

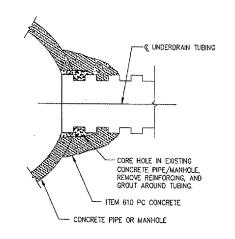
NOTES

REFABRICATED CONCRETE SLAB.

SECTION ALTERNATE IS USED.

WHEN THE PRECAST REINFORCED CONCRETE

- 1. FOR STRUCTURE LOCATIONS SEE STORM SEWER SCHEDULE,
- 2. FRAME AND GRATE, ADJUSTING RINGS OR RISER SHALL BE MORTARED.
- 3. ALL MANHOLE AND INLET STRUCTURES TO BE PRECAST.



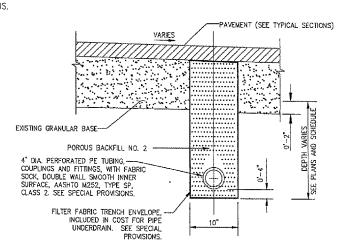
STORM SEWER CONCRETE COLLAR AND GROUT CONNECTION

FRAME (SEE STRUCTURE WAQ55 RIM ELEVATION CONC. ADJUSTING RINGS AS REQUIRED, 12" MAX. PRECAST REINFORCED -CONCRETE FLAT SLAB TOP, SEE DETAIL THIS SHEET CAST IRON STEPS 12"-16" ON CTR. NEENAH R-1980-I OR EQUAL PRECAST CUTOUT FOR UNDERDRAINS PRECAST REINFORCED SEE SCHEDULES FOR INVERT CONCRETE SECTIONS ELEVATION AND PLAN AND PROFILE SHEET FOR LOCATION OUTLET INLET 1/2 PIPE DIA PREFABRICATED CONCRETE SLAB BENCH, ITEM 610 PC CONCRETE

SAND CUSHION

UNDER PAVED AREAS

- 1. FOR FRAME AND LID INFORMATION SEE STRUCTURE DATA.
- 2. CENTER OF FRAME TO BE USED FOR LOCATING STRUCTURE. FOR



UNDERDRAIN UNDER PAVEMENT

NOTES

- STRUCTURE LOCATIONS AND ADDITIONAL INFORMATION SEE SCHEDULE.
- 3. ALL STRUCTURES TO BE PRECAST REINFORCED CONCRETE SECTIONS; BENCHES MAY BE CAST IN PLACE,

MANHOLE WITH FLAT SLAB TOP

(IDOT STANDARD 602406-MODIFIED)

831-04TXYD 8/01/05 Designed By Date RMH/TMM 04/11/05 Reviewed By Date

No. Drawing Issue Description

Sheet Title

MAY 06, 2005

DRAINAGE DETAILS

66

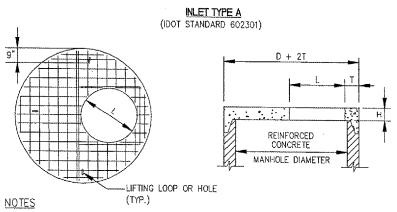
Date By

DETAILS SHOWN ARE NOT TO SCALE

1. SEE DRAINAGE AND UNDERDRAIN SCHEDULE FOR LOCATION, SIZE AND NUMBER OF PIPE CONNECTIONS.

ALTERNATE METHODS

2. INLETS TO BE PRECAST REINFORCED CONCRETE SECTIONS (T = 3").



- 1. ADDITIONAL TOP AND BOTTOM BARS PLACED ADJACENT TO ACCESS HOLE.
- 2. MINIMUM 1" COVER ON STEEL BARS.
- THREE LIFTING LOOPS OR HOLES.

PRECAST REINFORCED CONCRETE SLAB

- MINIMUM STEEL REINFORCEMENT IN EACH DIRECTION TO BE WWF 1.06 SQ. IN./FT. IN ACCORDANCE WITH AASHTO M199 AND IDOT STANDARDS.
- 5. FOR "L" DIMENSION SEE STORM SEWER SCHEDULES.

PRECAST REINFORCED CONCRETE FLAT SLAB TOP

(IDOT STANDARD 602601)

STRUCTURE DATA

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	STRUCTURE NUMBER	STRUCTURE TYPE	INSIDE DIA. "D" (IN.)	WALL THICKNESS "T" (IN.)	TOP THICKNESS "H" (IN.)	BOTTOM THICKNESS "B" (IN.)	FRAME HEIGHT "X" (IN.)	HOLE OPENING "L" (IN.)	FRAME TYPE (EAST JORDAN)	COVER/GRATE (EAST JORDAN)	
	INL 10	INLET	24	3		4	6	24	1020	TYPE M1	
	INL 11	INLET	24	3	~~~	4	6	24	1020	TYPE M1	
	MH 12	MANHOLE	48	5	6	6	6	24	1020	TYPE MI	
	FES 10	F.E.S.	- 12							SEE DETAIL	

FINISHED GRADE -4" TOPSOIL PAVEMENT SECTION (SEE TYPICAL SECTIONS) SUBGRADE COMPACTED GRANULAR TRENCH COMPACTED SELECT BACKFILL, SEE SPECIFICATIONS. EARTH BACKFILL COST INCIDENTAL TO PIPE. -DRAINAGE PIPE, ITEM 701 COMPACTED FA-6 BEDDING MATERIAL IN ACCORDANCE - D/2 WITH SPECIFICATIONS, COST INCLUDED IN ITEM 701.

1. UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.

WITHIN 3 FEET OF PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF

3. AT CONTRACTOR'S OPTION IDOT CONTROLLED LOW STRENGTH MATERIAL WITH A HIGH EARLY STRENGTH, "FLASH FILL", MAY BE USED INSTEAD OF GRANULAR TRENCH BACKFILL UNDER PAVEMENTS.

0.D. + 2'-0"

NOTES

UNDER UNPAVED AREAS

PIPE TRENCH

Waukegan Regional Airport Waukegan Regional Port District

3580 North McAree Road Waukegan, Illinois 60087 Phone: 847.244.0055 Fax: 847.244,3813

REPAIR SELECTED PAVEMENT AREAS, REHABILITATE HANGAR TAXILANES AND SERVICE ROAD, AND CONSTRUCT NEW HANGAR **PAVEMENTS**

CPHANSON

HANSON PROFESSIONAL SERVICES INC.

815 Commerce Drive, Suite 200

Oak Brook, Illinois 60523

Telephone: 630,990,3800

Fax: 630.990.3801

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