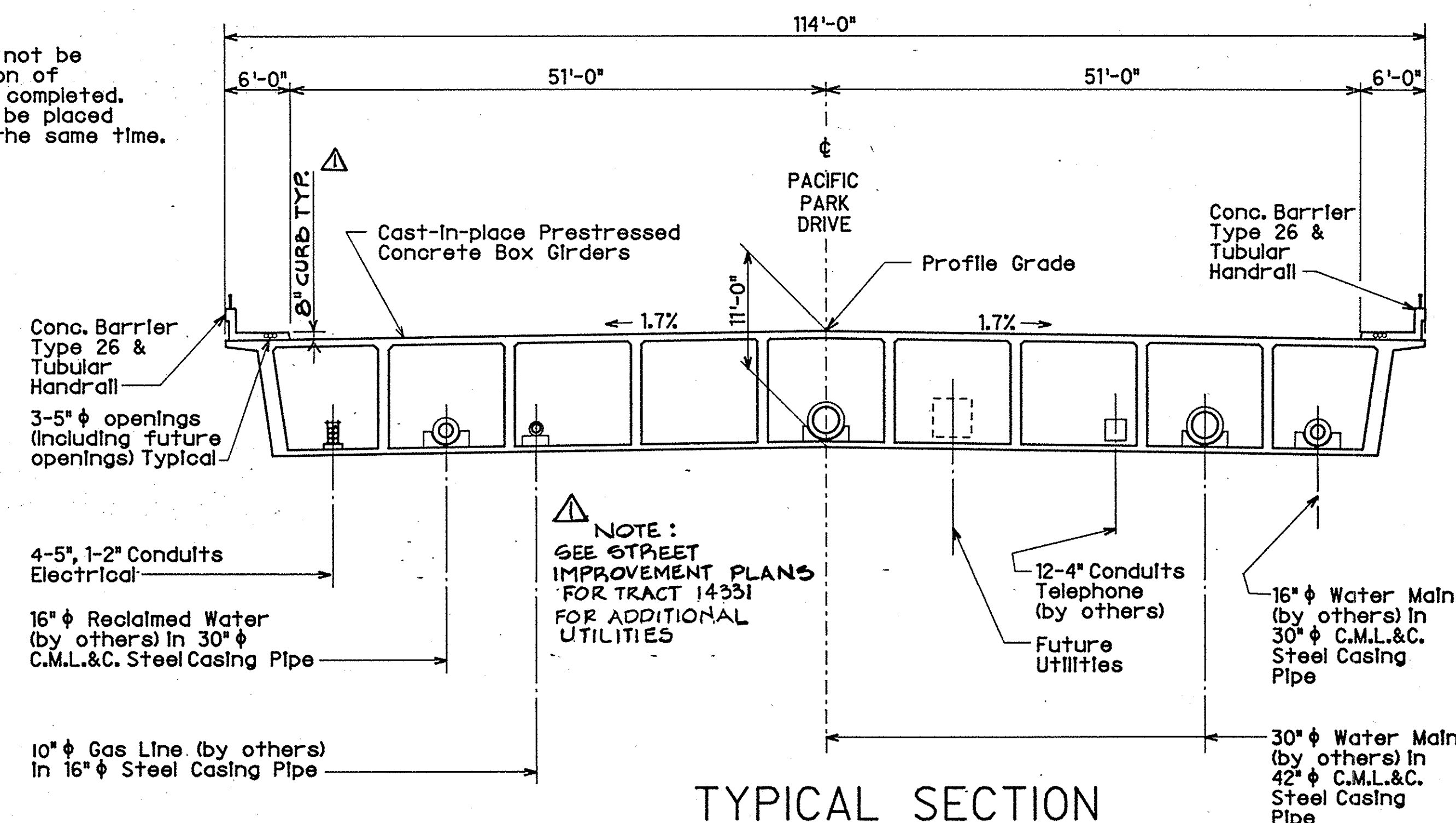




ELEVATION

$$1^n = 10^1 - 0^1$$

NOTE: See GIRDER LAYOUT AND UTILITY PLAN,
ABUTMENT 1 DETAILS and ABUTMENT 2 DETAILS
sheets for Utility Locations.

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: AASHTO dated 1983 as supplemented by
CALTRANS BRIDGE DESIGN SPECIFICATIONS inserts.

DEAD LOAD: includes 35 psf (3" A.C. Overlay) for future wearing surface.

