3-5-10 Letting, Item 026

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9452	08-00059-00-RP	FRANKLIN	39	1
NORTH DUQUOIN STREET		CONTRACT NO.	99396	

SCALE IN FEET

PLAN 0 20'

PROFILE HORIZ. 0 20'

PROFILE VERT. 0 5'

CROSS SECTIONS HORIZ. 0 5'

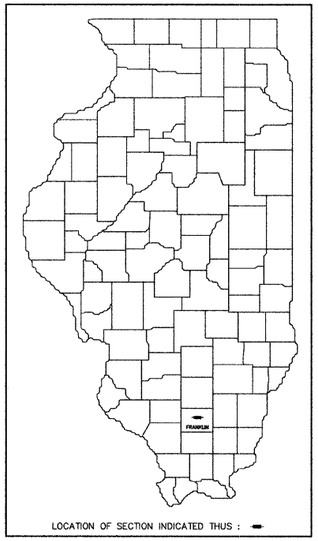
CROSS SECTIONS VERT. 0 5'

JOINT UTILITY LOCATING INFORMATION
FOR EXCAVATIONS (J.U.L.I.E.)
PHONE 1-800-892-0123

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR
PROPOSED NORTH DUQUOIN STREET IMPROVEMENTS
F.A.U. ROUTE 9452
AMERICAN RECOVERY AND REINVESTMENT ACT 2009

CITY OF BENTON
SECTION 08-00059-00-RP
FRANKLIN COUNTY, ILLINOIS
PROJECT: ARA-M-5005(011)
JOB: C-99-509-09



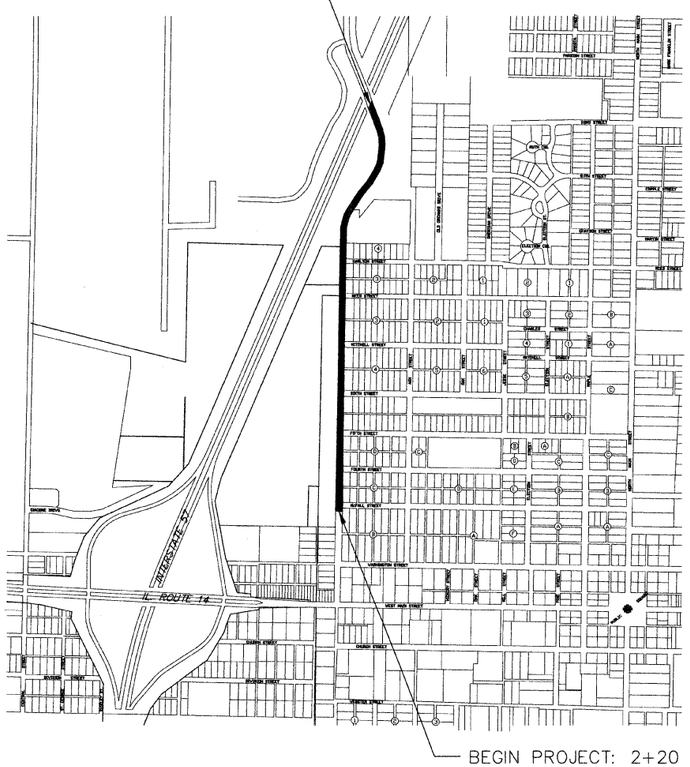
LOCATION OF SECTION INDICATED THUS :

SHEET NO.	TITLE
1.	COVER SHEET
2.	TYPICAL SECTIONS, MISCELLANEOUS DETAILS, LEGEND
3.	SUMMARY OF QUANTITIES, GENERAL NOTES
4.	STORM WATER POLLUTION PREVENTION PLAN
5.-12.	PLAN AND PROFILE
13.-20.	REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES
21.	PAVEMENT MARKING PLAN
22.	TRAFFIC CONTROL AND PROTECTION PLAN
23.-39.	CROSS SECTIONS

FUNCTIONAL CLASSIFICATION: LOCAL STREET
ADT (2010): 1,060
ADT (2030): 1,300
DESIGN SPEED: 30

STANDARDS:

280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
602301-02	INLET, TYPE A
604001-03	FRAME AND LIDS, TYPE 1
602701-02	MANHOLE STEPS
606201-02	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
604036-02	TYPE 8 GRATE
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
720001-01	SIGN PANEL MOUNT DETAILS
720006-02	SIGN PANEL ERECT DETAILS
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
B.L.R. 10-6	PCC PAVEMENT SPECIAL
B.L.R. 26-2	STEEL PLATE BEAM GUARDRAIL



LOCATION MAP

LENGTH OF IMPROVEMENT = 3,479 FEET (0.659 MILES)

CONTRACT NO. 99396

NOTE: THE LOCATIONS AND SIZES OF EXISTING UTILITIES ARE SHOWN WITH THE BEST AVAILABLE INFORMATION. ACTUAL LOCATIONS, SIZES AND DEPTHS MAY VARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

ALL UTILITY POLES WITHIN 2 FT. OF THE FACE OF PROPOSED CURB SHALL BE RELOCATED, BY OTHERS.

CITY OF BENTON

Approved: 12-11 20 09
Local Agency, Mayor

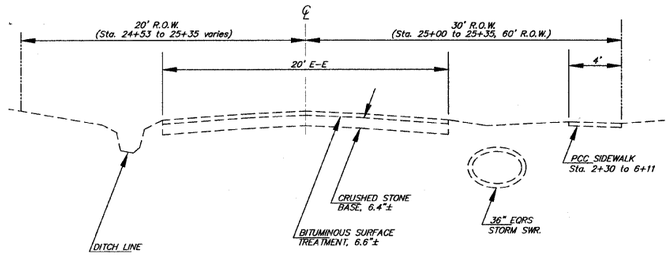
Passed: 12-14 20 09
Richard W. Melcher
District #9 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: 12-14 20 09
Mary C. Lemie
Deputy Director of Highways, Region #5 Engineer

Trent J. McPeak
Illinois Licensed Professional Engineer No. 062-052906
12-11-2009
Date
License Expires 11-30-2011

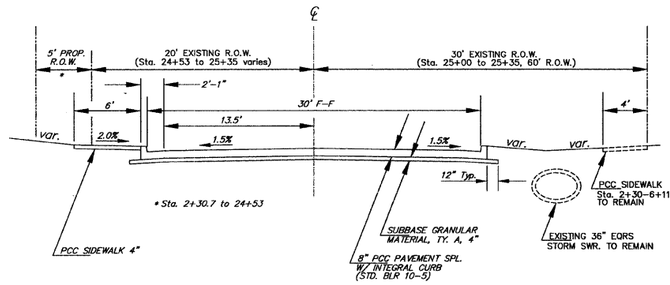
LICENSED PROFESSIONAL ENGINEER
TRENT J. MCPEAK
062.052906
STATE OF ILLINOIS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9452	08-00059-00-RP	FRANKLIN	39	2
NORTH DUQUOIN STREET		CONTRACT NO.	99396	



EXISTING TYPICAL SECTION TO BE REMOVED:

Sta. 2+20 to 25+35



PROPOSED TYPICAL SECTION:

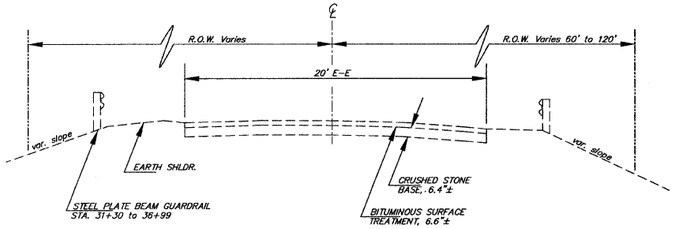
Sta. 2+20 to 25+35

STRUCTURAL DESIGN

CLASS IV STREET
DESIGN PERIOD, 20 YEARS
STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2030 – 1,300
P.V. 1,235 S.U. 50 M.U. 15

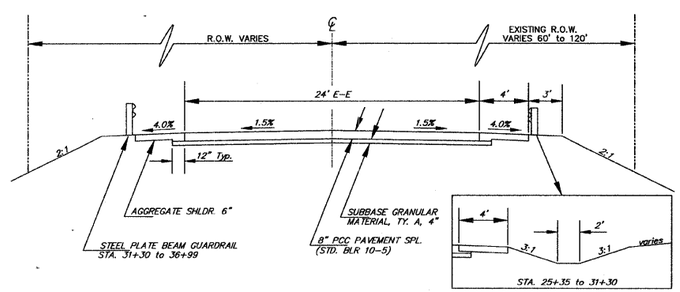
SOIL SUPPORT VALUE I.B.R. – 3.1
TRAFFIC FACTOR (T.F.) – 0.5

PAVEMENT STRUCTURE MATERIALS
BLR 10-6, P.C.C. PAVEMENT, SPECIAL 8.00" w/P.C.C. CURB & GUTTER
SUB-BASE ––– GRANULAR MATERIAL TYPE A, 4"



EXISTING TYPICAL SECTION TO BE REMOVED:

Sta. 25+35 to 36+99



PROPOSED TYPICAL SECTION:

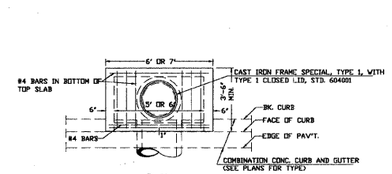
Sta. 25+35 to 36+99

STRUCTURAL DESIGN

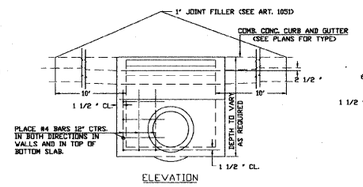
CLASS IV STREET
DESIGN PERIOD, 20 YEARS
STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2030 – 1,230
P.V. 1,165 S.U. 50 M.U. 15

SOIL SUPPORT VALUE I.B.R. – 3.1
TRAFFIC FACTOR (T.F.) – 0.5

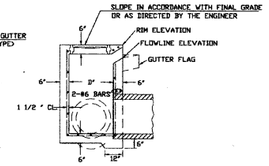
PAVEMENT STRUCTURE MATERIALS
BLR 10-6, P.C.C. PAVEMENT, SPECIAL 8.00" w/P.C.C. CURB & GUTTER
SUB-BASE ––– GRANULAR MATERIAL TYPE A, 4"



PLAN



ELEVATION



SECTION

DESIGN	PIPE DIAM.	'D'
A	18"&LESS	2'-6"
B	21"&24"	3'-0"
C	27"&30"	3'-7"
D	33"&36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

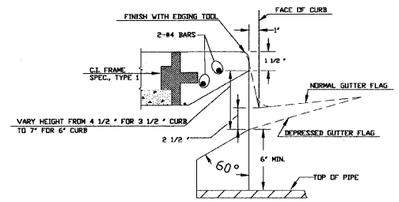
NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2 " BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

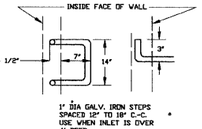
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

*WHERE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL, STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

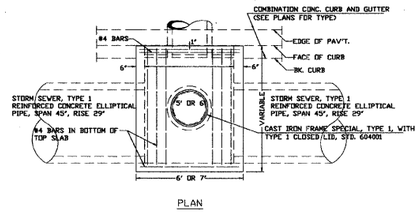
INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.



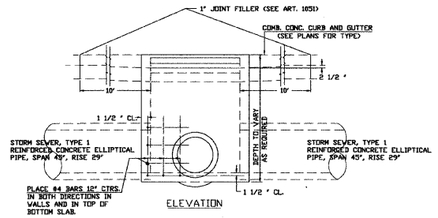
DETAIL AT WEIR



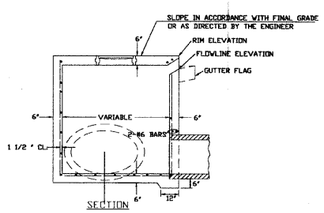
DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET



PLAN



ELEVATION



SECTION

NOTES:

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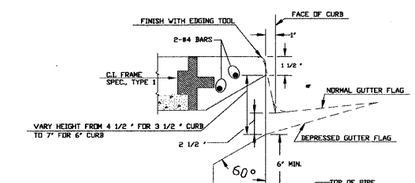
SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2 " BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

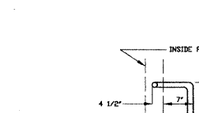
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

*WHERE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL, STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

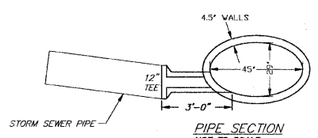
INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.



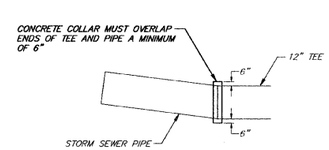
DETAIL AT WEIR



DETAILS OF INLET, SPECIAL



PIPE SECTION
NOT TO SCALE



PIPE COLLAR DETAIL
NOT TO SCALE

LEGEND FOR PLAN SHEETS

- PROP. COMBINATION CURB & GUTTER
- PROP. DEPRESSED CURB
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING FENCE
- PROPOSED STORM SEWER
- EXISTING RIGHT-OF-WAY
- PROPOSED EASEMENT
- PROPOSED R.O.W. LINE
- CONSTRUCTION LIMITS
- PROPOSED INLET
- PROPOSED MANHOLE
- SIGN
- GAS VALVE
- TREE
- TREE TO BE REMOVED
- GAS METER
- VAPOR LIGHT
- WATER METER
- PROPERTY CORNER
- EXISTING SIGNAL LIGHT
- GUY WIRE
- TEL. PEDESTAL
- MAIL BOX
- MANHOLE
- FENCE POST
- POWER POLE
- TELEPHONE POLE
- WATER VALVE
- FIRE HYDRANT
- EXISTING DITCH FLOW LINE
- PROPOSED DITCH FLOW LINE
- PROPOSED SWALE
- STRAW BALE DIKE
- PROPOSED FLARED END SECTION
- C.P. COLD PATCH

TYPICAL SECTIONS, MISCELLANEOUS DETAILS, LEGEND

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	3
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6" TO 15" DIAMETER)	UNIT	75
20100210	TREE REMOVAL (OVER 15" DIAMETER)	UNIT	450
20200100	EARTH EXCAVATION	CU YD	3,600
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	625
20800150	TRENCH BACKFILL	CU YD	49
25000100	SEEDING, CLASS 1	ACRE	2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4
25002300	TEMPORARY SEEDING	ACRE	2
25100630	EROSION CONTROL BLANKET	SQ YD	9,680
28000305	TEMPORARY DITCH CHECKS	FOOT	200
28000400	PERIMETER EROSION BARRIER	FOOT	2,398
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SQ YD	11,742
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	595
LR420129	PORTLAND CEMENT CONCRETE PAVEMENT, 8" SPECIAL w/ INTEGRAL CURB	SQ YD	10,621
42001300	PROTECTIVE COAT	SQ YD	12,000
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY, 6"	SQ YD	674
42400800	DETECTABLE WARNINGS	SQ FT	72
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	SQ FT	13,232
44000100	PAVEMENT REMOVAL	SQ YD	8,696
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	654
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	398
44000600	SIDEWALK REMOVAL	SQ FT	1,294
48100100	AGGREGATE SHOULDERS, TYPE A	TON	325
50105220	PIPE CULVERT REMOVAL	FOOT	148
50901760	PIPE HANDRAIL	FOOT	30
54011005	PRECAST CONCRETE BOX CULVERT 10' X 5'	FOOT	8
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	372
60100935	PIPE DRAINS, 10"	FOOT	477
60100945	PIPE DRAINS, 12"	FOOT	45
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	15
60242400	INLETS, SPECIAL	EACH	7
60243300	INLETS, SPECIAL, TYPE 3, 5 FT.	EACH	20
60300350	MANHOLE FRAMES, TO BE ADJUSTED	EACH	6
60500060	REMOVING INLETS	EACH	3
60600095	CLASS SI CONCRETE OUTLET	CU YD	5.4
* 63000002	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS	FOOT	1,125.0
63200305	STEEL PLATE BEAM GUARDRAIL REMOVAL	FOOT	1,130
67100100	MOBILIZATION	LSUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	LSUM	1
72000100	SIGN PANEL, TYPE 1	SQ FT	24
72800100	TELES STL SIN SUPPORT	FOOT	90
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,203

* SPECIALTY ITEMS

GENERAL NOTES

1. PROTECTIVE COAT SHALL BE APPLIED TO ALL P.C.C. PAVEMENT, P.C.C. DRIVEWAYS, GUTTER FLAGS AND FACE OF CURB, CONCRETE SIDEWALKS AND RETAINING WALLS AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.

2. AT ALL LOCATIONS WHERE CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE TYPE OF PAVEMENT BEING CONSTRUCTED.

3. THE REQUIREMENTS OF THE IEPA SHALL GOVERN THE HORIZONTAL AND VERTICAL SEPERATION OF THE WATER MAIN FROM THE STORM SEWER. IF REQUIRED THE STORM SEWER SHALL BE CONSTRUCTED USING WATER QUALITY P.V.C. PIPE. THIS WORK SHALL BE PAID FOR AS WATER QUALITY STORM SEWER OF THE SIZE AND TYPE SPECIFIED.

4. NOT ALL OF THE EXISTING WATER, SEWER, GAS, POWER AND/OR TELEPHONE LINES WHETHER ABOVE OR BELOW GROUND SURFACE HAVE BEEN SHOWN ON THE PLANS. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME ALL RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT SHOWN, AND MUST REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES SHOWN ON THE PLANS MAY DIFFER FROM THE LOCATION INDICATED.

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9452	08-00059-00-RP	FRANKLIN	39	4
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

GENERAL

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10-B376 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

The following plan has been established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The contractor shall comply with all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items shall be placed as shown in this plan. Other items shall be placed as directed by the Engineer based on situations resulting from the type of activities, time of year and weather conditions.

The Contractor shall place permanent erosion control and seeding within a reasonable time, thereby reducing areas open to the possibility of erosion. The Engineer will determine if temporary erosion control systems shown in the plans can be deleted, the size of proposed ditch checks, proper methods of installation, and if additional temporary erosion controls shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer.

SITE DESCRIPTION

Description of Construction Activities

1. Reconstruction of North DuQuoin Street from McFall Street to the Interstate 57 Overpass Bridge to include aggregate sub-base, concrete pavement with curb and gutter, driveways and sidewalks. Storm sewers shall be constructed to replace the existing drainage facilities.

Intended Sequence of Major Construction Activities

1. Mobilization and Construction Staking
2. Install Silt Fences and Temporoary Erosion Control Measures
3. Relocate Underground Utilities
4. Tree Removal and Ditch Construction
5. Install Pipe Culverts and Storm Sewers
6. Excavation / Embankment to Designed Sub-grade
7. Subgrade Compaction
8. Aggregate Base Course Placement and Compaction
9. P.C.C. Pavement with Curb and Gutter
10. Seed and Mulch within 14 days after Final Grading
11. Remove Temporary Erosion and Sediment Control Items
12. Final Clean-up

Area of Construction Site

1. The total area of the construction site is estimated to be 6.20 acres in which 4.40 acres will be disturbed by excavation, grading or other activities.

Referenced Documents

1. Soil Boring Logs
2. Soil Survey Map of Franklin County
3. U.S.G.S. Maps

Receiving Streams

1. Unnamed Stream; tributary to Follet Branch; tributary to the Big Muddy River
2. Unnamed Stream; tributary to Sugar Creek; tributary to the Big Muddy River

EROSION CONTROLS AND SEDIMENT CONTROLS

Stabilization Practices

1. Temporary Stabilization
   (a) Areas of existing vegetation outside the proposed construction slope limits shall be identified for preservation and shall be protected from construction or other activities which would be detrimental to their maintenance and development.
   (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
   (c) As soon as reasonable access is available to all locations where water drains away from the project, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and as directed by the Engineer.
   (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded where no construction activities are expected within seven days as stated in the special provision "Temporary Seeding".
   (e) Top soil stockpiles, earth stockpiles and disturbed portions of the site where construction activity temporarily ceases for at least tweny-one days shall be temporarily seeded no later than fourteen days from the last construction activity in that area as stated in the special provision "Temporary Seeding".
   (f) Temporary erosion control items shall be removed as directed by the Engineer after the item is no longer needed or it is no longer functioning.
2. Permanent Stabilization
   (a) Excavated areas, embankments and all other disturbed portions of the site where construction activity permanently ceases shall be stabilized with permanent seed no later than fourteen days after the last construction activity. This work shall be done in accordance with Section 250 - Seeding, of the Standard Specifications.
   (b) All seeded areas shall be inspected at least one time each seven days and within 24 hours after a rainfall of 0.5" or greater.
   (c) The project shall be inspected by the Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

Structural Practices

1. Perimeter barriers, ditch checks and inlet/pipe protection shall be constructed at all locations as indicated in the plans and at any additional location as directed by the Engineer.
2. Temporary rip-rap ditch checks will be allowed to remain in place where approved by the Engineer.
3. Sediment collected during construction by the various temporary erosion control systems shall be disposed of on a regular basis as directed by the Engineer.

Storm Water Management

1. Storm water management will be provided by drainage ditches, swales, storm sewers, and catch basins for the site. The areas will be graded to drain and have permanent seeding.

OTHER CONTROLS

Waste Disposal

1. Waste Materials - All waste materials will be collected and stored in containers with lids and will be disposed of by a licensed solid waste company. The containers will meet all state and local solid waste management regulations. All trash and construction debris from the site will be deposited in the containers. The containers will be emptied and the trash hauled offsite on an as needed basis or as directed by the Engineer. No construction waste materials will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal and a notice stating these practices will be posted in the Contractor's office trailer.
2. Hazardous Materials - All hazardous waste materials shall be disposed of in the manner specified by state or local regulations or by the manufacurer's Material Safety Data Sheet (MSDS). Site personnel will be instructed regarding the correct procedure for hazardous waste disposal.
3. Sanitary Waste - All sanitary waste will be collected from any portable units a minimum of once per week by a licensed sanitary waste management contractor as required by local regulations.

Offsite Vehicle Tracking

1. If deemed necessary, a vehicle wash off area with yard hydrants will be provided by the contractor to help reduce vehicle tracking of sediments. The contractor shall provide all measures as required by IDOT for accessing public roads by construction vehicles.

TIMING OF CONTROLS/MEASURES

As indicated in the sequence of major activities, the silt fencing and other temporary erosion controls will be constructed prior to clearing or grading of any other portions of the site. Areas where construction activity temporarily ceases for more than twenty-one days will be stabilized with a temporary seed and mulch within fourteen days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch as per the specifications. All accumulated sediment will be removed and the area will be monitored and maintained until stabilized.

MAINTENANCE/INSPECTION PROCEDURES

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls:

1. All control measures shall be inspected by the Engineer on a bi-weekly basis and following any storm event of 0.5" or greater.
2. All measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of the report.
3. Built up sediment will be removed from silt fence when it has reached one-quarter the height of the fence.
4. Silt fence will be inspected for depth of sediment, tears, whether fabric is securely attached to posts, and whether posts are firmly embedded in the ground.
5. Sediment traps and ditch checks will be inspected for depth of sediment and secured placement. Accumulated sediment will be removed when it reaches the maximum allowed sediment level or at the direction of the Engineer.
6. All ditches will be inspected and any breaches promptly repaired.
7. Temporary and permanent seeding will be inspected for bare spots, washouts, rills, cuts and healthy growth.
8. The contractor shall have two individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenace report. The Engineer shall verify all inspections, maintenance and repair activities.
9. A maintenance inspection report in accordance with Part IV.D.4.b of the general permit shall be made and kept on file by the Contractor as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with Part VI.G of the General Permit.
10. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, The Engineer shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Engineer shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance.

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present onsite during construction:

1. Concrete
2. Detergents
3. Fertilizers
4. Paints
5. Cleaning Solvents
6. Wood
7. Lime
8. Petroleum Products

SPILL PREVENTION

Material Management Practices

1. Good Housekeeping Practices - The following will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff:
   (a) Effort to store only enough product to do the job.
   (b) Materials stored in a neat, orderly manner in their appropriate containers.
   (c) Products kept in original containers with original manufacturers labels.
   (d) Materials not mixed with one another unless recommended by the manufacturer.
   (e) All of a product will be used before disposing of the container.
   (f) Manufacturer's recommendations for proper use and disposal will be followed.
2. Hazardous Products - These practices are used to reduce the risks associated with hazardous materials:
   (a) Products will be kept in original containers unless they are not resealable.
   (b) Original containers and Material Safety Data Sheets (MSDS's) will be retained.
   (c) If surplus product must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.

Product Specific Practices

The following practices will be followed onsite:

1. Petroleum Products - All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

   Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution runoff in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immeadiatly repaired or removed from the site.
2. Fertilizers - All fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water runoff. Storage will be in a covered area. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.
3. Paints - All containers will be tightly sealed and stored when not required for use. Excess paint will not be dumped on the ground or discharged into the storm sewer system, but will be properly disposed of according to the manufacturer's instructions or applicable state or local regulations.
4. Concrete Trucks - Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water onsite unless in an approved holding basin.

STORM WATER POLLUTION PREVENTION PLAN CERTIFICATION

This Plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurarte and complete. I am aware that there are signifigant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mayor, City of Benton

12-11-09
Date

STORM WATER POLLUTION PREVENTION PLAN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	5
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)

BUILDING
HMA PARKING LOT
U.S. POST OFFICE PARCEL #1
FIFTH SEASON RESIDENTIAL PARCEL #2
HMA PARKING AREA
COVERED DRIVE
HMA P.E.
PCC P.E.
METAL VAPOR LIGHT UNDERGROUND FEED
NORTH DuQUOIN STREET
PCC
HMA
CSW
ROCK P.E.
FLOWER BED
YARD
HOUSE
GRASS ALLEY
FLOWERS
GAS
TEMP. EASEMENT
PROP. R.O.W.
R.O.W.
DO NOT ENTER
179°23'48"
PI +75.82
A3 SURFACE
McFALL ST. A3
FOURTH ST. A3
STRUCTURE 1 INLET SPECIAL TY. 3, 5 FT.
STRUCTURE 2 INLET SPECIAL TY. 3, 5 FT.
STRUCTURE 3 INLET SPECIAL TY. 3, 5 FT.
STRUCTURE 4 INLET SPECIAL TY. 3, 5 FT.
STRUCTURE 5 INLET SPECIAL
STRUCTURE 6 INLET SPECIAL TY. 3, 5 FT.
STRUCTURE 7 INLET SPECIAL
STORM SWRS RCCP TYPE 1, 12" X 31"
STORM SWRS RCCP TYPE 1, 12" X 31"
BEGIN PAVEMENT STA. 2+20
0+00 1+00 2+00 3+00 4+00 5+00 6+00 +25
12" RCP 18" VCP 36" RCP 36" EQRS RCP 6" CI W 10" CMP 15" CMP 4" CSW 4.5' CSW 2' CSW

BENCH MARKS

TBM1 – EL. 456.46
Top Bolt Betw. "E" & "L" in Mueller on F.H. N.E. Cor. McFall & DuQuoin St. See Pg. 20 Bk. 577

TBM2 – EL. 456.14
Top Bolt Betw. "E" & "L" in "Mueller" on F.H. @ N.E. Cor. Fourth & DuQuoin St. See Pg. 20 Bk. 577

EXISTING CENTERLINE PROFILE
PROPOSED CENTERLINE PROFILE
g1 = −0.40%
200' VC CURVE #1
VERTICAL CURVE #1
L = 200'
PC STA. 4+00 EL. 453.95
PVI STA. 5+00 EL. 453.55
PT STA. 6+00 EL. 452.58
g1 = −0.40%
g2 = −0.97%
EXISTING 36" RCP STORM SEWER
EXISTING 36" EQRS RCP STORM SEWER
EXISTING 18" VCP SAN SEWER
6" AC WM

456 454 452 450 448 446 444 442 440

STRUCTURE	STATION	RIM EL.	FL EL.	INV. EL.
1	2+40.3 RT	454.79	454.08	450.06(E), 449.22
2	2+76.2 LT	454.65	453.94	450.82
3	2+98 RT	454.69	453.85	441.91(E), 450.35(SW), 449.30
4	4+15 LT	454.09	453.38	451.38
5	4+15 RT	454.09	453.38	451.24(W), 448.46(EST)
6	5+47 LT	453.26	452.55	450.55
7	5+47 RT	453.26	452.55	450.41(W), 447.70(EST)

DRAINAGE STRUCTURES

POINT TO POINT	LENGTH FT	% GRADE	TYPE	TRENCH BACKFILL CY
4 to 5	31	0.45	12"RCP	4.09
6 to 7	31	0.45	12"RCP	4.09

STORM SEWERS

455.10 454.91 454.85 454.75 454.67 454.67 (Begin Pavement) 454.41 (Exist. Centerline) 454.55 (Proposed Centerline) 454.62 454.35 455.38 454.15 455.05 PC 453.95 453.84 454.51 453.71 453.57 454.10 453.41 (PVI 453.55) 453.23 453.67 453.03 452.81 453.27 PT 452.58

+50 1+00 +50 2+00 +20 +50 3+00 +50 4+00 +25 +50 +75 5+00 +25 +50 +75 6+00

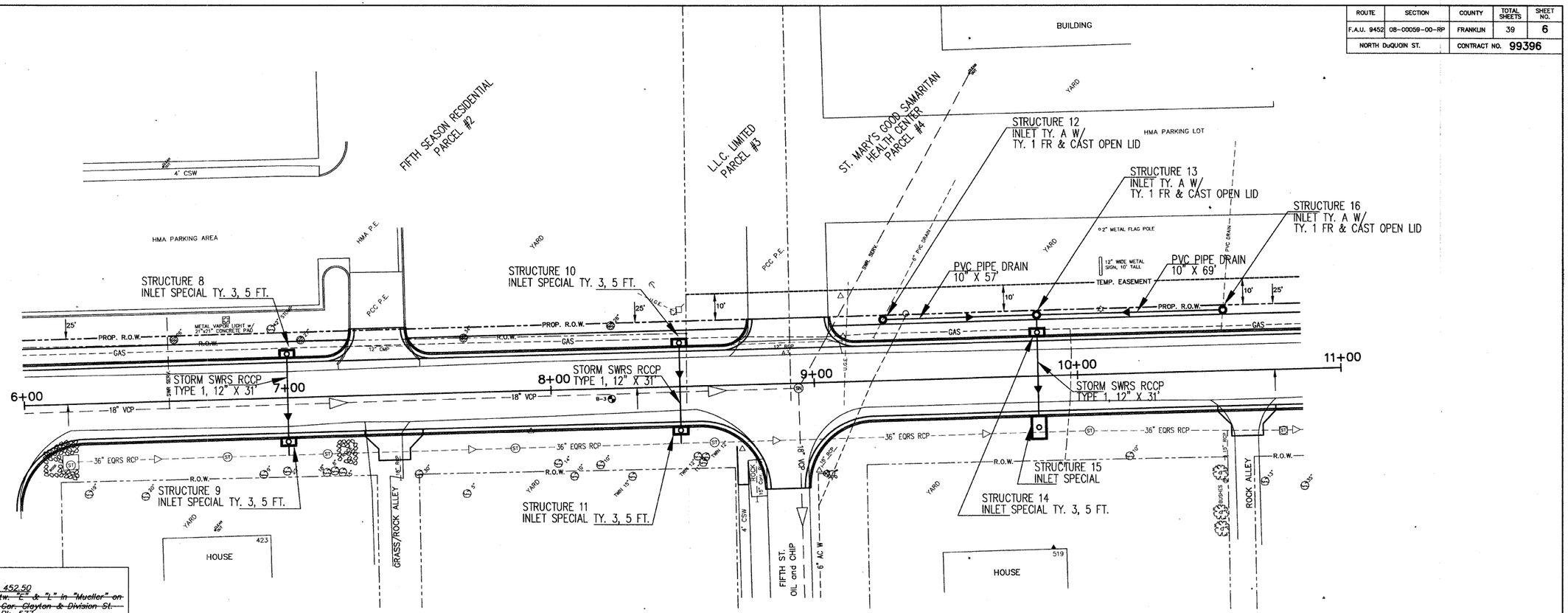
BENTON - NORTH DuQUOIN STREET

BOOK 580 BENTON\DRAWINGS\plan&profile sheet.DWG Job #006.172

PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	6
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

