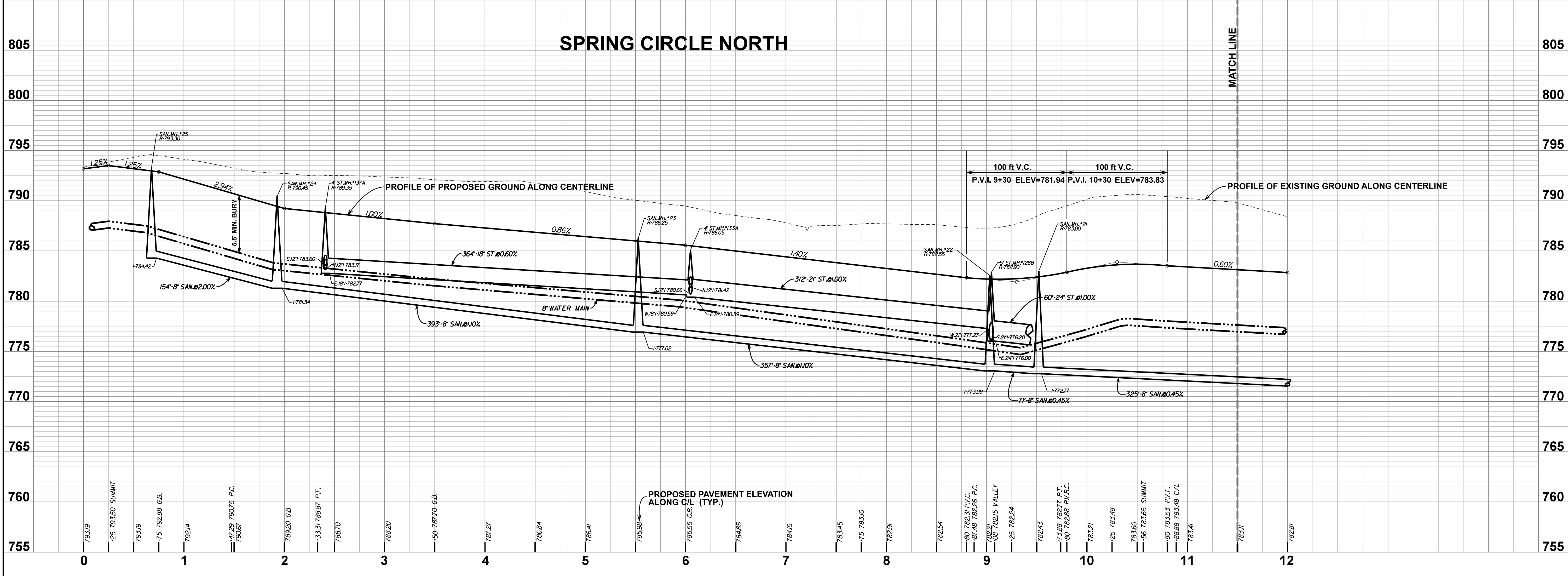
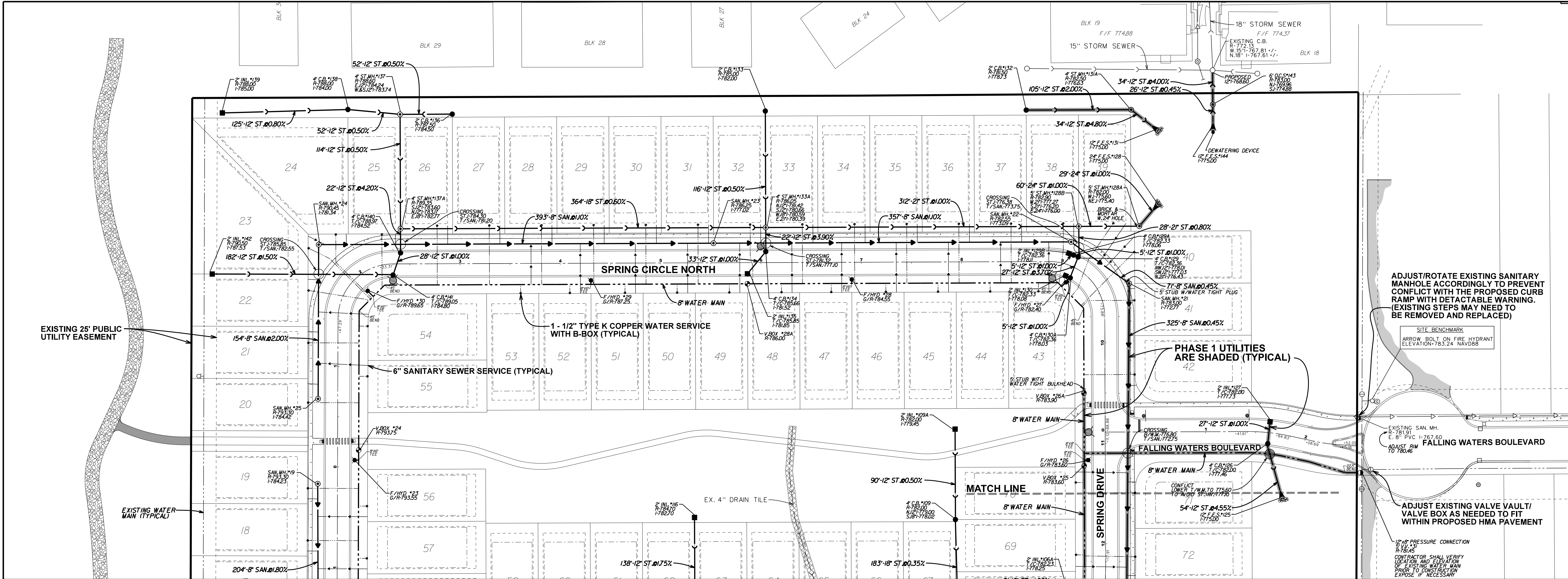




NORTH

1" = 50'

50'

25'

0'

50'

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CHECKED BY: A.K.Z.

ORIGINAL ISSUE: 12/12/19

DATE BY

DESCRIPTION

02/14/20 AKZ REVISED PER VILLAGE REVIEW COMMENTS

04/16/20 AKZ REVISED PER VILLAGE REVIEW COMMENTS

REVISIONS

PLAN AND PROFILE

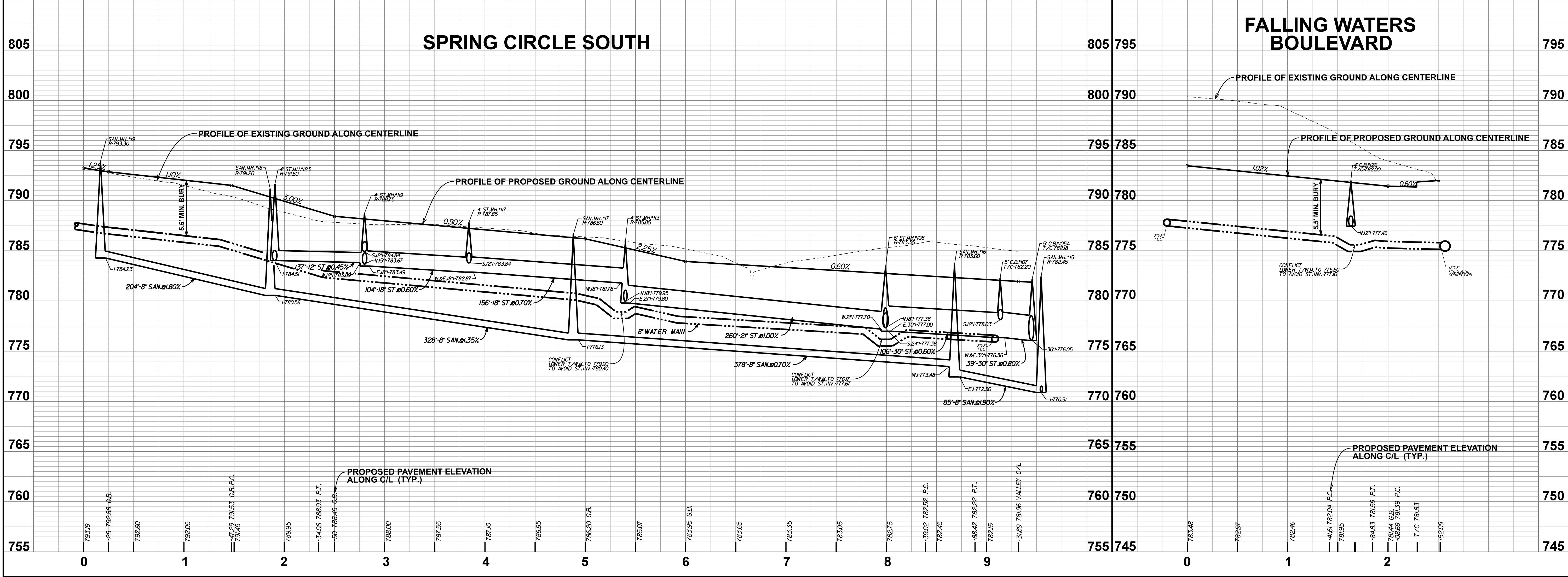
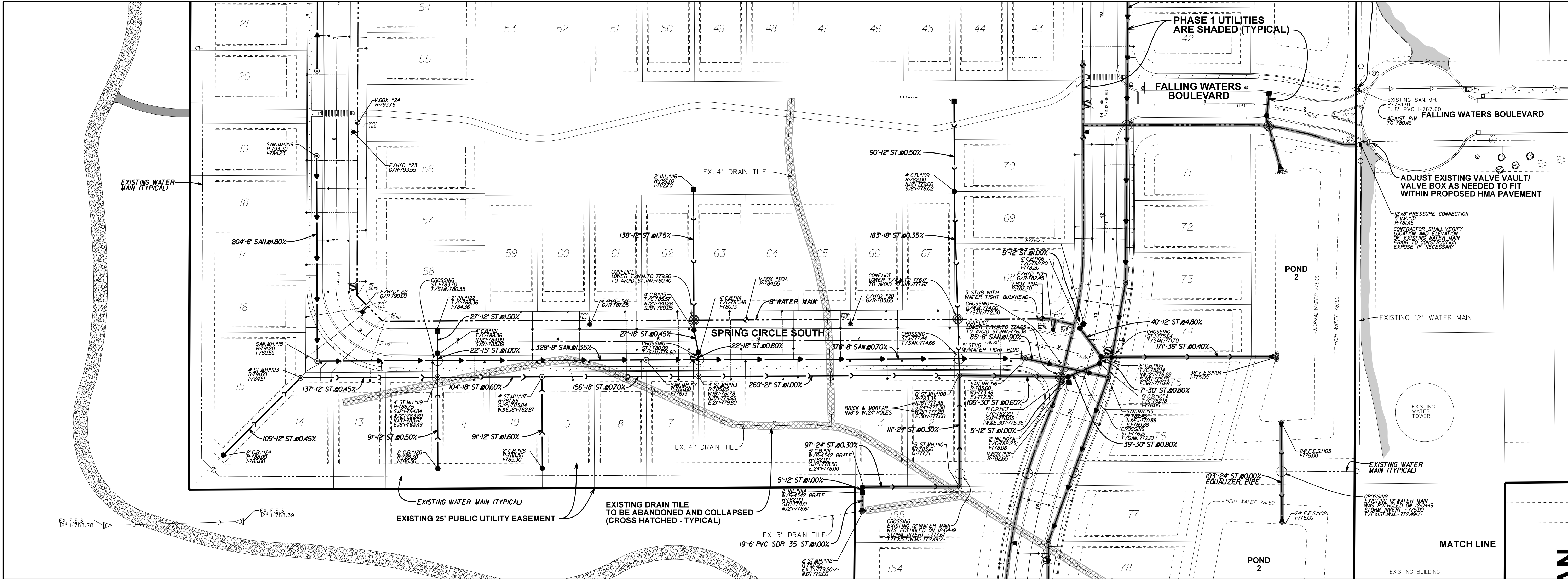
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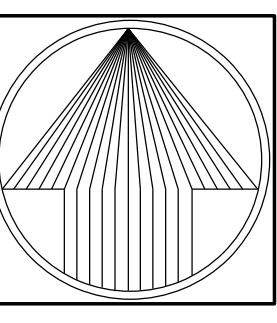
27

