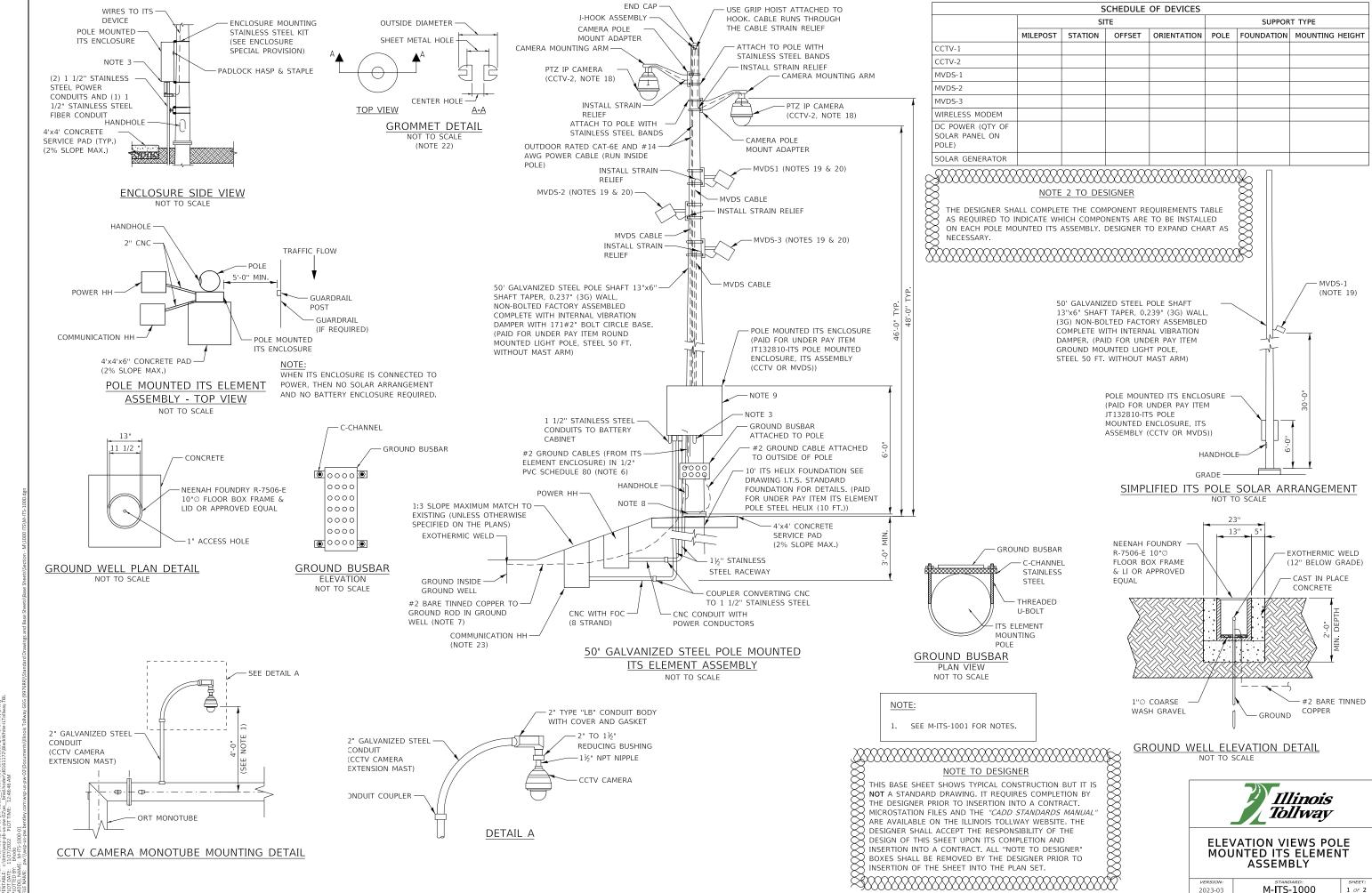
Illinois Tollway Base Sheet Revisions

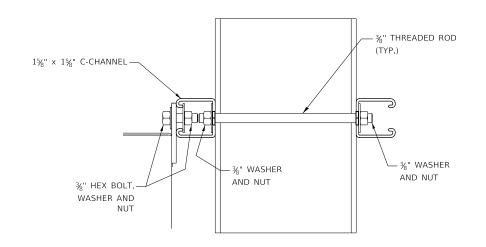
ection M	Base Sheet D	Base Sheet Drawings		
	Drawing	Modification Summary	Effective: 03-01-2023	
		Pole Assembly (ITS)-Series 1000		
	M-ITS-1000	ELEVATION VIEWS POLE MOUNTED ITS ELEMENT ASSEMBLY		
	Sheet 1	Remove solar panels		
Sheet 1		Remove Note 3 to Designer: there is no more MVDS on solar and cellular option so the solar generator option was removed from this drawing		
		Remove the detail showing the battery en enclosure	nclosure and service pad for the battery	
		Remove the 2 cellular modem antenna and note on the elevation view		
		equipment cabinet and remove Note 21, the battery cabinet	ve the solar panel wires and remove battery remove concrete service pad at the bottom of	
	Sheet 2	Combined Sheet 2 ITS and Sheet 3 details for ITS Disconnect Switch to the new Shee 2 showing the general layout of the ITS Disconnect Switch Precast Assembly and also the ITS Disconnect Switch Cast in Place Assembly		