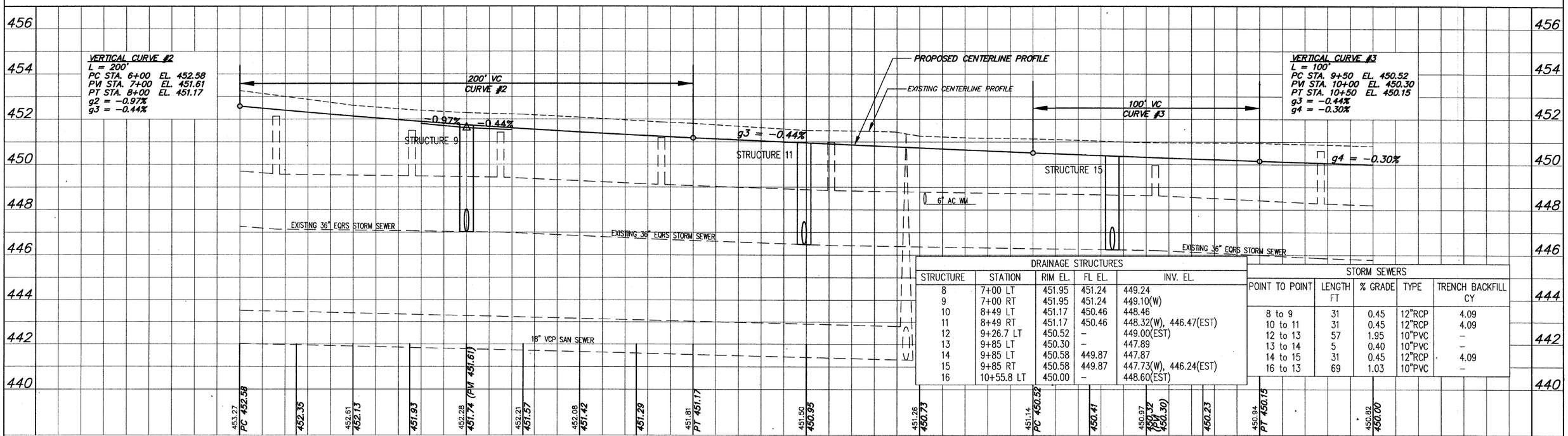
HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BENCH MARKS

TBM3 – EL. 453.43
Top Bolt Betw. "E" & "L" in "Mueller" on F.H. @ N.E. Cor. Fifth & DuQuoin St.
See Pg. 20 Bk. 577

~~TBM4 – EL. 452.50~~
~~Top Bolt Betw. "E" & "L" in "Mueller" on F.H. @ S.W. Cor. Clayton & Division St.~~
See Pg. 20 Bk. 577



DRAINAGE STRUCTURES

STRUCTURE	STATION	RIM EL.	FL EL.	INV. EL.
8	7+00 LT	451.95	451.24	449.24
9	7+00 RT	451.95	451.24	449.10(W)
10	8+49 LT	451.17	450.46	448.46
11	8+49 RT	451.17	450.46	448.32(W), 446.47(EST)
12	9+26.7 LT	450.52	–	449.00(EST)
13	9+85 LT	450.30	–	447.89
14	9+85 LT	450.58	449.87	447.87
15	9+85 RT	450.58	449.87	447.73(W), 446.24(EST)
16	10+55.8 LT	450.00	–	448.60(EST)

STORM SEWERS

POINT TO POINT	LENGTH FT	% GRADE	TYPE	TRENCH BACKFILL CY
8 to 9	31	0.45	12"RCP	4.09
10 to 11	31	0.45	12"RCP	4.09
12 to 13	57	1.95	10"PVC	–
13 to 14	5	0.40	10"PVC	–
14 to 15	31	0.45	12"RCP	4.09
16 to 13	69	1.03	10"PVC	–

BENTON - NORTH DuQUOIN STREET

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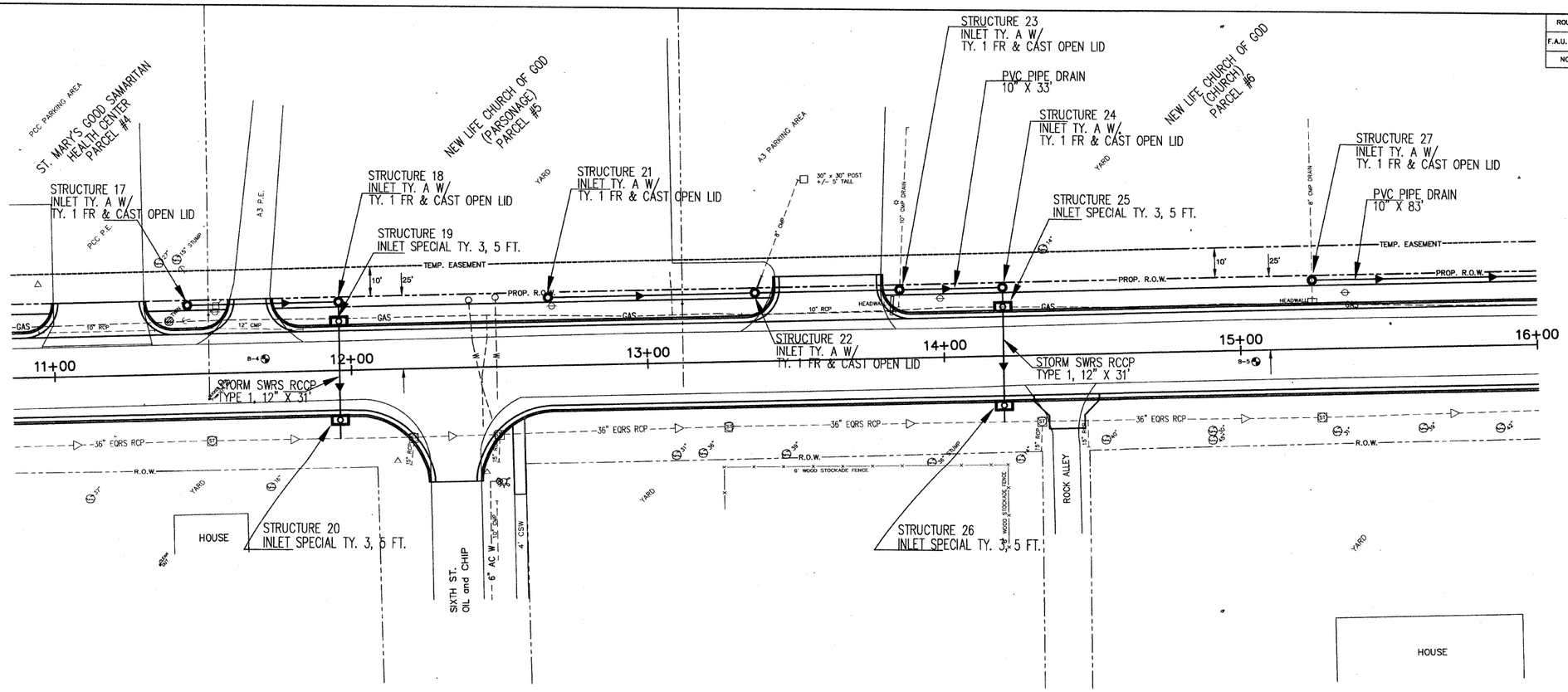
PLAN & PROFILE

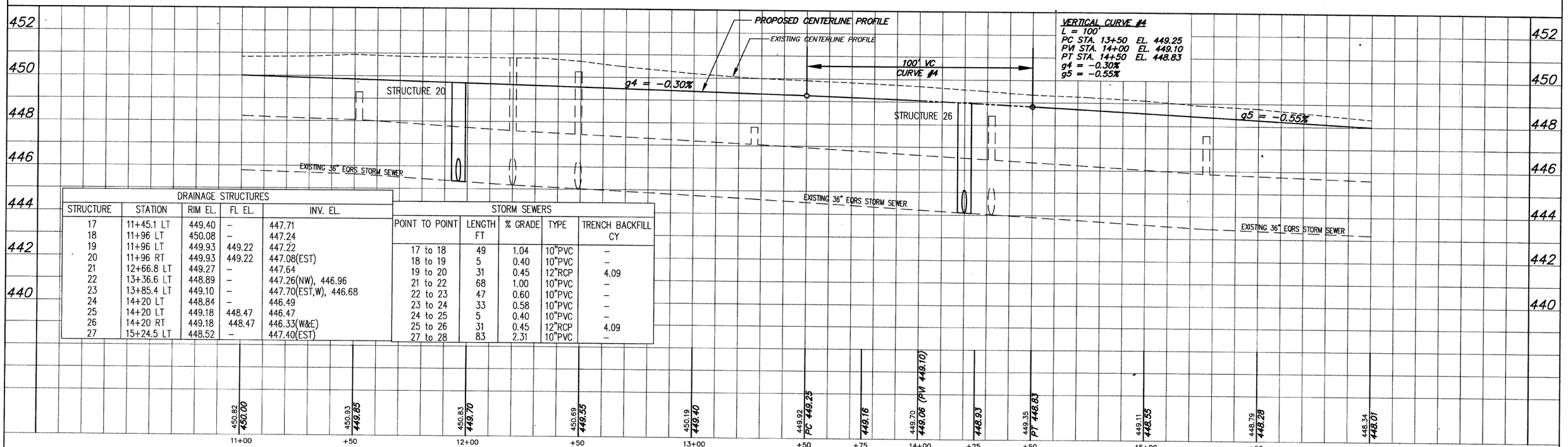
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	7
NORTH DuQUOIN ST.		CONTRACT NO.	99396	

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BENCH MARKS

TBM5 – EL. 450.98
Spike nail in PP/ 3Trans on S. Side Division St., 150' ± W. of C.L. DuQuoin St.
See Pg. 51 Bk. 581



DRAINAGE STRUCTURES

STRUCTURE	STATION	RIM EL.	FL EL.	INV. EL.
17	11+45.1 LT	449.40	–	447.71
18	11+96 LT	450.08	–	447.24
19	11+96 LT	449.93	449.22	447.22
20	11+96 RT	449.93	449.22	447.08(EST)
21	12+66.8 LT	449.27	–	447.64
22	13+36.6 LT	448.89	–	447.26(NW), 446.96
23	13+85.4 LT	449.10	–	447.70(EST,W), 446.68
24	14+20 LT	448.84	–	446.49
25	14+20 LT	449.18	448.47	446.47
26	14+20 RT	449.18	448.47	446.33(W&E)
27	15+24.5 LT	448.52	–	447.40(EST)

STORM SEWERS

POINT TO POINT	LENGTH FT	% GRADE	TYPE	TRENCH BACKFILL CY
17 to 18	49	1.04	10"PVC	–
18 to 19	5	0.40	10"PVC	–
19 to 20	31	0.45	12"RCP	4.09
21 to 22	68	1.00	10"PVC	–
22 to 23	47	0.60	10"PVC	–
23 to 24	33	0.58	10"PVC	–
24 to 25	5	0.40	10"PVC	–
25 to 26	31	0.45	12"RCP	4.09
27 to 28	83	2.31	10"PVC	–

BENTON - NORTH DuQUOIN STREET

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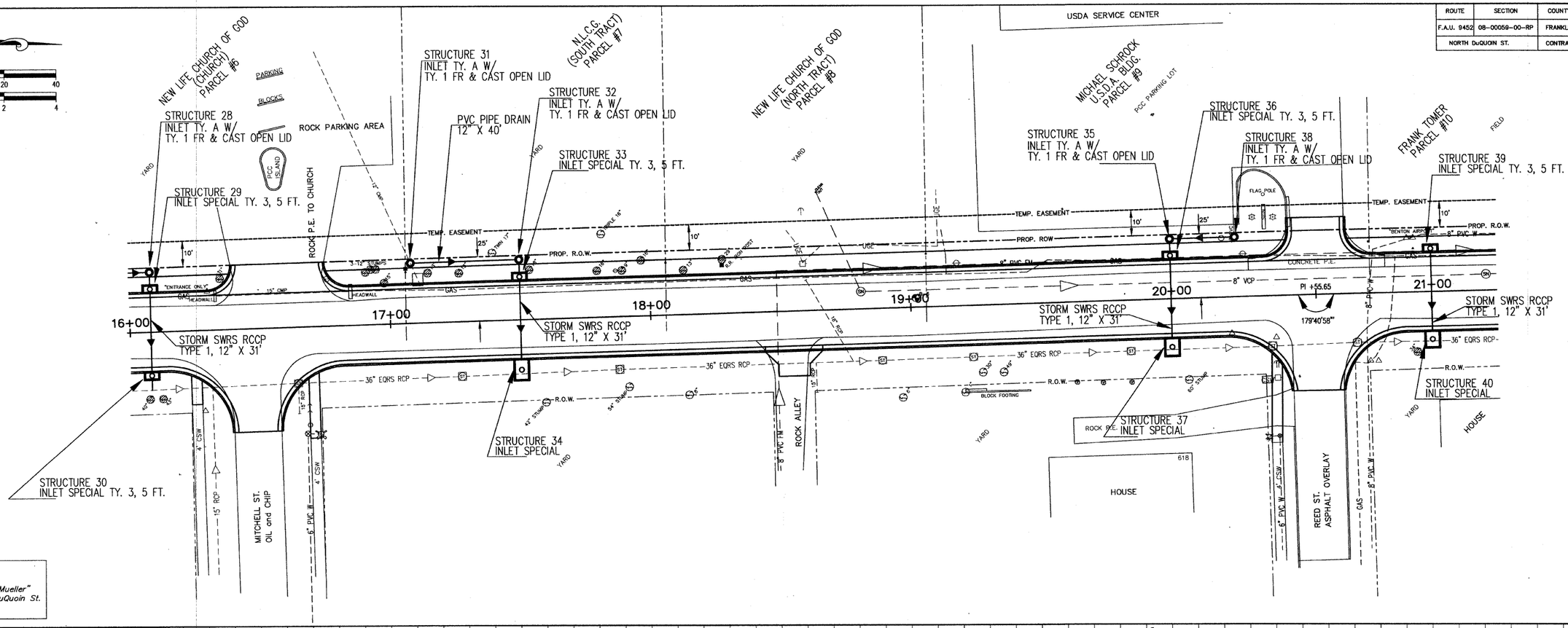
PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	8
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

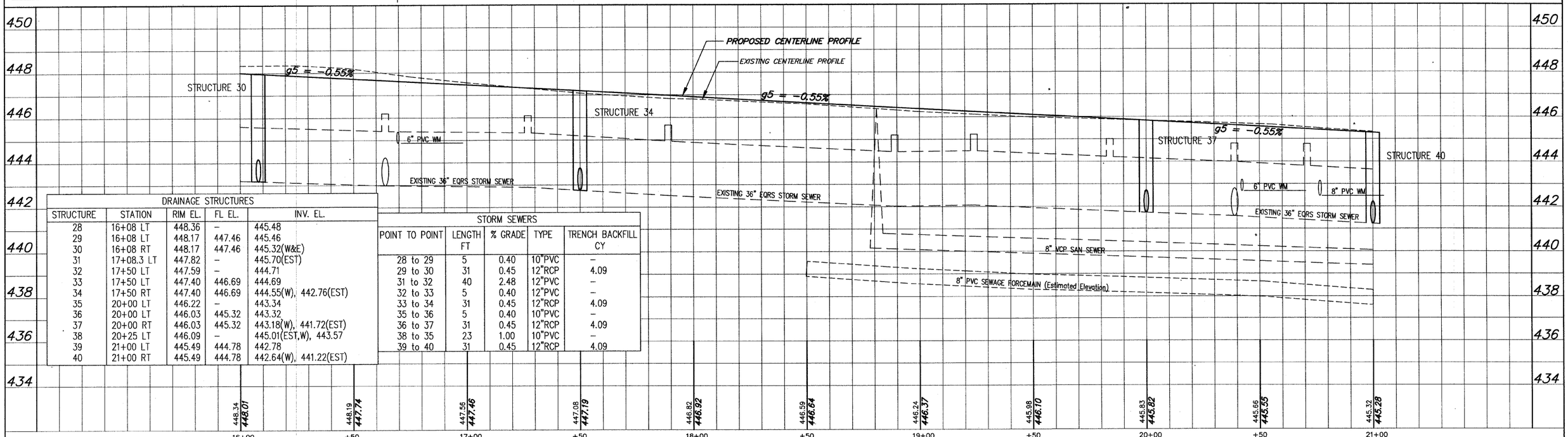
HORIZ. SCALE 1"=20'
0 10 20 40

VERTICAL SCALE 1"=2'
0 1 2 4



BENCH MARKS

TBM6 – EL. 448.09
Top Bolt Betw. "E" & "L" in "Mueller" on F.H. @ S.E. Cor. Reed & DuQuoin St. See Pg. 21 Bk. 577



DRAINAGE STRUCTURES

STRUCTURE	STATION	RIM EL.	FL EL.	INV. EL.
28	16+08 LT	448.36	–	445.48
29	16+08 LT	448.17	447.46	445.46
30	16+08 RT	448.17	447.46	445.32(W&E)
31	17+08.3 LT	447.82	–	445.70(EST)
32	17+50 LT	447.59	–	444.71
33	17+50 LT	447.40	446.69	444.69
34	17+50 RT	447.40	446.69	444.55(W), 442.76(EST)
35	20+00 LT	446.22	–	443.34
36	20+00 LT	446.03	445.32	443.32
37	20+00 RT	446.03	445.32	443.18(W), 441.72(EST)
38	20+25 LT	446.09	–	445.01(EST,W), 443.57
39	21+00 LT	445.49	444.78	442.78
40	21+00 RT	445.49	444.78	442.64(W), 441.22(EST)

STORM SEWERS

POINT TO POINT	LENGTH FT	% GRADE	TYPE	TRENCH BACKFILL CY
28 to 29	5	0.40	10"PVC	–
29 to 30	31	0.45	12"RCP	4.09
31 to 32	40	2.48	12"PVC	–
32 to 33	5	0.40	12"PVC	–
33 to 34	31	0.45	12"RCP	4.09
35 to 36	5	0.40	10"PVC	–
36 to 37	31	0.45	12"RCP	4.09
38 to 35	23	1.00	10"PVC	–
39 to 40	31	0.45	12"RCP	4.09

BENTON - NORTH DuQUOIN STREET

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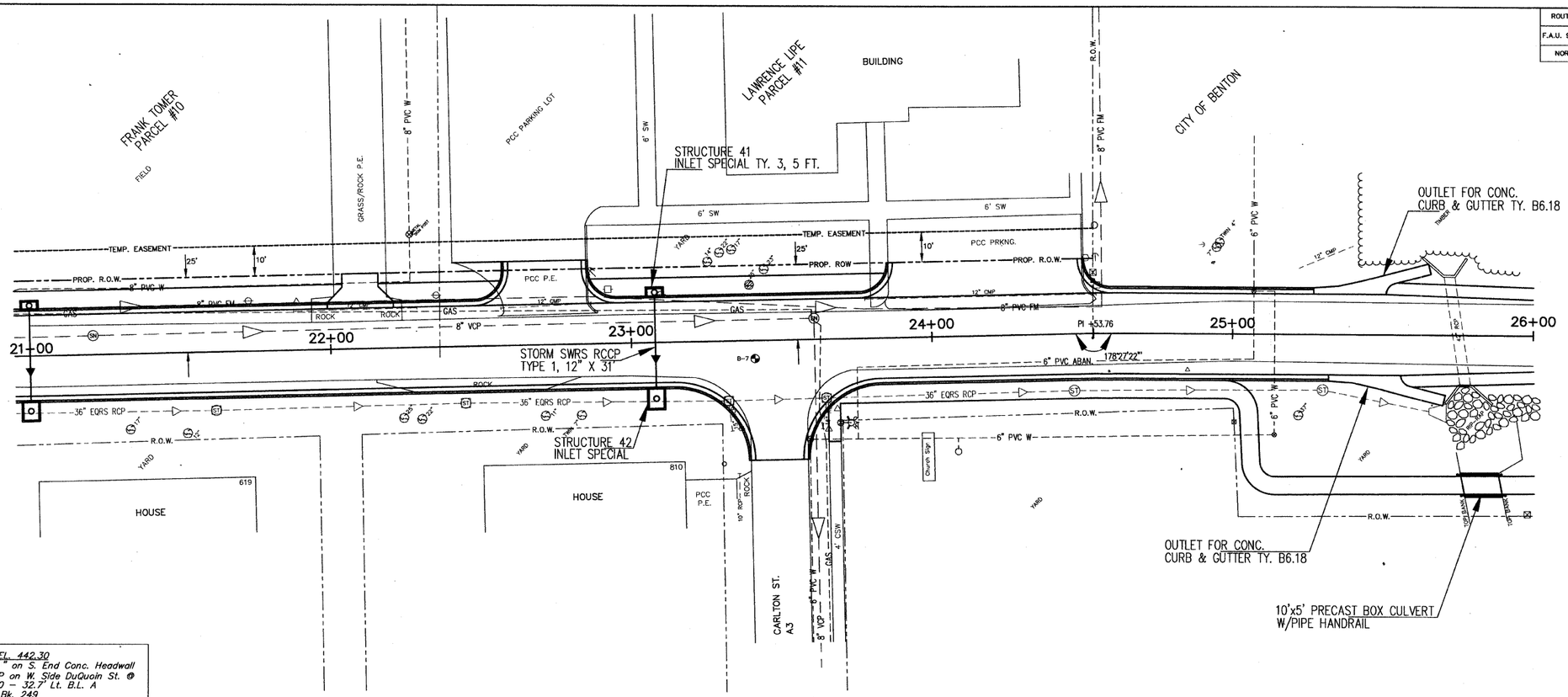
PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	9
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20'
0 10 20 40

VERTICAL SCALE 1"=2'
0 1 2 4



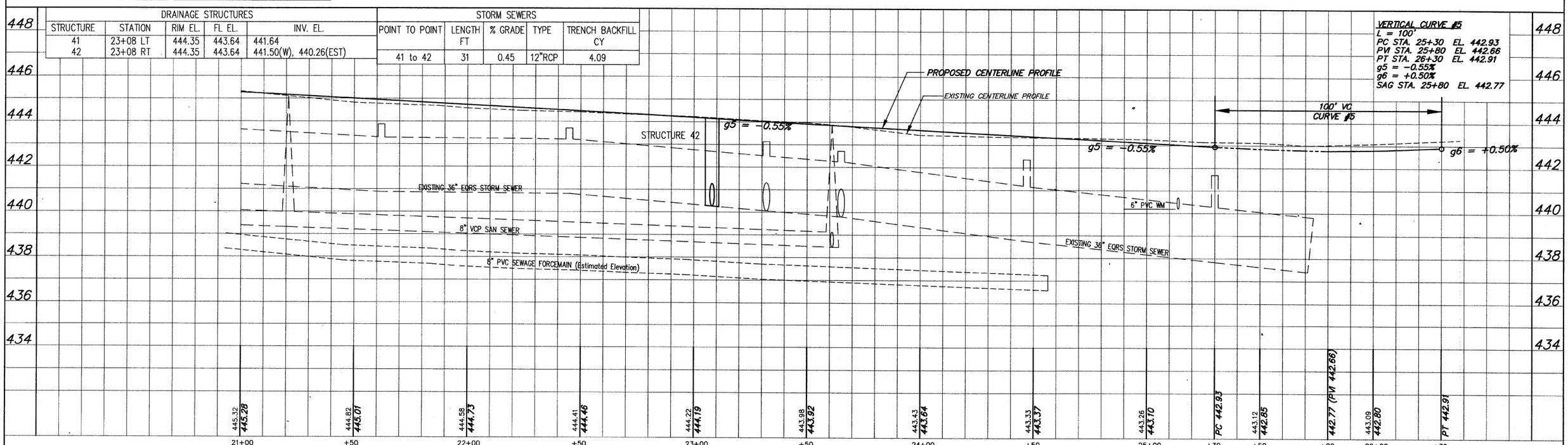
BENCH MARKS

TBM7 EL. 446.64
~~Spike nail in RP / 3Trans on S. Side Division St., 150'± W. of C.L. DuQuoin St.~~
See Pg. 21 Bk. 577

TBM7A — EL. 442.30
Chisled "□" on S. End Conc. Headwall to 42" RCP on W. Side DuQuoin St. @ Sta. 25+70 — 32.7' Lt. B.L. A
See Pg. 1 Bk. 249

DRAINAGE STRUCTURES				
STRUCTURE	STATION	RIM EL.	FL EL.	INV. EL.
41	23+08 LT	444.35	443.64	441.64
42	23+08 RT	444.35	443.64	441.50(W), 440.26(EST)

STORM SEWERS				
POINT TO POINT	LENGTH FT	% GRADE	TYPE	TRENCH BACKFILL CY
41 to 42	31	0.45	12"RCP	4.09



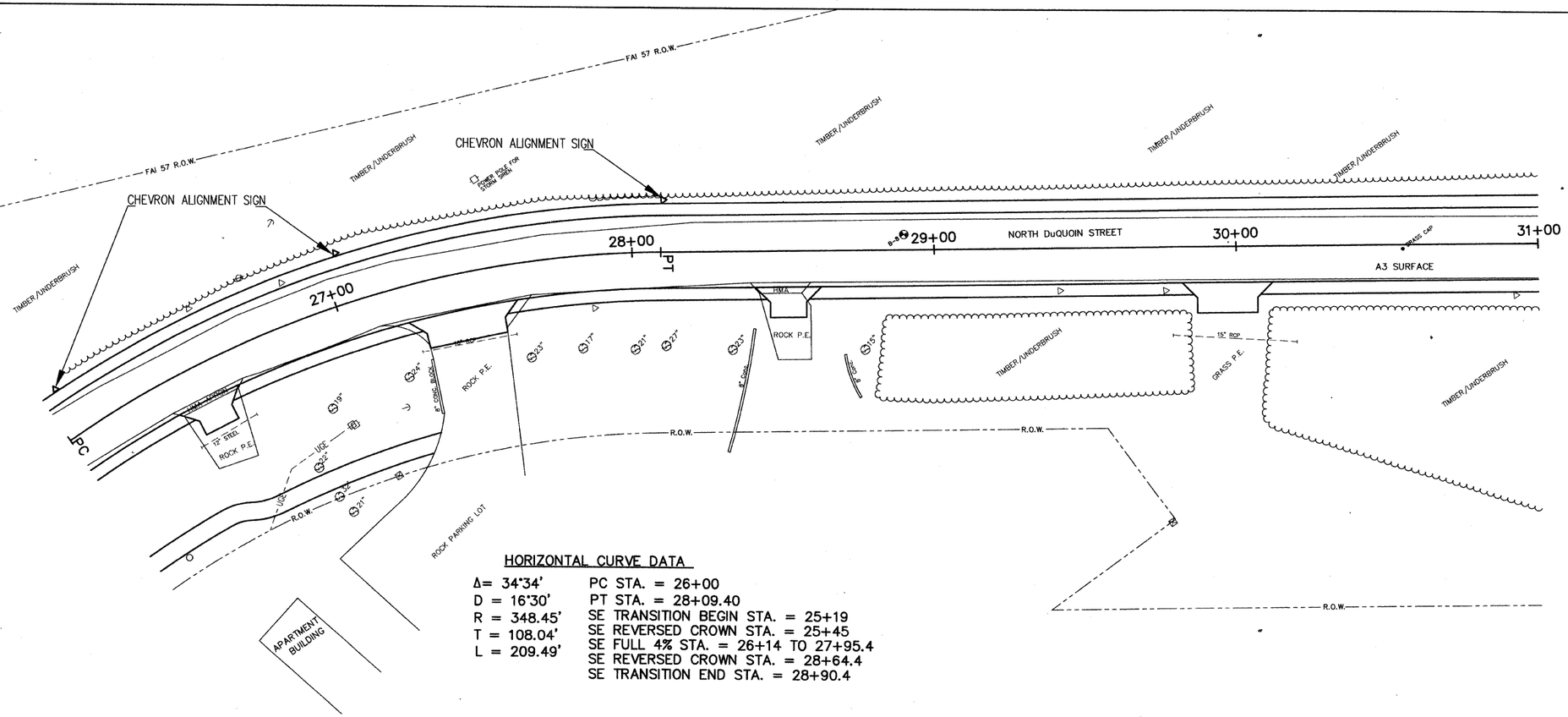
VERTICAL CURVE #5
L = 100'
PC STA. 25+30 EL. 442.93
PVI STA. 25+80 EL. 442.66
PT STA. 26+30 EL. 442.91
g5 = -0.55%
g6 = +0.50%
SAG STA. 25+80 EL. 442.77

BENTON - NORTH DuQUOIN STREET

PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	10
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)

