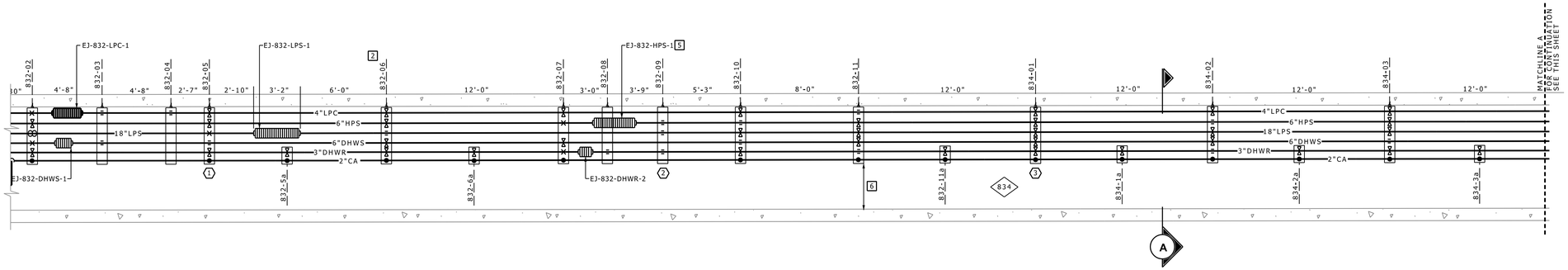
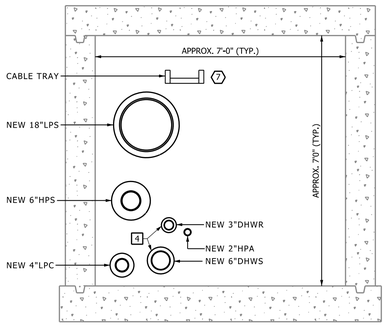
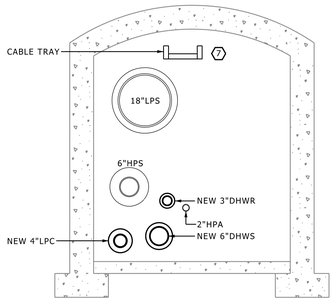






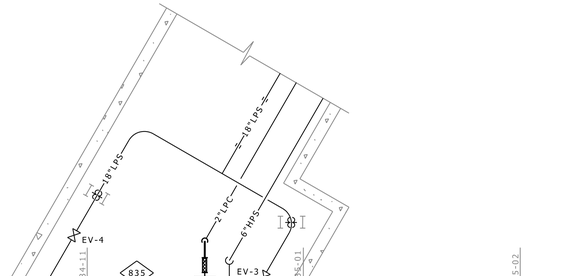
3 A TYPICAL NEW TUNNEL SECTION
SCALE: ½" = 1'-0"

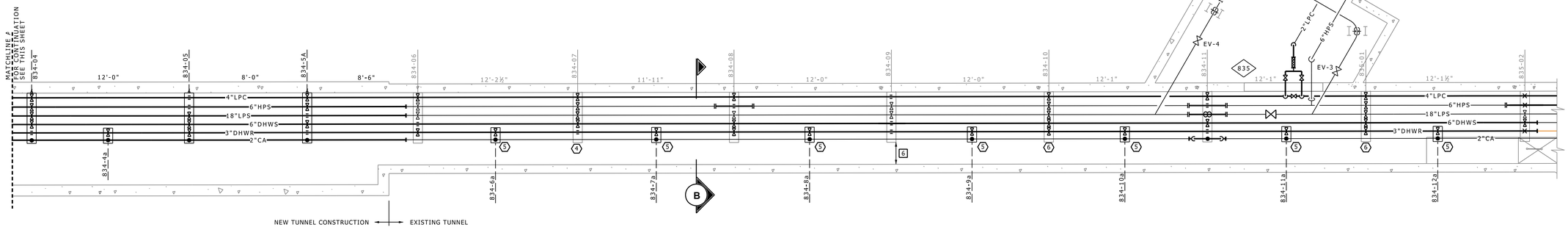
3 B TYPICAL EXISTING TUNNEL SECTION
SCALE: ½" = 1'-0"

TYPICAL TUNNEL CONSTRUCTION PLAN - NEW TUNNEL
SCALE: ¼" = 1'-0"

