

**PROPOSED CURB AND ACCESSIBLE RAMPS**

CONTRACTOR SHALL ENSURE THERE IS POSITIVE DRAINAGE AT ALL PROPOSED RAMPS AND NEW CURB RETURNS. IN SOME INSTANCES IT MAY BE NECESSARY TO REVERSE THE PROPOSED WALK CROSS SLOPE TO MATCH THE EXISTING CURB DRAINAGE DIRECTION. CONTRACTOR SHALL FIELD VERIFY AND MAKE APPROPRIATE ADJUSTMENTS TO ENSURE POSITIVE DRAINAGE. IN NO INSTANCE SHALL A CURB RAMP EXCEED RUNNING AND CROSS SLOPE VALUES SHOWN IN BP 7.1.

**EXISTING CURB RAMPS WITH PROPOSED REPLACEMENT RAMP**

WHERE PLANS SHOW THE REPLACEMENT OF EXISTING CURB RAMPS, CONTRACTOR SHALL FIRST VERIFY IF EXISTING RAMPS MEET ADA REQUIREMENTS. WHERE RAMPS MEET ADA REQUIREMENTS, CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IN WRITING WHO WILL GIVE WRITTEN APPROVAL IF A RAMP SHOULD REMAIN OR BE REPLACED. WHEN A RAMP IS NOT REPLACED, CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO THE PROPOSED WALK TO TIE INTO EXISTING CURB RAMPS WHILE MEETING ADA RUNNING AND CROSS SLOPE REQUIREMENTS FOR ALL NEWLY CONSTRUCTED SIDEWALKS. ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEY SHALL BE USED FOR THE PAYMENT OF THIS WORK AND IS CARRIED TO THE GENERAL SUMMARY.

**EXISTING WALK CONNECTIONS**

WHERE THE PROPOSED WALK MEETS AN EXISTING WALK NOT MARKED FOR REPLACEMENT, THE CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO THE PROPOSED WALK TO MATCH THE EXISTING WALK WHILE MEETING ADA REQUIREMENTS WITHIN ONE WALK PANEL OF THE EXISTING WALK. A CONTINGENCY OF ITEM 202 WALK REMOVED AND 608 4" CONCRETE WALK HAS BEEN PROVIDED IN THE GENERAL SUMMARY TO BE USED WHERE ADDITIONAL REMOVAL AND REPLACEMENT OF EXISTING WALKWAY CONNECTIONS ARE NECESSARY TO CREATE A SMOOTH TRANSITION BETWEEN PROPOSED AND EXISTING WALKWAYS.

ITEM 202 - WALK REMOVED	<u>75</u> SF
ITEM 608 - 4" CONCRETE WALK	<u>75</u> SF

**EXISTING DRIVEWAYS AND ALLEYWAY**

WHERE THE PROPOSED WALK CROSSES AN EXISTING CONCRETE DRIVEWAY NOT MARKED FOR REPLACEMENT, THE CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO THE PROPOSED WALK TO MATCH THE EXISTING DRIVEWAY WHILE MEETING ADA REQUIREMENTS. A CONTINGENCY OF ITEM 452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 HAS BEEN PROVIDED IN THE GENERAL SUMMARY TO BE USED WHERE NECESSARY TO ADJUST DRIVEWAYS ADJACENT TO PROPOSED WALK TO MEET ADA REQUIREMENTS.

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	<u>15</u> SY
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**ABBREVIATIONS**

EX - EXISTING	ATG - ADJUST TO GRADE
PR - PROPOSED	TBR - TO BE REMOVED
ELEV. - ELEVATION	DND - DO NOT DISTURB
M.E. - MATCH EXISTING	DWS - DETECTABLE WARNING SURFACES

**TREE AVOIDANCE AND ROOT ZONE PROTECTION**

UNDER NO CIRCUMSTANCES SHALL ANY TREES BE CUT OR REMOVED PRIOR TO OR DURING PROJECT CONSTRUCTION THAT IS NOT IS NOT DESIGNATED TO BE REMOVED BY THESE PLANS.

NO HEAVY VEHICLES OR EQUIPMENT SHALL BE USED WITHIN THE DRIPLINE OF EXISTING TREES. HAND EXCAVATION OR INSTALLATION SHOULD BE USED IN THESE AREAS AND CARE SHOULD BE TAKEN TO MITIGATE ROOT DAMAGE OR SOIL COMPACTION WITHIN THE ROOT ZONE. THIS WORK IS CONSIDERED INCIDENTAL TO THE FOLLOWING PAY ITEMS: ITEM 202 WALK REMOVED, ITEM 202 PAVEMENT REMOVED, ITEM 203 EXCAVATION, ITEM 203 EMBANKMENT, ITEM 441 ASPHALT SURFACE COURSE, ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, AND ITEM 608 CONCRETE WALK.

**ITEM 611 SPECIAL, GAS VALVE BOX ADJUSTED TO GRADE**

RAISE OR LOWER EXISTING VALVE BOXES AND SERVICE BOXES TO GRADE OR THE REUSE OF EXISTING SERVICE BOXES. THE CONTRACTOR MAY REUSE EXISTING SERVICE BOXES IF THEY ARE IN GOOD CONDITION, AS DETERMINED BY THE ENGINEER THEN PAYMENT IS PER SERVICE BOX ADJUSTED TO GRADE.

