

CONSTRUCTION PLANS FOR KINGS RIDGE NORTH- PHASE I A PLANNED UNIT DEVELOPMENT

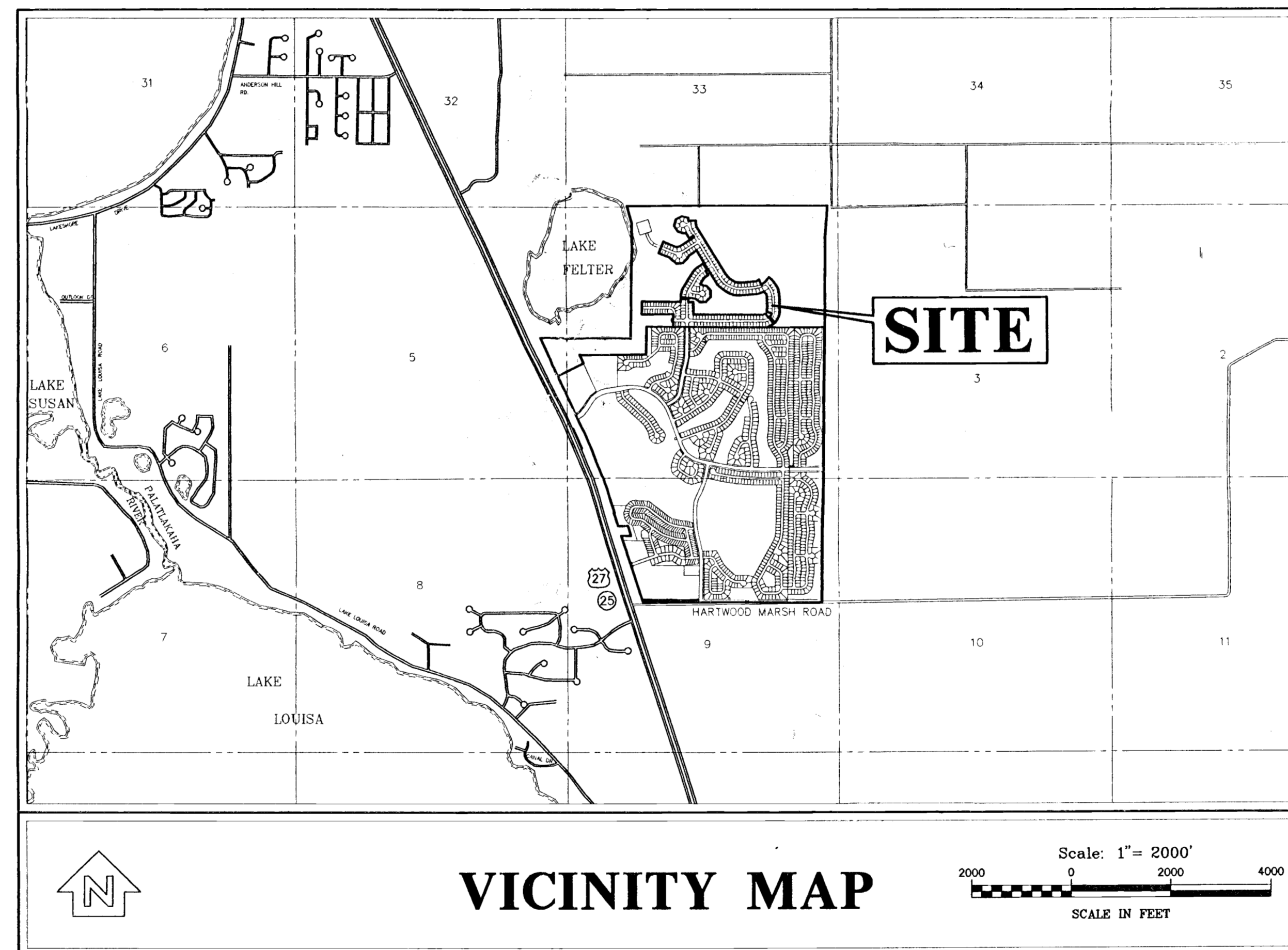
Section 4, Township 23 S., Range 26 E.
Lake County, Florida

Owner/Developer:

LENNAR ACTIVE ADULT COMMUNITIES
1110 Douglas Avenue
Altamonte Springs, FL 32714
(407) 682-9291

Engineer/Planner:

FARNER, BARLEY & ASSOC., INC.
350 North Sinclair Avenue
Tavares, FL 32778
(352) 343-8481
ROBERT E. FARNER, P.E.



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Legal Description

A PARCEL OF LAND LYING WITHIN SECTION 4, TOWNSHIP 23 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF LOT 471, BRIGHTON AT KINGS RIDGE PHASE I, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 38, PAGES 7 AND 8, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE ALONG THE NORTH LINE OF AFORESAID PLAT RUN N89°48'54"W 562.73 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE NORTH LINE OF BRIGHTON AT KINGS RIDGE PHASE I AND ALONG THE NORTH LINE OF DEVONSHIRE AT KINGS RIDGE, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 37, PAGES 29 THROUGH 31, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, RUN N89°48'54"W 1863.58 FEET; THENCE DEPARTING SAID PLATTED BOUNDARY OF DEVONSHIRE AT KINGS RIDGE RUN N011°06'E 101.52 FEET; THENCE N89°48'54"W 24.26 FEET; THENCE N011°06'E 50.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 25.00 FEET; THENCE RUN NORTHEASTERLY 39.27 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE END OF SAID CURVE; THENCE N011°06'E 75.00 FEET; THENCE N89°48'54"W 634.64 FEET; THENCE N041°53'E 250.01 FEET; THENCE S89°48'54"E 782.40 FEET; THENCE N011°06'E 51.74 FEET; THENCE S89°48'54"E 100.00 FEET; THENCE N011°06'E 18.82 FEET TO THE BEGINNING OF A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 325.00 FEET; THENCE RUN NORTHERLY 11.72 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 2°03'59"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN N87°44'55"W 103.00 FEET; THENCE N7°16'E 75.06 FEET; THENCE N18°11'17"E 87.40 FEET; THENCE N30°47'39"E 411.90 FEET; THENCE N42°16'48"E 82.76 FEET; THENCE N51°51'53"E 66.68 FEET; THENCE N58°18'10"E 108.93 FEET; THENCE S31°41'50"E 101.00 FEET; THENCE N58°18'10"E 25.80 FEET; THENCE N31°41'50"W 394.98 FEET; THENCE S58°18'10"W 181.50 FEET; THENCE S31°05'14"W 68.03 FEET; THENCE S42°10'03"W 123.74 FEET; THENCE S84°03'29"W 133.19 FEET; THENCE N51°05'26"W 120.85 FEET; THENCE N46°51'45"W 64.58 FEET; THENCE N87°17'47"W 242.00 FEET; THENCE N22°42'13"E 100.00 FEET; THENCE N67°17'47"W 114.60 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 300.00 FEET; THENCE RUN NORTHWESTERLY 59.45 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 11°21'17"; THENCE ALONG A NON-TANGENT LINE RUN N34°03'30"E 50.00 FEET TO A POINT ON A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 250.00 FEET TO WHICH A RADIAL LINE BEARS S34°03'30"W; THENCE RUN SOUTHEASTERLY 49.54 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 11°21'17" TO THE END OF SAID CURVE; THENCE S67°17'47"E 114.60 FEET; THENCE N22°42'13"E 100.00 FEET; THENCE S67°17'47"E 242.00 FEET; THENCE S74°56'18"E 58.73 FEET; THENCE N78°53'11"E 58.17 FEET; THENCE N59°05'41"E 69.88 FEET; THENCE N58°18'10"E 270.00 FEET; THENCE N31°41'50"W 35.83 FEET; THENCE S58°18'10"W 100.00 FEET; THENCE N31°41'50"W 130.00 FEET; THENCE S58°18'10"W 19.20 FEET; THENCE N74°19'07"W 147.30 FEET; THENCE N32°19'22"W 131.64 FEET; THENCE N15°04'30"E 140.44 FEET; THENCE N62°27'39"E 131.62 FEET; THENCE S75°32'36"E 137.52 FEET TO A POINT ON A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 125.00 FEET TO WHICH A RADIAL LINE BEARS N84°57'45"W; THENCE RUN SOUTHERLY 10.52 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 4°49'26" TO THE END OF SAID CURVE; THENCE S01°24'49"W 50.87 FEET; THENCE S89°47'11"E 150.00 FEET; THENCE S01°24'49"W 60.50 FEET; THENCE S01°24'49"E 57.84 FEET; THENCE S31°41'12"E 60.41 FEET; THENCE S31°41'50"E 1043.17 FEET; THENCE S34°56'51"E 76.61 FEET; THENCE S43°55'15"E 63.82 FEET; THENCE S56°53'29"E 63.82 FEET; THENCE S68°11'43"E 63.82 FEET; THENCE S79°08'24"E 59.40 FEET; THENCE S89°36'09"E 59.40 FEET; THENCE N85°50'47"E 60.51 FEET; THENCE N85°53'58"E 181.50 FEET; THENCE N81°12'57"E 59.56 FEET; THENCE N88°54'21"E 59.42 FEET; THENCE S27°17'46"E 100.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 375.00 FEET TO WHICH A RADIAL LINE BEARS S27°17'46"E; THENCE RUN NORTHEASTERLY 206.02 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 31°28'39"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN S58°48'25"E 50.00 FEET; THENCE S41°18'00"E 98.28 FEET; THENCE S34°36'08"E 73.21 FEET; THENCE S25°49'03"E 73.21 FEET; THENCE S17°02'00"E 73.21 FEET; THENCE S81°16'21"E 72.86 FEET; THENCE S4°06'02"E 73.80 FEET; THENCE S01°10'06"W 174.34 FEET; THENCE S1°52'41"E 65.70 FEET; THENCE S10°47'24"W 80.40 FEET; THENCE S24°52'09"W 80.40 FEET; THENCE S38°56'54"W 80.40 FEET; THENCE N44°00'43"W 103.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 225.00 FEET TO WHICH A RADIAL LINE BEARS S44°00'43"E; THENCE RUN SOUTHWESTERLY 23.14 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 5°53'31"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN S38°07'12"E 103.00 FEET; THENCE S58°55'10"W 80.40 FEET; THENCE S70°23'22"W 80.94 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT THE FOLLOWING-DESCRIBED PARCEL:
COMMENCE AT THE NORTHEAST CORNER OF LOT 471, BRIGHTON AT KINGS RIDGE PHASE I, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 38, PAGES 7 AND 8, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE ALONG THE NORTH LINE OF AFORESAID PLAT RUN N89°48'54"W 562.73 FEET; THENCE DEPARTING SAID PLATTED BOUNDARY OF DEVONSHIRE AT KINGS RIDGE, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 37, PAGES 29 THROUGH 31, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, RUN N89°48'54"W 1863.58 FEET; THENCE DEPARTING SAID PLATTED BOUNDARY OF DEVONSHIRE AT KINGS RIDGE RUN N011°06'E 101.52 FEET; THENCE N89°48'54"W 24.26 FEET; THENCE N011°06'E 50.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 25.00 FEET; THENCE RUN NORTHEASTERLY 39.27 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE END OF SAID CURVE; THENCE N011°06'E 75.00 FEET; THENCE N89°48'54"W 634.64 FEET; THENCE N041°53'E 250.01 FEET; THENCE S89°48'54"E 782.40 FEET; THENCE N011°06'E 51.74 FEET; THENCE S89°48'54"E 100.00 FEET; THENCE N011°06'E 18.82 FEET TO THE BEGINNING OF A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 325.00 FEET; THENCE RUN NORTHERLY 11.72 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 2°03'59"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN N87°44'55"W 103.00 FEET; THENCE N7°16'E 75.06 FEET; THENCE N18°11'17"E 87.40 FEET; THENCE N30°47'39"E 411.90 FEET; THENCE N42°16'48"E 82.76 FEET; THENCE N51°51'53"E 66.68 FEET; THENCE N58°18'10"E 108.93 FEET; THENCE S31°41'50"E 101.00 FEET; THENCE N58°18'10"E 25.80 FEET; THENCE N31°41'50"W 394.98 FEET; THENCE S58°18'10"W 181.50 FEET; THENCE S31°05'14"W 68.03 FEET; THENCE S42°10'03"W 123.74 FEET; THENCE S84°03'29"W 133.19 FEET; THENCE N51°05'26"W 120.85 FEET; THENCE N46°51'45"W 64.58 FEET; THENCE N87°17'47"W 242.00 FEET; THENCE N22°42'13"E 100.00 FEET; THENCE N67°17'47"W 114.60 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 300.00 FEET; THENCE RUN NORTHWESTERLY 59.45 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 11°21'17"; THENCE ALONG A NON-TANGENT LINE RUN N34°03'30"E 50.00 FEET TO A POINT ON A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 250.00 FEET TO WHICH A RADIAL LINE BEARS S34°03'30"W; THENCE RUN SOUTHEASTERLY 49.54 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 11°21'17" TO THE END OF SAID CURVE; THENCE S67°17'47"E 114.60 FEET; THENCE N22°42'13"E 100.00 FEET; THENCE S67°17'47"E 242.00 FEET; THENCE S74°56'18"E 58.73 FEET; THENCE N78°53'11"E 58.17 FEET; THENCE N59°05'41"E 69.88 FEET; THENCE N58°18'10"E 270.00 FEET; THENCE N31°41'50"W 35.83 FEET; THENCE S58°18'10"W 100.00 FEET; THENCE N31°41'50"W 130.00 FEET; THENCE S58°18'10"W 19.20 FEET; THENCE N74°19'07"W 147.30 FEET; THENCE N32°19'22"W 131.64 FEET; THENCE N15°04'30"E 140.44 FEET; THENCE N62°27'39"E 131.62 FEET; THENCE S75°32'36"E 137.52 FEET TO A POINT ON A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 125.00 FEET TO WHICH A RADIAL LINE BEARS N84°57'45"W; THENCE RUN SOUTHERLY 10.52 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 4°49'26" TO THE END OF SAID CURVE; THENCE S01°24'49"W 50.87 FEET; THENCE S89°47'11"E 150.00 FEET; THENCE S01°24'49"W 60.50 FEET; THENCE S01°24'49"E 57.84 FEET; THENCE S31°41'12"E 60.41 FEET; THENCE S31°41'50"E 1043.17 FEET; THENCE S34°56'51"E 76.61 FEET; THENCE S43°55'15"E 63.82 FEET; THENCE S56°53'29"E 63.82 FEET; THENCE S68°11'43"E 63.82 FEET; THENCE S79°08'24"E 59.40 FEET; THENCE S89°36'09"E 59.40 FEET; THENCE N85°50'47"E 60.51 FEET; THENCE N85°53'58"E 181.50 FEET; THENCE N81°12'57"E 59.56 FEET; THENCE N88°54'21"E 59.42 FEET; THENCE S27°17'46"E 100.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 375.00 FEET TO WHICH A RADIAL LINE BEARS S27°17'46"E; THENCE RUN NORTHEASTERLY 206.02 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 31°28'39"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN S58°48'25"E 50.00 FEET; THENCE S41°18'00"E 98.28 FEET; THENCE S34°36'08"E 73.21 FEET; THENCE S25°49'03"E 73.21 FEET; THENCE S17°02'00"E 73.21 FEET; THENCE S81°16'21"E 72.86 FEET; THENCE S4°06'02"E 73.80 FEET; THENCE S01°10'06"W 174.34 FEET; THENCE S1°52'41"E 65.70 FEET; THENCE S10°47'24"W 80.40 FEET; THENCE S24°52'09"W 80.40 FEET; THENCE S38°56'54"W 80.40 FEET; THENCE N44°00'43"W 103.00 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 225.00 FEET TO WHICH A RADIAL LINE BEARS S44°00'43"E; THENCE RUN SOUTHWESTERLY 23.14 FEET ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 5°53'31"; THENCE DEPARTING SAID CURVE ALONG A NON-TANGENT LINE RUN S38°07'12"E 103.00 FEET; THENCE S58°55'10"W 80.40 FEET; THENCE S70°23'22"W 80.94 FEET TO THE POINT OF BEGINNING.

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MAR 13 2000
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SIR INFO

MATCH LINE- STA. 33+00

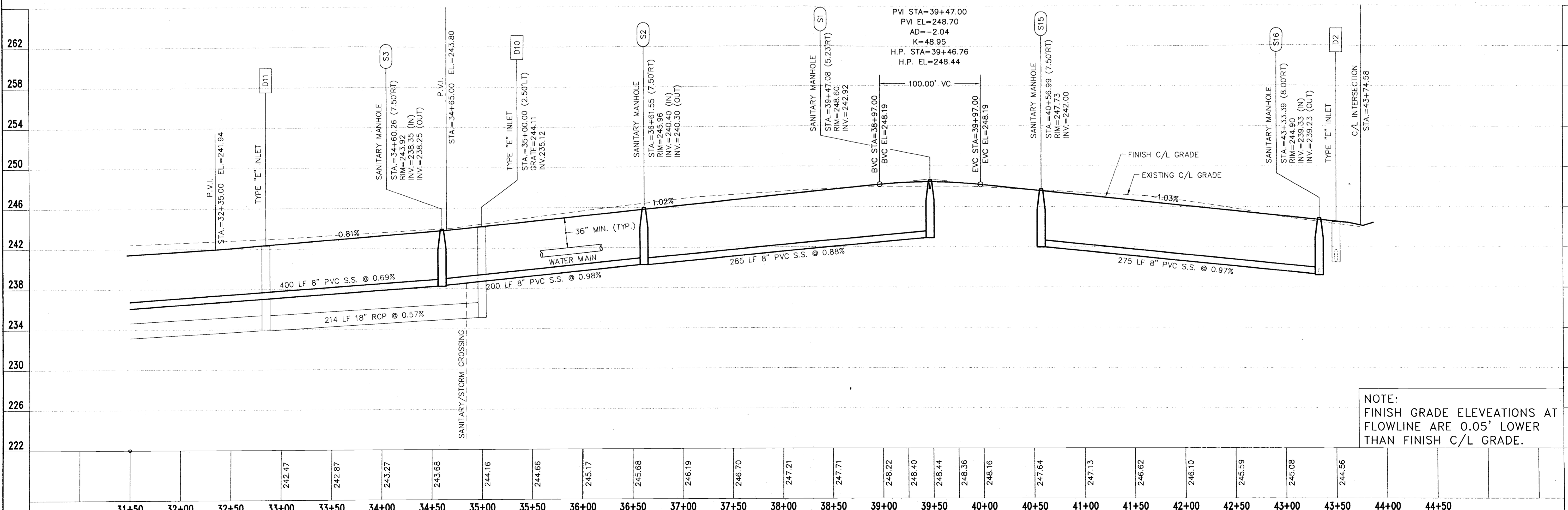
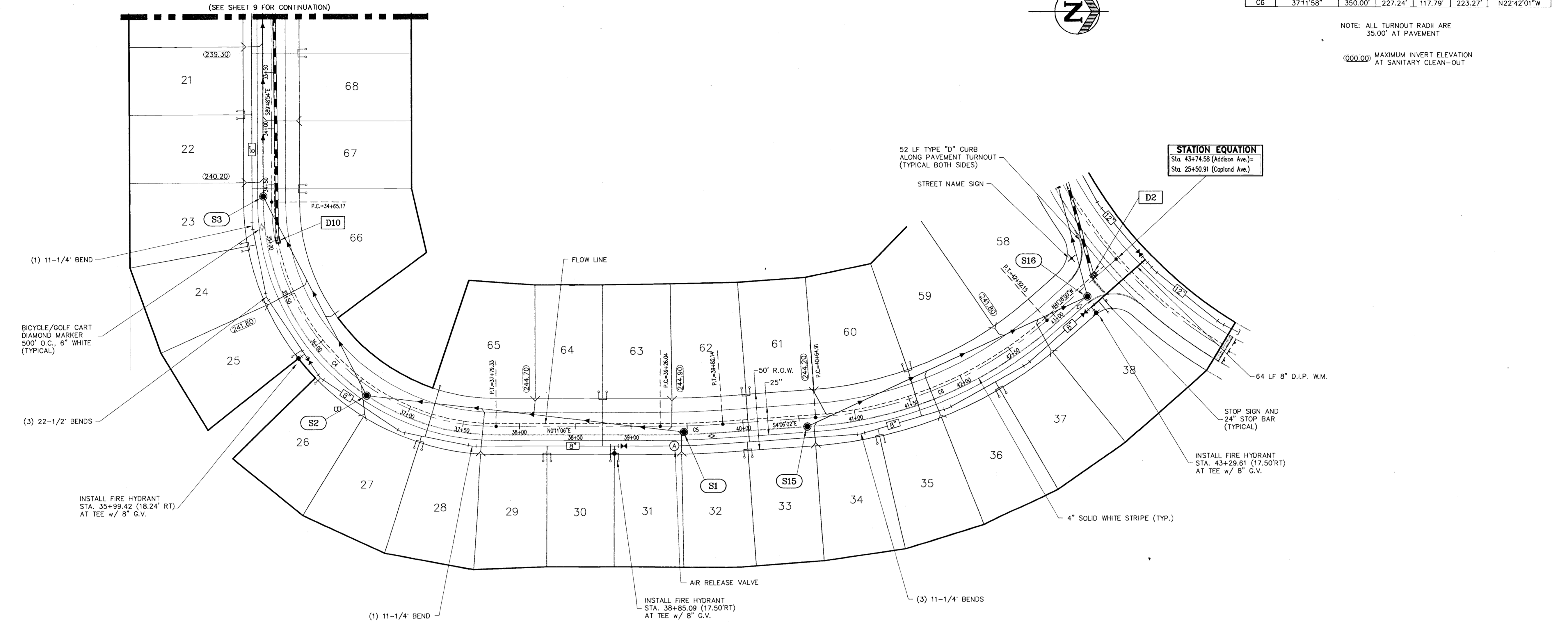
(SEE SHEET 9 FOR CONTINUATION)

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING
C4	90°00'00"	200.00'	314.16'	200.00'	282.84'	N45°11'06"E
C5	417°08'	750.00'	56.10'	28.06'	56.09'	N1°57'28"W
C6	37°11'58"	350.00'	227.24'	117.79'	223.27'	N22°42'01"W

NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT

⑩⑩⑩⑩⑩ MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT

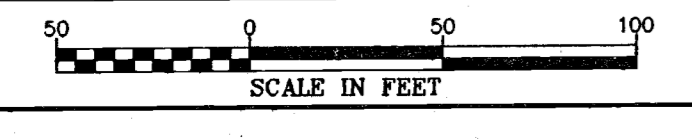
STATION EQUATION
Sta. 43+74.58 (Addison Ave.) =
Sta. 25+50.91 (Capland Ave.)



NOTE: FINISH GRADE ELEVATIONS AT FLOWLINE ARE 0.05' LOWER THAN FINISH C/L GRADE.

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'



ADDISON AVENUE

ENGINEERS
SURVEYORS
PLANNERS

**FARNER
BARLEY**
AND ASSOCIATES, INC.

350 North Sinclair Avenue
Tallahassee, Florida 32378
(904) 343-8481

**PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I**

REVISION
DATE REVISION

CHECKED: [Signature]
PROJECT: 941216.091
DATE: FEB. 2000
DRAWN BY: JMM

Sht. 10

FILE NAME: *

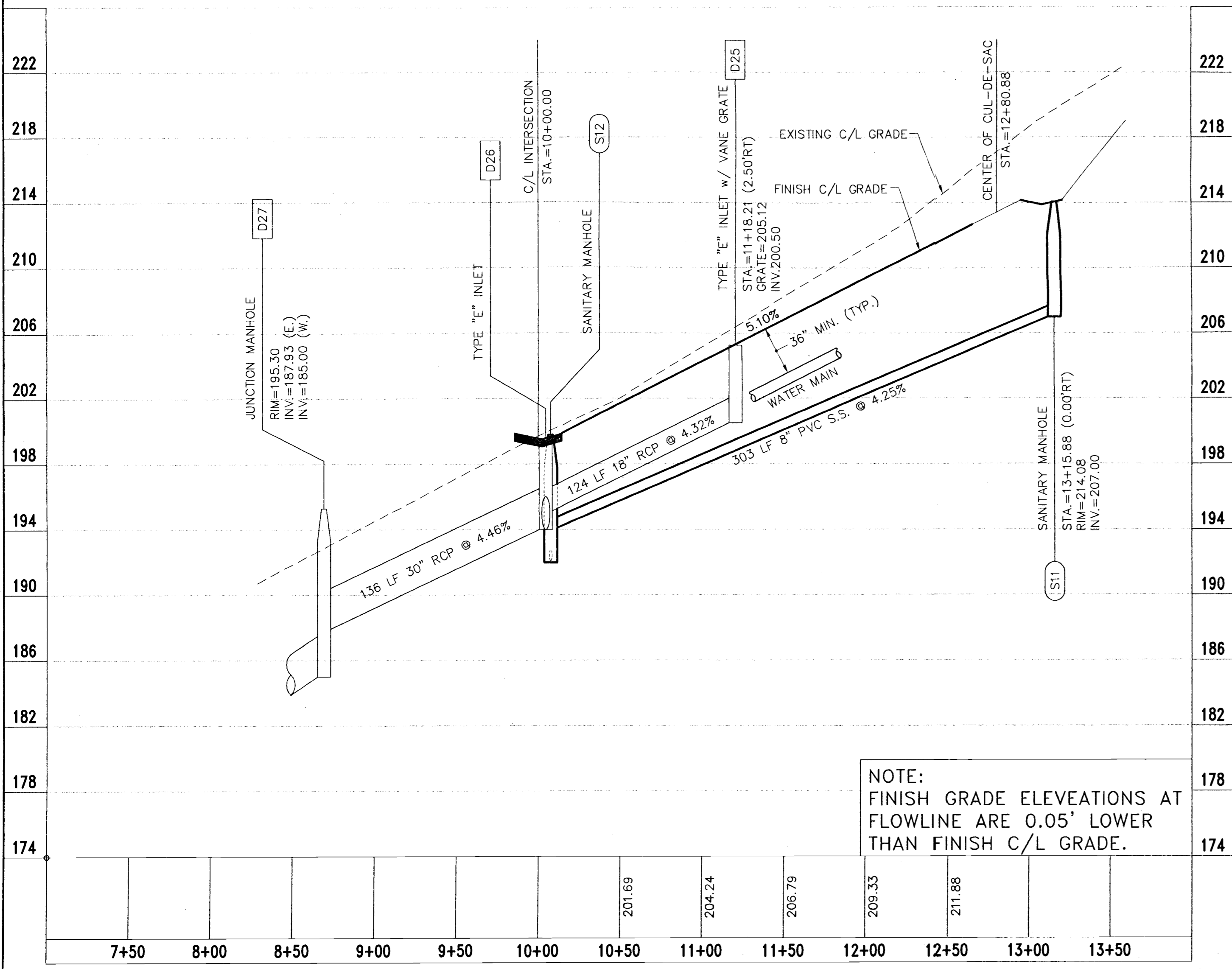
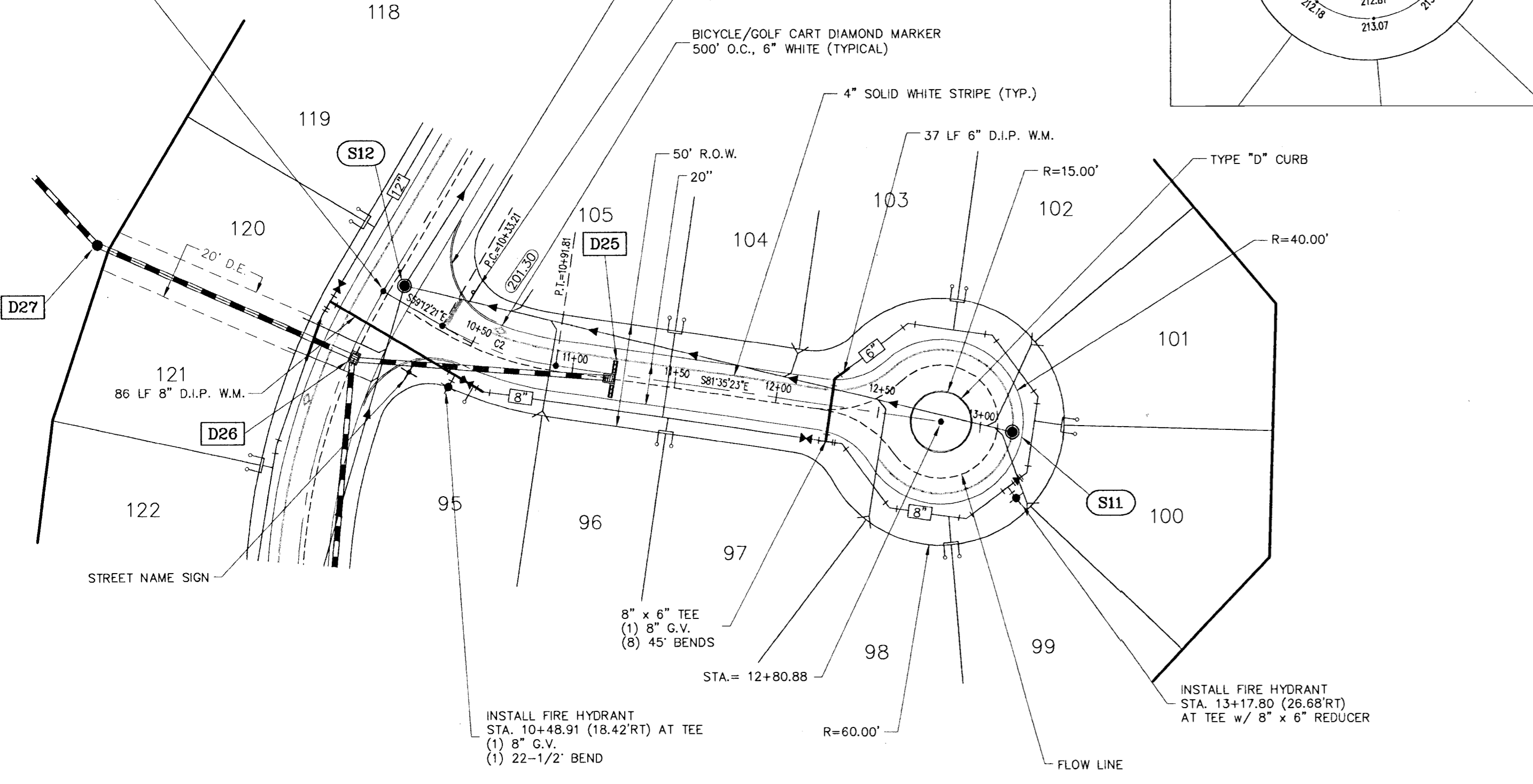
MAR 10 2000

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING
C2	22.23°02"	150.00'	58.60'	29.68'	58.23'	S70°23'52"E

NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT

000.00 MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT

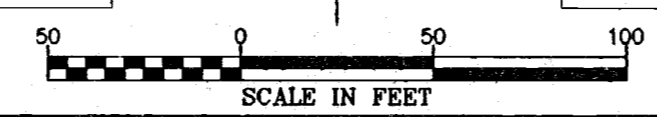
STATION EQUATION
Sta. 10+00.00 (Elverson Ave.) =
Sta. 34+73.12 (Copeland Hill Blvd.)



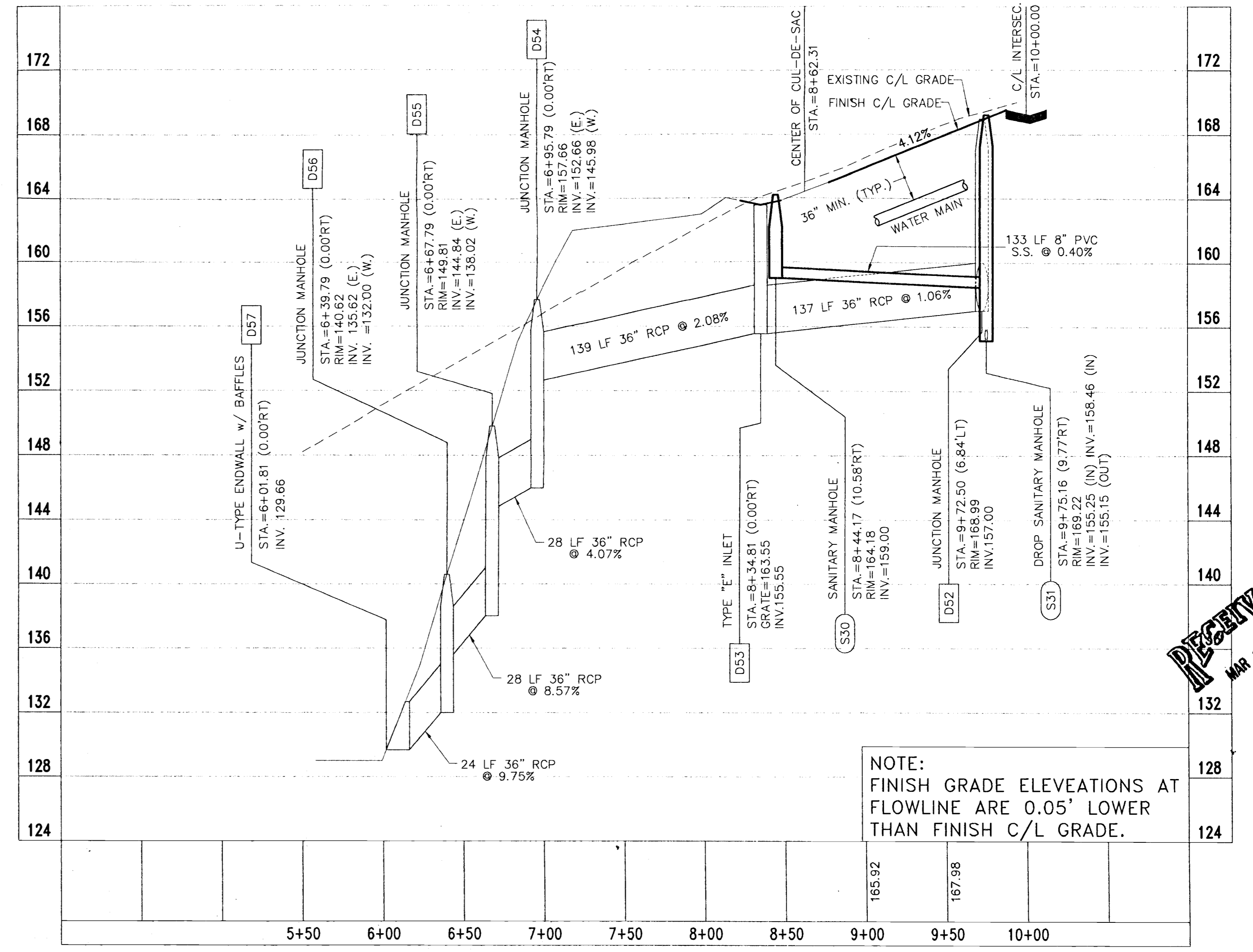
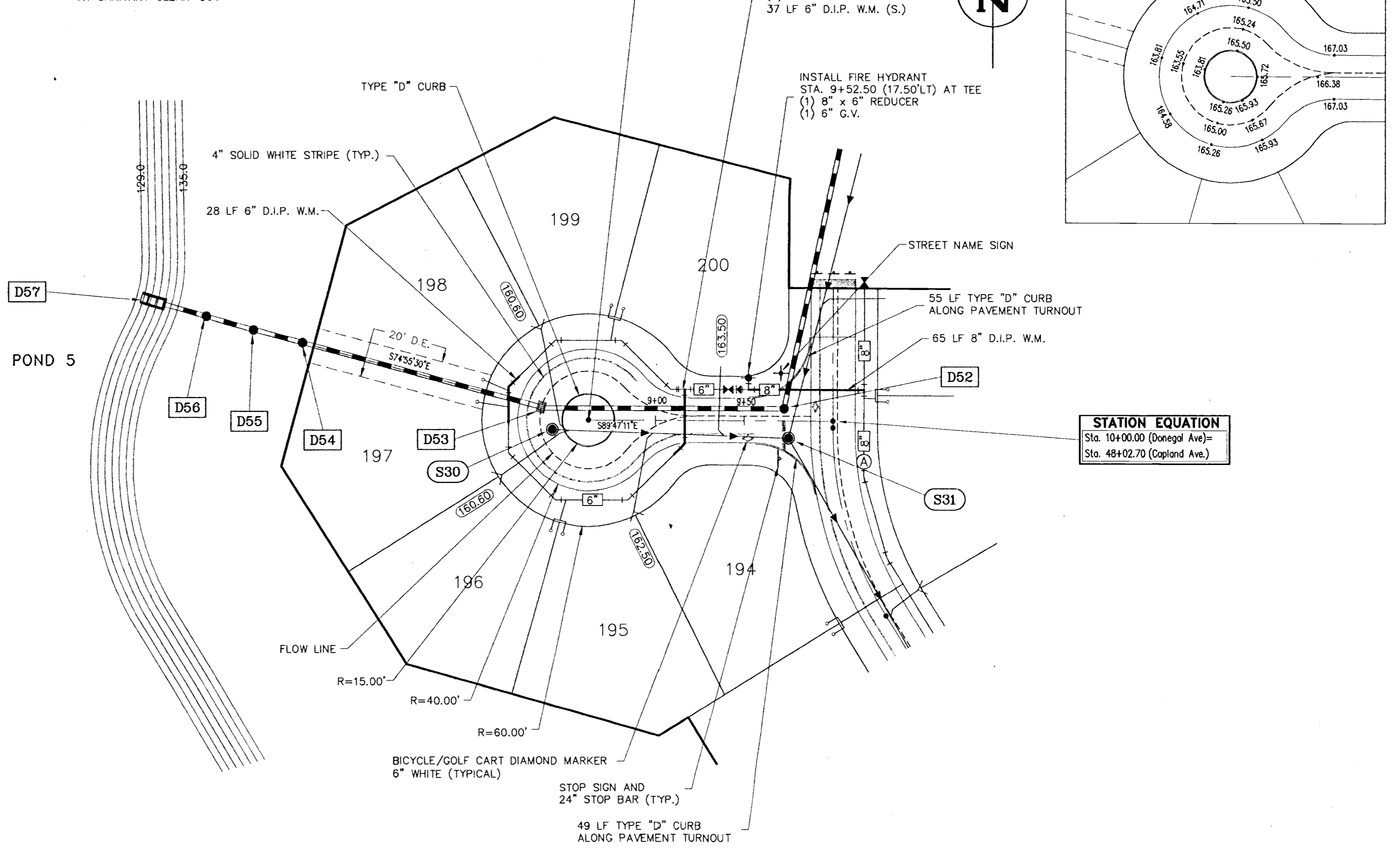
NOTE:
FINISH GRADE ELEVATIONS AT
FLOWLINE ARE 0.05' LOWER
THAN FINISH C/L GRADE.

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

ELVERSON AVENUE

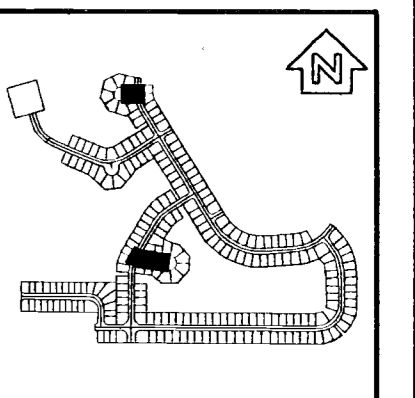


NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT
000.00 MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT



NOTE:
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DONEGAL AVENUE



DATE	REVISION

ENGINEERS
SURVEYORS
PLANNERS

**FARNEY
BARLEY**
AND ASSOCIATES, INC.

350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

**PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I**

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MAR 17 2000

PROJECT NO.: 941216.091
DATE: FEB. 2000
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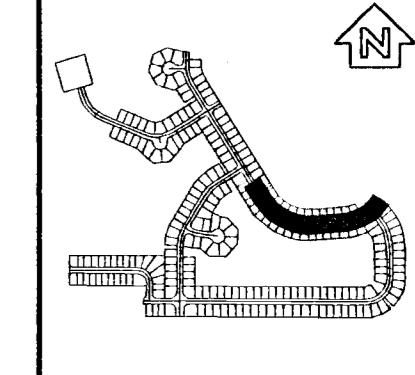
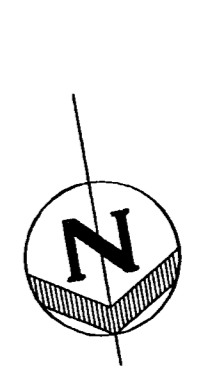
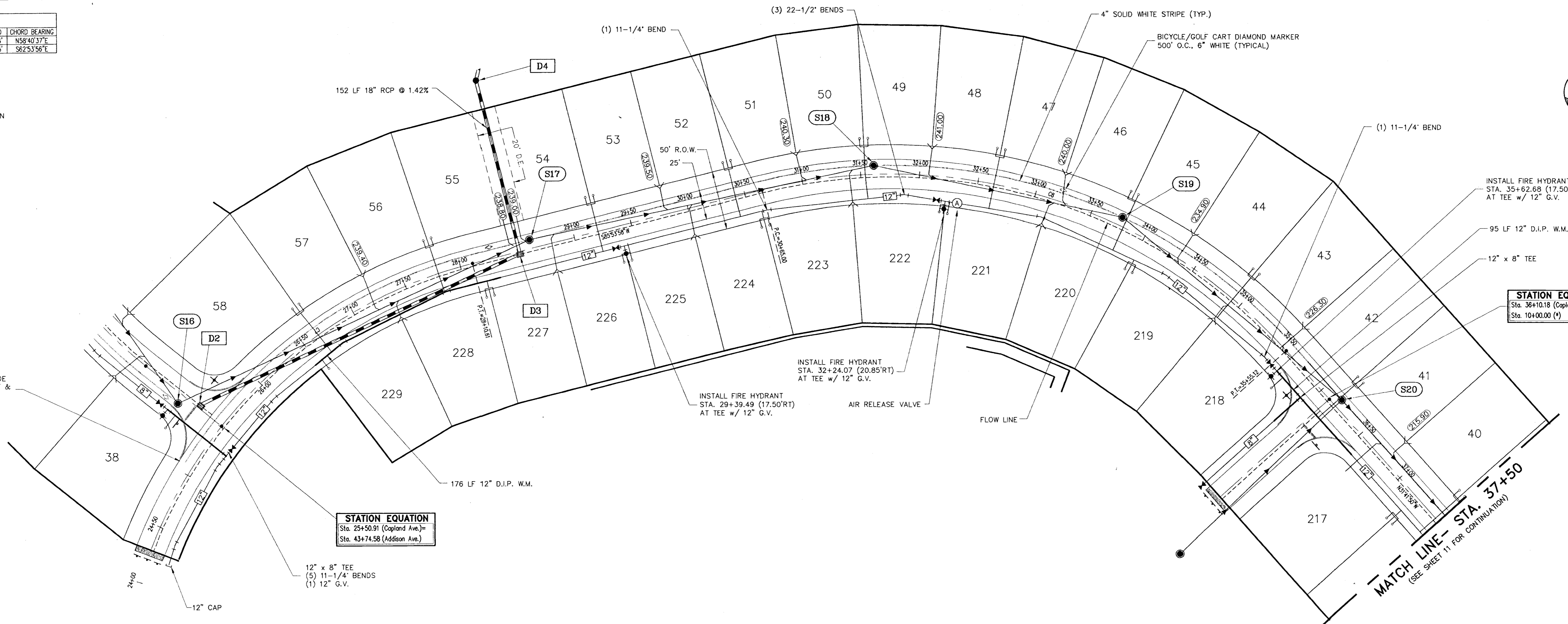
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FILE NAME: *

MAR 10 2000

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING
C7	54°28'42"	400.00'	380.10'	205.77'	NS84°01'17"
D8	62°24'12"	450.00'	490.11'	272.55'	S62°53'56"E

NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT
 (000.00) MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT

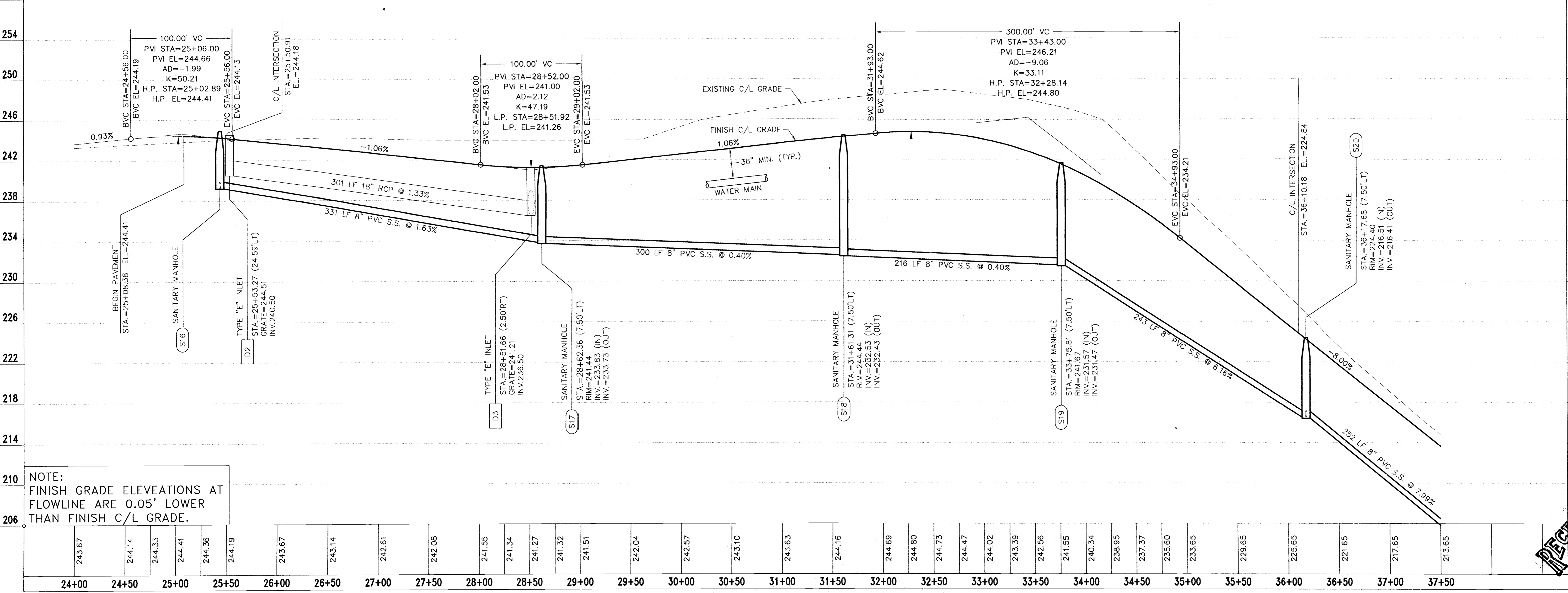


DATE	REVISION

STATION EQUATION
 Sta. 36+10.18 (Capland Ave.) =
 Sta. 10+00.00 (*)

STATION EQUATION
 Sta. 25+50.91 (Capland Ave.) =
 Sta. 43+74.58 (Addison Ave.)

