

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	1

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
FEDERAL-AID PROJECT**

CITY OF BELVIDERE

BOONE COUNTY, ILLINOIS

6TH STREET AND 7TH AVENUE IMPROVEMENTS

ROUTE FAU 5012

SECTION 02-00098-00-FP

PROJECT M-5004 (9)

JOB NO. C-92-081-04

CONTRACT NO. 85356

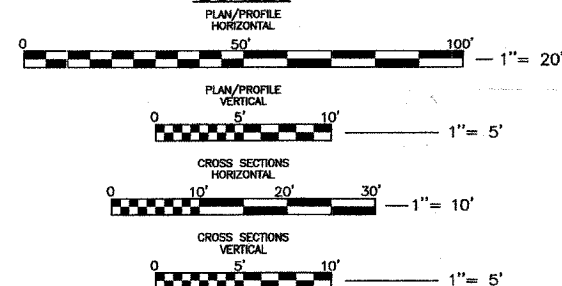
SHEET INDEX

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STANDARDS

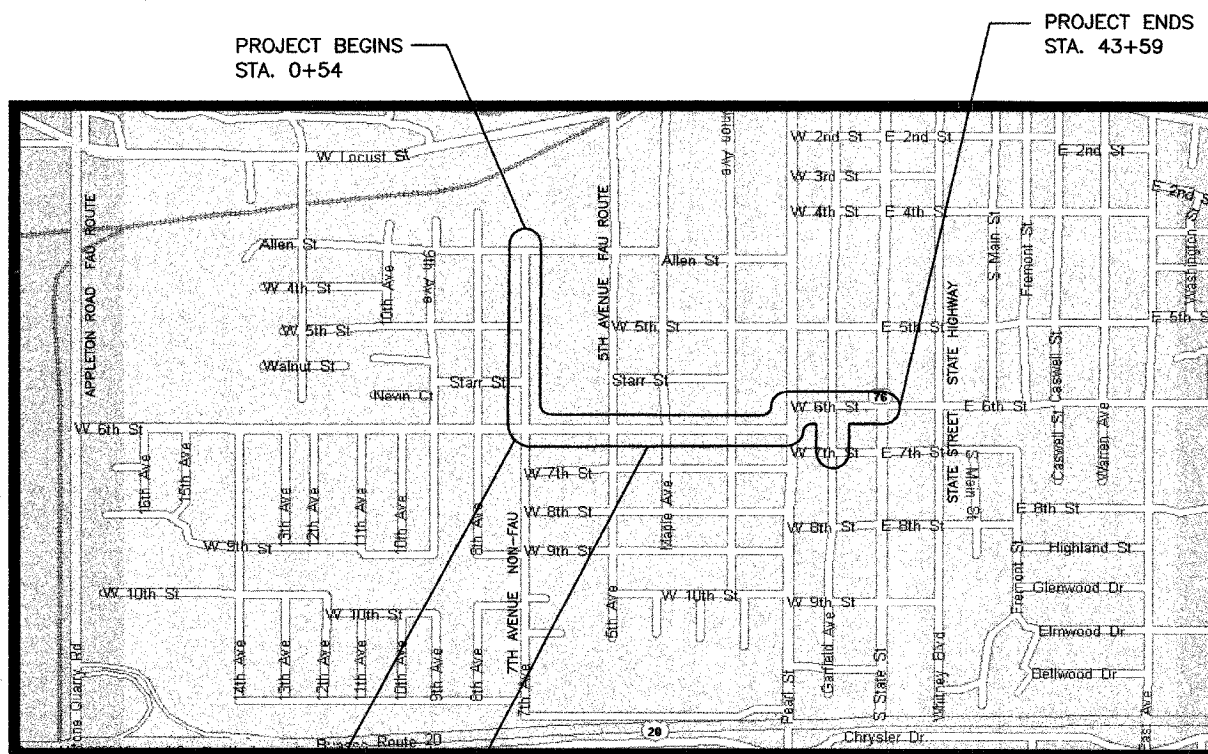
- 420106-02 10.8m (36') JOINTED PCC PAVEMENT
- 420001-05 PAVEMENT JOINTS
- 424001-03 CURB RAMPS FOR SIDEWALKS
- 701501-03 URBAN LANE CLOSURE 2L, 2W UNDIVIDED
- 701701-04 URBAN LANE CLOSURE MULTILANE INTERSECTION
- 701801-03 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 702001-05 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING
- 720006 SIGN PANEL ERECTION
- 720011 METAL POSTS FOR SIGNS
- 781001-02 TYPICAL RAISED REFLECTIVE PAVEMENT MARKERS
- 780001-01 TYPICAL PAVEMENT MARKINGS
- BLR 22-4 TYPICAL APPLICATION FOR TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

SCALES



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

NOTE:
LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.U.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.



PROJECT BEGINS
STA. 0+54

PROJECT ENDS
STA. 43+59

CENTERLINE INTERSECTION AT
STA. 15+19

LOCATION MAP

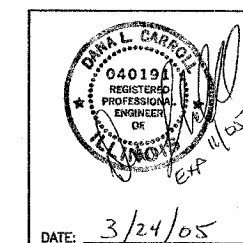
SCALE: 1" = 500'

NET LENGTH OF PROJECT = 4078.8 LIN. FT. (0.773 MILES)
GROSS LENGTH OF PROJECT = 4337.4 LIN. FT. (0.821 MILES)

ADT = 4915 (2024) 12% TRUCKS
URBAN MINOR COLLECTOR
DESIGN SPEED = 30 MPH

SITE
LOCATION

APPROVED	<i>March 24</i>	20 <u>05</u>
	<i>Craig Janku</i>	LOCAL AGENCY OFFICIAL
PASSED	<i>April 7</i>	20 <u>05</u>
	<i>Quintin J. Johnson</i>	DISTRICT ENGINEER OF LOCAL ROADS & STREETS
APPROVED	<i>April 7</i>	20 <u>05</u>
	<i>Gregory J. Montoya</i>	DISTRICT ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		



ROSARIO S. TARARA LAND SURVEYING, INC.		DESIGN FIRM NUMBER: 184-002928 (30-002994)
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333		
CARROLL ENGINEERING & ASSOCIATES, P.C.		
111 W. HURLBUT AVE. TELEPHONE		BELVIDERE, IL (815) 547-3408
ISSUE DATE: 03/24/2005	REVISION NO. & DATE:	PROJECT NO.: 372

85356

GENERAL NOTES

- CONTRACTOR SHALL NOTIFY CITY OF BELVIDERE AND OWNERS REPRESENTATIVE 48 HOURS PRIOR TO START OF CONSTRUCTION AND 48 HOURS PRIOR TO REQUEST FOR FINAL INSPECTION. OWNERS REPRESENTATIVE SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF RESUMING WORK AFTER STOPPAGE AND BEFORE ANY PAVING OR CONCRETE WORK. PAVING, WALKS OR CURB INSTALLED WITHOUT OWNER REPRESENTATIVE APPROVAL OF SUBGRADE, BASE COURSE, FORMS OR STRING LINES MAY BE REJECTED FOR PAYMENT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BELVIDERE, IEPA AND IDOT STANDARD SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING FACILITIES RESULTING FROM THE PERFORMANCE OF WORK UNDER THIS CONTRACT. CONTRACTOR SHALL CARRY LIABILITY INSURANCE NAMING CITY AND ENGINEER AS ADDITIONAL INSUREDS. MINIMUM INSURANCE COVERAGE SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE AND SUBMIT NOTICE OF INTENT FOR EROSION AND STORM WATER CONTROL. ALL WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL - GOVERNING EROSION AND SEDIMENT CONTROL AND THESE CONTRACT DOCUMENTS. NOI SHALL BE SUBMITTED TO THE CITY. COST OF THIS WORK IS INCIDENTAL.
 - PROVIDE TEMPORARY CONSTRUCTION ENTRANCE AT EACH END OF PROJECT AND ALL CONSTRUCTION ACCESS POINTS.
 - PROVIDE INLET PROTECTION AT ALL STORM INLETS.
- CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR UTILITY RELOCATIONS REQUIRED BY THE WORK IN THIS CONTRACT. CONTACT JULIE AT 1-800-892-0123
- PROVIDE COMPACTED TRENCH BACKFILL WHERE TRENCH EXCAVATION IS UNDER PAVEMENTS, STRUCTURES, AND OTHER PIPES.
- CONTRACTOR SHALL CLEAN SITE AND REMOVE ALL EXCESS MATERIAL AND DEBRIS. FINAL PAYMENT WILL BE WITHHELD UNTIL SITE CLEAN UP IS ACCEPTED BY THE CITY.
- ALL SANITARY AND WATER MATERIALS SHALL BE APPROVED BY THE CITY OF BELVIDERE PUBLIC WORKS DEPARTMENT AND THE CITY OF BELVIDERE WATER DIVISION PRIOR TO INSTALLATION.
- ALL TRENCHING SHALL CONFORM TO OSHA STANDARDS.
- DURING THE COURSE OF CONSTRUCTION, ANY DAMAGE TO EXISTING STORM SEWERS, WATERMANS OR SANITARY SEWERS CAUSED BY THE CONTRACTOR FOR CONVENIENCE OR THROUGH CARELESSNESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE FAR ENOUGH IN ADVANCE OF THE PIPE LAYING OPERATION TO AVOID ANY UNNECESSARY DEFLECTIONS. IF THE CONTRACTOR HAS TO RELAY ANY PIPE BECAUSE HE LAID TOO CLOSE TO AN OBSTRUCTION, IT WILL BE DONE AT HIS EXPENSE.
- SAW CUTTING SHALL CONSIST OF SAWING EXISTING PAVEMENTS TO SUCH A DEPTH THAT WHEN THE PAVEMENT IS REMOVED A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING OF THE REMAINING PAVEMENT. SAW CUTTING SHALL BE PERFORMED AT ALL LOCATIONS WHERE PAVEMENT IS REMOVED AND WILL BE REPLACED. THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO FURTHER COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL RELOCATE AND REPLACE TO THE SATISFACTION OF THE ENGINEER, ALL STREET SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL EXISTING PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS REFERENCED THEIR LOCATION. PROPERTY MARKERS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, IN ACCORDANCE WITH ARTICLE 107.20.
- ALL MANHOLE AND VAULT CASTINGS MUST BE ADJUSTED TO FINAL GRADE IN ACCORDANCE WITH THE CITY OF BELVIDERE SPECIFICATIONS. FINAL PAYOUT WILL NOT BE MADE UNTIL THE CITY APPROVES EACH ADJUSTMENT.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PRIVATE PROPERTY IN ACCORDANCE WITH ARTICLE 107.20. MAILBOXES SHALL BE RELOCATED AND REPLACED IN ACCORDANCE WITH ARTICLE 107.20. THE CONTRACTOR SHALL ALSO GIVE NOTICE TO PROPERTY OWNERS CONCERNING TREE & SHRUB REMOVAL IN ACCORDANCE WITH THIS ARTICLE.
- MAINTAIN SEWER AND WATER SEPARATION IN ACCORDANCE WITH IEPA STANDARDS, 35 IL ADMINISTRATIVE CODE SECTION 653.119. WHERE SEPARATION CAN NOT BE MAINTAINED, SANITARY SEWER SHALL BE CONSTRUCTED WITH WATERMAIN QUALITY PIPE. PROVIDE ASTM C443 FLEXIBLE GASKET JOINTS ON STORM SEWERS WHERE STORM SEWER CROSSES WATERMAIN. ALL OTHER STORM SEWER JOINTS MAY BE MASTIC JOINTS AT THE CONTRACTOR'S CHOICE. NO SEPARATE PAYMENT WILL BE MADE FOR GASKETED JOINTS, WHICH SHALL BE INCIDENTAL TO THE COST OF STORM SEWER CONSTRUCTION.
- PROVIDE EXFILTRATION TESTING OF STORM SEWERS WITHIN 10' HORIZONTAL DISTANCE AND LEVEL OR ABOVE ANY WATERMAIN. EXFILTRATION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 31-1.11B OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
- A CITY OF BELVIDERE WATER DEPARTMENT REPRESENTATIVE SHALL ASSIST CONTRACTOR WITH OPERATION OF ALL WATER SYSTEM VALVES AND SHALL BE PRESENT DURING SHUT DOWN OR RECHARGING SECTIONS OF THE SYSTEM. CONTRACTOR SHALL NOTIFY CITY WATER DEPARTMENT AND PROPERTY OWNERS 24 HOURS IN ADVANCE OF ANY SHUTDOWN. ALL SHUTDOWNS AND RECHARGING SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BELVIDERE AND IEPA REQUIREMENTS. CONTRACTOR SHALL COMPLETE CITY REPORT FORMS PRIOR TO WORK FOR EACH EVENT. COPIES OF FORMS ARE INCLUDED IN SPECIFICATIONS. CONTRACTOR SHALL PERFORM DISINFECTION AND PRESSURE TESTING ON ALL NEW OR REINSTATED SECTIONS OF SYSTEM IN ACCORDANCE WITH CITY AND AWWA (C600 & C651) STANDARDS.
 - ALL NEW WATERMAIN SHALL BE CONSTRUCTED WITH DIP (AWWA C151, CL 52) OR PVC (AWWA C909, SDR 26) PIPE MATERIALS.
 - WATERMAIN CASING INSTALLED BY HAND TUNNELING FOR TREE PROTECTION OR SEWER SEPARATION SHALL BE CASING INSTALLATION DETAIL TYPE B.
- EXISTING BITUMINOUS AND GRAVEL DRIVEWAYS TO BE REPLACED WITH BITUMINOUS SURFACE, EXISTING CONCRETE DRIVEWAYS TO BE REPLACED WITH CONCRETE SURFACE, UNLESS SHOWN OTHERWISE.
- PRECAST STORM INLET STRUCTURES ARE NOT ALLOWED ON THIS PROJECT, EXCEPT THAT PRECAST BOTTOMS AND SPECIAL INLET TOPS MAY BE USED. ALL STRUCTURE WALLS SHALL BE CONSTRUCTED OF BLOCK MATERIALS, UNLESS APPROVED BY ENGINEER.
- THIS PROJECT REQUIRES COMPLETE REPLACEMENT OF THE EXISTING SANITARY SEWER SYSTEM WITHIN THE STREET RIGHT OF WAY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH IEPA "ILLINOIS STANDARDS FOR SEWAGE WORKS" AND THESE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN EXISTING SERVICES IN OPERATION AT ALL TIMES, EXCEPT THAT INDIVIDUAL SERVICES MAY BE OUT OF SERVICE WHEN THEY ARE BEING REPAID. THE MAXIMUM OUT OF SERVICE TIME FOR ANY SERVICE IS 4 HOURS AND CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND ENGINEER 24 HOURS IN ADVANCE OF ANY OUTAGE. THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS NECESSARY TO MAINTAIN SYSTEM OPERATION. SINCE THE SYSTEM WILL BE RECONSTRUCTED UNDER SERVICE, ACCEPTANCE TESTING SHALL BE TELEVISION ALL MAIN LINES AT LEAST 30 DAYS AFTER INSTALLATION, BUT PRIOR TO FINAL PAVING. ANY PIPE DISPLAYING LEAKING JOINTS OR OUT OF ROUND SHALL BE REPLACED.
 - ALL NEW SANITARY SEWER SHALL BE CONSTRUCTED WITH PVC ASTM D3034, SDR 35 PUSH ON JOINT (ASTM 3212) PIPE, EXCEPT USE PVC AWWA C909, SDR 26 WHERE WATERMAIN QUALITY PIPE IS REQUIRED.
- CONTRACTOR SHALL PROVIDE DUST CONTROL FOR ALL DISTURBED AREAS WITHOUT HARD SURFACE, IN ACCORDANCE WITH 107.36. DUST CONTROL MAY CONSIST OF DAILY WATERING OR CHEMICAL TREATMENT. CONTRACTOR TO RESPOND TO ALL DUST COMPLAINTS WITHIN 4 HOURS. FAILURE TO RESPOND SHALL MAKE CONTRACTOR RESPONSIBLE FOR A DAILY PENALTY EQUAL TO STATED LIQUIDATED DAMAGES. COST OF DUST CONTROL INCIDENTAL TO ALL OTHER BID ITEMS.
- PROVIDE SAFE PEDESTRIAN ACCESS TO ALL PROPERTIES ENTIRE LENGTH OF PROJECT, AT ALL TIMES. IF EXISTING SIDEWALK IS REMOVED MORE THAN 5 DAYS PRIOR TO REPLACEMENT, PROVIDE TEMPORARY COMPACTED GRAVEL PATHS FOR ALL DISTURBED WALKS. COST OF TEMPORARY ACCESS WORK IS INCIDENTAL TO PROJECT BID ITEMS.
- CONTRACTOR SHALL BE AWARE THAT OVERHEAD UTILITIES ARE PRESENT. CONTRACTOR SHALL MAKE PROVISION TO SUPPLY EQUIPMENT AS NECESSARY TO WORK AROUND OVERHEAD OBSTRUCTIONS. NO TIME OR COST CLAIMS WILL BE ACCEPTED FOR DELAYS DUE TO OVERHEAD OBSTRUCTIONS.
- MISCELLANEOUS DITCH GRADING TO CARRY WATER FROM SIDE STREETS TO NEW INLETS IS INCIDENTAL TO EARTH EXCAVATION BID ITEM.

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNITS	TOTAL	1000	Y080	NON-PARTICIPATING
20200100	EARTH EXCAVATION	CY	9554	6057		3497
20800150	TRENCH BACKFILL	CY	12,873	1916		10,957
21101615	TOPSOIL FURNISH AND PLACE, 4"	SY	7250	4796		2454
21300010	EXPLORATORY TRENCH, SPECIAL	FT	45	0		45
25200100	SODDING	SY	7250	4796		2454
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CY	700	500		200
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SY	17,415	11,946		5469
35102100	AGGREGATE BASE COURSE, TYPE B 9"	SY	5469	0		5469
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SY	40	40		0
35500100	BITUMINOUS BASE COURSE 4"	SY	7742	7742		0
35500200	BITUMINOUS BASE COURSE 5"	SY	4374	4374		0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALS	14,321	9397		4924
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SY	333	333		0
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SY	431	376		55
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4"	SF	28,259	17,796		10,463
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6"	SF	4653	3069		1584
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SY	383	383		0
44000200	DRIVEWAY PAVEMENT REMOVAL	SY	1889	1217		672
44000500	COMBINATION CURB AND GUTTER REMOVAL	FT	2303	1734		569
44000600	SIDEWALK REMOVAL	SF	22,499	13,597		8902
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FT	441	366		75
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FT	146	101		45
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FT	434	434		0
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FT	1063	1063		0
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FT	922	922		0
56100700	WATER MAIN 8"	FT	4278	0		4278
56400500	FIRE HYDRANT TO BE REMOVED	EA	7	5		2
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EA	10	7		3
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	2	2		0
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	12	12		0
60242500	INLETS, SPECIAL, NO. 1	EA	4	4		0
60242600	INLETS, SPECIAL, NO. 2	EA	24	16		8
60266910	VALVE BOXES TO BE REMOVED	EA	13	0		13
60300205	FRAME AND GRATES TO BE ADJUSTED (SPECIAL)	EA	20	7		13
60500040	REMOVING MANHOLES	EA	25	16		9
60500060	REMOVING INLETS	EA	7	6		1
60602800	CONCRETE GUTTER, TYPE B	FT	60	60		0
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FT	7615	5333		2282
70101700	TRAFFIC CONTROL AND PROTECTION	LS	1	1		0
72000100	SIGN PANEL-TYPE 1	SF	45	45		0
72900210	METAL POSTS-TYPE B	EA	5	5		0
78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS & SYMBOLS	SF	42	42		0
78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FT	3211	1942		1269
78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FT	642	427		215
78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FT	280	280		0
78000620	THERMOPLASTIC PAVEMENT MARKING-LINE 18"	FT	308	229		79
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EA	10	7		3
XX001987	LINE STOP 4"	EA	5	0		5
XX002118	STORM SEWER DUCTILE IRON 12"	FT	126	126		0
XX003673	SANITARY SERVICE REPLACEMENT	EA	52	0		52
XX004007	BITUMINOUS DRIVEWAY PAVEMENT	SY	1432	849		583
XX004689	SANITARY SERVICE ADJUSTMENT	EA	2	2		0
XX005959	GATE VALVE AND VAULT 8"	EA	7	0		7
XX146400	STORM SEWER REMOVAL	FT	885	729		156
Z0013300	CONCRETE REMOVAL (SPECIAL)	SY	333	333		0
Z0076600	TRAINEES	HOURS	500	0	500	0
XX006232	BITUMINOUS CONCRETE SURFACE COURSE 2"	SY	14,336	8867		5469
XX006233	BITUMINOUS CONCRETE SURFACE OVERLAY 1 1/2"	SY	1393	1393		0
XX006234	BITUMINOUS CONCRETE BINDER COURSE 2 1/2"	SY	11,275	11,275		0
XX006235	BITUMINOUS CONCRETE BINDER COURSE 3"	SY	5469	0		5469
XX006236	BACK OF CURB REMOVAL	FT	38	0		38
XX006237	STORM SEWER, HDPE, 8"	FT	55	55		0
XX006238	STORM SEWER DUCTILE IRON 15"	FT	87	45		42
XX006239	STORM SEWER DUCTILE IRON 20"	FT	300	300		0
XX006240	AREA DRAIN	EA	2	2		0
XX006241	GATE VALVE AND BOX 8"	EA	11	0		11
XX006242	WATER SERVICE REMOVAL	EA	43	0		43
XX006243	WATER SERVICE INSTALLATION, 1", COMPLETE	EA	44	0		44
XX006244	WATER SERVICE INSTALLATION, 2", COMPLETE	EA	2	0		2
XX006245	CASING PIPE, TRENCHED	FT	63	0		63
XX006246	CASING PIPE, HAND TUNNELED	FT	134	0		134
XX006247	SANITARY SEWER REMOVAL	FT	2738	0		2738
XX006248	SANITARY SEWER, PVC D3034, SDR 35, 8"	FT	1311	0		1311
XX006249	SANITARY SEWER, PVC C909, 8"	FT	225	0		225
XX006250	SANITARY SEWER, PVC D3034, SDR 35, 10"	FT	1348	0		1348
XX006251	SANITARY SEWER, PVC C909, 10"	FT	32	0		32
XX006252	SANITARY SERVICE REPLACEMENT, WATERMAIN QUALITY	EA	6	0		6
XX006253	SANITARY MANHOLES, 4' DIA.	EA	13	0		13
XX006254	REPAIRS TO SANITARY MANHOLE #14	LS	1	0		1

LEGEND & ABBREVIATIONS

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- EXISTING WATERMAIN, VALVE & VAULT AND FIRE HYDRANT INCL. AUX VALVE
- PROPOSED WATERMAIN, VALVE & VAULT AND FIRE HYDRANT INCL. AUX VALVE
- EXISTING BURIED UTILITIES
- PROPERTY MONUMENT
- PROPOSED CURB & GUTTER
- PROPOSED PROPERTY AND ROW LINE
- EXISTING PROPERTY AND ROW LINE
- TREE
- DRAINAGE FLOW DIRECTION ARROW
- TRAFFIC FLOW DIRECTION ARROW
- MAIL BOX
- UTILITY POLE
- EROSION CONTROL BLANKET
- STONE RIP RAP
- PVC POLY VINYL CHLORINE PIPE
- DIP DUCTILE IRON PIPE
- RCP REINFORCED CONCRETE PIPE
- HEP HORIZONTAL ELLIPTICAL PIPE
- INV INVERT OF PIPE
- PVI POINT OF VERTICAL GRADE INTERSECTION
- 3:1 3 HORIZONTAL TO 1 VERTICAL SLOPE
- WWF WOVEN WIRE FABRIC
- TC TOP OF CURB ELEVATION
- TW TOP OF WALK ELEVATION
- M.E. MATCH EXISTING

BENCHMARKS

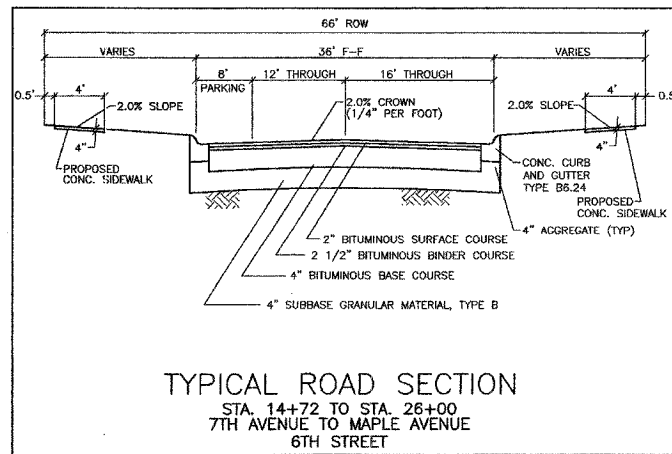
- SANITARY MANHOLE #7015 ON THE NORTH SIDE OF ALLEN STREET AT 7TH AVENUE. ELEVATION: 776.63
- FIRE HYDRANT EAST OF 7TH AVENUE ON THE SOUTH SIDE OF ALLEN STREET. ELEVATION: 780.55
- CORNER OF THE STEPS AT BELVIDERE FIRST ASSEMBLY OF GOD CHURCH (1105 7TH AVENUE). ELEVATION: 785.65
- RAILROAD SPIKE IN UTILITY POLE WEST OF 7TH AVENUE ON STARR STREET. ELEVATION: 785.46
- NORTH BOLT ON TOP OF FIRE HYDRANT AT NORTHEAST CORNER OF 7TH AVENUE AND 6TH STREET. ELEVATION: 789.43
- SECOND FIRE HYDRANT EAST OF 7TH AVENUE ON THE NORTH SIDE OF 6TH STREET, NORTHWEST BOLT ON TOP OF HYDRANT. ELEVATION: 790.65
- NORTHWEST CORNER OF STEPS AT 526 6TH STREET. ELEVATION: 792.05
- SOUTHWEST BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF MAPLE STREET AND 6TH STREET. ELEVATION: 795.23
- SOUTHEAST BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF UNION AND 6TH STREET. ELEVATION: 796.84
- SOUTHEAST CORNER OF STEPS AT THE SOUTH SIDE ENTRANCE TO 6TH STREET OF ZION LUTHERAN CHURCH (1300 PEARL STREET). ELEVATION: 796.82
- NORTH BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF GARFIELD AVENUE AND 6TH STREET. ELEVATION: 797.78

ROSARIO S. TARARA
LAND SURVEYING, INC.
DESIGN FIRM NUMBER: 164-002928 (35-002994)
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-8333

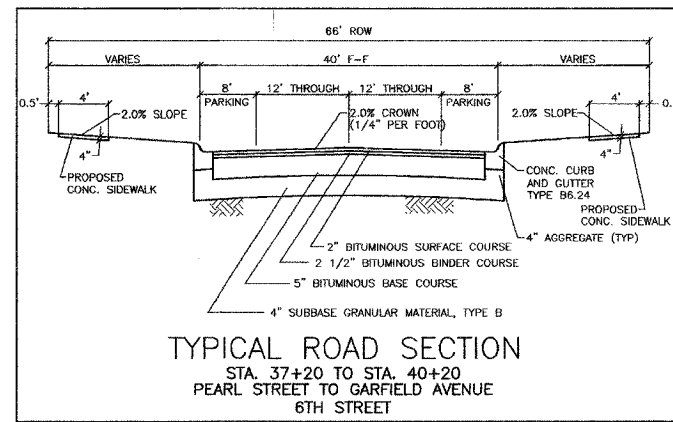
CARROLL ENGINEERING & ASSOCIATES, P.C.
DESIGN FIRM NO. 14-00814
 111 W. HURLBUT AVE. BELVIDERE, IL
 TELEPHONE (815) 547-3406

ISSUE DATE: 03/24/2005 #1 (REVISED NO. & DATE: 04/12/2005) PROJECT NO.: 372

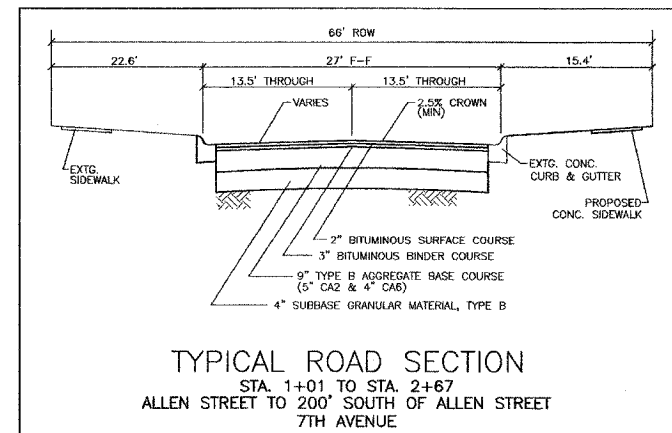
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5012	02-00098-00-FP	BOONE	30	3



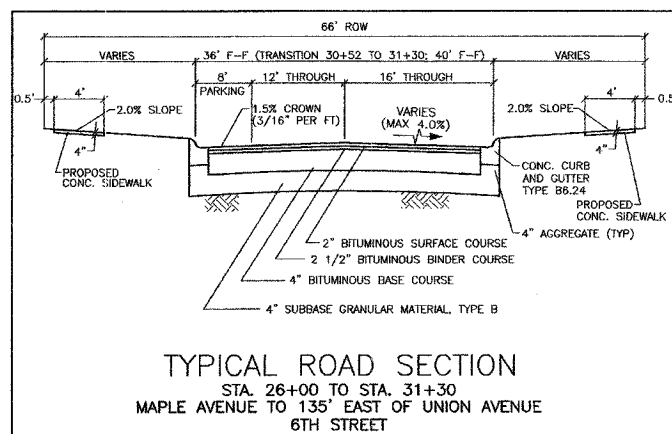
TYPICAL ROAD SECTION
STA. 14+72 TO STA. 26+00
7TH AVENUE TO MAPLE AVENUE
6TH STREET



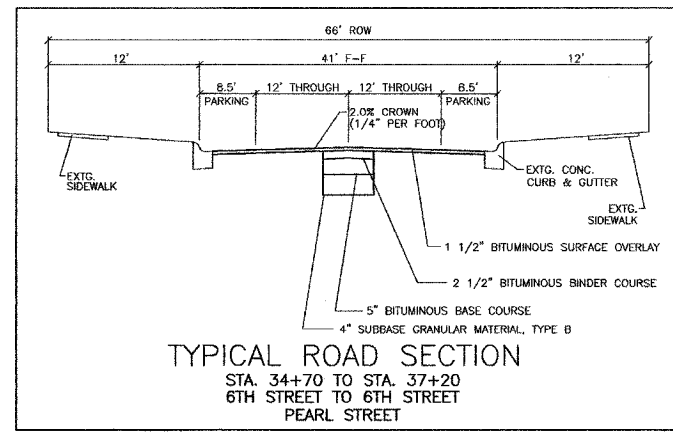
TYPICAL ROAD SECTION
STA. 37+20 TO STA. 40+20
PEARL STREET TO GARFIELD AVENUE
6TH STREET



