

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
01-21.16.01	ALLOWANCE FOR TREE REMOVAL, TRIMMING/ REPLACEMENT AND DISPOSAL - SEE PROJECT SPECIAL PROVISIONS: Trees removed at DOTI PM/Inspector's request, which are not shown for removal on Demolition Plans. To be paid at invoiced costs.	\$20,000	A/A
01-21.26.01	ALLOWANCE FOR GROUND WATER TREATMENT CONSUMABLES WEEKLY- SEE PROJECT SPECIAL PROVISIONS: Assumes 700 gpm draw down efforts for four weeks.	\$24,909	A/A
01-21.26.01	ALLOWANCE FOR GROUND WATER TREATMENT CONSUMABLES WEEKLY- SEE PROJECT SPECIAL PROVISIONS: Assumes 48 weeks at 50 gpm, after 700 gpm drawdown.	\$202,499	A/A
31-31.00.01	Soil Amendment: See Special Provisions	122,677	SY
S2-23a	Clearing and Grubbing: Includes all clearing & grubbing, tree removal, invasive species removal, limbing of all vegetation and all vegetation removal	1	LS
S43-3	SITES Management: Contractor tracking and submittals for SITES program. See the Addendum for requirements. Pay as percent of completion	100	LS
S40-5a	Irrigation As-Built Requirement: As-builts are required for Denver Parks and Rec before close-out of the project. Water, storm, and sanitary as-builts are also required but are included in the bid items under the length of pipe cost.	1	LS
35-31.19.16	CONCRETE UNIT MASONRY REVETMENTS: Articulated Concrete Blocks - Including Geofabric, Bedding, Perimeter concrete surround, Grouting, and Subgrade Preparation	342	SY
S34-17.9	Site Electrical: Provide Schedule of Values (Electrical Racks, Conduit, etc.) and Unit Cost at NTP for measurement and payment	1	LS
32-13.43.01	Cast-in-place Pervious Paving: North Forebay - Grasscrete in Forebay and Maintenance Path	3,024	SF
S2-12.7	Remove Existing WW Treatment Plant Remnants: SUE plans and Aerial Overlay provided FYI. Northside Treatment Plant was decommissioned with many structures/facilities removed. Some items may remain and need to be removed as appropriate for site grading and infrastructure improvements.	1	LS
S2-17.1	Remove Street Light Infrastructure: 51 st Ave Light Poles will be removed by Xcel prior to or concurrently with this construction. Remove and dispose six concrete bases. Remove associated conduit/wire as necessary.	1	LS
S5-7a	SOIL CONDITIONER: Site Paving (Excluding Parking Lots & Streets) - Polypave	10,740	SF
S2-12.5	Abandon Existing Structure: Backfill Existing Vault - Inside Dimensions = 22 ft L x 5 ft W x 8 ft D. Includes fill material and confined entry preparation to plug any entrance/exit piping.	1	LS
32-13.43.01	Cast-in-place Pervious Paving: South Forebay - Grasscrete in Forebay and Maintenance Path	5,352	SF
32-13.43.01	Cast-in-place Pervious Paving: Channel Outlet Structure/Overflow Weir - Grasscrete	2,430	SF
01-52.13	TEMPORARY OFFICE FACILITIES: Project Special Provision - Trailer(s) to accommodate 2 PM + 2 Inspectors + workspace for duration of construction. See Addendum Question for clarification.	1	LS
2-1.2a	REMOVE 6" CONCRETE CURB AND/OR GUTTER	1,590	LF
2-1.4	REMOVE SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP	730	SF
2-2.1	REMOVE CONCRETE SIDEWALK: Remove concrete sidewalk. Includes sawcut and salvage 80 of the engraved panels and store onsite at location as designated by DOTI Construction PM	12,270	SF