MATCH LINE - STA. 37+50
 (SEE SHEET 11 FOR CONTINUATION)



NOTE:
 FINISH GRADE ELEVATIONS AT
 FLOWLINE ARE 0.05' LOWER
 THAN FINISH C/L GRADE.

HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'

CAPLAND AVENUE

ENGINEERS
 SURVEYORS
 PLANNERS

FARBER BARLEY
 AND ASSOCIATES, INC.

350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

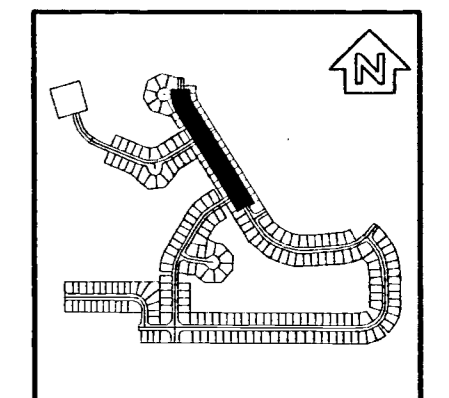
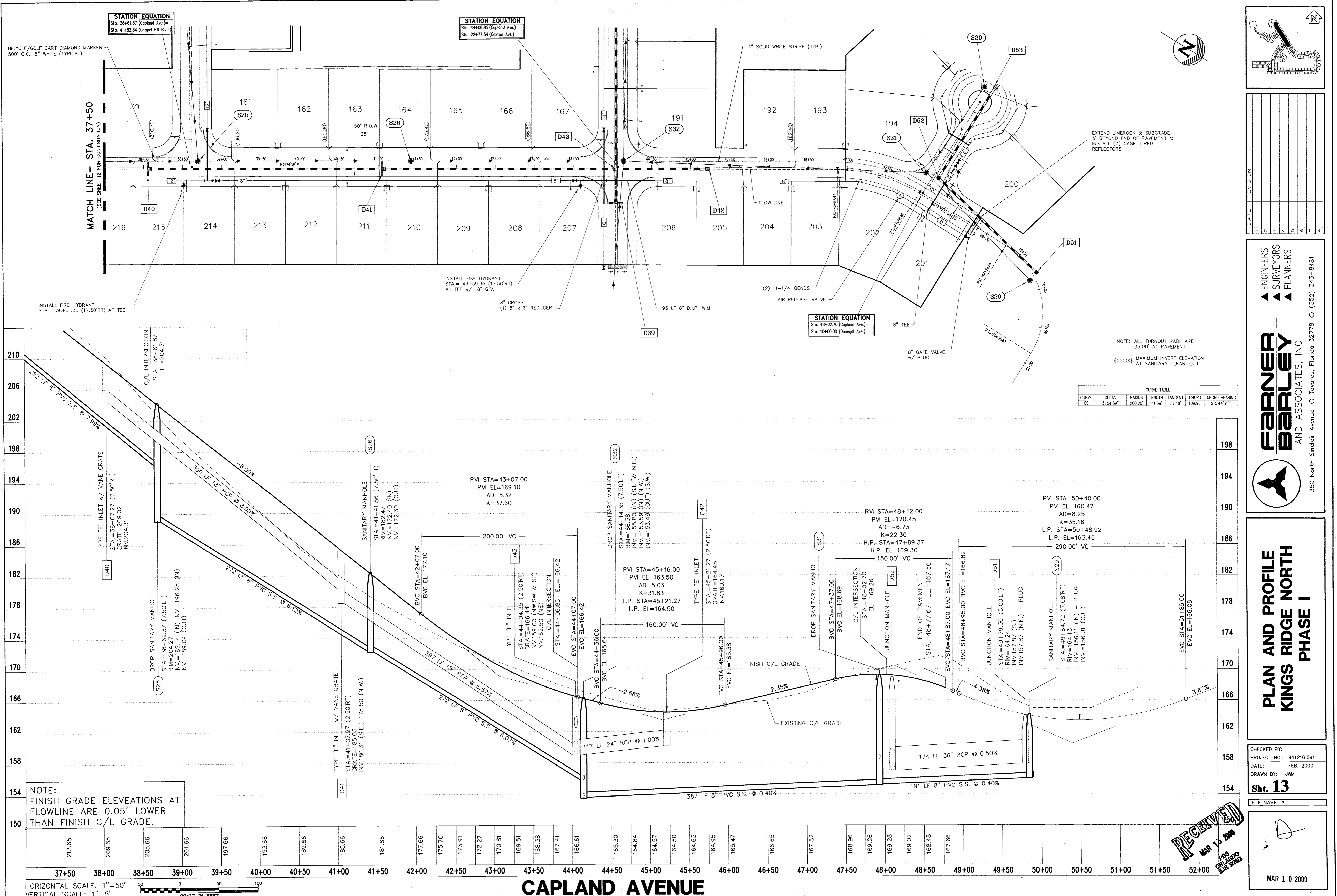
**PLAN AND PROFILE
 KINGS RIDGE NORTH
 PHASE I**

CHECKED BY:
 PROJECT NO.: 941216.091
 DATE: FEB. 2000
 DRAWN BY: JWM

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**FARNEY
BARLEY**
AND ASSOCIATES, INC.

350 North Sinclair Avenue O. Tavares, Florida 32778 O (352) 343-8481

**PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I**

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FILE NAME: *

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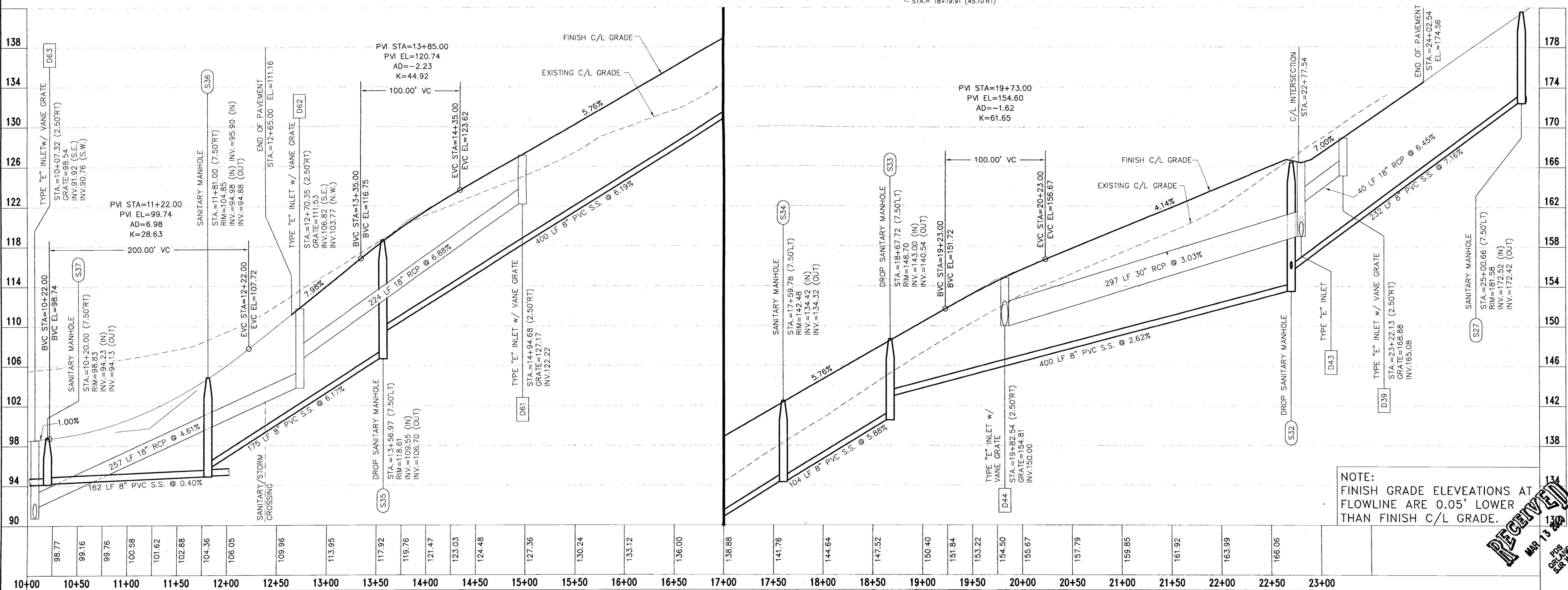
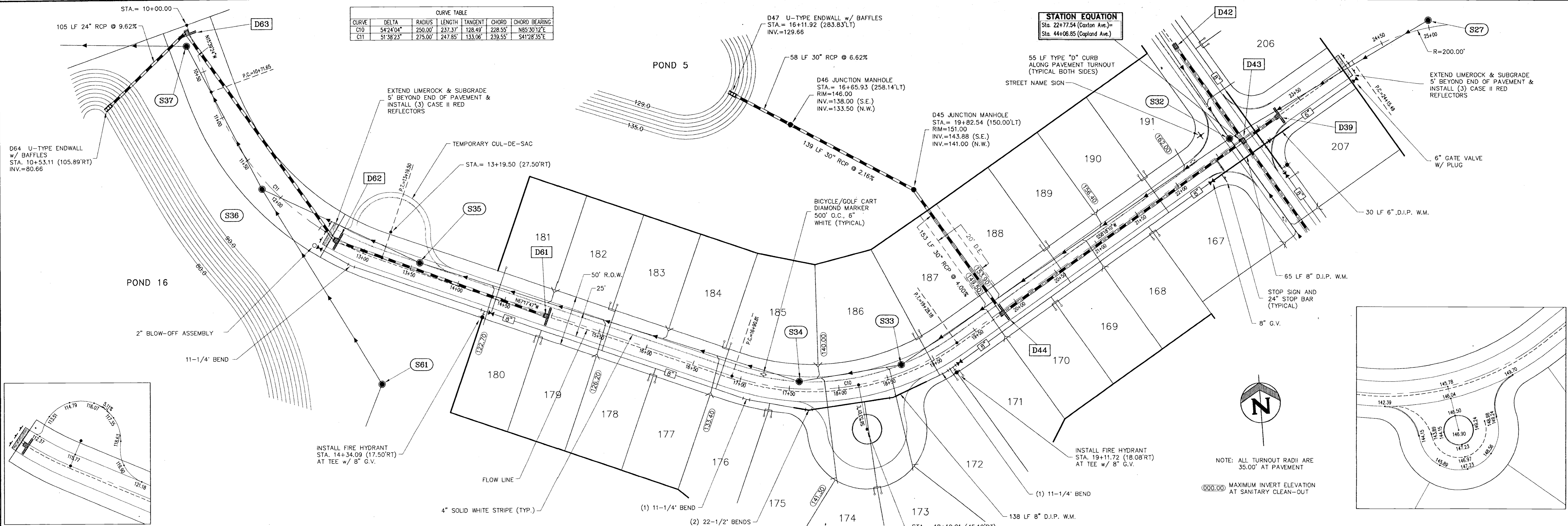
CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING
C3	31°54'39"	200.00'	111.39'	57.16'	109.95'	S15°44'31"E

NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT
MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT

NOTE:
FINISH GRADE ELEVATIONS AT FLOWLINE ARE 0.05' LOWER THAN FINISH C/L GRADE.

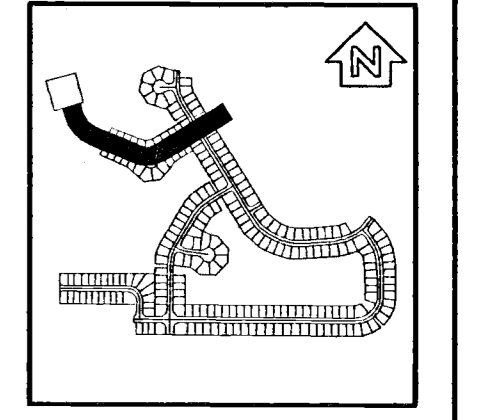
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

CAPLAND AVENUE



HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

CAXTON AVENUE



DATE	REVISION

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PLANNERS

**FARNER
BARLEY**
AND ASSOCIATES, INC.

350 North Sinclair Avenue • Tallahassee, Florida 32378 • (904) 343-8481

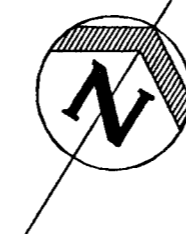
**PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JWM

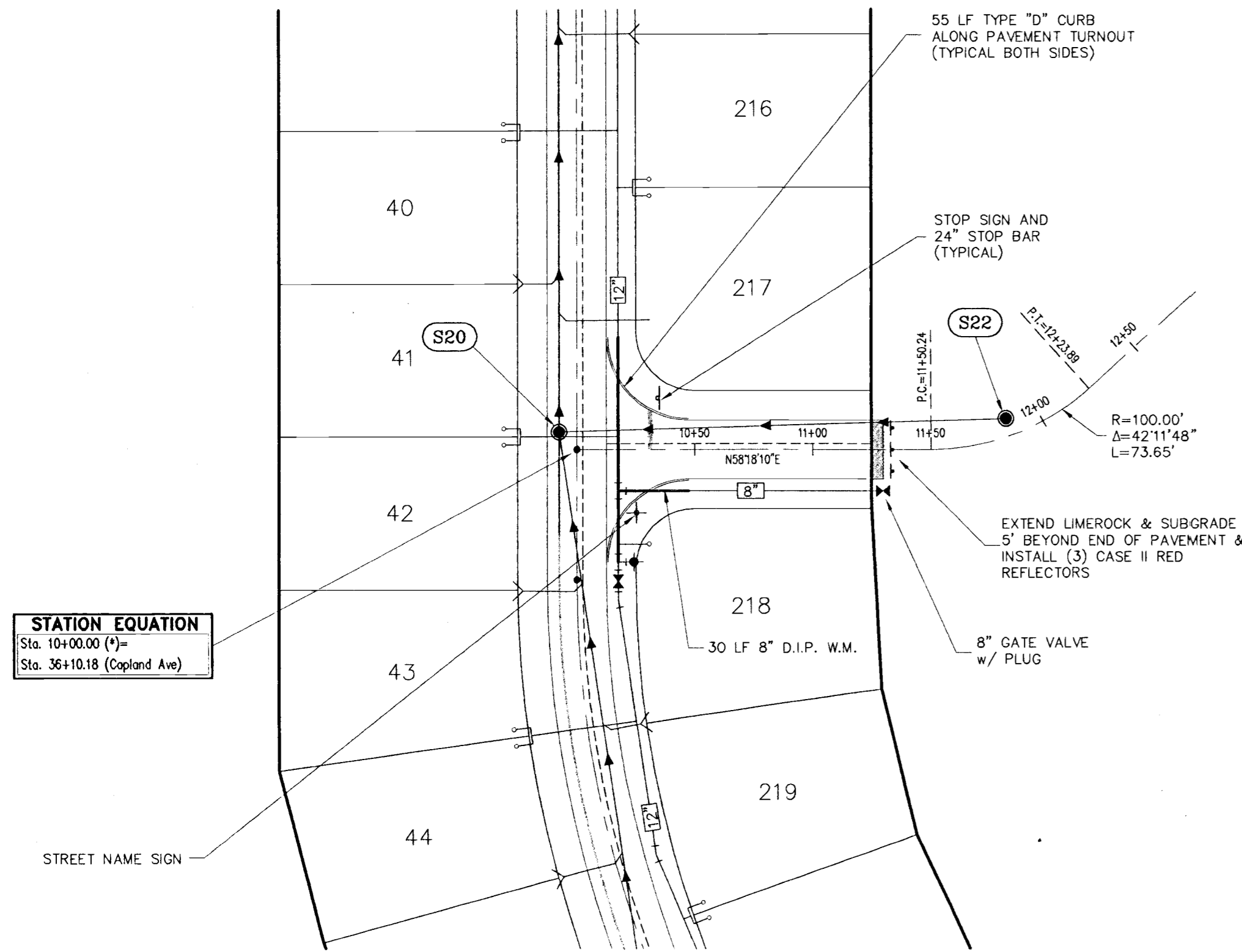
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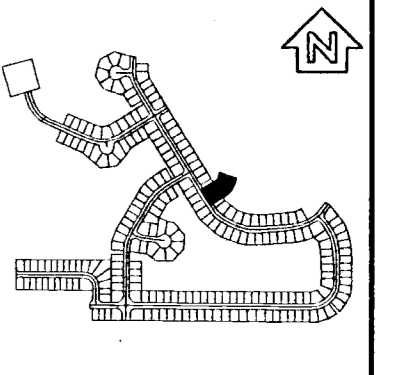
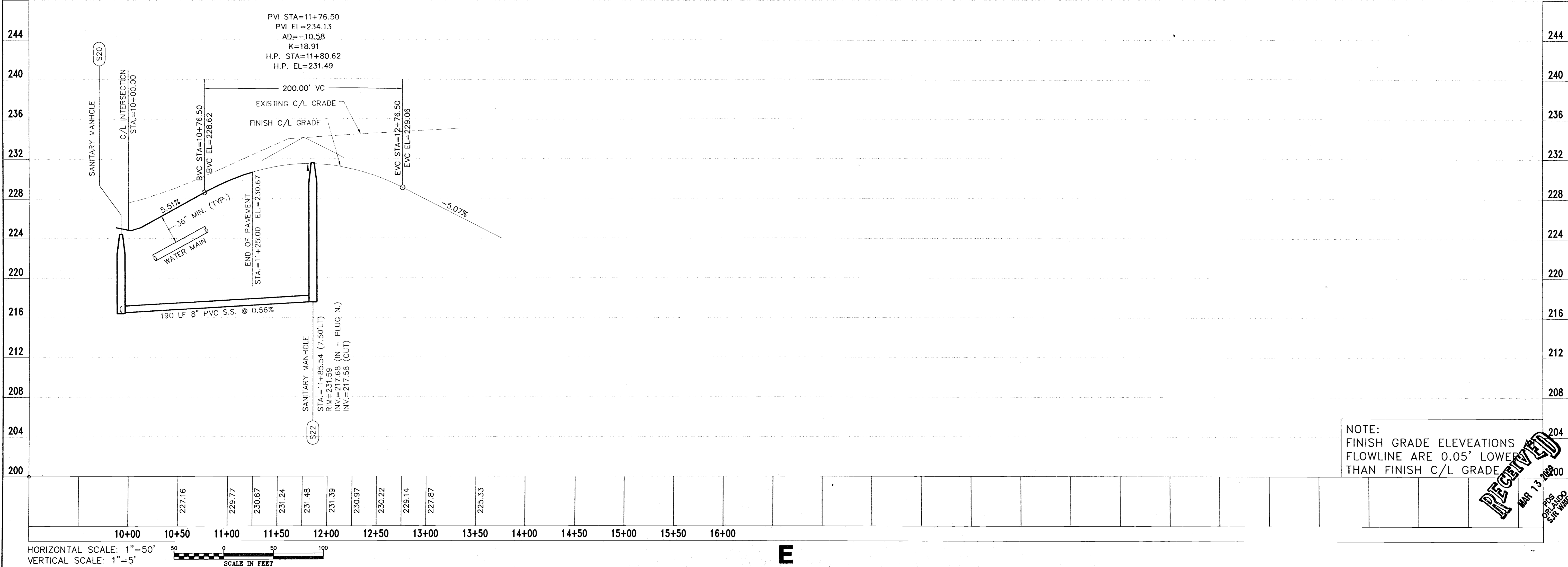
MAR 10 2000



NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT



STATION EQUATION
Sta. 10+00.00 (+)
Sta. 36+10.18 (Copland Ave)



DATE	REVISION

ENGINEERS
▲ SURVEYORS
▲ PLANNERS

**FARNEY
BARBLEY**
AND ASSOCIATES, INC.

350 North Sinclair Avenue O Tevares, Florida 32778 O (352) 343-8481

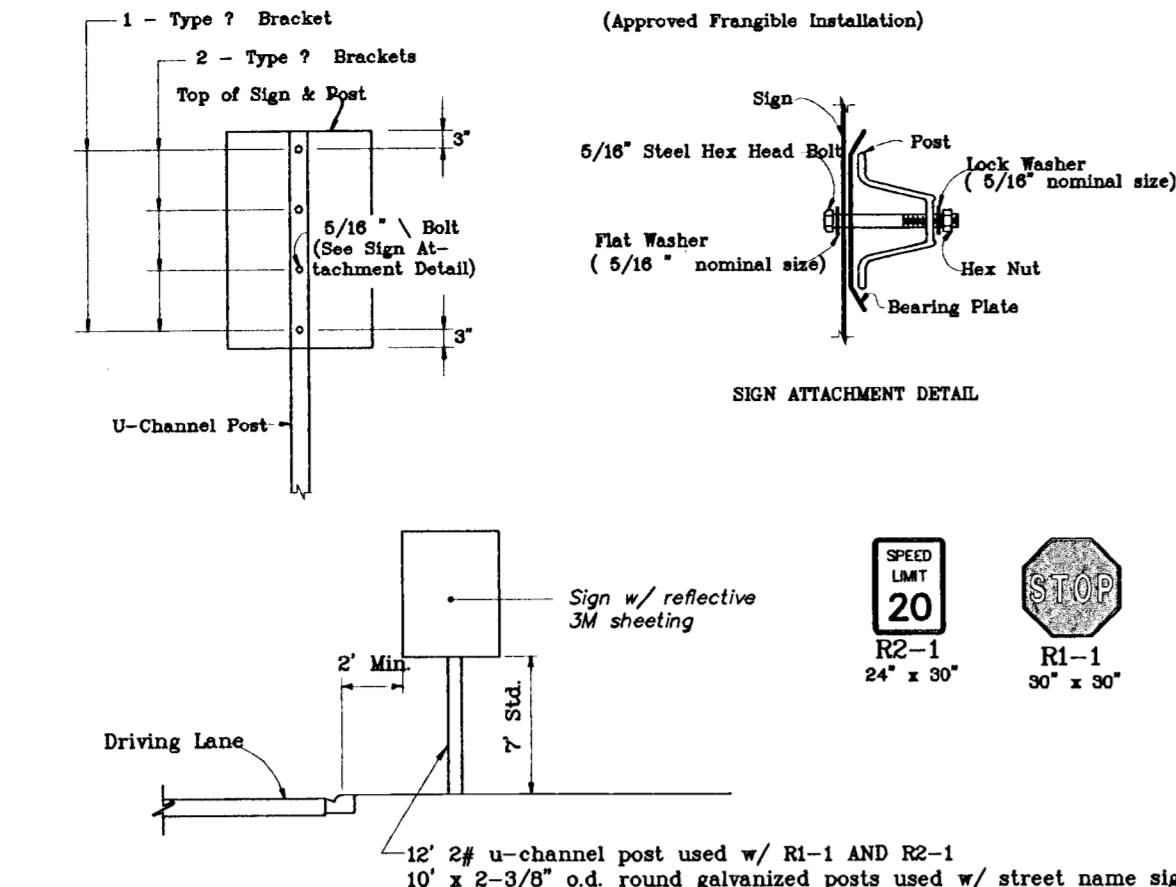
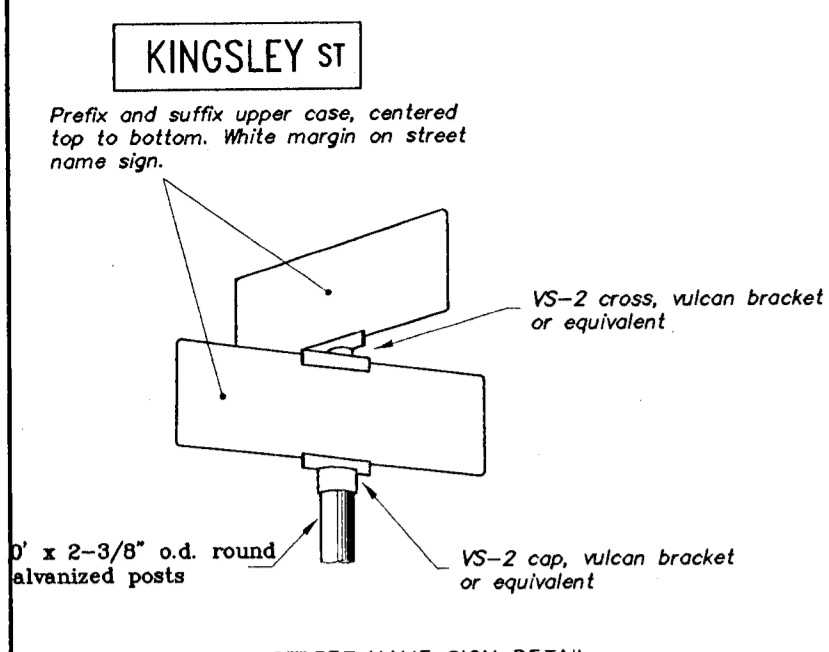
PLAN AND PROFILE KINGS RIDGE NORTH PHASE I

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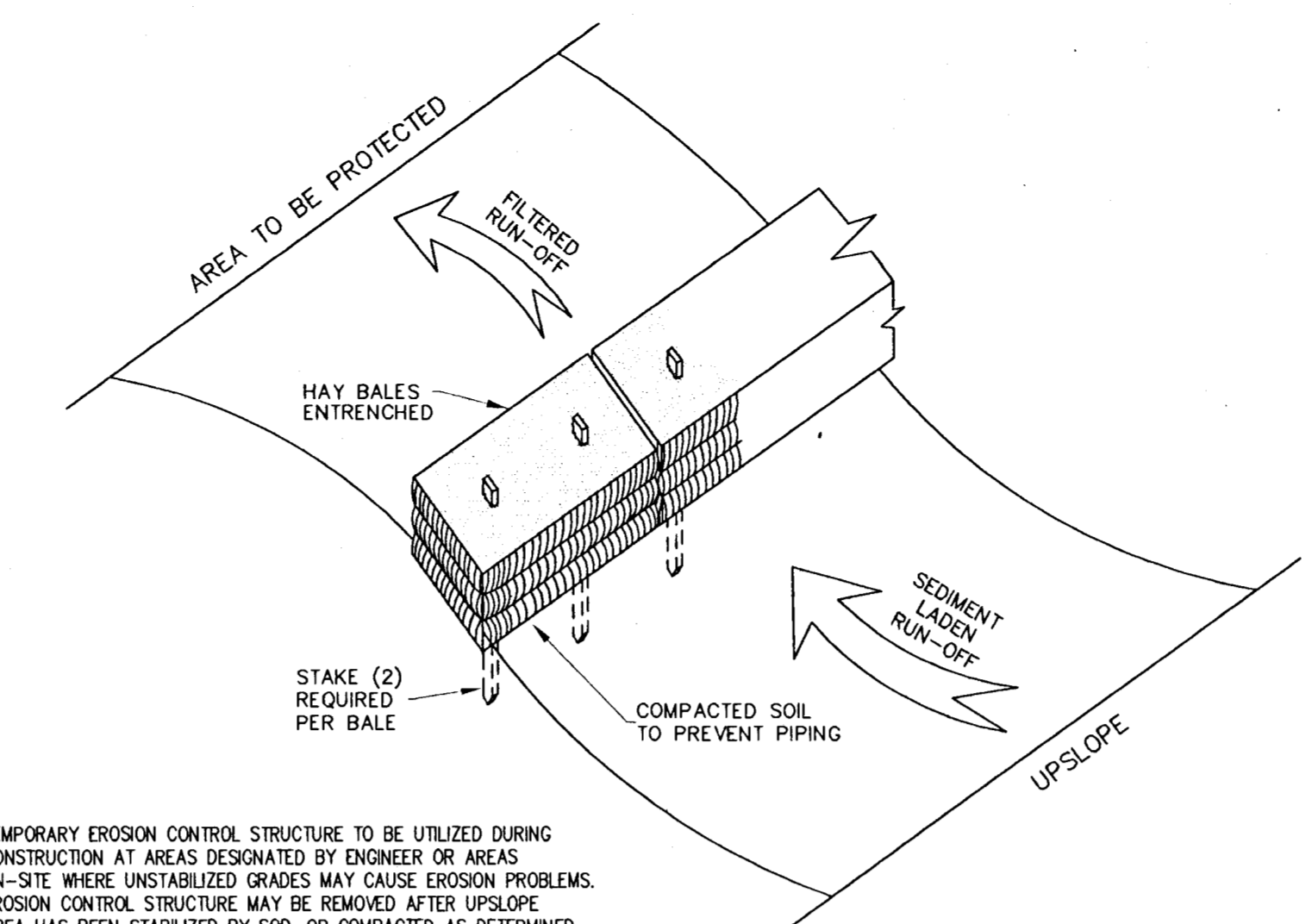
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FILE NAME: *

MAR 13 2000
PDS
GRAND
SURV
E
MAR 1 0 2000



STREET AND STOP SIGN DETAILS



- NOTES:
- TEMPORARY EROSION CONTROL STRUCTURE TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY ENGINEER OR AREAS ON-SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL STRUCTURE MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOO, OR COMPACTED AS DETERMINED BY CONTRACTOR.
 - ALTERNATE EROSION CONTROL STRUCTURE:
WOVEN FILTER FABRIC SILT FENCE IN ACCORDANCE WITH F.D.O.T. INDEX #102. FILTER FABRIC IN ACCORDANCE WITH SECTION 985 OF THE F.D.O.T. STANDARD SPECIFICATIONS.

EROSION CONTROL STRUCTURE
NOT TO SCALE

THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF-SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.

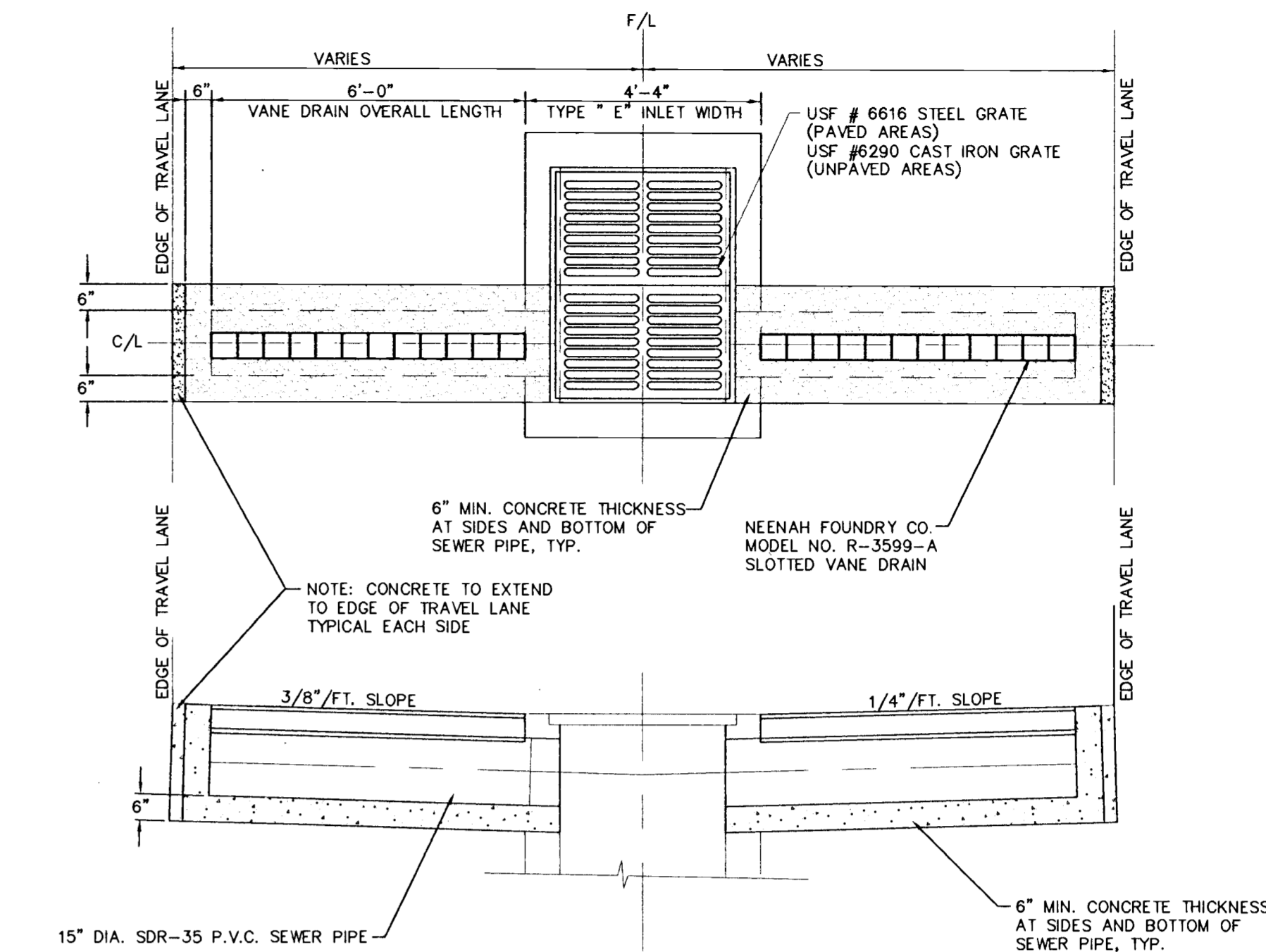
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

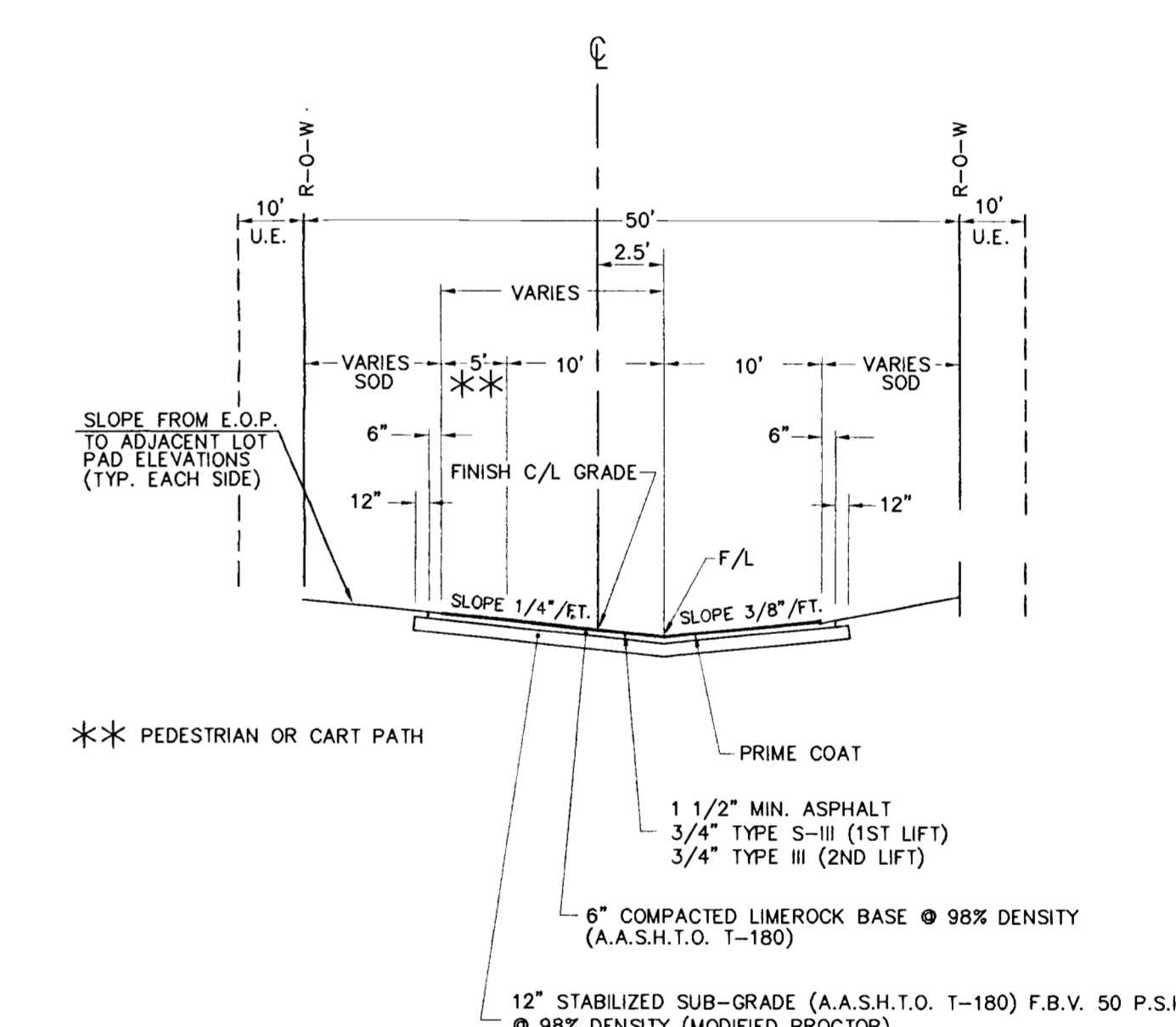
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEED.

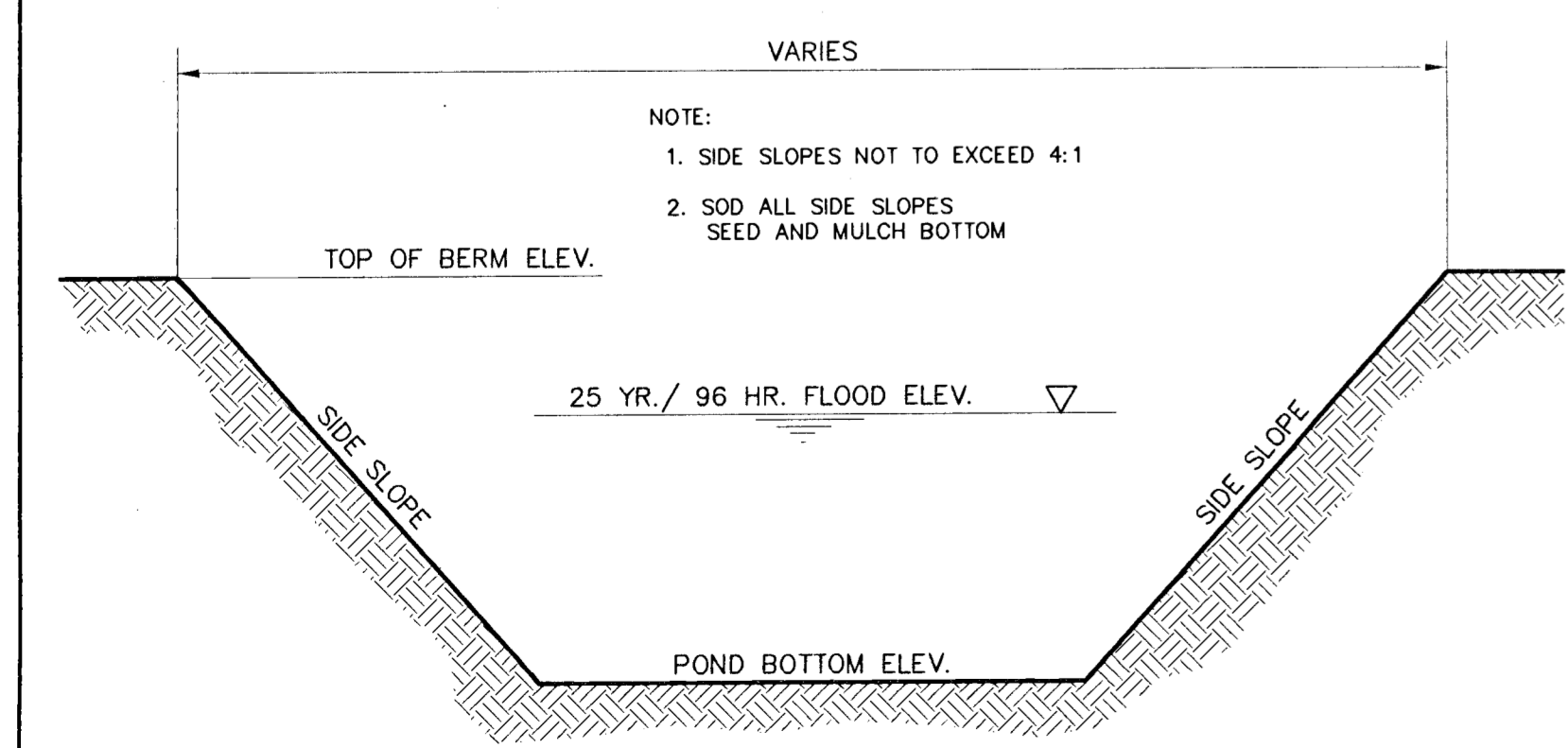


TYPE "E" INLET W/ VANE DRAINS
(TYPE "E" INLET - D.O.T. INDEX NO. 232)
(VANE GRATES AS REQUIRED)

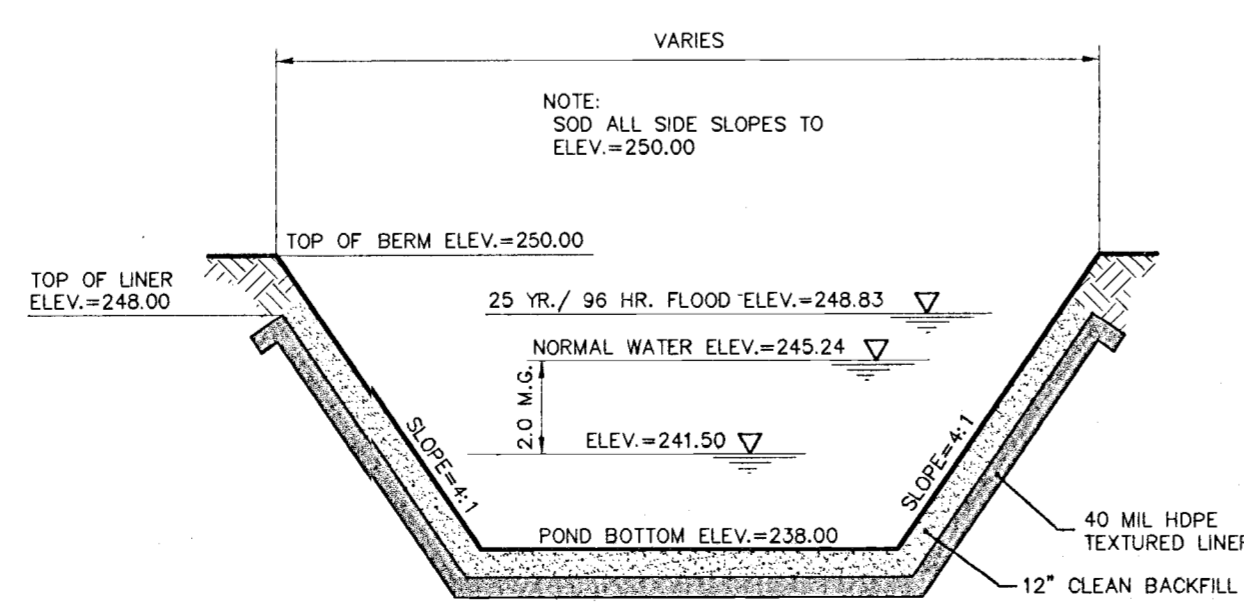


TYPICAL ROAD SECTION
50' RIGHT OF WAY
N.T.S.

