



CITY OF TAMPA

Bob Buckhorn, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

Michael W. Chucran, Director

ADDENDUM 1 DATE: February 11, 2019

Contract 18-C-00036; Madison Street Park

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

- Item 1: Replace Proposal pages P-2 through P-6 with the attached pages P-2R through P-6R.
- Item 2: Specific Provisions: in SP-4.04, first paragraph, second line: Change '...Management of Contaminated Soils dated November 30, 2018...' to read '...Management of Contaminated Soils dated February 7, 2019'...
- Item 3: Replace TECHNICAL SPECIFICATIONS FOR THE MANAGEMENT OF CONTAMINATED SOIL dated November 30, 2018 with the attached TECHNICAL SPECIFICATIONS FOR THE MANAGEMENT OF CONTAMINATED SOIL dated February 7, 2019.
- Item 4: Replace plan Sheet L120 with the attached Sheet L120.
- Item 5: Replace plan Sheet L523 with attached Sheet L523.
- Item 6: Clarification: plan Sheet L522 Hardscape Details, Detail 8 Seat Wall Section: The 4"x4" tiles are to be supplied and installed by the Contractor. Tile detail will be specified by artist, coordinated through the City and payment made under contract pay item no. 9002 Public Art Allowance.
- Item 7: Clarification: plan Sheet L522 Hardscape Details, Detail 8 Seat Wall Section: The artist will mount the cap (cap is the art piece), including providing pins and core drilling in order to accomplish the proper alignment of the art piece on the concrete base.
- Item 8: Specific Provision SP-2.09 Permits: Revise first sentence to read: The Contractor shall be responsible for obtaining all applicable City and State permits for this project.
- Item 9: Delete Specific Provision SP-4.04 Temporary Stockpiling
- Item 10: Specific Provision SP-4.05 Dewatering, add as the first sentence: "All dewatering must meet the requirements specified in the Technical Specifications for the Management of Contaminated Soil document dated February 7, 2019 prepared by Terracon."
- Item 11: Specific Provision SP-4.05 Dewatering: Delete the third paragraph in its entirety.
- Item 12: Specific Provision SP-7.02 Environmental Protection: revise third sentence of first paragraph to read: Even though permits are issued to the City, the Contractor is not relieved in any way of its environmental obligations and responsibilities associated with environmental protection under the law.
- Item 13: Attached is the pre-bid meeting sign-in sheet.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
	SCHEDULE A -- CONTRACT PAY ITEMS					
1000	EARTHWORK / GENERAL CONDITIONS				\$	\$
1001	MOBILIZATION / GENERAL CONDITIONS	LS	1		\$	\$
1002	CLEARING AND GRUBBING (INCL TREE REMOVAL)	AC	0.55		\$	\$
1003	STAKED SILT FENCE	LF	725		\$	\$
1004	DEMO EXISTING STRUCTURES	LS	1		\$	\$
1005	MAINTENANCE OF TRAFFIC	LS	1		\$	\$
1006	IMPORT FILL DIRT	CY	700		\$	\$
1007	FINAL GRADE	LS	1		\$	\$
1008	EROSION CONTROL / NPDES COMPLIANCE	LS	1		\$	\$
1009	CONST. STAKEOUT / RECORD DRAWINGS	LS	1		\$	\$
1011	REMOVING CONTAMINATED SOIL	CY	2,806		\$	\$
1012	TRANSPORTATION & DISPOSAL OF CONTAMINATED SOIL	TON	3,929		\$	\$
1013	DEWATERING DISCHARGE DISPOSAL	LS	1		\$	\$
1014	IMPORT AND PLACE CLEAN SOIL	CY	3,367		\$	\$
2000	PAVING				\$	\$
2001	HEAVY SANDBLAST FINISH CONCRETE SIDEWALK-6" DEPTH	SF	9,037		\$	\$
2002	HEAVY SANDBLAST FINISH WITH SPECIAL AGGR-6" DEPTH	SF	2,100		\$	\$
2003	SAW CUT CONCRETE - 6" DEPTH	SF	2,500		\$	\$
2004	SYNTHETIC LAWN: K-9 TURF	SF	4,445		\$	\$

Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
2005	SYNTHETIC LAWN: GOLF FRINGE TURF STYLE	SF	522		\$	\$
2006	SYNTHETIC LAWN: PIN SEEKER TURF STYLE	SF	495		\$	\$
2007	MULTI SPORT COURT	SF	2,800		\$	\$
2008	SHUFFLEBOARD COURT	EA	2		\$	\$
2009	BONDED RUBBER PLAY SURFACE	SF	503		\$	\$
2010	6" CONCRETE BAND	LF	300		\$	\$
2011	12" CONCRETE BAND	LF	66		\$	\$
2012	CONCRETE SEAT WALL	LF	51		\$	\$
2013	SHELL PAVING W / WEED FABRIC	SF	172		\$	\$
2014	METAL EDGING	LF	80		\$	\$
2015	6" CURB	LF	135		\$	\$
2016	SIDEWALKS: SAW-CUT AND SHELL AGGREGATE	SF	200		\$	\$
3000	STORM SEWER				\$	\$
3001	12" STORM PIPE	LF	380		\$	\$
3002	8" STORM PIPE	LF	117		\$	\$
3003	6" STORM PIPE	LF	90		\$	\$
3004	4" STORM PIPE	LF	58		\$	\$
3005	15" PVC INLET	EA	11		\$	\$
3006	12" PVC INLET PED GRATE	EA	1		\$	\$
3007	CLEANOUT	EA	2		\$	\$

Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
3008	3" EZ-FLOW UNDERDRAIN	LF	388		\$	\$
4000	WATER				\$	\$
4001	1" WATER SERVICE	LF	623		\$	\$
4002	1" RPZ IRRIGATION BACKFLOW DEVICE	EA	1		\$	\$
4003	1" SERVICE CONNECTION	EA	2		\$	\$
4004	QUICK COUPLERS	EA	9		\$	\$
4005	NEW WATER METER	EA	1		\$	\$
6000	PARK ELEMENTS				\$	\$
6001	STACKED ROOF PERFORMANCE PAVILION	LS	1		\$	\$
6002	STACKED ROOF (LARGE) ENTERTAINMENT PAVILION	LS	1		\$	\$
6003	DOG PARK SHADE PAVILION	LS	1		\$	\$
6004	DOG PARK ENTRY SIGN	EA	2		\$	\$
6005	DEDICATION PLAQUE AND SIGN	EA	1		\$	\$
6006	LIGHTING (Pole, Fixture, & Appurtenances)	EA	18		\$	\$
6007	LIGHTING (LED in Pavilions)	EA	6		\$	\$
6008	PARK SIGN	EA	1		\$	\$
6009	DECORATIVE FENCE AND GATES	LS	1		\$	\$
6010	PARK BENCH (STAY 35)	EA	7		\$	\$
6011	PARK BENCH BACKLESS (STAY 35)	EA	9		\$	\$
6012	CONCRETE FORM BENCH (LUNGO MARE)	EA	2		\$	\$

Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
6013	CONCRETE BACKLESS BENCH (TWIG)	EA	2		\$	\$
6014	LOUNGE CHAIR (CHILL)	EA	6		\$	\$
6015	PLAY EQUIPMENT	EA	1		\$	\$
6016	DRINKING FOUNTAIN	EA	2		\$	\$
6017	DRINKING FOUNTAIN WITH DOG BOWL	EA	2		\$	\$
6018	DOG PICK UP STATION	EA	2		\$	\$
6019	BIKE RACK LOOP	EA	5		\$	\$
6020	PICNIC TABLES (URBAN SPACE)	EA	8		\$	\$
6021	TRASH RECEPTACLE (PITCH)	EA	5		\$	\$
6022	SHUFFLEBOARD SCORE BOARD	EA	4		\$	\$
6023	SKATEBOARD DETERRENT: CONCRETE BACKLESS BENCH	EA	5		\$	\$
6024	ADJUSTABLE HEIGHT VOLLEYBALL NET SLEEVING SYSTEM	EA	1		\$	\$
6025	GOLF PUTTING GREEN W/FLAGS AND HOLES W/ CUPS	EA	1		\$	\$
6026	TREE GRATE: CAST IRON, 5' DIAMETER	EA	5		\$	\$
6027	METAL PICKET PERIMETER FENCE (4.5' AND 5' PANELS)	LF	440		\$	\$
6028	SINGLE POST SIGN (F&I)	EA	5		\$	\$
6029	RELOCATE EXISTING SIGN (SINGLE POST)	EA	5		\$	\$
7000	ELECTRICAL	LS	1		\$	\$
8000	LANDSCAPE				\$	\$
8001	CRAPE MYRTLE	EA	10		\$	\$

Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
8002	LIVE OAK	EA	15		\$	\$
8003	SABAL PALM- REGENERATED	EA	32		\$	\$
8004	MAMMEY CROTON	EA	46		\$	\$
8005	NORA GRANT IXORA	EA	173		\$	\$
8006	XANADU PHILODENDRON	EA	235		\$	\$
8007	AGAPANTHUS	EA	142		\$	\$
8008	LIRIOPE	EA	1,164		\$	\$
8009	WHITE FOUNTAIN GRASS	EA	684		\$	\$
8010	DWARF ASIAN JASMINE	EA	332		\$	\$
8011	CONFEDERATE JASMINE	EA	114		\$	\$
8012	HELICONIA	EA	55		\$	\$
8013	MUHLI GRASS	EA	217		\$	\$
8014	CELEBRATION BERMUDA SOD	SF	7,300		\$	\$
8015	HARDWOOD MULCH	CY	90		\$	\$
8016	STRUCTURAL SOIL	CY	200		\$	\$
8017	IRRIGATION SYSTEM	LS	1		\$	\$
8008	90-DAY MAINTENANCE	LS	1		\$	\$
9001	CONTINGENCY	LS	1	Two Hundred Seventy-Five Thousand and no cents	\$ 275,000.00	\$ 275,000.00
9002	PUBLIC ART ALLOWANCE	LS	1	Twenty Thousand and no cents	\$ 20,000.00	\$ 20,000.00
				TOTAL ESTIMATED COST	\$	\$



TECHNICAL SPECIFICATIONS FOR THE MANAGEMENT OF CONTAMINATED SOIL

Madison Street Park
Portions of Parcel 1 & 2, and Parcel 3
1224 East Madison Street, City of Tampa, Hillsborough County, Contract No: 16-D-61901
February 7, 2019

These Technical Specifications have been prepared by the City of Tampa's consultant, Terracon Consultants, Inc. (Terracon), for the purpose of detailing the management of non-hazardous petroleum hydrocarbon and Resource Conservation and Recovery Act (RCRA) metal contaminated soil with the development of the proposed Madison Street Park. The proposed Madison Street Park is located at 1224 East Madison Street, Tampa, Hillsborough County.

These Technical Specifications apply to a portion of the Site because the Developer TM Tampa, LLC, in accordance with City of Tampa Resolution 2016-660, removed and disposed of contaminated soil, installed a drainage facility (stormwater vault and associated piping), and backfilled with clean fill material. The remaining contaminated soil surrounding the stormwater vault in Parcel 2, and the contaminated soils within Parcel 3 must be managed as detailed in these Technical Specifications. No additional soil from Parcel 1 requires removal.

The Contractor will be responsible for all work regardless of whether performed by the prime Contractor or by other subcontractors. All labor, materials, equipment, and supplies necessary to complete the work shall be provided by the Contractor. All work must be performed in accordance with standard industry procedures and Florida Department of Environmental Protection (FDEP) Standard Operating Procedures.

Specific details regarding the activities required for this project are outlined below, with reference to the Contaminated Soil Management Technical Specification Drawings.

1.0 Site Description

The Madison Street Park (Site) consists of 40,075 square feet, or 0.92-acres. The Site is owned by City of Tampa and is identified by Hillsborough County Folio No. 190174-0000. The western portion of the property was formerly used as a staging area during construction of the adjacent private high-rise. The stormwater vault and associated piping were recently installed on the western portion of the site (Parcel 1 and 2).

Location: 1224 East Madison Street, Tampa, Hillsborough County. The site has access on Madison Street.

Terracon Consultants, Inc. 5463 W Waters Ave., Suite 830 Tampa, Florida 33634
P [813] 221-0050 F [813] 221-0051 terracon.com



Surface Cover: The surface cover of the west portion of the site is gravel/limerock and was recently used for staging of equipment and supplies during construction, the surface cover on the eastern portion of the site is primarily grass.

Utilities: Contractor will be responsible to identify all utilities on the Site.

Lithology: As described in the boring logs included in the Phase II Environmental Site Assessment (ESA), prepared by Solana Environmental Associates, Inc., (Solana) dated February 2014, the general lithology of the site includes brown, gray fine sand to a depth of 24 inches below ground surface (bgs), with intermittent debris (glass, brick pieces, black sand, lime rock pieces). Below 24 inches is a clayey sand to gray clay in some areas to a white coarse sand in other areas, to a reported depth of 8 feet bgs. Depth to groundwater at the site was documented at 5 feet bgs.

Contaminated Soil: The Phase II ESA (Solana, 2014) reported the presence of petroleum hydrocarbons and RCRA metals (arsenic, lead, chromium, cadmium, selenium) and copper in soil at concentrations exceeding the residential direct exposure soil cleanup target levels (SCTLs) provided in Chapter 62-777, Florida Administrative Code (F.A.C.). This Technical Specification has been prepared to address the management of these contaminated soils.

Contaminated Groundwater: The Phase II ESA (Solana, 2014) reported low levels of the contaminants of concern in groundwater at concentrations below the Groundwater Cleanup Target Levels (GCTLs), referenced in Chapter 62-777, F.A.C.

2.0 Contaminated Soil Management Summary

The intent of the Contaminated Soil Management Summary is to obtain closure in accordance with Chapter 62-780, F.A.C under a Risk Management Option II. The top 2-feet of soil across the site must be excavated, disposed in accordance with the specifications provided herein, and replaced with a minimum of 2 feet of clean fill material. The minimum top 2 feet of clean fill material will serve as an engineering control to minimize direct exposure to the public. It is understood that select areas of the site will require excavation to 4 feet bgs to accommodate utility and deep excavation at foundations. These soils removed below 2 feet bgs shall be assumed contaminated and will also be required to be managed in accordance with the specification provided herein

There are portions of the Site that may prohibit the removal of the 2 feet of surface soil, such as adjacent to the historical structure to the north of Parcels 2 and 3. Under those circumstances, where surface soil cannot be removed, an engineering control that prevents human exposure and prevents water infiltration will be required. The engineering control is necessary to prevent access and exposure to the contaminated soil and prevent the water infiltration through contaminated soil that could contribute to groundwater contamination. The engineering control may consist of an

asphalt cap, concrete cap, or other similar impermeable material. Areas that are designated for an engineering cap, in lieu of soil excavation and placement of 2 ft of clean fill material, are also required to be identified on a Site-Specific Survey.

The estimated limits of the contaminated soil excavation of the top 2-feet of soil across the site is shown on **Sheet 1** of the Technical Specification Drawings. Select areas of the site will require excavation to 4 feet bgs to accommodate utility and foundation structures, these assumed areas of excavation to 4 feet bgs are illustrated on **Sheet 1**, and a cross-section is provided as **Sheet 2**. Please note there are additional deep foundations that require excavation below 2 ft bgs and are not shown on these drawings. All soils designated for off-site disposal are assumed contaminated and will be managed in the same manner as the soils excavated from 0-2 ft bgs.

At the completion of the contaminated soil removal activities, and the subsurface utility infrastructure placement, the excavation area will be backfilled with clean fill material to the surface and will be tested for compaction, as detailed in the following Sections.

3.0 Contaminated Soil Volume Estimate

The contaminated soil volume estimates consider the completion of the stormwater vault and replacement of clean fill material already completed on some of the western portions of the Site (an approximately 6,682 square foot area). The contaminated soil estimate does not include areas that are to be capped with an engineering control with no soil excavation performed.

