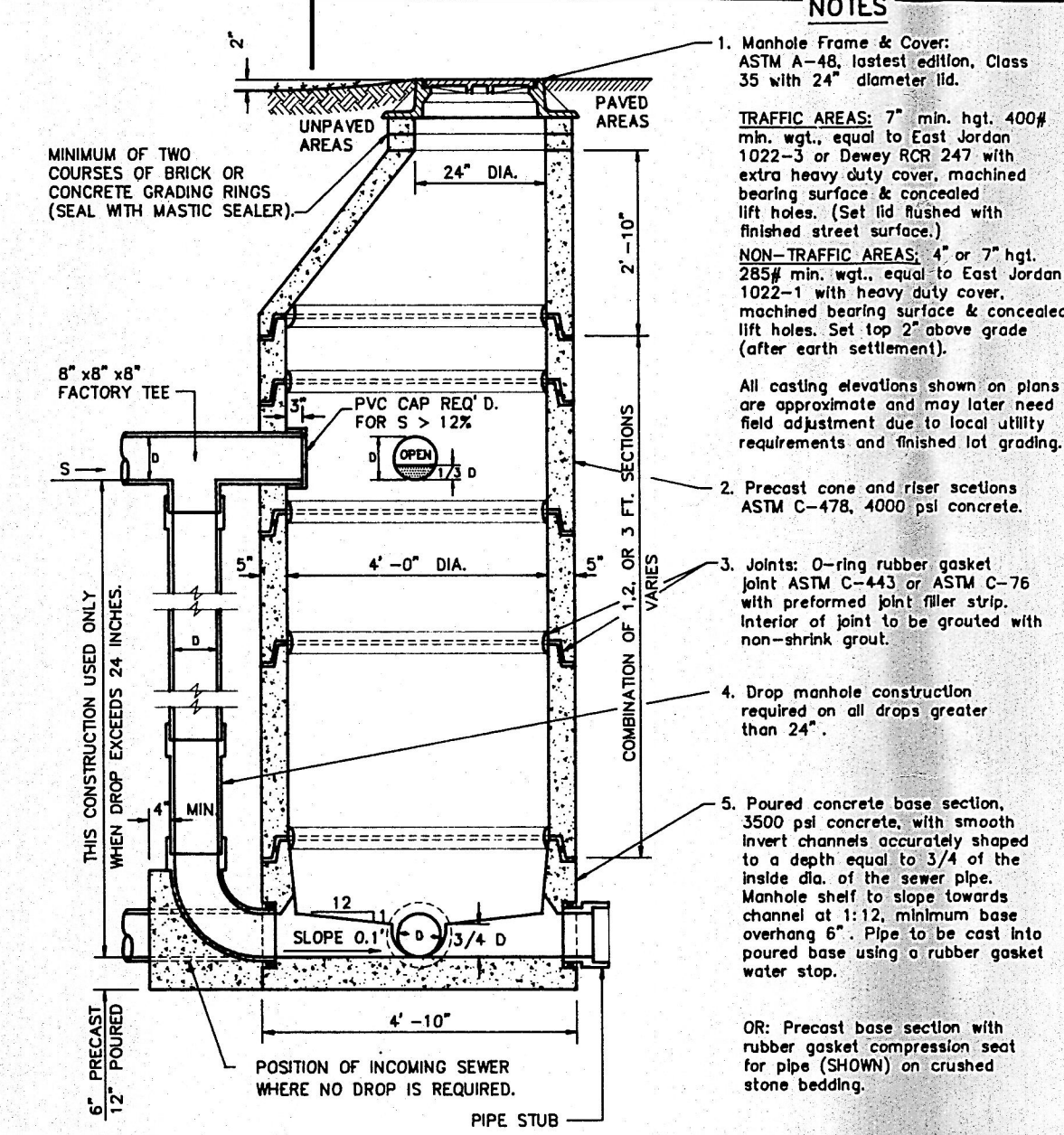
FOR EASEMENT DIMENSIONS REFER TO PLAT

FOR EASEMENT DIMENSIONS REFER TO PLAT

STR NO.		NORTH		EAST
1500	N	1966.4205	E	1015.4054
1501	N	2029.8975	E	1016.6153
1502	N	2429.8787	E	1012.7446
1503	N	2809.8810	E	1009.0874
1504	N	3209.7179	E	1019.7657
1505	N	3601.2974	E	1101.4080
1506	N	4001.2787	E	1097.5373
1507	N	4164.2413	E	903.8123
1510	N	3523.2767	E	2753.8319
1511	N	3521.9635	E	2973.8280
1513	N	3945.6458	E	2620.1870
1514	N	3947.7253	E	2271.7004
1515	N	4252.6931	E	2267.2708
1516	N	4284.5211	E	1902.1283
1517	N	4362.9687	E	1838.2508
1518	N	4305.8920	E	1501.2221
1519	N	4357.5516	E	1287.3733
1520	N	4547.2543	E	1148.7597
1521	N	3716.0860	E	2618.8168
1522	N	3717.5115	E	2379.9846
1523	N	4157.3871	E	1753.5679
1524	N	3338.1673	E	2752.7270
1525	N	3565.5196	E	2209.9017
1527	N	3568.4268	E	1982.6856
1528	N	3764.5558	E	1616.6281
1529	N	3537.3295	E	1630.1253
1531	N	4141.1376	E	2030.1320
1533	N	3719.5536	E	1700.6205
1534	N	3940.8999	E	3415.5028
1535	N	3943.2589	E	3020.1799
1536	N	3435.4248	E	2322.5905
1538	N	3740.8926	E	3415.1366
1542	N	3386.7960	E	2537.8627
1543	N	4569.8252	E	3436.1193
1544	N	4294.8981	E	3414.3812
1595	N	3757.4256	E	3159.2777



CLEANOUT DETAIL



PRECAST CONCRETE MANHOLE DETAIL

NOTES

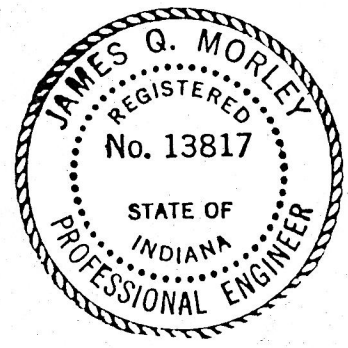
- Manhole Frame & Cover: ASTM A-48, latest edition, Class 35 with 24" diameter lid.
 - TRAFFIC AREAS: 7' min. hgt. 400# min. wgt. equal to East Jordan 1022-3 or Dewey RCP 247 with extra heavy duty cover, machined bearing surface & concealed lift holes. (Set lid flush with finished street surface).
 - NON-TRAFFIC AREAS: 4' or 7' hgt. 250# min. wgt. equal to East Jordan 1022-1 with heavy duty cover, machined bearing surface & concealed lift holes. Set top 2' above grade (after earth settlement).
 - All casting elevations shown on plans are approximate and may later need field adjustment due to local utility requirements and finished lot grading.
 2. Precast cone and riser sections ASTM C-478, 4000 psi concrete.
 3. Joints: O-ring rubber gasket joint ASTM C-443 or ASTM C-76 with preformed joint filler strip. Interior of joint to be grouted with non-shrink grout.
 4. Drop manhole construction required on all drops greater than 24".
 5. Poured concrete base section, 3500 psi concrete, with smooth invert channels accurately shaped to a depth equal to 3/4 of the inside dia. of the sewer pipe. Manhole shelf to slope towards channel at 1:12, minimum base overhang 6". Pipe to be cast into poured base using a rubber gasket water stop.
- OR: Precast base section with rubber gasket compression seat for pipe (SHOWN) on crushed stone bedding.