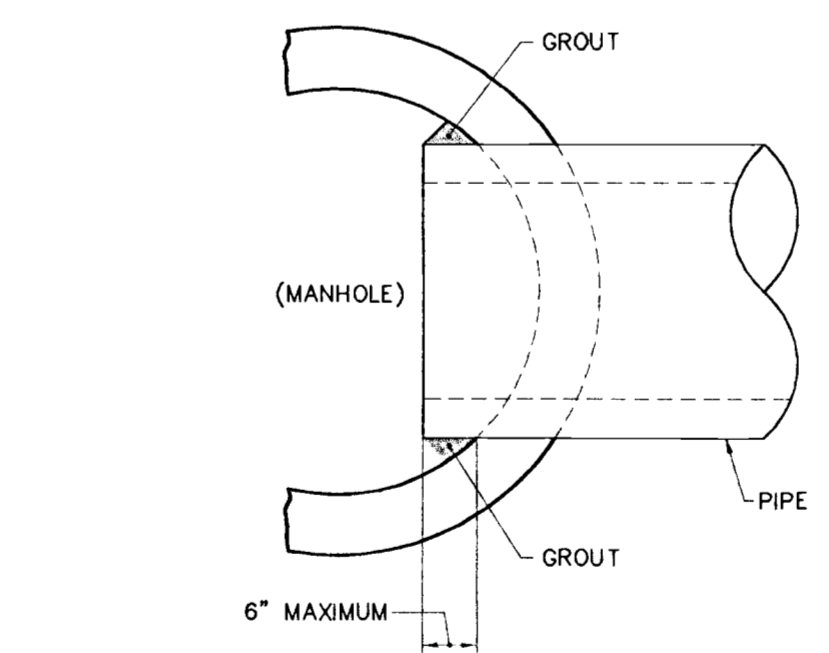
POND DATA				
POND NO.	TOP OF BERM	FLOOD ELEV.	BOTTOM ELEV.	SIDE SLOPE
5	129	134.65	135	4:1
6	239	234.79	233	6:1
10	146	144.11	136	4:1
11	171	166.89	163	4:1
16	90	88.60	80	4:1



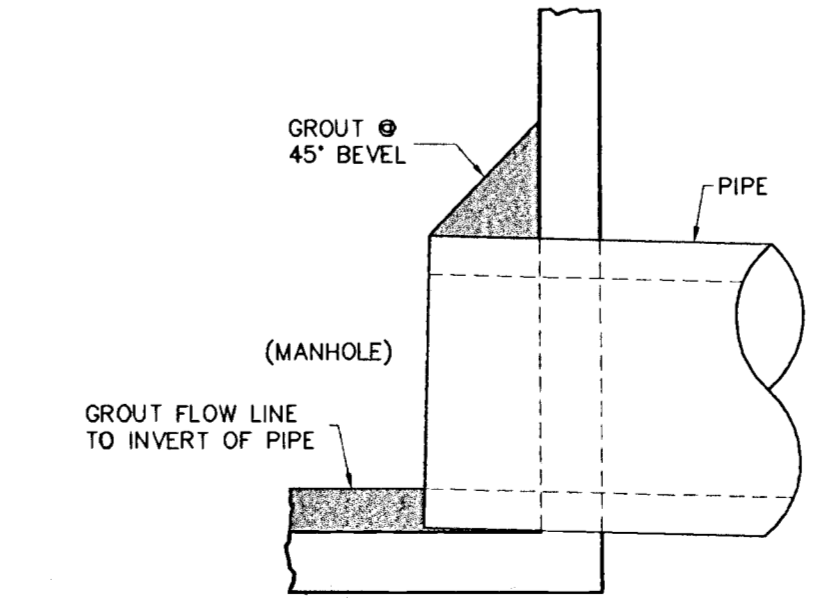
TYPICAL POND SECTION



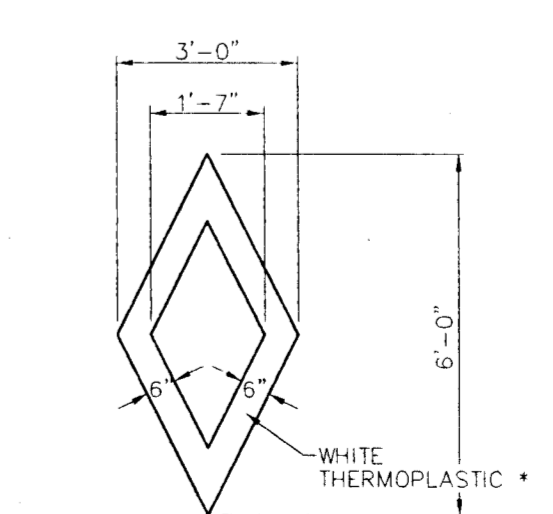
POND NO. 2



TYPICAL STORM PIPE CONNECTION



TYPICAL STORM PIPE CONNECTION



DIAMOND BICYCLE MARKING
D.O.T. INDEX NO. 17346

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PLANNERS

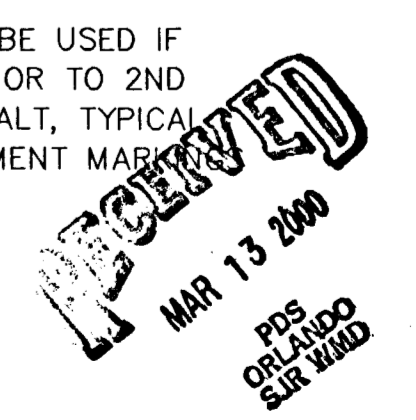
**FARNER
BARLEY**
AND ASSOCIATES, INC.

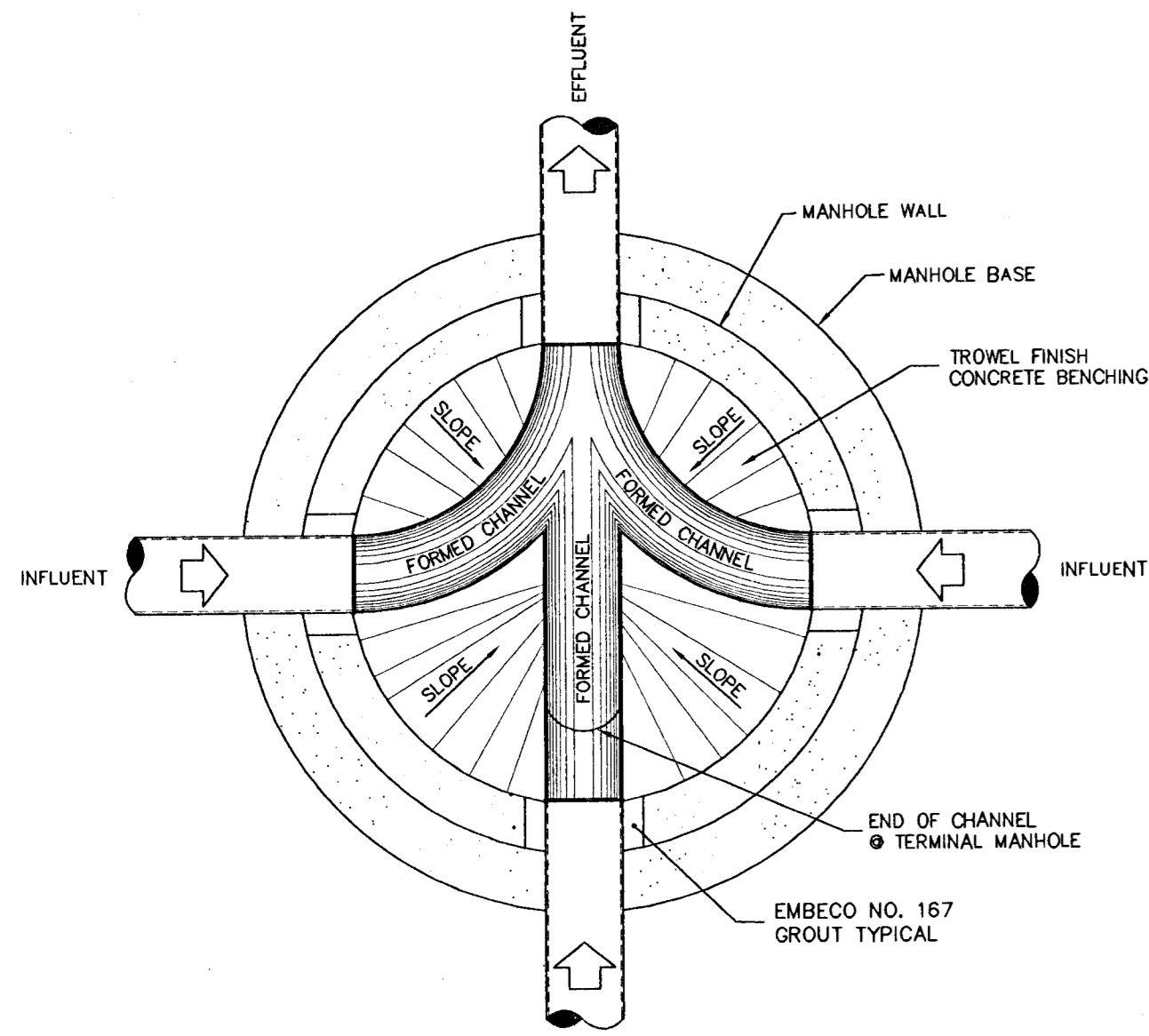
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Tallahassee, Florida 32378
O (352) 343-8481

PAVING & DRAINAGE
DETAILS NORTH
KINGS RIDGE NORTH
PHASE I

CHECKED BY:
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DRAWN BY: JMM
Sht. 16

FILE NAME: *
MAR 10 2000

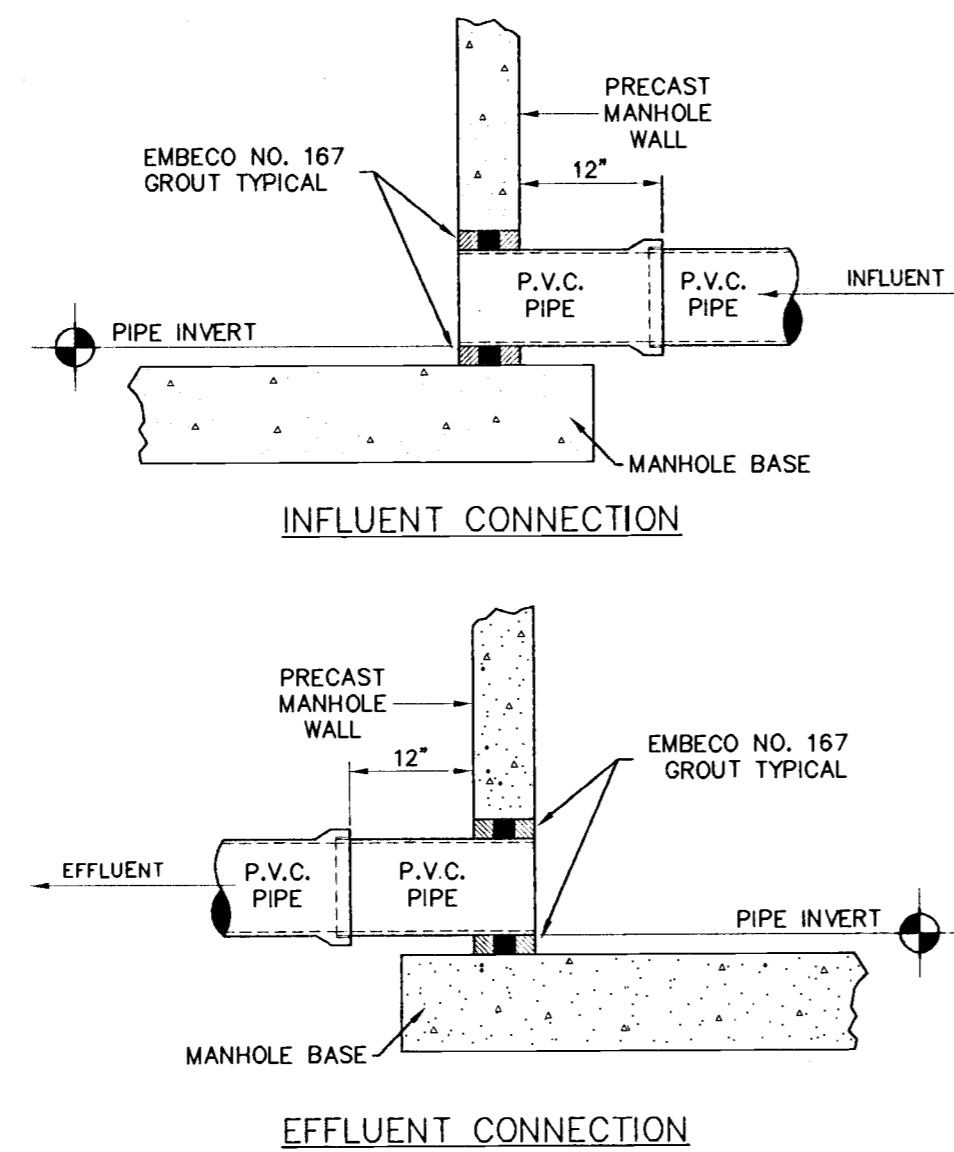




FLOW PATTERNS FOR INVERT CHANNELS

- NOTES: 1. INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS. HALF PIPE INVERT CHANNELS.
 2. SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOWS.
 3. CHANNELS FOR FUTURE CONNECTIONS (STUBS) SHALL BE CONSTRUCTED, FILLED WITH SAND AND COVERED WITH 1" OF MORTAR.
 4. WHERE PIPE INVERTS DIFFER BY MORE THAN 2 FEET (2'), PROVIDE A TEE AND DROP-PIPE TO PREVENT SPLATTER.

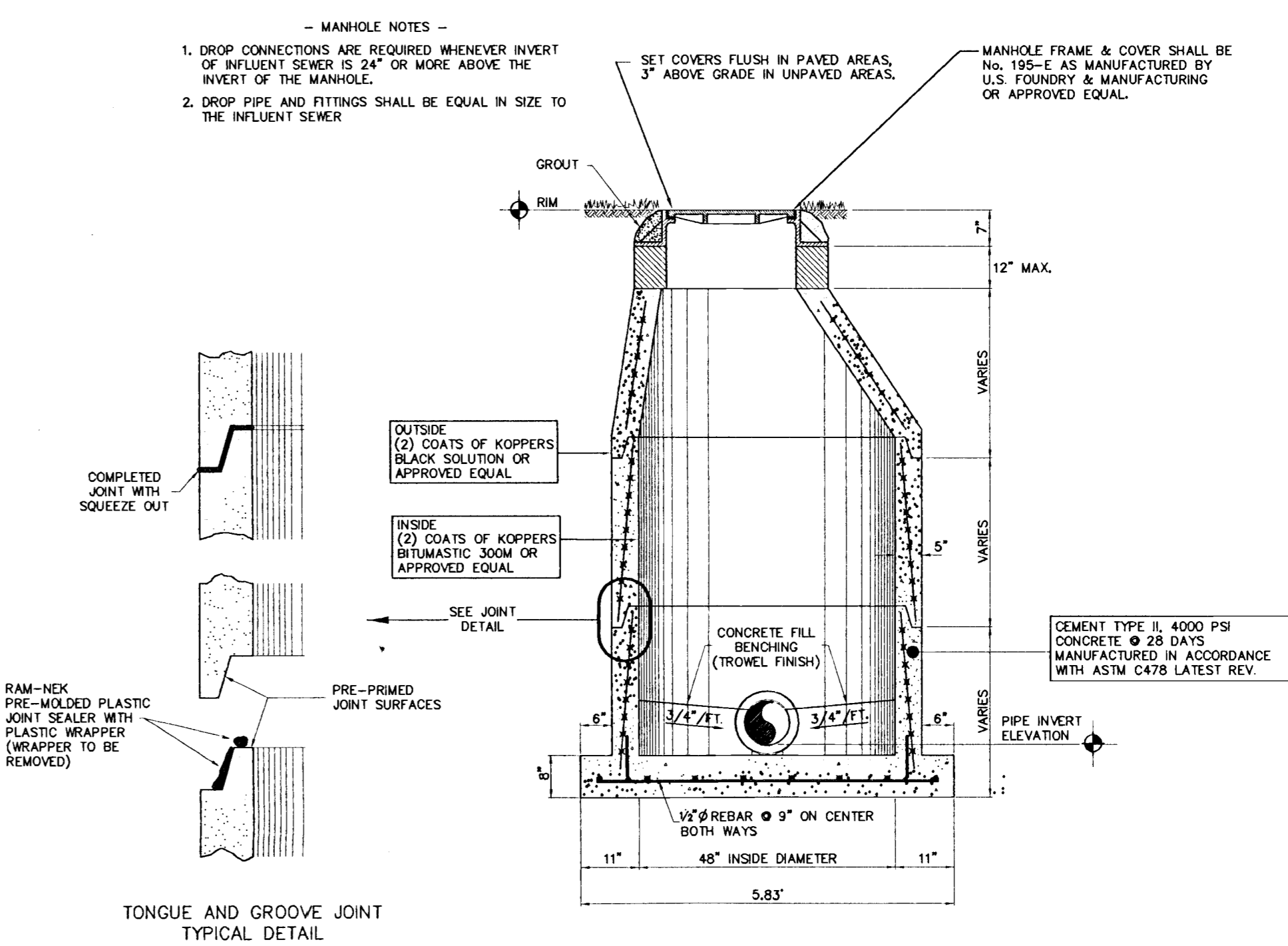
TYPICAL MANHOLE PLAN



PIPE CONNECTION TO PRECAST SANITARY MANHOLE

GENERAL REUSE AND EFFLUENT REUSE NOTES

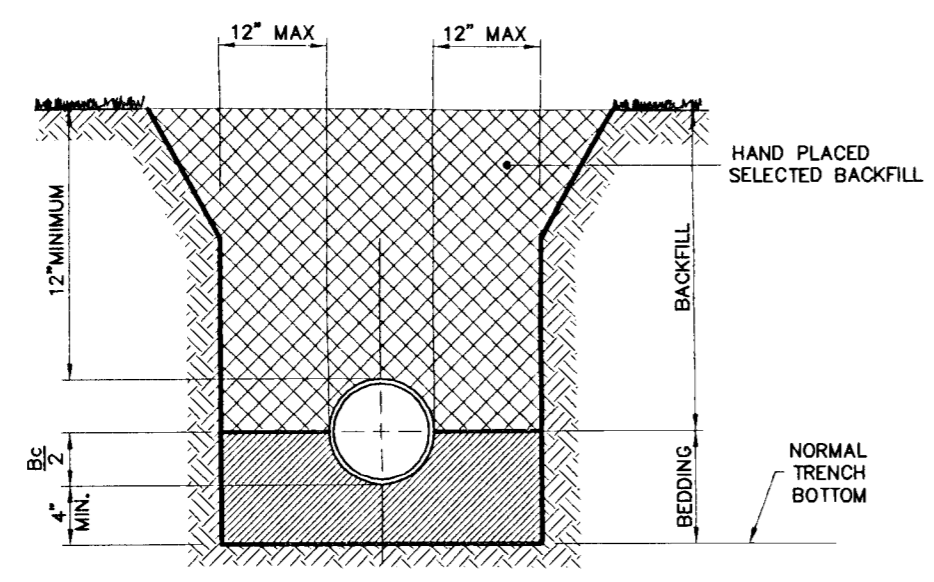
1. ALL REUSE AND EFFLUENT REUSE PIPING TO BE OWNED AND MAINTAINED BY THE CITY OF CLERMONT SHALL BE A SOLID PURPLE COLOR.
2. REUSE AND EFFLUENT REUSE MAINS SHALL BE PVC CONFORMING TO AWWA C-900, DR 18 FOR PIPE SIZES 4"-12". PIPES 14" & LARGER SHALL BE AWWA C-905, DR 25. ALL COUPLINGS, CLEANING COMPOUNDS, SOLVENTS, LUBRICANTS, AND PIPE PREPARATION, FOR LAYING, SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS LATEST RECOMMENDATIONS.
3. DEPTH OF REUSE AND EFFLUENT REUSE LINES TO BE 36" BELOW FINISHED GRADE.
4. REUSE AND EFFLUENT REUSE MAINS TO BE LOCATED 5' FROM BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. WHERE REUSE, EFFLUENT REUSE AND SEWER MAINS OR POTABLE WATER MAINS CROSS WITH LESS THAN 18" VERTICAL CLEARANCE, THE SEWER OR WATER MAIN WILL BE 20' OF DUCTILE IRON PIPE, CENTERED ON THE POINT OF CROSSING. WHEN A REUSE MAIN PARALLELS A SEWER OR WATER MAIN, A SEPARATION OF AT LEAST 5' (CENTER TO CENTER), OR 3' (OUTSIDE TO OUTSIDE) SHOULD BE MAINTAINED. IF SEPARATION CANNOT BE MAINTAINED, THE REUSE MAIN AND SEWER MAIN OR WATER MAIN SHALL BE DUCTILE IRON PIPE FOR THE PORTION OF THE REUSE MAIN LESS THAN THE REQUIRED SEPARATION FROM THE SEWER MAIN OR WATER MAIN, OR INSTALLATION OF THE REUSE MAIN IN A SEPARATE TRENCH, OR ON AN UNDISTURBED EARTH SHELF, AT LEAST 18" ABOVE THE CROWN OF THE SEWER MAIN OR WATER MAIN.
6. ALL REUSE AND EFFLUENT REUSE MAINS UNDER PAVEMENT SHALL BE DUCTILE IRON PIPE AND SHALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.
7. ALL IRRIGATION SLEEVING UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.



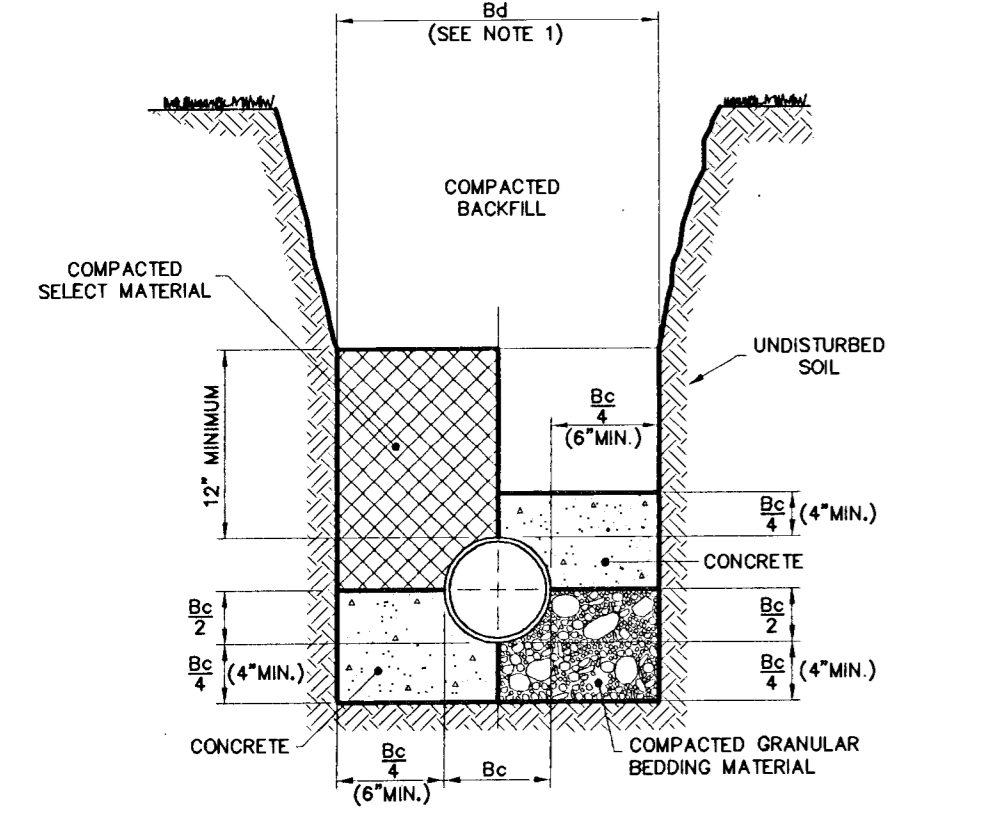
SANITARY PRECAST MANHOLE DETAIL

- ALTERNATE-PRECAST MANHOLE TOPS
 1. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATE.
 2. APPROVED FLAT SLAB TOP MAY BE USED AS AN ALTERNATE (6" MIN. THICKNESS).

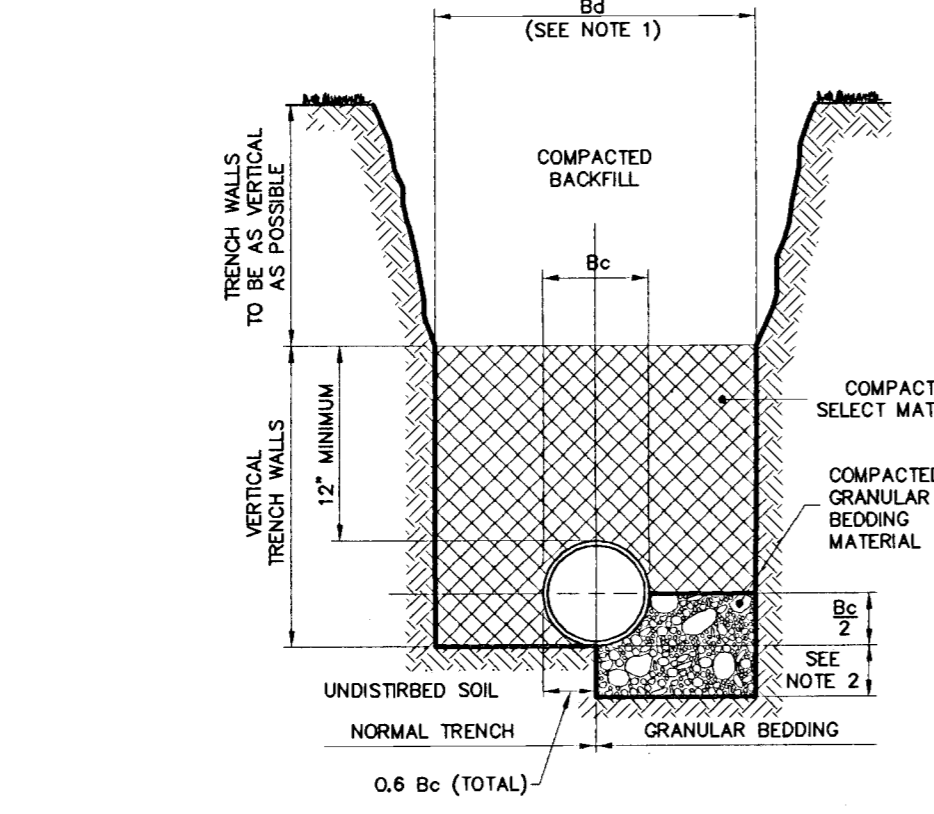
- NOTES: FOR BEDDING AND TRENCHING
 1. Dimension Bc = Pipe O.D.
 Dimension Bd = Trench Width at Top of Pipe
 Maximum Bd = Bc + 30"
 Minimum Bd = Maximum Dimension of Bell + 8" (Unsheeted Trench)
 2. Depth of removal for unsuitable material shall be as required to reach suitable foundation. For rock or other non-cushioning material, depth shall be 6" below bottom of utility.



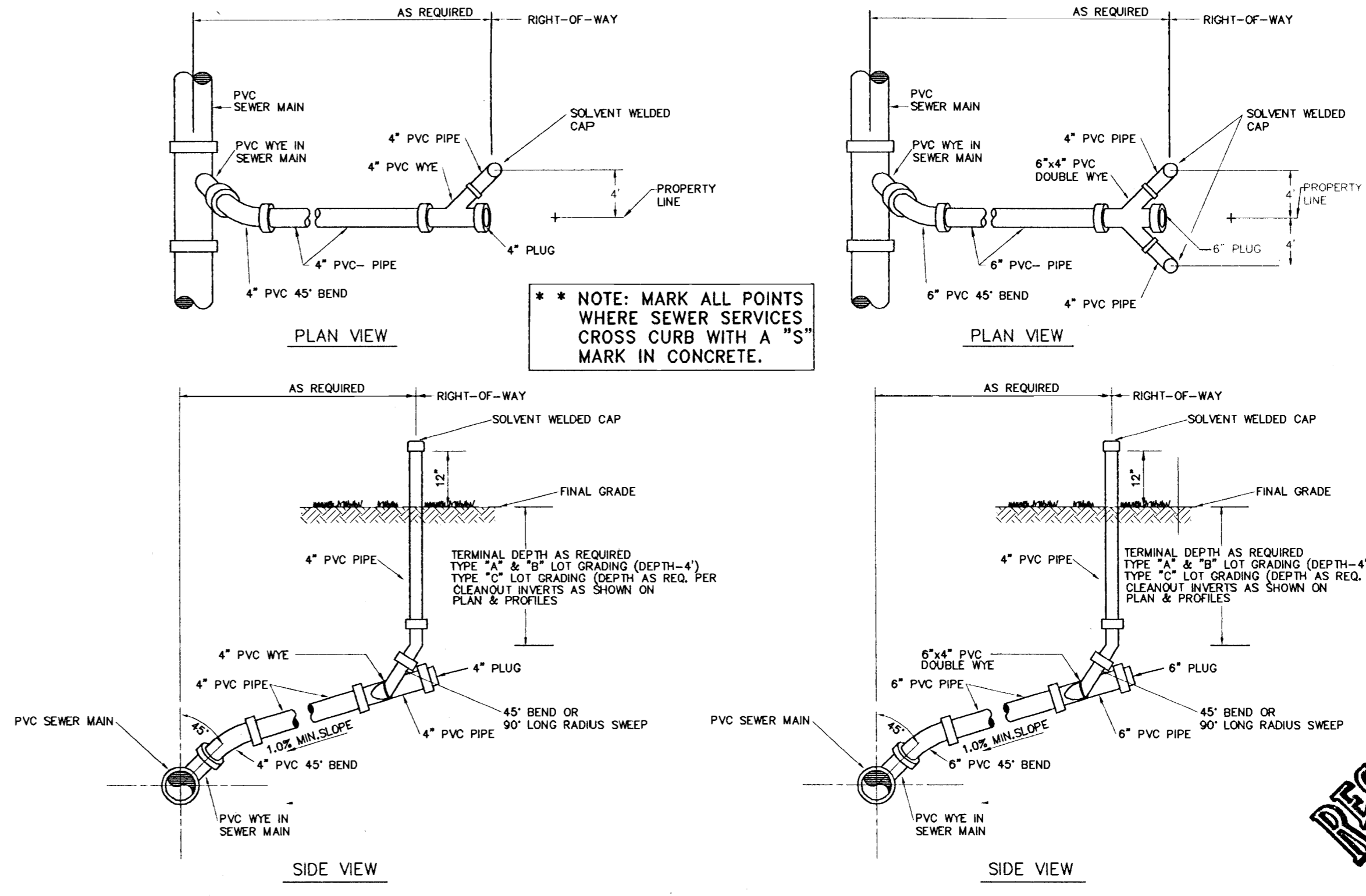
STANDARD BEDDING DETAIL FOR P.V.C. GRAVITY SEWER PIPE TYPICAL



CLASS "A" BEDDING SPECIAL CONDITIONS



CLASS "B" BEDDING NORMAL CONDITIONS



SANITARY SEWER SERVICE PVC SINGLE SERVICE

SANITARY SEWER SERVICE PVC DOUBLE SERVICE

ENGINEERS
 SURVEYORS
 PLANNERS

FARNEY BARLEY AND ASSOCIATES, INC.

