

COLBERT PARK PATHWAY IMPROVEMENTS

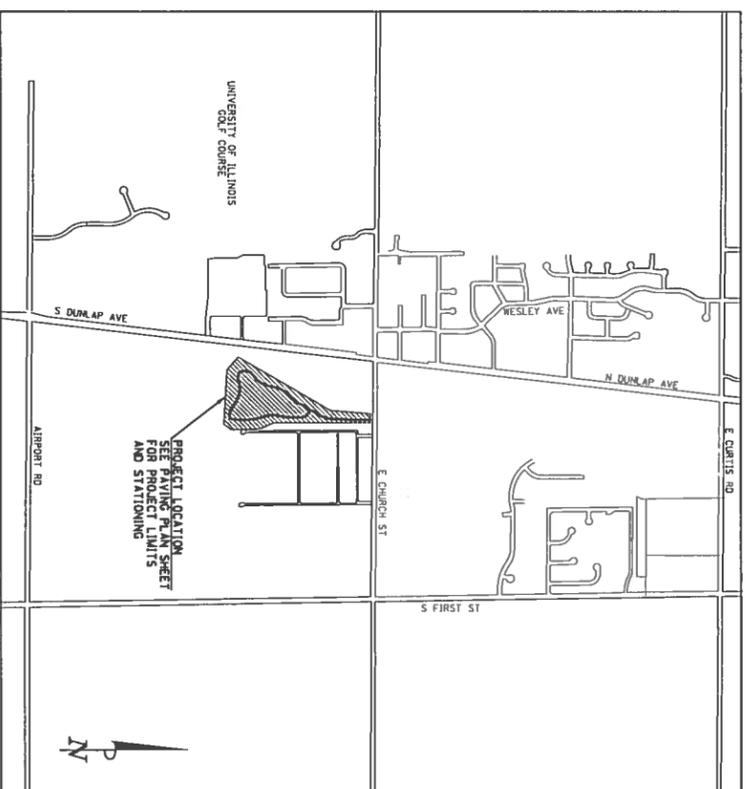
CHAMPAIGN COUNTY, ILLINOIS

INDEX OF SHEETS

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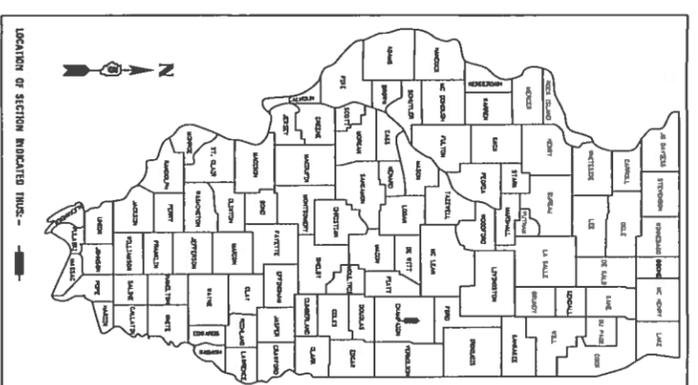
ILLINOIS HIGHWAY STANDARD DRAWINGS

STANDARD NO.	DESCRIPTION
000001-07	STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701006-05	OFF-ROAD OPERATIONS, 24", 24", 15" (4.5m) TO 24" (6.00mm) FROM PAVEMENT EDGE
701001-04	LANE CLOSURE, 24", 24", SHORT TIME OPERATIONS
701001-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701001-08	TRAFFIC CONTROL DEVICES

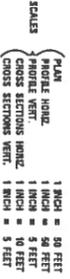


LOCATION MAP
SCALE: 1" = 2000'

TOTAL LENGTH OF PATHWAY IMPROVEMENTS = 4,296.17 FEET = 0.814 MILES



LOCATION OF SECTION INDICATED THIS SHEET



PLAN SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0173 OR 811

APPROVED _____
VILLAGE OF SAVOY

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
DATE _____
LICENSE EXPIRES 11-30-19



DRAWING TITLE
COVER SHEET

PROJECT TITLE
**VILLAGE OF SAVOY, ILLINOIS
COLBERT PARK
PATHWAY IMPROVEMENTS**



PROJECT NO.
S0220070
DRAWING NO.
01
SHEET 1 OF 18 SHEETS

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	200
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	200
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	200
23100115	MULCH, METHOD 2	ACRE	2.2
28000250	TEMPORARY EROSION CONTROL SEEDING	FOOT	220
28000400	PERIMETER EROSION BARRIER	FOOT	3,185
28000500	INLET AND PIPE PROTECTION	EACH	3
42001300	PROTECTIVE COAT	SQ YD	4,983
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	44,845
44000600	SIDEWALK REMOVAL	SQ FT	63
60101105	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	586
67100100	MOBILIZATION	L SQW	1
X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	2.2
X7100216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SQW	1
Z0013798	CONSTRUCTION LAYOUT	L SQW	1
X1000781	PLACEMENT OF SALVAGED BASE MATERIAL	SQ YD	4,983
001	EXCAVATION (SPECIAL)	L SQW	1