Rev.	By	Date	Description
1	KJP	7-7-88	681/35 LIFT STA. LOCATION

Morley and Associates, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
605 S.E. SEVENTH STREET / EVANSVILLE, INDIANA 47713 / (812) 464-9885

SANITARY SEWER INDEX

Scale: 1" : 100'
Drawn By: M.A.E.
Checked By: J.A.F.
Date: 3-22-88
Project No: 88-1583-4

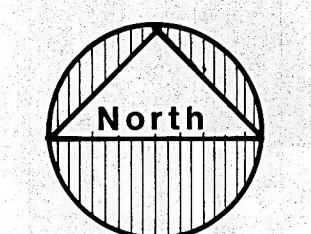


Sheet No. **SS-1**
of



STRUCTURE	PIPE LENGTH & SIZE
1621 INTAKE	41' OF 21" ALUM.
1622 OUTFALL	2-22 1/2 DEGREE BENDS
1610 INTAKE	100' OF 21" RCP
1611 OUTFALL	100' OF 21" RCP
1608 CURB TURNOUT	30' OF ADD. PSD REQD.
1609 CURB TURNOUT	ADD. RADIUS PSD REQD.
1623 INLET	54.5' OF 12" RCP
1606 INLET	100' OF 12" RCP
1607 OUTFALL	100' OF 12" RCP
1603 INLET	38.7' OF 12" RCP
1602 INLET	130' OF 15" RCP
1604 OUTFALL	END TREATMENT
1600 INLET	24' OF 12" RCP
1601 INLET	100' OF 15" RCP
1619 OUTFALL	END TREATMENT
1620 CURB TURNOUT	

N.O.	NORTH	EAST
1600	N	E
1601	N	E
1602	N	E
1603	N	E
1604	N	E
1605	N	E
1606	N	E
1607	N	E
1608	N	E
1609	N	E
1610	N	E
1611	N	E
1619	N	E
1620	N	E
1621	N	E
1622	N	E
1623	N	E



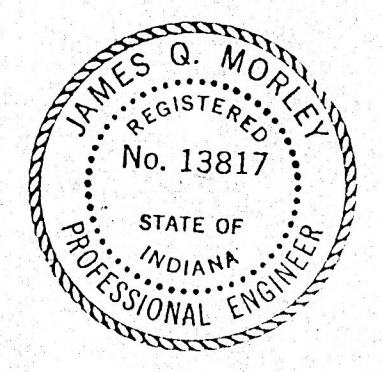
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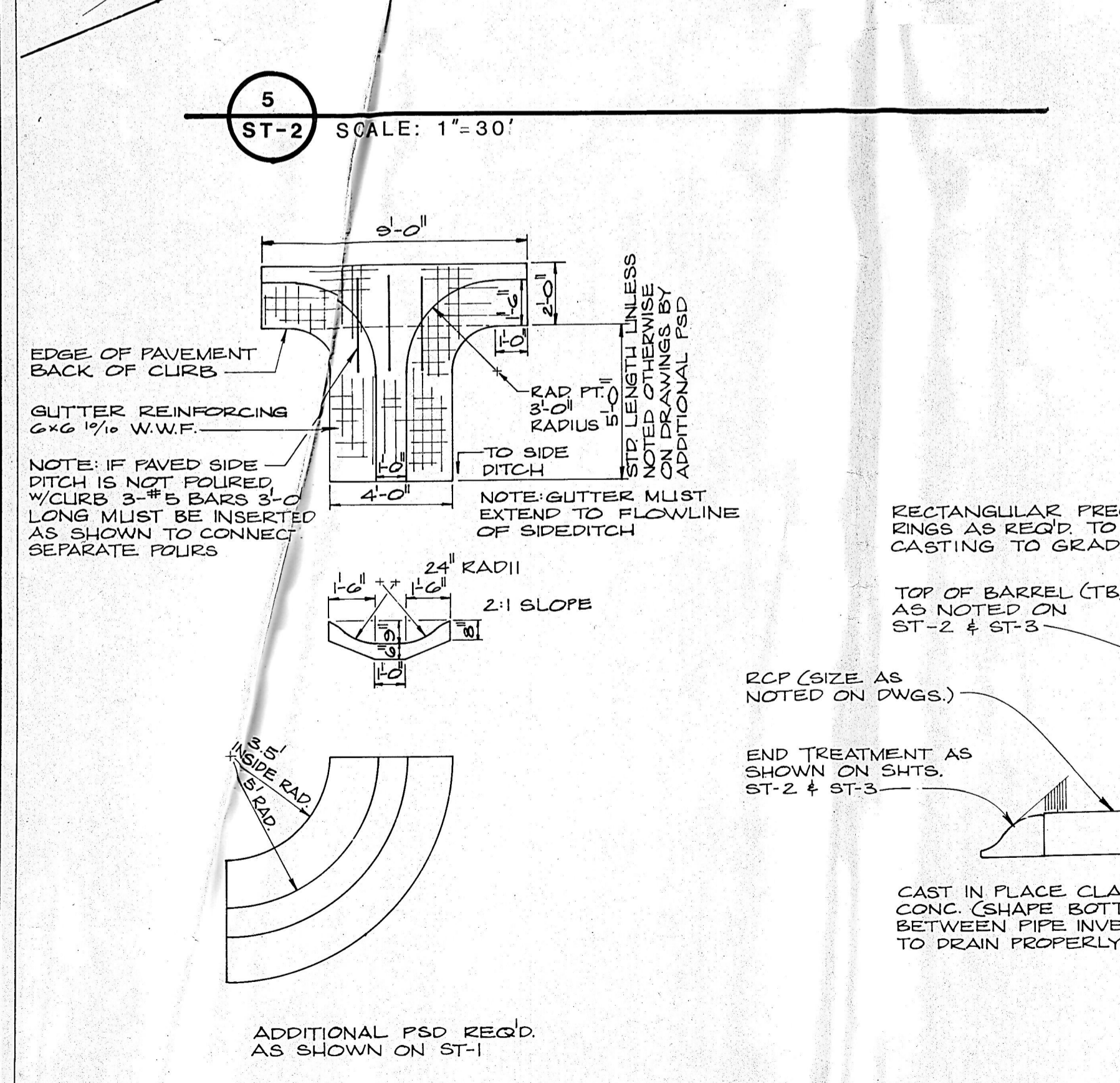
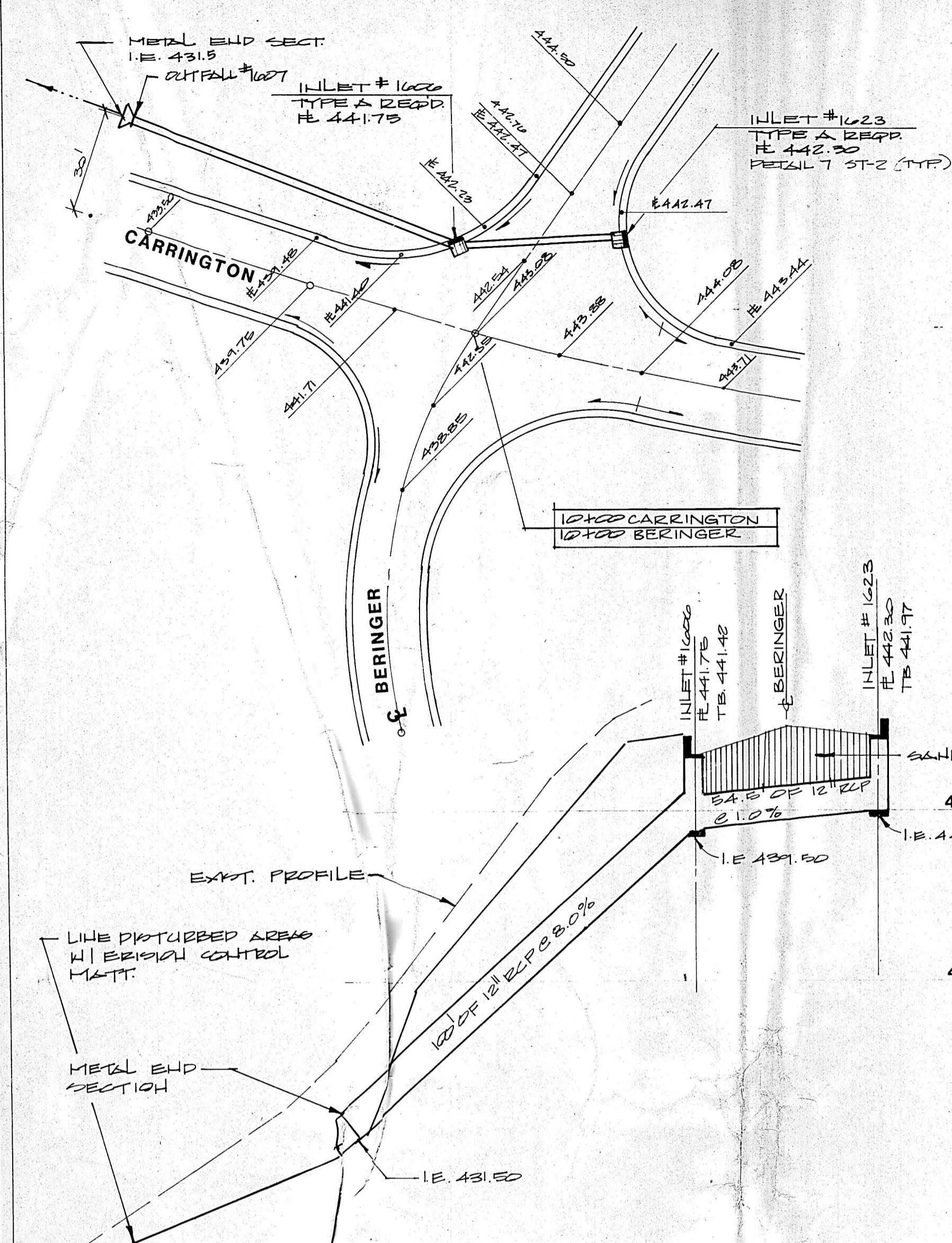
Rev.	By	Date	Description