OF 47 SHEETS

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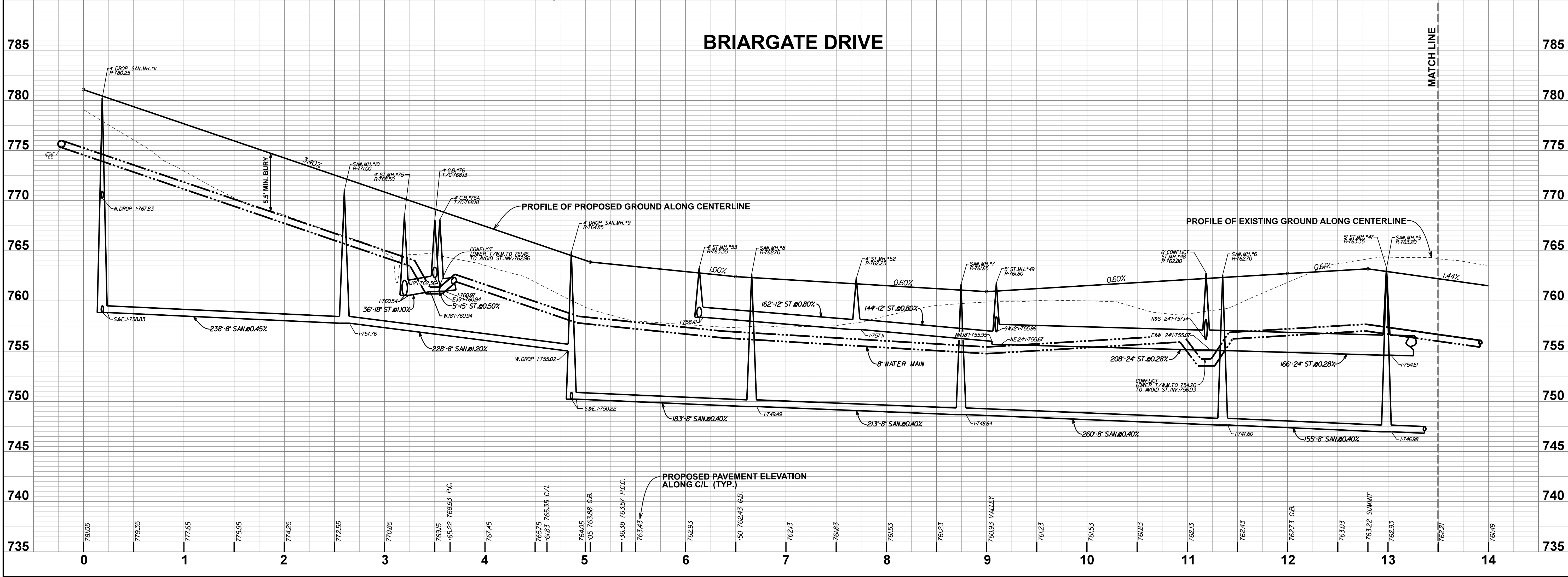
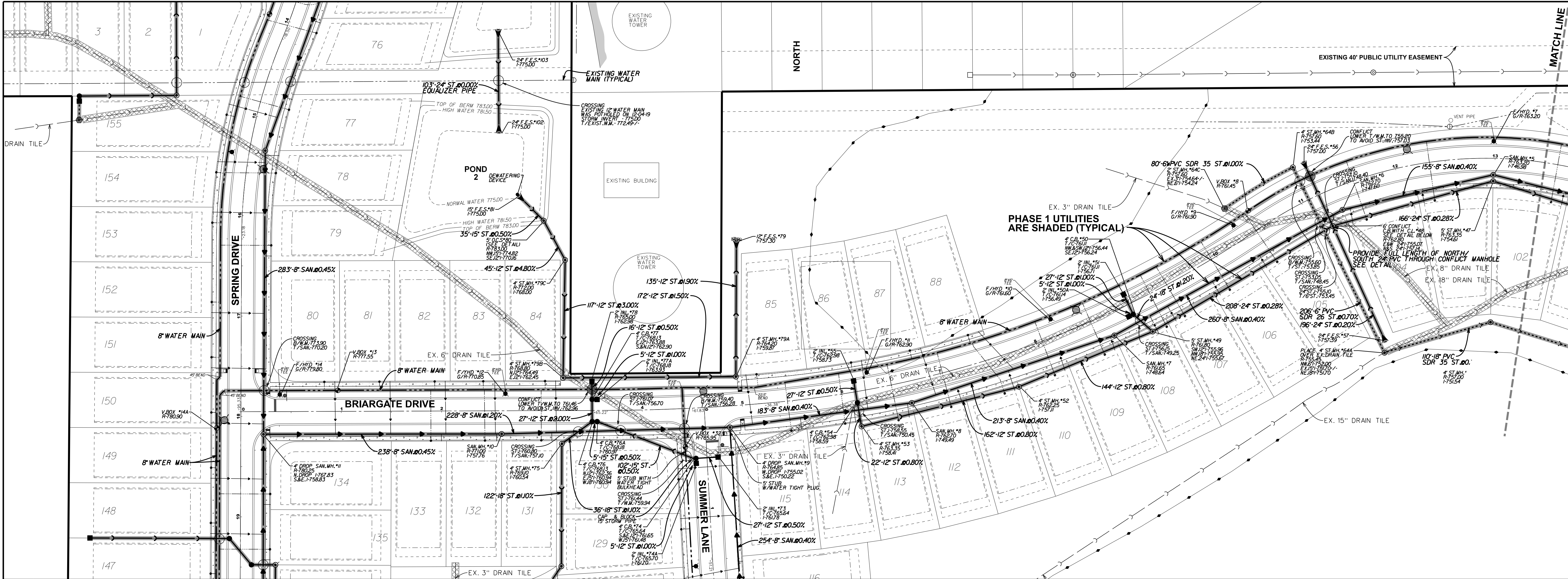
DATE BY DESCRIPTION

DATE	BY	DESCRIPTION
02/14/20	AKZ	REVISED PER VILLAGE COMMENTS
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29
OF 47 SHEETS

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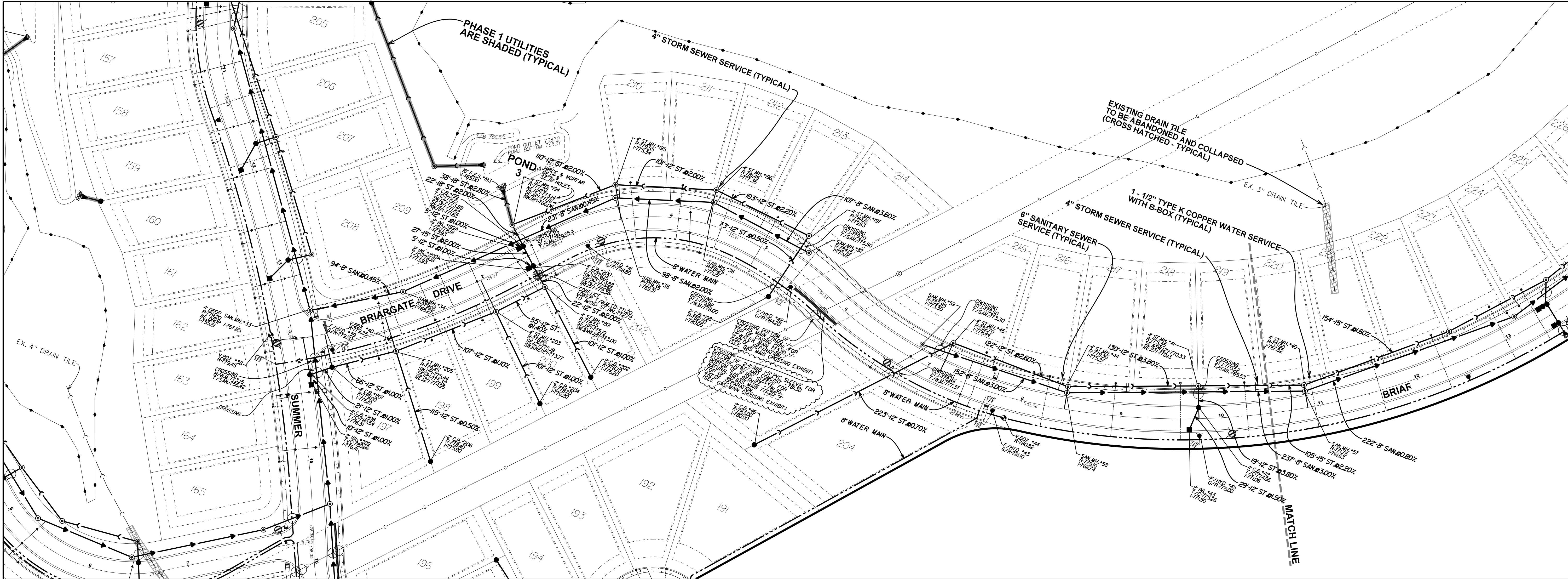
SHEET NUMBER

30

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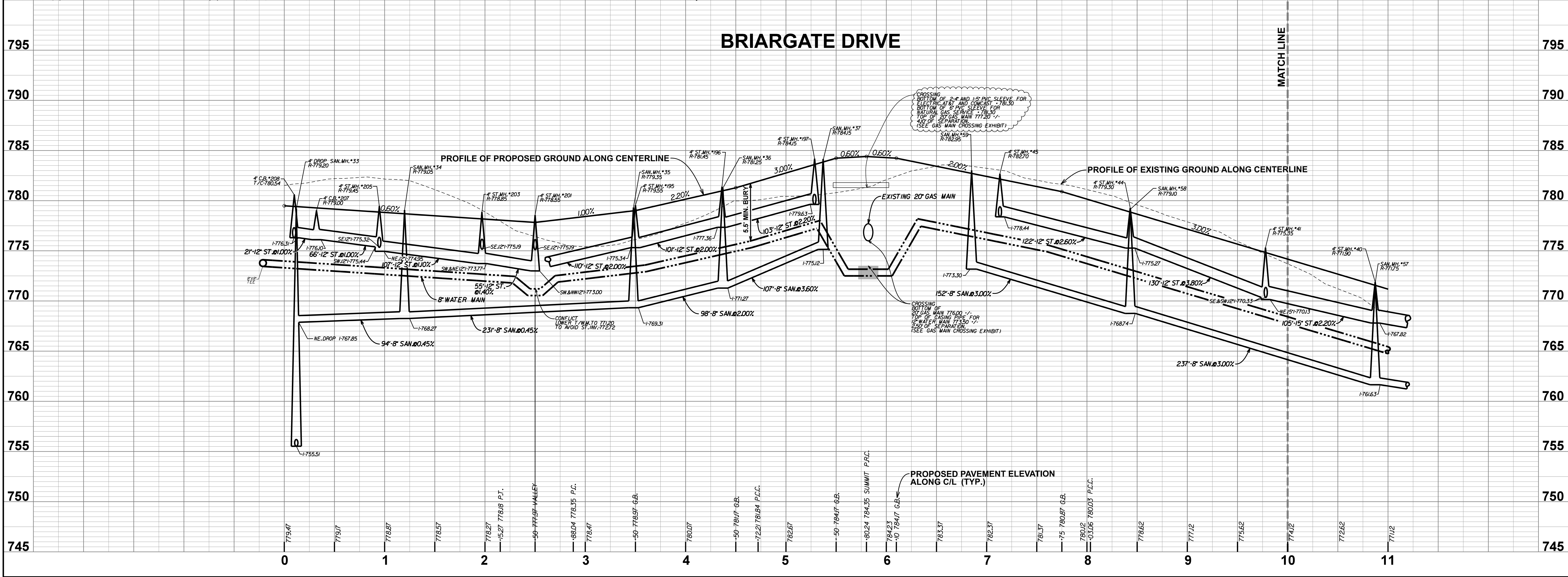
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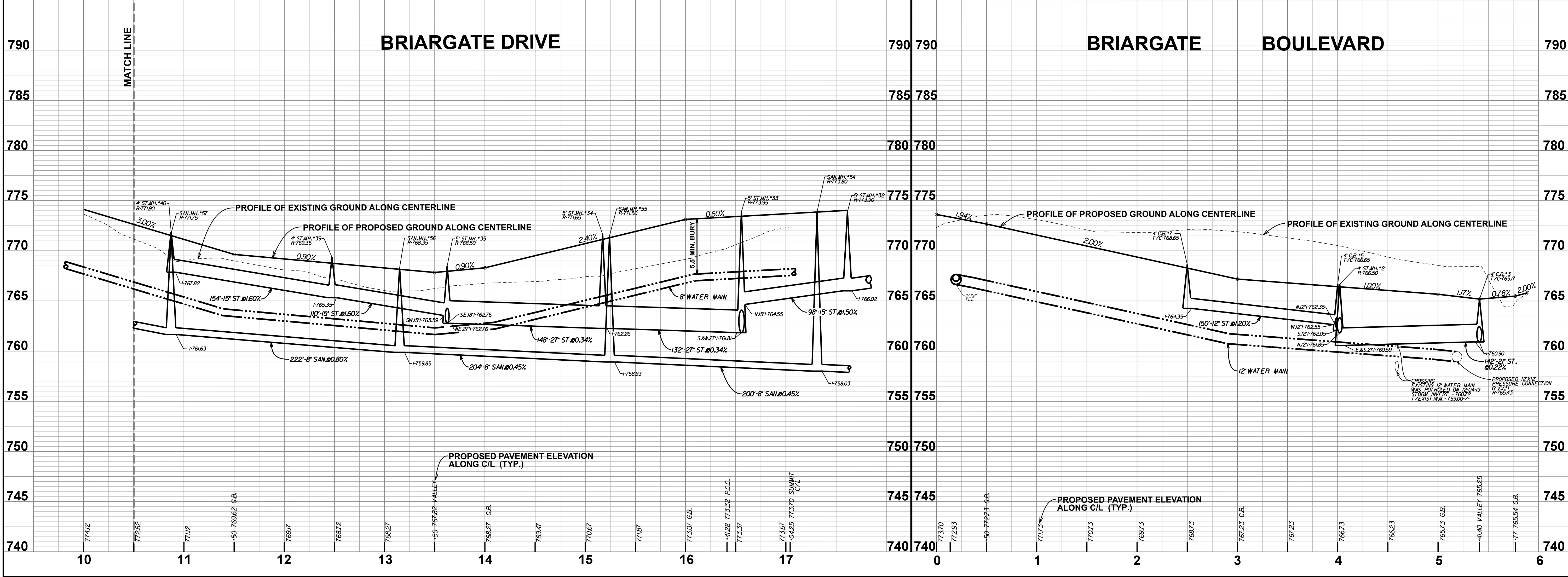
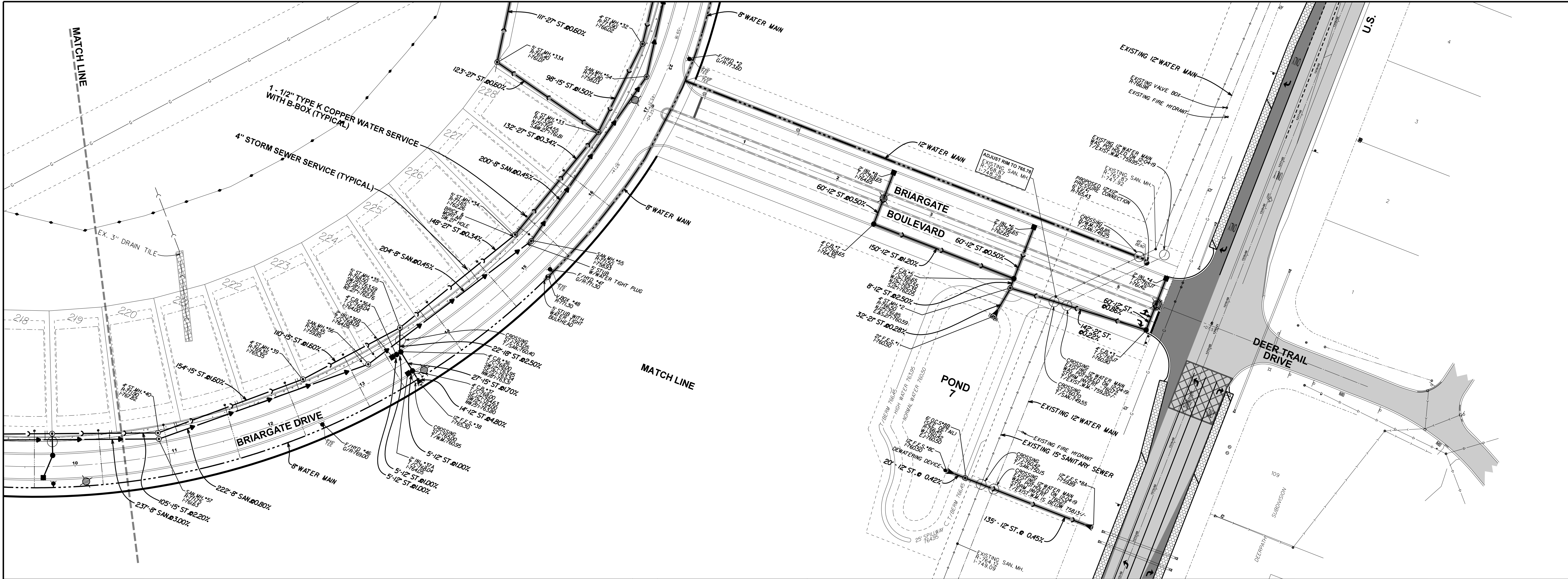
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		NO.	DESCRIPTION
02/14/20	AKZ REVISED PER VILLAGE REVIEW COMMENTS	04/16/20	AKZ REVISED PER VILLAGE REVIEW COMMENTS
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		32	
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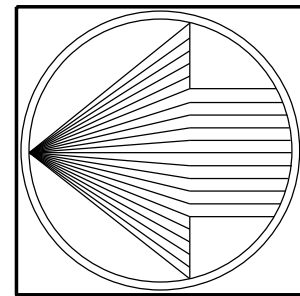
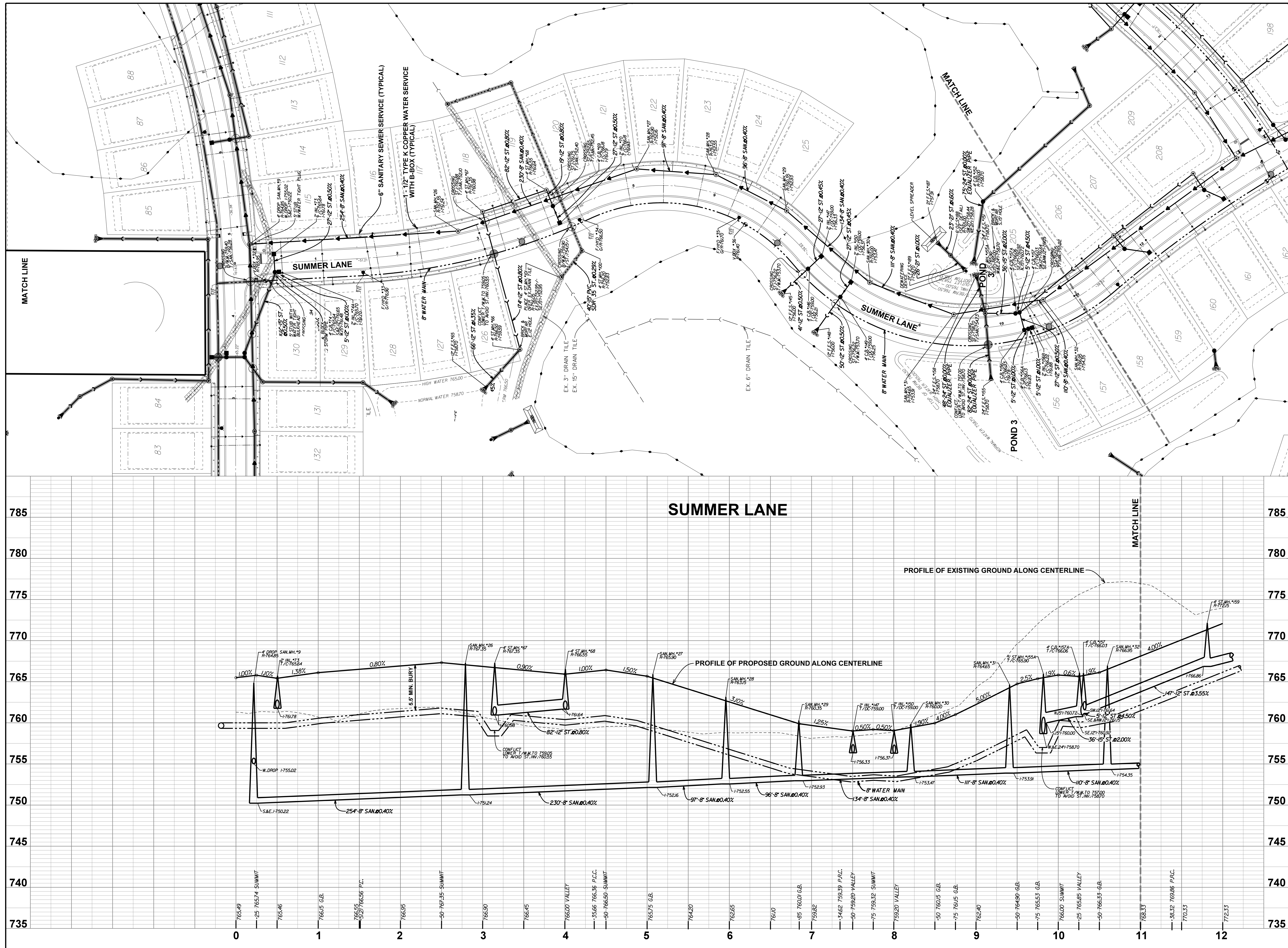
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33

