



Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

November 8, 2023

SUBJECT: Greater Kankakee Airport
Kankakee, Illinois
Kankakee County
Illinois Project Number: IKK-4991
SBG Project Number: N/A
Contract No. KA052
Item No. 04A, November 17, 2023 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

Reason for Addendum:

Clarify daytime/nighttime work and revise storm sewer structures and details.

To All Plan Holders:

Please see below and attached for plan changes.

Plan Changes:

1. Index to Sheets/Summary of Quantities (Sheet 2)
 - (a) See attached for revised sheet.
2. Sequence of Construction Phase 4B (Sheet 8)
 - (b) Revise General Notes – Runway 4/22 Note No. 2 to “A maximum of ten (10) calendar day closures on Runway 4/22 will be allowed. See Sequence of Construction General Notes for details on runway closures. For every additional Runway 4/22 calendar day closure required by the Contractor, liquidated damages in the amount of \$1,000 will be assessed.”
3. Existing Conditions/Proposed Removals - 2 (Sheet 16)
 - (a) Add Notes #12 “The City Engineer shall be notified upon encountering any field tile on the site. A meeting shall be conducted on site with the City Engineer prior to any disposition being determined. The City Engineer has the sole authority in requirements for any field tile encountered during construction.”
4. Proposed Improvements – 1 (Sheet 17)
 - (a) Revise Structure A3 to New 5' Manhole (AR751550). See attached IDOT Standard 602402-03.
 - (b) Add Notes #8 “See Drainage Details – 1” sheet for location of Structure A4.
5. Drainage Details – 1 (Sheet 22)
 - (a) See attached for revised sheet.

Special Provisions Changes:

1. Section 80-03
 - a. Delete “Buy American requirements”.
2. Delete Section 125-2.14 Buy American Certifications and Waivers.

3. Section 705-2.15
 - a. Add "Underdrain trench shall be lined with filter fabric with a minimum of 12" overlap at the top".
4. Section 751-5.1
 - a. Add Pay Item Number AR751550 Manhole 5' – Per Each.

Schedule of Prices Changes:

1. Revise AR156510 Silt Fence to a quantity of 1,550 FOOT
2. Add Pay Item Number AR751550 Manhole 5' with a quantity of 1 EACH
3. Revise AR701900 Remove Pipe to a quantity of 566 FOOT
4. Revise AR901510 Seeding to a quantity of 4.6 ACRE
5. Revise AR908515 Heavy-Duty Hydraulic Mulch to a quantity of 4.6 ACRE

Prime contractors must utilize the enclosed material when preparing their bid and must include any changes to the Schedule of Prices in their bid.

Questions on this addendum may be directed to Kyle Peabody of Crawford, Murphy & Tilly at 630.907.7024.



CONSULTANTS

FINAL

WIDEN TAXIWAY FILLET AT
RUNWAY 22 END AND
RELOCATE TAXIWAY A4

SEPTEMBER 22, 2023

OWNER



1	11/3/23	ADDENDUM A

MARK	DATE	DESCRIPTION
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CMT PROJECT NO:	21001660.00
CAD DWG FILE:	
DESIGNED BY:	STL
DRAWN BY:	JRO
CHECKED BY:	STL
APPROVED BY:	DKP
COPYRIGHT:	

