

GENERAL NOTES

DRAINAGE (Cont.)

UNRECORDED SANITARY CONNECTIONS

ANY UNRECORDED ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SEWER, AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603	6" CONDUIT, TYPE B, AS PER PLAN, 706.08 W/JOINTS AS PER 706.12	100 L.F.
ITEM 603	6" CONDUIT, TYPE C, AS PER PLAN, 706.08 W/JOINTS AS PER 706.12	100 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

TREATED SEPTIC CONNECTIONS

THE CONTRACTOR SHALL BE AWARE OF THE POSSIBILITY OF UNKNOWN ISOLATED AREAS OF TREATED SEPTIC CONNECTIONS WITHIN THE PROJECT LIMITS. IN THIS EVENT THE FOLLOWING SHALL APPLY:

TREATED SEPTIC FLOW MAY BE DISCHARGED INTO THE HIGHWAY DRAINAGE SYSTEM PROVIDED THE OWNER HAS ACQUIRED AN OFFICIAL PERMIT FROM THE LOCAL AUTHORITY.

IN EACH CASE WHERE A PERMIT HAS BEEN ISSUED FOR MAKING A TREATED SEPTIC CONNECTION INTO A HIGHWAY DRAINAGE CONDUIT, AN INSPECTION WELL SHALL BE PROVIDED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MC-8.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER, IN MAKING THE ABOVE DESCRIBED CONNECTIONS:

ITEM 603	6" CONDUIT, TYPE B, AS PER PLAN, 706.08 W/JOINTS AS PER 706.12	100 LIN.FT.
ITEM 603	6" CONDUIT, TYPE C, AS PER PLAN, 706.08 W/JOINTS AS PER 706.12	100 LIN.FT.
ITEM 604	INSPECTION WELLS	3 EACH

NECESSARY BENDS OR BRANCHES SHALL BE INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEM.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

UNTREATED SEPTIC CONNECTIONS

THIS PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT, ANY UNTREATED SEPTIC DRAINAGE INTO THE HIGHWAY DRAINAGE SYSTEM. ANY PIPE CARRYING UNTREATED SEPTIC FLOW SHALL BE PLUGGED WITH CLASS C CONCRETE AT THE RIGHT-OF-WAY LINE. PAYMENT FOR PLUGGING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 203 EXCAVATION. THIS NOTE DOES NOT APPLY WITHIN AREAS NOT SERVICED BY SANITARY SEWERS AND WITHIN THE JURISDICTION OF LOCAL PUBLIC HEALTH AUTHORITIES.

HOUSE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS, DISTURBED BY THE PROPOSED WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE OR CATCH BASINS. THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603	6" CONDUIT, TYPE B, 706.08	100 L.F.
ITEM 603	6" CONDUIT, TYPE C, 706.08	100 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

SPRING DRAINS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR DRAINING ANY SPRINGS SHOWN IN THE PLAN OR ENCOUNTERED DURING CONSTRUCTION. THE FOLLOWING TYPES OF PIPES MAY BE USED: 707.17; ASTM D3034 SDR 35, SS 931 OR SS 944 PERFORATED PER 707.15.

SPRING DRAINS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD CONSTRUCTION DRAWING MC-1 AND PAID FOR AT THE CONTRACT PRICE FOR:

605, 6" UNCLASSIFIED PIPE UNDERDRAIN	100 L.F.
605, AGGREGATE DRAIN,	100 L.F.

ITEM 604 - CASTINGS ADJUSTED TO GRADE, AS PER PLAN

ALL MANHOLES, INLET BASINS, AND OTHER CASTINGS ENCOUNTERED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO GRADE. ADJUSTING RINGS SHALL NOT BE AN ACCEPTED MEANS OF ADJUSTING CASTINGS. BRICK USED FOR ADJUSTING TO GRADE SHALL BE CLAY OR SHALE BRICK MEETING THE REQUIREMENTS OF ASTM C 32 SEWER BRICK GRADE SM. CONCRETE BRICK OR MASONRY BLOCK SHALL NOT BE USED. OTHERWISE ALL WORK SHALL BE IN ACCORDANCE WITH ITEM 604.

ITEM 604 - INLET NO. 1

THE FOLLOWING CONTINGENCY ITEMS ARE TO BE USED AS DIRECTED BY THE ENGINEER TO DRAIN WATER TRAPPED IN LOW AREAS BEHIND THE PAVEMENT.

ITEM 604	INLET NO. 1	10 EACH
ITEM 603	8" CONDUIT, TYPE B, 706.08	200 L.F.
ITEM 603	8" CONDUIT, TYPE C, 706.08	200 L.F.

ITEM 604 - CATCH BASIN NO. 2-2-B, AS PER PLAN

CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH ITEM 604 EXCEPT THAT THE GRATES SHALL BE NEENAH NO. R-4859-C OR EAST JORDAN NO. 6730-2 OR APPROVED EQUAL.

