



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

February 13, 2014

CALL NO. 101
CONTRACT ID NO. 141204
ADDENDUM # 1

Subject: Pike County, APD 0806 (043)
Letting February 21, 2014

- (1) Added - Plan Sheets - 4, 4a, 12, 12a, 14, 14a, R6, R6a, R8, R8a, R10, & R10a
- (2) Revised - Plan Sheets - R1, R2, R2f, & R6
- (3) Added - Coordination of Work - Page 18(a) of 117
- (4) Added - Special Note - Pages 18(b)-18(c) of 117
- (5) Revised - Special Notes - Pages 23-25(a) of 117
- (6) Added - Wage Rates - Pages 111(a)-111(f) of 117

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Diana Castle Radcliffe".

Diana Castle Radcliffe
Director
Division of Construction Procurement

DR:ks
Enclosures



An Equal Opportunity Employer M/F/D

COORDINATION OF WORK WITH OTHER CONTRACTS

Be advised, there may be an active project(s) adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

1-3193 Coordination Contracts
01/02/2012

**SPECIAL NOTE
FOR
EXISTING BRIDGE USE AND PROTECTION**

**Pike County
US 460 Section 8A
Item No. 12-263.80**

The existing US 460 bridge over Beaver Creek begins at Mainline Station 835+12 EB and Station 835+52 WB and ends at Mainline Station 845+74 EB and Station 845+93 WB.

Prior to use, the Department of Highways will conduct an inspection of the bridge to document its condition. Contractor's representative shall be present during the inspection. Contractor shall contact Kentucky Transportation Cabinet District 12 Office, at least 30 days prior to the beginning of use to arrange for the bridge inspection.

Contractor is responsible to maintain the bridge without damage during the contract period. Contractor shall clean ridge deck drains as necessary to ensure they function properly throughout the contract period.

Once the project is completed, contractor shall return the bridge to the condition documented in the pre-haul inspection. Contractor is responsible to make any and all repairs necessary to return the bridge to its pre-haul condition at the contractor's expense.

105.10 HAULING.

105.10.01 Hauling to Projects. According to Subsections 107.01 and 109.01.05, perform the hauling of materials and all other hauling in conjunction with the construction of a project so as not to violate any of the truck size, gross weight, axle weight, or tire width limitations provided by law or regulation, such as KRS 189.221, KRS and width limitations provided by law or regulation, such as KRS 189.221, KRS all other regulatory statutes relating to the provisions outlined in this section.

105.10.02 Hauling Within Project Limits.

- A) **Grade and Drain Projects.** The Department will not restrict vehicles operating at any phase of grade and drain construction as to any type of equipment or loading except as provided under Subsection 207.03.03 and as specified hereinafter for Hauling over Structures.
- B) **Hauling Over Structures.** Inspect and examine all structures, including drainage structures, existing and newly constructed, to determine whether or not any structure has been damaged before beginning hauling. For damaged structures, request the Department to appraise the existing damage and grant a release, in writing, from liability for the damage disclosed, or otherwise stand liable. Repair all damage to the structure, including joints that may be incurred as a result of the hauling operations, at no expense to the

Department. Submit for the Engineer's review and approval all proposed methods to protect structures prior to the start of hauling.

The Department additionally limits the operation of construction vehicles over structures as follows:

- 1) obtain written approval from the Engineer before any off-highway vehicle is operated, empty or loaded, over a structure;
- 2) do not exceed the design load limits or rated load limits of the structure based on the equipment's tire size, wheel base, axle weight, and axle spacing, without approval from the Engineer;
- 3) consider temporary dead loads of stored materials, stationary equipment, formwork/falsework, etc. when determining the load limits of the structure;
- 4) limit the movement of off-highway construction vehicles across bridges to one-lane operation centrally aligned with the bridge and at intervals between vehicles no less than 100 feet;
- 5) maintain bridge floors free from spilled materials, lumber, or any other impact producing obstruction;
- 6) do not use an earth cushion on bridge;
- 7) prior to hauling construction loads over a bridge, construct temporary approaches 100 feet in length with the 50 feet adjacent to each end of the bridge constructed to the finished grade elevation of the bridge. Maintain temporary ramps and approaches, at the direction of the Engineer, to minimize the impact of moving construction loads onto the highway structure;
- 8) for off-highway construction vehicles on the approaches and bridges, do not exceed speed of 10 mph; and
- 9) protect from overloads, by temporary fill or by other means, culverts, regardless of span, pipe culverts, and other items which are covered or which are to be covered by fill or backfill.

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

PIKE COUNTY/ACAPD 80-6 (15)
FD52 098 51221 06U
YEAGER – VIRGINIA STATE LINE ROAD (US 460)
ITEM NO. – 12-263.80

GENERAL PROJECT NOTE ON UTILITY PROTECTION

AEP TRANSMISSION HAS RELOCATED THEIR FACILITES ON THE SUBJECT PROJECT; LOW WIRE ELEVATIONS ARE LOCATED ON PLAN SHEETS.

NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

AEP TRANSMISSION LINES CROSS CENTERLINE AT APPROXIMATE STATION 869+00. CONTRACTOR SHOULD TAKE EXTREME CAUTION WHEN WORKING NEAR THE RELOCATED LINES SUCH AS USING SMALLER SHOTS. CONTRACTOR SHALL NOT PARK EQUIPMENT DIRECTLY UNDER TRANSMISSION LINES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DONE TO TRANSMISSION LINES DUE TO BLASTING. A MEETING SHALL BE ARRANGED WITH CONTRACTOR AND RESIDENT ENGINEER TO DISCUSS CHANGING "TOP OF CUT" TO AVOID BLASTING UNDER TRANSMISSION LINES. CONTRACTOR SHALL ARRANGE THIS MEETING PRIOR TO WORKING WITHIN 100 FEET OF THE TRANSMISSION LINES. CONTRACTOR IS REQUIRED TO INVITE CRAIG WALTERS, LOCAL CREW SUPERVISOR, 606-437-3828, KEVIN JESSEE, ALTERNATE CONTACT, 276-326-4723, AND RICK VANCE, CELL NUMBER 304-564-7364, TO ANY MEETINGS CONCERNING WORKING NEAR THE TRANSMISSION LINES.

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

N/A

AT&T KY IS IN THE PROCESS OF RELOCATING THE TELEPHONE LINES, EXPECTED DATE OF COMPLETION 8/7/2014. KY POWER COMPANY IS IN THE PROCESS OF RELOCATING THE POWER LINES, EXPECTED DATE OF COMPLETION 8/7/2014. SUDDENLINK COMMUNICATIONS IS IN THE PROCESS OF RELOCATING THE CABLE TV LINES, EXPECTED DATE OF COMPLETION 8/7/2014. CONTRACTOR CANNOT REQUEST DELAY TIME DUE TO THESE LINES. CONTRACTOR CAN CALL THE UTILITY CONTACTS BELOW TO HAVE THE LINES TAKEN OUT SOONER BUT IT WILL BE AT THE CONTRACTOR'S EXPENSE.

The Department will consider submission of a bid as the Contractor's agreement to not make any claims for additional compensation due to delays or other conditions created by the operations of KY POWER COMPANY, AT&T KY TELEPHONE COMPANY AND SUDDENLINK COMMUNICATIONS. Working days will not be charged for those days on which work on the aforementioned companies facilities is delayed, as provided in the current edition of the KY Standard Specifications for Road and Bridge Construction. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to the project, the KYTC Resident Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

PIKE COUNTY/ACAPD 80-6 (15)
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ITEM NO. – 12-263.80

harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor..

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

N/A

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

PIKE COUNTY/ACAPD 80-6 (15)
FD52 098 51221 06U
YEAGER – VIRGINIA STATE LINE ROAD (US 460)
ITEM NO. – 12-263.80

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

N/A

SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

BEFORE YOU DIG

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

PIKE COUNTY/ACAPD 80-6 (15)
FD52 098 51221 06U
YEAGER – VIRGINIA STATE LINE ROAD (US 460)
ITEM NO. – 12-263.80

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
KY POWER COMPANY	BILL JOHNSON	606-437-3823
SUDDENLINK COMMUNICATIONS	DAVE CYFERS	304-533-9256
AT&T KY TELEPHONE	JACK SALYERS	606-874-2715
AEP TRANSMISSION	DAN HARTON	540-562-7039
AEP TRANSMISSION	CRAIG WALTERS	606-437-3828
AEP TRANSMISSION	KEVIN JESSEE	276-326-4723
AEP TRANSMISSION	RICK VANCE	304-564-7364

KENTUCKY LABOR CABINET
PREVAILING WAGE DETERMINATION
CURRENT REVISION
HIGHWAY CONSTRUCTION LOCALITY NO. II

Determination No. CR-13-II-HWY

Project No.
Highway

Date of Determination: April 15, 2013

This schedule of the prevailing rate of wages for Locality No. II including the counties of ADAIR, BARREN, BELL, BREATHITT, CASEY, CLAY, CLINTON, CUMBERLAND, ESTILL, FLOYD, GARRARD, GREEN, HARLAN, HART, JACKSON, JOHNSON, KNOTT, KNOX, LAUREL, LAWRENCE, LEE, LESLIE, LETCHER, LINCOLN, MCCREARY, MAGOFFIN, MARTIN, MENIFEE, METCALFE, MONROE, MORGAN, OWSLEY, PERRY, PIKE, POWELL, PULASKI, ROCKCASTLE, RUSSELL, TAYLOR, WAYNE, WHITLEY, and WOLFE has been determined in accordance with the provisions of KRS 337.505 to 337.550. This determination shall be referred to as Prevailing Wage Determination No. CR-13-II-HWY.

The following schedule of rates is to be used for highway construction projects advertised or awarded by the Kentucky Transportation Cabinet. This includes any contracts for the relocation of any utilities or other incidental construction projects advertised or awarded by public authorities as a result of the highway construction project.

Apprentices or trainees shall be permitted to work in accordance with Administrative Regulations adopted by the Commissioner of the Department of Workplace Standards. Copies of these regulations will be furnished upon request to any interested person.

Overtime is to be computed at not less than one and one-half (1 1/2) times the indicated BASE RATE for all hours worked in excess of eight (8) hours per day, or in excess of forty (40) hours per week. However, KRS 337.540 permits an employee and employer to agree, in writing, that the employee will be compensated at a straight time base rate for hours worked in excess of eight (8) hours in any one calendar day, but not more than ten (10) hours worked in any one calendar day, if such written agreement is prior to the over eight (8) hours in a calendar day actually being worked, or where provided for in a collective bargaining agreement. The fringe benefit rate is to be paid for each hour worked at a straight time rate for all hours worked. Fringe benefit amounts are applicable for all hours worked except when otherwise noted. Welders will receive rate for craft in which welding is incidental.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.



Michael Donta, Deputy Commissioner
Department of Workplace Standards

<u>CLASSIFICATIONS</u>	<u>RATE AND FRINGE BENEFITS</u>	
BOILERMAKERS:	BASE RATE	\$24.65
	FRINGE BENEFIT	12.94
<hr/>		
BRICKLAYERS:		
Bricklayers:	BASE RATE	\$22.90
	FRINGE BENEFITS	8.50
Stone Mason:	BASE RATE	\$21.50
	FRINGE BENEFITS	8.50
<hr/>		
CARPENTERS:		
Carpenters:	BASE RATE	\$24.15
	FRINGE BENEFITS	13.50
Piledrivers:	BASE RATE	\$23.80
	FRINGE BENEFITS	13.50
<hr/>		
CEMENT MASONS:	BASE RATE	\$21.25
	FRINGE BENEFITS	8.50
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ELECTRICIANS:	*BASE RATE	\$29.36
	FRINGE BENEFITS	10.55
*When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to a direct fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.		
LINEMAN:	*BASE RATE	\$30.09
	FRINGE BENEFITS	10.94
EQUIPMENT OPERATOR:	*BASE RATE	\$26.90
	FRINGE BENEFITS	10.31
GROUNDSMAN:	*BASE RATE	\$17.79
	FRINGE BENEFITS	8.51
<hr/>		
IRONWORKERS:	BASE RATE	\$ 26.34
	FRINGE BENEFITS	18.84

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

LABORERS:

GROUP 1: Aging and curing of concrete (any mode or method), asbestos abatement worker, asphalt plant laborers, asphalt laborers; batch truck dumpers; carpenter tenders, cement mason tenders, cleaning of machines, concrete laborers, demolition laborers, dredging laborers, drill helper, environmental laborer - nuclear, radiation, toxic and hazardous waste – Level D, flagmen, grade checkers, all hand digging and hand back filling, highway marker placers, landscaping laborers, mesh handlers and placers, puddler, railroad laborers, rip-rap and grouters, right of way laborers, sign, guard rail and fence installers (all types), signalmen, sound barrier installer, storm and sanitary sewer laborers, swampers, truck spotters and dumpers, wrecking of concrete forms, general cleanup:

HEAVY & HIGHWAY	BASE RATE	\$21.15
	FRINGE BENEFITS	11.41

GROUP 2: Batter board men (sanitary and storm sewer), brickmason tenders, mortar mixer operator, scaffold builders, burner and welder, bushammers, chain saw operator, concrete saw operators, deckhand scow man, dry cement handlers, environmental laborers – nuclear, radiation, toxic and hazardous waste – Level C, forklift operators for masonry, form setters, green concrete cutting, hand operated grouter and grinder machine operator, jack hammers, lead paint abatement, pavement breakers, paving joint machine, pipe layers – laser operators (non-metallic), plastic pipe fusion, power driven Georgia buggy and wheel barrow, power post hole diggers, precast manhole setters, walk-behind tampers, walk-behind trenchers, sand blasters, concrete chippers, surface grinders, vibrator operators, wagon drillers:

HEAVY & HIGHWAY	BASE RATE	\$21.40
	FRINGE BENEFITS	11.41

GROUP 3: Air track driller (all types), asphalt luteman and rakers, gunnite nozzleman, gunnite operators and mixers, grout pump operator, powderman and blaster, side rail setters, rail paved ditches, screw operators, tunnel laborers (free air), and water blasters:

HEAVY & HIGHWAY	BASE RATE	\$21.45
	FRINGE BENEFITS	11.41

GROUP 4: Caisson workers (free air), cement finishers, environmental laborer – nuclear, radiation, toxic and hazardous waste – Level A and B, miners and drillers (free air), tunnel blasters, and tunnel mockers (free air), directional and horizontal boring, air track drillers (all types), powder man and blasters, troxler and concrete tester if laborer is utilized:

HEAVY & HIGHWAY	BASE RATE	\$22.05
	FRINGE BENEFITS	11.41

OPERATING ENGINEERS:

Group A-1:

NCCCO or OECF Certified; Crane, dragline, hoist (1 drum when used for stack or chimney construction or repair), hoisting engineer (2 or more drums), orangepeel, overhead crane, piledriver, truck crane, tower crane, hydraulic crane:

BASE RATE	\$28.40
FRINGE BENEFITS	13.40

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

Group A:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (earth), roller (rock), scarifier, shovel, tractor shovel, truck crane, well points, winch truck, push dozer, grout pump, high lift, fork lift (regardless of lift height), all types of boom cats, multiple operator, core drill, tow or push boat, A-Frame winch truck, concrete paver, gradeall, hoist, hyster, material pump, pumpcrete, ross carrier, sheepfoot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoopmobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller guries, self-propelled compactor, self-contained hydraulic percussion drill:

BASE RATE \$27.35
FRINGE BENEFITS 13.40

Group B:

All air compressors (200 cu. ft. per min. or greater capacity), bituminous mixer, concrete mixer (under 21 cu. ft.), welding machine, form grader, tractor (50 H.P. and over), bull float, finish machine, outboard motor boat, brakeman, mechanic helper, whirly oiler, tractair and road widening trencher, articulating trucks:

BASE RATE \$24.87
FRINGE BENEFITS 13.40

Group B2:

Greaser on grease facilities servicing heavy equipment:

BASE RATE \$25.26
FRINGE BENEFITS 13.40

Group C:

Bituminous distributor, cement gun, conveyor, mud jack, paving joint machine, pump, tamping machine, tractors (under 50 H.P.), vibrator, oiler, air compressors (under 200 cu. ft. per min. capacity), concrete saw, burlap and curing machine, hydro seeder, power form handling equipment, deckhand oiler, hydraulic post driver:

BASE RATE \$24.60
FRINGE BENEFITS 13.40

PAINTERS:

All Excluding Bridges:

BASE RATE \$19.92
FRINGE BENEFITS 9.57

Bridges:

BASE RATE \$23.92
FRINGE BENEFITS 10.07

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

PLUMBERS:

BASE RATE \$22.52
FRINGE BENEFITS 7.80

SHEET METAL:

BASE RATE \$20.40
FRINGE BENEFITS 7.80

TRUCK DRIVERS:

Truck helper and warehouseman:

BASE RATE \$22.45
FRINGE BENEFITS 13.50

Driver, winch truck and A-Frame when used in transporting materials:

BASE RATE \$22.55
FRINGE BENEFITS 13.50

Driver, (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor:

BASE RATE \$22.65
FRINGE BENEFITS 13.50

Driver on mixer trucks (all types):

BASE RATE \$22.70
FRINGE BENEFITS 13.50

Truck mechanic:

BASE RATE \$22.75
FRINGE BENEFITS 13.50

Driver (3 tons and under), tire changer and truck mechanic helper:

BASE RATE \$22.78
FRINGE BENEFITS 13.50

Driver on pavement breakers:

BASE RATE \$22.80
FRINGE BENEFITS 13.50

Driver (over 3 tons), driver (truck mounted rotary drill):

BASE RATE \$22.99
FRINGE BENEFITS 13.50

Driver, Euclid and other heavy earth moving equipment and Low Boy:

BASE RATE \$23.56
FRINGE BENEFITS 13.50

Greaser on greasing facilities:

BASE RATE \$23.65
FRINGE BENEFITS 13.50

Kentucky Determination No. CR-13-II-HWY dated April 15, 2013

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.

These rates are listed pursuant to the Kentucky Determination No. CR-13-II-HWY dated April 15, 2013. Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contract or shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

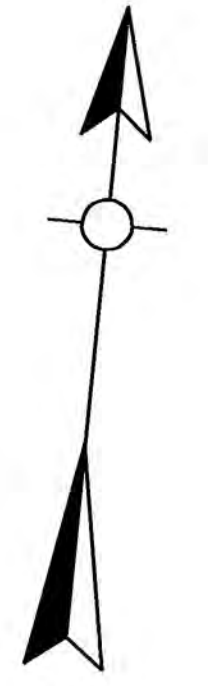
The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the numbers of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wage. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or to the undersigned.