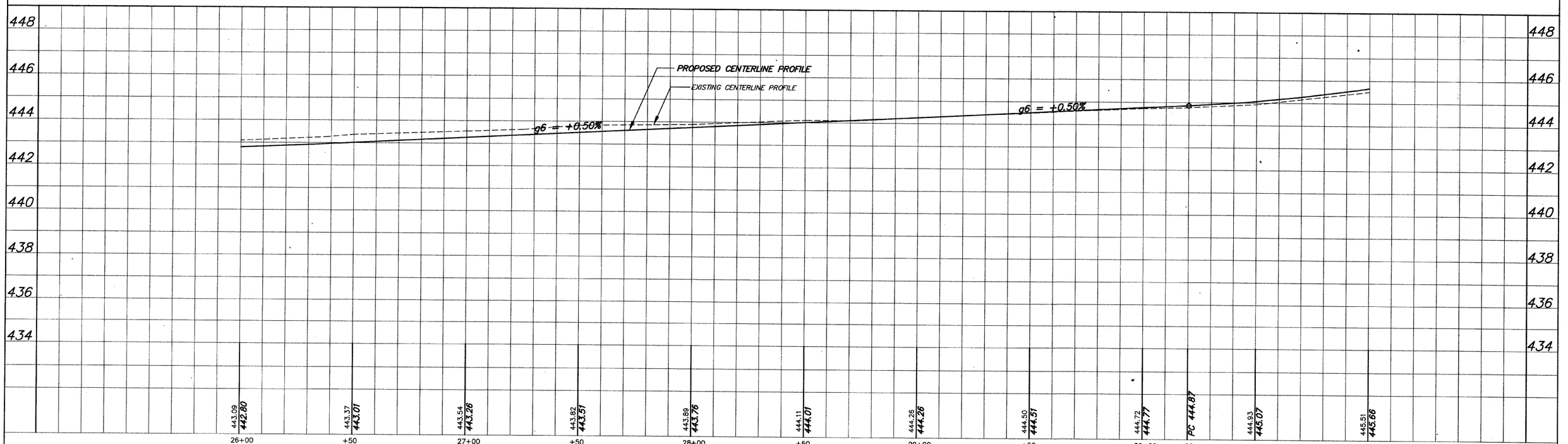


HORIZONTAL CURVE DATA

Δ= 34°34'	PC STA. = 26+00
D = 16°30'	PT STA. = 28+09.40
R = 348.45'	SE TRANSITION BEGIN STA. = 25+19
T = 108.04'	SE REVERSED CROWN STA. = 25+45
L = 209.49'	SE FULL 4% STA. = 26+14 TO 27+95.4
	SE REVERSED CROWN STA. = 28+64.4
	SE TRANSITION END STA. = 28+90.4

BENCH MARKS

TBM8 – EL. 442.65
Mag Nail in W. Side PP/Trans on E. Side DuQuoin St. & 50' N. of Apartments
See Pg. 21 Bk. 577



BENTON - NORTH DuQUOIN STREET

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PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	11
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

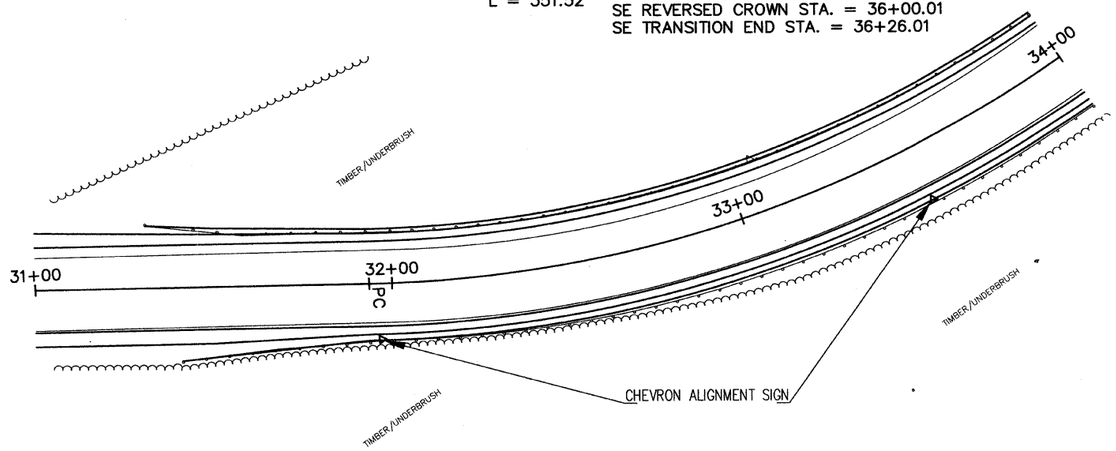
HORIZ. SCALE 1"=20' 0 10 20 40

VERTICAL SCALE 1"=2' 0 1 2 4

HORIZONTAL CURVE DATA

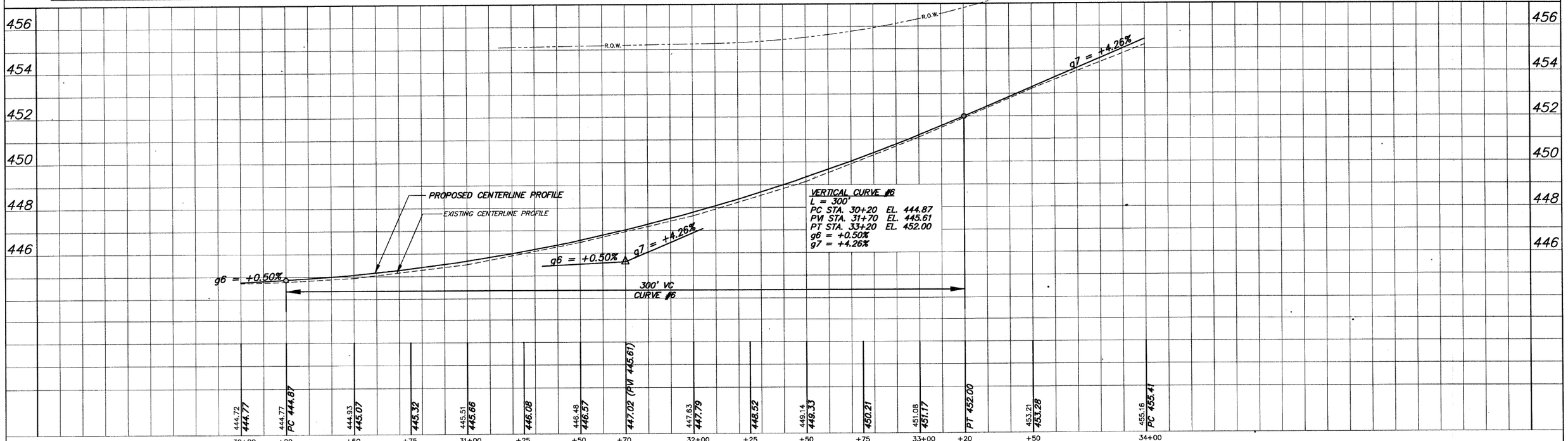
Δ= 58°00'
D = 16°30'
R = 348.45'
T = 193.15'
L = 351.52'

PC STA. = 31+93.49
PT STA. = 35+45.01
SE TRANSITION BEGIN STA. = 31+12.49
SE REVERSED CROWN STA. = 31+38.49
SE FULL 4% STA. = 32+07.49 TO 35+31.01
SE REVERSED CROWN STA. = 36+00.01
SE TRANSITION END STA. = 36+26.01



BENCH MARKS

TBM9 - El. 447.97
Top Mag Nail set vertically in top 6" x 8" wood post @ S. end guardrail on W. side DuQuoin St.
See Pg. 22 Bk. 577



BENTON - NORTH DuQUOIN STREET

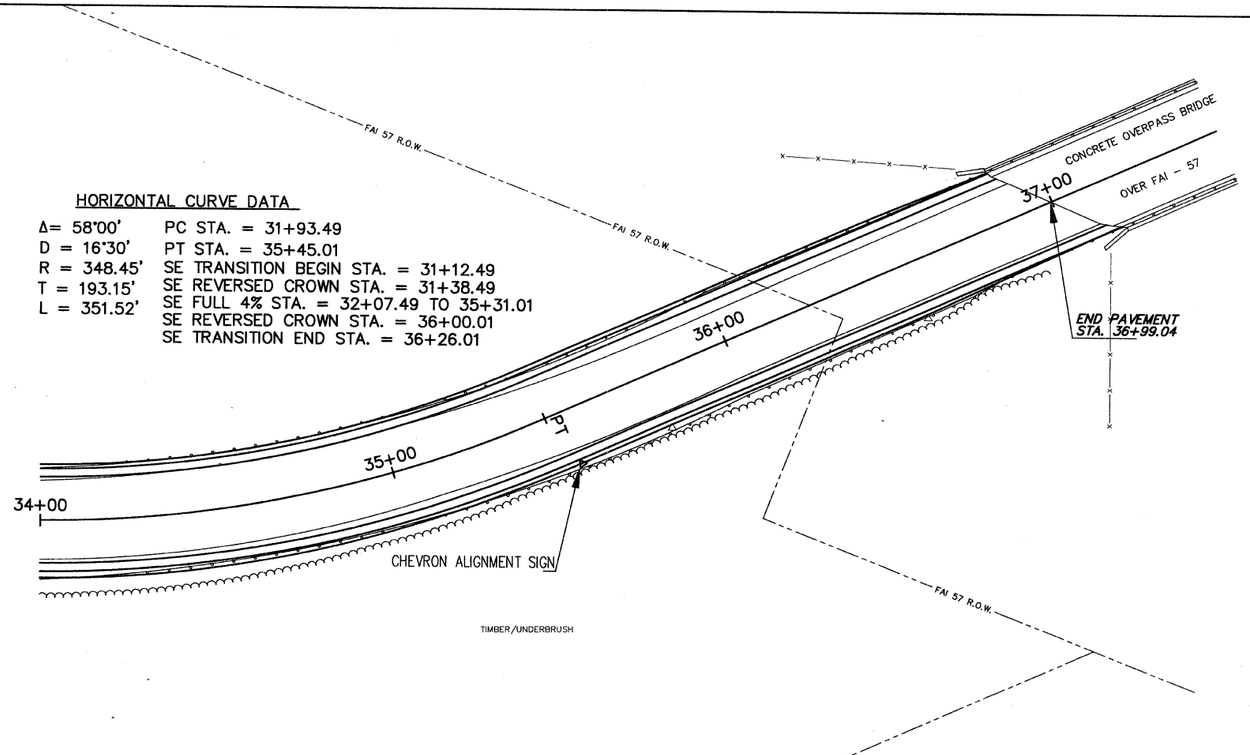
BOOK 580 BENTON\DRAWINGS\plan&profile sheet.DWG Job #006.172

PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	12
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0, 10, 20, 40)

VERTICAL SCALE 1"=2' (0, 1, 2, 4)

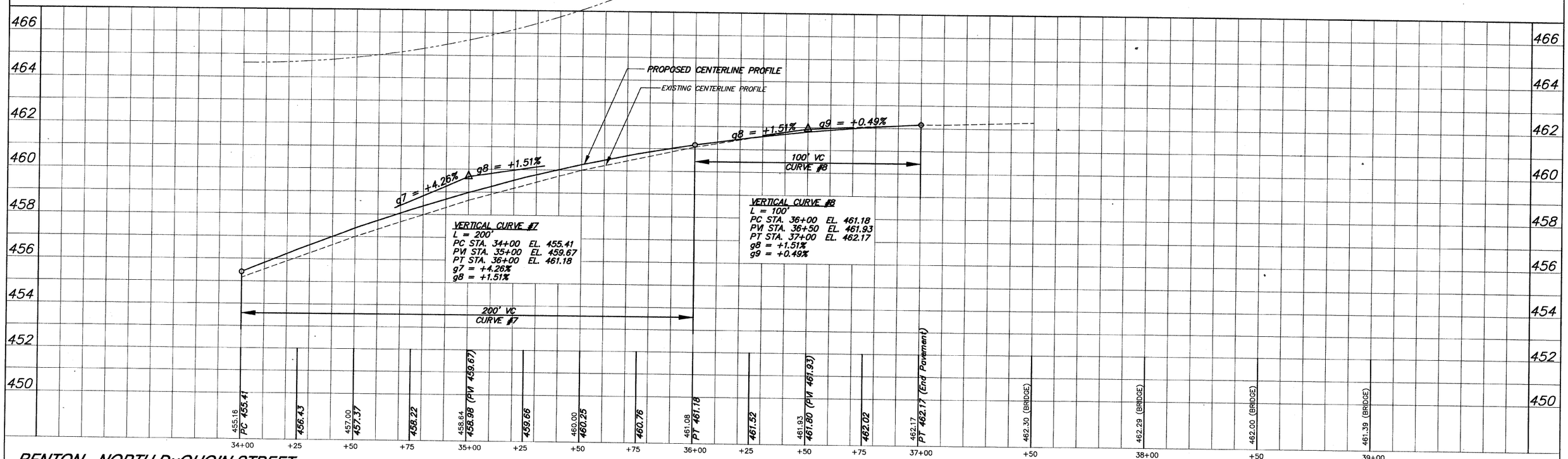


HORIZONTAL CURVE DATA

Δ= 58°00' PC STA. = 31+93.49
D = 16°30' PT STA. = 35+45.01
R = 348.45' SE TRANSITION BEGIN STA. = 31+12.49
T = 193.15' SE REVERSED CROWN STA. = 31+38.49
L = 351.52' SE FULL 4% STA. = 32+07.49 TO 35+31.01
SE REVERSED CROWN STA. = 36+00.01
SE TRANSITION END STA. = 36+26.01

BENCH MARKS

TBM10 - El. 462.85
Chisled "□" on top conc. curb walk @ Beg. of overpass bridge to I-57 left side DuQuoin St.
See Pg. 22 Bk. 577



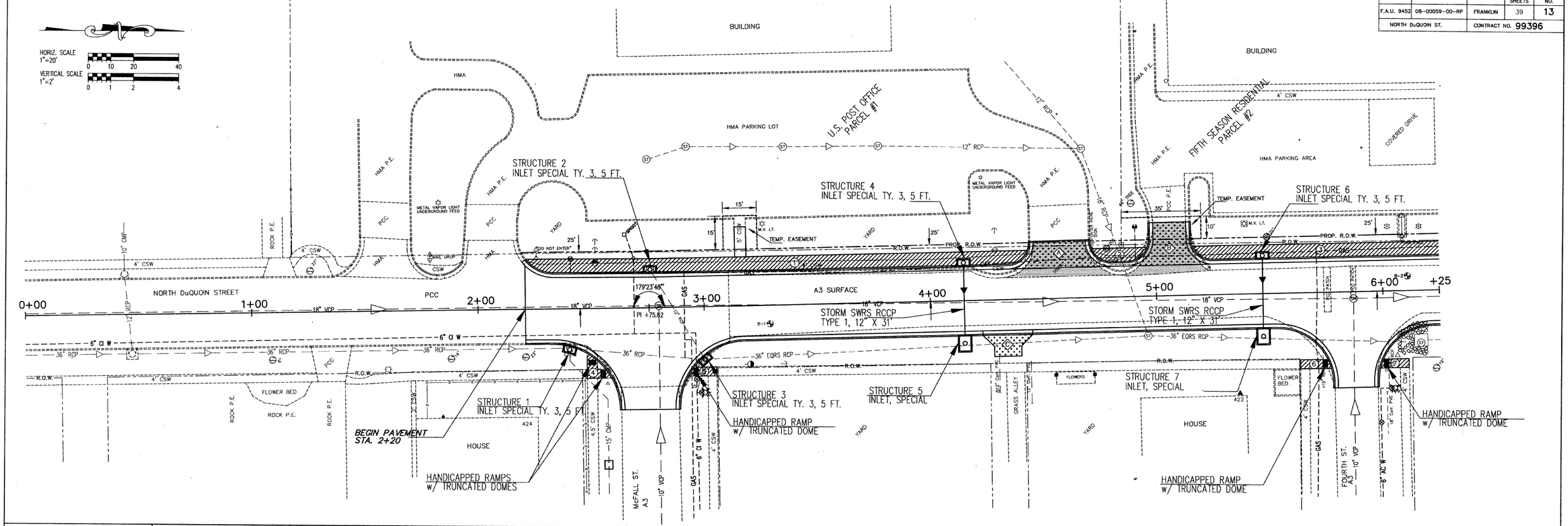
BENTON - NORTH DuQUOIN STREET

BOOK 580 BENTON\DRAWINGS\plan&profile sheet.DWG Job #006.172

PLAN & PROFILE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	13
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
2+30.7 – 6+25	1,394.28
SHEET TOTAL	1,394.28

COMBINATION CURB & GUTTER REMOVAL	
STATION TO STATION	FT.
2+30.7 – 5+24	368.75
SHEET TOTAL	368.75

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
2+30.7 – 6+25	1,293.28
SHEET TOTAL	1,293.28

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
2+30.7 – 6+25	1,588.56
SHEET TOTAL	1,588.56

COMB. CONCRETE CURB & GUTTER TYPE B6.18	
STATION TO STATION	FT.
2+30.7 – 6+25	807.00
SHEET TOTAL	807.00

TREE REMOVAL OVER 15 INCH	
STATION	IN. DIA.
3+30.7, 29.7' LT.	27
4+78.5, 21.6' LT.	20
5+49.2, 25' LT.	21
SHEET TOTAL	68

LOCATION	CONCRETE SIDEWALK TO BE REMOVED SQ. FT.	P.C. CONCRETE SIDEWALK 4" SQ. FT.
①	1,018.16	1,260.49
②	74.36	118.46
③	–	620.21
④	77.44	63.09
⑤	40.47	45.89
⑥	44.31	51.75
⑦	39.00	47.03
TOTAL	1,293.74	2,159.89

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED SQ. YDS.	P.C. CONCRETE DRIVEWAY PAVEMENT, 6" SQ. YDS.
Ⓐ	50.14	37.20
Ⓑ	52.33	37.24
Ⓒ	–	15.33
SHT. TOTAL	102.47	89.77

INLETS TO BE REMOVED	
LOCATIONS	
2+40.31	18.14', RIGHT
2+76.39	17.46', LEFT
2+99.75	23.32', RIGHT
SHT. TOTAL	3 EACH

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

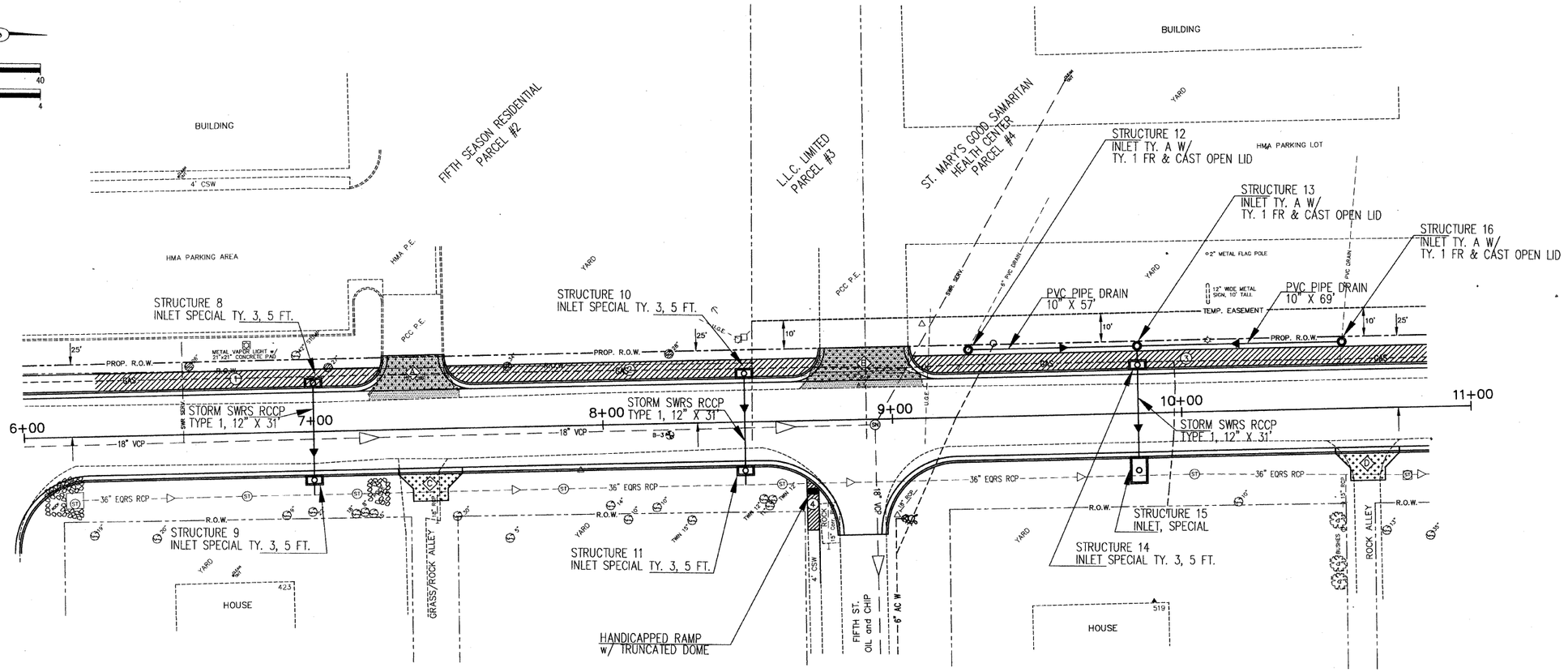
BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	14
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
6+25 – 10+85	1,451.66
SHEET TOTAL	1,451.66

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
6+25 – 10+85	1,669.68
SHEET TOTAL	1,669.68

LOCATION	P.C. CONCRETE SIDEWALK 4"
	SQ. FT.
①	575.15
②	722.15
③	1,034.74
④	65.80
TOTAL	2,397.84

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED	P.C. CONCRETE DRIVEWAY PAVEMENT, 6"
	SQ. YDS.	SQ. YDS.
Ⓐ	41.90	29.88
Ⓑ	53.66	41.39
Ⓒ	–	15.34
Ⓓ	–	15.34
SHT. TOTAL	95.56	101.95

COMBINATION CURB & GUTTER REMOVAL	
STATION TO STATION	FT.
6+25 – 10+85	28.88
SHEET TOTAL	28.88

COMB. CONCRETE CURB & GUTTER TYPE B6.18	
STATION TO STATION	FT.
6+25 – 10+85	905.62
SHEET TOTAL	905.62

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
6+25 – 10+85	1,144.08
SHEET TOTAL	1,144.08

TREE REMOVAL OVER 15 INCH	
STATION	IN. DIA.
6+57.38, 23.3'LT	26
7+05.46, 21.9'LT	27
7+67.41, 20.9'LT	34
8+23.27, 24.1'LT	28
SHEET TOTAL	115

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

BENTON - NORTH DuQUOIN STREET

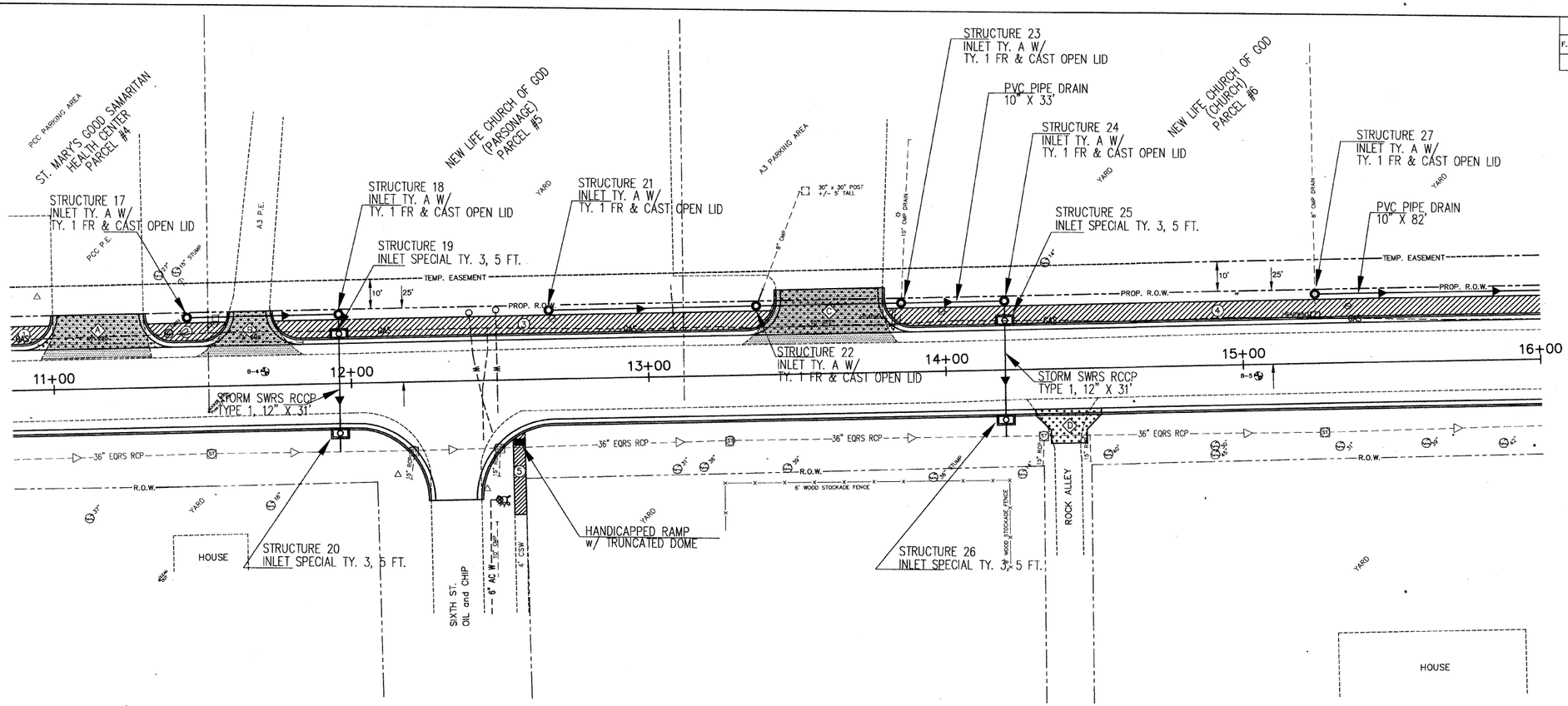
BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	15
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)

VERTICAL SCALE 1"=2' (0 1 2 4)



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
10+85 – 16+00	1,619.62
SHEET TOTAL	1,619.62

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
10+85 – 16+00	1,246.68
SHEET TOTAL	1,246.68

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
10+85 – 16+00	1,871.50
SHEET TOTAL	1,871.50

COMB. CONCRETE CURB & GUTTER TYPE B6.18	
STATION TO STATION	FT.
10+85 – 16+00	1,046.27
SHEET TOTAL	1,046.27

TREE REMOVAL 6 INCH TO 15 INCH	
STATION	IN. DIA.
11+38.92, 18.1'LT	9" TWIN
SHEET TOTAL	18"

LOCATION	P.C. CONCRETE SIDEWALK 4"
	SQ. FT.
①	62.20
②	129.97
③	959.86
④	1285.64
⑤	106.11
TOTAL	2,543.78

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED	P.C. CONCRETE DRIVEWAY PAVEMENT, 6"
	SQ. YDS.	SQ. YDS.
Ⓐ	54.47	41.45
Ⓑ	35.76	20.09
Ⓒ	83.44	61.53
Ⓓ	25.02	20.42
SHT. TOTAL	198.69	143.49

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

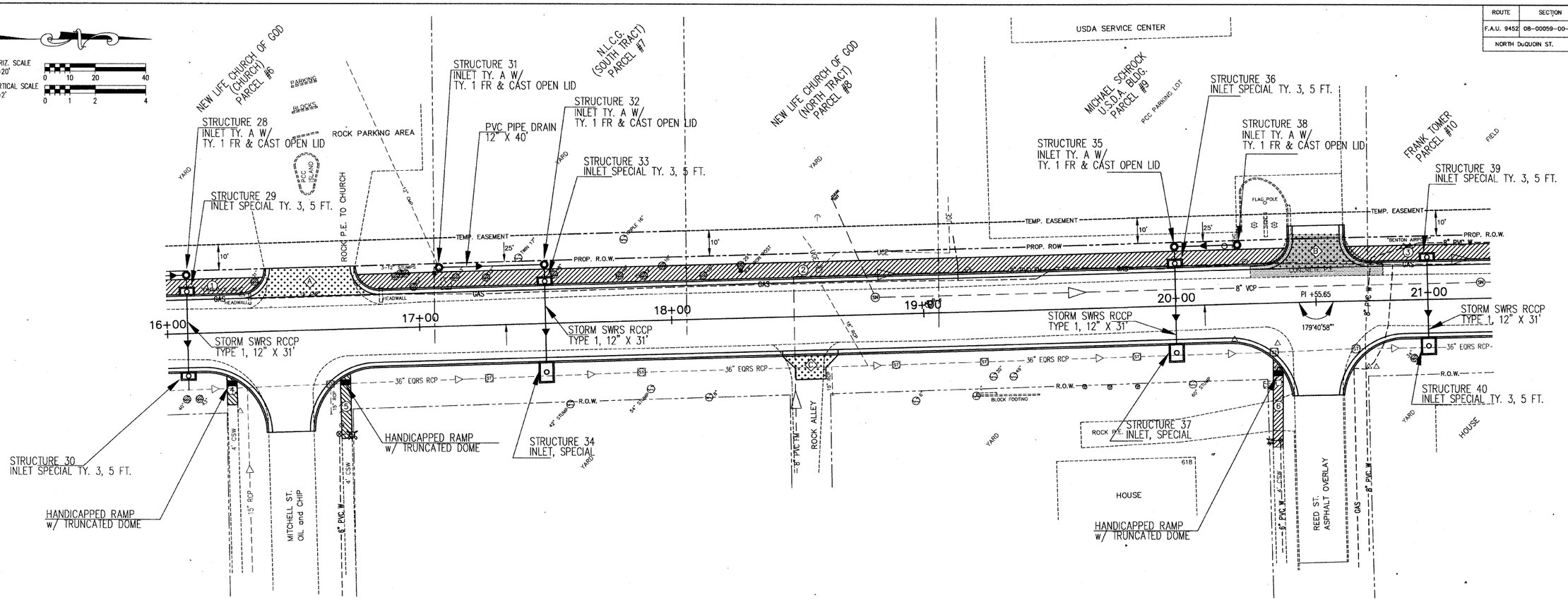
BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	16
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
16+00 – 21+25	1,728.38
SHEET TOTAL	1,728.38

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
16+00 – 21+25	1,354.74
SHEET TOTAL	1,354.74

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
16+00 – 21+25	1,986.83
SHEET TOTAL	1,986.83

COMB. CONCRETE CURB & GUTTER TYPE B6.18	
STATION TO STATION	FT.
16+00 – 21+25	1,073.57
SHEET TOTAL	1,073.57

LOCATION	P.C. CONCRETE SIDEWALK 4" SQ. FT.
①	198.16
②	2,146.93
③	308.79
④	41.45
⑤	97.71
⑥	134.33
TOTAL	2,927.37

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED SQ. YDS.	P.C. CONCRETE DRIVEWAY PAVEMENT, 6" SQ. YDS.
Ⓐ	–	47.20
Ⓑ	65.70	33.44
Ⓒ	–	20.42
SHT. TOTAL	65.70	101.06

TREE REMOVAL OVER 15 INCH	
STATION	IN. DIA.
16+07, 26.0' RT	40
16+12, 26.0' RT	43
20+94, 23.3' RT	34
16+35, 20.0' LT	31
16+98, 16.0' LT	15
17+54, 19.4' LT	18
17+80, 18.2' LT	16
17+97, 21.7' LT	16
18+28, 21.0' LT	29
SHEET TOTAL	242

TREE REMOVAL 6 INCH TO 15 INCH	
STATION	IN. DIA.
17+15, 19.4' LT	13
17+27, 19.0' LT	13
17+89, 18.0' LT	9
18+13, 17.3' LT	13
SHEET TOTAL	48