ITEM SPECIAL, MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL GRATES SHALL BE BICYCLE SAFE AND ALL MATERIALS SHALL MEET ITEM 604 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL 5000 LBS.

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

EROSION CONTROL

ITEM 660, SODDING

SODDING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE EDGE OF PAVEMENT AND CONSTRUCTION LIMITS AS SHOWN ON THE CROSS SECTIONS. QUANTITY CALCULATIONS FOR ITEM 660, SODDING, ARE BASED ON THESE LIMITS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

660, SODDING 5100 SQ. YD.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED TO PROMOTE GROWTH FOR SODDED AREAS PER 659.08:

659, COMMERCIAL FERTILIZER
(20 lbs./1000 SQ. FT.)= 0.46 TONS
659, AGRICULTURAL LIMING
(46 lbs./1000 SQ. FT.) X 220%= 2.32 TONS

WATERING SODDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR SODDED AREAS PER 659.09:

659, WATER 11 M. GAL.

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 1600 SQ. YD.
207, STRAW OR HAY BALES 500 EACH
207, FILTER FABRIC FENCE 500 LIN. FT.
659, COMMERCIAL FERTILIZER 0.07 TON
659, WATER 4 M GAL.

PAVEMENT

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR

THIS ITEM IS TO BE USED TO REPAIR DISTRESSED PAVEMENT SURFACES AND POTHoles. REPAIR AREAS SHALL BE AS DIRECTED BY THE ENGINEER. TYPICAL REPAIR SECTIONS APPEAR ON SHEET 54. THE FOLLOWING ESTIMATED QUANTITIES BASED ON 10% OF THE TOTAL EXISTING PAVEMENT AREA, HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR 1340 SQ.YD.

ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT

ITEM 252 - FULL DEPTH PAVEMENT SAWING

THESE ITEMS ARE TO BE USED FOR FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT REPAIRS. REPAIR AREAS SHALL BE AS DIRECTED BY THE ENGINEER. TYPICAL REPAIR SECTIONS APPEAR ON SHEET 54. THE FOLLOWING ESTIMATED QUANTITIES, BASED ON 10% OF THE TOTAL PAVEMENT AREA WITH EXISTING CONCRETE BASE, HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER. THESE ITEMS ARE IN ADDITION TO THOSE SPECIFIED LOCATIONS NOTED ON THE PLAN.

ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT 1200 S.Y.
ITEM 252 - FULL DEPTH PAVEMENT SAWING 3600 L.F.

ITEM 253 - PAVEMENT REPAIR

THIS ITEM IS TO BE USED FOR FULL DEPTH PAVEMENT REPAIRS. REPAIR AREAS SHALL BE AS DIRECTED BY THE ENGINEER. TYPICAL REPAIR SECTIONS APPEAR ON SHEET 54. THE FOLLOWING ESTIMATED QUANTITIES, BASED ON 10% OF THE TOTAL FULL DEPTH ASPHALT PAVEMENT AREA HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER. THESE ITEMS ARE IN ADDITION TO THOSE SPECIFIED LOCATIONS NOTED ON THE PLAN.

ITEM 253 - PAVEMENT REPAIR 150 SQ.YD.

ITEM 254 - PAVEMENT PLANING, BITUMINOUS

PAVEMENT PLANING AREAS SHALL BE AS PER THE TYPICAL SECTION ON SHEET 3.

PAVEMENT PLANING WORK ZONE LENGTHS SHALL BE KEPT TO AN ABSOLUTE MINIMUM. TRAFFIC SHALL NOT BE EXPOSED TO LONGITUDINAL VERTICAL FACES DURING NON-WORKING HOURS.

TRANSVERSE VERTICAL FACES SHALL BE TEMPORARILY RAMPED A MINIMUM OF 10 FEET IN LENGTH. THE TRAFFIC SHALL BE WARNED WITH AN OW-62 "BUMP" SIGN IN ADVANCE OF THE PLANING AREA, EXCEPT AT STOP CONDITION LOCATIONS.

THE TIME BETWEEN PAVEMENT PLANING OPERATIONS AND PAVEMENT RESURFACING OPERATIONS SHALL BE KEPT TO A MINIMUM AND SHALL IN NO CASE EXCEED TWO(2) WEEKS TO PROTECT THE EXISTING SUBPAVEMENT FROM UNDUE EXPOSURE.

ITEM 407, TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.10 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

SUBBASE/SUBGRADE FAILURES

IF, AFTER FULL DEPTH REMOVAL OF THE EXISTING PAVEMENT THE ENGINEER DETERMINES THAT THE SUBBASE OR SUBGRADE HAS FAILED OR IS PUMPING, HE SHALL DIRECT THE CONTRACTOR TO EXCAVATE THE UNSUITABLE MATERIAL AND REPLACE IT WITH ITEM 310 - SUBBASE AS NECESSARY.

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

ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION	100 C.Y.
ITEM 310 - SUBBASE, TYPE I, GRADING A, AS PER PLAN	100 C.Y.