

5-2

DESIGN DESIGNATION

Current A.D.T. (1986) = 8,660
Design Year A.D.T. (2006) = 10,740
D.H.V. = 1,100
D = 60 / 40
T = 8 %
Legal Speed = 35 mph
Design Speed = 40 mph

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
CUY-82-0.93
CITY OF STRONGSVILLE
CUYAHOGA COUNTY

CALCULATED BY TPB 10/1/86
CHECKED BY RDW 11/15/86

FHWA REGION	STATE	PROJECT
5	OHIO	STATE

CUYAHOGA COUNTY
CUY-82-0.93

1
21

CONVENTIONAL SIGNS

County Line ---
Section Line --- 33 34
Center Line ---
Water Line --- 8" WATER
Trees, Stumps (to be removed) X
Tree and Shrub Limits ---
Utility Poles: Telephone, High Tension Power, Light
Core Boring Location
Fire Hydrant F.H.

Limited Access LA
Right of Way RW
Existing Right of Way ---
Contours --- 1120
Property Line ---
Railroad ---
Guardrail (existing) (proposed)
Storm Sewer --- 10" STM.

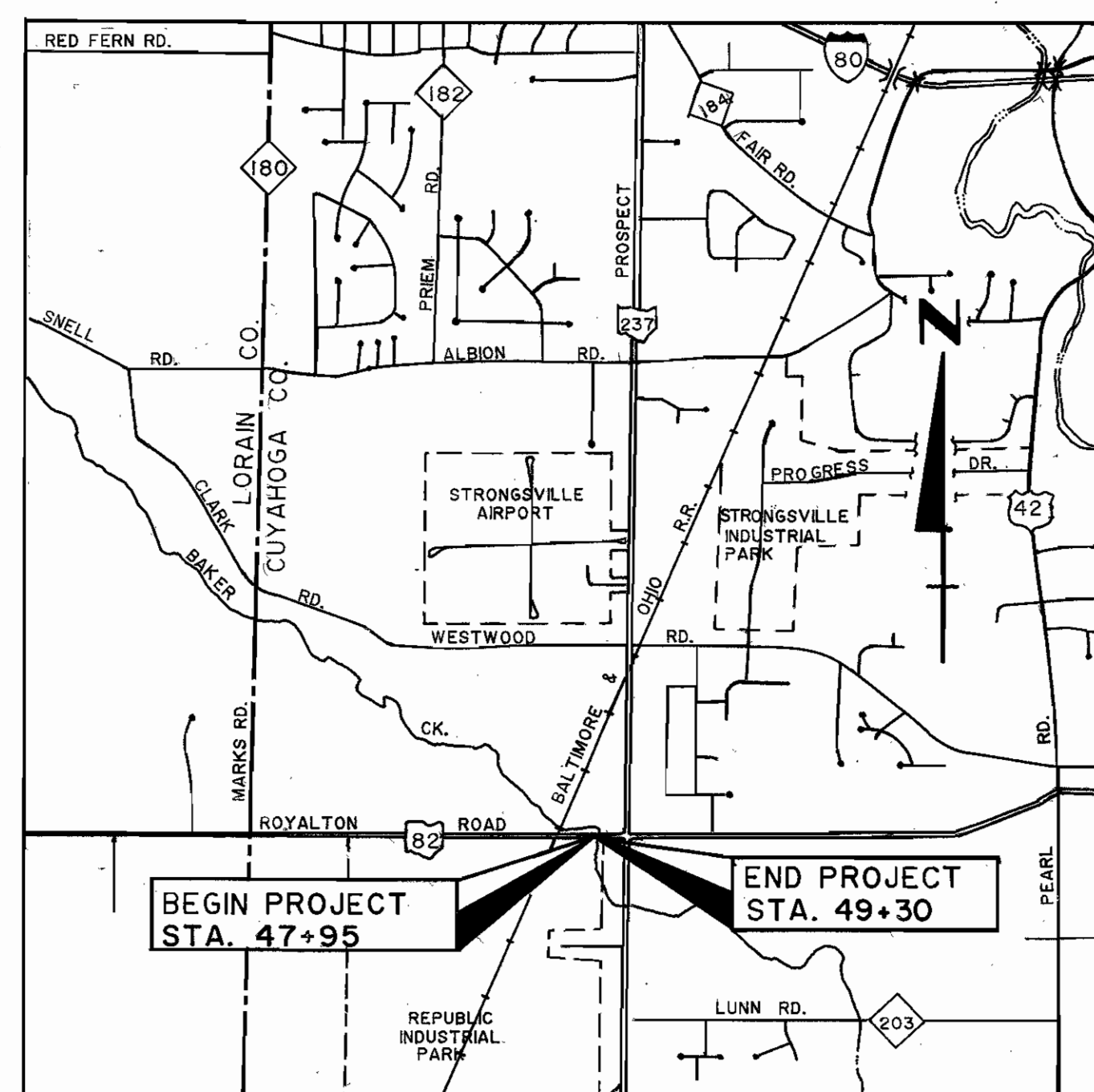
INDEX OF SHEETS

Title Sheet 1
Typical Section 2
General Notes 3, 3a, 3b, 3c, 3d
Calculations 4 3e, 3f, 3g, 3h, 3i
General Summary 586
Plan & Profile 7
Culvert Plan & Profile 8

Roadway Cross Sections 9-14
Channel Cross Sections 15-18
Miscellaneous Details 19
Maintenance of Traffic Plan 20
Right-Of-Way Plan 21

LINE DATA

Begin Work STA. 44+50
End Work STA. 53+95
Begin Project STA. 47+95
End Project STA. 49+30
Length of Project = 135 Lin. Ft. = 0.026 miles
Length of Project = 945 Lin. Ft. = 0.179 miles



LOCATION MAP

0 1000 2000 3000 4000 5000 5280
1 Mile

Scale in feet

- PORTION TO BE IMPROVED
- INTERSTATE ROUTE
- STATE ROUTE
- CUYAHOGA COUNTY ROUTE
- U. S. ROUTE
- OTHER ROADS
- AIRPORT, INDUSTRIAL PARKS

UNDERGROUND UTILITIES

2 WORKING DAYS
BEFORE YOU DIG
Call 800-362-2764 (Toll free)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

SCALES

PLAN --- Horizontal ---
PROFILE --- Horizontal --- Vertical ---
TYPICAL SECTION ---

1987 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED DATE 7-31-87 Martin A. Gallito
DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION

APPROVED DATE 8-31-87 Walter J. Festing
ENGINEER, BUREAU OF BRIDGES AND STRUCTURAL DESIGN

APPROVED DATE 12-11-87 Wayne H. Kramble
CHIEF ENGINEER, PLANNING AND DESIGN

APPROVED DATE 12-11-87 Warren T. Smith
DIRECTOR, DEPARTMENT OF TRANSPORTATION

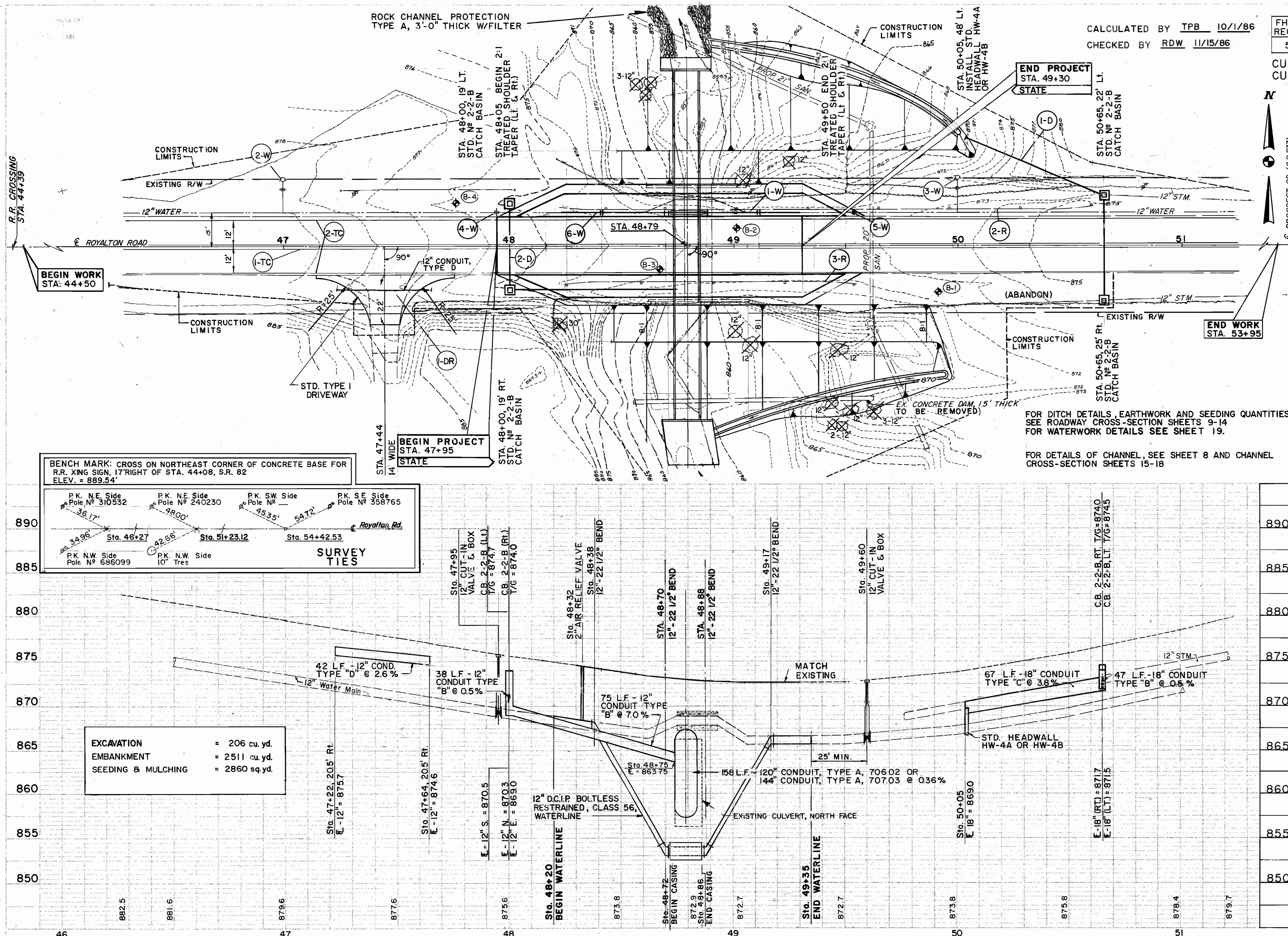
STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
NUMBER	DATE	NUMBER	DATE	NUMBER	DATE
				847	10-17-83
				947	10-17-83
BP-2	1-11-85			932	3-25-85
BP-5	1-11-85	MT-99.10	11-14-86	942	10-29-86
BP-6	6-1-85				
LA-1	6-1-79				
MC-9A	1-11-85				
MC-4	7-26-76				
MC-11	8-1-78				
HW-4A	4-1-80				
HW-4B	4-1-80				
CB-2-2-B	5-1-79				

PLAN PREPARED BY
MICHAEL BENZA & ASSOCIATES, INC.
-CONSULTING ENGINEERS-
PARMA, OHIO 216-842-3004
RICHFIELD, OHIO 216-659-4179
APPROVED DATE 5-19-87 Michael Benza
P.E.32053

5728 1365

PLAN
DATE: 10/1/86
BY: TPB
CHECKED BY: RDW
11/15/86
NOTE BOOK: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