	Sheet 3	Drawing retired	,	
	M-ITS-1003	ITS CONCRETE SERVICE PAD		
Sheet 1		service pad	arance above surrounding terrain for Model A	
		В	arance above the surrounding terrain for Model	
	Sheet 1	For Section BB (Type B) added a 1" clea the slope	rance of the top of service pad to the edge of	
		Section B-B (Type A) adding: 1:2.5H max	К.	
		Section B-B (Type A) adding note: See p		
		Section BB (Type A) adding a note: Use or barrier wall of 1:6 slope for locations o walls	1:2 slopes for locations protected by guardrail f the slope not protected by guardrail or barrier	
	Sheet 2	Revise Note 2 to add at the end of Note 2	2: " when well beyond the clear zone"	
	M-ITS-1004 CABINET LAYOUT AND WIRING ITS POLE MOUNTED ENCLOSURE (SOLAR POWERED 1-MVDS)			
	Sheet 1	Drawing retired		
	Sheet 2			

New Sheet

Retired Standard



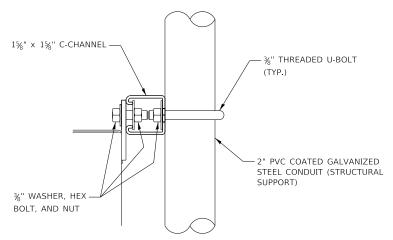




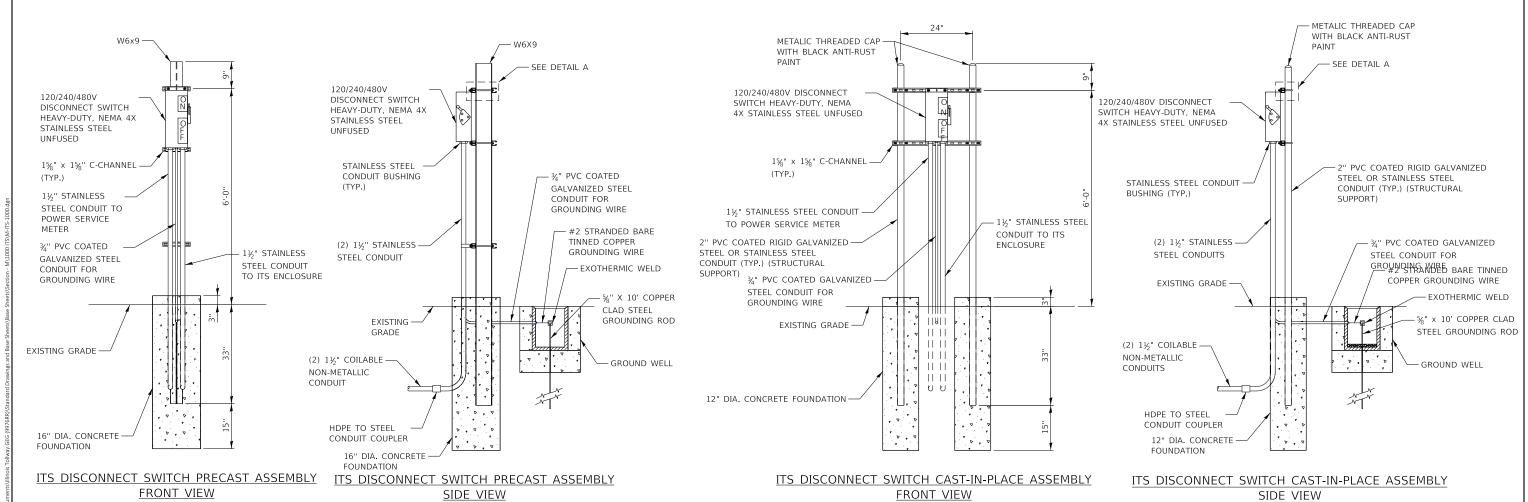
DETAIL A - TYPICAL MOUNTING ATTACHMENT CONNECTION

NOTES:

