

GENERAL NOTES

CLOSURE OF REST AREAS TO THE PUBLIC

REST AREAS SHALL BE CLOSED TO THE TRAVELING PUBLIC FOR THE TOTAL TIME PERIOD OF CONSTRUCTION.

BENCH MARK & BASE LINE

A BENCH MARK AND BASE LINE WILL BE ESTABLISHED BY O.D.O.T PERSONNEL.

MOBILIZATION, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 SQ. FT. OF FLOOR SPACE WHICH SHALL BE IN ACCORDANCE WITH 619.01 AND 619.02. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 624 MOBILIZATION, AS PER PLAN.

STORAGE OF MATERIALS & EQUIPMENT

ALL MATERIALS, EQUIPMENT AND VEHICLES SHALL BE STORED WITHIN THE CONFINES OF THE PARKING LOTS AT THE DIRECTION OF THE ENGINEER.

UTILITIES NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ANY AREA WHICH MAY INVOLVE UNDERGROUND FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UNDERGROUND UTILITY PROTECTION SERVICES AND THE OWNERS OF ALL UNDERGROUND UTILITY FACILITIES SHOWN IN THE PLANS.

AFTER NOTICE IS RECEIVED, THE OWNER OF ANY UNDERGROUND UTILITY FACILITY THAT IS TO REMAIN IN SERVICE DURING AND/OR AFTER CONSTRUCTION SHALL WITHIN FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

THE FOLLOWING UTILITIES WILL BE AFFECTED BY THIS PROJECT:

ELECTRIC:

CLEVELAND ELECTRIC ILLUMINATING COMPANY
2210 SOUTH RIDGE WEST
ASHTABULA, OHIO 44004
(216) 352-9361

TELEPHONE:

OHIO BELL TELEPHONE COMPANY
820 W. SUPERIOR AVENUE
CLEVELAND, OHIO 44113
(216) 822-6421

WATER:

CITY OF PAINESVILLE WATER DEPARTMENT
7 RICHMOND STREET
PAINESVILLE, OHIO 44007
(216) 352-9301

SEWER:

LAKE COUNTY SANITARY ENGINEERS OFFICE
105 MAIN STREET
NOWLAND BUILDING, 2ND FLOOR
PAINESVILLE, OHIO 44007
(216) 352-6821

HIGHWAY LIGHTING:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 12 OFFICE
10100 BROADWAY
GARFIELD HEIGHTS, OHIO 44125
(216) 641-1926

UNDERDRAINS FOR PULL BOXES

REFERENCE IS MADE TO STANDARD DRAWING HL-10 FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED APPROXIMATELY 20 FEET. AN ESTIMATED QUANTITY OF "25 LINEAR FEET OF ITEM 605, 4" SHALLOW PIPE UNDERDRAINS" IS INCLUDED IN THE LIGHTING GENERAL SUMMARY FOR THIS PURPOSE.

ITEM 625 - CABLE SPLICING KIT

THIS ITEM SHALL CONSIST OF PROVIDING AND INSTALLING AN APPROVED CABLE SPLICING KIT AS DESCRIBED IN PARAGRAPH 5 OF SECTION 713.15 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE COST OF ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EACH "ITEM 625 - CABLE SPLICING KIT."

HIGH VOLTAGE DIRECT CURRENT TEST

A HIGH VOLTAGE DIRECT CURRENT TEST, AS DESCRIBED IN SUPPLEMENTAL SPECIFICATION 839, SHALL BE PERFORMED ON ALL SECONDARY FEEDER CABLE, DISTRIBUTION CABLE AND DUCT CABLE SYSTEMS TO BE INSTALLED ON THIS PROJECT. THE TEST SHALL NOT BE PERFORMED UNTIL AFTER ALL NEW CONSTRUCTION, SUCH AS GUARDRAIL, FENCE, DELINEATOR POSTS, SIGN SUPPORTS, ETC., IN THE IMMEDIATE VICINITY OF THE LOCATION OF THE CABLE RUN BEING TESTED, HAS BEEN COMPLETED.

SPECIFICATIONS

THESE NOTES ARE SUPPLEMENTAL TO ITEMS 625 AND 713 OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

REFERENCE SHALL BE MADE TO STANDARD CONSTRUCTION DRAWINGS LISTED ON THE TITLE SHEET OF THESE PLANS.

713.14 LAMPS

HIGH PRESSURE SODIUM LAMPS SHALL BE GENERAL ELECTRIC "LUCALOX", WESTINGHOUSE "CERMALUX", SYLVANIA "LUMALUX", OR EQUAL APPROVED BY THE ENGINEER. 100 WATT HP5 LAMPS SHALL BE OF THE 100 VOLT DESIGN, ANSI S56.

