

BENCH MARK: R.R. Spike in Power Pole on S.W. Corner of 3rd Street and 11th Avenue. Elev. = 734.34

Existing Structure: SN 050-7010 built in 1912. The structure is a single span reinforced concrete slab bridge on closed abutments. Length 31' B. to B. of abutments. Clear Span of 29'. Width 51.6' O. to O. of deck.

Traffic to be maintained utilizing an unmarked detour.
No salvage.

WATERWAY INFORMATION

| DRAINAGE AREA= 3.01 SQ. MI. LOW GRADE ELEV.= 733.58 @ Sta. 3+50 | | | | | | | | | |
|---|-----------|----------|-----------------|-------|-------------|------------|-------|---------------|--------|
| FLOOD | FREQ. YR. | Q C.F.S. | OPENING SQ. FT. | | NAT. H.W.E. | HEAD - FT. | | HEADWATER EL. | |
| | | | EXIST. | PROP. | | EXIST. | PROP. | EXIST. | PROP. |
| DESIGN | 30 | 517 | 72.2 | 115.5 | 731.81 | 0.92 | 0 | 732.73 | 731.81 |
| BASE | 100 | 694 | 72.2 | 115.5 | 732.64 | 1.32 | 0 | 733.96 | 732.64 |
| OVERTOPPING | - | - | - | - | - | - | - | - | - |
| MAX. CALC. | 500 | 990 | 72.2 | 115.5 | 733.54 | 1.85 | 0.63 | 735.39 | 734.17 |

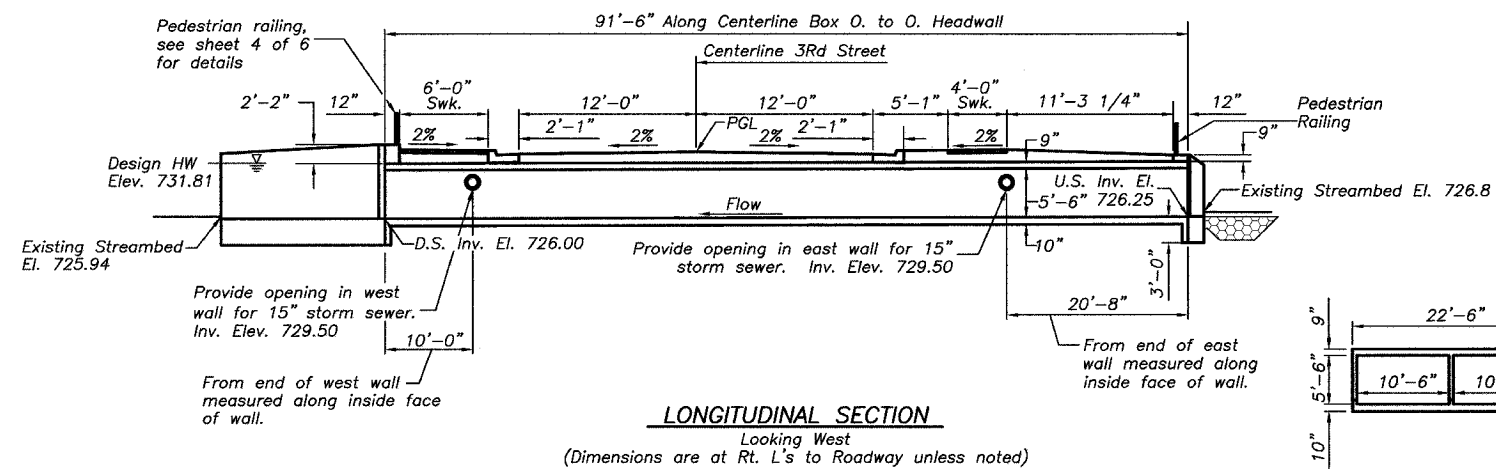
| | | | | |
|-----------|----------|---------|---------|-------|
| STATE NO. | DISTRICT | COUNTY | SECTION | SHEET |
| ** | | LASALLE | 13 | 6 |