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GATE

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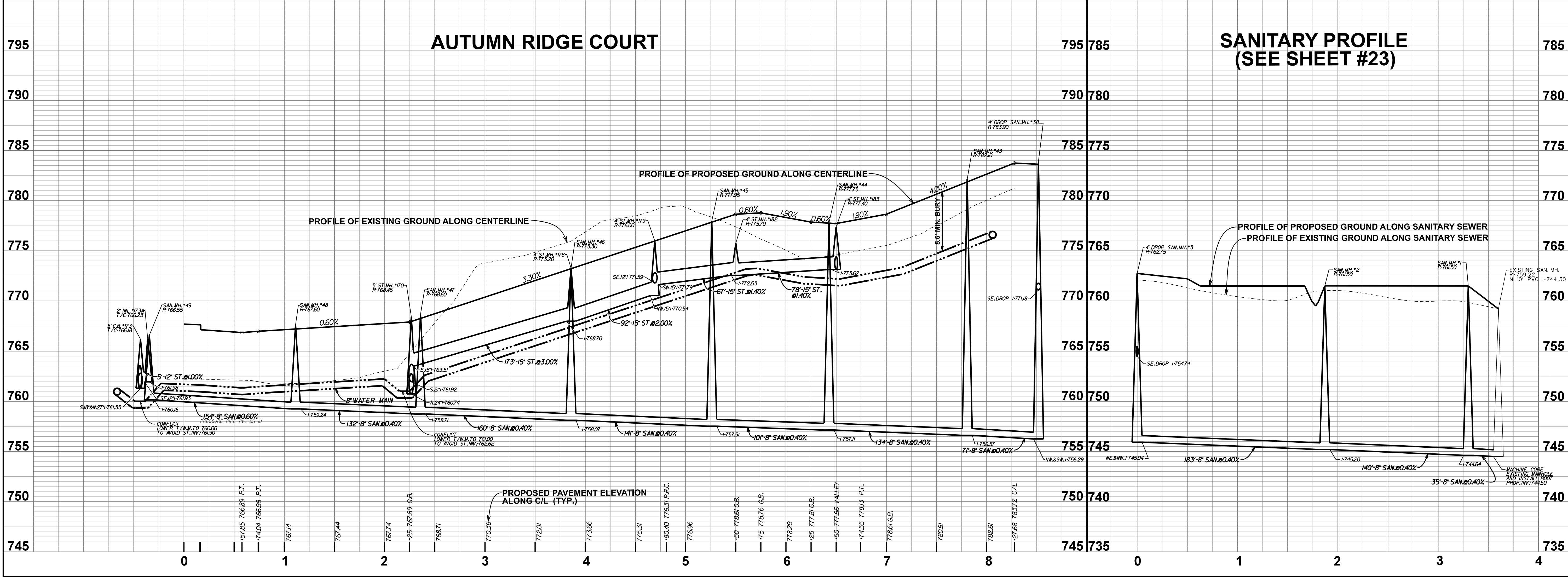
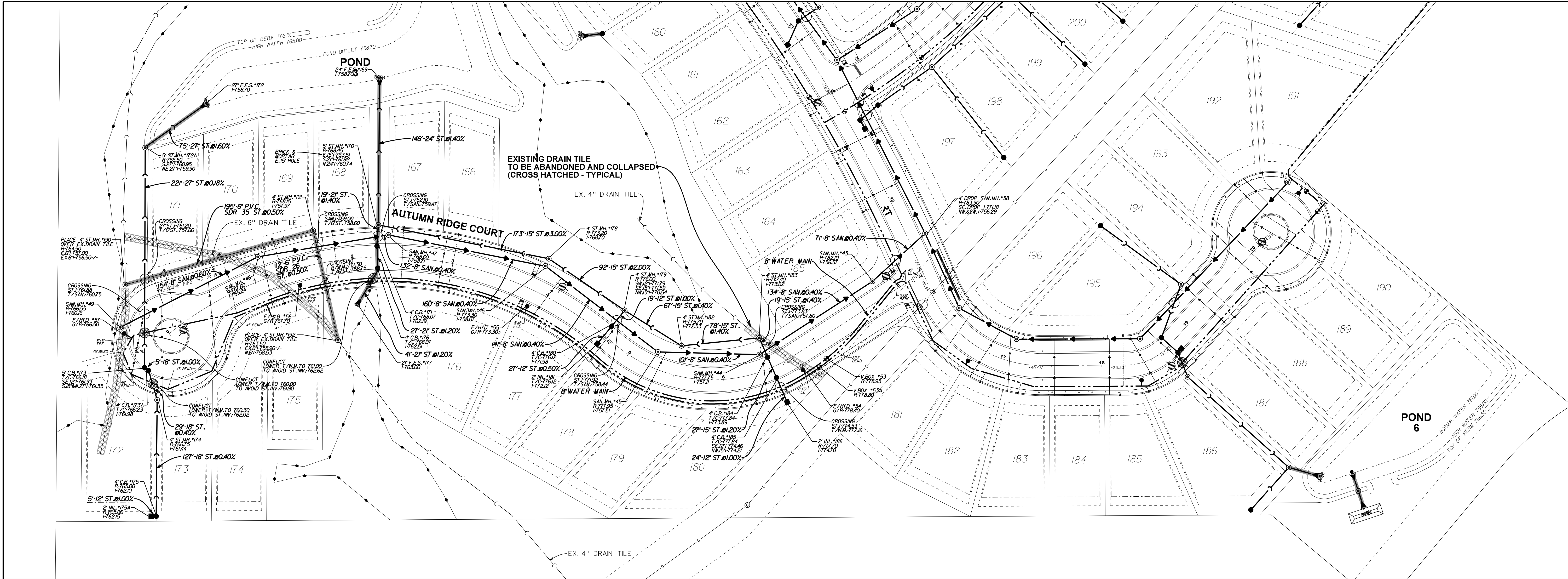
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	DATE	BY	DESCRIPTION
	02/14/20	AKZ	REVISED PER VILLAGE REVIEW COMMENTS
	04/16/20	AKZ	REVISED PER VILLAGE REVIEW COMMENTS
F			
E			
C			
D			

PLAN AND PROFILE

REVISIONS	SHEET NUMBER 34 OF 47 SHEETS	JOB No. 1994
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PLAN AND PROFILE

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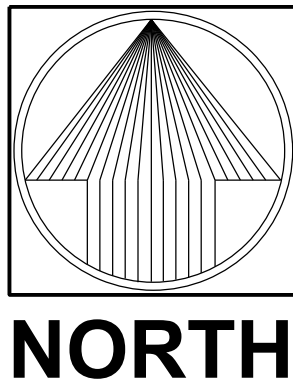
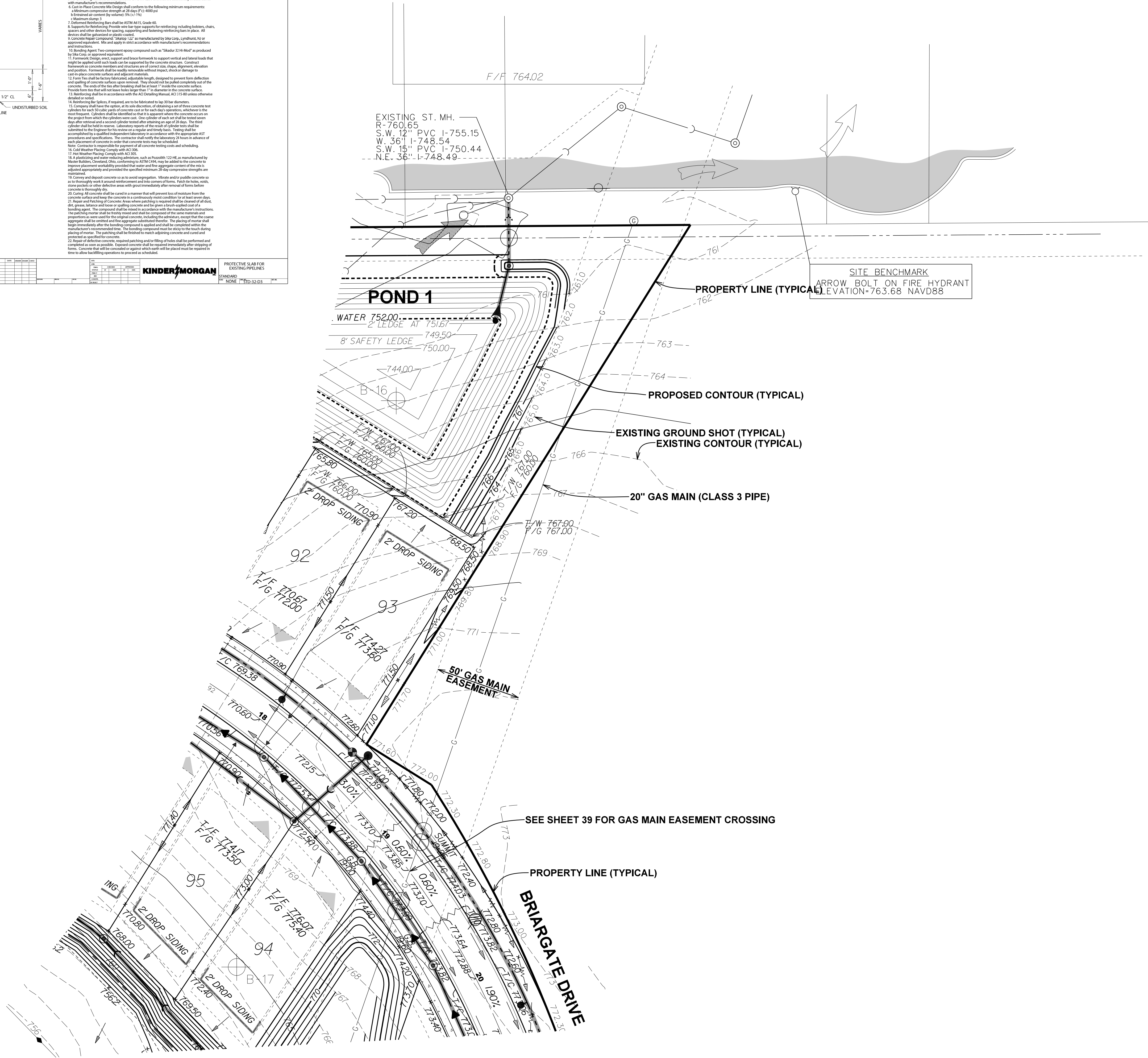
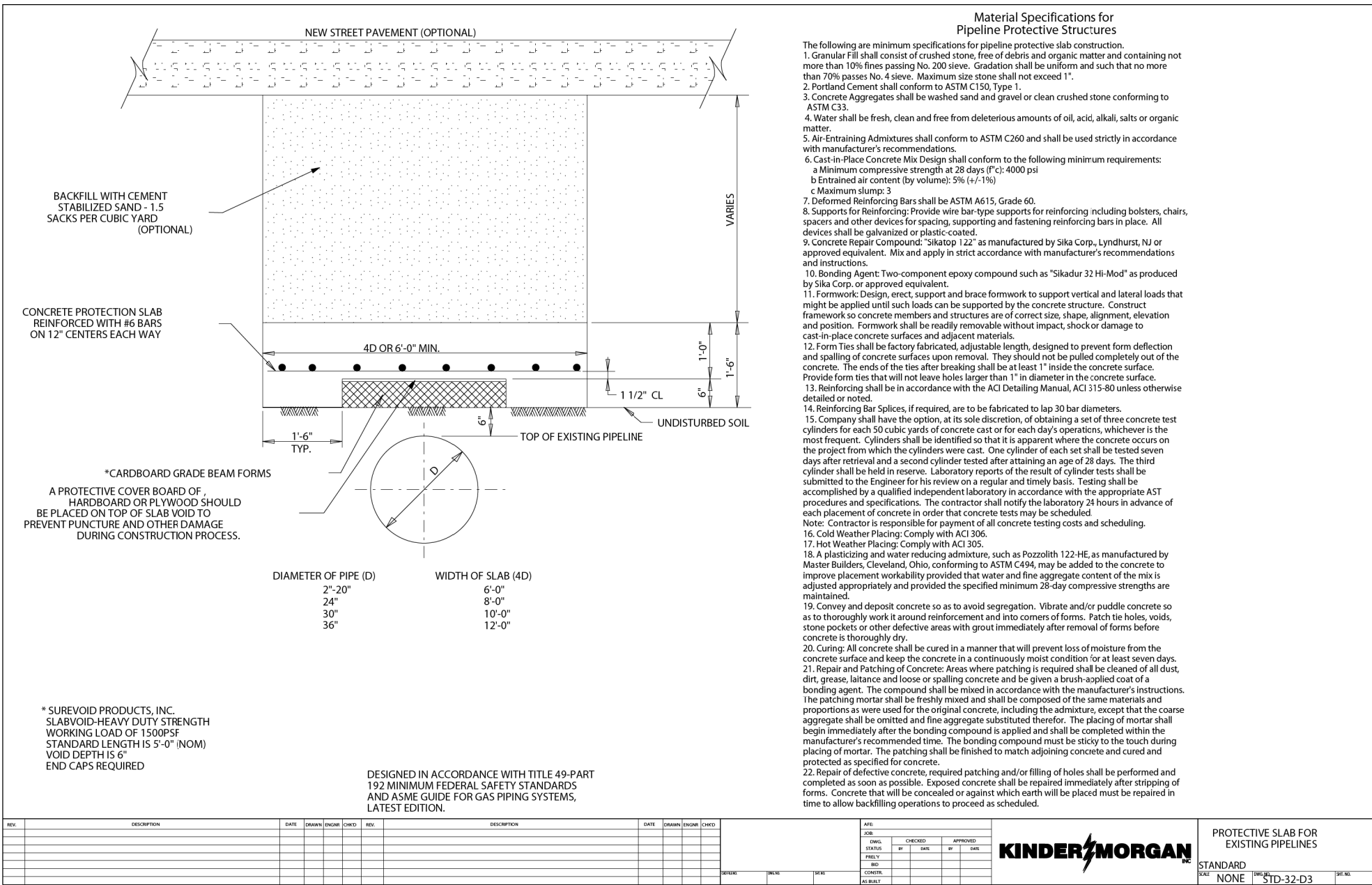
36