The summary table below provides an estimate of the remaining soil that requires excavation and off-site disposal. For each of the parcels, the area of excavation within the 0-2 ft and 2-4 ft bgs interval were calculated, and then based on a 2 ft depth interval, the volume of soil to be excavated is provided. The total volume of soil to be excavated and disposed off-site is estimated at 2,806 cubic yards, or 3,929 tons.

Estimated Remaining Soil Excavation Volume by Parcel					
Units:		ft ²	ft ³	yd ³	tons
Parcel 2	0-2 ft bgs	5268	10,535	390	546
	2-4 ft bgs	1,728	3,456	128	179
Parcel 3	0-2 ft bgs	24,565	49,130	1,820	2,547
	2-4 ft bgs	6,325	12,650	469	656
Total Estimated Cubic Yards (yd ³)				2,806	
Total Estimated Tons					3929

Notes: ft - feet
yd - yard
bgs - below ground surface
A 1.4 conversion factor was used to convert yd³ to tons

4.0 Technical Specification

The Technical Specification are based on the following tasks:

Task 1: Pre-Excavation Activities.

Task 2: Contaminated Soil Excavation and Management.

TASK 1: PRE-EXCAVATION ACTIVITIES

- 1) A site-specific Health and Safety Plan (HASP) will be prepared by the Contractor that conforms to all safety requirements per the OSHA Guidelines for Hazardous Waste Operations, 29 CFR Part 1910. All personnel working on-site shall be OSHA 40-hour HAZWOPER certified and abide by OSHA rules as listed in 29 CFR 1910, 29 CFR 1926, and OSHA General Duty Clause – Section 5, where applicable. A list of the proposed personnel to work on the project along with a copy of their current HAZWOPER certification shall be provided to the City of Tampa. Contractor is responsible for worker safety and maintenance of traffic during construction. Contractor will provide a “competent person”, in accordance with OSHA requirements, that will be present on-site during the entire source removal activities. This “competent person” will be responsible for excavation safety, traffic control, and maintenance of traffic.
- 2) Permitting and Fees – Contractor shall obtain and provide local, city, county, and state permits for the scope of work prior to the commencement of any site preparation and source removal activities. Copy of permits must be submitted to Terracon one week prior to scheduled mobilization of the contractor.
- 3) Utility Clearance – The contractor shall be responsible for locating and marking overhead, aboveground and underground utilities. All known utilities that are present in the area of excavation or remediation will need to be clearly marked and all necessary precautions shall be taken, including but not limited to hand-digging or clearing with a post-hole digger during those activities. Any utilities damaged during or as a consequence of remedial implementation will be repaired at the expense of the contractor.
- 4) Pre-burn or Waste Characterization Sampling – Terracon, and/or representatives from the City of Tampa, will collect waste characterization soil samples for disposal purposes.
- 5) Backfill Sampling – The imported clean fill used to backfill the excavated area must be tested prior to its transport to the project site. A representative soil sample shall be collected at the borrow pit by Terracon personnel and analyzed in accordance with the FDEP Backfill Sampling Memo, dated October 1, 2010 as follows:
 - One grab soil sample must be analyzed for volatile organic compounds (VOCs) by EPA method 8260,

- One grab sample must be analyzed for semi volatile organic compounds (SVOCs) by EPA Methods 8270, organochlorine pesticides by EPA Method 8081 and PCBs by EPA Method 8082 and Total Recoverable Petroleum Hydrocarbon (TRPH) by the FL-PRO Method, and
- One composite sample must be analyzed for the eight (8) RCRA metals by EPA Method 6010/6020 and EPA Method 7471.

The analytical results must be reported below the lowest of the Residential Direct Exposure or Leachability Based on Groundwater Criteria as stated in Chapter 62-777, F.A.C. Any soil that does not meet the applicable SCTLs will be rejected.

- 6) Site Specific Survey - The City of Tampa will provide survey points of the excavation limits defined within the project. The survey information will include associated property boundary limits and excavation depth limits. The City of Tampa will provide as-built drawings for the stormwater vault system and all associated piping, including cross-section drawings showing the depth of clean fill.
- 7) Tree removal – The Contractor is responsible for tree removal, as necessary, and obtaining any necessary City of Tampa - Tree Removal and Site Clearing Permits.
- 8) Stormwater/Erosion Control - Erosion control consisting of hay bales and/or silt fencing will be constructed in accordance with standard stormwater control measures. Depending on site conditions and weather, other controls may be necessary. The Contractor will be equipped with such devices to be able to respond to conditions that may change at a moment's notice.
- 9) Dewatering – Groundwater that is recovered during any dewatering activities requires special handling. All extracted groundwater from the Contractor installed dewatering system will require disposal to the City of Tampa sanitary sewer system. All applicable permits must be obtained from the City of Tampa Wastewater Department. All groundwater monitoring sampling and analysis must be performed in accordance with the City of Tampa Commitment for Wastewater Service. The City of Tampa also requires the installation of a discharge meter that is suitable for measuring the volume of water discharged. Discharge of groundwater to the local stormwater system will not be permitted.

TASK 2: CONTAMINATED SOIL EXCAVATION AND MANGAGEMENT

- 1) Site Security – Contractor shall install lighted barricades, safety fencing, and caution tape around the work areas for the duration of the project to increase safety and minimize the impact on the surrounding area. Additional site security shall be provided as required by permits obtained. The site must be secured when the contractor is not present to prevent access to the area of construction during the entire site preparation and source removal

activities. Security equipment will remain in place throughout implementation of the project, and shall not be removed until the excavation backfilling, and compaction to the existing grade has been completed.

- 2) Dust control - Contractor shall take appropriate measures to control dust or particulate matter during site preparation, and source removal activities at the Site. Sediment control devices shall be placed around the Site and storm drain structures to control soil particles from getting on the street or in storm drains during excavation.
- 3) Odor control - Contractor shall take appropriate measure to mitigate petroleum odors during source removal activities.
- 4) Contaminated Soil Removal – Contractor will perform excavation activities in a manner that safeguards areas not intended for excavation (i.e. shoring, trench-boxing, etc.).

The contaminated soil across the site must be excavated to a minimum of not less than 2 feet (24 inches) across the site. If drainage pipe, footers, etc. are required at depths greater than 2 feet bgs and require the excavation of soil below 2 feet bgs, that soil must be managed as contaminated soil. The Contractor will be responsible for providing as-built drawings illustrating the limits of the contaminated soil removed, and the depth of clean fill material.

There are portions of the Site where removal of the 2 feet of surface soil will not be possible, such as the northern portion of Parcel 1, or adjacent to the historical structure to the north of Parcels 2 and 3. Under those circumstances, an engineering control will be required. The engineering control is necessary to prevent human exposure to the contaminated soil and may consist of an asphalt, concrete, or other similar impermeable material.

The Contractor will not be required to collect confirmation soil samples during the excavation process.

The preferred method to handle contaminated soil is direct load from excavation to truck. If it must be stockpiled, all piles will be constructed on minimum 40 mil polyethylene sheeting with bermed edges to prevent run-off. When not in use and during rain events, the stockpiles will be required to be covered with polyethylene sheeting.