625.07 - 713.11 LUMINAIRES

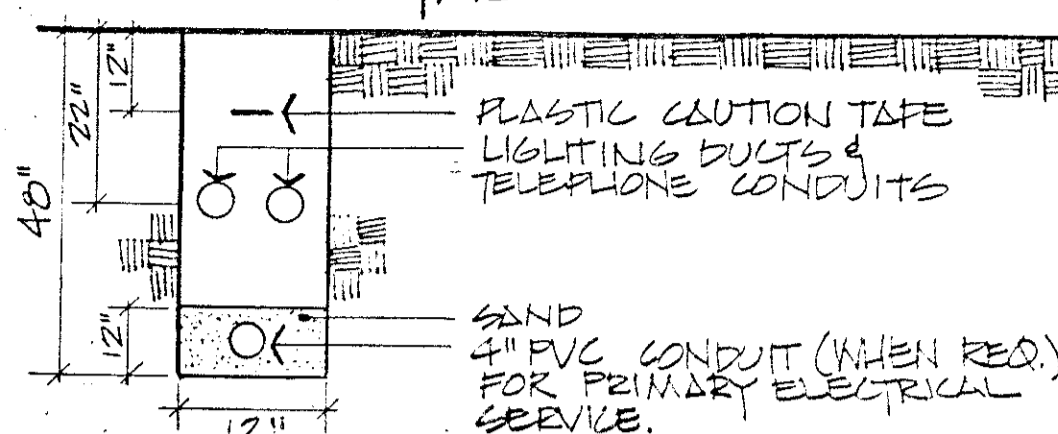
STYLE A LUMINAIRES SHALL HAVE SINGLE RATED 240 VOLT, 200 WATT, INTEGRAL REGULATOR BALLASTS FOR USE WITH HIGH PRESSURE SODIUM LAMPS AND SHALL BE GENERAL ELECTRIC M250R, WESTINGHOUSE OV-14 ITT AMERICAN 250 OR EQUAL APPROVED BY THE ENGINEER.

POST TOP LUMINAIRES SHALL HAVE SINGLE RATED 100 WATT 240 VOLT BALLASTS FOR USE WITH HIGH PRESSURE SODIUM LAMPS AND SHALL BE GENERAL ELECTRIC, WESTINGHOUSE, ITT AMERICAN ELECTRIC OR EQUAL APPROVED BY THE ENGINEER.

THE HIGH PRESSURE SODIUM BALLAST, INCLUDING STARTING AIDS, MUST PROTECT ITSELF AGAINST NORMAL LAMP FAILURE MODES. THE BALLAST SHALL BE CAPABLE OF OPERATION WITH THE LAMP IN AN OPEN OR SHORT CIRCUIT CONDITION FOR SIX MONTHS WITHOUT SIGNIFICANT LOSS OF BALLAST LIFE.

THE LUMINAIRE MANUFACTURER SHALL SUPPLY BALLAST ELECTRICAL DATA AND LAMP OPERATING VOLT-WATT TRACES FOR NOMINAL AND PLUS OR MINUS TEN PERCENT (+10%) RATED LINE VOLTAGE TO VERIFY BALLAST PERFORMANCE AND COMPLIANCE WITH LAMP SPECIFICATIONS, FOR THE RATED LIFE OF THE LAMP.

TRENCH DETAIL:



713.07 POLYVINYL CHLORIDE PLASTIC CONDUIT

CONDUIT FURNISHED UNDER THIS SPECIFICATION SHALL CONFORM TO NEMA STANDARDS PUBLICATION NO. TC-6 WITH THE EXCEPTION THAT CONDUIT AND CONDUIT FITTINGS COMPOSED OF ACRYLONITRILE-BUTADIENE-STYRENE (ABS) SHALL NOT BE ACCEPTABLE.

ITEM SPECIAL - CONCRETE SLABS

DETAIL PLACEMENT OF GRILLS, PICNIC TABLES AND SLABS, WASTE RECEPTACLE SLABS AND SLEEVES, SHALL BE AS DIRECTED BY THE ENGINEER IN CONSULTATION WITH THE DISTRICT LANDSCAPE ARCHITECT OR HORTICULTURIST. COST FOR EACH ITEM AND SLAB SHALL BE INCLUDED IN EACH ITEM SPECIAL AS DESCRIBED AND DETAILED ON THE FOLLOWING SHEETS: **6.9, 12, 15, 18, LA-10 & 13.**

ITEM 608 - 4" CONCRETE WALKS

SUBGRADE UNDER 4" CONCRETE WALKS SHALL BE COMPACTED TO A DEPTH OF 4 INCHES AS DESCRIBED IN 203.13. EXCAVATION FOR FOUR (4) INCHES OF SUBGRADE COMPACTION SHALL BE INCLUDED IN THE LUMP-SUM PRICE BID FOR ITEM 203 - EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION. EMBANKMENT FOR WALK AREAS SHALL BE INCLUDED IN THE LUMP-SUM PRICE BID FOR ITEM 203 - EMBANKMENT.