Diana Castle Radcliffe, P.E.
Director, Division of Construction Procurement
Frankfort, Kentucky 40622

12-263.80



DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
847+00 TO 849+50	NORMAL DT.	NATURAL ROCK	-	-	-

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
839+00 TO 844+50	2' F.B. SPEC. DT.	CLASS IV	0.0 TONS	2.0'	2.0'
844+50 TO 845+50	2' F.B. SPEC. DT.	NATURAL ROCK	-	-	-
845+50 TO 849+50	NORMAL DT.	NATURAL ROCK	-	-	-

P.I. 849+91.80
 D = 81° 52' 08" Rt.
 C = 1° 08' 45"
 Ts = 4476.96'
 Ls = 280.00'
 Lc = 6864.40'
 f = 1° 36' 15"
 L.T. = 186.67'
 S.T. = 93.34'
 R = 5000.00'
 Es = 1619.35'
 e = 3.40%
 Runoff = SEE CROSS SECTIONS
 Runout = SEE CROSS SECTIONS
 Design Speed = 60 mph

LT. STA. 846+85.00 TO
 LT. STA. 849+50.00
 CONST. 266 L.F. ~ STEEL
 "W" BEAM GUARDRAIL &
 (1) GUARDRAIL CONNECTOR
 TO BRIDGE END TYPE A

STA. 000+00.00 TO STA. 846+92.3
 CONST. 000.0 L.F. ~ STD. CONCRETE
 MEDIAN BARRIER TYPE 14C1

STA. 847+17.3 TO STA. 848+92.4
 CONST. 175.1 L.F. ~ STD. CONCRETE
 MEDIAN BARRIER TYPE 14C1

STA. 849+17.4 TO STA. 849+50.0
 CONST. 32.6 L.F. ~ STD. CONCRETE
 MEDIAN BARRIER TYPE 14C1

RT. STA. 845+77.00 TO
 RT. STA. 847+77.00
 CONST. 195 L.F. ~ STEEL
 "W" BEAM GUARDRAIL &
 (1) GUARDRAIL END TREATMENT
 TYPE 2A & (1) GUARDRAIL CONNECTOR
 TO BRIDGE END TYPE A-1

RIGHT OF WAY PLANS

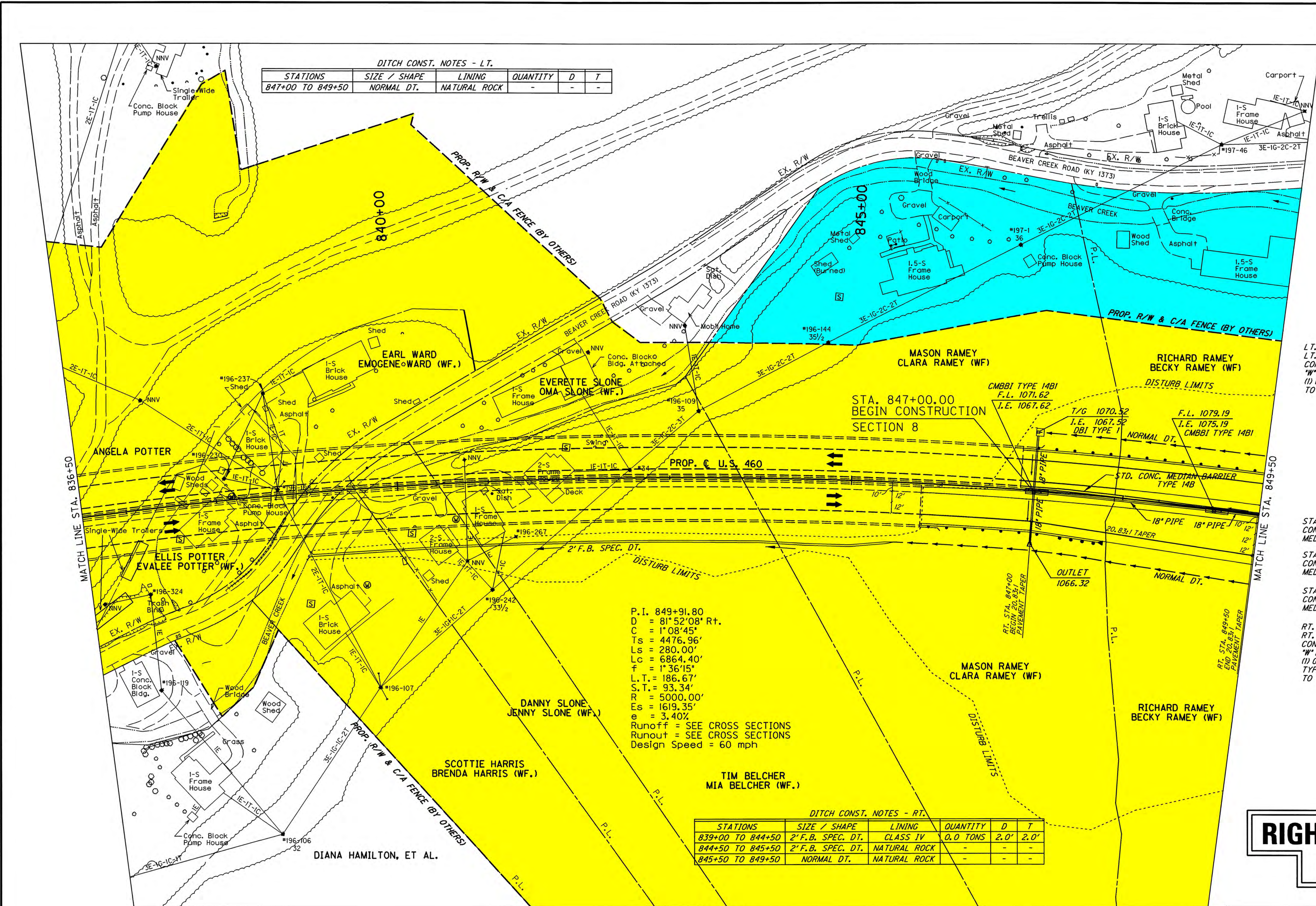
US 460
 STA. 836 + 50 TO STA. 849 + 50
 SCALE : 1"=50'

MATCH LINE SHEET 4A

PREPARED BY: DATE
 CHECKED BY: DATE
 APPROVED BY: DATE

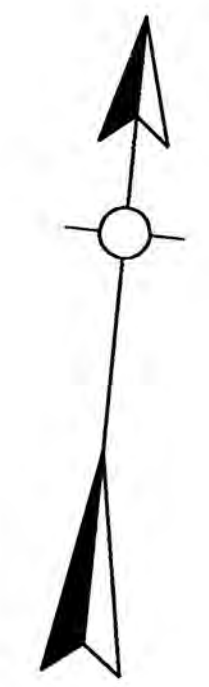
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 or 139106\Maintenance\Plans\83650.dwg

VENDORS NAME
 I-92
 FORM NO. 2

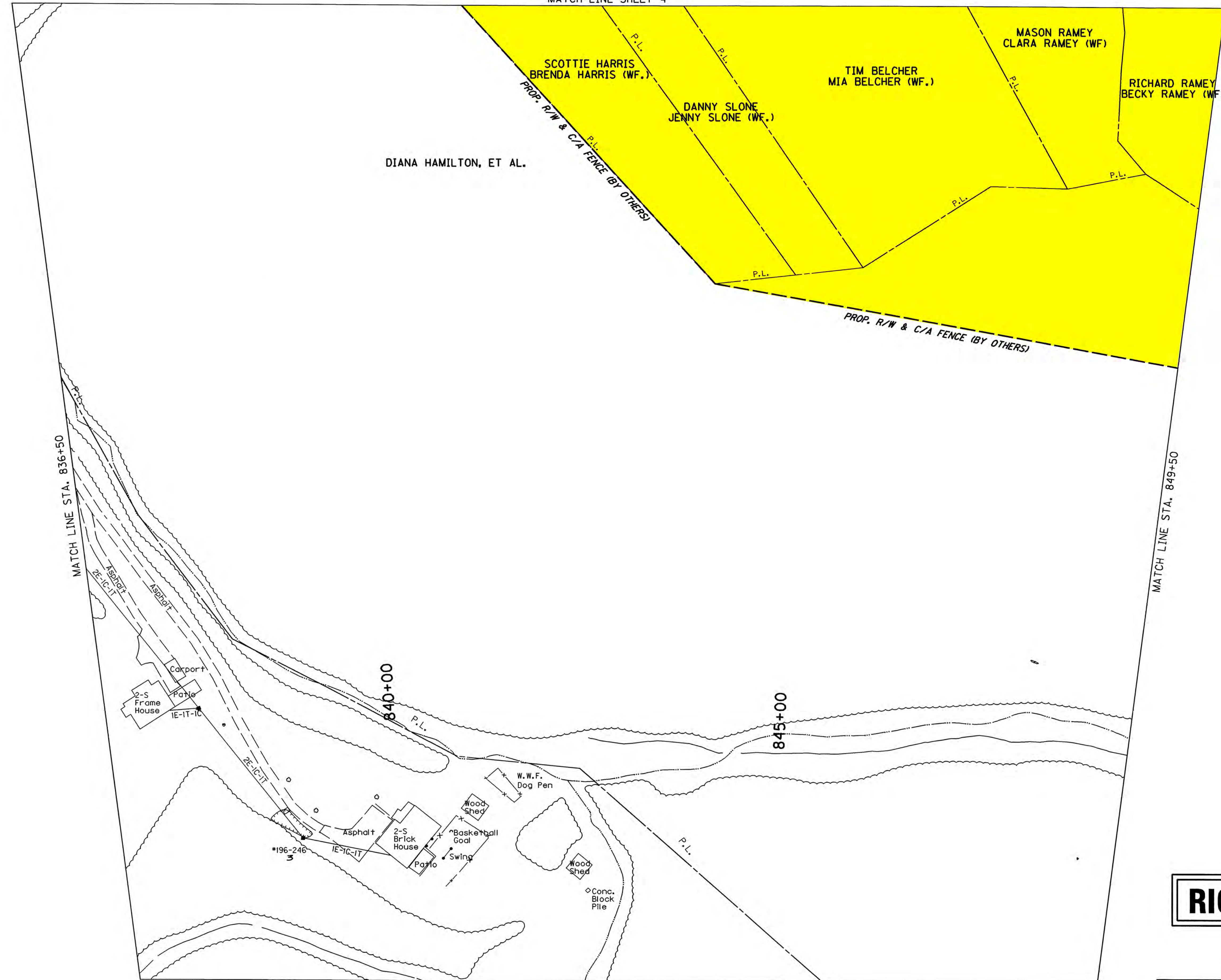


COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
PIKE	2003	4A	36

12-263.80



MATCH LINE SHEET 4



RIGHT OF WAY PLANS

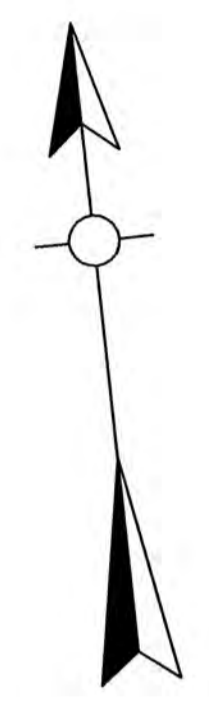
US 460
STA. 836 + 50 TO STA. 849 + 50
SCALE : 1"=50'

PREPARED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

Cell Library: roadway.cel
 Cell Name: sp
 U:\99106\Maintenance\Plans\83650a.dgn

VENDOR'S NAME
 I-92
 FORM NO. 2

REVISED PLAN DATE: 1-14-08



DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
888+50 TO 891+00	2' F.B. SURF. DT.	CLASS IV	0.0 TONS	2.0'	2.0'
891+00 TO 901+50	NORMAL DITCH	NATURAL ROCK	-	-	-

LT. STA. 888+50 TO LT. STA. 890+92.99
CONST. 261 L.F. WOVEN WIRE FENCE TYPE I

LT. STA. 891+47.62 TO LT. STA. 901+50
CONST. 1,003 L.F. WOVEN WIRE FENCE TYPE I

P.I. 888+54.63
D = 30°43'10" Lt.
C = 2°51'53"
Ts = 689.80'
Ls = 280.00'
Lo = 792.31'
f = 4°00'39"
L.T. = 186.71'
S.T. = 93.38'
R = 2000.00'
Es = 75.78'
e = 6.90%
Runoff = 280.00'
Runout = 81.20'
Design Speed = 60 mph

WATER WELLS

STATION	OFFSET	NOTE
889+45.20	RT 45.04'	PLUG & CAP

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
888+50 TO 892+00	2' F.B. SURF. DT.	CLASS IV	0.0 TONS	2.0'	2.0'
892+00 TO 893+00	2' F.B. SPEC. DT.	CLASS IV	0.0 TONS	2.0'	2.0'
893+00 TO 901+50	NORMAL DITCH	NATURAL ROCK	-	-	-
892+00	2' F.B. OUTLET DT.	CLASS IV	0.0 TONS	1.0'	2.0'

RT. STA. 893+40 TO LT. STA. 893+40
CONST. 160' ~ 4" PERFORATED PIPE

STA. 892+00 TO STA. 893+40
CONST. 137' ~ 4" NON-PERFORATED PIPE

RT. STA. 888+50.00 TO RT. STA. 890+93.94
CONST. 291 L.F. WOVEN WIRE R/W FENCE TYPE I

RT. STA. 891+44.45 TO RT. STA. 893+15.5
CONST. 208 L.F. WOVEN WIRE R/W FENCE TYPE I

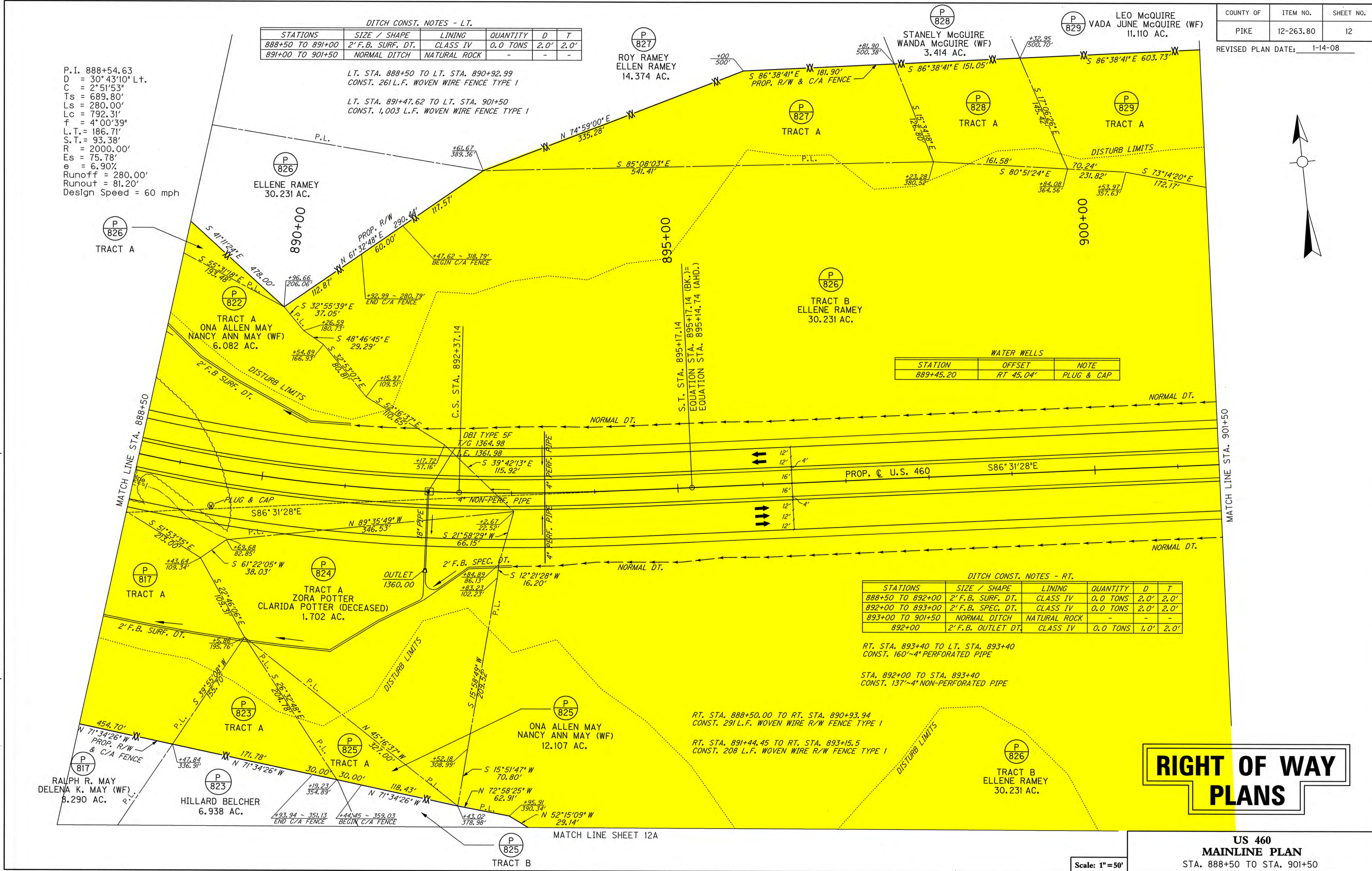
RIGHT OF WAY PLANS

US 460
MAINLINE PLAN
STA. 888+50 TO STA. 901+50

Scale: 1" = 50'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

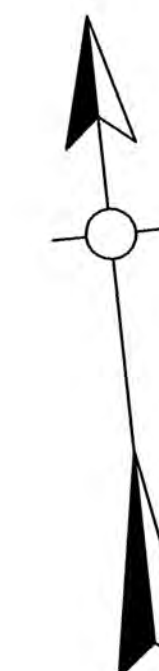
Cell Library: roadway cel
Cell Name: sp
DD-MMM-YYYY HH:MM
VENDORS NAME
1-92
FORM NO. 2