EXCAVATE AROUND THE VALVE BOX OR SERVICE BOX TO PERMIT THE RAISING OR LOWERING OF THE VALVE BOX OR SERVICE BOX. THE CONTRACTOR MAY ADJUST ANY SCREW-TYPE BOXES WITHOUT THE USE OF EXTENSIONS PROVIDED THAT AMPLE THREAD REMAINS ON THE BOX TO PROVIDE ADEQUATE RIGIDITY TO THE BOX. PROVIDE EXTENSION SECTIONS FOR BOXES THAT ARE NOT OF THE SCREW-TYPE AND BOXES NOT HAVING AMPLE THREAD FOR RIGIDITY TO ADJUST THE TOP TO GRADE. THE ENGINEER WILL ALLOW INSERTS OR ADAPTERS. ADEQUATELY SECURE NEW SECTIONS OF BOX STEM TO THE EXISTING STEMS. BACKFILL THE HOLE AFTER THE BOX HAS BEEN ADJUSTED TO GRADE.

THIS ITEM SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR THIS WORK, INCLUDING ANY EXTENSION SECTIONS OF VALVE OR SERVICE BOXES REQUIRED

**3RD STREET - SCHOOL SYMBOL MARKING, 36"**

ALONG 3RD STREET, EAST AND WEST OF JEFFERSON, TWO EXISTING "SCHOOL" SYMBOL MARKINGS SHALL BE REPLACED. THESE LOCATIONS ARE NOT DEPICTED IN THE PLANS, BUT ARE AT APPROXIMATELY N434,705.60, E1,458,382.85 AND N434,713.24, E1,458,960.08. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE REMOVAL AND INSTALLATION OF THESE MARKINGS.

ITEM 644 - REMOVAL OF PAVEMENT MARKING	<u>102</u> SF
ITEM 644 - SCHOOL SYMBOL MARKING, 96"	<u>2</u> EACH

**ITEM 632 - SIGNAL SUPPORT FOUNDATION**

PRIOR TO ORDERING THE SIGNAL SUPPORTS, THE CONTRACTOR SHALL CONTACT OUPS TO HAVE ALL THE UTILITIES LOCATED IN THE FIELD THEN MEET WITH THE CITY ENGINEER TO LOCATE THE PROPOSED SUPPORT LOCATIONS TO ENSURE THERE ARE NO CONFLICTS WITH UTILITIES. IF THERE ARE ISSUES, THE CITY ENGINEER SHALL PROVIDE GUIDANCE AS TO THE RELOCATION OF THE SUPPORT POLES. CONTRACTOR SHALL TEST PIT TO DETERMINE THE LOCATION OF ALL UTILITIES WITHIN 10 FEET OF THE PROPOSED POLE LOCATION PRIOR TO EXCAVATION

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE AND WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR EACH FOUNDATION FURNISHED, IN PLACE, COMPLETE AND ACCEPTED.

**ITEM 632 - ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN**

IN ORDER TO CONFORM TO THE AMERICANS WITH DISABILITIES ACT (ADA), THE REQUIREMENTS OF C&MS ITEMS 632.09 AND 732.06 ARE MODIFIED AS FOLLOWS:

1. THE PUSHBUTTON SHALL BE RAISED AND SHALL BE A MINIMUM OF 2 INCHES (50 MILLIMETERS) AT ITS SMALLEST DIMENSION.
2. THE PUSHBUTTON SHALL BE EQUIPPED TO EMIT AN AUDIBLE CHIRP AS THE BUTTON IS PUSHED TO CONFIRM THAT THE PEDESTRIAN CALL HAS BEEN PLACED.
3. THE PUSHBUTTON SHALL BE EQUIPPED WITH A RED INDICATOR LIGHT.

THIS ITEM SHALL INCLUDE ALL LABOR AND MATERIAL COSTS ASSOCIATED WITH THE PROVISION AND INSTALLATION OF THE PUSHBUTTON AS OUTLINED ABOVE. PAYMENT FOR THIS WORK SHALL BE AT THE CONTRACT UNIT PRICE FOR ITEM 632 - PEDESTRIAN PUSHBUTTON, AS PER PLAN AND WILL BE MEASURED BY THE NUMBER OF COMPLETE UNITS FURNISHED, INSTALLED AND ACCEPTED.

**632, PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF C&MS 632 AND 732 THE FOLLOWING SHALL APPLY:

1. SIGNAL HEADS AND VISORS SHALL BE CONSTRUCTED OF BLACK POLYCARBONATE PLASTIC AND MEET ITE SPECIFICATIONS.
2. PROPER EXTERIOR COLORS SHALL BE OBTAINED BY USE OF COLORED PLASTIC MATERIAL RATHER THAN PAINTING.
3. PIPE, SPACERS, AND FITTINGS CONSTRUCTED OF POLYCARBONATE PLASTIC MAY BE USED IN LIEU OF GALVANIZED STEEL OR ALUMINUM.
4. THE PEDESTRIAN SIGNAL HEAD SHALL BE OF THE LED COUNTDOWN TYPE.
5. NEW ATTACHMENT HARDWARE AND FITTINGS SHALL BE USED
6. THE LIGHT EMITTING DIODE (LED) MODULES SHALL MEET THE REQUIREMENTS OF C&MS 732.04-C. THE CONTRACTOR SHALL PROVIDE ODOT, IN WRITING, WITH THE LED MANUFACTURER NAME, SERIAL NUMBER, PART NUMBER, DESCRIPTION OF LAMP, AND DATE OF MANUFACTURE FOR ALL LED UNITS THAT ARE TO BE USED IN THE SIGNAL HEAD PRIOR TO INSTALLATION, FOR ACCEPTANCE AND WARRANTY PURPOSES.

PAYMENT FOR ITEM 632 PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2, AS PER PLAN SHALL BE MADE FOR THE NUMBER OF COMPLETE SIGNAL HEAD FURNISHED AND INSTALLED, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND NEW ATTACHMENT HARDWARE.