RS-735 (111)

CENTERLINE OF PROPOSED IMPROVEMENT

----- SURVEY BASELINE

T.U.P. - - TEMPORARY USE PERMIT

RO.W. PROPOSED RIGHT-OF-WAY LINE

D.E. - - PERMANENT DRAINAGE EASEMENT

1/2 SECTION LINE

IRON PIPE FOUND

MONITIMENT FOUND

CONSTRUCTION LIMITS.

WATER OR GAS VALVE

TELEPHONE PEDESTAL

PROPOSED R.O.W. MONUMENT

EDGE OF EXISTING FEATURES

UTILITY POLE W/ DOWN GUY

IRON PIPE SET

LITHITY POLE

LIGHT POLE

GAS METER

WATER METER

FIRE HYDRANT

EXISTING SIGN

MAIL BOX

PROPOSED SIGN

EXISTING INLET

EXISTING MANHOLE

FENCE

PROPERTY LINE

SECTION LINE

---- EXISTING RIGHT-OF-WAY LINE

T.C.E. - - TEMPORARY CONSTRUCTION EASEMENT

_R.O.W.

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SURFACE TO BE REMOVED 18" TREE TREE TO BE REMOVED SOIL BORING LOCATION Schwaab PROPOSED DITCH ચ Sheppard

——|G—— —IGI— EXISTING GAS LINE EXISTING UNDERGROUND TELEPHONE LINE FOF— EXISTING FIBER OPTIC CABLE → E

EXISTING UNDERGROUND ELECTRIC CABLE \boxtimes **②** 1.525

EXISTING GUARD RAIL

PROPOSED GUARD RAIL

------ EXISTING SANITARY SEWE

------ EXISTING STORM SEWER

FYISTING PIPE CHILVERT

FENCE (EROSION CONTROL) INLET AND PIPE PROTECTION SEDIMENT BASIN

ABBREVIATIONS

PRCF -PRECAST REINFORCED CONCRETE FLARED PC1 -PIPE CULVERT, TYPE 1 PIPE CULVERT, TYPE 1, REINFORCED CONCRETE EQUIVALENT ROUND SIZE

GENERAL NOTES

42

- 2. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED INFORMATION.
- 3. ALL ELEVATIONS REFER TO NATIONAL GEODETIC SURVEY (N.G.S.) DATUM.
- any references to "standards" throughout the plans or special provisions shall be interpreted to be the latest standard of the department as shown

- EXISTING END SECTIONS, HEADWALLS, RETAINING WALLS AND APPURTENANCES AT EXISTING CULVERTS DESIGNATED TO BE REMOVED SHALL ALSO BE REMOVED AND CONSIDERED INCIDENTAL TO THE CULVERT REMOVAL.
- THE CONTRACTOR SHALL EXERCISE CARE IN TREE REMOVAL OPERATIONS AND TAKE WHATEVER PRECAUTIONS NECESSARY TO REMOVE ONLY THOSE TREES NECESSARY THE CONSTRUCTION OF THIS PROJECT AS INDICATED BY THE ENGINEER. ALL OTHER
- 10. THE SURFACE OF THE PROPOSED AGGREGATE BASE COURSE SHALL BE CONSTRUCTED TO THE PROPOSED CENTERLINE PROFILE ELEVATIONS SHOWN ON THE PLANS. THE PROPOSED BITUMINOUS SURFACE TREATMENT (CLASS A-2) SHALL BE CONSTRUCTED ON T

- 11. ALL DIMENSIONS SHOWN ON THE PLANS ARE IN METERS EXCEPT AS NOTED.
- THE RESIDENT ENGINEER SHALL DOCUMENT THE ACTUAL NUMBER OF TREES REMOVED DURING THIS PROJECT FOR TREE REPLACEMENT PURPOSES.
- 13. FOR SIMPLICITY, STORM SEWER LENGTHS SHOW ON THE PLANS ARE FROM CENTER TO CENTER OF STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL QUANITITY OF PIPE REQUIRED. MEASUREMENT FOR PAYMENT PURPOSES SHALL BE IN ACCORDANCE WITH ARTICLE 550.08 OF THE STANDARD SPECIFICA-
- 14. AT LOCATIONS WHERE EXISTING GUTTERS, CURB AND GUTTERS, BITUMINOUS CURBS, CONCRETE PAVEMENT, BITUMINOUS PAVEMENT OR OIL AND CHIP SURFACES ARE TO BE REMOVED. THE CONTRACTOR SHALL MAKE FULL DEPTH SAW CUTS AT THE REMOVAL LIMITS. THE COST OF SAWING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UINT PRICE FOR THE VARIOUS REMOVAL ITEMS INVOLVED.
- ALL SIDEWALKS TO BE CONSTRUCTED WITH THIS PROJECT SHALL BE WIDENED TO PROVIDE A PASSING SPACE OF AT LEAST 1.525m \times 1.525m at locations shown on the plans. Passing spaces shall be paid for at the contract unit price for P.C.C. Side—
- 16. STORM SEWER INLETS SHALL NOT BE FABRICATED UNTIL THE CONTRACTOR HAS PERFORMED EXPLORATORY EXCAVATION TO VERIFY THE LOCATION AND ELEVATION OF THE EXISTING STORM SEWER ALONG IL. ROUTE 16. THIS WORK WILL BE PAID FOR AT THE CONTRACT UINT PRICE PER CUBIC METER FOR EXPLORATORY EXCAVATION.
- PLAN QUANTITIES FOR BITUMINOUS CONCRETE ITEMS WERE CALCULATED BASED ON USING 59.8 kg/sq m/25mm THICKNESS.
- 18. FOR CONSTRUCTION ON RAILROAD RIGHT-OF-WAY SHOWN ON PLAN SHEET 27, THE CONTRACTOR WILL BE REQUIRED TO HAND DIG IN THE AREA OF THE EXISTING FIBER OPTIC CABLE AS REQUIRED BY THE FIBER OPTIC CABLE COMPANY.
- THE PAY ITEM "LOCATING UNDERGROUND CABLE" HAS BEEN INCLUDED IN THIS CONTRACT FOR THE CONTRACTOR TO LOCATE THE EXISTING UNDERGROUND ELECTRIC LINES ALONG THE RIGHT SIDE (APPROXIMATE STATION 7+340 TO STATION 7+355 AND STATION 7+410 TO STATION 7+447).