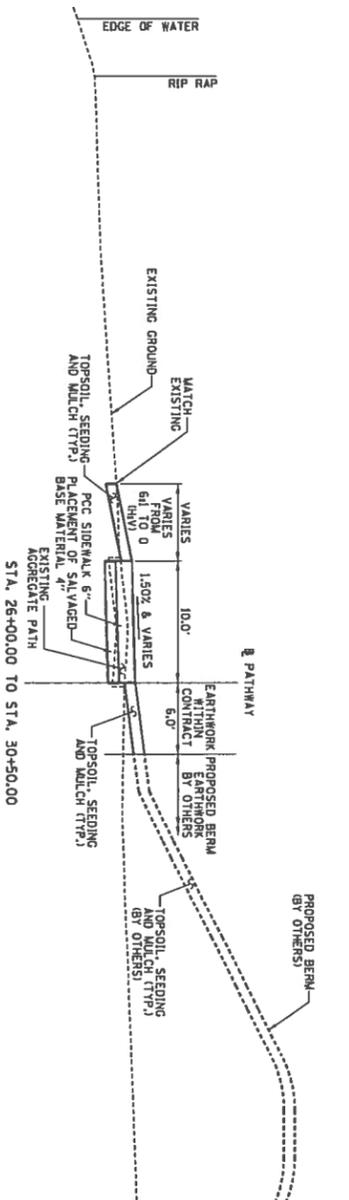
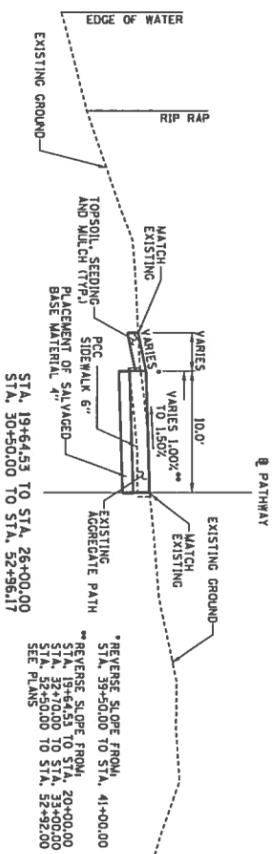
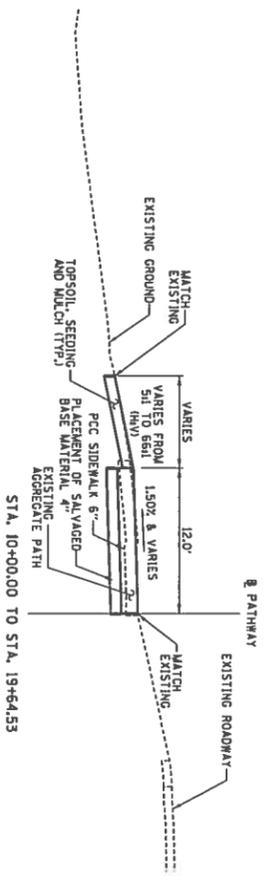
*SEE SPECIAL PROVISIONS

DOI EXCAVATION (SPECIAL) SUMMARY			
ITEM	UNIT	QUANTITY	
EXCAVATION	CU YD	138	
EMBANKMENT	CU YD	205	

BERM EARTHWORK (BY OTHERS) FURNISHED EXCAVATION			
ITEM	UNIT	QUANTITY	
EXCAVATION	CU YD	491	

NOTES:
 1. EXCAVATION (SPECIAL) INCLUDES THE ITEMS LISTED ABOVE. THESE ARE PROVIDED FOR INFORMATION ONLY AND WILL NOT BE PAID FOR SEPARATELY.
 2. SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION.