- 1. ALL CONCRETE SHALL BE IDOT CLASS SI.
- DISCONNECT SWITCH, POSTS, FOUNDATION, AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM "ITS DISCONNECT SWITCH ASSEMBLY" (JT132814).
- DETAILS SHOWN IN THIS DRAWING APPLY ONLY TO LOCATIONS WHERE A STANDALONE DISCONNECT SWITCH IS REQUIRED AT AN ITS POLE.
- . THIS PRECAST ITS DISCONNECT SWITCH IS THE PREFFERED OPTION FOR WINTER



DETAIL A - TYPICAL MOUNTING ATTACHMENT CONNECTION





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OT SCALE: 0:2 000 1.5 / in PAGE SIZE: 17v11 (in)

GENERAL NOTES:

- ITS ELEMENT POLES SHIELDED BY GUARDRAIL SHALL BE LOCATED A MINIMUM OF 5' TO A MAXIMUM OF 20' BEHIND THE GUARDRAIL POST. SEE ILLINOIS TOLLWAY GUARDRAIL STANDARD (SECTION C OF STANDARDS) FOR MORE INFORMATION. ALL OTHER POLES SHALL BE LOCATED OUTSIDE THE CLEAR ZONE. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.
- ANY GROUND CABLES ROUTED INSIDE THE ENCLOSURE SHALL BE GREEN INSULATED TYPE RHW CONDUCTORS. ANY GROUND CONDUCTORS THAT ARE BURIED SHALL BE BARE COPPER TINNED. ANY GROUND CONNECTED TO THE EXTERNAL GROUND BUSBAR SHALL BE CADWELDED TO THE BUSBAR. PVC SCH 80 CONDUIT SHOULD BE GROMMETTED ON END GOING TO BUSBAR TO PREVENT RODENTS AND INSECTS FROM ENTERING.
- PROVIDE A 1光" ALUMINUM CONDUIT NIPPLE WITH LB FITTING FOR ROUTING ITS ELEMENT CABLES INSIDE THE POLE TO THE EQUIPMENT ENCLOSURE. DRILL AND TAP POLE FOR THE CONDUIT NIPPLE. CABLE SLACK SHALL BE PULLED AND FASTENED WITHIN THE TOP OF THE POLE. PROPER CABLE STRAIN RELIEF SHALL BE INSTALLED AND APPROVED BY THE ENGINEER. ALL CABLE RUN INSIDE THE POLE SHALL NOT HANG BELOW THE TOP OF THE HANDHOLE COVER ON THE POLE.
- ALL CONDUITS ENTERING THE ENCLOSURE SHALL BE SEALED. SEE "ITS POLE MOUNTED ENCLOSURE, ITS ASSEMBLY (CCTV OR MVDS)" SPECIAL PROVISION FOR MORE DETAIL FOR RODENT PROTECTION.
- CONTRACTOR TO PROVIDE ALL POWER, COMMUNICATIONS AND GROUND WIRING REQUIRED FOR SYSTEM OPERATION.
- ATTACH PVC SCH 80 CONDUIT TO POLE FOR SUPPORT. USE METAL BUSHING WHEN CONNECTING PVC TO CABINET. USE GROMMETS AT BOTH ENDS OF CONDUIT TO SEAL CONDUIT BUT ALLOW GROUND CABLE TO RUN THROUGH BOTH ENDS.
- GROUND ROD SHALL BE PLACED A MINIMUM OF 10' FROM THE FOUNDATION. A GROUND WELL SHALL BE INCLUDED TO PERMIT ACCESS TO THE GROUND ROD CONNECTION. CONNECTION TO THE GROUND BUSBAR AND THE GROUND ROD SHALL BE CADWELD.
- A FLAT STEEL MESH PANEL ALONG WITH A COMMERCIALLY AVAILABLE HYDROPHOBIC LOW DENSITY COMPOSITE BACKFILL MATERIAL (KNOWN AS Q-SET 250) SHALL BE INSTALLED BETWEEN THE ANCHOR BASE AND THE POLE TO PREVENT THE ENTRY OF RODENTS INTO THE POLE. SEE SPECIAL PROVISIONS FOR MORE DETAILS.
- THIS ITS ELEMENT ENCLOSURE DETAIL WILL BE UTILIZED FOR POLE MOUNTED APPLICATIONS ONLY, IT CANNOT BE UTILIZED FOR TOWER MOUNTED APPLICATION
- 10. BACKFILL PER ILLINOIS TOLLWAY STANDARD H1. BACKFILL SHALL BE TO THE TOP OF THE POLE BASE ON ALL SIDES.
- 11. ALL CABLING (INCLUDING CABLING INSIDE THE ENCLOSURE) IS OUTDOOR RATED. CAMERA CABLE PART NUMBERS ARE: CAT-6E CABLE (BELDEN CATALOG NO. 7953A) AND #14 AWG 3/C CCTV POWER CABLE (BELDEN CATALOG NO. 9367). THE GROUND WIRE (WHITE) IN THE 3/C #14 AWG POWER CABLE SHALL BE TAPED GREEN. ANY OTHER ITS ELEMENT WILL USE SPECIFIC CABLE ASSOCIATED TO THAT ELEMENT.
- 12. THE J-HOOK SHALL BE WELDED IN PLACE TO THE SIDE OF THE POLE, NEAR THE TOP OF THE POLE. THE CONTRACTOR SHALL PROVIDE A CUSTOM FLAT TOP POLE CAP THAT WILL FIT THE POLE TOP WITH THE J-HOOK WELDED TO THE SIDE. THE POLE CAP SHALL BE SECURED TO THE POLE BY DRILLING AND INSERTING SET SCREWS.
- 13. THIS DRAWING IS A MULTI-PURPOSE DRAWING THAT INCLUDES TWO TYPES OF CONNECTIONS TO A SOLAR POWERED BATTERY ENCLOSURE. IF SOLAR POWER IS UTILIZED, THEN THE SPECIAL PROVISIONS WILL CALL OUT THE MATERIAL AND NECESSARY CONNECTIONS TO THE ITS ELEMENT ENCLOSURE.
- CONSTRUCT A 4 FT. X 4 FT. CONCRETE SERVICE PAD 6-INCHES FROM THE POLE BASE ON THE SAME SIDE AS THE ITS ENCLOSURE, CENTERED WITH THE ITS ENCLOSURE.
- 15. THIRTY DAYS PRIOR TO INSTALLING ANY NEW CCTV CAMERA, MVDS, SWITCH, WIRELESS OR FIBER OPTIC MODEM, THE CONTRACTOR SHALL COORDINATE DEVICE CONFIGURATION WITH THE ENGINEER.
- THE DISCONNECT SWITCH, SUPPORT, AND ASSOCIATED CONDUIT SHALL BE INSTALLED FOR ITS SITES WHERE THE UTILITY SERVICE INSTALLATION IS GREATER THAN 500 FEET FROM THE ITS SITE OR LOCATED ON THE OPPOSITE SIDE OF THE ROADWAY FROM THE ITS SITE
- 17. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- 22. CABLES SHALL ENTER POLES THROUGH A GROMMET. GROMMET SIZE SHALL BE CHOSEN SO THAT THE CENTER HOLE FORMS A WATER TIGHT SEAL AROUND THE CABLES
- 23. IF HANDHOLE IS INSTALLED NEAR THE BOTTOM OF A DITCH, THEN IT SHALL NOT BE INSTALLED BELOW THE FIFTY YEAR FLOOD