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

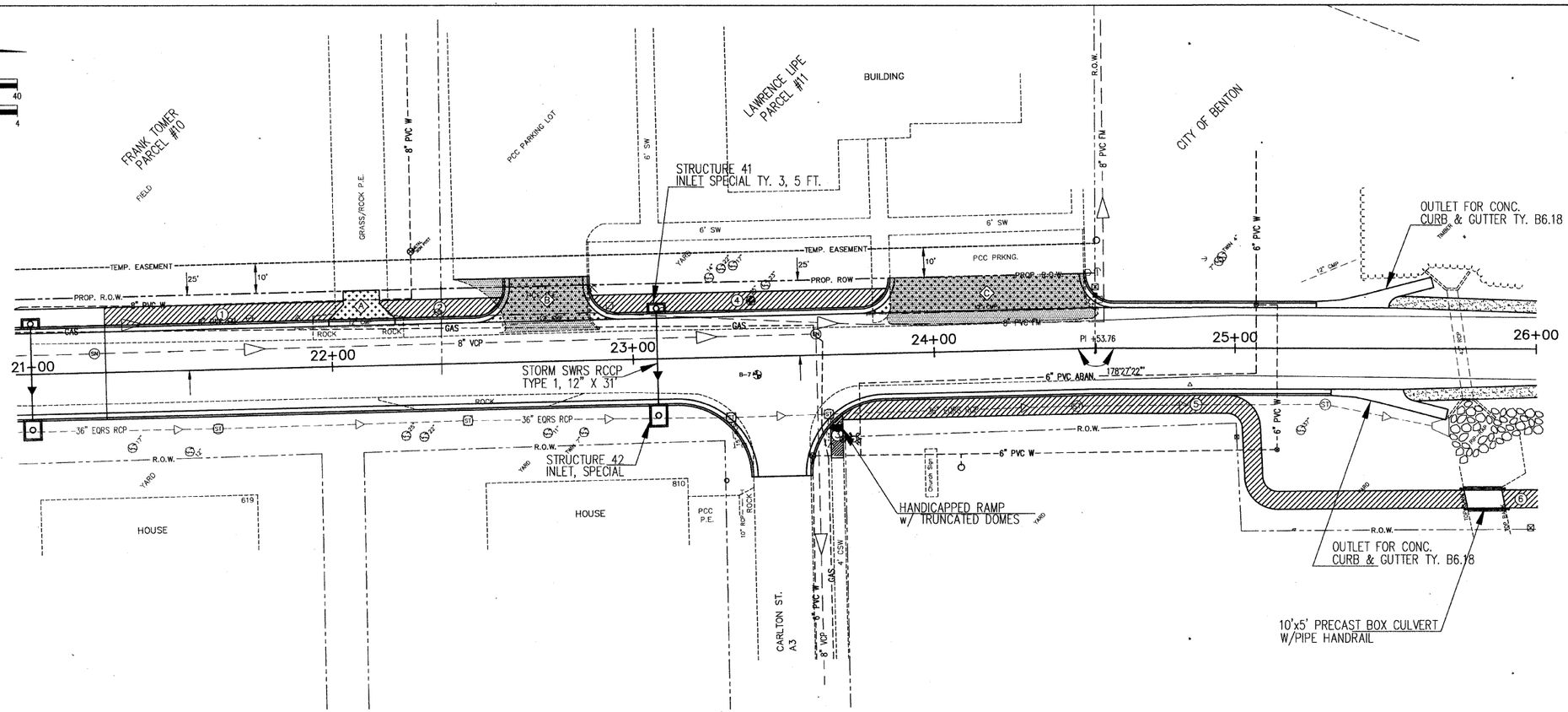
BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	17
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
21+25 – 26+00	1,497.77
SHEET TOTAL	1,497.77

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
21+25 – 26+00	1,137.45
SHEET TOTAL	1,137.45

AGGREGATE SHOULDERS TYPE A, 6"	
STATION TO STATION	TONS
LT 25+51 – 26+00	7.47
RT 25+56 – 26+00	6.73
SHEET TOTAL	14.20

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
21+25 – 26+00	1,695.95
SHEET TOTAL	1,695.95

COMB. CONCRETE CURB & GUTTER TYPE B6.18	
STATION TO STATION	FT.
21+25 – 26+00	823.20
SHEET TOTAL	823.20

LOCATION	P.C. CONCRETE SIDEWALK 4"
	SQ. FT.
①	462.89
②	216.20
③	50.74
④	541.88
⑤	1,370.51
⑥	67.37
TOTAL	2,709.59

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED	P.C. CONCRETE DRIVEWAY PAVEMENT, 6"
	SQ. YDS.	SQ. YDS.
Ⓐ	–	15.34
Ⓑ	63.98	45.51
Ⓒ	115.06	87.29
SHT. TOTAL	179.04	148.14

TREE REMOVAL OVER 15 INCH	
STATION	IN. DIA.
23+39.54, 18.6' LT	25
SHEET TOTAL	25

PIPE CULVERT REMOVAL	
STATION TO STATION	FT.
(LT.) 21+88 – 22+29	41.0
(LT.) 22+57 – 22+87	30.0
(LT.) 23+78 – 24+55	77.0
SHEET TOTAL	148.0

PROPOSED AGGREGATE SHOULDER

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

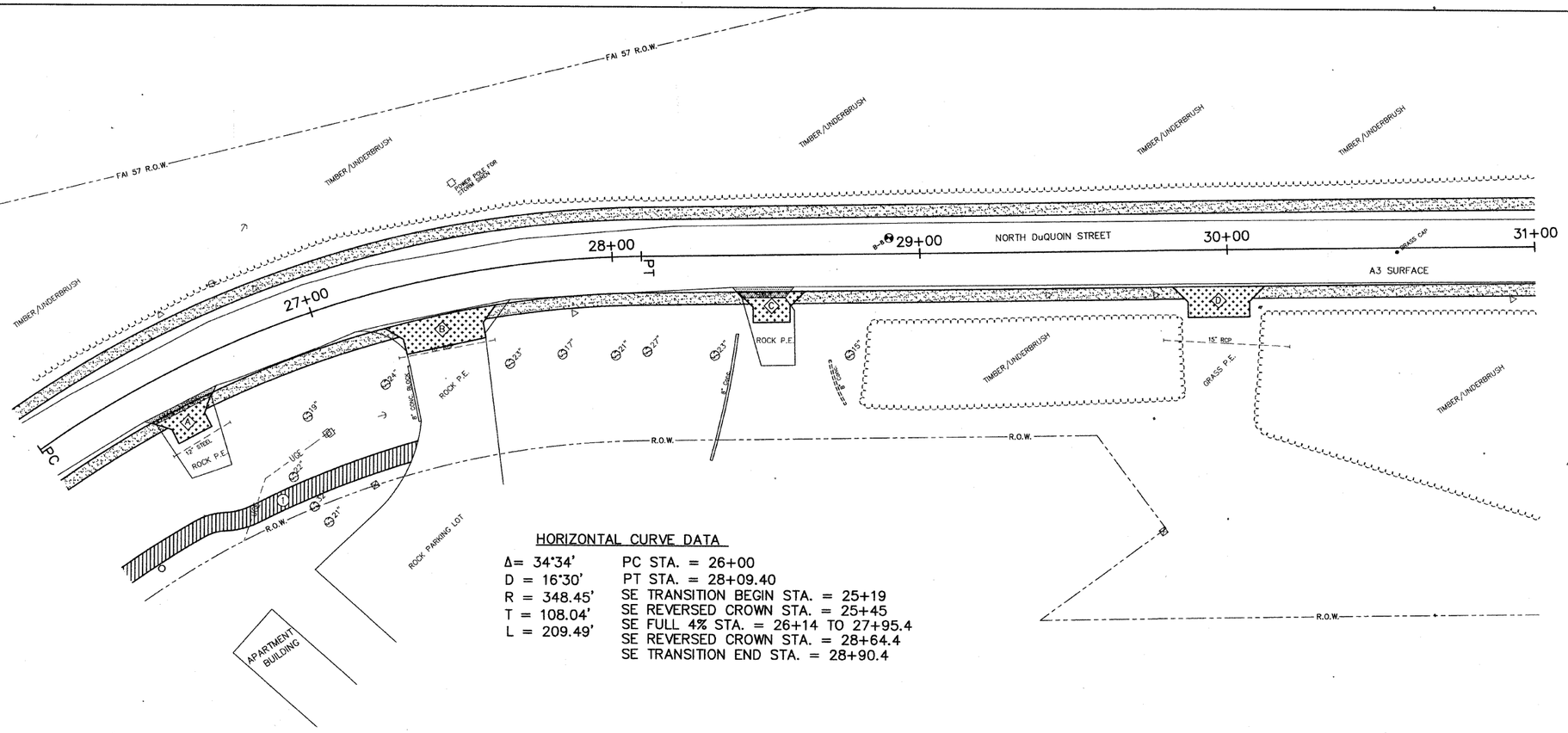
BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	18
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

HORIZ. SCALE 1"=20' (0 10 20 40)
VERTICAL SCALE 1"=2' (0 1 2 4)



HORIZONTAL CURVE DATA

Δ= 34°34'
D = 16°30'
R = 348.45'
T = 108.04'
L = 209.49'

PC STA. = 26+00
PT STA. = 28+09.40
SE TRANSITION BEGIN STA. = 25+19
SE REVERSED CROWN STA. = 25+45
SE FULL 4% STA. = 26+14 TO 27+95.4
SE REVERSED CROWN STA. = 28+64.4
SE TRANSITION END STA. = 28+90.4

BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
26+00 – 31+00	1,330.91
SHEET TOTAL	1,330.91

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
26+00 – 31+00	1,123.86
SHEET TOTAL	1,123.86

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
26+00 – 31+00	1,330.91
SHEET TOTAL	1,330.91

AGGREGATE SHOULDERS TYPE A, 6"	
STATION TO STATION	TONS
LT 26+00 – 31+00	78.92
RT 26+00 – 31+00	61.60
SHEET TOTAL	140.52

LOCATION	DRIVEWAY PAVEMENT TO BE REMOVED SQ. YDS.	P.C. CONCRETE DRIVEWAY PAVEMENT, 6" SQ. YDS.
A	6.18	15.96
B	–	32.79
C	6.61	16.11
D	–	25.00
SHT. TOTAL	12.79	89.86

LOCATION	P.C. CONCRETE SIDEWALK 4" SQ. FT.
1	616.41
TOTAL	616.41

PROPOSED AGGREGATE SHOULDER

EXISTING DRIVEWAY PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DRIVEWAY PAVEMENT

BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	19
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

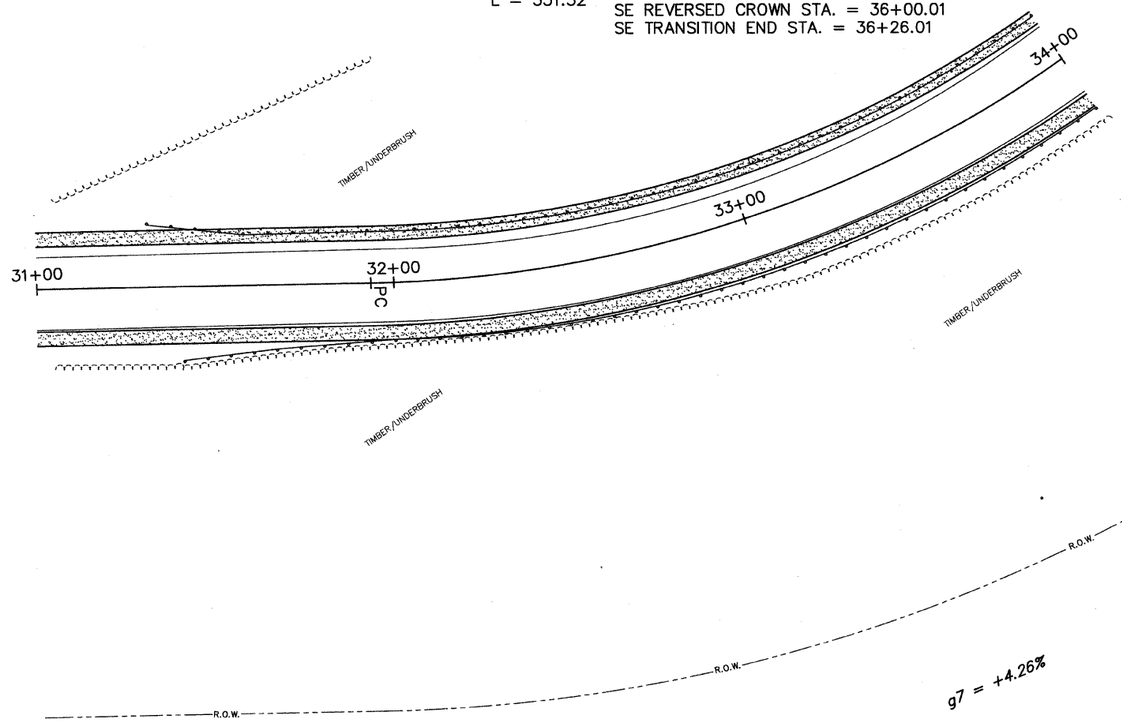
HORIZ. SCALE 1"=20' (0 10 20 40)

VERTICAL SCALE 1"=2' (0 1 2 4)

HORIZONTAL CURVE DATA

Δ= 58°00'
D = 16°30'
R = 348.45'
T = 193.15'
L = 351.52'

PC STA. = 31+93.49
PT STA. = 35+45.01
SE TRANSITION BEGIN STA. = 31+12.49
SE REVERSED CROWN STA. = 31+38.49
SE FULL 4% STA. = 32+07.49 TO 35+31.01
SE REVERSED CROWN STA. = 36+00.01
SE TRANSITION END STA. = 36+26.01



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
31+00 – 34+00	799.96
SHEET TOTAL	799.96

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
31+00 – 34+00	689.85
SHEET TOTAL	689.85

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
31+00 – 34+00	799.96
SHEET TOTAL	799.96

AGGREGATE SHOULDERS TYPE A, 6"	
STATION TO STATION	TONS
LT 31+00 – 34+00	45.37
RT 31+00 – 34+00	47.96
SHEET TOTAL	93.33

PROPOSED AGGREGATE SHOULDER

BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	20
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

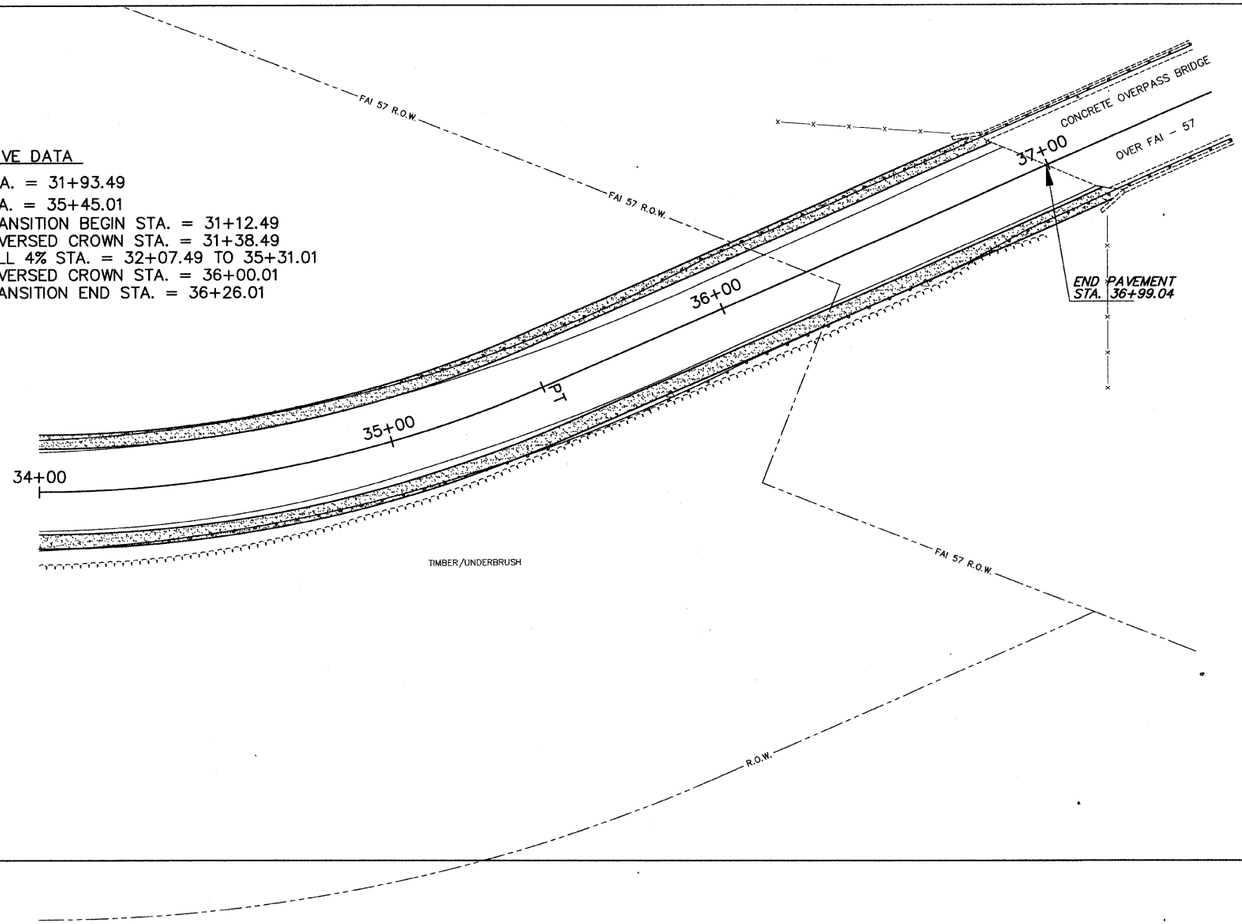
HORIZ. SCALE 1"=20' (0, 10, 20, 40)

VERTICAL SCALE 1"=2' (0, 1, 2, 4)

HORIZONTAL CURVE DATA

Δ= 58°00'
D = 16°30'
R = 348.45'
T = 193.15'
L = 351.52'

PC STA. = 31+93.49
PT STA. = 35+45.01
SE TRANSITION BEGIN STA. = 31+12.49
SE REVERSED CROWN STA. = 31+38.49
SE FULL 4% STA. = 32+07.49 TO 35+31.01
SE REVERSED CROWN STA. = 36+00.01
SE TRANSITION END STA. = 36+26.01



BLR 10-6 P.C.C. PAVEMENT SPECIAL, 8"	
STATION TO STATION	SQ. YDS.
34+00 – 36+99.04	798.20
SHEET TOTAL	798.20

PAVEMENT REMOVAL	
STATION TO STATION	SQ. YDS.
34+00 – 36+99.04	705.61
SHEET TOTAL	705.61

SUB-BASE --- GRANULAR MATERIAL, TYPE A, 4"	
STATION TO STATION	SQ. YDS.
34+00 – 36+99.04	798.20
SHEET TOTAL	798.20

AGGREGATE SHOULDERS TYPE A, 6"	
STATION TO STATION	TONS
LT 34+00 – 36+99.04	41.31
RT 34+00 – 36+99.04	49.40
SHEET TOTAL	90.71

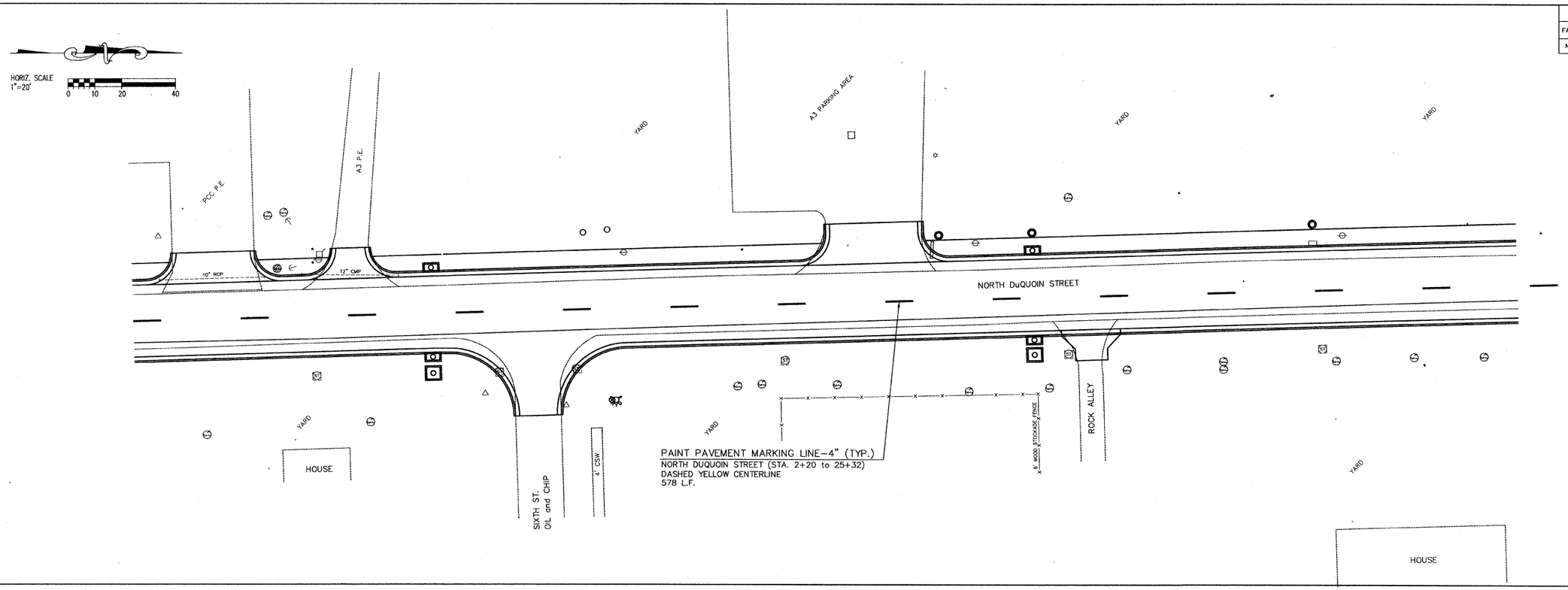
PROPOSED AGGREGATE SHOULDER

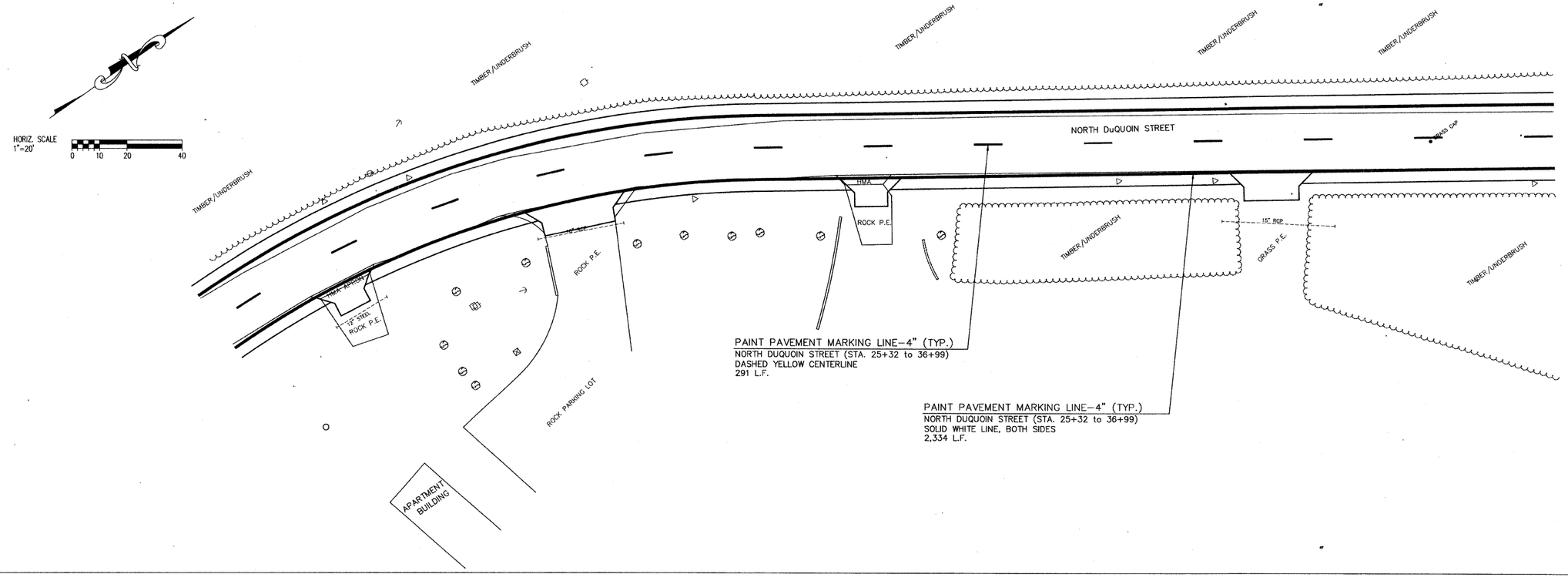
BENTON - NORTH DuQUOIN STREET

BENTON\DRAWINGS\RemovalReplace.dwg Job #006.172

REMOVAL AND REPLACEMENT MISCELLANEOUS SCHEDULES

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9452	08-00059-00-RP	FRANKLIN	39	21
NORTH DuQUOIN STREET		CONTRACT NO.	99396	





IMPROVEMENTS TO NORTH DuQUOIN STREET

PAVEMENT MARKING PLAN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	22
NORTH DuQUOIN ST.		CONTRACT NO.	99396	

SCALE: 1"=400'

LEGEND

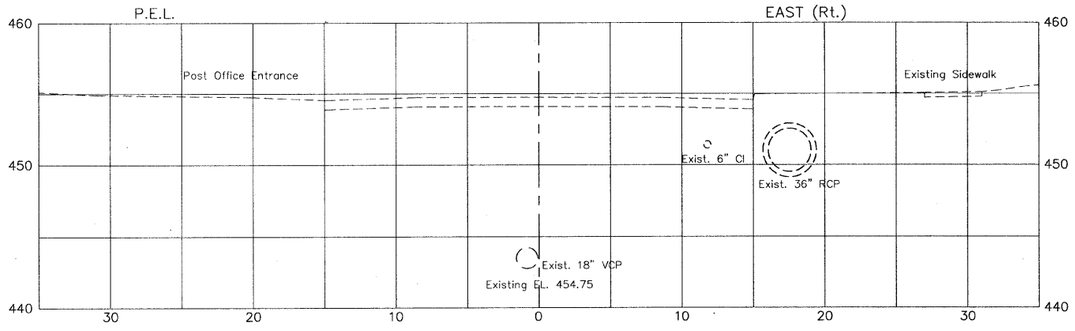
- WORK ZONE WITH A MINIMUM OF 1 LANE TRAFFIC TO BE MAINTAINED
- TYPE III BARRICADE WITH "ROAD CLOSED" SIGN
- TYPE III BARRICADE WITH "ROAD CLOSED LOCAL TRAFFIC ONLY" SIGN
- WARNING SIGN

IMPROVEMENTS TO STOTLAR STREET

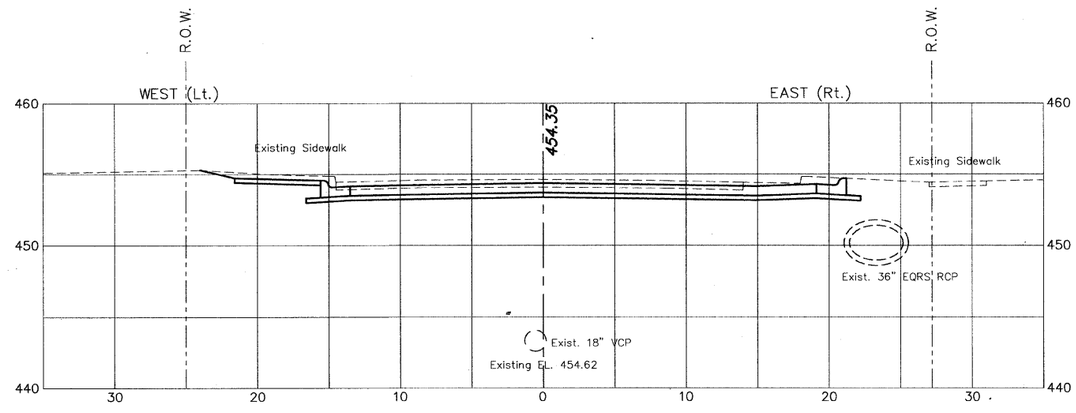
TRAFFIC CONTROL and PROTECTION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	23
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

2 + 00

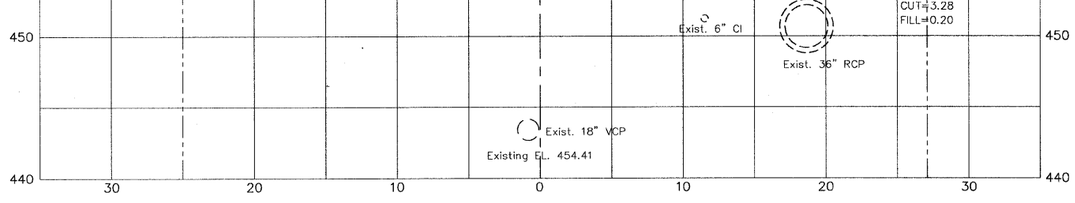


3 + 00



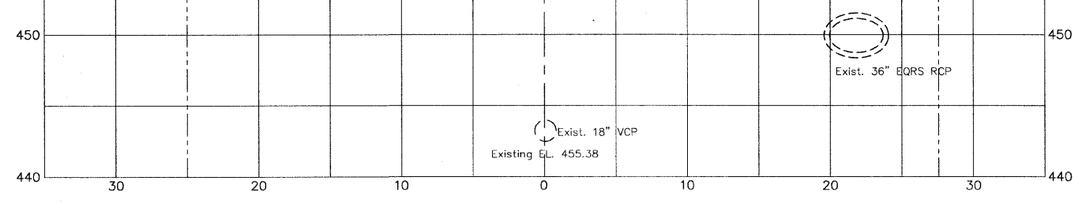
Cut = 4.49 sq. yd.
Fill = 0.24 sq. yd.