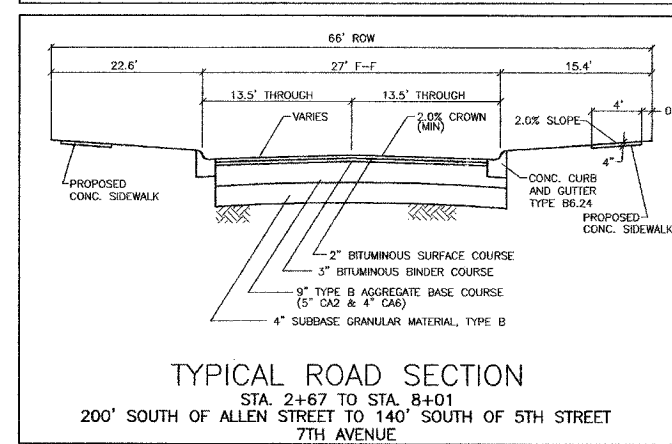
TYPICAL ROAD SECTION
STA. 1+01 TO STA. 2+67
ALLEN STREET TO 200' SOUTH OF ALLEN STREET
7TH AVENUE



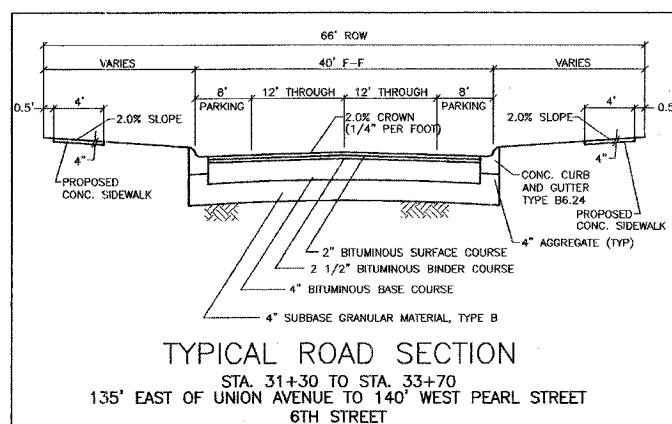
TYPICAL ROAD SECTION
STA. 26+00 TO STA. 31+30
MAPLE AVENUE TO 135' EAST OF UNION AVENUE
6TH STREET



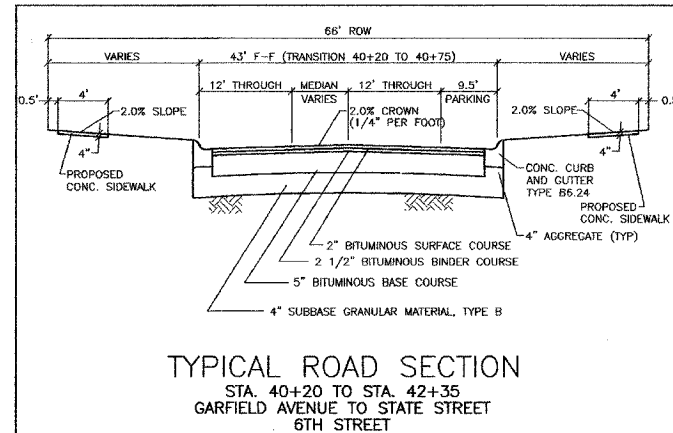
TYPICAL ROAD SECTION
STA. 34+70 TO STA. 37+20
6TH STREET TO 6TH STREET
PEARL STREET



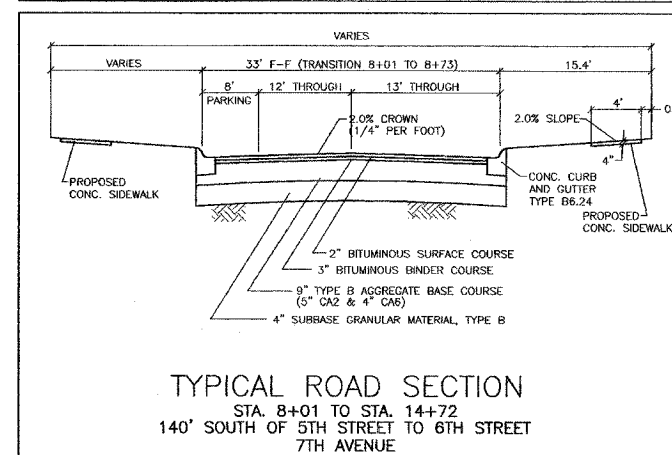
TYPICAL ROAD SECTION
STA. 2+67 TO STA. 8+01
200' SOUTH OF ALLEN STREET TO 140' SOUTH OF 5TH STREET
7TH AVENUE



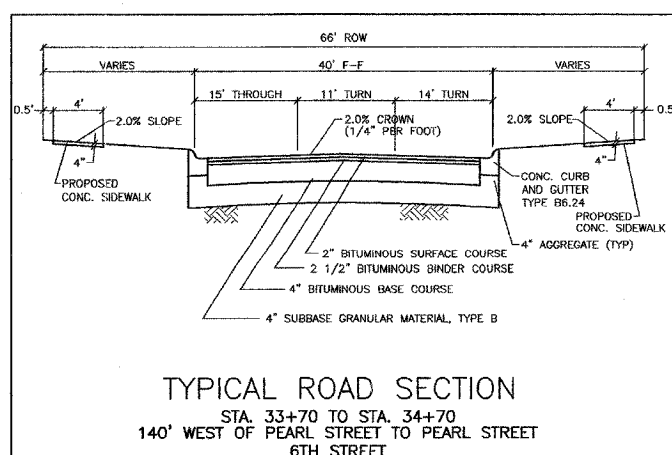
TYPICAL ROAD SECTION
STA. 31+30 TO STA. 33+70
135' EAST OF UNION AVENUE TO 140' WEST PEARL STREET
6TH STREET



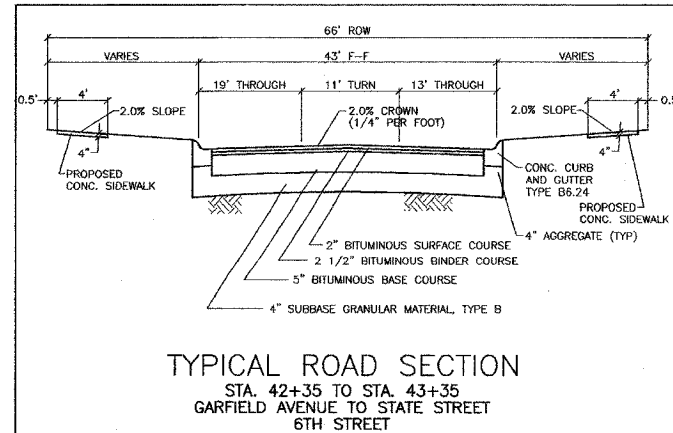
TYPICAL ROAD SECTION
STA. 40+20 TO STA. 42+35
GARFIELD AVENUE TO STATE STREET
6TH STREET



TYPICAL ROAD SECTION
STA. 8+01 TO STA. 14+72
140' SOUTH OF 5TH STREET TO 6TH STREET
7TH AVENUE



TYPICAL ROAD SECTION
STA. 33+70 TO STA. 34+70
140' WEST OF PEARL STREET TO PEARL STREET
6TH STREET



TYPICAL ROAD SECTION
STA. 42+35 TO STA. 43+35
GARFIELD AVENUE TO STATE STREET
6TH STREET

STRUCTURAL PAVEMENT DESIGN
6TH STREET
FROM 7TH AVE. TO PEARL ST.

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 3277 SU = 335 MU = 112

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.81 AC TYPE = AC-10 MOD
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 64-28 SURFACE = PG 64-28

SUBGRADE SUPPORT RATING:
SSR = POOR (STA. 15+18 TO 37+00)

MIX DESIGN = SUPERPAVE N50

STRUCTURAL PAVEMENT DESIGN
6TH STREET
FROM PEARL ST. TO STATE ST.

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 4270 SU = 437 MU = 147

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 1.30 AC TYPE = AC-10 MOD
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 64-28 SURFACE = PG 64-28

SUBGRADE SUPPORT RATING:
SSR = POOR (STA. 37+00 TO 43+59)

MIX DESIGN = SUPERPAVE N50

STRUCTURAL PAVEMENT DESIGN
7TH AVENUE

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 745 SU = 158 MU = 28

ROAD/STREET CLASSIFICATION: CLASS III

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.28 AC TYPE = AC-10
MINIMUM TF = 0.5

PG GRADE: BINDER = PG 58-22 SURFACE = PG 58-22

SUBGRADE SUPPORT RATING:
IBR = 3
STRUCTURAL NUMBER = 3.4

MIX DESIGN = N50

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR 6TH STREET IN THIS PROJECT.				THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR 7TH AVENUE IN THIS PROJECT.		
LOCATION(S):				LOCATION(S):		
MIXTURE USE(S):	BASE	BINDER	SURFACE	MIXTURE USE(S):	BINDER	SURFACE
PG:	PG 64-28	PG 64-28	PG 64-28	PG:	PG 58-22	PG 58-22
RAP %: (MAX)	25	15	0	RAP %: (MAX)	15	0
DESIGN AIR VOIDS:	4.0	4.0	4.0	DESIGN AIR VOIDS:	4.0	4.0
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-25.0	IL-19.0	IL-12.5/9.5	MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-12.5/9.5
FRICTION AGGREGATE:	MIX B	MIX B	MIX C	FRICTION AGGREGATE:	MIX B	MIX C
MIXTURE WEIGHT:	112	112	112	MIXTURE WEIGHT:	112	112

ROSARIO S. TARARA
LAND SURVEYING, INC.

3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815) 397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.

111 W. HURLBUT AVE. BELVIDERE, IL
TELEPHONE (815) 547-3406

ISSUE DATE: 03/24/2005 REVISION NO. & DATE: PROJECT NO.: 372

SCHEDULE OF QUANTITIES 1000 PARTICIPATING 6TH STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	4

85356

DRIVEWAY PAVEMENT REMOVAL

LOCATION	SQ YD	LOCATION	SQ YD
STA. 15+86	30	STA. 25+00	18
STA. 16+12	22	STA. 26+78	13
STA. 17+26	27	STA. 26+97	39
STA. 17+49	19	STA. 27+21&27+72	60
STA. 18+10	26	STA. 28+27	29
STA. 18+15	17	STA. 28+86	27
STA. 18+28	17	STA. 28+94	16
STA. 18+76	21	STA. 31+06	14
STA. 19+35	42	STA. 31+18	26
STA. 19+44	17	STA. 31+91&32+03	21
STA. 19+62	30	STA. 32+04	21
STA. 19+64	19	STA. 32+94&33+51	185
STA. 20+28	21	STA. 33+36	27
STA. 20+41	31	STA. 33+85	62
STA. 20+67	25	STA. 38+13	21
STA. 22+28	16	STA. 38+41	14
STA. 23+13	35	STA. 40+88	13
STA. 23+43	33	STA. 41+01	15
STA. 23+82	30	STA. 41+05	12
STA. 24+04	21	STA. 41+76&41+96	38
STA. 24+32	18	STA. 42+29	12
		STA. 42+47	12
TOTAL: 1217			

SIDEWALK REMOVAL

LOCATION	SQ FT
STA. 15+42 TO 20+53 (L)	2049
STA. 17+15 TO 17+18 (R)	48
STA. 17+43 TO 20+83 (R)	1359
STA. 20+50 TO 20+55 (R)	48
STA. 22+18 TO 22+93 (L)	352
STA. 22+52 TO 22+55 (R)	60
STA. 23+56 TO 24+22 (L)	264
STA. 23+99 TO 24+03 (R)	56
STA. 25+54 TO 25+58 (L)	52
STA. 25+54 TO 25+66 (R)	82
STA. 26+18 TO 26+22 (L)	28
STA. 26+57 TO 26+61 (R)	18
STA. 27+96 TO 28+00 (R)	24
STA. 28+03 TO 28+06 (L)	39
STA. 30+35 TO 33+25 (R)	1180
STA. 30+45 TO 31+02 (L)	231
STA. 31+10 TO 34+91 (L)	1552
STA. 32+33 TO 33+37 (R)	36
STA. 33+42 TO 34+87 (R)	607
STA. 37+02 TO 39+59 (R)	1091
STA. 37+02 TO 39+61 (L)	1142
STA. 39+94 TO 43+54 (R)	1713
STA. 39+96 TO 43+56 (L)	1554
TOTAL: 13597	

STORM SEWER REMOVAL

LOCATION	FT
STA. 15+52 (15' R) TO 15+61 (15' L)	32
STA. 20+32 (18' L) TO 20+32 (22' L)	4
STA. 23+93 (L) TO 24+13 (L)	20
STA. 29+98 (6' L) TO 29+98 (17' R)	37
STA. 29+83 (20' L) TO 30+49 (20' L)	66
STA. 28+15 (18' L) TO 28+45 (18' L)	30
STA. 31+05 TO 31+25 (20' L)	20
STA. 31+84 TO 32+12 (20' L)	28
STA. 39+35 TO 40+00 (20' R)	63
STA. 39+45 TO 39+58 (18' L)	13
STA. 39+58 (18' L) TO 39+83 (18' R)	46
STA. 39+98 (21' L) TO 39+83 (18' R)	43
STA. 39+83 (18' R) TO 39+83 (45' R)	27
STA. 101+19 (2' R) TO 104+19 (5' R)	300
TOTAL: 729	

REMOVING INLETS

LOCATION	EACH	LOCATION	EACH
STA. 15+52 (16' R)	1	STA. 39+58 (20' L)	1
STA. 15+61 (16' L)	1	STA. 39+98 (22' L)	1
STA. 39+54 (19' R)	1	STA. 40+00 (20' R)	1
TOTAL: 6			

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	FT
STA. 15+38 (R) TO 21+70 (R)	665
STA. 15+43 (L) TO 21+70 (R)	675
STA. 34+22 (L) TO 34+92 (L)	39
STA. 34+71 (R) TO 34+92 (R)	45
STA. 36+99 (L) TO 37+22 (L)	42
STA. 36+99 (R) TO 37+21 (R)	45
STA. 39+46 (R) TO 39+61 (R)	42
STA. 39+46 (L) TO 39+61 (L)	40
STA. 39+95 (R) TO 40+11 (R)	46
STA. 39+96 (L) TO 40+11 (L)	46
STA. 43+42 (L) TO 43+56 (L)	26
STA. 43+42 (R) TO 43+54 (R)	24
TOTAL: 1734	

REMOVING MANHOLES

LOCATION	EACH	LOCATION	EACH
STA. 17+71	1	STA. 30+32	1
STA. 20+04	1	STA. 32+23	1
STA. 21+95	1	STA. 35+12	1
STA. 23+54	1	STA. 37+29	1
STA. 25+85	1	STA. 39+45	1
STA. 26+06	1	STA. 39+89	1
STA. 27+94	1	STA. 102+63	1
STA. 30+15	1	STA. 103+39	1
TOTAL: 16			

FIRE HYDRANT TO BE REMOVED

LOCATION	EACH	LOCATION	EACH
STA. 15+62	1	STA. 30+38	1
STA. 19+51	1	STA. 41+02	1
STA. 26+13	1		
TOTAL: 5			

CONCRETE REMOVAL (SPECIAL)

LOCATION	SQ YD
STA. 101+30 TO 104+14	333
TOTAL: 333	

BITUMINOUS SURFACE REMOVAL 1 1/2"

LOCATION	SQ YD
STA. 15+00 TO 15+36	114
STA. 34+95 TO 36+80	31
STA. 43+59 TO 44+12	238
TOTAL: 383	

EARTH EXCAVATION

LOCATION	CU YD
STA. 14+72 TO 43+59	6057
TOTAL: 6057	

SUB-BASE GRANULAR MATERIAL, TYPE B

LOCATION	CU YD
STA. 15+50 TO 34+50	300
STA. 37+21 TO 43+35	200
TOTAL: 500	

SUB-BASE GRANULAR MATERIAL, TYPE B 4"

LOCATION	SQ YD
STA. 14+72 TO 43+59	11946
TOTAL: 11946	

BITUMINOUS BASE COURSE 5"

LOCATION	SQ YD
STA. 14+72 TO 34+70	4374
TOTAL: 4374	

BITUMINOUS BASE COURSE 4"

LOCATION	SQ YD
STA. 34+70 TO 43+59	7742
TOTAL: 7742	

BITUMINOUS CONCRETE SURFACE COURSE 2"

LOCATION	SQ YD
STA. 14+72 TO 34+70	5941
STA. 37+20 TO 43+59	2926
TOTAL: 8867	

BIT. CONCRETE SURFACE OVERLAY 1 1/2"

LOCATION	SQ YD
STA. 34+70 TO 37+20	1393
TOTAL: 1393	

BIT. CONCRETE BINDER COURSE 2 1/2"

LOCATION	SQ YD
STA. 14+72 TO 43+59	11275
TOTAL: 11275	

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	GALS
STA. 14+72 TO 43+59	9397
TOTAL: 9397	

PORTLAND CEMENT CONCRETE BASE COURSE 8"

LOCATION	SQ YD
STA. 43+59 TO 43+94	40
TOTAL: 40	

PORTLAND CEMENT CONCRETE PAVEMENT 8"

LOCATION	SQ YD
STA. 101+30 TO 104+14	333
TOTAL: 333	

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

LOCATION	FT
STA. 14+72 TO 21+70 (L)	667
STA. 15+38 TO 21+72 (R)	660
STA. 22+05 TO 25+72 (L)	399
STA. 22+05 TO 25+67 (R)	397
STA. 26+04 TO 30+00 (L)	425
STA. 26+00 TO 30+00 (R)	426
STA. 30+32 TO 34+92 (L)	487
STA. 30+32 TO 34+92 (R)	484
STA. 36+99 TO 39+61 (L)	295
STA. 36+99 TO 39+61 (R)	311
STA. 39+96 TO 43+56 (L)	397
STA. 39+96 TO 43+56 (R)	385
TOTAL: 5333	

CONCRETE GUTTER, TYPE B

LOCATION	FT	LOCATION	FT
STA. 21+70 (R)	10	STA. 26+02 (R)	10
STA. 22+05 (R)	10	STA. 29+98 (R)	10
STA. 25+68 (R)	10	STA. 30+33 (R)	10
TOTAL: 60			

PORTLAND CEMENT CONCRETE SIDEWALK 4"

LOCATION	SQ FT	LOCATION	SQ FT
STA. 15+43 TO 15+77(L)	164	STA. 27+02 TO 28+18(L)	446
STA. 15+43 TO 16+07(R)	289	STA. 27+59 TO 28+85(R)	506
STA. 15+95 TO 17+18(L)	494	STA. 28+35 TO 28+77(L)	166
STA. 16+17 TO 17+44(R)	508	STA. 28+95 TO 29+99(L)	457
STA. 17+34 TO 17+98(L)	262	STA. 29+02 TO 29+99(R)	417
STA. 17+55 TO 18+09(R)	222	STA. 30+34 TO 30+99(R)	300
STA. 18+34 TO 19+23(L)	362	STA. 30+34 TO 31+10(L)	345
STA. 18+20 TO 18+70(R)	198	STA. 31+13 TO 31+85(R)	291
STA. 18+83 TO 19+38(R)	226	STA. 31+26 TO 31+99(L)	297
STA. 19+47 TO 19+57(L)	46	STA. 32+09 TO 33+29(R)	483
STA. 19+71 TO 20+29(L)	238	STA. 32+10 TO 32+87(L)	307
STA. 19+72 TO 20+22(R)	206	STA. 33+01 TO 33+39(L)	143
STA. 20+53 TO 21+66(L)	473	STA. 33+41 TO 33+73(R)	123
STA. 20+35 TO 20+90(R)	228	STA. 33+63 TO 34+90(L)	547
STA. 21+03 TO 21+66(R)	283	STA. 33+98 TO 34+87(R)	407
STA. 22+09 TO 23+33(L)	599	STA. 37+02 TO 39+58(L)	1065
STA. 22+09 TO 23+02(R)	274	STA. 37+02 TO 38+03(R)	442
STA. 23+24 TO 23+73(R)	202	STA. 38+24 TO 38+35(R)	51
STA. 23+52 TO 23+95(L)	174	STA. 38+46 TO 39+54(R)	472
STA. 24+12 TO 24+27(L)	62	STA. 40+00 TO 40+94(R)	412
STA. 24+37 TO 25+69(L)	565	STA. 40+02 TO 40+83(L)	339
STA. 23+91 TO 24+95(R)	418	STA. 40+93 TO 40+99(L)	31
STA. 25+05 TO 25+65(R)	273	STA. 41+12 TO 42+23(L)	486
STA. 26+04 TO 26+73(R)	300	STA. 41+09 TO 41+70(R)	259
STA. 26+10 TO 26+91(L)	342	STA. 42+11 TO 43+54(R)	646
STA. 26+85 TO 27+10(R)	98	STA. 42+53 TO 43+55(L)	461
STA. 15+00 (R)	15	STA. 29+85 (R)	15
STA. 15+25 (R)	15	STA. 30+50 (L)	15
STA. 15+50 (L)	15	STA. 30+50 (R)	15
STA. 15+50 (R)	15	STA. 34+80 (L)	15
STA. 21+60 (L)	15	STA. 34+80 (R)	15
STA. 21+60 (R)	15	STA. 37+10 (L)	15
STA. 22+15 (L)	15	STA. 37+10 (R)	15
STA. 22+15 (R)	15	STA. 39+47 (L)	15
STA. 25+55 (L)	15	STA. 39+47 (R)	15
STA. 25+55 (R)	15	STA. 40+10 (L)	15
STA. 26+10 (L)	15	STA. 40+10 (R)	15
STA. 26+10 (R)	15	STA. 43+47 (L)	15
STA. 29+85 (L)	15	STA. 43+47 (R)	15
TOTAL: 17796			

PORTLAND CEMENT CONCRETE SIDEWALK 6"

LOCATION	SQ FT	LOCATION	SQ FT
STA. 15+77 TO 15+95(L)	72	STA. 26+91 TO 27+02(L)	88
STA. 16+07 TO 16+17(R)	40	STA. 27+10 TO 27+59(R)	196
STA. 17+18 TO 17+34(L)	64	STA. 28+18 TO 28+35(L)	68
STA. 17+44 TO 17+55(R)	44	STA. 28+77 TO 28+95(L)	72
STA. 17+98 TO 18+34(L)	144	STA. 28+85 TO 29+02(R)	68
STA. 18+09 TO 18+20(R)	44	STA. 30+99 TO 31+13(R)	56
STA. 18+70 TO 18+83(R)	52	STA. 31+10 TO 31+26(L)	64
STA. 19+23 TO 19+42(L)	96	STA. 31+85 TO 32+09(R)	96
STA. 19+38 TO 19+72(R)	136	STA. 31+99 TO 32+10(L)	44
STA. 19+57 TO 19+61(L)	56	STA. 32+87 TO 33+01(L)	72
STA. 20+22 TO 20+35(R)	52	STA. 33+39 TO 33+63(L)	96
STA. 20+29 TO 20+53(L)	97	STA. 33+29 TO 33+44(R)	60
STA. 20+90 TO 21+03(R)	52	STA. 33+73 TO 33+98(R)	100
STA. 22+22 TO 22+33(R)	44	STA. 38+03 TO 38+24(R)	84
STA. 23+02 TO 23+24(R)	88	STA. 38+35 TO 38+46(R)	44
STA. 23+33 TO 23+52(L)	76	STA. 40+83 TO 40+93(L)	40
STA. 23+73 TO 23+91(R)	72	STA. 40+94 TO 41+09(R)	60
STA. 23+95 TO 23+12(L)	68	STA. 40+99 TO 41+12(L)	52
STA. 24+27 TO 24+37(L)	40		

SCHEDULE OF QUANTITIES
1000 PARTICIPATING
6TH STREET

STORM SEWER, HDPE, 8"

LOCATION	FT
STA. 23+50	27
STA. 24+75	28
TOTAL:	55

MANHOLES, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID

LOCATION	EACH	LOCATION	EACH
STA. 30+35	1	STA. 102+80	1
TOTAL:	2		

MANHOLES, TYPE A, 5' DIA., TYPE 1 FRAME, OPEN LID

LOCATION	EACH	LOCATION	EACH
STA. 6+84	1	STA. 15+66	1
STA. 9+70	1	STA. 18+55	1
STA. 10+96	1	STA. 21+67	1
STA. 13+88	1	STA. 22+42	1
STA. 13+95	1	STA. 26+29	1
STA. 15+26	1	STA. 39+84	1
TOTAL:	12		

INLETS, SPECIAL, NO. 1

LOCATION	EACH	LOCATION	EACH
STA. 39+33	1	STA. 39+99 (R)	1
STA. 39+58	1	STA. 39+99 (L)	1
TOTAL:	4		

INLETS, SPECIAL, NO. 2

LOCATION	EACH	LOCATION	EACH
STA. 15+66	1	STA. 25+70	1
STA. 15+67	1	STA. 26+07	1
STA. 18+55 (R)	1	STA. 26+29 (R)	1
STA. 18+55 (L)	1	STA. 26+29 (L)	1
STA. 21+67	1	STA. 29+98	1
STA. 22+08	1	STA. 30+35	1
STA. 22+38	1	STA. 31+50 (R)	1
STA. 22+44	1	STA. 31+50 (L)	1
TOTAL:	16		

AREA DRAIN

LOCATION	EACH	LOCATION	EACH
STA. 23+50	1	STA. 24+75	1
TOTAL:	2		

TRENCH BACKFILL

LOCATION	CU YD
STA. 14+72 TO 31+50 (STM)	1378
STA. 39+57 TO 104+19 (STM)	241
STA. 101+19 TO 104+19 (STM)	297
TOTAL:	1916

FRAME AND GRATES TO BE ADJUSTED (SPECIAL)

LOCATION	EACH	LOCATION	EACH
STA. 35+23	1	STA. 37+04 (R)	1
STA. 36+80	1	STA. 43+53	1
STA. 37+02	1	STA. 43+54	1
STA. 37+04 (L)	1		
TOTAL:	7		

SANITARY SERVICE ADJUSTMENT

LOCATION	EACH	LOCATION	EACH
STA. 102+07	1	STA. 103+47	1
TOTAL:	2		

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

LOCATION	EACH	LOCATION	EACH
STA. 15+59	1	STA. 30+64	1
STA. 18+97	1	STA. 41+02	1
STA. 22+45	1	STA. 43+30	1
STA. 26+36	1		
TOTAL:	7		

SCHEDULE OF QUANTITIES
NON-PARTICIPATING
7TH AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	5

DRIVEWAY PAVEMENT REMOVAL

LOCATION	SQ YD	LOCATION	SQ YD
STA. 1+76	20	STA. 8+14	26
STA. 2+74	60	STA. 8+78	22
STA. 2+79	40	STA. 9+10	32
STA. 3+37	25	STA. 10+24	28
STA. 4+89	31	STA. 11+75	31
STA. 6+14	94	STA. 12+75	47
STA. 7+14 & 7+64	132	STA. 13+99	12
STA. 7+71	72	TOTAL:	672

SIDEWALK REMOVAL

LOCATION	SQ FT
STA. 0+85 (L) TO 1+01 (L)	140
STA. 0+96 (R) TO 2+68 (R)	720
STA. 2+41 (L) TO 14+98 (L)	6716
STA. 3+13 (R) TO 5+63 (R)	937
STA. 13+62 (R) TO 14+10 (R)	192
STA. 14+75 (R) TO 15+01 (R)	125
STA. 15+19 (R)	72
TOTAL:	8902

STORM SEWER REMOVAL

LOCATION	FT
STA. 0+89 (24' L) TO 0+84 (17' R)	42
STA. 6+33 (32' L) TO 6+64 (22' L)	60
STA. 9+34 (15' R) TO 9+34 (11' L)	26
STA. 9+74 (24' R) TO 9+74 (33' R)	9
STA. 10+96 (2' R) TO 10+96 (17' L)	19
TOTAL:	156

REMOVING INLETS

LOCATION	EACH
STA. 11+36 (39' R)	1
TOTAL:	1

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	FT
STA. 0+82 (L) TO 1+44 (L)	91
STA. 2+07 (R) TO 2+27 (R)	20
STA. 2+45 (L) TO 3+20 (L)	88
STA. 2+67 (R) TO 3+12 (R)	45
STA. 4+42 (L) TO 4+52 (L)	10
STA. 5+58 (L) TO 6+71 (L)	130
STA. 7+36 (L) TO 8+01 (L)	67
STA. 13+52 (R) TO 14+72 (R)	118
TOTAL:	569

SANITARY SEWER REMOVAL

LOCATION	FT
STA. 11+21	20
STA. 11+21 TO 15+09 (30' R)	428
STA. 15+32 TO 20+04	472
STA. 20+08 TO 36+80	1672
STA. 21+95 (CL) TO 21+95 (30' L)	30
STA. 25+85 (3' R) TO 25+85 (27' L)	30
STA. 30+15 (1' R) TO 30+15 (29' L)	30
STA. 39+78 (30' R) TO 39+78 (30' L)	60
TOTAL:	2738

REMOVING MANHOLES

LOCATION	EACH	LOCATION	EACH
STA. 3+63	1	STA. 8+46	1
STA. 3+64(R)	1	STA. 10+98(40' R)	1
STA. 6+33	1	STA. 11+21	1
STA. 6+45	1	STA. 15+09	1
STA. 6+61	1		
TOTAL:	9		

VALVE BOXES TO BE REMOVED

LOCATION	EACH	LOCATION	EACH
STA. 0+78	1	STA. 11+30	1
STA. 5+80	1	STA. 11+38	1
STA. 6+45	1	STA. 15+15	1
STA. 15+57	1	STA. 29+83	1
STA. 19+48	1	STA. 30+57	1
STA. 26+00	1	STA. 40+12	1
STA. 26+05	1		
TOTAL:	13		

WATER SERVICE REMOVAL

LOCATION	EACH	LOCATION	EACH
STA. 2+04	1	STA. 8+43	1
STA. 3+21	1	STA. 9+48	1
STA. 3+92	1	STA. 10+50	1
STA. 7+61	1	STA. 11+51	1
STA. 15+73	1	STA. 22+52	1
STA. 16+17	1	STA. 23+20	1
STA. 16+53	1	STA. 23+37	1
STA. 16+92	1	STA. 23+92	1
STA. 17+17	1	STA. 24+11	1
STA. 17+76	1	STA. 26+52	1
STA. 17+81	1	STA. 26+54	1
STA. 18+41	1	STA. 27+89	1
STA. 18+46	1	STA. 28+06	1
STA. 18+99	1	STA. 29+23	1
STA. 19+04	1	STA. 31+06	1
STA. 19+76	1	STA. 32+20	1
STA. 19+98	1	STA. 32+36	1
STA. 20+31	1	STA. 33+20	1
STA. 20+73	1	STA. 34+41	1
STA. 21+20	1	STA. 41+18	1
STA. 21+43	1	STA. 42+19	1
STA. 22+41	1		
TOTAL:	43		