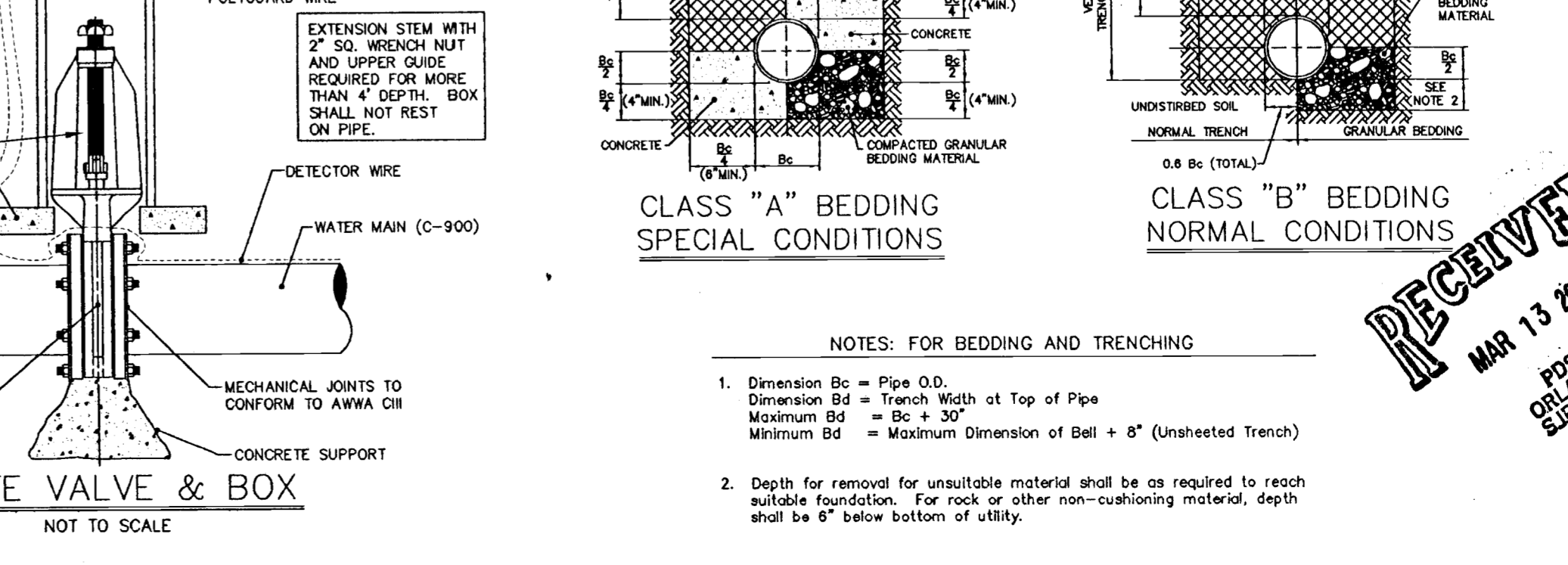
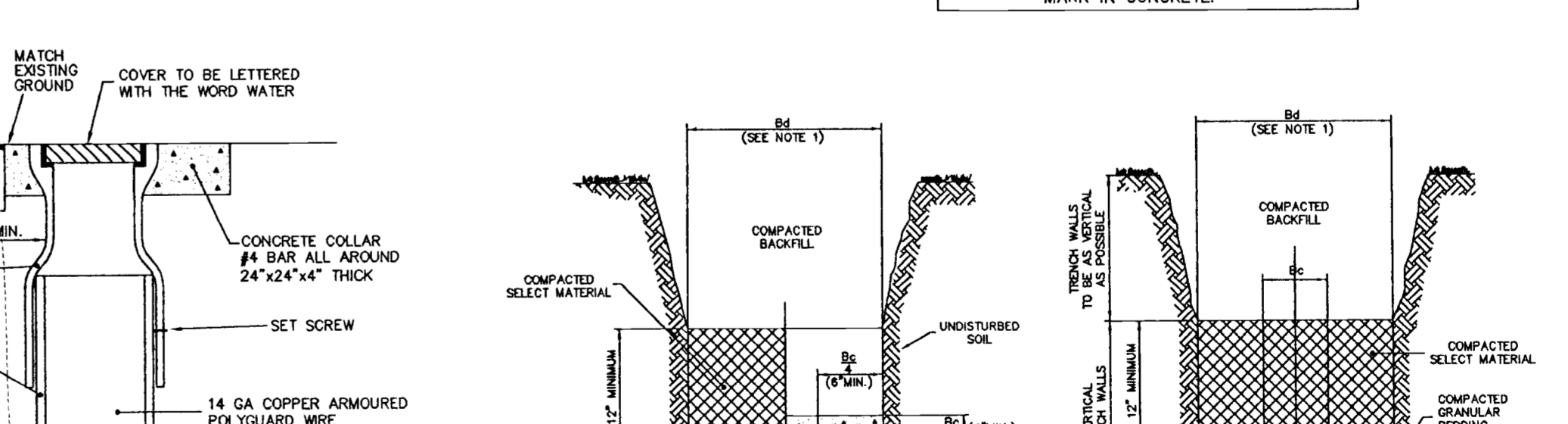
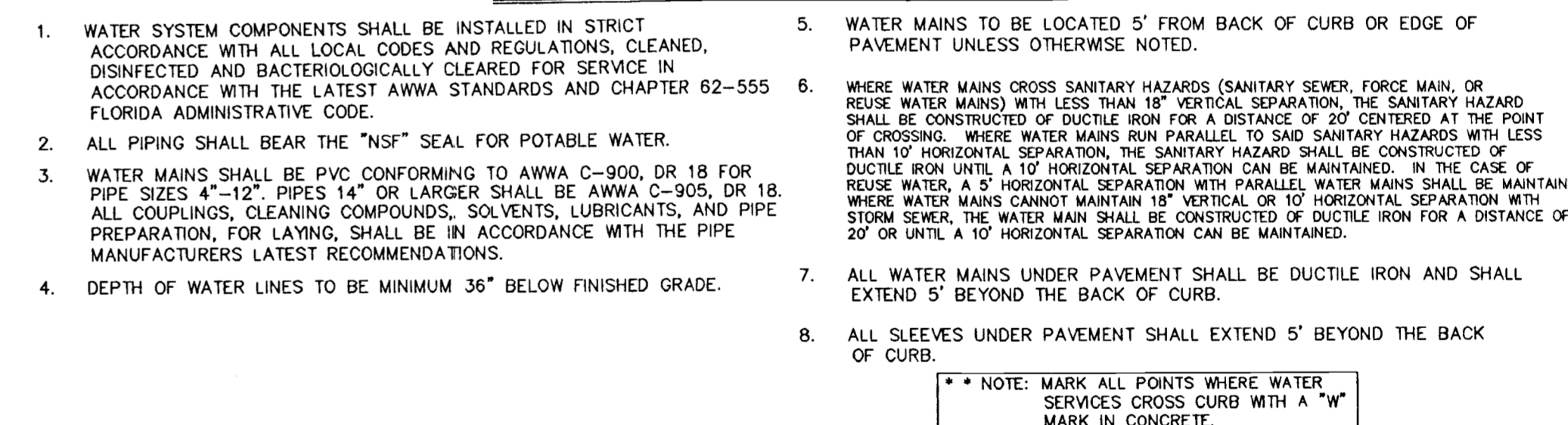
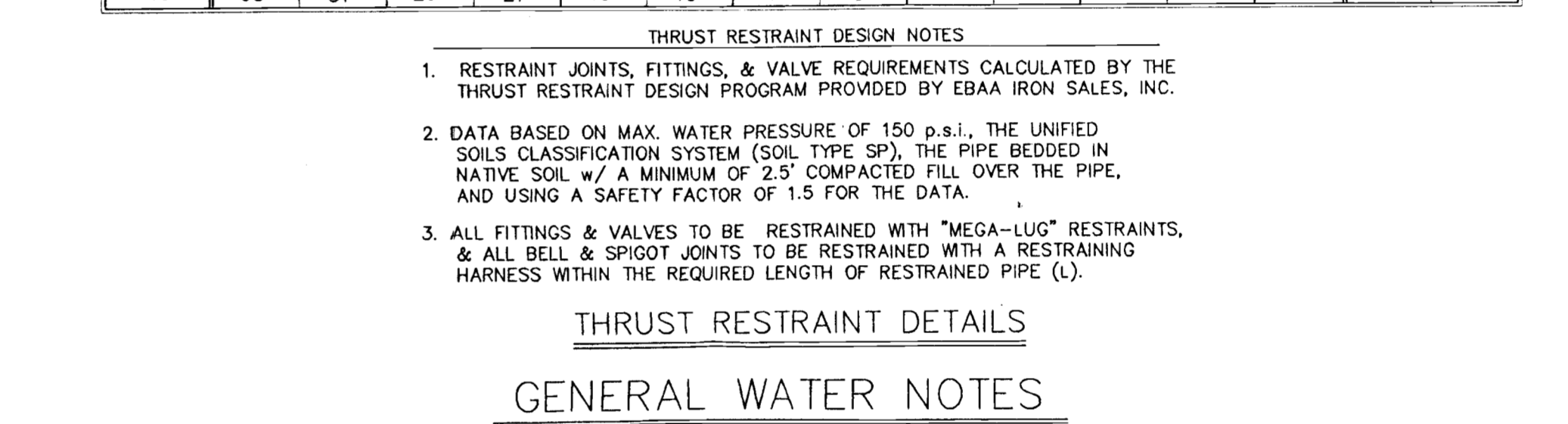
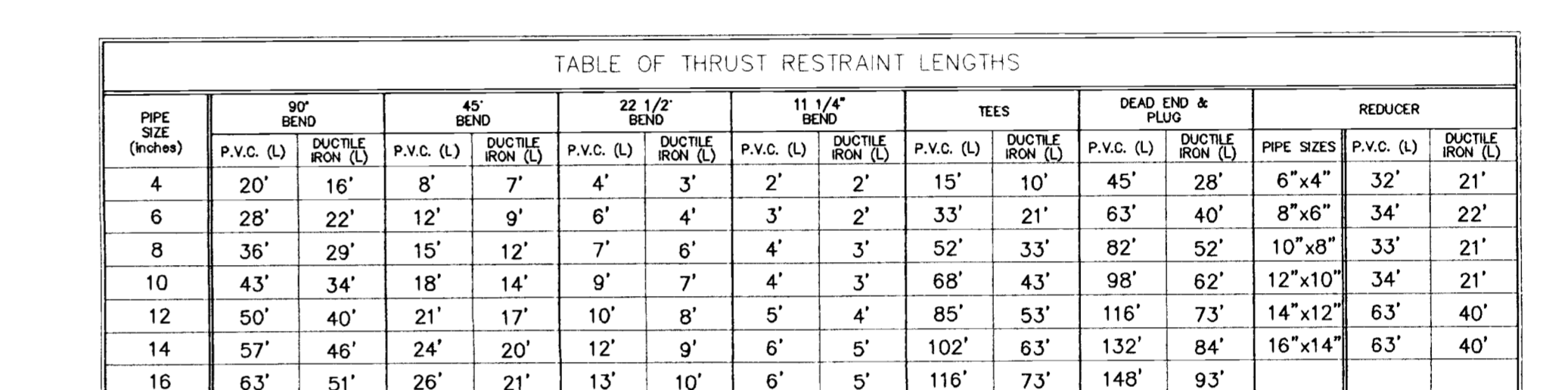
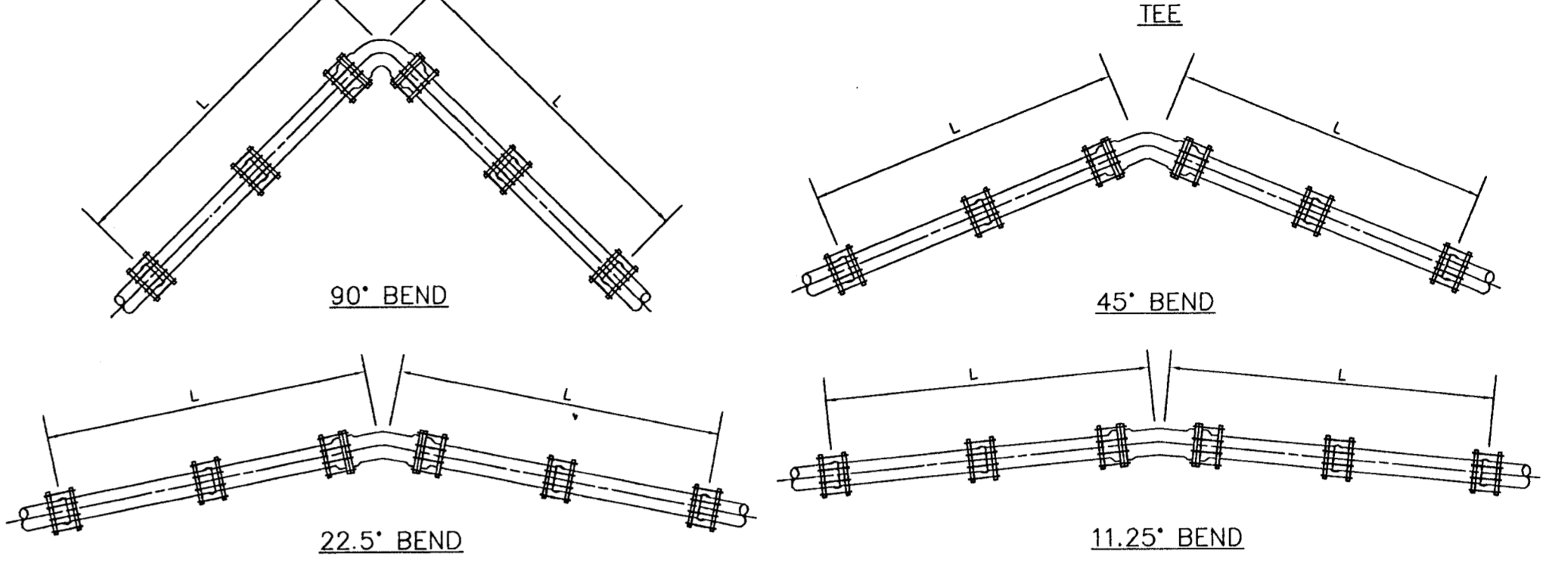
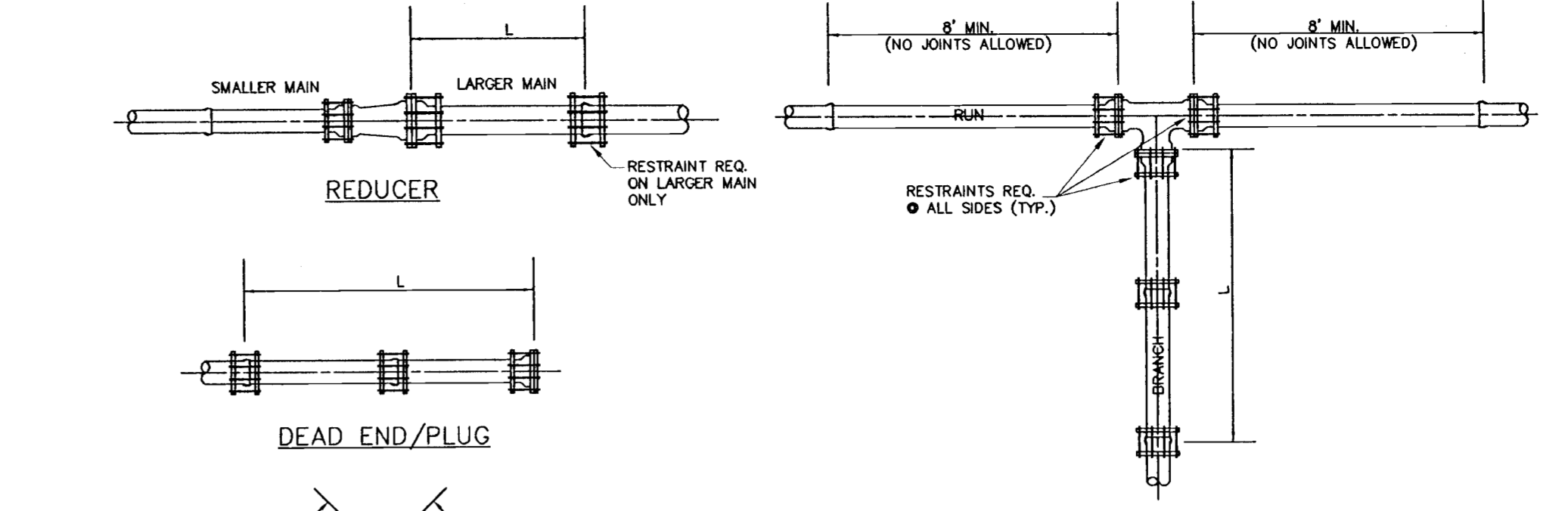
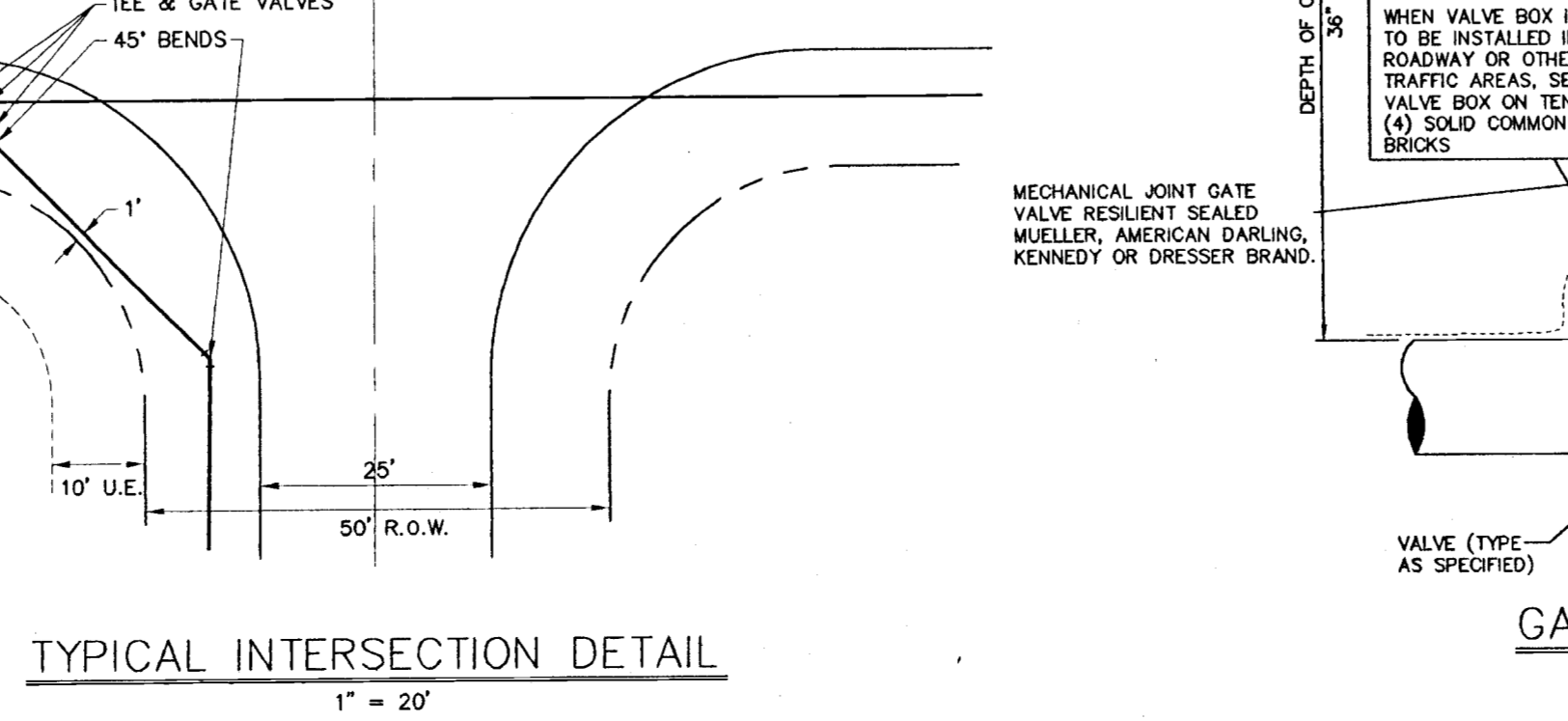
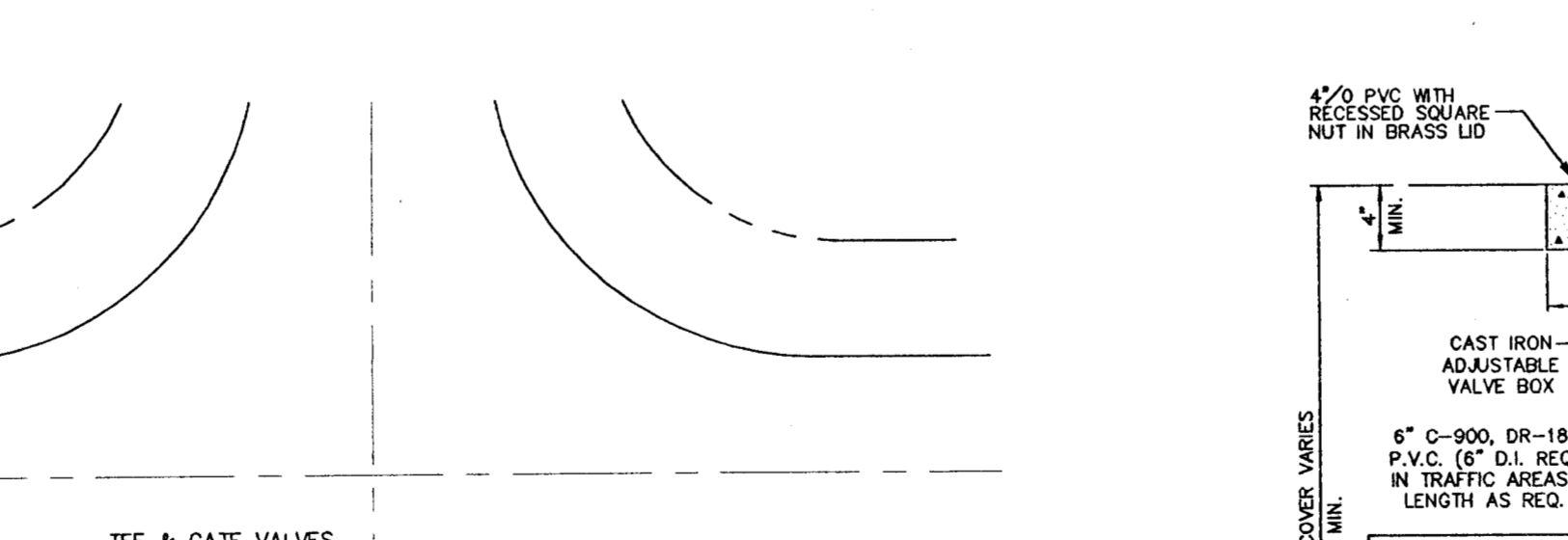
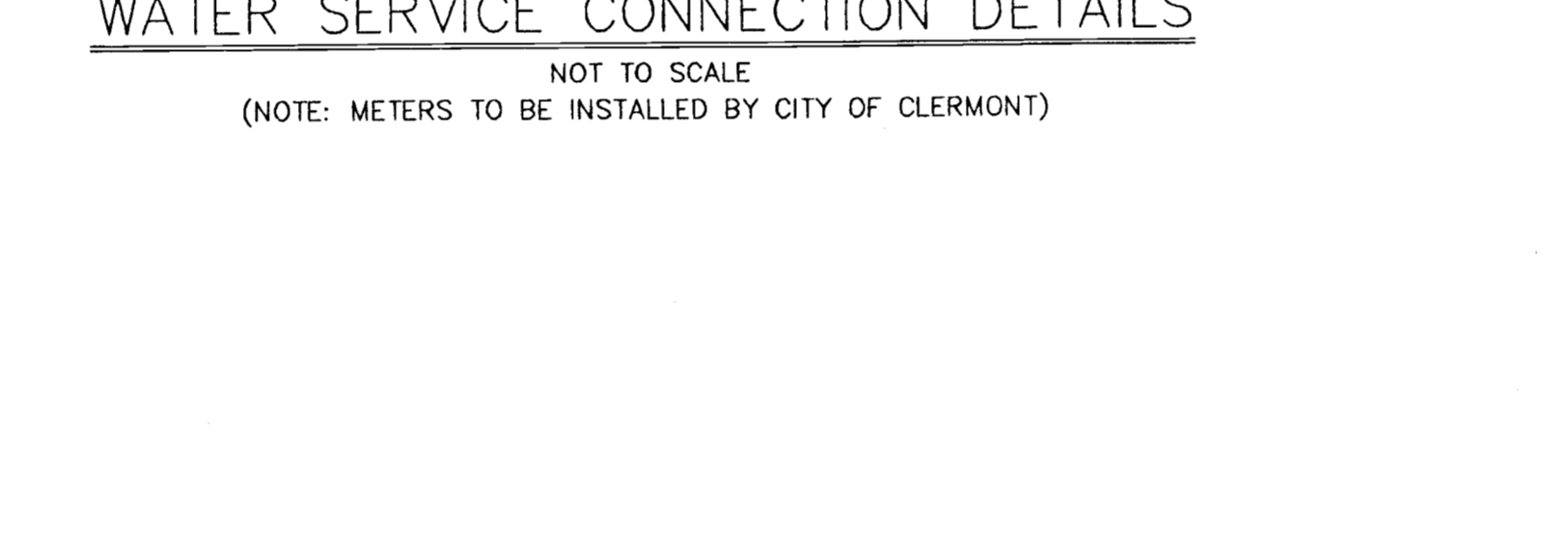
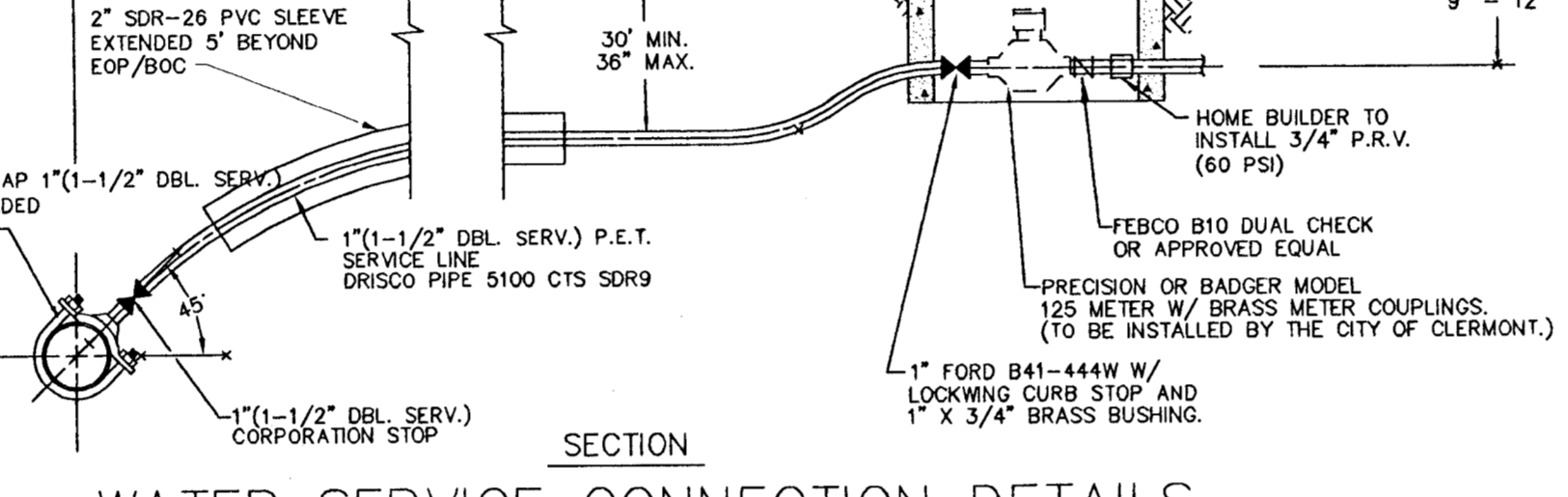
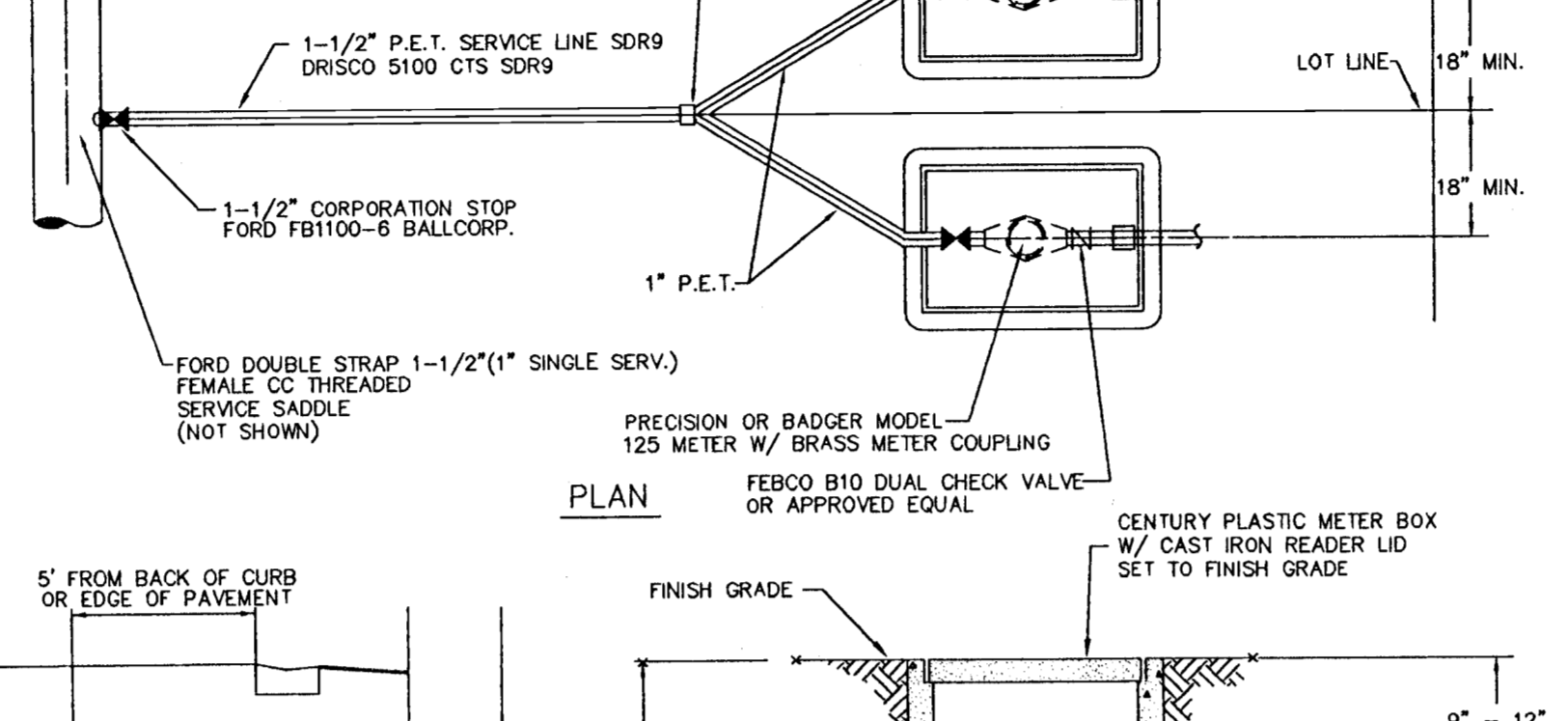
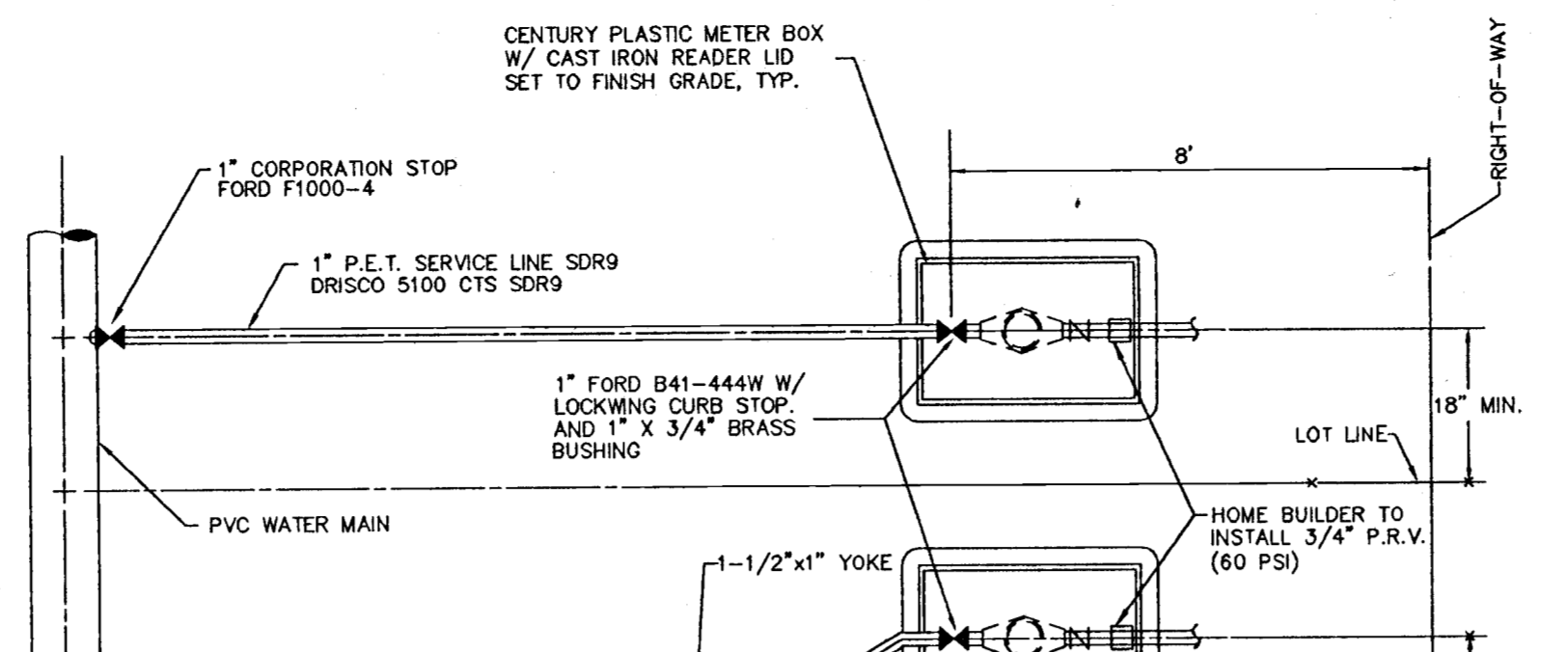
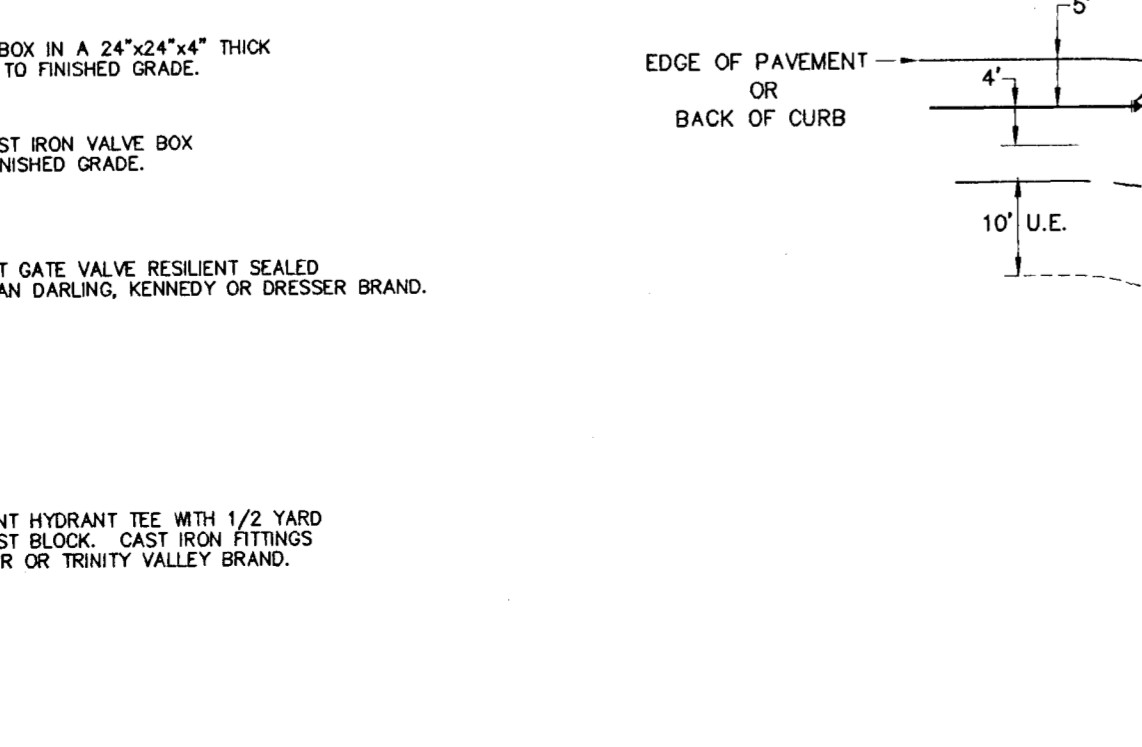
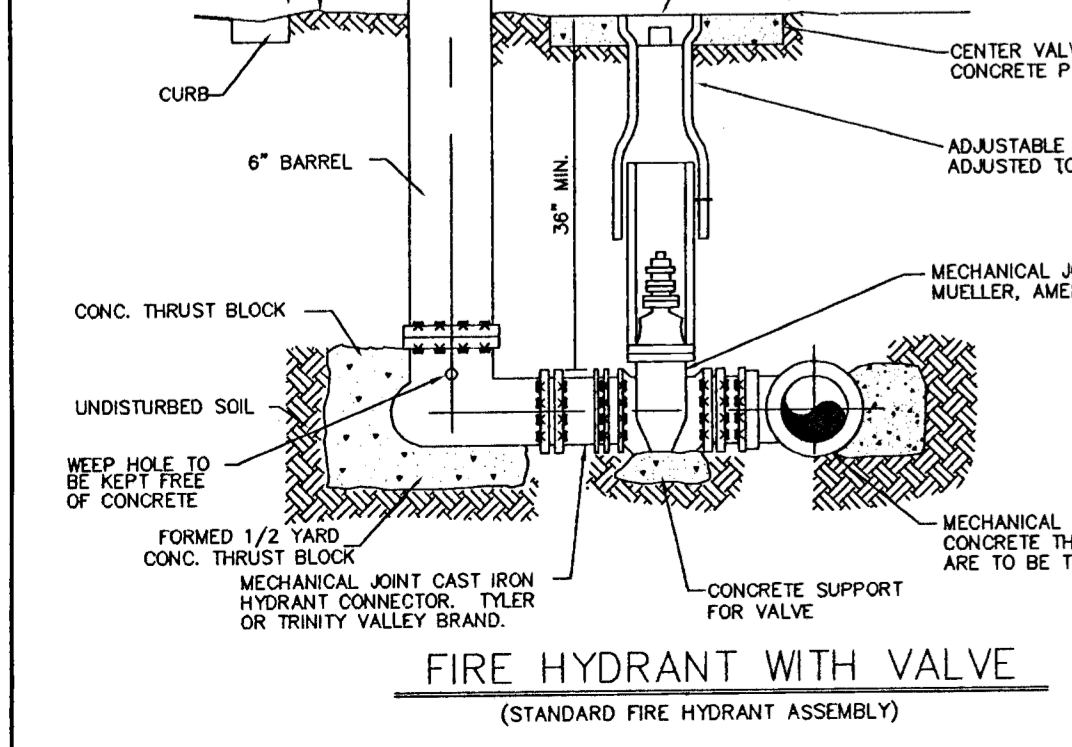
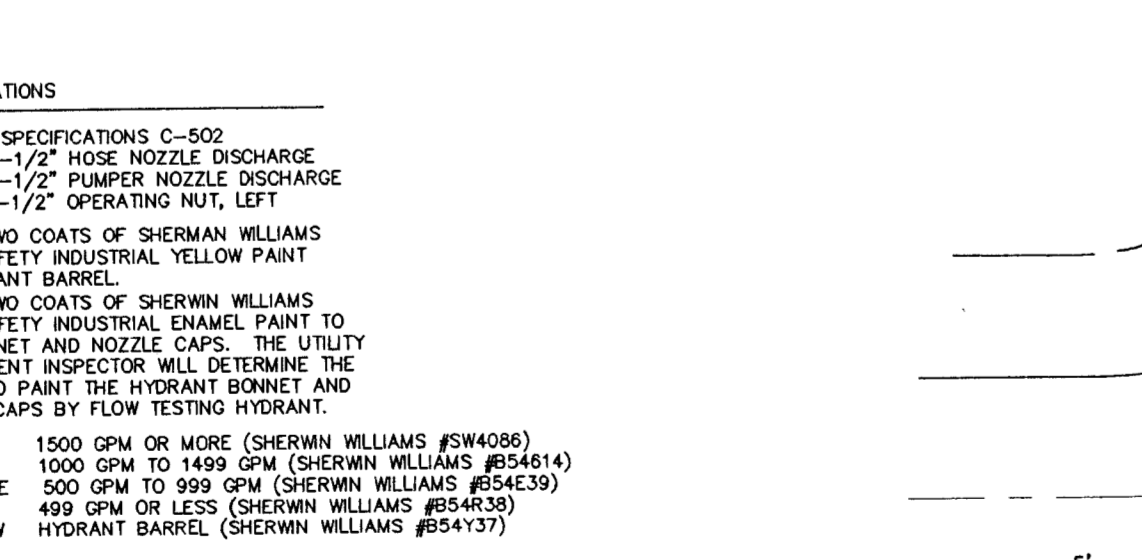
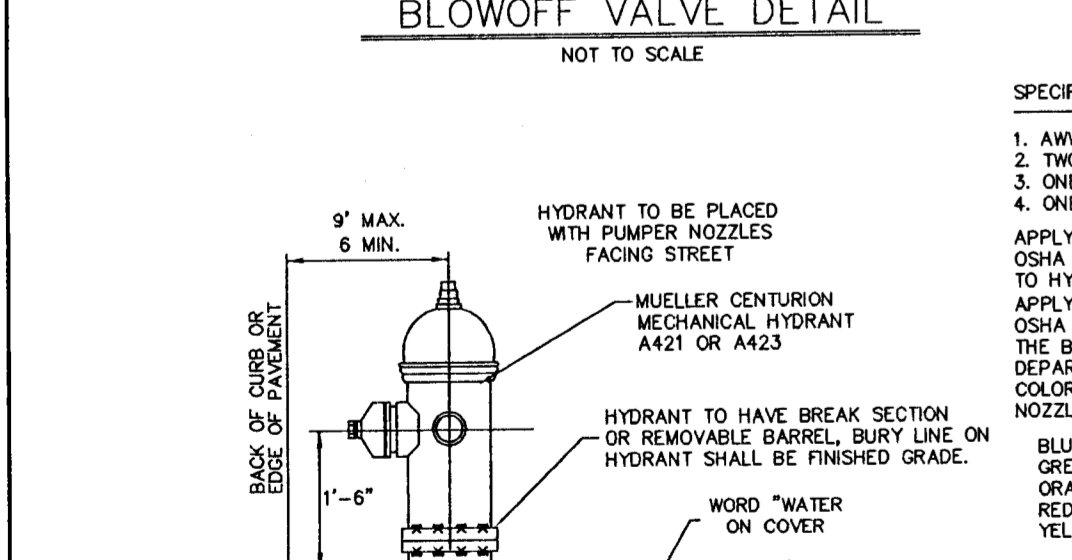
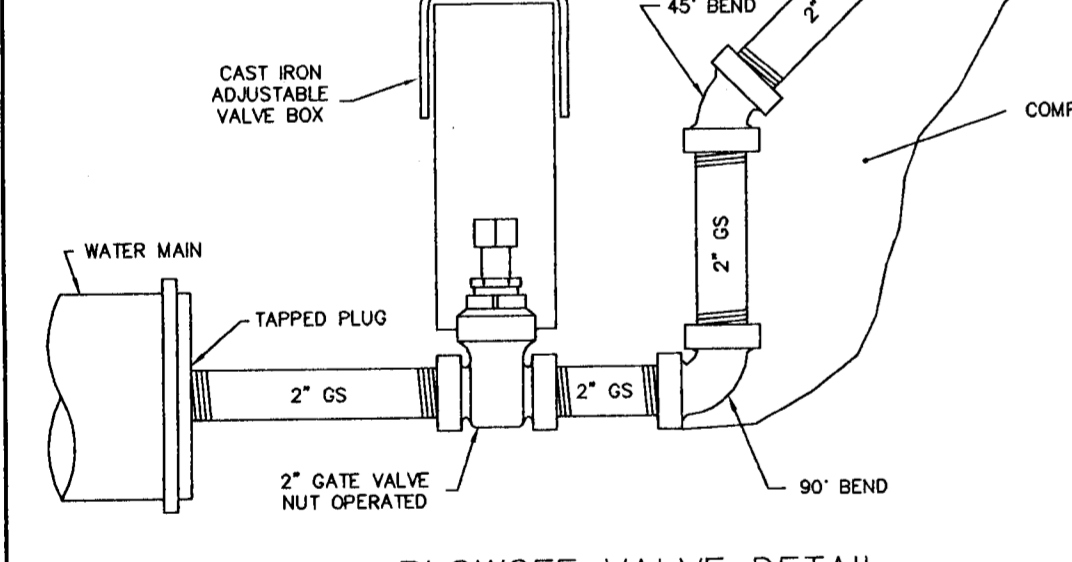
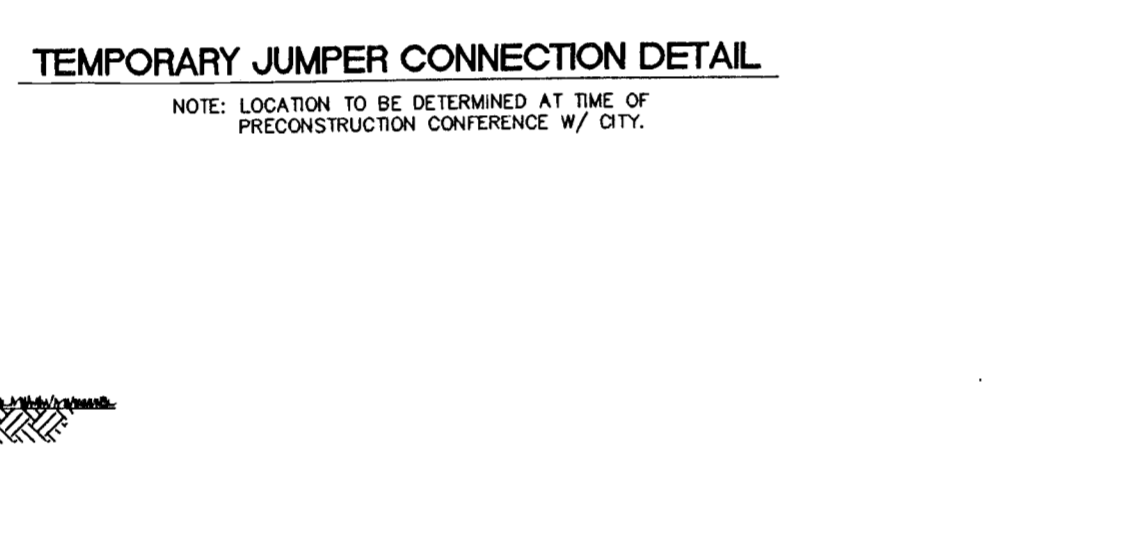
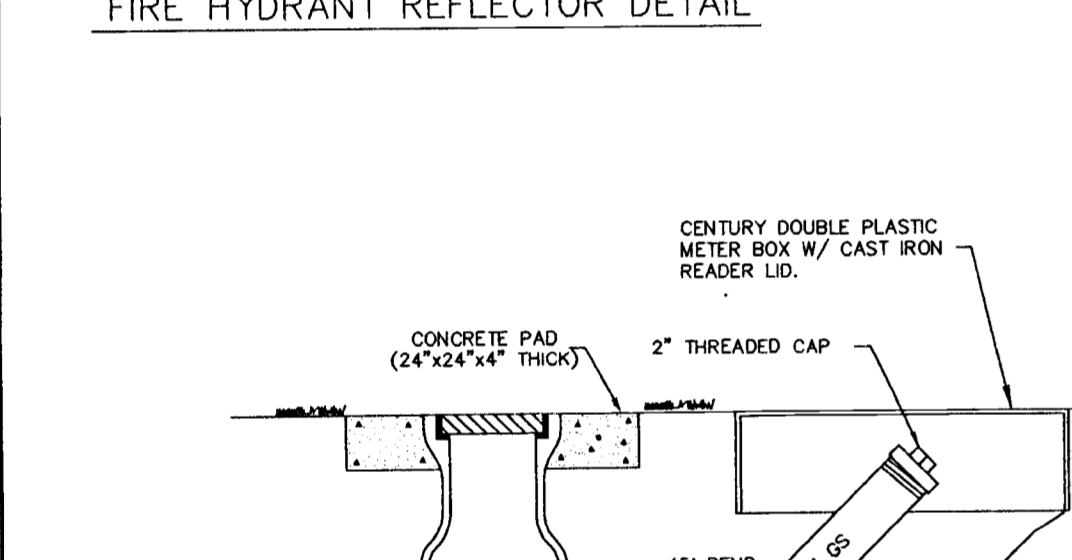
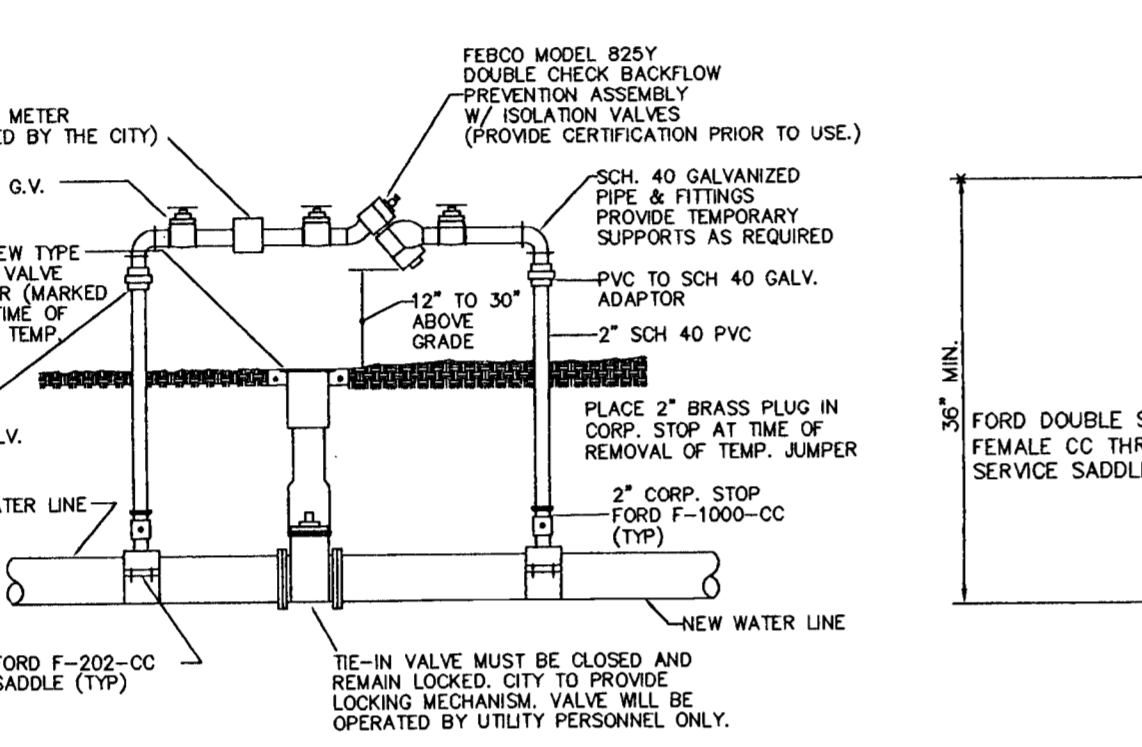
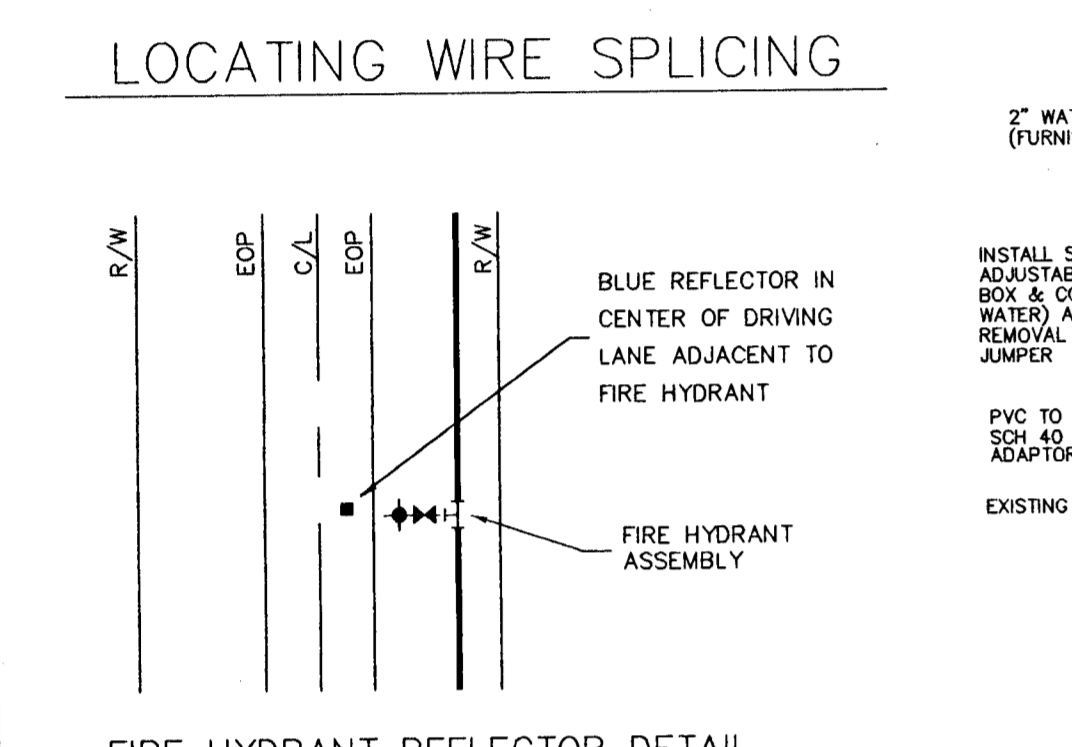
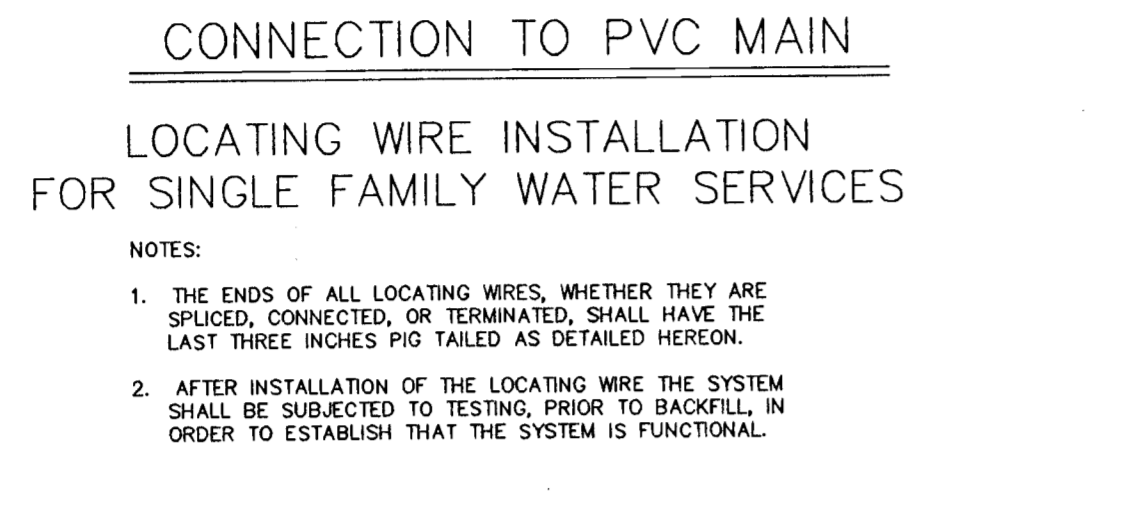
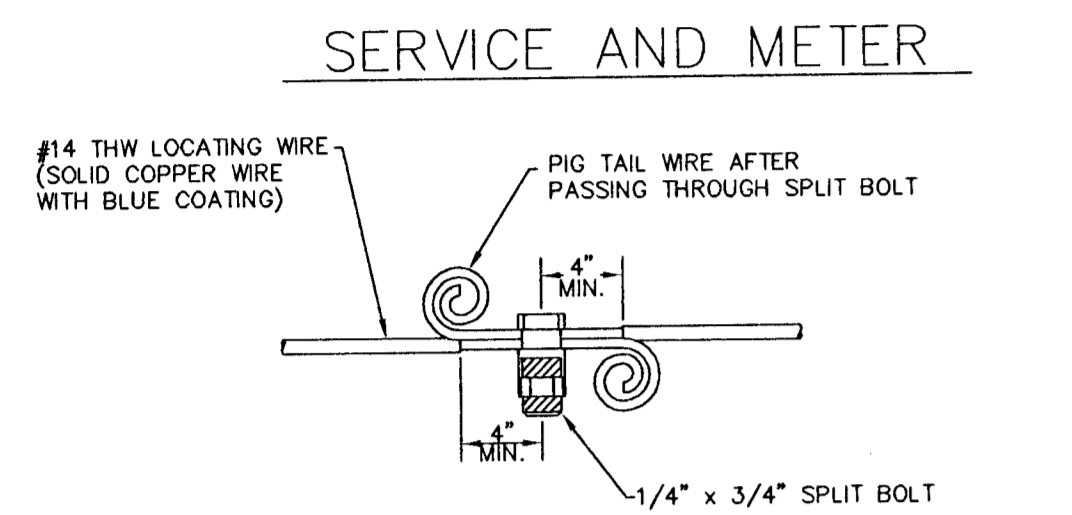
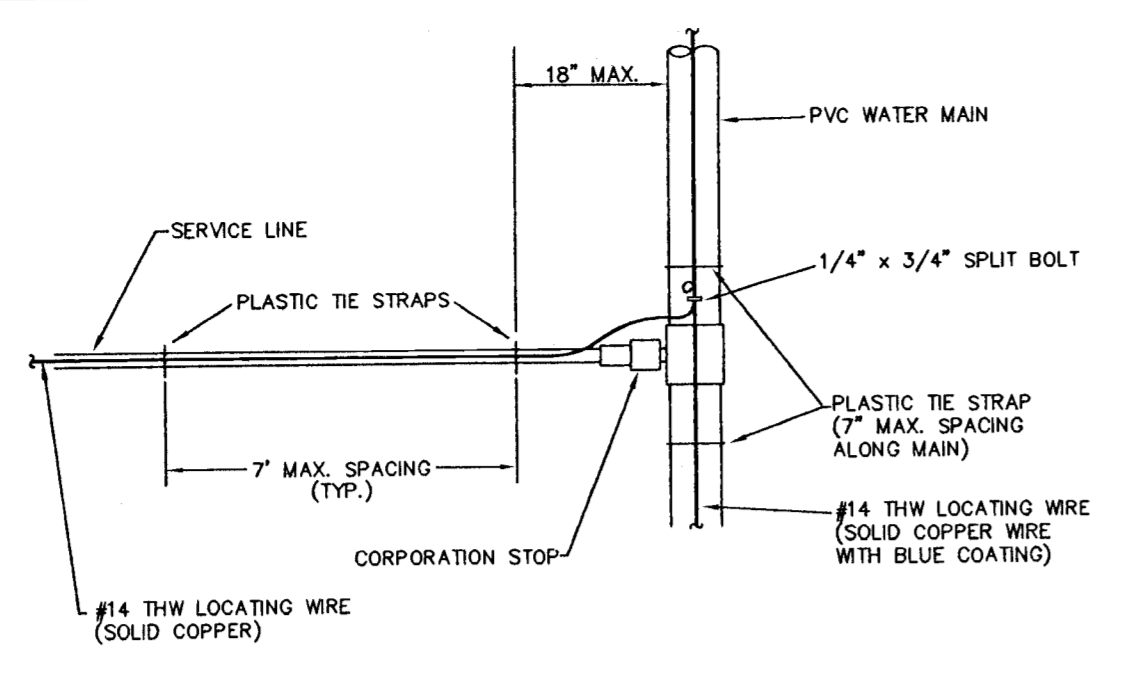
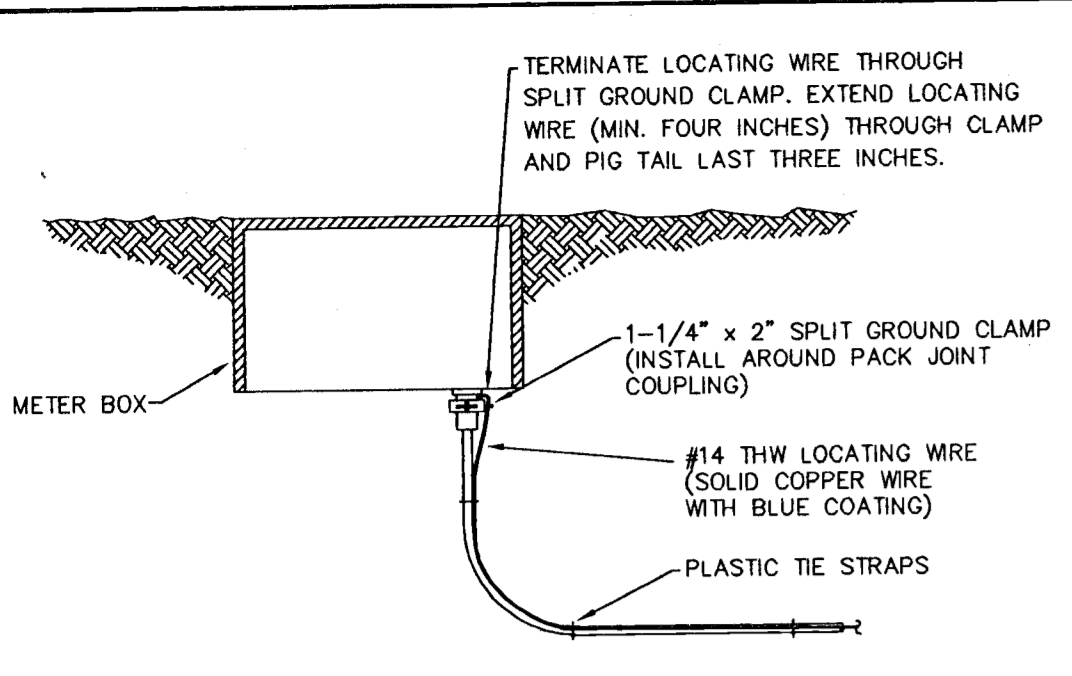
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SANITARY SEWER DETAILS KINGS RIDGE NORTH PHASE I

