

August 20, 2018
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
Addendum No. 1, IFB Y18-789-EB
BARBER PARK PLAYGROUND IMPROVEMENTS

Bid Opening Date: August 30, 2018

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

A. The bid opening date remains August 30, 2018 at 2:00 P.M.

B. Additions, Revisions, Deletions, Clarifications, Questions and Answers:

1. The following drawings have been revised and are made part of this Addendum:

- Sheet C.1 Cover dated 8/17/18
 - District 2 County Commissioner name revised.
 - Sheets P.6 (Playground Renderings) and P.7 (Details & Specs - Shade Structure) added to Index of Sheets
 - Total number of sheets revised
- Sheet C.2 General Notes dated 8/17/18
 - Title block revision for Addendum #1 – no other changes.
- Sheet C.3 Erosion Control Plan dated 8/17/18
 - Title block revision for Addendum #1 – no other changes.
- Sheet C.4 Demolition Plan – Playground dated 8/17/18
 - Fence removal note revised. All fencing located outside of the existing playground safety surface is to remain. All fencing located within the existing playground safety surface area is to be removed.
 - All playground equipment and shade structures and all associated footings located within the existing playground safety surface area are to be removed.
 - All existing playground safety surface and associated concrete base slab, drains, and pipes to be removed.
 - All repairs to existing concrete walkway to be replaced in whole panels.
 - Contractor to locate and cut and cap existing drainage pipe. Contractor to clean existing drainage line prior to reconnecting to new playground drainage pipe.
 - Note to bidders removed from top left corner of sheet.
 - 'Demolition Plan Keyed Notes' revised.
 - Concrete pad at north end of playground to remain.

- Sheet C.5 Grading Plan – Playground
 - New Safety Surface base revised to #89 granite.
 - ‘Under Drain in Safety Surface’ detail removed.
 - ‘Concrete Pavement / Safety Surface’ detail removed.
 - ‘Safety Surface/Footing Fill’ detail revised.
 - ‘Safety Surface Drainage’ detail added.
 - ‘Trench’ detail added
 - Note #12 revised.
 - Note #13 added.
 - Layout of new drainage pipe and drains revised.
 - Concrete Paving control joint pattern and notes revised.
 - Safety surface area decreased.
 - Concrete walkway area increased.
 - Proposed concrete walkway at south end of playground revised to be sloped towards safety surface.
- Sheet C.6 Demolition Plan – Parking Area Additive One
 - Existing concrete walkway note revised
- Sheet C.7 Grading Plan – Parking Area Additive One
 - ADA detectable warning surface graphic added where sidewalk meets parking area.
 - Bottom of Curb elevation revised.
- Sheet C.8 Details - Construction
 - Detail #2: ‘EPDM Typical Safety Surface Wear Course Application’ revised.
- Sheet P.1 Playground Components
 - Safety surface area revised.
 - Shade sail color added.
 - Column height and color added.
 - Swing seat color added
 - Basis of Design added
- Sheet P.2 Playground Layout & Components
 - Shade sail color added
 - Column height and color added
 - Basis of design added
- Sheet P.3 Playground Layout & Components
 - Dimensions removed
 - Safety Surface area revised
- Sheet P.4 Details – Playground Equipment Footings
 - Column heights and color added
 - Shade sail color added

- Shade structure footing detail revised: note added, and dimensions revised, PIP added.
- Sheet P.5 Details – Playground Equipment List
 - Title block revision for Addendum #1 – no other changes.
- Sheet P.6 Playground Renderings
 - New sheet added
- Sheet P.7 Details & Specs – Shade Structure
 - New sheet added

2. **Question:** Please confirm that all foundations for existing playgrounds will be removed.

Answer: Yes

3. **Question:** Please confirm that the slab of concrete under the poured in place safety surface will be removed when we dig the safety surface out.

Answer: Yes

4. **Question:** Please confirm if a new 4” slab will then need to be poured after we put new foundations in the ground.

Answer: Please refer to and follow the plans, details, and specifications regarding the installation of this item.

5. **Question:** Please confirm if landscaping and or grass will need to be replaced if we damage it in the surrounding areas?

Answer: Yes.

C. ACKNOWLEDGEMENT OF ADDENDA

- a. The Bidder/Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the bid or proposal.
- b. All other terms and conditions of the IFB remain the same.
- c. **Receipt acknowledged by:**

Authorized Signature

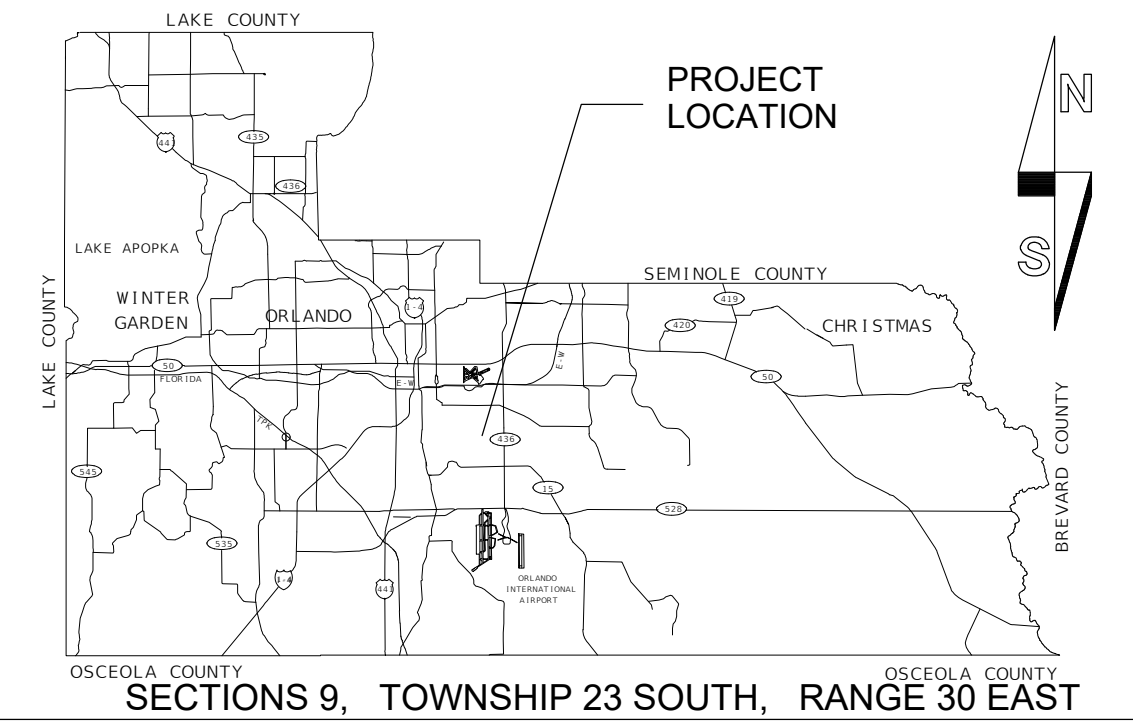
Date Signed

Title

Name of Firm



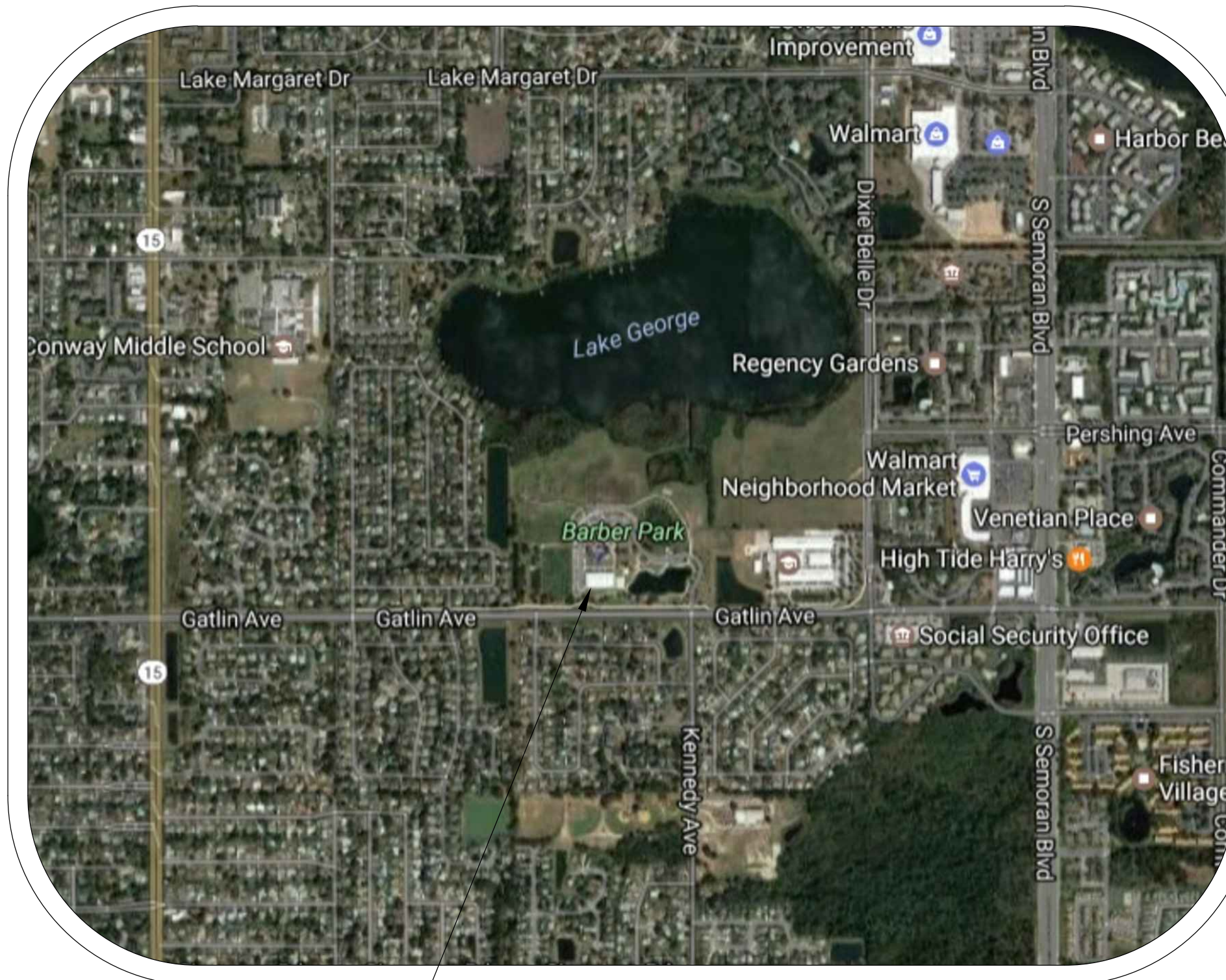
CONSTRUCTION PLANS FOR ORANGE COUNTY PARKS & RECREATION BARBER PARK PLAYGROUND IMPROVEMENTS DISTRICT NUMBER 3 ORANGE COUNTY, FLORIDA



LOCATION MAP

SOURCE OF BENCH MARK
DATUM FOR THIS PROJECT

ORANGE COUNTY BM L911-811
PUBLISHED ELEVATION = 101.11 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
(AS PROVIDED ON THE SURVEY PREPARED BY
SOUTHEASTERN SURVEYING AND MAPPING, CORP.,
DRAWING NUMBER 46225009C, DATED 09-15-2015)



NOT TO SCALE
VICINITY MAP
3701 GATLIN AVE,
ORLANDO, FL 32812

NOTES:
1. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

11" X 17" DRAWINGS ± HALF SIZE
22" X 34" DRAWINGS ± TO SCALE

2. INFORMATION SHOWN WITHIN THESE PLANS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FOR CONSTRUCTION AND MAINTENANCE ON THE STATE HIGHWAY SYSTEM (2017-18 EDITION).

AND

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2018 EDITION) AS AMENDED BY CONTRACT DOCUMENTS.

AND

FLORIDA BUILDING CODE, FIFTH EDITION (2014)

UTILITIES ENCOUNTERED

WATER & SEWER: ORANGE COUNTY UTILITIES	407-254-9700
WATER: ORLANDO UTILITIES COMMISSION	407-244-8736
ELECTRIC: ORLANDO UTILITIES COMMISSION	407-423-9100
PHONE: AT&T FLORIDA (GM9510@ATT.COM)	407-277-1782

BID DOCUMENTS

BOARD OF COUNTY COMMISSIONERS

TERESA JACOBS	COUNTY MAYOR
BETSY VANDERLEY	DISTRICT 1
ROD A. LOVE	DISTRICT 2
PETE CLARKE	DISTRICT 3
JENNIFER THOMPSON	DISTRICT 4
EMILY BONILLA	DISTRICT 5
VICTORIA P. SIPLIN	DISTRICT 6

NOTE

PLANS WERE PREPARED TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. DEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL FOR UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045 (1) OF THE FLORIDA STATUTES.

DATE: _____ ENGINEER: JEFFREY J. EARHART REG. NO. 49935

INDEX OF SHEETS
Sheet List Table

Sheet Number	Sheet Title
C.1	COVER
C.2	GENERAL NOTES
C.3	EROSION CONTROL PLAN
C.4	DEMOLITION PLAN - PLAYGROUND
C.5	GRADING PLAN - PLAYGROUND
C.6	DEMOLITION PLAN - PARKING AREA
C.7	GRADING PLAN - PARKING AREA
C.8	DETAILS - CONSTRUCTION
P.1	PLAYGROUND COMPONENTS
P.2	PLAYGROUND LAYOUT & COMPONENTS
P.3	PLAYGROUND LAYOUT & COMPONENTS
P.4	DETAILS - PLAYGROUND EQUIPMENT FOOTINGS
P.5	DETAILS - PLAYGROUND EQUIPMENT LIST
P.6	PLAYGROUND RENDERINGS
P.7	DETAILS & SPECS - SHADE STRUCTURE
SV.1	SURVEY
SV.2	SURVEY
SV.3	SURVEY
SV.4	SURVEY

 ARCHITECTURAL DESIGN COLLABORATIVE 945 NORTH PENNSYLVANIA AVE. WINTER PARK, FL 32789 (407) 629-1188	 CIVIL ENGINEER 2215 WEMBLEY PLACE, OVIEDO, FL 32765 (813) 361-2644 CONTACT: JEFF EARHART
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REVISIONS	DATE	BY
ADDENDUM 1	08/17/18	MR

DESIGNED BY: JJE DATE: 06/05/2017 DRAWN BY: MR DATE: 06/05/2017 CHECKED BY: MS DATE: 06/05/2017 PROJECT NO: 170033 BARBER PARK	SHEET C.1 OF 19
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GENERAL NOTES:

1. ALL ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENTS OF THE PROJECT SPECIFICATIONS, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND SUPPLEMENTS THERETO, AND ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
3. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING TOPOGRAPHIC FEATURES FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLAN GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE OWNER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
5. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVAL(S) OF THE DISPOSAL SITES SHALL BE OBTAINED FROM ORANGE COUNTY PRIOR TO DISPOSAL. ALL EXCESS MATERIALS ARE THE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR.
6. ALL EXISTING TREES WITHIN THE FOOTPRINT OF THE CONSTRUCTION LIMITS ARE TO BE REMOVED AS CLEARING AND GRUBBING UNLESS OTHERWISE DIRECTED.
7. SOD ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN ON THE PLANS. SOD SHALL MATCH EXISTING TYPE SOD UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. PEGGED SOD TO BE PLACED ON ALL SLOPES 1:2 OR STEEPER.
10. SAWCUT CONCRETE DRIVEWAYS AS REQUIRED FOR CONSTRUCTION.
11. ALL PAVEMENT OFFSETS SHOWN ARE TO PROPOSED CENTERLINE OF CONSTRUCTION; ALL RADII AND DIMENSIONS ARE TO PROPOSED EDGE OF PAVEMENT.
12. FOR STABILIZATION AT TURNOUTS AND DRIVEWAYS CONNECTIONS SEE STANDARD INDEX No. 515 AND TYPICAL SECTIONS FOR DEPTH AND LBR.
13. DRIVEWAY LOCATIONS AND WIDTHS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY AS DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH REQUIREMENTS OF THE VARIOUS PERMITS INCLUDED IN THE BID SPECIFICATIONS. PAYMENT IS INCLUDED IN THE BID PRICE FOR SECTION 104: "PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION", EXCLUDING ITEMS SPECIFIED ELSEWHERE. ENVIRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATED IN THE STORMWATER POLLUTION PREVENTION PLAN AND/OR DESIGNATED BY THE ENGINEER.
15. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION. SUNSHINE STATE ONE CALL MUST BE NOTIFIED FOR LOCATES AT 1-800-432-4770.
16. UTILITIES ARE TO BE ADJUSTED BY THE CONTRACTOR OR AS DIRECTED BY THE ENGINEER.
17. THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES.
18. ALL DRAINAGE PIPES SHALL BE STEEL REINFORCED CONCRETE PIPES, CLASS III, UNLESS OTHERWISE NOTED.
19. INLET ELEVATIONS SHOWN IN THE PLANS REFER TO THE EDGE OF PAVEMENT AT THE CENTER OF CURB INLETS AND THE TOP OF THE GRATE FOR DITCH BOTTOM INLETS.
20. ALL EXCAVATIONS SHALL BE REQUIRED TO CONFORM TO THE PROVISIONS OF PART IV OF CHAPTER 553.60, F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT", TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS, AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.
22. ALL MANHOLE COVERS SHALL INCLUDE THE ORANGE COUNTY LOGO AND BE IDENTIFIED AS "ORANGE COUNTY SANITARY", "ORANGE COUNTY STORM", OR "ORANGE COUNTY WATER", AS APPROPRIATE. (SEE DETAILS BELOW)
23. ALL INLET/MANHOLE - PIPE JOINTS SHALL BE FILLED WITH NON-SHRINK GROUT, COVERED WITH AN ASPHALTIC MASTIC COATING, AND WRAPPED WITH A FILTER FABRIC MATERIAL PER SECTION 13.03.03 OF THE ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
24. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
25. ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.
26. DESIGN CHANGES OF PIPE INVERTS NOT EXCEEDING PLUS OR MINUS ONE FOOT WILL NOT BE CONSIDERED AS A BASIS /FOR ADDITIONAL COMPENSATION FOR THE PERTINENT PIPE BID ITEM OR FOR MODIFICATION OF PRECAST STRUCTURES.