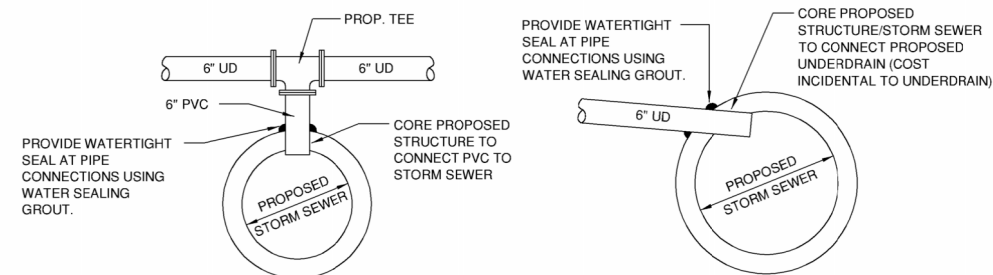
SHEET TITLE
**INDEX TO SHEETS/
SUMMARY OF
QUANTITIES**

INDEX TO SHEETS

- 1 COVER SHEET
- 2 INDEX TO SHEETS - SUMMARY OF QUANTITIES
- 3 SITE PLAN AND PROJECT CONTROL PLAN
- 4 SEQUENCE OF CONSTRUCTION PHASE 1
- 5 SEQUENCE OF CONSTRUCTION PHASE 2
- 6 SEQUENCE OF CONSTRUCTION PHASE 3
- 7 SEQUENCE OF CONSTRUCTION PHASE 4A
- 8 SEQUENCE OF CONSTRUCTION PHASE 4B
- 9 SEQUENCE OF CONSTRUCTION GENERAL NOTES AND DETAILS - 1
- 10 SEQUENCE OF CONSTRUCTION GENERAL NOTES AND DETAILS - 2
- 11 STORMWATER POLLUTION PREVENTION PLAN - 1
- 12 STORMWATER POLLUTION PREVENTION PLAN - 2
- 13 STORMWATER POLLUTION PREVENTION PLAN NOTES AND DETAILS - 1
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- 15 EXISTING CONDITIONS - PROPOSED REMOVALS - 1
- 16 EXISTING CONDITIONS - PROPOSED REMOVALS - 2
- 17 PROPOSED IMPROVEMENTS - 1
- 18 PROPOSED IMPROVEMENTS - 2
- 19 TYPICAL SECTIONS - 1
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- 21 TAXIWAY A4 PLAN AND PROFILE
- 22 DRAINAGE DETAILS - 1
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- 25 GRADING PLAN - 1
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- 27 ELECTRICAL PLAN - 1
- 28 ELECTRICAL PLAN - 2
- 29 PROPOSED ELECTRICAL CIRCUITRY PLAN - 1
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- 31 ELECTRICAL DETAILS - 1
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- 34 GEOTECHNICAL ENGINEERING INFORMATION
- 35 INDEX TO CROSS SECTIONS AND EARTHWORK SUMMARY
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SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AR108158	1/C #8 5 KV UG CABLE IN UD	FOOT	5,600	
AR108960	REMOVE CABLE	FOOT	7,000	
AR110502	2-WAY CONCRETE ENCASED DUCT	FOOT	100	
AR110504	4-WAY CONCRETE ENCASED DUCT	FOOT	110	
AR110551	EXTEND DUCT	FOOT	15	
AR110610	ELECTRICAL HANDHOLE	EACH	3	
AR110900	REMOVE DUCT	FOOT	120	
AR125410	MITL-STAKE MOUNTED	EACH	57	
AR125415	MITL-BASE MOUNTED	EACH	8	
AR125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EACH	3	
AR125446	TAXI GUIDANCE SIGN, 6 CHARACTER	EACH	1	
AR125565	SPLICE CAN	EACH	1	
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	39	
AR125902	REMOVE BASE MOUNTED LIGHT	EACH	4	
AR125904	REMOVE TAXI GUIDANCE SIGN	EACH	3	
AR125906	REMOVE SPLICE CAN	EACH	2	
AR125962	RELOCATE BASE MOUNTED LIGHT	EACH	1	
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1	
AR150520	MOBILIZATION	L SUM	1	
AR152410	UNCLASSIFIED EXCAVATION	CU YD	7,850	
AR152540	SOIL STABILIZATION FABRIC	SQ YD	3,575	
AR156510	SILT FENCE	FOOT	1,550 1,550	⚠
AR156520	INLET PROTECTION	EACH	4	
AR208515	POROUS GRANULAR EMBANKMENT	CU YD	1,400	
AR209612	CRUSHED AGG. BASE COURSE - 12"	SQ YD	715	
AR800026	CRUSHED AGG. BASE COURSE - 15"	SQ YD	2,700	
AR401610	BITUMINOUS SURFACE COURSE	TON	780	
AR401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	2,250	
AR403610	BITUMINOUS BASE COURSE	TON	970	
AR602510	BITUMINOUS PRIME COAT	GALLON	1,000	
AR603510	BITUMINOUS TACK COAT	GALLON	700	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	3,550	
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	2,950	
AR620900	PAVEMENT MARKING REMOVAL	SQ FT	4,950	
AR701524	24" RCP, CLASS IV	FOOT	540	
AR701900	REMOVE PIPE	FOOT	566 566	⚠
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	FOOT	780	
AR751540	MANHOLE 4'	EACH	2	
AR751550	MANHOLE 5'	EACH	1	⚠
AR751560	MANHOLE 6'	EACH	1	
AR751900	REMOVE INLET	EACH	1	
AR800003	2 - 1/C #8 5KV UG CABLE IN UD	FOOT	365	
AR901510	SEEDING	ACRE	4.6 4.6	⚠
AR908515	HEAVY-DUTY HYDRAULIC MULCH	ACRE	4.6 4.6	⚠



UNDERDRAIN CONNECTION DETAILS

NOT TO SCALE

UNDERDRAIN CONNECTIONS AND FITTINGS, TEES AND ELBOWS USED FOR CONNECTIONS TO PROPOSED STRUCTURES AND STORM SEWERS / EXISTING STRUCTURES AND STORM SEWERS, SHALL BE CONSIDERED INCIDENTAL TO THE PROPOSED UNDERDRAIN.

STRUCTURE SCHEDULE

STRUCTURE	TYPE	RIM	INVERT	STATION (OFFSET)
A1	NEW 4" MANHOLE WITH TYPE 1 FRAME AND OPEN LID	618.61	EXISTING 24" IN (W) = 613.46 NEW 24" OUT (E) = 613.46	STA. 110+02.45, 250.92 RT BASELINE RUNWAY 4/22
A2	NEW 4" MANHOLE WITH TYPE 1 FRAME AND OPEN LID	617.84	NEW 24" IN (W) = 613.40 NEW 24" OUT (E) = 613.40	STA. 111+13.45, 250.87 RT BASELINE RUNWAY 4/22
A3	NEW 6" RESTRICTOR-MANHOLE WITH TYPE 8 GRATE 5" MANHOLE	617.71	NEW 24" IN (W) = 613.20 EXISTING 30" OUT (E) = 613.20	STA. 115+60.64, 250.66 RT BASELINE RUNWAY 4/22
A4	NEW 6" RESTRICTOR-MANHOLE WITH (2) TYPE 8 GRATES	618.90	EXISTING 30" IN (W) = 612.65 EXISTING 30" OUT (E) = 612.65	STA. 124+07.92, 247.77 RT BASELINE RUNWAY 4/22

