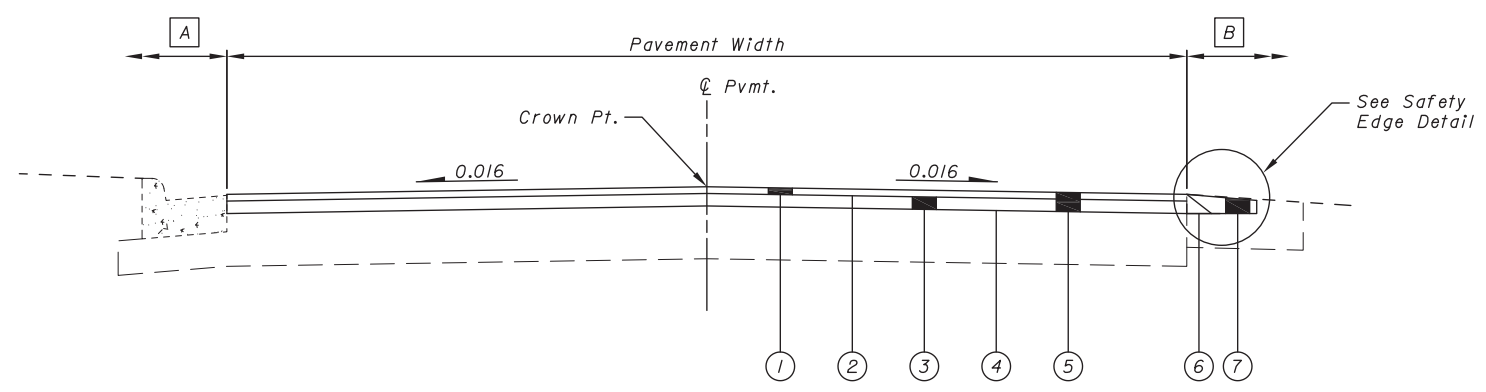




**LEGEND**

- ① Item 441 1/4" Asphalt Concrete Surface Course, Type I, (448), P664-22
- ② Item 407 Non-Tracking Tack Coat (0.05 Gal./S.Y.)
- ③ Item 441 1 3/4" Asphalt Concrete Intermediate Course, Type I (448)
- ④ Item 407 Non-Tracking Tack Coat (0.08 Gal./S.Y.)
- ⑤ Item 254 Pavement Planing, Asphalt Concrete (3" Depth)
- ⑥ Item 209 Preparing Subgrade for Shoulder Paving, As Per Plan
- ⑦ Item 617 Compacted Aggregate
- ⑧ Item 204 Subgrade Compaction\*
- ⑨ Item 411 4" Stabilized Crushed Aggregate\*
- ⑩ Item 608 4" Concrete Walk (6"-8" at Drives)
- ⑪ Item 653 Topsoil Furnished and Placed\*  
Item 659 Seeding and Mulching\*  
Item 659 Commercial Fertilizer\*

\* Included with Item 608 for payment.



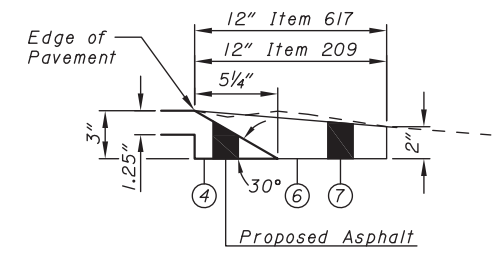
**NORMAL SECTION**

Sta. 105+68 to Sta. 114+61 = 893 Ft.  
Sta. 117+47 to Sta. 146+50 = 2,903 Ft.  
Sta. 153+00 to Sta. 204+12 = 5,112 Ft.  
Total = 8,908 Ft.