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 CONSULTING ENGINEERS / LAND SURVEYORS
 605 S.E. SEVENTH STREET / EVANSVILLE, INDIANA 47713 / (812) 464-9686

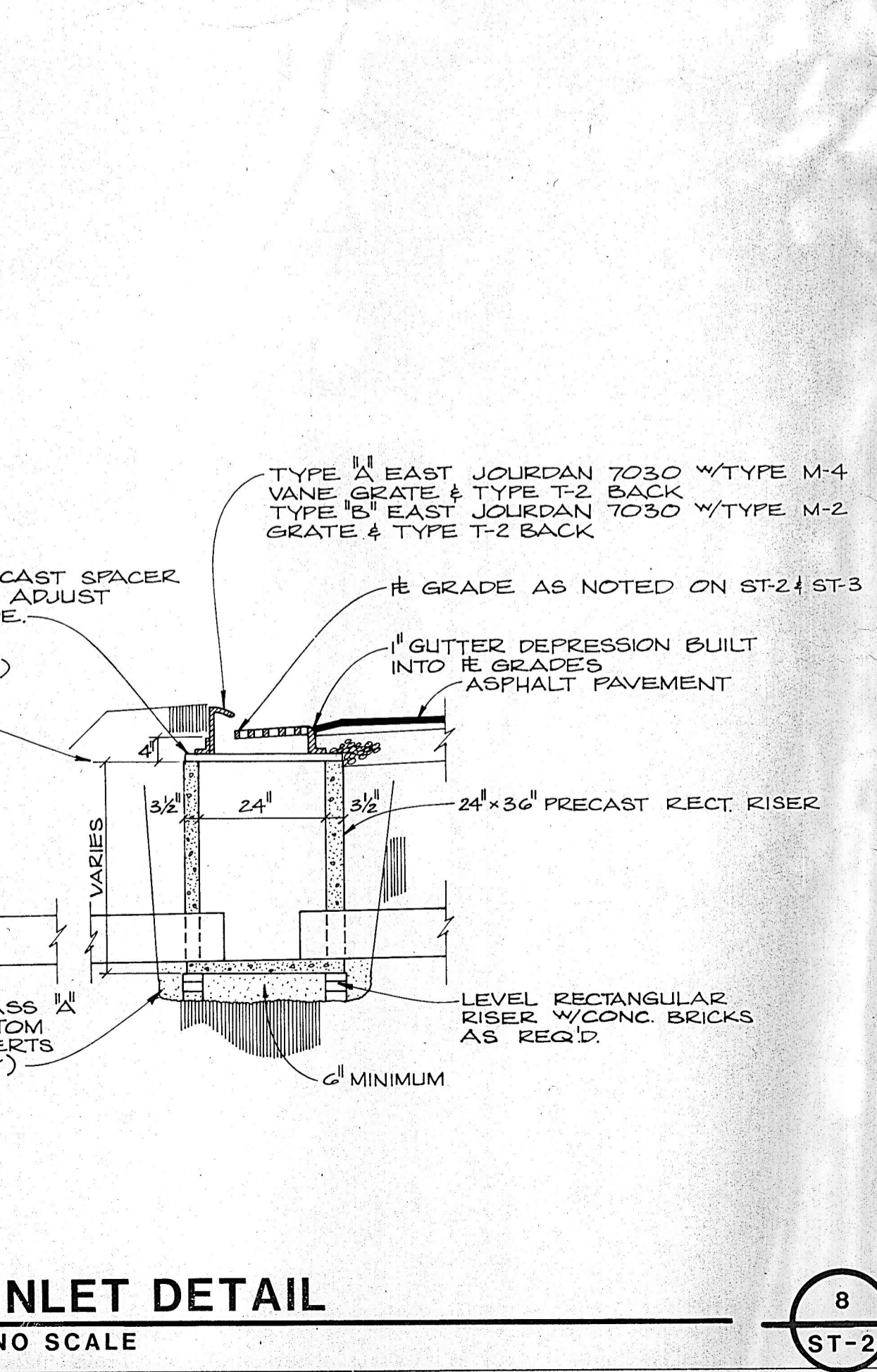
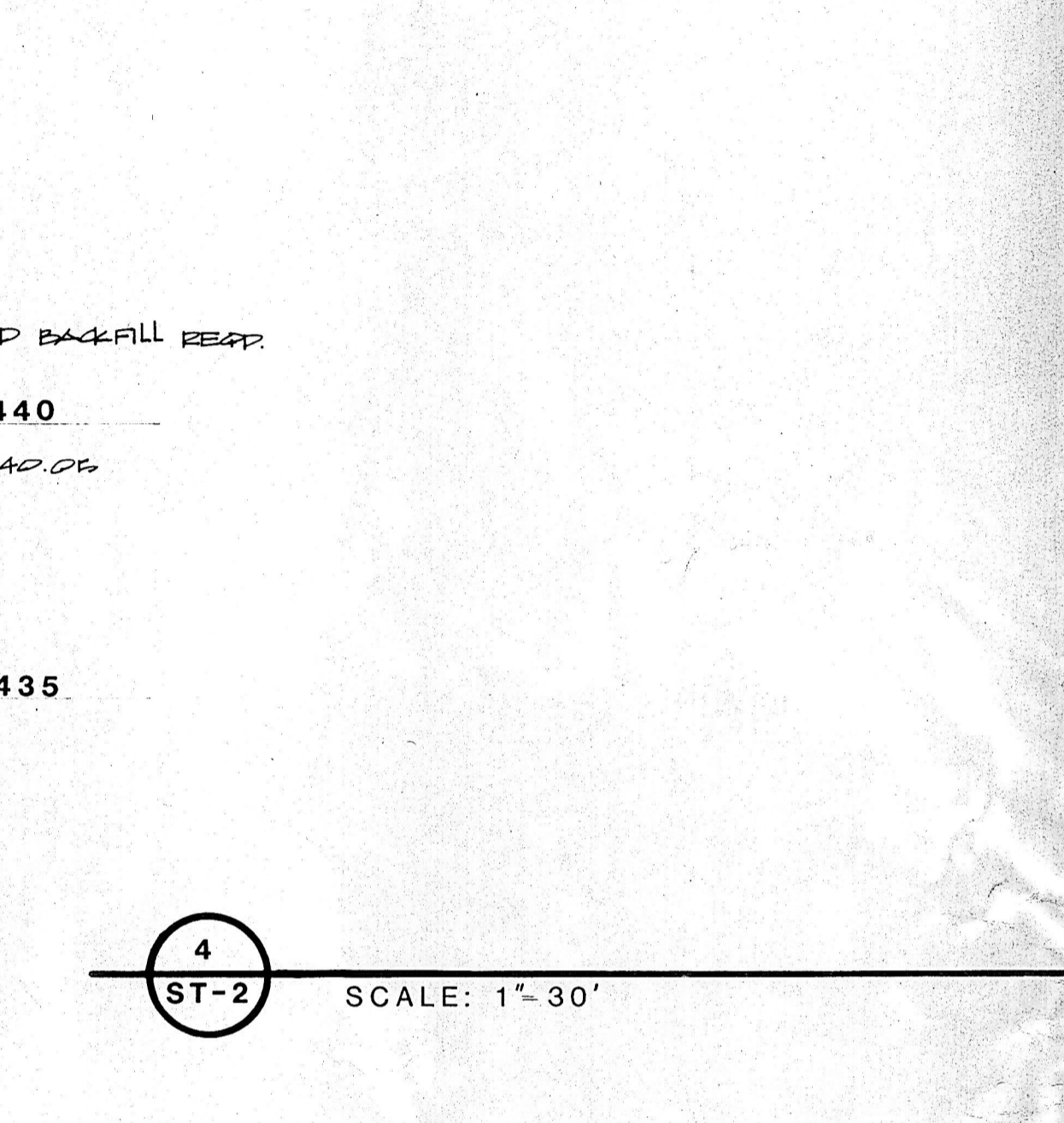
STORM SEWER INDEX