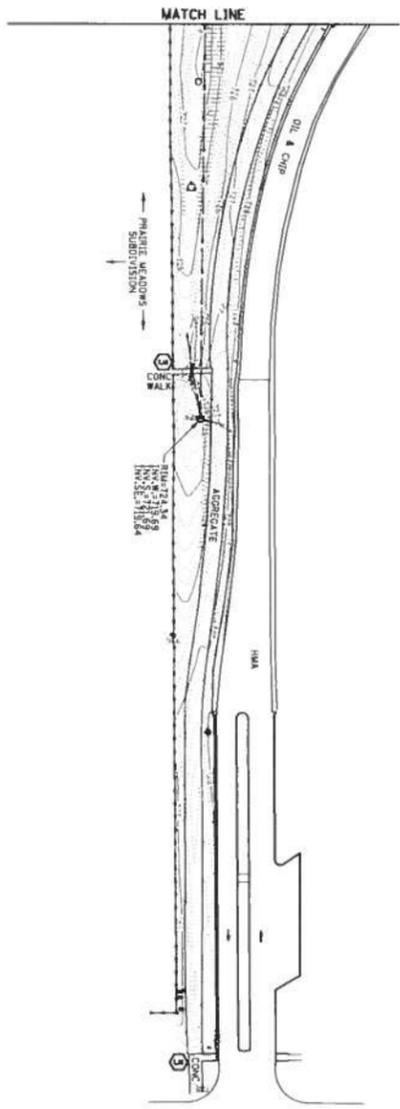
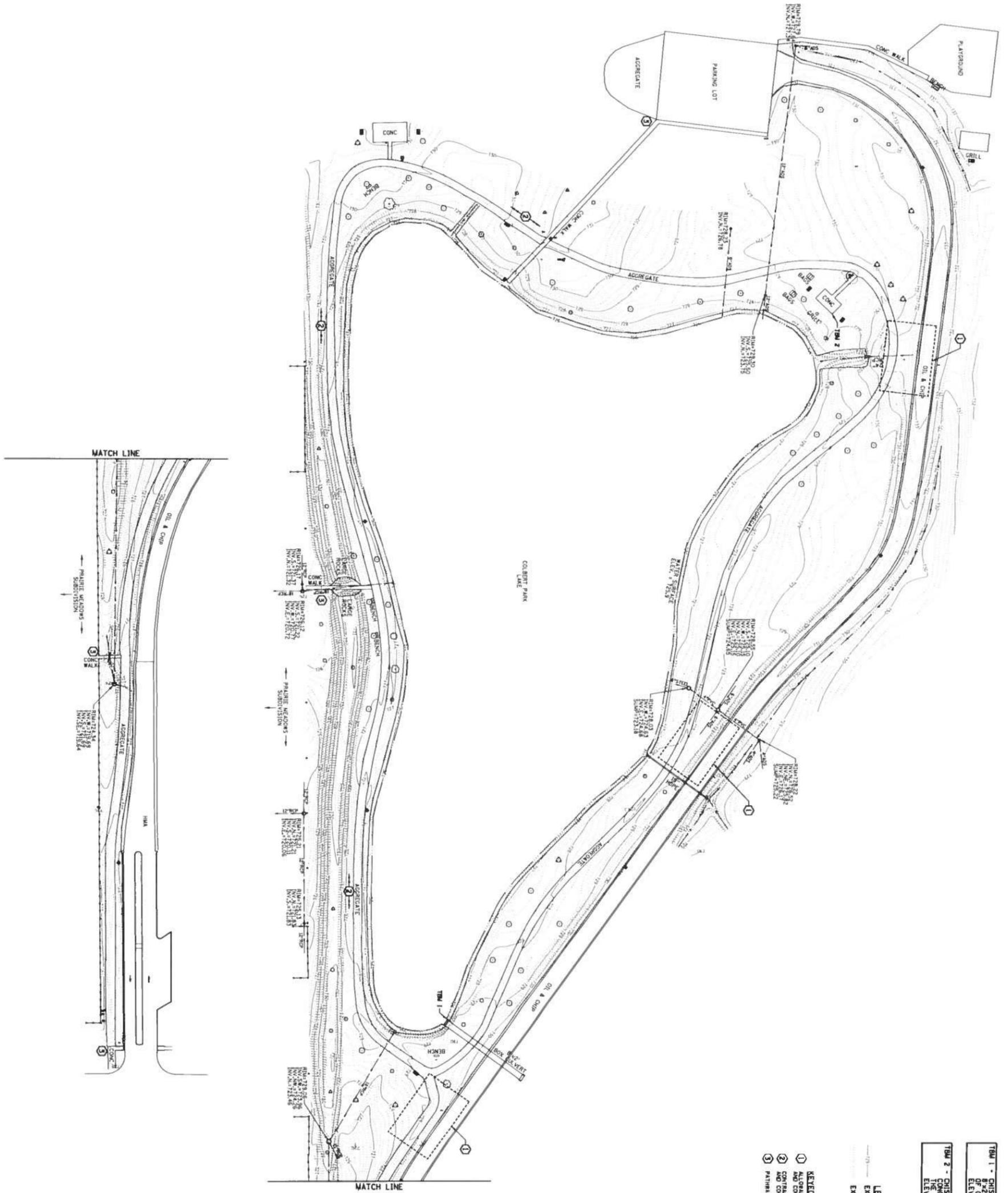
TYPICAL SECTIONS