CCTV NOTES:

FINAL PLACEMENT HEIGHTS OF THE CCTV CAMERAS SHALL BE BASED ON SITE CONDITIONS, ILLINOIS TOLLWAY OPERATIONAL NEEDS, AND AS PER MANUFACTURER'S MOUNTING RECOMMENDATIONS. THE HEIGHT SHALL BE APPROVED BY THE ENGINEER ONLY AFTER REVIEW BY ILLINOIS TOLLWAY ITS OPERATIONS. FOR SITE WHERE 2 CCTV TO BE INSTALLED ON SAME ITS POLE: KEEP A MINIMUM 24 INCHES HEIGHT DIFFERENCE BETWEEN THE 2

MVDS NOTES:

- 19. FINAL PLACEMENT HEIGHT OF THE MVDS SHALL BE BASED ON SITE CONDITIONS. REFER TO THE MVDS MANUFACTURER'S INSTALLATION GUIDE FOR RECOMMENDATIONS. THE HEIGHT SHALL BE APPROVED BY THE ENGINEER, THE MVDS SHALL BE PERPENDICULARLY ALIGNED TO THE ROADWAY IT IS INTENDING TO BE SENSING.
- 20. TWO MVDS UNITS ARE REQUIRED FOR THE FOLLOWING APPLICATIONS:
 - A) GATHER DATA FROM A MAINLINE ROADWAY SENSOR APPLICATION THAT REQUIRES TWO SENSORS.
 - B) ONE MVDS MAY BE UTILIZED FOR MAINLINE ROADWAY SENSING, WHILE THE SECOND IS UTILIZED FOR RAMP COUNTING OR RQD. THE CONTRACTOR SHALL ORIENT THE MVDS UNITS PERPENDICULAR TO THE ROADWAY
- 21. BATTERY ENCLOSURE TO BE ATTACHED ON THE SIDE OF THE POLE UPSTREAM TO TRAFFIC.