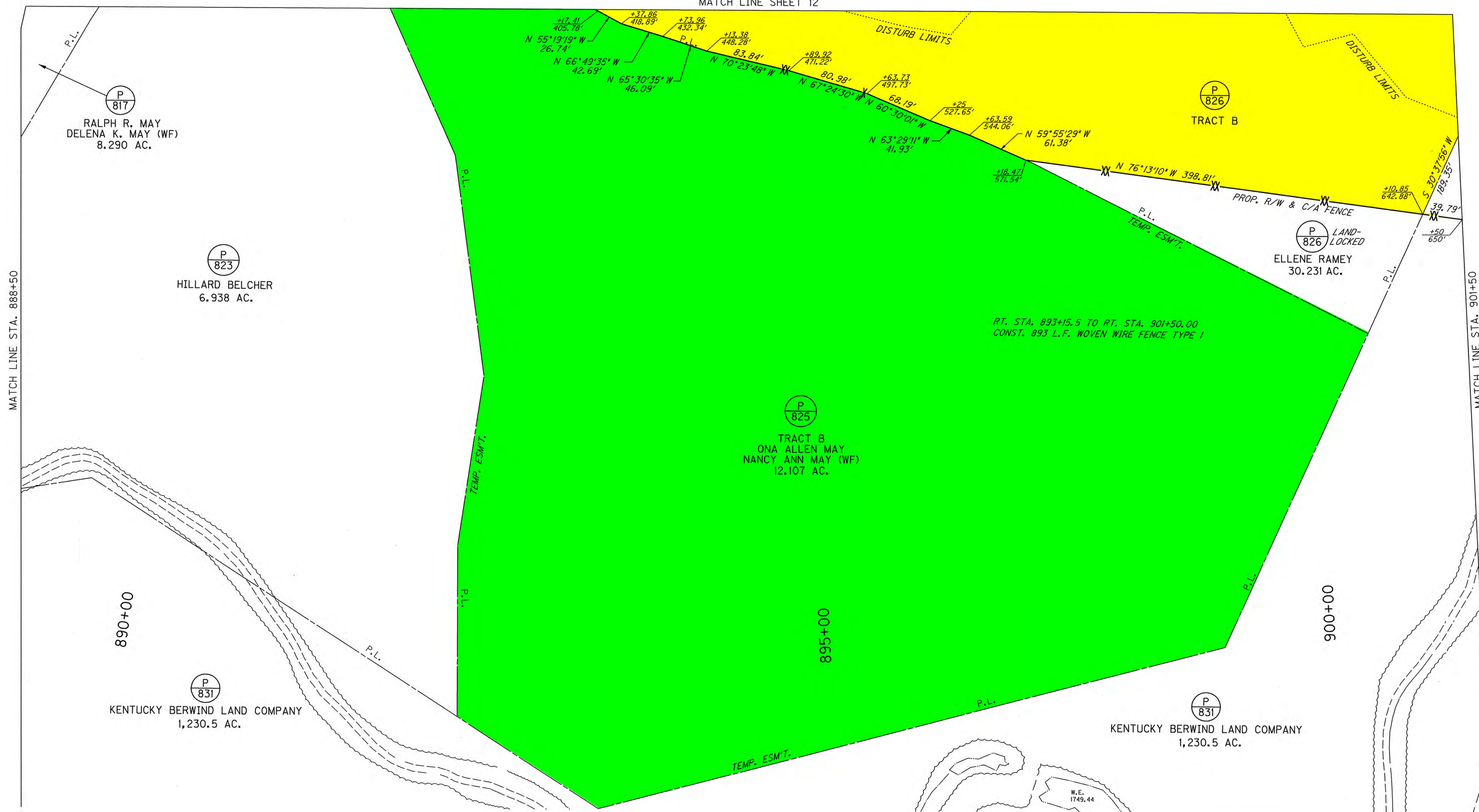
MATCH LINE SHEET 12A

MATCH LINE STA. 888+50

MATCH LINE STA. 901+50



MATCH LINE SHEET 12



PREPARED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

Cell Library: roadway.cel
 Cell Name: sp
 DD-MM-YYYY HH:MM

VENDORS NAME
 1-92
 FORM NO. 2

RIGHT OF WAY PLANS

Scale: 1"=50'

**US 460
MAINLINE PLAN**
 STA. 888+50 TO STA. 901+50

12-263.80

DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
901+50 TO 914+00	NORMAL DITCH	NATURAL ROCK	-	-	-
914+00 TO 914+50	2' F.B. SPEC. DT.	CLASS IV	0.0 TONS	2.0'	2.0'

LT. STA. 901+50 TO LT. STA. 914+50
CONST. 1,662 LF. WOVEN WIRE R/W FENCE TYPE I

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
901+50 TO 902+00	NORMAL DITCH	NATURAL ROCK	-	-	-
902+00 TO 903+00	2' F.B. SPEC. DT.	NATURAL ROCK	-	-	-
903+00 TO 913+00	NORMAL DITCH	NATURAL ROCK	-	-	-
913+00 TO 914+50	2' F.B. SPEC. DT.	CLASS IV	0.0 TONS	2.0'	2.0'

RT. STA. 912+40 TO LT. STA. 912+40
CONST. 142'-4" PERFORATED PIPE

RT. STA. 911+50 TO RT. STA. 912+40
CONST. 90'-4" PERFORATED PIPE

RT. STA. 911+50 CONST. 8'-4"
NON-PERF. PIPE & (1)-PERF. HDWL.
TYPE 4-4 INCH

RIGHT OF WAY PLANS

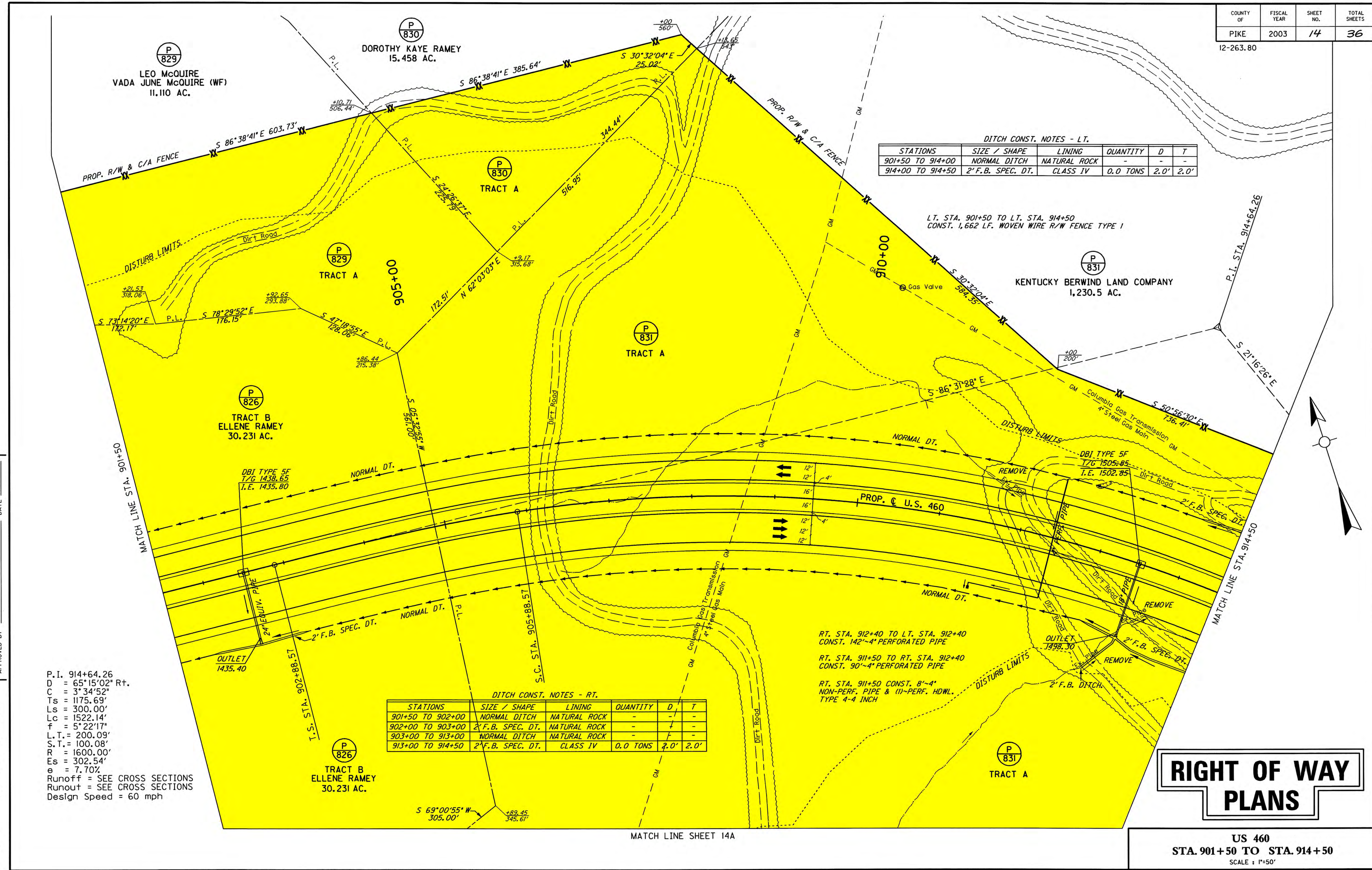
US 460
STA. 901+50 TO STA. 914+50
SCALE: 1"=50'

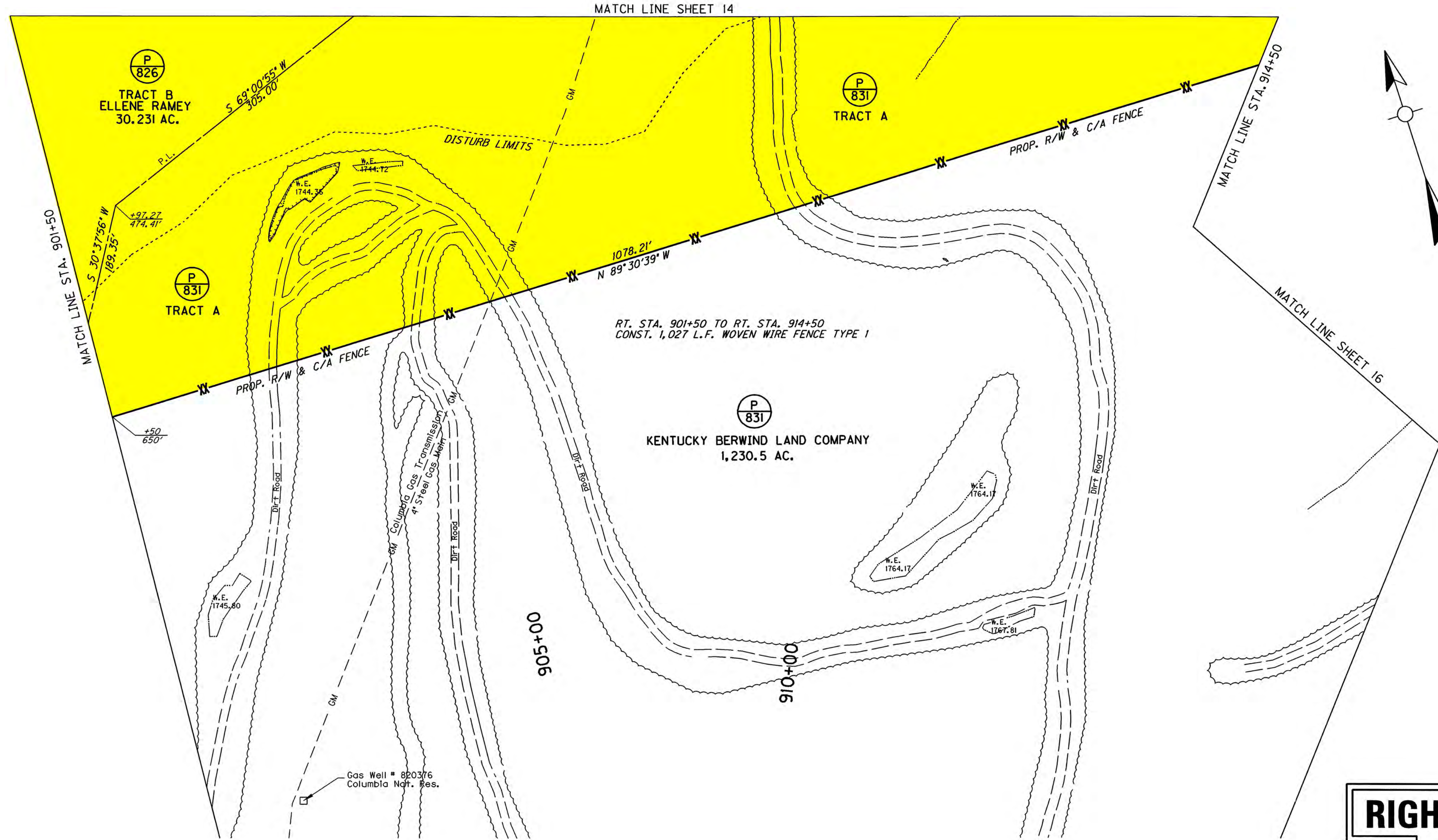
MATCH LINE SHEET 14A

P.I. 914+64.26
D = 65°15'02" R+.
C = 3°34'52"
Ts = 1175.69'
Ls = 300.00'
Lc = 1522.14'
f = 5°22'17"
L.T. = 200.09'
S.T. = 100.08'
R = 1600.00'
Es = 302.54'
e = 7.70%
Runoff = SEE CROSS SECTIONS
Runout = SEE CROSS SECTIONS
Design Speed = 60 mph

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

VENDORS NAME _____
1-32 _____
FORM NO. 2 _____





RT. STA. 901+50 TO RT. STA. 914+50
 CONST. 1,027 L.F. WOVEN WIRE FENCE TYPE 1

RIGHT OF WAY PLANS

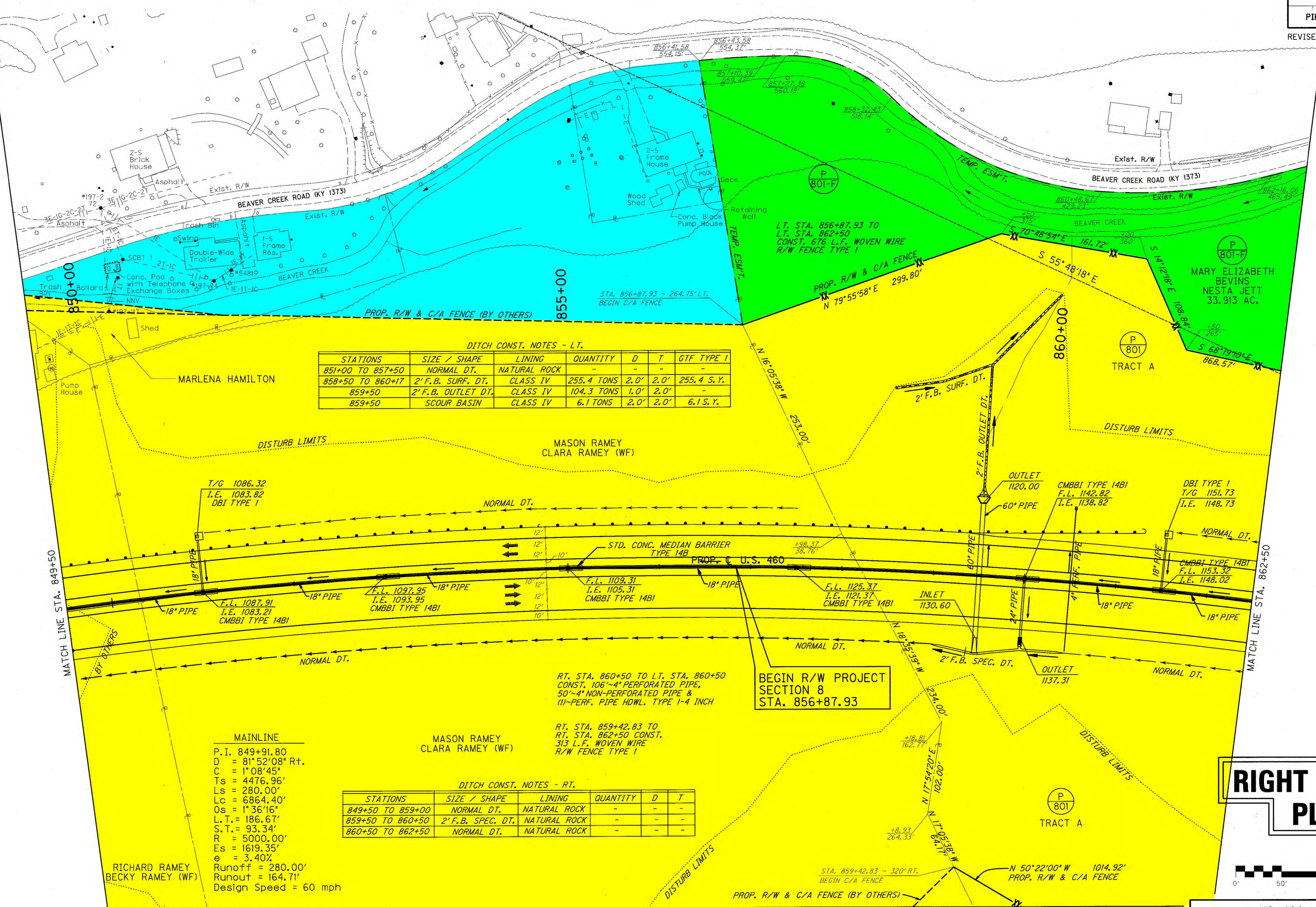
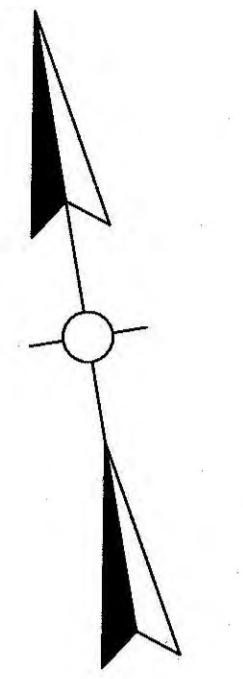
US 460
 STA. 901+50 TO STA. 914+50
 SCALE : 1"=50'

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: Roadway.cel
 Cell Name: sp
 Ut: V9106 Mainline Plans\90150b.dgn

VENDORS NAME _____
 I-92 _____
 FORM NO. 2 _____

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T	GTF TYPE I
851+00 TO 857+50	NORMAL DT.	NATURAL ROCK	-	-	-	-
858+50 TO 860+17	2' F.B. SURF. DT.	CLASS IV	255.4 TONS	2.0'	2.0'	255.4 S.Y.
859+50	2' F.B. OUTLET DT.	CLASS IV	104.3 TONS	1.0'	2.0'	-
859+50	SCOUR BASIN	CLASS IV	6.1 TONS	2.0'	2.0'	6.1 S.Y.