OF 47 SHEETS

JOB No.

1994

NOTE:
DRY UTILITIES SHALL BE INSTALLED WITHIN CONDUITS, EITHER PLACED ABOVE OR AUGURED AND PUSHED BELOW THE EXISTING GAS MAIN, AS REQUIRED BY KINDER MORGAN.



BRIARGATE

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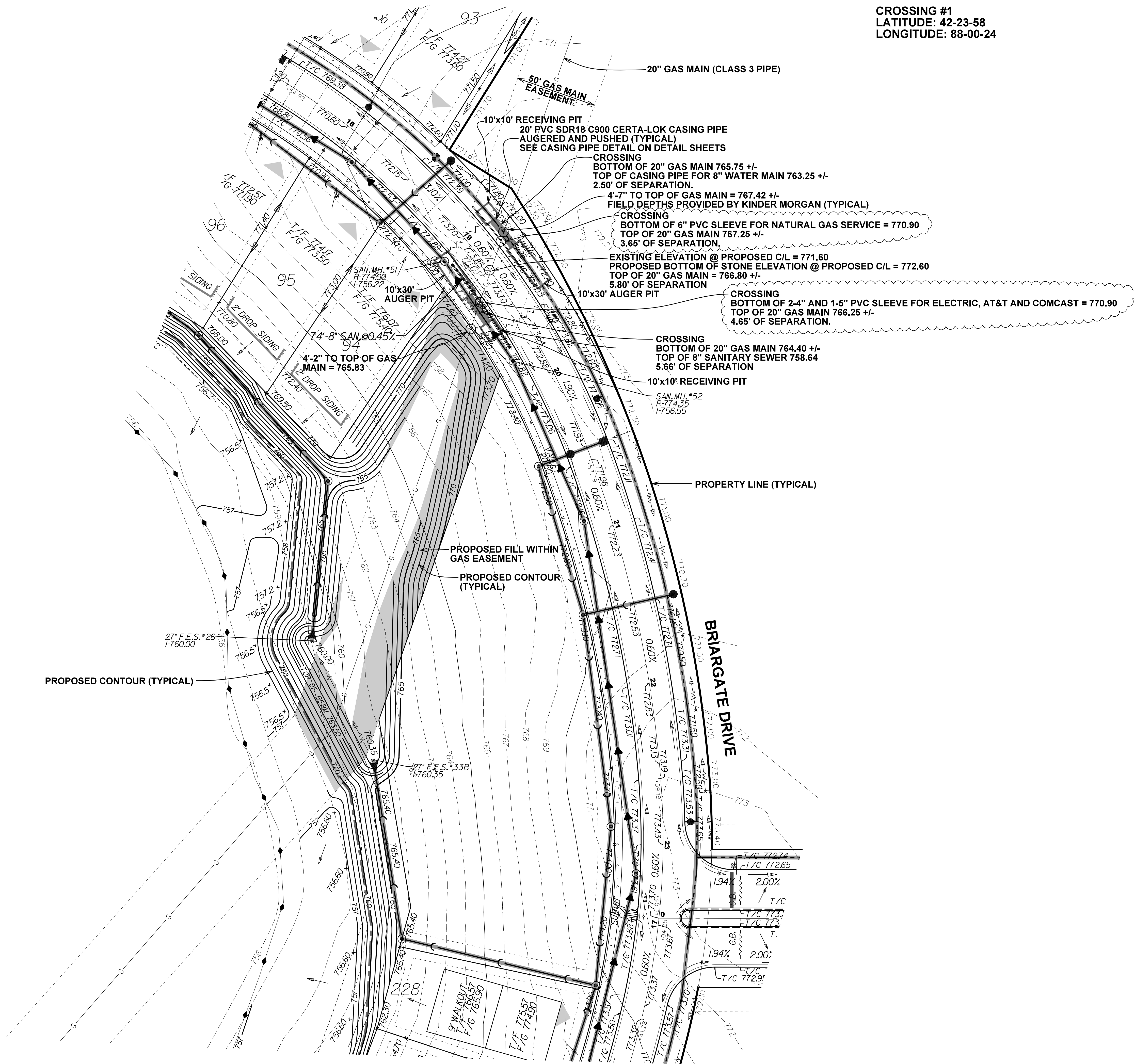
DATE BY DESCRIPTION
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04/16/20 ANZ REVISED PER VILLAGE REVIEW COMMENTS

REVISIONS

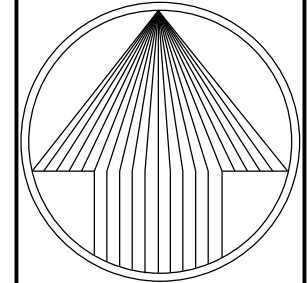
GAS MAIN CROSSING EXHIBIT 2

SHEET NUMBER
38
OF 47 SHEETS

JOB No. 1994



CROSSING #1
LATITUDE: 42-23-58
LONGITUDE: 88-00-24



NORTH

30'
15'
0
15'
30'

SCALE: 1" = 30'

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GAS MAIN CROSSING EXHIBIT 3

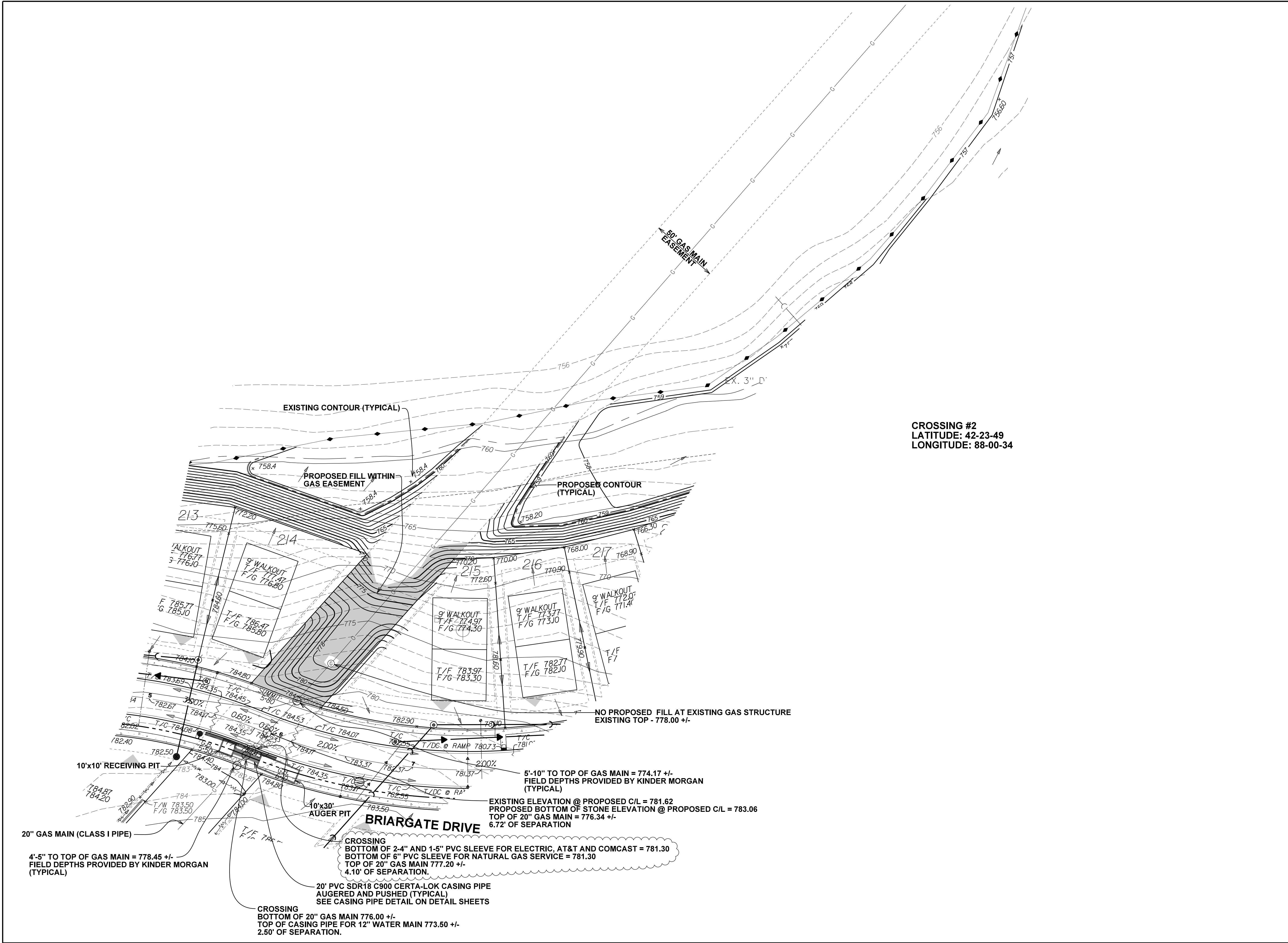
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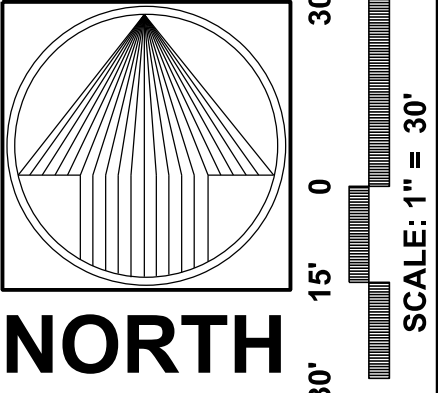
SHEET NUMBER

39

JOB No. 1994

OF 47 SHEETS





NORTH

SCALE: 1" = 30'