Sheet 1 of 6 Sheets

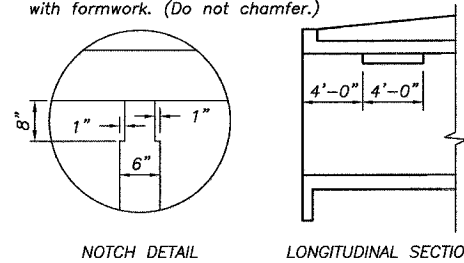
** 03-00609-00-BR
*** BRM-5044 (9)
CONTRACT NO. 87294

MENDOTA CREEK
BUILT 200_ BY
LASALLE COUNTY
SEC. 03-00609-00-BR
STA. 3+97.85
F.A.U. PROJ. BRM-5044 (9)
STR. NO. 050-7015 LOADING HS20

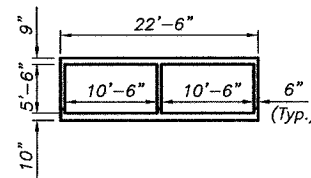
NAME PLATE
Std. 515001



Note:
Notch formed by rough-finished board attached to and removed with formwork. (Do not chamfer.)

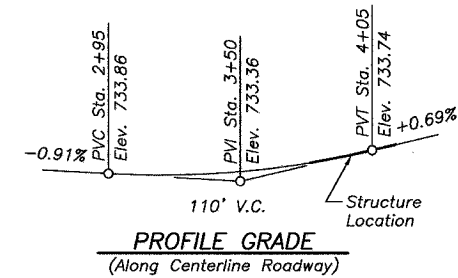


PHOEBE NESTING SITE DETAILS
(Downstream End Only)
(Interior Wall)



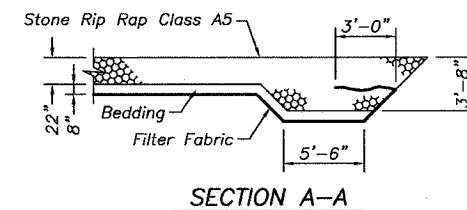
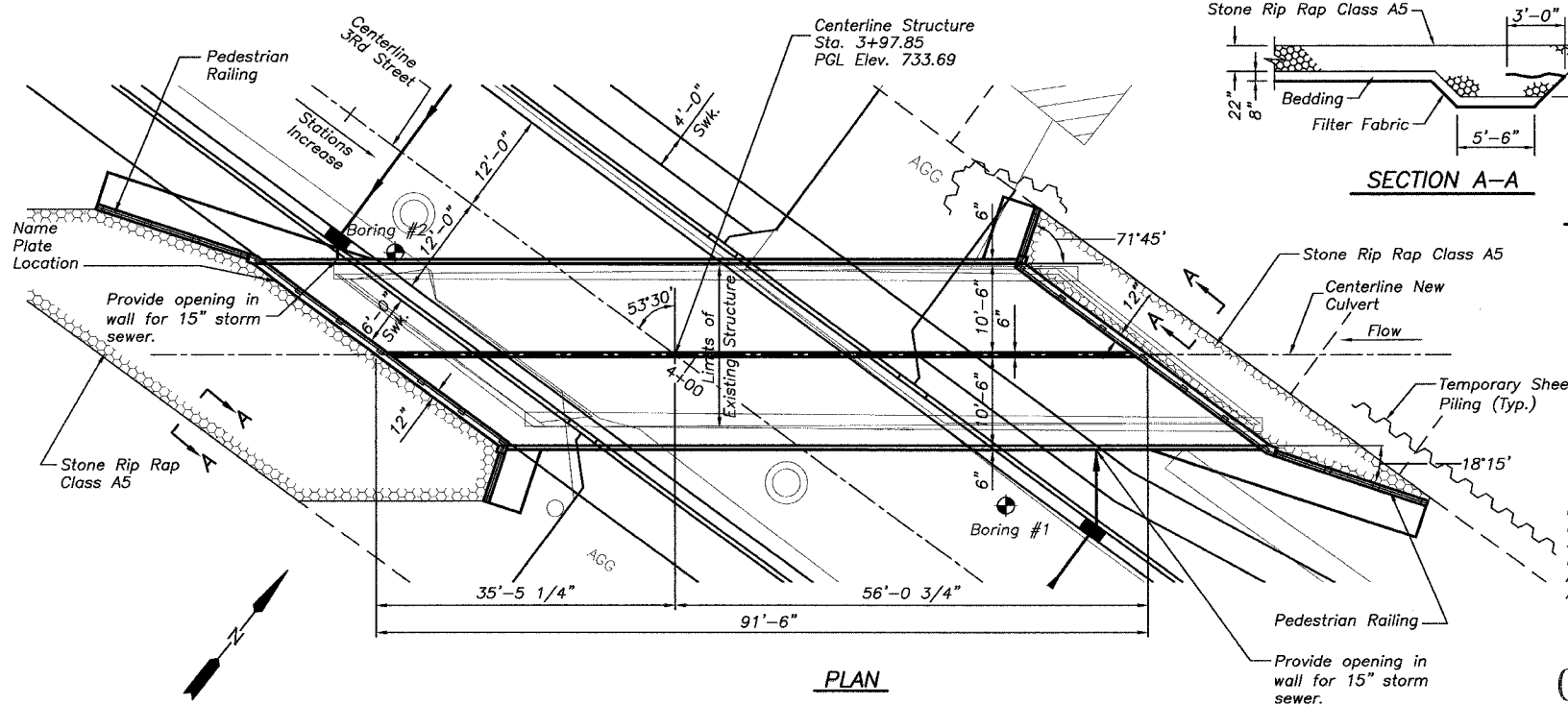
General Notes