EROSION CONTROL LEGEND TEMPORARY DITCH CHECK EROSION CONTROL BLANKET PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER

STONE RIPRAP

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SPECIAL (TANGENT)

STABILIZATION

M5423610 PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT METER PIPE 375MM PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT METER PIPE 450MM * M5502840 STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM METER DRAIN, AND SEWER PIPE, CLASS IV 300MM STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM METER **★** M5502870 DRAIN, AND SEWER PIPE, CLASS IV 525MM * M5502880 STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM METER DRAIN, AND SEWER PIPE, CLASS IV 600MM STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, METER SPAN 750MM RISE 475MM STORM SEWER REMOVAL 375MM STORM SEWER REMOVAL 750MM M5510070 METER M5510080 STORM SEWER REMOVAL 900MM METER * M6022110 RESTRICTED DEPTH MANHOLES, 1.2M DIAMETER TYPE 1 FRAME, CLOSED EACH

■ M6022210 RESTRICTED DEPTH MANHOLES, 1.5M DIAMETER TYPE 1 FRAME, CLOSED EACH CONCRETE CURB. TYPE B METER

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60 METER

- LINE 100MM

- LINE 150MM

- LINE 600MM

M6060070 MAGACTICA COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60 (VARIABLE COMBINATION CONCRETE CURB AND GUTTER TYPE M-15 15 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-15.60

M6060725 M6062100 M6063600 M6300100 **★** M6640200 M7030100

CONCRETE MEDIAN SURFACE, 100MM STEEL PLATE BEAM GUARD RAIL, TYPE A CHAIN LINK FENCE, 1.2 METER (SPECIAL) SHORT-TERM PAVEMENT MARKING TEMPORARY PAVEMENT MARKING M7030240 TEMPORARY PAVEMENT MARKING TEMPORARY PAVEMENT MARKING M7030280 WORK ZONE PAVEMENT MARKING REMOVAL 38 436 M7200100 SIGN PANEL - TYPE 1 500 M7200105 SIGN PANEL - TYPE 1 (SPECIAL)

M7280100 TELESCOPING STEEL SIGN SUPPORT M7800205 PAINT PAVEMENT MARKING - LINE 100MM PAINT PAVEMENT MARKING - LINE 150MM M7800240 PAINT PAVEMENT MARKING - LINE 600MM PAVEMENT MARKING REMOVAL ¥ M7830105 LOCATING UNDERGROUND CABLE M8030010

 MZ000990 AGGREGATE FOR TEMPORARY ACCESS MODULAR RETAINING WALL SYSTEM * MZ036200 PAINT CURB ROCK FILL SANITARY SEWER 100MM SANITARY SEWER 150MM CLASS SI CONCRETE (STEPS) GATE VALVES, 200MM

10,000 * MZ054500 1,300 * MZ056700 1,870 * MZ056800 1,604 * MX030079

56 * MX030401 2,392 * MX355020 BITUMINOUS BASE COURSE SUPERPAVE, (VARIABLE DEPTH) 3.736 * MX355175 BITUMINOUS BASE COURSE SUPERPAVE, 175MM 2,309 * MX406012 BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE MIX "C" N50 500 * MX032659 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE 38.139 * XX000610 RELOCATE EXISTING MAILBOX 624 * XX004027 82.062 * X030035

EXPLORATORY EXCAVATION CONCRETE STEP REMOVAL 152.556 * X0301769 DRILL AND GROUT #20 TIE BARS RELOCATE SIGN PANEL AND POST 534 * M44022.95 CONCRETE CURB REMOVAL (SPECIAL)

*SEE SPECIAL PROVISIONS

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002, AND THE SPECIAL PROVISIONS.