FIRE HYDRANT TO BE REMOVED

LOCATION	EACH	LOCATION	EACH
STA. 4+49	1	STA. 11+06	1
TOTAL:	2		

BACK OF CURB REMOVAL

LOCATION	FT
STA. 0+96 TO 1+00	4
STA. 1+61 TO 1+65	4
STA. 1+85 TO 1+90	5
STA. 2+87 TO 3+93	6
STA. 14+90 TO 14+95	5
STA. 15+00 TO 15+02	5
STA. 15+19	9
TOTAL:	38

EARTH EXCAVATION

LOCATION	CU YD
STA. 0+54 TO 14+72	3497
TOTAL:	3497

SUB-BASE GRANULAR MATERIAL, TYPE B

LOCATION	CU YD
STA. 0+54 TO 14+72	200
TOTAL:	200

AGGREGATE BASE COURSE, TYPE B 9"

LOCATION	SQ YD
STA. 0+54 TO 14+72	5469
TOTAL:	5469

SUB-BASE GRANULAR MATERIAL, TYPE B 4"

LOCATION	SQ YD
STA. 0+54 TO 14+72	5469
TOTAL:	5469

BITUMINOUS CONCRETE SURFACE COURSE 2"

LOCATION	SQ YD
STA. 0+54 TO 14+72	5469
TOTAL:	5469

BITUMINOUS CONCRETE BINDER COURSE 3"

LOCATION	SQ YD
STA. 0+54 TO 14+72	5469
TOTAL:	5469

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	GALS
STA. 0+54 TO 14+72	4924
TOTAL:	4924

ROSARIO S. TARARA		DESIGN FIRM
LAND SURVEYING, INC.		NUMBER:
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333		184-002928 (35-002994)
CARROLL ENGINEERING & ASSOCIATES, P.C.		
111 W. HURLBUT AVE.		BELVIDERE, IL
TELEPHONE		(815) 547-3406
DATE: 03/24/2005	REVISION NO. & DATE:	PROJECT NO.: 372

SCHEDULE OF QUANTITIES NON-PARTICIPATING 7TH AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	6

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

LOCATION	FT
STA. 0+82 TO 1+44 (L)	91
STA. 2+07 TO 2+27 (R)	20
STA. 2+45 TO 3+20 (L)	88
STA. 4+42 TO 6+42 (R)	391
STA. 4+42 TO 4+52 (L)	10
STA. 5+58 TO 6+71 (L)	130
STA. 7+36 TO 8+01 (L)	67
STA. 6+72 TO 11+02 (R)	460
STA. 8+01 TO 14+72 (L)	672
STA. 11+33 TO 14+72 (R)	353
TOTAL:	2282

PORTLAND CEMENT CONCRETE SIDEWALK 4"

LOCATION	SQ FT	LOCATION	SQ FT
STA. 0+85 TO 1+00(L)	118	STA. 8+20 TO 8+72(R)	208
STA. 0+96 TO 1+66(R)	304	STA. 8+83 TO 9+00(R)	72
STA. 1+86 TO 2+69(R)	336	STA. 9+18 TO 10+17(R)	392
STA. 2+41 TO 2+61(L)	98	STA. 10+30 TO 10+99(R)	299
STA. 2+88 TO 5+92(L)	2024	STA. 11+37 TO 11+87(R)	149
STA. 2+89 TO 3+27(R)	154	STA. 11+82 TO 12+64(R)	328
STA. 3+47 TO 4+78(R)	522	STA. 12+86 TO 13+91(R)	386
STA. 5+00 TO 6+38(R)	585	STA. 14+04 TO 14+10(R)	12
STA. 6+37 TO 7+55(L)	738	STA. 14+75 TO 15+01(R)	105
STA. 7+79 TO 8+06(R)	110	STA. 15+19	52
STA. 7+88 TO 14+98(L)	3351		
STA. 0+93 (L)	15	STA. 6+88 (R)	15
STA. 0+98 (R)	15	STA. 14+88 (L)	15
STA. 6+27 (R)	15	STA. 14+92 (R)	15
STA. 6+37 (R)	15		
STA. 6+78 (R)	15		
TOTAL:	10463		

PORTLAND CEMENT CONCRETE SIDEWALK 6"

LOCATION	SQ FT	LOCATION	SQ FT
STA. 1+66 TO 1+86(R)	75	STA. 8+06 TO 8+20(R)	56
STA. 2+61 TO 2+86(L)	128	STA. 8+72 TO 8+83(R)	43
STA. 2+89 TO 2+89(R)	77	STA. 9+00 TO 9+18(R)	71
STA. 3+27 TO 3+47(R)	77	STA. 10+17 TO 10+30(R)	54
STA. 4+78 TO 5+00(R)	85	STA. 11+67 TO 11+82(R)	60
STA. 5+92 TO 6+37(L)	230	STA. 12+64 TO 12+86(R)	87
STA. 7+00 TO 7+79(R)	316	STA. 13+91 TO 14+04(R)	59
STA. 7+55 TO 7+88(L)	166		
TOTAL:	1584		

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

LOCATION	SQ YD	LOCATION	SQ YD
STA. 11+75	25	STA. 13+99	30
TOTAL:	55		

BITUMINOUS DRIVEWAY PAVEMENT

LOCATION	SQ YD	LOCATION	SQ YD
STA. 1+76	29	STA. 7+64	53
STA. 2+74	59	STA. 7+71	71
STA. 2+79	31	STA. 8+14	23
STA. 3+37	30	STA. 8+78	20
STA. 4+89	33	STA. 9+10	28
STA. 6+14	97	STA. 10+24	22
STA. 7+14	53	STA. 12+75	34
TOTAL:	583		

RAISED REFLECTIVE PAVEMENT MARKERS

LOCATION	EACH	LOCATION	EACH
STA. 1+19	1	STA. 6+48	1
STA. 11+15	1		
TOTAL:	3		

THERMOPLASTIC PAVEMENT MARKING, 18"

LOCATION	FT
STA. 1+00 TO 6+15	16
STA. 6+57	14
STA. 11+17	16
STA. 11+59 TO 14+78	33
TOTAL:	79

THERMOPLASTIC PAVEMENT MARKING, 6"

LOCATION	FT	LOCATION	FT
STA. 1+00	67	STA. 15+19	76
STA. 14+92	72		
TOTAL:	215		

THERMOPLASTIC PAVEMENT MARKING, 4"

LOCATION	FT
STA. 1+00 TO 6+15	927
STA. 7+00 TO 10+75	262
STA. 11+59 TO 14+78	80
TOTAL:	1269

TOPSOIL FURNISH AND PLACE, 4" & SODDING

LOCATION	SQ YD
STA. 0+54 TO 14+72	2454
TOTAL:	2454

STORM SEWERS, CLASS A, TYPE 1 12"

LOCATION	FT	LOCATION	FT
STA. 6+38 TO 6+76	38	STA. 9+90 (17' L TO 17' R)	37
TOTAL:	75		

STORM SEWERS, CLASS A, TYPE 1 15"

LOCATION	FT
STA. 6+76(38' R) TO 6+64(3' L)	45
TOTAL:	45

STORM SEWER DUCTILE IRON 15"

LOCATION	FT
STA. 0+89(24' L) TO 0+84(17' R)	42
TOTAL:	42

INLETS, SPECIAL, NO. 2

LOCATION	EACH	LOCATION	EACH
STA. 3+65	1	STA. 9+90(17' R)	1
STA. 6+38	1	STA. 10+97	1
STA. 6+76	1	STA. 10+98	1
STA. 9+90(17' L)	1	STA. 11+36	1
TOTAL:	8		

TRENCH BACKFILL

LOCATION	CU YD	LOCATION	CU YD
STA. 0+54 TO 15+19	3729	STA. 15+72 (SAN)	34.3
STA. 14+72 TO 34+72 (H2O)	1721	STA. 16+02 (SAN)	34.3
STA. 14+72 TO 36+80 (SAN)	2039	STA. 16+37 (SAN)	34.3
STA. 39+78 TO 41+76 (SAN)	300	STA. 16+85 (SAN)	34.3
STA. 39+94 TO 43+86 (H2O)	458	STA. 17+06 (SAN)	34.3
STA. 15+73 (H2O)	52.3	STA. 17+70 (SAN)	34.3
STA. 16+17 (H2O)	7.7	STA. 17+71 (SAN)	34.3
STA. 16+53 (H2O)	52.3	STA. 17+77 (SAN)	34.3
STA. 16+92 (H2O)	7.7	STA. 18+49 (SAN)	34.3
STA. 17+17 (H2O)	52.3	STA. 19+04 (SAN)	34.3
STA. 17+76 (H2O)	7.7	STA. 19+79 (SAN)	34.3
STA. 17+81 (H2O)	52.3	STA. 20+17 (SAN)	34.3
STA. 18+41 (H2O)	52.3	STA. 20+68 (SAN)	34.3
STA. 18+46 (H2O)	7.7	STA. 20+83 (SAN)	34.3
STA. 18+99 (H2O)	52.3	STA. 21+41 (SAN)	34.3
STA. 19+04 (H2O)	7.7	STA. 21+53 (SAN)	34.3
STA. 19+76 (H2O)	52.3	STA. 22+35 (SAN)	34.3
STA. 19+88 (H2O)	7.7	STA. 22+70 (SAN)	34.3
STA. 20+31 (H2O)	7.7	STA. 23+25 (SAN)	34.3
STA. 20+73 (H2O)	52.3	STA. 23+39 (SAN)	34.3
STA. 21+20 (H2O)	7.7	STA. 23+83 (SAN)	34.3
STA. 21+43 (H2O)	52.3	STA. 24+11 (SAN)	34.3
STA. 22+41 (H2O)	7.7	STA. 24+59 (SAN)	34.3
STA. 22+52 (H2O)	7.7	STA. 24+94 (SAN)	34.3
STA. 23+20 (H2O)	7.7	STA. 26+40 (SAN)	34.3
STA. 23+37 (H2O)	52.3	STA. 26+45 (SAN)	34.3
STA. 23+92 (H2O)	52.3	STA. 26+49 (SAN)	34.3
STA. 24+11 (H2O)	52.3	STA. 27+53 (SAN)	34.3
STA. 26+52 (H2O)	7.7	STA. 27+93 (SAN)	34.3
STA. 26+54 (H2O)	52.3	STA. 28+13 (SAN)	34.3
STA. 26+96 (H2O)	7.7	STA. 28+50 (SAN)	34.3
STA. 27+99 (H2O)	52.3	STA. 29+18 (SAN)	34.3
STA. 28+06 (H2O)	7.7	STA. 30+37 (SAN)	34.3
STA. 29+23 (H2O)	52.3	STA. 30+85 (SAN)	34.3
STA. 31+06 (H2O)	7.7	STA. 31+10 (SAN)	34.3
STA. 32+20 (H2O)	7.7	STA. 32+04 (SAN)	34.3
STA. 32+36 (H2O)	52.3	STA. 32+14 (SAN)	34.3
STA. 33+20 (H2O)	52.3	STA. 32+23 (SAN)	34.3
STA. 34+29 (H2O)	7.7	STA. 33+51 (SAN)	34.3
STA. 34+41 (H2O)	52.3	STA. 34+27 (SAN)	34.3
STA. 41+18 (H2O)	7.7	STA. 34+45 (SAN)	34.3
STA. 42+19 (H2O)	7.7	STA. 34+57 (SAN)	34.3
		STA. 34+59 (SAN)	34.3
		STA. 41+04 (SAN)	34.3
		STA. 41+62 (SAN)	34.3
		STA. 43+26 (SAN)	34.3
TOTAL:	10957		

EXPLORATORY TRENCH, SPECIAL

LOCATION	FT	LOCATION	FT
STA. 19+10	15	STA. 41+25	15
STA. 21+00	15		
TOTAL:	45		

FRAME AND GRATES TO BE ADJUSTED (SPECIAL)

LOCATION	EACH	LOCATION	EACH
STA. 0+67(3' L)	1	STA. 8+27(21' L)	1
STA. 0+85(17' R)	1	STA. 10+07(20' R)	1
STA. 0+86(44' L)	1	STA. 10+96(24' L)	1
STA. 0+88(24' L)	1	STA. 13+23(23' L)	1
STA. 3+15(23' L)	1	STA. 14+15(4' R)	1
STA. 5+09(16' R)	1	STA. 14+60(9' R)	1
STA. 6+64(23' L)	1		
TOTAL:	13		

SANITARY SEWER, PVC D3034, SDR 35, 8"

LOCATION	FT
STA. 11+21(10' R) TO 11+21(30' R)	20
STA. 11+21 TO 15+09	384
STA. 15+09 TO 15+32 (30' R)	30
STA. 15+32 (9' L) TO 20+22 (1' L)	490
STA. 20+77 (CL) TO STA. 21+95 (CL)	117
STA. 25+85 (3' R) TO 25+85 (33' R)	30
STA. 35+12 (2' R) TO STA. 36+82 (1' R)	170
STA. 39+78 (30' L) TO STA. 39+78 (30' R)	60
TOTAL:	1311

SANITARY SEWER, PVC C909, 8"

LOCATION	FT
STA. 39+78 (CL) TO 41+76 (CL)	195
STA. 25+85 (3' R) TO 25+85 (27' L)	30
TOTAL:	225

SANITARY SEWER, PVC D3034, SDR 35, 10"

LOCATION	FT
STA. 21+95 (CL) TO 35+12 (2' R)	1318
STA. 21+95 (CL) TO 21+95 (30' L)	30
TOTAL:	1348

SANITARY SEWER, PVC C909, 10"

LOCATION	FT
STA. 0+67 (39' L TO 71' L)	32
TOTAL:	32

SANITARY SERVICE REPLACEMENT

LOCATION	EACH	LOCATION	EACH
STA. 2+16	1	STA. 8+46	1
STA. 3+41	1	STA. 9+39	1
STA. 4+08	1	STA. 10+46	1
STA. 5+50	1	STA. 12+23	1
STA. 7+21	1	STA. 12+89	1
STA. 8+08	1	STA. 14+00	1
STA. 15+47	1	STA. 26+49	1
STA. 16+02	1	STA. 27+53	1
STA. 16+37	1	STA. 27+93	1
STA. 16+85	1	STA. 28+13	1
STA. 17+06	1	STA. 28+50	1
STA. 17+70	1	STA. 29+18	1
STA. 17+71	1	STA. 30+37	1
STA. 17+77	1	STA. 30+85	1
STA. 18+49	1	STA. 31+10	1
STA. 19+04	1	STA. 32+04	1
STA. 19+79	1	STA. 32+14	1
STA. 20+17	1	STA. 32+23	1
STA. 20+83	1	STA. 33+51	1
STA. 21+53	1	STA. 34+27	1
STA. 22+35	1	STA. 34+45	1
STA. 23+39	1	STA. 34+57	1
STA. 24+11	1	STA. 34+59	1
STA. 24+59	1	STA. 41+04	1
STA. 24+94	1	STA. 41+62	1
STA. 26+40	1	STA. 41+76	1
STA. 26+45	1	STA. 43+26	1
TOTAL:	52		

SANITARY SERVICE REPLACEMENT, WATERMAIN QUALITY

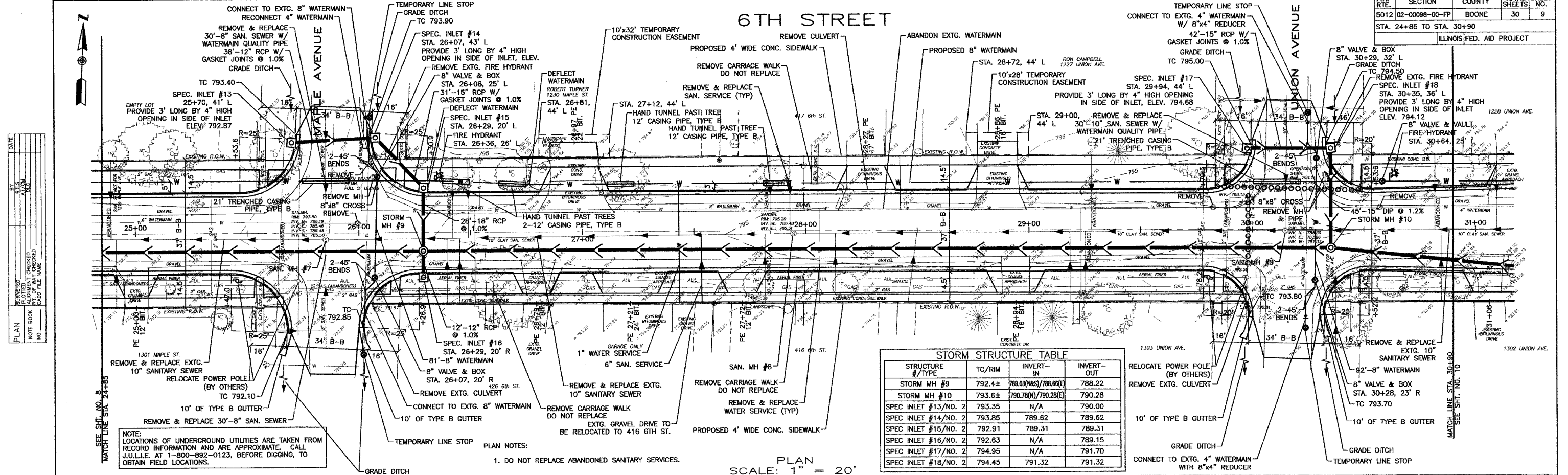
LOCATION	EACH	LOCATION	EACH
STA. 20+68	1	STA. 23+25	1
STA. 21+41	1	STA. 23+83	1
STA. 22+70	1	STA. 24+59	1
TOTAL:	6		

SANITARY MANHOLES, 4' DIA.

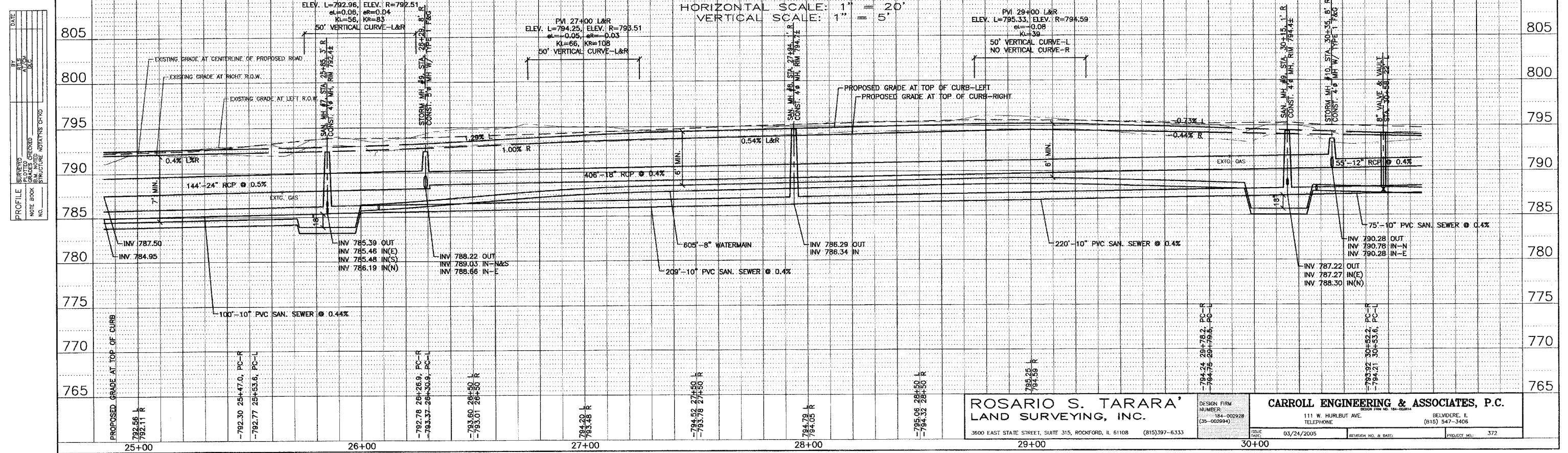
LOCATION	EACH	LOCATION	EACH
STA. 11+21	1	STA. 15+09	1
STA. 17+71	1	STA. 30+15	1
STA. 20+22	1	STA. 32+23	1
STA. 20+97	1	STA. 35+12	1
STA. 21+95	1	STA. 39+78	1
STA. 25+85	1	STA. 41+76	1
STA. 27+94	1		
TOTAL:	13		

REPAIRS TO SANIT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012 02-0098-00-0P		BOONE	30	9
STA. 24+85 TO STA. 30+90				
ILLINOIS FED. AID PROJECT				



STRUCTURE #/TYPE	TC/RIM	INVERT-IN	INVERT-OUT
STORM MH #9	792.4±	788.03(N/S)/788.66(E)	788.22
STORM MH #10	793.6±	790.78(N)/790.28(E)	790.28
SPEC INLET #13/NO. 2	793.35	N/A	790.00
SPEC INLET #14/NO. 2	793.85	789.62	789.62
SPEC INLET #15/NO. 2	792.91	789.31	789.31
SPEC INLET #16/NO. 2	792.63	N/A	789.15
SPEC INLET #17/NO. 2	794.95	N/A	791.70
SPEC INLET #18/NO. 2	794.45	791.32	791.32



ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

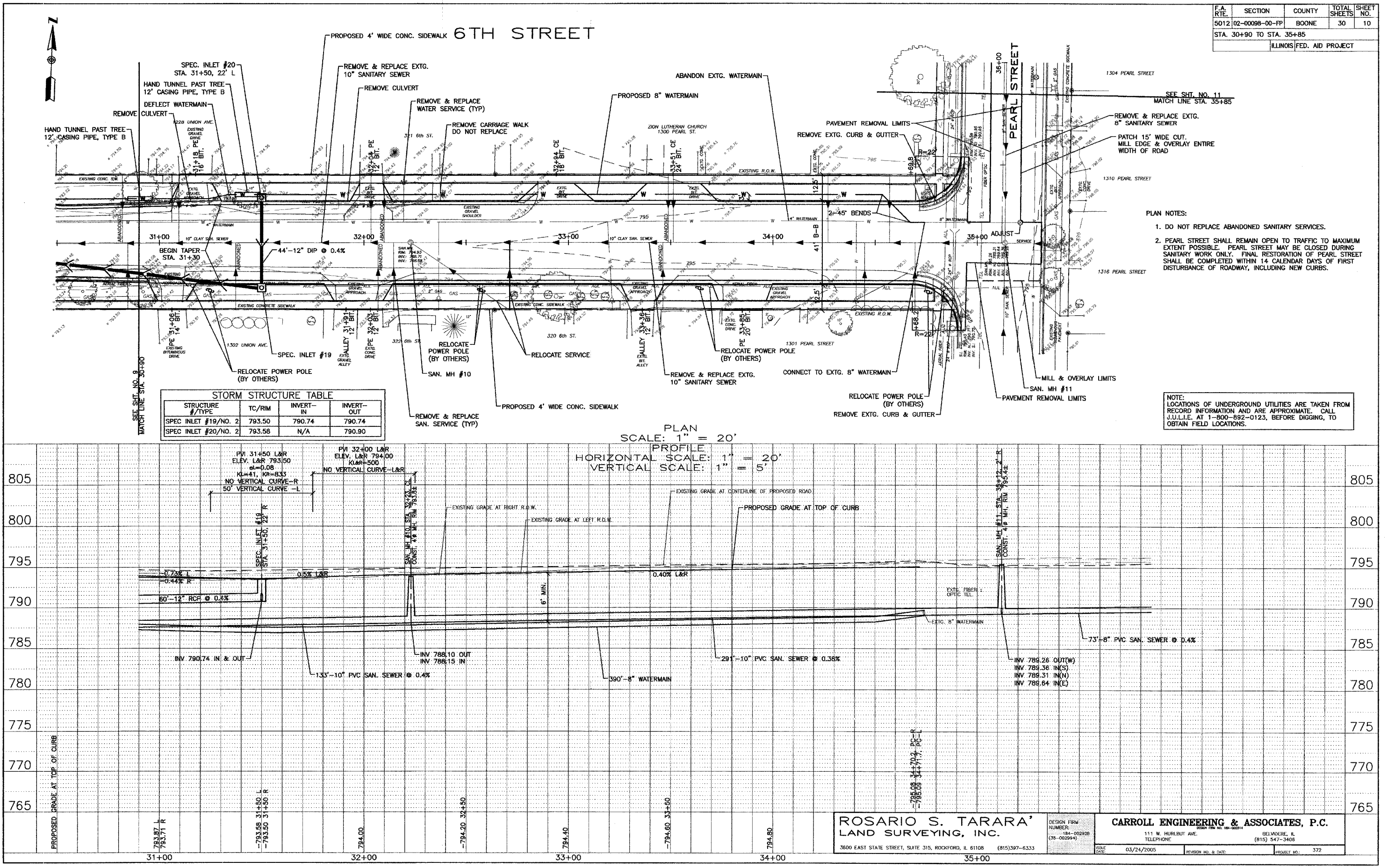
CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBUT AVE.
TELEPHONE: (815) 547-3406
BELVIDERE, IL

DESIGN FIRM NUMBER: 184-002928 (38-002994)
DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	10
STA. 30+90 TO STA. 35+85				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	DATE
CHECKED	DATE
APPROVED	DATE
NO. _____	

PROFILE	DATE
BY	DATE
CHECKED	DATE
APPROVED	DATE
NO. _____	



STORM STRUCTURE TABLE

STRUCTURE #/TYPE	TC/RIM	INVERT-IN	INVERT-OUT
SPEC INLET #19/NO. 2	793.50	790.74	790.74
SPEC INLET #20/NO. 2	793.58	N/A	790.90

- PLAN NOTES:
- DO NOT REPLACE ABANDONED SANITARY SERVICES.
 - PEARL STREET SHALL REMAIN OPEN TO TRAFFIC TO MAXIMUM EXTENT POSSIBLE. PEARL STREET MAY BE CLOSED DURING SANITARY WORK ONLY. FINAL RESTORATION OF PEARL STREET SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS OF FIRST DISTURBANCE OF ROADWAY, INCLUDING NEW CURBS.

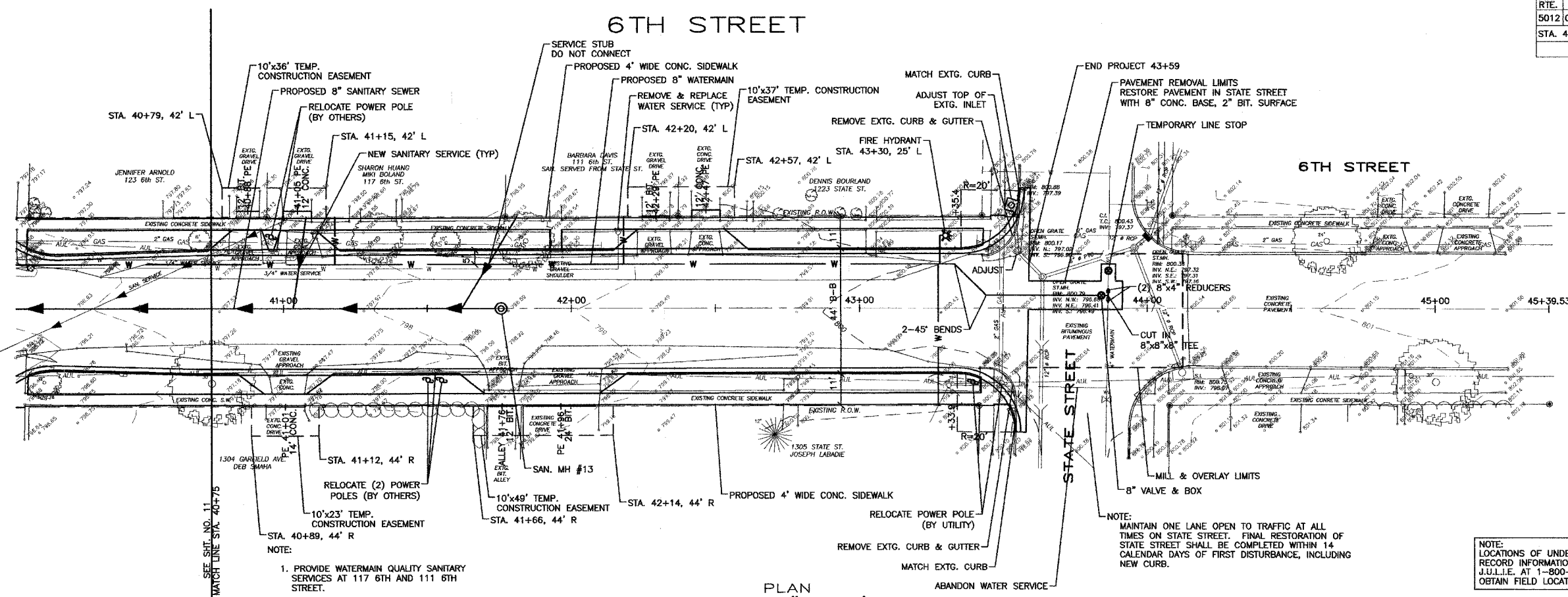
NOTE: LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.U.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.

ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBUT AVE. BELLEVILLE, IL (815) 547-3406

DESIGN FIRM NUMBER: 184-002928 (35-002994)
ISSUE DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	12
STA. 40+75 TO STA. 43+59				
ILLINOIS FED. AID PROJECT				

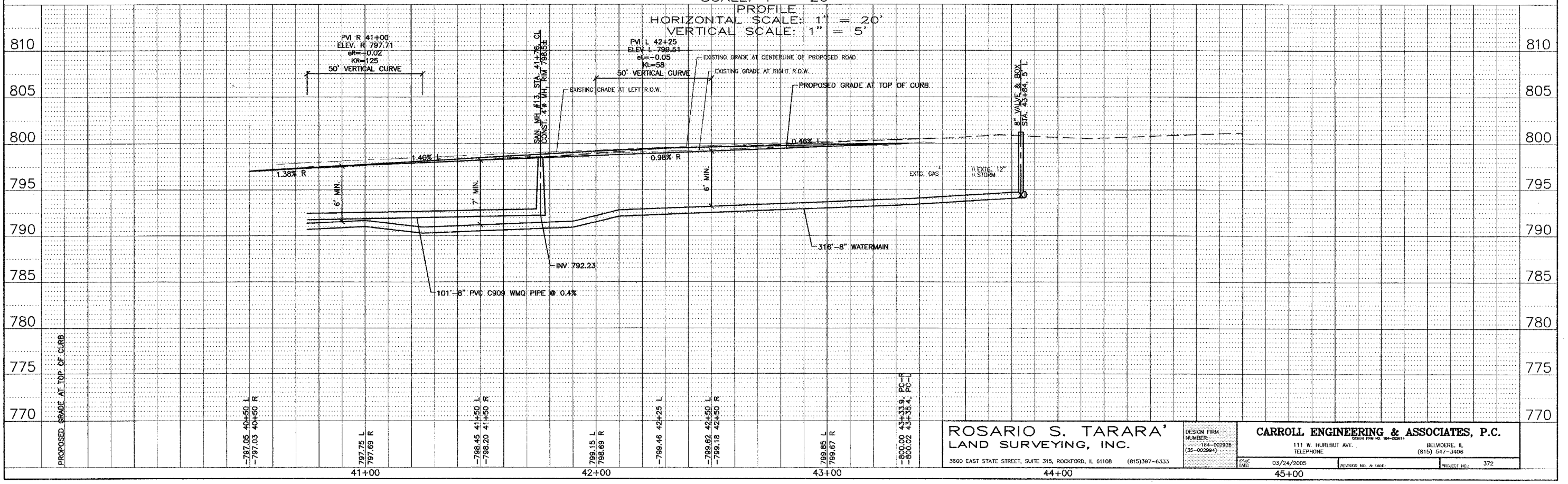


NOTE:
1. PROVIDE WATERMAIN QUALITY SANITARY SERVICES AT 117 6TH AND 111 6TH STREET.