**Notes**

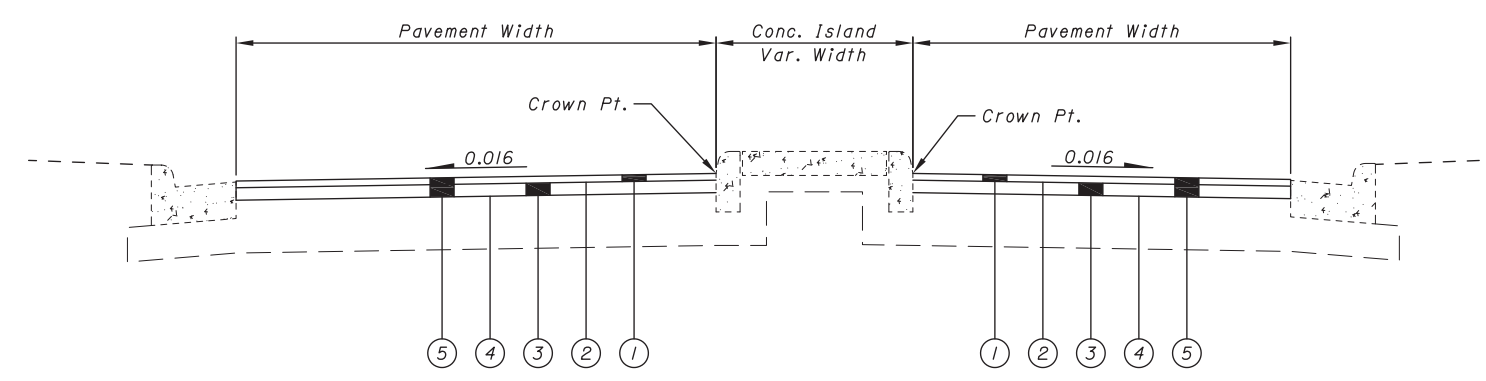
Refer to Typical Walk Section for walk limits.

- [A] Applies to section with curb (Typ., mirror for opposite side)
- [B] Applies to section without curb (Typ., mirror for opposite side)



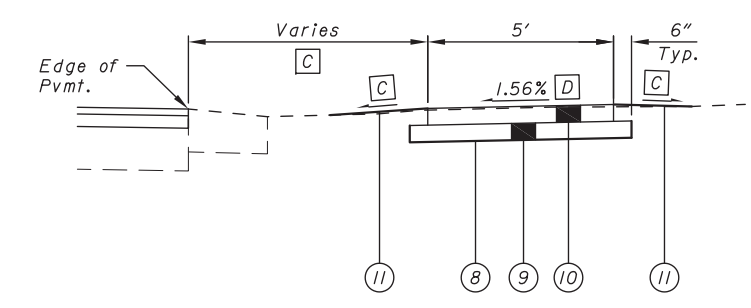
**SAFETY EDGE DETAIL**

Mirror for opposite side.  
For more information regarding safety edge, see General Notes.



**NORMAL SECTION**

Sta. 104+35 to Sta. 105+68 = 133 Ft.  
Total = 133 Ft.



**TYPICAL WALK SECTION**

Sta. 141+82.86 to Sta. 146+50.00 = 467.14 Ft.  
Sta. 153+00.00 to Sta. 165+40.00 = 1,240.00 Ft.  
Total = 1,707.14 Ft.

- [C] Refer to Cross Sections
- [D] Cross Slope direction varies. Refer to Cross Sections.

STANDARD SPECIFICATIONS

The Construction and Material Specifications (CMS) of the State of Ohio Department of Transportation dated January 1, 2023, including any changes and supplemental specifications listed hereon, shall govern this project.

CALCULATION OF QUANTITIES

The calculation of quantities incorporated in the General Summary is on file and available for review at the Office of the Erie County Engineer.

DOMESTIC STEEL

DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN SECTION 153.011 OF THE OHIO REVISED CODE APPLY TO THIS PROJECT. COPIES OF SECTION 153.011 OF THE OHIO REVISED CODE MAY BE OBTAINED FROM ANY OF THE OFFICES OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES.