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
2-2.4	REMOVE CONCRETE CHANNEL PAVING: Remove concrete channel lining, includes sediment and debris in the channel	49,550	SF
2-2.4	REMOVE CONCRETE CHANNEL PAVING: Remove concrete swale	250	SF
2-2.5	REMOVE MISCELLANEOUS CONCRETE FLATWORK: Remove Miscellaneous Concrete Flatwork (Concrete Pad)	6,088	SF
2-3.5	REMOVE CONCRETE STREET PAVING: Remove Asphalt Paving	63,230	SF
2-5	REMOVE CONCRETE RETAINING WALL: Remove buried unconfirmed walls in site and under 51 st Avenue. Continuation of walls within the site, believed to exist below 51 st Avenue. Dimensions and depths unknown. Remove as necessary for grading and to install Irrigation, Storm, Water, and Sanitary. See Special Provisions for additional information.	6,300	LF
2-11.7	REMOVE EXISTING BOX CULVERT: Remove Existing Box Culvert	220	LF
2-12.2	REMOVE EXISTING STORM MANHOLE: West end of 52 nd Ave Storm	1	EA
2-12.3	ABANDON EXISTING SANITARY MANHOLE: For filling manhole in plaza area	1	EA
2-12.7	REMOVE EXISTING STRUCTURE: Remove Concrete Grade Control Structure	1	EA
2-12.7	REMOVE EXISTING STRUCTURE: Repair Existing WW Treatment Remnants	1	EA
2-12.7	REMOVE EXISTING STRUCTURE: Abandon Existing Monitor Well	7	EA
2-16.1	REMOVE CHAIN LINK FENCE: Remove Chain Link Fence (5,200 LF) and Metal Railing (240 LF)	5,440	LF
2-17.3	REMOVE AND REPLACE/RELOCATE SIGN: Remove Sign	4	EA
2-17.3	REMOVE AND REPLACE/RELOCATE SIGN: Salvage Bench	2	EA
2-17.7	RELOCATE EXISTING UTILITY: Remove 3-Inch Gas Line - 630 LF	1	LS
2-17.7	RELOCATE EXISTING UTILITY: Remove Trash Bin	1	LS
2-18	REMOVE PERMANENT BARRICADES: Remove Bollards	6	EA
02-22.13	VIBRATION ASSESSMENT	1	LS
02-71.00.02	GROUND WATER TREATMENT EQUIPMENT & OPERATIONS MONTHLY - SEE PROJECT SPECIAL PROVISIONS	12	MO
02-82.16.10	CERTIFIED ASBESTOS INSPECTOR (CABI)/AIR MONITOR: Includes multiple CABIs and Air Monitoring units project wide as needed to accommodate contractors schedule	1	LS
3-3	HAZARDOUS WASTE DISPOSAL (LICENSED HAULING PER D.R.M.C. 48-62): For hauling of rendering waste. Handle per MMP section 6.7.5. Stockpiling, treating, and testing included in this cost. Assume coordination, hauling, and disposal at Clean Harbors as bid costs. Includes providing dumpsters to have on standby for the duration of the project as well as dumpsters to store the material on site during analysis and disposal. This item includes any and all fees associate with disposal including all decontamination of equipment, contractor, City and any other site employee personnel training and personnel decontamination and monitoring	5,000	TON
3-4	ROCK EXCAVATION	14,000	CY
3-7b	MATERIAL MANAGEMENT PLAN	1	LS
5-1	STRUCTURAL FILL: Borrow (CY)	51,516	TON
5-2a	SUBGRADE MATERIAL (SELECT BACKFILL): Select fill along 51 st Ave Box (STA 1+00 to 3+50) and per PM discretion	1,500	TON
5-2b	TOPSOIL: Per PM Discretion. Tree plantings, sodding, and planters.	500	TON
5-3a	OVEREXCAVATION AND REPLACEMENT WITH SELECT BACKFILL MATERIAL: Includes all removal and drying of excavation to pass paint filter	5,200	CY