7" PLAIN PORTLAND CEMENT PAVEMENT, AS PER PLAN
SUBGRADE UNDER SERVICE DRIVES AND CURB RAMPS SHALL BE COMPACTED TO A DEPTH OF SIX (6) INCHES AS DESCRIBED IN 203.13. JOINTS SHALL BE PLACED AT MAXIMUM 10 FOOT INTERVALS AND CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWING BP-5. THE COST OF JOINTS, GRADING, EXCAVATION AND COMPACTION SHALL BE INCLUDED IN ITEM 452 - 7" PLAIN PORTLAND CEMENT PAVEMENT, AS PER PLAN.

TRAFFIC MAINTENANCE

THE GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS (SIGNS, BARRIERS, ETC.) FOR CONTROL OF TRAFFIC DURING CONSTRUCTION AS SHOWN ON SHEET NO. **4 & 4A**.

THE CONTRACTOR SHALL FURNISH, PLACE AND SUBSEQUENTLY REMOVE THE BARRIER AS WELL AS FURNISH, ERECT AND SUBSEQUENTLY REMOVE ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES NECESSARY TO CLOSE THE REST AREAS. ANY TEMPORARY REARRANGEMENT OR ALTERATION OF THE TRAFFIC CONTROL DEVICES THAT MAY BECOME NECESSARY FOR THE CONTRACTOR TO FACILITATE OPERATIONS SHALL BE DONE BY THE CONTRACTOR, HOWEVER NO TRAFFIC CONTROL DEVICES SHALL BE REARRANGED OR ALTERED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. AT THE CONCLUSION OF THE TEMPORARY OPERATION, THE CONTRACTOR SHALL REPLACE THE TRAFFIC CONTROL DEVICES TO THEIR ORIGINAL POSITION AND CONDITION.

ITEM 201 CLEARING & GRUBBING

ALL TREES AND STUMPS IN THOSE AREAS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, EXCEPT THOSE TREES FOR WHICH PROTECTION AND PRESERVATION IS INDICATED BY THE ENGINEER IN CONSULTATION WITH THE DISTRICT LANDSCAPE ARCHITECT OR HORTICULTURIST.

THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SEEDING AND MULCHING

SEEDING AND MULCHING OF ALL CONSTRUCTION SITES AND OTHER DISTURBED AREAS WITHIN THE CONFINES OF THE REST AREAS (EXCLUSIVE OF THE SODDED AREAS) SHALL CONFORM TO 659.09. SEED MIXTURE SHALL CONFORM TO THAT SPECIFIED FOR USE IMMEDIATELY IN FRONT OF RESIDENCES.

SODDING, AS PER PLAN

ALL NEW CONCRETE WALKS AND DRIVES WITHIN THE REST AREAS SHALL HAVE A 3 FOOT BORDER OF SOD ON EACH SIDE. SOD SHALL BE LAID IN ACCORDANCE WITH ITEM 660 EXCEPT THAT IT SHALL BE KENTUCKY, BLUEGRASS, WEED FREE, AND BE COMMERCIALY CULTIVATED (NURSERY GROWN).

RENOVATION OF EXISTING GRASS AREAS

AREAS WHICH ARE DAMAGED DUE TO STORAGE OR CONSTRUCTION OPERATIONS UNDER THIS CONTRACT ARE TO BE FILLED IN AND UNIFORMLY COVERED WITH ONE (1) INCH OF TOPSOIL (653.02).

FERTILIZER (18-46-0), 659.03, SHALL BE APPLIED AT THE RATE OF 15 POUNDS PER 1,000 SQUARE FEET AND WORKED INTO THE SOIL TO A DEPTH OF THREE (3) INCHES.

SEED SHALL BE THE URBAN MIXTURE AS SPECIFIED IN 659.08. MULCH SHALL BE AS SPECIFIED IN 659.09.