MAINLINE
 P.I. = 849+91.80
 D = 81' 52" 08" Rt.
 C = 1' 08" 45"
 Ts = 4476.96'
 Ls = 280.00'
 Lc = 6864.40'
 Os = 1' 36" 16"
 L.T. = 186.67'
 S.T. = 93.34'
 R = 5000.00'
 Es = 1619.35'
 e = 3.40%
 Runoff = 280.00'
 Runout = 164.71'
 Design Speed = 60 mph

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
849+50 TO 859+00	NORMAL DT.	NATURAL ROCK	-	-	-
859+50 TO 860+50	2' F.B. SPEC. DT.	NATURAL ROCK	-	-	-
860+50 TO 862+50	NORMAL DT.	NATURAL ROCK	-	-	-

RT. STA. 860+50 TO LT. STA. 860+50
 CONST. 106"~4" PERFORATED PIPE,
 50"~4" NON-PERFORATED PIPE &
 (U)-PERF. PIPE HDWL. TYPE 1-4 INCH

RT. STA. 859+42.83 TO
 RT. STA. 862+50 CONST.
 313 L.F. WOVEN WIRE
 R/W FENCE TYPE I

BEGIN R/W PROJECT
 SECTION 8
 STA. 856+87.93

RIGHT OF WAY PLANS



US 460 - SECTION 8
 MAINLINE PLAN
 STA. 849+50 TO STA. 862+50

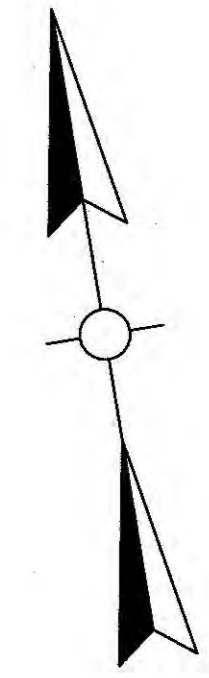
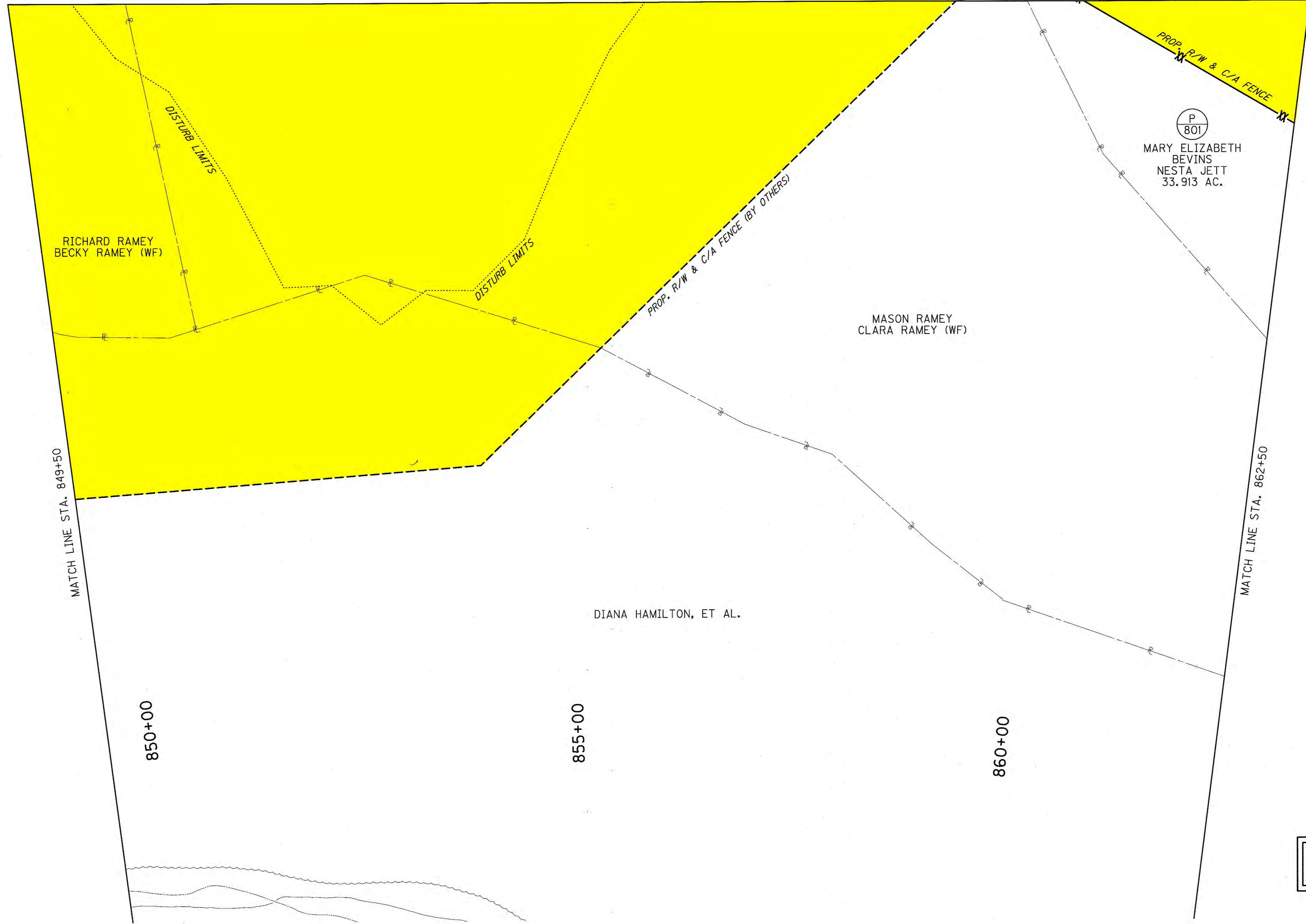
SCALE: 1"=50'

MATCH LINE SHEET 6A

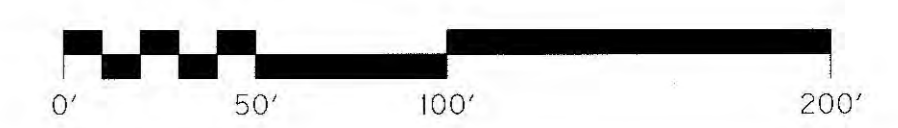
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 FILE NAME: \$\$\$design\$filespecification\$\$\$
 E-SHEET NAME:

MATCH LINE SHEET 6

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



RIGHT OF WAY PLANS

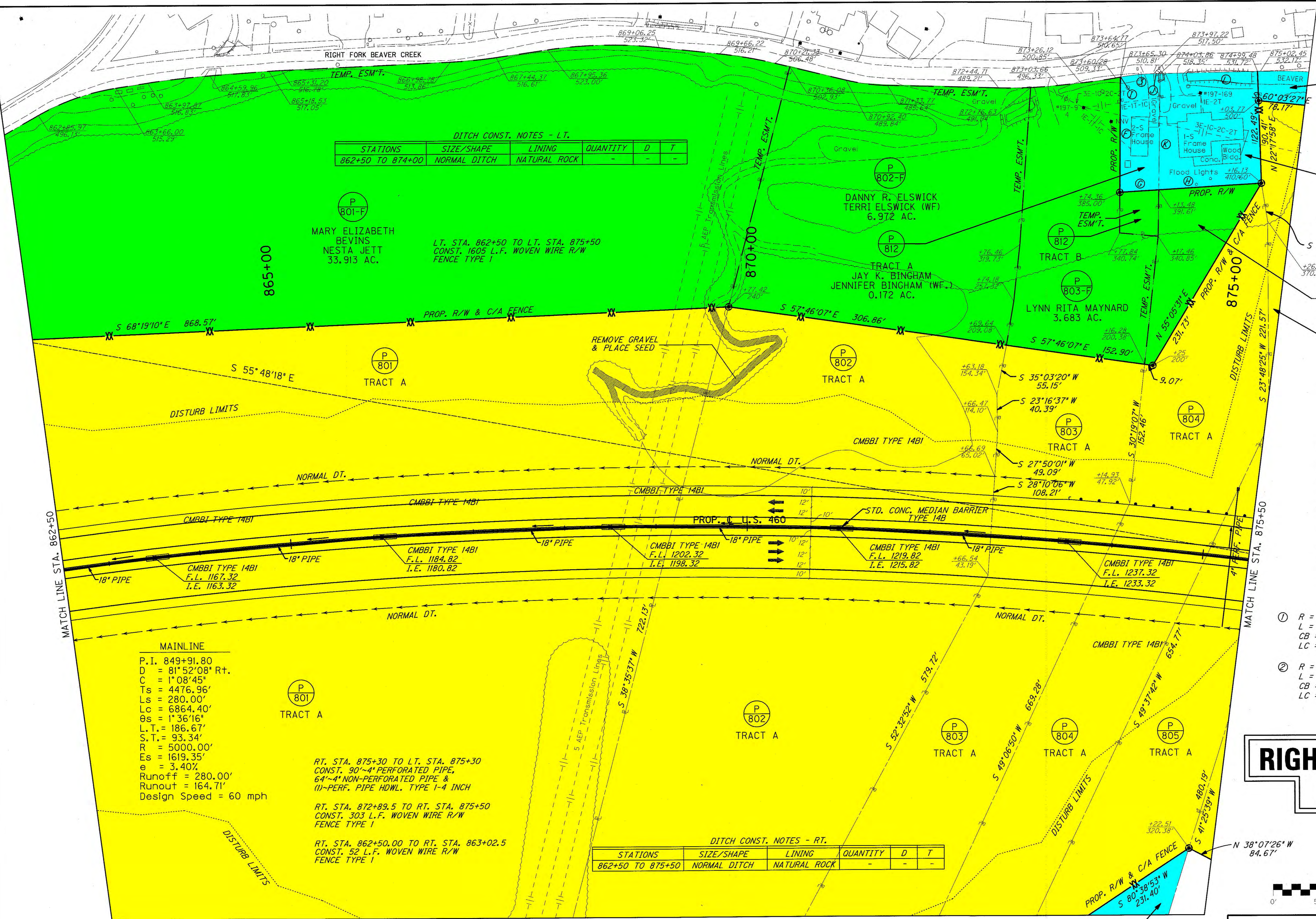


US 460 - SECTION 8
 MAINLINE PLAN
 STA. 849+50 TO STA. 862+50

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:

REVISED PLAN DATE: 9-8-11

PREPARED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 APPROVED BY: _____ DATE: _____



DITCH CONST. NOTES - LT.

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T
862+50 TO 874+00	NORMAL DITCH	NATURAL ROCK	-	-	-

DITCH CONST. NOTES - RT.

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T
862+50 TO 875+50	NORMAL DITCH	NATURAL ROCK	-	-	-

MAINLINE
 P.I. 849+91.80
 D = 81°52'08" Rt.
 C = 1'08'45"
 Ts = 4476.96'
 Ls = 280.00'
 Lc = 6864.40'
 Os = 1'36'16"
 L.T. = 186.67'
 S.T. = 93.34'
 R = 5000.00'
 Es = 1619.35'
 e = 3.40%
 Runoff = 280.00'
 Runout = 164.71'
 Design Speed = 60 mph

RT. STA. 875+30 TO LT. STA. 875+30
 CONST. 90'-4" PERFORATED PIPE,
 64'-4" NON-PERFORATED PIPE &
 (1)-PERF. PIPE HDWL. TYPE 1-4 INCH

RT. STA. 872+89.5 TO RT. STA. 875+50
 CONST. 303 L.F. WOVEN WIRE R/W
 FENCE TYPE I

RT. STA. 862+50.00 TO RT. STA. 863+02.5
 CONST. 52 L.F. WOVEN WIRE R/W
 FENCE TYPE I

- Ⓐ N 33°46'59"E ~ 48.47'
- Ⓑ N 30°24'35"E ~ 62.46'
- Ⓒ N 28°15'57"E ~ 172.21'
- Ⓓ S 71°43'31"E ~ 25.11'
- Ⓔ S 75°44'31"E ~ 5.13'
- Ⓛ S 24°31'14"W ~ 126.08'
- Ⓜ N 69°21'19"W ~ 42.67'
- Ⓨ N 69°21'19"W ~ 112.50'
- Ⓩ S 75°44'31"E ~ 0.61'
- ⓐ S 66°59'49"E ~ 7.37'
- ⓑ S 24°59'05"W ~ 127.18'
- ⓓ S 66°59'49"E ~ 106.51'

- ① R = 515.00'
L = 30.03'
CB = S 70°03'12"E
LC = 30.02'
- ② R = 550.00'
L = 38.56'
CB = S 73°44'01"E
LC = 38.55'
- ③ R = 235.00'
L = 35.87'
CB = S 71°22'11"E
LC = 35.83'

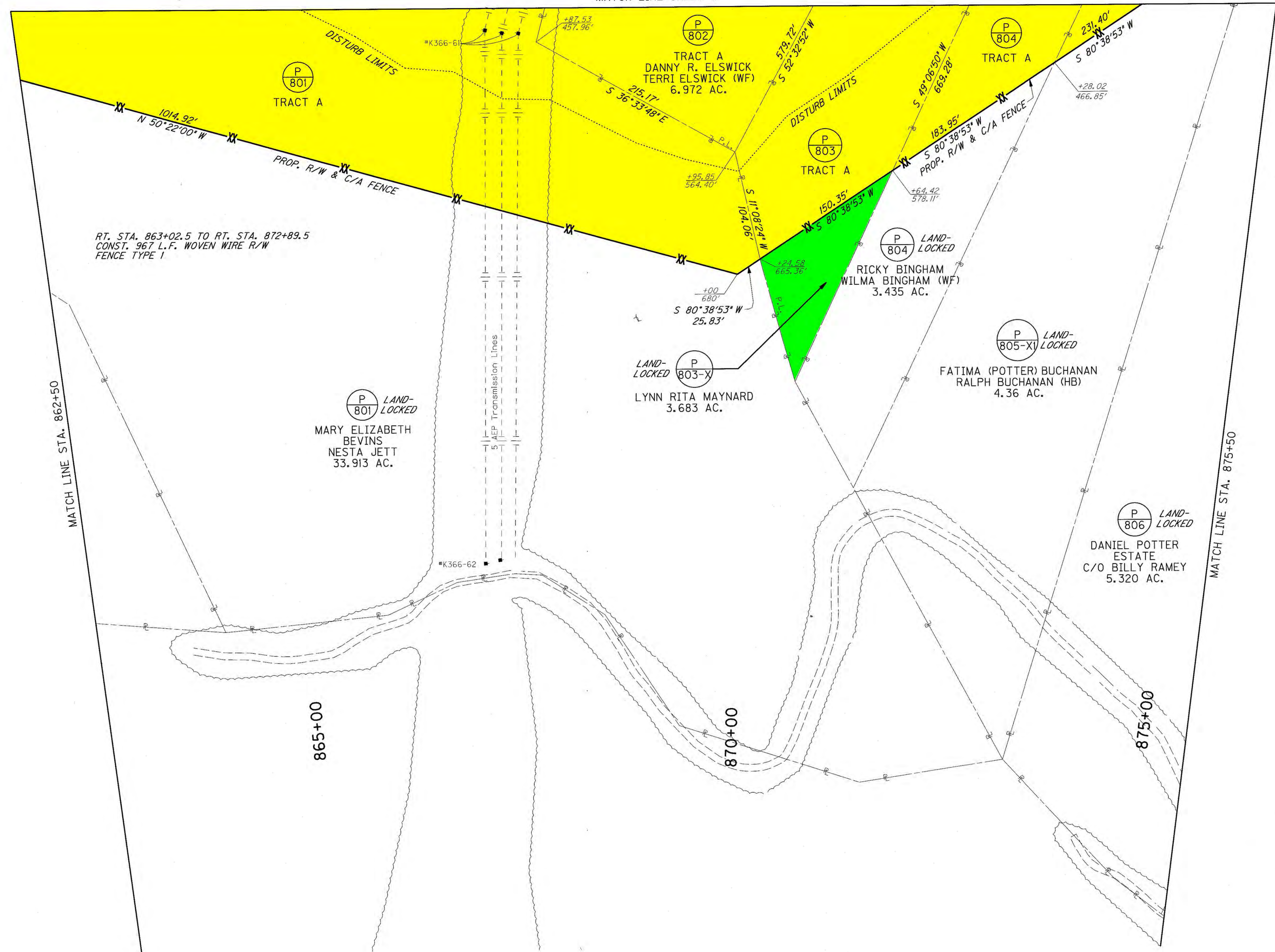
RIGHT OF WAY PLANS



US 460 - SECTION 8
 MAINLINE PLAN
 STA. 862+50 TO STA. 875+50

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$filespecification\$\$\$
 E-SHEET NAME:

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



RIGHT OF WAY PLANS



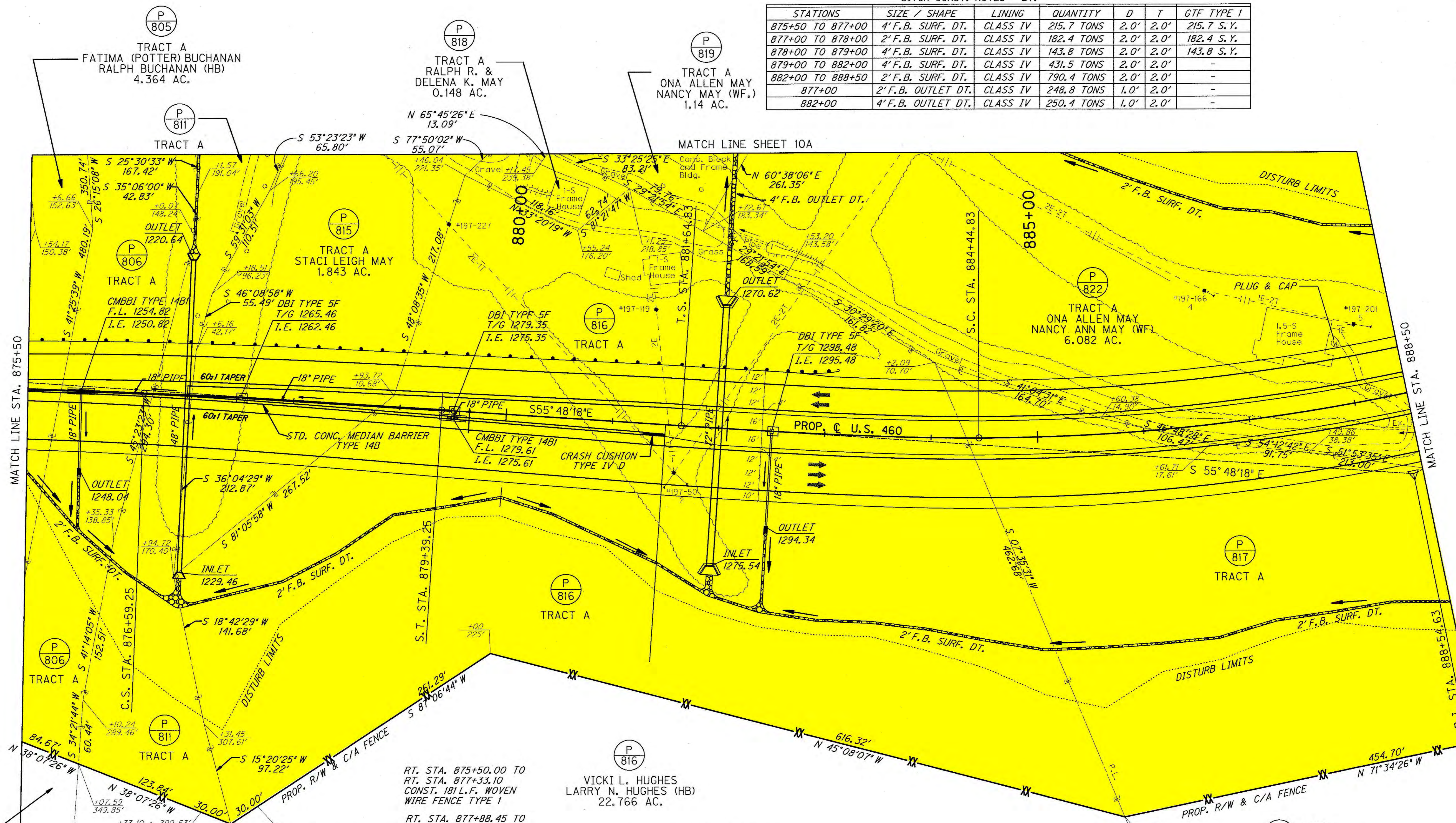
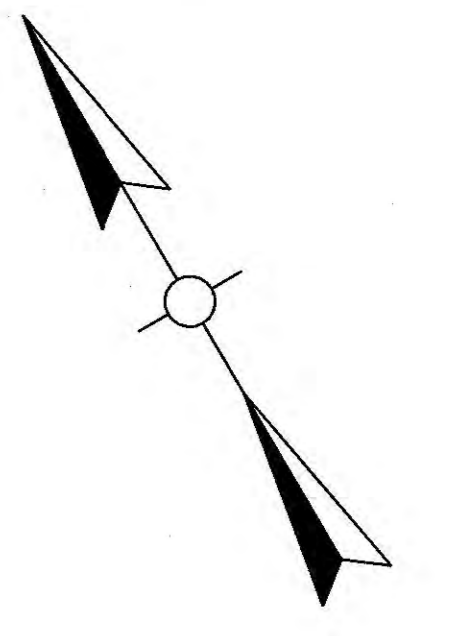
US 460 - SECTION 8
 MAINLINE PLAN
 STA. 862+50 TO STA. 875+50