DRAWING TITLE
 SUMMARY OF QUANTITIES,
 SCHEDULE OF QUANTITIES,
 AND TYPICAL SECTIONS

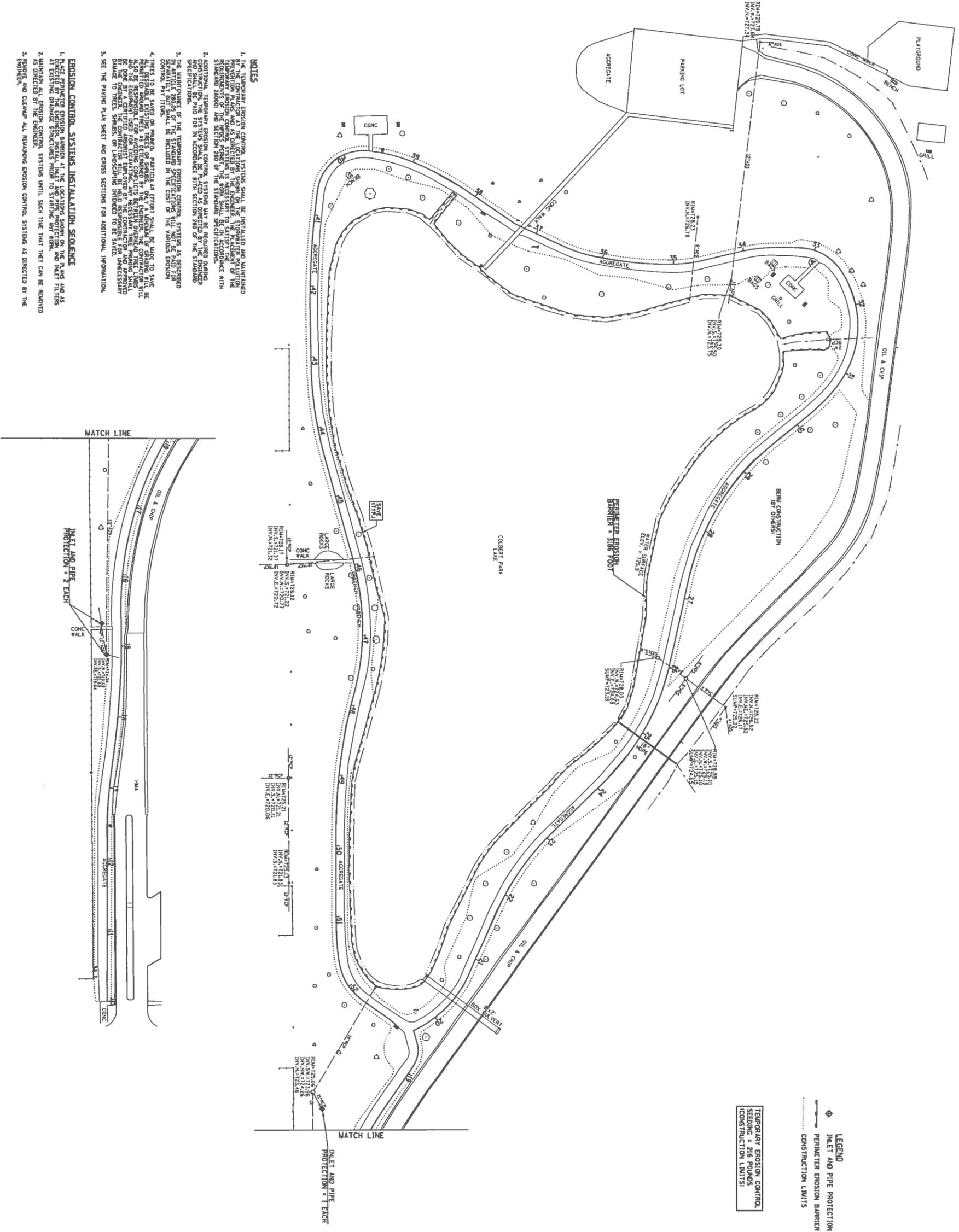
PROJECT TITLE
 VILLAGE OF SAVOY, ILLINOIS
 COLBERT PARK
 PATHWAY IMPROVEMENTS





- KEYED NOTES, THIS SHEET**
- ① ALLOWABLE ACCESS POINT BETWEEN MONUMENT AND CONSTRUCTION AREA
 - ② CONSTRUCTION ACCESS LIMITED TO PATHWAY AND CONSTRUCTION LIMITS ONLY
 - ③ PATHWAY ACCESS CLOSED WITH STORAGE
- LEGEND**
- 0.2' — EXISTING ONE FOOT CONTOUR
 - 0.2' — EXISTING 0.2 FOOT CONTOUR
- TEAM 1 - CHISELED** □ AT SE CORNER OF 8'x2' BOX CLAYPIT AT THE NW CORNER ELEV. 728.32
- TEAM 2 - CHISELED** □ AT NW CORNER OF CONCRETE PAD FOR PICNIC AREA AT CORNER OF COLBERT PARK LAKE ELEV. 728.13