NOTE TO DESIGNER

NOTE TO DESIGNEK

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MICROSTATION FILES AND THE "CADD STANDARDS MANUAL"
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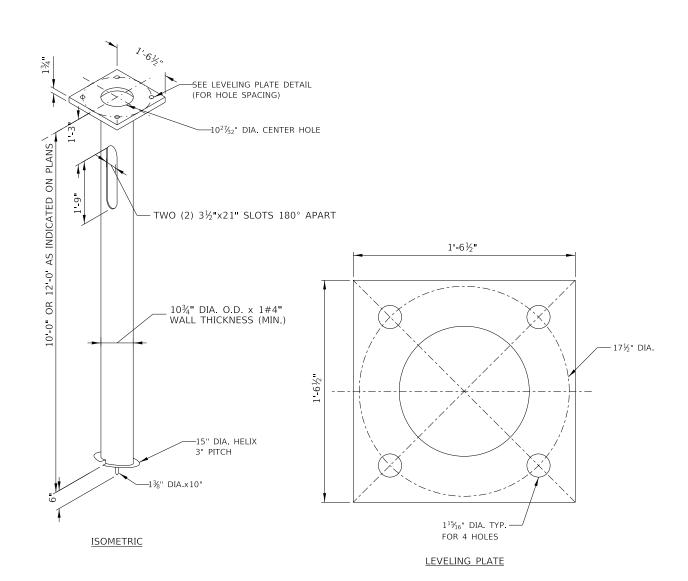


GENERAL NOTES POLE MOUNTED ITS ELEMENT **ASSEMBLY**

2023-03

M-ITS-1001

BASE ATTACHMENT DETAIL 17 1/2" BASE DIA.



NOTE TO DESIGNER

12 FT. STEEL HELIX FOUNDATIONS TO BE USED FOR SLOPES
GREATER THAN 1:6. DESIGNER SHALL PROVIDE A TABLE TO
BE INCLUDED ON THE PLANS WHICH INDICATES LOCATION,
DEPTH OF FOUNDATION, AND ANY OTHER INFORMATION
DEEMED NECESSARY FOR CONTRACTOR TO INSTALL PROPER
FOUNDATION.

NOTE TO DESIGNER

ALL NEW 50 FT. STEEL ITS POLES REQUIRE A 17½" DIA.

BOLT CIRCLE. SHOULD A 15" DIA. BOLT CIRCLE BE
REQUIRED, THE DSE SHALL REFERENCE ILLINOIS TOLLWAY
STANDARD DRAWING H1 (LIGHT STANDARD FOUNDATION).

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ITS STANDARD FOUNDATION

M-ITS-1002

HELIX - GROUND MOUNTED ASSEMBLY

DESIGN STRESSES

CONCRETE

CAST-IN-PLACE: f'c = 3,500 PSI AT 14 DAYS (CLASS SI)

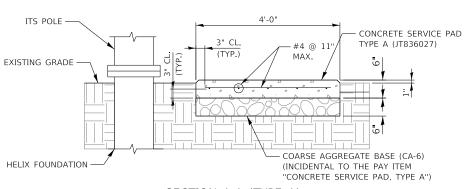
PRE-CAST: $f'_c = 3,500 \text{ PSI AT 5 DAYS}, f'_c = 5,000 \text{ PSI AT 28 DAYS} (CLASS PC)$

STEEL

ASTM A615, GRADE 60 DEFORMED, $F_y = 60,000 \text{ PSI (EPOXY COATED)}$

WELDED WIRE MESH, $F_V = 60.000 \text{ PSI} - 6x6 \text{ D}10$

CONCRETE SERVICE PAD FOR ITS POLE PLAN VIEW



4'-0" TYPE A (JT836027) ITS POLE PROTECTED BY GUARDRAIL OR EXISTING GRADE BARRIER WALL OF 1:6 SLOPE FOR PROTECTED BY GUARDRAIL OR BARRIER WALL TO MATCH EXISTING GRADE (SEE NOTE 6) SEE PLANS FOR SEEDING CLASS SPECIFIED HELIX FOUNDATION -COARSE AGGREGATE BASE (CA-6) SECTION B-B (TYPE A)

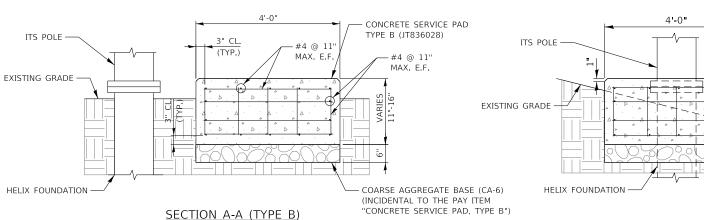
CONCRETE SERVICE PAD

CONCRETE SERVICE PAD

TYPE B (JT836028)

MAX. E.F.

