

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	SANGAMON	559	345	3 SHEETS
FED. ROAD DIST. NO. 7				
ILLINOIS FED. AID PROJECT				
*02-00382-02-PV				
				CONTRACT NO. 72541

GENERAL NOTES

Construct Roadway Embankment to Elevation 616.00 Minimum and allow a 7 month settling period prior to constructing Pedestrian Underpass.

The Top and Sides of the Box Culvert & Back Face of Wingwalls and Headwalls shall be waterproofed according to article 503.18 of the Standard Specifications for Road and Bridge construction.

Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60 for deformed bars.

Nonmetallic Water Seal, Waterproofing, Concrete Nails and 1/2" Premolded Joint Filler shall be included with the cost for 'Concrete Box Culverts'.

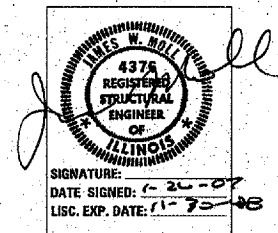
Backfill around Box Culvert and Wing Walls with a minimum of 1'-0" of Porous Granular Embankment (Special). Structure Excavation material containing Coal Combustion Byproduct (CCB) may be used for Embankment. In those areas shown as CCB, CCB backfill or Embankment shall not be placed within 1'-0" of Cast-in-place Concrete Structures. See Roadway Plans.

Place soil and aggregate base course on top of apron slab prior to backfilling behind wingwalls.

Bars Indicated thus 12 x 4 - #5 etc. Indicates 12 lines of bars with 4 lengths per line.

All construction joints shall be bonded. Precast Alternative will not be allowed.

The top of the bottom slab shall be given a final finish by brushing except the surface shall not be divided by grooves. See Article 424.06 of the Illinois Department of Transportation, Standard Specifications for Road and Bridge Construction. Cost shall be included with "Concrete Box Culverts".



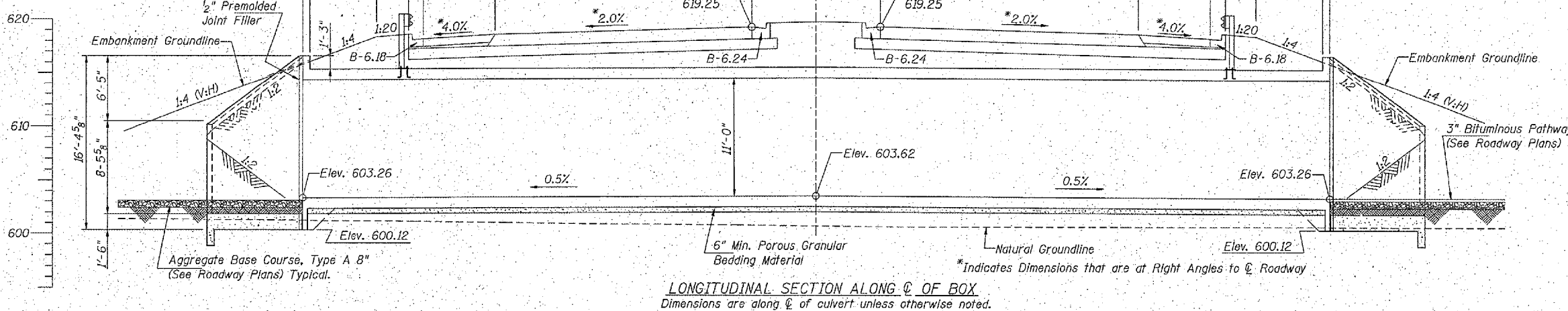
Corporate License Number 184-001-084

PEDESTRIAN UNDERPASS - G.P. & E.
MacARTHUR BLVD. over INTERURBAN TRAIL
SECTION 02-00382-02-PV
SANGAMON COUNTY
STATION 810+50.00
STRUCTURE NO. 084-7009