<p>PROJECT NO. S0220070</p> <p>DRAWING NO. 04</p> <p>SHEET 4 OF 18 SHEETS</p>	<p>DRAWING TITLE</p> <p>EXISTING TOPOGRAPHY AND CONTOURS</p>	<p>PROJECT TITLE</p> <p>VILLAGE OF SAVOY, ILLINOIS COLBERT PARK PATHWAY IMPROVEMENTS</p>		<p>611 N. DUNLAP AVENUE SAVOY, IL 62474 PHONE: 217.258.5654 www.savoy-illinois.com</p>	<p>DESIGN FIRM REGISTRATION NO. 184-00430</p> <p>125 WEST CHURCH STREET CHAMPAIGN, IL 61820 PHONE: 217.370.3000 www.clarkdietz.com</p>
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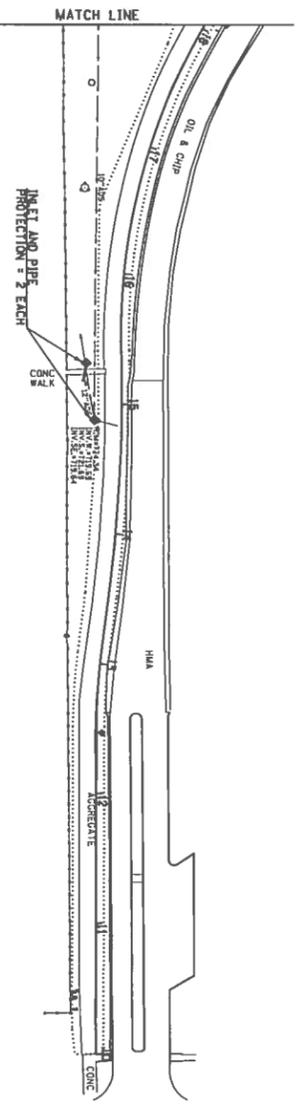
LEGEND

- ◆ INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- CONSTRUCTION LIMITS
- TEMPORARY EROSION CONTROL SEEDING = 216 POUNDS (CONSTRUCTION LIMITS)

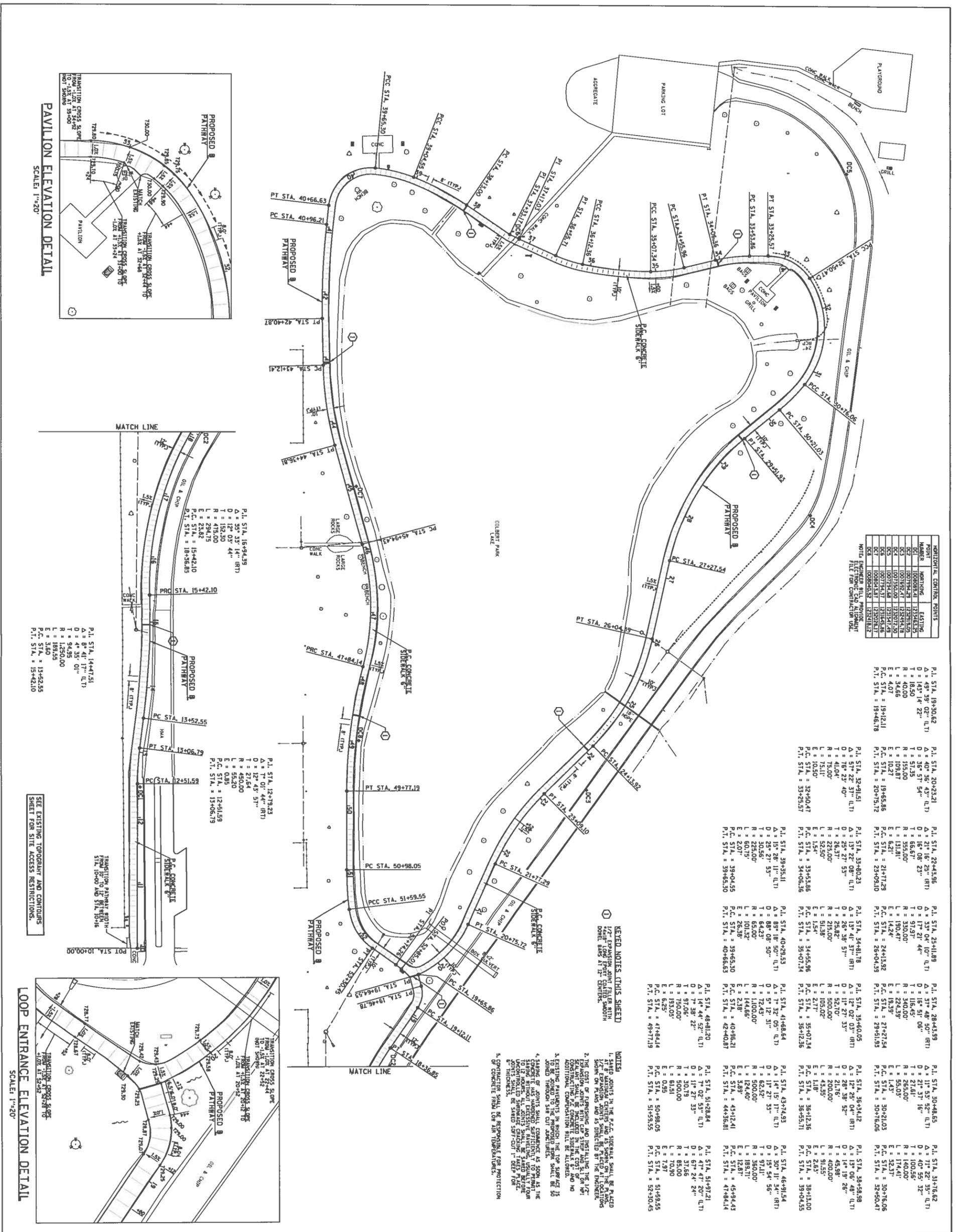
- NOTES**
1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN, AND AS DIRECTED BY THE ENGINEER. THE PLACEMENT OF THE PERIMETER EROSION BARRIERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORKS PERMIT. THE WORK SHALL BE IN ACCORDANCE WITH STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
 2. ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS MAY BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND INSTALLING SUCH SYSTEMS AND SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
 3. THE MAINTENANCE OF THE TEMPORARY EROSION CONTROL SYSTEMS AS DESCRIBED SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.
 4. TREES TO BE SAVED OR PRUNED. PARTICULAR EFFORT SHALL BE MADE TO SAVE THE PERMITTED ROADWAY TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR AVOIDING CONTACTS BETWEEN OVERHEAD POWER LINES AND THE PERMITTED ROADWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVED DAMAGE TO TREE STANDS OR LANDSCAPING INTENDED TO BE SAVED.
 5. SET THE PAVING PLAN SHEET AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.

EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE

1. PLACE PERIMETER EROSION BARRIER AT THE LOCATIONS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER. INSTALL INLET AND PIPE PROTECTION AND INLET FILTERS.
2. AS DIRECTED BY THE ENGINEER, INSTALL EROSION CONTROL SYSTEMS UNTIL SUCH TIME THAT THEY CAN BE REMOVED.
3. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.



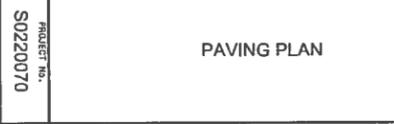
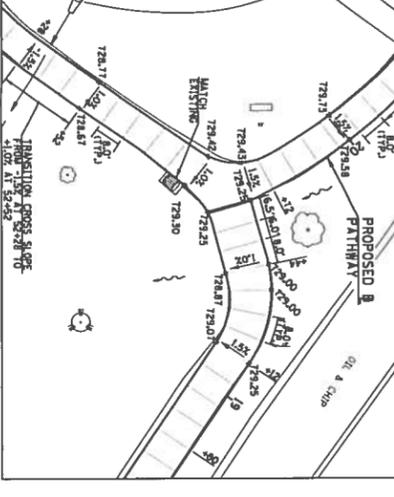
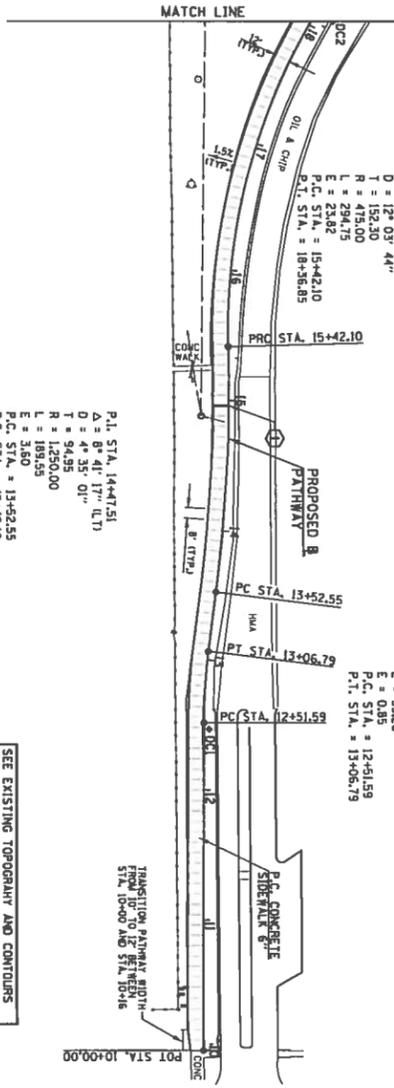
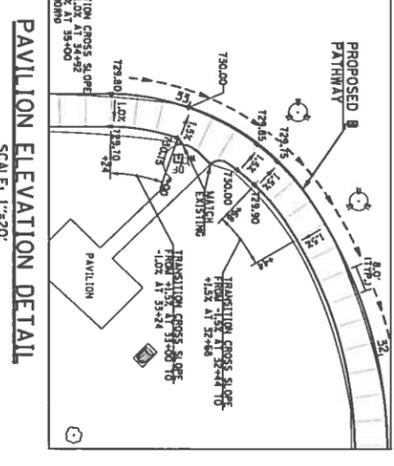
<p>DESIGNED BY: S.J.H. DRAWN BY: S.J.H. CHECKED BY: S.J.H. DATE ORDERED: 8/27/2010</p>	<p>PROJECT TITLE</p> <p>VILLAGE OF SAVOY, ILLINOIS COLBERT PARK PATHWAY IMPROVEMENTS</p>	<p>GRAPHIC SCALE</p> <p>1" = 50'</p> <p>1" = 100'</p>	<p>611 N. DUNLAP AVENUE SAVOY, IL 61874 PHONE: 217.238.5862 www.savoy-il.gov</p> <p>DESIGN FIRM REGISTRATION No. 184-004450</p> <p>178 WEST CHURCH STREET CHAMPAIGN, IL 61820 PHONE: 217.237.8300 www.clarkdietz.com</p>
<p>DRAWING TITLE</p> <p>STORMWATER POLLUTION PREVENTION PLAN</p>	<p>PROJECT NO. S0220070</p> <p>DRAWING NO. 05</p> <p>SHEET 4 OF 18 SHEETS</p>		



NOTE: ENGINEER SHALL PROVIDE ELECTRONIC CAD ALIGNMENT FILE FOR CONSTRUCTION.