- 5) Soil Transportation and Disposal – Contaminated soils will be transported by a licensed transporter to an FDEP approved Subtitle D, Class I Solid Waste Landfill in accordance with state and federal regulations. Manifests for soil transport and certificates of destruction / disposal will be signed by the City of Tampa as the Generator. **Copies of all completed manifests, signed by the Transporter and Disposal Facility, with all associated weight tickets must be provided to the City of Tampa.** The manifests and weight tickets document

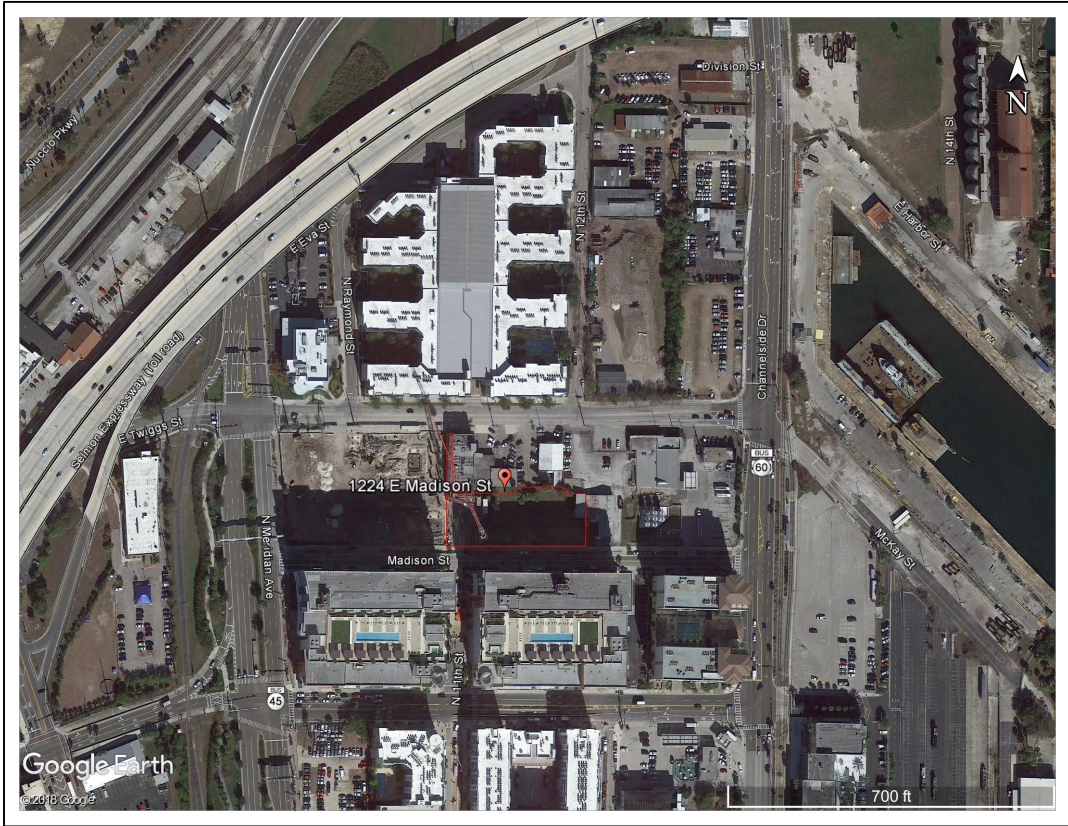
the volume of contaminated soils that are removed and document the proper disposal of these soils.

- 6) Backfill – Clean sand per Florida Department of Transportation (FDOT) specifications shall be used as backfill to 6" +/- below final grade per Park Construction Plans as recommended by Stantec. Coordination with the utility subcontractors, and placement of utility structures, will be required before placement of backfill material. Prior to backfill being brought to the site, the soils from the receiving borrow pit must have been tested and approved by the City of Tampa for use on-site.
- 7) Compaction – Backfill to be compacted and tested by Contractor per FDOT specifications as recommended by Stantec as a requirement of the park construction.
- 8) Restoration – Site restoration will be complete with the completion of compaction activities, and grades being restored to original conditions. The installation of sod or other ground cover will be the responsibility of others.
- 9) Final Submittals – Copies of all final signed waste manifests and certified landfill weight ticket must be provided to the City of Tampa prior to payment being received.

Schedule: Contractors should specify the duration and or timeline to complete the above listed tasks. Also, specify time to startup date if authorized.

MADISON STREET PARK
1224 EAST MADISON STREET
TAMPA, HILLSBOROUGH COUNTY, FLORIDA
CITY OF TAMPA/CONTRACT NO. 16-D-61901

CONTAMINATED SOIL MANAGEMENT TECHNICAL SPECIFICATION DRAWINGS



Terracon
Consulting Engineers and Scientists

5463 W. WATERS AVE., STE 830 TAMPA, FLORIDA 33634
PH. (813) 221-0050 FAX. (813) 221-0051

TERRACON PROJECT NO. H4167214

SHEET 1: LIMITS OF CONTAMINATED SOIL EXCAVATION AREA
SHEET 2: SOURCE EXCAVATION CROSS-SECTION

Project Mngr: DMC
Drawn By: VMC
Checked By: DMC
Approved By: SDG

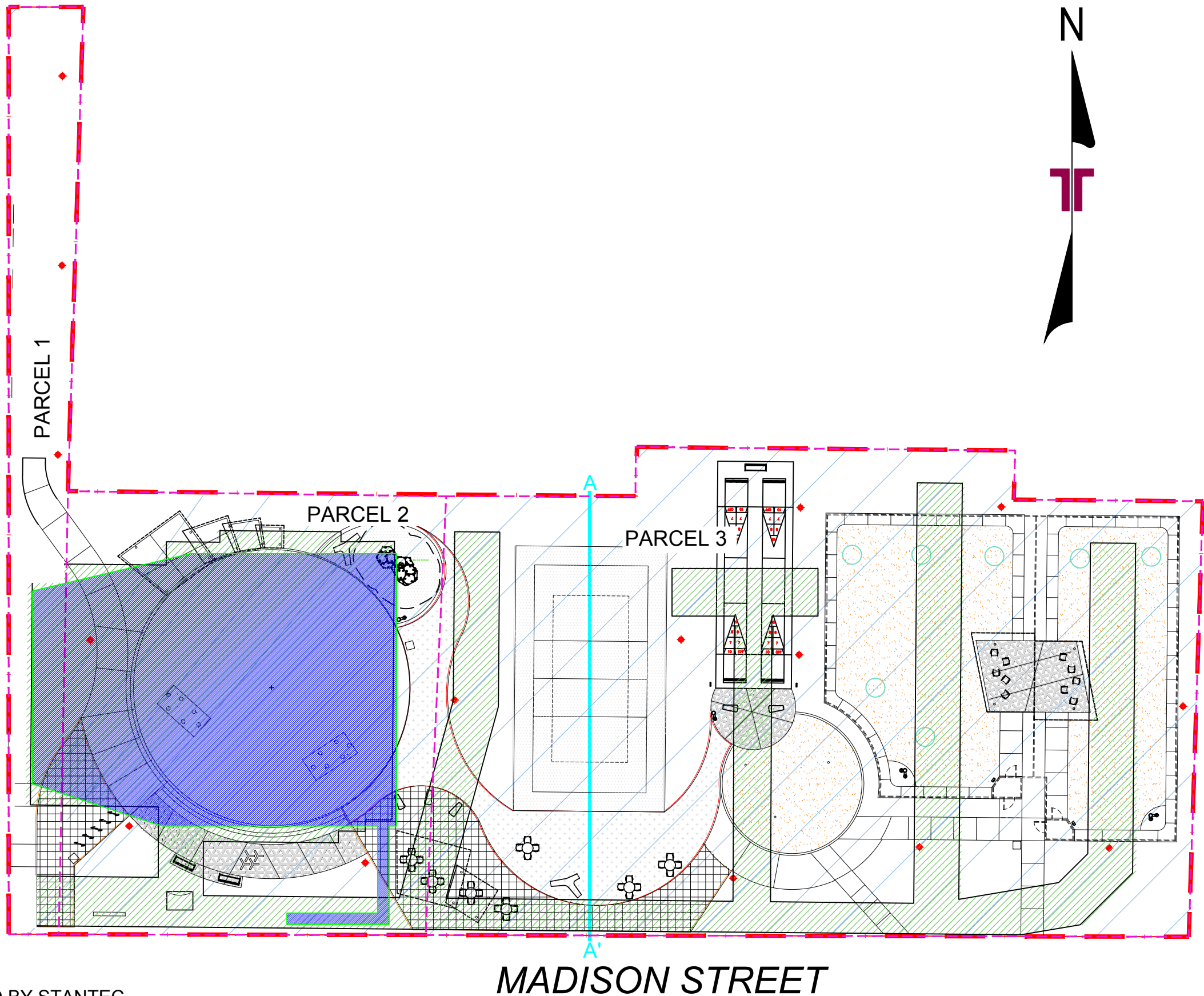
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File No. H4167214-C
Date: NOV-2018