UTILITIES

Listed below are all utilities located within the project construction limits together with their respective owners:

- ELECTRIC:** Ohio Edison Company  
2508 W. Perkins Ave.  
Sandusky, OH 44870  
(419) 627-6889
- GAS:** Columbia Gas of Ohio  
1800 Broad Ave.  
Findlay, OH 45840  
(419) 427-3227
- COMMUNICATIONS**
  - Buckeye Broadband  
2700 Oregon Rd.  
Northwood, OH 43619  
(419) 724-3713
  - A T & T  
130 N. Erie St. Rm. 206  
Toledo, OH 43604  
(419) 245-5004
  - Omni Fiber  
Address  
Address  
Phone Number
- WATER & SANITARY SEWER:** Erie County Department of Environmental Services  
554 River Rd.  
Huron, Oh 44839  
(419) 433-7303

The location of the underground utilities shown on the plans are as obtained from the owners as required by section 153.64 O.R.C.

WORK LIMITS

The work limits shown on these plans are for physical construction only. Provide the installation and operation of all work zone traffic control and work zone traffic control devices required by these plans whether inside or outside these work limits.

ADJUSTMENT OF WATER MAIN STRUCTURES

Adjustment to grade of all water main structures and appurtenances shall meet the requirements of the plans, CMS 638 and the specifications of the Erie County Department of Environmental Services (D.O.E.S.). Where a conflict exists between CMS 638 and D.O.E.S. specifications, precedence shall be given to D.O.E.S. specifications.

Erie County D.O.E.S. water standard details and specifications may be viewed at the following web site:

<https://www.eriecounty.oh.gov/StandardsandSpecifications.aspx>

MANHOLES, CATCH BASINS, AND INLETS

For new construction, reconstruction, and adjustment to grade of manholes, catch basins, and inlets, use only precast concrete sections conforming to 706.I3, or masonry units conforming to 704.01 (fired brick). Do not use 704.02 or 704.03 masonry units or metal adjusting rings. The cost of these operations is considered included in the respective Bill item.

PREPARING SUBGRADE FOR SHOULDER PAVING

Prepare the shoulder for paving a consistent safety edge in both thickness and width. Perform this work per CMS 209. Compact the graded shoulder according to CMS 617.05, or as directed by the Engineer.

A quantity of 3.40 Miles has been carried to the general summary for Item 209, Preparing Subgrade for Shoulder Paving.

ITEM 614 - MAINTAINING TRAFFIC

Two-way traffic shall be maintained on Campbell St. for the duration of this project, except as otherwise noted in these plans.

All signs, sign supports, and barricades shall be in accordance with this plan, the Ohio Manual of Uniform Traffic Control Devices, and CMS 614.

For paving operations, ingress/egress shall be maintained at all drives within the limits of the project. Should any drive require a temporary, short-term closure, notify the Engineer and coordinate the work in advance with the property owner(s). Special care shall be taken when working the vicinity of the Perkins Township Fire Station at 3003 Campbell St. to ensure that ingress/egress by emergency vehicles is not obstructed during paving operations.

For sidewalk construction, drives within the sidewalk limits may require closure. Coordinate all such closures in advance with the property owner(s).

All work, flagging, and traffic control devices shall be in accordance with CMS 614 and other applicable portions of the Specifications, as well as the Ohio Manual of Uniform Traffic Control Devices. Payment for all labor, equipment and materials shall be included in the lump sum contract price for Item 614, Maintaining Traffic, unless separately itemized in the plan.

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

Use of law enforcement officers (LEOs) by Contractors other than the uses specified below will not be permitted at project cost. LEOs should not be used where the OMUTCD intends that flaggers be used.

In addition to the requirements of CMS 614 and the OMUTCD, a uniformed LEO with an official patrol car (car with top-mounted emergency flashing lights and complete markings of the appropriate law enforcement agency) shall be provided for the following traffic control tasks:

1. During the entire advance preparation and closure sequence where complete blockage of traffic is required.

2. During construction operations within and adjacent to the following intersections:

- Campbell St. and Bogart Rd.
- Campbell St. and Strub Rd.
- Campbell St. and Marshall Ave.
- Campbell St. and Bell Ave.

when impacting the normal flow of traffic or when traffic needs to be directed through an energized traffic signal contrary to the signal display (e.g., directing motorists through a red light).