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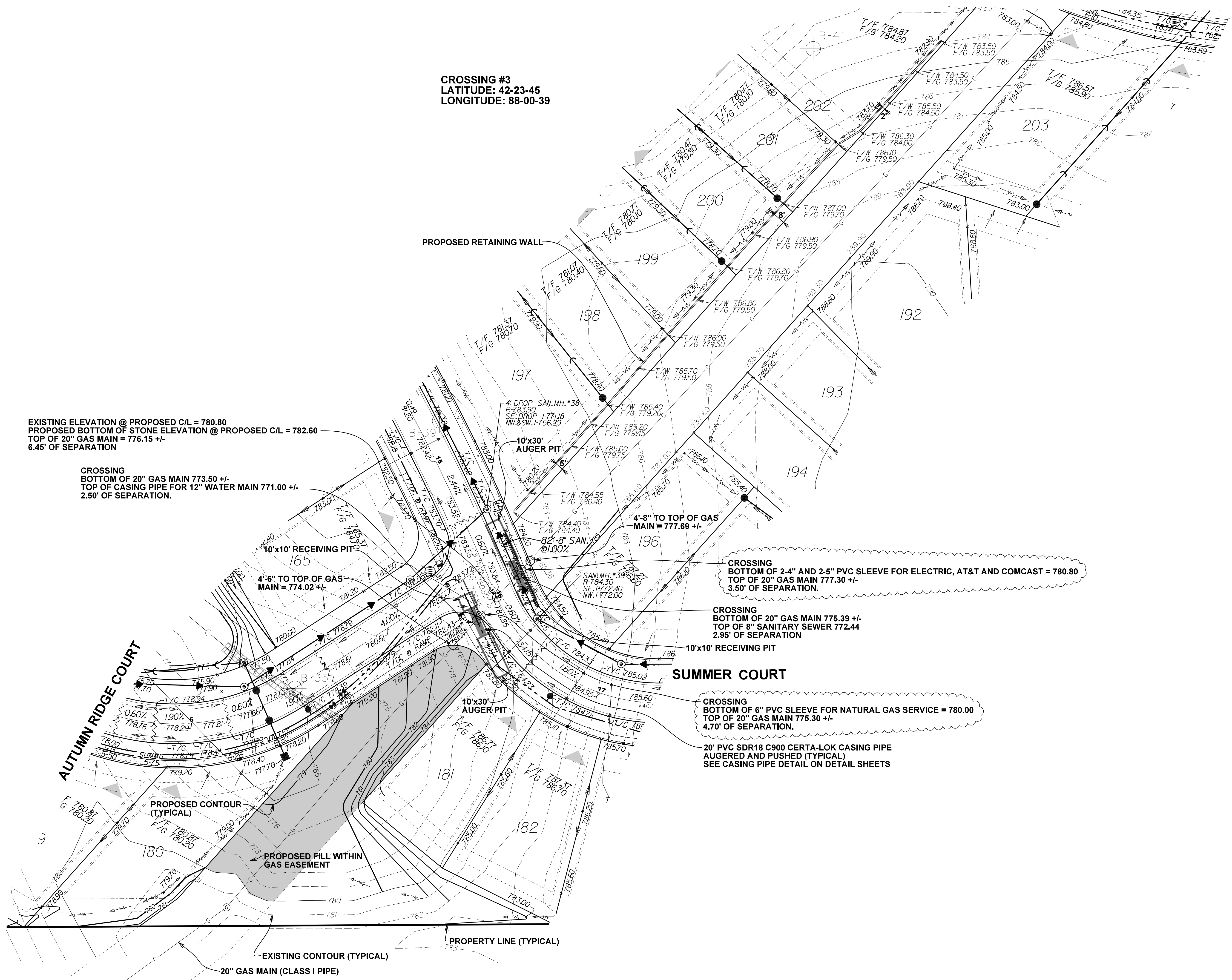
GAS MAIN CROSSING EXHIBIT 4

SHEET NUMBER

40

OF 47 SHEETS

JOB No. 1994



CROSSING #3
LATITUDE: 42-23-45
LONGITUDE: 88-00-39

EXISTING ELEVATION @ PROPOSED C/L = 780.80
PROPOSED BOTTOM OF STONE ELEVATION @ PROPOSED C/L = 782.60
TOP OF 20" GAS MAIN = 776.15 +/-
6.45' OF SEPARATION

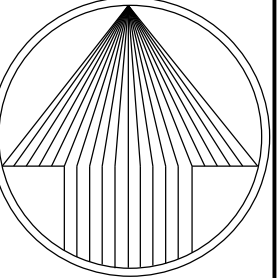
CROSSING
BOTTOM OF 20" GAS MAIN 773.50 +/-
TOP OF CASING PIPE FOR 12" WATER MAIN 771.00 +/-
2.50' OF SEPARATION.

CROSSING
BOTTOM OF 2-4" AND 2-5" PVC SLEEVE FOR ELECTRIC, AT&T AND COMCAST = 780.80
TOP OF 20" GAS MAIN 777.30 +/-
3.50' OF SEPARATION.

CROSSING
BOTTOM OF 20" GAS MAIN 775.39 +/-
TOP OF 8" SANITARY SEWER 772.44
2.95' OF SEPARATION

CROSSING
BOTTOM OF 6" PVC SLEEVE FOR NATURAL GAS SERVICE = 780.00
TOP OF 20" GAS MAIN 775.30 +/-
4.70' OF SEPARATION.

20' PVC SDR18 C900 CERTA-LOK CASING PIPE
AUGERED AND PUSHED (TYPICAL)
SEE CASING PIPE DETAIL ON DETAIL SHEETS



NORTH

0 15' 30'

SCALE: 1" = 30'

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GAS MAIN CROSSING EXHIBIT 5

REVISIONS

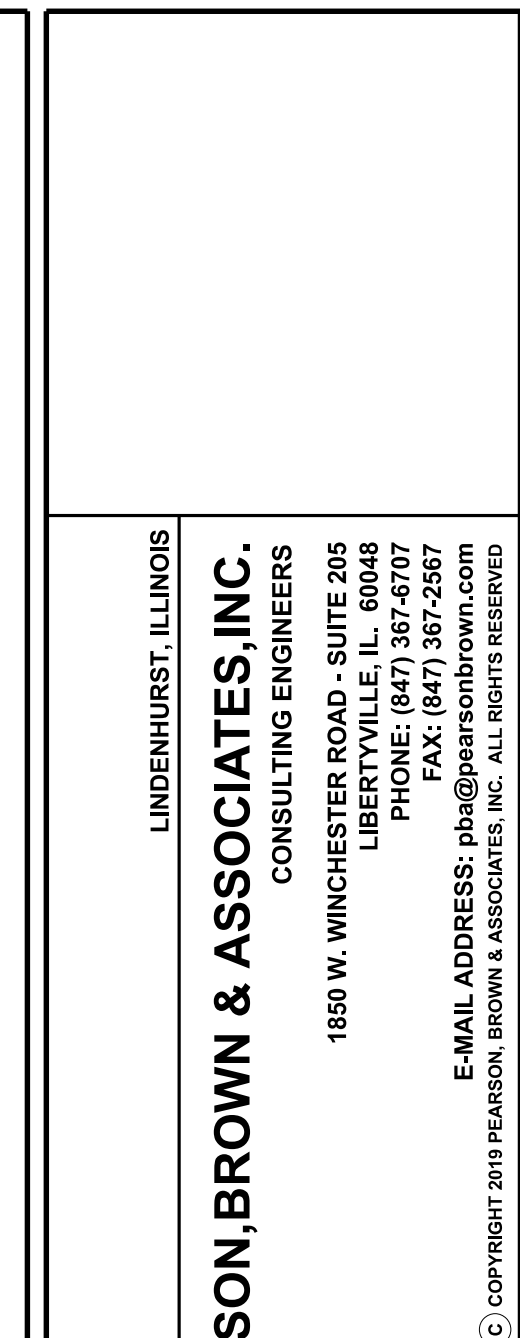
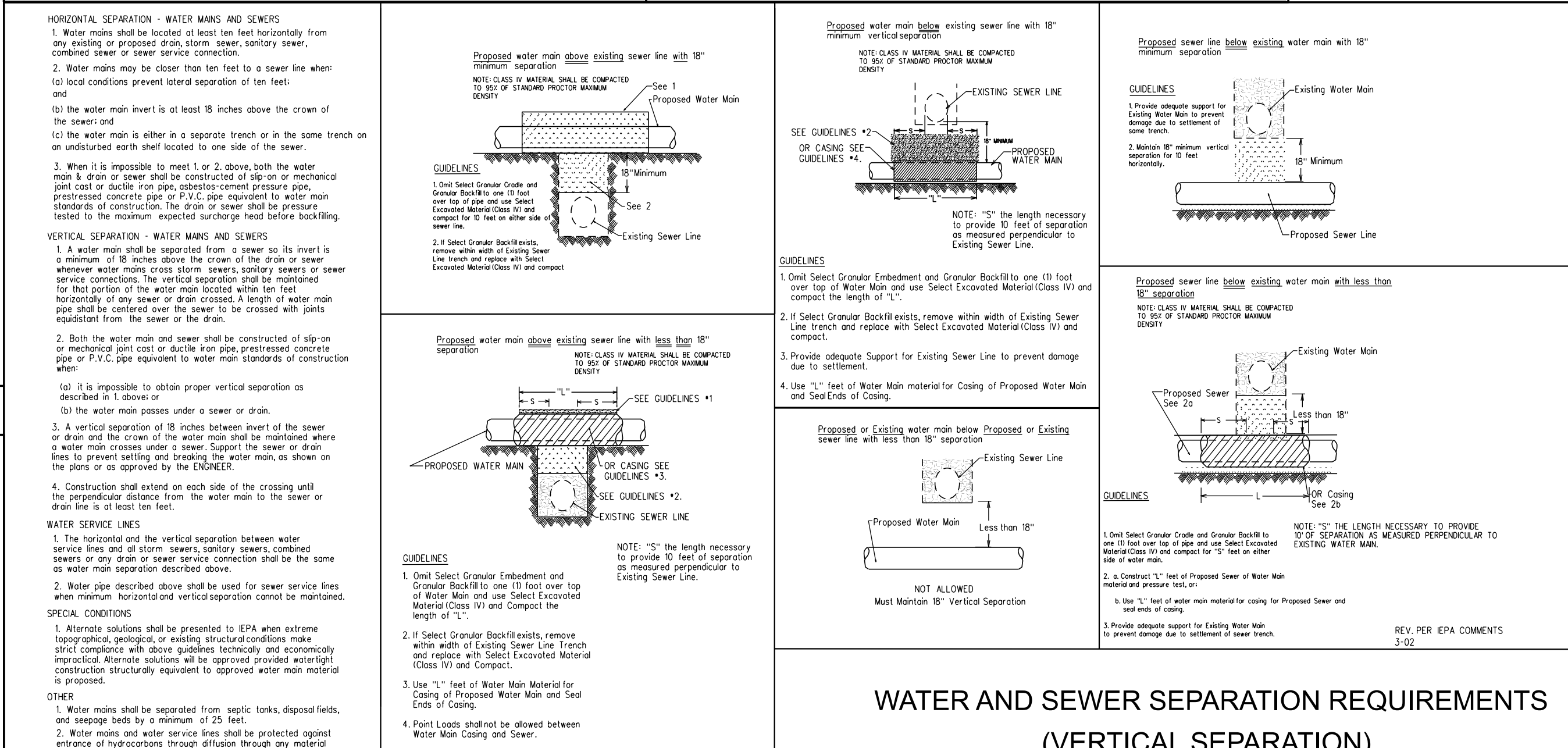
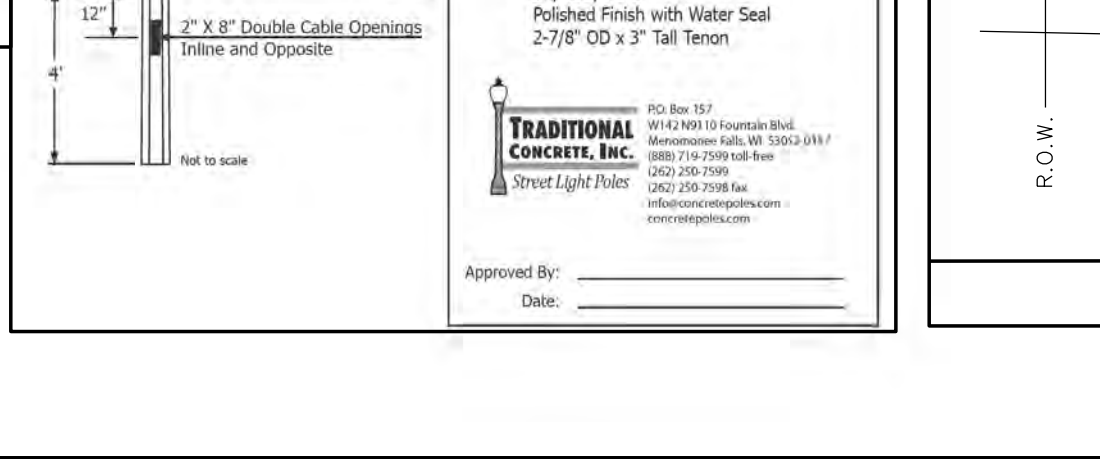
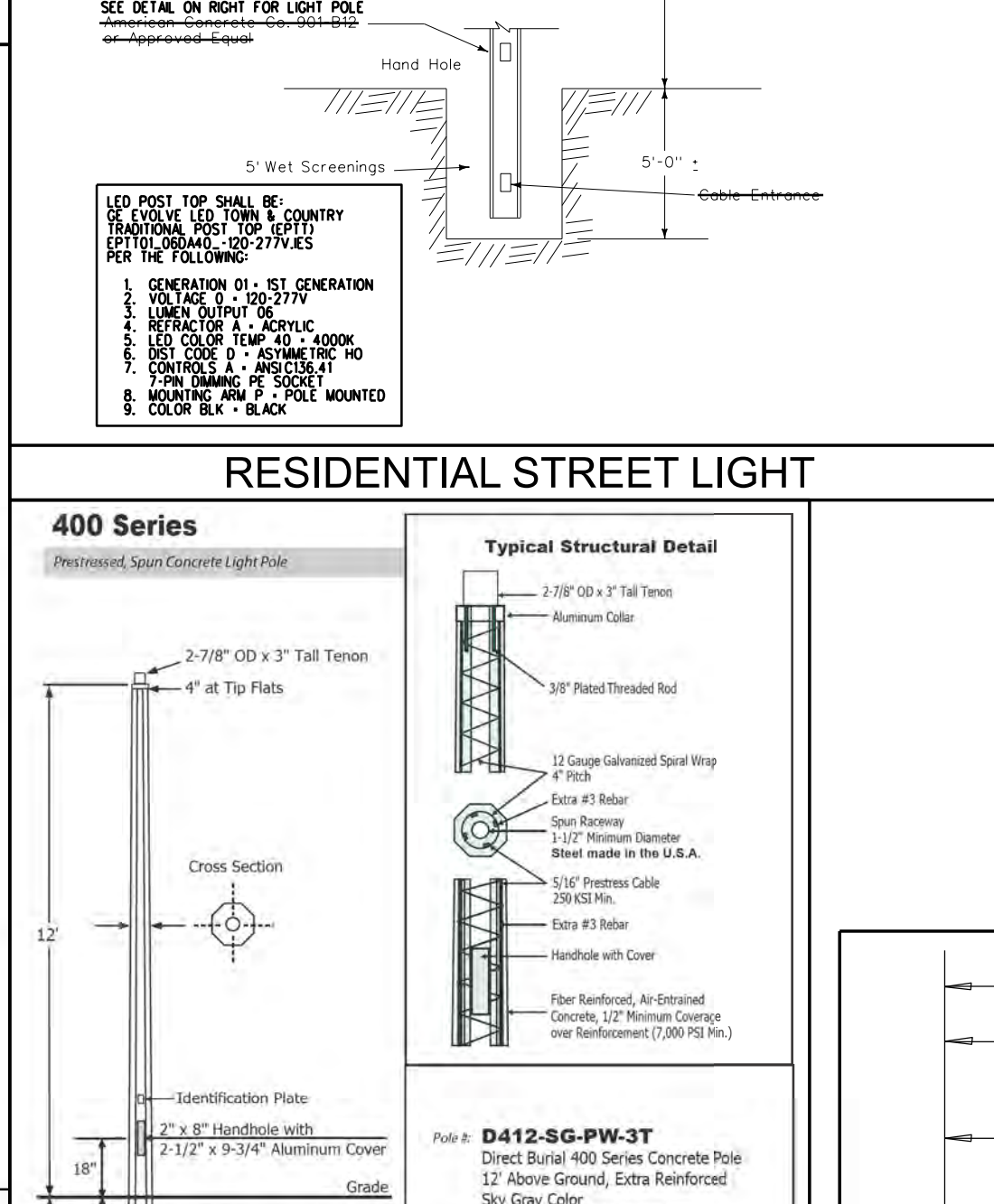
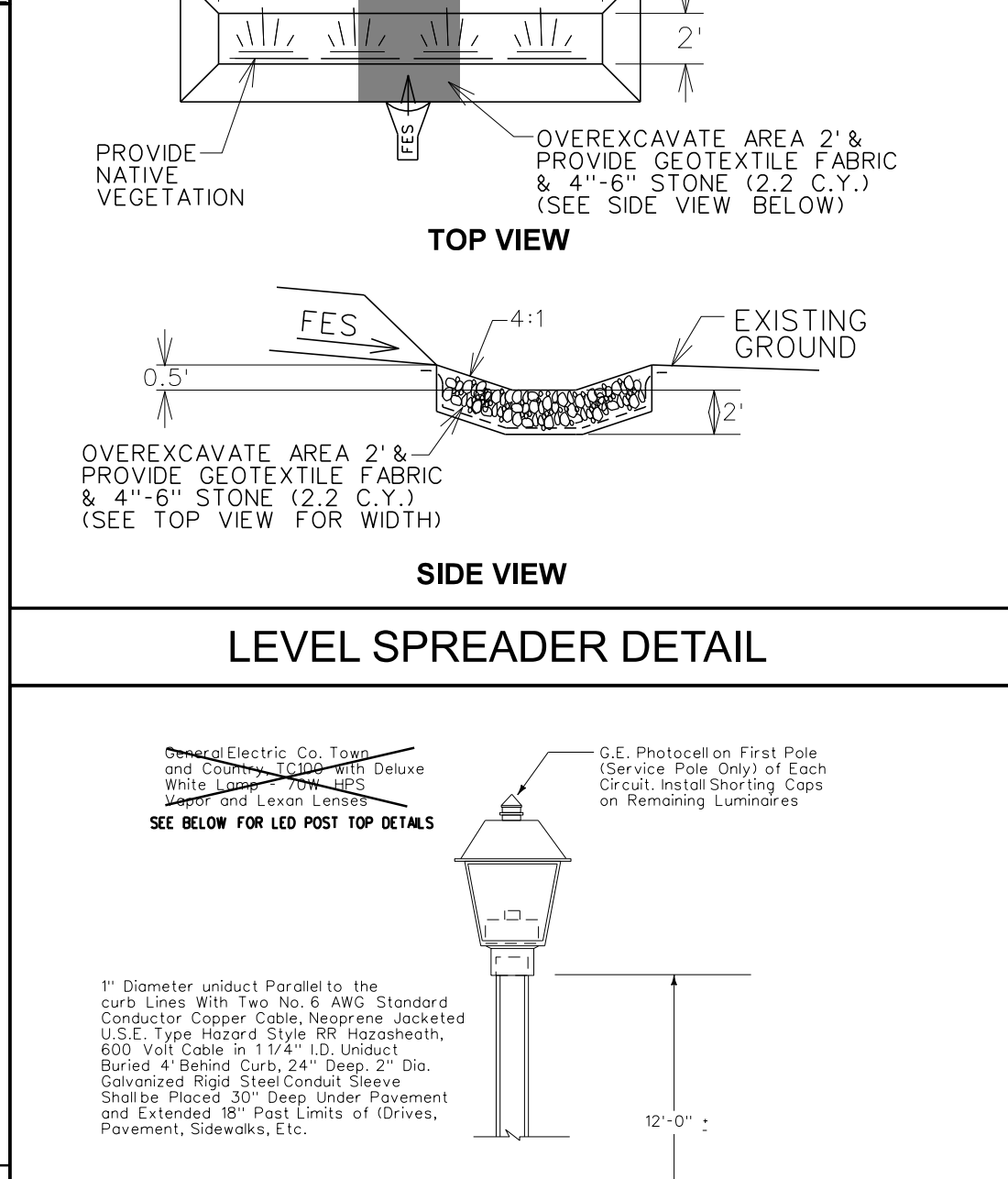
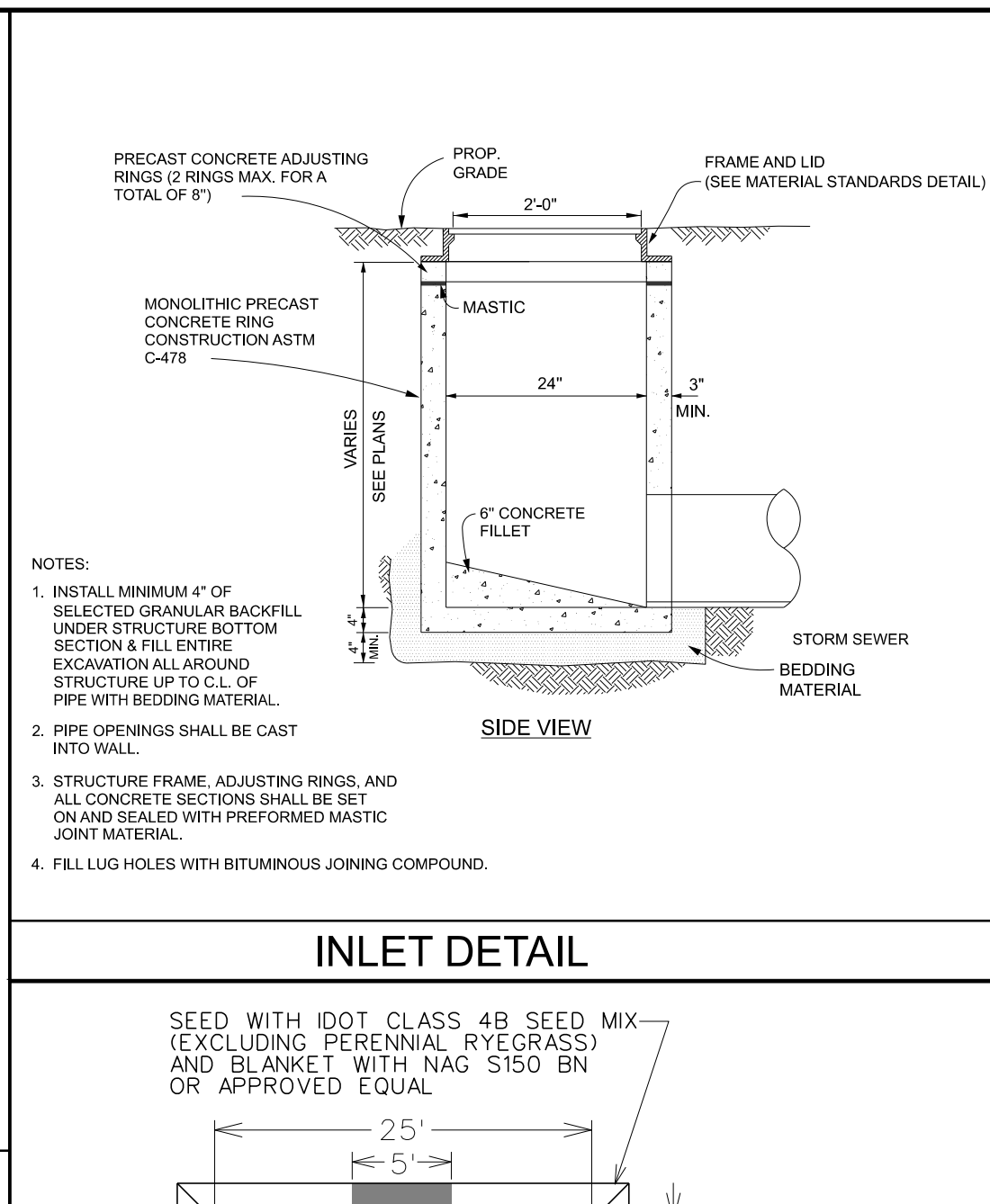
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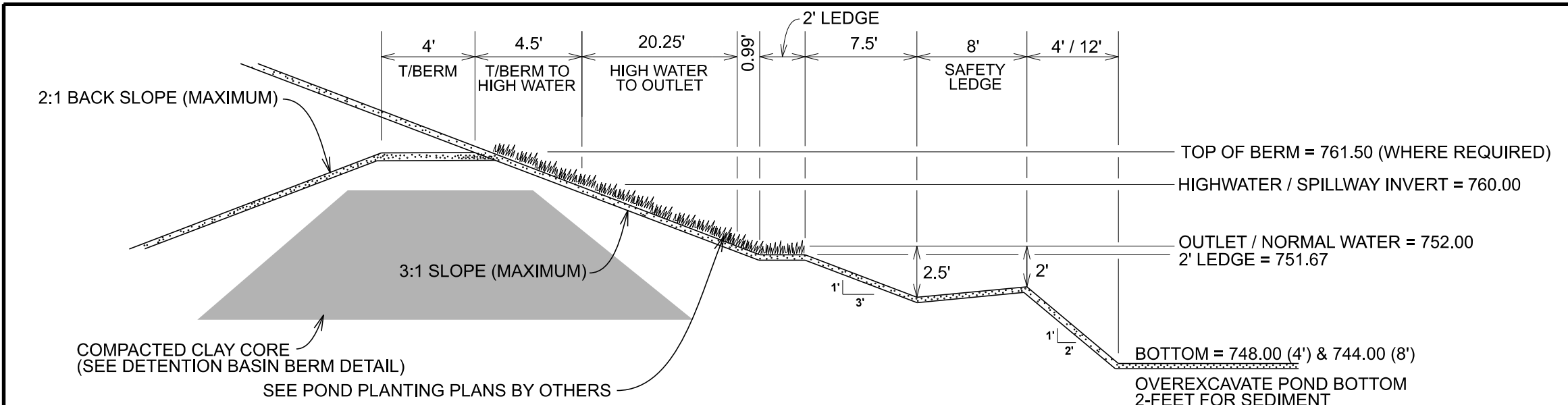
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OF 47 SHEETS