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 PROJECT NO.: 941216.091
 DATE: FEB. 2000
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 AIR MAIL

MAR 1 0 2000



SERVICE AND METER

CONNECTION TO PVC MAIN

LOCATING WIRE SPLICING

LOCATING WIRE INSTALLATION FOR SINGLE FAMILY WATER SERVICES

NOTES:
 1. THE ENDS OF ALL LOCATING WIRES, WHETHER THEY ARE SPliced, CONNECTED, OR TERMINATED, SHALL HAVE THE LAST THREE INCHES PIG TAILED AS DETAILED HEREON.
 2. AFTER INSTALLATION OF THE LOCATING WIRE THE SYSTEM SHALL BE SUBJECTED TO TESTING, PRIOR TO BACKFILL, IN ORDER TO ESTABLISH THAT THE SYSTEM IS FUNCTIONAL.

PLAN

SECTION

WATER SERVICE CONNECTION DETAILS

NOT TO SCALE
 (NOTE: METERS TO BE INSTALLED BY CITY OF CLERMONT)

REDUCER

DEAD END/PLUG

90° BEND

45° BEND

22.5° BEND

11.25° BEND

PIPE SIZE (Inches)	90° BEND		45° BEND		22.5° BEND		11.25° BEND		TEES		DEAD END & PLUG		REDUCER		
	P.V.C. (L)	DUCTILE IRON (L)	P.V.C. (L)	DUCTILE IRON (L)	P.V.C. (L)	DUCTILE IRON (L)	P.V.C. (L)	DUCTILE IRON (L)	P.V.C. (L)	DUCTILE IRON (L)	P.V.C. (L)	DUCTILE IRON (L)	PIPE SIZES	P.V.C. (L)	DUCTILE IRON (L)
4	20'	16'	8'	7'	4'	3'	2'	2'	15'	10'	45'	28'	6"x4"	32'	21'
6	28'	22'	12'	9'	6'	4'	3'	2'	33'	21'	63'	40'	8"x8"	34'	22'
8	36'	29'	15'	12'	7'	6'	4'	3'	52'	33'	82'	52'	10"x8"	33'	21'
10	43'	34'	18'	14'	9'	7'	4'	3'	68'	43'	98'	62'	12"x10"	34'	21'
12	50'	40'	21'	17'	10'	8'	5'	4'	85'	53'	116'	73'	14"x12"	63'	40'
14	57'	46'	24'	20'	12'	9'	6'	5'	102'	63'	132'	84'	16"x14"	63'	40'
16	63'	51'	26'	21'	13'	10'	6'	5'	116'	73'	148'	93'			

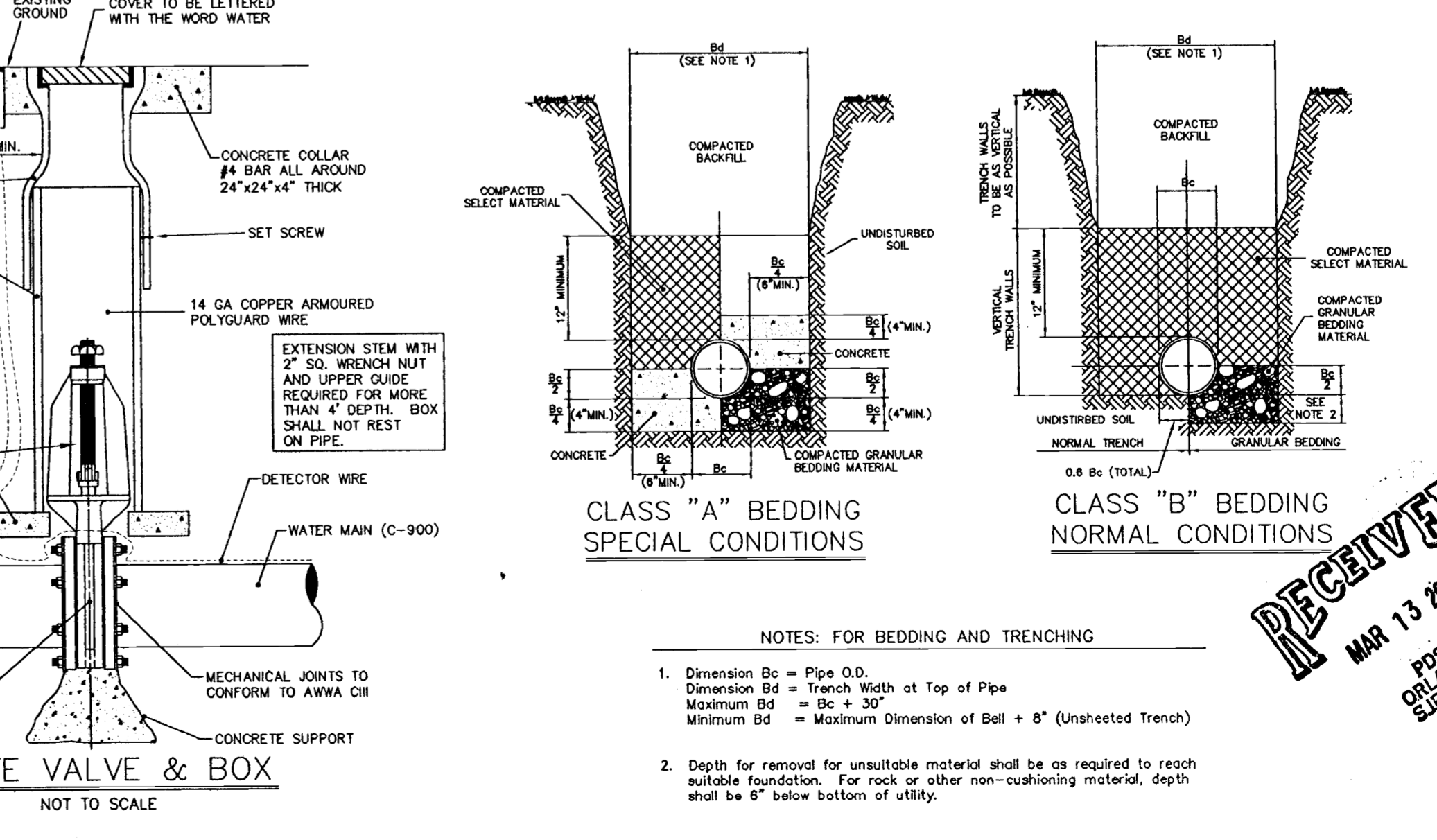
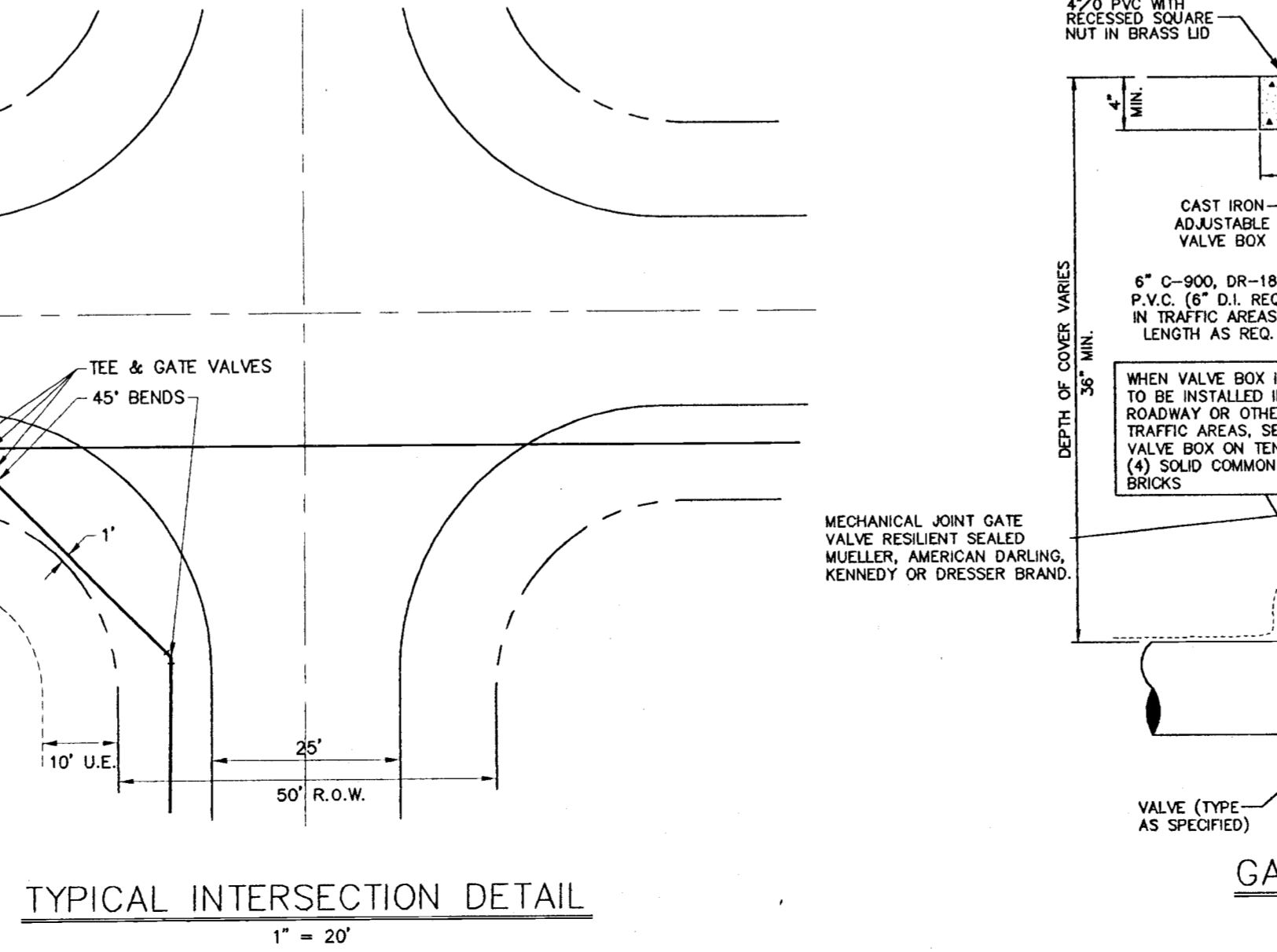
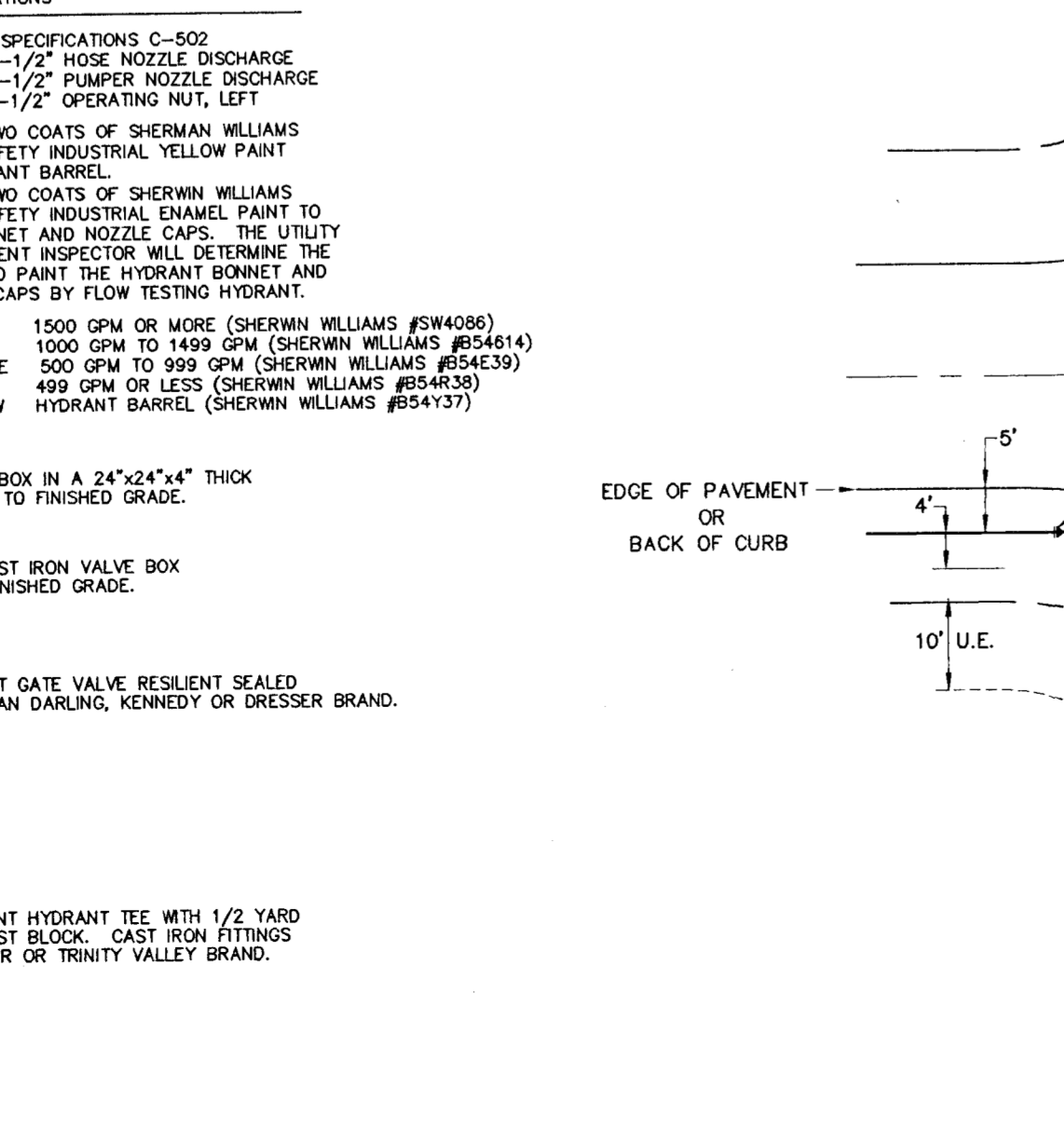
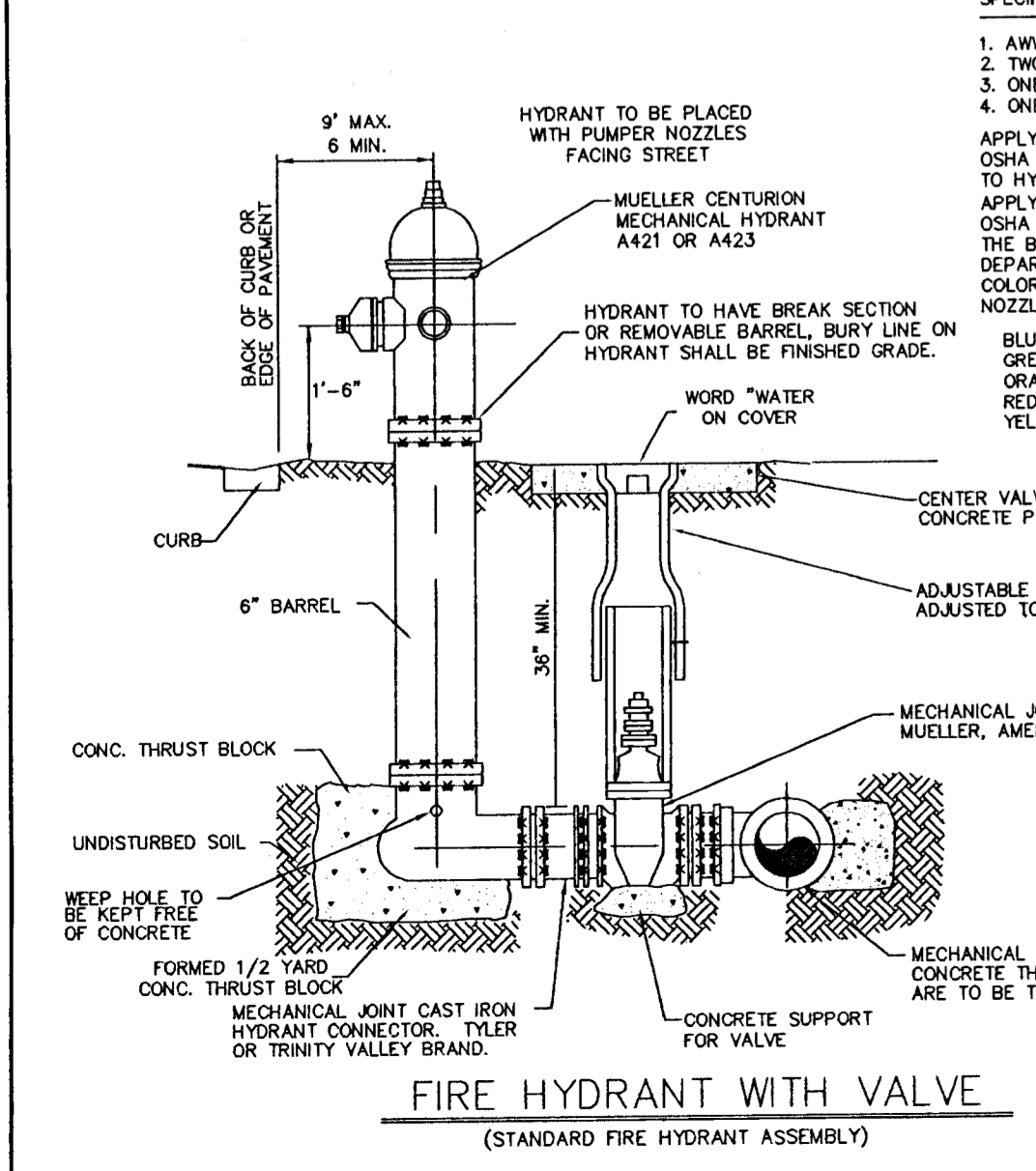
THRUST RESTRAINT DESIGN NOTES
 1. RESTRAINT JOINTS, FITTINGS, & VALVE REQUIREMENTS CALCULATED BY THE THRUST RESTRAINT DESIGN PROGRAM PROVIDED BY EBAA IRON SALES, INC.
 2. DATA BASED ON MAX. WATER PRESSURE OF 150 p.s.i., THE UNIFIED SOILS CLASSIFICATION SYSTEM (SOIL TYPE SP), THE PIPE BEDDED IN NATIVE SOIL w/ A MINIMUM OF 2.5' COMPACTED FILL OVER THE PIPE, AND USING A SAFETY FACTOR OF 1.5 FOR THE DATA.
 3. ALL FITTINGS & VALVES TO BE RESTRAINED WITH "MEGA-LUG" RESTRAINTS, & ALL BELL & SPIGOT JOINTS TO BE RESTRAINED WITH A RESTRAINING HARNESS WITHIN THE REQUIRED LENGTH OF RESTRAINED PIPE (L).

THRUST RESTRAINT DETAILS

GENERAL WATER NOTES

- WATER SYSTEM COMPONENTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS, CLEANED, DISINFECTED AND BACTERIOLOGICALLY CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND CHAPTER 62-555 FLORIDA ADMINISTRATIVE CODE.
- ALL PIPING SHALL BEAR THE "NSF" SEAL FOR POTABLE WATER.
- WATER MAINS SHALL BE PVC CONFORMING TO AWWA C-900, DR 18 FOR PIPE SIZES 4"-12", PIPES 14" OR LARGER SHALL BE AWWA C-905, DR 18. ALL COUPLINGS, CLEANING COMPOUNDS, SOLVENTS, LUBRICANTS, AND PIPE PREPARATION, FOR LAYING, SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS LATEST RECOMMENDATIONS.
- DEPTH OF WATER LINES TO BE MINIMUM 36" BELOW FINISHED GRADE.
- WATER MAINS TO BE LOCATED 5' FROM BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE WATER MAINS CROSS SANITARY HAZARDS (SANITARY SEWER, FORCE MAIN, OR REUSE WATER MAINS) WITH LESS THAN 18" VERTICAL SEPARATION, THE SANITARY HAZARD SHALL BE CONSTRUCTED OF DUCTILE IRON FOR A DISTANCE OF 20' CENTERED AT THE POINT OF CROSSING. WHERE WATER MAINS RUN PARALLEL TO SAID SANITARY HAZARDS WITH LESS THAN 12" HORIZONTAL SEPARATION, THE SANITARY HAZARD SHALL BE CONSTRUCTED OF DUCTILE IRON UNTIL A 10' HORIZONTAL SEPARATION CAN BE MAINTAINED. IN THE CASE OF REUSE WATER, A 5' HORIZONTAL SEPARATION WITH PARALLEL WATER MAINS SHALL BE MAINTAINED. WHERE WATER MAINS CANNOT MAINTAIN 18" VERTICAL OR 10' HORIZONTAL SEPARATION WITH SLOW SEWER, THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON FOR A DISTANCE OF 20' OR UNTIL A 10' HORIZONTAL SEPARATION CAN BE MAINTAINED.
- ALL WATER MAINS UNDER PAVEMENT SHALL BE DUCTILE IRON AND SHALL EXTEND 5' BEYOND THE BACK OF CURB.
- ALL SLEEVES UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE BACK OF CURB.

* NOTE: MARK ALL POINTS WHERE WATER SERVICES CROSS CURB WITH A "W" MARK IN CONCRETE.



FIRE HYDRANT WITH VALVE

TYPICAL INTERSECTION DETAIL

GATE VALVE & BOX

CLASS "A" BEDDING SPECIAL CONDITIONS

NOTES:
 1. Dimension Bc = Pipe O.D.
 Dimension Bd = Trench Width at Top of Pipe
 Maximum Bd = Bc + 30"
 Minimum Bd = Maximum Dimension of Ball + 8" (Unsheathed Trench)
 2. Depth of removal for unsuitable material shall be as required to reach suitable foundation. For rock or other non-cushioning material, depth shall be 8" below bottom of utility.

NOTES:
 1. AWWA SPECIFICATIONS C-502
 2. TWO 2-1/2" HOSE NOZZLE DISCHARGE
 3. ONE 4-1/2" OPERATING NUT, LEFT
 4. ONE 1-1/2" OPERATING NUT, LEFT
 APPLY TWO COATS OF SHERWIN WILLIAMS OSHA SAFETY INDUSTRIAL YELLOW PAINT TO HYDRANT BARREL.
 APPLY TWO COATS OF SHERWIN WILLIAMS OSHA SAFETY INDUSTRIAL ENAMEL PAINT TO THE BONNET AND NOZZLE CAPS. THE UTILITY DEPARTMENT INSPECTOR WILL DETERMINE THE COLOR TO PAINT THE HYDRANT BONNET AND NOZZLE CAPS BY FLOW TESTING HYDRANT.
 BLUE 1500 GPM OR MORE (SHERWIN WILLIAMS #5W4086)
 GREEN 1000 GPM TO 1499 GPM (SHERWIN WILLIAMS #5W4614)
 ORANGE 500 GPM TO 999 GPM (SHERWIN WILLIAMS #5W4639)
 RED 499 GPM OR LESS (SHERWIN WILLIAMS #5W4638)
 YELLOW HYDRANT BARREL (SHERWIN WILLIAMS #5W4137)

NOTES:
 WHEN VALVE BOX IS TO BE INSTALLED IN ROADWAY OR OTHER TRAFFIC AREAS, SET VALVE BOX ON TEN (10) SOLID COMMON BRICKS.
 MECHANICAL JOINT GATE VALVE RESILIENT SEALED MUELLER, AMERICAN DARLING, KENNEDY OR DRESSER BRAND.

NOTES: FOR BEDDING AND TRENCHING
 1. Dimension Bc = Pipe O.D.
 Dimension Bd = Trench Width at Top of Pipe
 Maximum Bd = Bc + 30"
 Minimum Bd = Maximum Dimension of Ball + 8" (Unsheathed Trench)
 2. Depth of removal for unsuitable material shall be as required to reach suitable foundation. For rock or other non-cushioning material, depth shall be 8" below bottom of utility.

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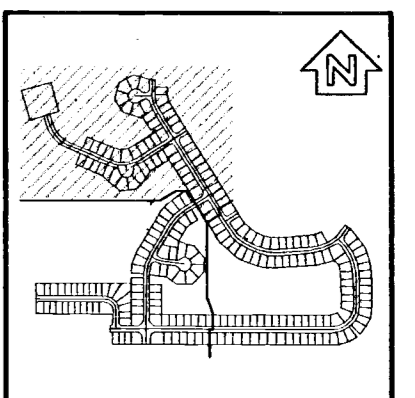
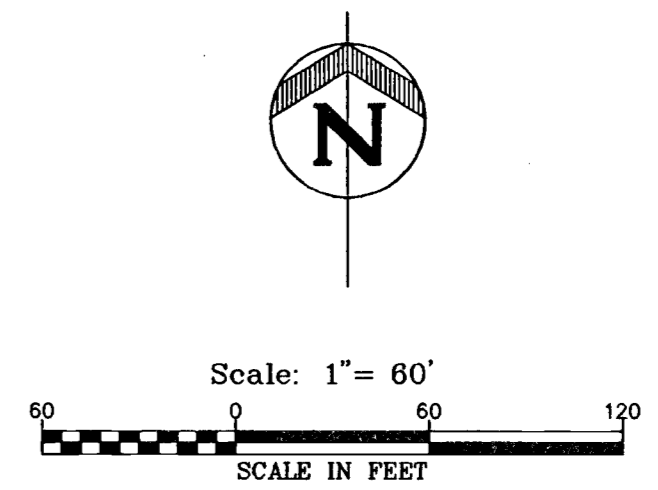
350 North Sinclair Avenue
 Ocala, Florida 32778
 (352) 343-8481

**KINGS RIDGE NORTH
 PHASE I
 WATER DISTRIBUTION
 DETAILS**

CHECKED BY: _____
 PROJECT NO.: 941216.091
 DATE: FEB. 2000
 DRAWN BY: JWM
Sht. 18
 FILE NAME: _____

RECEIVED
 MAR 13 2000
 PLS
 ORN
 FOR
 INFO

MAR 10 2000



1	2	3	4	5	6	7	8

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**MASTER GRADING PLAN
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JHM

Sht. **19**

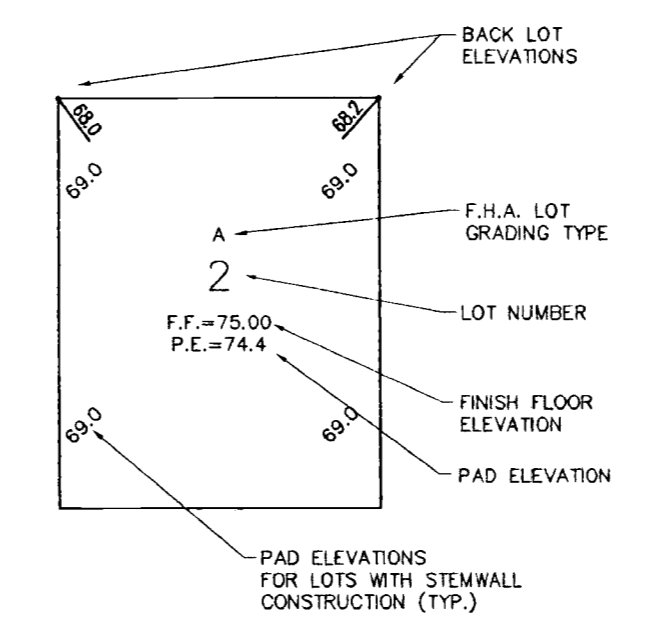
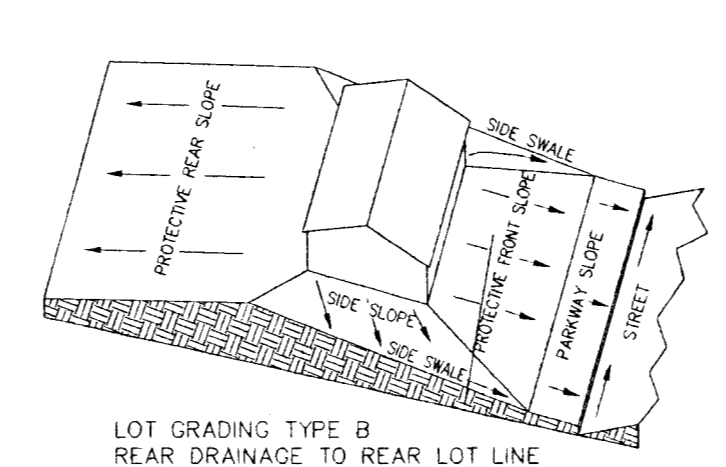
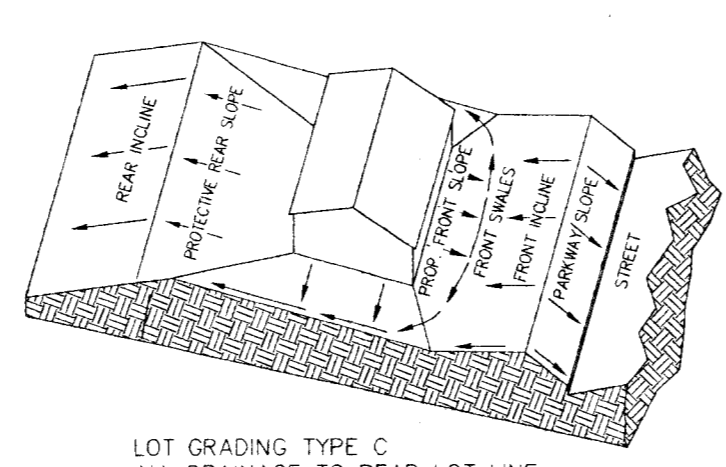
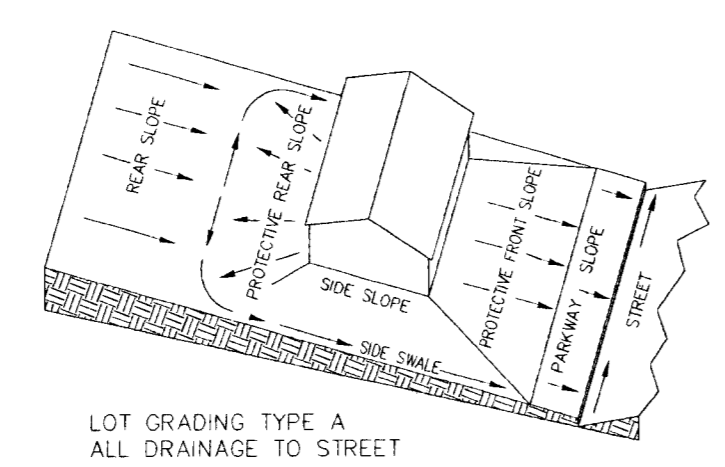
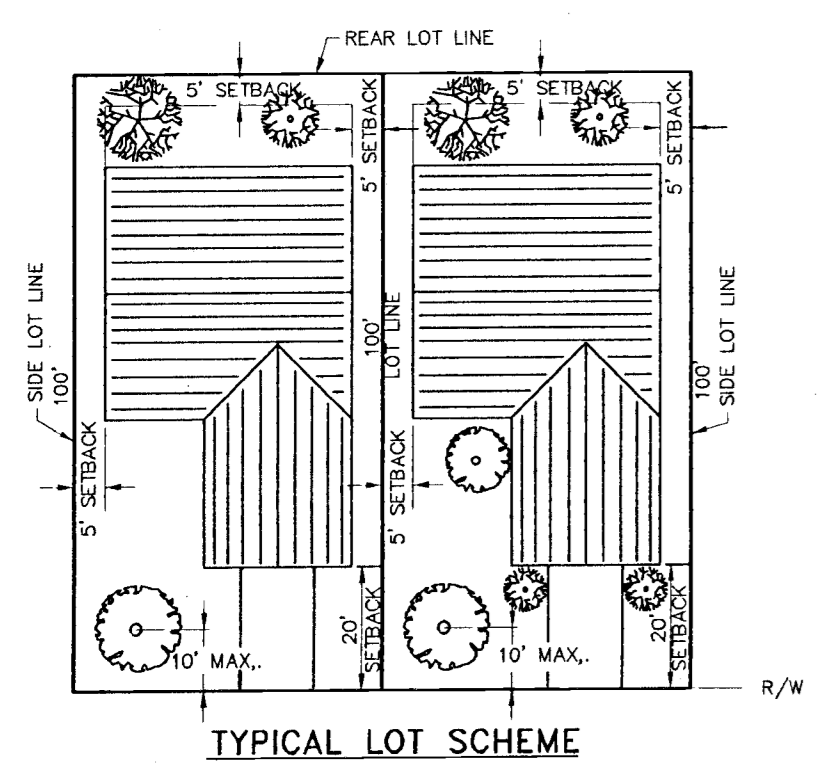
FILE NAME:

RECEIVED
MAR 13 2000
PDS
DIP AND
SR WAD

MAR 1 0 2000

MATCH LINE (SEE SHEET 21)

MATCH LINE (SEE SHEET 20)

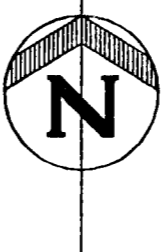


- GENERAL NOTES
- ALL FINISH FLOOR ELEVATIONS SHALL BE A MINIMUM OF 8" ABOVE THE HIGHEST GRADE ADJACENT TO BUILDING PAD. FLOOR ELEVATIONS SHOWN ARE BASED ON THE MINIMUM FRONT SETBACK. ALL GRADING TYPE A & B LOT FINISH FLOORS SHALL BE AT LEAST 1.50' ABOVE THE HIGHEST ROAD E.O.P. ALONG LOT FRONTAGE.
 - DRIVEWAYS SHALL NOT EXCEED A SLOPE OF 14% ±

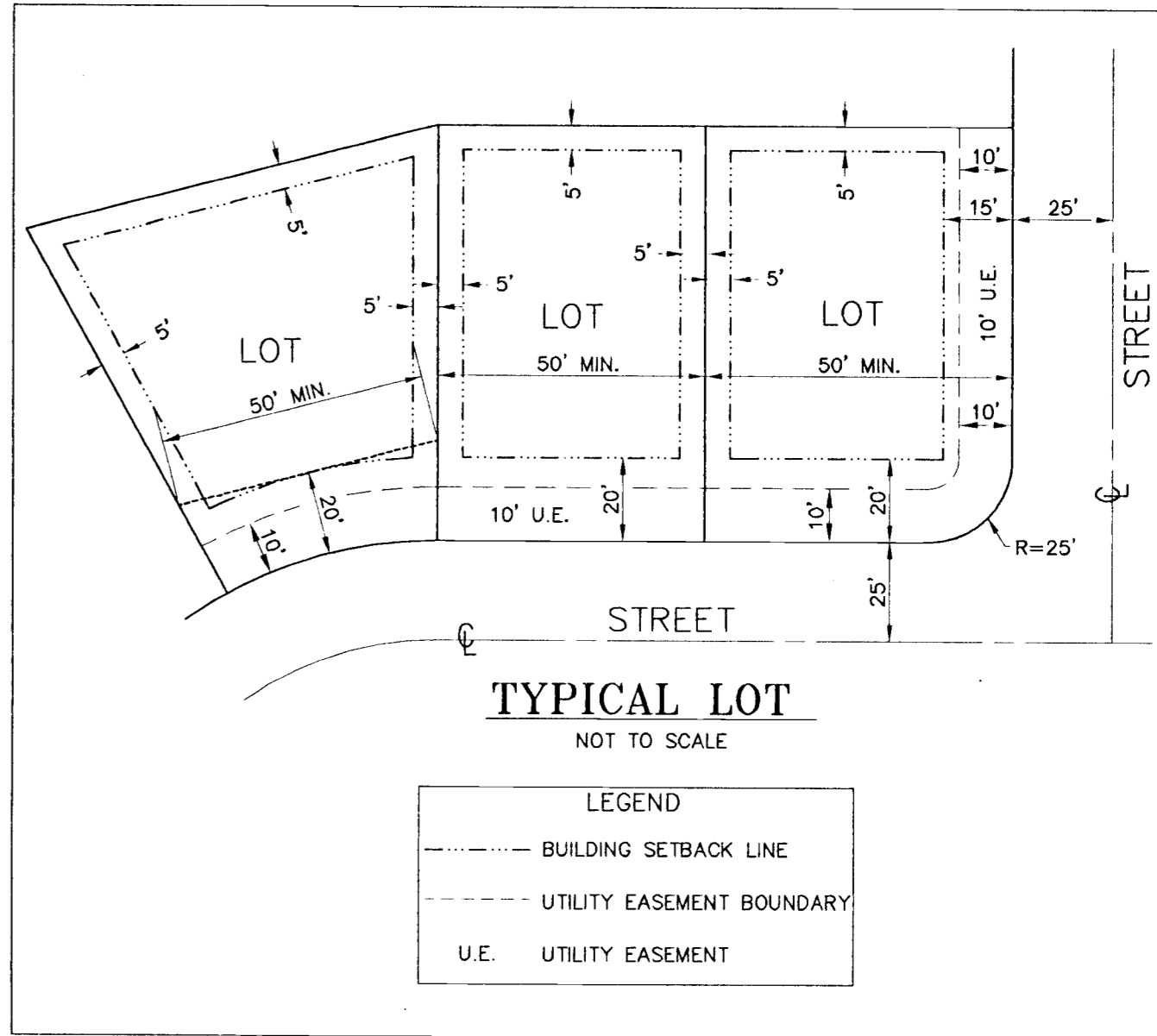
LOT AND BLOCK GRADING SCHEMES
NOT TO SCALE

N. LINE OF SEC. 4-23-26

N 1/4 CORNER OF SECTION 4-23-26



Scale: 1" = 120'
SCALE IN FEET



TYPICAL LOT
NOT TO SCALE

LEGEND
- - - BUILDING SETBACK LINE
- - - UTILITY EASEMENT BOUNDARY
U.E. UTILITY EASEMENT

Table with 8 columns: DATE, REVISION, 1, 2, 3, 4, 5, 6, 7, 8.