Scale: 1" = 100'
 Drawn By: MAE
 Checked By: JAF
 Date:
 Project No: 88-1583-4

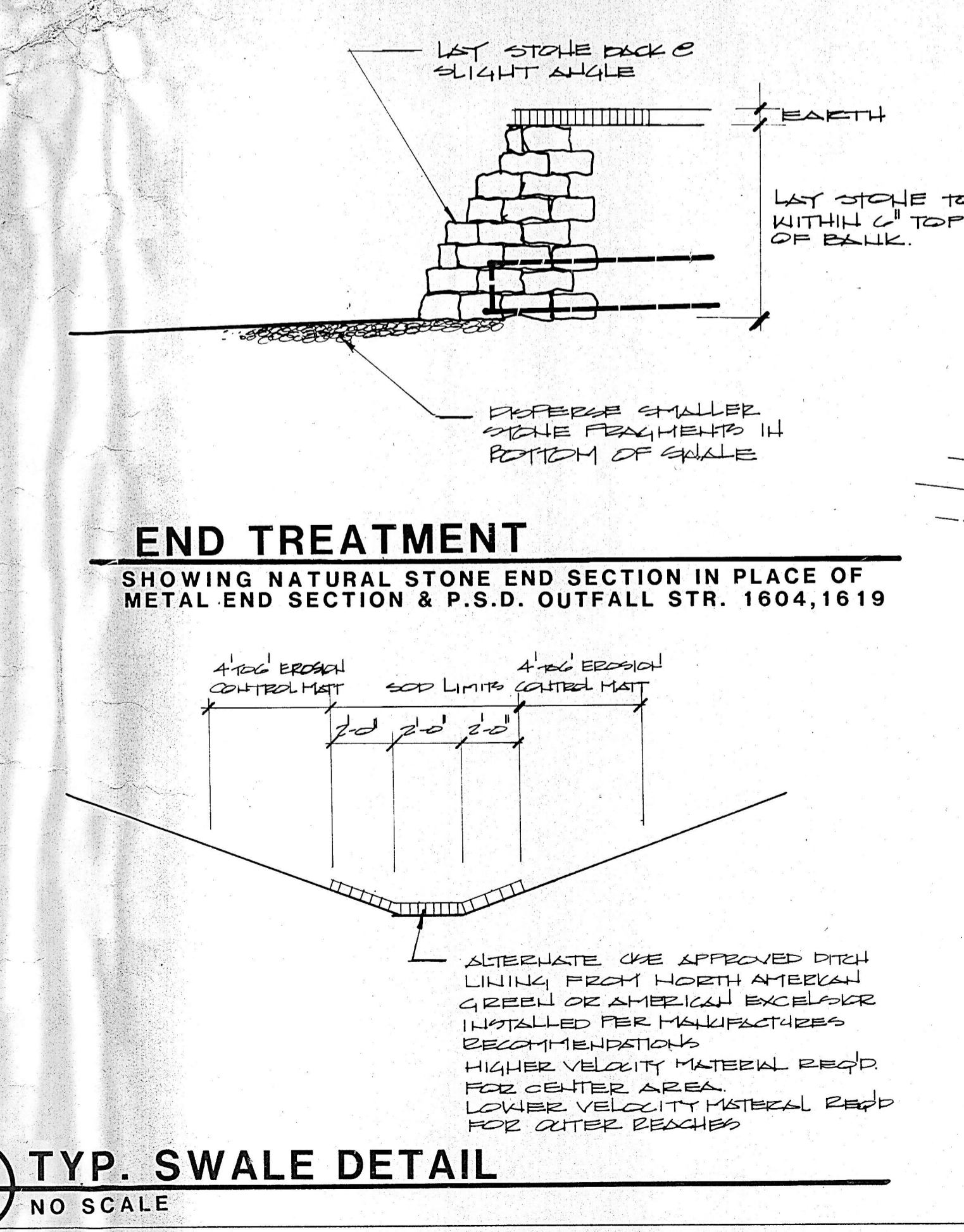
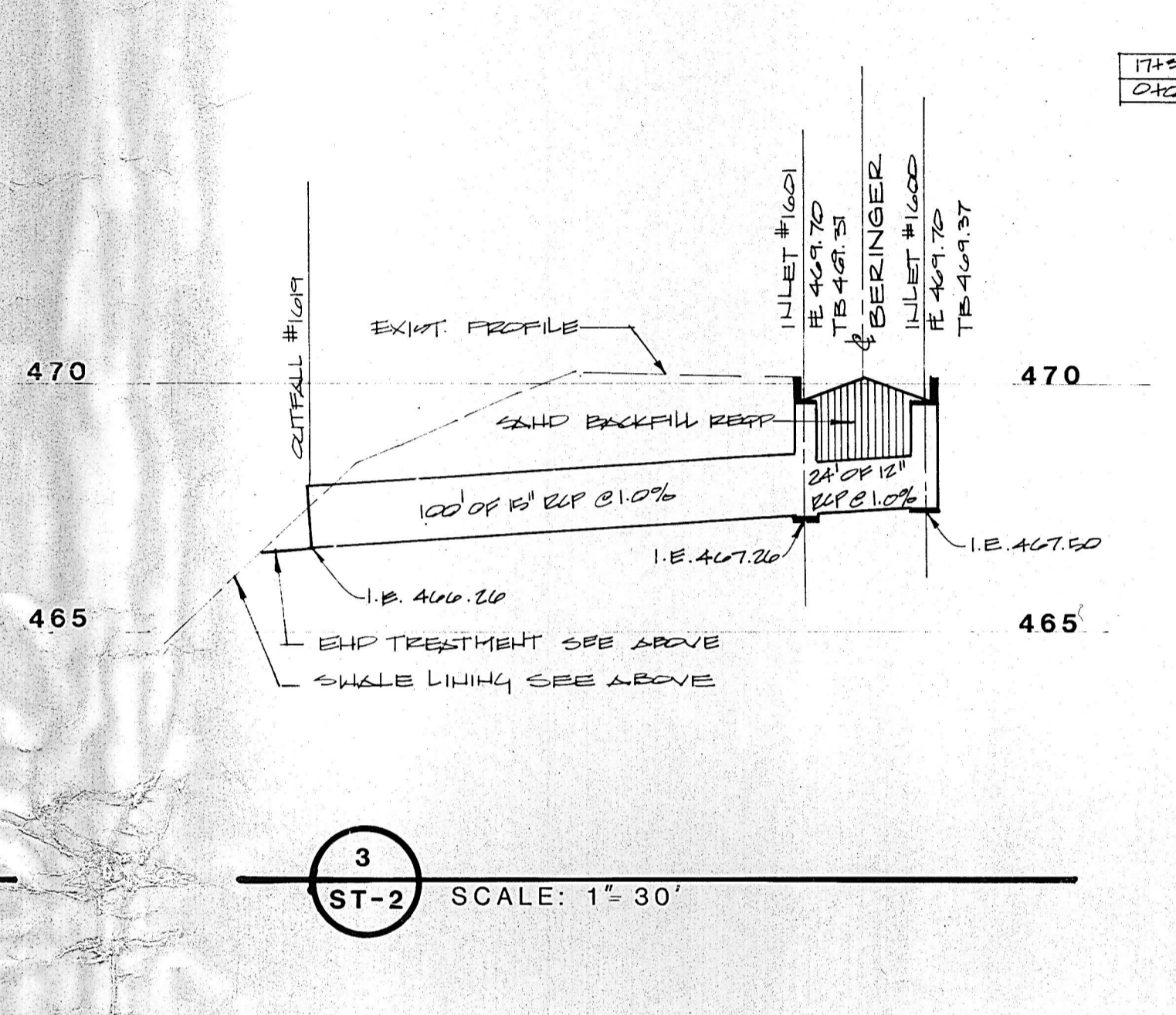