CONSTRUCTION REFERENCE NOTES

1. PROVIDE NEW STRUCTURAL STEEL; ANCHOR ON LPS; ROLLERS ON LPC, HPS AND DHWR; GUIDE ON DHWS; SUPPORT ON HPA PER DETAIL 1-TK-2.
2. PROVIDE NEW STRUCTURAL STEEL AND GUIDES ON HPS, LPS AND DHWR PER DETAIL 2-TK-2.
3. PROVIDE NEW STRUCTURAL STEEL; ROLLERS ON LPS, LPC, HPS, DHWS AND DHWR; SUPPORT ON HPA PER DETAIL 3-TK-2.
4. PROVIDE NEW STRUCTURAL STEEL; ROLLERS ON LPS, LPC, HPS AND DHWS; GUIDE ON DHWR; SUPPORT ON HPA PER DETAIL 4-TK-2.
5. PROVIDE NEW STRUCTURAL STEEL; ROLLER ON DHWR AND SUPPORT ON HPA PER DETAILS 5-TK-3 & G-TK-5.
6. PROVIDE NEW STRUCTURAL STEEL; ROLLERS ON LPS, LPC, HPS, DHWS AND DHWR; SUPPORT ON HPA PER DETAIL 5-TK-2.
7. CONTRACTOR SHALL TEMPORARILY RE-LOCATE EXISTING CABLE TRAY, CONDUIT, CABLES AS NEEDED TO PERFORM THE WORK, SUBMIT PROPOSED DETAILS.
8. UM WILL LABEL ALL PIPE SUPPORTS AND TAG ALL EXPANSION JOINTS & VALVES.





TYPICAL TUNNEL CONSTRUCTION PLAN - EXISTING TUNNEL
SCALE: ¼" = 1'-0"

Tool Kit Overview

THIS TOOL KIT IS INTENDED TO INDICATE DETAILS THAT WERE SUCCESSFUL IN PAST PROJECTS AND TO INDICATE LEVEL OF DETAIL REQUIRED IN THE BID DOCUMENTS. THESE DETAILS ARE NOT 'CUT AND PASTE' FOR ALL PROJECTS.

EACH SUPPORT SHOULD HAVE A CONSTRUCTION REFERENCE NOTE REFERRING TO A SECTION DETAIL. SUPPORTS THAT ARE IDENTICAL MAY USE THE SAME NOTE AND SECTION DETAIL (AS IN CONSTRUCTION REFERENCE NOTES 5 AND 6). NOT ALL SUPPORTS HAVE BEEN DETAILED FOR THIS EXAMPLE.

NOTE:
GIVE EXISTING CONDITIONS TO SUPPORT ACCURATE BIDDING. CONSULT AEC FOR AVAILABLE DRAWING AND/OR LASER SCAN FILES.

SCALE: 1/2" = 1'-0"
2' 1' 0 2'

SCALE: 1/4" = 1'-0"
4' 2' 0 4'

UNIVERSITY OF MICHIGAN
ARCHITECTURE, ENGINEERING AND CONSTRUCTION
ARCHITECTURE & ENGINEERING
326 East Hoover, Mail Stop B
Ann Arbor, MI 48109-1002
Phone: 734-764-3414
Fax: 734-936-3334

Tom Girard
U OF M DESIGN SUPERVISOR

APPROVED BY
AEC - Architecture & Engineering
REPRESENTING

AF/BB — DRAWN BY
WPG — PROJECT LEAD
CVW/VSM — DESIGNED BY
REVIEWED BY

MARK	ISSUED FOR/REVISIONS	DATE
•	New Master	03/20/15
•	Tunnel Group Revision	08/02/12
•	New Master	07/31/12
•	Contractor Note	09/28/11
•	New Master	06/28/07
•	Issued for Review	06/22/07

Tunnels

Tool Kit

University Of Michigan
Ann Arbor , MI

UNIVERSITY OF MICHIGAN
ARCHITECTURE, ENGINEERING AND CONSTRUCTION
326 East Hoover, Mail Stop E
Ann Arbor, MI 48109-1002
Phone: 734-763-3020
Fax: 734-763-3238

P00009388 — U OF M PROJECT NO.
9980 — BUILDING NO.

SHEET TITLE: Tunnels

Typical Tunnel Construction Plan

SHEET NO.
TK-1

SHEET NO. 2 OF 13
SHEET FILE NO. TK-1 04 15.dgn

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