THE EXTENT OF AREAS TO BE RENOVATED SHALL BE AS DETERMINED BY THE ENGINEER. ALL AREAS TO BE RENOVATED, PLUS THE IMMEDIATE ADJACENT AREA, SHALL BE MOWED TO A HEIGHT OF TWO (2) INCHES BEFORE ACTUAL OPERATION OF SEEDING AND RENOVATING EXISTING SOIL IN ACCORDANCE WITH ITEM 655. ALL AREAS TO BE RENOVATED SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

ITEM SPECIAL - SNOW FENCE - TREE PROTECTION

SNOW FENCE SHALL CONSIST OF WOOD PICKETS 1/2"x1 1/2"x4'-0" NOMINAL SIZE, PAINTED RED AND WOVEN WITH FIVE (5) DOUBLE STRANDS OF 12 GAUGE STEEL WIRE, SPACED APPROXIMATELY 2" APART. THE FENCE SHALL BE SUPPORTED BY STEEL OR WOOD POSTS OF ADEQUATE SIZE AND SPACING. USED FENCE AND POSTS IN GOOD CONDITION MAY BE USED AS APPROVED BY THE ENGINEER.

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT OF SNOW FENCE FURNISHED, ERECTED AND SUBSEQUENTLY REMOVED.

ITEM SPECIAL - WOOD BENCH

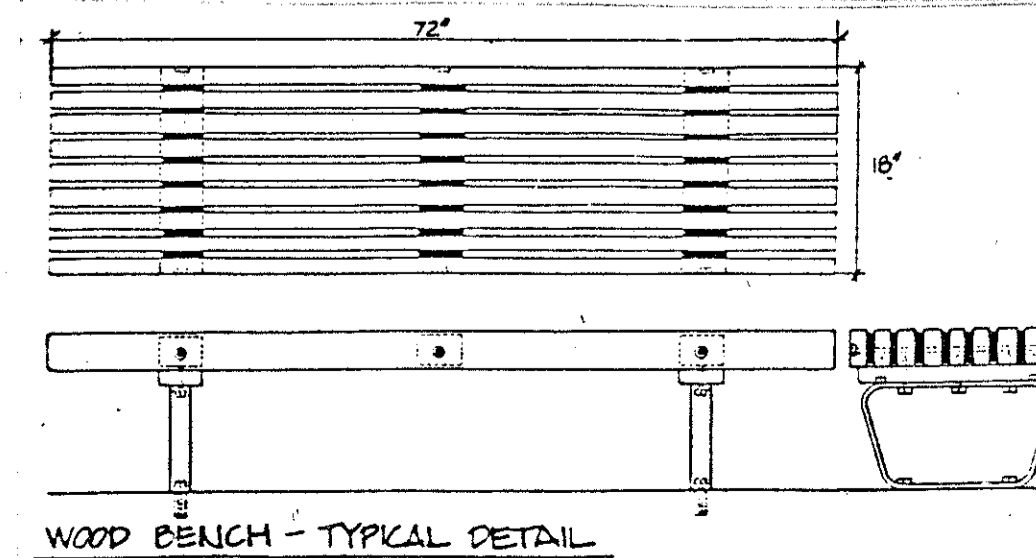
THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING WOOD BENCHES AS SHOWN ON THE PLANS.

BENCHES SHALL BE MADE OF CLEAR HEARTWOOD REDWOOD, APPROXIMATELY 72" LONG BY 18" WIDE, SEAT PLANKS SET ON EDGE, SURFACE MOUNTED WITH GALVANIZED VANDALPROOF FASTENERS AS PER MANUFACTURER'S RECOMMENDATIONS AND APPROVAL OF THE ENGINEER.

BENCHES SHALL BE AS MANUFACTURED BY THE FOLLOWING COMPANIES OR APPROVED EQUAL:

"MACOTTA" MB 7220
"VAUGHAN & ASSOC." FI7003R
"TIMBERFORM" 2160-2

THE COST OF ALL OF THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR EACH ITEM SPECIAL - WOOD BENCH.



TREE PROTECTION

NO WORK WILL BE PERMITTED WHERE TREES, SHRUBS OR UTILITIES ARE PRESENT WITHIN THE WORK LIMITS OF THE REST AREA PROJECT PRIOR TO STAKING BY THE GENERAL CONTRACTOR OF THE LIMITS OF ALL REST AREA BUILDINGS, SERVICE DRIVES, SIDEWALKS, GRADING WORK AND EXISTING AND PROPOSED UTILITY LINES.

THE METHOD FOR MARKING TREES AND SHRUBS TO BE SALVAGED, PROTECTED OR REMOVED WILL BE ESTABLISHED BY THE ENGINEER, DISTRICT LANDSCAPE ARCHITECT OR HORTICULTURIST AND THE GENERAL CONTRACTOR PRIOR TO WORK AROUND ANY EXISTING TREES, SHRUBS AND UTILITY LINES.