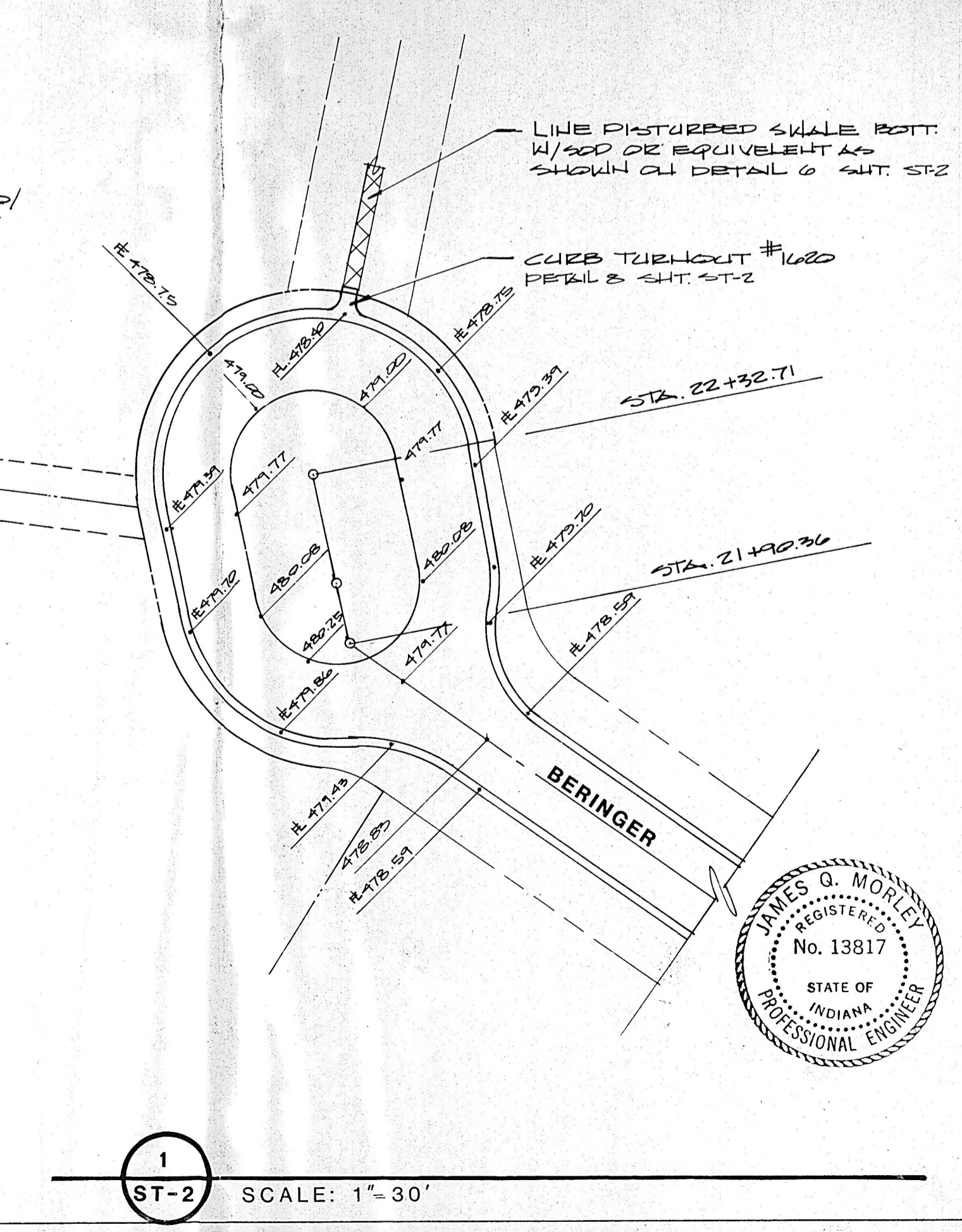
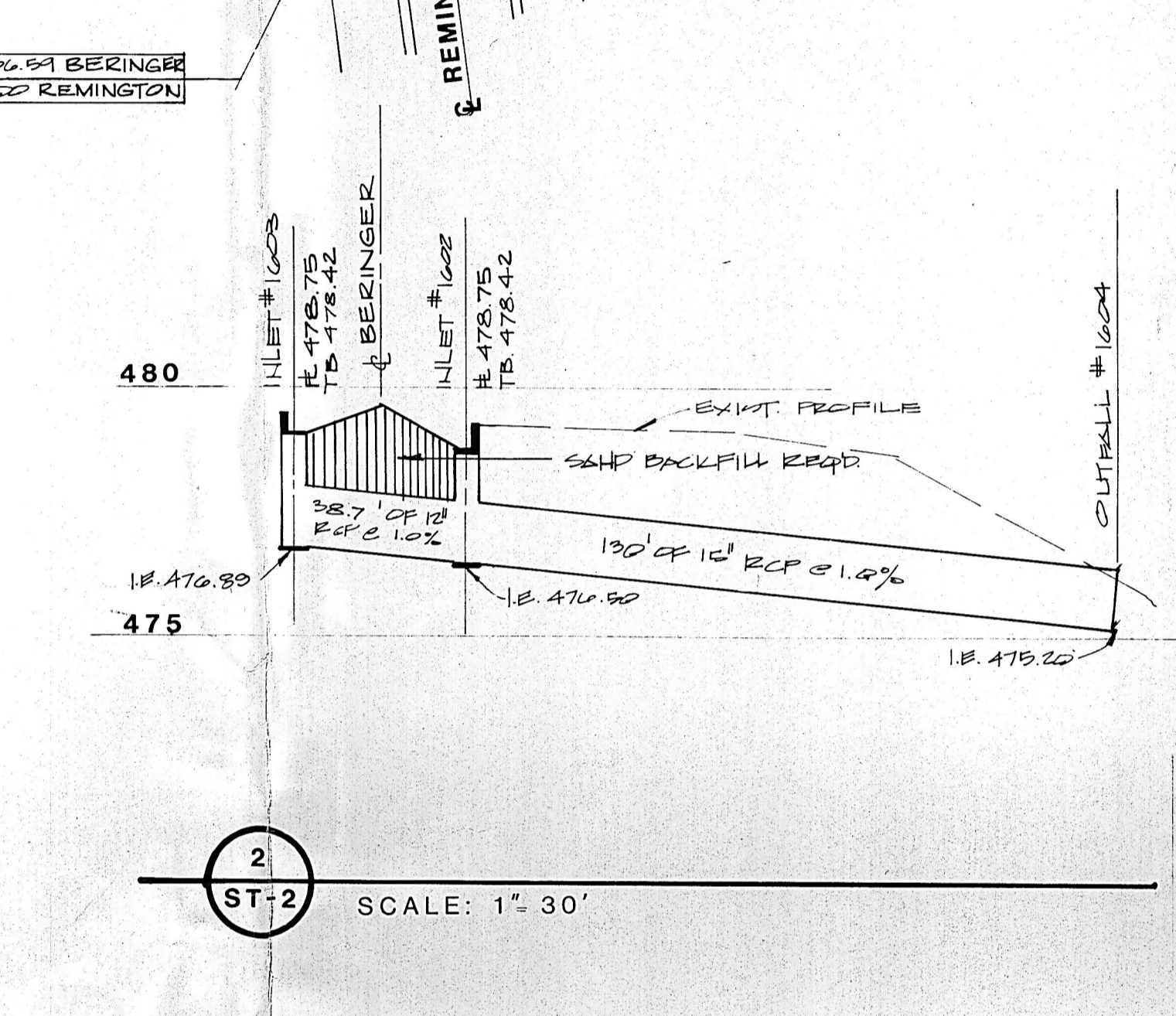
6 INTEGRAL CURB TURNOUT
ST-2 NO SCALE