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
	test. Contractor to anticipate replacement to be up to 24" rock to be driven to refusal.		
5-4	CRUSHER FINES: Site Paving (Excluding Parking Lots & Streets) - Crusher Fines Path	958	TON
5-7	CONTROLLED LOW STRENGTH MATERIALS (CLSM)	100	CY
5-8	CRUSHED GRAVEL BASE COURSE (CDOT CLASS 6 ROAD BASE): Parking Lots and Work in Right of Way - Crushed Gravel Base Course (CDOT Class 6 Road Base)	2,946	TON
5-8	CRUSHED GRAVEL BASE COURSE (CDOT CLASS 6 ROAD BASE): Base course below crusher fines.	958	TON
8-1.2b	INSTALL 6" WATER VALVE	4	EA
8-1.2k	INSTALL WATER METER: Meter in Manhole (2"), Includes 2" Copper Piping and associated appurtenances	2	EA
8-1.3b	6" PVC AWWA C900, CLASS 150: DIP AWWA C151, Class 50 Water Line (6" Diameter), includes appurtenances and connection to existing mains, as well as removal of existing pipe which may have lead joints	600	LF
8-1.3b	6" PVC AWWA C900, CLASS 150: DIP AWWA C151, Class 50 Water Line (6" Diameter), includes appurtenances and connection to existing mains, as well as removal of existing pipe which may have lead joints. This is the eastern 200 LF of water main. Pipe and bends to be provided.	200	LF
8-3	RESET OR INSTALL FIRE HYDRANT ASSEMBLY: Install New Fire Hydrant	1	EA
12-1.1	6" CURB AND GUTTER 2' PAN (CDOT T2, IIB): Parking Lots and Work in Right of Way - 6" Curb and Gutter – 2' Catch Pan	2,742	LF
12-1.1	6" CURB AND GUTTER 2' PAN (CDOT T2, IIB): Parking Lots and Work in Right of Way - 4" Mountable Curb & Gutter	180	LF
12-1.2	6" CURB AND GUTTER 1' SPILL PAN (CDOT T2, IB): Parking Lots and Work in Right of Way - 6" Curb and Gutter – 1' Spill Pan	1,230	LF
12-1.7	6" CONCRETE CURB HEAD: Channel Outlet Structure/Overflow Weir - Concrete Header	432	LF
12-1.7	6" CONCRETE CURB HEAD: South Forebay - Grasscrete Concrete Curb (Forebay Perimeter)	384	LF
12-1.7	6" CONCRETE CURB HEAD: North Forebay - Grasscrete Concrete Edge Header	156	LF
12-1.7	6" CONCRETE CURB HEAD: South Forebay - Grasscrete Concrete Edge Header	450	LF
12-1.8	SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP: Parking Lots and Work in Right of Way - Concrete Curb Ramp	750	SF
12-2.1	CONCRETE SIDEWALK: Parking Lots and Work in Right of Way - Concrete Driveway (8" Thick)	630	SF
12-2.1	CONCRETE SIDEWALK: Parking Lots and Work in Right of Way - Concrete Sidewalk (6" Thick)	18,660	SF
12-2.1	CONCRETE SIDEWALK: Parking Lots and Work in Right of Way - Concrete Maintenance Access (10" Thick)	1,370	SF
12-2.1	CONCRETE SIDEWALK: Channel Outlet Structure/Overflow Weir - Weir Overflow Sidewalk	1,810	SF
12-2.4	MISCELLANEOUS CONCRETE FLATWORK: Parking Lots and Work in Right of Way - Sidewalk Chase per Std Dwg 8.1 - 2 ft x 0.5 in. plate	28	SF

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
12-2.4	MISCELLANEOUS CONCRETE FLATWORK: Parking Lots and Work in Right of Way - Concrete Sediment Pad per DD103	50	SF
12-3.3	4' CONCRETE VALLEY GUTTER: Parking Lots and Work in Right of Way - Concrete Valley Gutter	822	SF
12-5.1	CONCRETE DRIVEWAY PAVING: Site Paving (Excluding Parking Lots & Streets) - Concrete Paving, 6" thick - Gray	7,968	SF
12-5.1	CONCRETE DRIVEWAY PAVING: Site Paving (Excluding Parking Lots & Streets) - Concrete Paving, 10" thick - Gray	10,710	SF
12-8	CONCRETE STEPS: 15 LF	15	SF
12-8	CONCRETE STEPS: South Forebay - Raised Curb - 175 LF	175	SF
12-8	CONCRETE STEPS: ChannelOutlet Structure/Overflow Weir - Raised Curb at Weir Access - 42 LF	42	SF
12-9	CONCRETE HEADWALL: South Forebay - Concrete Headwall	1	EA
12-9	CONCRETE HEADWALL: North Forebay - Concrete Headwall	1	EA
12-16a	CONCRETE RETAINING WALL: North Forebay - Forebay Perimeter Wall (65 LF)	1	LS
12-16a	CONCRETE RETAINING WALL: Concrete Wall, Retaining 30" ht max (206 LF)	1	LS
16-2b	DOUBLE SWING GATE: Bollards	2	EA
16-4	WOOD FENCE: 2-rail wooden fence (Post and Dowel)	1,528	LF
16-8	HANDRAIL: Guard Rail at south forebay	36	LF
20-2ad	ASPHALT SURFACE COURSE, SX, RAP 20%, N=50, 58-28.: Parking Lots and Work in Right-of-Way	8,610	SY-IN
20-2bf	ASPHALT SURFACE COURSE, SX, RAP 20%, N=75, 76-28.: Parking Lots and Work in Right-of-Way	6,288	SY-IN
20-2cf	ASPHALT SURFACE COURSE, SX, RAP 20%, N=100, 76-28.: Parking Lots and Work in Right-of-Way	3,816	SY-IN
20-3ad	ASPHALT BASE COURSE, S, RAP 20%, N=50, 58-28.: Parking Lots and Work in Right-of-Way	8,610	SY-IN
20-3be	ASPHALT BASE COURSE, S, RAP 20%, N=75, 64-22.: Parking Lots and Work in Right-of-Way	14,922	SY-IN
20-3ce	ASPHALT BASE COURSE, S, RAP 20%, N=100, 64-22.: Parking Lots and Work in Right-of-Way	12,390	SY-IN
20-7	INSTALL ASPHALT PATH: Site Paving (Excluding Parking Lots & Streets) - Asphalt Pavement	2,481	SY-IN
20-8	ASPHALT CURB HEAD: Parking Lots and Work in Right of Way - 4" Bituminous Curb	228	LF
21-1	CONCRETE PAVEMENT: South Forebay - Concrete Pad, 6" thick	3,972	SF
22-1	EARTHWORK: Site Excavation and Hauling - See Special Provisions	170,000	SY
30-1c	RIPRAP TYPE M: Riprap (Type M), Includes Bedding and Geofabric	210	SY
30-1c	RIPRAP TYPE M: Soil Riprap	840	SY
31-37.20.04	36" NOMINAL BOULDER PER PLAN: Misc, Drainage and WQ - Boulder Edge Treatment (Low Flow Channel)	50	SY
31-37.20.04	36" NOMINAL BOULDER PER PLAN: Landscape Boulder	95	SY
33-05.26.01	EXISTING UTILITY LOCATION/COORDINATION/RELOCATION AND/OR ADJUSTMENT	1	LS
34-2.3e	18" DIAMETER C-76 RCP, CLASS III: RCP - 18" Diameter	750	LF
34-2.3g	24" DIAMETER C-76 RCP, CLASS III: RCP - 24" Diameter	415	LF