TREE AND ROOT SYSTEM PROTECTION USING SNOW FENCE SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AS INDICATED ON THE PLAN AND AS DIRECTED BY THE ENGINEER. TREE ROOT AREAS EQUAL TO THE BRANCH SPREAD SHALL BE PROTECTED AS PER STANDARD DRAWING LA-1.

ONLY PNEUMATIC TIRED EQUIPMENT SHALL BE USED WITHIN THE REST AREAS OUTSIDE THE PARKING LOTS. CARE SHALL BE TAKEN BY THE VARIOUS CONTRACTORS NOT TO OPERATE EQUIPMENT OR OTHER VEHICLES WHEN THE GROUND IS WET OR SOFT IN ORDER TO AVOID DEEP RUTTING, SOIL COMPACTION AND OTHER DESTRUCTION OF TREE ROOT SYSTEMS.

TREES TO BE SALVAGED THAT ARE DAMAGED AT ANY TIME DURING THE CONTRACT SHALL BE REPAIRED OR REPLACED (AT THE CONTRACTOR'S EXPENSE) AS DETERMINED BY THE ENGINEER AFTER CONSULTATION WITH THE DISTRICT LANDSCAPE ARCHITECT OR HORTICULTURIST. DAMAGED TREES THAT CAN BE REPAIRED SHALL BE PRUNED AND THE DAMAGE REPAIRED WITH PAINT OR WOUND DRESSING AS PER 663.14. REPLACEMENT SHALL BE, IN QUANTITY AND QUALITY, SUFFICIENT TO COMPENSATE FOR SIZES OF TREES LOST. THE WORK SHALL BE COMPLETED AS PER 665 WITH TREES OF THE SIZE AND VARIETY, AS DIRECTED BY THE ENGINEER IN CONSULTATION WITH THE DISTRICT LANDSCAPE ARCHITECT OR HORTICULTURIST.

REMOVAL OF STRUCTURES, FOUNDATIONS & SLABS

THIS WORK SHALL CONSIST OF THE REMOVAL OF EXISTING STRUCTURES (BUILDINGS), APPURTENANCES, FOUNDATIONS, CONCRETE SLABS AND WALKS IN CONFORMANCE WITH THE PROVISIONS OF SEC. 202.

THE CONTRACTOR SHALL REMOVE: TWO (2) TOILET BUILDINGS, TWO (2) BULLETIN BOARDS WITH SLABS, TWO (2) INFORMATION SHELTERS WITH SLABS, TWO (2) WELL SHELTERS WITH SLABS, THREE (3) PICNIC TABLE SLABS AS WELL AS MISCELLANEOUS WALKS AND CURBS.

REMOVAL OF PRIVY VAULTS, AS PER PLAN

THIS WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PRIVY VAULTS IN CONFORMANCE WITH THE PROVISIONS OF SEC. 202.

THE GENERAL CONTRACTOR SHALL REMOVE AND BACKFILL PRIVY VAULTS. THE FOUNDATION AND VAULT WALLS SHALL BE REMOVED TO A DEPTH OF TWO (2) FEET BELOW THE EXISTING GROUND LEVEL. THE VAULT WALLS AND BOTTOM SHALL BE CRACKED TO PERMIT DRAINAGE.

THE GENERAL CONTRACTOR SHALL GIVE THE ODOT DISTRICT OPERATIONS OFFICE A MINIMUM OF THREE (3) WEEKS NOTICE BEFORE DEMOLITION OF THE TOILET BUILDINGS IN ORDER FOR THE DISTRICT TO HAVE THE PRIVY VAULTS PUMPED OUT PRIOR TO DEMOLITION.

AGGREGATE FINISH
THE CONTRACTOR SHALL FURNISH A SAMPLE OF AGGREGATE FINISH TO BE APPLIED TO WASTE RECEPTACLE SLEEVES AND PICNIC TABLES. (SEE SHEET NO. 18 & LA-13)

ESTIMATED QUANTITIES AND BID ITEMS

THE ESTIMATED QUANTITIES OF THE VARIOUS SPECIFIC AND SPECIAL ITEMS LISTED THROUGHOUT THESE PLANS ARE APPROXIMATE. THESE QUANTITIES ARE SUBSEQUENTLY INCLUDED IN THE FOUR (4) BID ITEMS LISTED ON THE GENERAL SUMMARY SHEET AND IN OTHER CONTRACT DOCUMENTS.

MISCELLANEOUS

FOR ADDITIONAL NOTES, PAY ITEMS AND DESCRIPTIONS, SEE VARIOUS SPECIALTY ITEM SHEETS THROUGHOUT THE PLANS.