HORIZONTAL CONTROL POINTS	POINT NUMBER	COORDINATES
1	1000794.28	123211.00
2	1000794.28	123211.00
3	1000794.28	123211.00
4	1000794.28	123211.00
5	1000794.28	123211.00
6	1000794.28	123211.00
7	1000794.28	123211.00
8	1000794.28	123211.00
9	1000794.28	123211.00
10	1000794.28	123211.00

P.I. STA. 19+30.62	Δ = 49° 39' 02" (L.T)	Δ = 21' 16" 29" (RT)	P.I. STA. 20+23.21	Δ = 40° 35' 43" (L.T)	Δ = 38' 57' 54" (RT)
P.I. STA. 20+23.21	Δ = 143° 14' 22" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 22+43.96	Δ = 21' 16" 29" (RT)	Δ = 17' 21' 44" (L.T)
P.I. STA. 22+43.96	Δ = 35° 33' 14" (RT)	Δ = 16' 08' 23" (RT)	P.I. STA. 23+41.89	Δ = 131° 41' 37" (RT)	Δ = 37' 48' 50" (RT)
P.I. STA. 23+41.89	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 24+11.89	Δ = 89° 08' 50" (L.T)	Δ = 11° 55' 52" (L.T)
P.I. STA. 24+11.89	Δ = 12° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 25+11.89	Δ = 7° 02' 53" (L.T)	Δ = 40° 55' 32" (L.T)
P.I. STA. 25+11.89	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 26+04.99	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 26+04.99	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 27+27.54	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 27+27.54	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 28+43.96	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 28+43.96	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 29+51.99	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 29+51.99	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 30+48.55	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 30+48.55	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 31+76.62	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 31+76.62	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 32+50.47	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 32+50.47	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 33+45.96	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 33+45.96	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 34+41.89	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 34+41.89	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 35+40.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 35+40.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 36+35.11	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 36+35.11	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 37+27.54	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 37+27.54	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 38+13.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 38+13.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 39+07.34	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 39+07.34	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 40+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 40+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 41+12.41	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 41+12.41	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 42+40.87	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 42+40.87	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 43+74.93	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 43+74.93	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 44+68.64	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 44+68.64	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 45+59.55	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 45+59.55	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 46+51.59	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 46+51.59	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 47+43.63	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 47+43.63	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 48+35.67	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 48+35.67	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 49+27.71	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 49+27.71	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 50+19.76	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 50+19.76	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 51+11.80	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 51+11.80	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 52+03.85	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 52+03.85	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 53+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 53+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 54+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 54+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 55+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 55+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 56+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 56+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 57+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 57+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 58+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 58+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 59+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)
P.I. STA. 59+00.00	Δ = 152° 03' 44" (L.T)	Δ = 16' 08' 23" (RT)	P.I. STA. 60+00.00	Δ = 11° 27' 33" (L.T)	Δ = 14° 19' 26" (L.T)



P.I. STA. 16+94.39
 Δ = 35° 33' 14" (RT)
 Δ = 12° 03' 44" (L.T)
 D = 152.00
 R = 152.00
 L = 23.50
 E = 23.50
 P.C. STA. = 15+42.10
 P.T. STA. = 18+35.85

P.I. STA. 14+47.51
 Δ = 8° 41' 17" (L.T)
 Δ = 4° 35' 01" (L.T)
 D = 1250.00
 R = 94.95
 L = 3.00
 E = 3.00
 P.C. STA. = 13+52.55
 P.T. STA. = 15+42.10

P.I. STA. 12+79.23
 Δ = 17° 01' 44" (RT)
 Δ = 27° 43' 57" (L.T)
 D = 450.00
 R = 450.00
 L = 0.85
 E = 0.85
 P.C. STA. = 12+45.19
 P.T. STA. = 13+05.79

P.I. STA. 49+77.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 48+81.20
 Δ = 14° 44' 52" (L.T)
 Δ = 7° 38' 22" (L.T)
 D = 11° 27' 33" (L.T)
 T = 30.79
 R = 750.00
 L = 81.51
 E = 0.95
 P.C. STA. = 47+84.14
 P.T. STA. = 49+77.19

P.I. STA. 51+97.21
 Δ = 47° 47' 20" (L.T)
 Δ = 67° 24' 24" (L.T)
 D = 57.66
 R = 85.00
 L = 70.90
 E = 7.97
 P.C. STA. = 51+59.55
 P.T. STA. = 52+30.45