7 INLET DETAIL
ST-2 NO SCALE



8 TYP. SWALE DETAIL
ST-2 NO SCALE



1 END TREATMENT
ST-2 NO SCALE

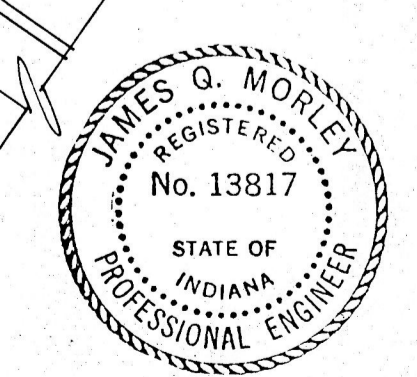
Rev.	By	Date	Description

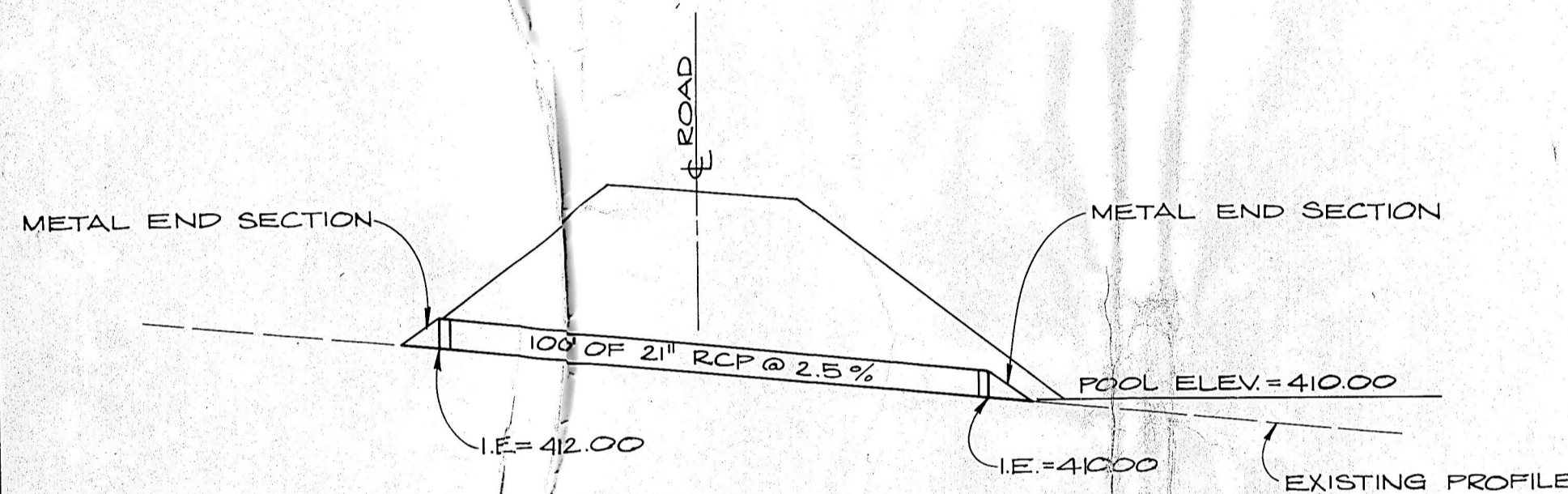
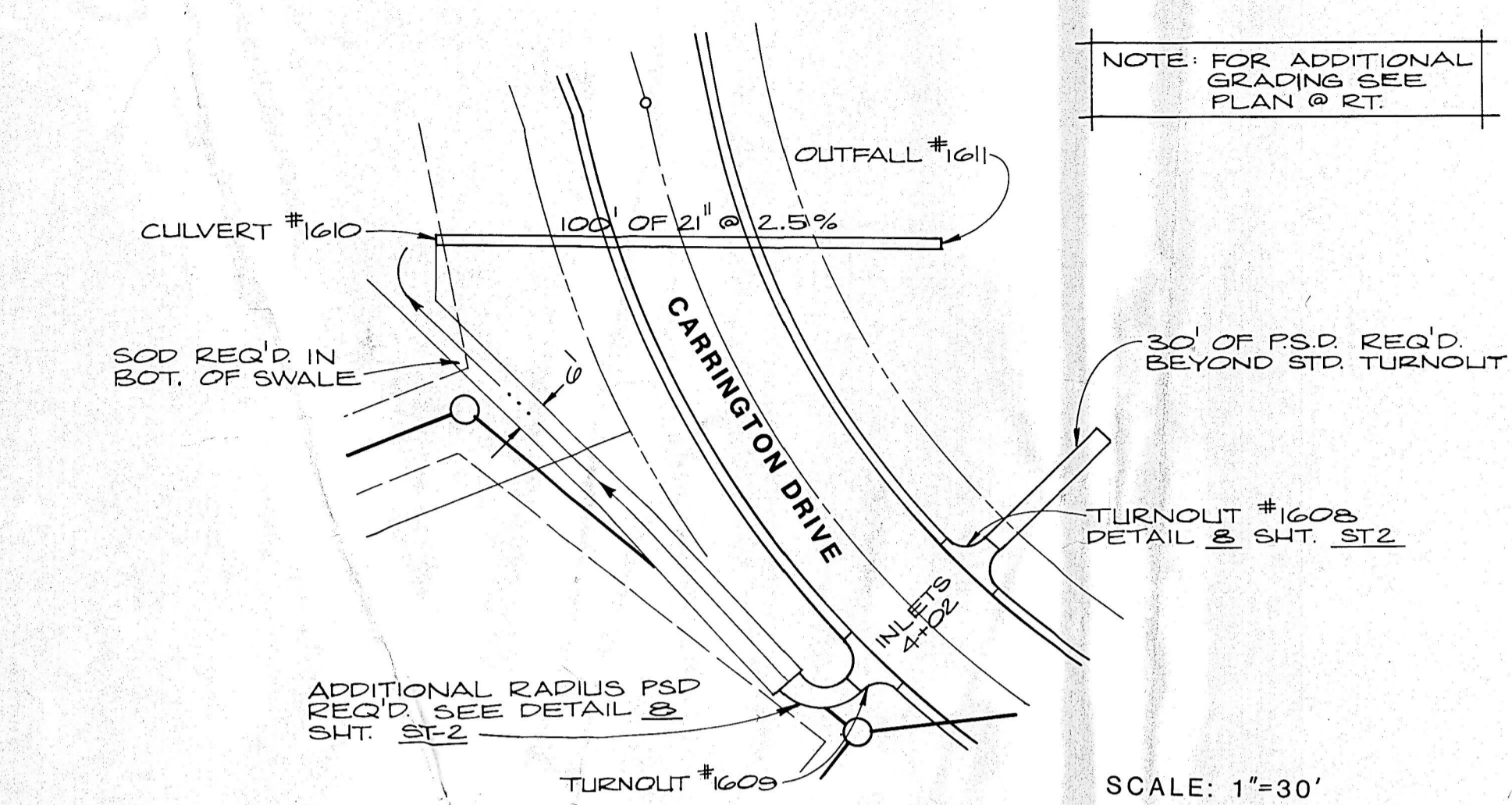
