TYPICAL CROSS SECTION
DOUBLE TRACK STRUCTURE
(SUPERELEVATED SECTION SHOWN, TANGENT SECTION SIMILAR)

NOTES:
1. FOR ADDITIONAL DETAILS, SEE MAST DESIGN DRAWINGS 02-3-001R AND 02-3-011R.
2. CONCRETE BOX GIRDERS SHOWN FOR REFERENCE ONLY. DESIGN RULES CONTRACTOR SHALL DETERMINE TYPE, SIZE, AND MATERIAL OF SUPERSTRUCTURE.

DULLES CORRIDOR RAPID TRANSIT PROJECT
CAPITAL TRANSIT CONSULTANTS
FINAL GENERAL PLANS
JULY 2004

AERIAL STRUCTURES
TYPICAL SEGMENTAL GIRDER SECTION

HALF-SIZE DRAWING

REFERENCE DRAWINGS

REVISIONS

DRAWN BY: A. NAUGHTON
CHECKED BY: A. WHITENER
APPROVED BY: J. O'NEILL

CONTRACT NO.

SCALE

DRAWING NO.

GP-5-005

304
# Typical Cross Section

**Scale:** 3/8" = 1'-0"

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## Reference Drawings

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## Revisions

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## Underwater Structures

**01 Alignment Yard Connector**

**Cut and Cover Box Plan and Section**

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**Notes:**

1. Single box cut and cover tunnel for yard connector for TP yard track 2. Showing the tunnel for the YP yard connector tracks 2-3.

2. Single box cut and cover tunnels are similar except for a vertical wall separating the two.

3. For additional details, see Wasta design drawing DD-S-14.

4. For plan and profile of proposed mall, see O&M Build 0-01.

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**Dulles Corridor Rapid Transit Project**

**Capital Transit Consultants**

**Final General Plans**

**July 2004**

**Contract No.**

**Half-Size Drawing**

**Drawing No.:** O&M-S-010

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**Scale:** 3/8" = 1'-0"
TYPICAL TANGENT TUNNEL SECTION

NOTES:
1. FOR ADDITIONAL DETAILS, SEE WATA DESIGN DRAWING 04-6-013.
2. BORED TBM TUNNELS CONSTRUCTED WITH TUNNEL BORING MACHINES MAY BE USED FOR UNDERGROUND ALLEYS WITH TRACK CENTERS GREATER THAN 27'-6". AT OTHER LOCATIONS, ALTERNATE TUNNEL TYPES AND CONSTRUCTION METHODS SUCH AS CUT AND COVER BOWS AND TIPS SHALL BE USED.
TYPICAL CROSS SECTION
ELEVATION — WESTBOUND ACCESS ROAD

TYPICAL CROSS SECTION

NOTES:
1. The existing superstructure consists of concrete deck on steel rolled beams.
2. For cross section of typical ballasted bridge, see OWS, GPN-P-003.
3. Footings for the existing piers rest on sound subbase.
4. Plan nos. of existing bridges are 189-20 and 189-20A.
5. Information on this drawing has been obtained from the available existing bridge drawings.
6. For plan and profile of proposed rail, see OWS, GPN-P-002 and GPN-P-003.
TYPICAL CROSS SECTION

SCALE 1/8" = 1'-0"

NOTES:
1. THE EXISTING SUPERSTRUCTURE CONSISTS OF CONCRETE DECK ON STEEL PULLED HERRS.
2. FOOTTINGS FOR THE EXISTING PIER REST ON SOLID ROCK.
3. BRIDGE NUMBERS OF EXISTING BRIDGES ARE 1088 AND 1094. PLAN NO. ARE 1088-5 AND 1088-3A.
4. INFORMATION ON THE DRAWING WAS OBTAINED FROM THE AVAILABLE EXISTING BRIDGE DRAWINGS.
5. FOR TYPICAL CROSS SECTION AT UNDERPASSES, SEE DCS, GPN-5-002.
6. FOR PLAN AND PROFILE OF PROPOSED RAIL, SEE DCS, GPN-5-022 AND GPN-5-023.

REFERENCE DRAWINGS

INTERCHANGES
SULLY ROAD (RTE. 28)
OVER DULLES ACCESS ROAD
PLAN, ELEVATION AND SECTION
NOTES:
1. THE EXISTING OVERPASSES ARE CONSTRUCTED OF CONCRETE DECK ON STEEL PLATE GIRDERS.
2. ELEVATIONS FOR THE EXISTING DECK ARE ON COMPARED TO
3. BRIDGE NUMBER OF EXISTING BRIDGE IS 8232, PLAN
4. INFORMATION ON THIS DRAWING HAS BEEN OBTAINED FROM THE AVAILABLE EXISTING BRIDGE DRAWINGS.
TYPICAL CROSS SECTION
NOTES:
1. THE EXISTING SUPERSTRUCTURE CONSISTS OF CONCRETE DECK ON STEEL BEAMS.
2. FOUNDATIONS FOR THE EXISTING PIER REST ON COMPACTION FILL.
3. BRIDGE NUMBER OF EXISTING BRIDGE IS 5265, PLAN NO. 5265-36.
4. INFORMATION ON THIS DRAWING HAS BEEN OBTAINED FROM THE AVAILABLE EXISTING BRIDGE DRAWINGS.
5. FOR TYPICAL CROSS SECTION AT UNDERPASS, SEE DRAWING GPN-5-210.
6. FOR PLAN AND PROFILE OF PROPOSED RAIL, SEE DRAWING GPN-5-223.
TYPICAL CROSS SECTION

SCALE 1/32' = 1'-0"
ELEVATION

CROSS SECTION AT SPAN 3
SCALE: 1/32"=1'-0"

NOTES:
1. THE EXISTING SUPERSTRUCTURE CONSIDERS OF CONCRETE DECK OR STEEL TUBE SPANERS.
2. FOUNDATIONS FOR THE EXISTING PIER REST ON COMPACTED SOIL.
3. BRIDGE NUMBER OF EXISTING BRIDGE IS 6387, PLAN NO. IS 198-22.
4. INFORMATION ON THE DRAWING WAS OBTAINED FROM THE AVAILABLE EXISTING BRIDGE DRAWINGS.
5. FOR PLAN AND PROFILE OF PROPOSED RAIL, SEE ENG. GPN-PP-054.

DULLES CORRIDOR RAPID TRANSIT PROJECT
NATIONAL CAPITAL TRANSIT COMPANY

INTERCHANGES
GREAT FALLS ROAD OVER ROUTE 66
PLAN, ELEVATION AND SECTION

FINAL GENERAL PLANS
JULY 2004

REFERENCE DRAWINGS

INTERCHANGES

DUPLICATE DRAWING

CONTRACT NO.

CAPITAL TRANSIT CONSULTANTS

SAr-ma

SAr-ma

M

M

345