PROFILE
DATE: 10/1/86
BY: TPB
CHECKED BY: RDW
11/15/86
NOTE BOOK: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



CALCULATED BY TPB 10/1/86
CHECKED BY RDW 11/15/86

FHWA REGION	STATE	PROJECT
5	OHIO	

7
21

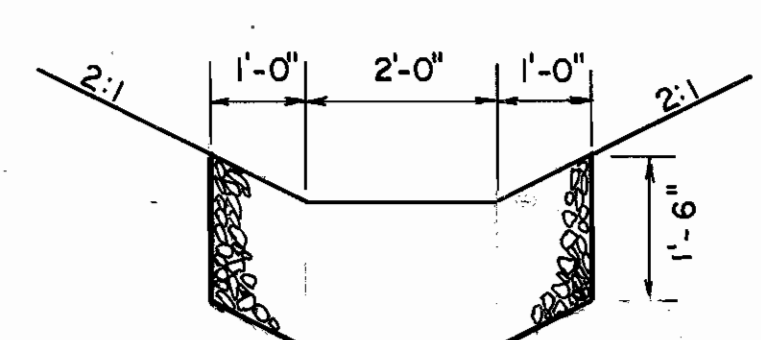
CUYAHOGA COUNTY
CUY-82-0.93

REF. NO.	STATION TO STATION	SIDE	ITEM	QUANTITY	UNIT	PRICE	TOTAL
1-TC	44+50 to 44+50	C	12" CONDUIT, TYPE D	47	Lin. Ft.		47
2-TC	44+50 to 44+50	L&R	12" CONDUIT, TYPE D	42	Lin. Ft.		42
1-D	50+05 to 50+05	L	12" CONDUIT, TYPE D	47	Lin. Ft.		47
2-D	48+00 to 48+00	R	12" CONDUIT, TYPE D	42	Lin. Ft.		42
1-W	48+20 to 49+35	L	12" CONDUIT, TYPE D	26	Gal.		26
2-W	46+99	L	12" CONDUIT, TYPE D	42	Lin. Ft.		42
3-W	50+00	L	12" CONDUIT, TYPE D	42	Lin. Ft.		42
4-W	47+95	L	12" CONDUIT, TYPE D	42	Lin. Ft.		42
5-W	49+60	L	12" CONDUIT, TYPE D	42	Lin. Ft.		42
6-W	48+32	L	12" CONDUIT, TYPE D	42	Lin. Ft.		42
2-R	48+20 to 50+60	R	12" CONDUIT, TYPE D	240	Lin. Ft.		240
3-R	48+25 to 49+54	R	12" CONDUIT, TYPE D	129	Lin. Ft.		129
TOTALS				369			369

FOR DITCH DETAILS, EARTHWORK AND SEEDING QUANTITIES
SEE ROADWAY CROSS-SECTION SHEETS 9-14
FOR WATERWORK DETAILS SEE SHEET 19.

FOR DETAILS OF CHANNEL, SEE SHEET 8 AND CHANNEL
CROSS-SECTION SHEETS 15-18

EXCAVATION = 206 cu. yd.
EMBANKMENT = 2511 cu. yd.
SEEDING & MULCHING = 2860 sq. yd.



