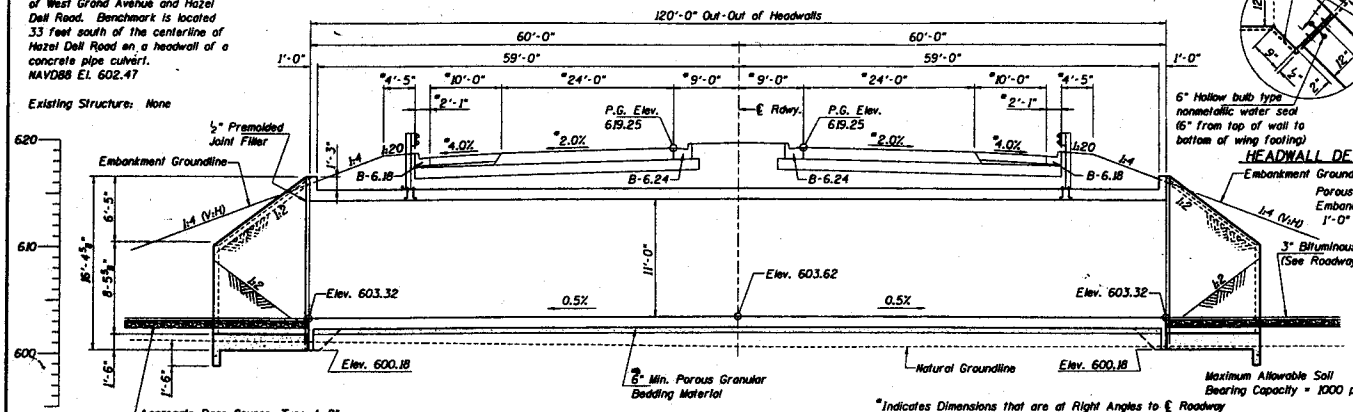
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		SANGAMON		

SHEET NO. 1
1 SHEETS
*02-00382-02-PV
CONTRACT NO. 72541

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

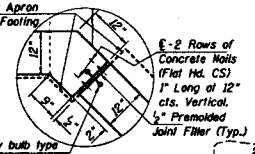
Existing Structure: None



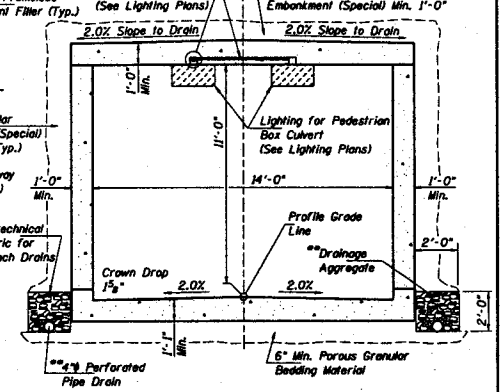
*Indicates Dimensions that are at Right Angles to ℄ Roadway

LONGITUDINAL SECTION ALONG ℄ OF BOX

Dimensions are along ℄ of culvert unless otherwise noted.
Note: Precast Alternative will not be allowed



