Item: Special - Settlement Platforms

Units: EACH

4 EACH

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp. Bridge CHECKED BY KMA DATE 10/20/2020

Item: 208 - Vibration Control and Monitoring, As Per Plan

Units: LUMP

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS

SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020

SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 503-Cofferdams and Excavation Bracing, As Per Plan

Units: LUMP

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 503- Unclassified Excavation, As Per Plan

Units: Lump

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item 505- Pile Driving Equipment Mobilization

Units: LUMP

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS

SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020

SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

ITEM: 507 - 14" Cast-In-Place Reinforced Concrete Piles, Driven, As Per Plan UNITS: FT

Rear Abutment

Length = (12 piles)(70') = 840 ft

Forward Abutment

Length = (12 piles)(65') = 780 ft

Total = 1620 FT

1620 FT

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME OLD ROCKSIDE RD SHEET ___ OF ___ SHEETS

SUBJECT ESTIMATED QUANTITIES PREPARED BY KMA DATE 3-14-21

SCALE ___ CHECKED BY JAA DATE 3/19/2021

ITEM: 507 - 14" Cast-In-Place Reinforced Concrete Piles, Furnished, As Per Plan UNITS: FT

Rear Abutment

Length = (12 piles)(70'+5') = 900 ft

Forward Abutment

Length = (12 piles)(65'+5') = 840 ft

Preboring

Length = 300 ft

Total = 2040 FT

2040 FT

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME OLD ROCKSIDE RD SHEET ___ OF ___ SHEETS

SUBJECT ESTIMATED QUANTITIES PREPARED BY KMA DATE 3-14-21

SCALE ___ CHECKED BY JAA DATE 3/19/2021

Item: 507 - Pre Bored Holes, As Per Plan

Units: FT

= 300 ft

300 ft

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 509- Epoxy Coated Reinforcing Steel, As Per Plan

Units: LB

695016

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 510- Dowel Holes with Nonshrink, Nonmetallic Grout,

As Per Plan Units: EACH

=132

132 EACH

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS

SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020

SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 511 - Class QC1 Concrete with QC/QA, Abutment Including Footings, As Per Plan — Units: CY

Forward Abutment

$=[(0'-6")(2'-0")(2)+(7'-0")(35'-0")](3'-0")+(1'-6")(3'-3")(26'-0")+$

$(2'-9")(26'-0")(6")+(9'-0")(3'-3")(6")+(2)(2'-0")(6")(3'-3")=925CF$

$=925CF \cdot \frac{1CY}{27CY} = 35CY$

Rear Abutment

$=[(6")(2'-0")(2)+(7'-0")(33'-0")](3'-0")+(1'-6")(3'-3")(26'-0")+$

$(2'-9")(26'-0")(6")+(7'-0")(3'-3")(6")+(2)(2'-0")(6")(3'-3")=879.4CF$

$=879.4CF \cdot \frac{1CY}{27CF} = 33CY$

$=35CY+33CY=68CY$

68 CY

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 512 - Type B Waterproofing

Units: SY

$=(33')(3') + (35')(3') = 204\,SF \cdot \frac{1\,SY}{9\,SF} = 23\,SY$

23SY

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 513- Structural Steel, Misc.: Bearing Restraints

Units: LB

$= (18.5\ plf)[(2'-1") \times 4] = 155\ lb$

155lb

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 518 - Porous Backfill with Geotextile Fabric, As Per Plan

Units: CY

$= (2'-0")(5'-6")(31'-0") + (2'-0")(5'-6")(33'-0") = 704\ CF$

$= 704\ CF \cdot \frac{1\ CY}{27\ CF} = 26\ CY$

26CY

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 518- 6" Perforated Corrugated Plastic Pipe

Units: FT

= 33' + 35' = 68 ft

68 ft

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 518 - 6" Non-Perforated Corrugated Plastic Pipe

Units: FT

=30'+30' = 60ft

60ft

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 523 - Dynamic Load Testing

Units: EACH

2 EACH

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: 526 – Reinforced Concrete Approach Slabs (T=15"), As Per Plan

Units: SY

$=(25'\text{-}0")(26'\text{-}0")+(25'\text{-}0")(28'\text{-}0")=1350SF \cdot \frac{1SY}{9SF}=150SY$

150SY

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: Special - Structures: Protection of Facilities

Units: LUMP

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020

Item: Special - Structures: Preconstruction Condition Survey

Units: LUMP

LUMP

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. _____ JOB NAME _____ SHEET ___ OF ___ SHEETS

SUBJECT _____ PREPARED BY _____ DATE _____

SCALE _____ CHECKED BY KMA DATE 10/20/2020

Item: 625 - Structure Grounding System

Units: EACH

1 EACH

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. 57030 JOB NAME Old Rockside Rd SHEET ___ OF ___ SHEETS
SUBJECT Estimated Quantities PREPARED BY DBH DATE 10/1/2020
SCALE Temp Bridge CHECKED BY KMA DATE 10/20/2020