ROCK CHANNEL PROTECTION
TYPE C w/FILTER
SECTION B-B

BEGIN ROCK CHANNEL PROTECTION,
TYPE C, 18" THICK, w/FILTER

Sta. 50+00, 50' Lt.
E. = 868.0

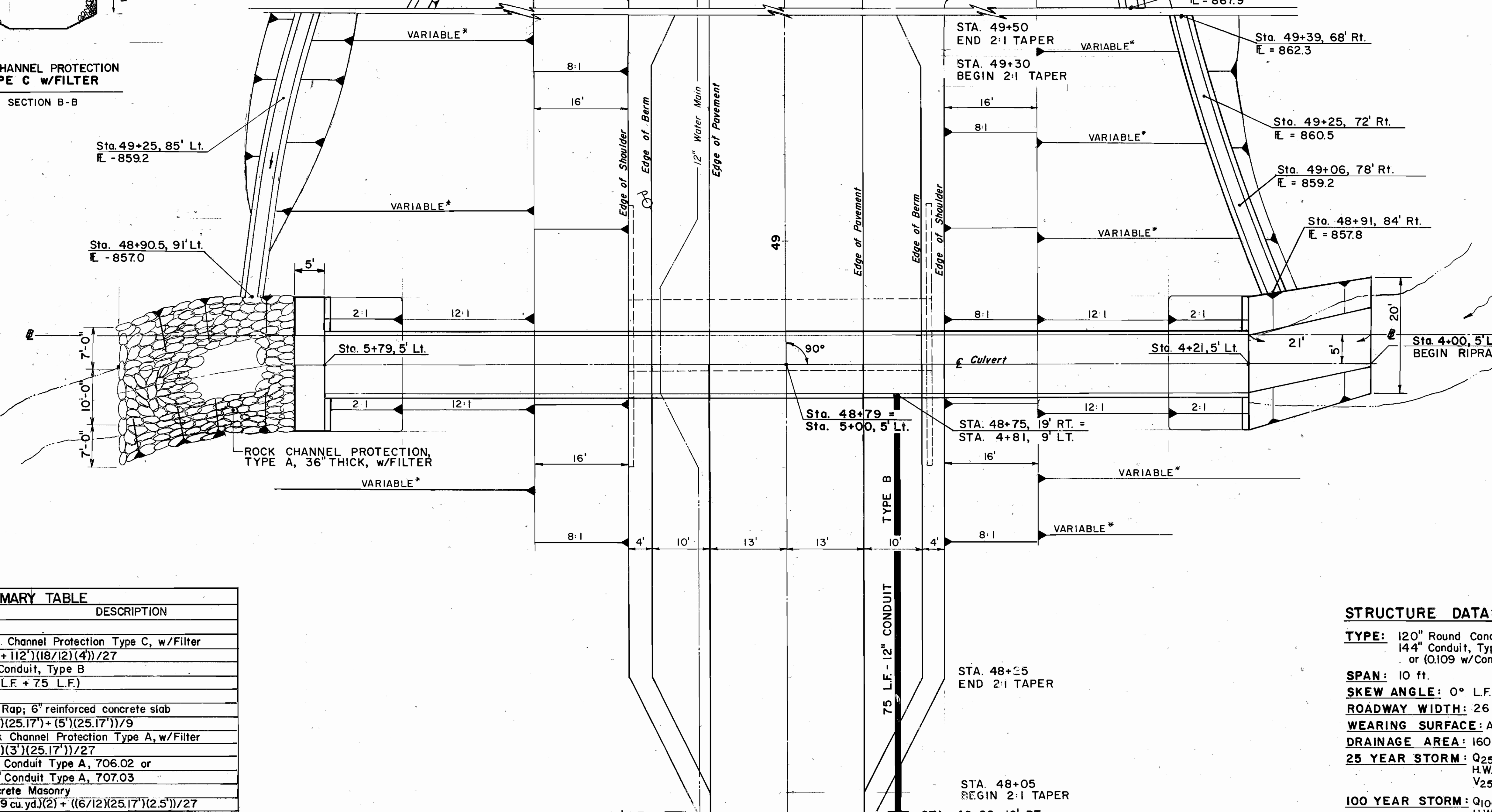
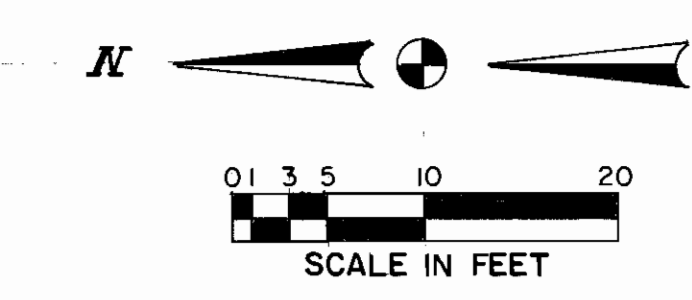
CALCULATED BY TPB 10/1/86
CHECKED BY RDW 11/15/86