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$filespecification\$\$\$
 E-SHEET NAME:

DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T	GTF TYPE I
875+50 TO 877+00	4' F.B. SURF. DT.	CLASS IV	215.7 TONS	2.0'	2.0'	215.7 S.Y.
877+00 TO 878+00	2' F.B. SURF. DT.	CLASS IV	182.4 TONS	2.0'	2.0'	182.4 S.Y.
878+00 TO 879+00	4' F.B. SURF. DT.	CLASS IV	143.8 TONS	2.0'	2.0'	143.8 S.Y.
879+00 TO 882+00	4' F.B. SURF. DT.	CLASS IV	431.5 TONS	2.0'	2.0'	-
882+00 TO 888+50	2' F.B. SURF. DT.	CLASS IV	790.4 TONS	2.0'	2.0'	-
877+00	2' F.B. OUTLET DT.	CLASS IV	248.8 TONS	1.0'	2.0'	-
882+00	4' F.B. OUTLET DT.	CLASS IV	250.4 TONS	1.0'	2.0'	-

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



WATER WELLS

STATION	OFFSET	NOTE
887+91.79	LT 58.68'	PLUG & CAP

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
875+50 TO 888+50	2' F.B. SURF. DT.	CLASS IV	1,765.6 TONS	2.0'	2.0'
876+00	2' F.B. OUTLET DT.	CLASS IV	36.0 TONS	1.0'	2.0'
877+00	2' F.B. INLET DT.	CLASS IV	61.9 TONS	3.0'	2.0'
882+00	2' F.B. INLET DT.	CLASS IV	34.8 TONS	3.0'	2.0'
882+50	2' F.B. OUTLET DT.	CLASS IV	53.2 TONS	1.0'	2.0'

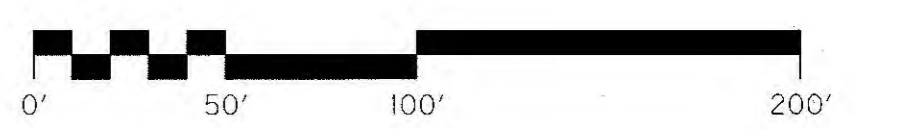
MAINLINE
 P.I. 888+54.63
 D = 30° 43' 10" Lt.
 C = 2° 51' 53"
 Ts = 689.80'
 Ls = 280.00'
 Lc = 792.31'
 θs = 4° 00' 39"
 L.T. = 186.71'
 S.T. = 93.38'
 R = 2000.00'
 Es = 75.78'
 e = 6.90%
 Runoff = 280.00'
 Runout = 81.20'
 Design Speed = 60 mph

RT. STA. 875+50.00 TO RT. STA. 877+33.10
 CONST. 181 L.F. WOVEN WIRE FENCE TYPE I

RT. STA. 877+88.45 TO RT. STA. 888+50.00
 CONST. 1,218 L.F. WOVEN WIRE FENCE TYPE I

MAINLINE
 P.I. 849+91.80
 D = 81° 52' 08" Rt.
 C = 1° 08' 45"
 Ts = 4476.96'
 Ls = 280.00'
 Lc = 6864.40'
 θs = 1° 36' 15"
 L.T. = 186.67'
 S.T. = 93.34'
 R = 5000.00'
 Es = 1619.35'
 e = 3.40%
 Runoff = 280.00'
 Runout = 164.71'
 Design Speed = 60 mph

RIGHT OF WAY PLANS



US 460 - SECTION 8
 MAINLINE PLAN
 STA. 875+50 TO STA. 888+50

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designfile\$\$\$
 E-SHEET NAME:

WATER WELLS			
STATION	OFFSET	NOTE	REF #
877+54.11	LT 551.19'	PLUG & CAP	1
878+09.31	LT 450.20'	PLUG & CAP	2
878+43.72	LT 315.42'	PLUG & CAP	3
879+19.03	LT 305.89'	PLUG & CAP	4
879+85.09	LT 458.81'	PLUG & CAP	5

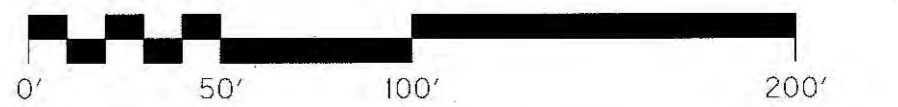
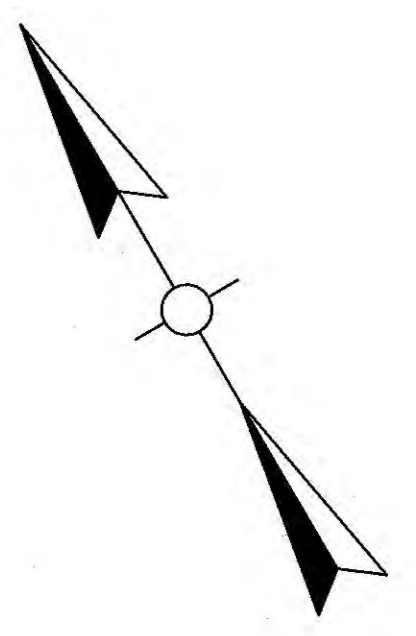
- Ⓐ S 82°13'45"E ~ 75.64'
- Ⓑ S 09°39'51"W ~ 9.95'
- Ⓒ N 74°42'29"W ~ 75.97'
- Ⓓ N 18°51'01"E ~ 52.58'
- Ⓔ S 09°39'49"W ~ 51.63'
- Ⓕ N 82°13'45"W ~ 8.40'
- Ⓖ S 09°39'47"W ~ 23.58'
- Ⓖ S 47°08'59"E ~ 69.73'
- Ⓖ S 63°31'38"E ~ 27.46'
- Ⓛ S 13°21'47"W ~ 3.22'
- Ⓚ N 62°48'34"W ~ 43.10'
- Ⓛ N 45°52'03"W ~ 52.02'
- Ⓛ S 09°39'51"W ~ 8.64'
- Ⓛ S 27°12'27"W ~ 82.10'
- Ⓛ S 23°11'28"W ~ 33.69'
- Ⓛ N 72°27'25"W ~ 16.72'
- Ⓛ N 67°13'14"W ~ 53.90'
- Ⓛ S 82°13'45"E ~ 79.52'
- Ⓛ S 01°27'34"E ~ 9.51'
- Ⓛ S 16°21'14"W ~ 8.70'
- Ⓛ S 79°45'36"E ~ 59.35'
- Ⓛ S 13°21'36"W ~ 47.82'

- Ⓟ 805 FATIMA (POTTER) BUCHANAN
RALPH BUCANAN (HB)
4.364 AC.
- Ⓟ 806 DANIEL POTTER ESTATE
C/O BILLY RAMEY
5.320 AC.
- Ⓟ 807 MICHAEL W. JUSTICE
NANCY G. JUSTICE (WF)
0.120 AC.
- Ⓟ 808 WILLIAM H. DAVIS, JR. (DECD.)
JEANA R. DAVIS (WIDOW)
0.301 AC.
- Ⓟ 809 RAY C. ROSE
DOROTHY ROSE
0.235 AC.
- Ⓟ 810 BOBBY COLEMAN
HELEN SUE COLEMAN (WF)
0.294 AC.

- Ⓟ 811 VASSIE BRYANT
11.551 AC.
- Ⓟ 813 HILLARD BELCHER
0.614 AC.
- Ⓟ 814 HILLARD BELCHER JR.
SUSAN W. BELCHER (WF.)
0.545 AC.
- Ⓟ 819 ONA ALLEN MAY
NANCY ANN MAY (WF)
1.139 AC.
- Ⓟ 820 RANDY CANTRELL
1.456 AC.

- Ⓜ S 08°19'09"E ~ 25.36'
- Ⓜ S 42°49'39"W ~ 75.34'
- Ⓜ S 53°23'23"W ~ 65.80'
- Ⓜ N 13°21'36"E ~ 5.59'
- Ⓜ N 16°21'17"E ~ 8.70'
- Ⓜ N 01°27'32"W ~ 9.51'
- Ⓜ S 47°10'47"E ~ 197.23'
- Ⓜ S 75°47'39"E ~ 109.27'
- Ⓜ S 14°12'50"W ~ 72.69'
- Ⓜ N 47°10'47"W ~ 113.58'
- Ⓜ N 75°04'34"W ~ 72.58'
- Ⓜ N 08°19'07"W ~ 25.36'
- Ⓜ N 13°21'36"E ~ 45.46'
- Ⓜ N 24°14'30"W ~ 27.93'
- Ⓜ N 00°17'32"W ~ 61.78'
- Ⓜ N 15°20'11"W ~ 18.40'
- Ⓜ N 11°54'02"W ~ 9.05'
- Ⓜ N 09°39'48"E ~ 33.53'
- Ⓜ S 11°53'57"E ~ 9.05'
- Ⓜ S 15°21'56"E ~ 18.40'
- Ⓜ S 00°16'49"E ~ 61.78'
- Ⓜ N 65°45'26"E ~ 16.91'
- Ⓜ S 24°14'31"E ~ 27.93'

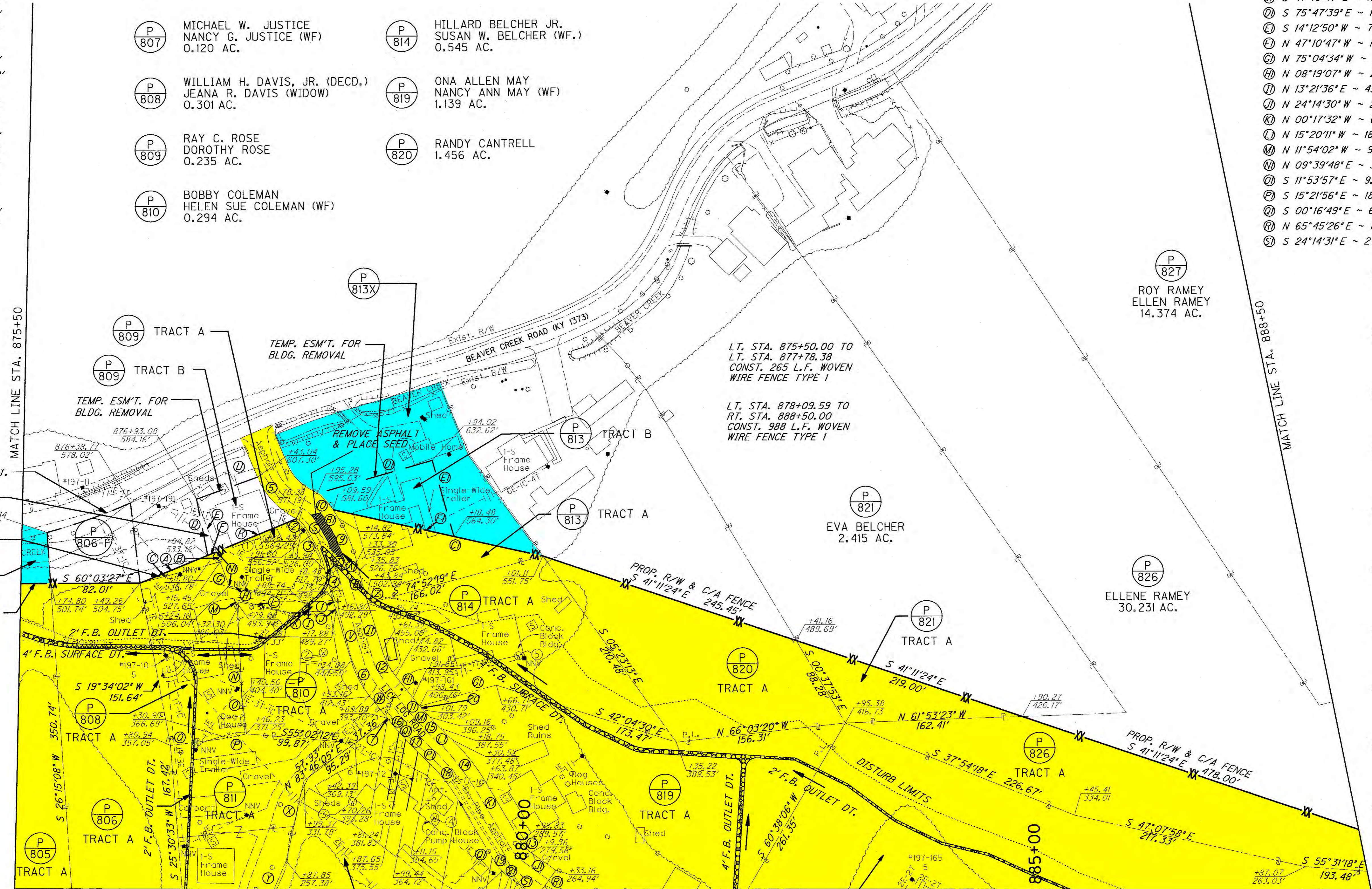
- ① R = 515.00'
L = 6.31'
CB = S 13°42'38"W
LC = 6.31'
- ② R = 20.00'
L = 11.14'
CB = S 17°25'25"E
LC = 11.00'
- ③ R = 110.00'
L = 34.19'
CB = S 07°26'29"W
LC = 34.05'
- ④ R = 515.00'
L = 20.57'
CB = S 15°12'21"W
LC = 20.56'
- ⑤ R = 75.00'
L = 53.56'
CB = S 12°55'29"E
LC = 52.43'
- ⑥ R = 100.00'
L = 37.84'
CB = S 02°31'17"W
LC = 37.61'
- ⑦ R = 265.00'
L = 0.57'
CB = S 09°09'00"E
LC = 0.57'
- ⑧ R = 485.00'
L = 25.31'
CB = N 14°51'17"E
LC = 25.31'
- ⑨ R = 140.00'
L = 20.79'
CB = N 07°26'28"E
LC = 43.34'
- ⑩ R = 50.00'
L = 12.02'
CB = N 13°22'22"W
LC = 20.64'
- ⑪ R = 235.00'
L = 9.94'
CB = N 09°31'36"W
LC = 9.94'
- ⑫ R = 70.00'
L = 26.49'
CB = N 02°31'18"E
LC = 26.33'
- ⑬ R = 35.00'
L = 14.63'
CB = N 12°15'58"W
LC = 14.53'
- ⑭ R = 190.00'
L = 47.06'
CB = N 07°23'19"W
LC = 46.94'
- ⑮ R = 235.00'
L = 14.30'
CB = N 13°37'42"W
LC = 14.29'
- ⑯ R = 265.00'
L = 16.00'
CB = S 10°10'06"E
LC = 16.00'
- ⑰ R = 265.00'
L = 16.11'
CB = S 13°37'43"E
LC = 16.11'
- ⑱ R = 160.01'
L = 39.17'
CB = S 07°18'20"E
LC = 39.07'
- ⑲ R = 65.00'
L = 15.15'
CB = S 06°58'05"E
LC = 15.11'
- ⑳ R = 235.00'
L = 4.76'
CB = N 11°19'07"W
LC = 4.76'
- ㉑ R = 65.00'
L = 12.02'
CB = S 18°56'36"E
LC = 12.01'



US 460 - SECTION 8
MAINLINE PLAN
STA. 875+50 TO STA. 888+50

PREPARED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designsfile\$\$\$
E-SHEET NAME:



RIGHT OF WAY PLANS

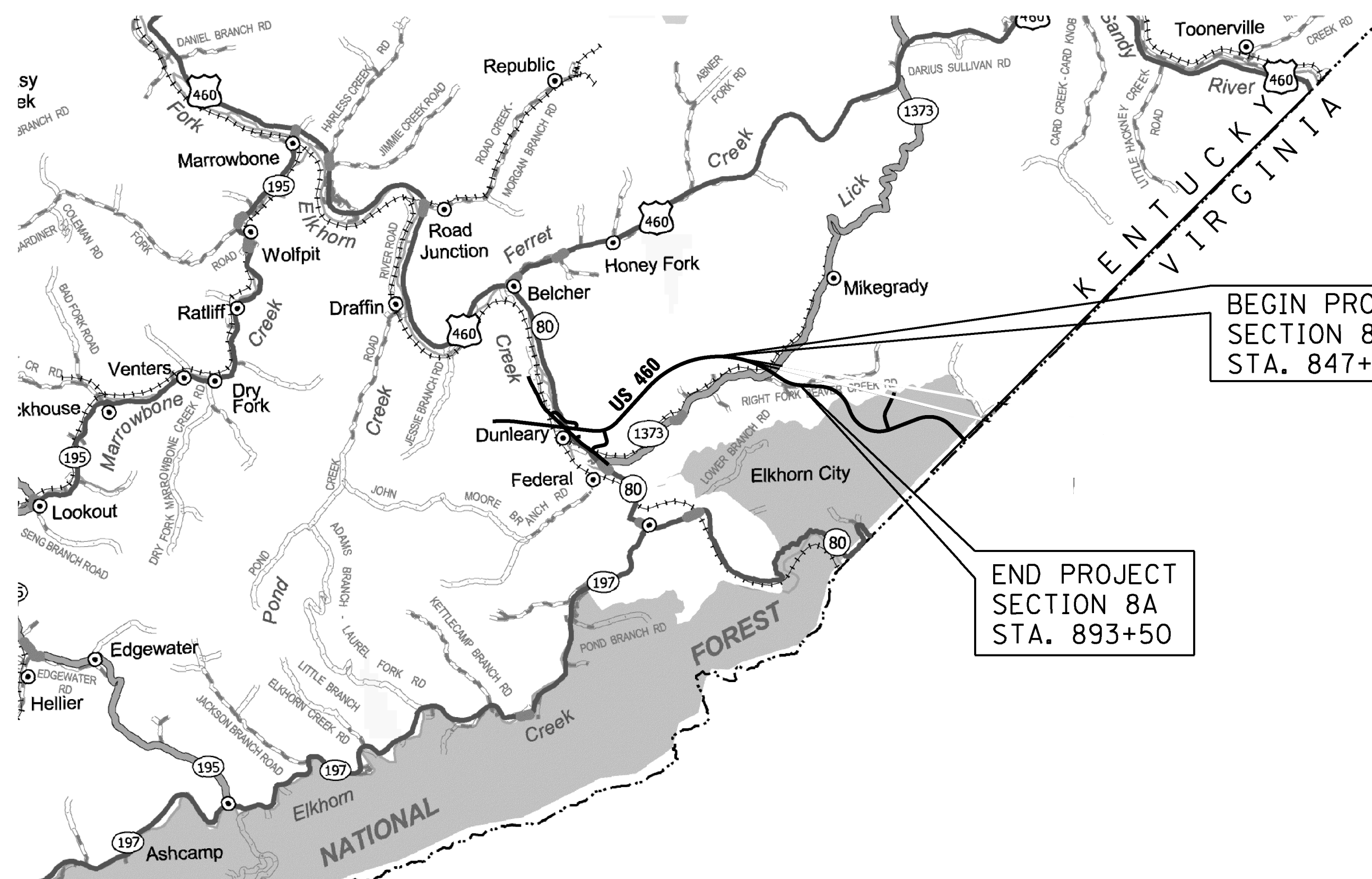
COUNTY OF	ITEM NO.	SHEET NO.
PIKE	12-263.80	RI

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT U.S. 460 - SECTION 8A PIKE COUNTY APD 0806 (043) GRADE, DRAIN, AND INCIDENTAL SURFACING PLANS

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R1A	SCHEMATIC PLAN SHEET LAYOUT
R2 - R2F	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R13	PLAN AND PROFILE SHEETS
R14 - R15	RIGHT OF WAY SUMMARY SHEETS
R16	RIGHT OF WAY STRIP MAP SHEETS
R17 - 17A	DETAIL SHEETS
R18	TRAFFIC CONTROL SHEET
R19 - R27	EROSION CONTROL SHEETS
R28	COORDINATE CONTROL SHEET
R29 - R39	SOIL PROFILE SHEETS
R40 - R51	PIPE DRAINAGE SHEETS
X1 - X91	CROSS SECTION SHEETS
TOTAL SHEETS	
(R) ROADWAY	51
(S) STRUCTURE	0
(T) TRAFFIC	0
(U) UTILITY	0
(X) CROSS SECTION	91
SHEETS NOT INCLUDED IN TOTAL SHEETS	
R1A, R2A, R2B, R2C, R2D, R2E, R2F, R4A, R6A, R8A, R10A, R12A, R17A	

STANDARD DRAWINGS		
NUMBER	NUMBER	NUMBER
RDB-001-11	ROI-001-09	RDX-210-02
RDB-005-08	ROI-003-04	RDX-220-04
RDB-100-04	ROI-004-03	RDX-225
RDB-101-04	ROI-005-03	RDX-230
RDB-155-01	ROI-020-08	RFW-001-05
RDB-160-01	ROI-025-04	RFW-005-07
RDB-230-08	ROI-035-01	
RDB-231-10	ROI-045-01	RGS-001-06
		RGS-002-05
RDH-020-03	RDP-001-05	
RDH-110-02	RDP-005-04	RGX-001-05
RDH-210-03	RDP-006-03	RGX-010-03
RDH-310-04	RDP-007-03	
	RDP-010-08	
TOTAL STANDARD DRAWINGS 35		



THIS PROJECT IS ON THE NATIONAL HIGHWAY SYSTEM

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS WITH A MINIMUM SPACING OF 1200 FEET.