HEADWALL DETAIL



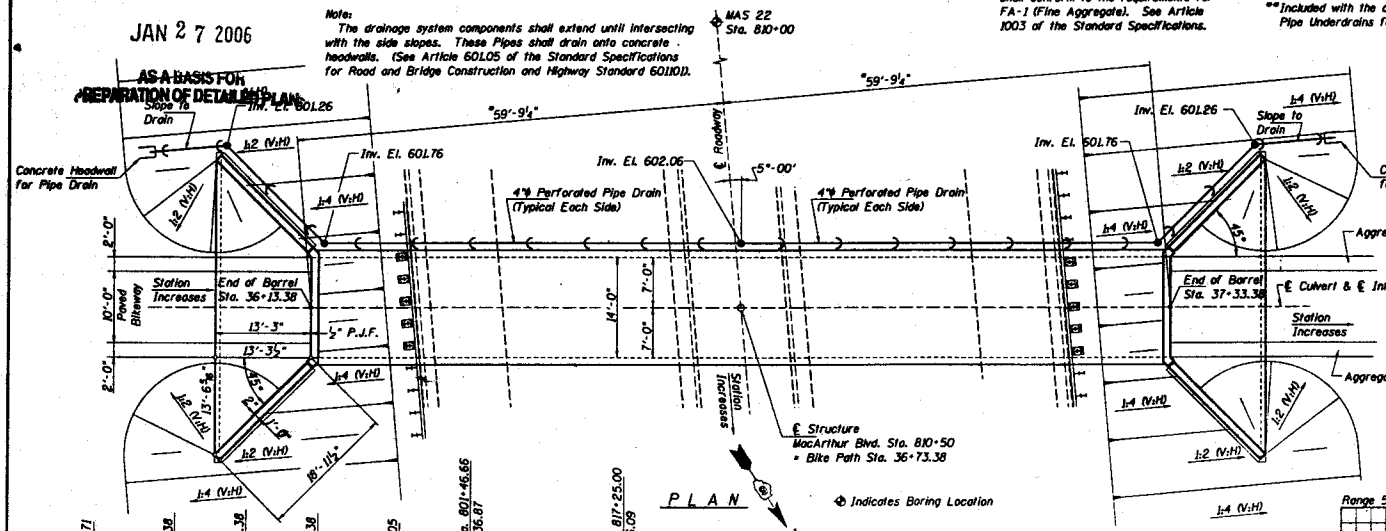
TYPICAL SECTION THRU BOX CULVERT

**Included with the cost for Pipe Underdrains for Structures

APPROVED
JAN 27 2006
AS A BASIS FOR PREPARATION OF DETAILED PLANS

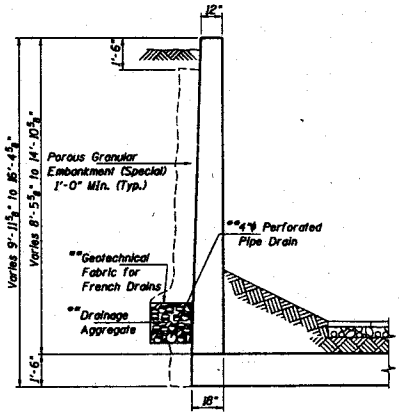
Note:
The drainage system components shall extend until intersecting with the side slopes. These Pipes shall drain onto concrete headwalls. (See Article 601.05 of the Standard Specifications for Road and Bridge Construction and Highway Standard 601101D.

Note:
Porous Granular Embankment (Special) shall conform to the requirements for FA-1 (Fine Aggregate). See Article 1003 of the Standard Specifications.



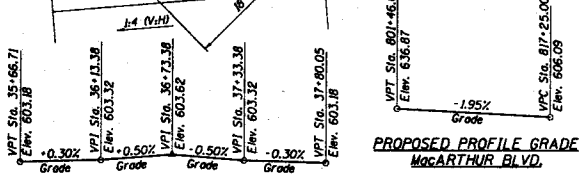
PLAN

Indicates Boring Location



TYPICAL SECTION THRU WINGWALL

Corporate License Number 184-001-084



PROPOSED PROFILE GRADE - INTERURBAN TRAIL

PROPOSED PROFILE GRADE MacARTHUR BLVD.

DESIGN SPECIFICATIONS

AASHTO 2002

LOADING HS20-44

Allow 50 p.s.f. for future wearing surface

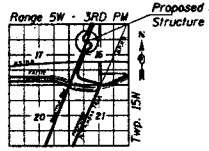
HIGHWAY CLASSIFICATION

FAU 8071 MacArthur Blvd.

DHV: 1210 (2023)
ADT: 26600 (2023)
ADTT: 530 (2023)
Design Speed = 45 mph
Posted Speed = 45 mph

DESIGN STRESSES

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



LOCATION SKETCH

PEDESTRIAN UNDERPASS - T.S.L.
MacARTHUR BLVD. over INTERURBAN TRAIL
SECTION 02-00382-02-PV
SANGAMON COUNTY
STATION 810+50.00
STRUCTURE NO. 084-7009

JOB NO.	96S2002b
DATE	01/27/06