NOTE:
MAINTAIN ONE LANE OPEN TO TRAFFIC AT ALL TIMES ON STATE STREET. FINAL RESTORATION OF STATE STREET SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS OF FIRST DISTURBANCE, INCLUDING NEW CURB.

NOTE:
LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.L.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.

PLAN SCALE: 1" = 20'
PROFILE SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

DESIGN FIRM NUMBER:
184-002928
(33-00294)

CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBUT AVE. BELVIDERE, IL (815) 547-3406

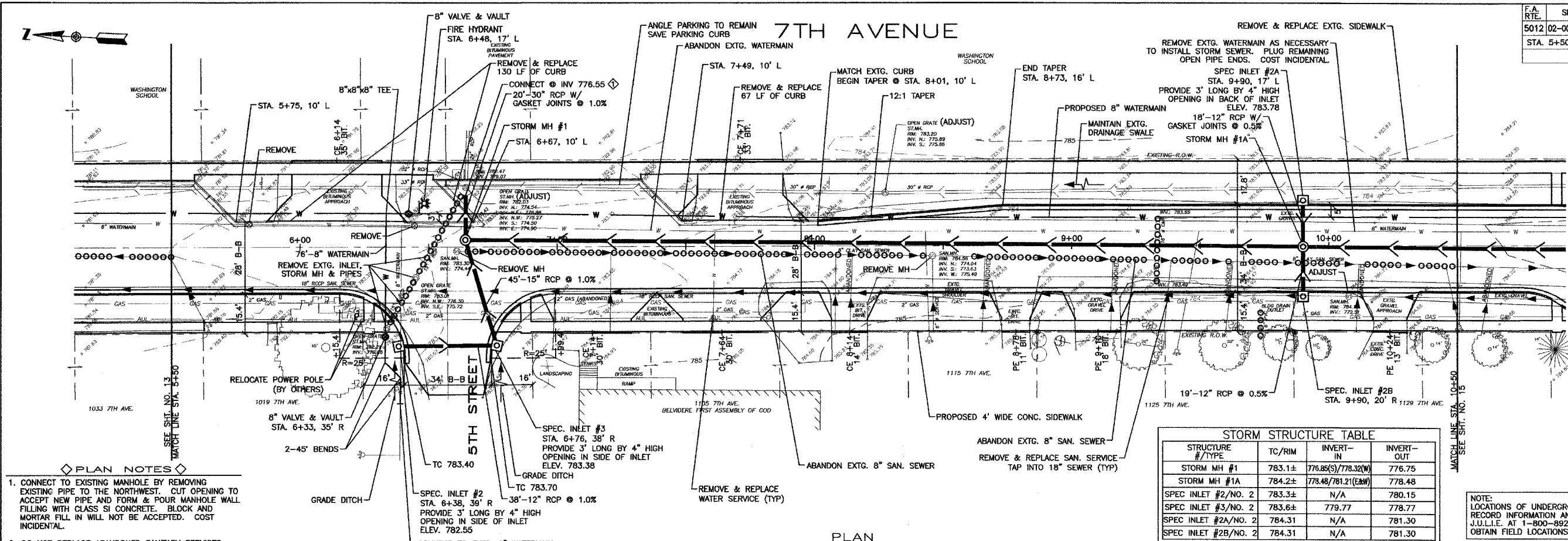
DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372

PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
CHECKED	BY
BY	DATE
NO.	

PROFILE	DATE
SURVEYED	BY
PLOTTED	DATE
CHECKED	BY
BY	DATE
NO.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	14
STA. 5+50 TO STA. 10+50				
ILLINOIS FED. AID PROJECT				

DATE	BY	DATE	BY
	AVS		AVS
	AVS		AVS
	AVS		AVS



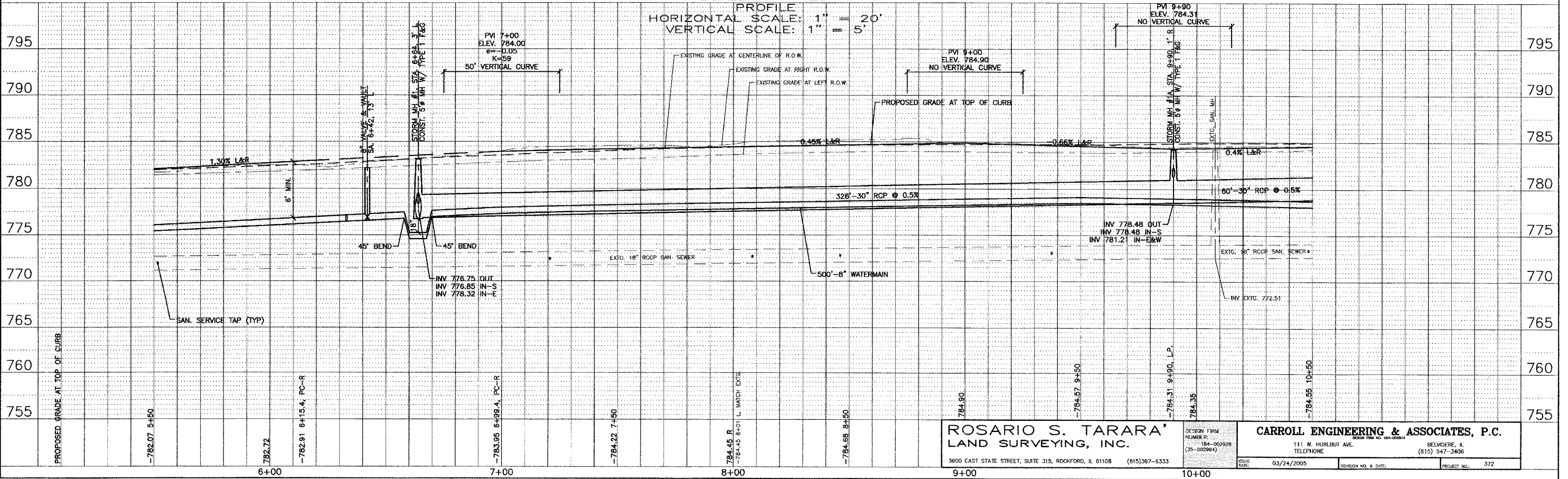
- PLAN NOTES**
- CONNECT TO EXISTING MANHOLE BY REMOVING EXISTING PIPE TO THE NORTHWEST. CUT OPENING TO ACCEPT NEW PIPE AND FORM & POUR MANHOLE WALL. FILLING WITH CLASS SI CONCRETE. BLOCK AND MORTAR FILL IN WILL NOT BE ACCEPTED. COST INCIDENTAL.
 - DO NOT REPLACE ABANDONED SANITARY SERVICES.

STORM STRUCTURE TABLE

STRUCTURE #/TYPE	TC/RIM	INVERT-IN	INVERT-OUT
STORM MH #1	783.1±	776.86(S)/778.32(W)	776.75
STORM MH #1A	784.2±	778.48/781.21(E&W)	778.48
SPEC INLET #2/NO. 2	783.3±	N/A	780.15
SPEC INLET #3/NO. 2	783.6±	779.77	778.77
SPEC INLET #2A/NO. 2	784.31	N/A	781.30
SPEC INLET #2B/NO. 2	784.31	N/A	781.30

NOTE: LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.U.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.

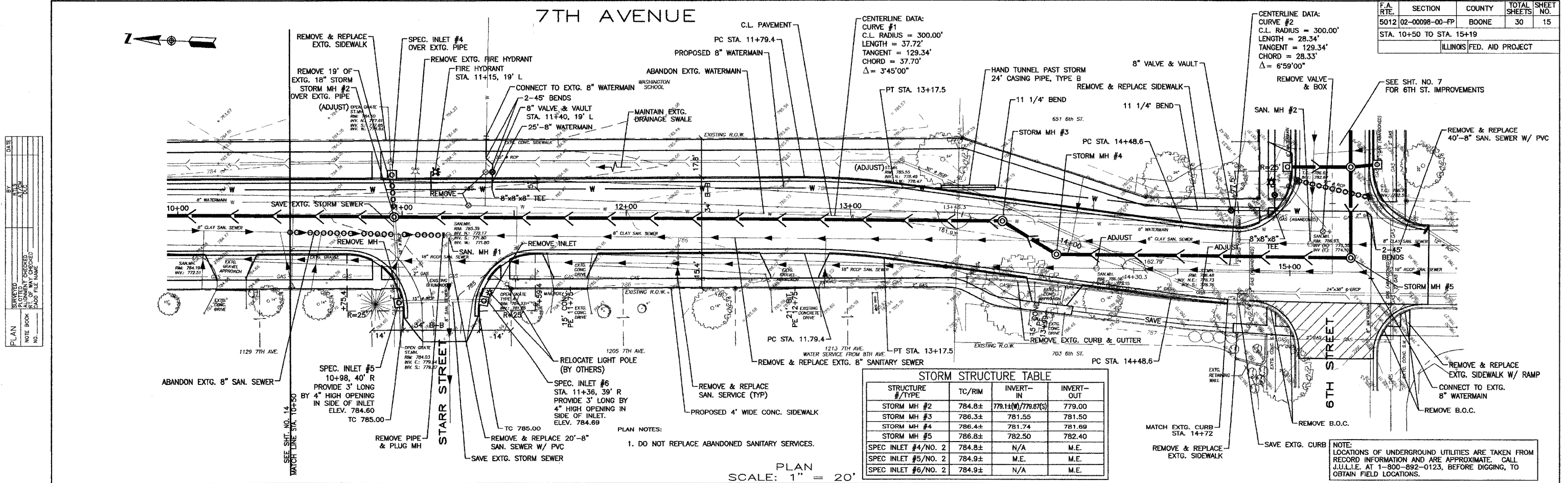
DATE	BY	DATE	BY
	AVS		AVS
	AVS		AVS
	AVS		AVS



ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-8333

CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBURT AVE. BELVIDERE, IL (815) 547-3406

DESIGN FIRM NUMBER: 184-002928 (35-002994)
ISSUE DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372



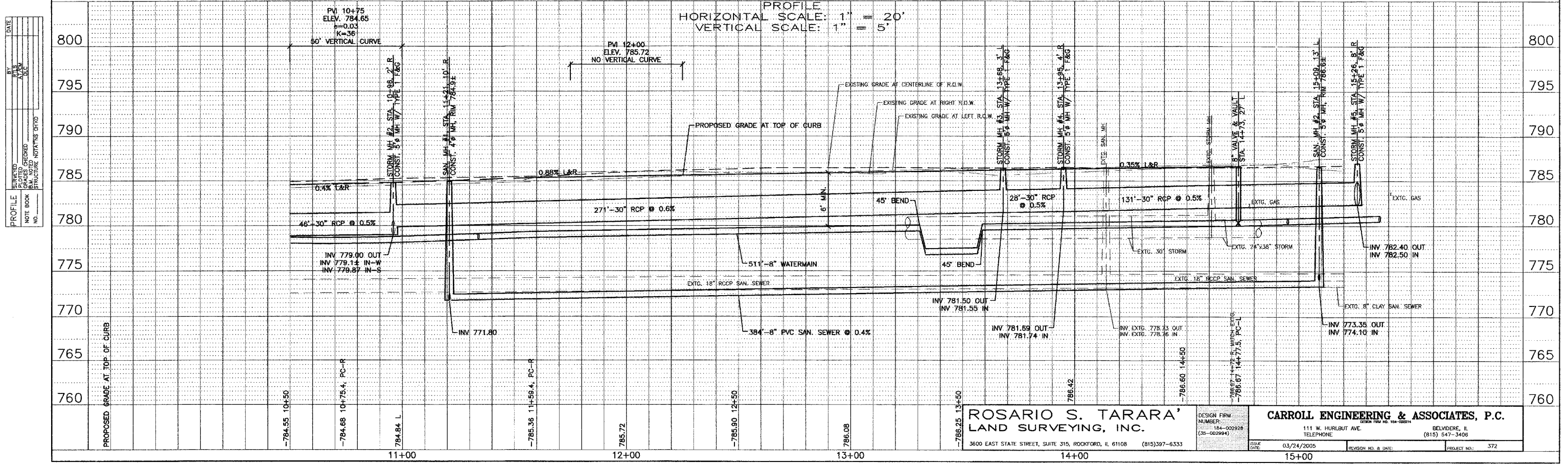
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	15
STA. 10+50 TO STA. 15+19				
ILLINOIS FED. AID PROJECT				

STORM STRUCTURE TABLE

STRUCTURE #/TYPE	TC/RIM	INVERT-IN	INVERT-OUT
STORM MH #2	784.8±	779.1±(W)/779.87(S)	779.00
STORM MH #3	786.3±	781.55	781.50
STORM MH #4	786.4±	781.74	781.69
STORM MH #5	786.8±	782.50	782.40
SPEC INLET #4/NO. 2	784.8±	N/A	M.E.
SPEC INLET #5/NO. 2	784.9±	M.E.	M.E.
SPEC INLET #6/NO. 2	784.9±	N/A	M.E.

PLAN NOTES:
1. DO NOT REPLACE ABANDONED SANITARY SERVICES.

PLAN SCALE: 1" = 20'
PROFILE HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBUT AVE.
TELEPHONE: (815) 547-3406
BELVIDERE, IL
SCALE DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372

DATE: _____
BY: _____
CHECKED: _____
DATE: _____

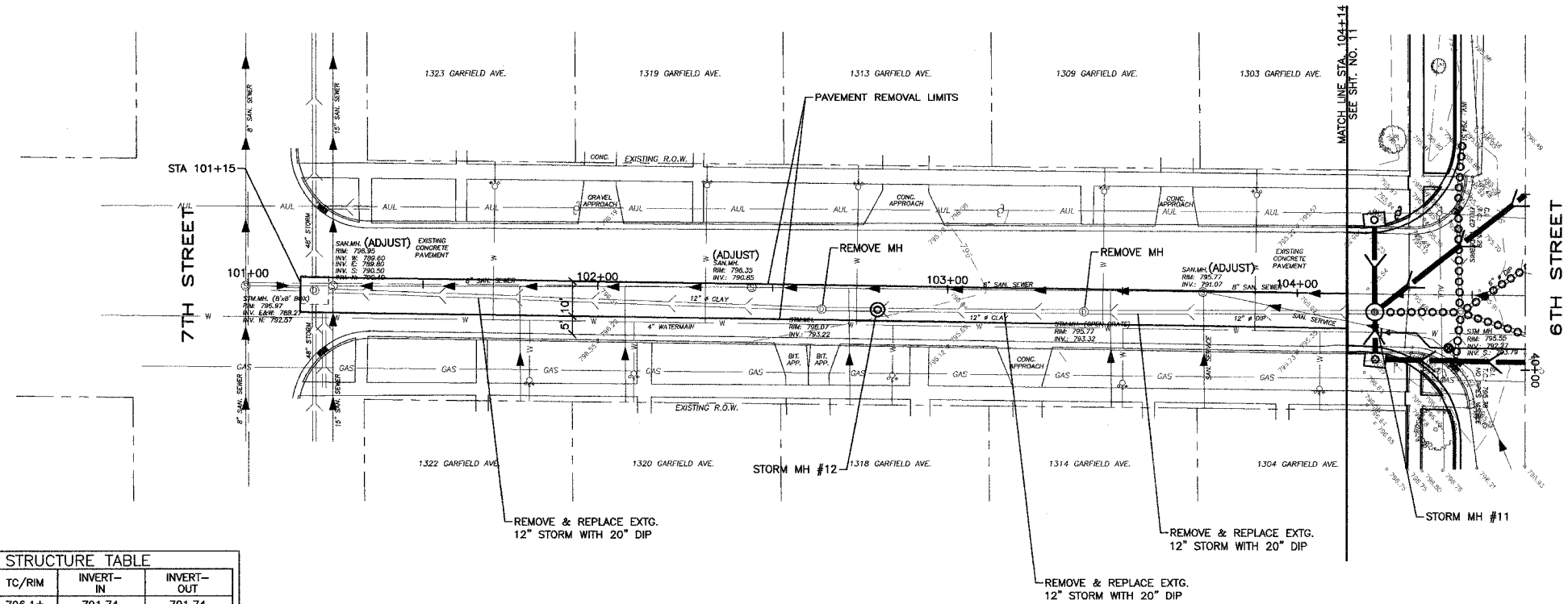
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BY: _____
CHECKED: _____
DATE: _____

85350

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	16
STA. 101+00 TO STA. 104+14				
ILLINOIS FED. AID PROJECT				



GARFIELD AVENUE

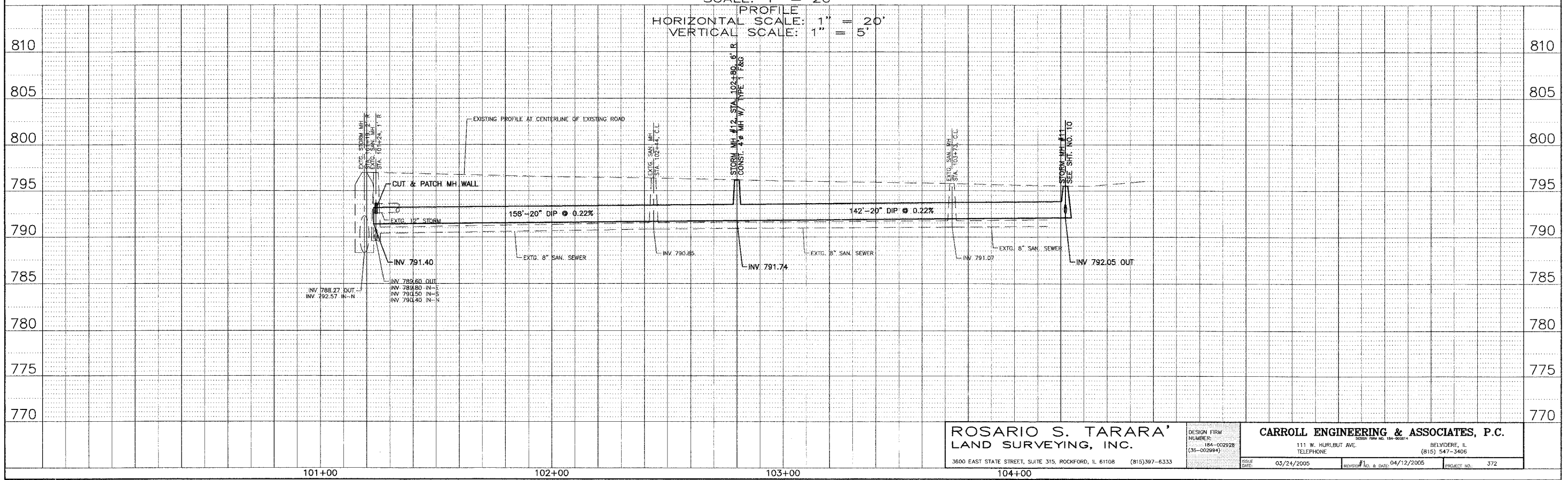


NOTE: ADJUST SANITARY SERVICES THAT CONFLICT AS SHOWN ON DETAIL DRAWINGS.

NOTE: LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.U.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.

STRUCTURE #/TYPE	TC/RIM	INVERT-IN	INVERT-OUT
STORM MH #12	796.1±	791.74	791.74

PLAN SCALE: 1" = 20'
 PROFILE HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 5'



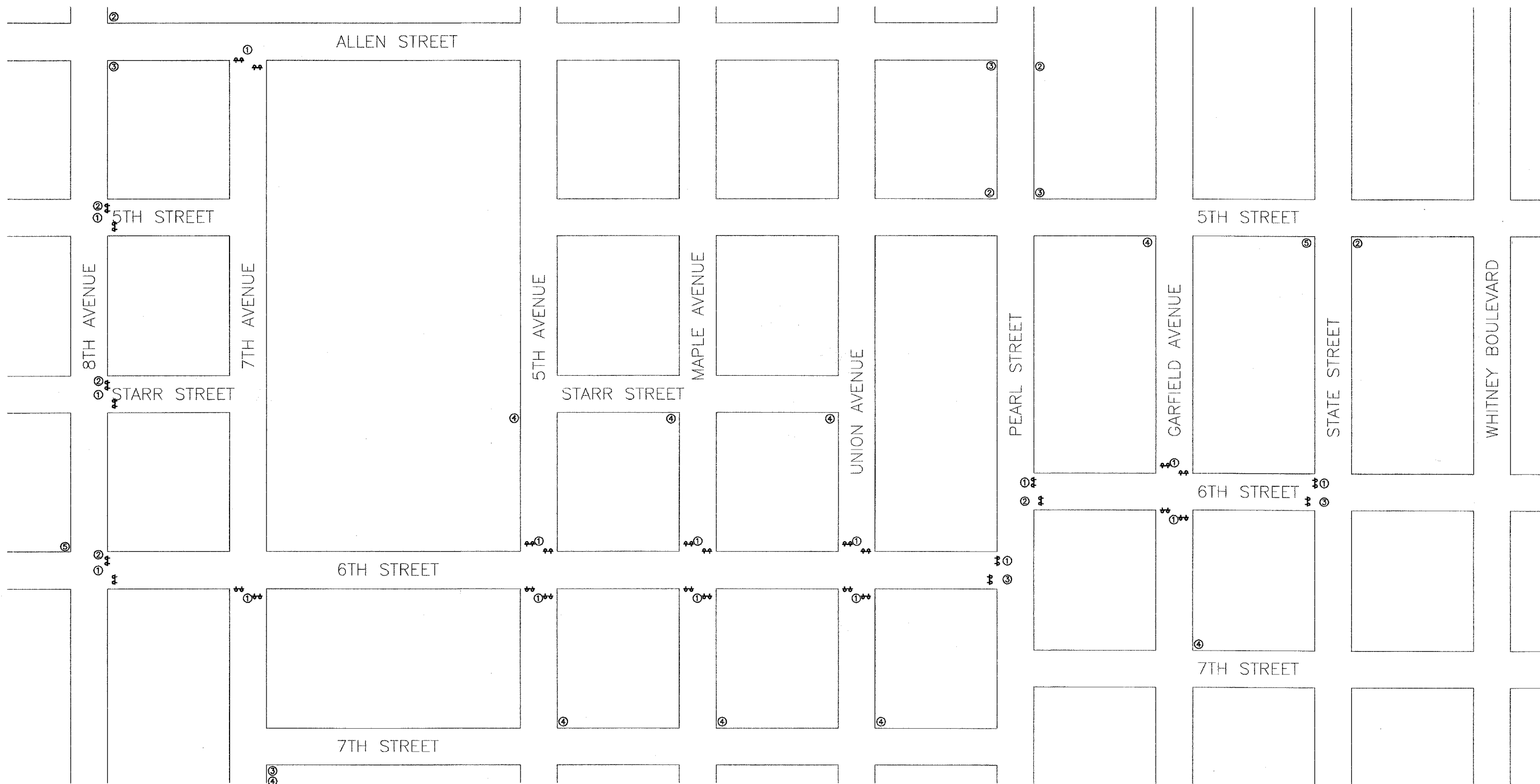
ROSARIO S. TARARA
 LAND SURVEYING, INC.
 3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815) 397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.
 111 W. HURLBUT AVE. BELVIDERE, IL (815) 547-3406
 DESIGN FIRM NUMBER: 184-002928 (35-002994)
 ISSUE DATE: 03/24/2005
 REVISION #1: 04/12/2005
 PROJECT NO.: 372

PLAN	DATE
REVISION	BY
PLOTTED	AT
CHECKED	BY
BY	DATE
NO. OF WAY CHECKED	
CADD FILE NAME	

PROFILE	DATE
REVISION	BY
PLOTTED	AT
CHECKED	BY
BY	DATE
STRUCTURE NOTATION	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00088-00-FP	BOONE	30	17



GENERAL TRAFFIC CONTROL NOTES
 1. THIS PLAN REPRESENTS THE MINIMUM WORK REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS SECTION 701.

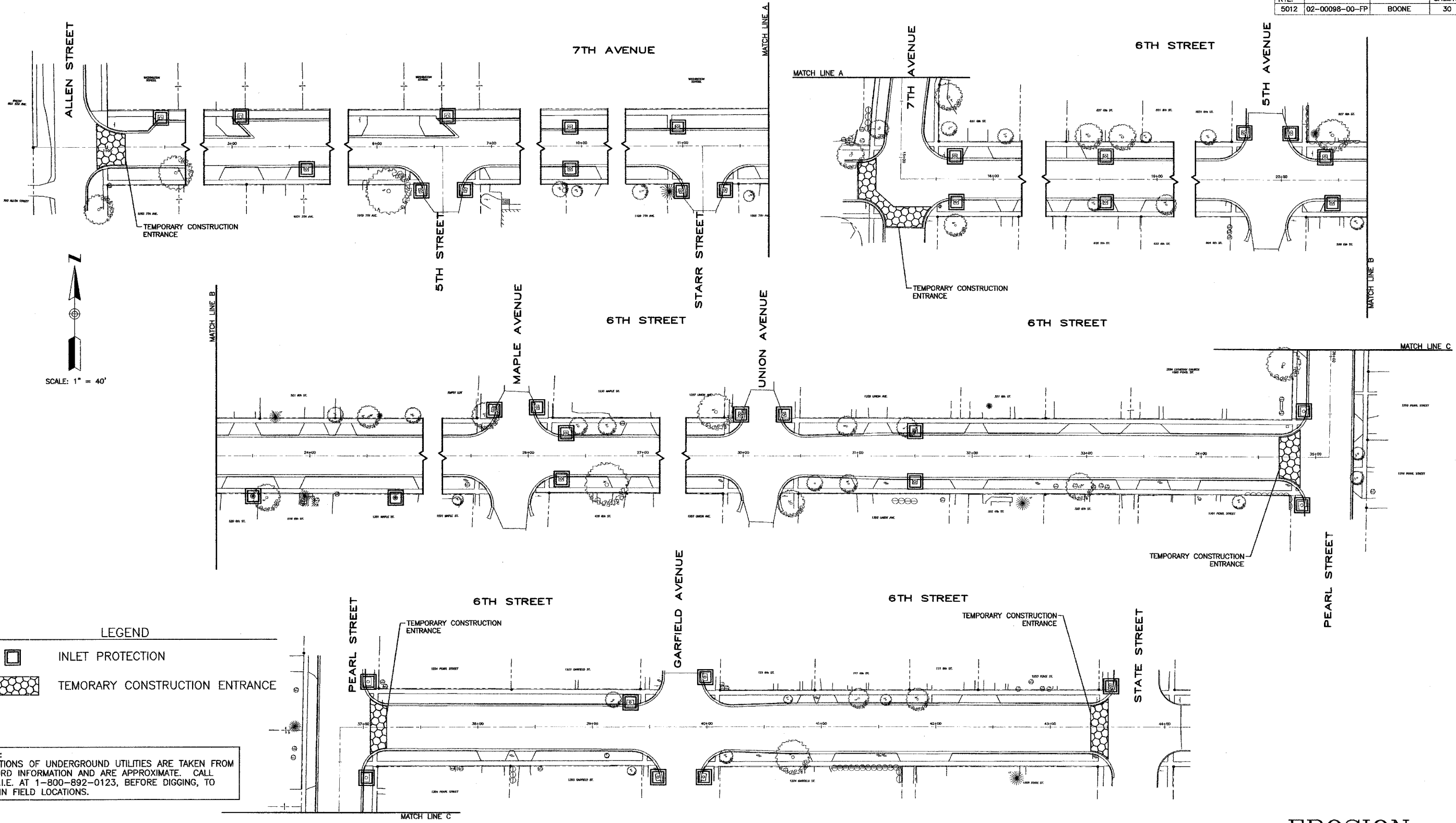
- ↔ TYPE I OR TYPE II BARRICADE
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⇄ TYPE III BARRICADE
- DRUM OR BARRICADE
- ➡ ARROW BOARD
- ══ EXIST. PVMT. MARKING
- ➡ TRAFFIC FLOW ARROW

- SIGN LEGEND**
- ① "ROAD CLOSED TO THRU TRAFFIC"
 - ② "DETOUR", LEFT ARROW
 - ③ "DETOUR", RIGHT ARROW
 - ④ "ROAD CLOSED AHEAD"
 - ⑤ END DETOUR



TRAFFIC CONTROL PLAN

ROSARIO S. TARARA LAND SURVEYING, INC.		DESIGN FIRM NUMBER: 184-002928 (35-002994)
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333		
CARROLL ENGINEERING & ASSOCIATES, P.C.		
111 W. HURLBUT AVE. TELEPHONE	BELVIDERE, IL (815) 547-3406	
ISSUE DATE: 03/24/2005	REVISION NO. & DATE:	PROJECT NO.: 372

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	18



LEGEND

-  INLET PROTECTION
-  TEMPORARY CONSTRUCTION ENTRANCE

NOTE:
 LOCATIONS OF UNDERGROUND UTILITIES ARE TAKEN FROM RECORD INFORMATION AND ARE APPROXIMATE. CALL J.U.L.I.E. AT 1-800-892-0123, BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.

EROSION CONTROL NOTES

1. DO NOT DISTURB AREAS NOT SPECIFICALLY SHOWN TO BE GRADED.
2. ALL EROSION AND SEDIMENT CONTROL FACILITIES TO BE INSPECTED WEEKLY AND WITHIN 12 HOURS OF ANY RAINFALL EVENT GREATER THAN 0.50". PROVIDE CERTIFIED COPIES OF INSPECTION REPORTS WITH EACH PAY REQUEST. PAYMENT SHALL BE WITHHELD UNTIL ACCEPTABLE REPORTS ARE APPROVED BY OWNER.
3. PROVIDE INLET PROTECTION & CONSTRUCTION ENTRANCE AS SHOWN PRIOR TO STARTING GRADING OPERATIONS. REMOVE INLET PROTECTION WHEN PAVING IS COMPLETE.
4. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT AT STATE STREET, PEARL STREET AND 7TH AVENUE. PROVIDE STABILIZED CONSTRUCTION ENTRANCE.