ON THE INDEX OF SHEETS IN THE PLANS.

IF SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED

AN ESTIMATED QUANTITY OF 2,000 M. TONS OF AGGREGATE HAS BEEN INCLUDED IN THIS CONTRACT FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY THROUGH CONSTRUCTION OPERATIONS DURING THIS CONTRACT.

SOME PROPOSED ELEVATIONS ARE SHOWN AS APPROXIMATE WITH ±. EXACT ELEVA-TIONS SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

*SEE SPECIAL PROVISIONS

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M2820100

M3110100

M3111010

M3510200

M4020010

M4030100

M4030300

M4030600

M4230150

M4402050

M4428240

M5010250

M5010522

M5401150

M542F112

M542E120

M542F128

M542E136

M542E628

M542F652

M542G070

M5421225

M5421235

M5421420

M5421430

TEMPORARY DITCH CHECKS

INLET AND PIPE PROTECTION

REMOVE EXISTING CULVERTS

BOX CULVERT END SECTIONS

INLETS, TYPE A, TYPE 8 GRATE

INLETS TYPE B. SPECIAL

INLETS, SPECIAL, NO. 1

INLETS, SPECIAL, NO. 2

INLETS, SPECIAL, NO. 3

REMOVING INLETS

MANHOLES TO BE ADJUSTED

TRAFFIC BARRIER TERMINAL, TYPE 2

TRAFFIC BARRIER TERMINAL TYPE 1,

ENGINEER'S FIELD OFFICE, TYPE B

PRISMATIC CURB REFLECTOR

CONSTRUCTION LAYOUT

SECTION MARKERS

FARTH EXCAVATION

TRENCH BACKFILL

SEEDING, CLASS 1

SEEDING CLASS 2

FILLING EXISTING CISTERNS

PLUG EXISTING STORM SEWERS

TRAFFIC CONTROL AND PROTECTION

TERMINAL MARKER - DIRECT APPLIED

RAILROAD PROTECTIVE LIABILITY INSURANCE

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

GEOTECHNICAL FABRIC FOR GROUND

NITROGEN FERTILIZER NUTRIENT

EROSION CONTROL BLANKET

PERIMETER EROSION BARRIER

FENCE (EROSION CONTROL)

STONE RIPRAP, CLASS A4

COVER COAT AGGREGATE

SEAL COAT AGGREGATE

PIPE CULVERT REMOVAL

SIDEWALK REMOVAL

SIZE 1200MM

SIZE 1350MM

PIPE 375MM

PIPE 600MM

PHOSPHORUS FERTILIZER NUTRIENT

AGRICULTURAL GROUND LIMESTONE

FILTER FABRIC FOR USE WITH RIPRAP

SUB-BASE GRANULAR MATERIAL, TYPE B

AGGREGATE BASE COURSE, TYPE A 200MM

AGGREGATE SURFACE COURSE, TYPE A

BITUMINOUS MATERIALS (PRIME COAT)

CLASS D PATCHES, TYPE II. 300MM

EQUIVALENT ROUND-SIZE 600MM

EQUIVALENT ROUND-SIZE 1200MM

EQUIVALENT ROUND-SIZE 1350MM

GRATING FOR CONCRETE FLARED END

PIPE CULVERTS, TYPE 1 RCCP 450MM

PIPE CULVERTS, TYPE 1 RCCP 600MM

PIPE CULVERTS, TYPE 1 RCCP 750MM

EQUIVALENT ROUND-SIZE 1200MM

EQUIVALENT ROUND-SIZE 1350MM PIPE CULVERTS, TYPE 2 RCCP 1350MM

PIPE CULVERTS, TYPE 1, REINFORCED

CONCRETE REMOVAL (SPECIAL)

EARTH EXCAVATION FOR EROSION CONTROL

TEMPORARY EROSION CONTROL SEEDING

SUB-BASE GRANULAR MATERIAL, TYPE A 100MM

BITUMINOUS MATERIALS (COVER AND SEAL COATS)

PORTLAND CEMENT CONCRETE SIDEWALK 100MM

PRECAST CONCRETE BOX CULVERT 3.0M X 1.8M

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 150MM

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 300MM

PRECAST REINFORCED CONCRETE FLARED END. SECTIONS. 450MM

PRECAST REINFORCED CONCRETE FLARED END. SECTIONS. 525MM

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 600MM

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 750MM

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 1350MM

GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-

GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-

PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT

PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL

PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT METER

PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT METER

PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EACH

PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EACH

PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EACH

SECTION 1350MM

CONCRETE - ELLIPTICAL,

POTASSIUM FERTILIZER NUTRIENT

TREE REMOVAL (OVER 15 UNITS DIAMETER)

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

MANHOLES, SPECIAL

REMOVAL OF EXISTING STRUCTURES

CONCRETE HEADWALL FOR PIPE DRAINS

INLETS, TYPE A, TYPE 1 FRAME, OPEN LID

INLETS, TYPE A, TYPE 15 FRAME AND LID

INLETS, TYPE B, TYPE 15 FRAME AND LID