BEGIN ROCK CHANNEL PROTECTION,
TYPE C, 18" THICK, w/FILTER

Sta. 49+95, 58' Rt.
Sta. 49+85, 59' Rt.
E. = 867.9

FHWA REGION	STATE	PROJECT
5	OHIO	

CUYAHOGA COUNTY
CUY-82-0.93



SUMMARY TABLE			
ITEM	QUANTITY	UNIT	DESCRIPTION
601	53	Cu. Yd.	Rock Channel Protection Type C, w/Filter ((125' + 112')((18/12)(4)))/27
603	113	Lin. Ft.	12" Conduit, Type B (38 L.F. + 75 L.F.)
601	73	Sq. Yd.	Rip Rap; 6" reinforced concrete slab ((21')((25.17') + (5')((25.17')))/9
601	84	Cu. Yd.	Rock Channel Protection Type A, w/Filter ((30')((3')((25.17')))/27
603	158	Lin. Ft.	120" Conduit Type A, 706.02 or 144" Conduit Type A, 707.03
602	24.94	Cu. Yd.	Concrete Masonry ((11.89 cu. yd.)(2) + ((6/12)(25.17')(2.5'))/27

NOTE: Alternate for 144" Conduit, Type 707.03 requires Channel Profile to be lowered 6" (E. Inlet = 857, E. Outlet = 856.53), & Profile from edge of Safety Grading to top of pipe is to be 1.7% (58:1) instead of 12:1 as shown.

STRUCTURE DATA:

TYPE: 120" Round Concrete Culvert, Type A, 706.02 or 144" Conduit, Type A, 707.03, (0.109, 0.280) or (0.109 w/Concrete Field Paving, as per plan)

SPAN: 10 ft.

SKW ANGLE: 0° L.F.

ROADWAY WIDTH: 26 ft.

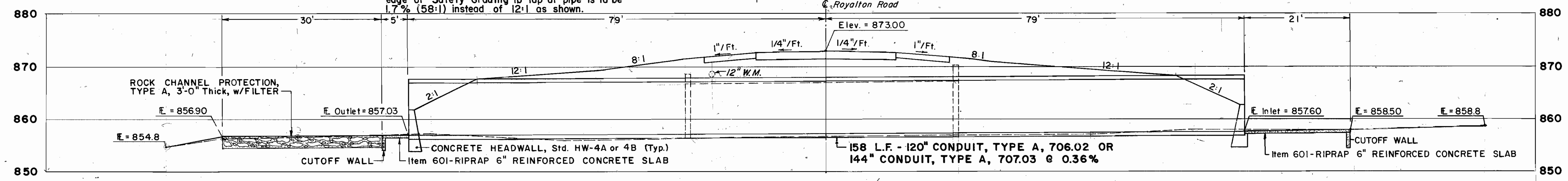
WEARING SURFACE: Asphalt Concrete

DRAINAGE AREA: 1600 Acres

25 YEAR STORM: Q₂₅ = 1035 cfs
H.W.I. = 11.3 ft.
V₂₅ = 16 fps

100 YEAR STORM: Q₁₀₀ = 1335 cfs
H.W.I. = 14.4 ft.
V₁₀₀ = 16 fps

* SEE ROADWAY CROSS-SECTIONS, SHEETS 9-14.