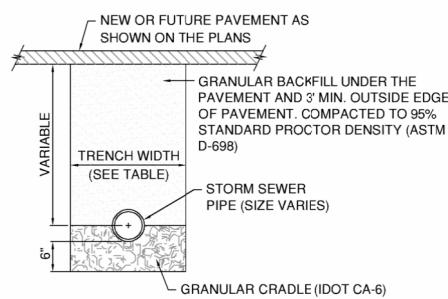
STRUCTURE SCHEDULE NOTES:

1. THE STATION AND OFFSET IS MEASURED TO THE CENTER OF THE STRUCTURE.
2. D/S: DOWNSTREAM.
3. U/S: UPSTREAM.
4. LENGTH OF PIPE FOR MANHOLE TO MANHOLE IS FROM CENTER OF STRUCTURE.
5. RCP: REINFORCED CONCRETE PIPE, CLASS IV.
6. PVC: POLYVINYL CHLORIDE PIPE, SDR 26.
7. MANHOLES SHALL BE IDOT STANDARD 302401-07 AND 6024 06-11.
8. CONTRACTOR SHALL VERIFY RIM AND INVERT ELEVATIONS ON EXISTING DRAINAGE STRUCTURES/PIPES THAT ARE TO BE CONNECTED TO BEFORE ORDERING MATERIAL (INCIDENTAL TO CONTRACT).
9. FRAME AND LIDS SHALL BE IDOT STANDARD 604001-05 AND 604036-03.

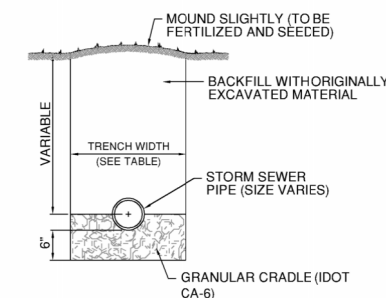
STORM SEWER/UNDERDRAIN NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING STORM SEWER/UNDERDRAIN INVERTS BEFORE INSTALLING PROPOSED PIPE, CONNECTIONS AND ORDERING MATERIALS.
2. ALL UNDERDRAIN CONNECTIONS, CORING INTO STRUCTURES, CAPS, TEES, BENDS, STORM SEWER ETC. SHALL BE CONSIDERED INCLUDED IN THE COST OF THE UNDERDRAIN.
3. UNDERDRAIN SLOPES FOLLOW EDGE OF PAVEMENT SLOPE UNLESS OTHERWISE NOTED.
4. INSTALL PROPOSED ELECTRICAL DUCTS/CONDUITS TO BE CLEAR OF UNDERDRAIN, COSTS INCLUDED.
5. UNDERDRAIN CONFLICTS WITH EXISTING CONDITIONS SHALL BE RESOLVED AND COST SHALL BE INCIDENTAL TO UNDERDRAIN.
6. CORING OF DRAINAGE STRUCTURE AND REMOVAL OF EXISTING STORM SEWER MANHOLE/INLET CONCRETE BENCHES TO FACILITATE CONNECTIONS OF PROPOSED STORM SEWER AND UNDERDRAIN PIPE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PIPE.

INSIDE DIAMETER OF STORM SEWER (INCHES)	MAXIMUM TRENCH WIDTH
6	3'-7"
8	3'-9"
12	4'-2"
15	4'-6"
18	4'-9"
21	5'-0"
24	5'-4"
27	5'-7"
30	5'-11"
36	6'-6"
42	7'-1"
48	7'-8"
54	8'-3"
60	8'-10"
66	9'-5"
72	10'-0"
78	10'-7"
84	11'-2"
90	11'-9"
96	12'-4"
102	12'-11"
108	13'-6"



ALL PAVED AREAS



NON-PAVED AREAS

**TRENCH DETAILS
STORM SEWER**

N.T.S.