Morley and Associates, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
605 S.E. SEVENTH STREET / EVANSVILLE, INDIANA 47713 / (812) 464-9585

**STORM SEWER
PLAN & PROFILES
(MISC. DETAILS)**

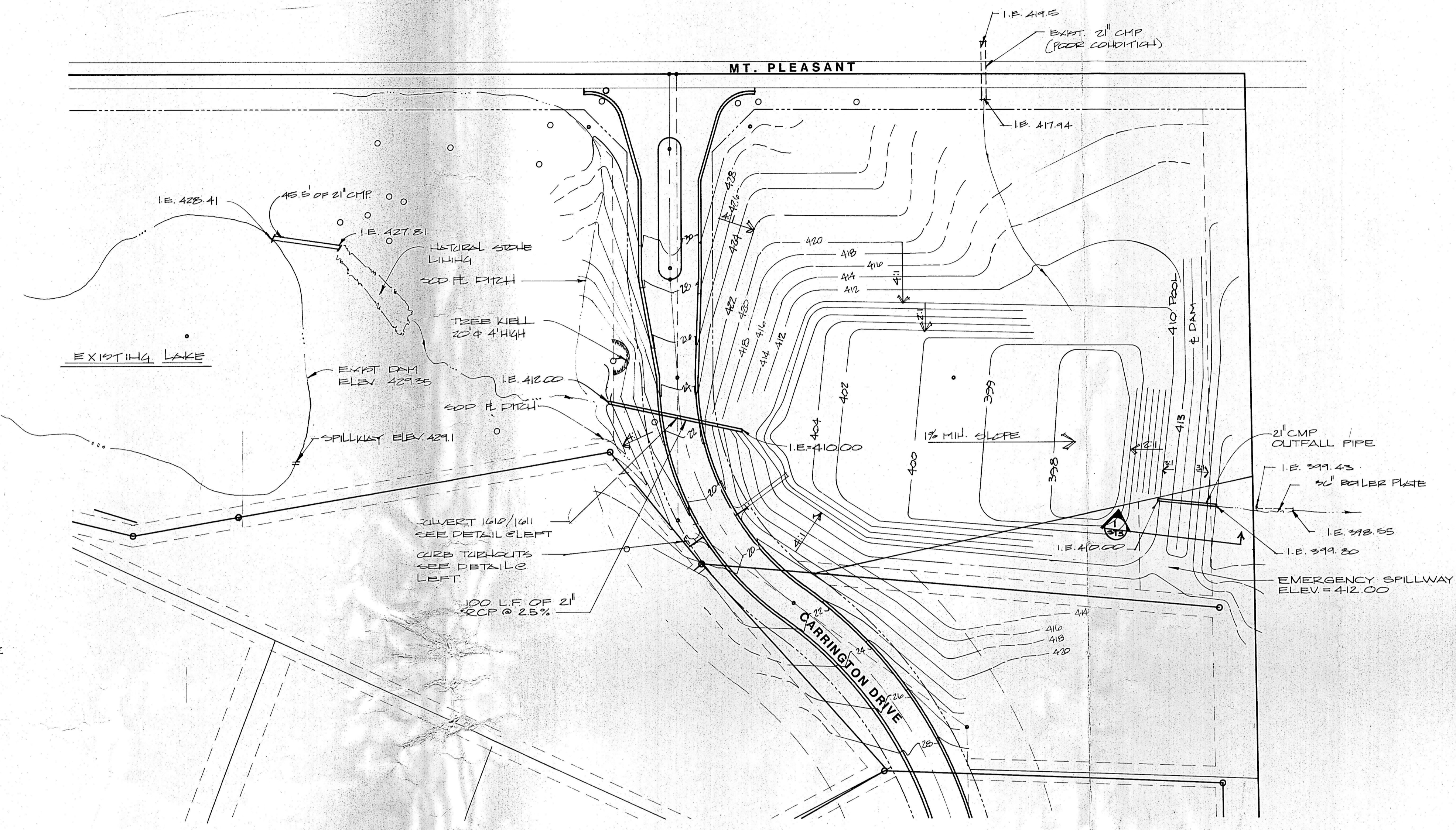
Scale: AS SHOWN
Drawn By: M.A.E.
Checked By: J.A.F.
Date:
Project No: 88-1583-4