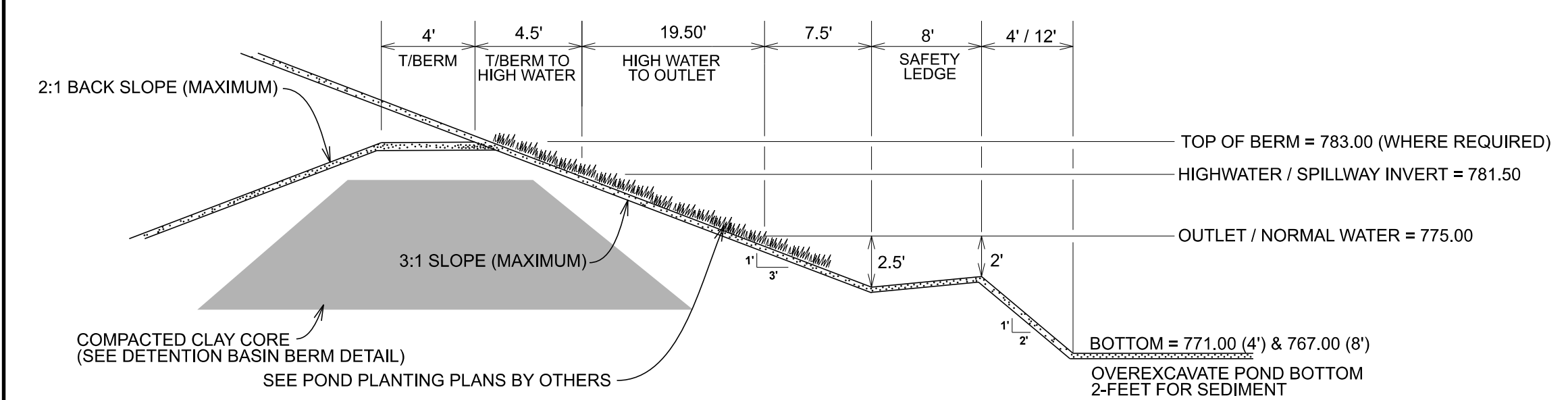
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1994