DESIGN CRITERIA	
CLASS OF HIGHWAY	ARTERIAL
TYPE OF TERRAIN	MOUNTAINOUS
DESIGN SPEED	60 mph
REQUIRED NPSD	525'
REQUIRED PSD	N/A
LEVEL OF SERVICE	C
ADT PRESENT (1997)	N/A
ADT FUTURE (2025)	9500
DHV	1030
D %	58/42
T %	16
GEOGRAPHIC COORDINATES	
LATITUDE	37 DEGREES 19 MINUTES 34 SECONDS NORTH
LONGITUDE	82 DEGREES 19 MINUTES 32 SECONDS WEST
DESIGNED	
% RESTRICTED SD	N/A
LEVEL OF SERVICE	A
MAX. DISTANCE W/O PASSING	N/A

U.S. 460			
LENGTH	LIN. FT.	MILES	
4,650.00	0.881		
ADDED FOR EQUALITIES	LIN. FT.		
DEDUCTED	NOT INCLUDED		
RAILROAD CROSSINGS NO.	LIN. FT.		
BRIDGES	LIN. FT.		
ADDED FOR EQUALITIES	LIN. FT.		
DEDUCTED	NOT INCLUDED		
RAILROAD CROSSINGS NO.	LIN. FT.		
BRIDGES	LIN. FT.		
ADDED FOR EQUALITIES	LIN. FT.		
DEDUCTED	NOT INCLUDED		
RAILROAD CROSSINGS NO.	LIN. FT.		
BRIDGES	LIN. FT.		
ADDED FOR EQUALITIES	LIN. FT.		
DEDUCTED	NOT INCLUDED		
RAILROAD CROSSINGS NO.	LIN. FT.		
BRIDGES	LIN. FT.		

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
PIKE**

US 460 - SECTION 8A

ITEM NO. 12-263.80
PROJECT NUMBER: FD52 098 0460 NEW-LOC
LETTING DATE: APD 0806 (043)

RECOMMENDED BY: JOHN MICHAEL JOHNSON PROJECT MANAGER DATE: 8-23-13
PLAN APPROVED BY: [Signature] STATE HIGHWAY ENGINEER DATE: 1-30-2014

PLANS PREPARED BY

QK 1046 East Chestnut Street
Louisville, Kentucky 40204
Phone: 502-585-2222
Fax: 502-566-3058
www.qk4.com

ALBERT H. ZIMMERMAN
15493
LICENSED PROFESSIONAL ENGINEER

Albert H. Zimmerman
12-13-13

FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ESHEET\RO0100LS.DGN
USER: Lgintthum
DATE PLOTTED: December 12, 2013
E-SHEET NAME: RO0100LS
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
PIKE	12-263.80	RI

REVISED 2-12-14

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT U.S. 460 - SECTION 8A PIKE COUNTY APD 0806 (043) GRADE, DRAIN, AND INCIDENTAL SURFACING PLANS

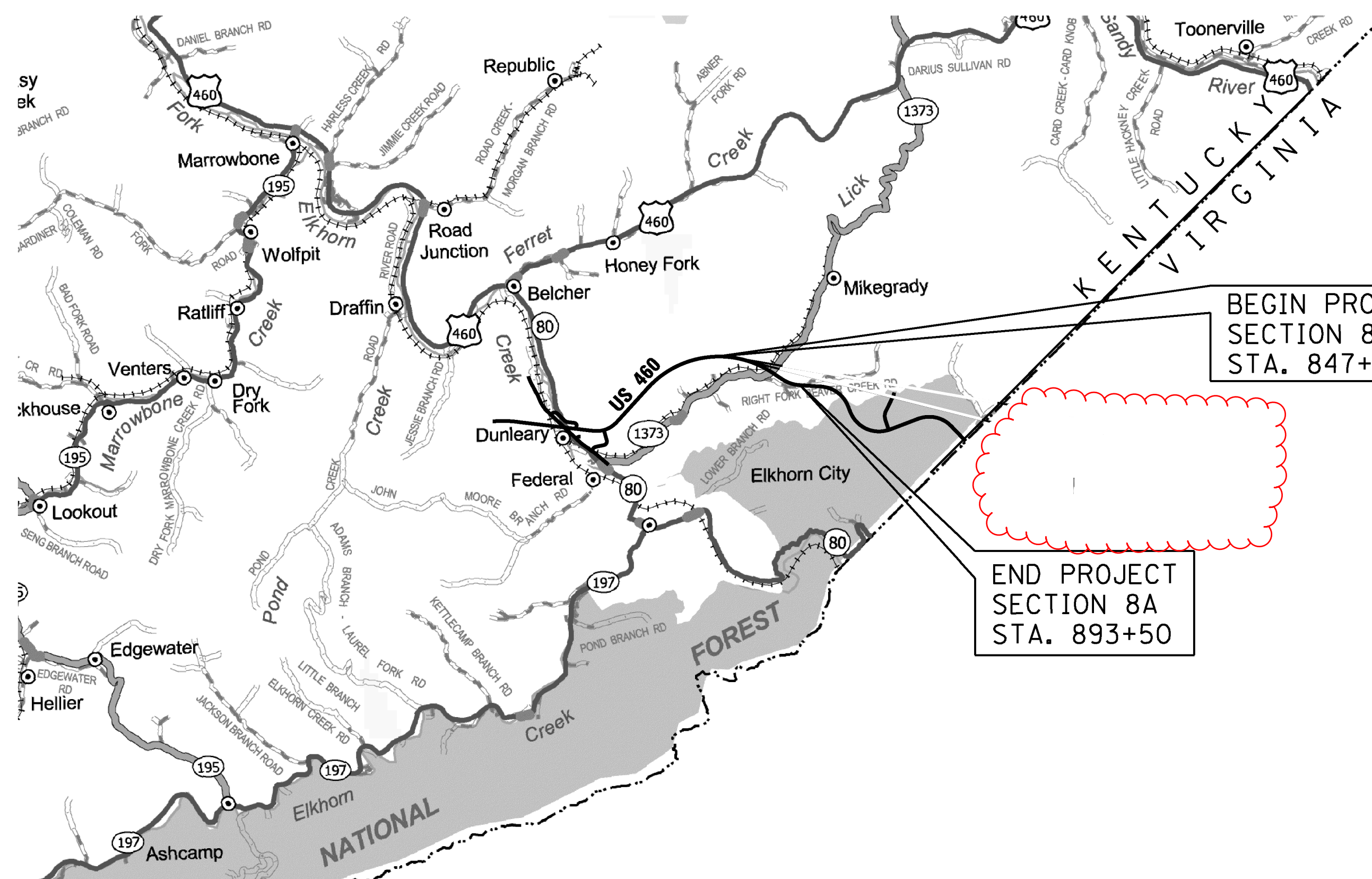
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RDH-020-03	RDP-001-05	
RDH-110-02	RDP-005-04	RGX-001-05
RDH-210-03	RDP-006-03	RGX-010-03
RDH-310-04	RDP-007-03	
	RDP-010-08	

TOTAL STANDARD DRAWINGS 35



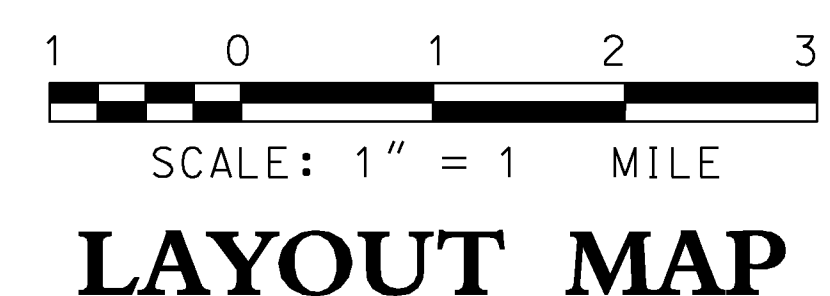
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DESIGNED	
% RESTRICTED SD	N/A
LEVEL OF SERVICE	A
MAX. DISTANCE W/O PASSING	N/A



U.S. 460							
LENGTH	FOR EQUALITIES	LENGTH	FOR EQUALITIES	LENGTH	FOR EQUALITIES	LENGTH	FOR EQUALITIES
4,650.00	0.881						
ADDED	NOT INCLUDED	ADDED	NOT INCLUDED	ADDED	NOT INCLUDED	ADDED	NOT INCLUDED
RAILROAD CROSSINGS NO.		RAILROAD CROSSINGS NO.		RAILROAD CROSSINGS NO.		RAILROAD CROSSINGS NO.	
BRIDGES		BRIDGES		BRIDGES		BRIDGES	

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
PIKE**

US 460 - SECTION 8A

ITEM NO. 12-263.80
PROJECT NUMBER: FD52 098 0460 NEW-LOC
LETTING DATE: APD 0806 (043)

RECOMMENDED BY: JOHN MICHAEL JOHNSON PROJECT MANAGER DATE: 8-23-13
PLAN APPROVED BY: [Signature] STATE HIGHWAY ENGINEER DATE: 1-30-2014

PLANS PREPARED BY

QK 1046 East Chestnut Street
Louisville, Kentucky 40204
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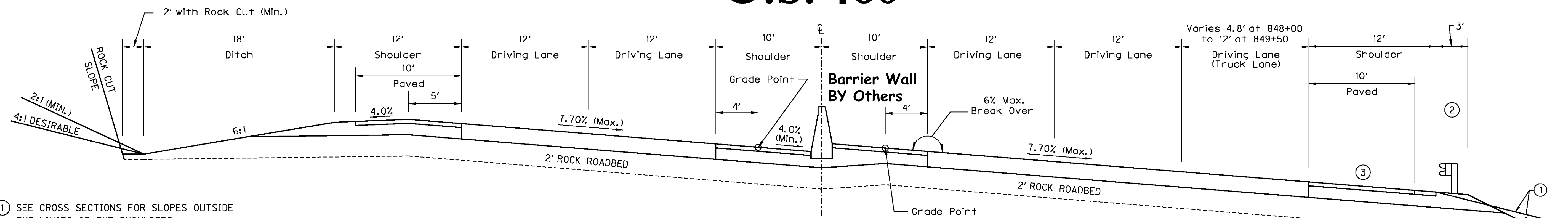
ALBERT H. ZIMMERMAN
15493
LICENSED PROFESSIONAL ENGINEER

Albert H. Zimmerman
12-13-13

FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ESHEET\ROO100LS.DGN
USER: Lgintthum
DATE PLOTTED: December 12, 2013
E-SHEET NAME: ROO100LS
MicroStation v8.11.7.443