EROSION CONTROL PLAN

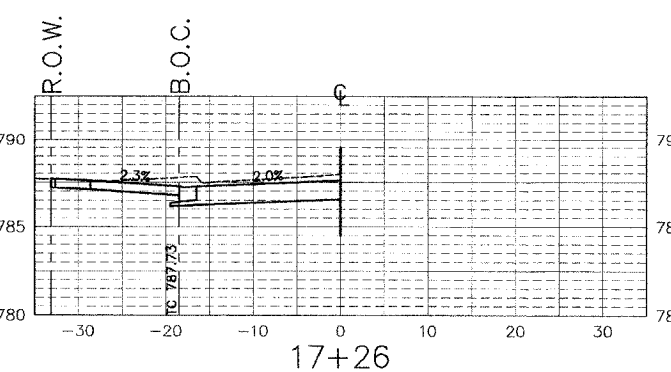
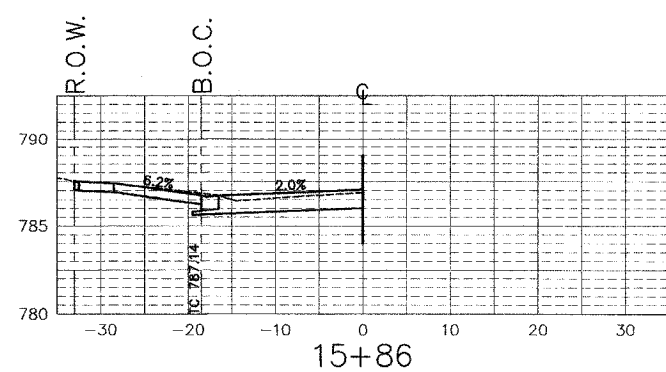
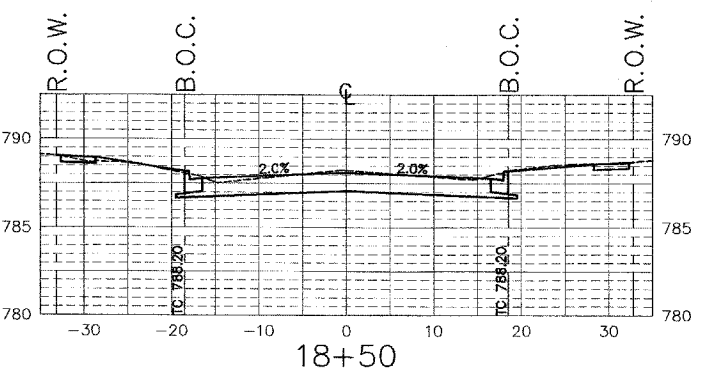
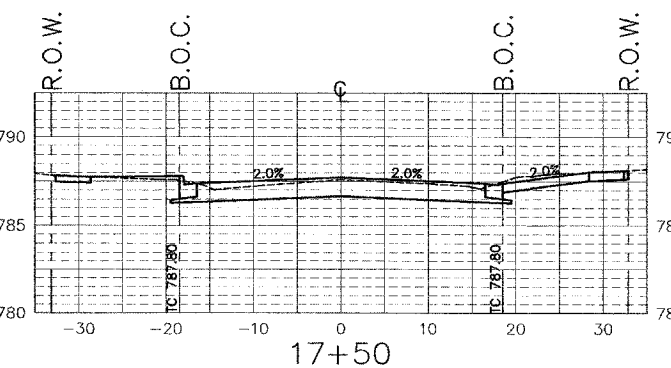
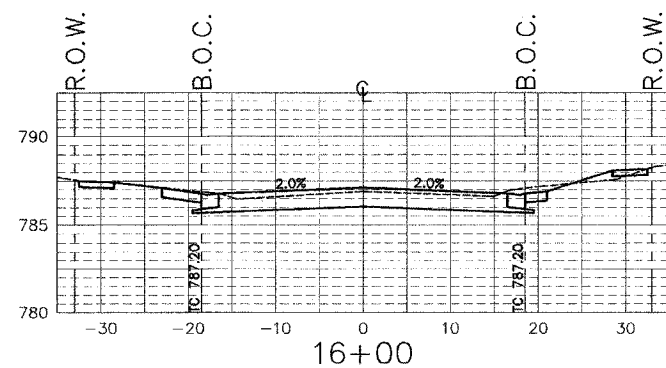
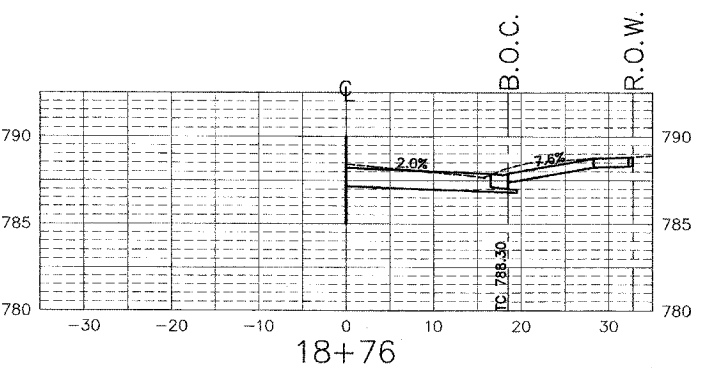
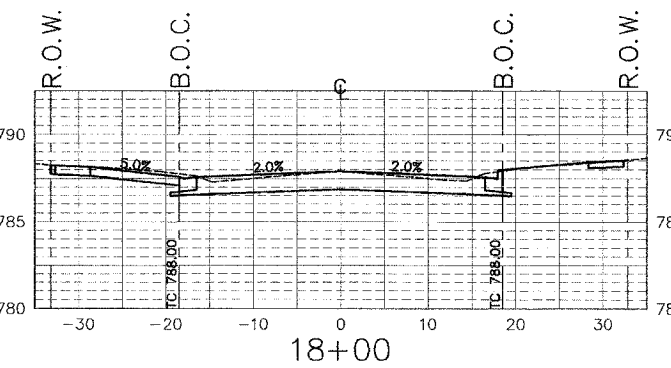
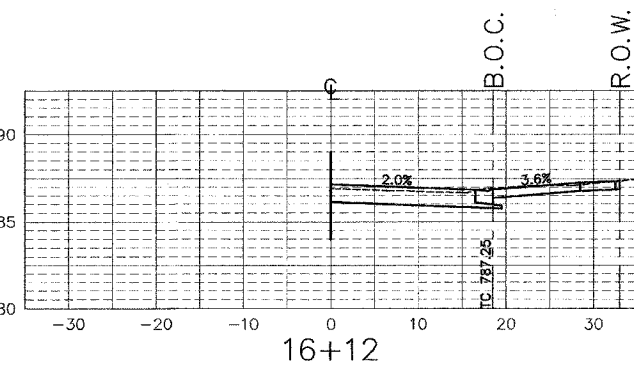
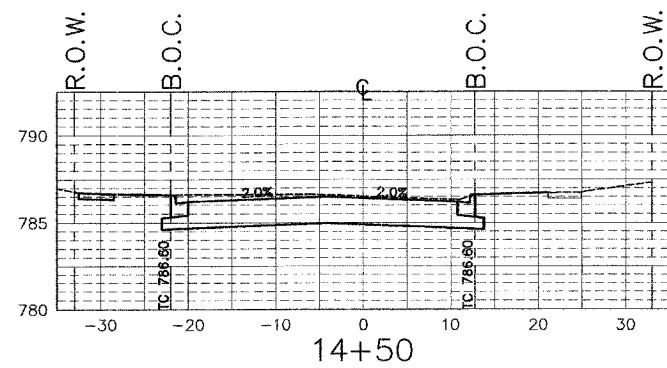
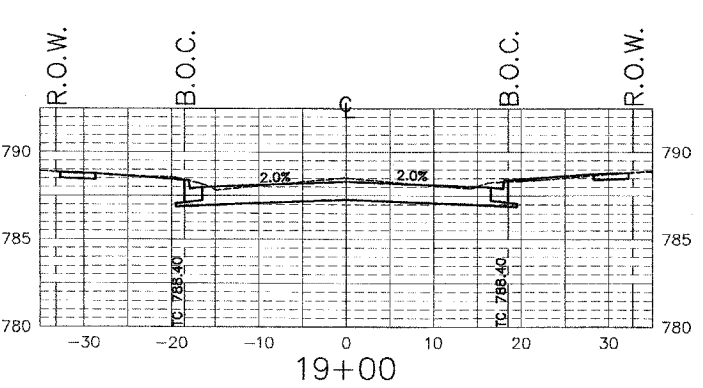
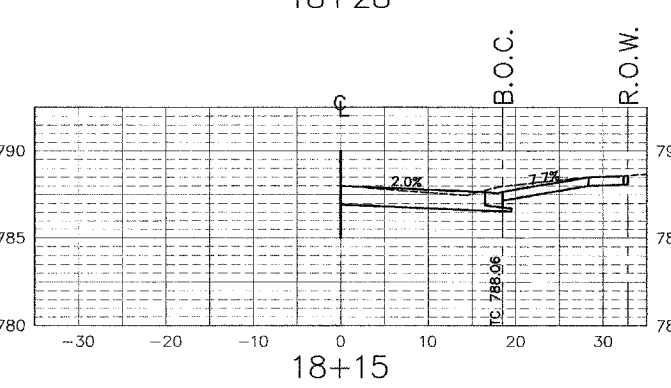
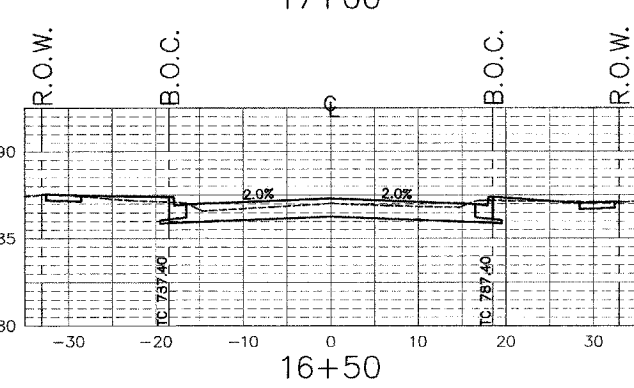
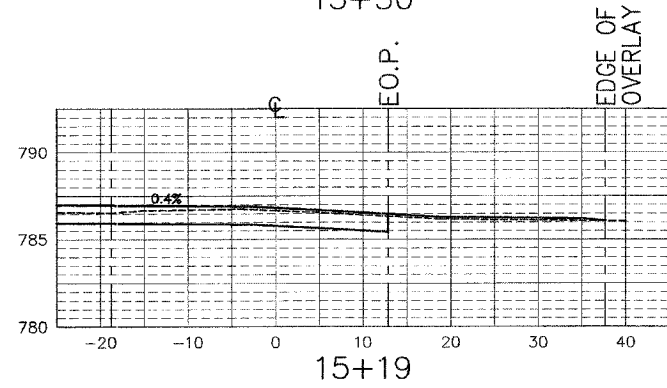
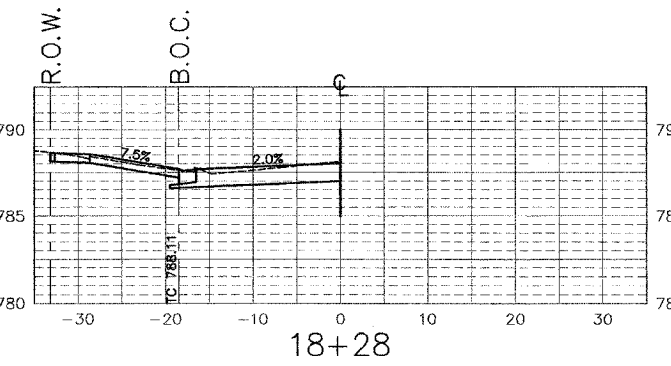
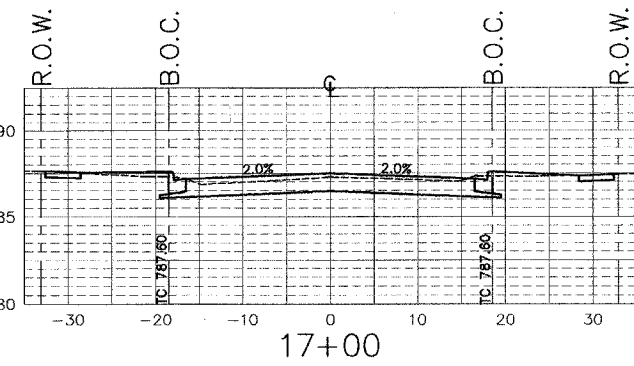
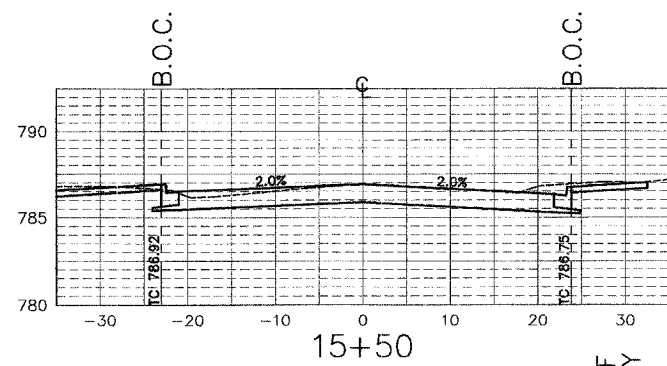
ROSARIO S. TARARA
 LAND SURVEYING, INC.
 3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.
 111 W. HURLBUT AVE. BELVIDERE, IL (815) 547-3406

DESIGN FIRM NUMBER: 118-002928 (35-002984)
 DESIGN FIRM NO. 18-000814

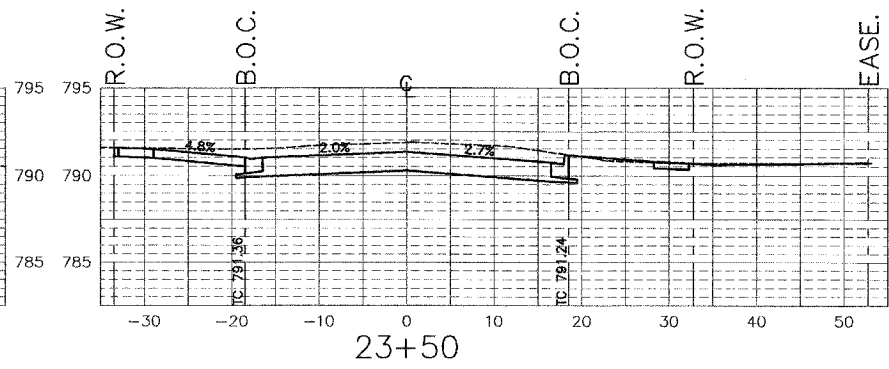
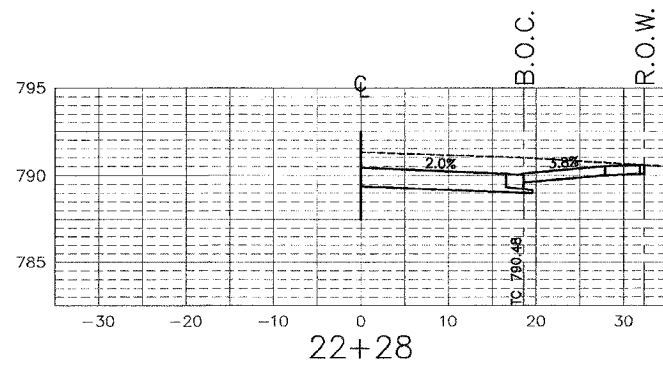
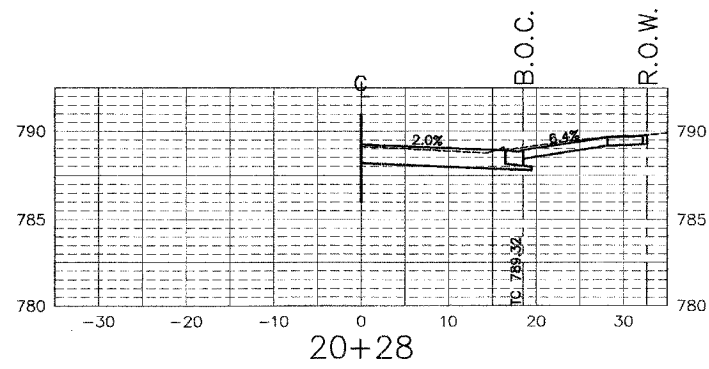
ISSUE DATE: 03/24/2005
 REVISION NO. & DATE:
 PROJECT NO.: 372

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	19
STA. 13+50 TO 19+00				

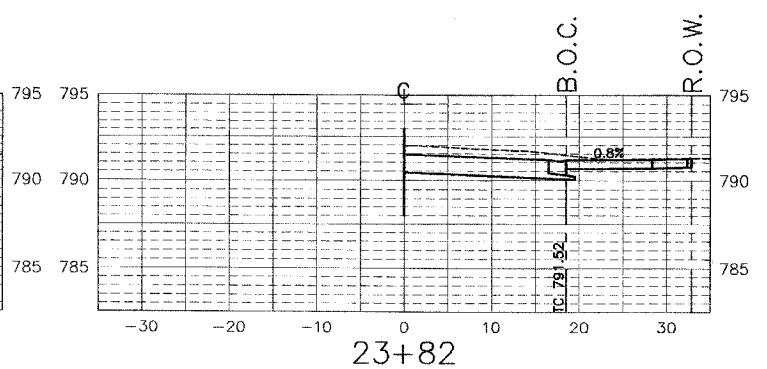
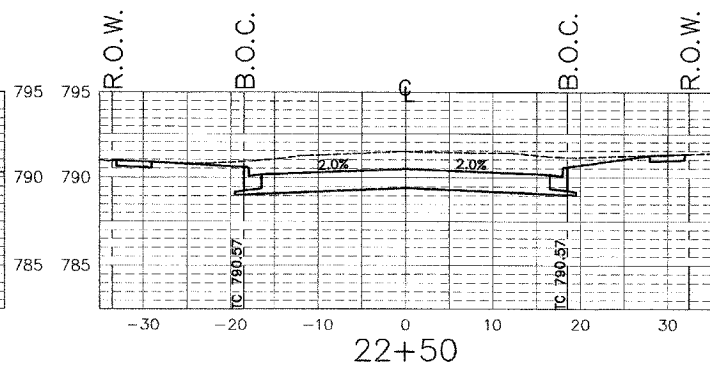
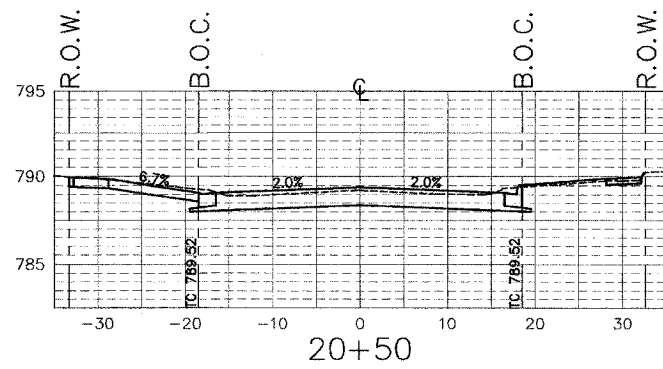
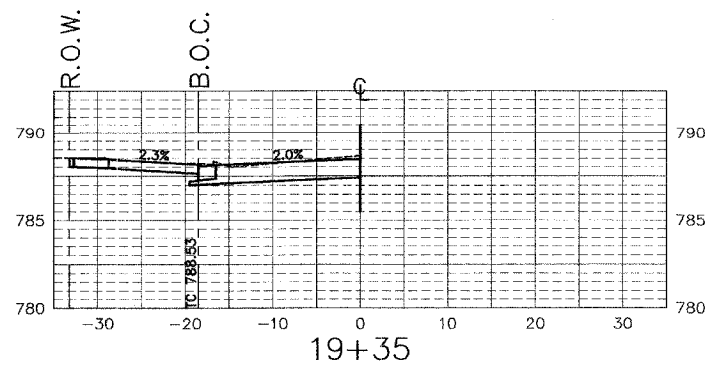
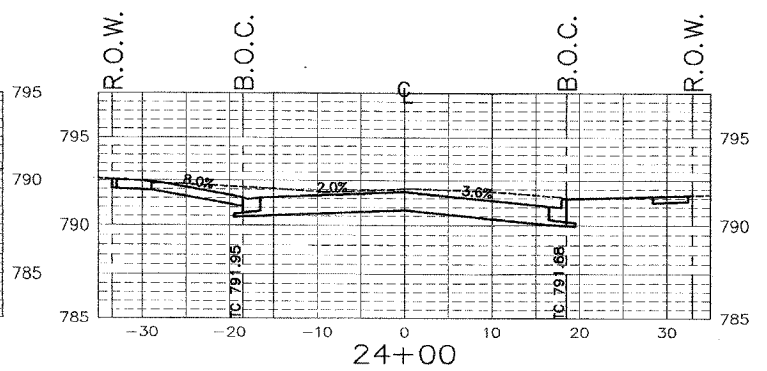
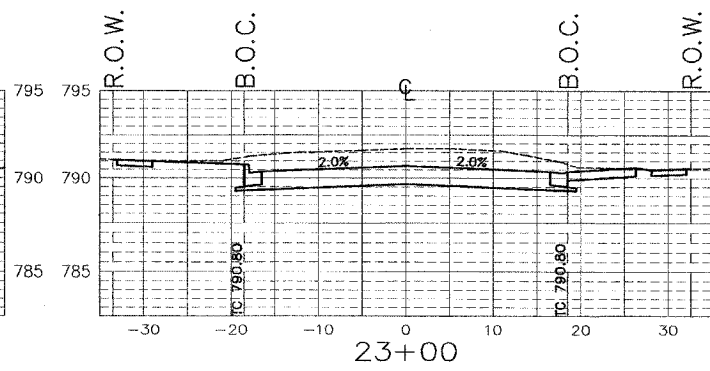
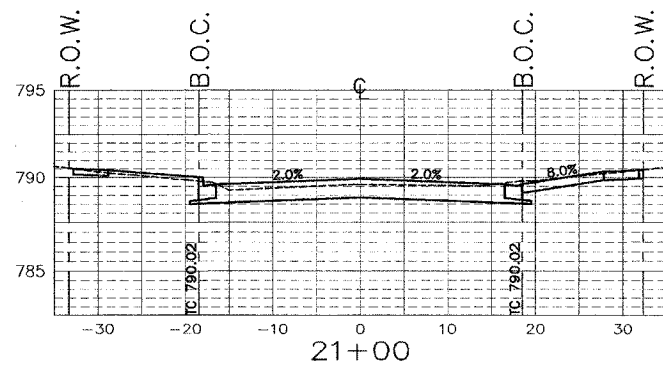
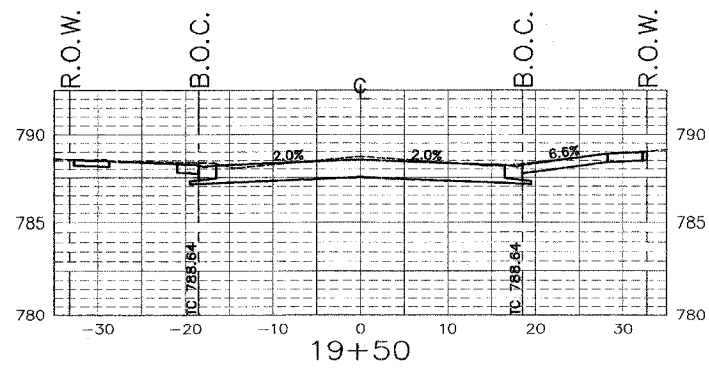
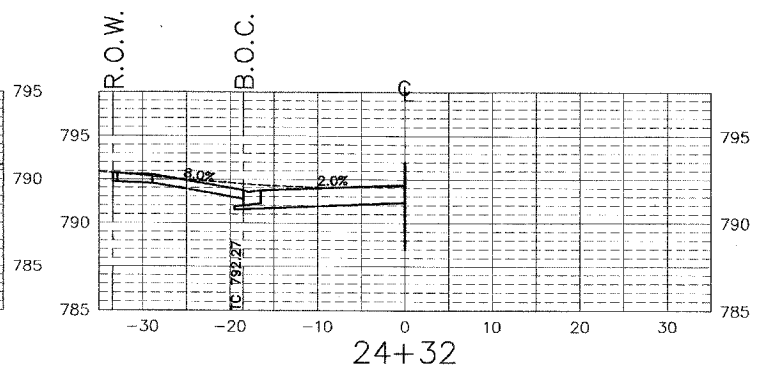
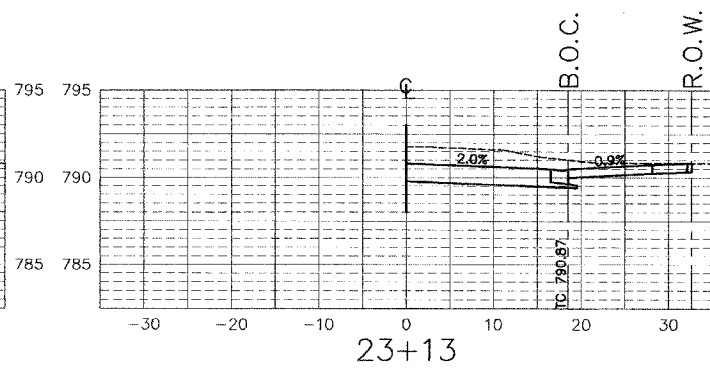
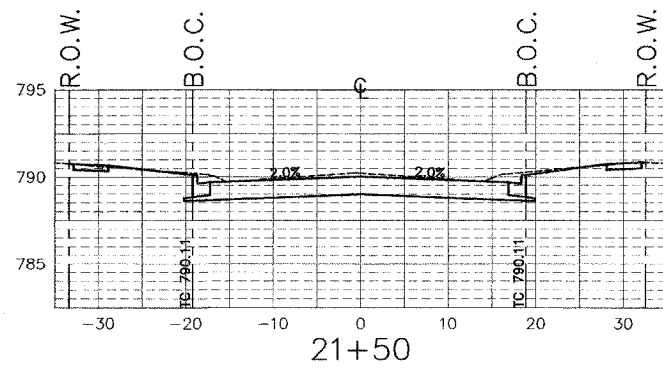
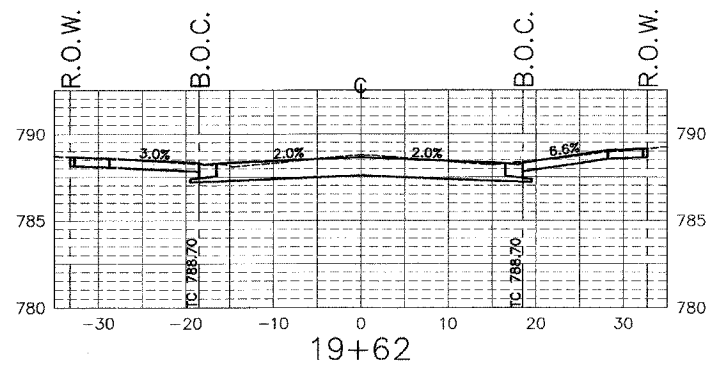
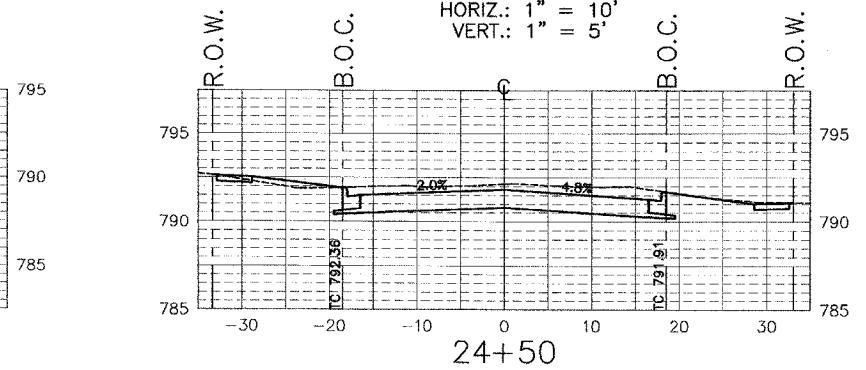
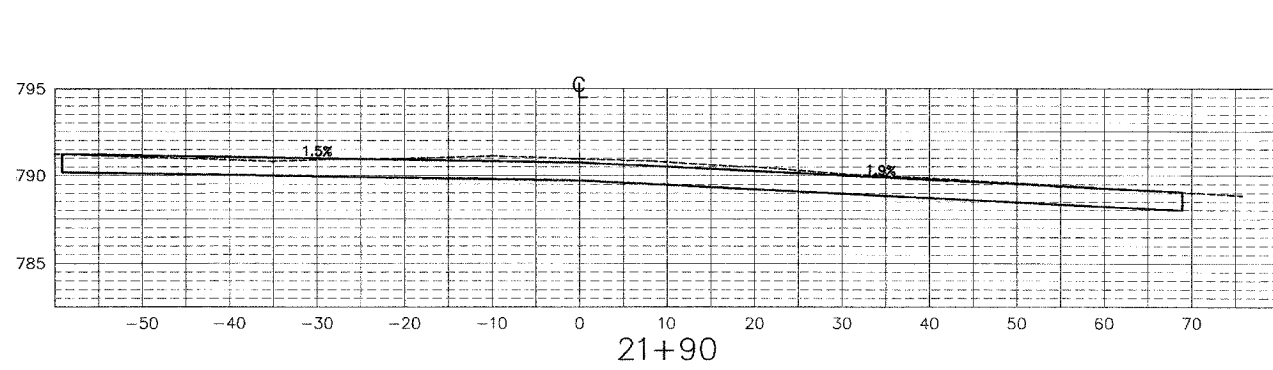
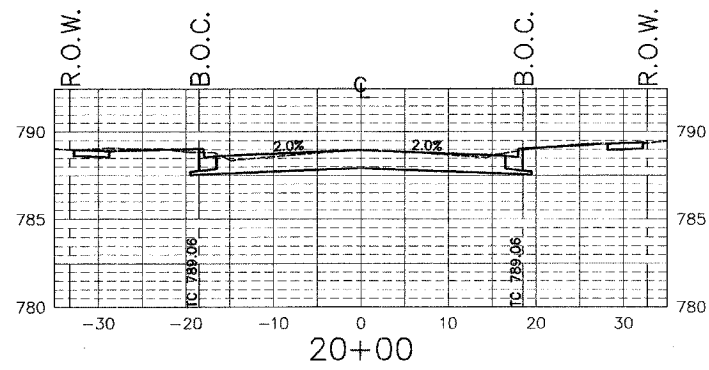


SCALES
 HORIZ.: 1" = 10'
 VERT.: 1" = 5'