2 + 50



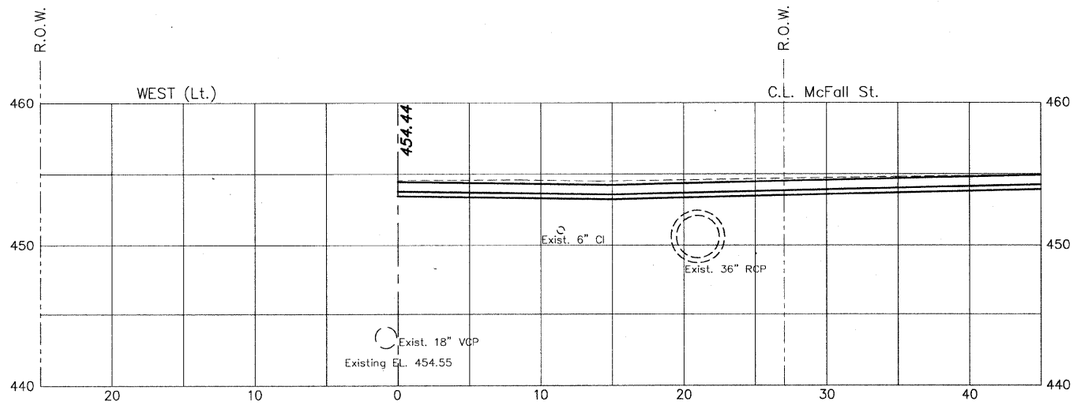
Cut = 3.28 sq. yd.
Fill = 0.20 sq. yd.

3 + 50

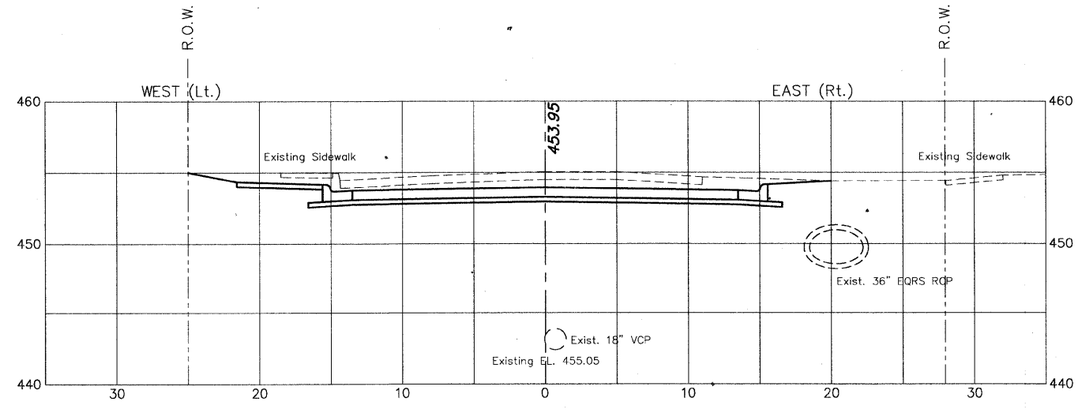


Cut = 6.97 sq. yd.
Fill = 0.10 sq. yd.

2 + 75.62



4 + 00



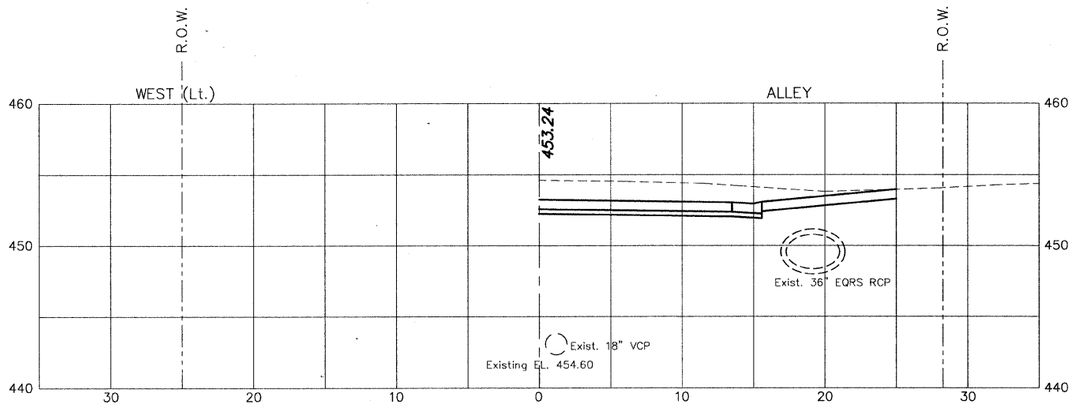
Cut = 6.46 sq. yd.
Fill = 0.24 sq. yd.

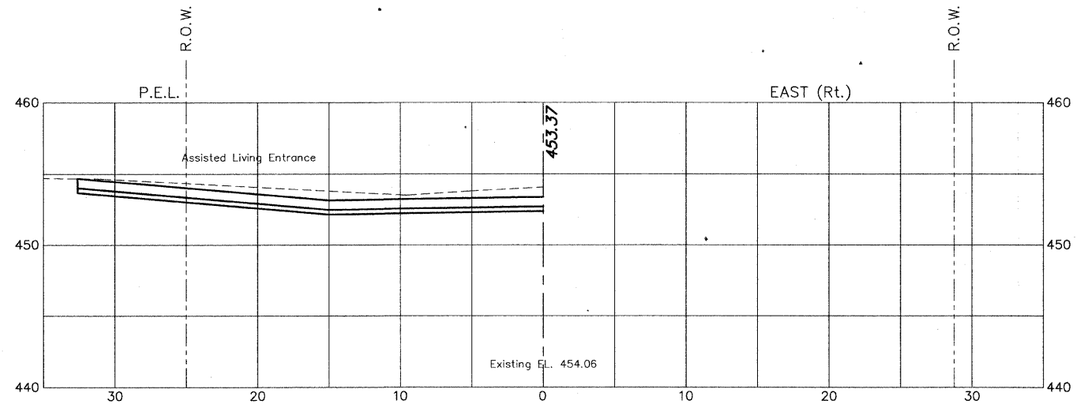
CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 2+00 to 4+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	24
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

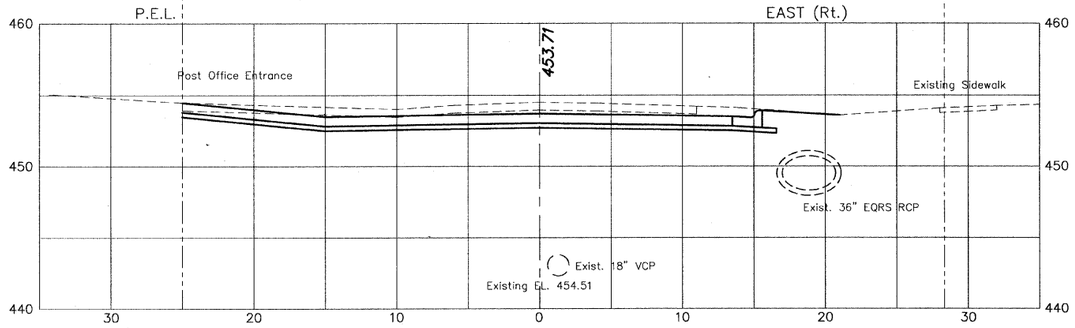
4 + 40



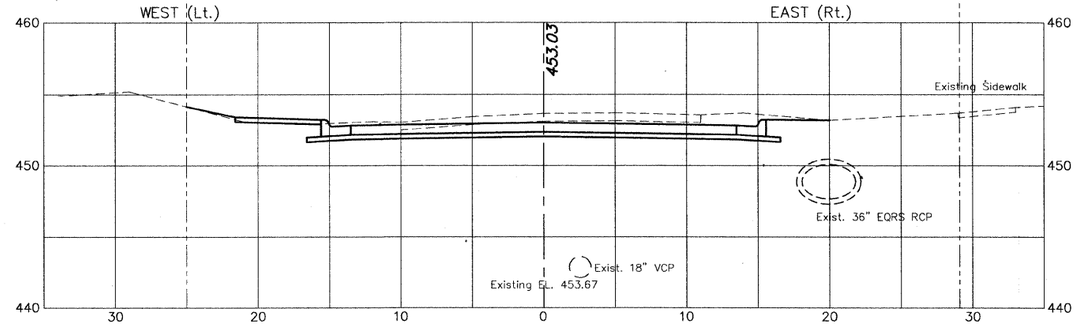


5 + 06

4 + 50



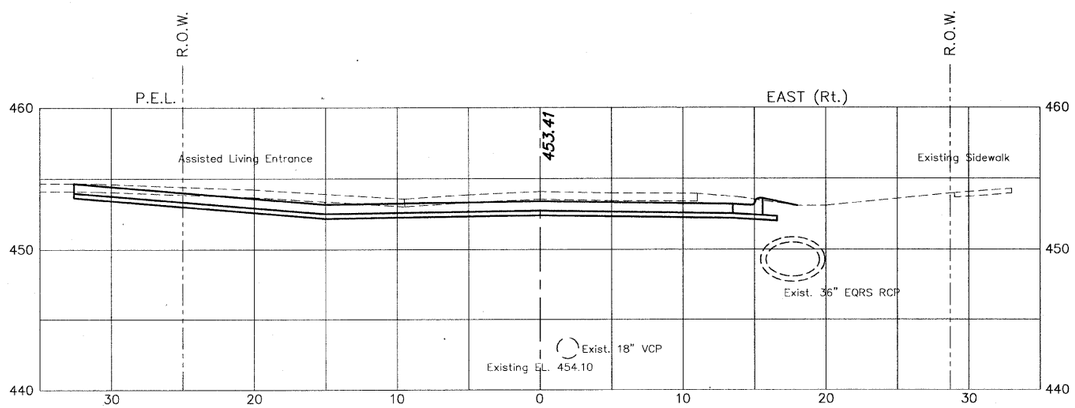
Cut = 5.22 sq. yd.
Fill = 0.13 sq. yd.



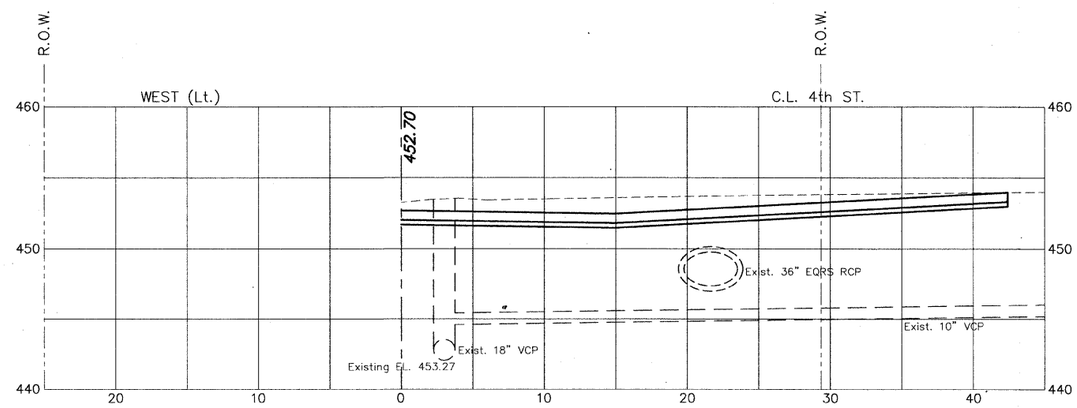
Cut = 4.52 sq. yd.
Fill = 0.28 sq. yd.

5 + 50

5 + 00



Cut = 5.69 sq. yd.
Fill = 0.02 sq. yd.



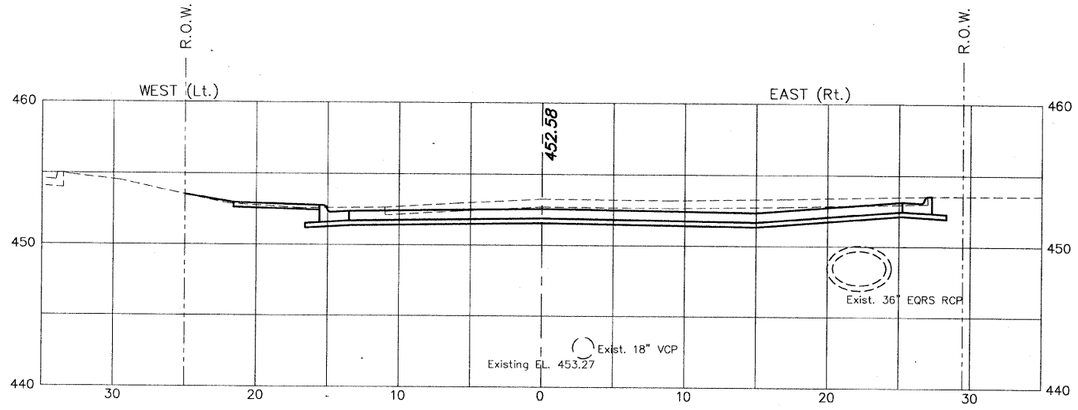
5 + 87

CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 4+40 to Sta. 5+87

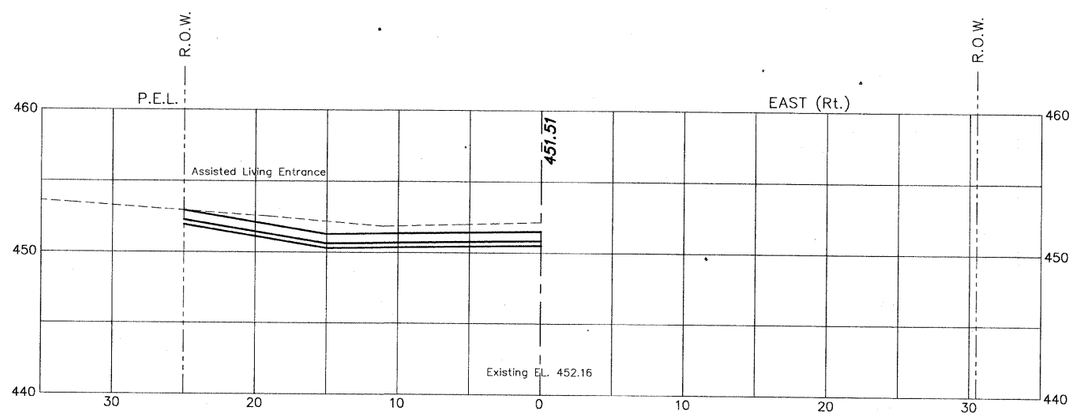
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	25
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

6 + 00

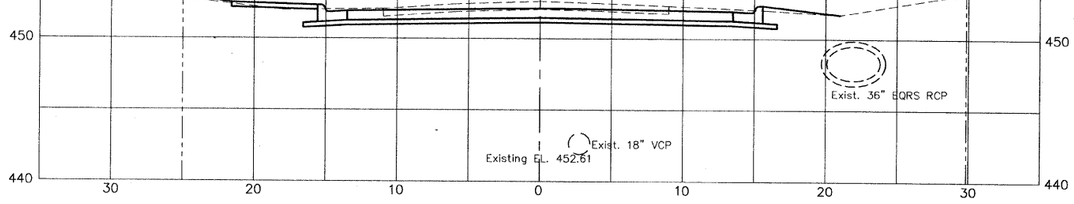


Cut = 5.71 sq. yd.
Fill = 0.27 sq. yd.

7 + 35

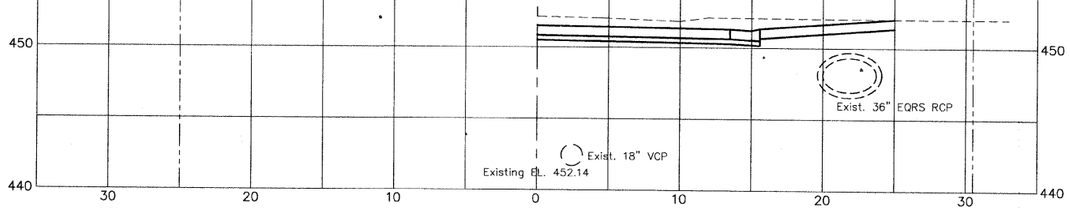


6 + 50

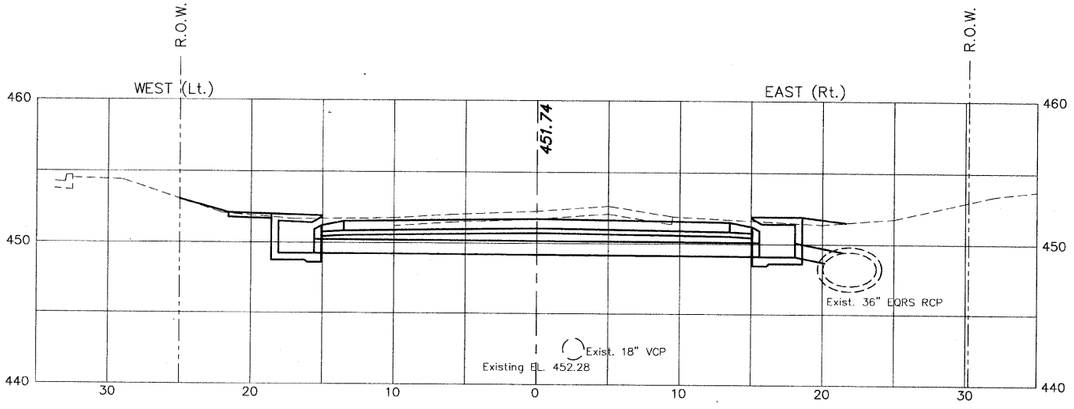


Cut = 3.62 sq. yd.
Fill = 0.35 sq. yd.

7 + 38

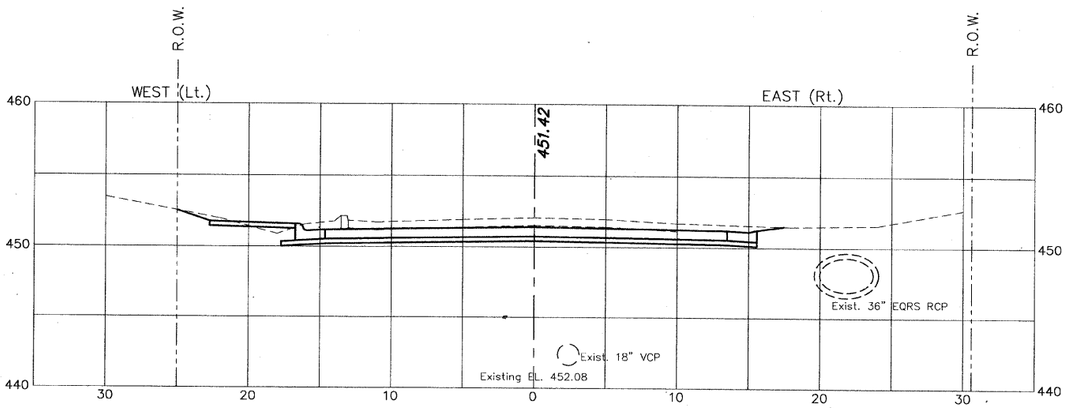


7 + 00



Cut = 3.78 sq. yd.
Fill = 0.03 sq. yd.

7 + 50



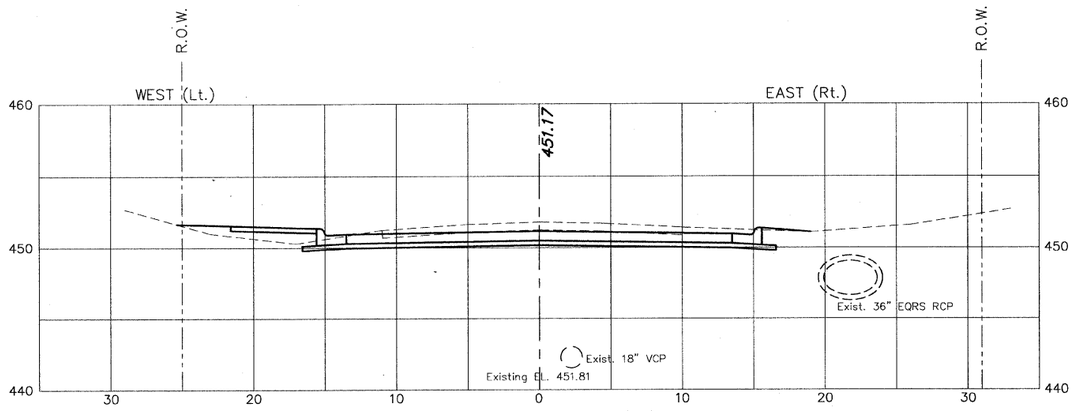
Cut = 4.45 sq. yd.
Fill = 0.15 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 6+00 to Sta. 7+50

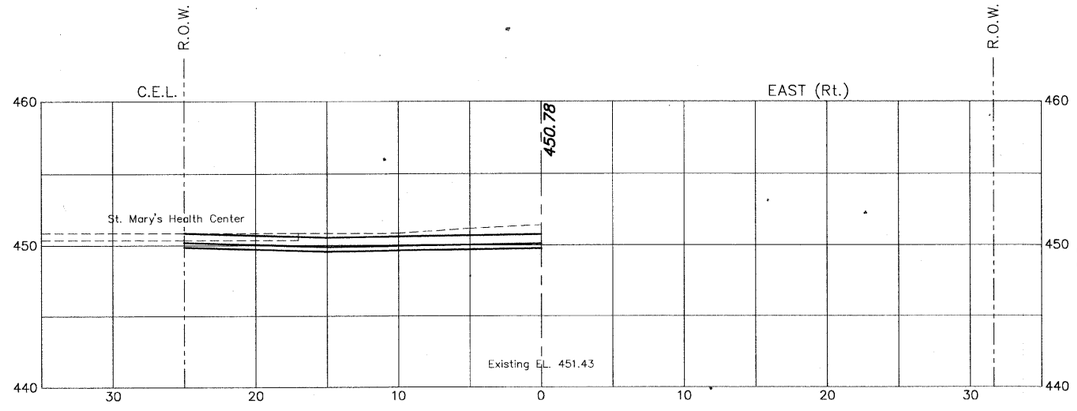
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	26
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

8 + 00

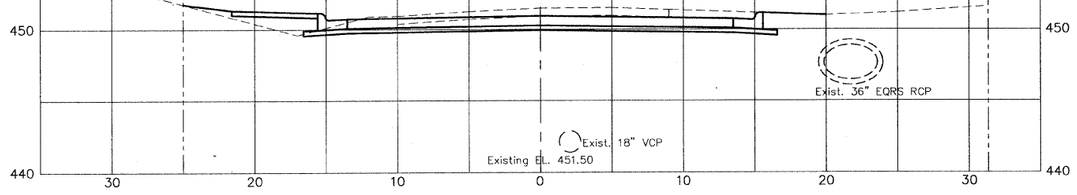


Cut = 3.83 sq. yd.
Fill = 0.77 sq. yd.

8 + 90

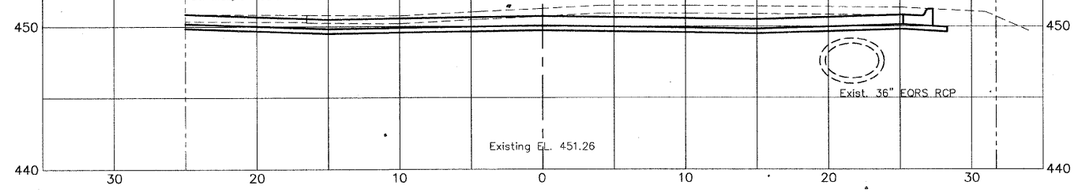


8 + 50



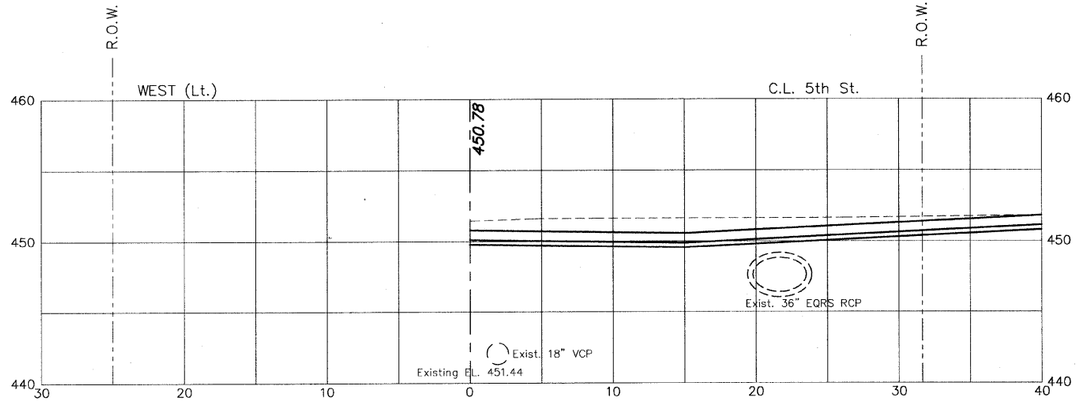
Cut = 3.81 sq. yd.
Fill = 0.76 sq. yd.

9 + 00

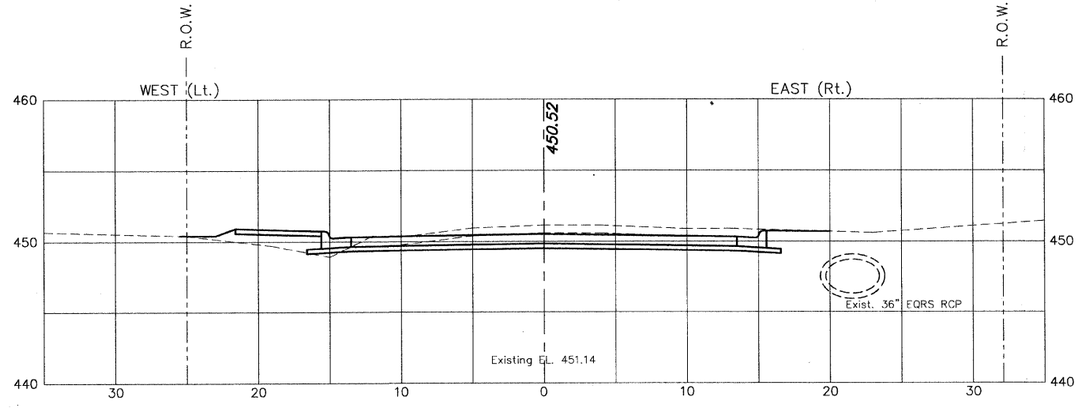


Cut = 5.99 sq. yd.
Fill = 0.13 sq. yd.

8 + 89



9 + 50



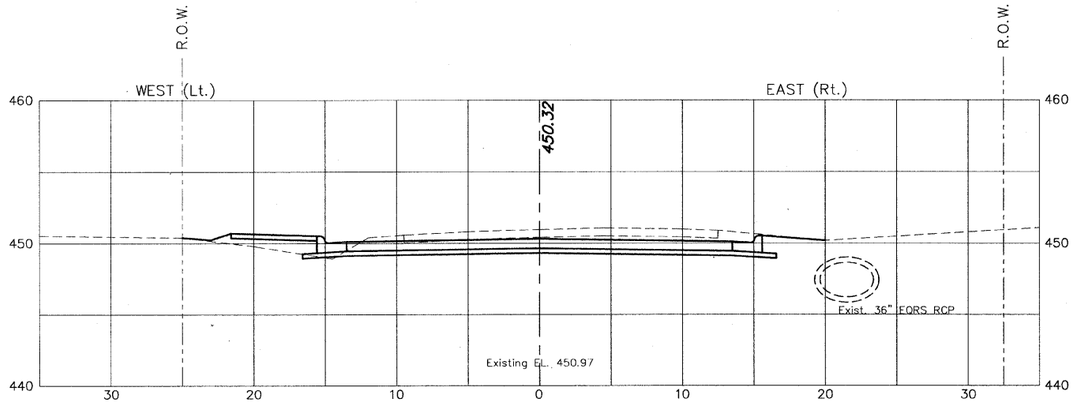
Cut = 3.63 sq. yd.
Fill = 0.87 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 8+00 to Sta. 9+50

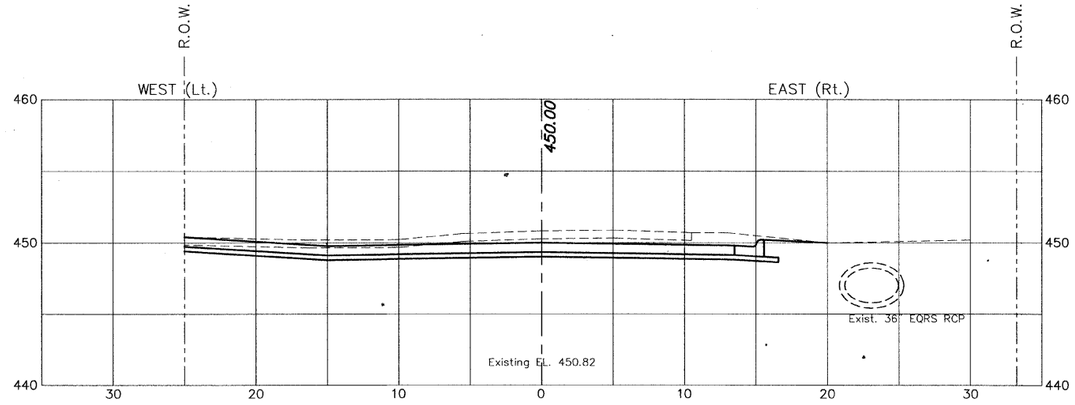
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	27
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

10 + 00



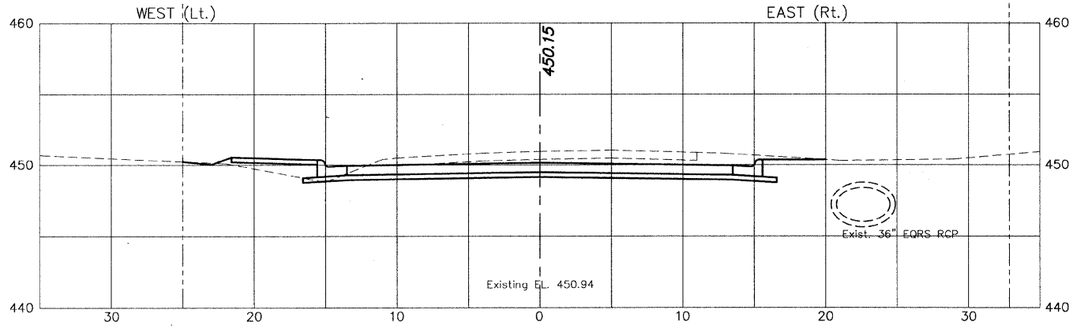
Cut = 4.10 sq. yd.
Fill = 0.68 sq. yd.

11 + 00



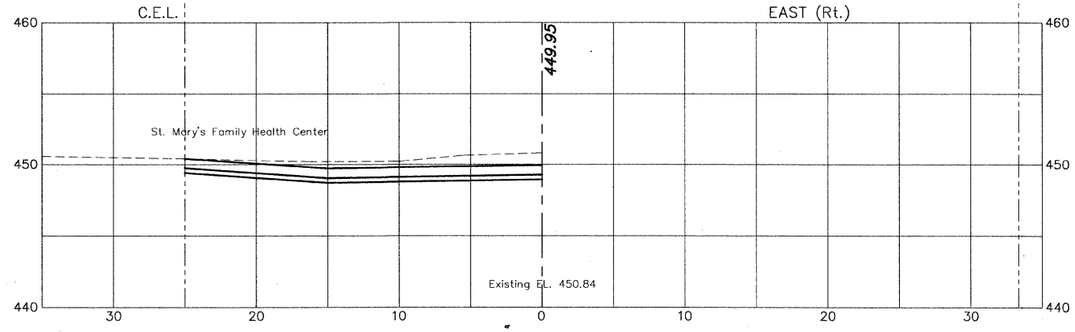
Cut = 5.29 sq. yd.
Fill = 0.13 sq. yd.