SECTION A-A (TYPE A)



— COARSE AGGREGATE BASE (CA-6)

SECTION B-B (TYPE B)

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CONCRETE SERVICE PAD DETAILS

NOTES:

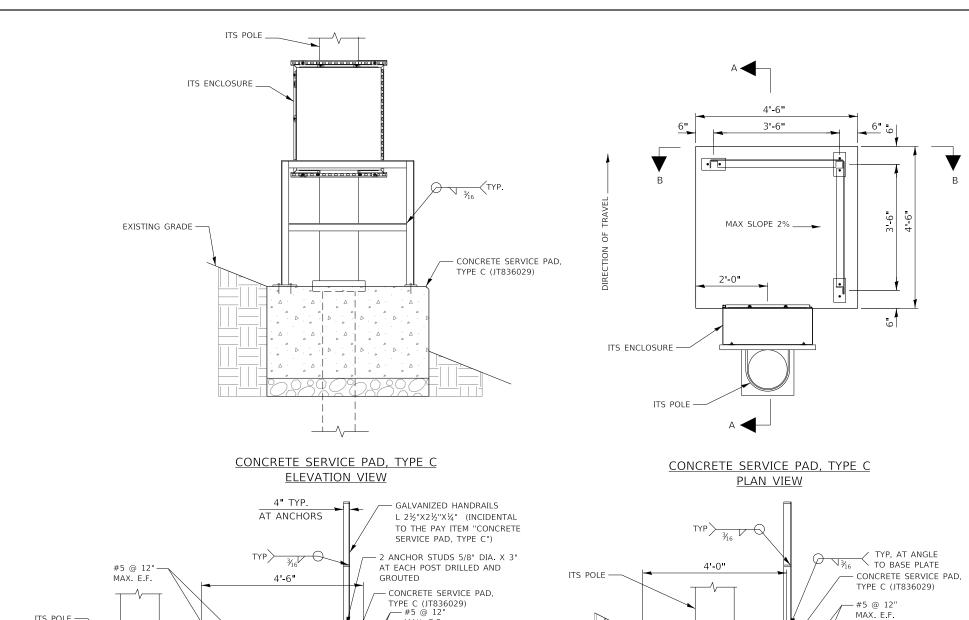
- 1. TYPE A SERVICE PADS SHALL BE INSTALLED ON SLOPES UP TO AND INCLUDING 1:6 (V:H)
- TYPE B SERVICE PADS SHALL BE INSTALLED ON SLOPES GREATER THAN 1:6 AND LESS THAN OR FOUAL TO 1:3
- 3. TYPE C SERVICE PADS SHALL BE INSTALLED ON SLOPES GREATER THAN 1:3 AS SHOWN ON SHEET M-ITS-1003 SHEET 2 OF 2.
- 4. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" MINIMUM CHAMFER.
- 5 CONTRACTOR SHALL TAKE PRECAUTIONS TO STABILIZE EXISTING ITS POLES AND HELIX FOUNDATIONS WHILE EXCAVATING SOIL FOR INSTALLATION OF CONCRETE SERVICE PADS.
- COMPACTED SOIL SHALL BE PLACED TO BE LEVEL WITH THE SERVICE PAD. CONTRACTOR MAY LISE EXCAVATED SOIL FROM PLACING THE PAD'S AGGREGATE BASE FOR GRADING PURPOSES WITH APPROVAL OF THE ENGINEER. SEEDING AND EROSION CONTROL SHALL BE PER THE GENERAL NOTES ON SHEET GN-08.
- SOIL EXCAVATED FOR THE PURPOSE OF MAINTAINING A STABLE WORKING SLOPE WHILE INSTALLING THE SERVICE PAD SHALL BE REPLACED. BACKFILL SHALL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS, AND ROCKS MEASURING 2" OR GREATER IN DIAMETER. IN THE EVENT THAT EXCAVATED MATERIAL IS UNSUITABLE FOR USE AS BACKFILL, THE CONTRACTOR SHALL USE A CLEAN, NATURAL SAND. THIS SUBSTITUTE BACKFILL SHALL BE INCIDENTAL TO THE SERVICE PAD INSTALLATION AND WILL NOT BE PAID FOR SEPARATELY. ALL BACKFILL MATERIALS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
- THE TOP SURFACE OF SOIL DISTURBED BY EXCAVATION FOR PLACING THE SERVICE PADS SHALL BE SEEDED AND PROTECTED WITH EROSION CONTROL MEASURES PER THE GENERAL NOTES ON SHEET GN-08
- 9. SURFACE OF SERVICE PADS SHALL BE BROOM FINISHED.
- USE 1:2 SLOPES FOR LOCATIONS 10. SERVICE PAD MAY BE PRECAST TO MATCH TYPE A (JT8360027) OR TYPE B (JT8360028) PAD
- LOCATIONS OF THE SLOPE NOT 11. ALL EMBEDDED LIFTING HARDWARE USED SHALL BE GALVANIZED.