LEOs should not forgo their traffic control responsibilities to apprehend motorists for routine traffic violations. However, if a motorist's actions are considered to be reckless, then pursuit of the motorist is appropriate.

The LEOs work at the direction of the Contractor. The Contractor is responsible for securing the services of the LEOs with the appropriate agencies and communicating the intentions of the plans with respect to duties of the LEOs. The Engineer shall have final control over the LEOs' duties and placement, and will resolve any issues that may arise between the two parties.

The LEO shall report in to the Contractor prior to the start of the shift, in order to receive instructions regarding specific work assignments during his/her shift. The LEO is expected to stay at the project site for the entire duration of his/her shift. The LEO shall report to the Contractor at the end of his/her shift. Once the LEO has completed the duties described above and still has time remaining on his/her shift, the LEO may be asked to patrol through the work zone (with flashing lights off) or be placed at a location to deter motorists from speeding. Should it be necessary to leave the project site, the LEO shall notify the Engineer. The Contractor shall provide the LEO with a two-way communication device which shall be returned to the Contractor at the end of his/her shift.

LEOs with patrol car required by the traffic maintenance tasks above shall be paid for on a unit price (hourly) basis under Item 614, Law Enforcement Officer With Patrol Car For Assistance. The following estimated quantities have been carried to the General Summary.

Item 614, Law Enforcement Officer With Patrol Car For Assistance, 120 hours

The hours paid shall include any minimum show-up time required by the law enforcement agency involved.

Any additional costs (administrative or otherwise) incurred by the Contractor to obtain the services of an LEO are included with the bid unit price for Item 614, Law Enforcement Officer With Patrol Car For Assistance.

PLACEMENT OF ASPHALT CONCRETE

Two-way traffic shall be maintained at all times except that one-way traffic will be permitted for minimum periods of time consistent with the requirements of the specifications for protection of completed asphalt concrete courses.

WORK ZONE PAVEMENT MARKINGS

Work zone pavement markings shall be placed on each roadway segment after each general phase of work as indicated below:

Phase 1. Pavement planing operations.

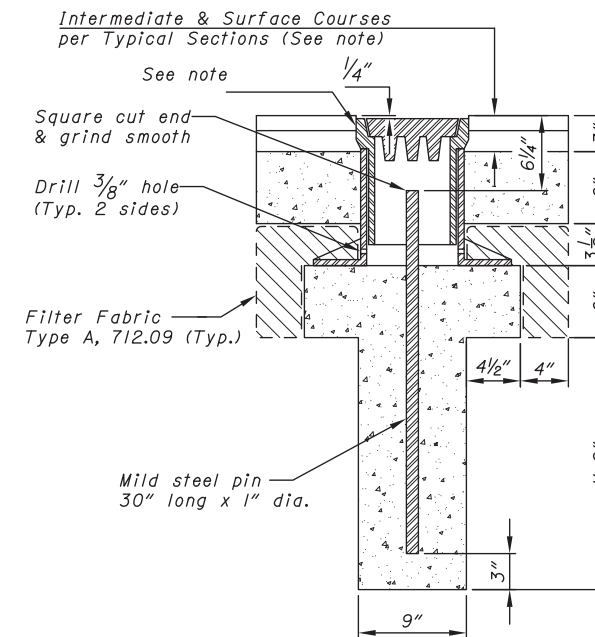
Phase 2. Placement of the asphalt concrete intermediate course.

Phase 3. Placement of the asphalt concrete surface course.

Work zone pavement markings phase may be omitted after a phase provided work for the next phase, or placement of permanent pavement markings, begins within 2 calendar day of completing work on the previous phase.

The following estimated quantities have been carried to the general summary for use as indicated:

614, Work Zone Center Line, Class I, 6.00 Mi.