P.I. STA. 35+40.00
 Δ = 12° 02' 03" (RT)
 Δ = 28° 39' 52" (L.T)
 D = 21.76
 T = 21.76
 R = 200.00
 L = 43.35
 E = 91.55
 P.C. STA. = 35+40.00
 P.T. STA. = 36+35.11

P.I. STA. 38+13.00
 Δ = 13° 06' 48" (L.T)
 Δ = 14° 19' 26" (L.T)
 D = 400.00
 R = 400.00
 L = 91.55
 E = 2.63
 P.C. STA. = 38+13.00
 P.T. STA. = 39+07.34

P.I. STA. 39+07.34
 Δ = 30° 11' 34" (RT)
 Δ = 57° 54' 56" (L.T)
 D = 350.00
 R = 350.00
 L = 189.17
 E = 12.87
 P.C. STA. = 39+07.34
 P.T. STA. = 40+00.00

P.I. STA. 40+29.53
 Δ = 89° 08' 50" (L.T)
 Δ = 28° 27' 53" (L.T)
 D = 30.00
 R = 30.00
 L = 60.75
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 43+74.93
 Δ = 14° 15' 17" (L.T)
 Δ = 17° 27' 33" (L.T)
 D = 57.66
 R = 85.00
 L = 124.00
 E = 2.38
 P.C. STA. = 43+12.41
 P.T. STA. = 44+35.81

P.I. STA. 46+51.59
 Δ = 30° 11' 34" (RT)
 Δ = 57° 54' 56" (L.T)
 D = 350.00
 R = 350.00
 L = 189.17
 E = 12.87
 P.C. STA. = 46+51.59
 P.T. STA. = 47+84.14

P.I. STA. 49+27.71
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 52+30.45
 Δ = 47° 47' 20" (L.T)
 Δ = 67° 24' 24" (L.T)
 D = 57.66
 R = 85.00
 L = 70.90
 E = 7.97
 P.C. STA. = 51+59.55
 P.T. STA. = 52+30.45

P.I. STA. 28+43.96
 Δ = 33° 04' 10" (L.T)
 Δ = 17' 21' 44" (L.T)
 D = 16' 08' 23" (RT)
 T = 97.97
 R = 330.00
 L = 130.47
 E = 1.94
 P.C. STA. = 28+43.96
 P.T. STA. = 29+51.99

P.I. STA. 25+11.89
 Δ = 116° 45' 06" (L.T)
 Δ = 21' 16" 29" (RT)
 D = 16' 08' 23" (RT)
 T = 116.45
 R = 560.00
 L = 144.59
 E = 1.43
 P.C. STA. = 25+11.89
 P.T. STA. = 26+04.99

P.I. STA. 22+43.96
 Δ = 35° 33' 14" (RT)
 Δ = 12° 03' 44" (L.T)
 D = 152.00
 R = 152.00
 L = 23.50
 E = 23.50
 P.C. STA. = 22+43.96
 P.T. STA. = 23+41.89

P.I. STA. 20+23.21
 Δ = 40° 35' 43" (L.T)
 Δ = 38' 57' 54" (RT)
 D = 38' 57' 54" (RT)
 T = 57.35
 R = 153.00
 L = 103.87
 E = 1.03
 P.C. STA. = 20+23.21
 P.T. STA. = 20+75.12

P.I. STA. 19+30.62
 Δ = 49° 39' 02" (L.T)
 Δ = 143° 14' 22" (L.T)
 D = 185.00
 R = 400.00
 L = 34.68
 E = 34.68
 P.C. STA. = 19+30.62
 P.T. STA. = 19+12.11

P.I. STA. 18+35.85
 Δ = 194° 58' 05" (L.T)
 Δ = 20+75.12 (L.T)
 D = 194.58
 R = 194.58
 L = 1234.12
 E = 1234.12
 P.C. STA. = 18+35.85
 P.T. STA. = 20+75.12

P.I. STA. 15+42.10
 Δ = 35° 33' 14" (RT)
 Δ = 12° 03' 44" (L.T)
 D = 152.00
 R = 152.00
 L = 23.50
 E = 23.50
 P.C. STA. = 15+42.10
 P.T. STA. = 18+35.85

P.I. STA. 14+47.51
 Δ = 8° 41' 17" (L.T)
 Δ = 4° 35' 01" (L.T)
 D = 1250.00
 R = 94.95
 L = 3.00
 E = 3.00
 P.C. STA. = 13+52.55
 P.T. STA. = 15+42.10

P.I. STA. 13+05.79
 Δ = 17° 01' 44" (RT)
 Δ = 27° 43' 57" (L.T)
 D = 450.00
 R = 450.00
 L = 0.85
 E = 0.85
 P.C. STA. = 12+45.19
 P.T. STA. = 13+05.79

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 39+04.55
 P.T. STA. = 40+65.63

P.I. STA. 12+45.19
 Δ = 131° 41' 37" (RT)
 Δ = 89° 08' 50" (L.T)
 D = 30.00
 R = 30.00
 L = 101.32
 E = 2.07
 P.C. STA. = 3