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
34-2.3k	36" DIAMETER C-76 RCP, CLASS III: 36" RCP Spillway Culverts	336	LF
34-2.3m	42" DIAMETER C-76 RCP, CLASS III: RCP - 42" Diameter	166	LF
34-2.3n	48" DIAMETER C-76 RCP, CLASS III: RCP - 48" Diameter	166	LF
34-2.3t	84" DIAMETER C-76 RCP, CLASS III: RCP - 84" Diameter	155	LF
34-5.1h	34" X 53" C-507 RCP, CLASS HE-A: HERCP - 53" x 34"	15	LF
34-5.1j	43" X 68" C-507 RCP, CLASS HE-A: HERCP - 68" x 43"	25	LF
34-6.2	PRECAST RCBC (SPECIAL SIZE AND/OR DESIGN): Reinforced Concrete Box (8' x 4')	522	LF
34-7.1a	8" DIAMETER PVC PIPE	376	LF
34-7.1c	12" DIAMETER PVC PIPE	164	LF
34-12.1a	4' DIAMETER PRECAST MANHOLE WITH TYPE A BASE & CONCENTRIC CONE: 4' Diameter Precast Manhole	3	EA
34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE: MH-140	1	EA
34-12.1d	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & FLAT TOP: Inlet D w/ Beehive Grate per DD-103	1	EA
34-12.1d	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & FLAT TOP: Riser between Inlets A & B. Provide Shop Drawings for review.	1	EA
34-12.2d	5' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & FLAT TOP: MH-203 & MH-204	2	EA
34-12.3c	6' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE: Replace Existing Manhole in 52 nd Avenue	1	EA
34-12.4c	CAST-IN-PLACE TYPE B MANHOLE SPECIAL DESIGN: Manholes 104, 105, 201, & 202	4	EA
34-12.4c	CAST-IN-PLACE TYPE B MANHOLE SPECIAL DESIGN: Manholes 101 & 102	2	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: 51 st Ave Junction Structure - JS100	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: Basin Outlet Structure	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: Concrete Trash Vault	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: Outlook Bridge/Ramp from Plaza and over channel	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: Overlook (Heller Property)	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: Channel Outlet Structure (Reinforcement, plates, grating, bedding, concrete, etc.) + 6" Leveling Pad for Spillway Culverts (1,370 SF floor, perimeter walls, grouting, pipes, and subgrade prep)	1	EA
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE: North Forebay - Channel Crossing	1	EA
34-12.9	ADJUST UTILITY LIDS	10	EA
34-14.3e	18" RCP FLARED END SECTION WITH TRASH RACK: RCP FES - 24" Diameter, Includes Toewall and Joint Fasteners	1	EA
34-14.3g	24" RCP FLARED END SECTION WITH TRASH RACK: RCP FES - 24" Diameter, Includes Toewall and Joint Fasteners	1	EA
34-15.2	RECONNECT SANITARY SEWER SERVICES (TAPS) (OPEN CUT): Connect to Existing Metro WW Manhole	1	EA
34-16.1a	#14 INLET (L=6'): Inlets F, H, & J	3	EA
34-16.1d	#14 INLET (L=15'): Inlets A & B	2	EA
34-16.2b	SINGLE #16 VALLEY INLET: Inlets C, E, G, & I - Includes adjacent concrete apron	4	EA