- 12. FOR LIFTING INSERT, INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S COMPACTED SOIL AND SEEDING SPECIFICATION INCLUDING MINIMUM EDGE DISTANCE AND SPACING REQUIREMENTS AND HAVE A 4:1 SAFETY FACTOR.
 - 13. FOR LIFTING PLATES, INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND HAVE A STANDARD 5:1 SAFETY FACTOR FOR THE LIFTING HARDWARE.
 - 14. PRECAST SERVICE PADS SHALL BE TRANSPORTED IN SUCH A MANNER THAT THE PAD WILL NOT BE DAMAGED DURING TRANSPORTATION. PLASTIC CORNER PIECES OR SHOCK-ABSORBING CUSHIONING MATERIAL SHALL BE USED AT ALL BEARING POINTS AND ALL EXPOSED CORNERS DURING TRANSPORTATION OF THE PRECAST ELEMENTS. PADS SHALL BE PROPERLY SUPPORTED DURING TRANSPORTATION SUCH THAT CRACKING OR DEFORMATION DOES NOT OCCUR. IF MORE THAN ONE PAD IS TRANSPORTED PER VEHICLE, PROPER SUPPORT AND SEPARATION MUST BE PROVIDED BETWEEN INDIVIDUAL PADS. PADS MUST BE LYING HORIZONTALLY DURING TRANSPORTATION, UNLESS OTHERWISE APPROVED.
 - 15. PRECAST ELEMENT DAMAGED DURING HANDLING AND STORAGE SHALL BE REPAIRED OR REPLACED AT NO COST TO THE ILLINOIS TOLLWAY.
 - 16. A PRECAST PAD SHALL NOT BE TRANSPORTED FROM THE CASTING YARD UNTIL A MINIMUM 5 DAY COMPRESSIVE STRENGTH SPECIFIED HAS BEEN ATTAINED.
 - 17. MATERIAL QUALITY AND CONDITION AFTER SHIPMENT WILL BE INSPECTED AFTER DELIVERY TO THE CONSTRUCTION SITE, WITH THIS AND ANY PREVIOUS INSPECTIONS CONSTITUTING ON PARTIAL ACCEPTANCE.
 - 18. REPAIR OF DAMAGE CAUSE TO THE PADS DURING FABRICATION, LIFTING AND HANDLING, OR TRANSPORTATION SHALL BE ADDRESSED ON A CASE-BY-CASE BASIS. DAMAGE WITHIN ACCEPTABLE LIMITS CAUSED TO THE TOP OF THE SURFACES OR TO KEYED EDGES OF THE PADS SHALL BE REPAIRED USING AN APPROVED REPAIR METHOD AT THE FABRICATION PLANT AT THE EXPENSE OF THE CONTRACTOR. REPETITIVE DAMAGE TO THE PADS SHALL BE CAUSE FOR STOPPAGE OF FABRICATION OPERATION UNTIL CAUSE OF DAMAGE CAN BE REMEDIED.
 - 19. THE CONTRACTOR SHALL RETAIN THE SOLE RESPONSIBILITY FOR THE MEANS, METHODS, AND TECHNIQUES OF CONSTRUCTION OF THE PADS AND FOR COMPLIANCE WITH LAWS, REGULATIONS AND CODES, AND FOR THE SAFETY OF CONSTRUCTION APPLICABLE TO THIS WORK.