**ITEM 623 MONUMENT ASSEMBLY**  
Not to scale

Note.  
Install and adjust monument assemblies prior to placement of asphalt concrete intermediate and surface courses.

LEGEND

- NO. 57 STONE
- ITEM 511 CLASS QC1 CONCRETE

CALCULATED  
M/JR  
CHECKED  
M/JR

GENERAL NOTES

ERI-CR 110-1.97



CALCULATED M/JR  
CHECKED M/JR

# RESURFACING

## ERI-CR 110-1.97

5  
PP

### CAMPBELL ST. RESURFACING SUBSUMMARY

LENGTH				AVERAGE PAVEMENT WIDTH		209		254		407		441		609		617		611		623	
				FT.	MI.	S.Y.	GAL.	GAL.	C.Y.	C.Y.	FT.	C.Y.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
104+35	114+61	1026	0.194	29.0	0.388	3306	265	166	161	120	100	146									
117+47	146+50	2903	0.550	26.4	1.100	8516	682	426	414	310	100	146									
153+00	180+06	2706	0.513	24.4	1.026	7337	587	367	357	268		136									
180+06	204+12	2406	0.456	26.4	0.912	7058	565	353	344	257		121									
						3.43	26217	2099	1312	1276	955	100	455								



BEGIN PROJECT  
BEGIN WORK  
CAMPBELL ST.  
STA. 104+35  
E230486

END PROJECT  
END WORK  
CAMPBELL ST.  
STA. 204+12  
E230486

WORK BY  
SEPARATE CONTRACT  
ERI-CR 110-2.83  
PID 118819

☐ CAMPBELL ST. STA. 103+81=  
☐ BOGART RD.

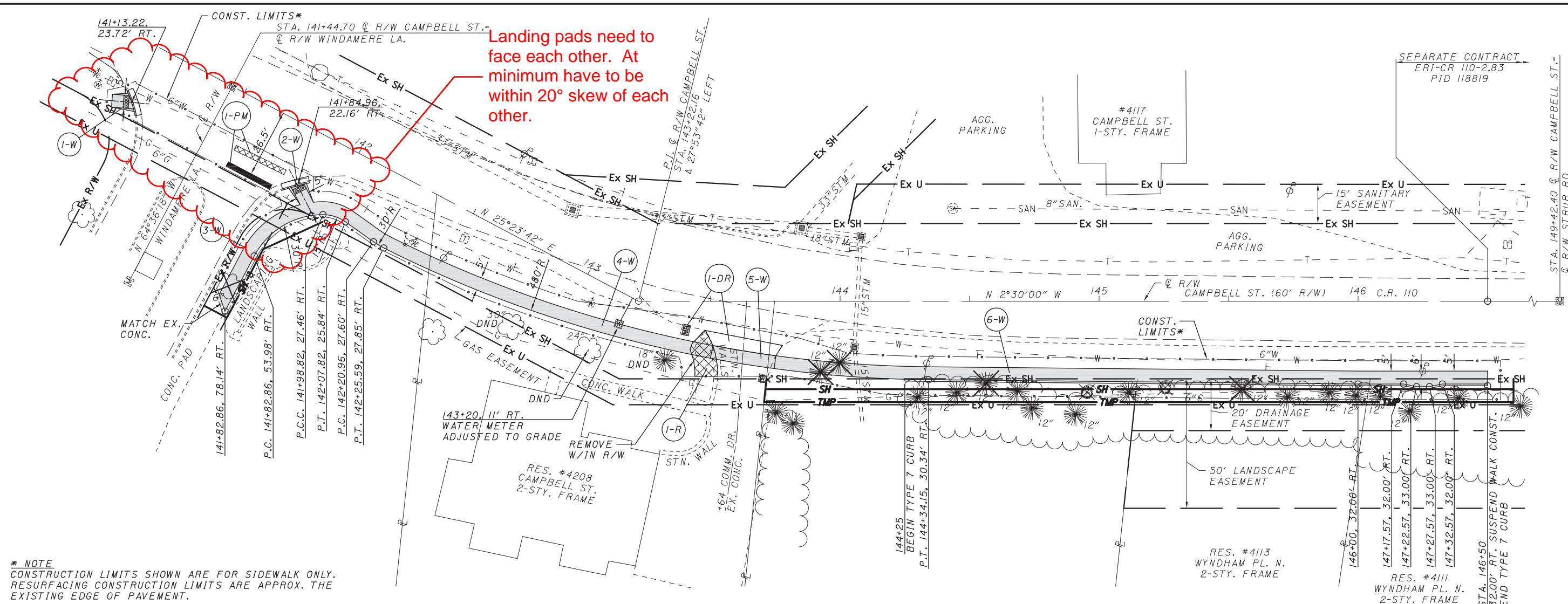
☐ CAMPBELL ST. STA. 203+15=  
☐ BELL AVE.