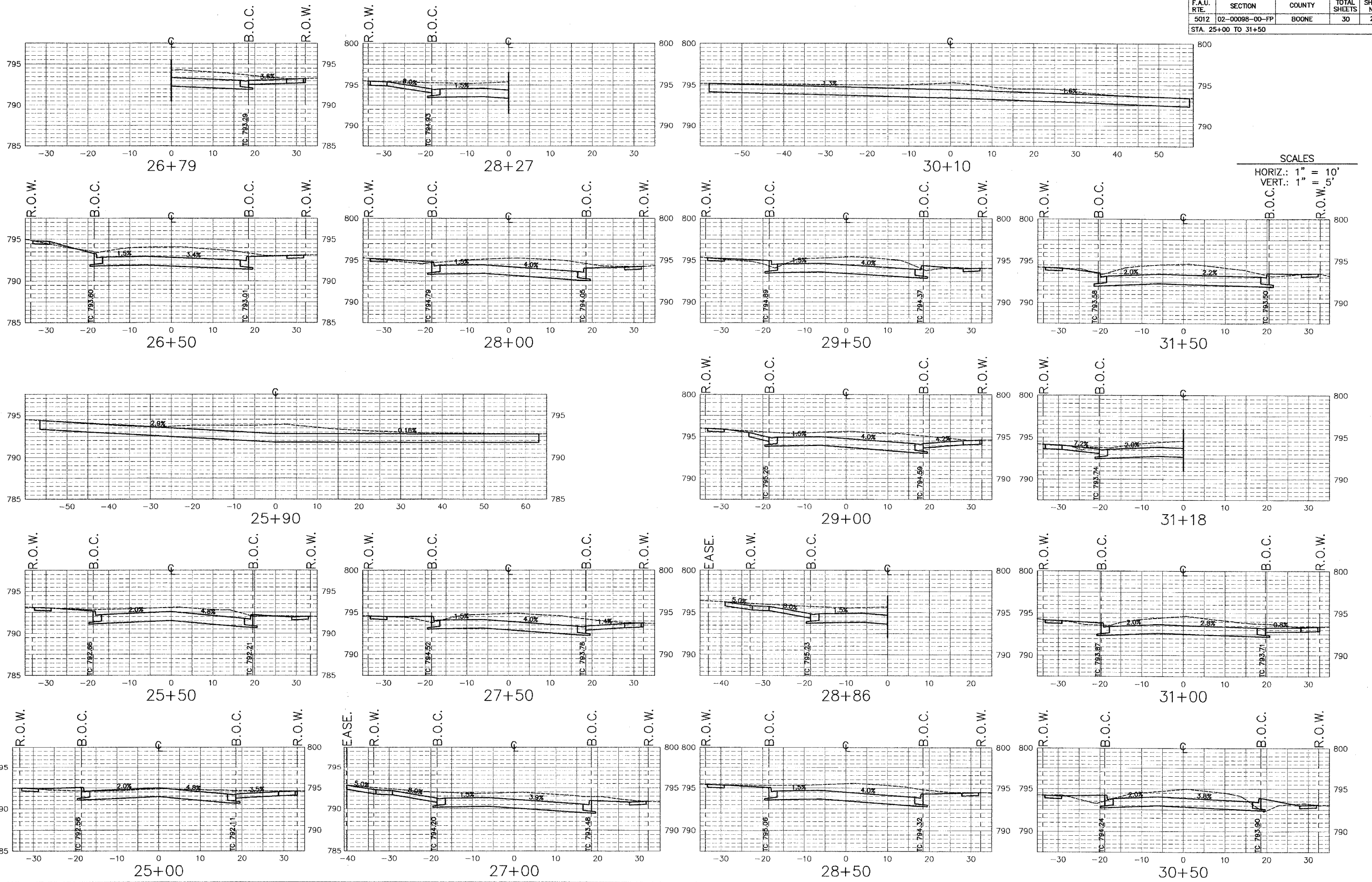
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	20
STA. 19+35 TO 24+50				



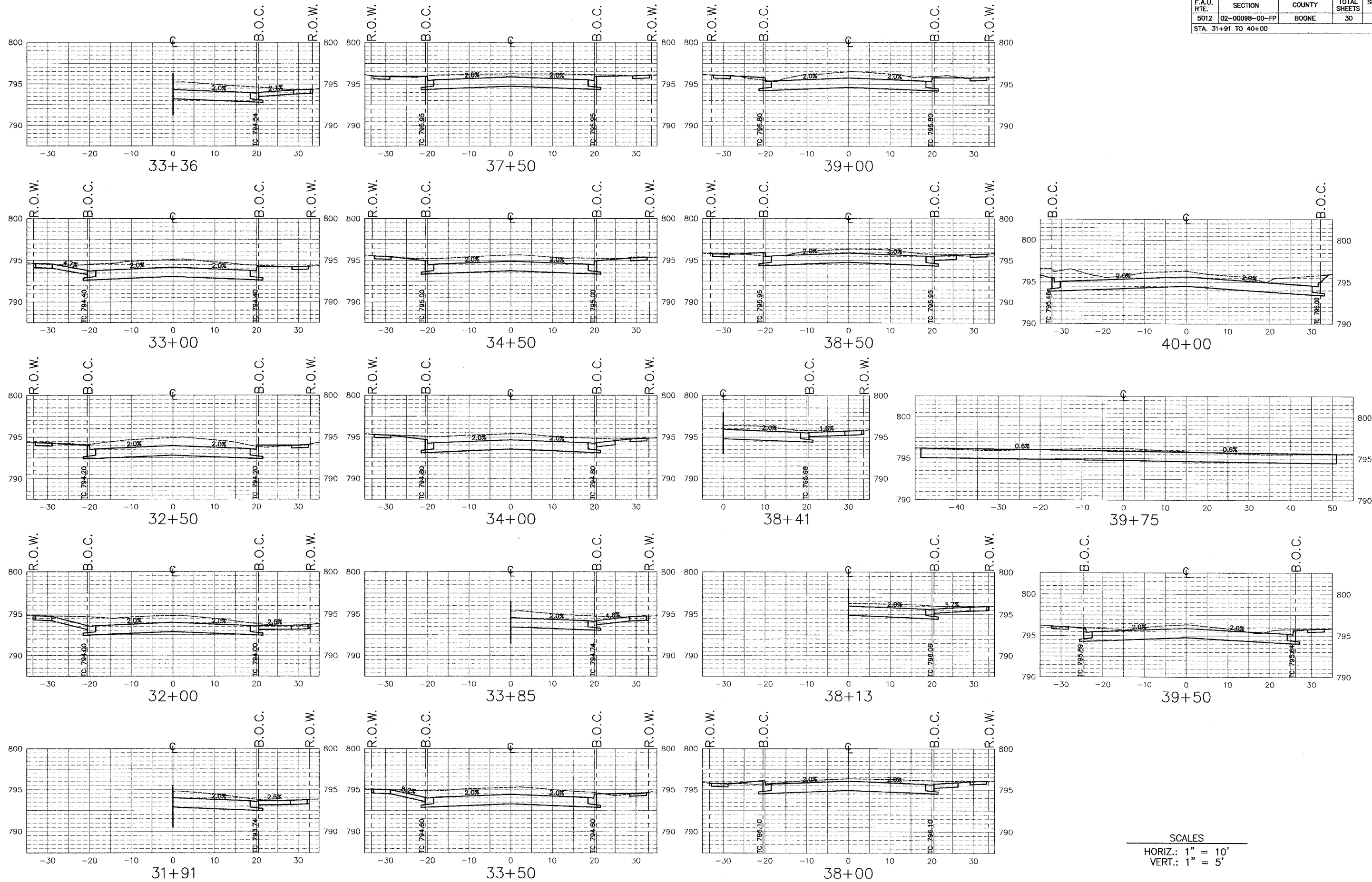
SCALES
 HORIZ.: 1" = 10'
 VERT.: 1" = 5'



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	21
STA. 25+00 TO 31+50				

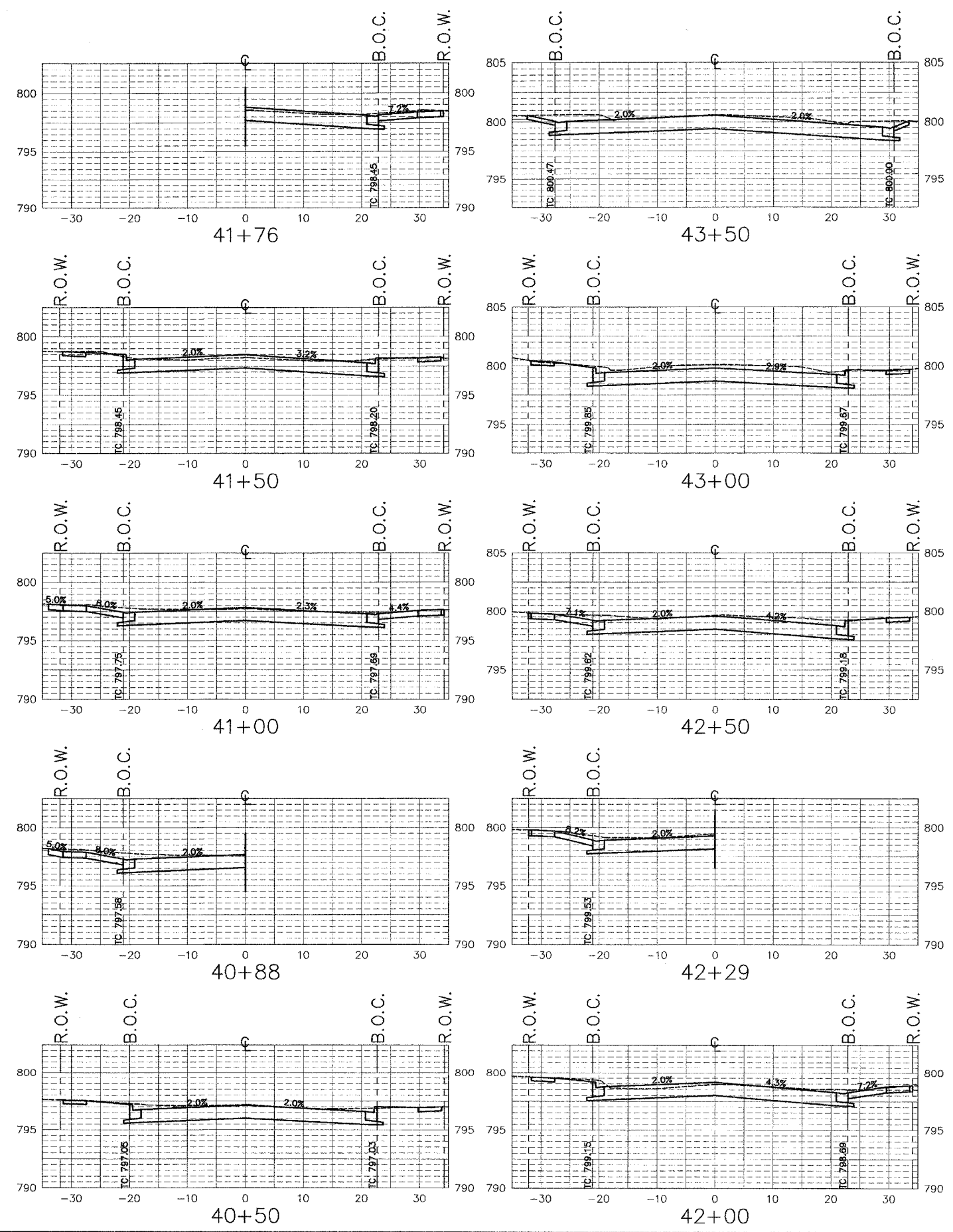


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	22
STA. 31+91 TO 40+00				



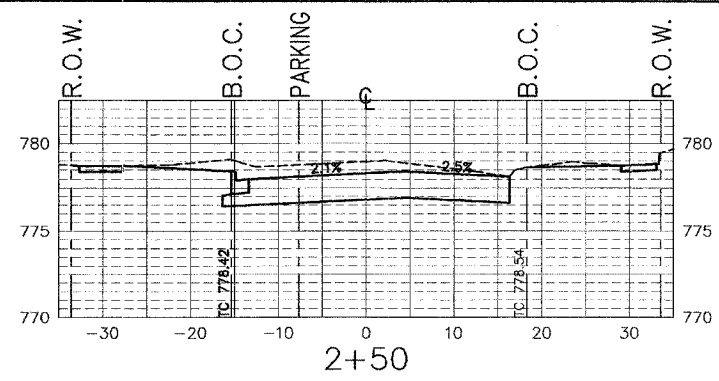
SCALES
 HORIZ.: 1" = 10'
 VERT.: 1" = 5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 40+50 TO 43+50				

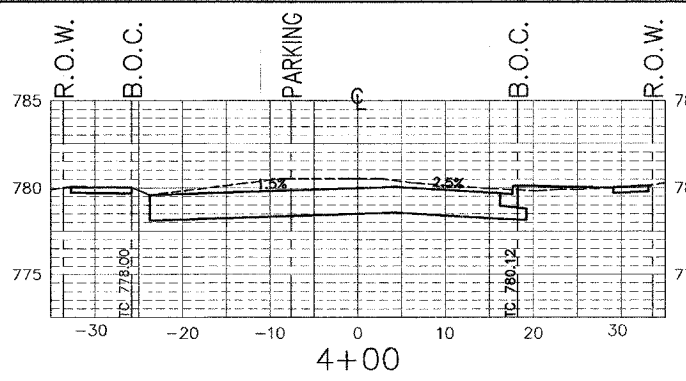


SCALES
 HORIZ.: 1" = 10'
 VERT.: 1" = 5'

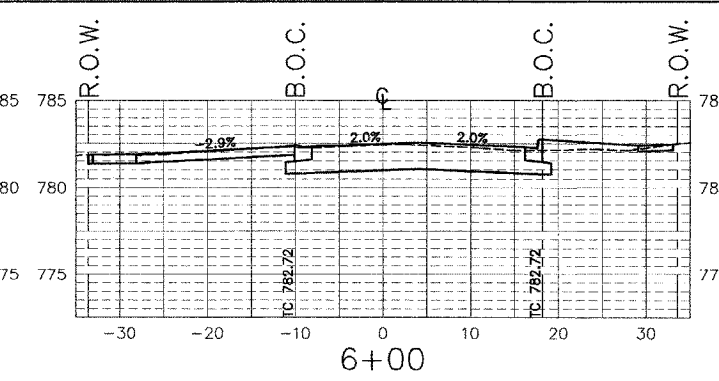
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 1+00 TO 7+50				



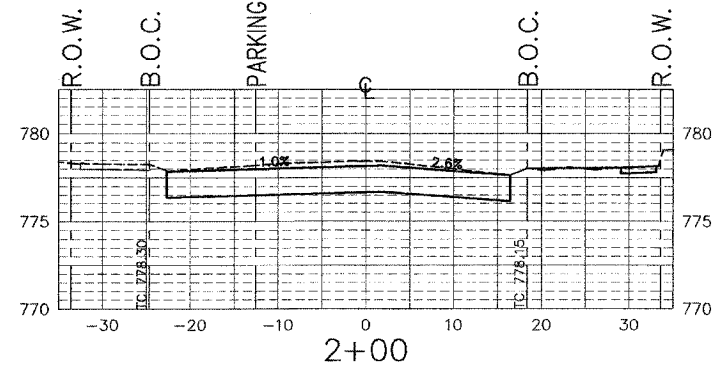
2+50



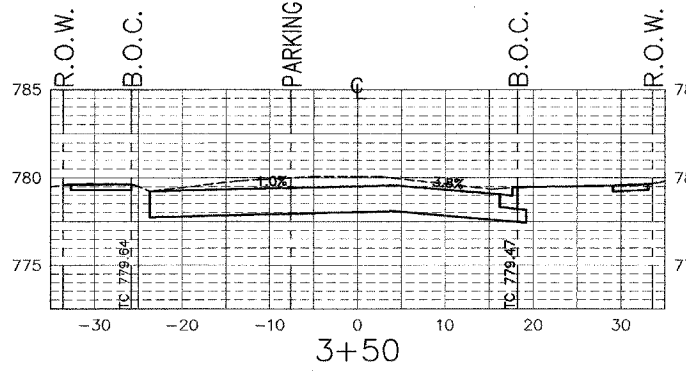
4+00



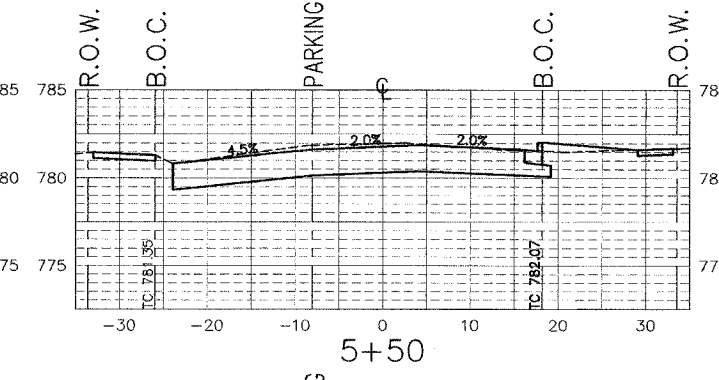
6+00



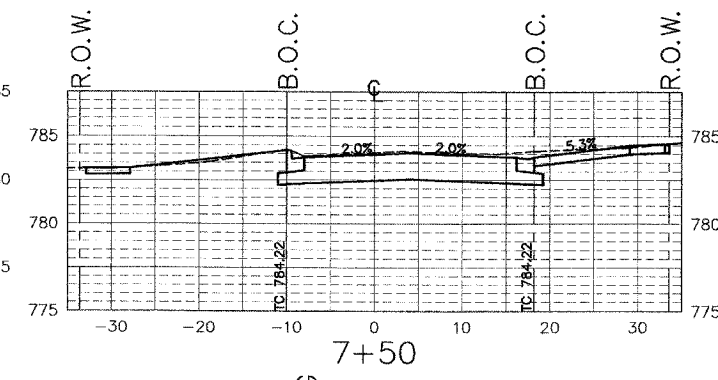
2+00



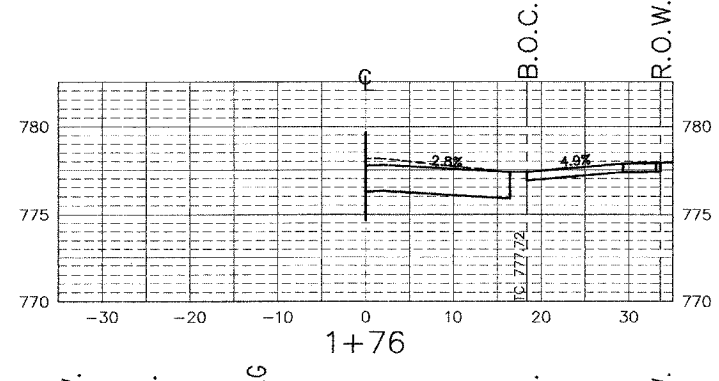
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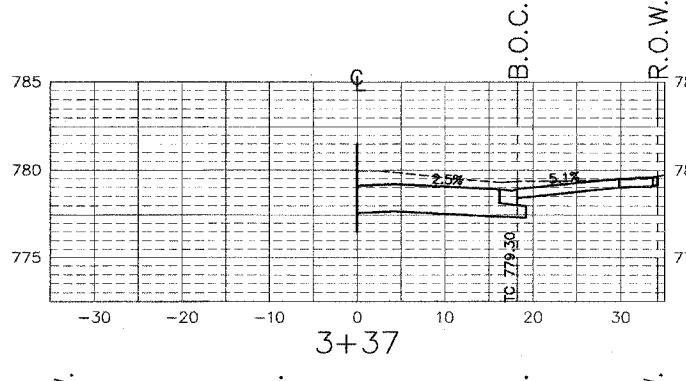
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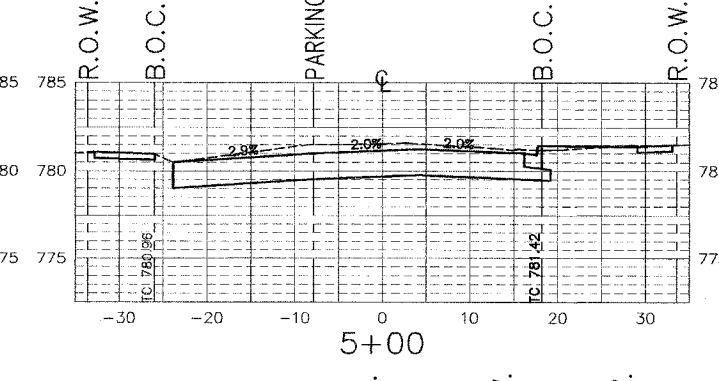
7+50



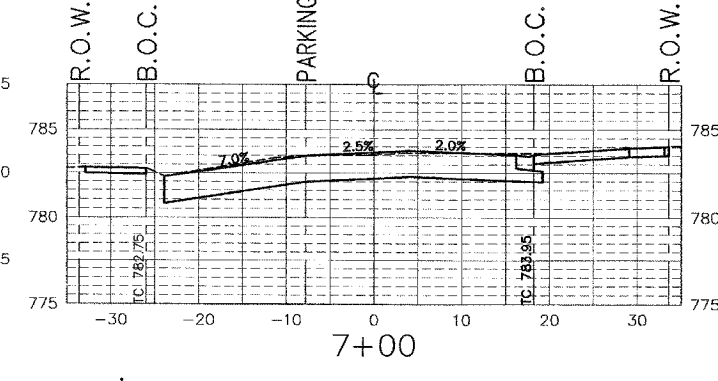
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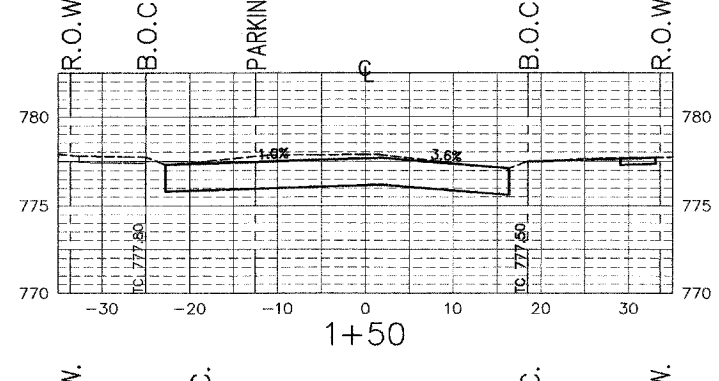
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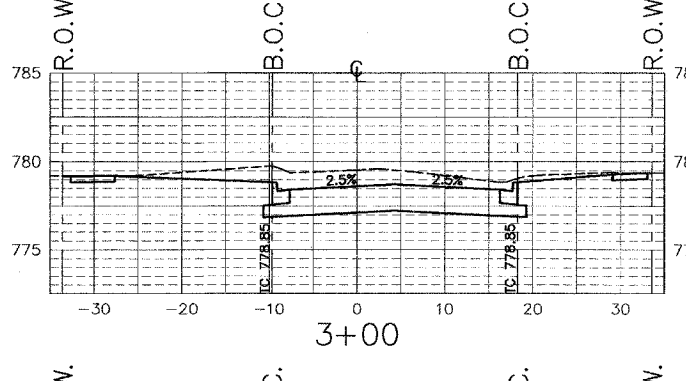
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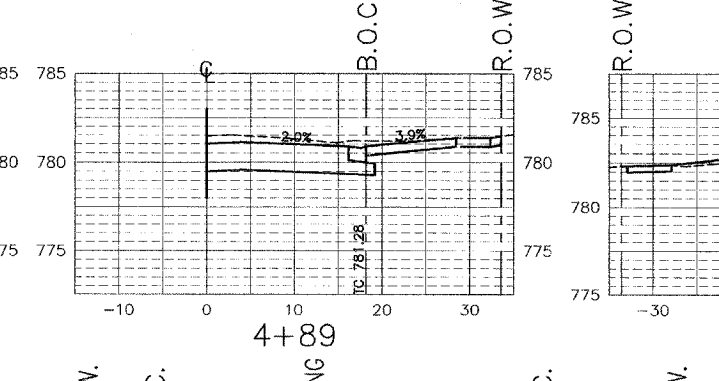
7+00



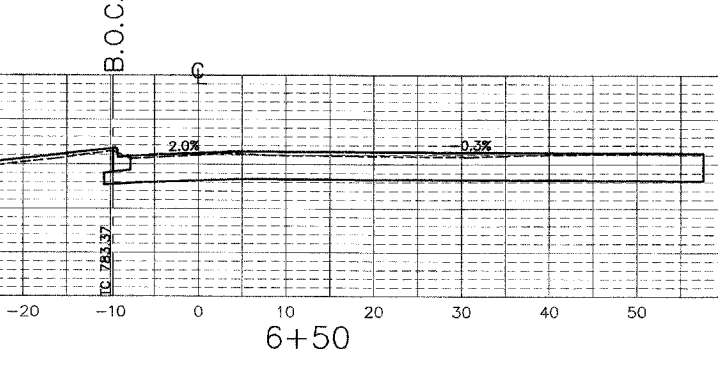
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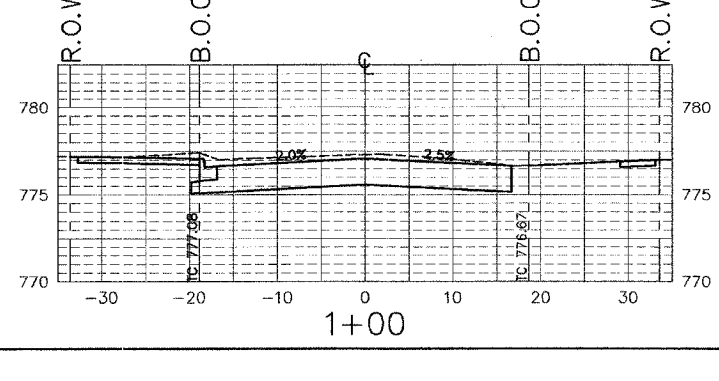
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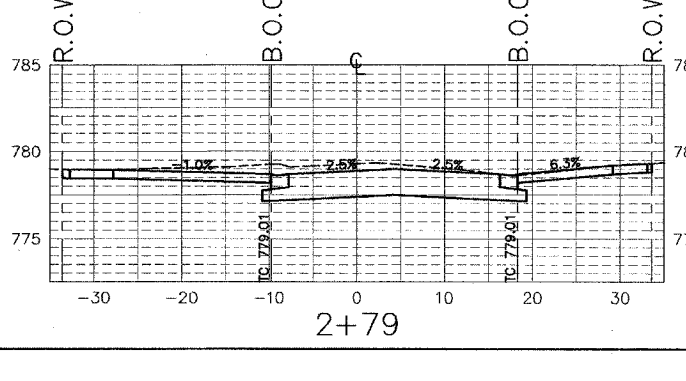
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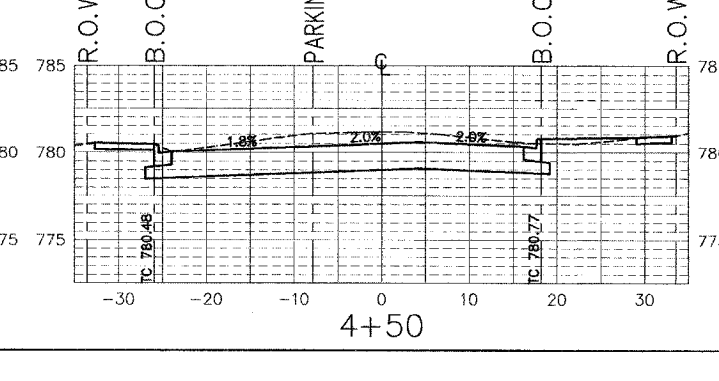
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1+00



2+79



4+50

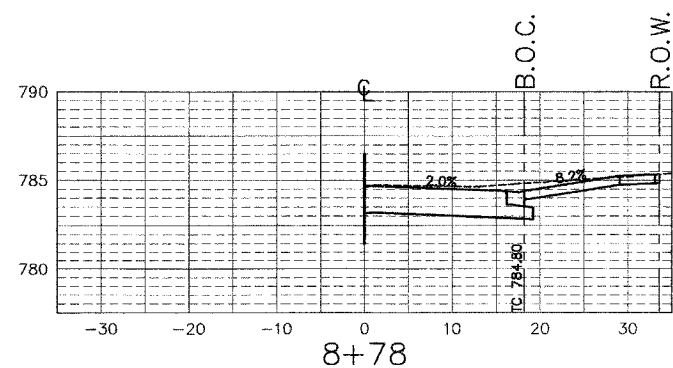
SCALES
 HORIZ.: 1" = 10'
 VERT.: 1" = 5'

SCALES

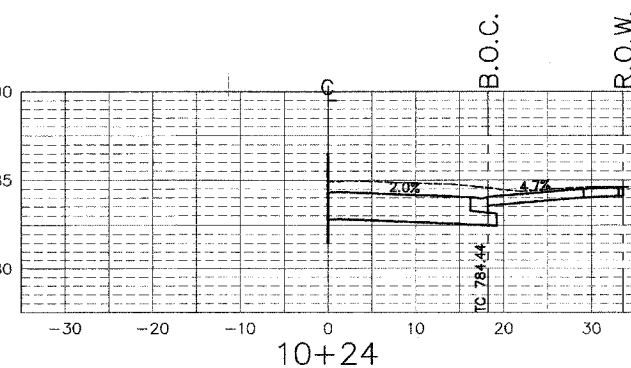
HORIZ.: 1" = 10'
VERT.: 1" = 5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	25