Terracon
Consulting Engineers and Scientists

5463 W. Waters Ave., Ste 830 Tampa, Florida
PH. (813) 221-0050 FAX. (813) 221-0051

INTERIM SOURCE REMOVAL
MADISON STREET PARK
1224 EAST MADISON STREET
TAMPA, HILLSBOROUGH COUNTY, FLORIDA

COVER PAGE



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- 0 - 2 FT SOIL EXCAVATION AREA
- 2 - 4 FT SOIL EXCAVATION AREA
- COMPLETED CONTAMINATED SOIL EXCAVATION AND DRAINAGE STRUCTURE INSTALLATION AREA

Estimated Remaining Soil Excavation Volume by Parcel					
Units:		ft ²	ft ³	yd ³	tons
Parcel 2	0-2 ft bgs	5,268	10,535	390	546
	2-4 ft bgs	1,728	3,456	128	179
Parcel 3	0-2 ft bgs	24,565	49,130	1,820	2,547
	2-4 ft bgs	6,325	12,650	469	656
Total Estimated Cubic Yards (yd ³)				2,806	
				Total Estimated Tons	3,929

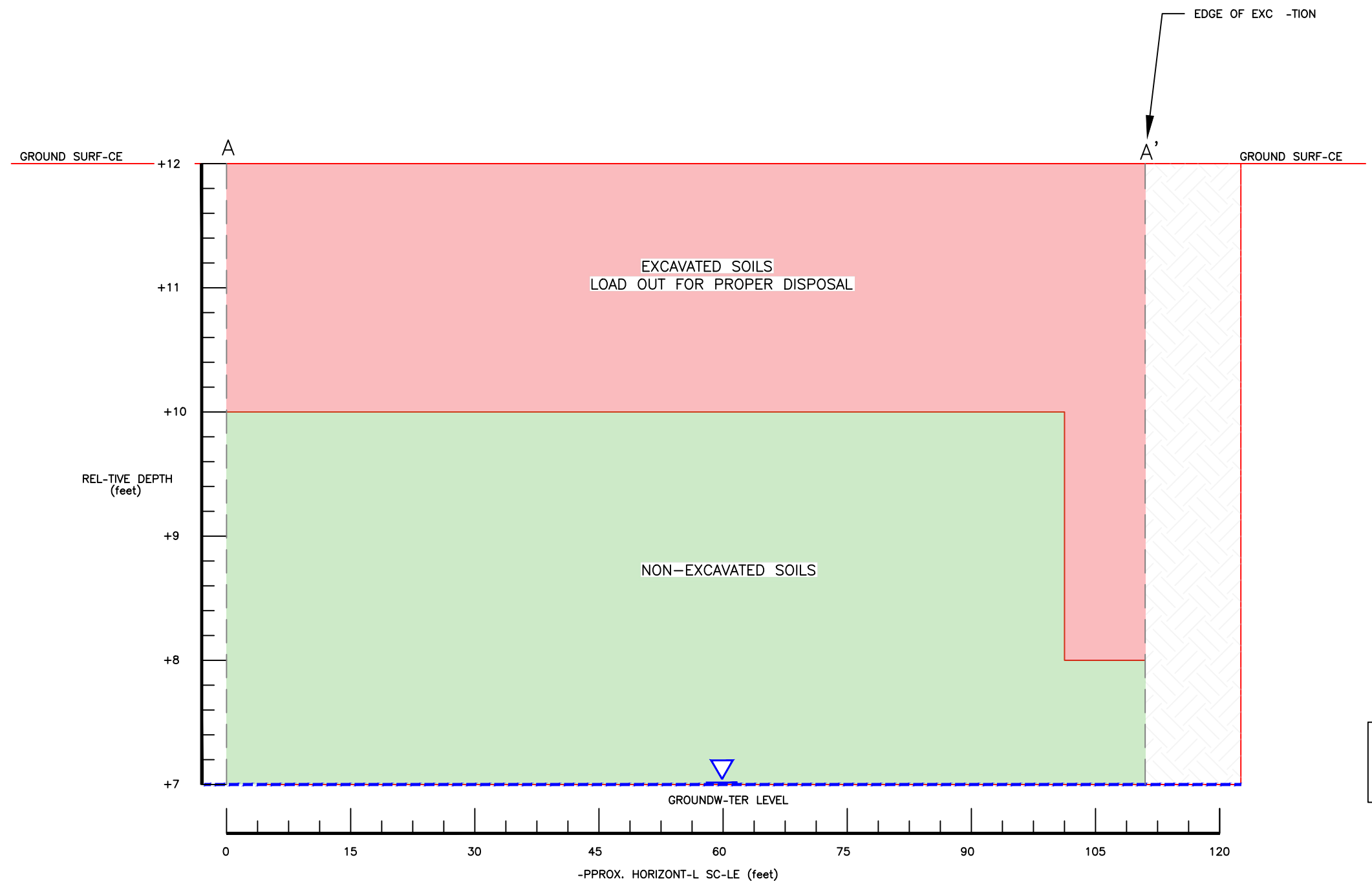
Notes:

ft - feet
yd - yard
bgs - below ground surface
A 1.4 conversion factor was used to convert yd³ to tons

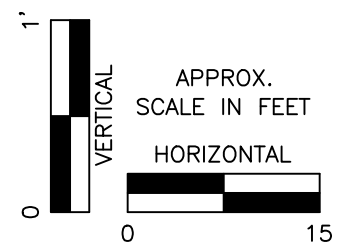
BASE MAP PROVIDED BY STANTEC

MADISON STREET

<div>Project Mngr: DMC</div> <div>Drawn By: VMC</div> <div>Checked By: DMC</div> <div>Approved By: SDG</div>		<div>Project No. H4167214</div> <div>Scale: 1" - 30'</div> <div>File No. H4176214-1</div> <div>Date: FEB-2019</div>		<div></div> <div>Consulting Engineers and Scientists</div> <div>5463 W. Waters Ave., Ste 830 Tampa, Florida PH. (813) 221-0050 FAX. (813) 221-0051</div>	<div>LIMITS OF PROPOSED SOIL EXCAVATION</div> <div>INTERIM SOURCE REMOVAL PLAN</div> <div>MADISON STREET PARK</div> <div>1224 EAST MADISON STREET</div> <div>TAMPA, HILLSBOROUGH COUNTY, FLORIDA</div>	<div>SHEET</div> <div>1</div>	
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CROSS SECTION VIEW NOTES:
THE CROSS-SECTION VIEW IS BASED ON EXHIBIT 1 -
SOURCE REMOVAL AREA, PLAN VIEW