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE A

ITEM NO.	DESCRIPTION	QTY	UNIT
34-16.3b	DOUBLE #16 VALLEY INLET: Inlet K - Includes adjacent concrete apron	1	EA
34-17.08.20	Storm Sewer Bypass: Sitewide Bypass Pumping and storm water management for duration of project. One-time payment	1	LS
34-17.3i	30" DIAMETER SANITARY SEWER BY-PASS PUMPING	755	LF
40-1	SEEDING AND MULCHING: Native Seed Mixes	1,079,933	SF
40-3	SODDING: Bluegrass Sod	3,992	SF
40-3	SODDING: Wetland Sod	42,384	SF
40-5	INSTALL OR RELOCATE SPRINKLER SYSTEM: Relocate meter, install proposed system (includes materials), and operate throughout warranty. Provide schedule of values and unit prices per item at NTP.	1	LS
40-6	DECORATIVE LANDSCAPING: South Forebay - Culvert Planters, 4' dia (3' installed length) - Includes soil, drainage rock, etc. per detail, Quantity = 2	1	LS
40-6	DECORATIVE LANDSCAPING: South Forebay - Culvert Planters, 6' dia (3' installed length) - Includes soil, drainage rock, etc. per detail, Quantity = 2	1	LS
40-6	DECORATIVE LANDSCAPING: South Forebay - Culvert Planters, 8' dia (3' installed length) - Includes soil, drainage rock, etc. per detail, Quantity = 6	1	LS
40-6	DECORATIVE LANDSCAPING: South Forebay - Culvert Planter, 8' dia (6' installed length) - Includes soil, drainage rock, etc. per detail, Quantity = 2	1	LS
40-6	DECORATIVE LANDSCAPING: South Forebay - Culvert Dissipators (8' dia culvert cut in half, 6' installed length), Quantity = 6	1	LS
40-6	DECORATIVE LANDSCAPING: North Forebay - Culvert Dissipators (8' dia culvert cut in half, 6' installed length), Quantity = 3	1	LS
40-10	REPLACE BUSHES AND/OR SHRUBS: Shrubs - 5 Gal.	73	EA
40-10	REPLACE BUSHES AND/OR SHRUBS: Shrubs/ Grasses/ Forbs - 1 Gal.	3,024	EA
40-14	ORNAMENTAL TREES (> 2" CALIPER): Trees	79	EA
40-15	LANDSCAPING IMPROVEMENTS: Salvaged Log - Logs to be provided by DPR (Approximately 42 LF)	1	LS
40-15	LANDSCAPING IMPROVEMENTS: Wood Mulch (2,233 SF)	1	LS
40-15	LANDSCAPING IMPROVEMENTS: Mineral Mulch - Squeegee (2,371 SF)	1	LS
40-15	LANDSCAPING IMPROVEMENTS: Mineral Mulch - Cobble (4,390 SF)	1	LS
41-1	TRAFFIC CONTROL	1	LS
43-1b	STORM WATER MANAGEMENT (SCENARIO 2) See SCS 23.0	1	LS
43-1b	STORM WATER MANAGEMENT (SCENARIO 2) See SCS 23.0: Coir Matting (or Approved Equal) - Material, installation, and maintenance through establishment (5,394 SF)	1	LS
45-2	QUALITY CONTROL TESTING	1	LS
46-1	PAVEMENT MARKING (PAINT)	1,100	SF
47-1	CONSTRUCTION SURVEYING	1	LS
50-1	MOBILIZATION	1	LS

**CITY AND COUNTY OF DENVER
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE**

STATEMENT OF QUANTITIES – SCHEDULE B

ITEM NO.	DESCRIPTION	QTY	UNIT
32-01.30	26406: Landscape Maintenance - Maintain, Repair, and/or Replace Phase 1B Landscaping (Trees, bushes, mulch, squeegee, and irrigation) through project 3-year warranty - Year 1	12	MO
32-01.31	26407: Landscape Maintenance - Maintain, Repair, and/or Replace Phase 1B Landscaping (Trees, bushes, mulch, squeegee, and irrigation) through project 3-year warranty - Year 2	12	MO
32-01.32	26408: Landscape Maintenance - Maintain, Repair, and/or Replace Phase 1B Landscaping (Trees, bushes, mulch, squeegee, and irrigation) through project 3-year warranty - Year 3	12	MO