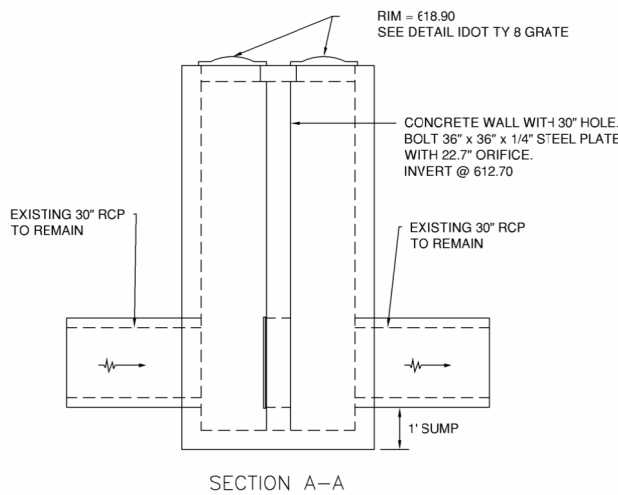
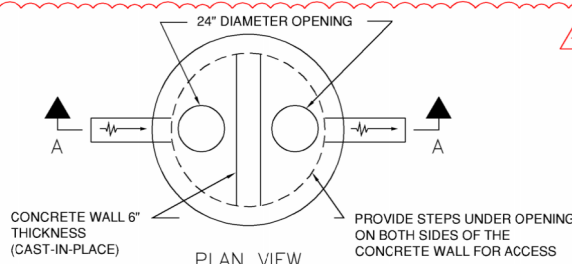
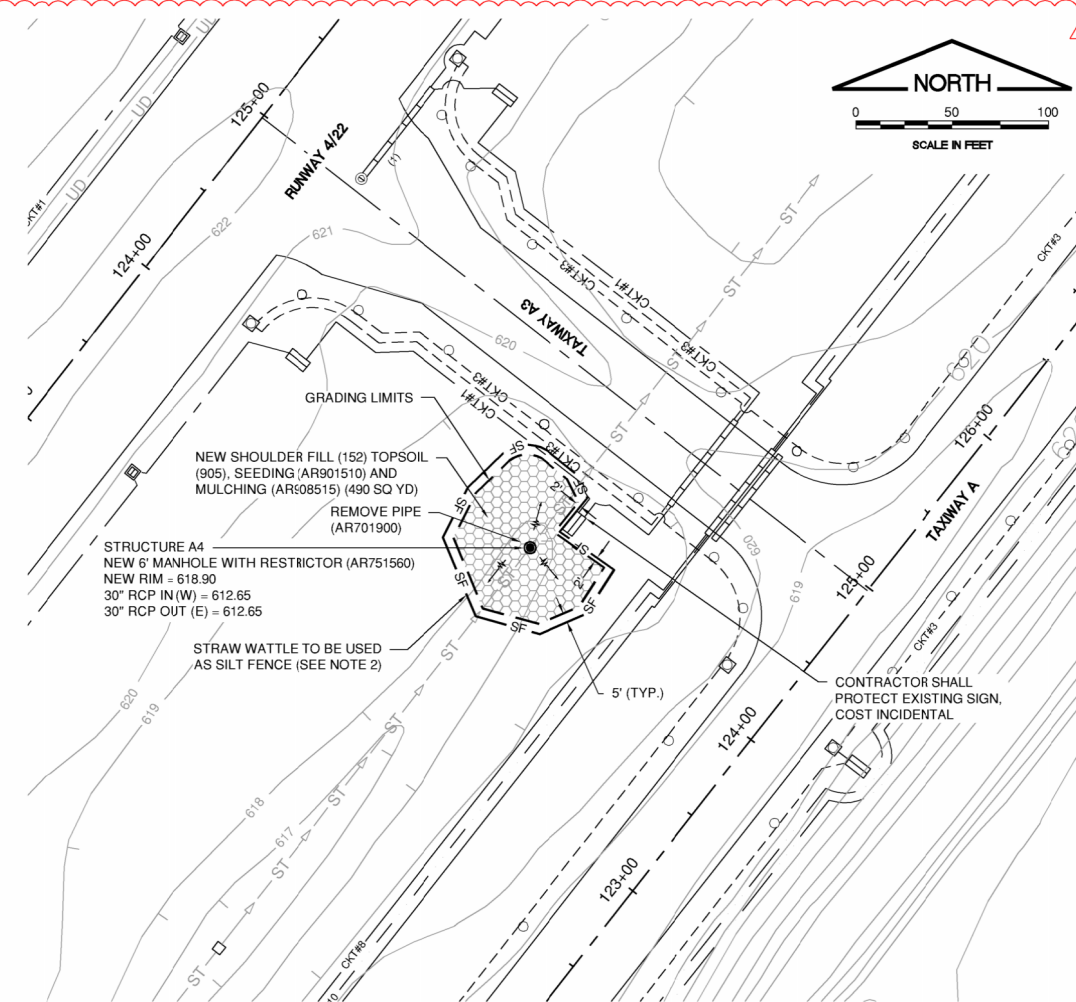
LEGEND

- NEW SHOULDER FILL (152), 4" TOPSOIL PLACEMENT (905), SEEDING (AR901510) AND MULCHING (AR908515)
- SF NEW ROLLED EXCELSIOR (PAID UNDER AR156510, SILT FENCE)
- NEW GRADING LIMITS
- NEW MANHOLE

FOR EXISTING CONDITIONS LEGEND SEE SHEET 16.