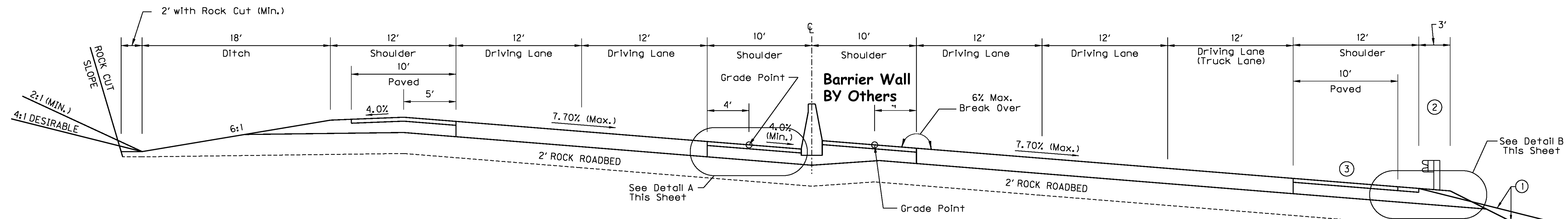
TYPICAL SECTIONS

U.S. 460

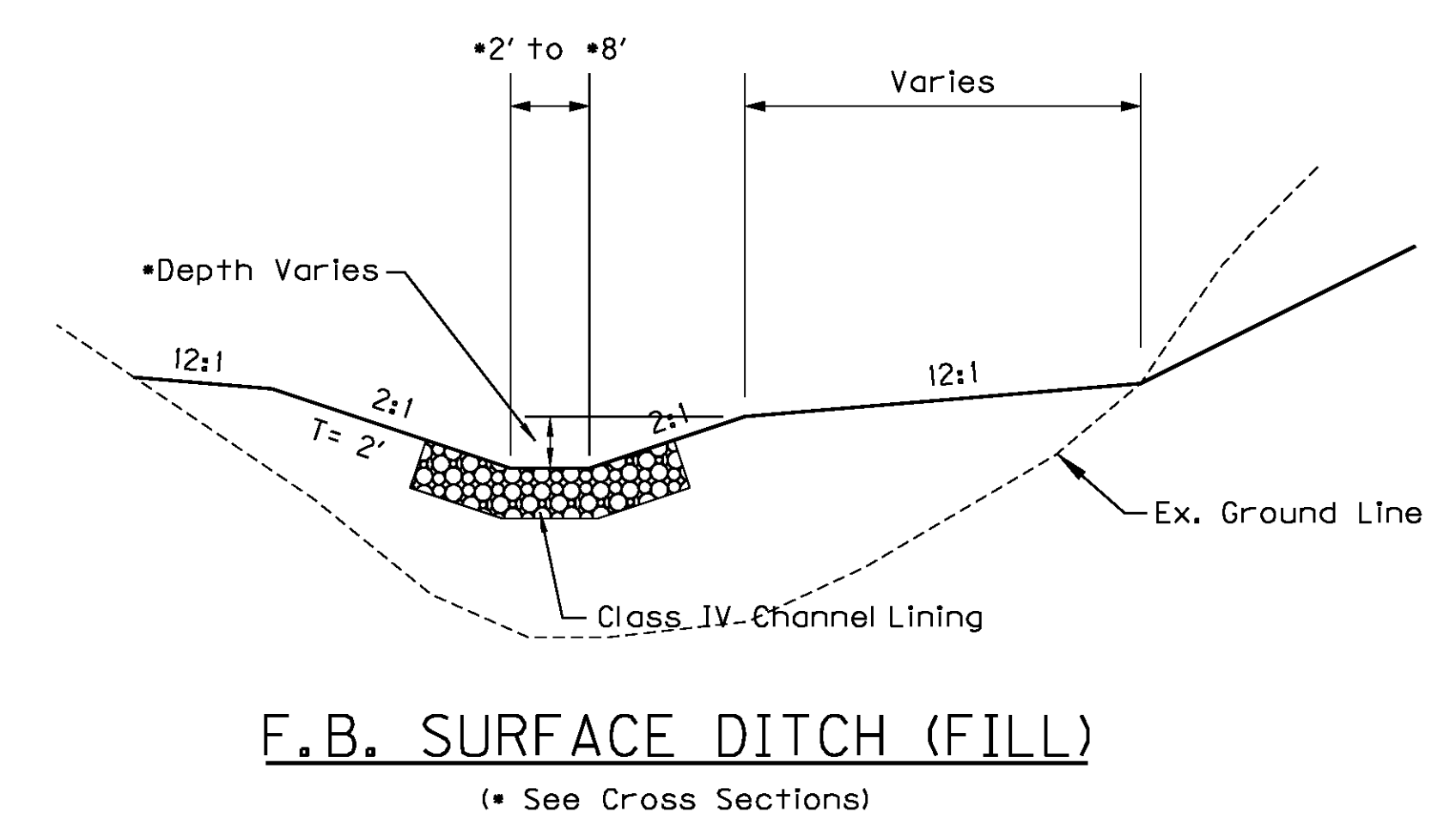
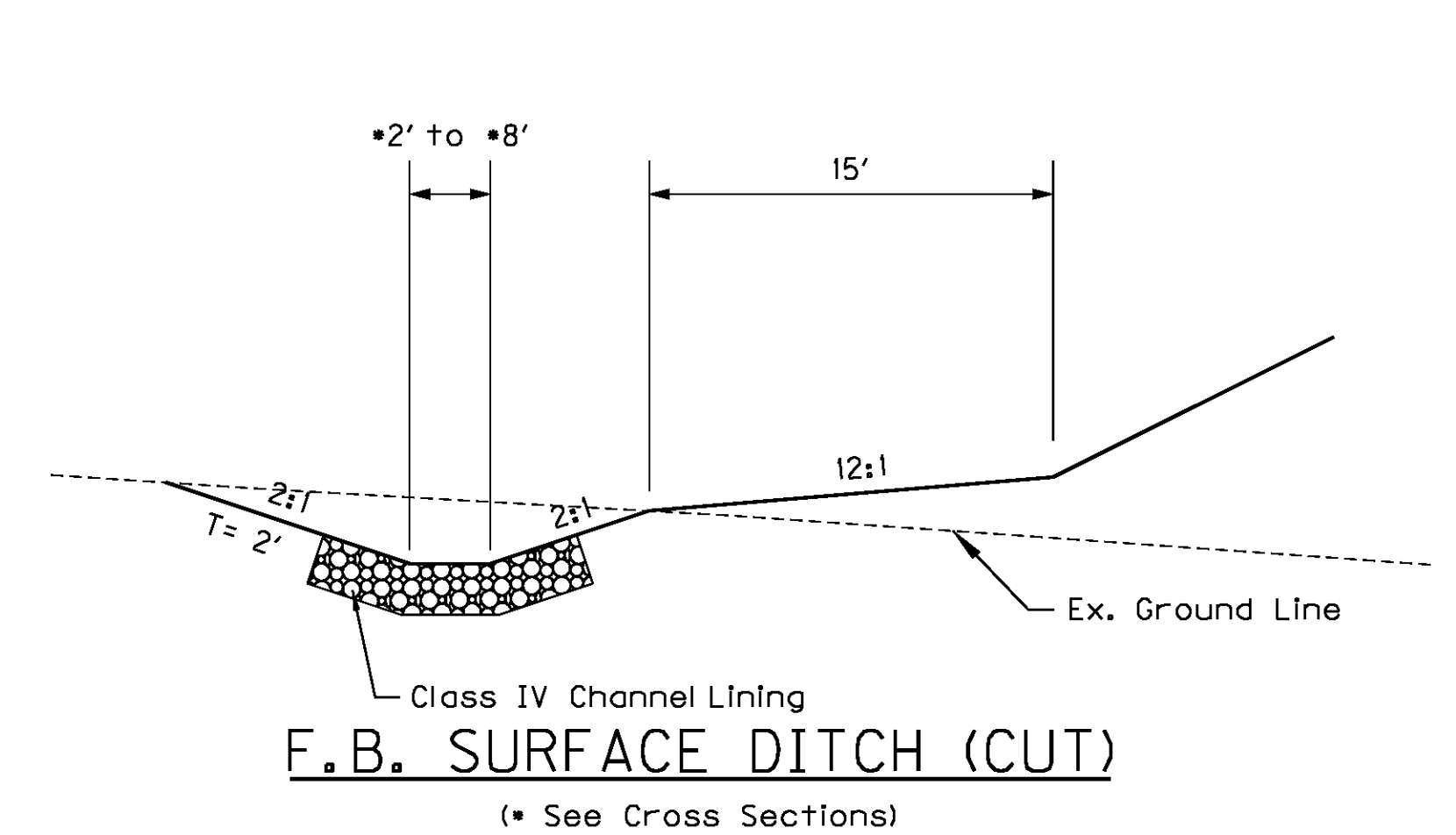
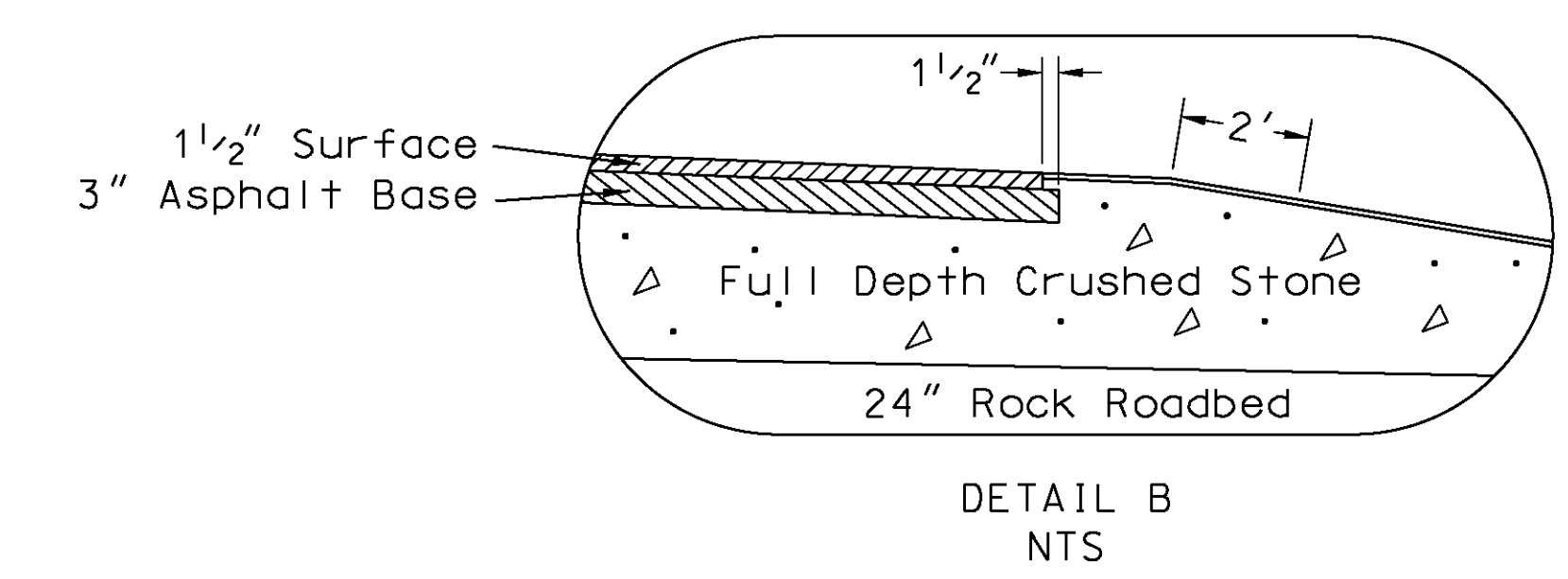
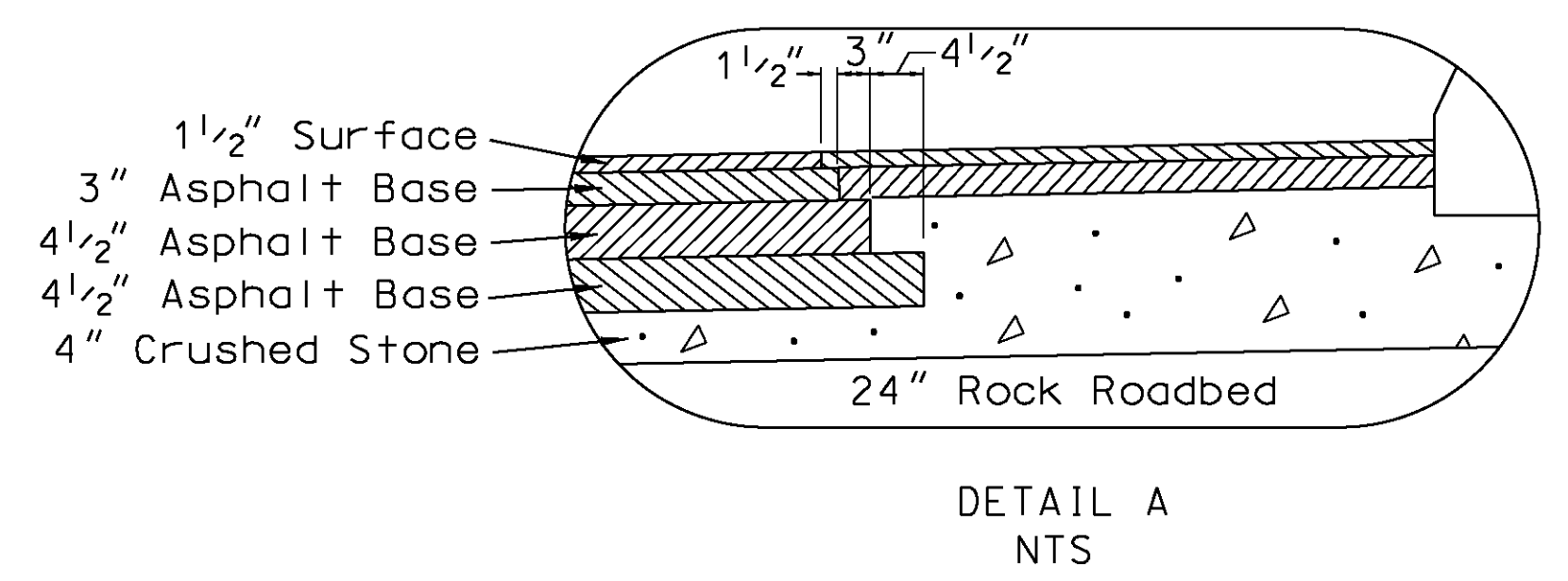


**SUPERELEVATED SECTION WITH ADDED LANE TAPER
MAINLINE W/ MEDIAN BARRIER WALL**
STA. 848+00.00 TO STA. 849+50.00

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS
- ② SHOULDERS SHALL BE WIDENED 3' WHERE GUARDRAIL IS REQUIRED
- ③ SUPERELEVATED SHOULDERS; CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN 4.0%



**SUPERELEVATED SECTION WITH ADDED LANE
MAINLINE W/ MEDIAN BARRIER WALL**
STA. 849+50.00 TO STA. 875+50.00



NOTE: PAVEMENT DESIGN SHOWN IS FOR INFORMATION ONLY. US 460 TO BE CONSTRUCTED TO TOP OF ROCK ROADBED ONLY.

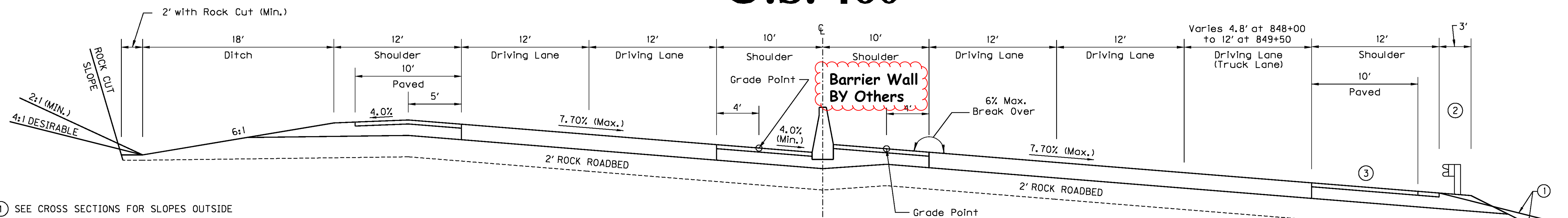
NOT TO SCALE

US 460 - SECTION 8A
TYPICAL SECTIONS - US 460

FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\RESHEET\ROAD200TS.DGN
 USER: LCIPTTRUM
 DATE PLOTTED: August 23, 2013
 E-SHEET NAME: ROAD200TS
 MicroStation v8.11.7.443

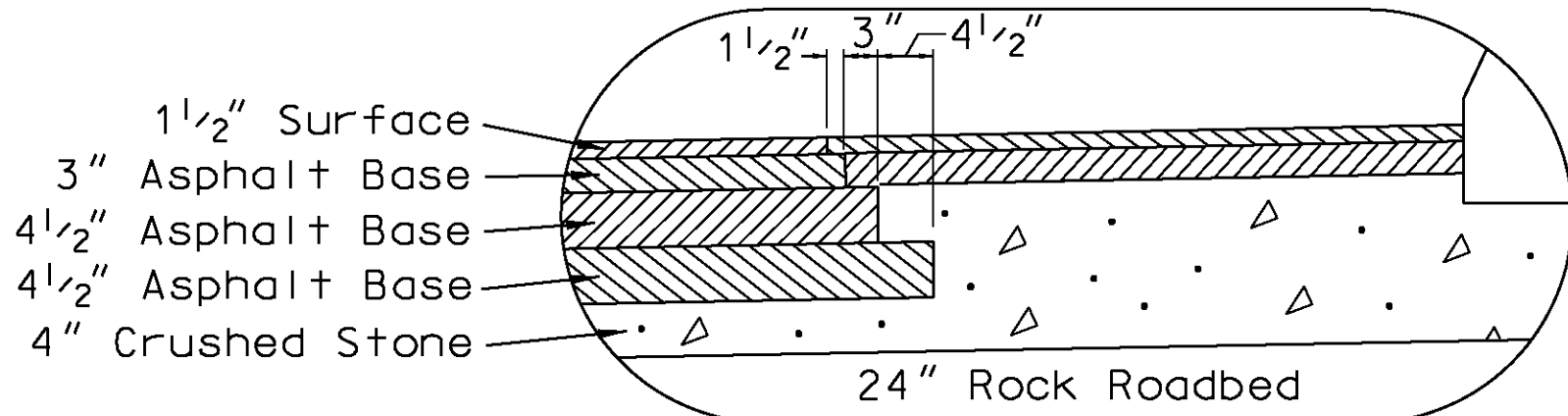
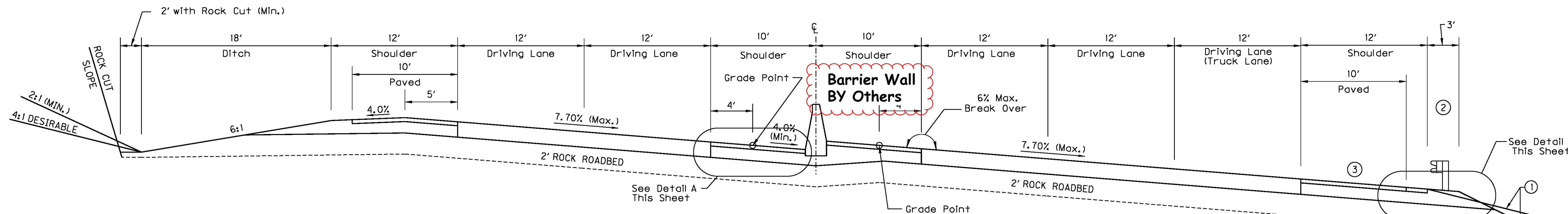
TYPICAL SECTIONS

U.S. 460



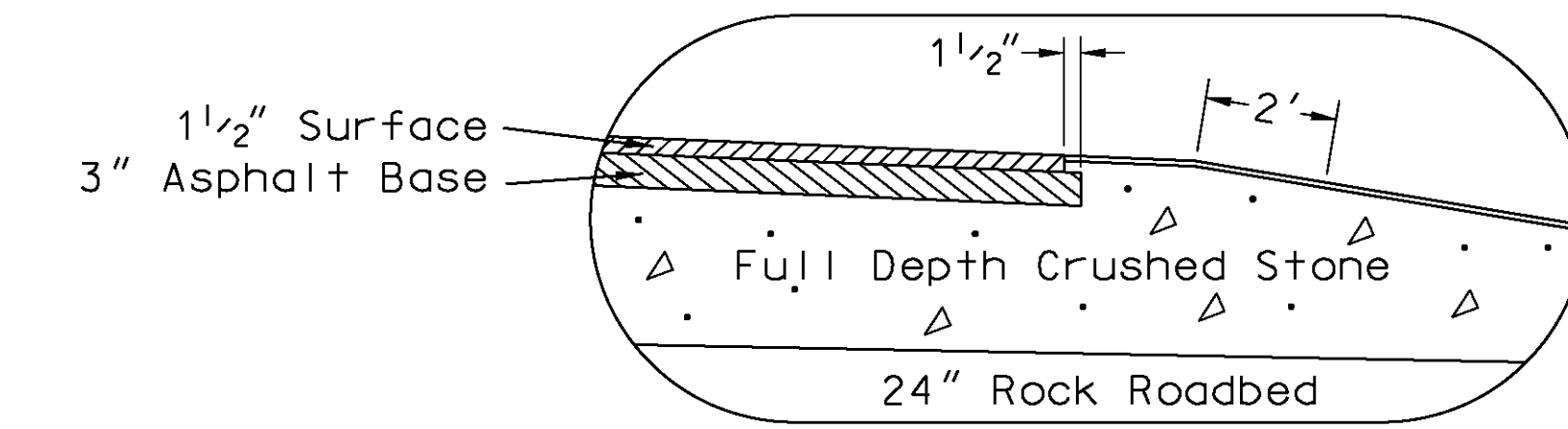
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**SUPERELEVATED SECTION WITH ADDED LANE TAPER
MAINLINE W/ MEDIAN BARRIER WALL**
STA. 848+00.00 TO STA. 849+50.00