GENERAL NOTES CONTINUED:

27. ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH CAST IRON VALVE BOX.
28. ANY U.S.C. AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, ORANGE COUNTY SURVEY SECTION 407-836-7940 AND BOTH SHALL NOTIFY: DAVID NEWCOMER, NOAA AND RANDY WEGNER, NOAA, C/O FLDEP, BUREAU OF SURVEY AND MAPPING, MS 105, 3900 COMMONWEALTH BOULEVARD, TALLAHASSEE, FL 32399-3000, TELEPHONE: (850) 245-2606, FAX: (850) 245-2645.
29. PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE 407-836-7940. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48 HOURS OF TELEPHONE NOTIFICATION.
30. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO ORANGE COUNTY CAPITAL PROJECTS DIVISION A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT TIES SHOWN ON THE TITLE SHEET AND PLAN AND PROFILE SHEETS, AND/OR A SET OF FIELD NOTES FOR ALL ADDITIONAL BENCHMARK AND REFERENCE POINT TIES PROPOSED TO BE USED IN CONSTRUCTING THE PROJECT WITH THEIR LOCATION, DESCRIPTION AND ELEVATION, BASED ON ORANGE COUNTY DATUM. ALL SUBMITTALS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
31. TO MEET ADA REQUIREMENTS, ALL SIDEWALK CONSTRUCTION SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, STATE FDOT INDEX 304, INDEX 310, AND INDEX 600.
32. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
33. CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTING CONSTRUCTION.
34. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL CALL SUNSHINE ONE TWO BUSINESS DAYS IN ADVANCE OF PERFORMING ANY UTILITY ADJUSTMENTS OR RELOCATIONS. SUNSHINE ONE PHONE NUMBER 1-(800)-432-4770.
35. CONTRACTOR TO VIDEOTAPE AND PHOTOGRAPH THE LIMITS OF CONSTRUCTION PRIOR CONSTRUCTION AND GIVE A COPY TO THE COUNTY. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM NO. 101-1, MOBILIZATION.
36. THE RUNNING SLOPE OF WALKING SURFACES ON AN ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48. FBC ACCESSIBILITY 403.3. THE CONTRACTOR SHALL REVISE ELEVATION AND SIDE LOCATIONS TO MEET THIS REQUIREMENT AS NEEDED.
37. CITY OF ORLANDO'S GUIDELINES FOR EROSION SEDIMENT CONTROL (A.K.A. THE BLUE SHEET) WILL SERVE AS A GUIDE FOR THE IMPLEMENTATION OF EROSION SEDIMENT CONTROL MEASURES. THE BLUE SHEET CAN BE FOUND ON THE CITY OF ORLANDO WEBSITE.

PLOT DATE: 2018-08-17

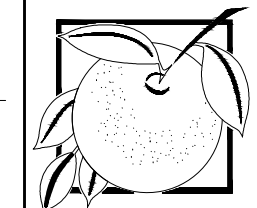
NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	
1	06/09/2017	

Addendum 1 

ADC
ARCHITECTURAL DESIGN
COLLABORATIVE
945 N. PENNSYLVANIA AVENUE
WINTER PARK, FLORIDA 32789
(407) 929-1188

TEAM Engineering, LLC
TEAM ENGINEERING
COLLABORATIVE
2215 WEMBLEY PLACE
ORLANDO, FL 32765
(407) 267-8905
COA-28813

JEFFREY EARTHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935

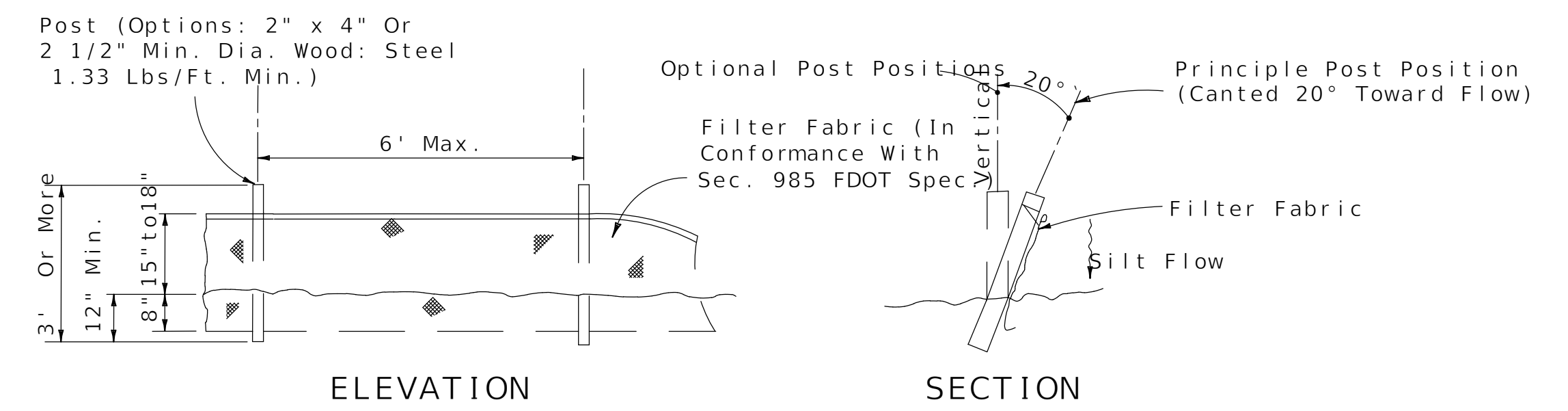
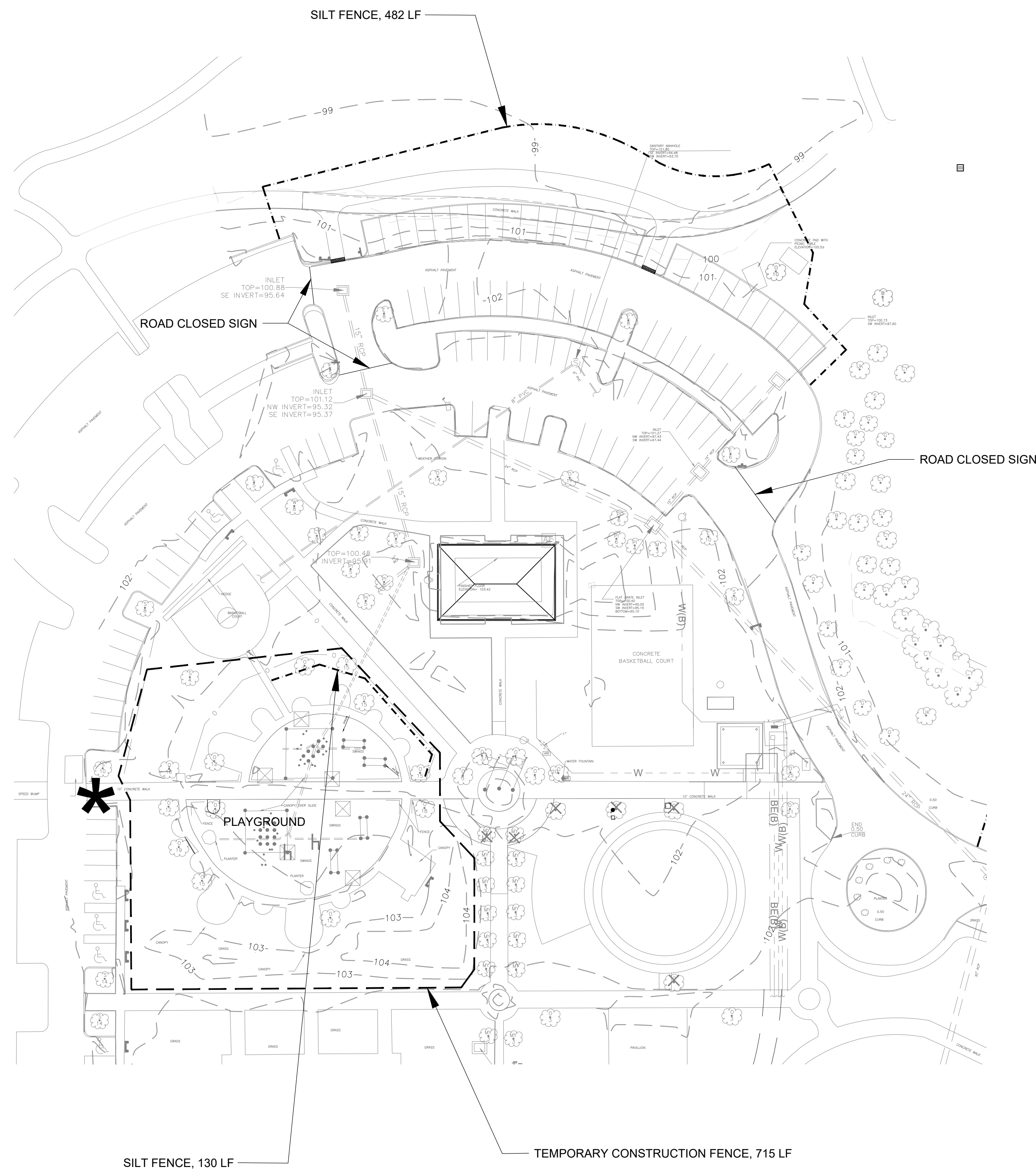


**ORANGE COUNTY
GOVERNMENT
FLORIDA**

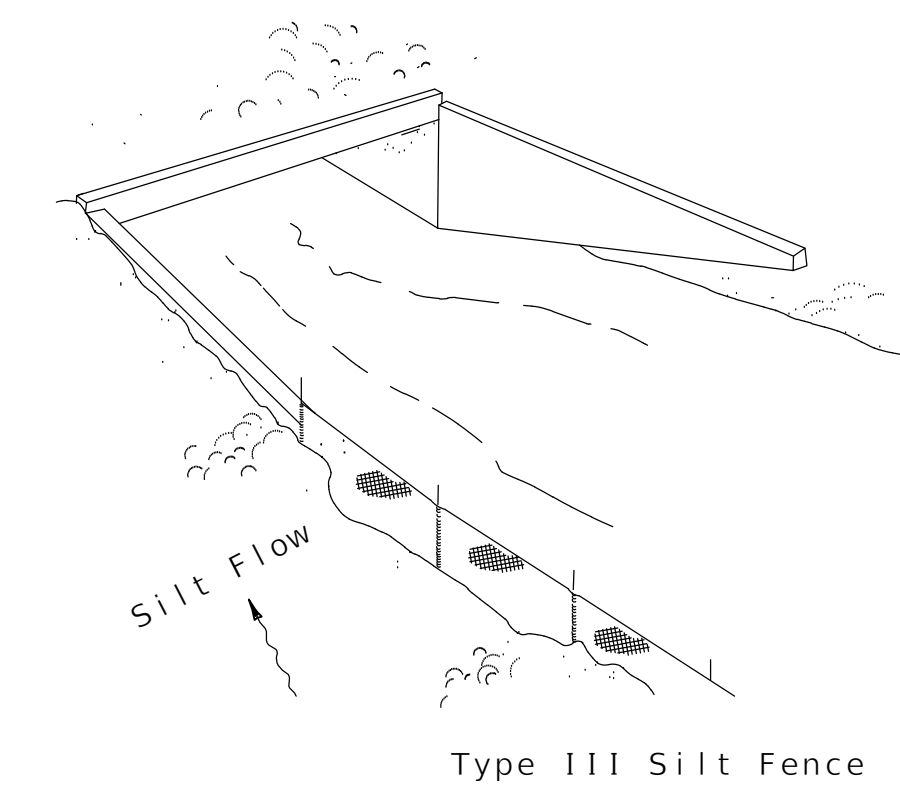
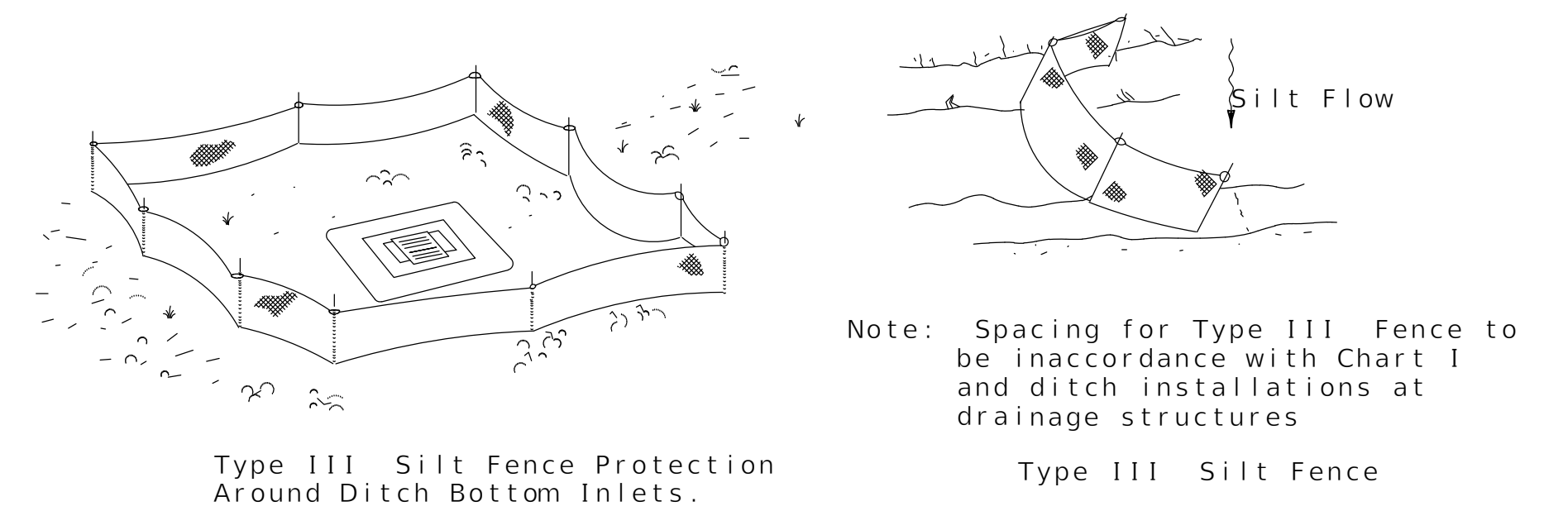
**BARBER PARK
PLAYGROUND
IMPROVEMENTS**
3701 GATLIN AVENUE, ORLANDO, FL 32812