10 + 50

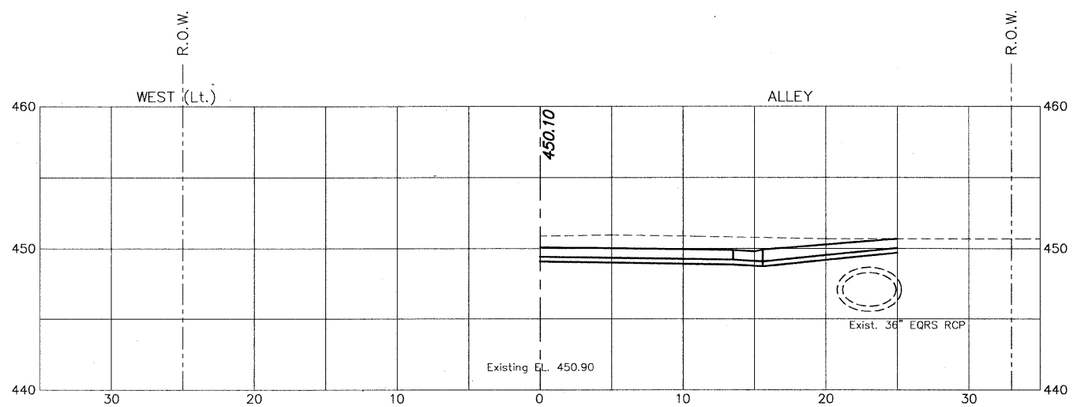


Cut = 4.56 sq. yd.
Fill = 0.59 sq. yd.

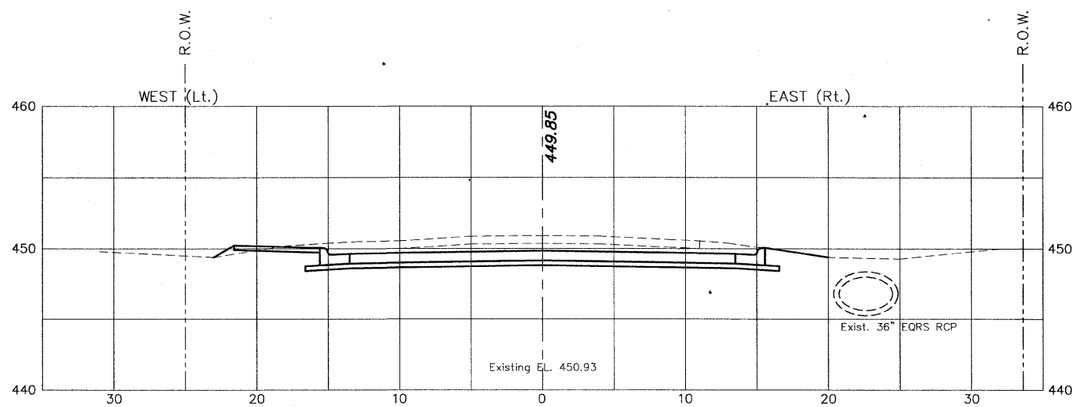
11 + 16



10 + 67



11 + 50



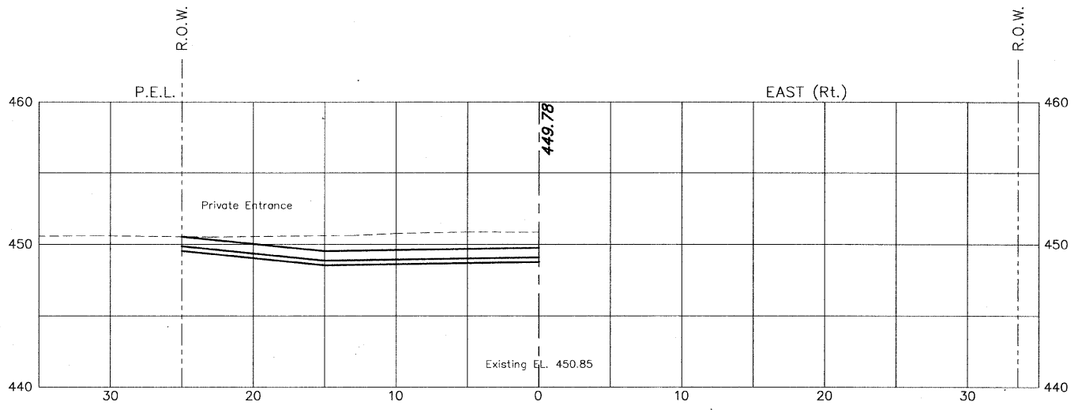
Cut = 5.95 sq. yd.
Fill = 0.31 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

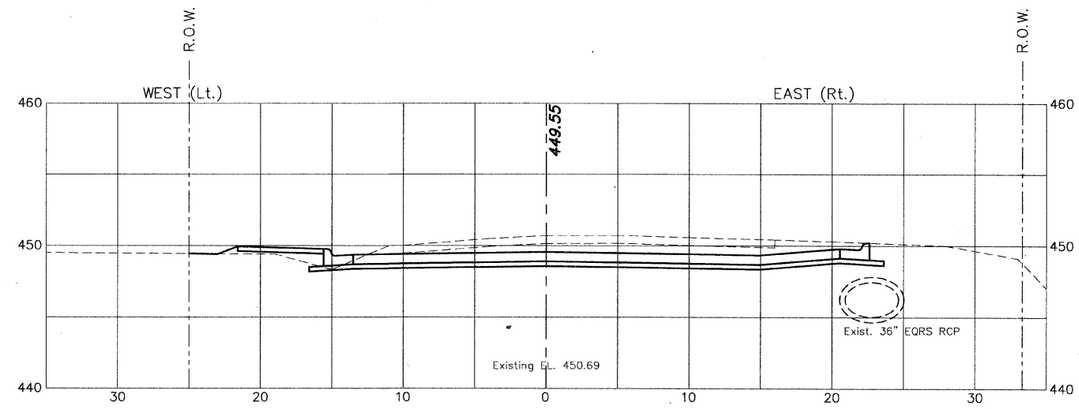
CROSS SECTIONS Sta. 10+00 to Sta. 11+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	28
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

11 + 73

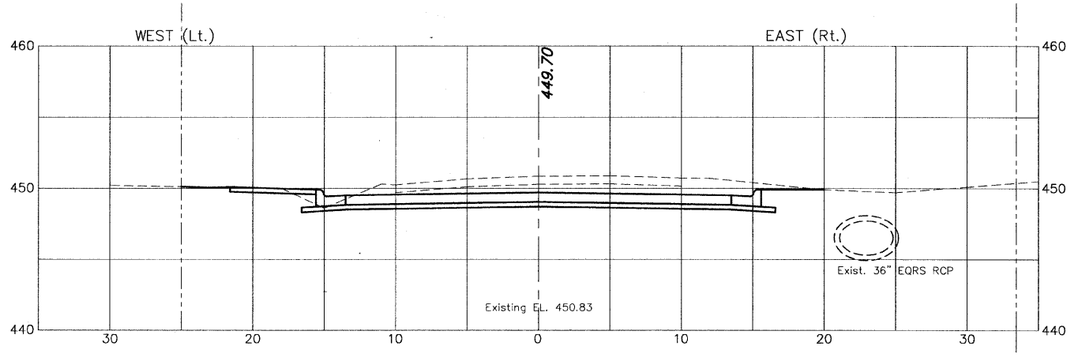


12 + 50



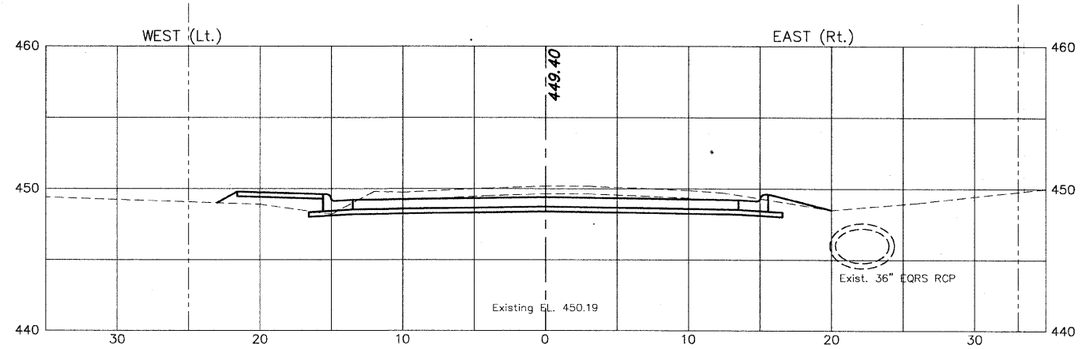
Cut = 6.39 sq. yd.
Fill = 0.44 sq. yd.

12 + 00



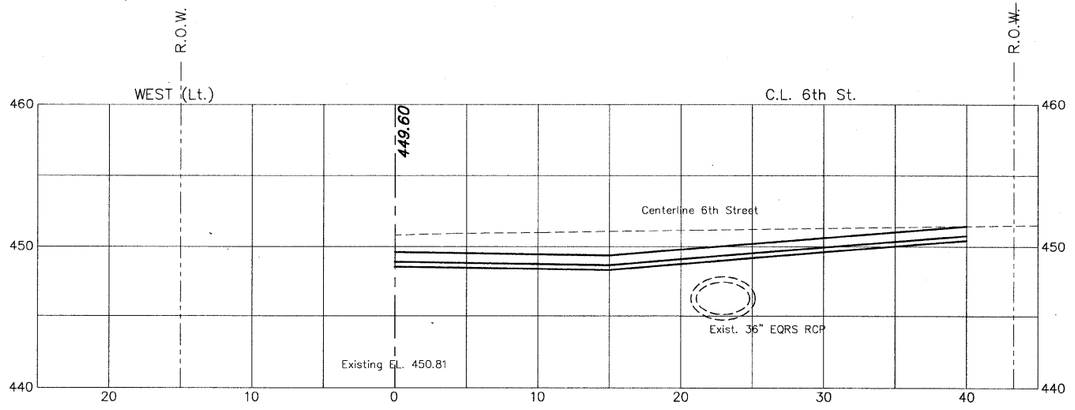
Cut = 5.86 sq. yd.
Fill = 0.25 sq. yd.

13 + 00

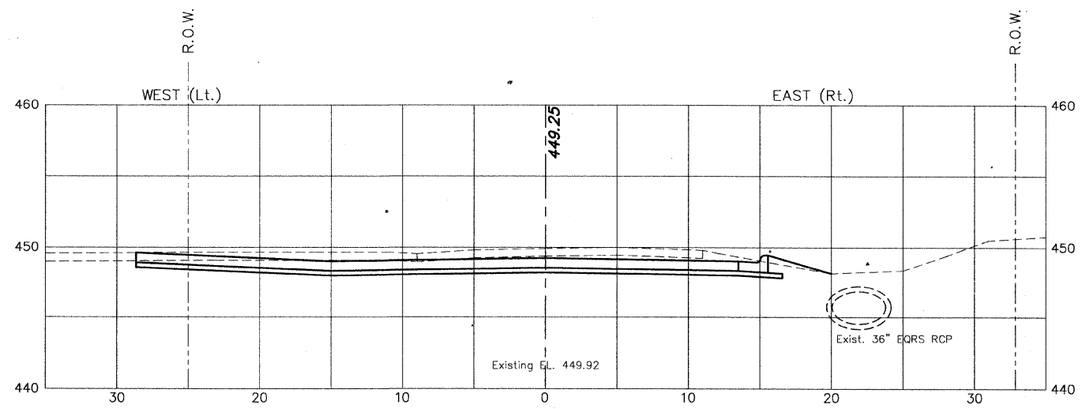


Cut = 4.22 sq. yd.
Fill = 0.77 sq. yd.

12 + 34



13 + 50



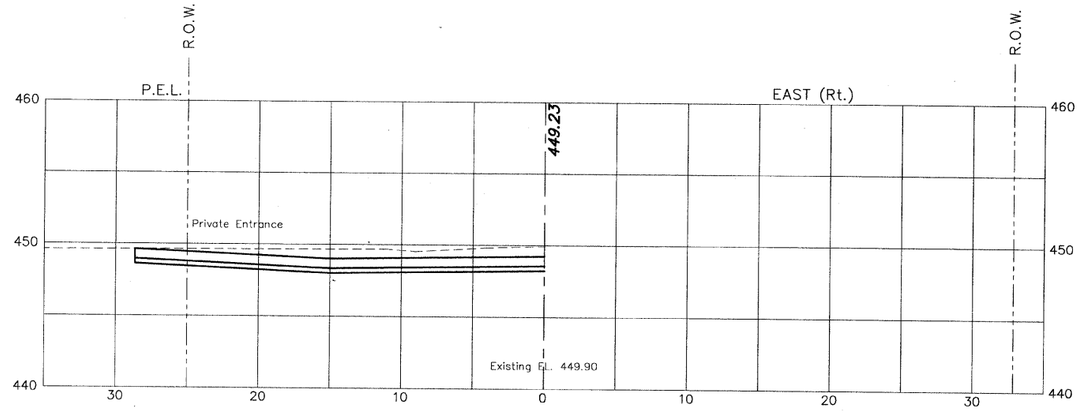
Cut = 5.17 sq. yd.
Fill = 0.19 sq. yd.

BENTON–DuQUOIN STREET

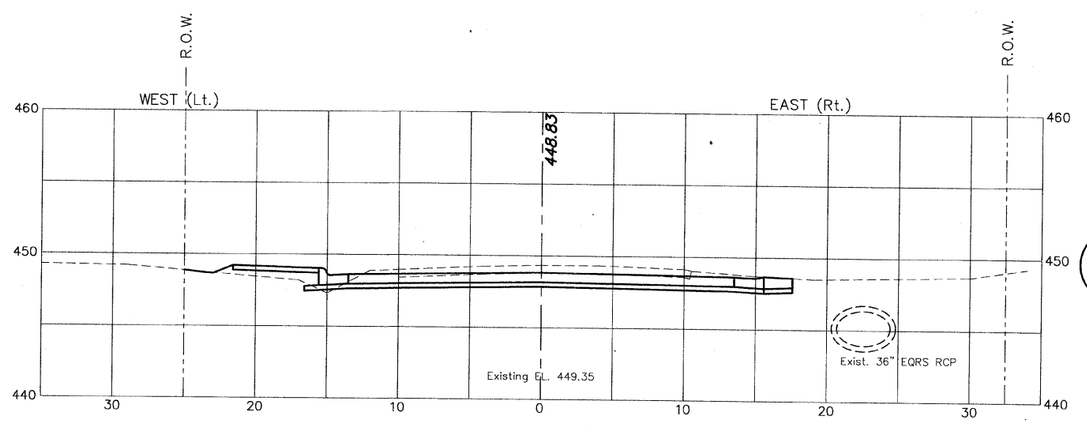
CROSS SECTIONS Sta. 11+73 to Sta. 13+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	29
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

13 + 56

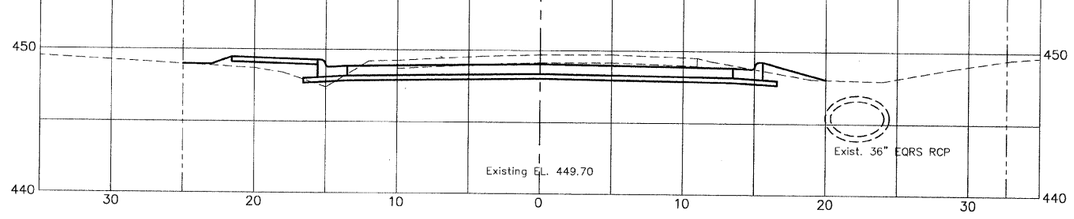


14 + 50



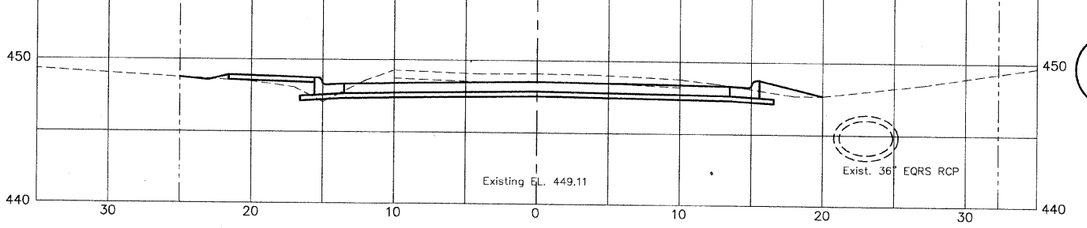
Cut = 3.51 sq. yd.
Fill = 0.41 sq. yd.

14 + 00



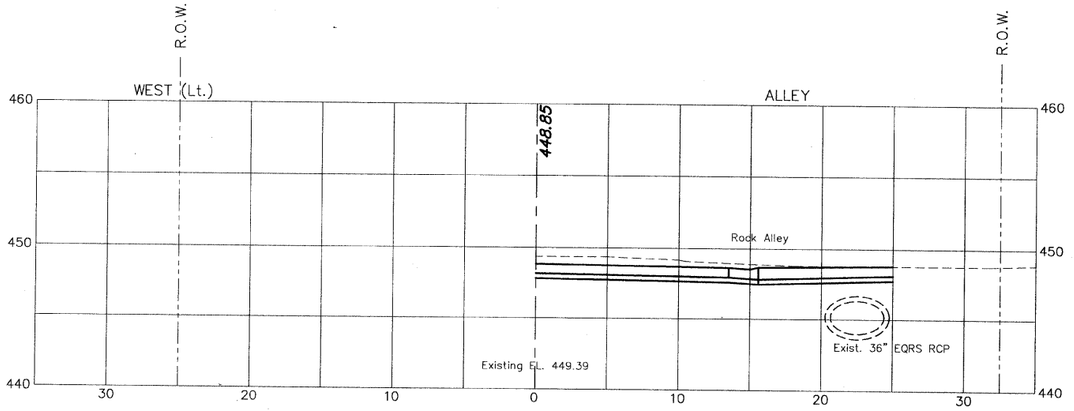
Cut = 3.68 sq. yd.
Fill = 0.74 sq. yd.

15 + 00

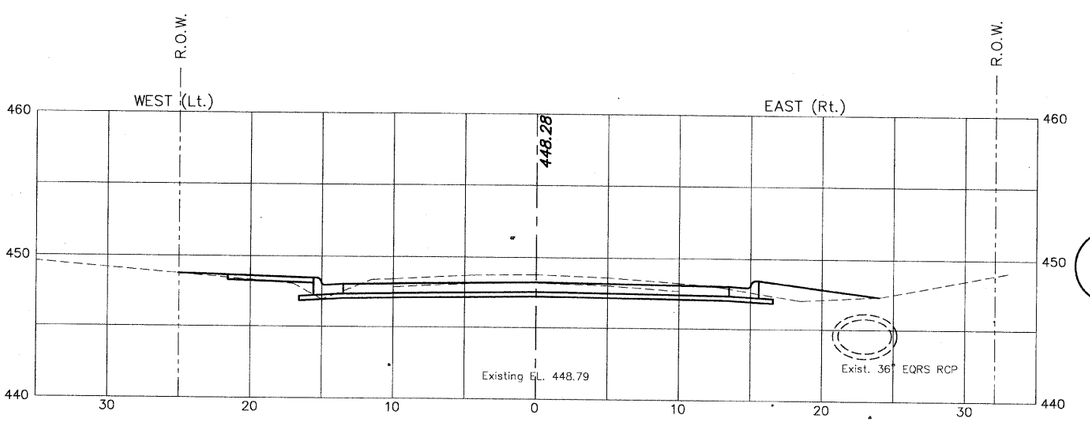


Cut = 3.67 sq. yd.
Fill = 0.49 sq. yd.

14 + 45



15 + 50



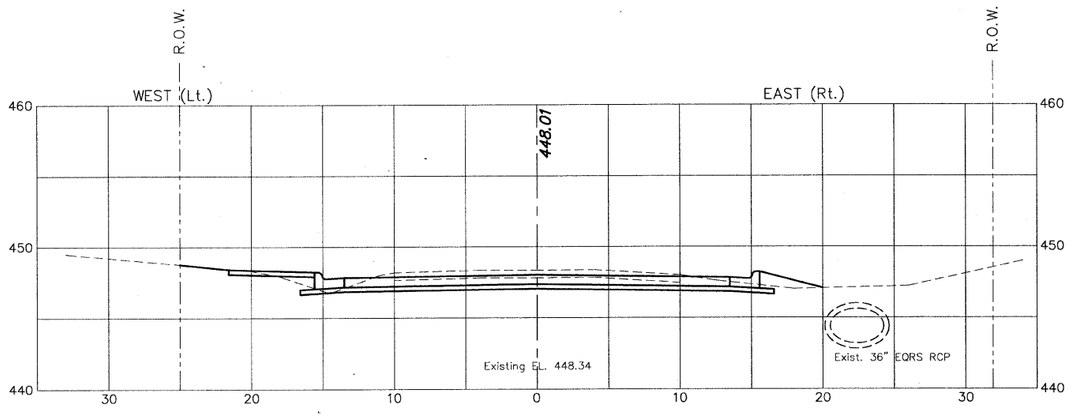
Cut = 3.12 sq. yd.
Fill = 0.81 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 13+56 to Sta. 15+50

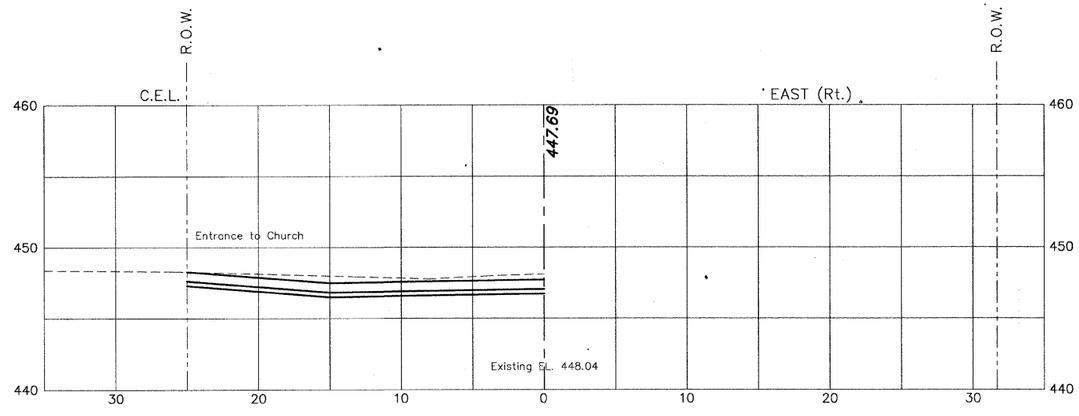
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	30
NORTH DuQUOIN ST.		CONTRACT NO.	99396	

16 + 00

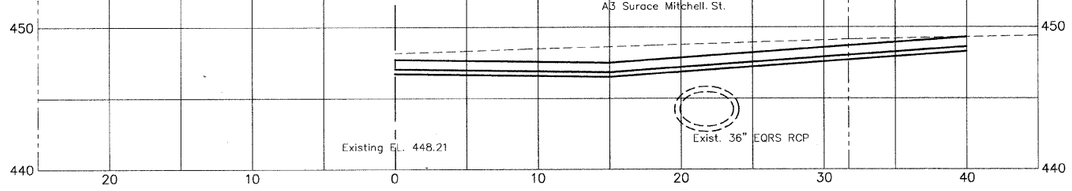


Cut = 2.83 sq. yd.
Fill = 0.44 sq. yd.

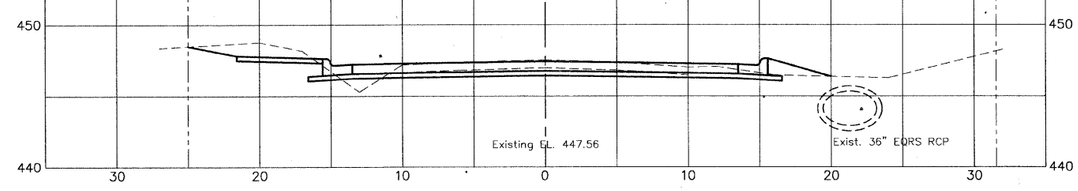
16 + 58



16 + 48

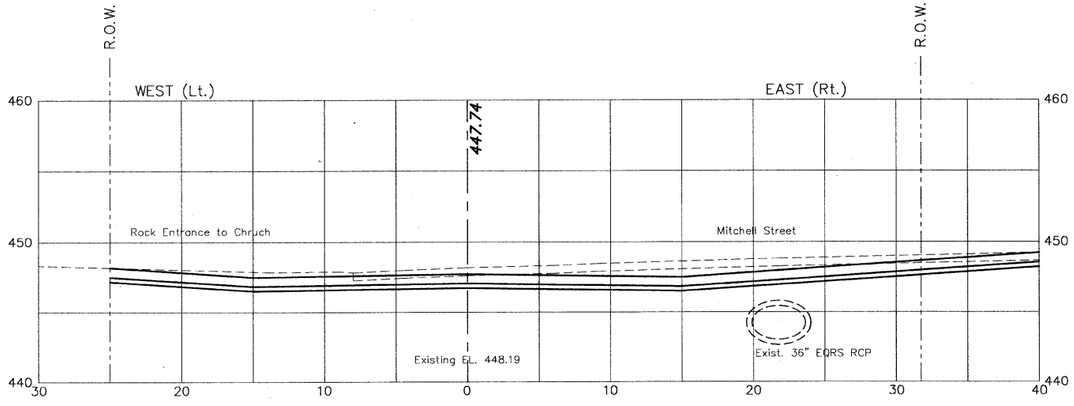


17 + 00



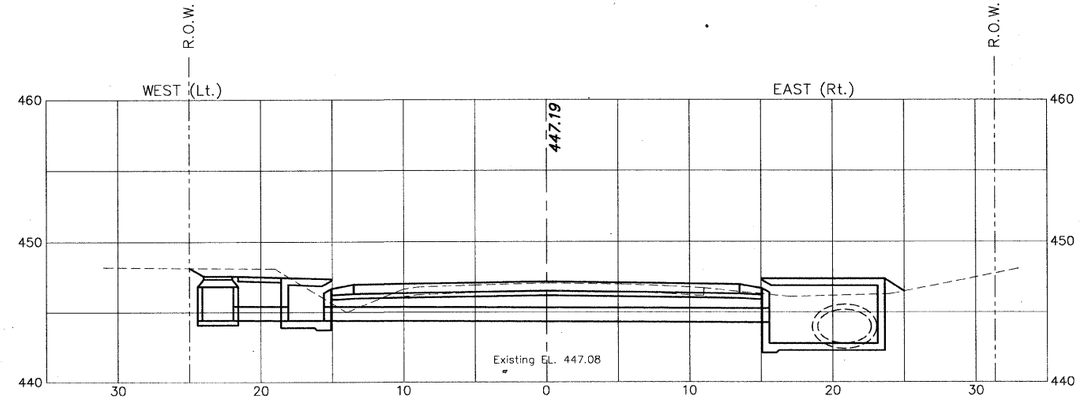
Cut = 2.52 sq. yd.
Fill = 0.54 sq. yd.

16 + 50



Cut = 7.92 sq. yd.
Fill = 0.00 sq. yd.

17 + 50



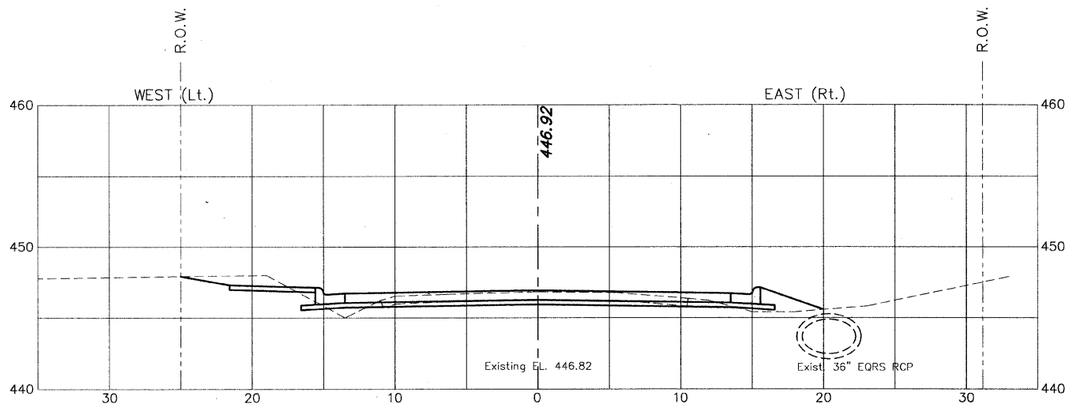
Cut = 1.48 sq. yd.
Fill = 0.29 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 16+00 to Sta. 17+50

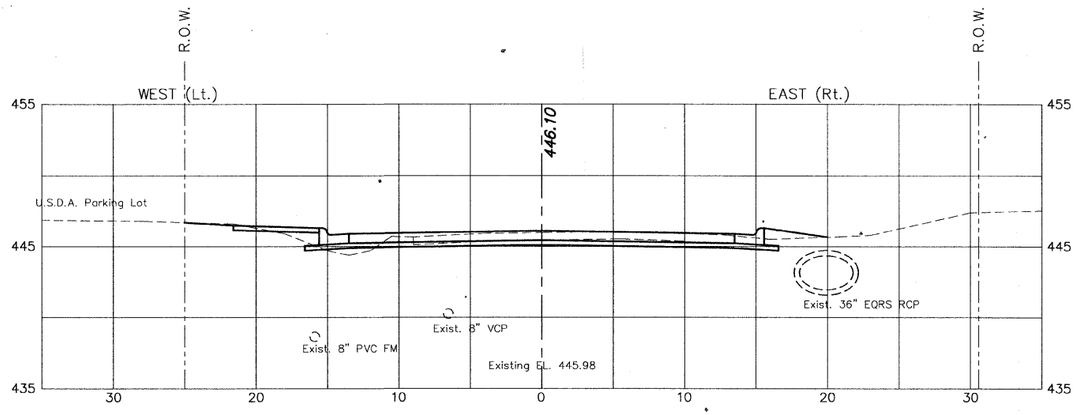
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	31
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

18 + 00



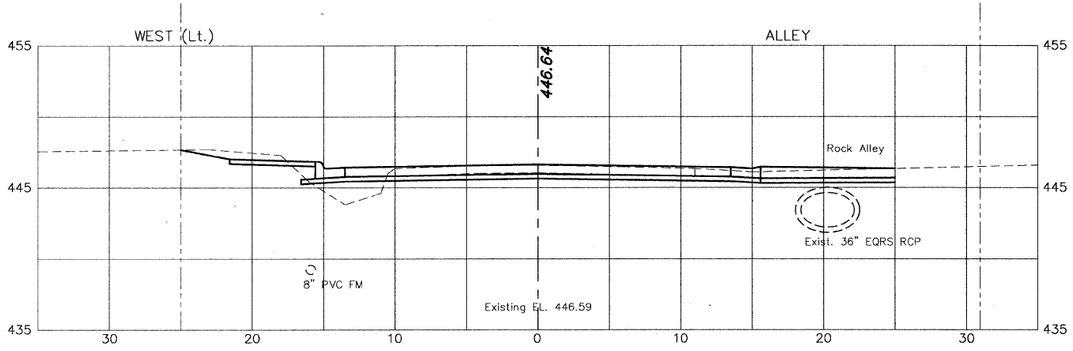
Cut = 1.50 sq. yd.
Fill = 0.65 sq. yd.