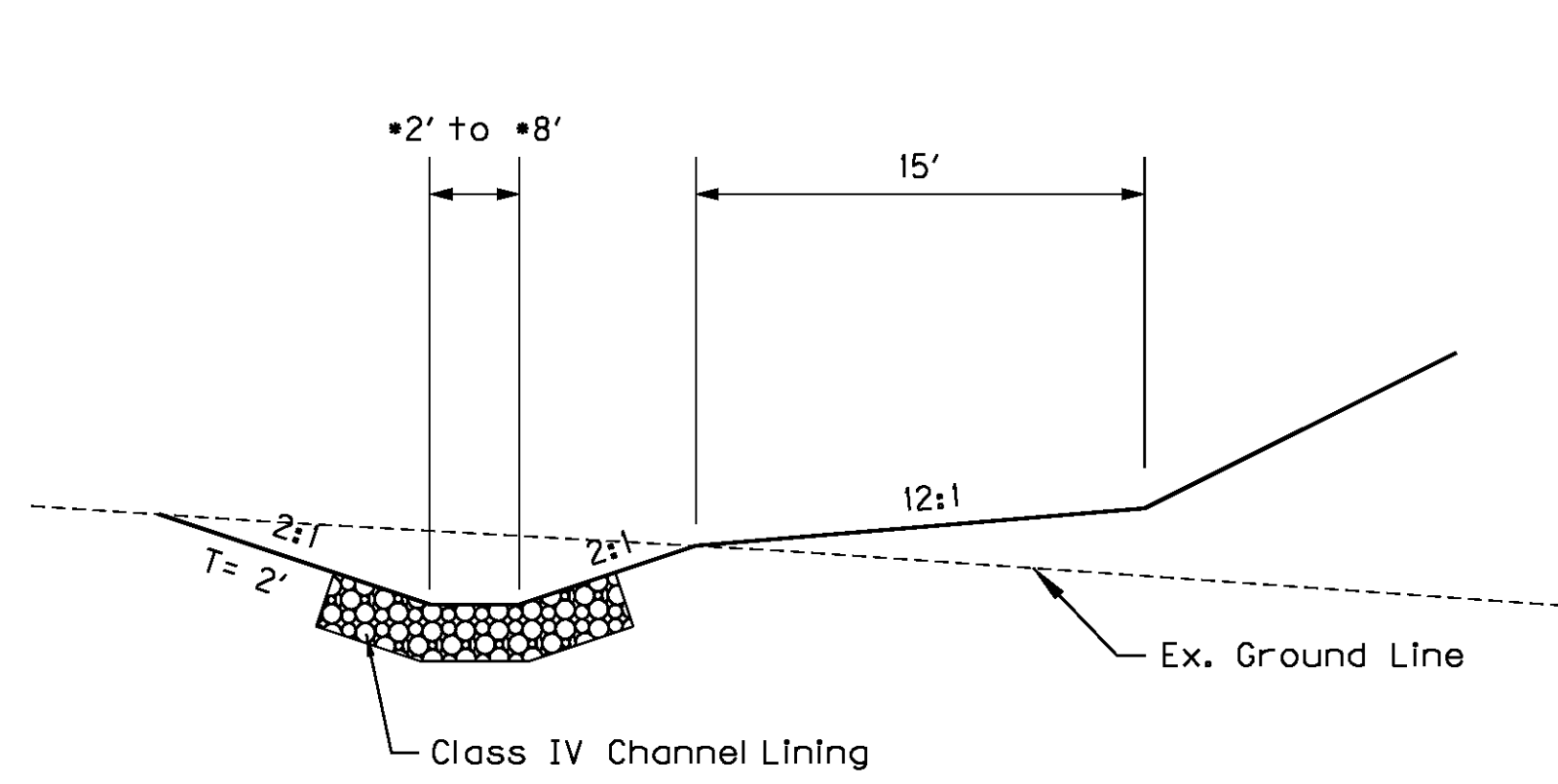


Asphalt Pavement BY Others

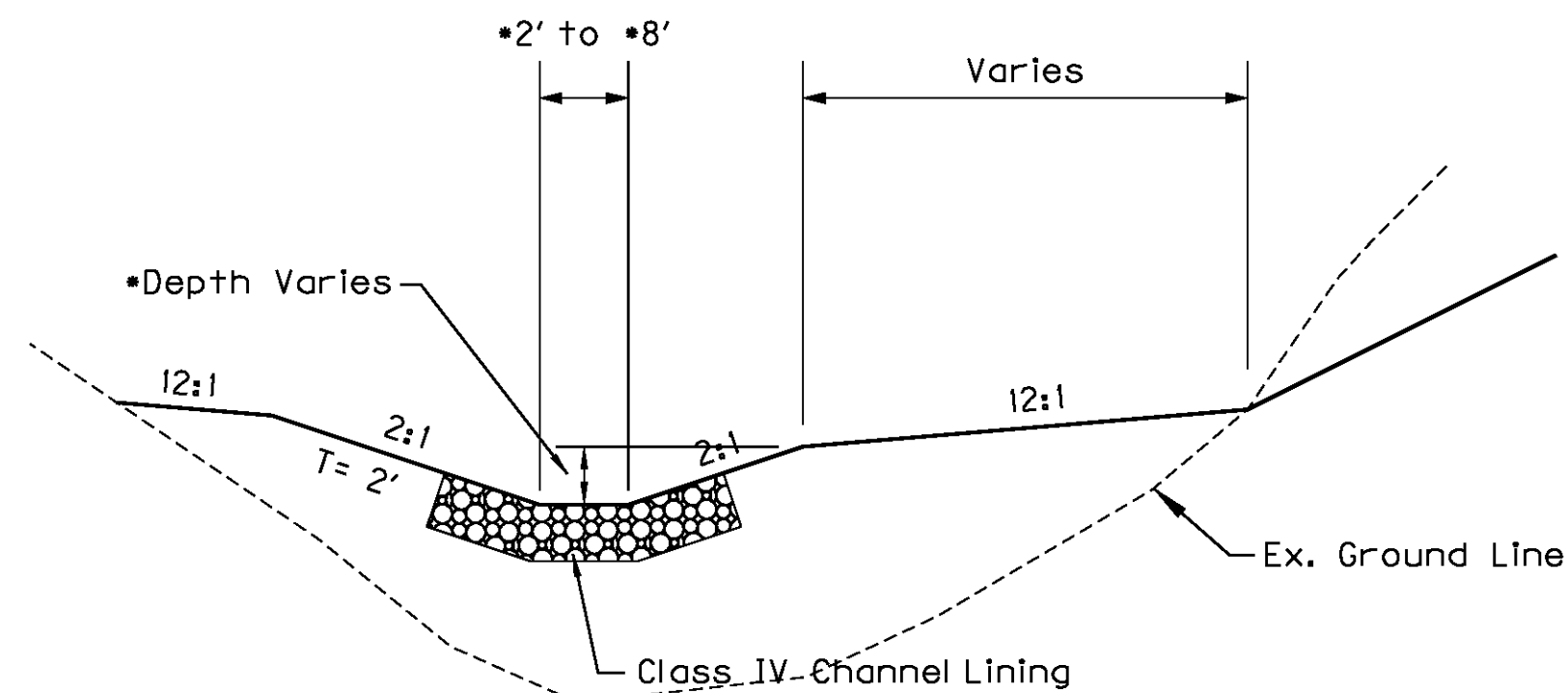
**SUPERELEVATED SECTION WITH ADDED LANE
MAINLINE W/ MEDIAN BARRIER WALL**
STA. 849+50.00 TO STA. 875+50.00



DETAIL B
NTS



F.B. SURFACE DITCH (CUT)
(* See Cross Sections)



F.B. SURFACE DITCH (FILL)
(* See Cross Sections)

NOTE: PAVEMENT DESIGN SHOWN IS FOR INFORMATION ONLY. US 460 TO BE CONSTRUCTED TO TOP OF ROCK ROADBED ONLY.

NOT TO SCALE

US 460 - SECTION 8A
TYPICAL SECTIONS - US 460

FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ESHEET\ROAD200TS.DGN
 USER: Lcitrtrm
 DATE PLOTTED: August 23, 2013
 E-SHEET NAME: ROAD200TS
 MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
PIKE	12-263.80	R2F

GENERAL NOTES

CONTROL OF ACCESS:

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON THE PLANS WITH A MINIMUM SPACING OF 1,200 FEET.

N.G.S. (U.S.G.S) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

BEFORE YOU DIG:

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN (10) BUSINESS DAYS PRIOR TO EXECUTION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

UTILITIES (HAZARDOUS OR FLAMMABLE MATERIALS):

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

NOTICE - CAUTION - CLASSIFICATION:

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE EXCAVATION SHALL BE UNCLASSIFIED. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS-SECTIONS WHETHER IN NUMBERS, WORDS, LETTERS OR LINES, IS SOLELY FOR THE DEPARTMENT'S INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

STANDARD DRAWINGS:

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KENTUCKY AT (502) 564-3670.

PROPOSAL ATTACHMENTS:

SPECIAL NOTE 110 ROCK BLASTING

SPECIAL NOTE NO. 1

PLAN SHEET R2D - EARTHWORK TOTALS DETAIL 3,458,755 CY TOTAL EXCAVATION AND 1,884,360 CY TOTAL EMBANKMENT. NO SWELL FACTORS HAVE BEEN USED BY KYTC OR ITS CONSULTANT IN THE YARDAGE/EMBANKMENT CALCULATIONS.

SPECIAL NOTE NO. 2

TREE CUTTING RESTRICTIONS - NO TREES SHALL BE CUT ON THIS PROJECT FROM APRIL 1 THRU OCTOBER **15**

COUNTY OF	ITEM NO.	SHEET NO.
PIKE	12-263.80	R2F

REVISED 2-12-14

GENERAL NOTES

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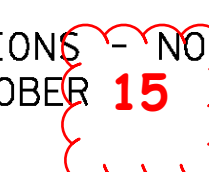
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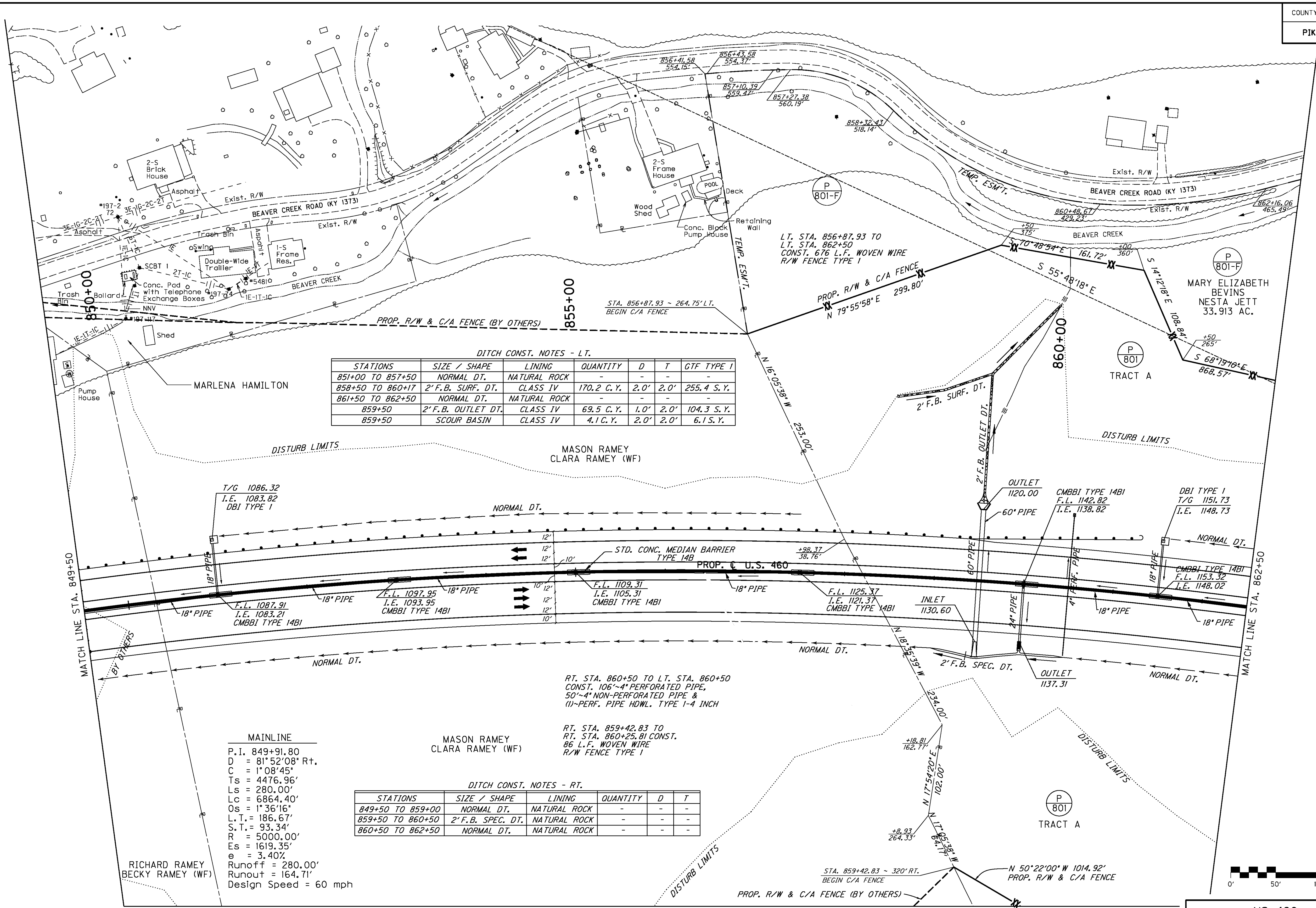
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FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ESHEET\RO0600PL.DGN
 USER: Lc101111m
 DATE PLOTTED: August 23, 2013
 E-SHEET NAME: RO0600PL
 MicroStation v8.11.7.443



DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T	GTF TYPE I
851+00 TO 857+50	NORMAL DT.	NATURAL ROCK	-	-	-	-
858+50 TO 860+17	2' F.B. SURF. DT.	CLASS IV	170.2 C.Y.	2.0'	2.0'	255.4 S.Y.
861+50 TO 862+50	NORMAL DT.	NATURAL ROCK	-	-	-	-
859+50	2' F.B. OUTLET DT.	CLASS IV	69.5 C.Y.	1.0'	2.0'	104.3 S.Y.
859+50	SCOUR BASIN	CLASS IV	4.1 C.Y.	2.0'	2.0'	6.1 S.Y.

MAINLINE

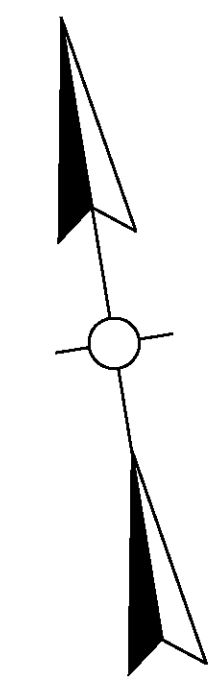
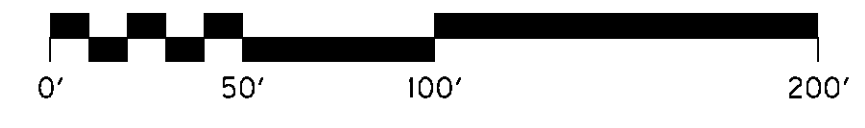
P.I. = 849+91.80
 D = 81° 52' 08" Rt.
 C = 1° 08' 45"
 Ts = 4476.96'
 Ls = 280.00'
 Lc = 6864.40'
 Os = 1° 36' 16"
 L.T. = 186.67'
 S.T. = 93.34'
 R = 5000.00'
 Es = 1619.35'
 e = 3.40%
 Runoff = 280.00'
 Runout = 164.71'
 Design Speed = 60 mph

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
849+50 TO 859+00	NORMAL DT.	NATURAL ROCK	-	-	-
859+50 TO 860+50	2' F.B. SPEC. DT.	NATURAL ROCK	-	-	-
860+50 TO 862+50	NORMAL DT.	NATURAL ROCK	-	-	-

RT. STA. 860+50 TO LT. STA. 860+50
 CONST. 106'-4" PERFORATED PIPE,
 50'-4" NON-PERFORATED PIPE &
 (1)-PERF. PIPE HDWL. TYPE 1-4 INCH

RT. STA. 859+42.83 TO
 RT. STA. 860+25.81 CONST.
 86 L.F. WOVEN WIRE
 R/W FENCE TYPE I

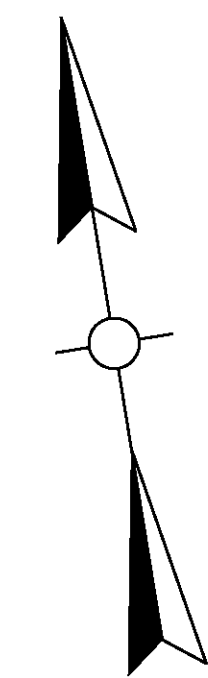


MATCH LINE SHEET R6A

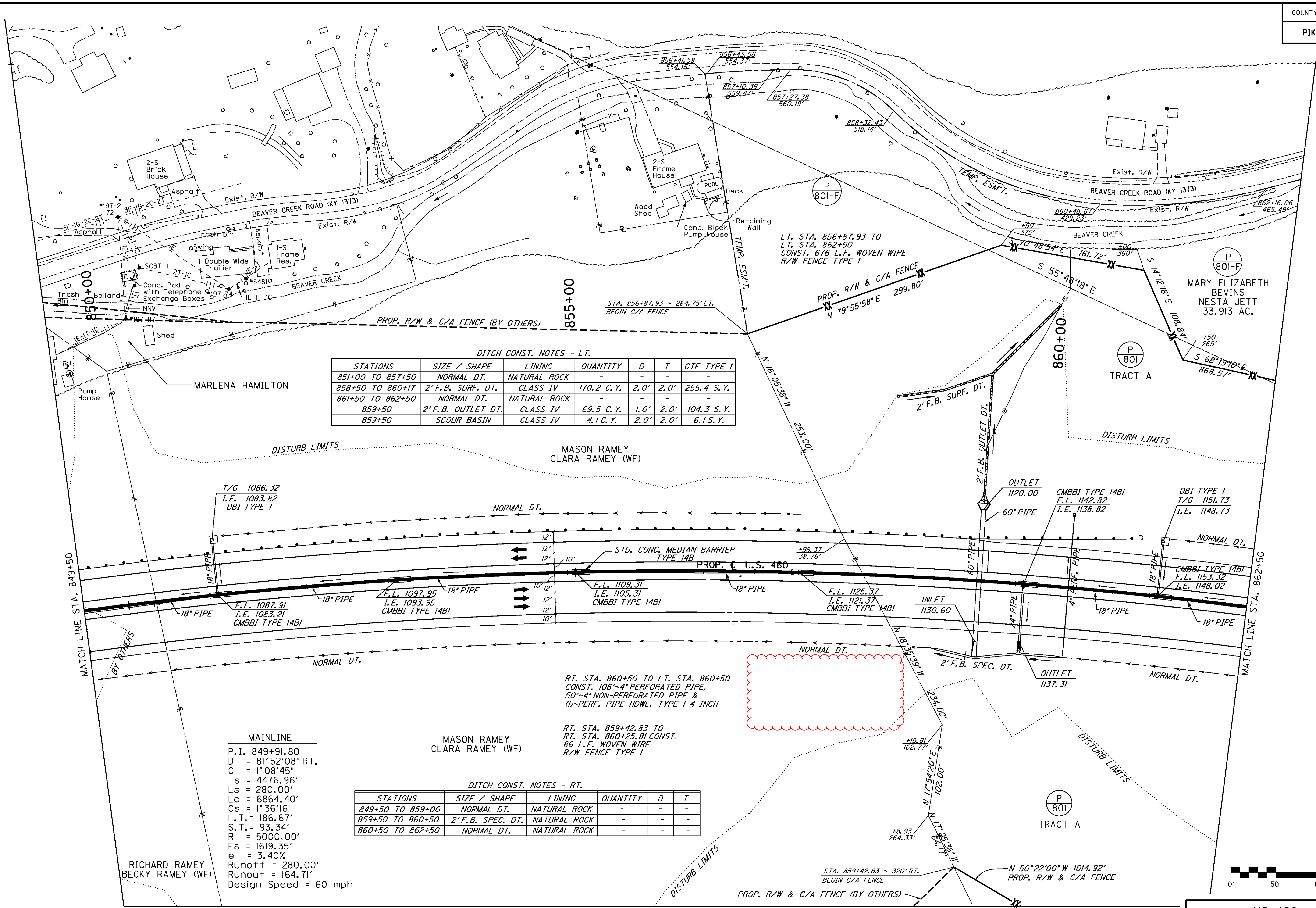
US 460 - SECTION 8A
 MAINLINE PLAN
 STA. 849+50 TO STA. 862+50

SCALE: 1"=50'

REVISED 2-12-14



FILE NAME: U:\99106\SEC 8A\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ESHEET\RO0600PL.DGN
 USER: Lc101111m
 DATE PLOTTED: August 23, 2013
 E-SHEET NAME: RO0600PL
 MicroStation v8.11.7.443



DITCH CONST. NOTES - LT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T	GTF TYPE I
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861+50 TO 862+50	NORMAL DT.	NATURAL ROCK	-	-	-	-
859+50	2' F.B. OUTLET DT.	CLASS IV	69.5 C.Y.	1.0'	2.0'	104.3 S.Y.
859+50	SCOUR BASIN	CLASS IV	4.1 C.Y.	2.0'	2.0'	6.1 S.Y.

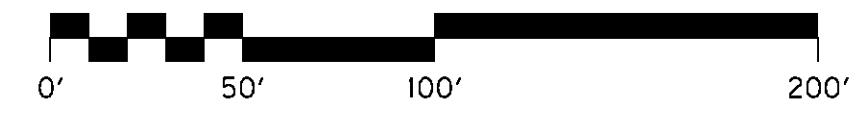
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 R = 5000.00'
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 e = 3.40%
 Runoff = 280.00'
 Runout = 164.71'
 Design Speed = 60 mph

DITCH CONST. NOTES - RT.

STATIONS	SIZE / SHAPE	LINING	QUANTITY	D	T
849+50 TO 859+00	NORMAL DT.	NATURAL ROCK	-	-	-
859+50 TO 860+50	2' F.B. SPEC. DT.	NATURAL ROCK	-	-	-
860+50 TO 862+50	NORMAL DT.	NATURAL ROCK	-	-	-

RT. STA. 860+50 TO LT. STA. 860+50
 CONST. 106'-4" PERFORATED PIPE,
 50'-4" NON-PERFORATED PIPE &
 (1)-PERF. PIPE HDWL. TYPE 1-4 INCH

RT. STA. 859+42.83 TO
 RT. STA. 860+25.81 CONST.
 86 L.F. WOVEN WIRE
 R/W FENCE TYPE I



US 460 - SECTION 8A
 MAINLINE PLAN
 STA. 849+50 TO STA. 862+50

SCALE: 1"=50'

MATCH LINE SHEET R6A