GENERAL NOTES

SHEET NUMBER
C. 2
OF 19 SHEETS

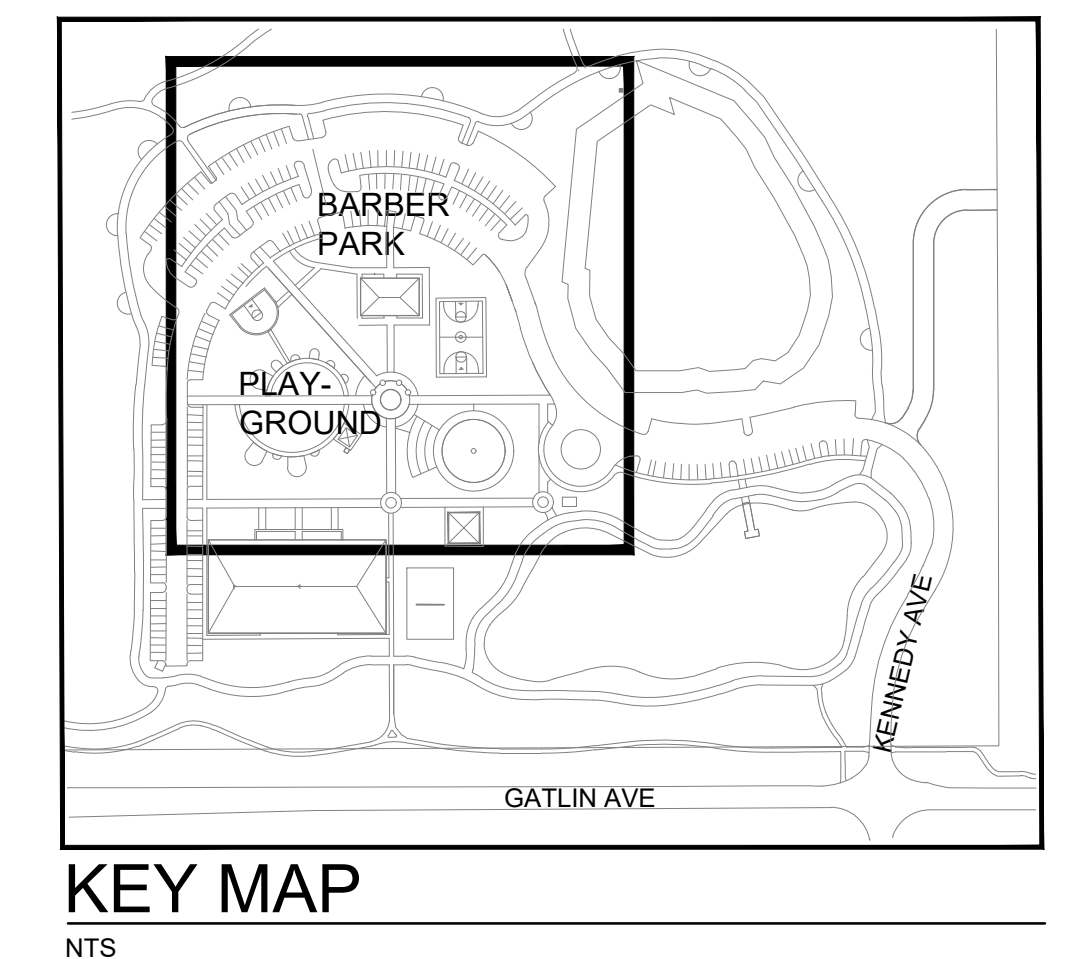
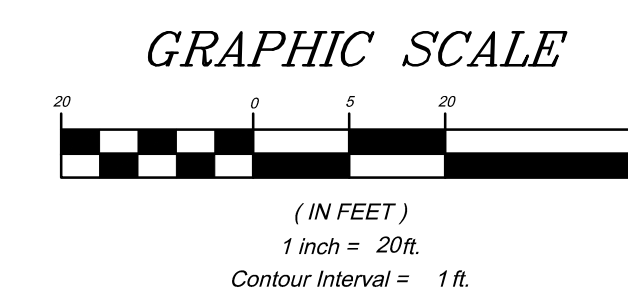
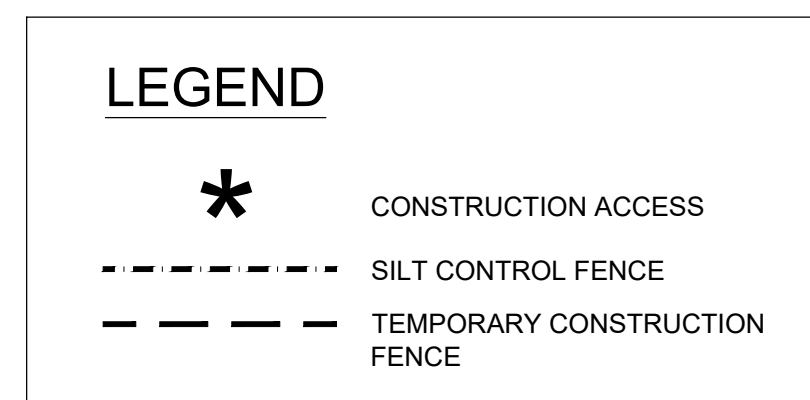


TYPE III SILT FENCE



Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS NTS

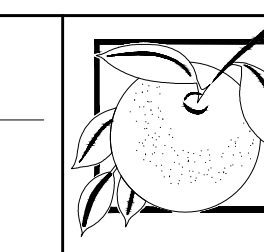


NO.	DATE	REVISION
3	08/17/2018	Addendum 1
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

ADC
ARCHITECTURAL DESIGN
COLLABORATIVE
5615 PENNSYLVANIA AVENUE
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JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935



**ORANGE COUNTY
GOVERNMENT
FLORIDA**

**BARBER PARK
PLAYGROUND
IMPROVEMENTS**
3701 GATLIN AVENUE, ORLANDO, FL 32812

EROSION CONTROL PLAN

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PLOT DATE: 2018-08-17

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N INVERT=95.91

DEMOLITION PLAN KEYED NOTES

- 1. CONTRACTOR SHALL OBTAIN ADVANCE APPROVAL FROM OWNER AND PROJECT ENGINEER FOR DIMENSIONS AND LIMITS OF DEMOLITION WORKS.
- WHERE EXISTING PAVEMENT, CURB OR CONCRETE SLAB IS TO REMAIN, MAKE STRAIGHT SAW CUT INTO THE EXISTING STRUCTURE TO PROVIDE A CLEAN BREAK PRIOR TO REMOVAL.
- REMOVE ALL DEBRIS FROM SITE IN ACCORDANCE WITH COUNTY'S STANDARD SPECIFICATIONS REQUIREMENTS FOR WASTE MATERIAL DISPOSAL.
- 2. CONTRACTOR SHALL PHOTO DOCUMENT PLAY EQUIPMENT & SHADE EQUIPMENT IN PLACE PRIOR TO DEMOLITION. CONTRACTOR SHALL PROVIDE REMOVAL DOCUMENTATION TO COUNTY COMPTROLLER AS REMOVED FROM INVENTORY AND CITE METHOD OF DISPOSAL. CONTRACTOR SHALL PHOTO DOCUMENT DISPOSAL AT LOCATION OF DISPOSAL.
- CONTRACTOR TO REMOVE ALL FOOTINGS.
- CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING STRUCTURES MADE DURING DEMOLITION. DAMAGED ITEMS SHALL BE RESTORED OR REBUILT.
- CLEAR GRASS AREA NEEDED FOR CONSTRUCTION AND RESOD DISTURBED AREAS

LIMIT OF WORK

LIMIT OF WORK

SILT FENCE

- 1. EXISTING 8" PVC STORMWATER PIPE (AT 1.0% SLOPE) TO REMAIN (LOCATION APPROXIMATE). CLEAN PIPE TO ENSURE PROPER DRAINAGE FROM PLAY EQUIPMENT TO CATCH BASIN. CONTRACTOR TO CLEAN LINE PRIOR TO RECONNECTION TO PLAYGROUND DRAINAGE.
- LOCATE EXISTING DRAINAGE PIPE, CUT, AND CAP. CONNECT NEW DRAINAGE
- EXISTING WALK TO REMAIN (REPAIR ALL DAMAGE - WHOLE PANELS ONLY, NO PATCHES TYP.)
- EXISTING SAFETY SURFACE AND CONCRETE SLAB TO BE REMOVED (288 SY)
- EXISTING PLAYGROUND EQUIPMENT FOOTINGS TO BE REMOVED TO ACCOMMODATE NEW PLAYGROUND EQUIPMENT INSTALLATION
- EXISTING SHADE STRUCTURE AND FOOTINGS TO BE REMOVED.
- EXISTING FENCE TO REMAIN
- EXISTING FENCE TO BE REMOVED
- ALL EXISTING PLAY EQUIPMENT AND FOOTINGS TO BE REMOVED
- EXISTING FENCE TO REMAIN
- EXISTING FENCE TO BE REMOVED
- EXISTING SAFETY SURFACE AND CONCRETE BASE SLAB TO BE REMOVED (604 SY).

EXISTING FENCING TO REMAIN (TYP)

EXISTING AMENITIES (BENCHES, PICNIC TABLES, ETC) LOCATED OUTSIDE OF LIMIT OF WORK TO REMAIN

EXISTING 6" DRAINAGE PIPE UNDER PLAYGROUND AREA TO BE REMOVED

EXISTING SHADE STRUCTURES AND FOOTINGS TO BE REMOVED.

EXISTING CONCRETE WALKWAY TO BE REPLACED IF DAMAGED DUE TO CONSTRUCTION ACTIVITIES - WHOLE PANELS ONLY, NO PATCHES TYP.

EXISTING FENCING TO BE REMOVED

EXISTING TREES TO REMAIN (TYP.)

EXISTING TREE TO REMAIN

ALL EXISTING 6" DRAINAGE PIPE TO BE REMOVED CUT AND CAP AT LOCATION SHOWN

EXISTING LANDSCAPED ISLANDS: REMOVE VEGETATION & SOIL

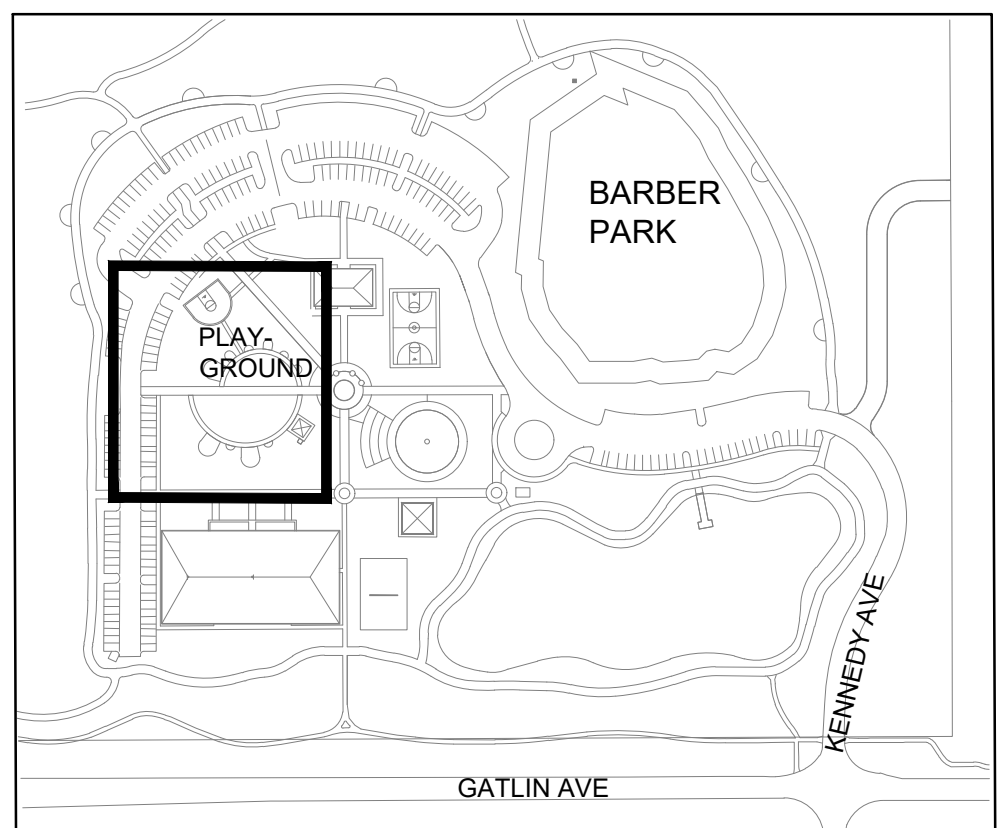
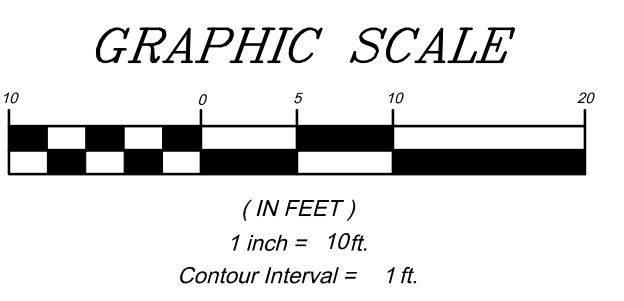
ALL SHADE AMENITIES (LOCATED OUTSIDE OF SAFETY SURFACE AREA) TO REMAIN

EXISTING FENCING TO BE REMOVED

EXISTING WALK TO REMAIN REPAIR ANY DAMAGE IN WHOLE PANELS, TYPICAL

EXISTING CONCRETE WALKWAY TO REMAIN (REPAIR ANY DAMAGE IN WHOLE PANELS, TYPICAL)

ALL PLAYGROUND EQUIPMENT FOOTINGS TO BE REMOVED



KEY MAP
NTS

NO.	DATE	REVISION
3	08/17/2018	Addendum 1
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

ADC
ARCHITECTURAL DESIGN
COLLABORATIVE
945 N. PENNSYLVANIA AVENUE
WINTER PARK, FLORIDA 32789
(407) 929-1188

TEAM Engineering, LLC
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2215 WEMBLEY PLACE
ORLANDO, FL 32765
(407) 267-8905
COA-28813

JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935

**ORANGE COUNTY
GOVERNMENT
FLORIDA**

**BARBER PARK
PLAYGROUND
IMPROVEMENTS**
3701 GATLIN AVENUE, ORLANDO, FL 32812

DEMOLITION PLAN - PLAYGROUND

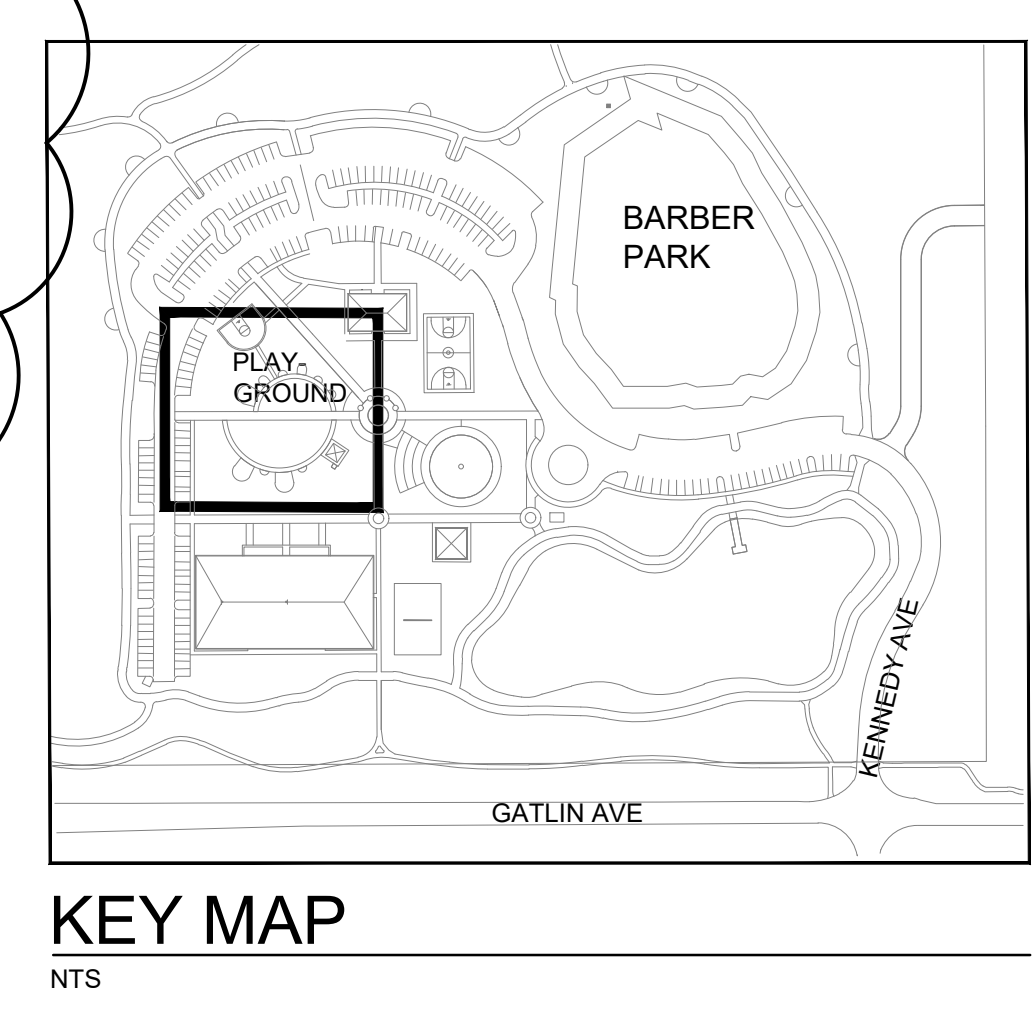
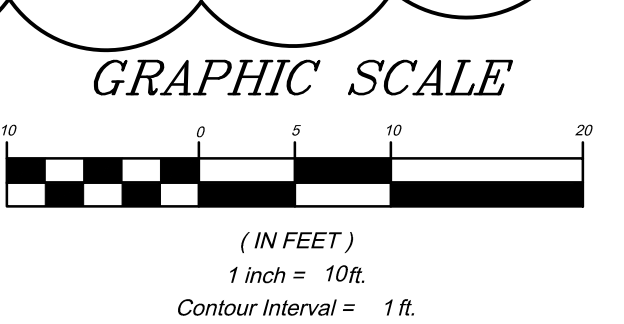
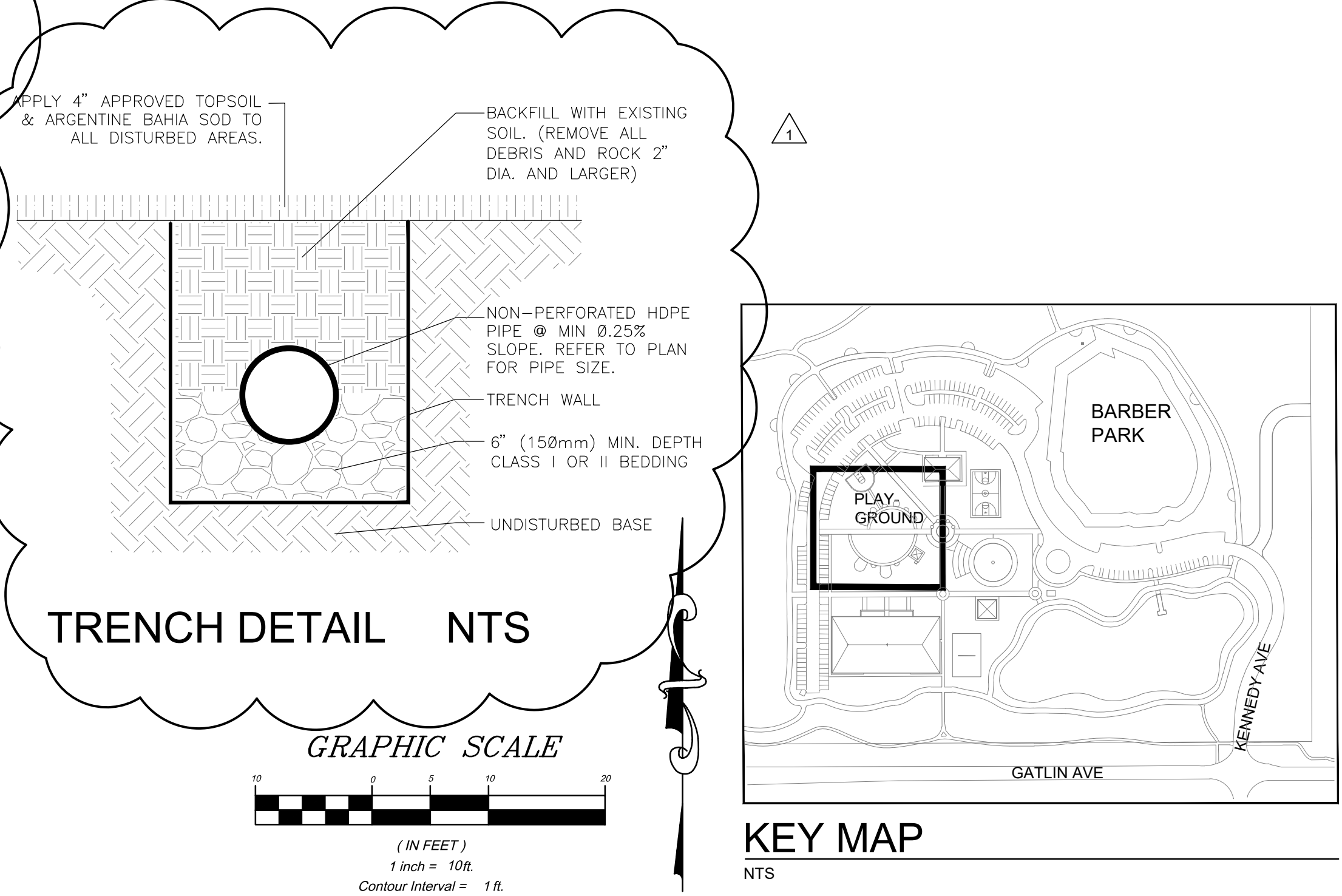
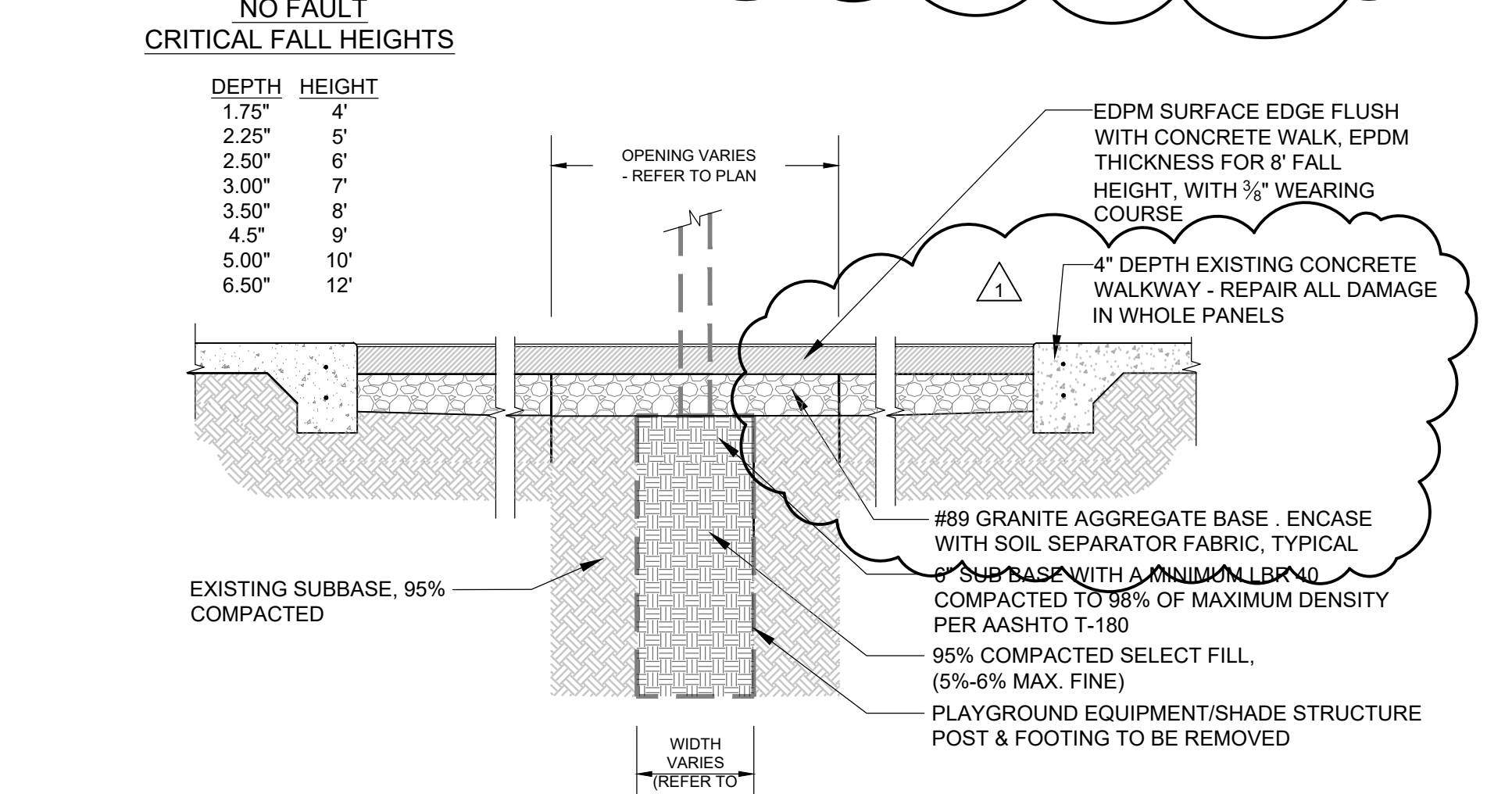
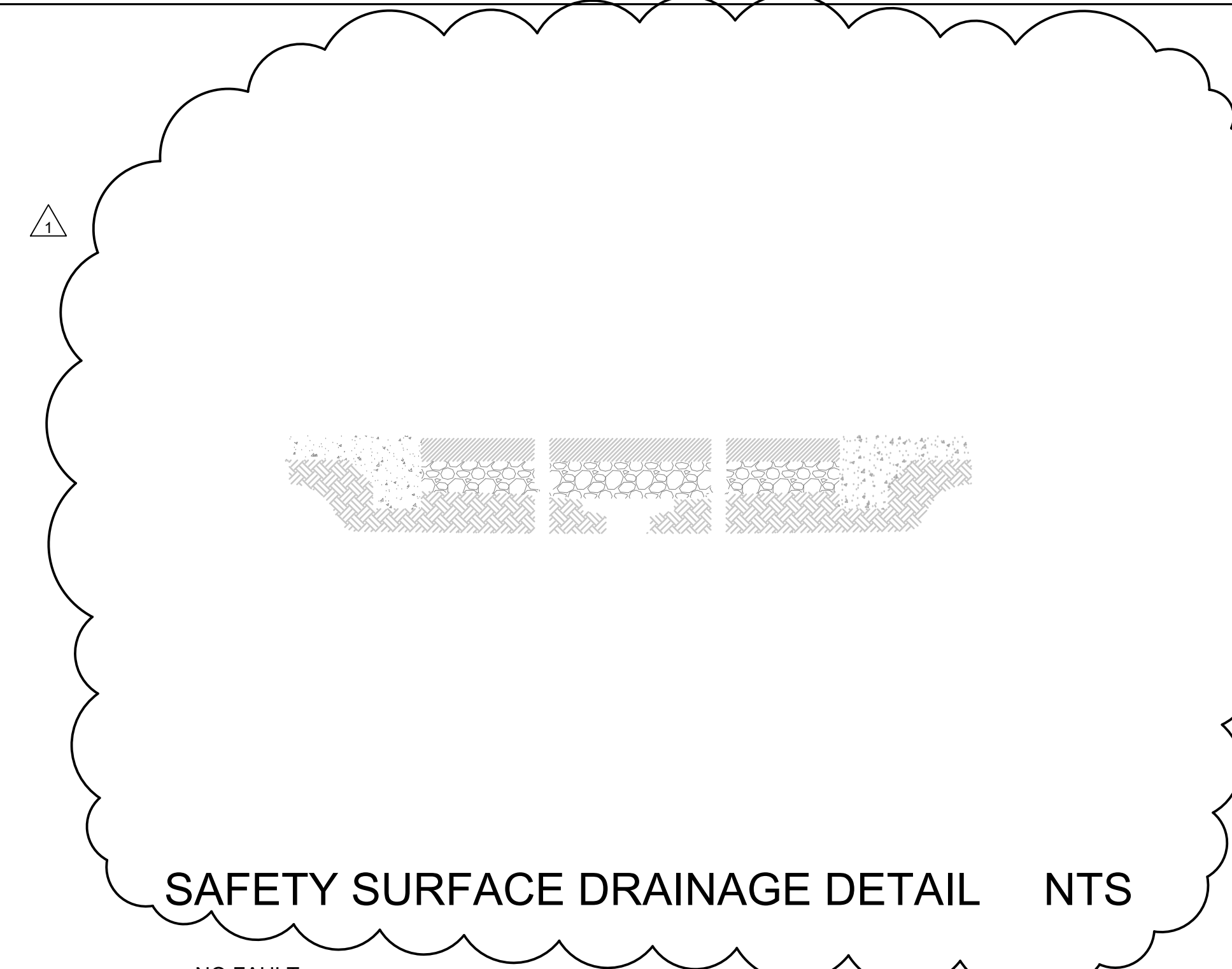
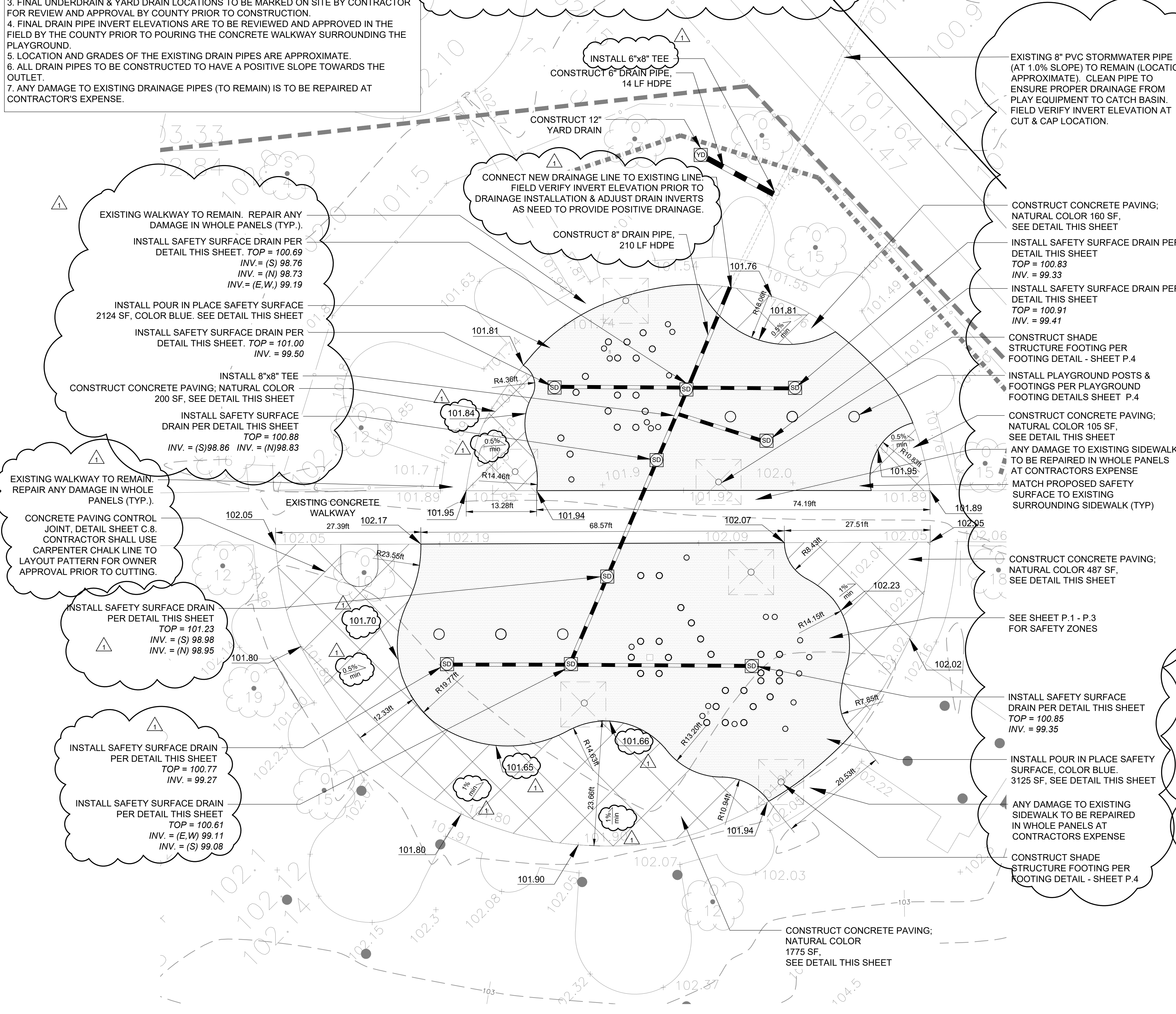
SHEET NUMBER
C. 4
OF 19 SHEETS