ENGINEERS SURVEYORS PLANNERS
FARNER BARLEY AND ASSOCIATES, INC.
350 North Sinclair Avenue O. Tallahassee, Florida 32378 O (904) 343-8481

PRELIMINARY PLAT OF
KINGS RIDGE NORTH
PHASE I

CHECKED BY: PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JMM
Sht. 2

FILE NAME: *
MAR 1 0 2000

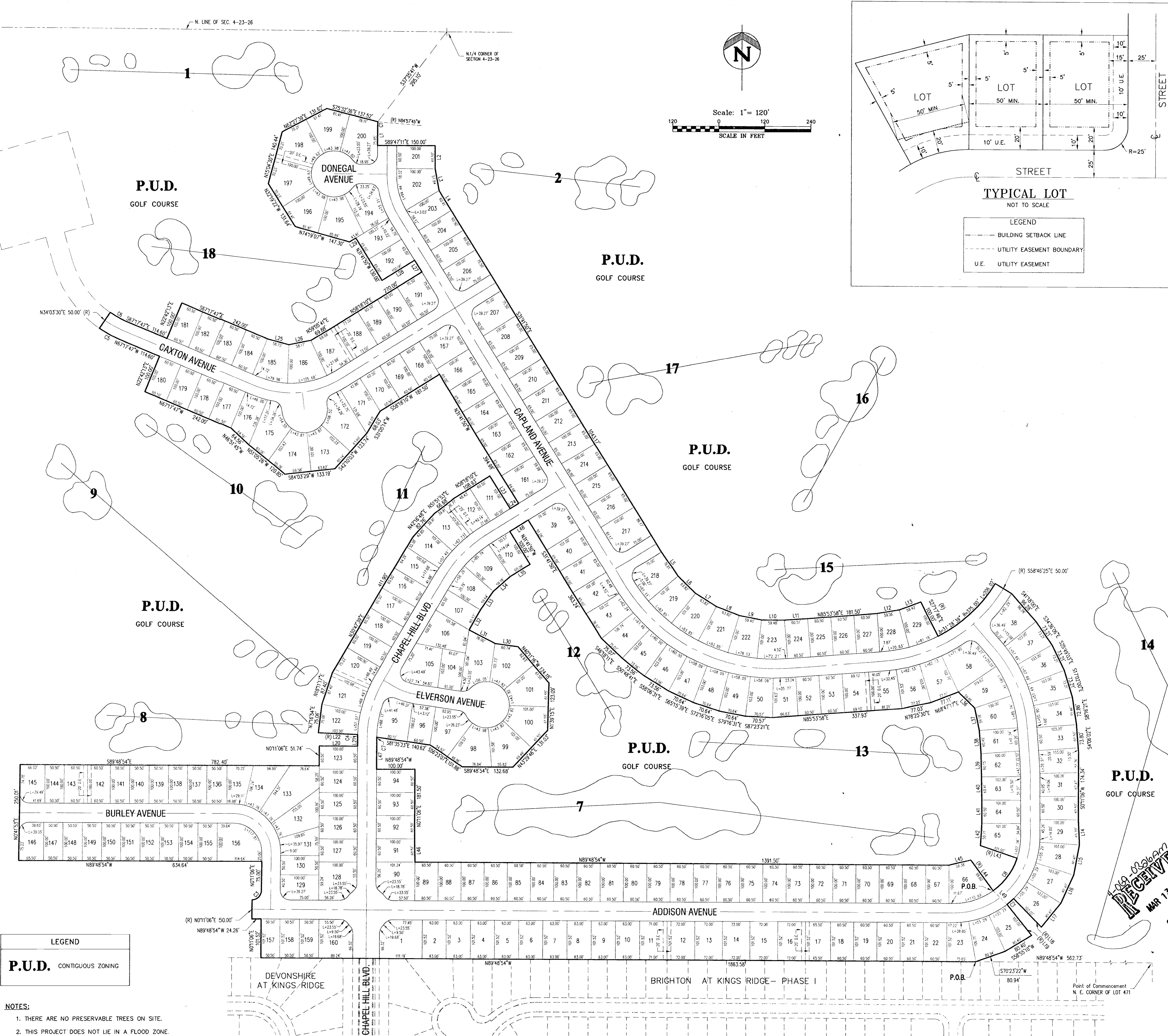
LINE TABLE with columns: LINE, BEARING, DISTANCE. Lists lines L1 through L49 with their respective bearings and distances.

CURVE TABLE with columns: CURVE, DELTA, RADIUS, LENGTH, TANGENT, CHORD, CHORD BEARING. Lists curves C1 through C7 with their geometric data.

SUMMARY table with rows: ZONED, PROPOSED LAND USE, TOTAL AREA, TOTAL NUMBER OF 50' LOTS, TOTAL NUMBER OF 60' LOTS, TOTAL NUMBER OF LOTS, GROSS DENSITY, WATER, SANITARY SEWAGE, TOTAL LENGTH OF STREETS, MINIMUM LOT SIZE.

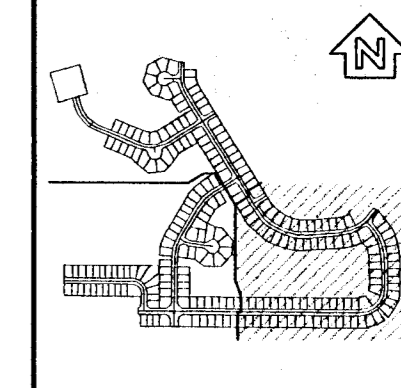
LEGEND
P.U.D. CONTIGUOUS ZONING

- NOTES:
1. THERE ARE NO PRESERVABLE TREES ON SITE.
2. THIS PROJECT DOES NOT LIE IN A FLOOD ZONE.



RECEIVED
MAR 13 2000

Point of Commencement
N. E. CORNER OF LOT 471



Scale: 1" = 60'
SCALE IN FEET

DATE	REVISION

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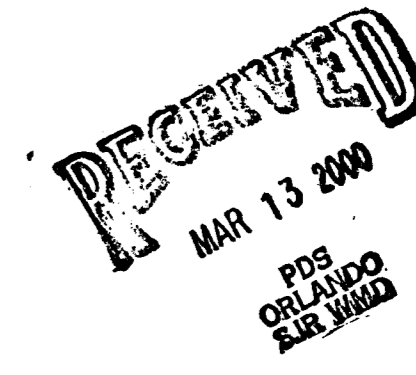
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**MASTER GRADING PLAN
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JHM

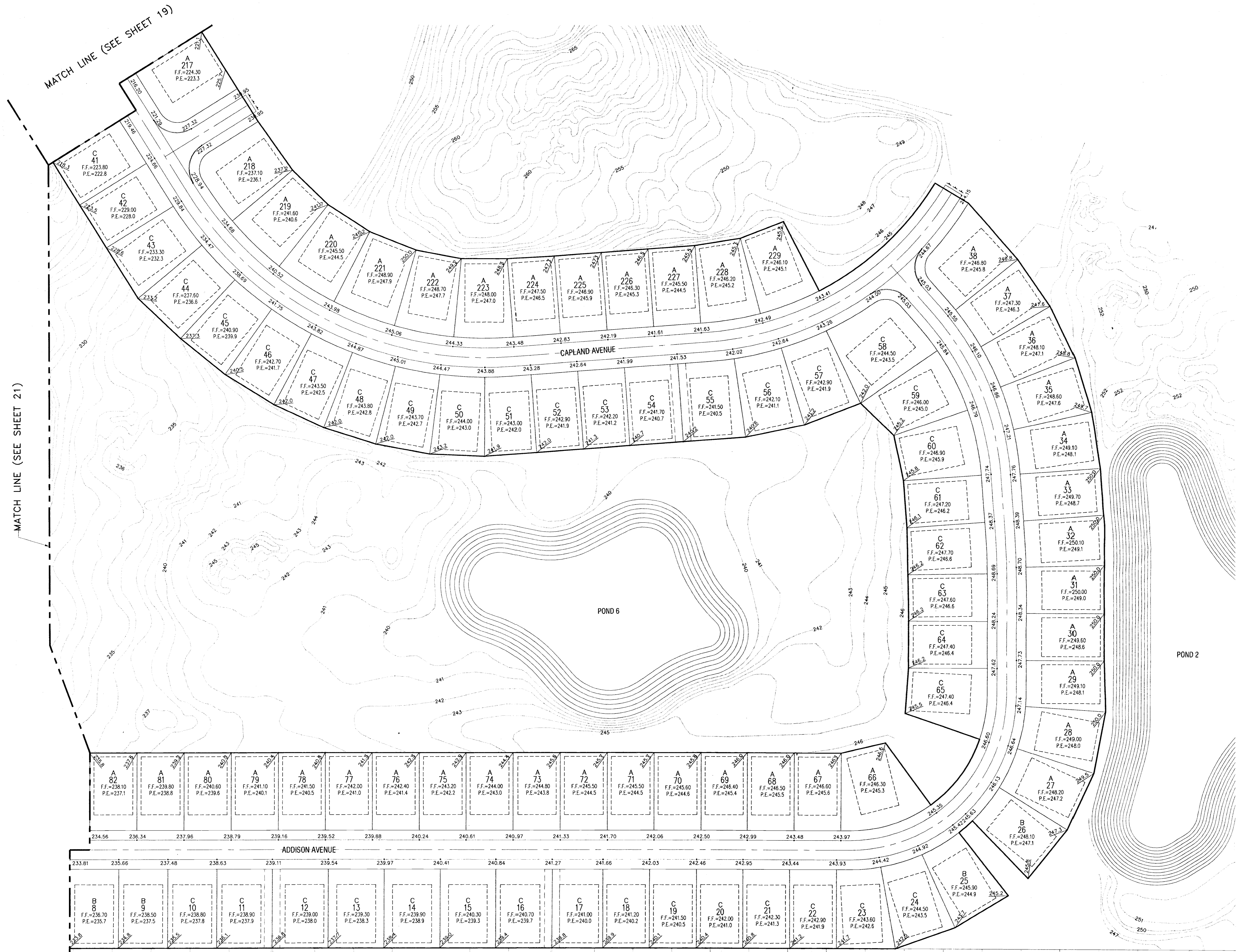
Sht. 20

FILE NAME: *



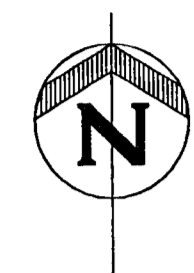
MAR 1 0 2000

BRIGHTON AT KINGS RIDGE - PHASE I

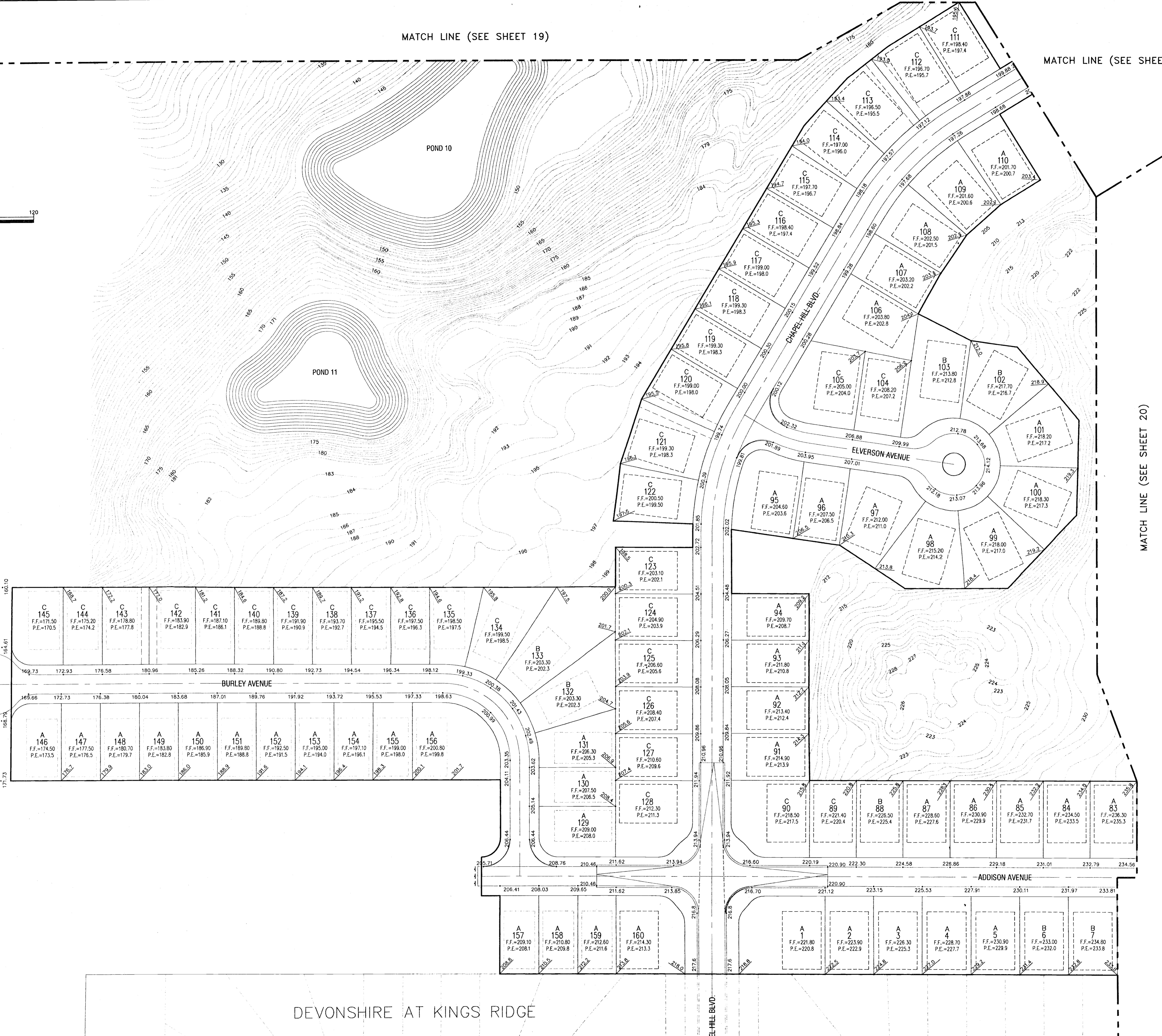


MATCH LINE (SEE SHEET 19)

MATCH LINE (SEE SHEET 19)

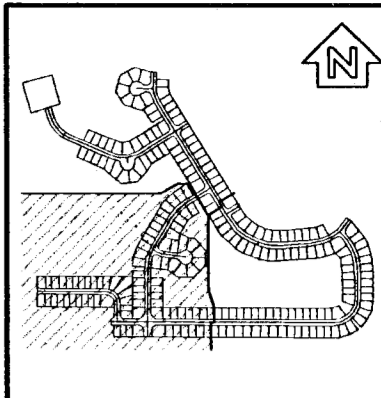


Scale: 1" = 60'



MATCH LINE (SEE SHEET 20)

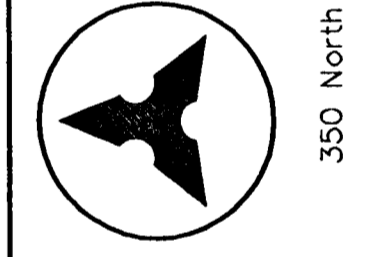
DEVONSHIRE AT KINGS RIDGE



DATE	REVISION
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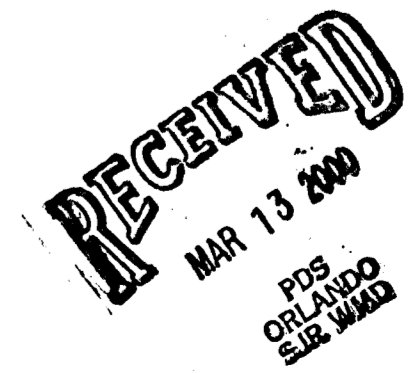
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MASTER GRADING PLAN KINGS RIDGE NORTH PHASE I

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PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JMM

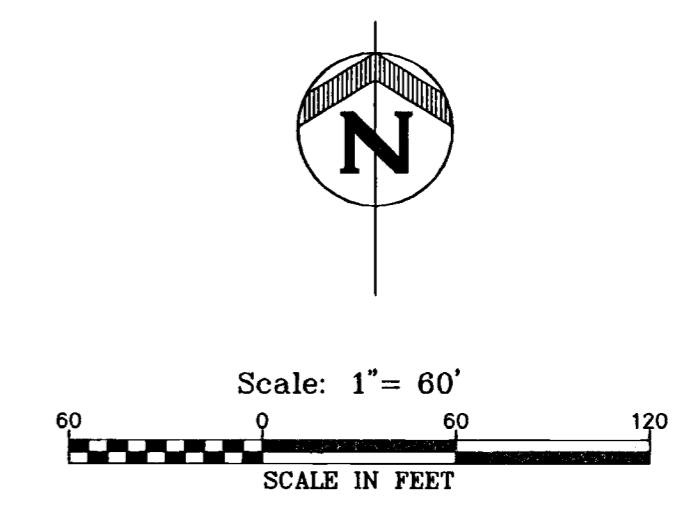
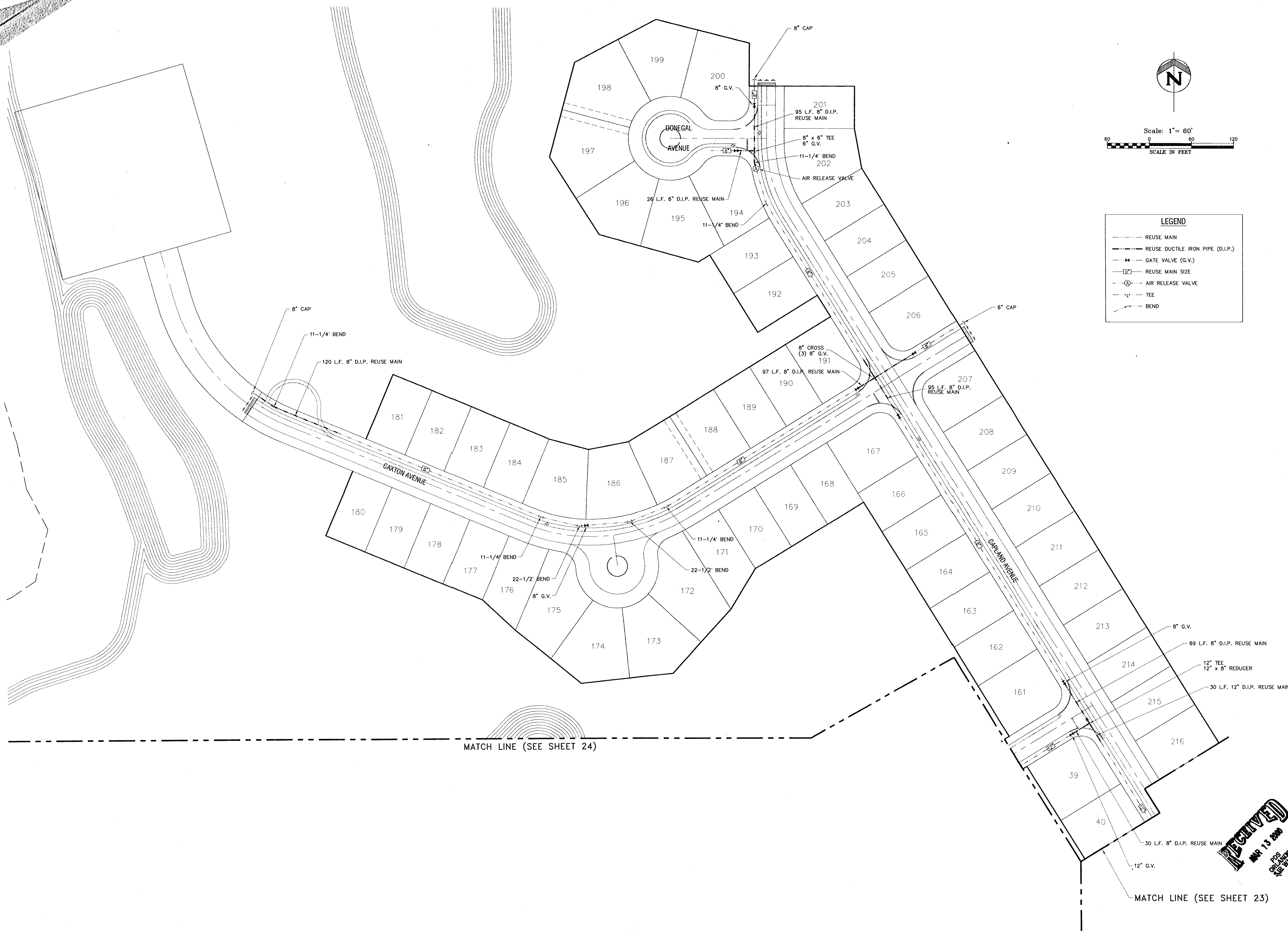
Sht. 21

FILE NAME: *



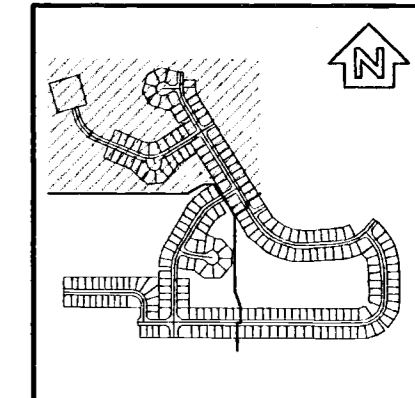
Handwritten signature.

MAR 1 0 2000



LEGEND

- REUSE MAIN
- REUSE DUCTILE IRON PIPE (D.I.P.)
- GATE VALVE (G.V.)
- REUSE MAIN SIZE
- AIR RELEASE VALVE
- TEE
- BEND



REVISION

NO.	DATE	REVISION
1		
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FARNEY BARLEY
 AND ASSOCIATES, INC.
 ENGINEERS SURVEYORS PLANNERS
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**MASTER REUSE PLAN
 KINGS RIDGE NORTH
 PHASE I**

CHECKED BY:
 PROJECT NO.: 941216.091
 DATE: FEB. 2000
 DRAWN BY: JWM

Sht. 22

FILE NAME: *

MAR 10 2000

RECEIVED
 MAR 13 2000
 CIVIL ENG
 138 WIND

MATCH LINE (SEE SHEET 24)

MATCH LINE (SEE SHEET 23)

MATCH LINE (SEE SHEET 22)

65 L.F. 6" D.I.P. REUSE MAIN

6" CAP

217

41

218

42

219

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90 L.F. 12" D.I.P. REUSE MAIN

12" x 8" TEE
(2) 12" G.V.

12" CAP

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

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11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

11-1/4" BEND

GAPLAND AVENUE

28 L.F. 12" D.I.P. REUSE MAIN

AIR RELEASE VALVE

12" G.V.

11-1/4" BEND

22-1/2" BEND

22-1/2" BEND

12" TEE

12" x 8" REDUCER

12" G.V.

8" G.V.

11-1/4" BEND

8" G.V.

22-1/2" BEND

35 L.F. 12" D.I.P. REUSE MAIN

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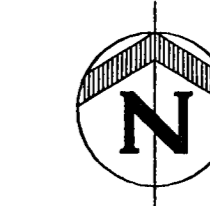
11

10

9

8

POND 2



Scale: 1" = 60'
SCALE IN FEET

MATCH LINE

MANCHESTER AT KINGS RIDGE- PHASE 2

15' U.E.

12"

20 L.F. 12" D.I.P. REUSE MAIN

90° BEND

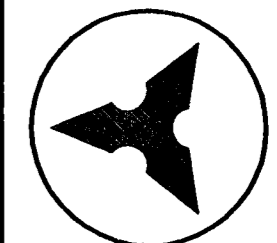
HANGCOCK ROAD

REMOVE CAP AND TIE INTO EXISTING 12" REUSE MAIN

DATE	REVISION

ENGINEERS
SURVEYORS
PLANNERS

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MASTER REUSE PLAN KINGS RIDGE NORTH PHASE I

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JWM

Sht. 23

FILE NAME: *

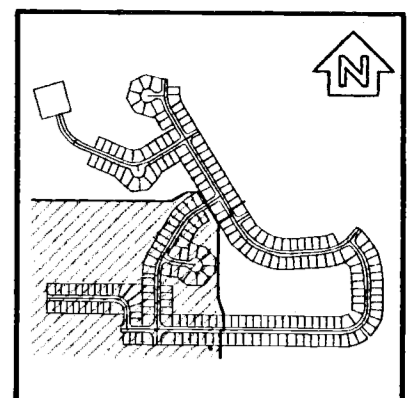
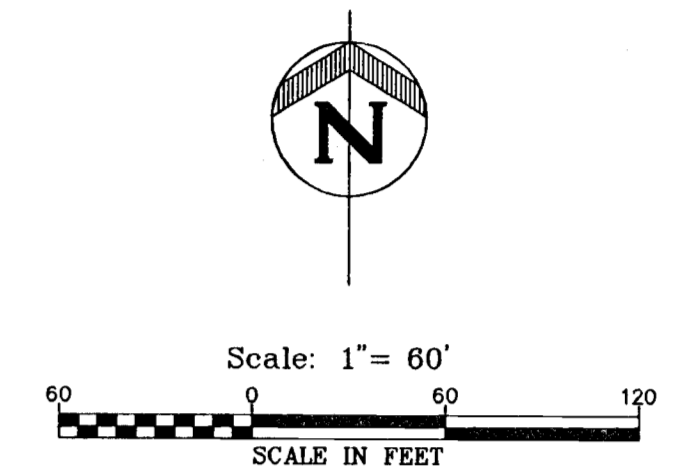
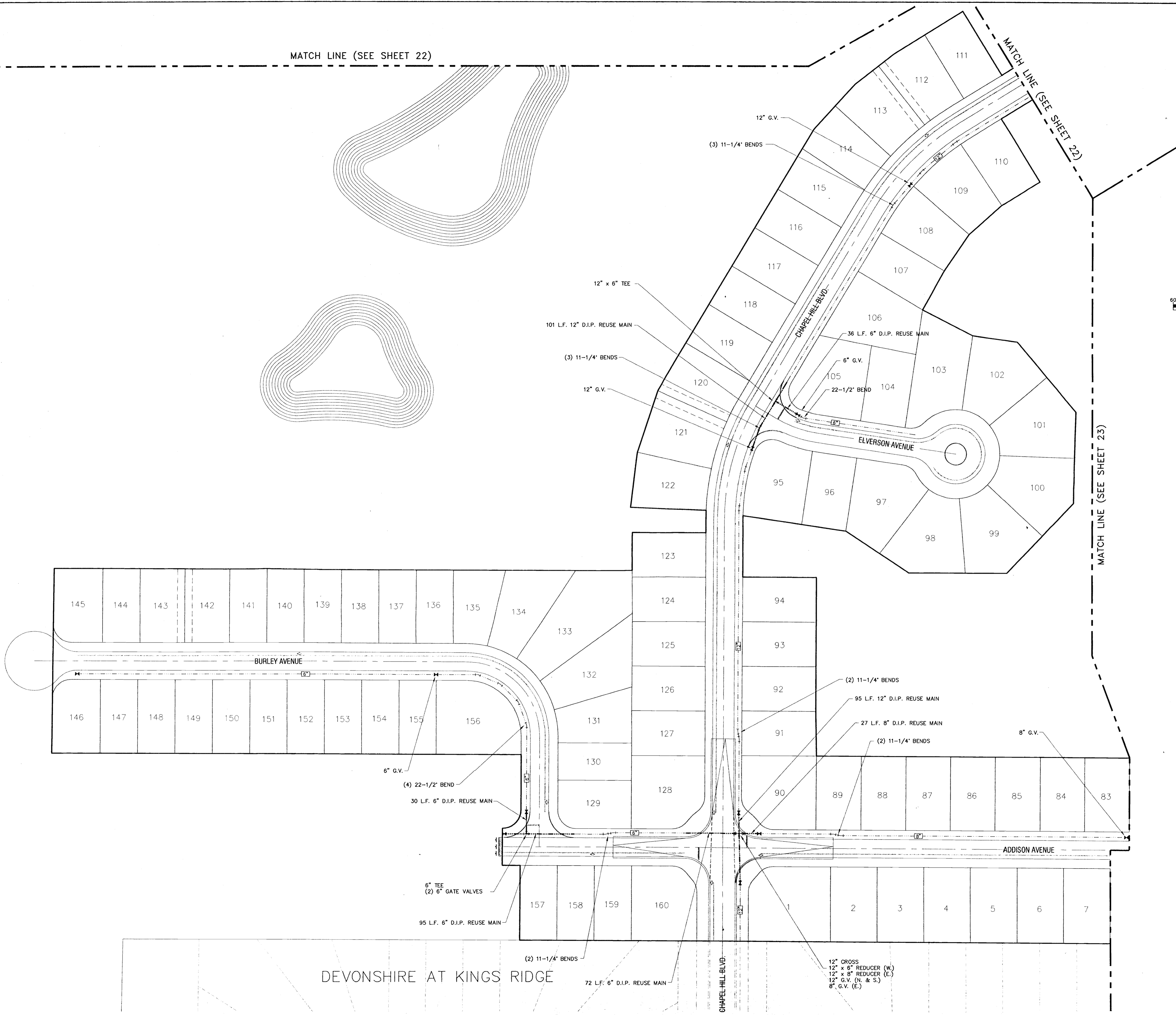
MAR 13 2000
PIS
ORLANDO
SUR. JMB

MAR 10 2000

MATCH LINE (SEE SHEET 22)

MATCH LINE (SEE SHEET 22)

MATCH LINE (SEE SHEET 23)



DATE	REVISION

ENGINEERS
SURVEYORS
PLANNERS

FARBER
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AND ASSOCIATES, INC.

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**MASTER REUSE PLAN
KINGS RIDGE NORTH
PHASE I**

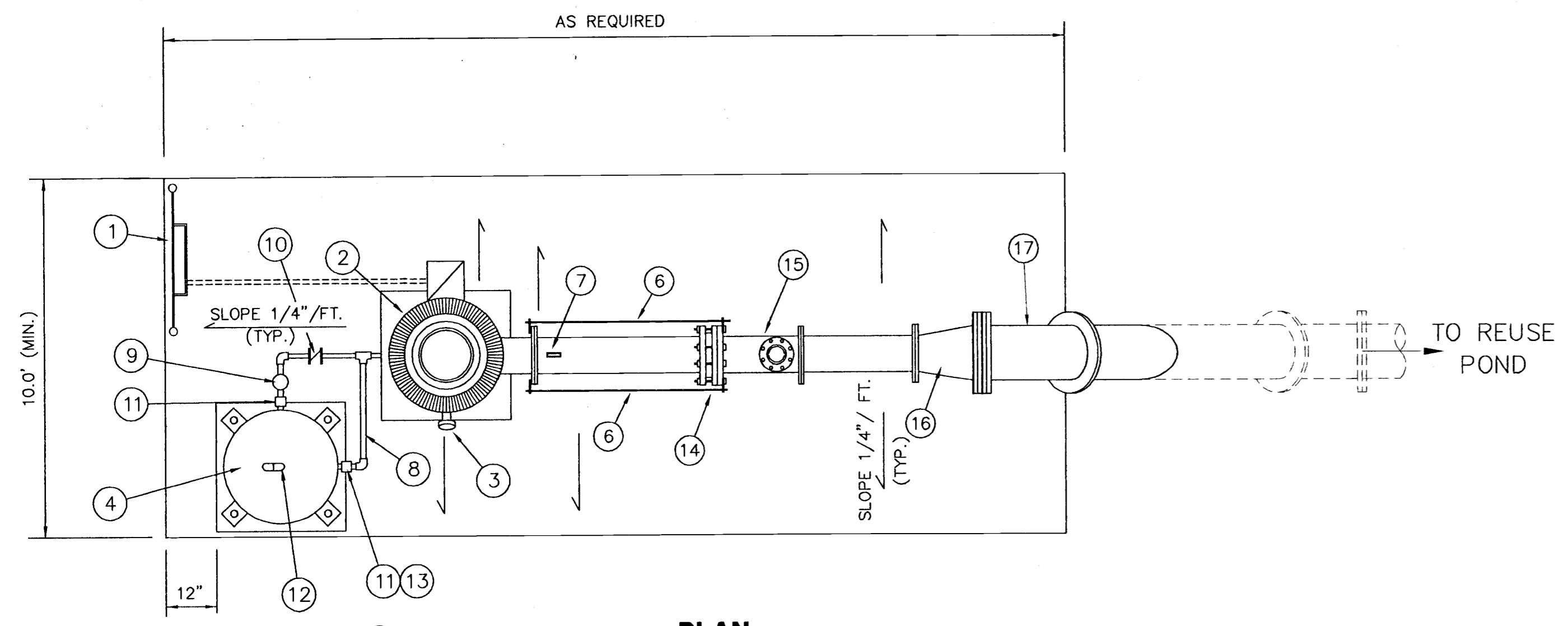
CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JHM

Sht. 24

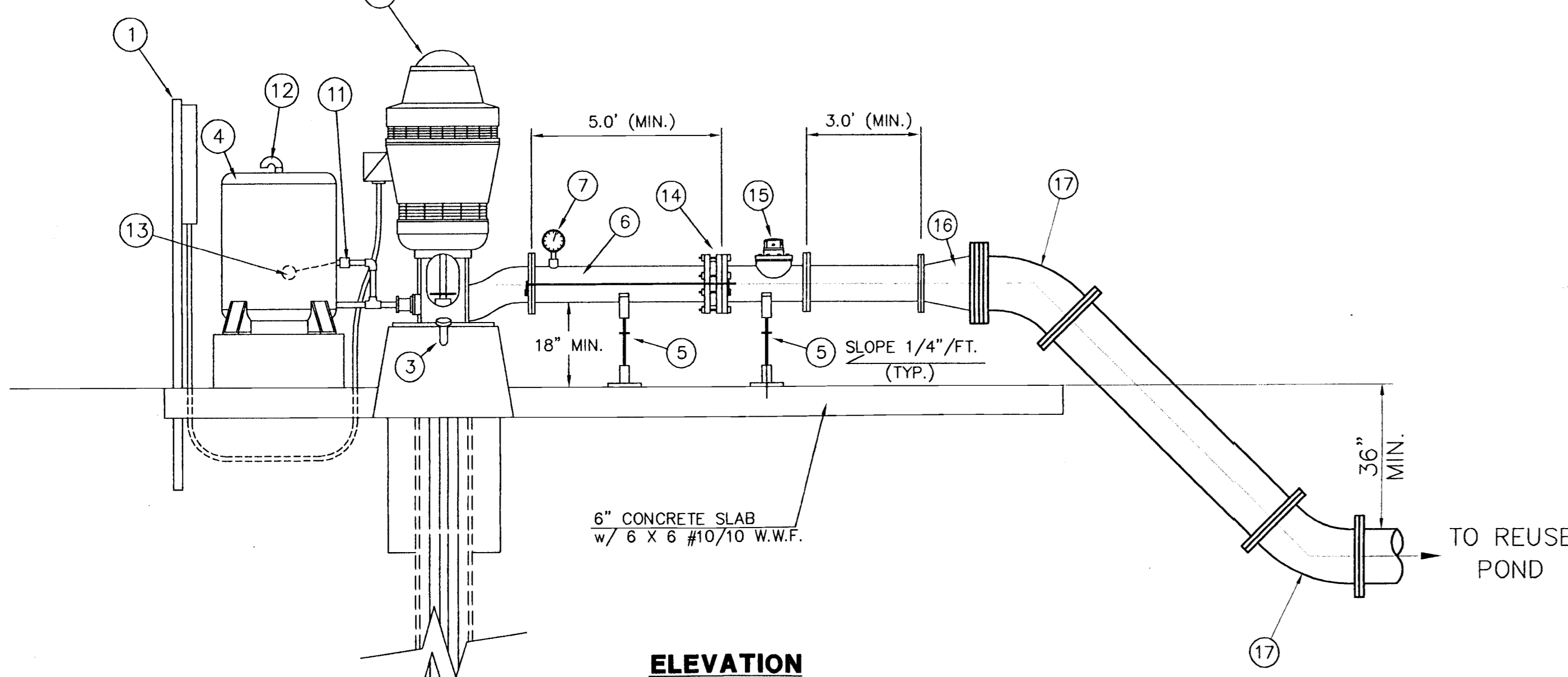
FILE NAME: *

MAR 10 2000

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MAR 13 2000
PDS
ORLANDO
FLA. JHM



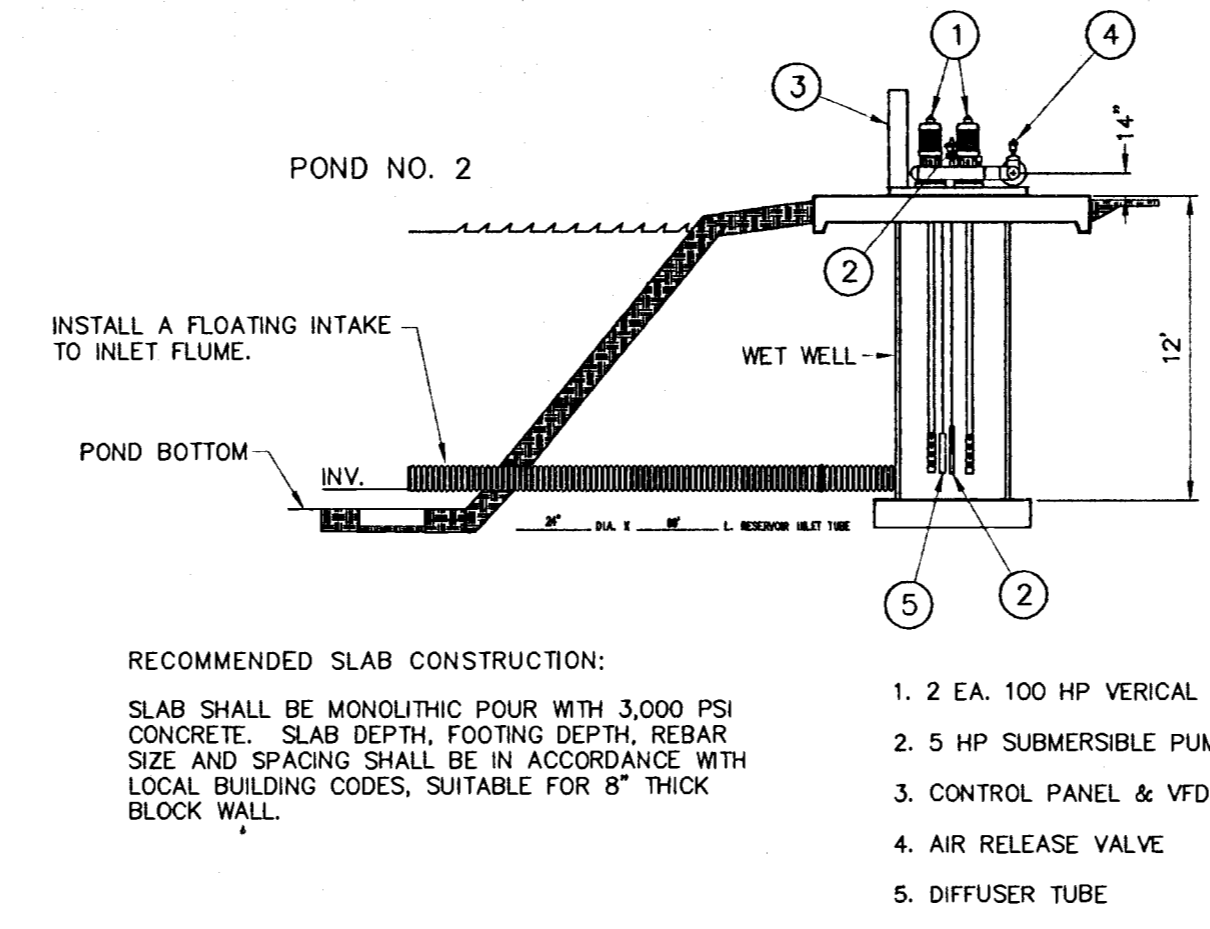
PLAN



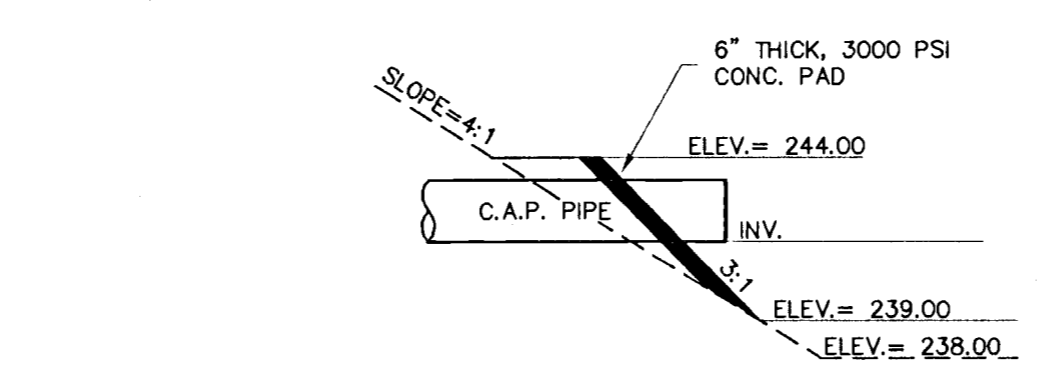
ELEVATION

ITEM	DESCRIPTION
1	WELL PUMP CONTROL PANEL MOUNTED ON 2 GALVANIZED STEEL POSTS W/ END CAPS & SET IN CONCRETE.
2	VERTICAL TURBINE PUMP MODEL: _____ MANUF.: _____ R.P.M.: _____ H.P. _____ VOLTAGE: _____ PHASE: _____ % EFFICIENCY: _____ T.D.H.: _____ G.P.M.: _____ STAGES: _____
3	2" GALV. STEEL PIPE W/ THREADED CAP FOR WELL ENTRY. PIPE TO BE WELDED TO WELL CASING.
4	42 GALLON GALVANIZED TANK 20" DIA. x 32" HIGH (PRE-LUBRICATION TANK)
5	ADJUSTABLE GALV. STEEL PIPE STANDS AS NEEDED
6	3/4" DIA. GALV. STEEL TIE RODS W/ BRACKETS.
7	4 1/2" S.S. PRESSURE GAUGE, 0-50 P.S.I., OIL FILLED W/ SNUBBER & S.S. DIAPHRAM SEALS & 1/2" S.S. BALL VALVE.
8	1" SCH. 40 GALVANIZED PIPE PRE-LUBRICATION LINE.
9	1" SOLENOID VALVE WIRED TO TIME DELAY RELAY
10	1" CHECK VALVE
11	1" UNION
12	1/2" SCH. 40 GALVANIZED VENT ELBOW W/ STN STL SCREEN (FOR AIR RELEASE)
13	FLOAT VALVE
14	8" FLANGED COUPLING ADAPTER
15	8" FLANGED END PROPELLER FLOW METER W/ INDICATOR & TOTALIZER.
16	8" x 12" F.J.D.I. REDUCER
17	12" F.J.D.I. 45° BEND