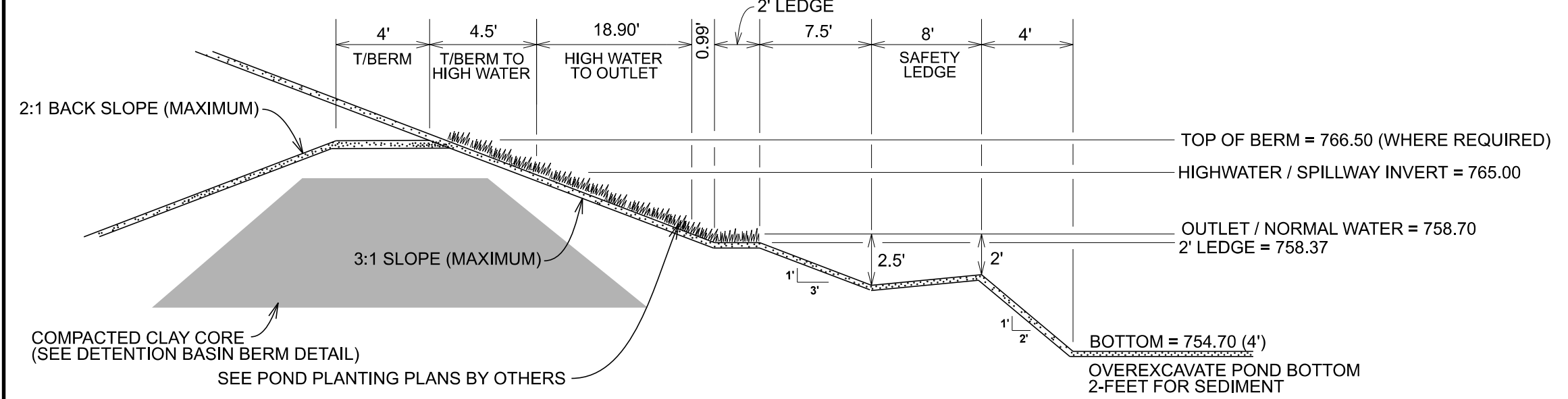




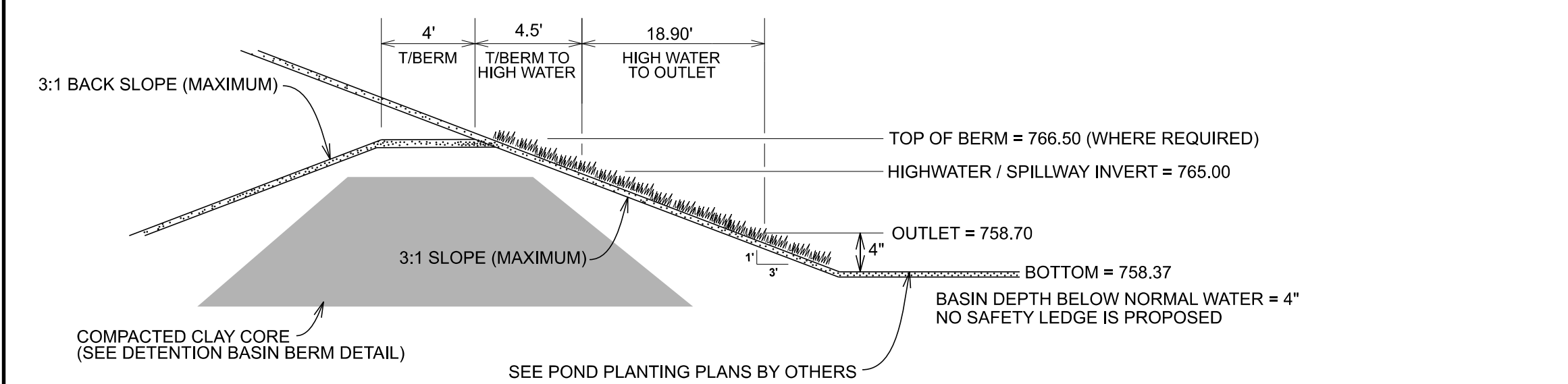
POND 1 DETAIL - OPEN WATER SECTION



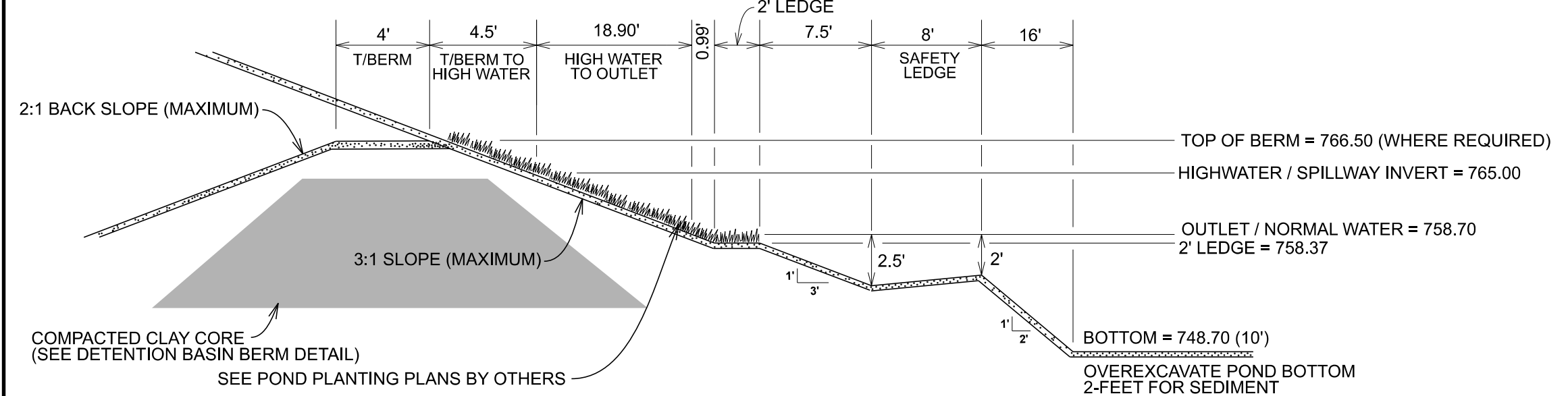
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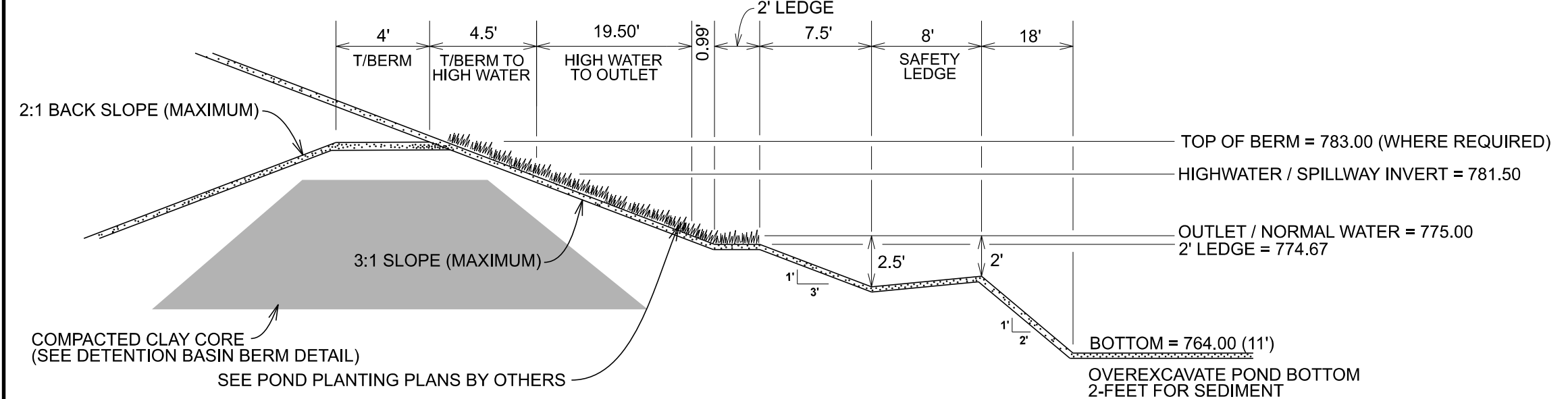
POND 3 DETAIL - OPEN WATER SECTION