WATER TABLE BASED ON PHASE II ESA FROM SOLANA ENVIRONMENTAL ASSOCIATES, INC

Project Mngr:	DMC
Drawn By:	VMC
Checked By:	DMC
Approved By:	SDG

Project No.	H4167214
Scale:	AS SHOWN
File No.	H4176214-2
Date:	NOV-2018

Terracon
Consulting Engineers and Scientists

5463 W. Waters Ave., Ste 830
PH. (813) 221-0050

Tampa, Florida
FAX. (813) 221-0051

SOURCE REMOVAL CROSS-SECTION

INTERIM SOURCE REMOVAL PLAN
MADISON STREET PARK
1224 EAST MADISON STREET
TAMPA, HILLSBOROUGH COUNTY, FLORIDA

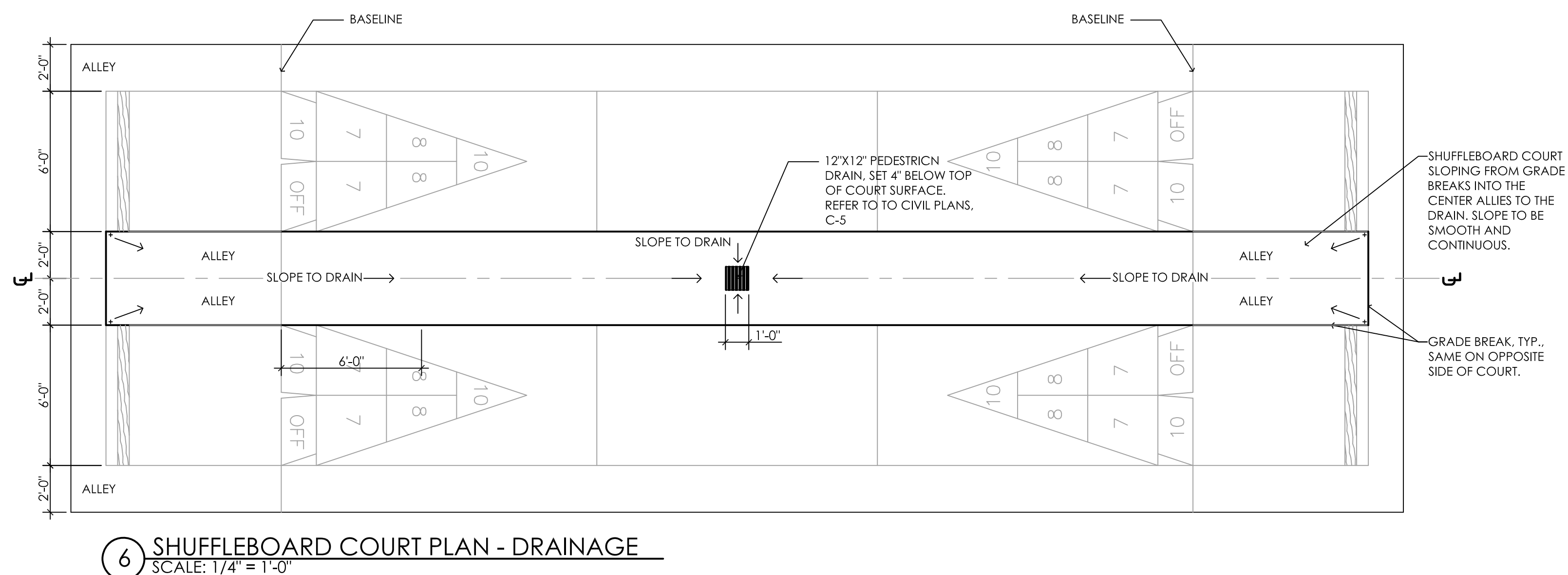
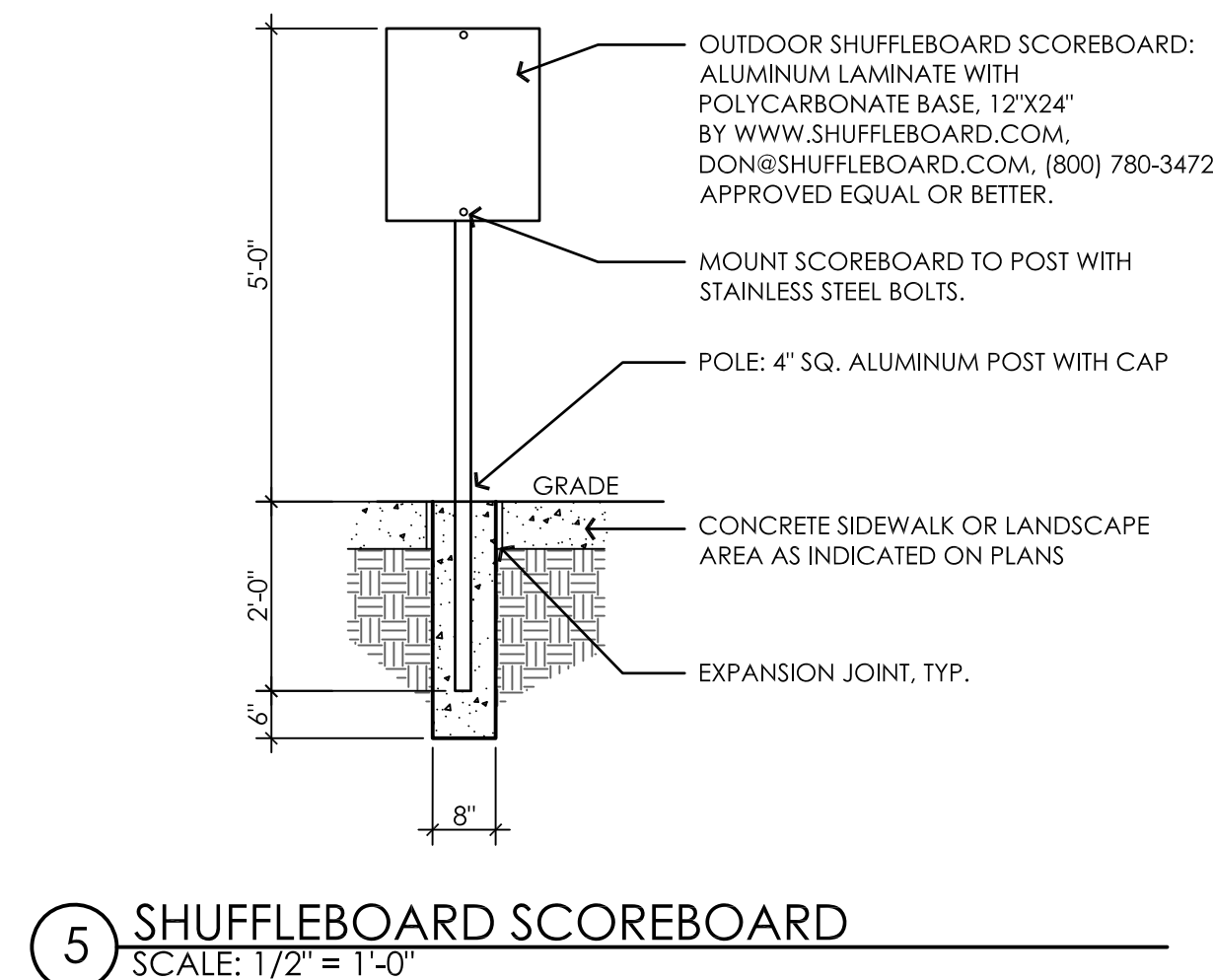
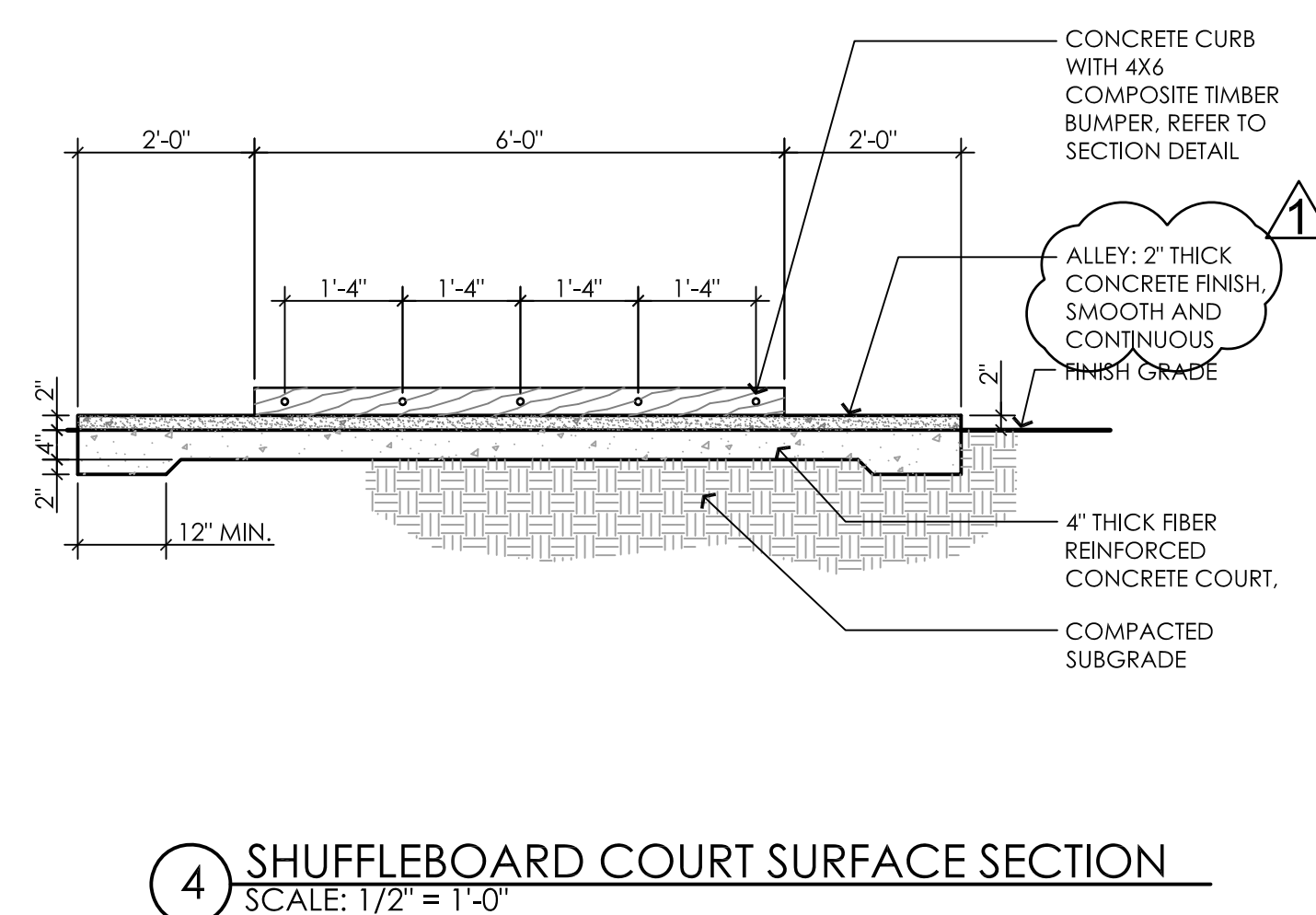
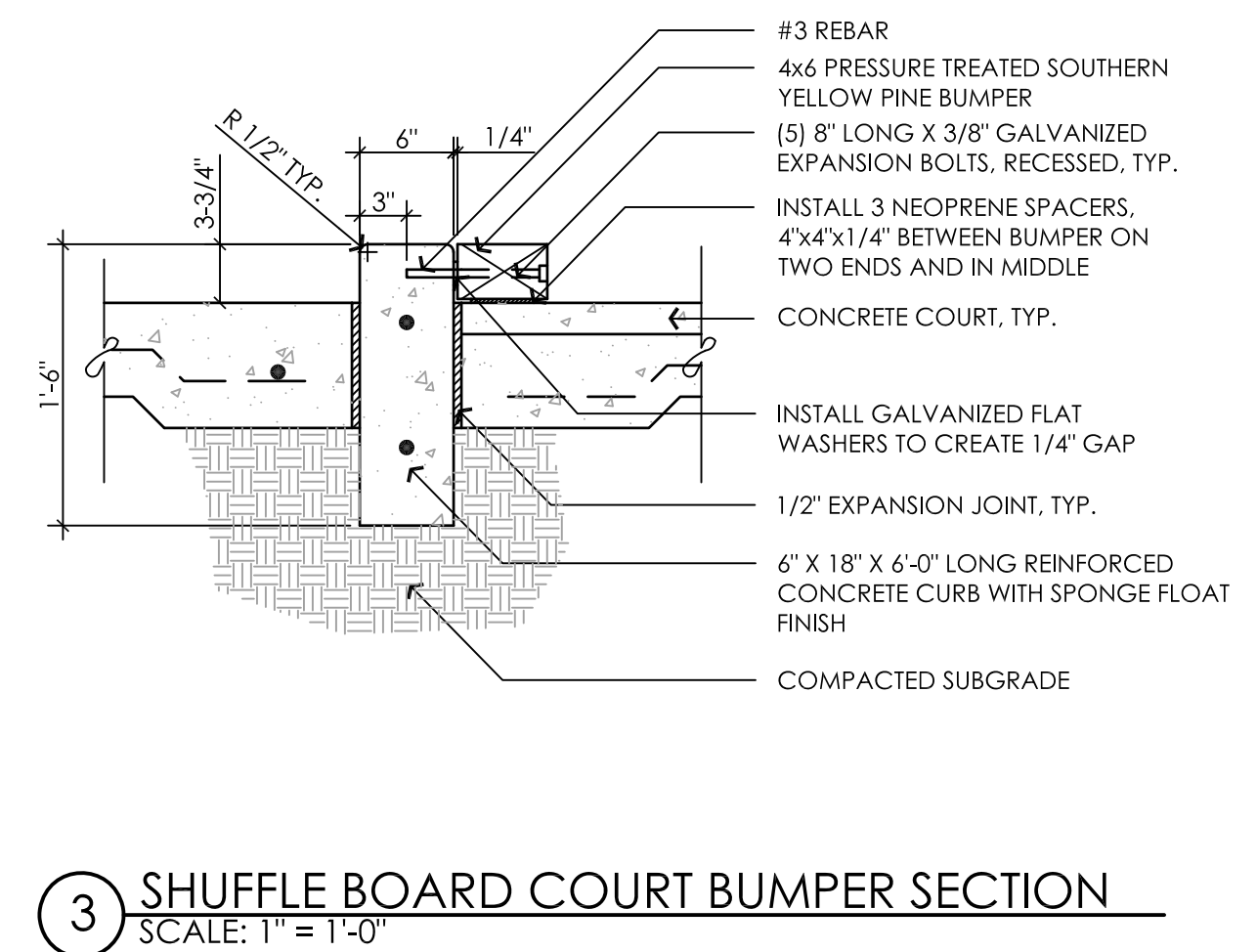
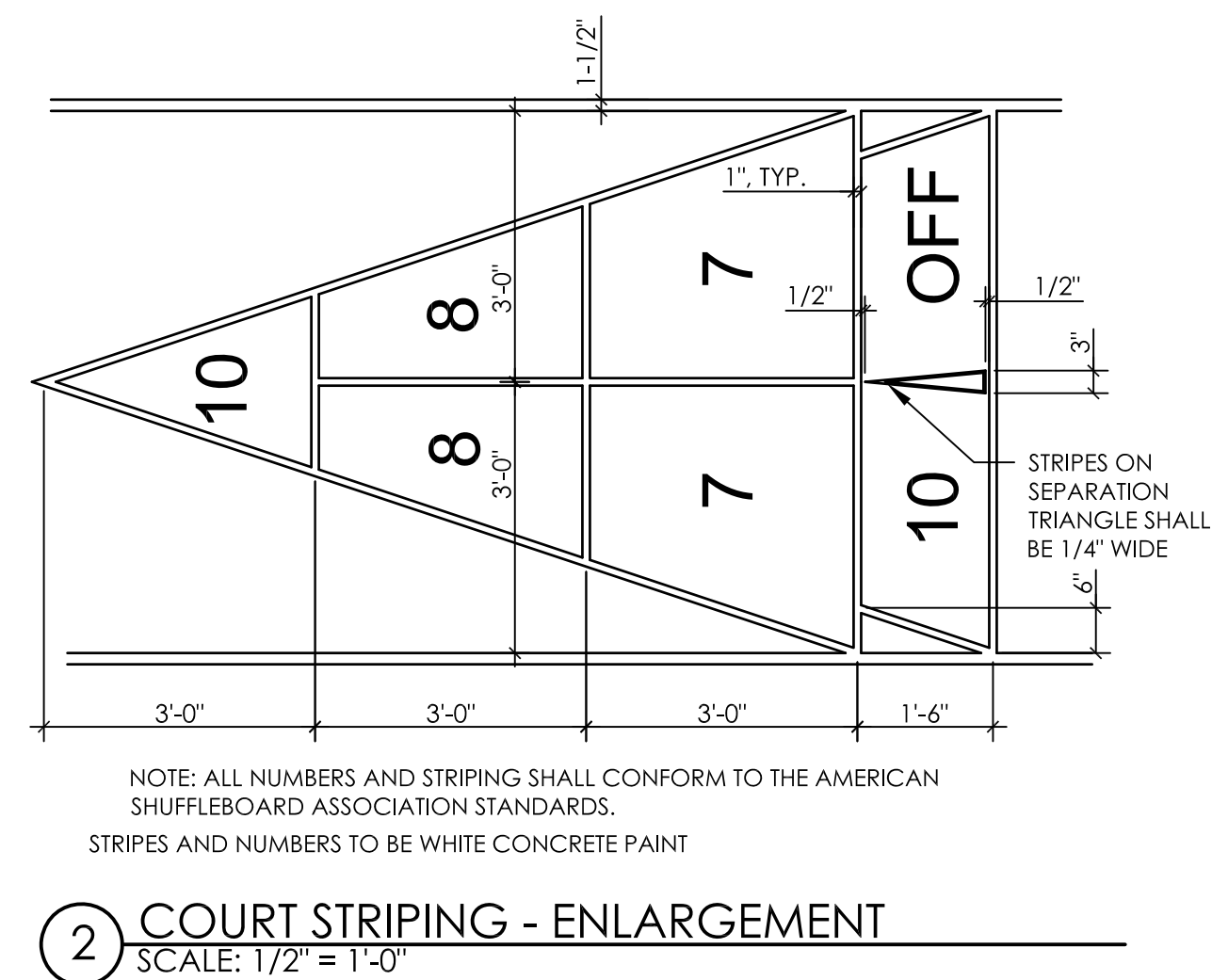
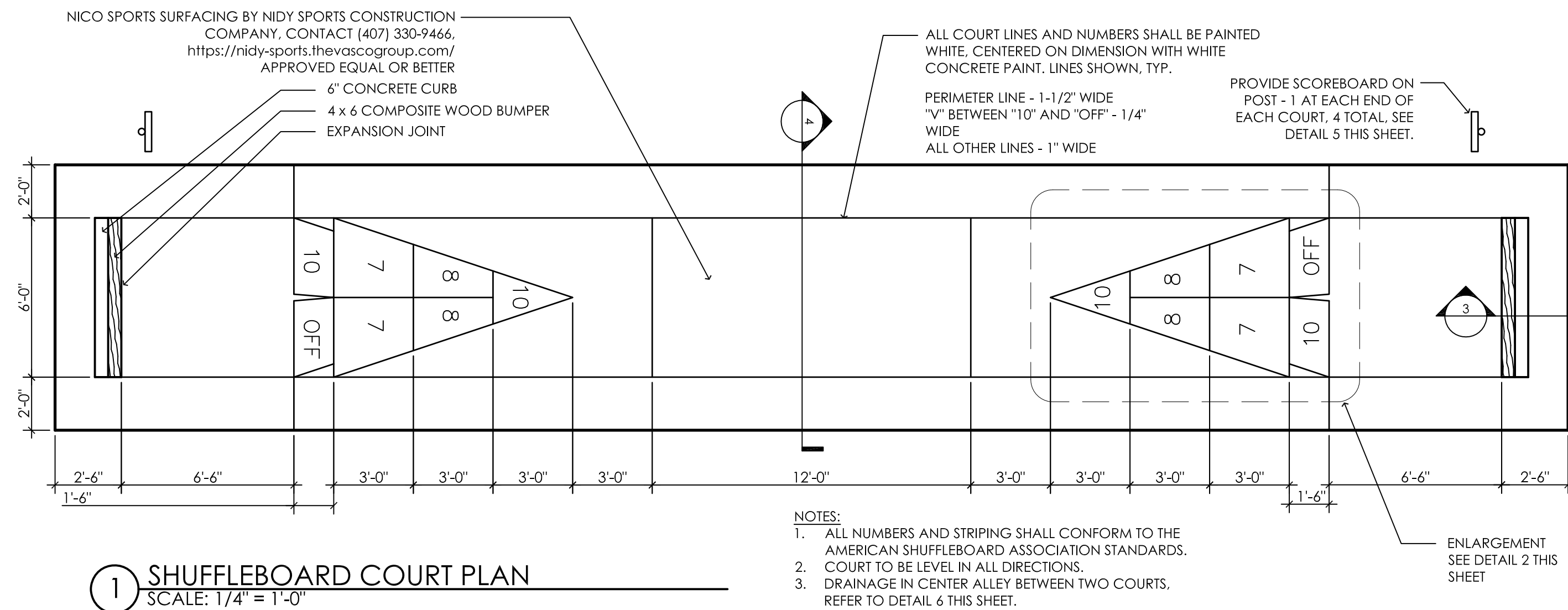
SHEET