19 + 50



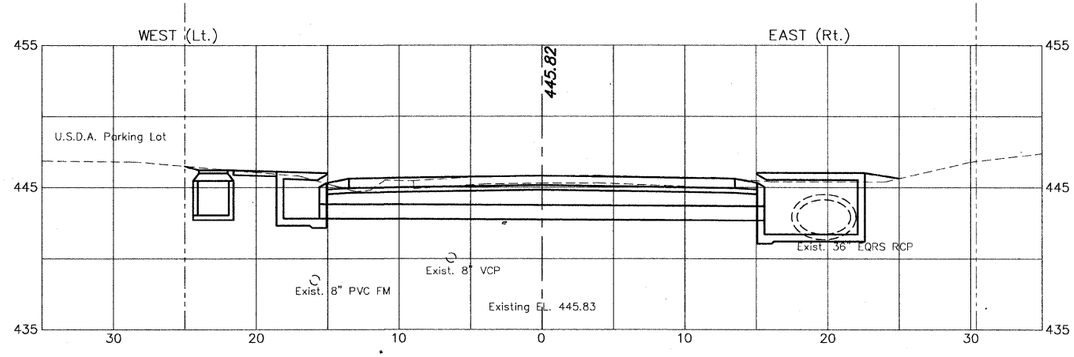
Cut = 1.70 sq. yd.
Fill = 0.54 sq. yd.

18 + 50



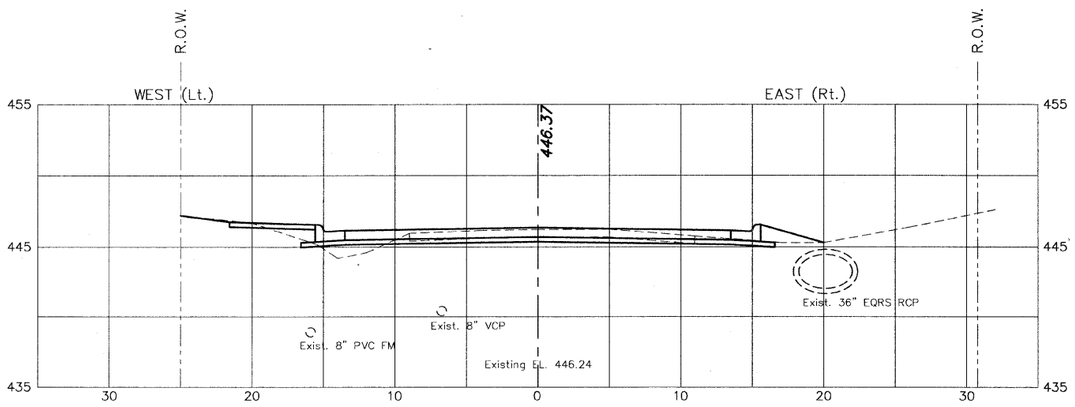
Cut = 2.78 sq. yd.
Fill = 0.70 sq. yd.

20 + 00



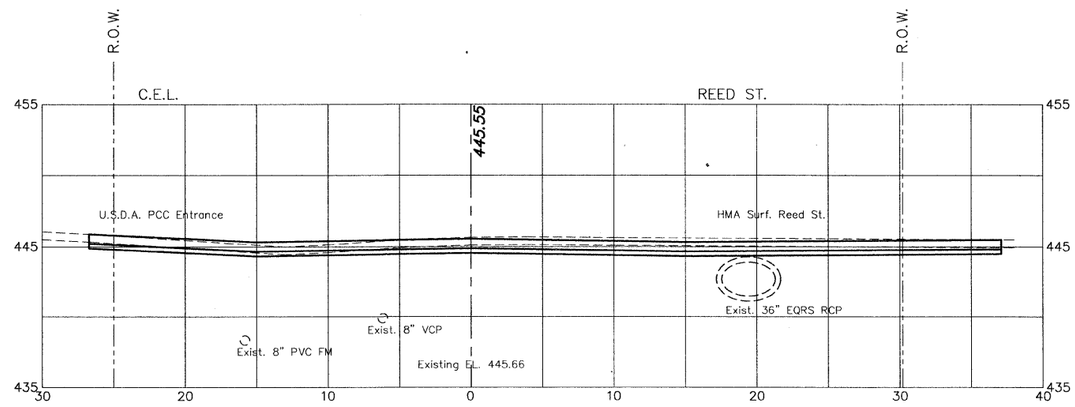
Cut = 1.99 sq. yd.
Fill = 0.10 sq. yd.

19 + 00



Cut = 1.10 sq. yd.
Fill = 0.78 sq. yd.

20 + 50



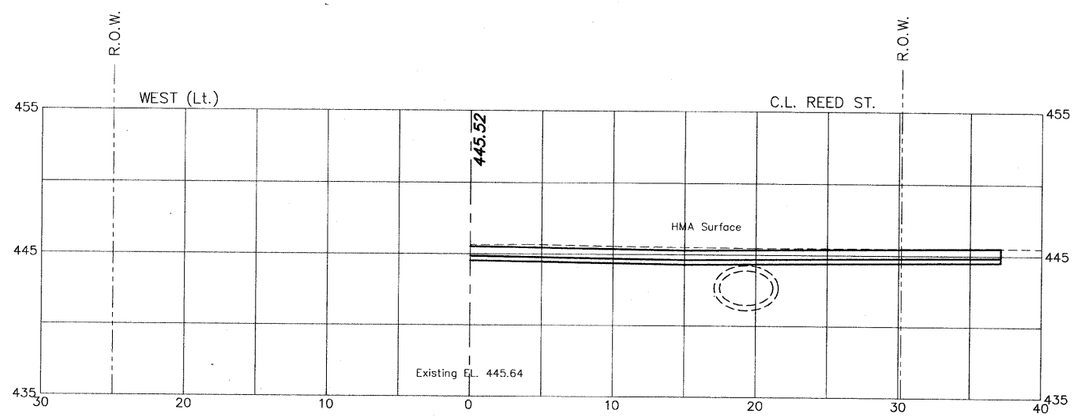
Cut = 3.58 sq. yd.
Fill = 0.00 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

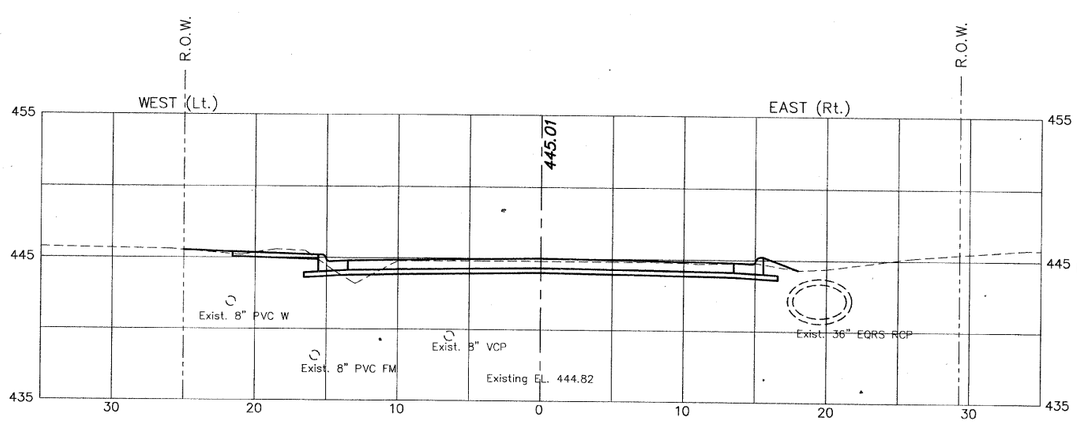
CROSS SECTIONS Sta. 18+00 to Sta. 20+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	32
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

20 + 55.65

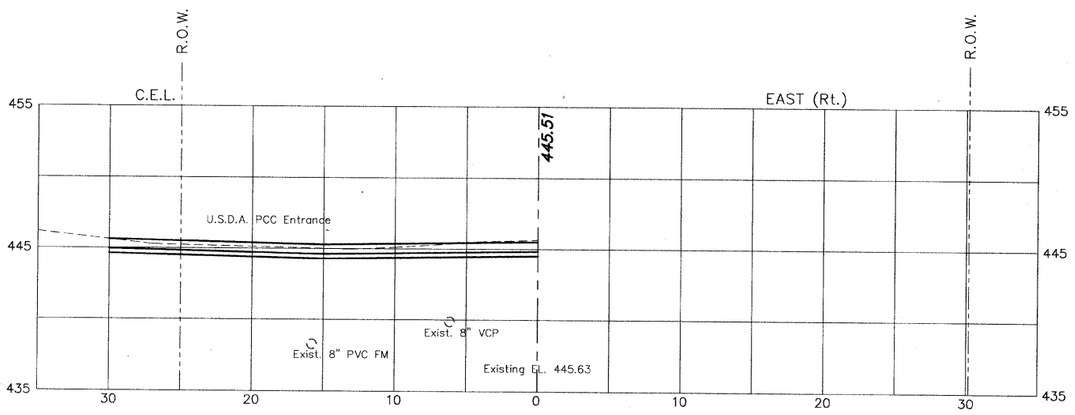


21 + 50

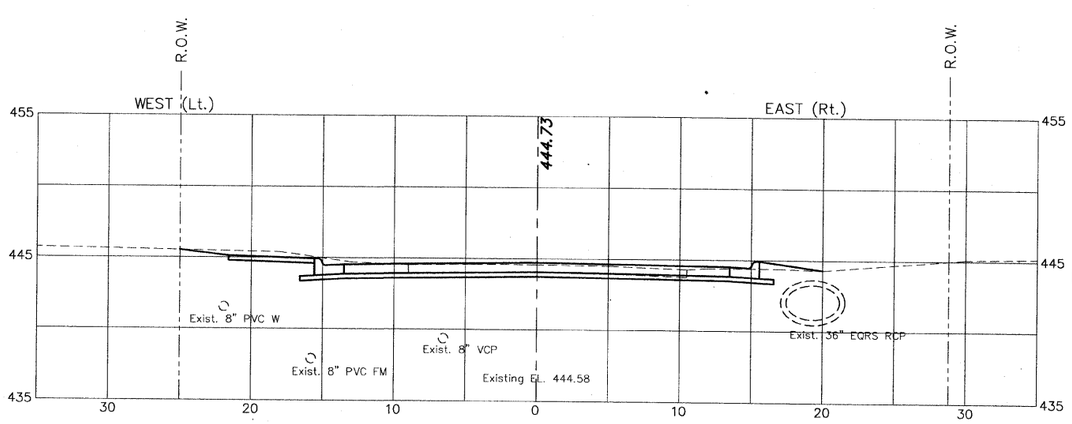


Cut = 2.03 sq. yd.
Fill = 0.35 sq. yd.

20 + 57

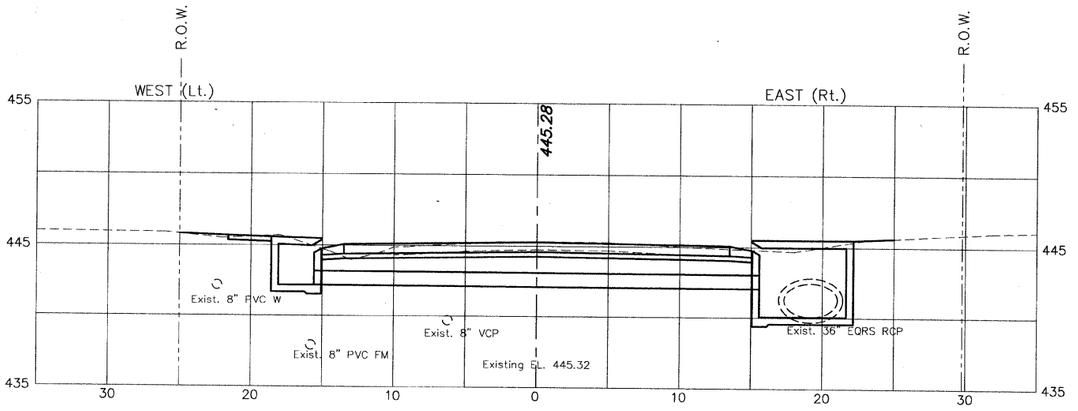


22 + 00



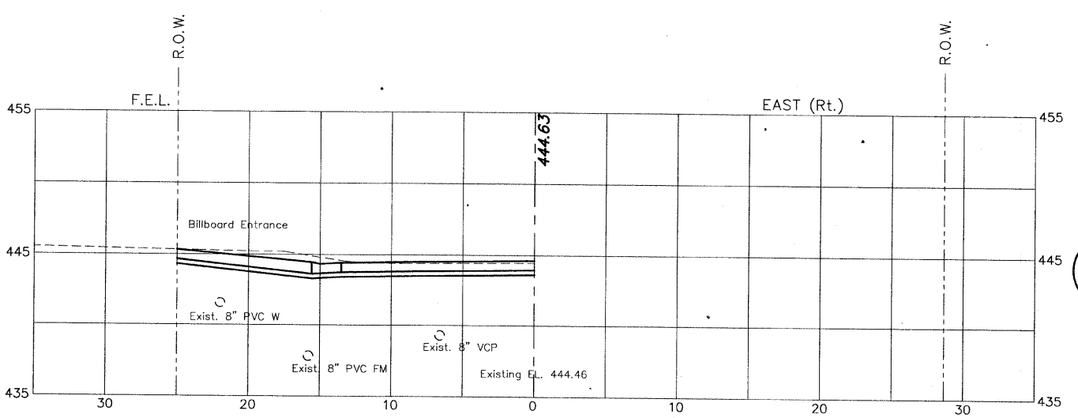
Cut = 2.76 sq. yd.
Fill = 0.31 sq. yd.

21 + 00



Cut = 1.79 sq. yd.
Fill = 0.05 sq. yd.

22 + 19

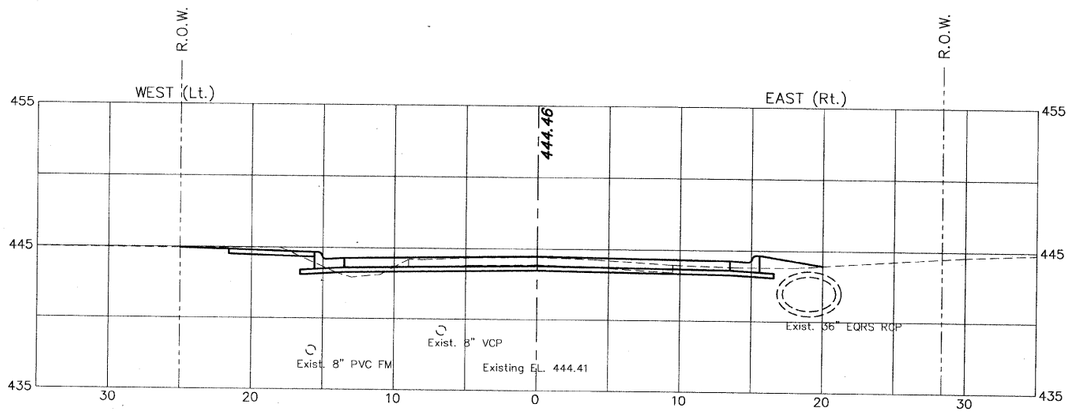


CITY OF BENTON—N. DuQUOIN STREET

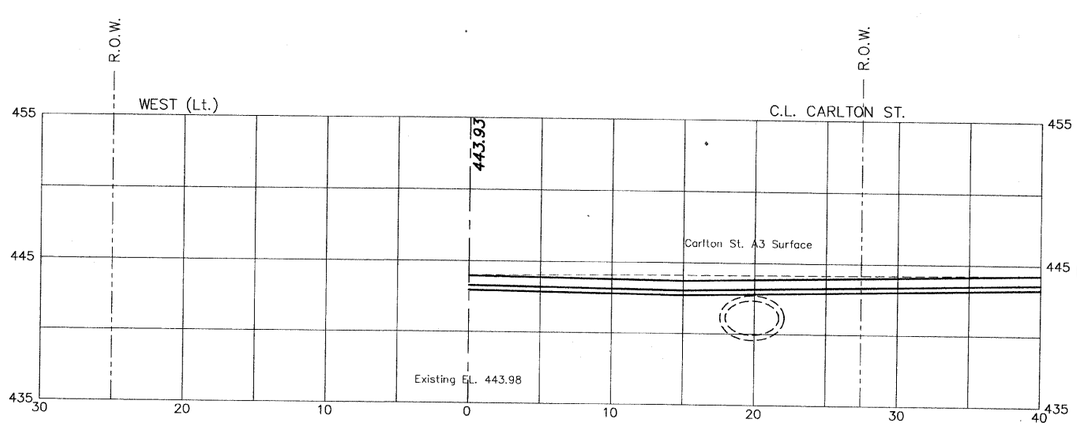
CROSS SECTIONS Sta. 20+55.65 to Sta. 22+19

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	33
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

22 + 50

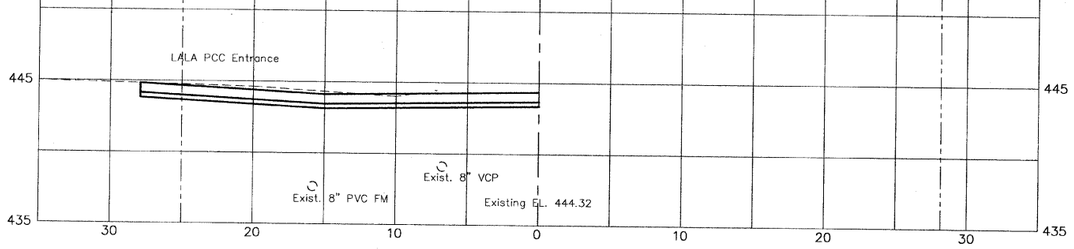


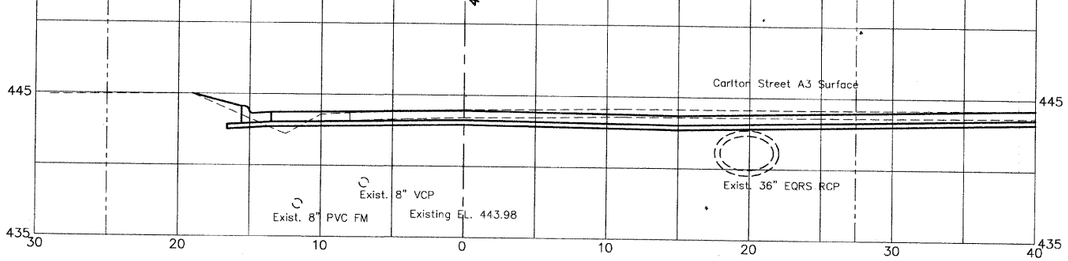
Cut = 1.66 sq. yd.
Fill = 0.46 sq. yd.



23 + 48

22 + 71

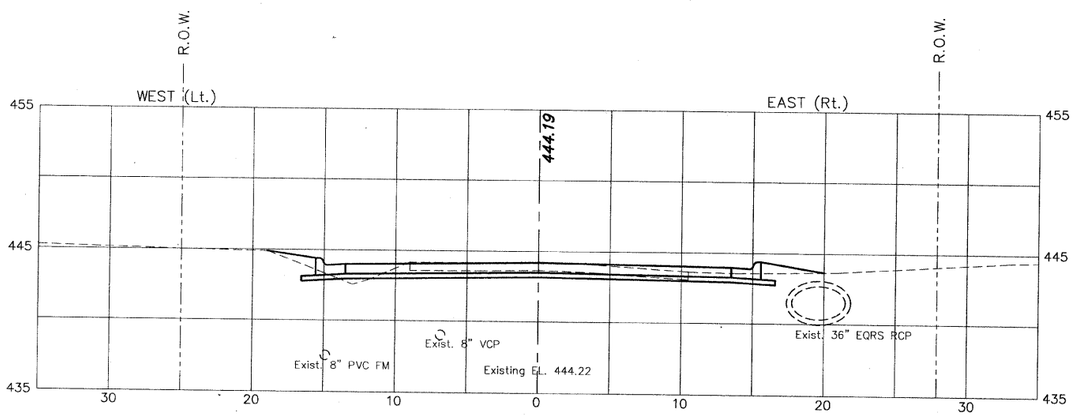




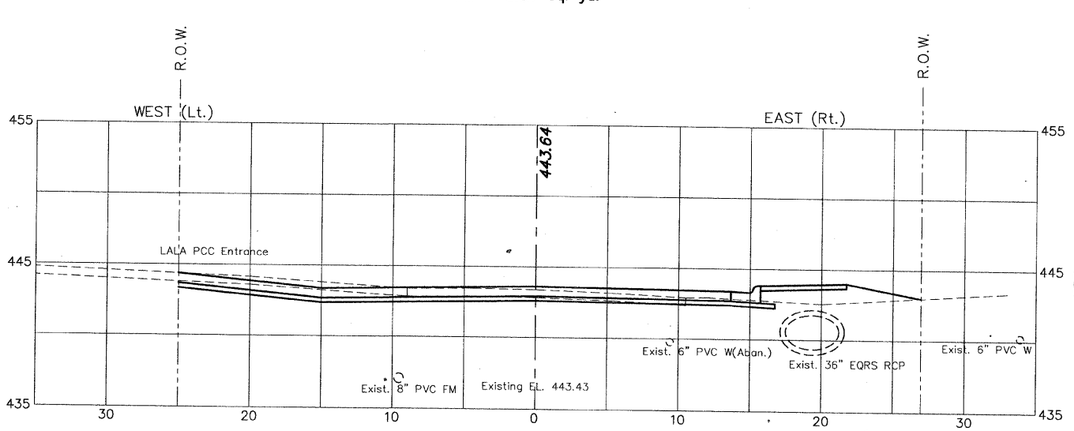
23 + 50

Cut = 3.83 sq. yd.
Fill = 0.27 sq. yd.

23 + 00



Cut = 1.66 sq. yd.
Fill = 0.51 sq. yd.



24 + 00

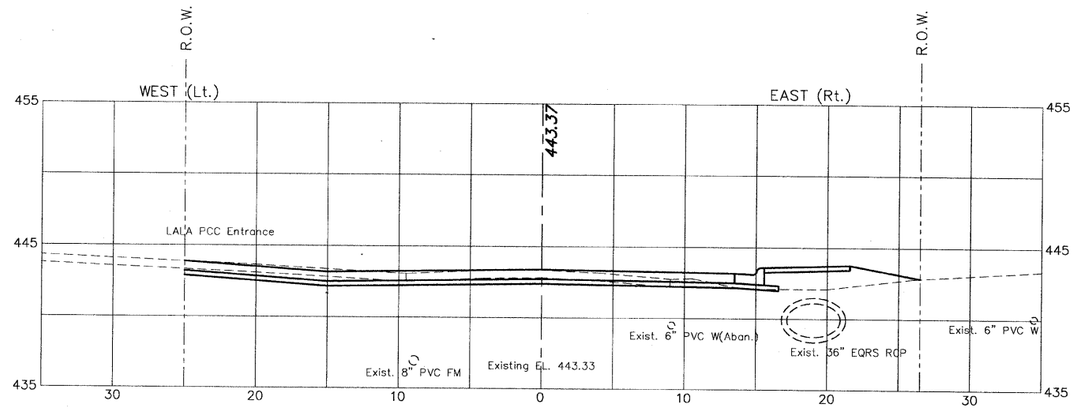
Cut = 2.03 sq. yd.
Fill = 0.27 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

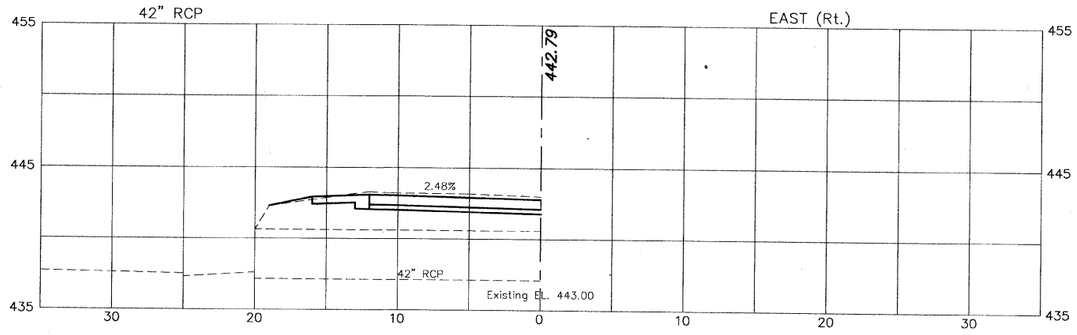
CROSS SECTIONS Sta. 22+50 to Sta. 24+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	34
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

24 + 50

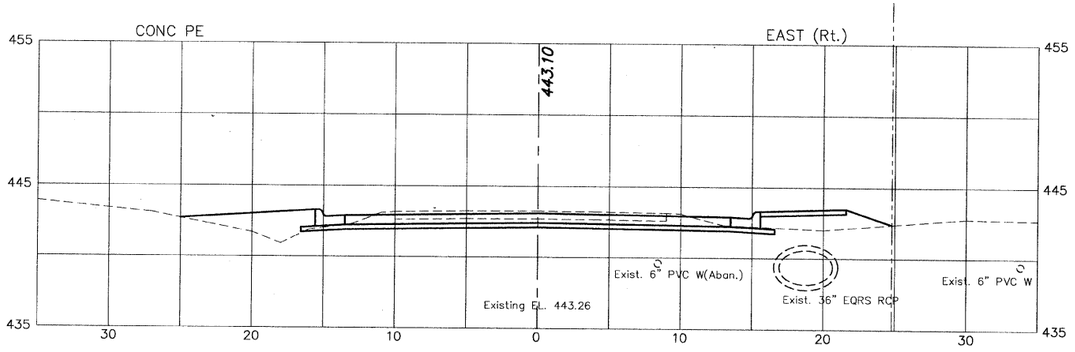


Cut = 1.76 sq. yd.
Fill = 0.34 sq. yd.

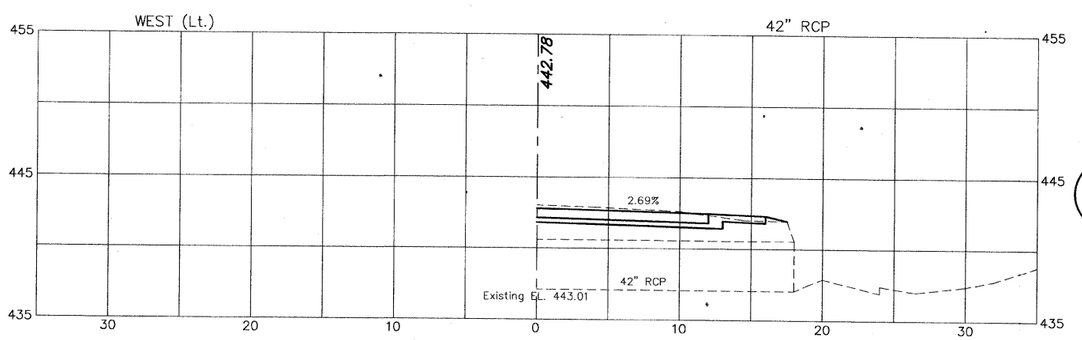


25 + 72

25 + 00

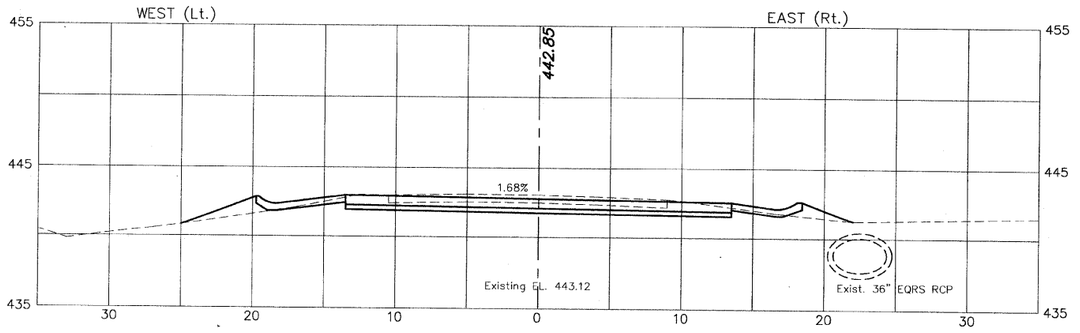


Cut = 2.31 sq. yd.
Fill = 1.49 sq. yd.

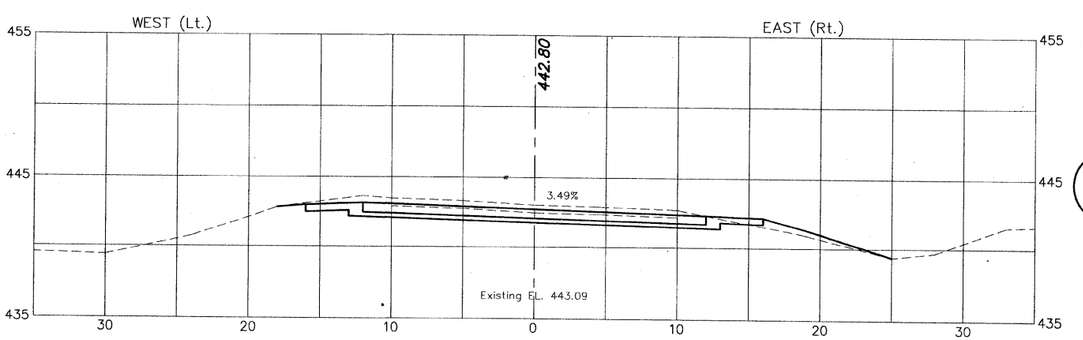


25 + 78

25 + 50



Cut = 2.38 sq. yd.
Fill = 0.61 sq. yd.