NOTES

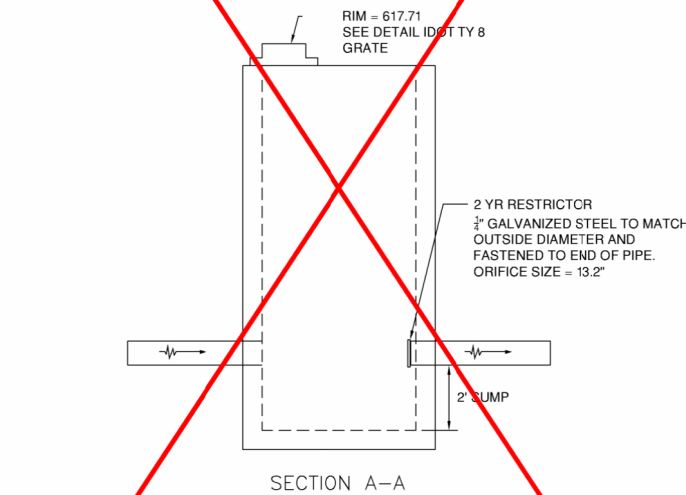
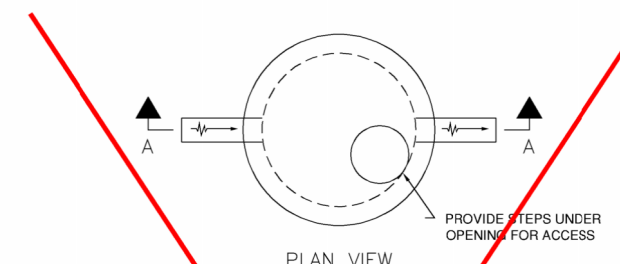
1. SEE STORM WATER POLLUTION PREVENTION PLAN NOTES AND DETAILS SHEETS FOR ADDITIONAL REQUIREMENTS.
2. STRAW WATTLE SHALL BE USED AS SILT FENCE WITHIN THE RUNWAY 4/22 SAFETY AREA AND THE TAXIWAY A OBJECT FREE AREAS, PAID UNDER AR156510. SILT FENCE. STRAW WATTLE SHALL BE 9 INCHES IN DIAMETER.
3. AREA DISTURBED OUTSIDE THE GRADING LIMITS SHALL BE GRADED SMOOTH TO DRAIN AND BE SEEDED AND MULCHED. AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT, INCLUDING THE STAGING AND STORAGE AREA.
4. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER.
5. CONNECTION OF EXISTING STORM SEWER TO NEW MANHOLE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. CONTRACTOR SHALL LIMIT GRADING NORTH-OF THE STORM SEWER LINE TO 3% TO 5% AND 10:1 SOUTH OF THE STORM SEWER LINE. GRADING SHALL ENSURE POSITIVE DRAINAGE FLOW.



RESTRICTOR MANHOLE A4 DETAIL

NOT TO SCALE

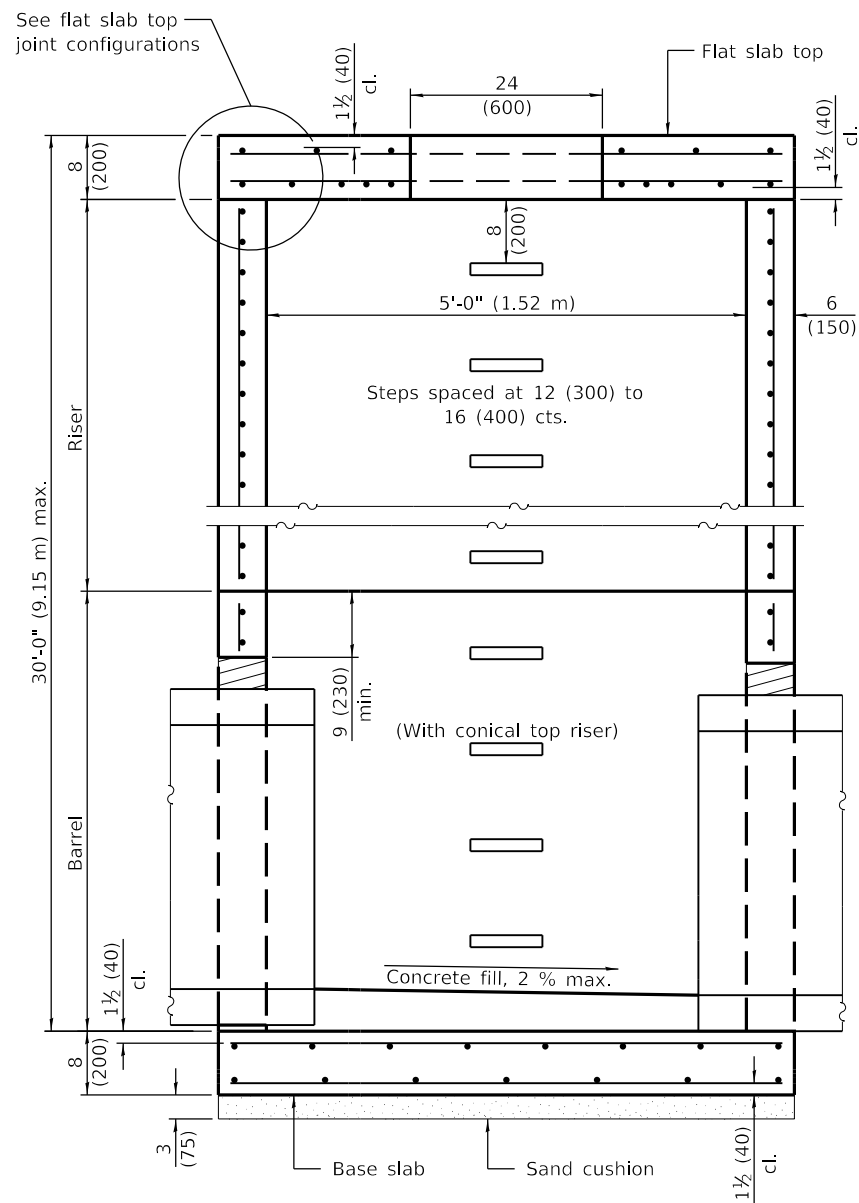
- NOTES:
1. MANHOLE IS AN IDOT TYPE A 6" MANHOLE WITH MODIFIED RESTRICTOR AS SHOWN.



