

GENERAL NOTES

EROSION CONTROL

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

207	TEMPORARY SEEDING AND MULCHING	4265	S.Y.
207	STRAW OR HAY BALES	1000	EACH
207	FILTER FABRIC FENCE	1000	LIN. FT.
207	TEMPORARY BENCHES, DIKES, DAMS, AND SEDIMENT BASINS	500	C.Y.
659	COMMERCIAL FERTILIZER	1	TONS
659	REPAIR SEEDING AND MULCHING	1067	S.Y.
659	WATER	10	M.GAL.

THESE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM 207 - FILTER FABRIC FENCE

MATERIALS:

FILTER FABRIC SHALL MEET THE REQUIREMENT OF ITEM 207.02.

CONSTRUCTION:

THE BOTTOM OF THE FENCE SHALL BE BURIED 6" BELOW THE GROUND. THE FENCE SHALL BE HIGH ENOUGH TO RETAIN SEDIMENT LADEN WATER AND ADEQUATELY SUPPORTED TO PREVENT COLLAPSE OR BURSTING. THE GROUND ELEVATION OF THE FENCE SHALL BE HELD CONSTANT EXCEPT THAT THE END ELEVATIONS SHALL BE RAISED TO PREVENT FLOW AROUND THE END OF THE FENCE.

MAINTENANCE:

THE FILTER FABRIC FENCE SHALL, AT THE DIRECTION OF THE ENGINEER, BE MAINTAINED TO BE FUNCTIONAL. THIS SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT AND REQUIRED CLEANING, REPAIR, AND/OR REPLACEMENT OF THE FILTER FABRIC.

PAYMENT:

THE COST OF ALL MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL REQUIRED SHALL BE PAID FOR UNDER ITEM 207 LIN. FT. FILTER FABRIC FENCE.

DRAINAGE

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

EROSION CONTROL

ITEM 601 IS PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE THIS ITEM. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

SPRING DRAINS

REFERENCE IS MADE TO THE DETAILED DRAWING ON STANDARD CONSTRUCTION DRAWING MC-1, SHOWING THE METHOD OF DRAINING ANY SPRING THAT MAY BE SHOWN ON THE PLAN, OR ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS PURPOSE:

605	6" UNCLASSIFIED PIPE UNDERDRAIN, 707.01 TYPE III OR 707.21 TYPE III, AS PER PLAN	100	LIN. FT.
605	AGGREGATE DRAINS FOR SPRINGS	100	LIN. FT.

THE CONTRACTOR SHALL NOT ORDER MATERIALS FOR "SPRING DRAINS" UNTIL AUTHORIZED BY THE ENGINEER, AND IN THE EVENT NO SPRINGS ARE ENCOUNTERED, THE ITEM SHALL BE NON-PERFORMED.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

CASTINGS ADJUSTED TO GRADE

ALL EXISTING STRUCTURES TO BE ADJUSTED TO GRADE HAVE BEEN FIELD CHECKED TO DETERMINE THAT THE EXISTING CASTINGS ARE SUITABLE FOR SALVAGE AND REUSE AT THE PARTICULAR STRUCTURE TO BE ADJUSTED TO GRADE. ADJUSTING RINGS SHALL NOT BE UTILIZED IN ADJUSTING CASTINGS TO GRADE. HOWEVER, EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE, AS DETERMINED BY THE ENGINEER, DURING CONSTRUCTION OF THE PROJECT. TO PROVIDE FOR THIS CONTINGENCY, AN ESTIMATED QUANTITY OF THE FOLLOWING HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTING OF THE REQUIRED TYPE, SIZE AND STRENGTH FOR THE PARTICULAR STRUCTURE IN QUESTION.

ITEM 604	MANHOLE FRAME & COVER, AS PER PLAN	2	EACH
ITEM 604	CATCH BASIN FRAME & COVER, AS PER PLAN	2	EACH

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND PLACEMENT OF ALL EXISTING CASTINGS. ANY CASTING DAMAGED BY THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS (MANHOLE-NEENAH R-1782 OR EAST JORDAN IRON WORKS, CATCH BASIN-NEENAH 4030-27 OR EAST JORDAN IRON WORKS 6027) BY THE CONTRACTOR, AT NO EXPENSE TO THE STATE.