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ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) 6TH EDITION 2017, CHAPTER 5 OF THE CITY OF TAMPA CODE, AND ALL OTHER APPLICABLE CODES.



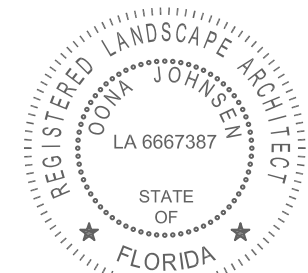


Δ	PRE-BID	OJ	OJ	19.02.16
Revision				
5	FINAL PLAN / BID PLAN	OJ	HS	18.12.14
4	100% CD	OJ	HS	18.10.08
3	90% CD CITY REVIEW	OJ	HS	18.07.02
2	SWFWD SUBMITTAL	KMJ	HS	18.05.22
1	100% DO CLIENT REVIEW	KMJ	HS	18.05.15
Issued				
		By	Appd.	YY-MM-DD

This item has been electronically signed and sealed by Oona Johnson, RLA on 2/6/2019 using SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

Client/Project CITY OF TAMPA	This plan was prepared in accordance with a SHA-1 approved contract and this document should not be verified
MADISON STREET PARK Contract No. 18-C-00036	
1224 E. MADISON STREET, CHANNEL DISTRICT	
Title HARDSCAPE DETAILS	

Permit-Seal



OONA JOHNSEN RLA.
 LICENSE NO. 6667387
 Project Number: 215612562
 SCALE: 1"=20'
 FILE NAME: 12562-01L-521HDTL.DWG

OJ	HS	OJ	2019/01/04
Dwn.	Chkd.	Dsan.	YY.MM.DD

Drawing No. L523

Revision Sheet

CONTRACT 18-C-00036; Madison Street Park / Pre-Bid Opening Mtg. 2/05/19; 2:00p.m.

E-Mail to Register as a Plan Holder and E-Mail All Questions to; ContractAdministration@tampagov.net

Sign-In Sheet ☐ Please Print

City of Tampa, Contract Administration Department

	Name	Organization	E-Mail OR Phone
	Jim Greiner, PE	Tampa Contract Administration Dept.	Jim.Greiner@tampagov.net
	Michelle Wilson	Hardeman	
5	HARALE ROCHA LOSON	BURKE CONSTRUCTION	HARALELOSON@BCGCONSTRUCTION.NET
6	MIKE TREADWAY	FORESIGHT CONST GROUP	wtreadway@foresightcgi.com
7	MIKE RUSHEN	BRIGHTVIEW	michael.rushen@brightview.com
8	WILL FIFE	LEMA	WILLIAM.F@LEMACONSTRUCTORS
9	Doug Nelson	UES	duelson@ues-tampa.com
#	Mike McLandless	Mainstay Construction	mikem@mainstaycm.com
#	Watt Muller	Watts Construction	wattm@wattsconstruction.com
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#	Christine Bruno	COT-CAD	christine.bruno@tampagov.net
#	Drew Furch	HARDMAN LANDSCAPE	DFURCH@HARDMANLANDSCAPE.PE.ca
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