S:\ACTIVE PROJECT FILES\170033_BARBER PARK SPLASH PAD_ORLANDO\CADD\DWG\LAYOUTS\170033_DEMO-GRADING-PLAYGROUND.DWG

NOTES:

- CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS UPON REMOVAL OF POURED IN PLACE SAFETY SURFACE INCLUDING, BUT NOT LIMITED TO, EXISTING DRAIN PIPE INVERT ELEVATIONS, FINISH SURFACE GRADES OF EXISTING POURED IN PLACE CONCRETE BASE, AND TOPS OF EXISTING FOOTINGS TO REMAIN. CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS UPON REMOVAL OF POURED IN PLACE SAFETY SURFACE INCLUDING, BUT NOT LIMITED TO: EXISTING DRAIN PIPE INVERT ELEVATIONS, FINISH SURFACE GRADES OF EXISTING POURED IN PLACE CONCRETE BASE, AND TOPS OF EXISTING FOOTINGS TO REMAIN.
- LOCATION AND GRADES OF THE EXISTING DRAIN PIPES ARE APPROXIMATE.
- FINAL UNDERDRAIN & YARD DRAIN LOCATIONS TO BE MARKED ON SITE BY CONTRACTOR FOR REVIEW AND APPROVAL BY COUNTY PRIOR TO CONSTRUCTION.
- FINAL DRAIN PIPE INVERT ELEVATIONS ARE TO BE REVIEWED AND APPROVED IN THE FIELD BY THE COUNTY PRIOR TO POURING THE CONCRETE WALKWAY SURROUNDING THE PLAYGROUND.
- LOCATION AND GRADES OF THE EXISTING DRAIN PIPES ARE APPROXIMATE.
- ALL DRAIN PIPES TO BE CONSTRUCTED TO HAVE A POSITIVE SLOPE TOWARDS THE OUTLET.
- ANY DAMAGE TO EXISTING DRAINAGE PIPES (TO REMAIN) IS TO BE REPAIRED AT CONTRACTOR'S EXPENSE.

- ANY DRAINAGE PIPE RELOCATION IS TO BE COORDINATED WITH THE PLAYGROUND AND SHADE STRUCTURE INSTALLERS.
- DRAINAGE PIPE INSTALLATION TO BE FIELD DOCUMENTED WITH DIGITAL PHOTOGRAPHS. PHOTOGRAPHS TO BE DELIVERED TO COUNTY PRIOR TO POURING CONCRETE WALKWAY AND FOOTINGS.
- MAXIMUM SLOPE OF THE POURED IN PLACE SAFETY SURFACE (EDPM) TO BE 2%.
- MAXIMUM SLOPE OF THE CONCRETE WALKWAY SURROUNDING THE PLAYGROUND TO BE 2%.
- CONTRACTOR TO SUBMIT A CONCRETE JOINT LAYOUT PLAN FOR APPROVAL BY COUNTY PRIOR TO POURING CONCRETE WALKWAYS. ALL SAW CUTS SHALL BE WET CUT.
- SUBGRADE AT DRAIN SHALL BE INSPECTED PRIOR TO AGGREGATE BASE INSTALLATION.



NO.	DATE	REVISION
3	08/17/2018	Addendum 1
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

ADC
 ARCHITECTURAL DESIGN
 COLLABORATIVE
 945 PENNSYLVANIA AVENUE
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 CCA-298115

JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG. PROF. ENGINEER No.: 49935

ORANGE COUNTY GOVERNMENT FLORIDA

BARBER PARK
 PLAYGROUND IMPROVEMENTS
 3701 GATLIN AVENUE, ORLANDO, FL 32812

S:\ACTIVE PROJECT FILES\170033-BARBER PARK SPLASH PAD_ORLANDO\CADD\DWG\LAYOUTS\170033_DEMO-GRADING-PLAYGROUND.DWG

PLOT DATE: 2018-08-17



EXISTING CONCRETE WALKWAY TO REMAIN. CUT AT EXISTING JOINT, TYPICAL.

SAW CUT AND REMOVE EXISTING 10 FT. WIDE CONCRETE SIDEWALK (2525 S.F.)

REMOVE CONCRETE PAD (140 S.F.)

NEW CONCRETE PICNIC PAD

SAW CUT AND REMOVE TYPE D CONCRETE CURB (305 L.F.)

DEMOLITION PLAN KEYED NOTES

CONTRACTOR SHALL OBTAIN ADVANCE APPROVAL FROM PROJECT ENGINEERS FOR DIMENSIONS AND LIMITS OF DEMOLITION WORKS.

WHERE EXISTING PAVEMENT, CURB OR CONCRETE SLAB IS TO REMAIN, MAKE STRAIGHT SAW CUT INTO THE EXISTING STRUCTURE TO PROVIDE A CLEAN BREAK PRIOR TO REMOVAL.

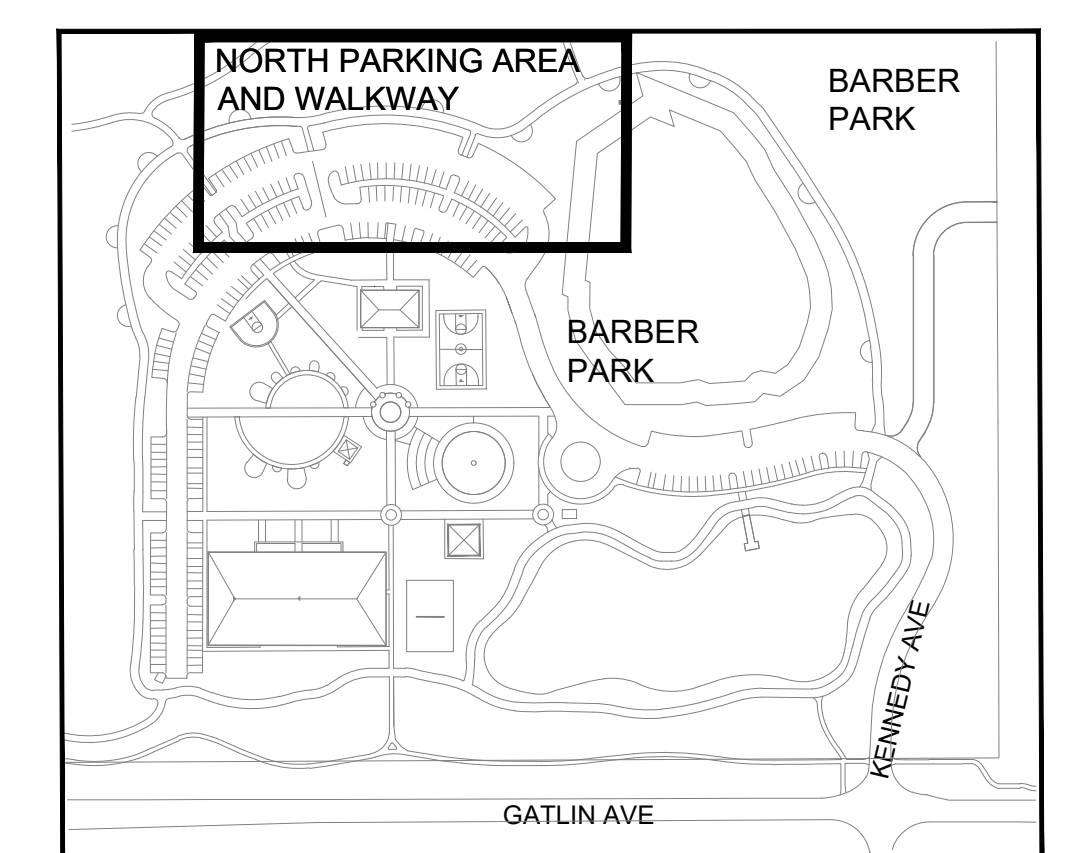
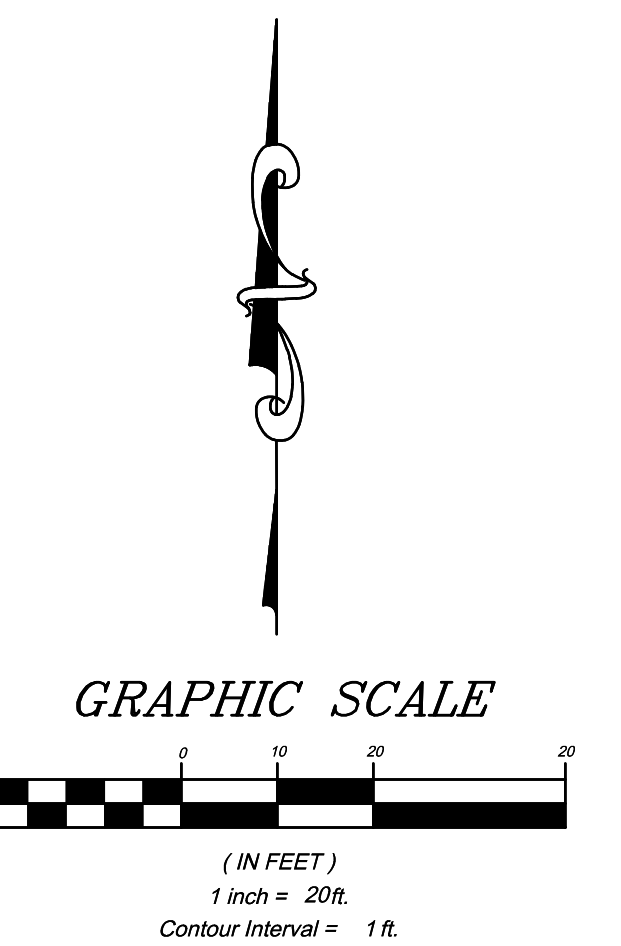
REMOVE ALL DEBRIS FROM SITE IN ACCORDANCE WITH COUNTY'S STANDARD SPECIFICATIONS REQUIREMENTS FOR WASTE MATERIAL DISPOSAL.

CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING STRUCTURES MADE DURING DEMOLITION. DAMAGED ITEMS SHALL BE RESTORED OR REBUILT.

CLEAR GRASS AREA NEEDED FOR CONSTRUCTION AND RESOD DISTURBED AREAS

NOTE:
ALL DEMOLITION WORK SHOWN ON THIS SHEET TO BE INCLUDED IN ADDITIVE ITEM 1

ADDITIVE 1 - NORTH PARKING AREA & WALKWAY



KEY MAP
NTS

NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	
1	06/09/2017	
		Addendum 1 100% Submission 60% Submission

ADC
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5615 PENNSYLVANIA AVENUE
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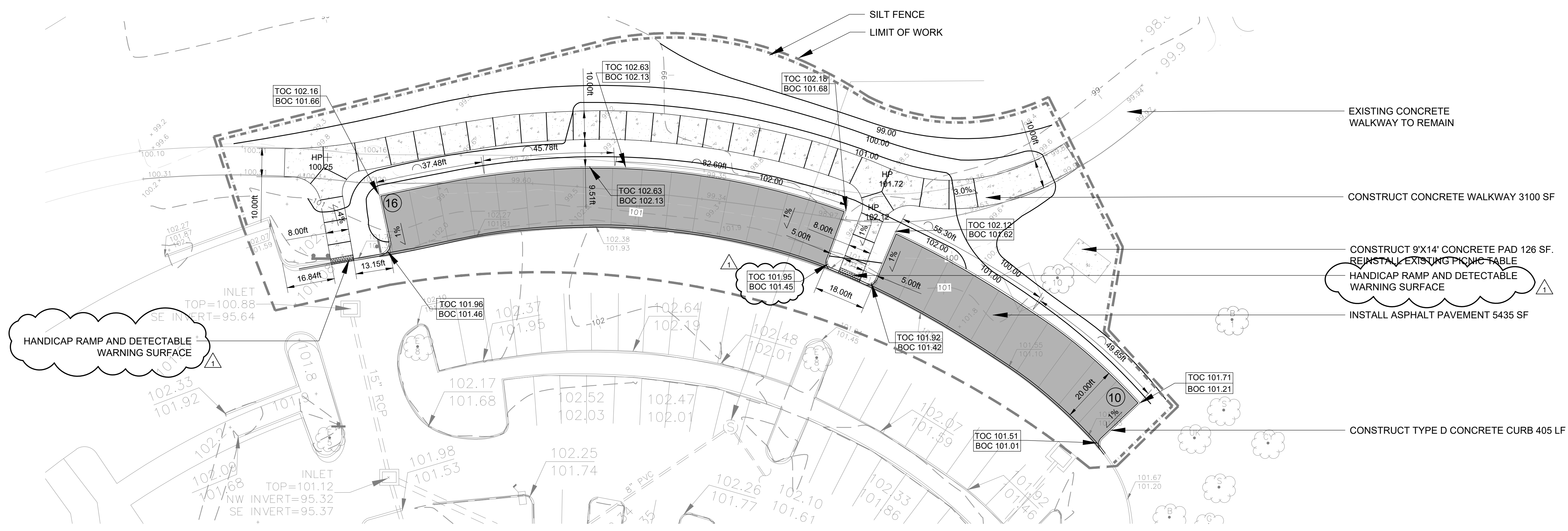
**ORANGE COUNTY
GOVERNMENT
FLORIDA**

