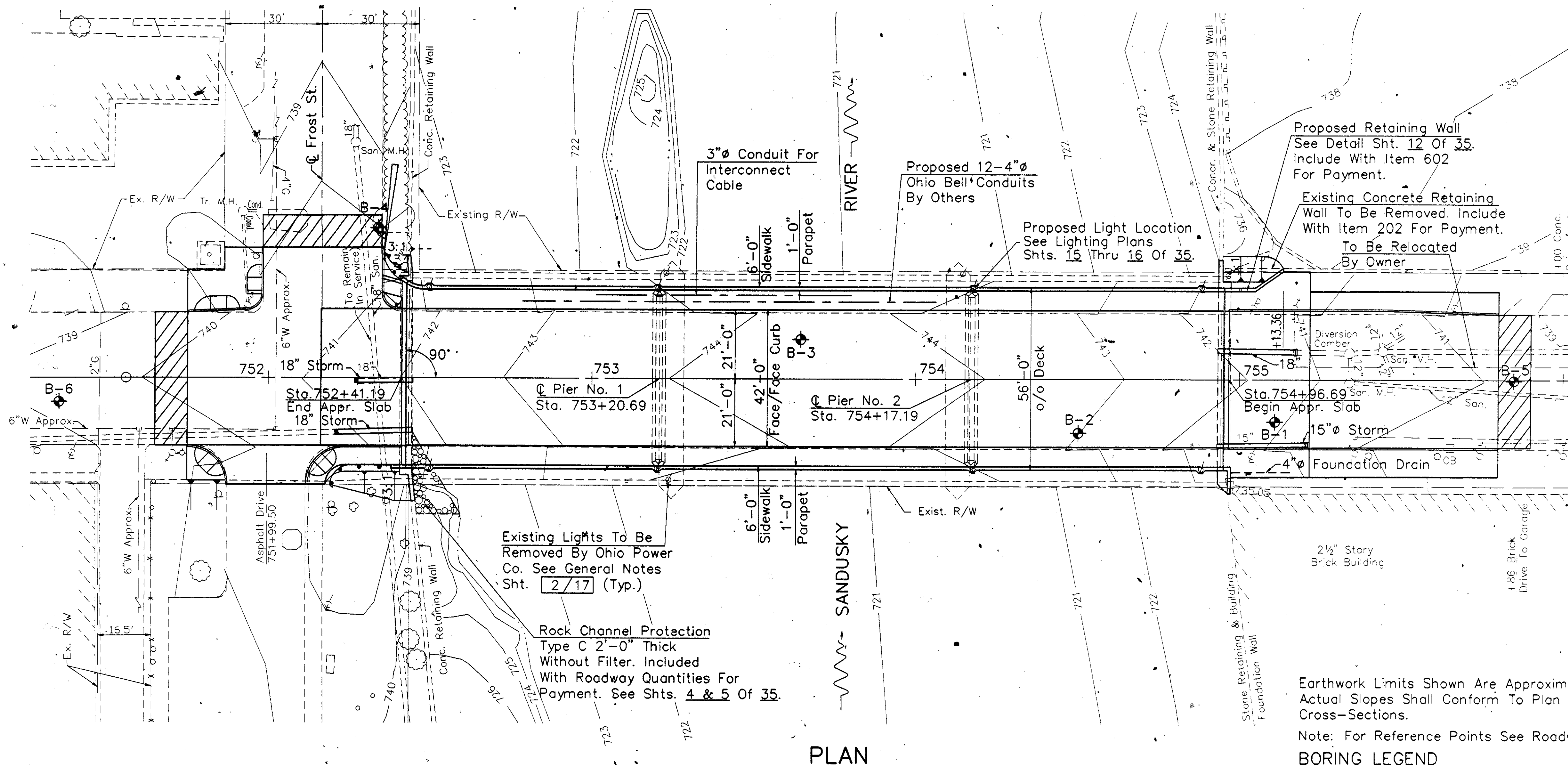




S.R.-18(Market St.)
Survey & Construction
(N 83°-33'-09" E)

HYDRAULIC DATA

$V_{25} = 7.0$ f.p.s. $Q_{25} = 22,000.00$ c.f.s.
 $V_{100} = 7.6$ f.p.s. $Q_{100} = 27,000.00$ c.f.s.
 Drainage Area = 966.0 Sq. Mi.

BENCH MARK EL.739.85

"+" On N.E. Bolt Of Fire Hydrant At S.W. Corner Of Frost St. & S.R.-18(Market St.)
 Sta. 751+73.50, 23.45' Rt.