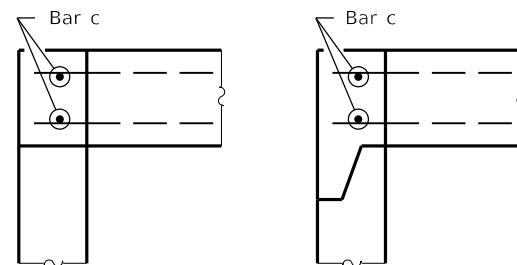
RESTRICTOR MANHOLE DETAIL

NOT TO SCALE

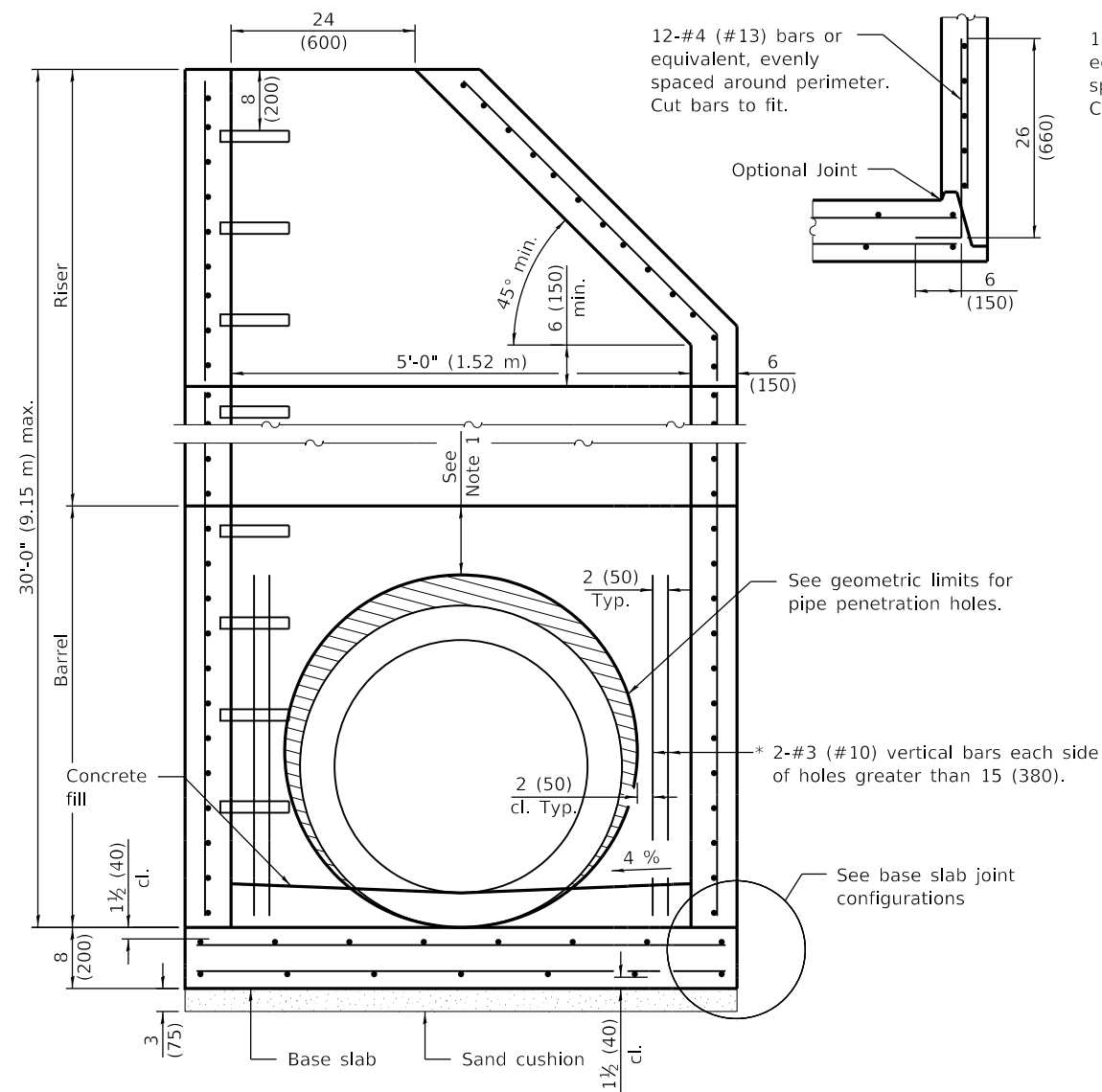
- NOTES:
1. RESTRICTOR MANHOLE IS AN IDOT MODIFIED MANHOLE AS SHOWN.
 2. USE SNOOT WITH ANTISIPHON DEVICE FOR RESTRICTORS SMALLER THAN 4" IN DIAMETER.