26 + 00

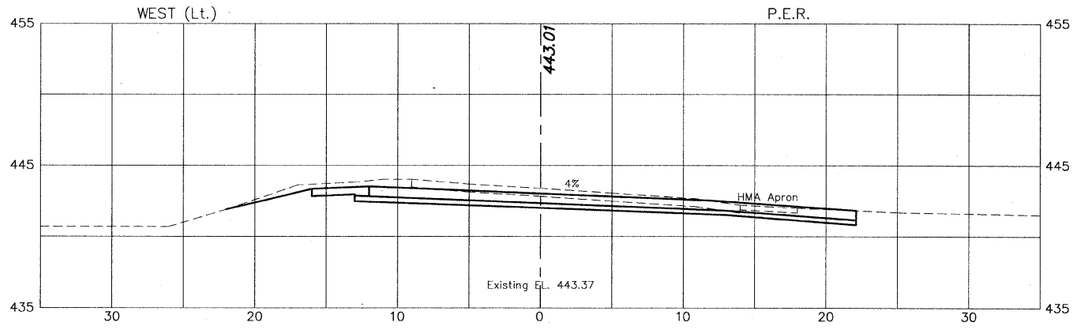
Cut = 2.91 sq. yd.
Fill = 0.32 sq. yd.

BENTON–DuQUOIN STREET

CROSS SECTIONS Sta. 24+50 to Sta. 26+00

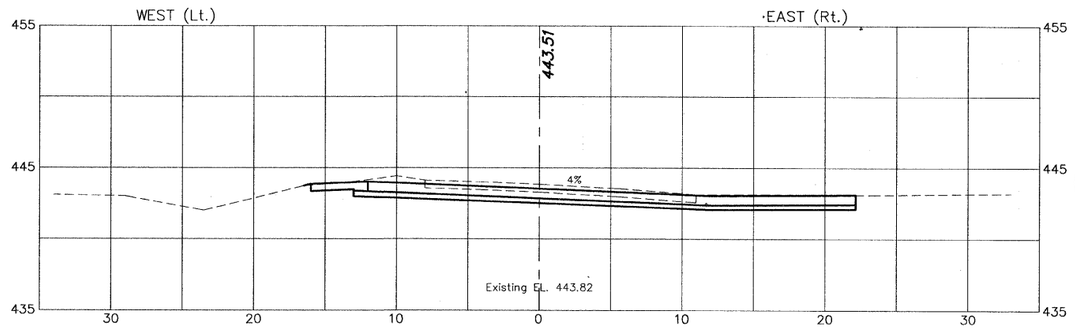
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	35
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

26 + 50



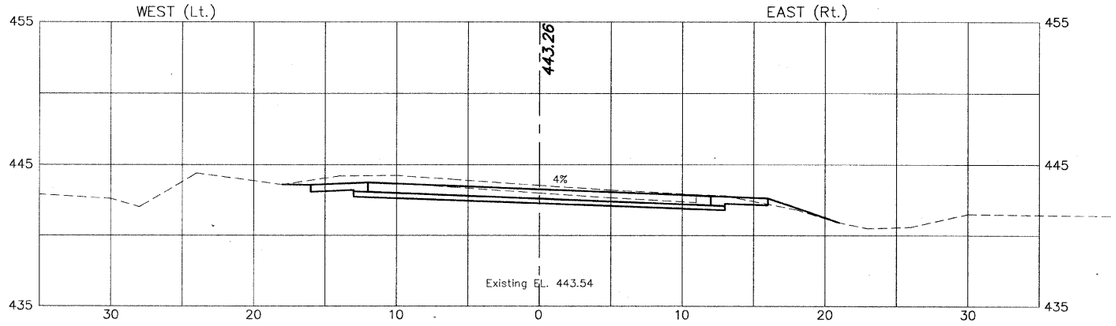
Cut = 3.64 sq. yd.
Fill = 0.00 sq. yd.

27 + 50



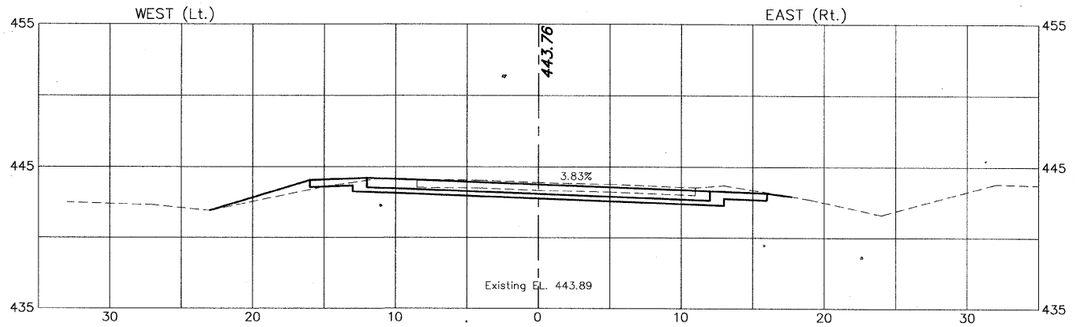
Cut = 3.64 sq. yd.
Fill = 0.00 sq. yd.

27 + 00



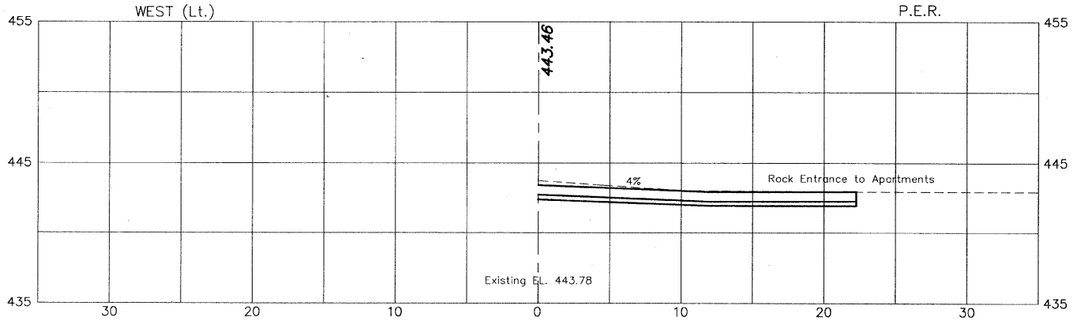
Cut = 2.93 sq. yd.
Fill = 0.08 sq. yd.

28 + 00



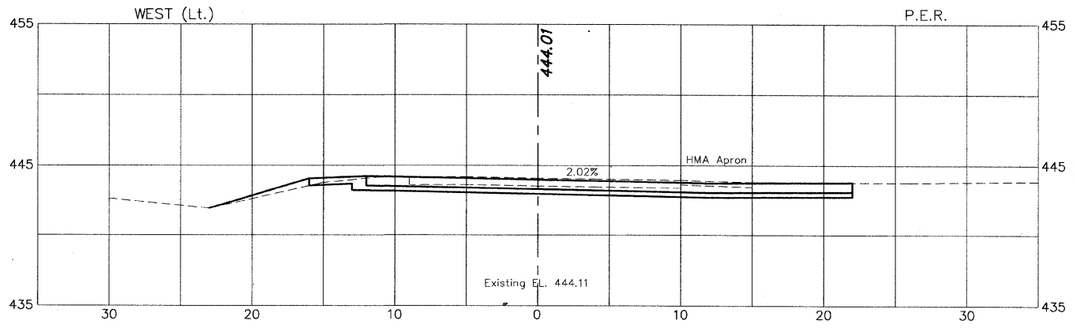
Cut = 2.35 sq. yd.
Fill = 0.27 sq. yd.

27 + 39



Cut = 2.87 sq. yd.
Fill = 0.20 sq. yd.

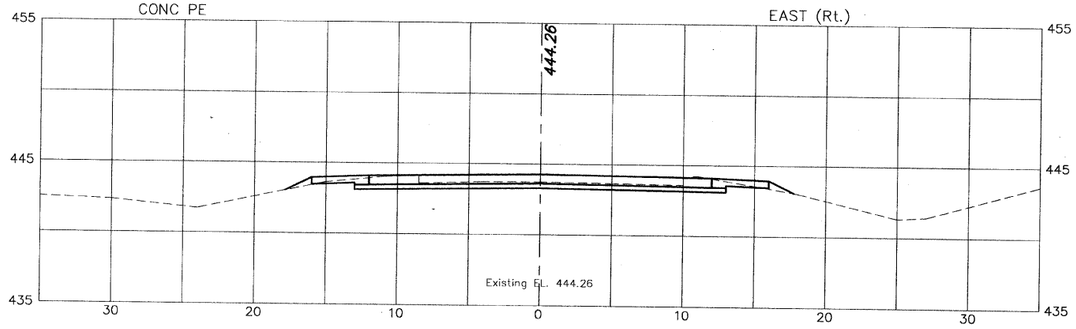
28 + 50



Cut = 2.87 sq. yd.
Fill = 0.20 sq. yd.

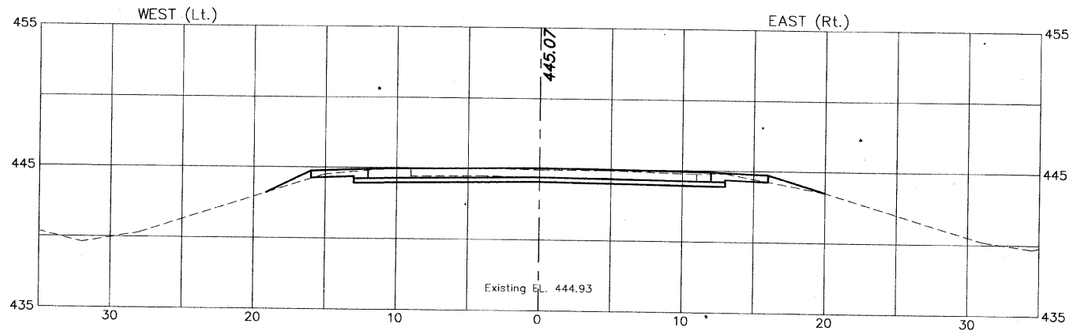
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	36
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

29 + 00



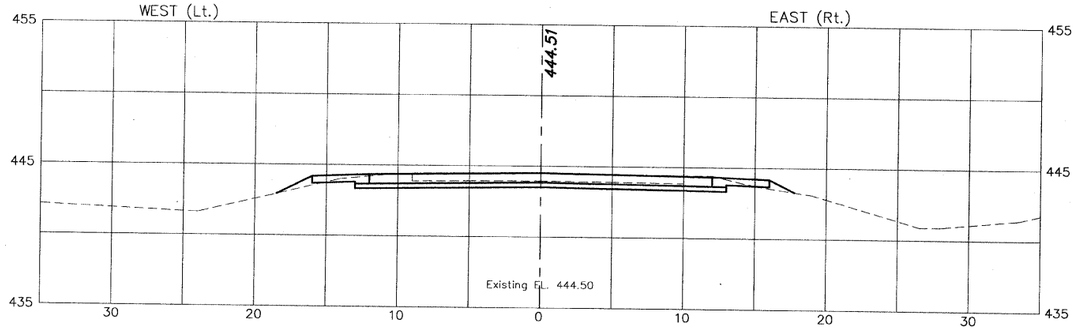
Cut = 1.80 sq. yd.
Fill = 0.11 sq. yd.

30 + 50



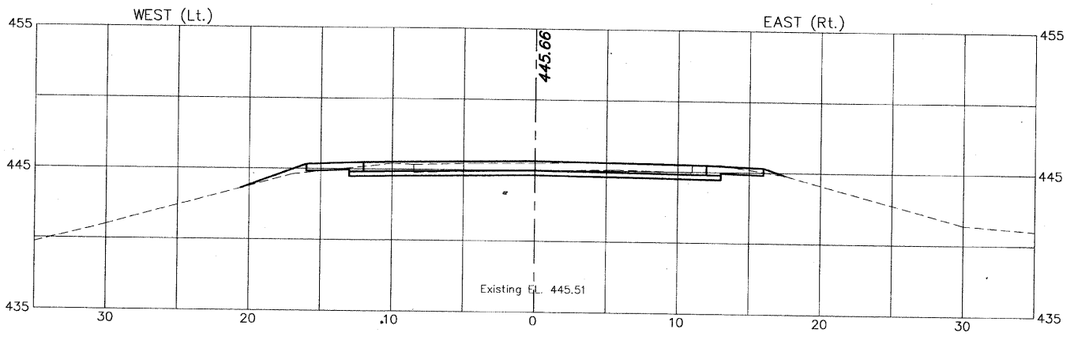
Cut = 1.61 sq. yd.
Fill = 0.20 sq. yd.

29 + 50



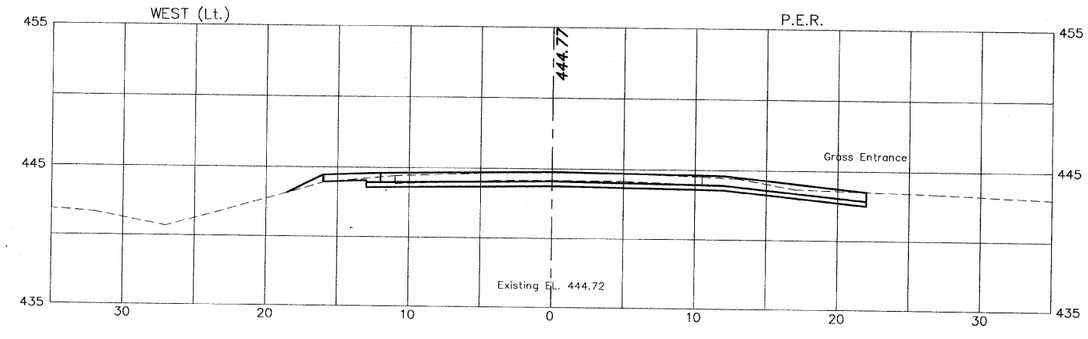
Cut = 1.85 sq. yd.
Fill = 0.16 sq. yd.

31 + 00



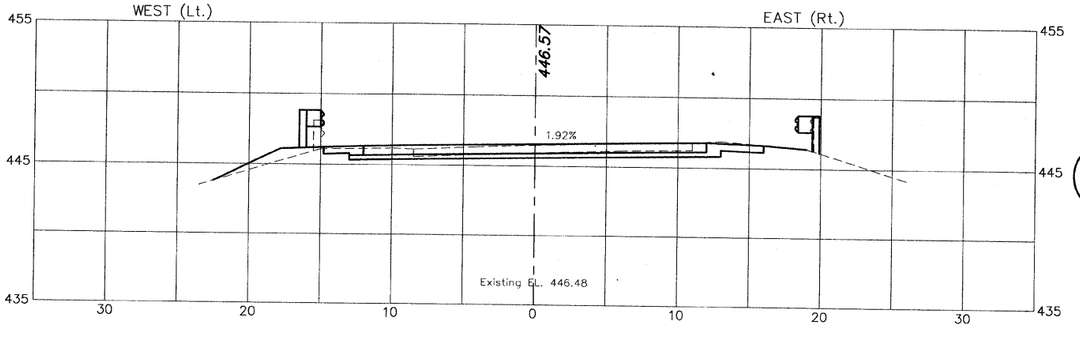
Cut = 1.58 sq. yd.
Fill = 0.15 sq. yd.

30 + 00



Cut = 2.13 sq. yd.
Fill = 0.08 sq. yd.

31 + 50



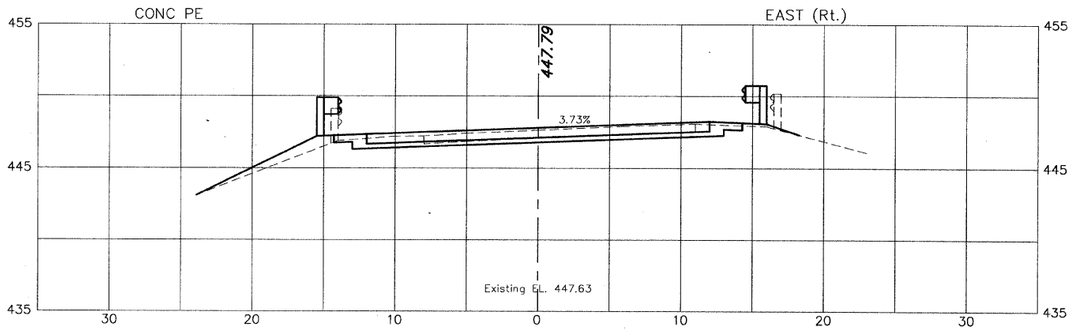
Cut = 1.69 sq. yd.
Fill = 0.38 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

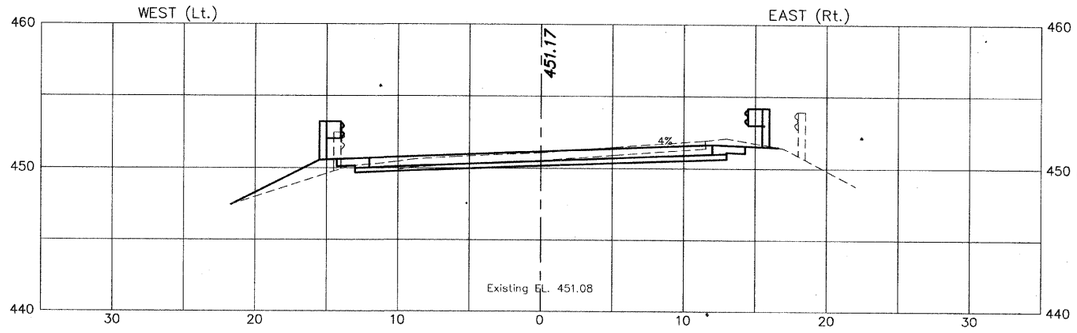
CROSS SECTIONS Sta. 29+00 to Sta. 31+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	37
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

32 + 00



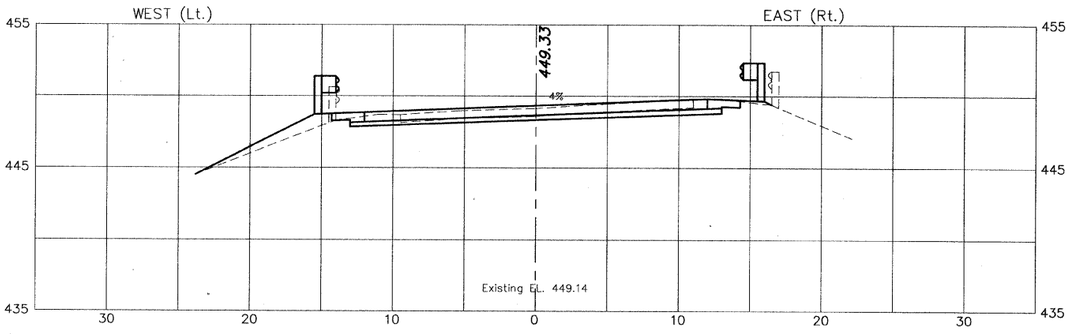
Cut = 1.27 sq. yd.
Fill = 0.56 sq. yd.



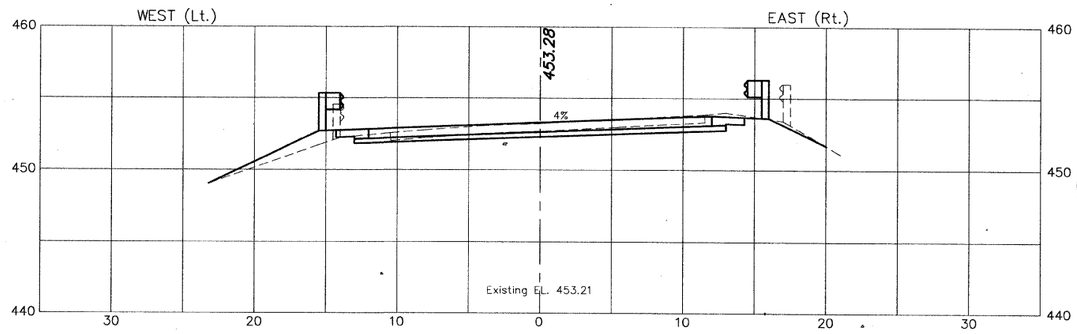
33 + 00

Cut = 1.66 sq. yd.
Fill = 0.51 sq. yd.

32 + 50



Cut = 1.33 sq. yd.
Fill = 0.59 sq. yd.



33 + 50

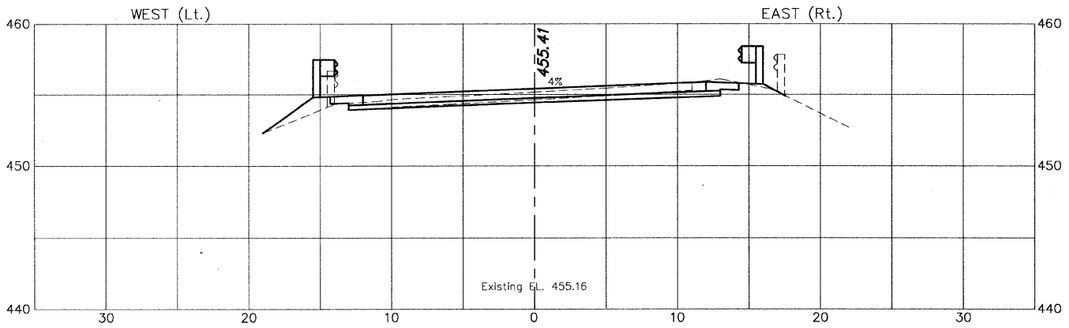
Cut = 1.53 sq. yd.
Fill = 0.52 sq. yd.

CITY OF BENTON–N. DuQUOIN STREET

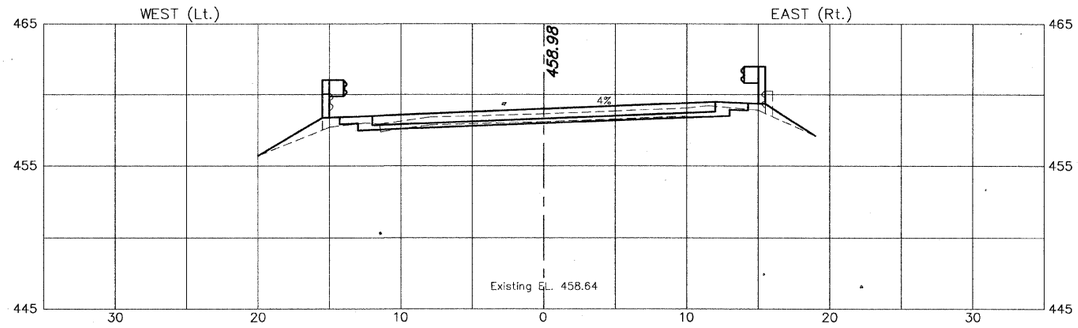
CROSS SECTIONS Sta. 32+00 to Sta. 33+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	38
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

34 + 00



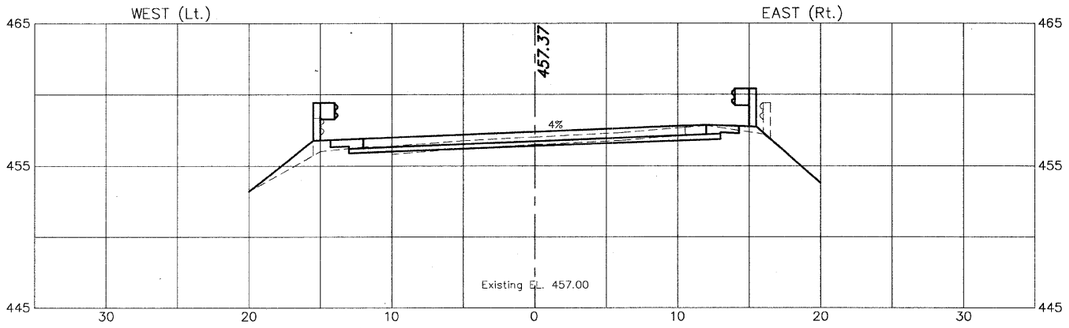
Cut = 1.06 sq. yd.
Fill = 0.37 sq. yd.



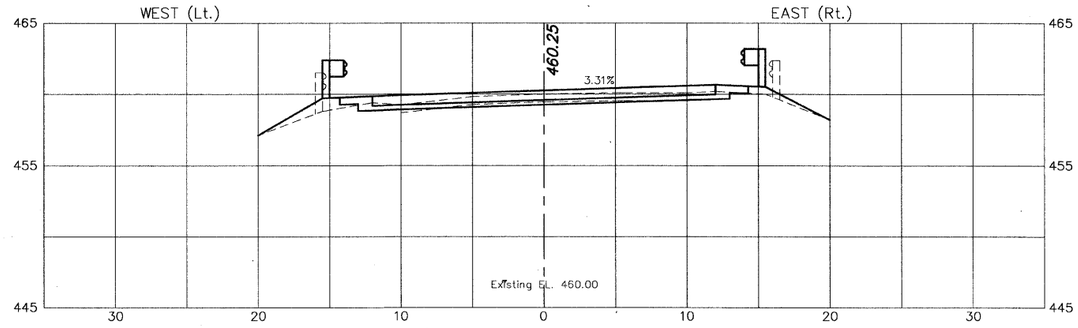
35 + 00

Cut = 0.60 sq. yd.
Fill = 0.52 sq. yd.

34 + 50



Cut = 0.66 sq. yd.
Fill = 0.52 sq. yd.



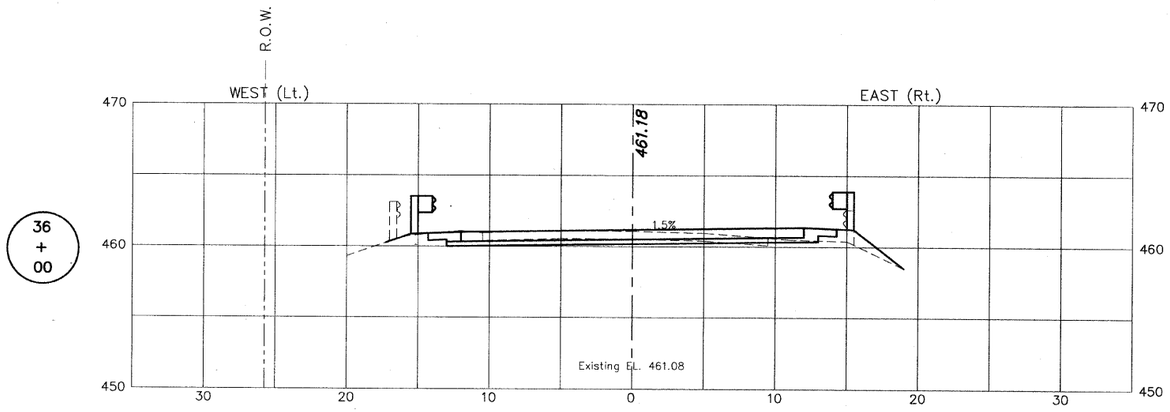
35 + 50

Cut = 0.56 sq. yd.
Fill = 0.59 sq. yd.

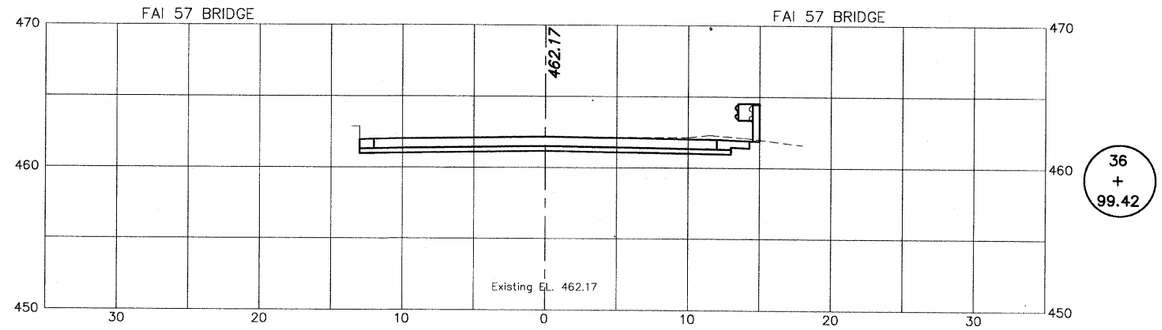
CITY OF BENTON–N. DuQUOIN STREET

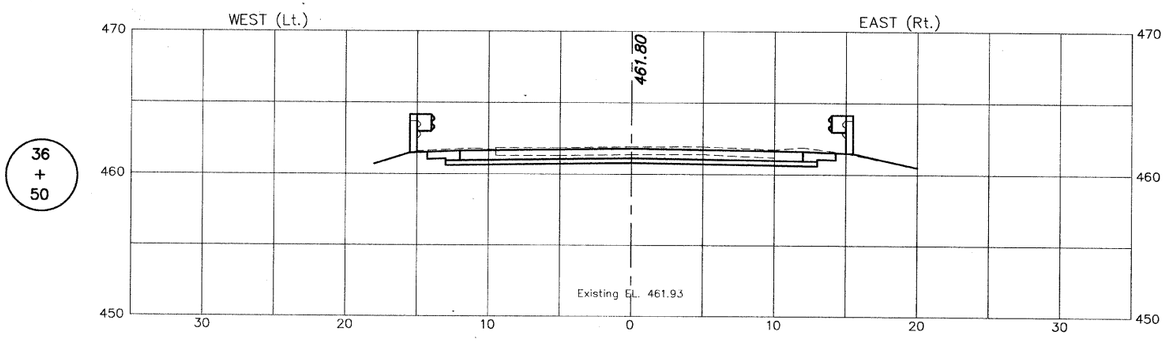
CROSS SECTIONS Sta.34+00 to Sta. 35+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9452	08-00059-00-RP	FRANKLIN	39	39
NORTH DuQUOIN ST.		CONTRACT NO. 99396		

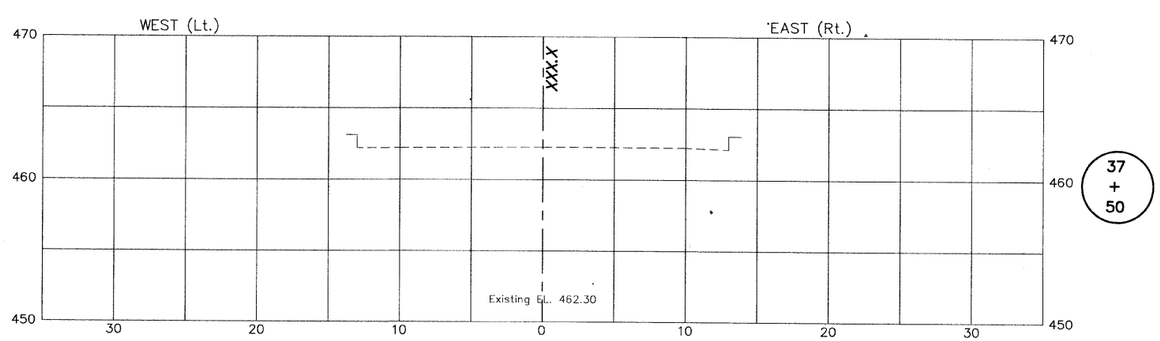


Cut = 1.05 sq. yd.
Fill = 0.42 sq. yd.





Cut = 2.33 sq. yd.
Fill = 0.03 sq. yd.



CITY OF BENTON–N. DuQUOIN STREET

CROSS SECTIONS Sta. 36+00 to Sta. 37+50