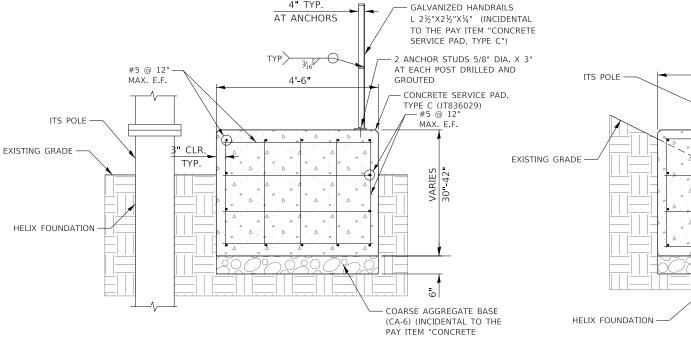


ITS CONCRETE SERVICE PAD

M-ITS-1003 2023-03

- 3. TYPE C SERVICE PADS SHALL BE INSTALLED ON SLOPES GREATER THAN 1:3 AS SHOWN ON SHEET M-ITS-1003 SHEET 2 OF 2.
- 4. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" MINIMUM CHAMFER.
- 5. CONTRACTOR SHALL TAKE PRECAUTIONS TO STABILIZE EXISTING ITS POLES AND HELIX FOUNDATIONS WHILE EXCAVATING SOIL FOR INSTALLATION OF CONCRETE SERVICE PADS.
- COMPACTED SOIL SHALL BE PLACED TO BE LEVEL WITH THE SERVICE PAD. CONTRACTOR MAY USE EXCAVATED SOIL FROM PLACING THE PAD'S AGGREGATE BASE FOR GRADING PURPOSES WITH APPROVAL OF THE ENGINEER. SEEDING AND EROSION CONTROL SHALL BE PER THE GENERAL NOTES ON SHEET GN-08.
- SOIL EXCAVATED FOR THE PURPOSE OF MAINTAINING A STABLE WORKING SLOPE WHILE INSTALLING THE SERVICE PAD SHALL BE REPLACED. BACKFILL SHALL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS, AND ROCKS MEASURING 2" OR GREATER IN DIAMETER. IN THE EVENT THAT EXCAVATED MATERIAL IS UNSUITABLE FOR USE AS BACKFILL, THE CONTRACTOR SHALL USE A CLEAN, NATURAL SAND. THIS SUBSTITUTE BACKFILL SHALL BE INCIDENTAL TO THE SERVICE PAD INSTALLATION AND WILL NOT BE PAID FOR SEPARATELY. ALL BACKFILL MATERIALS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
- 8. THE TOP SURFACE OF SOIL DISTURBED BY EXCAVATION FOR PLACING THE SERVICE PADS SHALL BE SEEDED AND PROTECTED WITH EROSION CONTROL MEASURES PER THE GENERAL NOTES ON SHEET GN-08.
- 9. SURFACE OF SERVICE PADS SHALL BE BROOM FINISHED.
- 10. ALL EMBEDDED LIFTING HARDWARE USED SHALL BE GALVANIZED.
- 11. FOR LIFTING INSERT, INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION INCLUDING MINIMUM EDGE DISTANCE AND SPACING REQUIREMENTS AND HAVE A 4:1 SAFETY FACTOR.
- 12. FOR LIFTING PLATES, INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND HAVE A STANDARD 5:1 SAFETY FACTOR FOR THE LIFTING HARDWARE.
- 13. PRECAST SERVICE PADS SHALL BE TRANSPORTED IN SUCH A MANNER THAT THE PAD WILL NOT BE DAMAGED DURING TRANSPORTATION. PLASTIC CORNER PIECES OR SHOCK-ABSORBING CUSHIONING MATERIAL SHALL BE USED AT ALL BEARING POINTS AND ALL EXPOSED CORNERS DURING TRANSPORTATION OF THE PRECAST ELEMENTS. PADS SHALL BE PROPERLY SUPPORTED DURING TRANSPORTATION SUCH THAT CRACKING OR DEFORMATION DOES NOT OCCUR. IF MORE THAN ONE PAD IS TRANSPORTED PER VEHICLE, PROPER SUPPORT AND SEPARATION MUST BE PROVIDED BETWEEN INDIVIDUAL PADS. PADS MUST BE LYING HORIZONTALLY DURING TRANSPORTATION, UNLESS OTHERWISE APPROVED.
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- 16. MATERIAL QUALITY AND CONDITION AFTER SHIPMENT WILL BE INSPECTED AFTER DELIVERY TO THE CONSTRUCTION SITE, WITH THIS AND ANY PREVIOUS INSPECTIONS CONSTITUTING ON PARTIAL ACCEPTANCE.
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- 18. THE CONTRACTOR SHALL RETAIN THE SOLE RESPONSIBILITY FOR THE MEANS, METHODS, AND TECHNIQUES OF CONSTRUCTION OF THE PADS AND FOR COMPLIANCE WITH LAWS REGULATIONS, AND CODES, AND FOR THE SAFETY OF CONSTRUCTION APPLICABLE TO THIS





SERVICE PAD, TYPE C")

DESIGN STRESSES

CONCRETE

CAST-IN-PLACE: $f'_c = 3,500 \text{ PSI AT } 14 \text{ DAYS } (CLASS \text{ SI})$

PRE-CAST: $f'_c = 3,500 \text{ PSI AT 5 DAYS}, f'_c = 5,000 \text{ PSI AT 28 DAYS} (CLASS PC)$

SECTION A-A

ASTM A615, GRADE 60 DEFORMED, $F_y = 60,000 \text{ PSI (EPOXY COATED) OR}$ WELDED WIRE MESH $F_V = 60,000 \text{ PSI } 6x6 \text{ D}14$

NOTE TO DESIGNER

SECTION B-B

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Illinois **Tollway**

COARSE AGGREGATE BASE (CA-6)

ITS CONCRETE SERVICE PAD

M-ITS-1003