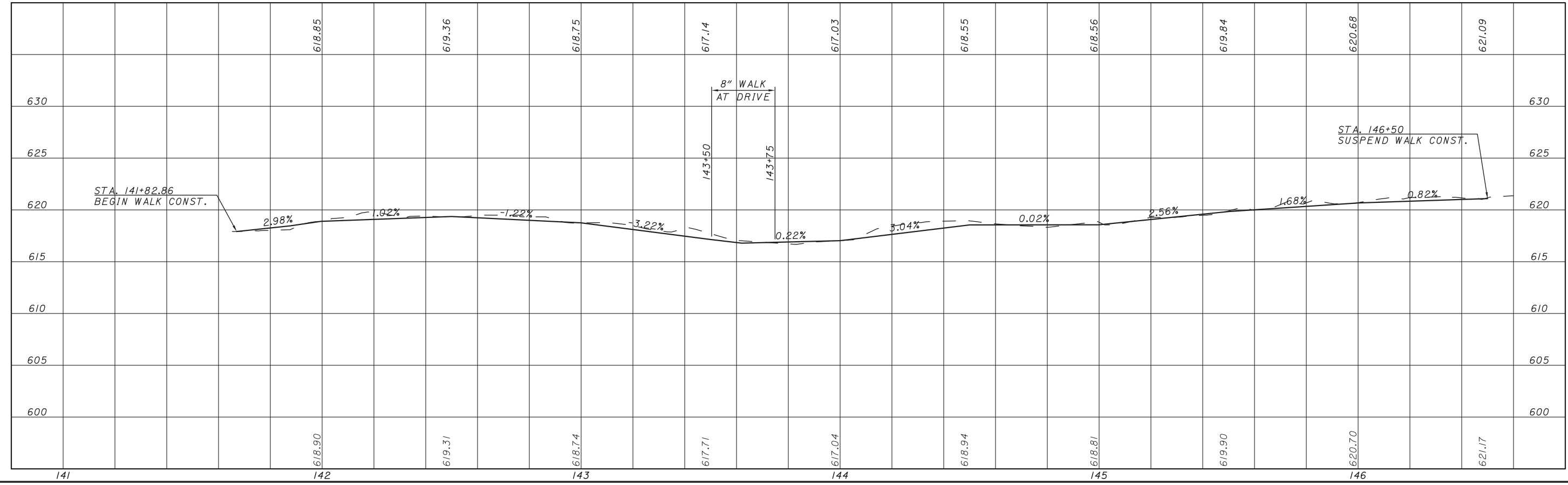
CALCULATED M/JR  
CHECKED M/JR

PLAN AND PROFILE (SIDEWALK)  
STA. 141+00 TO STA. 146+60

ERI-CR 110-1.97



\* NOTE  
CONSTRUCTION LIMITS SHOWN ARE FOR SIDEWALK ONLY.  
RESURFACING CONSTRUCTION LIMITS ARE APPROX. THE  
EXISTING EDGE OF PAVEMENT.