BARBER PARK
PLAYGROUND
IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

DEMOLITION PLAN - PARKING AREA
ADDITIVE ONE

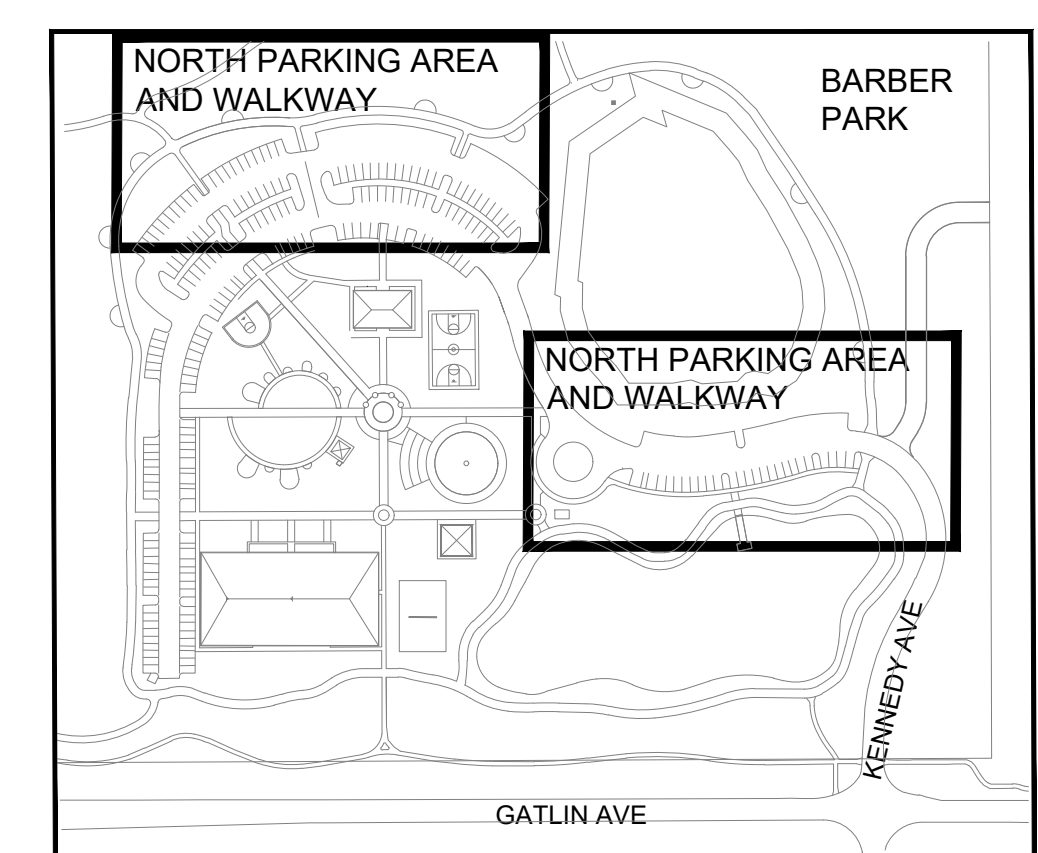
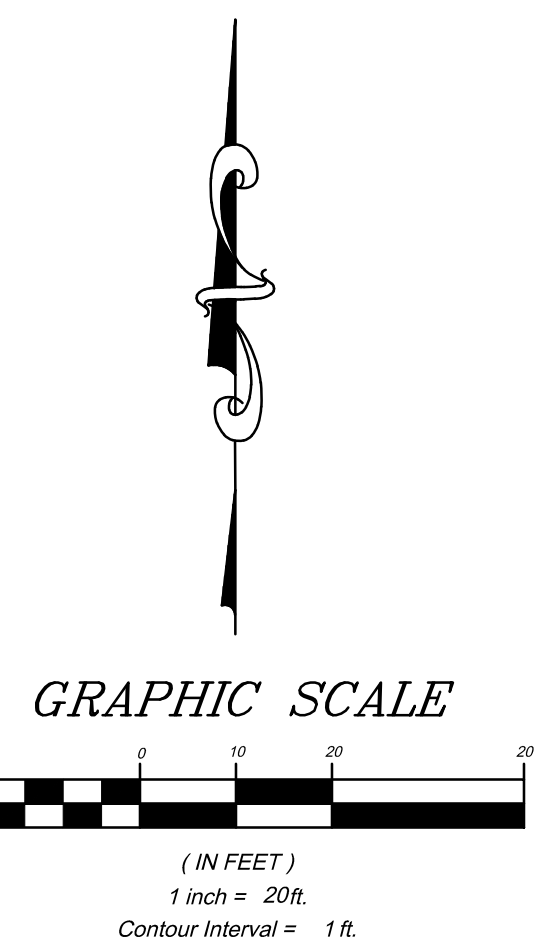
SHEET NUMBER
C. 6
OF 19 SHEETS

S:\ACTIVE PROJECT FILES\170033_BARBER PARK SPLASH PAD_ORLANDO\CADD\DWG\LAYOUTS\170033_DEMO-GRADING-PLAYGROUND.DWG



NOTES:
 1. ALL PAVING AND SIDEWALK WORK SHOWN ON THIS SHEET TO BE INCLUDED IN ADDITIVE ITEM 1
 2. ALL SIDEWALKS TO HAVE A MAXIMUM RUNNING SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%

ADDITIVE 1 - NORTH PARKING AREA & WALKWAY



ADDITIVE 1 - SOUTH PARKING AREA AND WALKWAY

KEY MAP
 NTS

PLOT DATE: 2018-08-17

NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	
1	06/09/2017	
		ADDENDUM 1
		100% Submission
		60% Submission

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TEAM Engineering, LLC
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 2215 WEMBLEY PLACE
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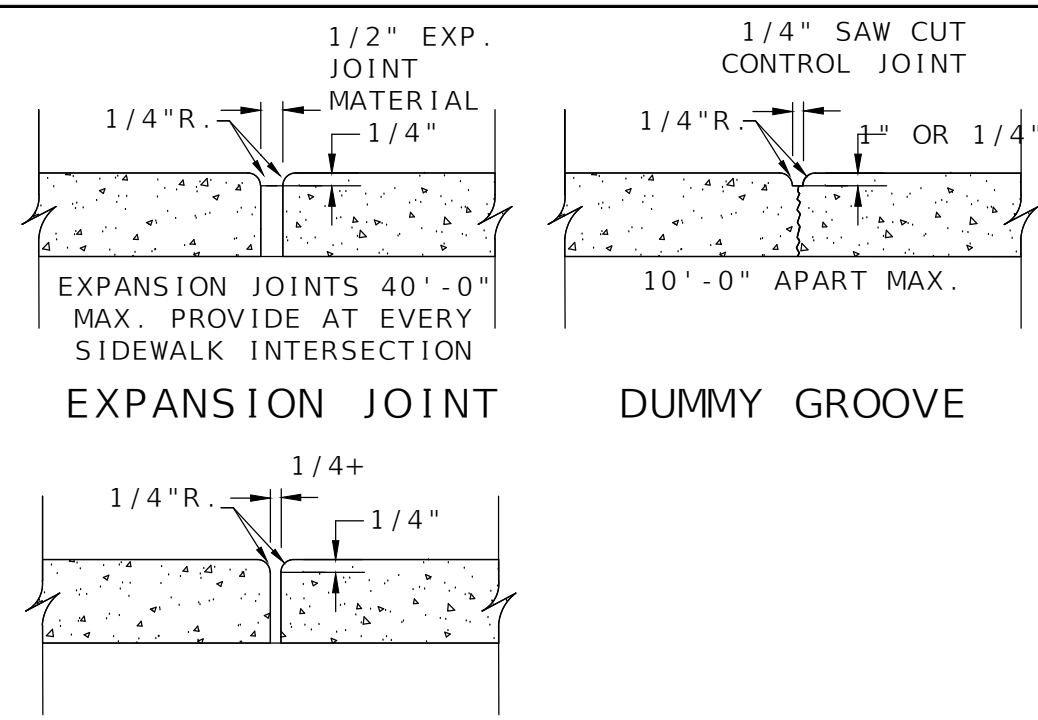
JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
 PROF. ENGINEER No.: 49935

**ORANGE COUNTY
 GOVERNMENT
 FLORIDA**

BARBER PARK
 PLAYGROUND
 IMPROVEMENTS
 3701 GATLIN AVENUE, ORLANDO, FL 32812

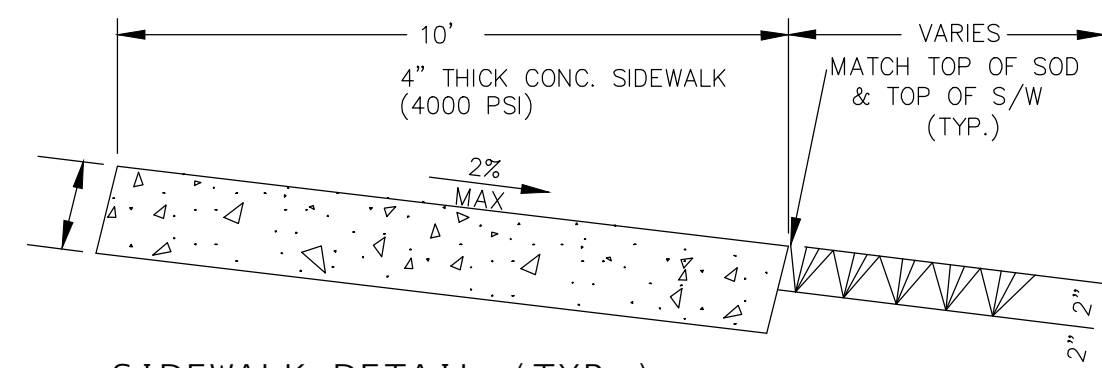
**GRADING PLAN - PARKING AREA
 ADDITIVE ONE**