1. For backfilling and embankment, see Standard Specifications.
2. Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.
3. Precast option is not allowed.



TOTAL BILL OF MATERIALS

| ITEM | UNIT | QUANTITY |
|-----------------------------------|-------|----------|
| Removal of Existing Structures | Each | 1 |
| Name Plates | Each | 1 |
| Concrete Box Culverts | Cu Yd | 179 |
| Stone Riprap, Class A5 | Sq Yd | 152 |
| Filter Fabric for use with Riprap | Sq Yd | 152 |
| Pedestrian Rail (Special) | Foot | 127.6 |
| Temporary Sheet Piling | Sq Ft | 914 |
| Reinforcement Bars | Pound | 43720 |
| Reinforcement Bars, Epoxy Coated | Pound | 1210 |

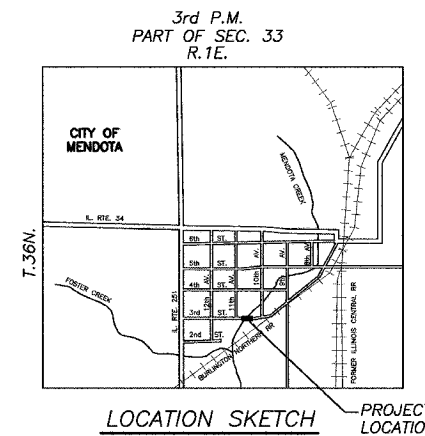


LOADING HS-20-44
ALLOW 50#/SQ. FT. FOR FUTURE WEARING SURFACE
DESIGN SPECIFICATIONS
2002 AASHTO
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 PSI
fy = 60,000 PSI (Reinf.)

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS CULVERT DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES".

CHAMLIN ASSOCIATES
PERU ILLINOIS MORRIS

11-05-04
date
JORGE L. SANCHEZ
LICENSED STRUCTURAL ENGINEER
NO. 081-006073
STATE OF ILLINOIS
signature
expires 11-30-2004
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717



GENERAL PLAN
3RD STREET
OVER MENDOTA CREEK
SECTION 03-00609-00-BR
LASALLE COUNTY
STA. 3+97.85
SN 050-7015