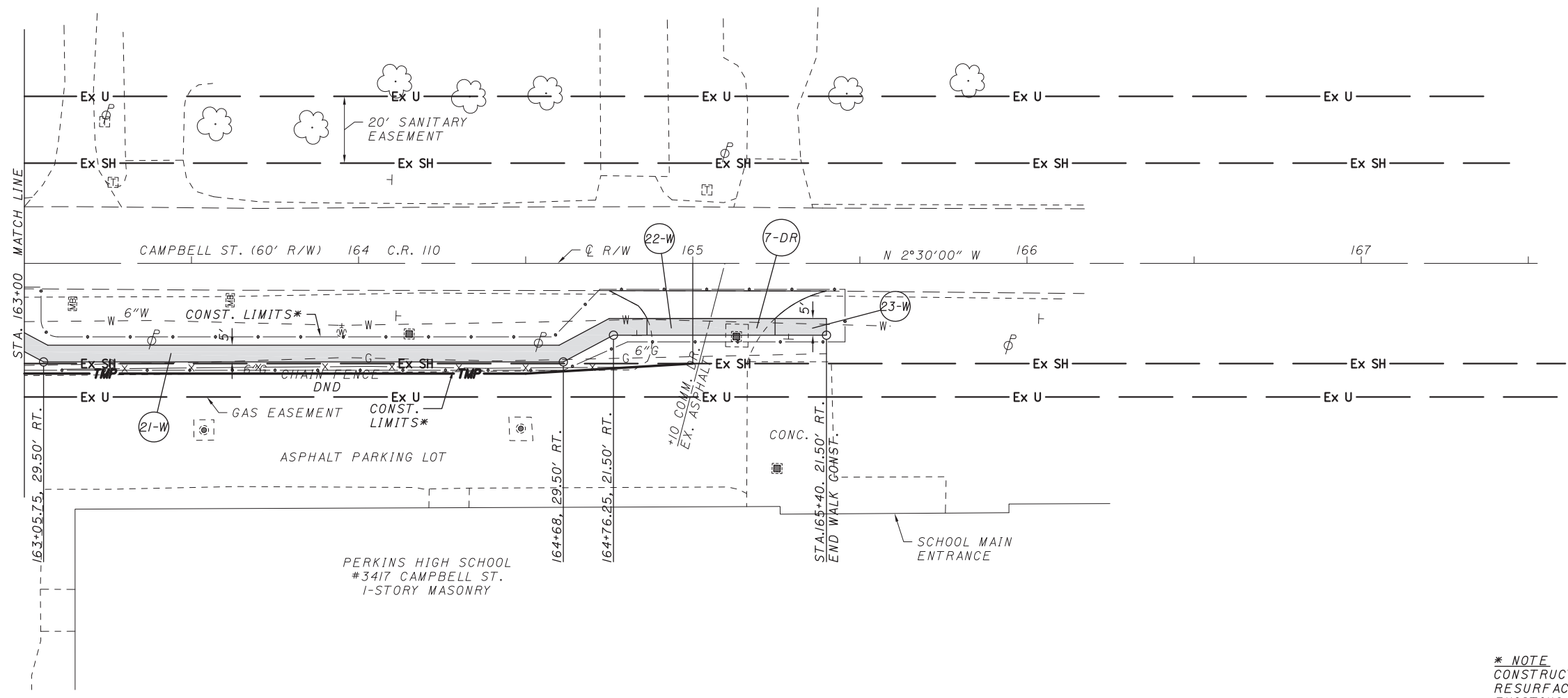




CALCULATED M/JR  
CHECKED M/JR

**PLAN AND PROFILE (SIDEWALK)**  
**STA. 163+00 TO STA. 167+00**

**ERI-CR 110-1.97**



\* NOTE  
 CONSTRUCTION LIMITS SHOWN ARE FOR SIDEWALK ONLY.  
 RESURFACING CONSTRUCTION LIMITS ARE APPROX. THE  
 EXISTING EDGE OF PAVEMENT.