NEW CASTINGS SHALL NOT BE ORDERED UNLESS AUTHORIZED BY THE ENGINEER.

ITEM 604 - CATCH BASIN 2-2-B, AS PER PLAN

THIS ITEM OF WORK SHALL CONFORM TO THE REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING CB-2-2-B, EXCEPT THAT THE GRATE SHALL BE A HEAVY DUTY BICYCLE SAFE GRATE AND SHALL BE AN EAST JORDAN IRON WORKS 6730-3 OR A NEENAH GRATE NO. 4859-C.

ITEM 604 - CATCH BASIN 2-4, AS PER PLAN

THIS ITEM OF WORK SHALL CONFORM TO THE REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING CB-2-4, EXCEPT THAT THE GRATE SHALL BE A HEAVY DUTY BICYCLE SAFE GRATE AND SHALL BE AN EAST JORDAN IRON WORKS 6730-3 OR A NEENAH GRATE NO. 4859-C.

INLETS, CATCH BASINS AND CONDUITS

THE FOLLOWING CONTINGENCY ITEMS HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 604	INLET NO. 1-1	5	EACH
ITEM 604	CATCH BASIN NO. 2-2-B	5	EACH
ITEM 603	6" CONDUIT, TYPE B	100	LIN. FT.
ITEM 603	6" CONDUIT, TYPE C	100	LIN. FT.
ITEM 603	12" CONDUIT, TYPE B	100	LIN. FT.
ITEM 603	12" CONDUIT, TYPE C	100	LIN. FT.

PAVEMENT

PAVEMENT REPLACEMENT

QUANTITIES OF ITEM 404 ASPHALT CONCRETE AND ITEM 301 BITUMINOUS AGGREGATE BASE HAVE BEEN PROVIDED FOR PAVEMENT REPLACEMENT RELATED TO STORM SEWER CONSTRUCTION TO BE USED AS DIRECTED BY THE ENGINEER. THESE QUANTITIES ARE TO BE USED IN ACCORDANCE WITH THE DETAILS SHOWN ON SHEET 144. THESE QUANTITIES ARE IN ADDITION TO PAVEMENT REPLACEMENT AREAS SPECIFICALLY SHOWN FOR HOPKINS ROAD ON SHEETS 44 THRU 55 AND CALCULATED ON SHEET 18.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK, AS DIRECTED BY THE ENGINEER.

ITEM 404	ASPHALT CONCRETE, AC-20	10	CU. YD.
ITEM 301	BITUMINOUS AGGREGATE BASE, AC-20	42	CU. YD.

TRAFFIC CONTROL

ITEM 642 - CENTER LINE, TYPE II, AS PER PLAN

CENTER LINE SHALL BE 4" DASHED YELLOW LOCATED AT THE CENTER LINE OF 10' AND 12' WIDE PAVEMENT AS PER ITEM 642 AND APPLIED IN 12-FOOT CYCLES CONSISTING OF A 3-FOOT DASH AND A 9-FOOT GAP BETWEEN DASHES.

CENTER LINES SHALL NOT BE PAINTED THROUGH BIKE RAMPS, EXISTING PAVING OR WITHIN 10'-0" OF NEW PAVING INTERSECTIONS.

TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS

REFERENCES TO SUPPLEMENTAL SPECIFICATIONS 857, 858, 861, 957, 958 AND 961 ON THE TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS IN THESE PLANS SHALL BE CONSIDERED TO READ AS RESPECTIVE REFERENCES TO ITEMS 603, 631, 633, 730, 731 AND 733.

TEMPORARY PAVEMENT MARKINGS

THE BIKEWAY SHALL NOT BE OPENED TO BICYCLE TRAFFIC UNTIL EITHER THE PERMANENT OR TEMPORARY PAVEMENT MARKINGS ARE IN PLACE. THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER:

ITEM 614	TEMPORARY CENTER LINES, CLASS II	2.30	MILES
ITEM 614	TEMPORARY EDGE LINES, CLASS I	2.35	MILES
ITEM 614	TEMPORARY STOP LINES, CLASS I	244	LIN. FT.
ITEM 614	TEMPORARY DOTTED LINES, CLASS I	1460	LIN. FT.

THESE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.