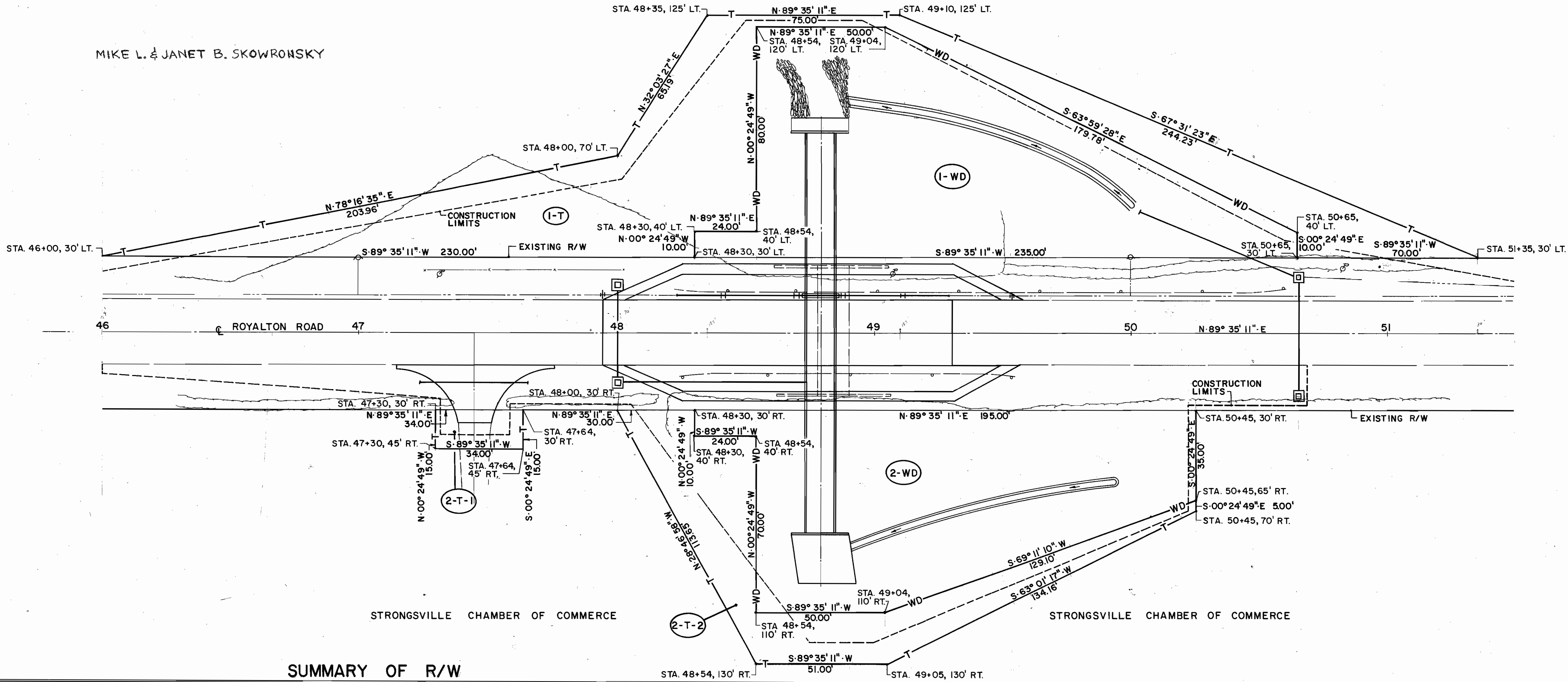


CALCULATED BY TPB 3/2/87
CHECKED BY RDW 3/4/87

FHWA REGION	STATE	PROJECT	
5	OHIO	STATE	
CUYAHOGA COUNTY CUY-82-093			

21
21

MIKE L. & JANET B. SKOWRONSKY



SUMMARY OF R/W

PARC. NO.	OWNER	PERMANENT PARCEL NO.	VOL.	PG.	DEED AREA	TAKE (SQ. FT.)	RESIDUE	REMARKS
1-WD	MIKE L. & JANET B. SKOWRONSKY	392-16-002	87-1265	68		12790		CHANNEL & DITCH GRADING
1-T	"	"	"	"		11385		GRADING
2-WD	STRONGSVILLE CHAMBER OF COMMERCE	392-16-013 & 017	15411	271		11198		CHANNEL & DITCH GRADING
2-T-1	"	"	"	"		510		DRIVE RECONSTRUCTION
2-T-2	"	"	"	"		5003		GRADING

WT	3-29-88	OWNERSHIP & RECORDS REVISED	PCL 1
WT	1-25-88	CHANGED ARG. DIRECTION	
BY	DATE	DESCRIPTION	