SHEET NUMBER
C.7
 OF 19 SHEETS

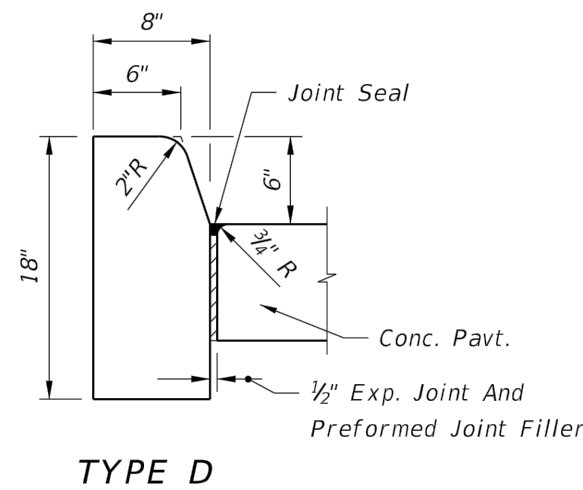


EXPANSION JOINT

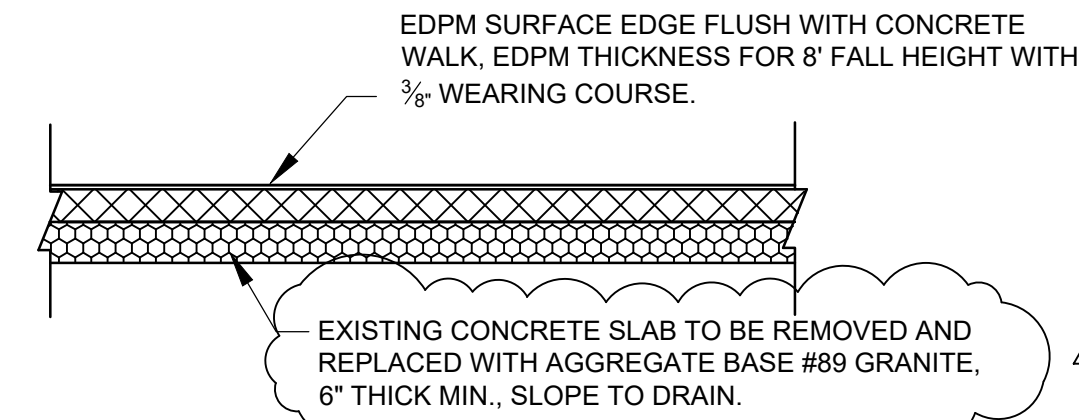
DUMMY GROOVE



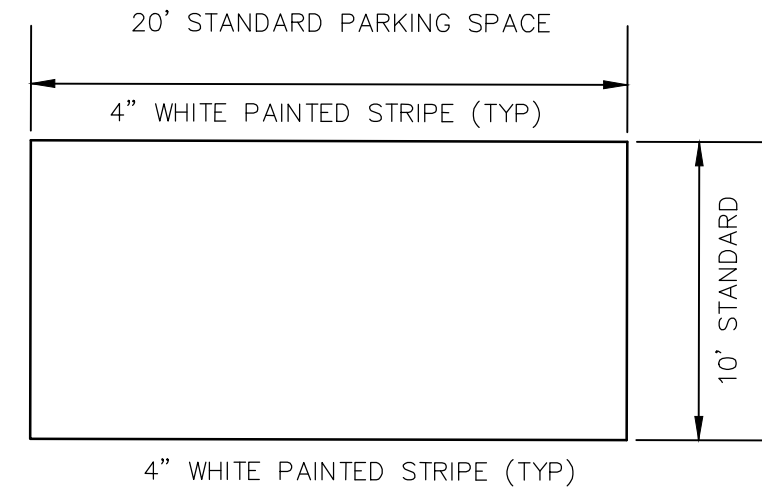
01 CONCRETE WALK DETAILS
NTS



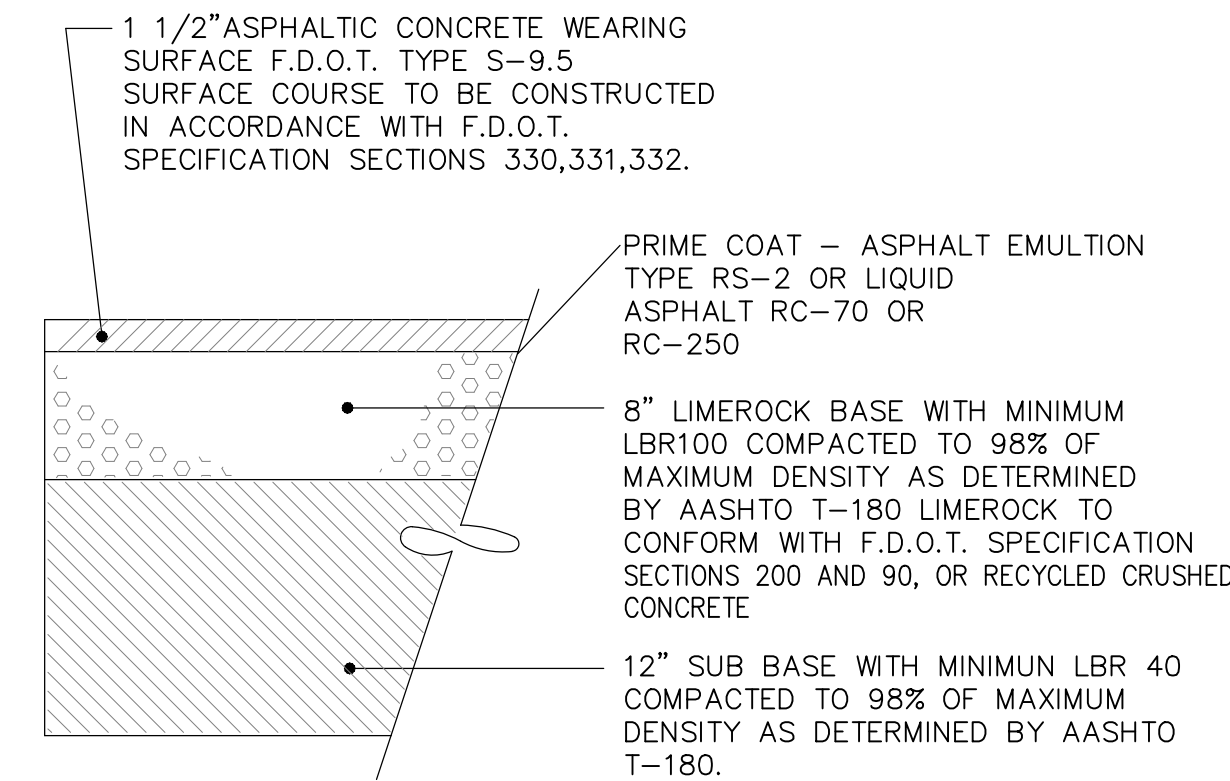
06 CONCRETE CURB AND GUTTER DETAIL
NTS



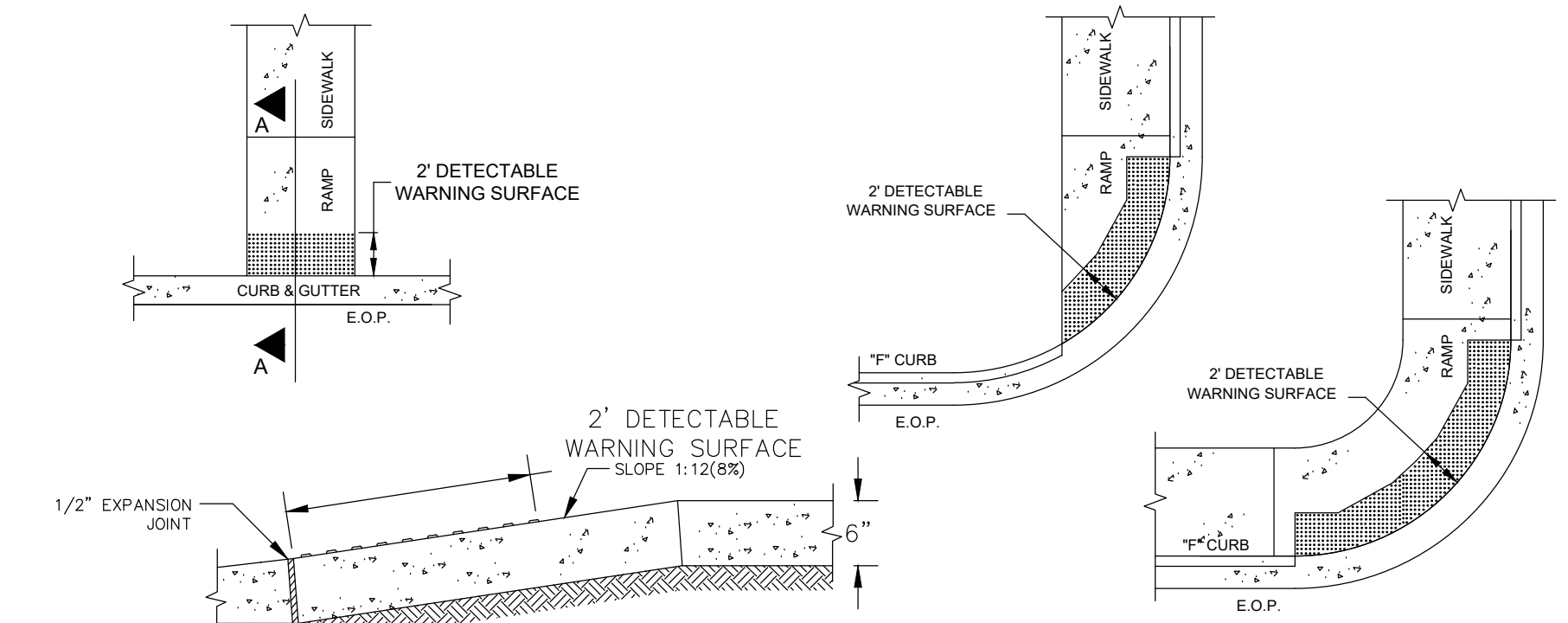
02 EPDM TYPICAL SAFETY SURFACE WEAR COURSE APPLICATION
NTS



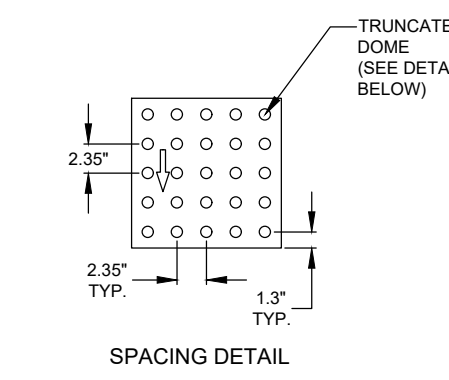
03 TYP PARKING SPACE DETAIL
NTS



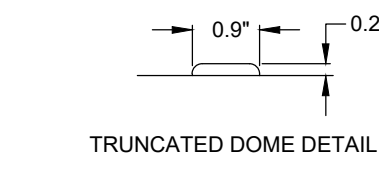
04 ASPHALT PAVEMENT
NTS



SECTION A



SPACING DETAIL



TRUNCATED DOME DETAIL

NOTES:

1. THE INTENT OF THE DETECTABLE SURFACE IS TO WARN THAT THE NEXT STEP BEYOND THE SURFACE WILL PUT THE PEDESTRIAN IN JEOPARDY WITH VEHICULAR TRAFFIC. A 2-FOOT STRIP OF WARNING SURFACE, EXTENDING ACROSS THE FULL WIDTH OF THE SIDEWALK IS REQUIRED IN THE DIRECTION OF PEDESTRIAN TRAVEL. EXISTING CONDITIONS AND VARIATIONS IN EXISTING SIDEWALK PATTERNS MAY MAKE IT DIFFICULT TO FOLLOW THIS LAYOUT PRECISELY. IF THIS OCCURS, THE CONTRACTOR SHALL PROPOSE, AND REVIEW WITH THE COUNTY, ADJUSTMENTS TO THIS LAYOUT PRIOR TO INSTALLATION. ANY DEVIATIONS WITHOUT PRIOR APPROVAL BY THE COUNTY SHALL BE CORRECTED AS DIRECTED.
2. DETECTABLE WARNING SURFACE SHALL BE COMPRISED OF RESINS, REACTIVE MONOMERS OR SIMILAR MATERIALS WITH PIGMENTS ADDED FOR COLOR.
3. SURFACES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. COLOR TO BE YELLOW UNLESS OTHERWISE DIRECTED BY THE COUNTY.
5. SUBMIT MANUFACTURER'S LITERATURE/SAMPLES FOR COUNTY APPROVAL.

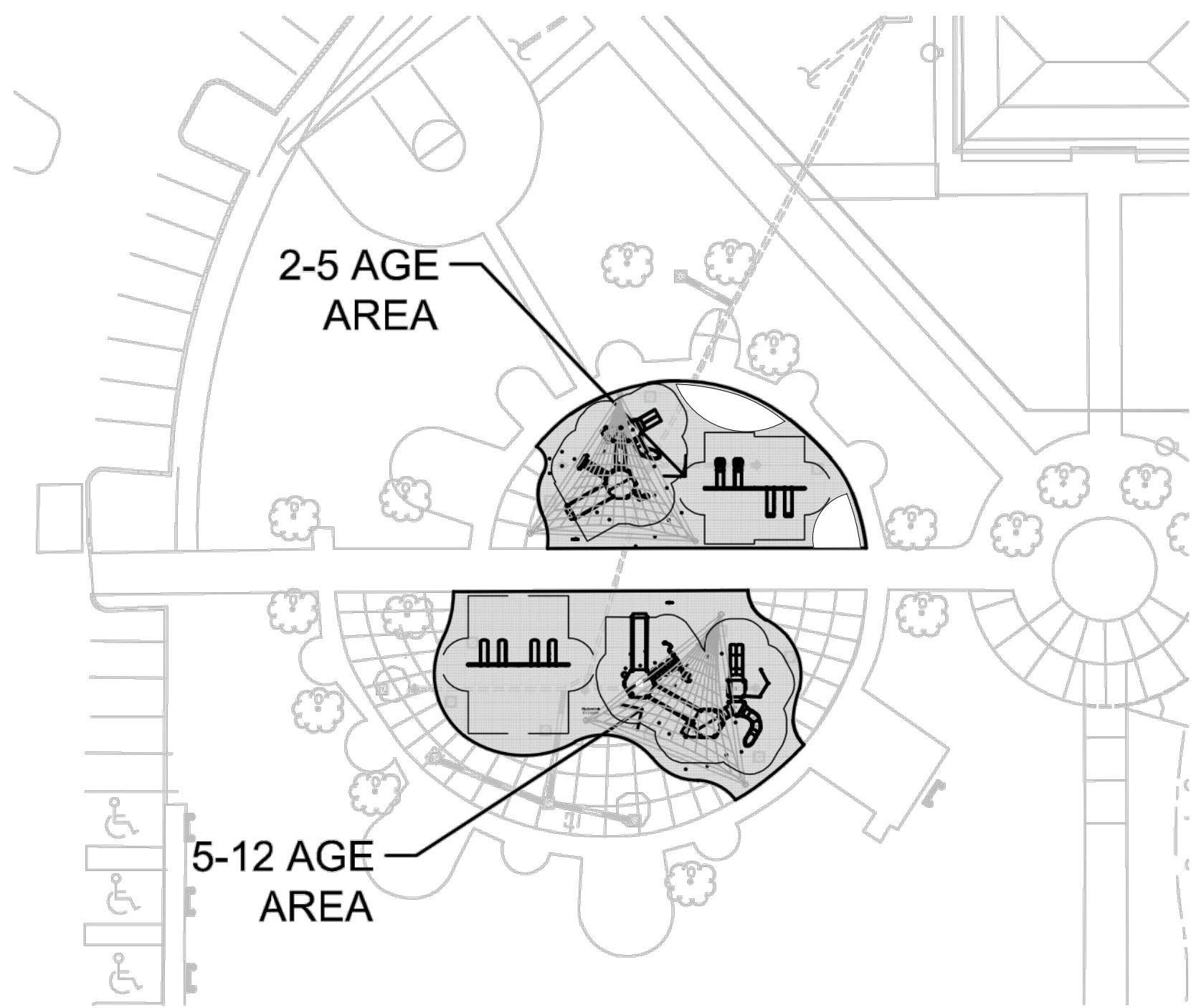
05 HANDICAP RAMP AND DETECTABLE WARNING SURFACE DETAILS
NTS

NO.	DATE	REVISION
4	05/04/2018	Revised per County Comments
3	11/17/2017	Revisions per Health Department Comments
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

S:\ACTIVE PROJECT FILES\1700333_BARBER PARK SPLASH PAD\ORLANDO\CADD\DWG\LAYOUTS\1700333_LAYOUT-PLAYGROUND.DWG

QTY. POST/ARCH LENGTHS

4	A	108" Alum Post DB
5	B	100" Alum Post DB
1	C	92" Alum Post DB
4	D	84" Alum Post DB
2	E	76" Alum Post DB



SITE LOCATION MAP

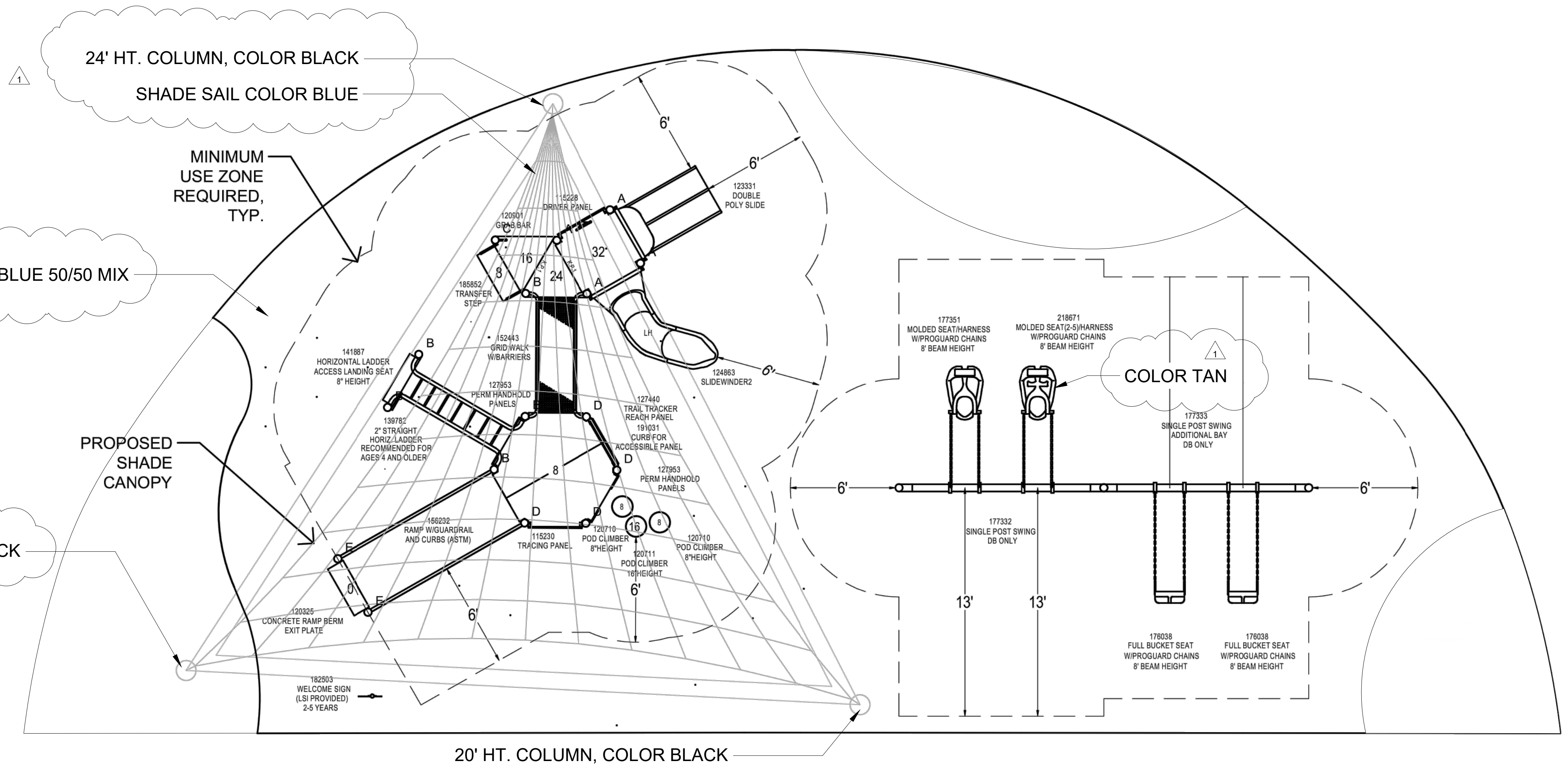
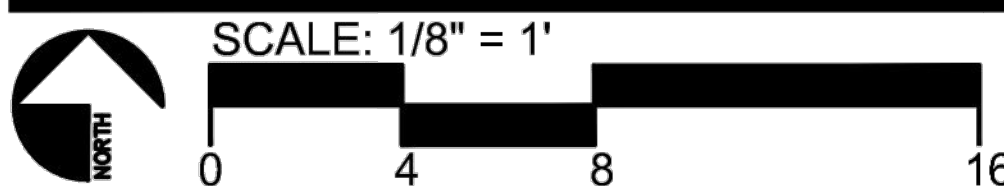
NOT TO SCALE

*SEE SHEET P-3 FOR SITE LOCATION MAP ENLARGEMENT

GENERAL NOTES:

- EQUIPMENT LOCATION TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION
- BASE MUST EXHIBIT POSITIVE DRAINAGE IN ALL AREAS

NOT FOR CONSTRUCTION



2-5 AGE AREA

TOTAL PLAY COMPONENTS: 2-5 AGE AREA - 14
5-12 AGE AREA - 19

BASIS OF DESIGN:

- LANDSCAPE STRUCTURES: REP SERVICES, NATHAN ALMON / MARY LANGLEY 407-832-9658
- LITTLE TYKES COMMERCIAL, PLAYWORX, TRACY GILL; TRACY@PLAYWORX.COM
- PLAYWORLD, PLAYMORE RECREATIONAL PRODUCTS AND SERVICES, ANNE KENNEDY-KRIEGER, ANNEK@PLAYMOREONLINE.COM

2-5 AGE AREA	
TOTAL ELEVATED PLAY COMPONENTS	8
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	4 <u>REQUIRED</u> 4
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	8 <u>REQUIRED</u> 4
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6 <u>REQUIRED</u> 3
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3 <u>REQUIRED</u> 3

5-12 AGE AREA	
TOTAL ELEVATED PLAY COMPONENTS	12
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	9 <u>REQUIRED</u> 6
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	12 <u>REQUIRED</u> 6
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	7 <u>REQUIRED</u> 4
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3 <u>REQUIRED</u> 3

Playground equipment meets the requirements of FBC Accessibility Code, Table 240.2.1.2

SURFACING 2-5 AGE AREA

2124 SF
POURED-IN-PLACE
8' FALL HEIGHT

SHEET NO.
P-1
PAPER SIZE
B

RSI PROJ: 11917
DRAWING: 11917-1-5

Barber Park Inclusive Play

Orlando, FL

PLOT DATE: 2018-08-17

NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

ADC
ARCHITECTURAL DESIGN
COLLABORATIVE
945 N. PENNSYLVANIA AVENUE
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ORLANDO, FL 32765
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JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935