SECTION PARALLEL TO PIPE
(Without conical top riser)



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

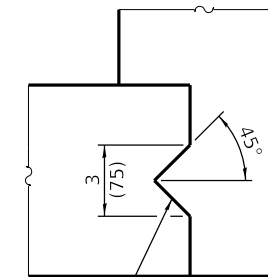


SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.

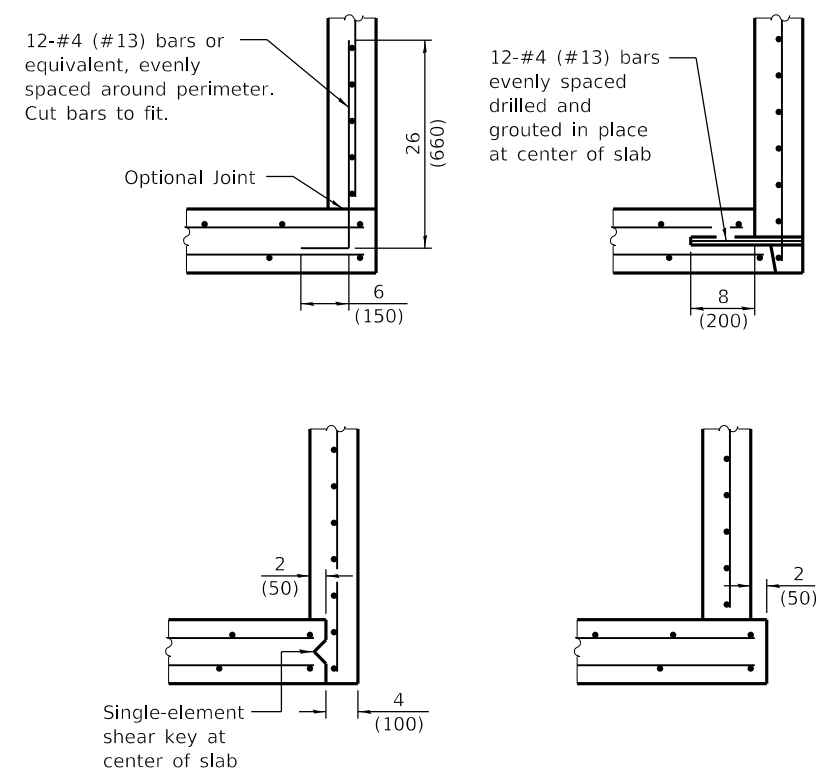
GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



Single-element shear key at center of slab

SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)



BASE SLAB JOINT CONFIGURATIONS

GENERAL NOTES

- The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
- Lifting holes shall be located in the sections as per the manufacturer's recommendations.
- See Standard 602701 for details of manhole steps.
- All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
5' (1.52 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602402-03

Illinois Department of Transportation

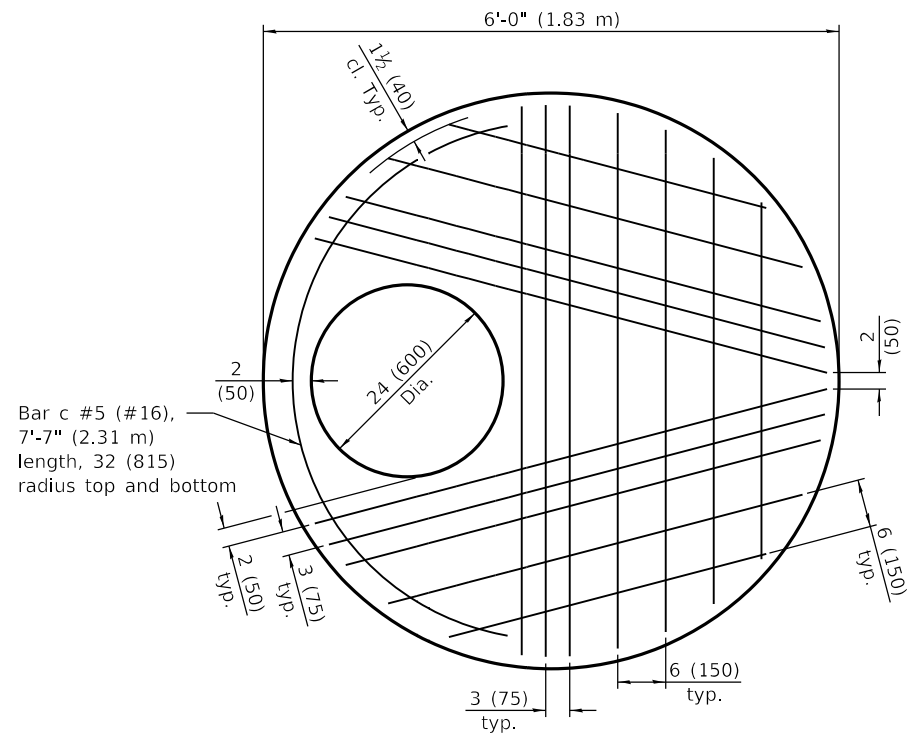
PASSED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