BENCH MARK EL.739.81

"+" On South Bolt Of Fire Hydrant On S.E. Corner Of First Alley East Of Bridge On S.R.-18 (Market St.)
 Sta. 756+54.29, 23.11' Rt.

DESIGN TRAFFIC

2012 ADT = 15309
 2012 ADTT = 306

EXISTING STRUCTURE

(To Be Removed As Per Item 202)

TYPE: 3-Span Earth Filled Concrete Arch With Concrete Integral Piers And Abutments.

SPANS: 79'-9", 90'-6", 79'-9" c/c Bearings

ROADWAY: 41'-11" f/f Curbs With 9'-10" Sidewalks

LOADING: HS-15

SKEW: None

WEARING SURFACE: Bituminous

APPROACH SLABS: None

ALIGNMENT: Tangent

DATE CONSTRUCTED: 1914

CONDITION: Poor

STRUCTURE FILE NO.: 740067

PROPOSED STRUCTURE

TYPE: Continuous A572 Steel Composite Haunched Girder Bridge With Reinforced Concrete Deck & Substructure

SPANS: 77'-3", 96'-6", 77'-3" c/c Bearing

ROADWAY: 42'-0" f/f Curbs With 6'-0" Sidewalks

LOADING: HS20-44, Case II, And Alternate Military Loading

SKEW: None

WEARING SURFACE: Monolithic concrete

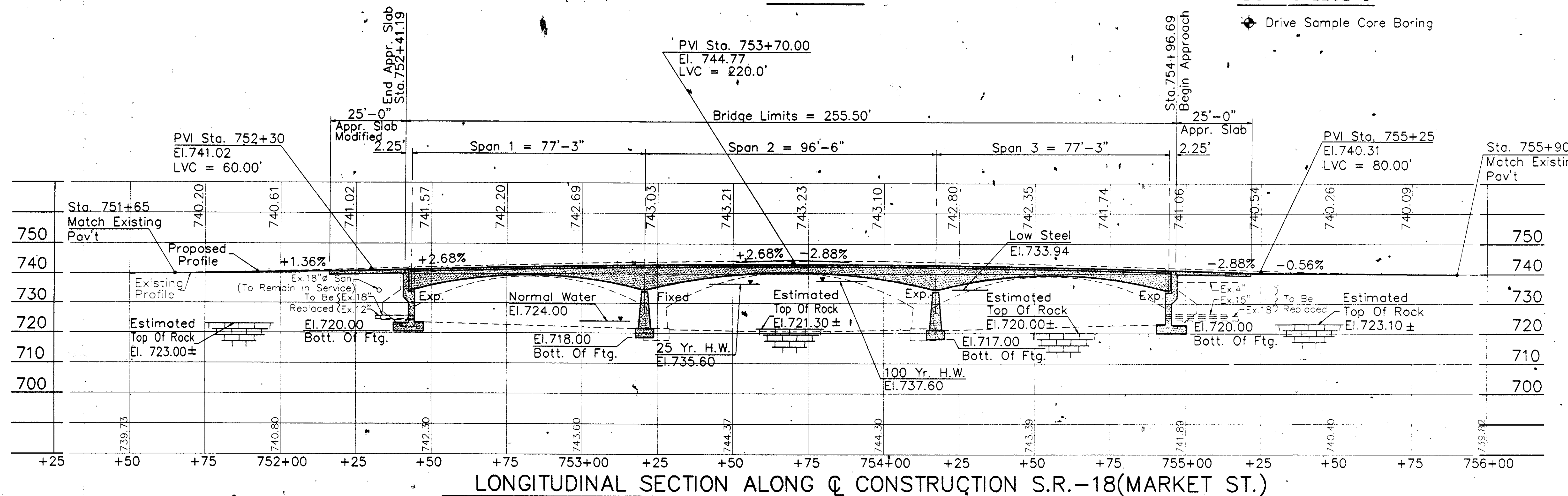
APPROACH SLABS: REAR, 25'-0" Long AS-1-81 Modified

FWD, 25'-0" Long AS-1-81

ALIGNMENT: Tangent

SUPERELEVATION: None

CROWN: 3/16"/ft.



MANNIK & SMITH, INC. 1 / 17
 CONSULTING ENGINEERS & SURVEYORS TOLEDO, OHIO

SITE PLAN

Bridge No. SEN-18-1425
 S.R.-18(Market St.) Over Sandusky River

Seneca County Sta. 752+41.19 To Sta. 754+96.69

DESIGNED GAS	DRAWN GAS	CHECKED JTB	REVIEWED DATE JUL 2-26-93	REVISED
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