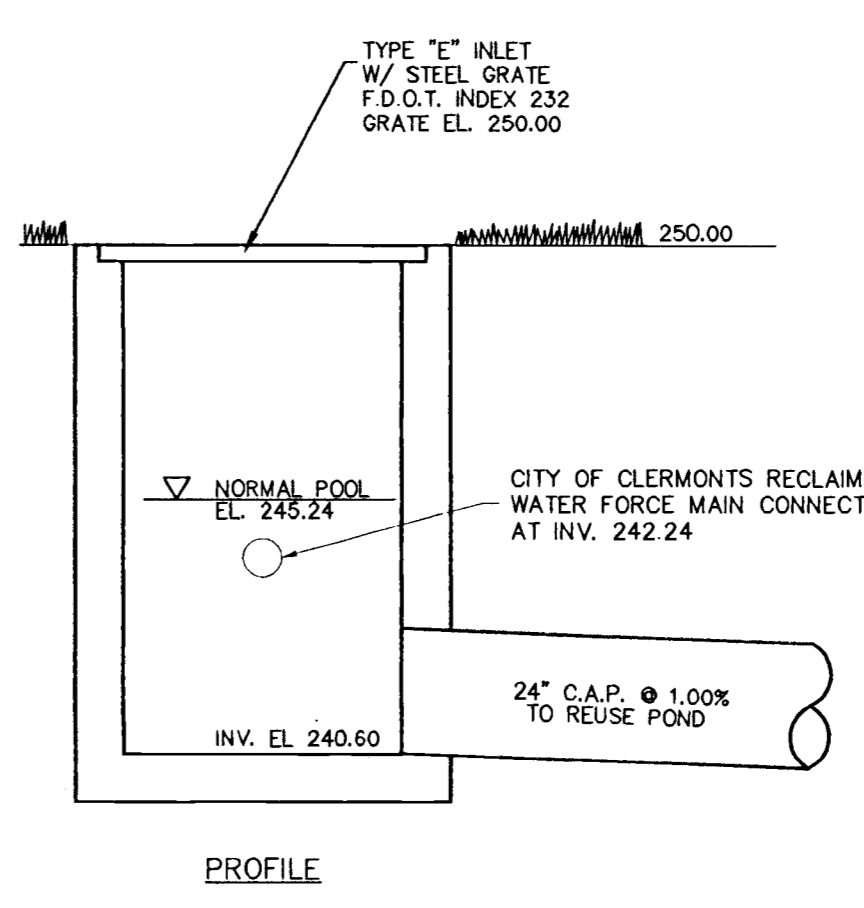
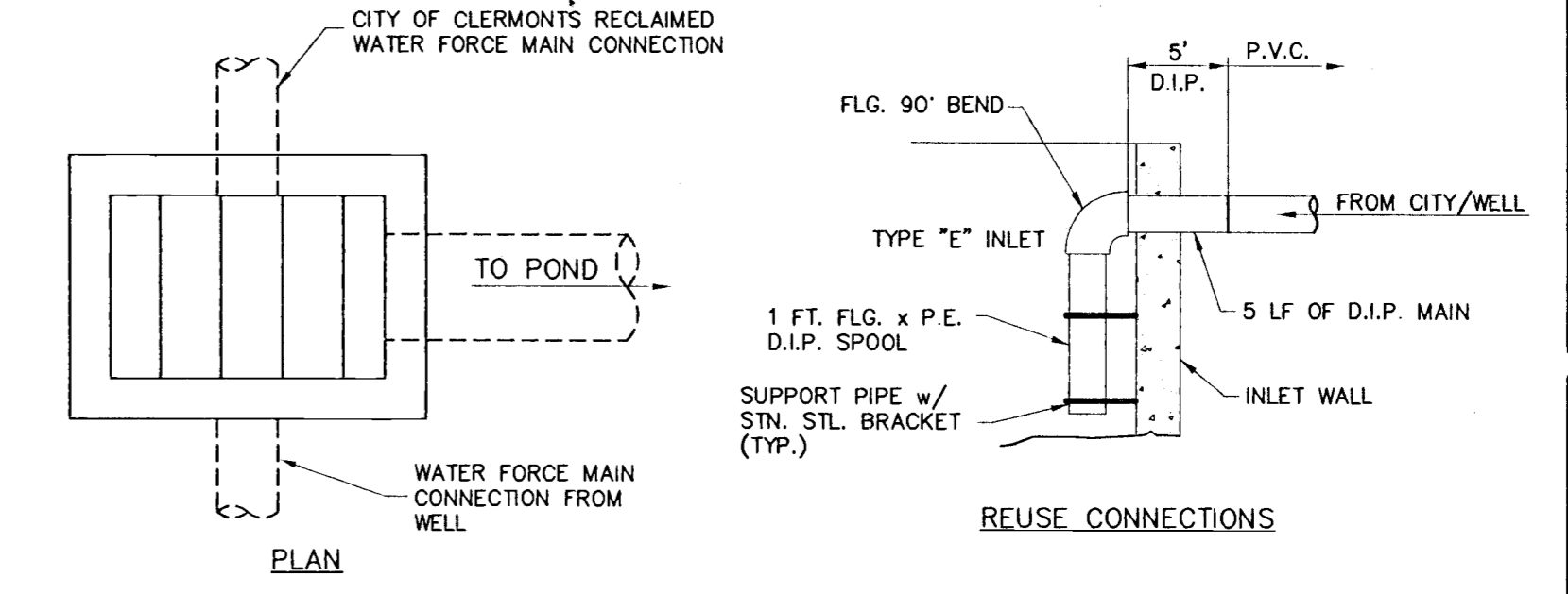
WELL



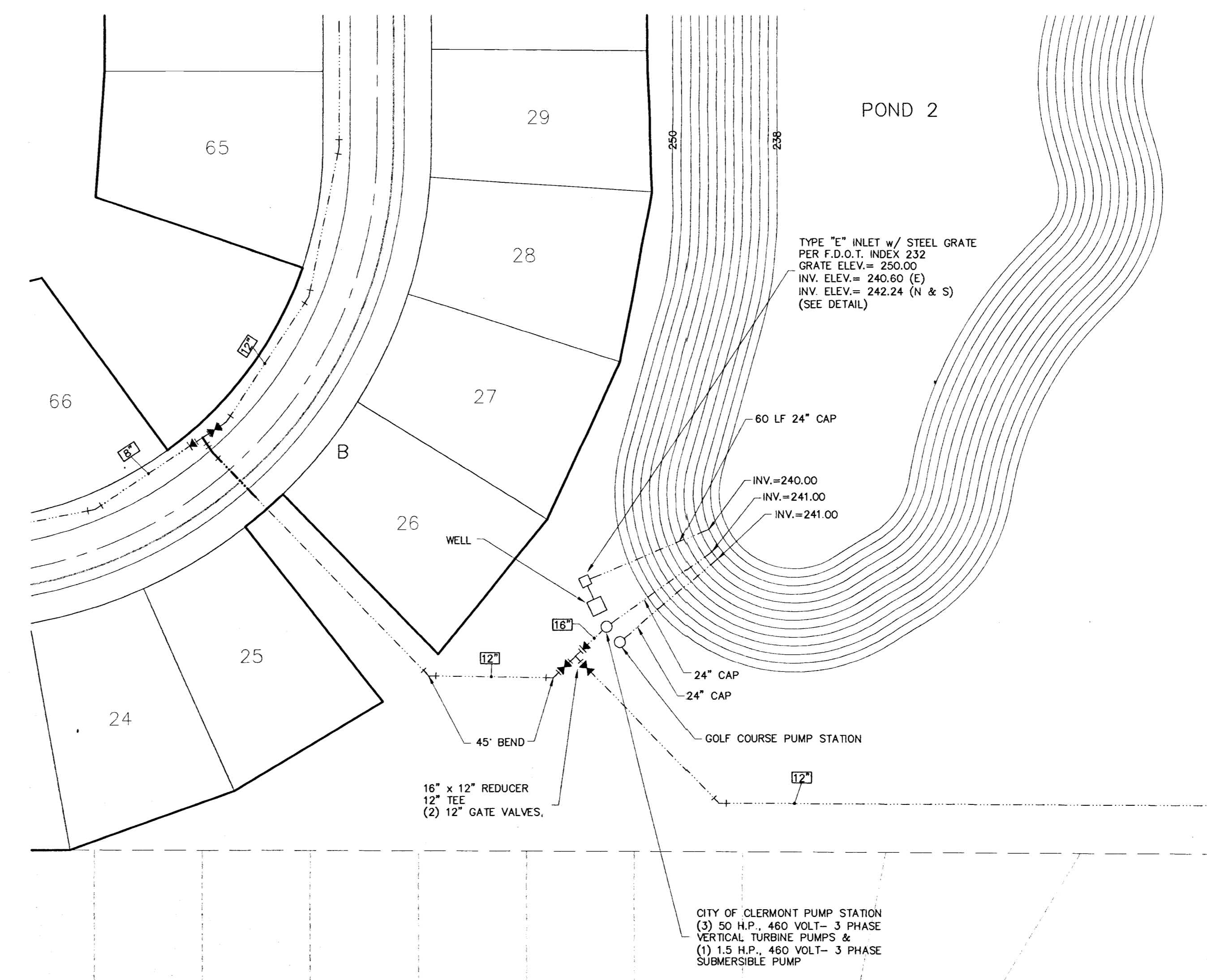
PUMP STATION



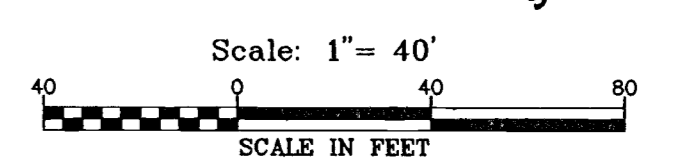
PIPE CONNECTIONS INTO POND NO. 2



TYPE "E" INLET W/ STEEL GRATE



SITE DETAIL



NO.	DATE	REVISION
1		
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ENGINEERS
SURVEYORS
PLANNERS

FARNER BARLEY
AND ASSOCIATES, INC.

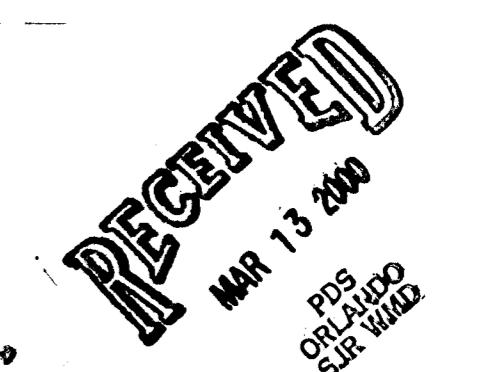
350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

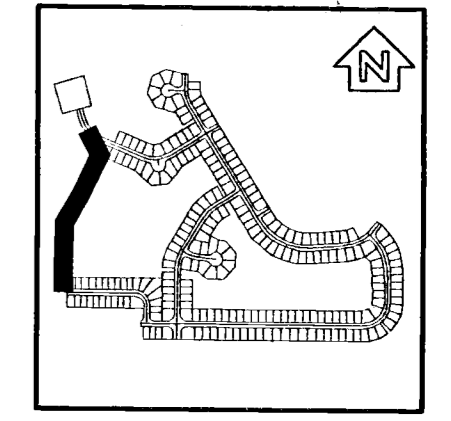
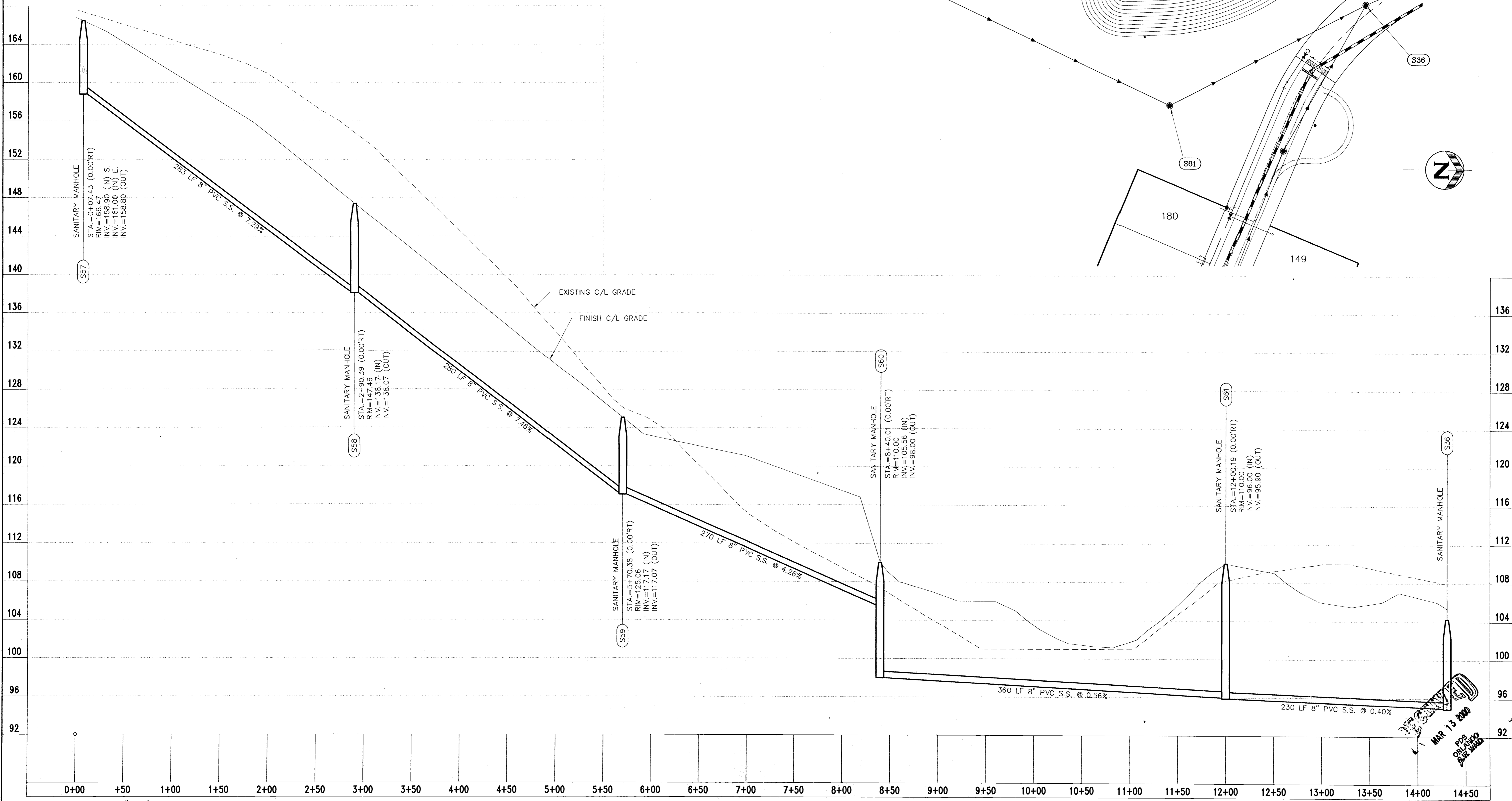
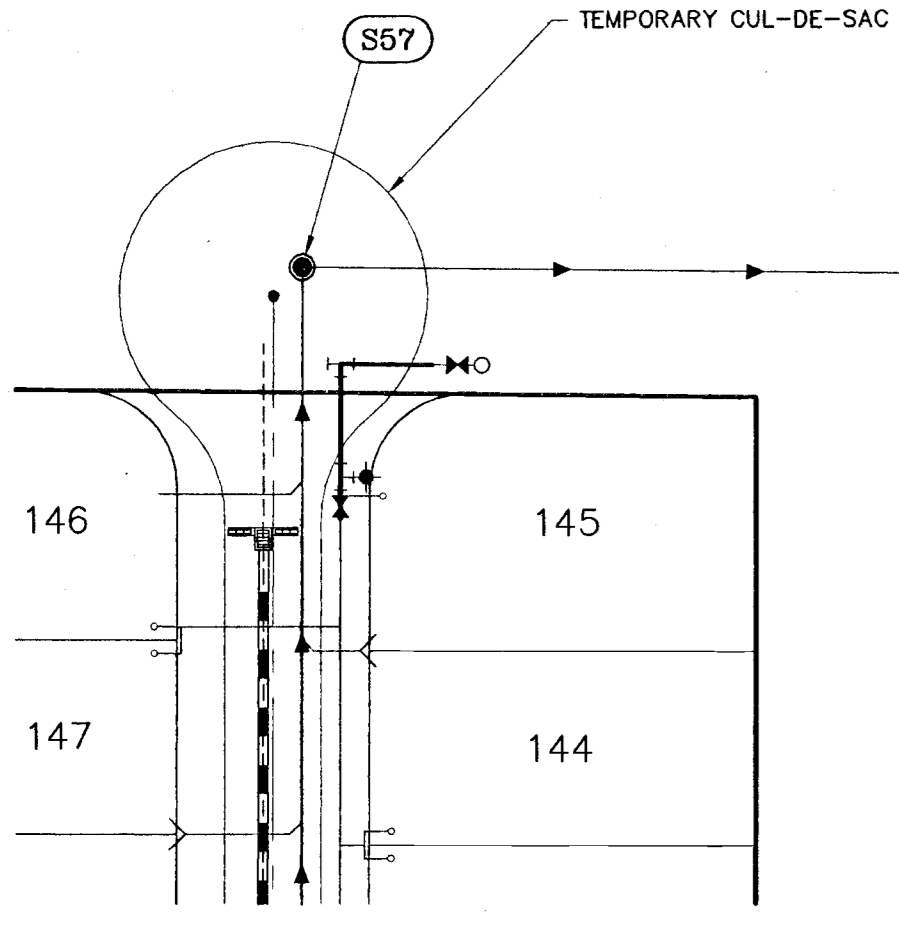
**REUSE DETAILS
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JMM
Sht. 25

FILE NAME:

MAR 1 0 2000





DATE	REVISION

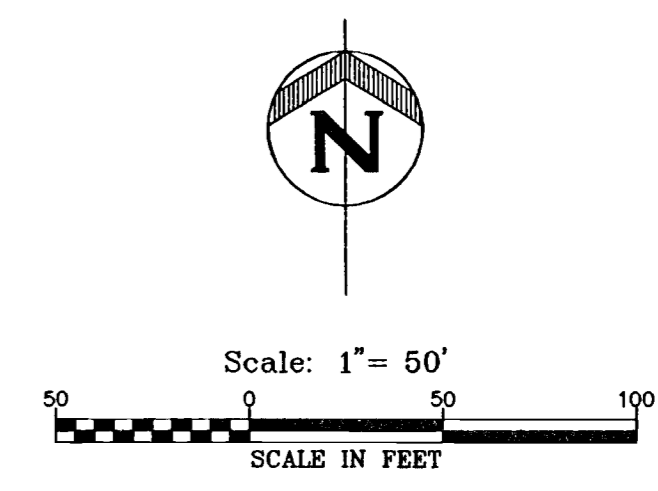
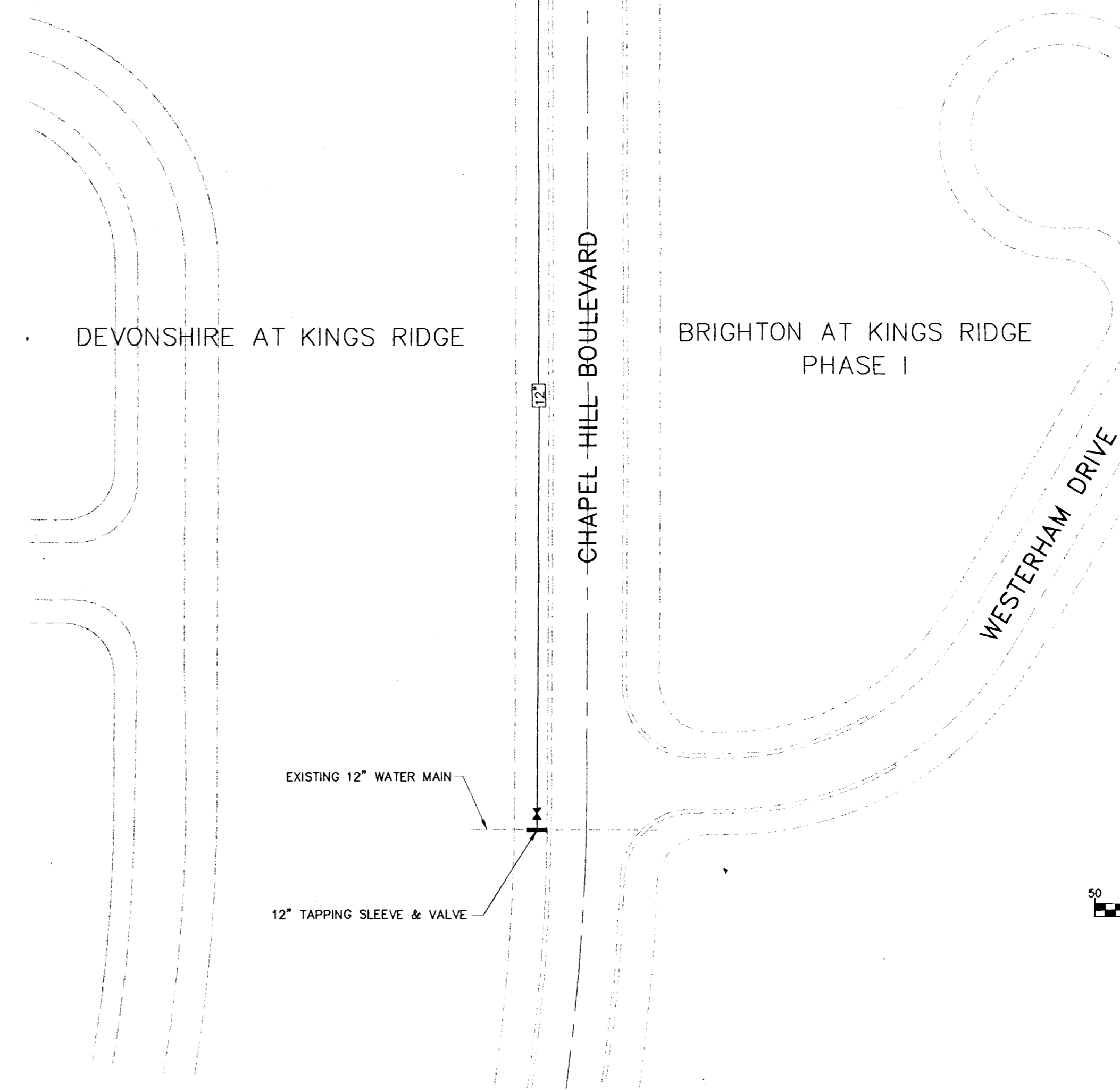
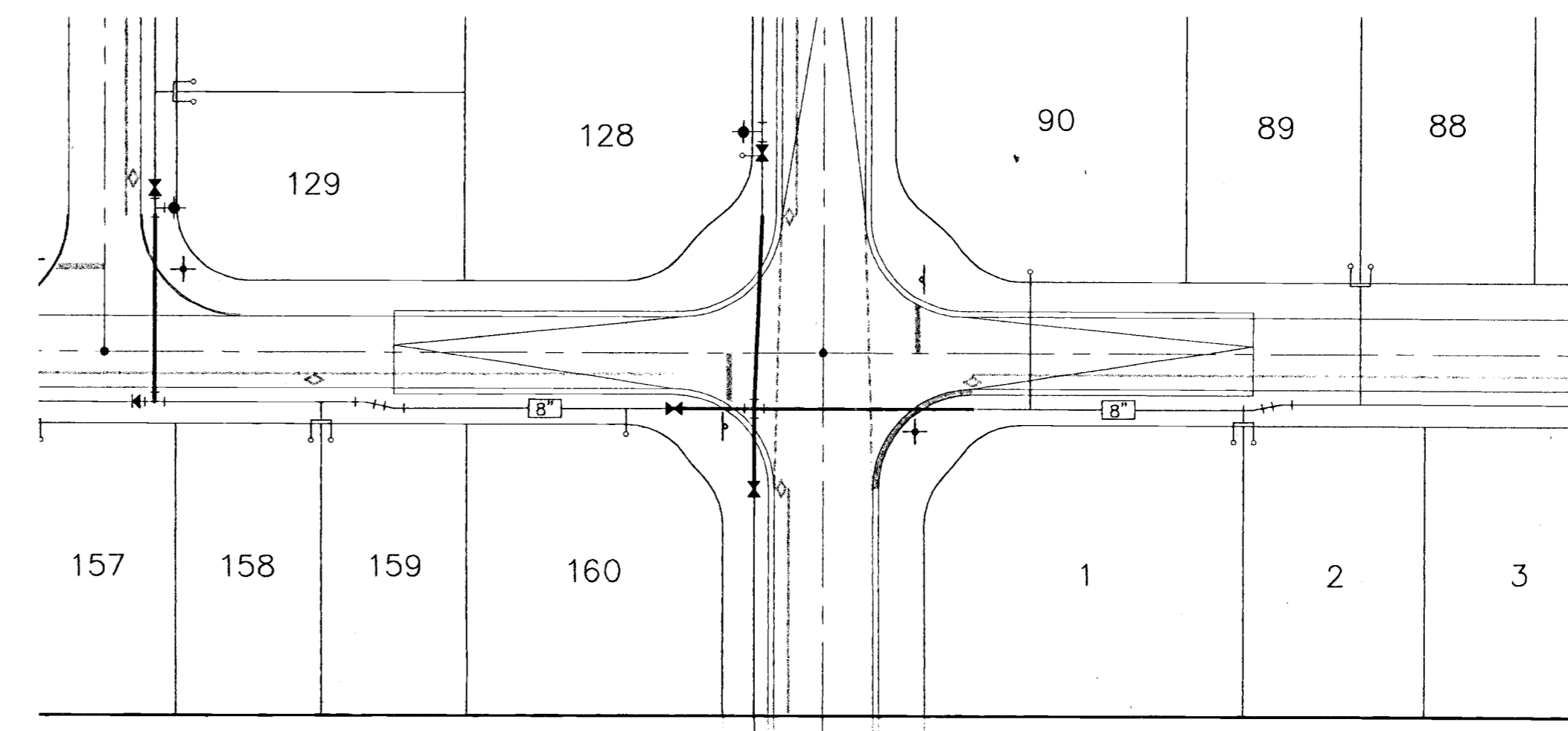
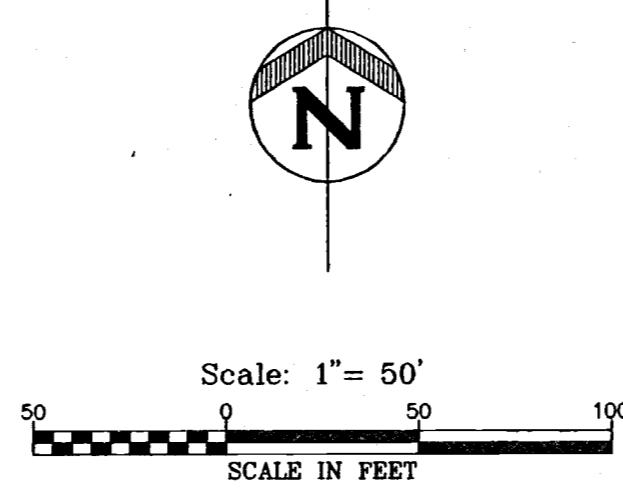
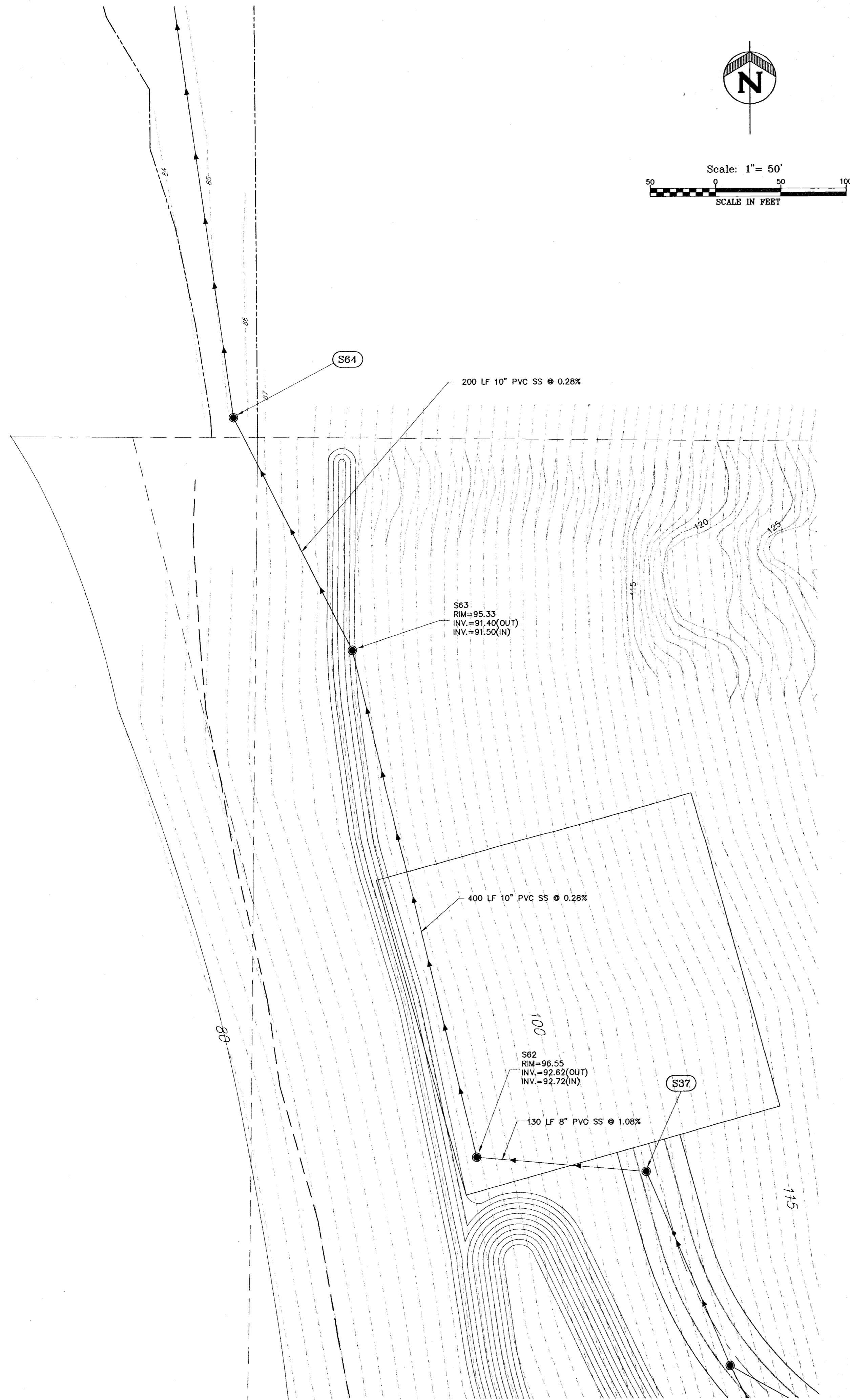
FARNER BARLEY AND ASSOCIATES, INC.
 ENGINEERS SURVEYORS PLANNERS
 350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

PLAN AND PROFILE KINGS RIDGE NORTH PHASE I

CHECKED BY: _____
 PROJECT NO.: 941216.091
 DATE: FEB. 2000
 DRAWN BY: JWM
Sht. 26

FILE NAME: _____
 MAR 13 2000
 10:55 AM
 MAR 1 0 2000

HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=5'
 SCALE IN FEET



RECEIVED
 MAR 23 2000
 4-069-3366-11-11-11
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NO.	DATE	REVISION
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ENGINEERS
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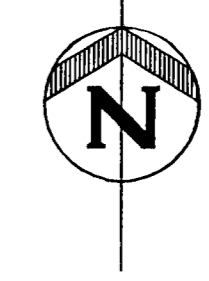
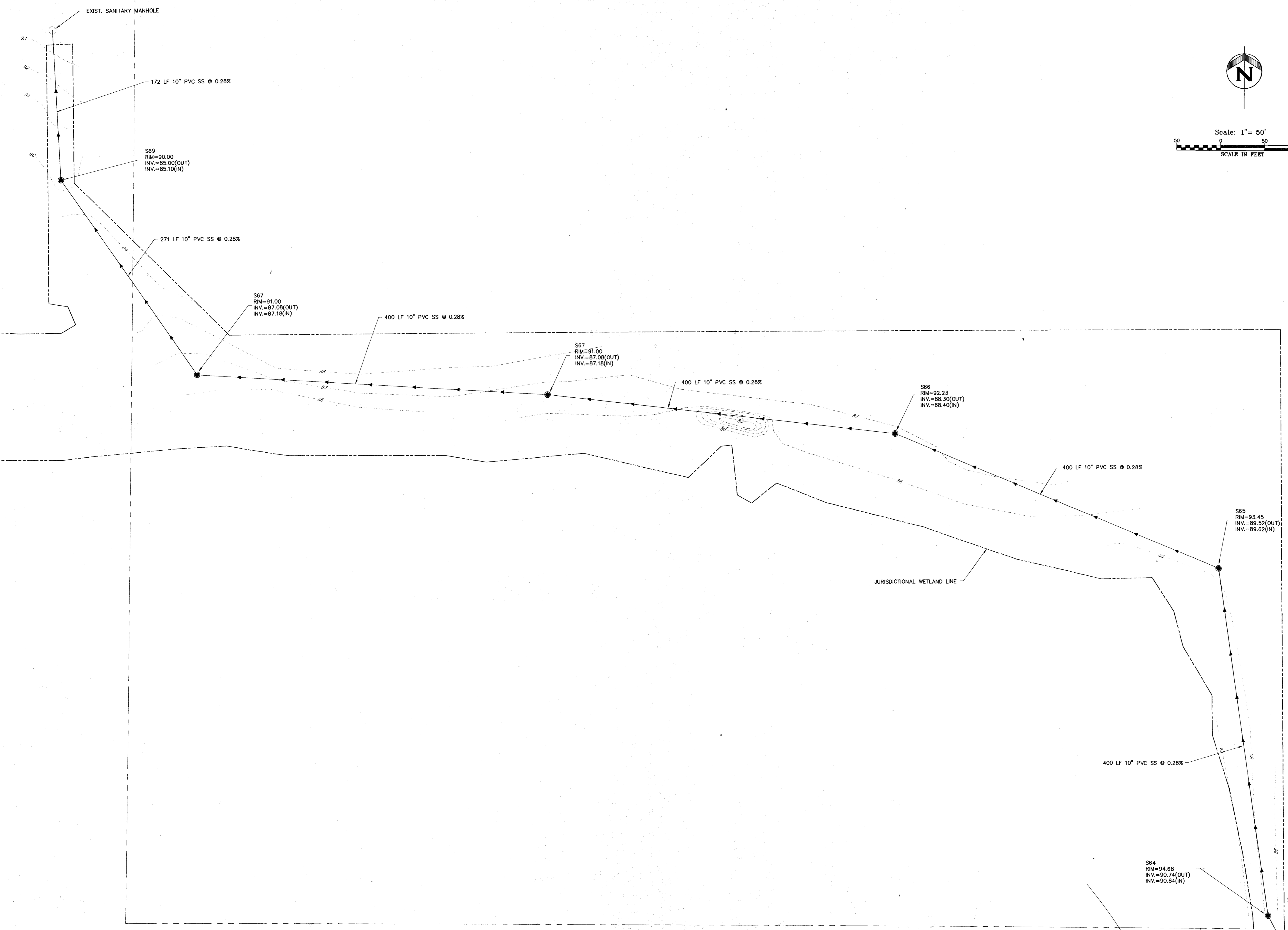
**FARNER
 BARBLEY**
 AND ASSOCIATES, INC.

350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

**OFFSITE UTILITY PLAN
 KINGS RIDGE NORTH
 PHASE I**

CHECKED BY:
 PROJECT NO.: 941216.077
 DATE: FEB. 2000
 DRAWN BY: JWM
Sht. 27
 FILE NAME: *

MAR 10 2000



Scale: 1" = 50'
SCALE IN FEET

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ENGINEERS
SURVEYORS
PLANNERS

**FARNEY
BARBLEY**
AND ASSOCIATES, INC.

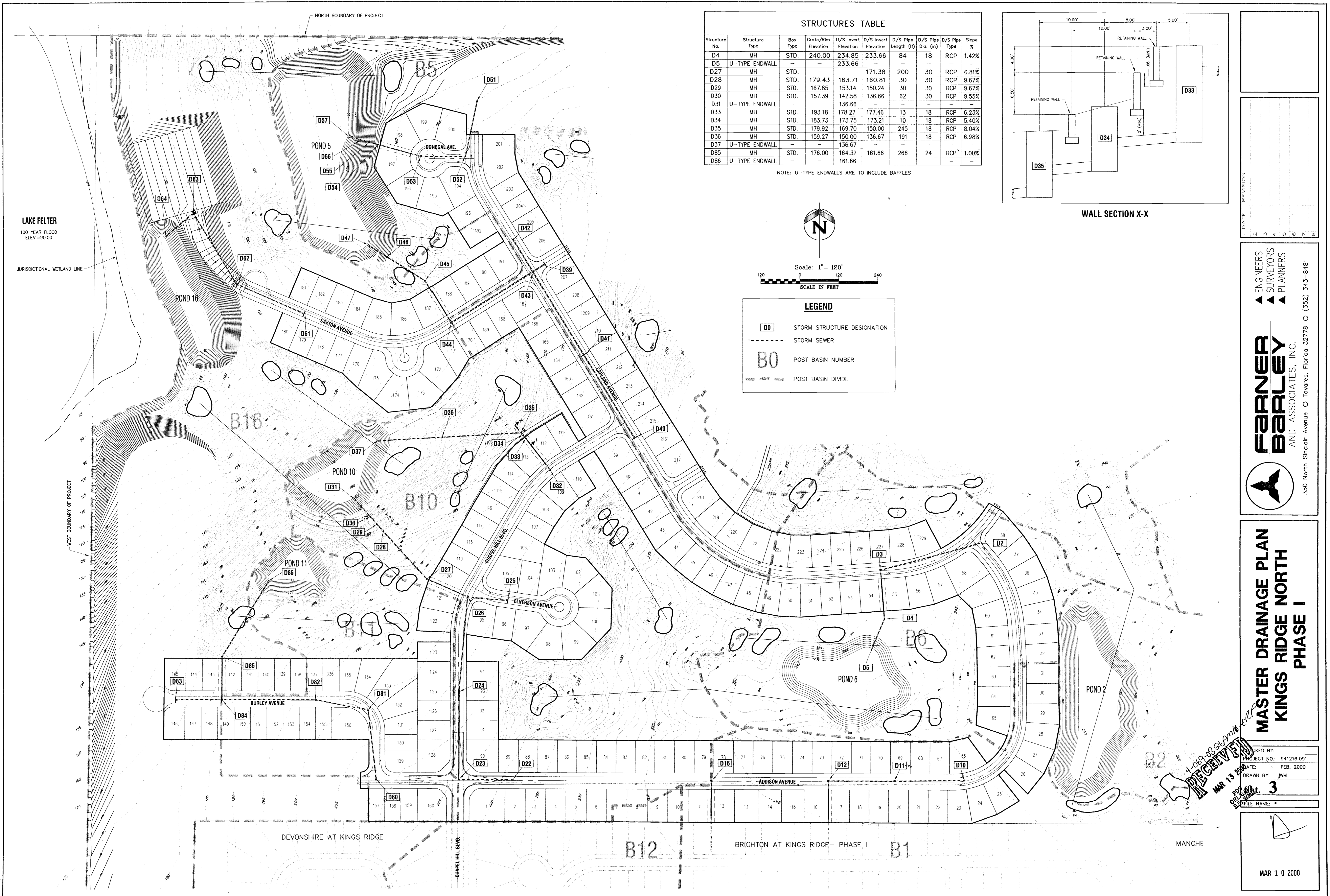
350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

**OFFSITE UTILITY PLAN
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.077
DATE: FEB. 2000
DRAWN BY: JWM
Sht. 28
FILE NAME: *

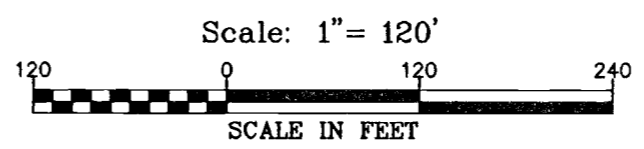
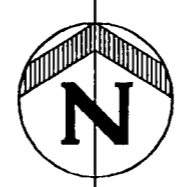
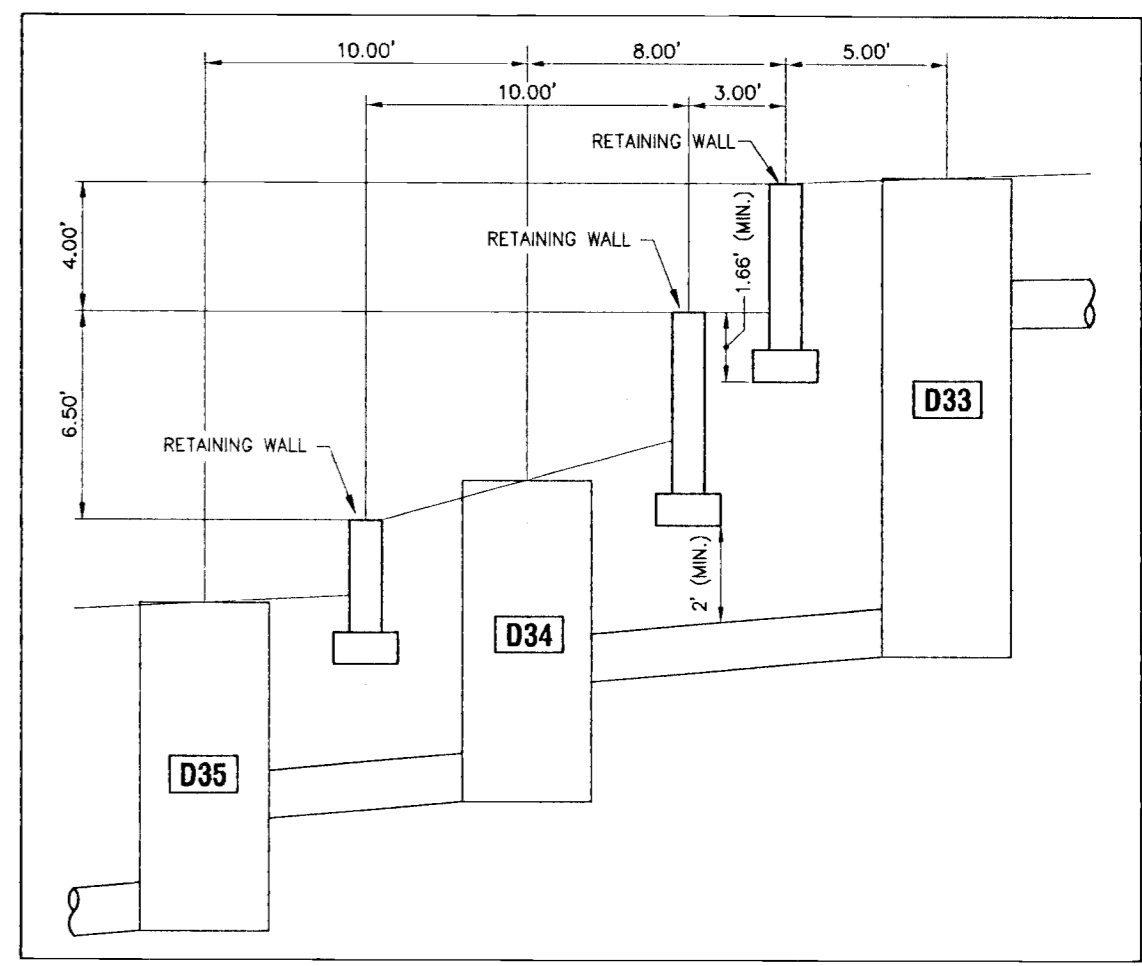
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MAR 13 2000
4-069-0528-077-28P
PUG
CR. 1000
J.E. WARD

MAR 10 2000



Structure No.	Structure Type	Box Type	Grate/Rim Elevation	U/S Invert Elevation	D/S Invert Elevation	D/S Pipe Length (ft)	D/S Pipe Dia. (in)	D/S Pipe Type	Slope %
D4	MH	STD.	240.00	234.85	233.66	84	18	RCP	1.42%
D5	U-TYPE ENDWALL	-	-	233.66	-	-	-	-	-
D27	MH	STD.	-	-	171.38	200	30	RCP	6.81%
D28	MH	STD.	179.43	163.71	160.81	30	30	RCP	9.67%
D29	MH	STD.	167.85	153.14	150.24	30	30	RCP	9.67%
D30	MH	STD.	157.39	142.58	136.66	62	30	RCP	9.55%
D31	U-TYPE ENDWALL	-	-	136.66	-	-	-	-	-
D33	MH	STD.	193.18	178.27	177.46	13	18	RCP	6.23%
D34	MH	STD.	183.73	173.75	173.21	10	18	RCP	5.40%
D35	MH	STD.	179.92	169.70	150.00	245	18	RCP	8.04%
D36	MH	STD.	159.27	150.00	136.67	191	18	RCP	6.98%
D37	U-TYPE ENDWALL	-	-	136.67	-	-	-	-	-
D85	MH	STD.	176.00	164.32	161.66	266	24	RCP	1.00%
D86	U-TYPE ENDWALL	-	-	161.66	-	-	-	-	-

NOTE: U-TYPE ENDWALLS ARE TO INCLUDE BAFFLES



LEGEND	
D0	STORM STRUCTURE DESIGNATION
- - -	STORM SEWER
B0	POST BASIN NUMBER
- - -	POST BASIN DIVIDE

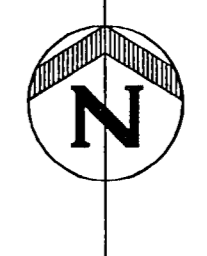
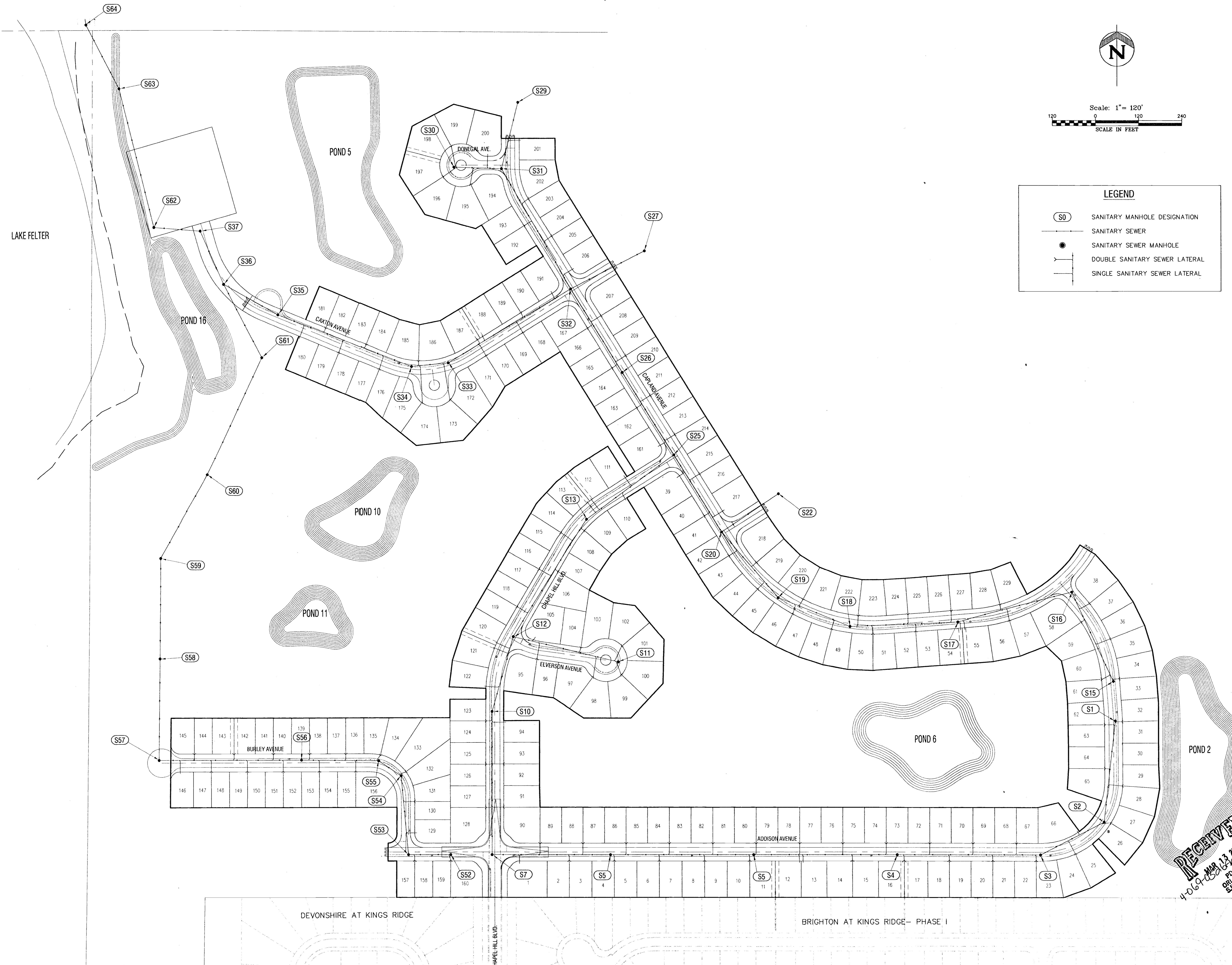
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BARLEY**
AND ASSOCIATES, INC.