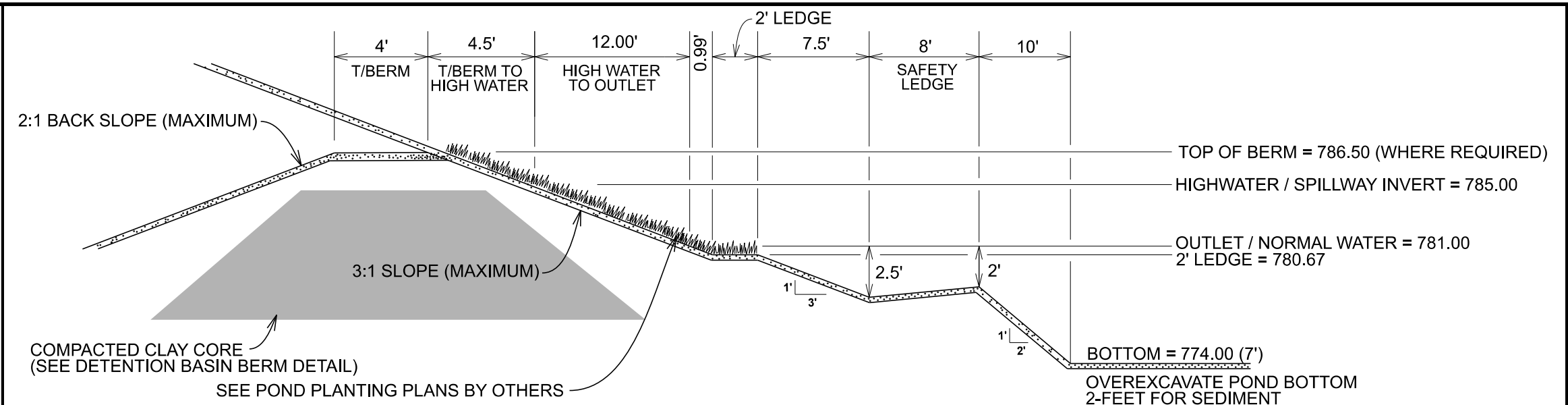
POND 3 DETAIL - NATURALIZED SECTION



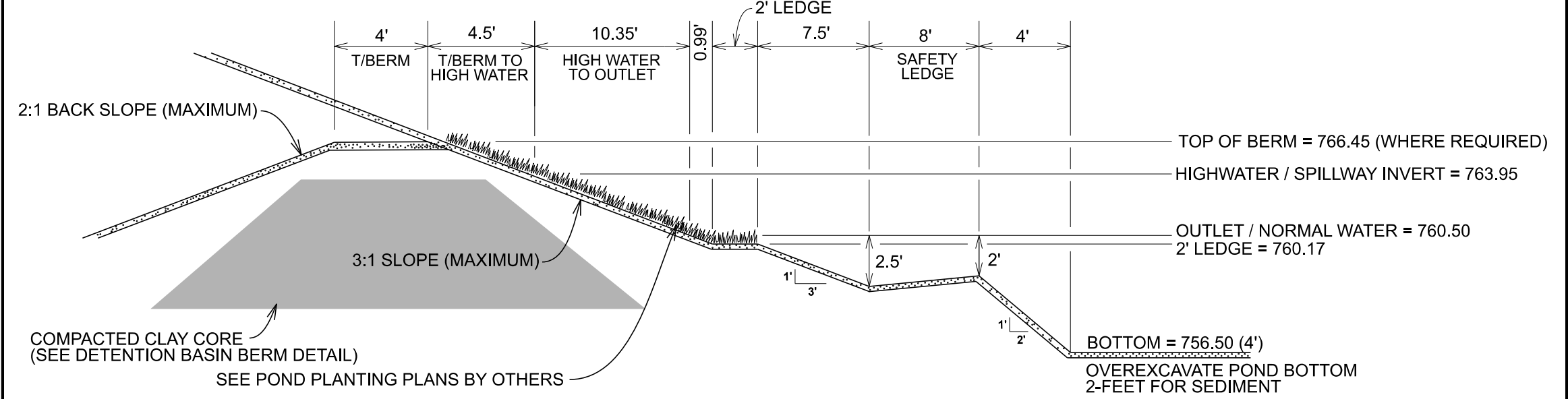
POND 4 DETAIL - OPEN WATER SECTION



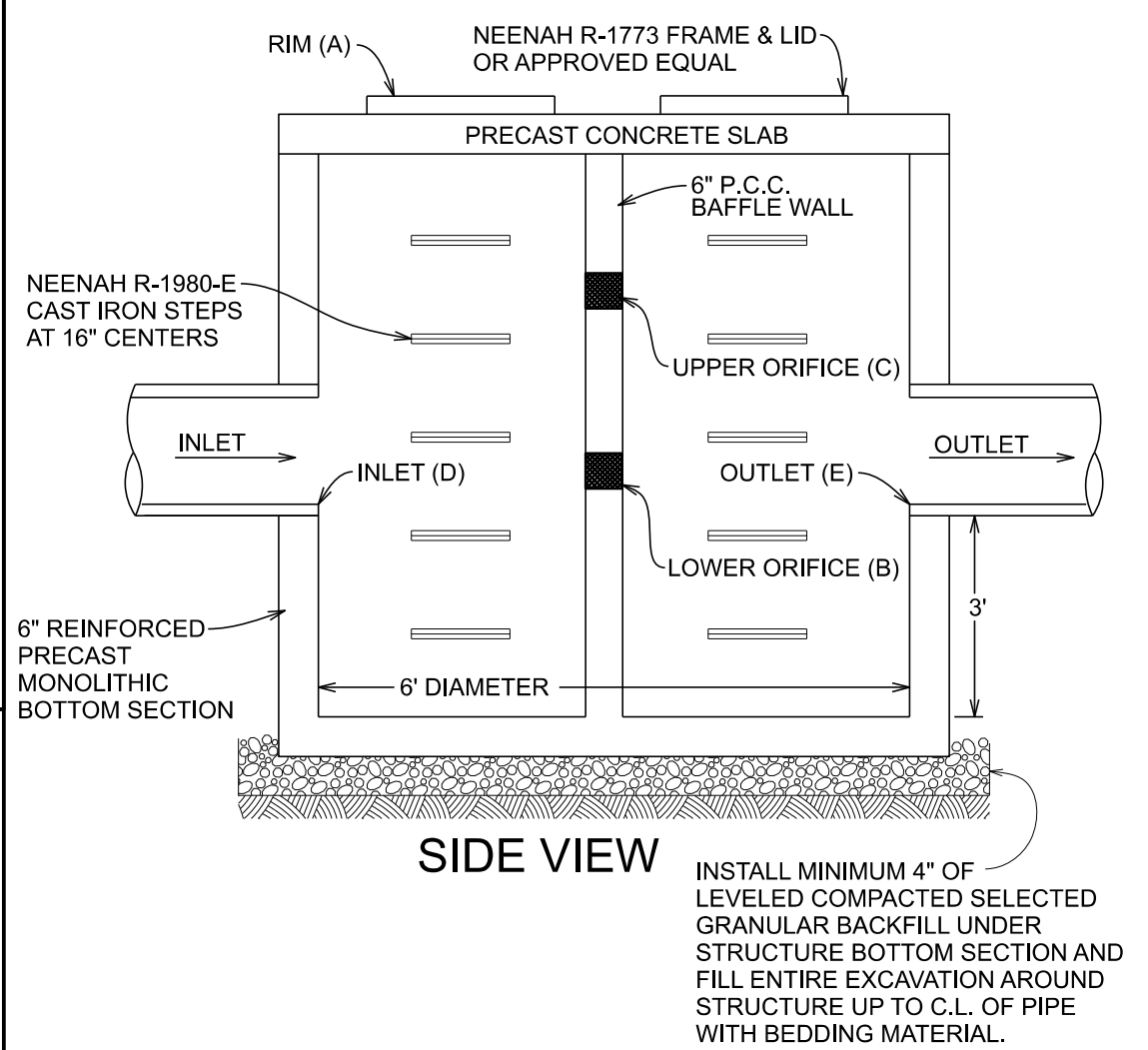
POND 5 DETAIL - OPEN WATER SECTION



POND 6 DETAIL - OPEN WATER SECTION

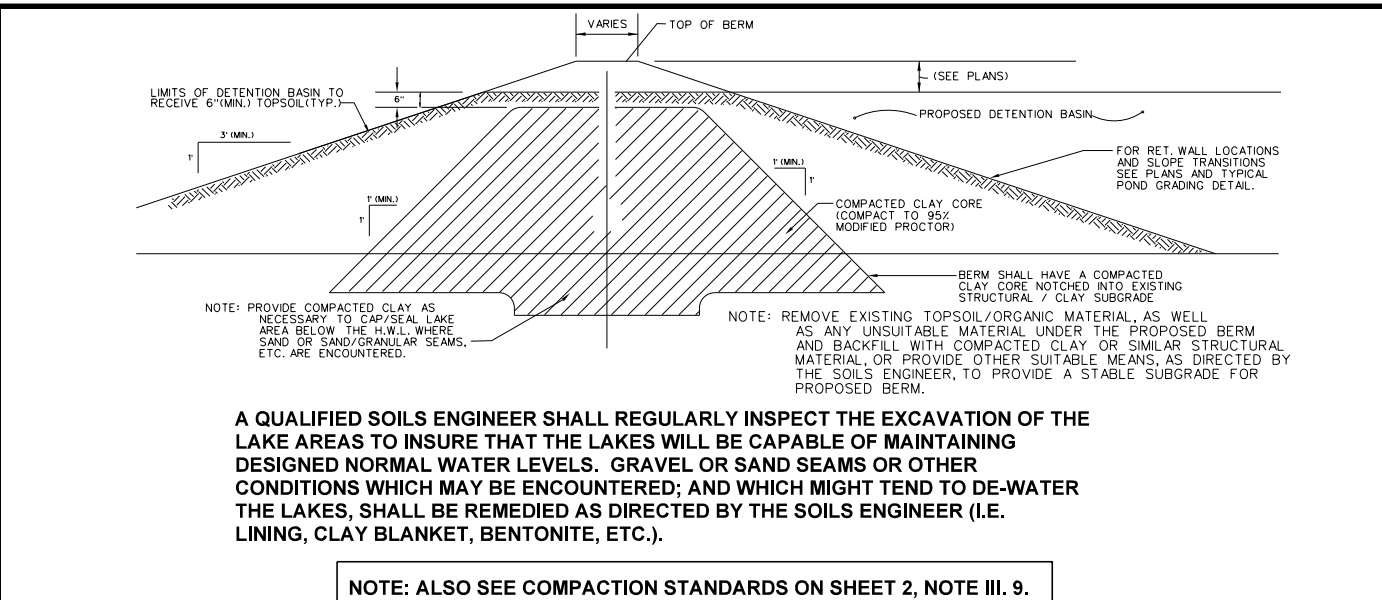


POND 7 DETAIL - OPEN WATER SECTION

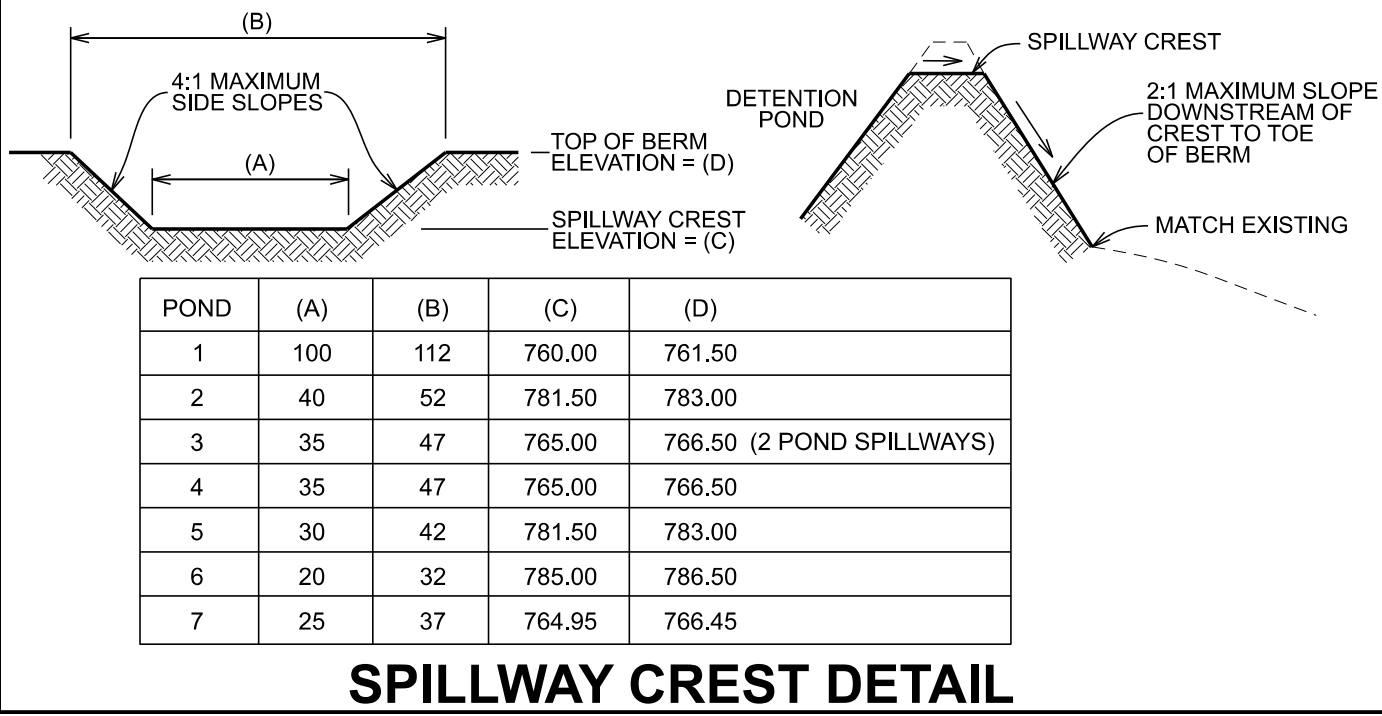


POND	STRUCTURE	(A)	(B)	(C)	(D)	(E)
1	12	761.50	4.00' @ 752.00	5.00' @ 756.70	15' @ 751.81	15' @ 749.13
2	80	783.00	5.50' @ 775.00	7.00' @ 777.90	15' @ 774.82	12' @ 770.16
3	188	765.00	4.75' @ 758.70	7.75' @ 761.80	21' @ 758.44	21' @ 758.28
4	96	765.00	4.00' @ 758.70	N/A	12' @ 758.58	12' @ 756.25
5	143	783.00	4.00' @ 775.00	3.00' @ 776.50	12' @ 774.88	12' @ 769.96
6	219	786.50	4.00' @ 781.00	N/A	12' @ 780.92	12' @ 780.92
7	8B	766.45	4.00' @ 760.50	N/A	12' @ 760.42	12' @ 760.50

OUTLET CONTROL STRUCTURES
PONDS 1-7



DETENTION BASIN BERM DETAIL



SPILLWAY CREST DETAIL

POND	(A)	(B)	(C)	(D)
1	100	112	760.00	761.50
2	40	52	781.50	783.00
3	35	47	765.00	766.50 (2 POND SPILLWAYS)
4	35	47	765.00	766.50
5	30	42	781.50	783.00
6	20	32	785.00	786.50
7	25	37	764.95	766.45

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LIBERTYVILLE, ILLINOIS

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DRAWN BY: R.C.J.
CHECKED BY: A.K.Z.
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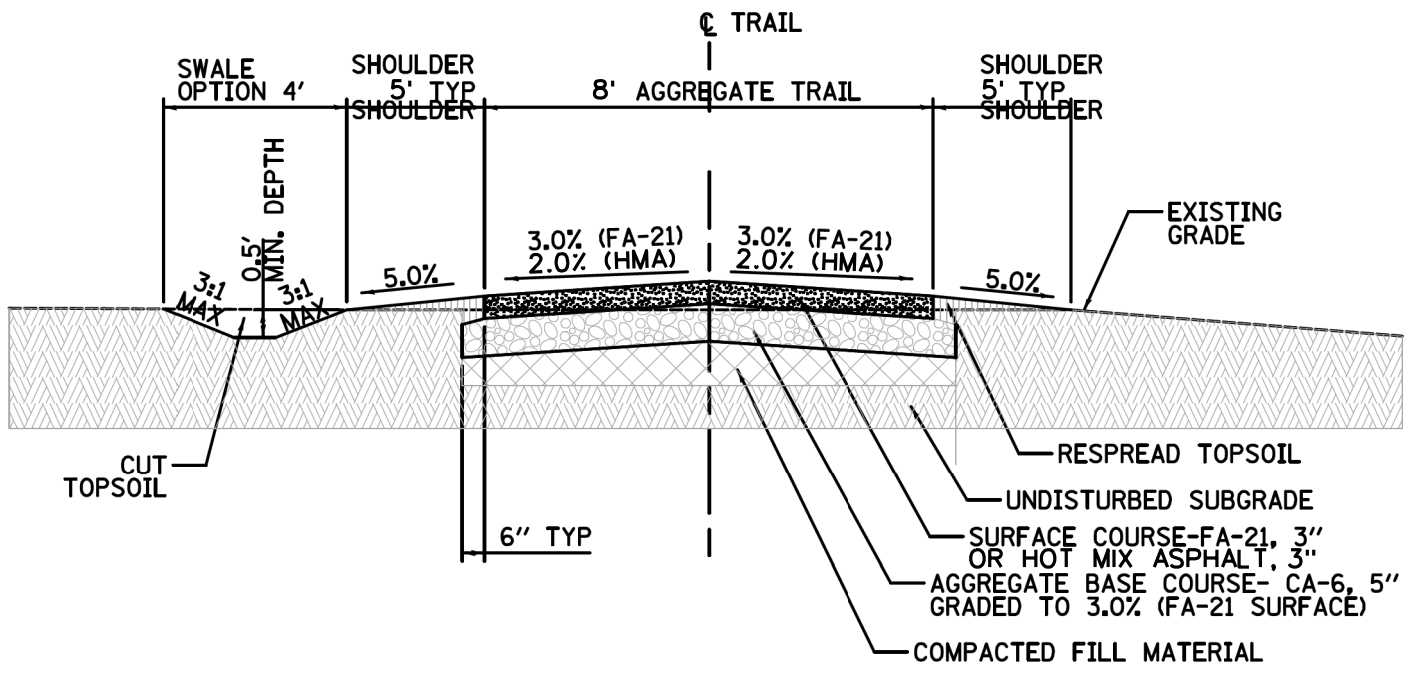
DETAILS

SHEET NUMBER

44

OF 47 SHEETS

JOB No. 1994



PAVED TRAIL – SENSITIVE OPEN AREA

PROPOSED TYPICAL SECTION

PROPOSED 10' WIDE AGGREGATE TRAIL
STA. 1+05.0 TO 0+150.0 3' SHOULDER

TRAIL - SENSITIVE OPEN AREA NOTES

1. THE TYPICAL SECTION DEPICTED ABOVE APPLIES TO BOTH FA-21 AGGREGATE AND HOT-MIX ASPHALT SURFACE TYPES. REFER TO THE PLAN AND PROFILE SHEETS FOR SURFACING REQUIREMENTS AT SPECIFIC TRAIL LOCATIONS. NOTE THE DIFFERENCE IN CROSS SLOPES FOR DIFFERENT SURFACE TYPES.
2. SPECIFIC TRAIL LOCATIONS MAY NOT REQUIRE THE DITCHING SHOWN OR MAY REQUIRE DITCHING ON BOTH SIDES OF THE TRAIL. REFER TO OTHER PLAN SHEETS FOR DITCHING REQUIREMENTS AND LOCATIONS.
3. ALL AGGREGATE BASE, AGGREGATE SURFACE AND HOT-MIX ASPHALT SURFACES SHALL BE INSTALLED USING A PAVING MACHINE. AGGREGATE TRAIL SURFACES SHALL BE COMPACTED WITH A ROLLER NO WIDER THAN HALF THE TRAIL WIDTH TO MAINTAIN THE CROWNED PROFILE.
4. THE EXISTING GRADE LINES SHOWN IN THE SECTIONS ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO THE PLAN AND PROFILE SHEETS FOR EXISTING AND PROPOSED ELEVATIONS AND CUT AND FILL REQUIREMENTS ALONG THE TRAIL LENGTH.
5. A WOVEN GEOTEXTILE FOR GROUND STABILIZATION MAY BE REQUIRED UPON DIRECTION BY THE OWNER WHEN UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED AND IS NOT SHOWN ON THE SECTION.
6. THE FINISHED TOPSOIL GRADE DIRECTLY ADJACENT TO PAVED TRAIL EDGES MUST BE EQUAL TO OR SLIGHTLY (1/4") LOWER THAN THE EDGE OF TRAIL TO ASSURE POSITIVE DRAINAGE.
7. PROVIDE A SOFT GRADUAL TRANSITION BETWEEN EXISTING AND PROPOSED GRADING.

LANDSCAPE NOTES

1. MOWED TRAIL SHOULDERS SHALL BE SEEDED WITH LCFP LOW-MAINTENANCE MIX UNLESS IN A D.O.T. RIGHT OF WAY. REFER TO OTHER PLAN SHEETS FOR SEED MIXES OUTSIDE OF THE MOWED SHOULDERS.
2. MOWED SHOULDERS AND SEEDED SLOPES 3:1 OR LESS SHALL BE HYDRO-MULCHED WITH PROMATRIX ENGINEERED FIBER MATRIX (EFM). SLOPES GREATER THAN 3:1, DITCHES AND OTHER CONCENTRATED FLOW ZONES SHALL BE COVERED WITH NORTH AMERICAN GREEN (NAG) S75BN EROSION CONTROL BLANKET OR APPROVED EQUAL AND WITH THE MANUFACTURERS RECOMMENDED STAPLE PATTERN. DITCHES TYPICALLY REQUIRE A MINIMUM OF TWO (2) ROLLS OF BLANKET AT 6.67' WIDTH EACH.

① Paved Trail - Sensitive Open Area
(Not to Scale)

BRIARGATE

LINDENHURST, ILLINOIS

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DATE	BY	DESCRIPTION
02/14/20	RCJ	REVISED PER VILLAGE REVIEW COMMENTS
04/16/20	AKZ	REVISED PER VILLAGE REVIEW COMMENTS

REVISIONS

LCFP TRAIL DETAILS

SHEET NUMBER

45

OF 47 SHEETS

JOB No. 1994

**FALLING WATERS SUBDIVISION
BUSINESS, HEALTH & FITNESS, CHILD CARE
(BK)**

PHASE 3

PHASE 3

LIMITS OF PHASE 1 PAVING AND SIDEWALKS

FALLING WATERS BOULEVARD

FALLING

WAIERS

WAY

U.S. ROUTE 45

ROUTE 45

U.S.

SPRING COURT SPRING DRIVE

PHASE 2

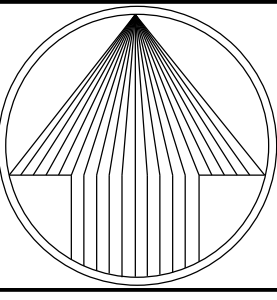
SUMMER LANE

An aerial map showing Briargate Drive, a major road running diagonally from the top left to the bottom right. The map includes several intersecting streets, with some labeled with numbers like 90 and 100. The map is used to illustrate the location of the proposed development relative to existing infrastructure.

**BRIARGATE
BOULEVARD**

A diagram illustrating the decomposition of a vector into two components. A diagonal line with arrows at both ends is labeled 'PHASE 1' and 'PHASE 2'. A horizontal dashed line is drawn above the diagonal. A solid line segment connects the left end of the diagonal to the dashed line, forming a right-angled triangle with the diagonal. This segment is labeled 'PHASE 2'. Another solid line segment connects the right end of the diagonal to the dashed line, forming a right-angled triangle with the diagonal. This segment is labeled 'PHASE 1'.

LIMITS OF PHASE 1 PAVING AND SIDEWALKS



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BRIARGATE

DATE	BY	DESCRIPTION
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REVISIONS

PAVEMENT PHASING PLAN

SHEET NUMBER

47

OF 47 SHEETS

JOB No. 1994