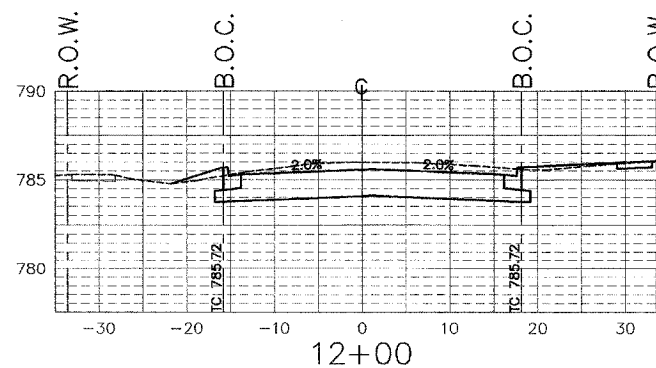
STA. 7+71 TO 13+00



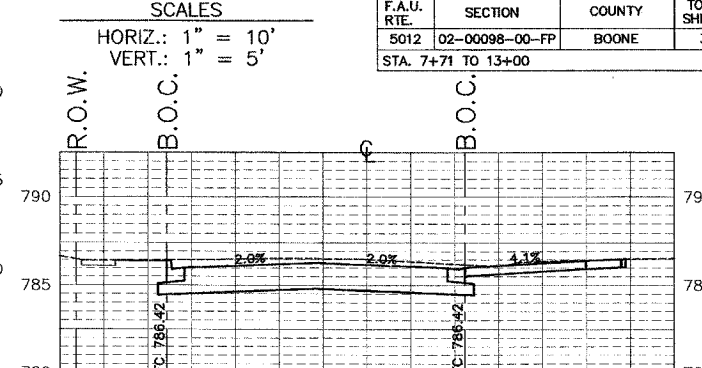
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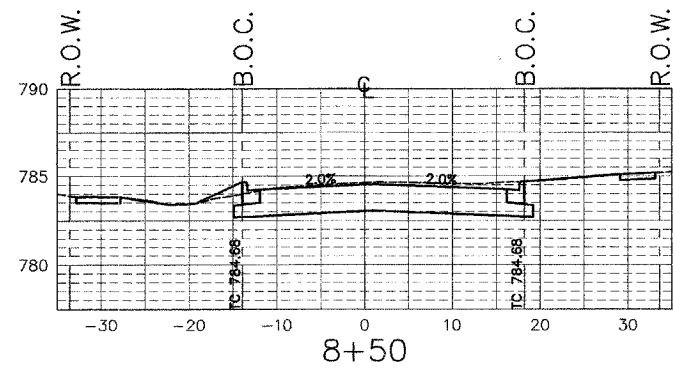
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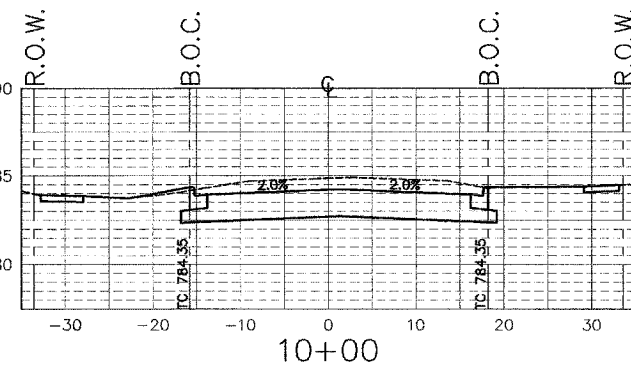
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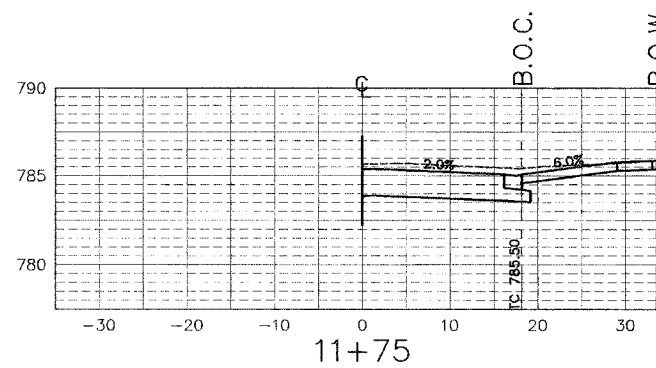
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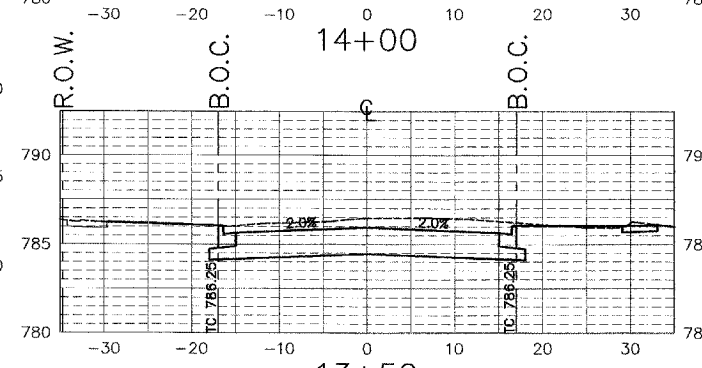
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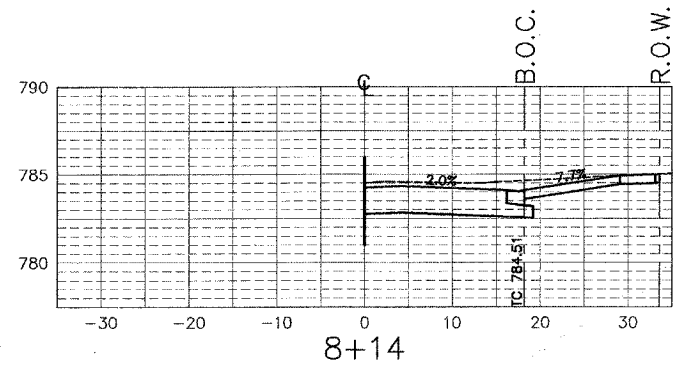
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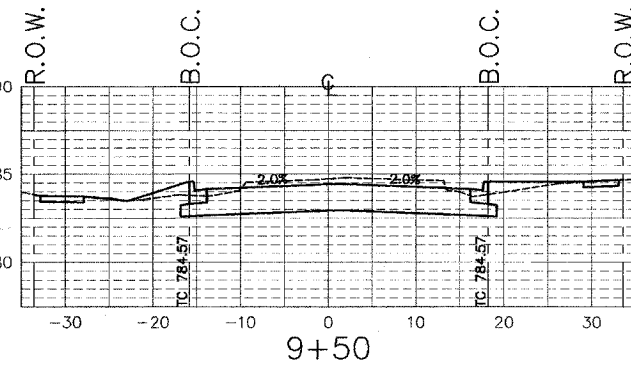
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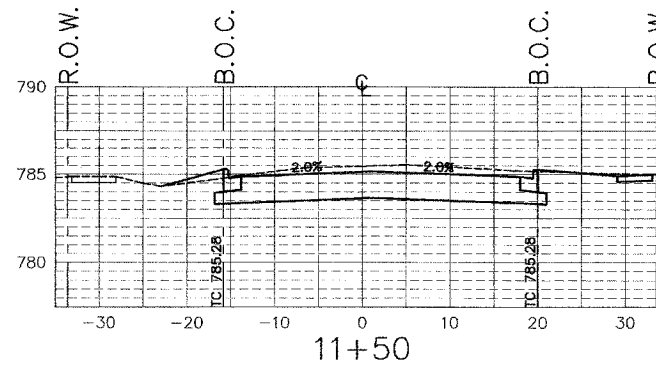
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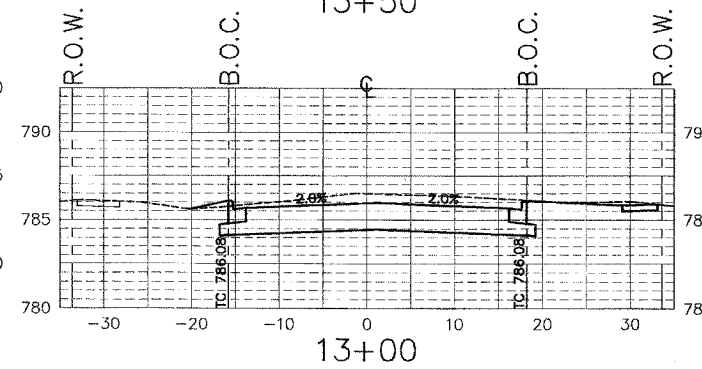
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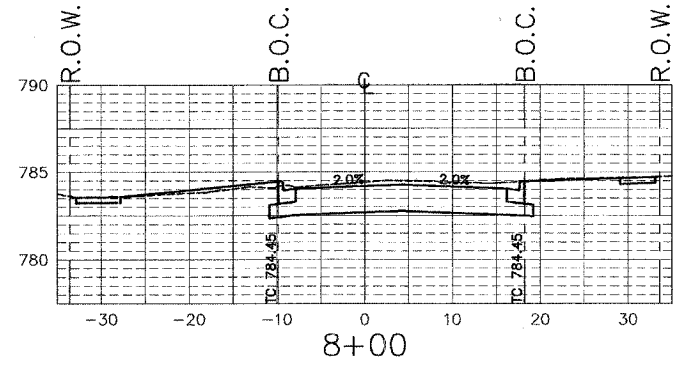
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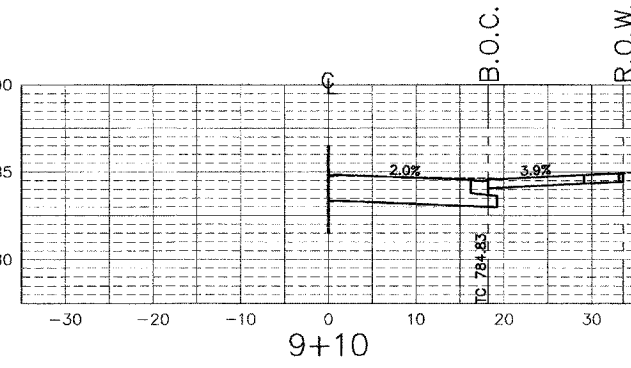
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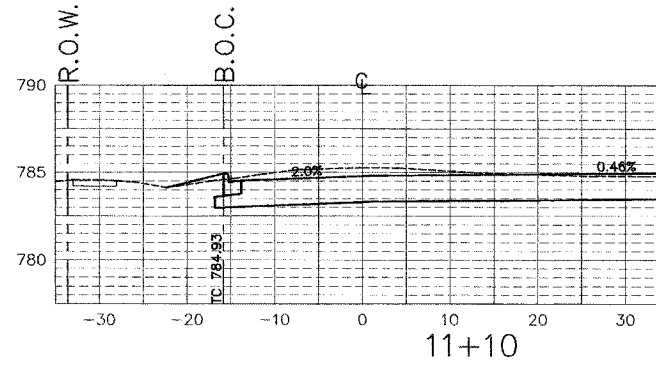
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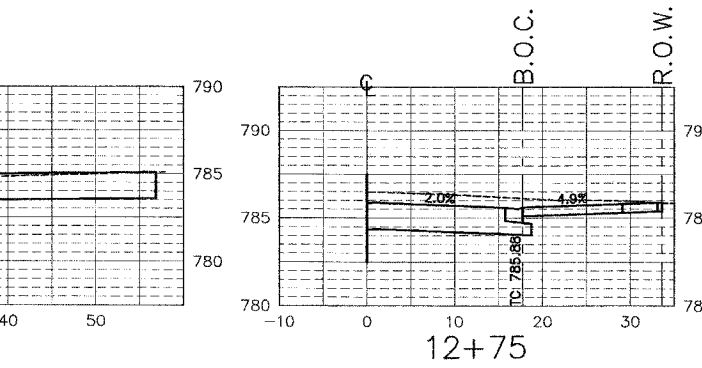
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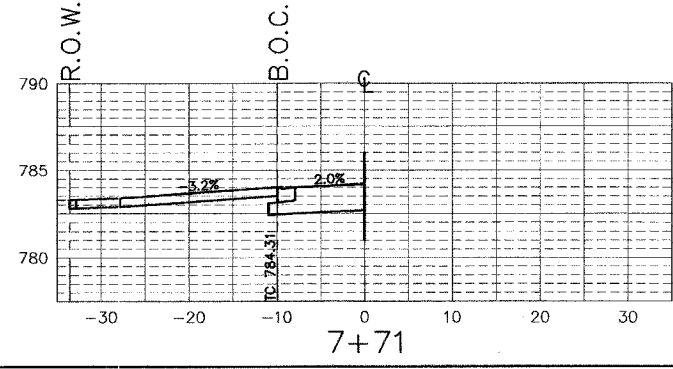
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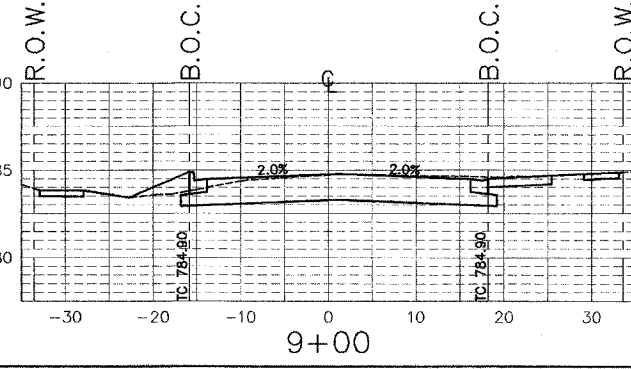
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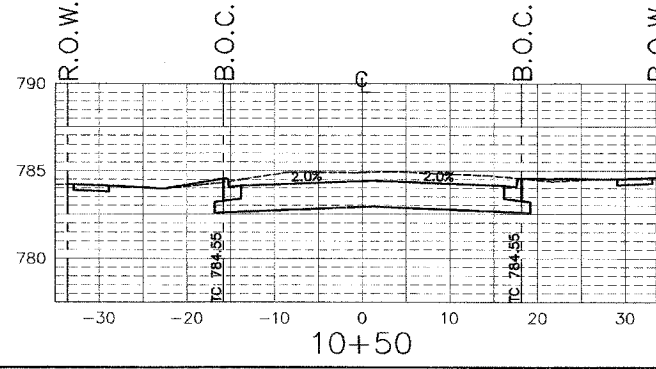
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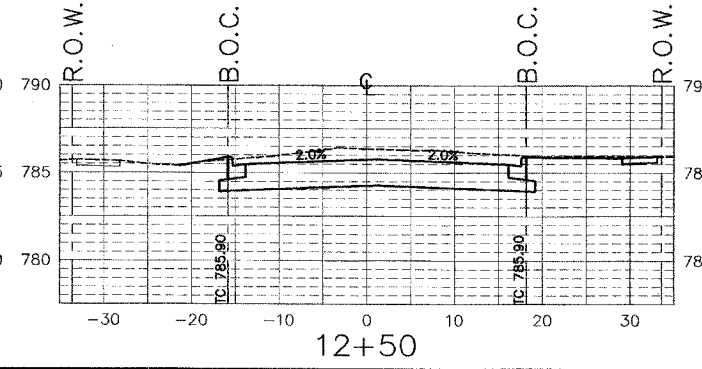
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9+00



10+50

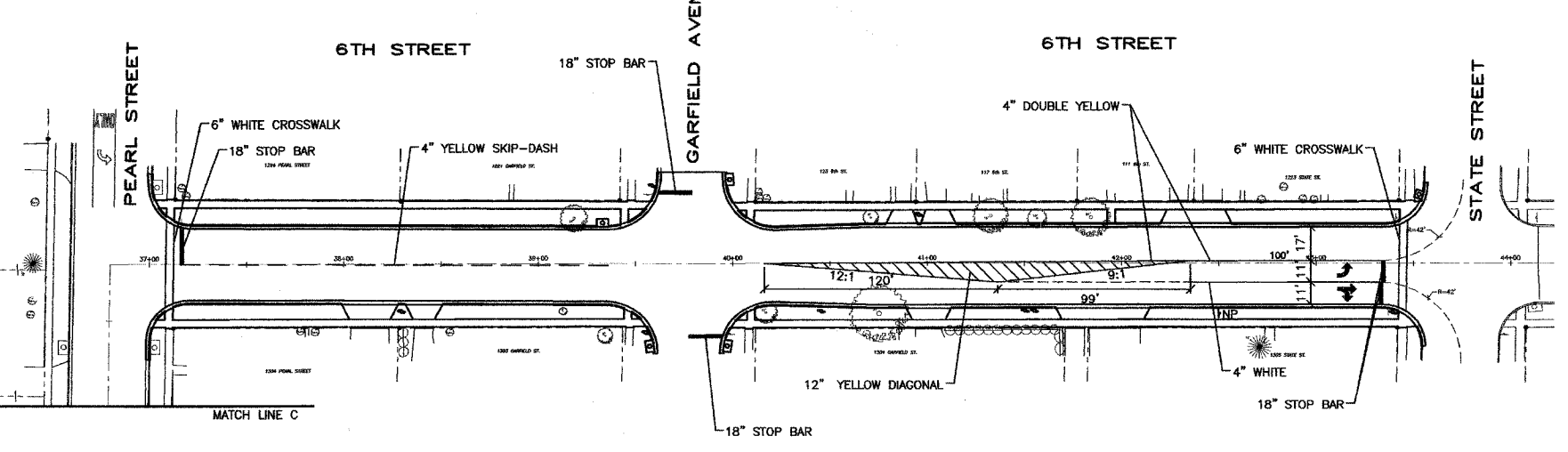
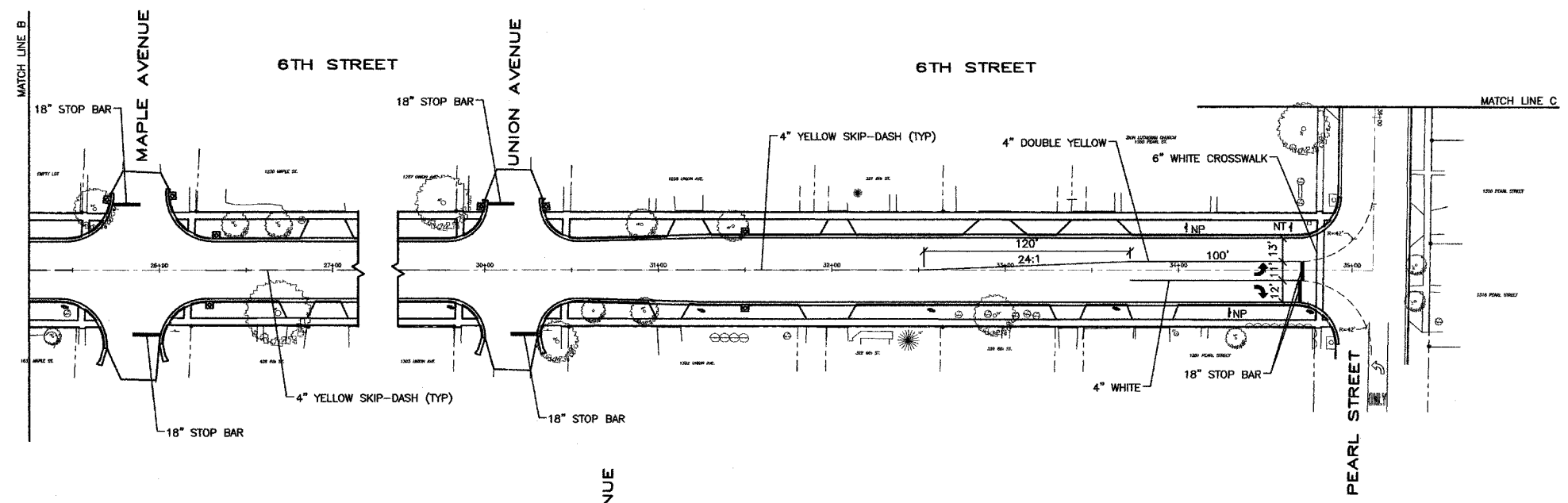
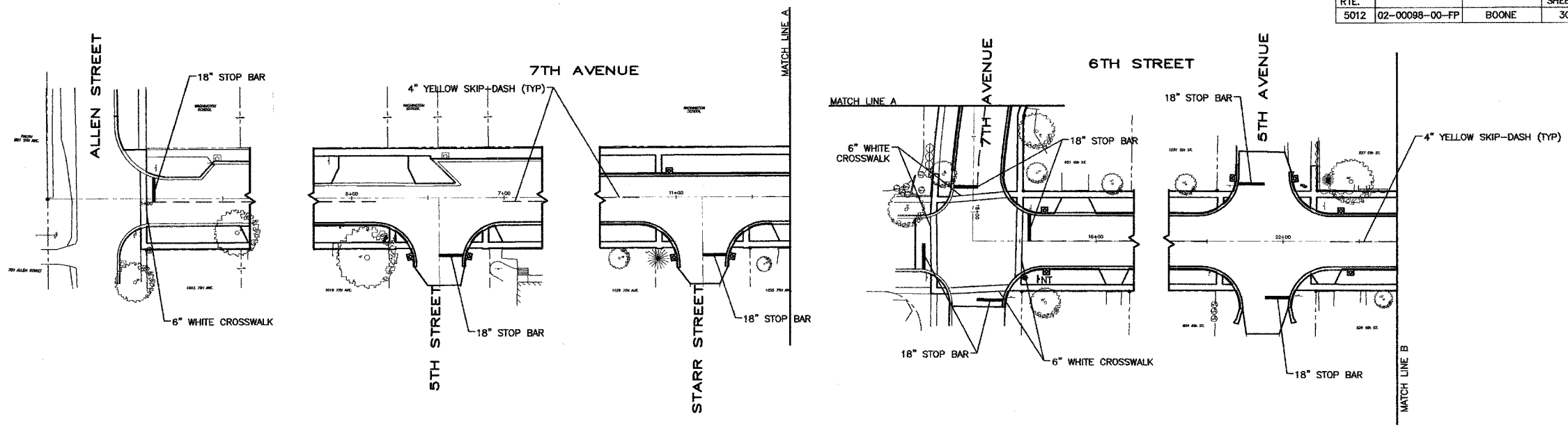


12+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	26



SCALE: 1" = 40'
NOTE: STRIPING DASH LENGTHS ARE NOT TO SCALE



LEGEND

STOP SIGN (EXTG.)	—
NO PARKING SIGN	— NP
NO TRUCKS SIGN	— NT
CURVE CL	---
PARKING AREAS	P
EXISTING STRIPING	—
PROPOSED STRIPING	—

SUMMARY OF QUANTITIES PAVEMENT STRIPING

DESCRIPTION (THK)-MAT'L	QUAN.
4" YELLOW/WHITE	3211 LF
6" WHITE	642 LF
12" YELLOW	280 LF
18" WHITE	308 LF
LETTERS & SYMBOLS	42 SF

NOTES:
1. PAVEMENT MARKINGS TO BE THERMOPLASTIC IN ACCORDANCE WITH IDOT SPEC. 780.05.

PAVEMENT MARKING & SIGNAGE PLAN

ROSARIO S. TARARA
LAND SURVEYING, INC.
3600 EAST STATE STREET, SUITE 315, ROCKFORD, IL 61108 (815)397-6333

CARROLL ENGINEERING & ASSOCIATES, P.C.
111 W. HURLBUT AVE. BELVIDERE, IL
TELEPHONE (815) 547-3406

DESIGN FIRM NUMBER: 184-002928 (35-002994)
ISSUE DATE: 03/24/2005
REVISION NO. & DATE:
PROJECT NO.: 372

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	27

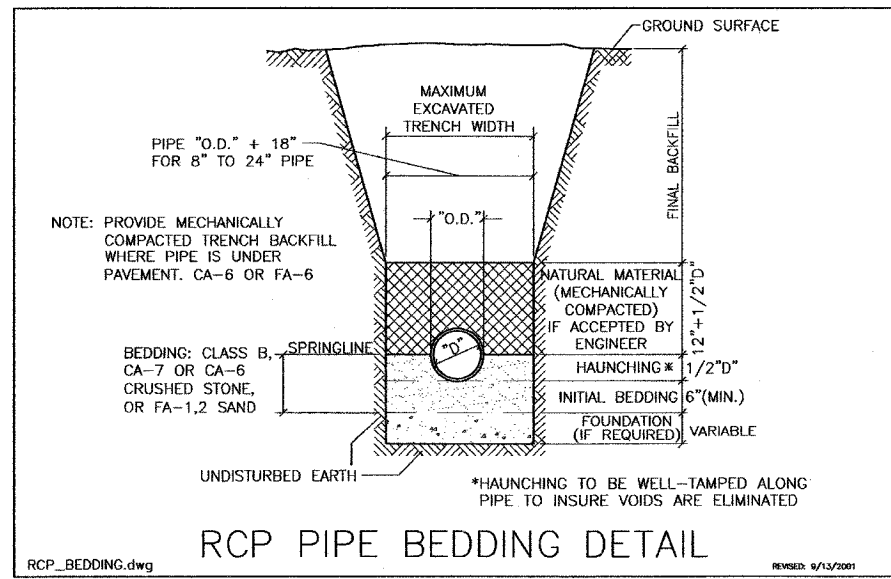
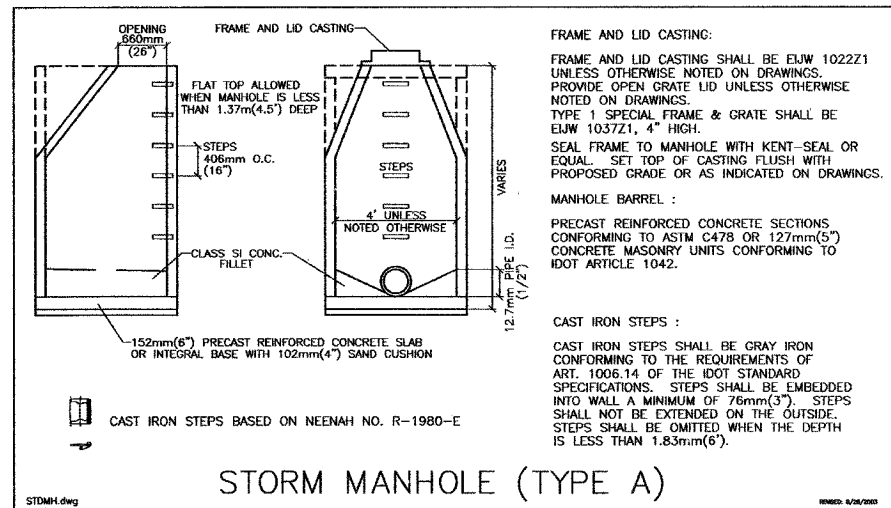
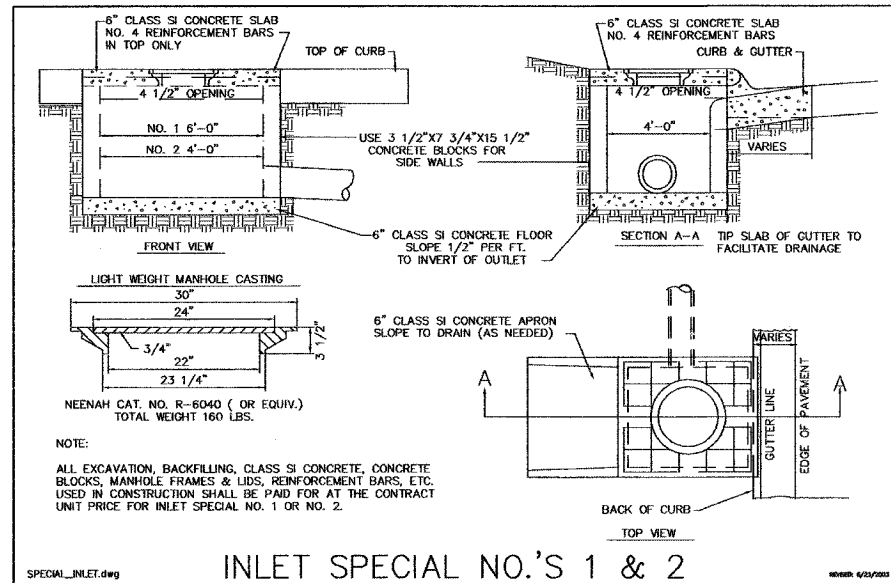


TABLE 1

INSIDE DIAMETER OF CONDUIT IN INCHES	MAXIMUM TRENCH WIDTH IN FEET FOR PAYMENT	BEDDING C.Y./FOOT WHERE ELIGIBLE FOR PAYMENT	HAUNCHING C.Y./FOOT WHERE ELIGIBLE FOR PAYMENT	INITIAL BACKFILL C.Y./FOOT WHERE ELIGIBLE FOR PAYMENT	FINAL BACKFILL C.Y./FOOT PER FOOT OF DEPTH WHERE ELIGIBLE FOR PAYMENT	PERMANENT PAVEMENT REMOVAL AND REPLACEMENT S.Y./FOOT
6	3.58	0.04	0.03	0.17	0.13	0.62
8	3.78	0.05	0.05	0.19	0.14	0.64
10	3.97	0.05	0.06	0.20	0.15	0.66
12	4.17	0.05	0.07	0.22	0.15	0.68
14	4.36	0.05	0.08	0.24	0.16	0.71
15	4.46	0.06	0.09	0.25	0.17	0.72
16	4.56	0.06	0.10	0.26	0.17	0.73
18	4.75	0.06	0.11	0.29	0.18	0.75
20	4.94	0.06	0.12	0.31	0.18	0.77
21	5.04	0.06	0.13	0.32	0.19	0.78
24	5.33	0.07	0.15	0.35	0.20	0.81
27	5.63	0.07	0.17	0.38	0.21	0.85
28	5.72	0.07	0.18	0.39	0.21	0.86
30	5.92	0.07	0.20	0.41	0.22	0.88
33	6.21	0.08	0.22	0.45	0.23	0.91
36	6.50	0.08	0.24	0.48	0.24	0.94
42	7.08	0.09	0.29	0.56	0.26	1.01
48	7.67	0.09	0.35	0.63	0.28	1.07
54	8.25	0.10	0.40	0.71	0.31	1.14
60	8.83	0.11	0.46	0.79	0.33	1.20
66	9.42	0.12	0.52	0.87	0.35	1.27
72	10.00	0.12	0.58	0.95	0.37	1.33
78	10.58	0.13	0.65	1.04	0.39	1.40
84	11.17	0.14	0.72	1.13	0.41	1.46
90	11.75	0.15	0.79	1.23	0.44	1.53
96	12.33	0.15	0.86	1.32	0.46	1.59
102	12.92	0.16	0.94	1.42	0.48	1.66
108	13.50	0.17	1.02	1.52	0.50	1.72
120	14.67	0.18	1.19	1.73	0.54	1.85

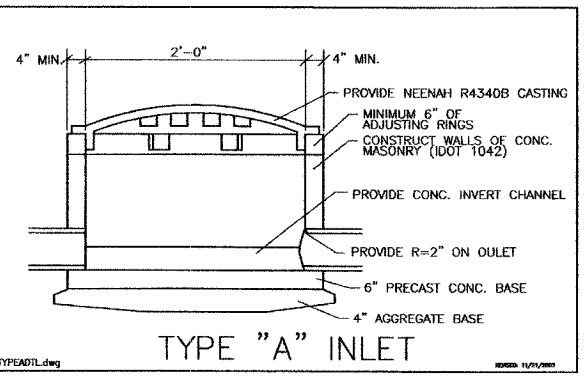
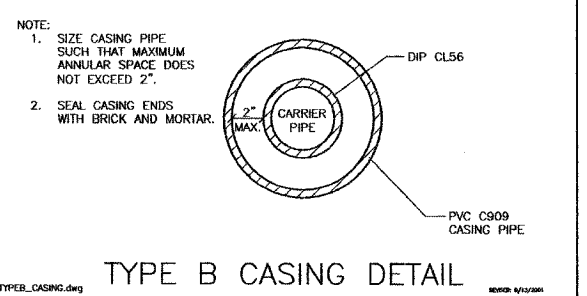
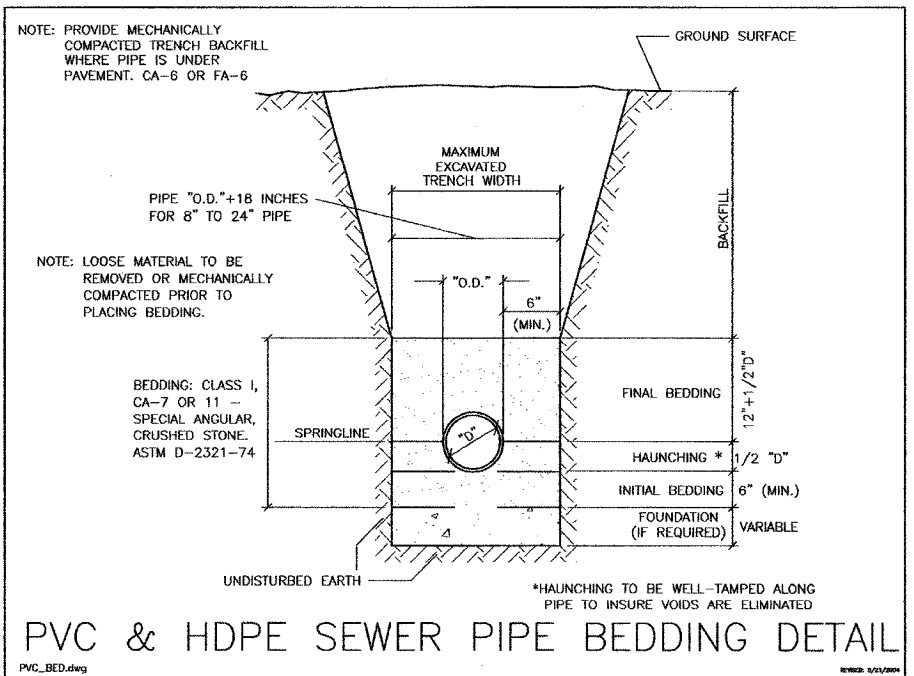
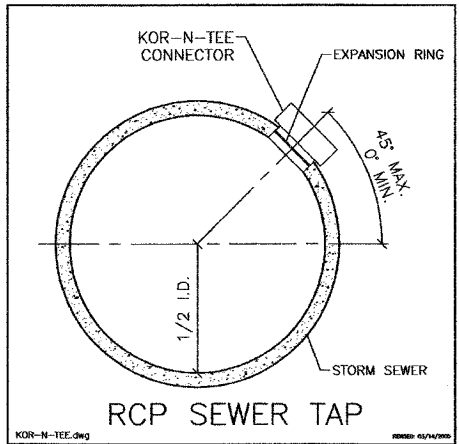
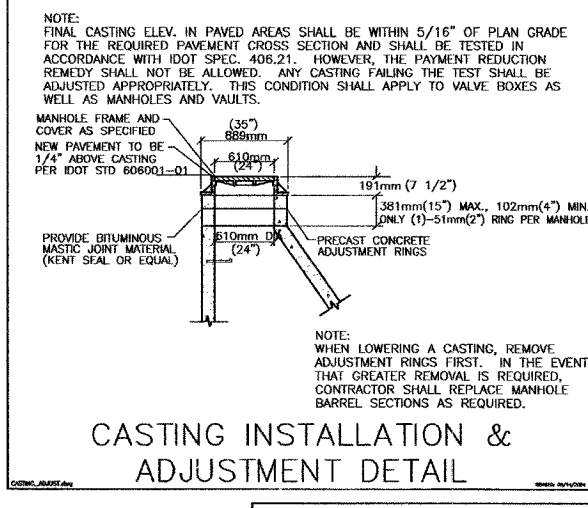
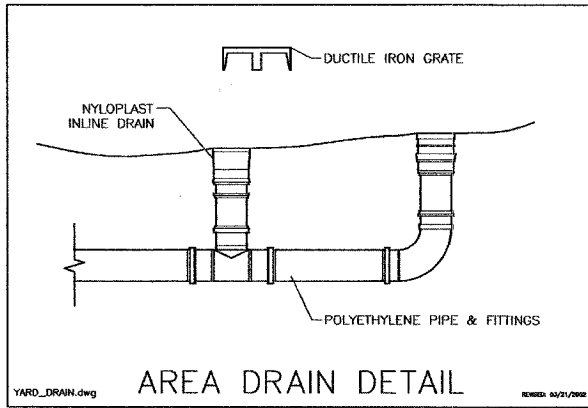
PAY TABLE

STANDARD DRAWING NO. 2

DIV. V / STANDARD DRAWING NO. 2

DIV. V

PAGE: 128



ROSARIO S. TARARA
LAND SURVEYING, INC.