LIVE LOADING: HS20-44, P-13 and alternative.

```
REINFORCED CONCRETE: fy = 60,000 psi  
f'c = 4,500 psi @ W.W., Abut & superstructure  
f'c = 3,250 @ retaining walls & barriers  
Transverse deck slab (working stress design)  
fs = 20,000 psi  
fc = 1,200 psi  
n = 10
```

PRESTRESSED CONCRETE: see "PRESTRESSING NOTES" on "GIRDER LAYOUT" sheet.

SEISMIC LOADING: Peak Rock Acceleration = 0.3g
Depth of Alluvium = 10-80 ft.

⚠ APPROXIMATE QUANTITIES

✓Furnish Piling (Class 100)	8692 LF
✓Prestressing of CIP Concrete	Lump Sum
✓Concrete Barrier (Type 26) 5' Sidewalk	416 LF
✓Concrete Barrier (Type 26A) 5' Sidewalk	130 LF
✓Tubular Handrail	546 LF
✓Drive Piling (Class 100)	96 EA

 FINAL QUANTITIES

Structure Excavation (Bridge)	539 CY
Structure Excavation (Retaining Wall)	139 CY
Structure Backfill (Bridge)	293 CY
Structure Backfill (Retaining Wall)	126 CY
Pervious Backfill	111 CY
Roadway Embankment	1381 CY
Bentonite Bond Breaker	7162 SF
Bar Reinforcing Steel (Bridge)	615,312 LB
Bar Reinforcing Steel (Retaining Wall)	3788 LB
Structure Concrete (Bridge-Light Weight Conc)	2266 CY
Structure Concrete (Bridge-Normal Weight Conc)	462 CY
Structure Concrete (Retaining Wall)	40 CY
Steel Pipe/Casing	1066 LF
Water Utility Pipe Support	84 EA
Electrical Mounting Bracket	41 EA
Gas Utility Casing Support	21 EA
Electrical Conduit (5")	1104 LF
Electrical Conduit (2")	2761 LF

△ CALTRANS
STANDARD PLANS DATED JULY 1992

A 62-B	Limits of Payment for Excavation and Backfill Bridge Surcharge & Walls
A 62-C	Limits of Payment for Excavation and Backfill Bridge
B0-1	Bridge Details
B0-3	Bridge Details
B0-5	Bridge Details
B3-1	Retaining Wall - Type I H = 4' - 30'
B3-8	Retaining Wall Details No. 1
B7-1	Box Girder Details
B7-10	Utility Opening Box Girder
B7-11	Utility Details
B11-51	Tubular Hand Railing
B11-54	Concrete Barrier Type 26


 Standard Plans Sheet No
 Detail No

Notes:

1. Type B Deck Drains over bike or equestrian trails shall not drain directly onto trails below. Provide lateral plumbing system to nearest adjacent typical Type B drain.
2. Typical Type B Deck Drains shall be plumbed to drain through bottom slab. See TYPICAL SECTION AND DRAIN DETAILS sheet.
3. All plumbing shall be done using 6" galvanized pipe.
4. Route gas line vent piping to clear pedestrian traffic.
5. Contractor that installs gas casing shall leave a cable inside casing to be used to pull the 10" carrier pipe through, or, a smaller cable to pull a larger cable through later.
6. Contractor shall place pullropes in all conduits (as approved by utility representative)
7. Inspection and testing of materials is to be provided by O.C.E.M.A.

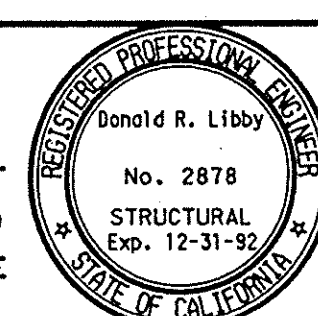
PLAN

$$T^H = 40^\circ$$

(619) 283-5424

LIBBY
ESTRUCTURAL
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SAN DIEGO, CALIFORNIA 92120



MISSION VIEJO COMPANY
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								PACIFIC PARK DRIVE BRIDGE	SHEET 2
								OVER BICYCLE AND EQUESTRIAN TRAILS, AND AWWA EASEMENT	OF 10
6/7/93 JS	A TOP OF CURB EL'S REVISED					DES BC	DWN NM, RT	1300 ft. WEST OF ALICIA PARKWAY	
11/4/92 J9	AAS NOTED					CDD MC	DATE 3-19-92		
DATE	BY	REVISION DESCRIPTION	APP'D	DATE				GENERAL PLAN	N 272'

DR3 1571