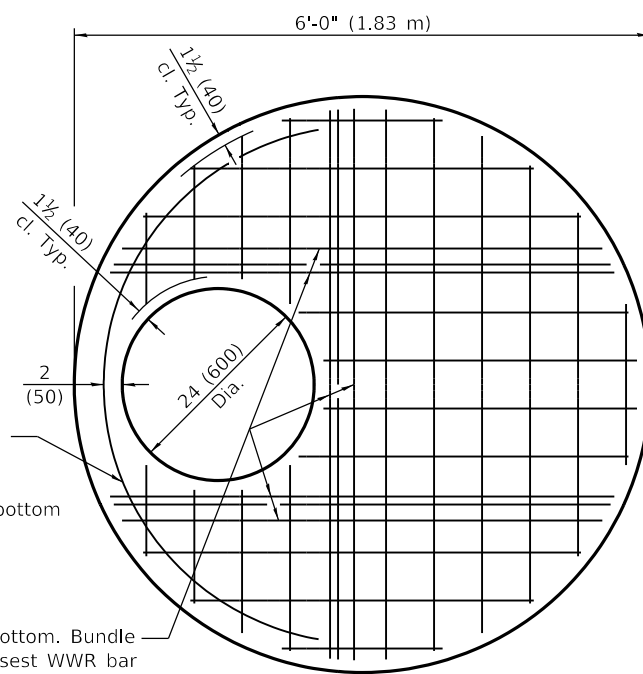
ENGINEER OF DESIGN AND ENVIRONMENT

81-1-1 Q3US1



PLAN - FLAT SLAB TOP

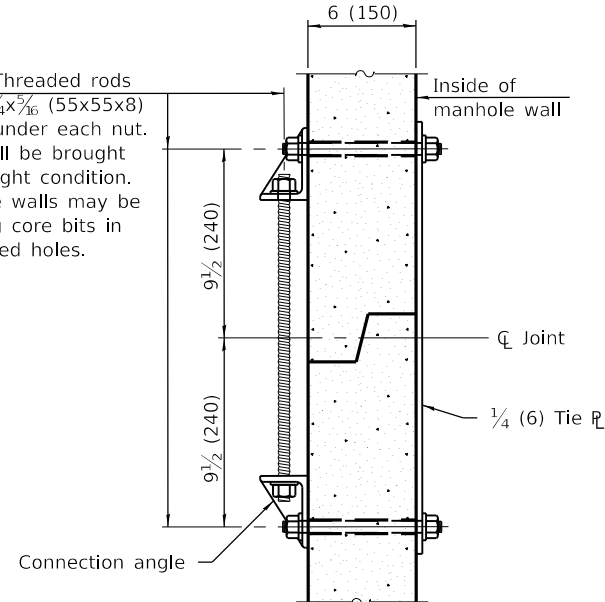
(Showing layout of bottom reinforcement bars and c bars)



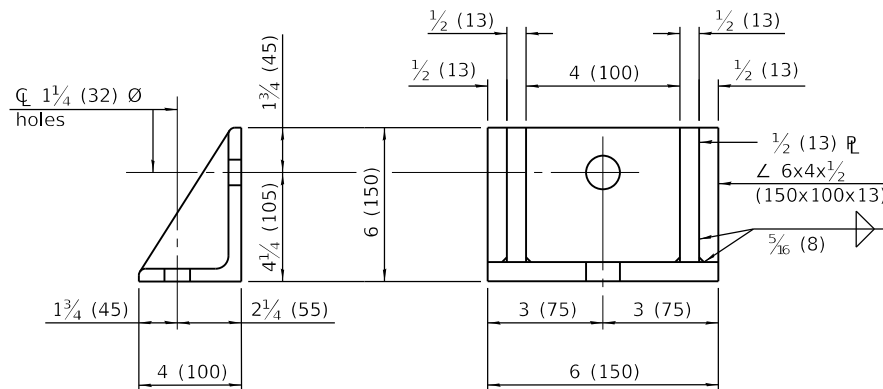
PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)

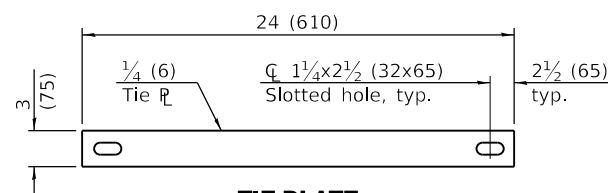
1(25) \varnothing Threaded rods with $2\frac{1}{4} \times 2\frac{1}{4} \times \frac{5}{16}$ (55x55x8) \varnothing washers under each nut. All nuts shall be brought to a snug tight condition. Holes in the walls may be drilled using core bits in lieu of formed holes.



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)	Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	** 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#4 (#13)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A _s (min.)	Spacing (max.)
Riser	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A _s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation

PASSED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-18

PRECAST MANHOLE TYPE A
5' (1.52 m) DIAMETER

(Sheet 2 of 2)

STANDARD 602402-03