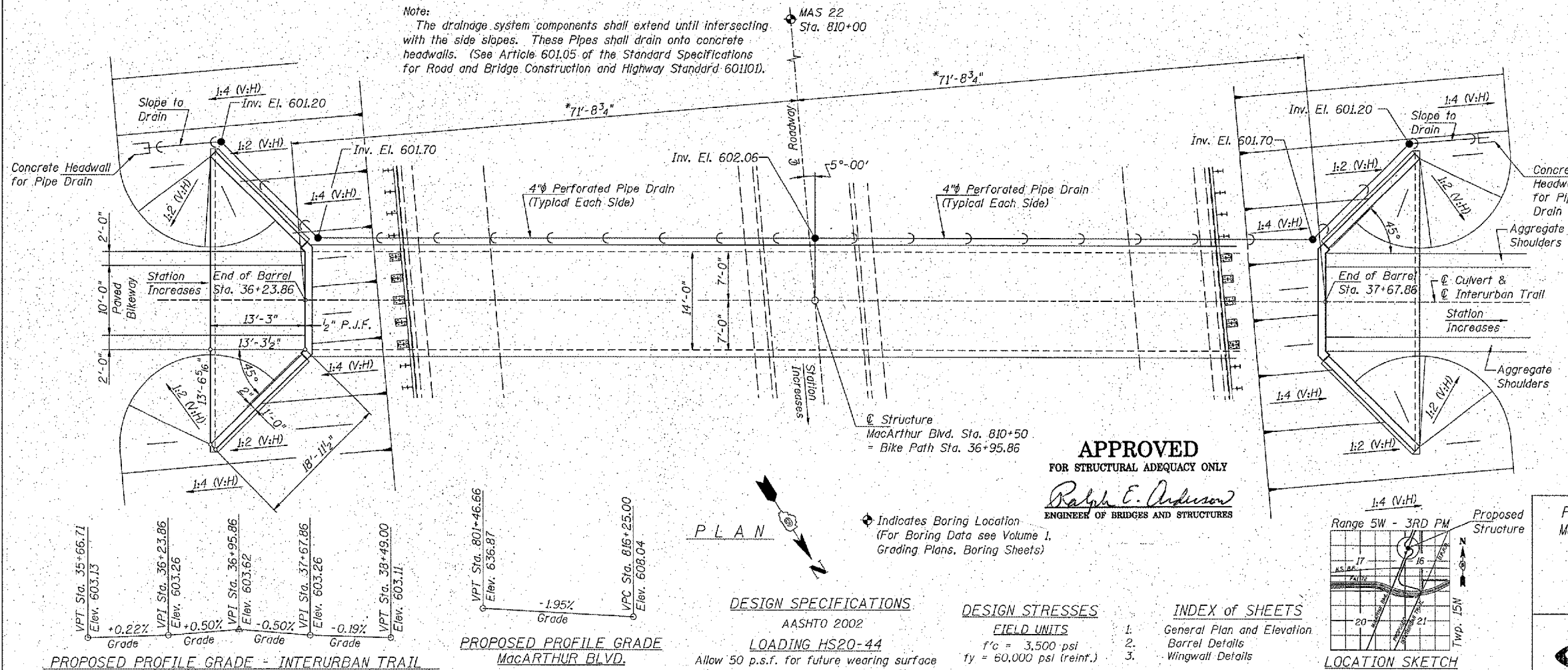
Bench Mark:
IDOT BM #15 Chiseled square at the southeast quadrant of the intersection of West Grand Avenue and Hazel Dell Road. Benchmark is located 33 feet south of the centerline of Hazel Dell Road on a headwall of a concrete pipe culvert.
NAVD88 El. 602.47

Existing Structure: None



LONGITUDINAL SECTION ALONG C OF BOX
Dimensions are along C of culvert unless otherwise noted.

Note:
The drainage system components shall extend until intersecting with the side slopes. These Pipes shall drain onto concrete headwalls. (See Article 601.05 of the Standard Specifications for Road and Bridge Construction and Highway Standard 601101).



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS

AASHTO 2002
LOADING HS20-44
Allow 50 p.s.f. for future wearing surface

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
ty = 60,000 psi (reinf.)

INDEX of SHEETS
1. General Plan and Elevation
2. Barrel Details
3. Wingwall Details

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PROPOSED PROFILE GRADE - INTERURBAN TRAIL

PROPOSED PROFILE GRADE
MacARTHUR BLVD.