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CARROLL ENGINEERING & ASSOCIATES, P.C.

111 W. HURLBUT AVE. BELVIDERE, IL (815) 547-3406

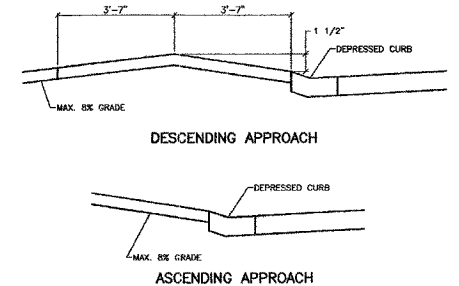
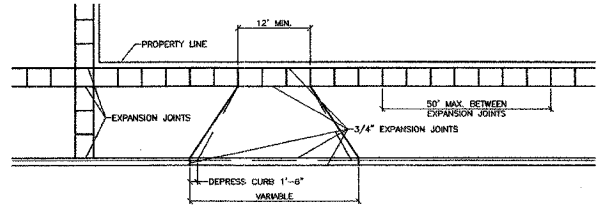
DESIGN FIRM NUMBER: 104-002928 (CS-002994)

DATE: 03/24/2005

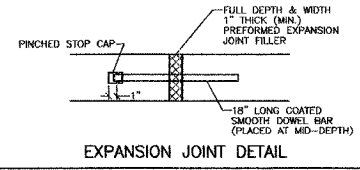
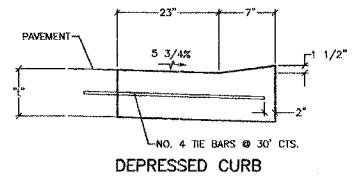
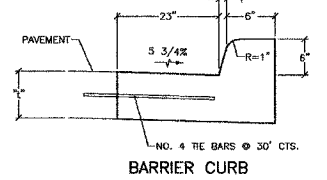
PROJECT NO.: 372

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	28

1. ALL WORK SHALL BE COMPLETED UNDER THE APPLICABLE PORTIONS OF THE CURRENT EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
2. WALK SHALL SLOPE 1/4" PER FOOT TOWARDS STREET.
3. JOINTS SHALL BE CUT EVERY 4' WITH A STANDARD JOINTING TOOL AND ALL EDGES SHALL BE TROWELED SMOOTH AND BROOM FINISHED IN A WORKMANLIKE MANNER.
4. STANDARD SIDEWALK SHALL BE A MINIMUM OF 4" THICK. DRIVEWAY APPROACHES AND SIDEWALK IN DRIVEWAYS SHALL BE AT LEAST 6" THICK.
5. BACK OF SIDEWALK SHALL BE LOCATED 6" TO THE STREET SIDE OF THE PROPERTY LINE.
6. SUB-BASE SHALL BE COMPACTED AND FREE OF VEGETATION.
7. ALL DIMENSIONS SHALL BE AS NOTED OR AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR HIS REPRESENTATIVE. NO CONCRETE SHALL BE POURED PRIOR TO INSPECTION BY THE DIRECTOR OR HIS REPRESENTATIVE.
8. MINIMUM FLARE (F) EQUALS ONE HALF OF FEDERAL WIDTH (F) WITH MAXIMUM FLARE OF 5'.
9. AT NEW DRIVEWAYS, EITHER THE TOP OF THE EXISTING CURB MUST BE SHIMED TO CREATE A DEPRESSED CURB OR THE ENTIRE CURB AND GUTTER MUST BE SAWS, REMOVED AND REPLACED WITH A DEPRESSED SECTION OF CURB AND GUTTER. CURBS AND GUTTER MAY BE REMOVED TO THE NEAREST CLEAN JOINT IN LIEU OF SHIMING.
10. DRIVEWAY APPROACH PAVEMENT SHALL BE A MINIMUM OF 6" CONCRETE OR 8" AGGREGATE BASE WITH 3" BITUMINOUS SURFACE. BITUMINOUS APPROACHES SHALL BE FORMED WITH FORM BOARDS ON EACH SIDE.

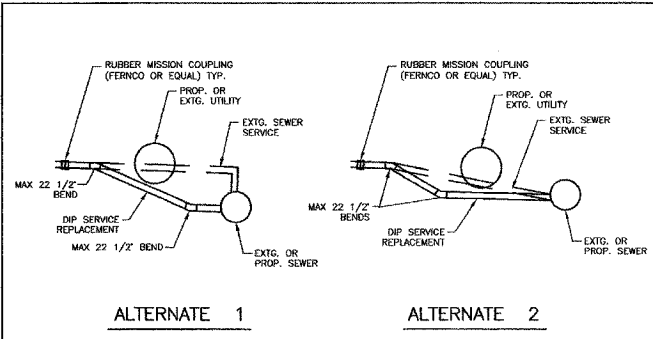
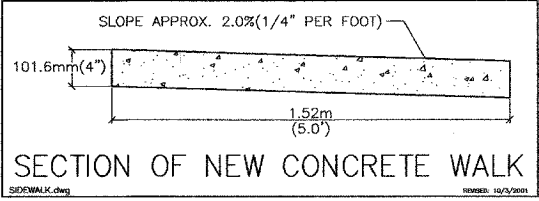


RESIDENTIAL DRIVEWAY APPROACH & SIDEWALK DETAIL



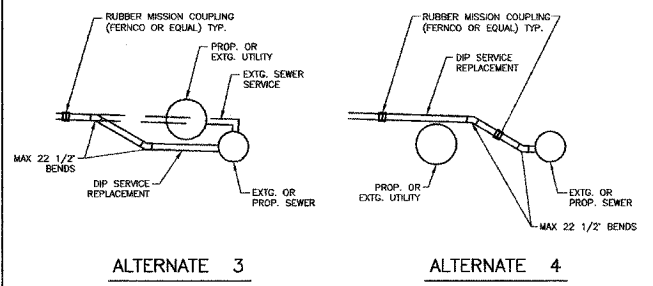
GENERAL NOTES
 THICKNESS - 1" = THICKNESS OF PAVEMENT (9" MIN.)
 DEPRESSED CURBS - THE 1 1/2" RISE SHALL BE REDUCED TO 1/2" WHEN CURB IS PLACED ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED.
 EXPANSION JOINTS SHALL BE PLACED EVERY 10'.
 SAWS CONTRACT JOINTS SHALL BE PLACED EVERY 10'.

CURB & GUTTER DETAIL

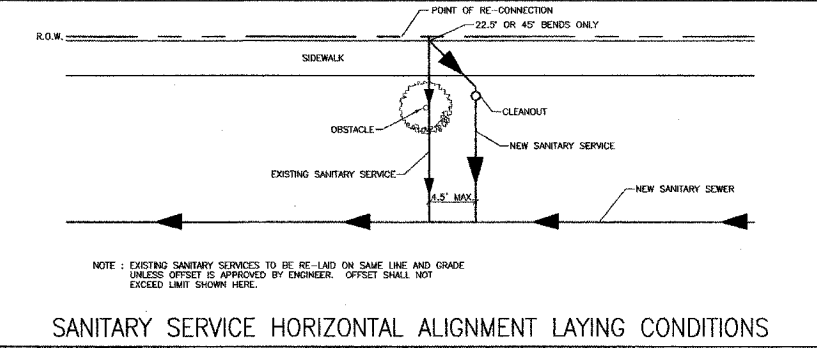


ALTERNATE 1 **ALTERNATE 2**

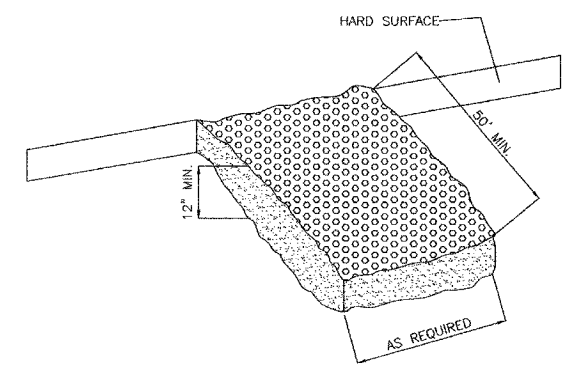
NOTES:
 1. PROPOSED SERVICE TO BE MIN. 1.0% GRADE.
 2. MAINTAIN MIN. 6" SEPARATION BETWEEN PROPOSED SERVICE AND OTHER UTILITIES.
 3. DO NOT PLACE BENDS UNDER OTHER UTILITIES. USE STRAIGHT PIPE.
 4. USE WATERMAIN QUALITY PIPE WHEN CROSSING OVER WATERMAIN.



SEE RISER DETAIL FOR INSTALLATION REQUIREMENTS
 SANITARY SERVICE VERTICAL ADJUSTMENT LAYING CONDITIONS

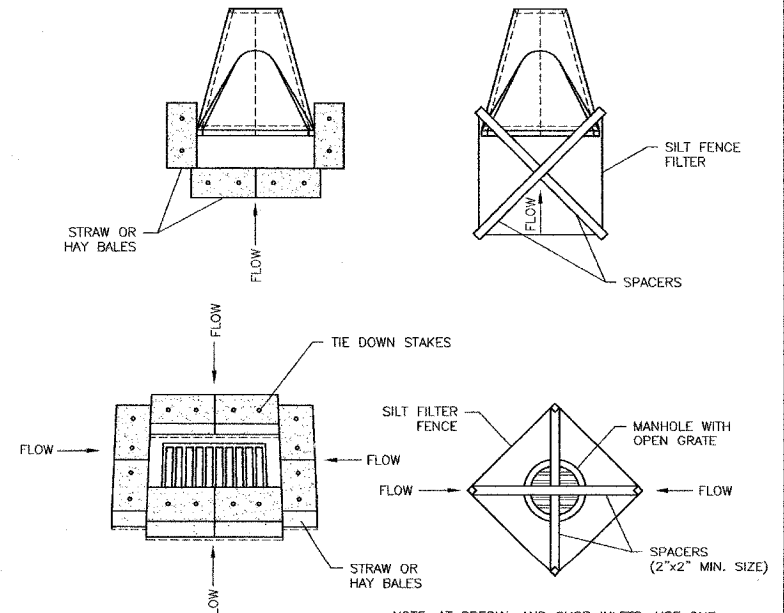


SANITARY SERVICE HORIZONTAL ALIGNMENT LAYING CONDITIONS



1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN TWELVE (12) INCHES.
4. WIDTH - TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5-1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. SILT FENCE SHALL LINE BOTH SIDES OF THE ENTRANCE WAY FOR THE ENTIRE LENGTH. THIS WILL ENCOURAGE THE FULL USE OF THE DESIRED ENTRANCE.

TEMPORARY ROCK CONSTRUCTION ENTRANCE



NOTE: AT SPECIAL AND CURB INLETS, USE ONE OF THE ABOVE METHODS UNTIL CURB IS INSTALLED. AFTER CURB IS INSTALLED, SAND BAG INLET OPENING UNTIL ROAD PAVED AND VEGETATION IS STABILIZED.

INLET AND CULVERT PROTECTION

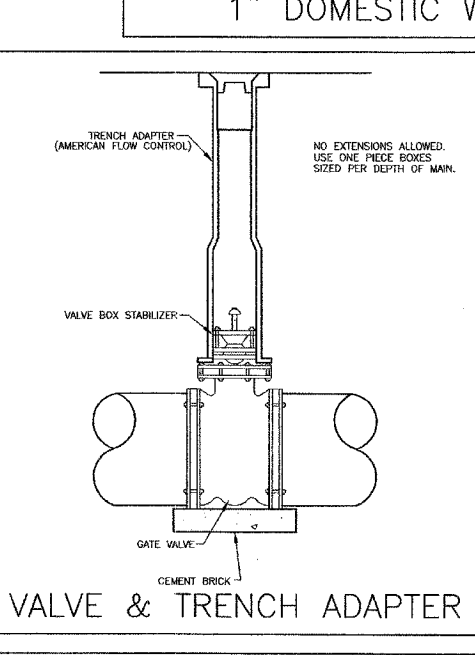
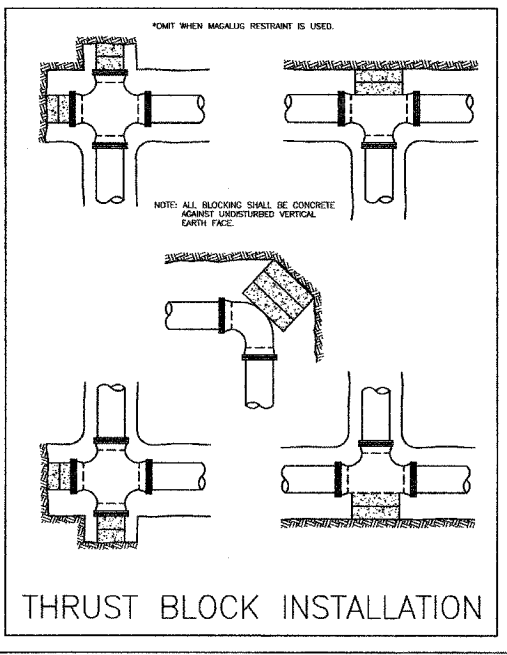
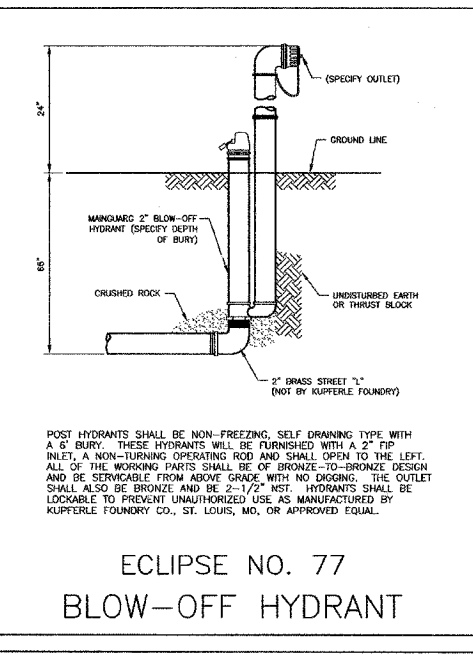
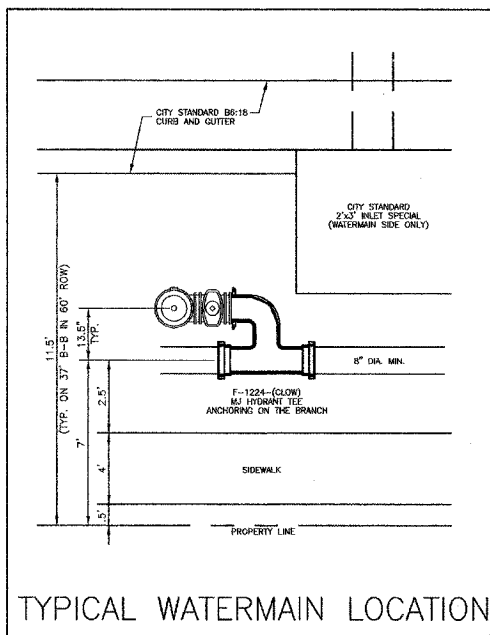
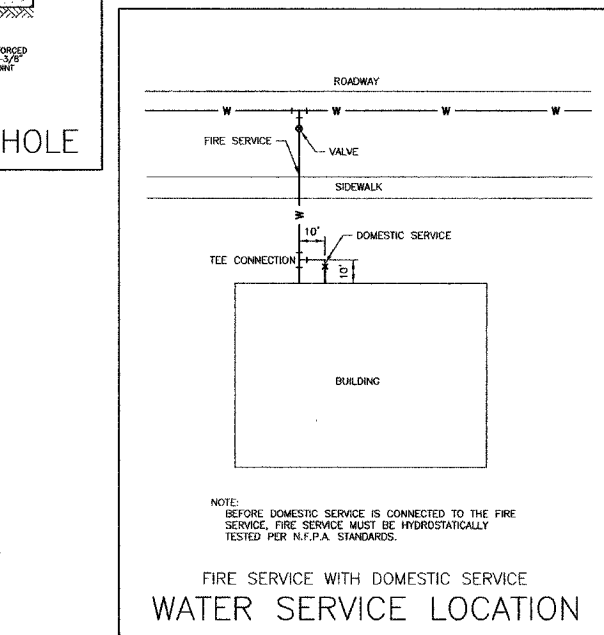
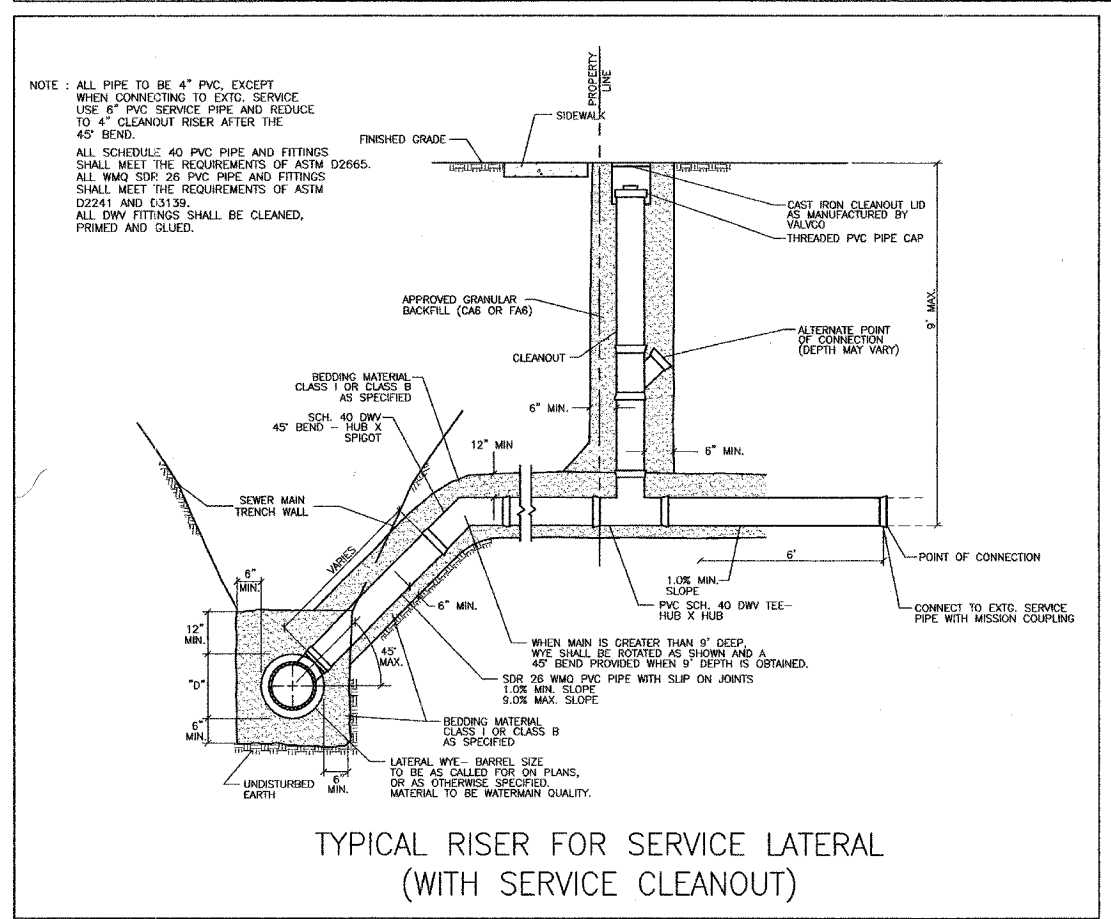
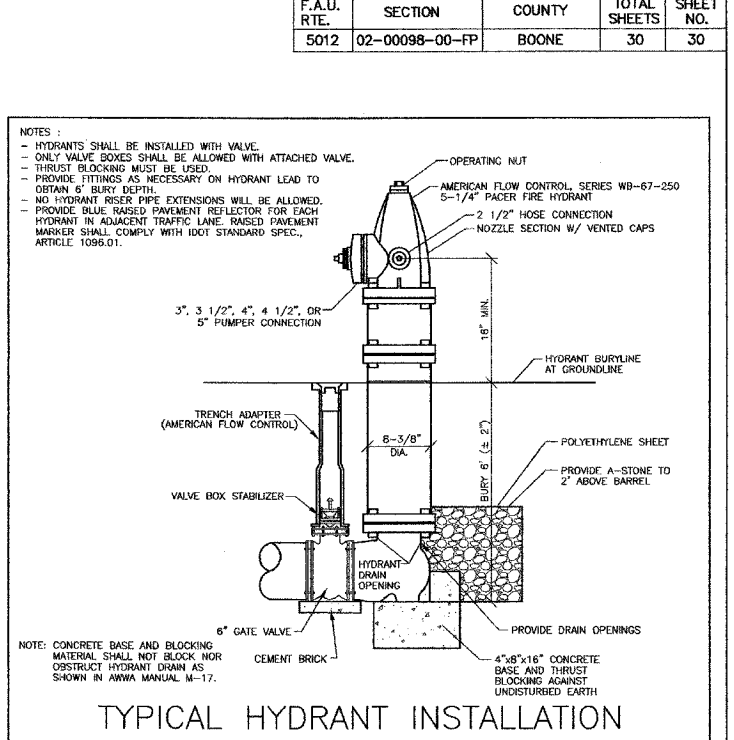
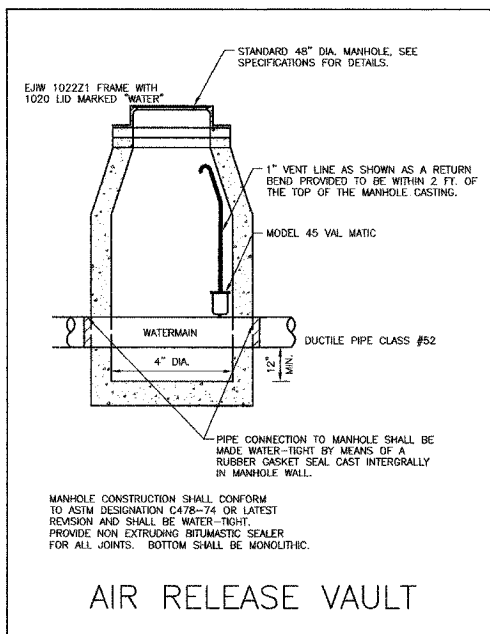
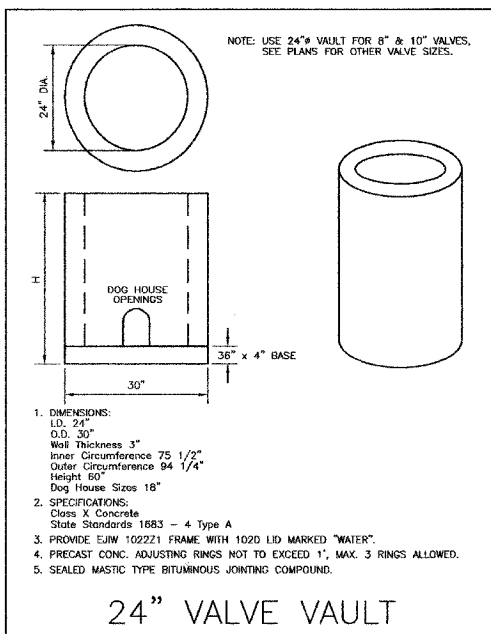
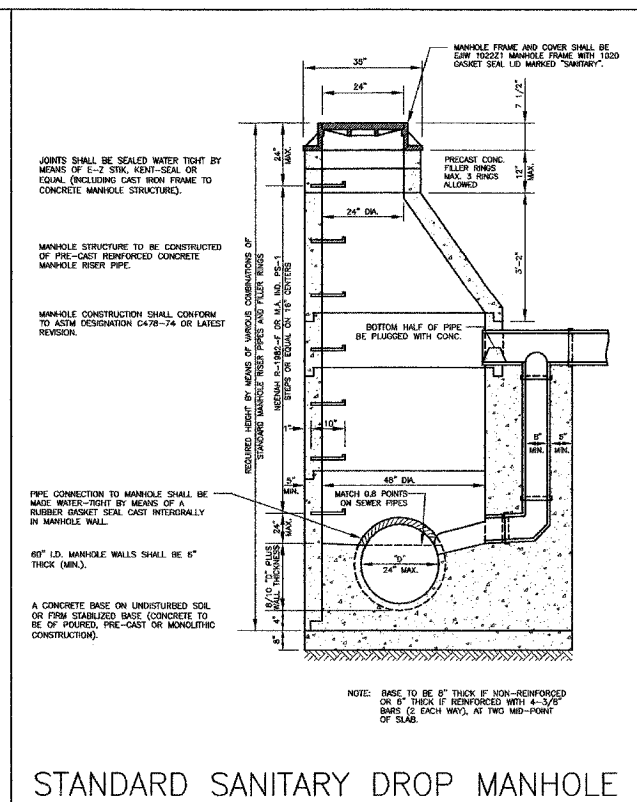
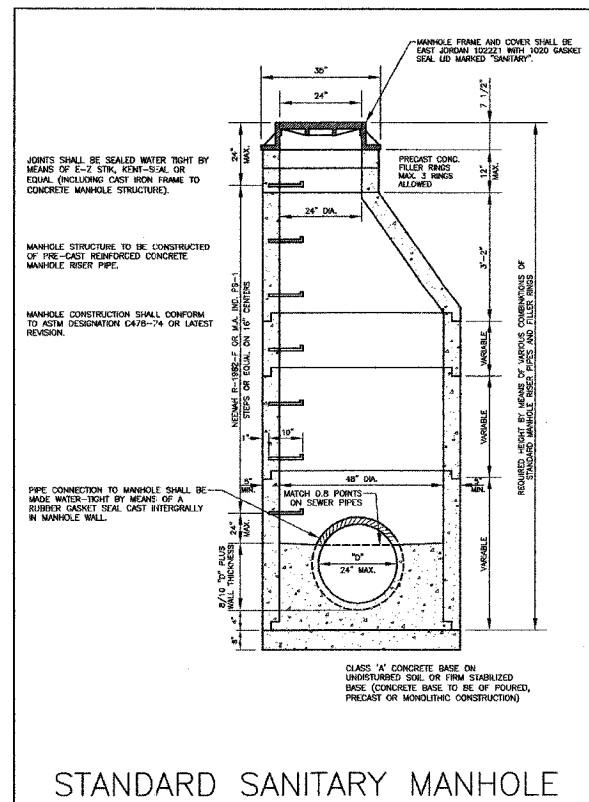
ROSARIO S. TARARA
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DESIGN FIRM NUMBER: 184-002928 (35-002994)

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PROJ. DATE: 03/24/2005 REVISION NO. & DATE: PROJECT NO.: 372

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5012	02-00098-00-FP	BOONE	30	30



SANITARY SEWER AND WATER DETAILS

CITY OF BELVIDERE

BY: J. GRIMES DATE: 09/20/2002

REV: 03/23/2005 SHT. NO. 2 OF 2