Sheet No.
ST-2
of

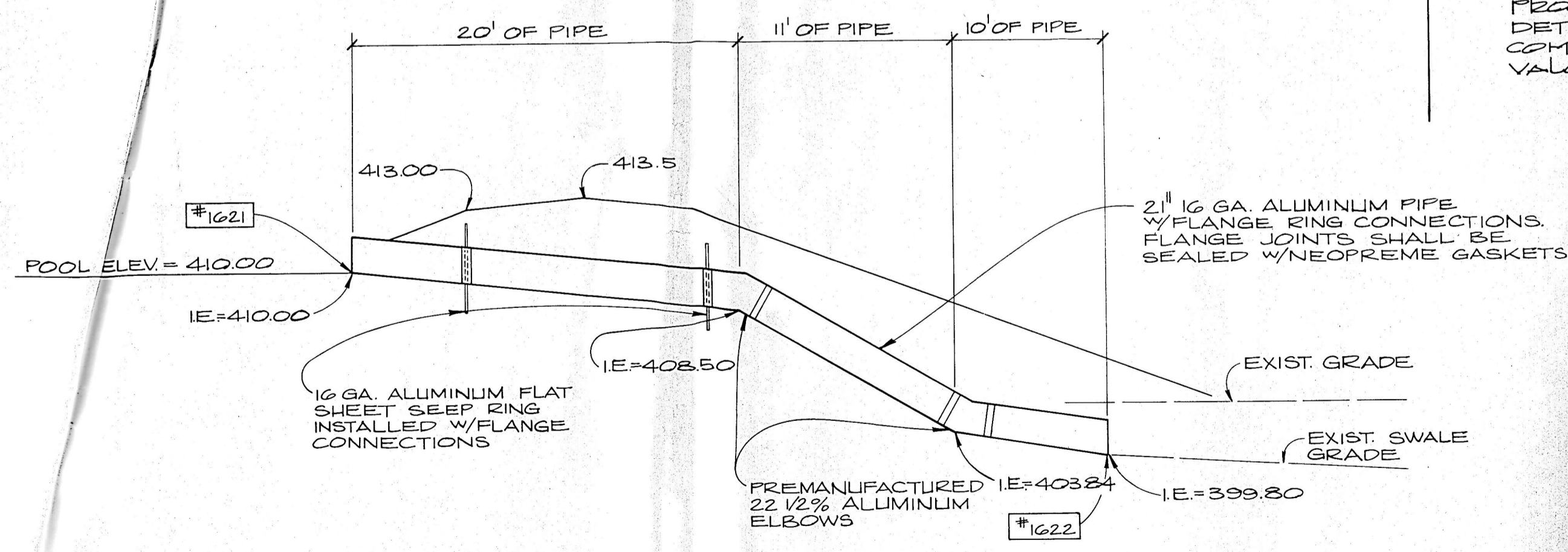




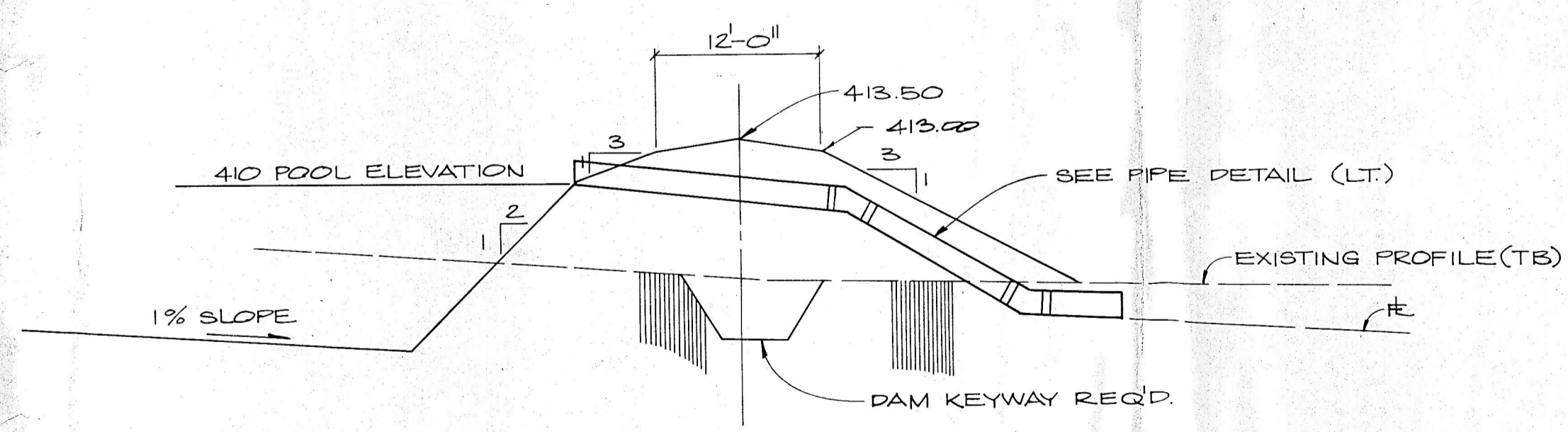
2 CULVERT (1610/1611)
ST-3 SCALE: 1"=30' HORIZ., 1"=10' VERT.



NOTE:
 PROCTER VALUES HAVE BEEN DETERMINED. DAM SHALL BE COMPACTED TO 95% PROCTER VALUE.



1A OUTFALL PIPE DETAIL
ST-3 NO SCALE



1 DAM SECTION
ST-3 SCALE: 1"=10' HORIZ., 1"=10' VERT.

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 605 S.E. SEVENTH STREET / EVANSVILLE, INDIANA 47713 / (812) 464-9685

LAKE GRADING PLAN & DETAILS

Scale: AS SHOWN
 Drawn By: JDW
 Checked By: JAF
 Date: 3-21-88
 Project No: 88-1593-4

Rev. By: _____ Date: _____ Description: _____

Sheet No. **ST-3**
 of _____