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**MASTER DRAINAGE PLAN
KINGS RIDGE NORTH
PHASE I**

4-049-03247-0111
RECEIVED
MAR 13 2000
DRAWN BY: JMM
DATE: FEB. 2000
PROJECT NO.: 941216.091
CHECKED BY: JMM
DATE: FEB. 2000
FILE NAME: *



Scale: 1" = 120'
 SCALE IN FEET

LEGEND

- (S0) SANITARY MANHOLE DESIGNATION
- SANITARY SEWER
- SANITARY SEWER MANHOLE
- +— DOUBLE SANITARY SEWER LATERAL
- + SINGLE SANITARY SEWER LATERAL

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**MASTER SANITARY PLAN
 KINGS RIDGE NORTH
 PHASE I**

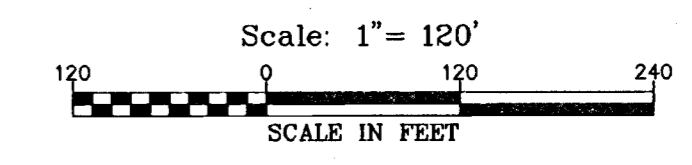
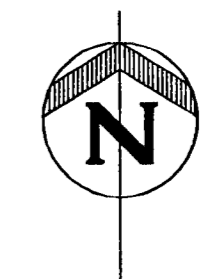
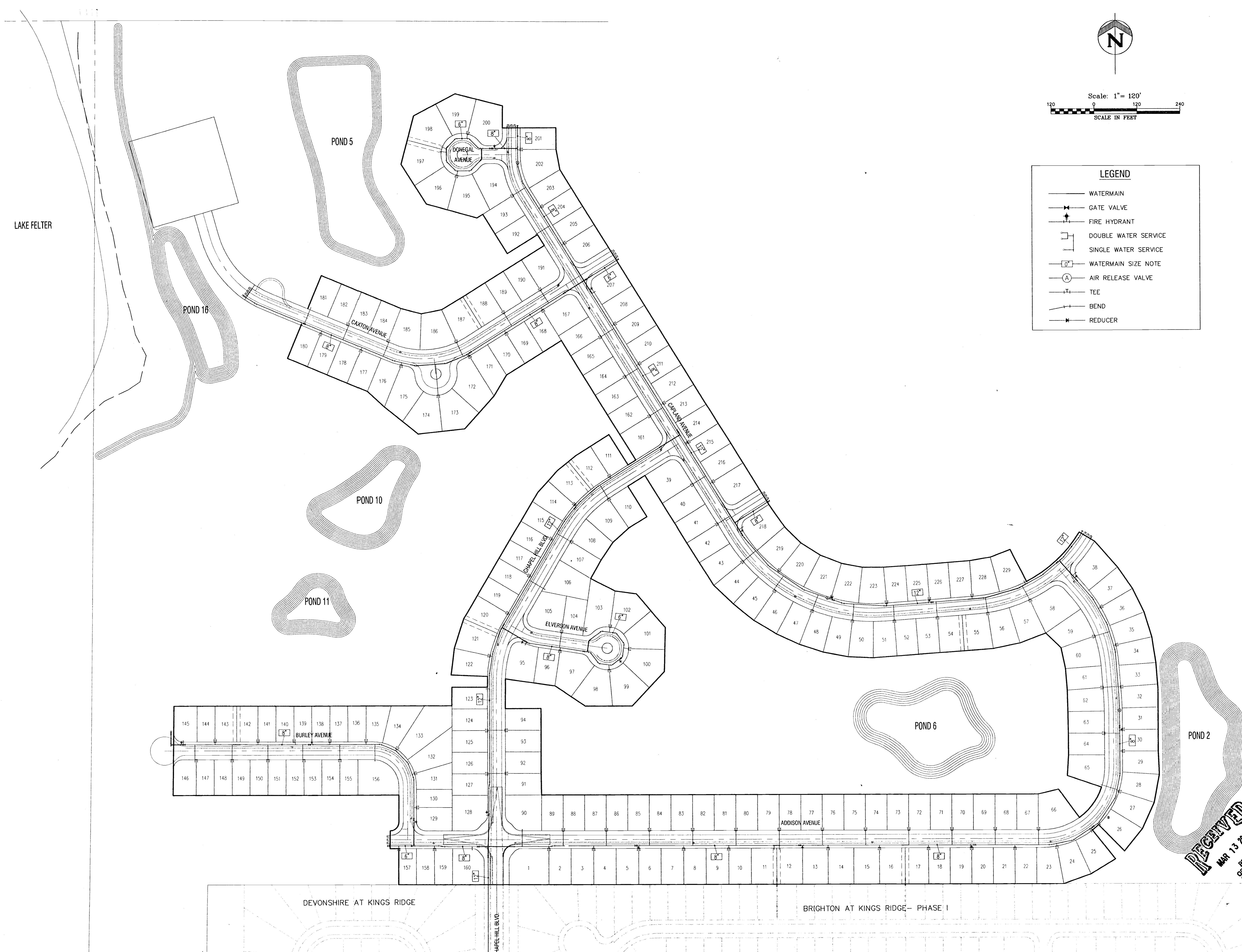
CHECKED BY:
 PROJECT NO.: 941216.091
 DATE: FEB. 2000
 DRAWN BY: JMM

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FILE NAME: *

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 MAR 13 2000
 P.O. BOX 1710
 EOR TAVARES

MAR 1 0 2000



LEGEND

- WATERMAIN
- +— GATE VALVE
- +— FIRE HYDRANT
- +— DOUBLE WATER SERVICE
- +— SINGLE WATER SERVICE
- +— WATERMAIN SIZE NOTE
- +— AIR RELEASE VALVE
- +— TEE
- +— BEND
- +— REDUCER

1	DATE	REVISION
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BARBLEY**
AND ASSOCIATES, INC.

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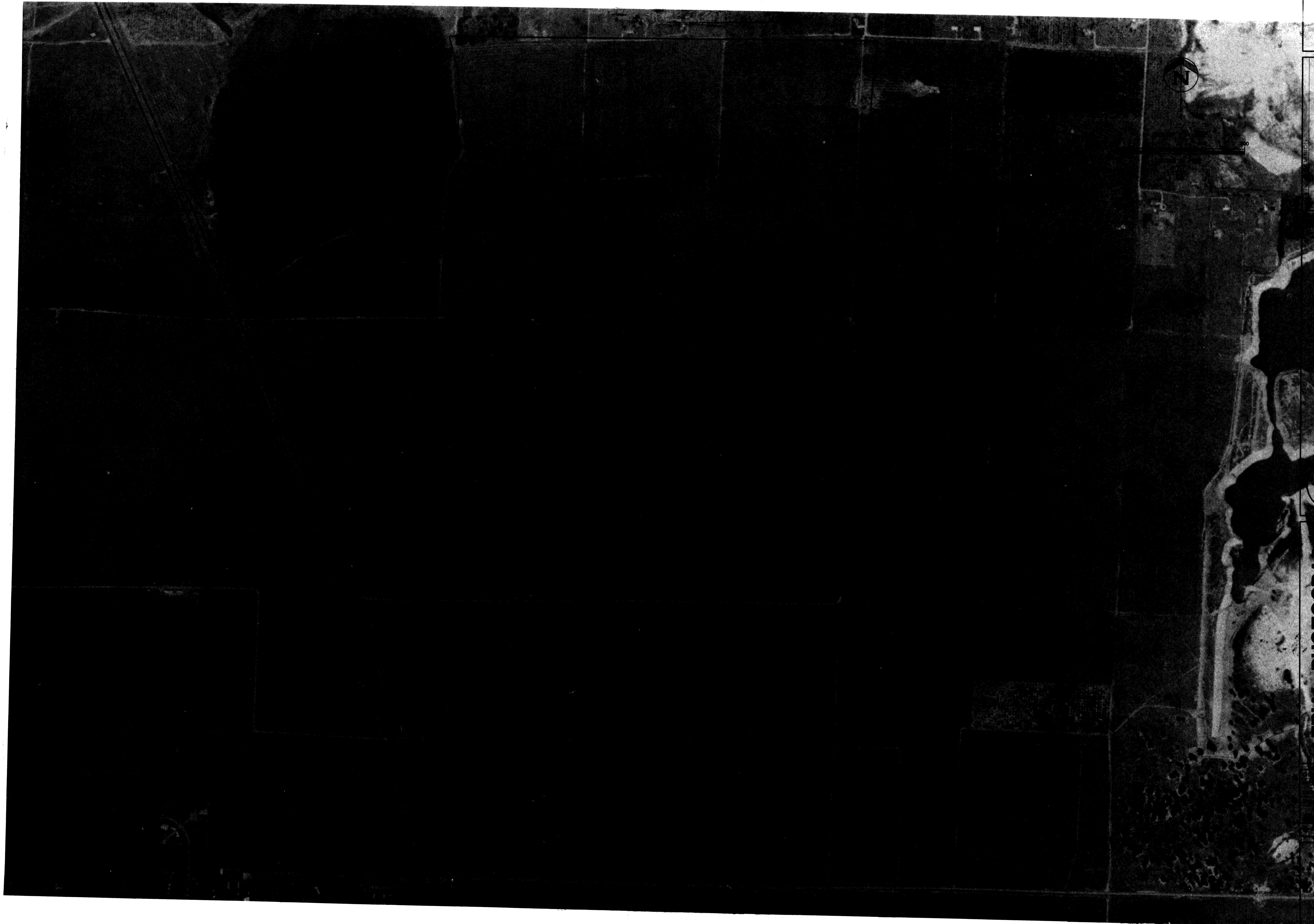
**MASTER WATER
DISTRIBUTION PLAN
KINGS RIDGE NORTH
PHASE I**

CHECKED BY:
PROJECT NO.: 941216.091
DATE: FEB. 2000
DRAWN BY: JWM

Sht. 5

DATE: MAR 13 2000

MAR 10 2000



**AERIAL PHOTOGRAPH
KINGS RIDGE NORTH
PHASE I**

DATE: MAR 13 2000
 BY: JWM
 FEB 20 2000
 OCT 10 2000
 FEB 10 2000

[Signature]

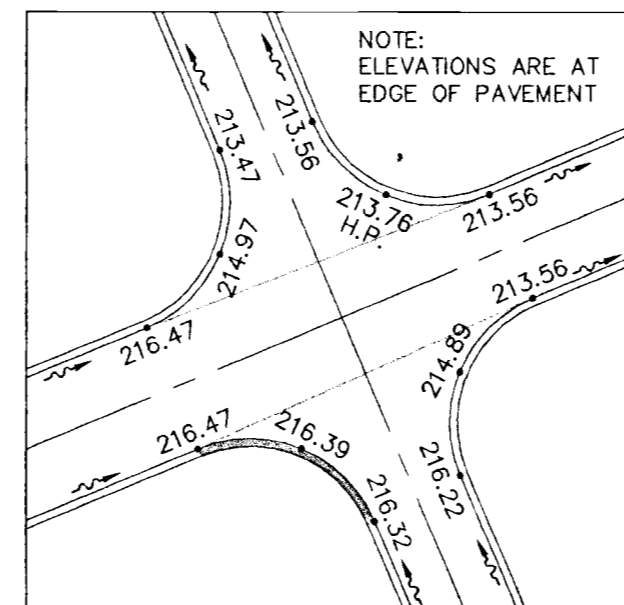
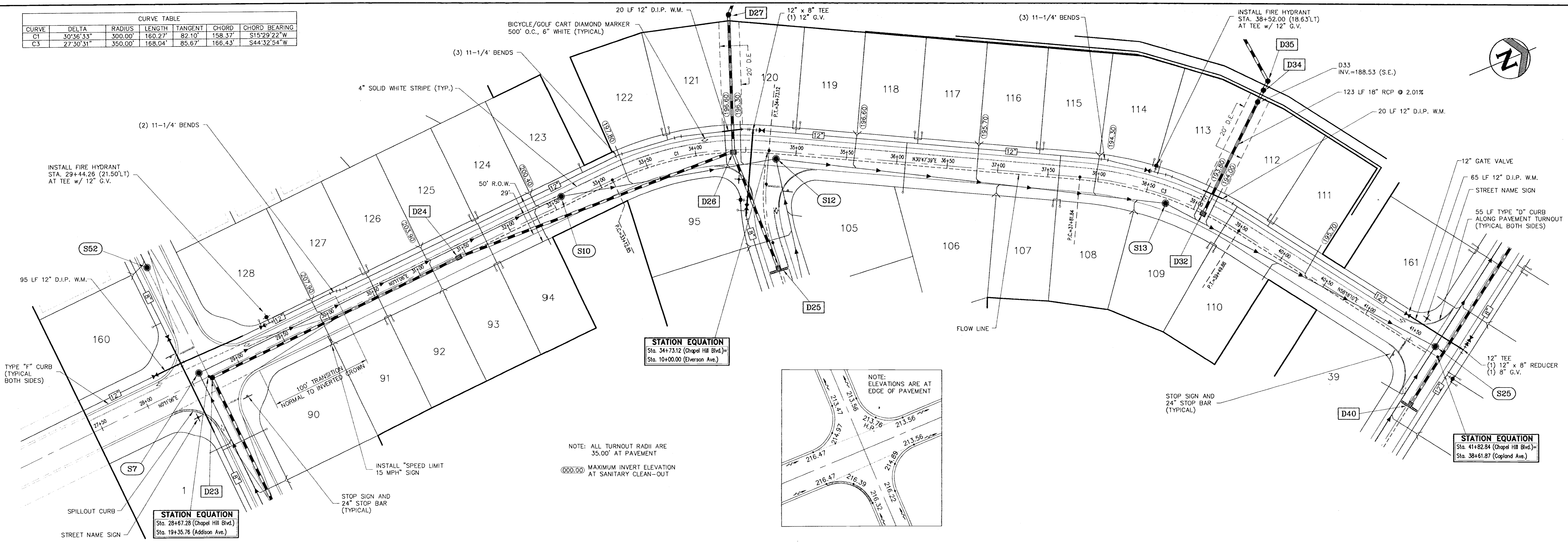
MAR 1 0 2000

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BARLEY
 AND ASSOCIATES, INC.
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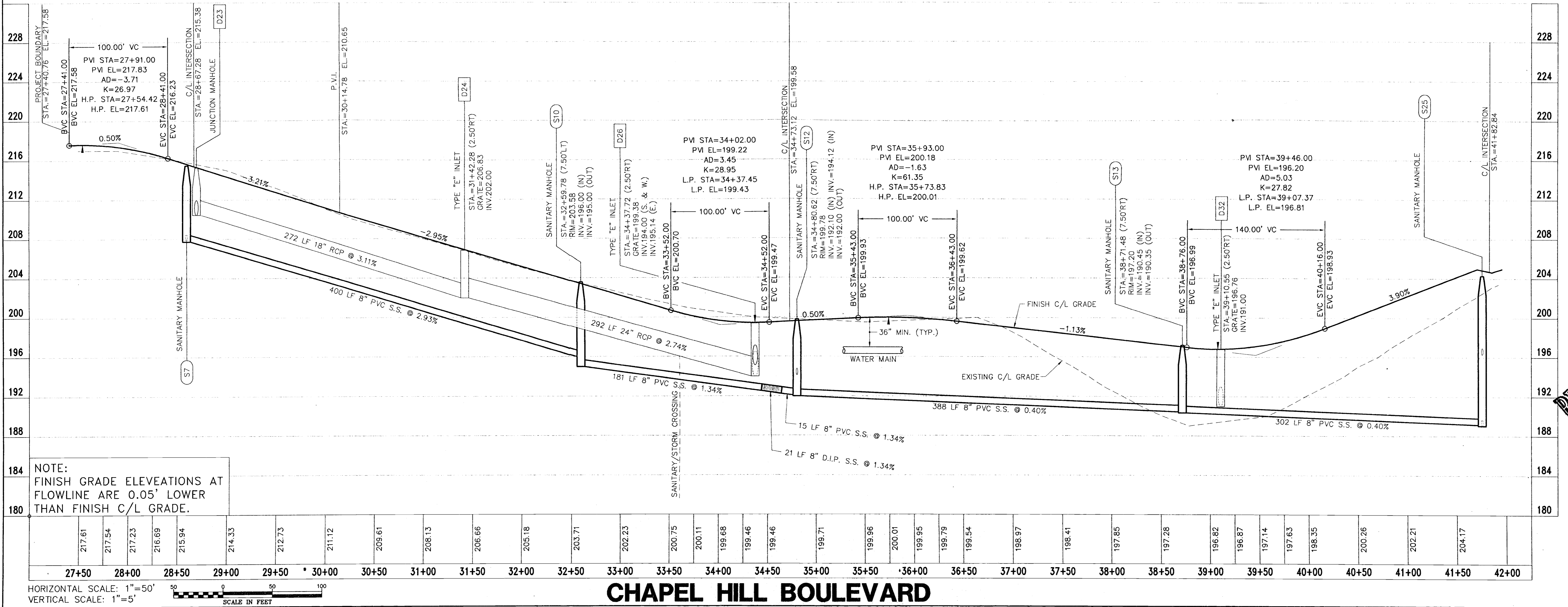
350 North Sinclair Avenue O Tavares, Florida 32778 O (352) 343-8481

PROJECT NO.	
SHEET NO.	
TITLE	
DATE	
BY	
CHECKED	
DATE	

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING
C1	30°36'33"	300.00'	160.27'	82.10'	158.37'	S15°29'22"W
C3	27°50'51"	350.00'	168.04'	85.67'	166.43'	S44°32'54"W



NOTE: ALL TURNOUT RADII ARE 35.00' AT PAVEMENT
 MAXIMUM INVERT ELEVATION AT SANITARY CLEAN-OUT
 0000.00



NOTE:
 FINISH GRADE ELEVATIONS AT
 FLOWLINE ARE 0.05' LOWER
 THAN FINISH C/L GRADE.

HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=5'
 SCALE IN FEET

CHAPEL HILL BOULEVARD

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**PLAN AND PROFILE
 CHAPEL HILL RIDGE NORTH
 PHASE I**

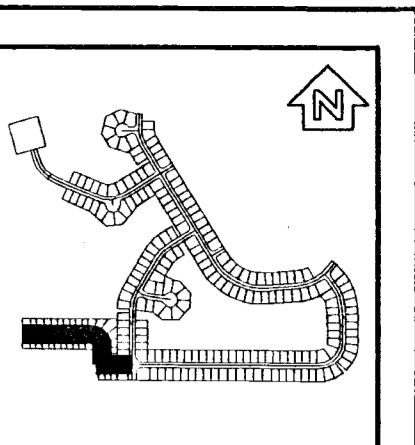
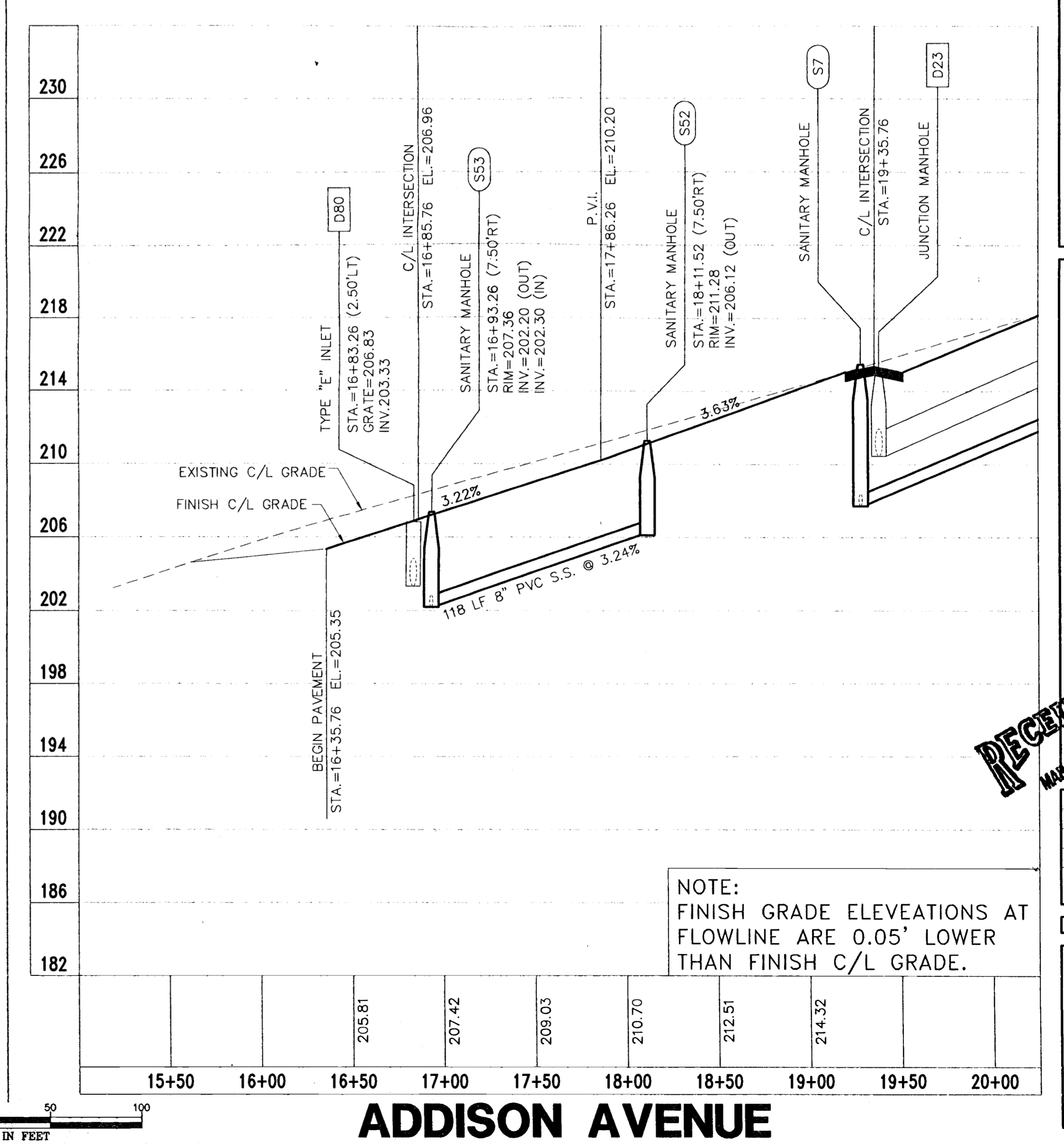
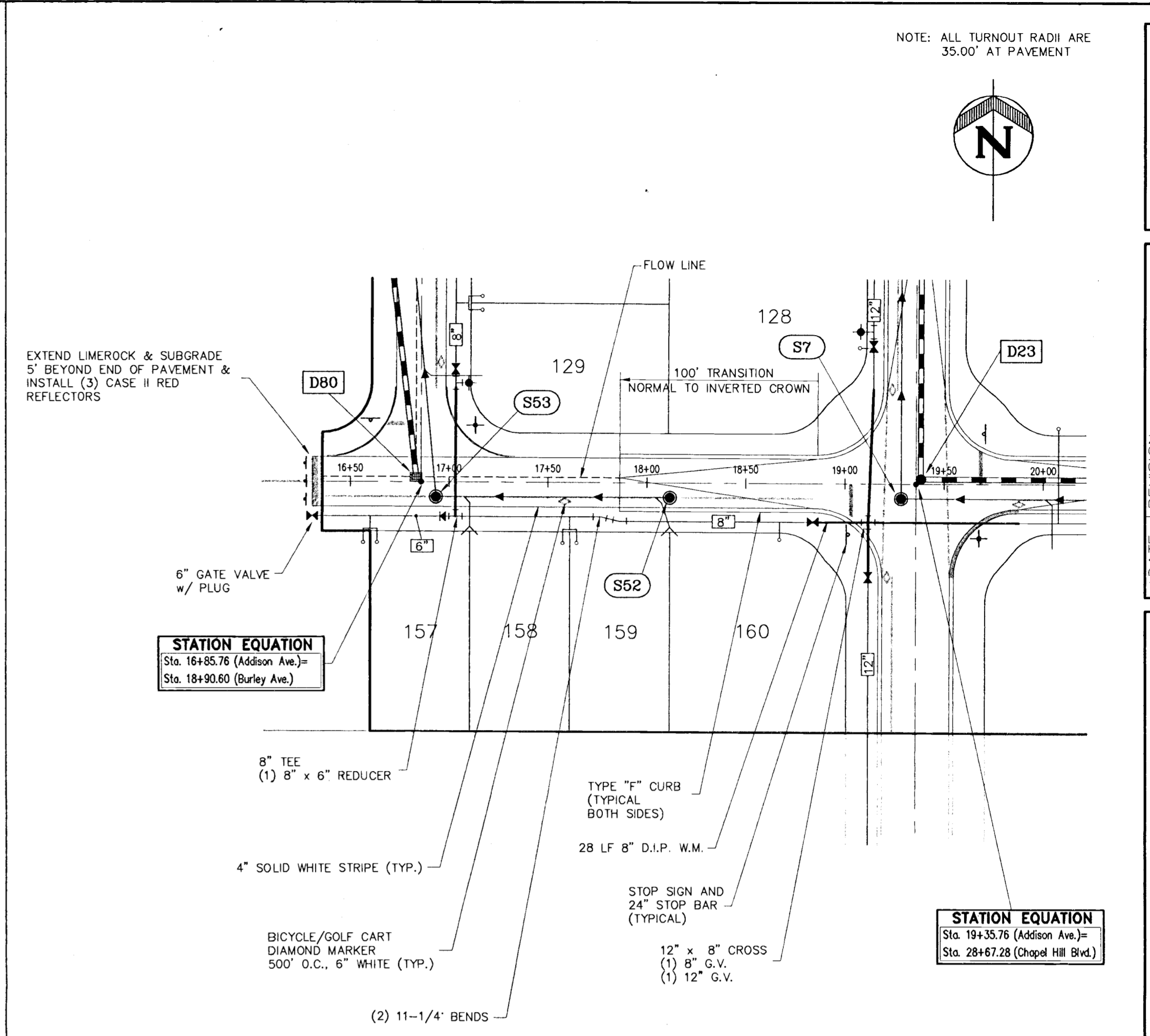
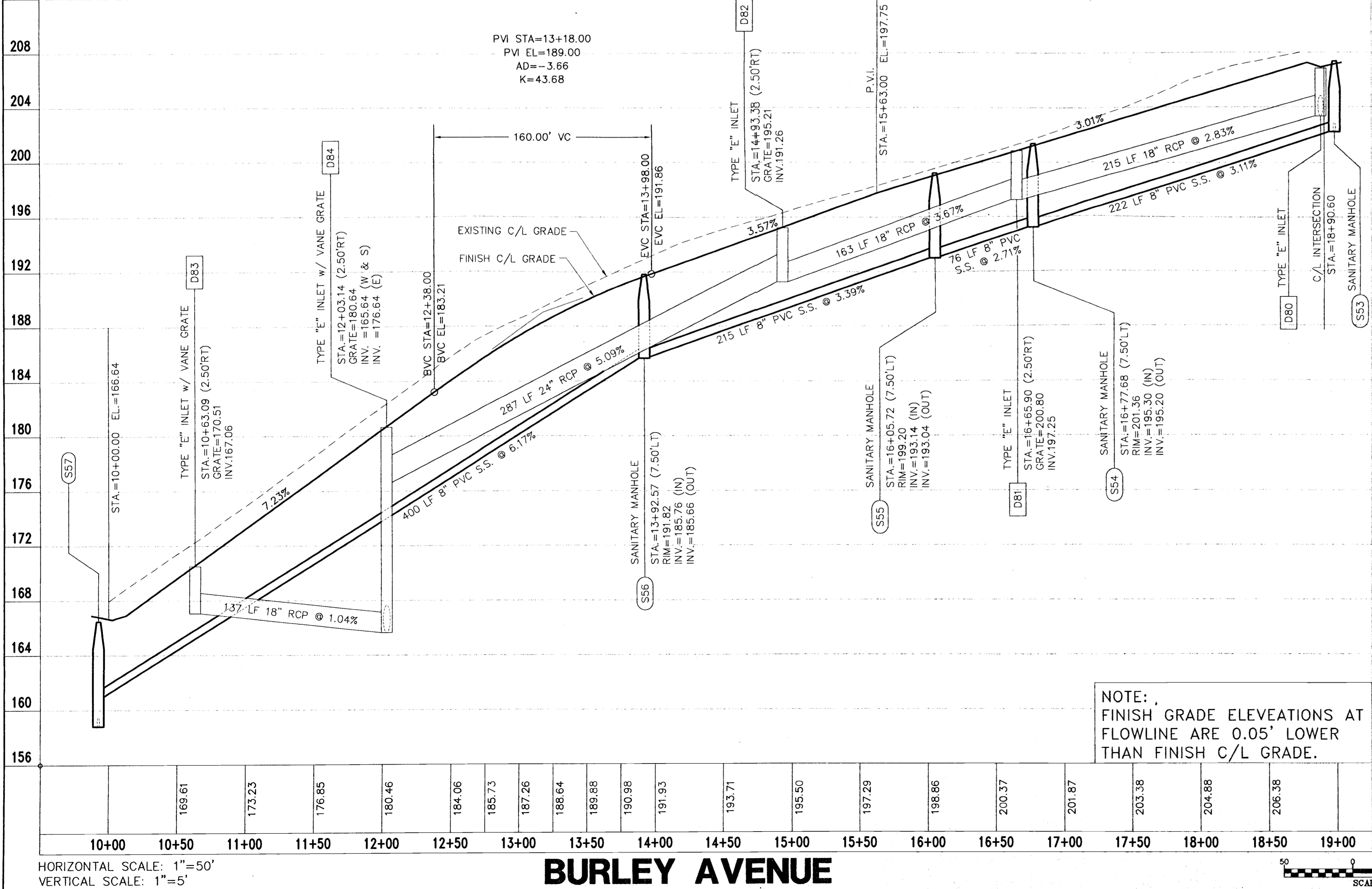
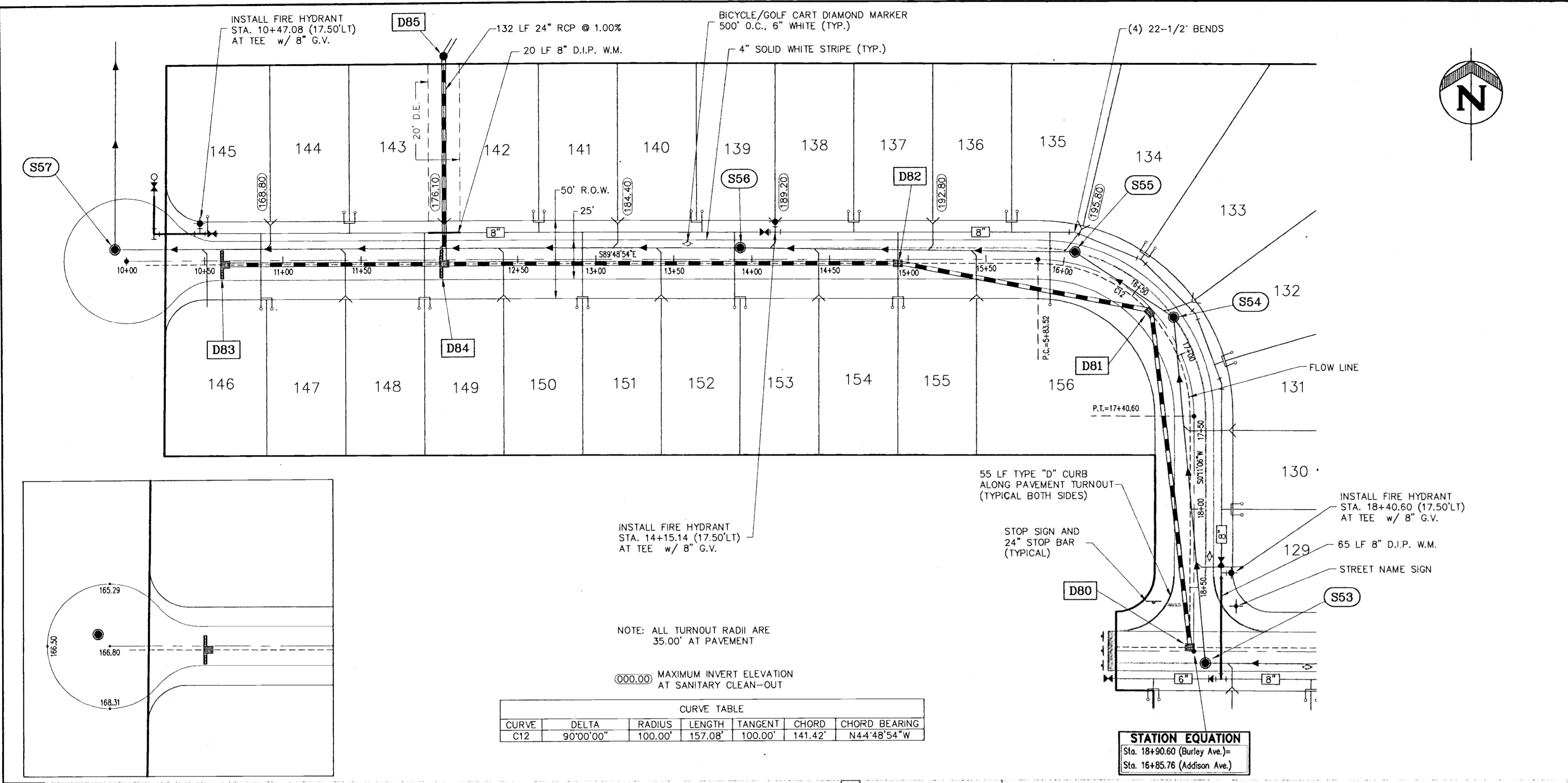
DEC 13 2000
 MAR 13 2000

CHECKED BY: JMM
 PROJECT NO.: 02-1216.091
 DATE: FEB. 2000
 DRAWN BY: JMM

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FILE NAME: *

MAR 10 2000



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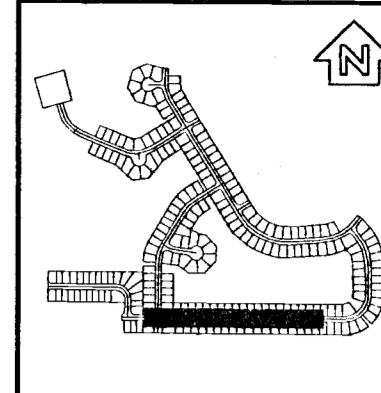
**PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I**

RECEIVED
MAR 13 2000

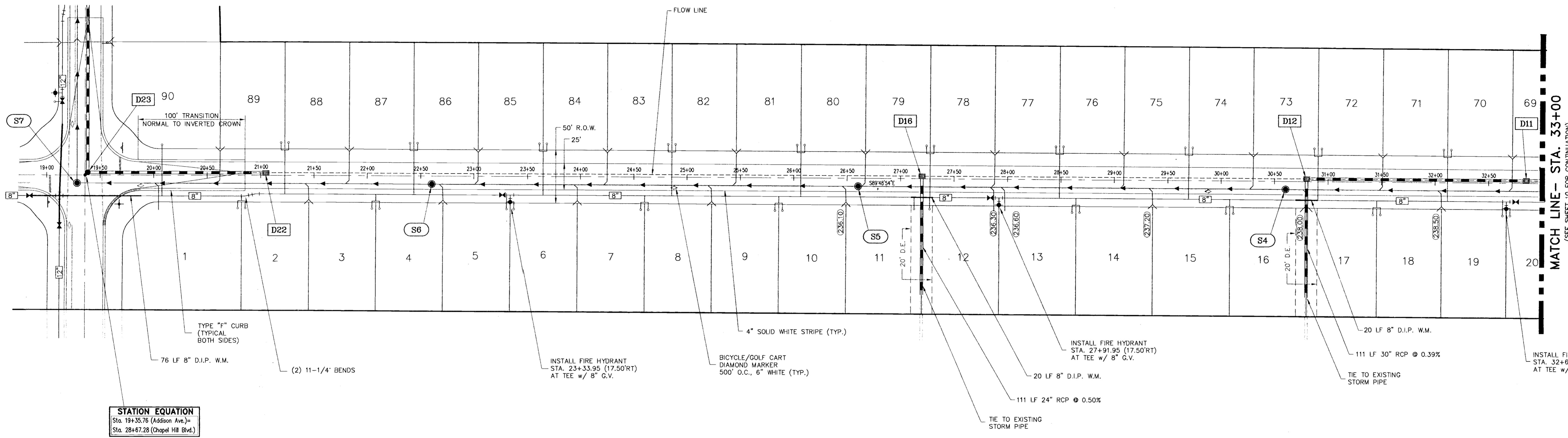
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DATE: FEB. 2000
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FILE NAME: *

MAR 1 0 2000

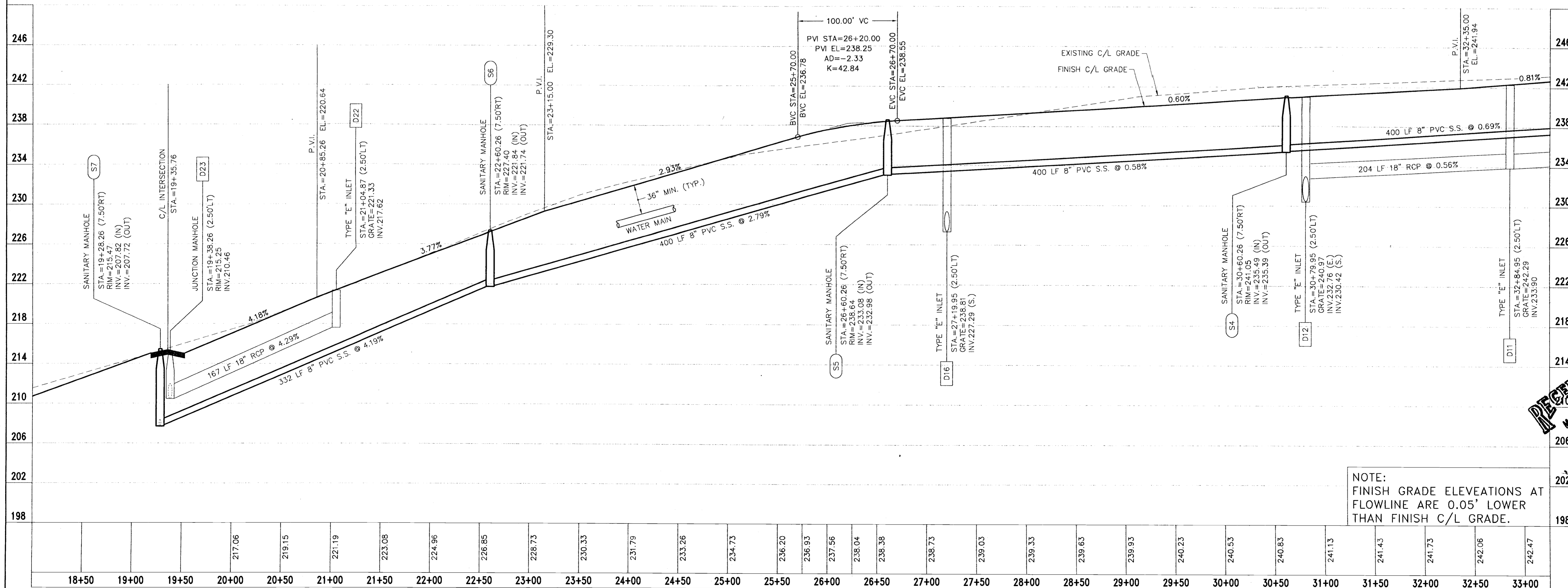
NOTE: ALL TURNOUT RADI ARE
35.00' AT PAVEMENT
0000.00 MAXIMUM INVERT ELEVATION
AT SANITARY CLEAN-OUT



DATE	REVISION



STATION EQUATION
Sta. 19+35.76 (Addison Ave.) =
Sta. 28+67.28 (Chapel Hill Blvd.)



HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'
SCALE IN FEET

ADDISON AVENUE

ENGINEERS
SURVEYORS
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FARBER
BARLEY
AND ASSOCIATES, INC.

350 North Sinclair Avenue
Tallahassee, Florida 32378
Phone: (904) 343-8481

PLAN AND PROFILE
KINGS RIDGE NORTH
PHASE I

DATE: FEB. 2000
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