ORANGE COUNTY GOVERNMENT FLORIDA

BARBER PARK PLAYGROUND IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

PLAYGROUND COMPONENTS

SHEET NUMBER
P . 1
OF 19 SHEETS

S:\ACTIVE PROJECT FILES\170033_BARBER PARK SPLASH PAD\LANDSCAPE\170033_LAYOUT_PLAYGROUND.DWG

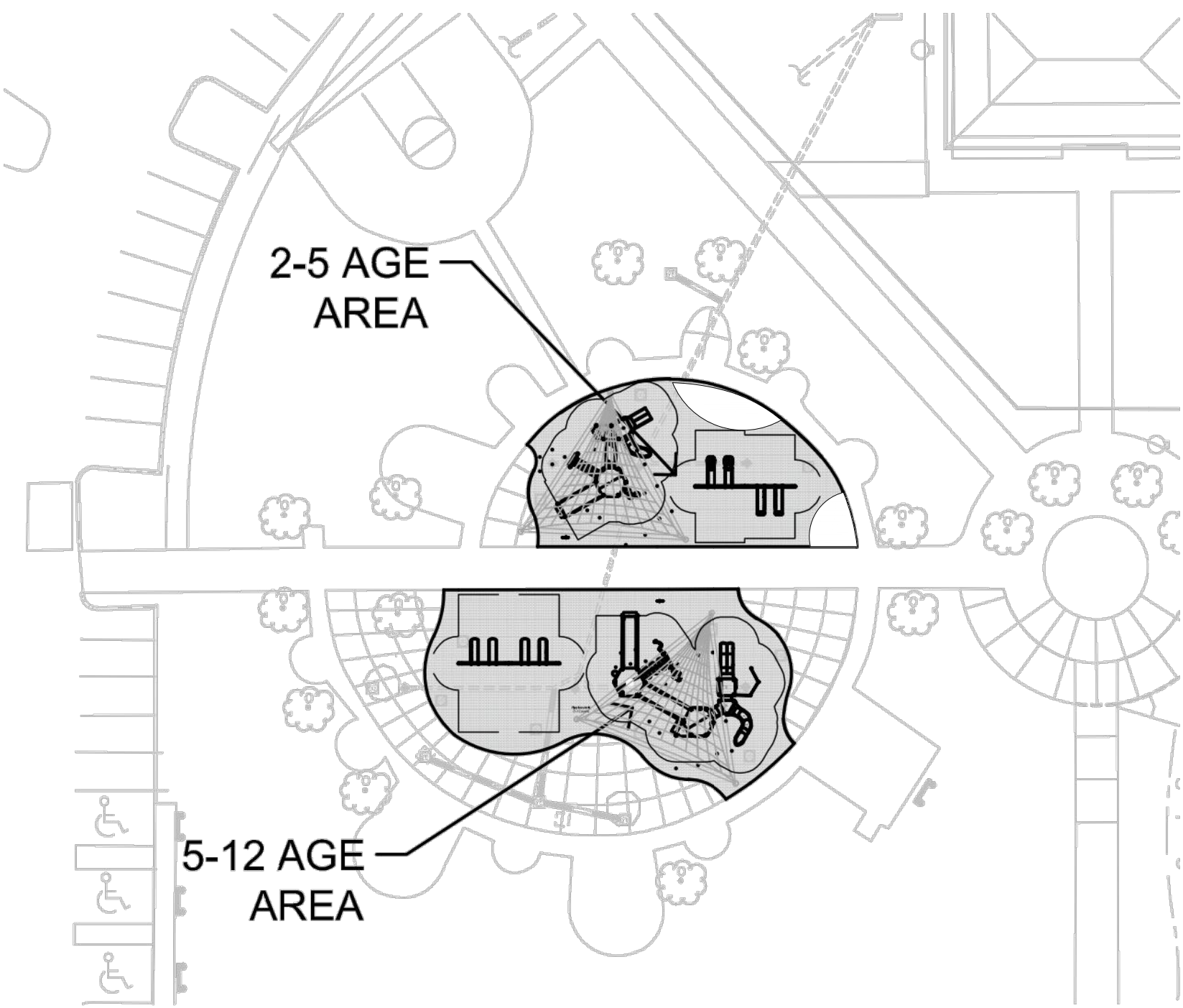
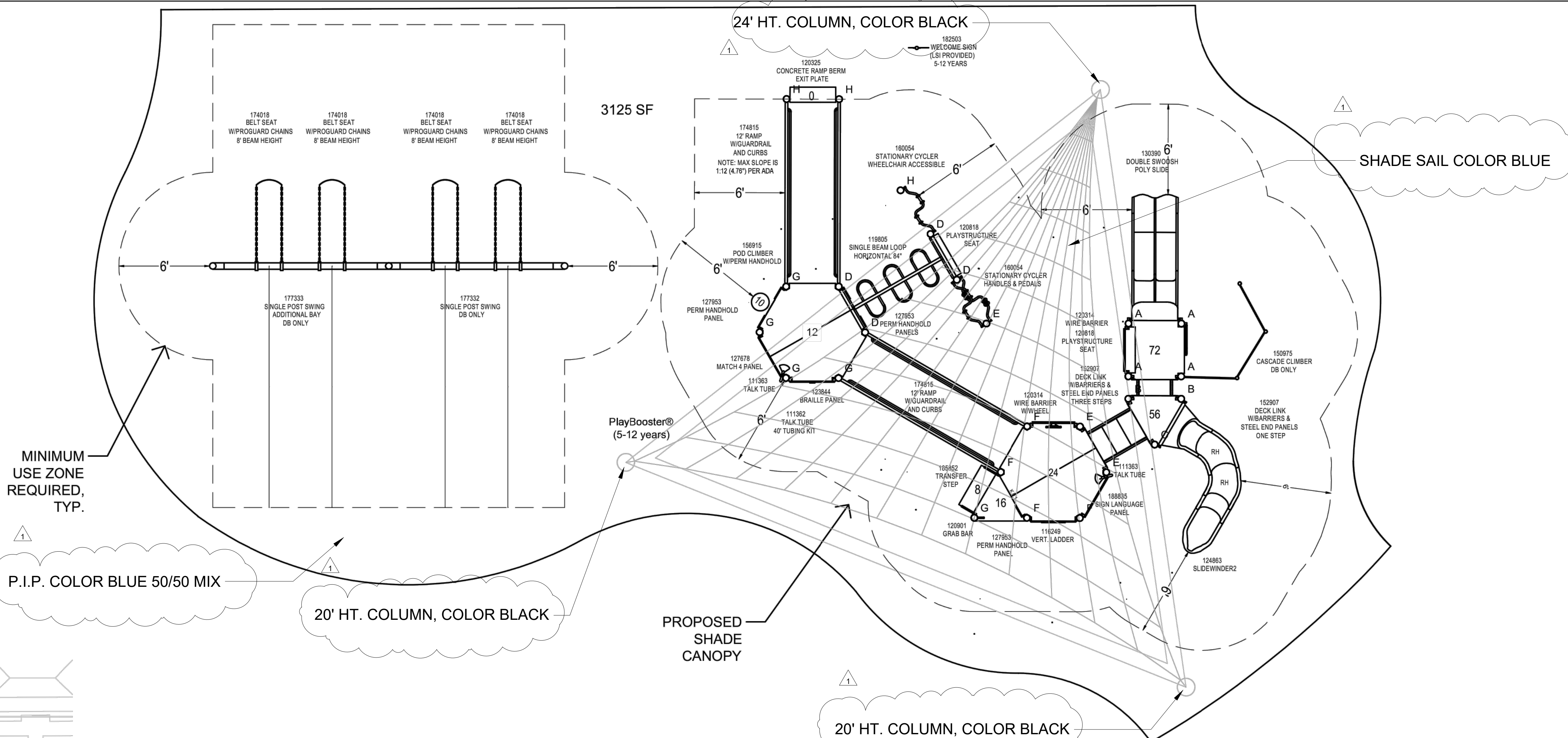
QTY. POST/ARCH LENGTHS

4	A	148" Alum Post DB
2	B	140" Alum Post DB
1	C	132" Alum Post DB
4	D	116" Alum Post DB
3	E	108" Alum Post DB
4	F	100" Alum Post DB
5	G	92" Alum Post DB
3	H	76" Alum Post DB

SURFACING AREA
 2124 SF
 POURED-IN-PLACE
 8' FALL HEIGHT

GENERAL NOTES:

- EQUIPMENT LOCATION TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION
- BASE MUST EXHIBIT POSITIVE DRAINAGE IN ALL AREAS

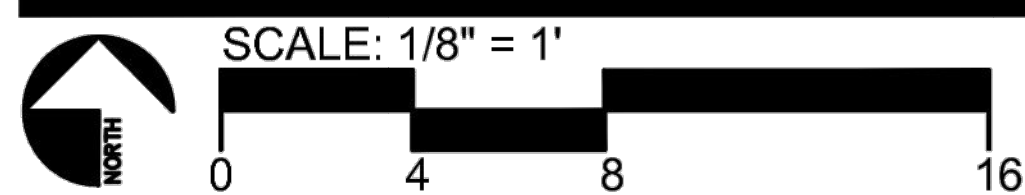


SITE LOCATION MAP

NOT TO SCALE

*SEE SHEET P-3 FOR
 SITE LOCATION MAP
 ENLARGEMENT

NOT FOR CONSTRUCTION



5-12 AGE AREA

TOTAL PLAY COMPONENTS: 2-5 AGE AREA - 14
 5-12 AGE AREA - 19

BASIS OF DESIGN:

- LANDSCAPE STRUCTURES; REP SERVICES, NATHAN ALMON / MARY LANGLEY 407-832-9658
- LITTLE TYKES COMMERCIAL, PLAYWORX, TRACY GILL; TRACY@PLAYWORX.COM
- PLAYWORLD, PLAYMORE RECREATIONAL PRODUCTS AND SERVICES, ANNE KENNEDY-KRIEGER, ANNEK@PLAYMOREONLINE.COM

2-5 AGE AREA	
TOTAL ELEVATED PLAY COMPONENTS	8
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	4 <u>REQUIRED</u> 4
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	8 <u>REQUIRED</u> 4
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6 <u>REQUIRED</u> 3
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3 <u>REQUIRED</u> 3
5-12 AGE AREA	
TOTAL ELEVATED PLAY COMPONENTS	12
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	9 <u>REQUIRED</u> 6
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	12 <u>REQUIRED</u> 6
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	7 <u>REQUIRED</u> 4
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3 <u>REQUIRED</u> 3

Playground equipment meets the requirements of FBC Accessibility Code, Table 240.2.1.2

SHEET NO.
P-2
 PAPER SIZE
B

Barber Park Inclusive Play
 Orlando, FL

RSI PROJ: 11917
 DRAWING: 11917-1-5

PLOT DATE: 2018-08-17

3	08/17/2018	
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission
NO.	DATE	REVISION

ADC
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 945 N. PENNSYLVANIA AVENUE
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 (407) 267-8905
 CCA-29813

JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
 PROF. ENGINEER No.: 49935

ORANGE COUNTY GOVERNMENT FLORIDA

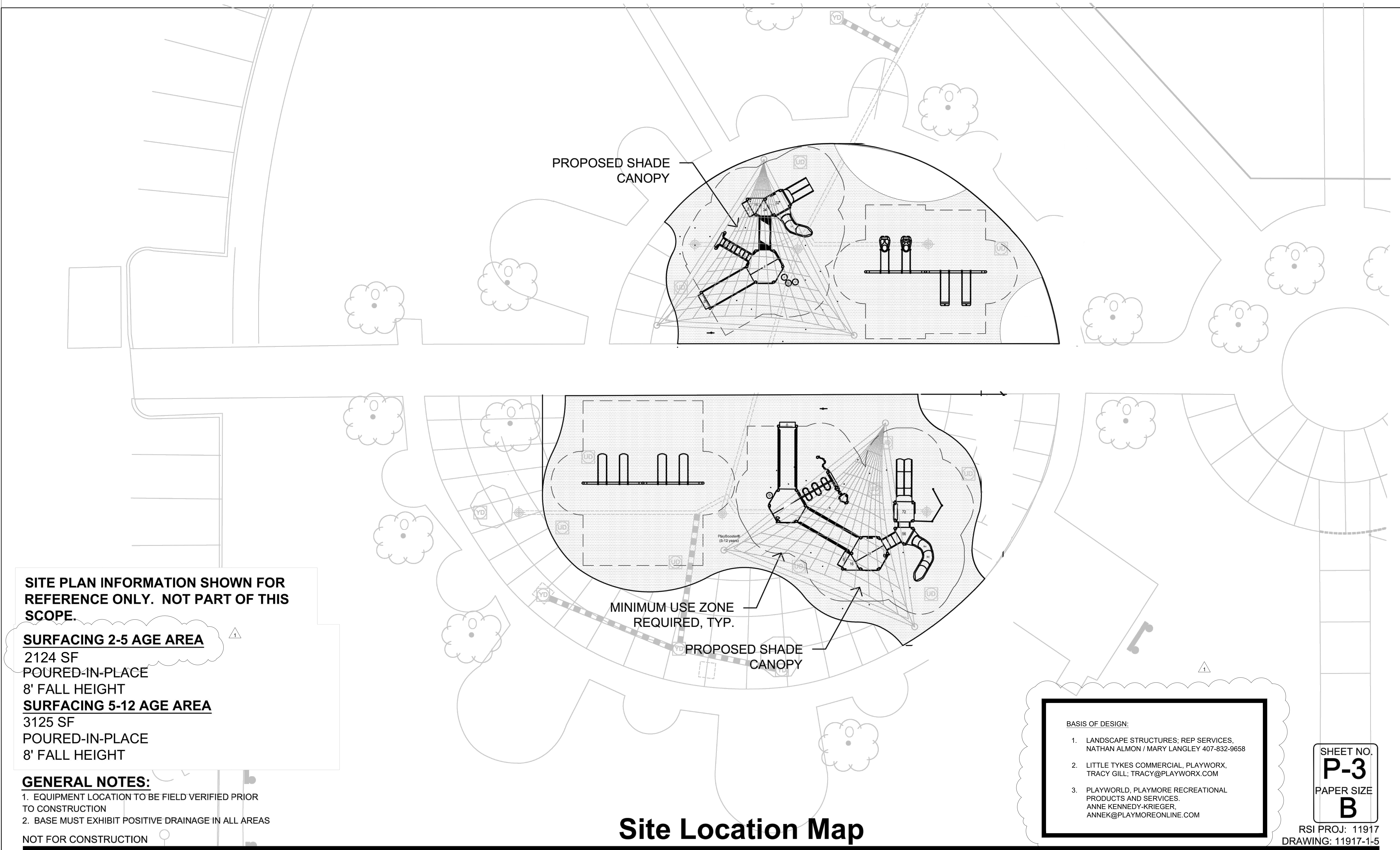
BARBER PARK
 PLAYGROUND IMPROVEMENTS
 3701 GATLIN AVENUE, ORLANDO, FL 32812

PLAYGROUND LAYOUT & COMPONENTS

SHEET NUMBER
P. 2
 OF 19 SHEETS

S:\ACTIVE PROJECT FILES\170033_BARBER PARK SPLASH PAD_01\DWG\PLAYGROUND_LAYOUT\170033_LAYOUT_PLAYGROUND.DWG

PLOT DATE: 2018-08-17



SITE PLAN INFORMATION SHOWN FOR REFERENCE ONLY. NOT PART OF THIS SCOPE.

SURFACING 2-5 AGE AREA

2124 SF
POURED-IN-PLACE
8' FALL HEIGHT

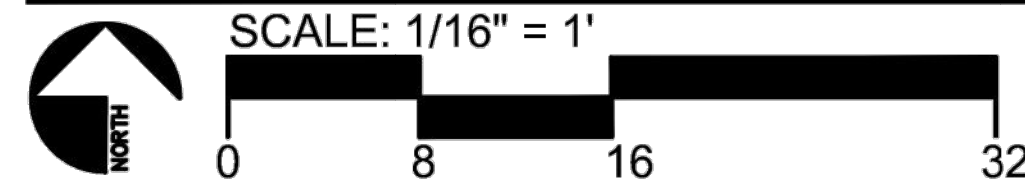
SURFACING 5-12 AGE AREA

3125 SF
POURED-IN-PLACE
8' FALL HEIGHT

GENERAL NOTES:

1. EQUIPMENT LOCATION TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION
2. BASE MUST EXHIBIT POSITIVE DRAINAGE IN ALL AREAS

NOT FOR CONSTRUCTION



BASIS OF DESIGN:

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2. LITTLE TYKES COMMERCIAL, PLAYWORX, TRACY GILL; TRACY@PLAYWORX.COM
3. PLAYWORLD, PLAYMORE RECREATIONAL PRODUCTS AND SERVICES, ANNE KENNEDY-KRIEGER, ANNEK@PLAYMOREONLINE.COM

SHEET NO.
P-3
PAPER SIZE
B

RSI PROJ: 11917
DRAWING: 11917-1-5

Site Location Map
Barber Park Inclusive Play Orlando, FL

NO.	DATE	REVISION
3	08/17/2018	Addendum 1
2	09/28/2017	100% Submission
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(407) 267-8905
COA-28813

JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935

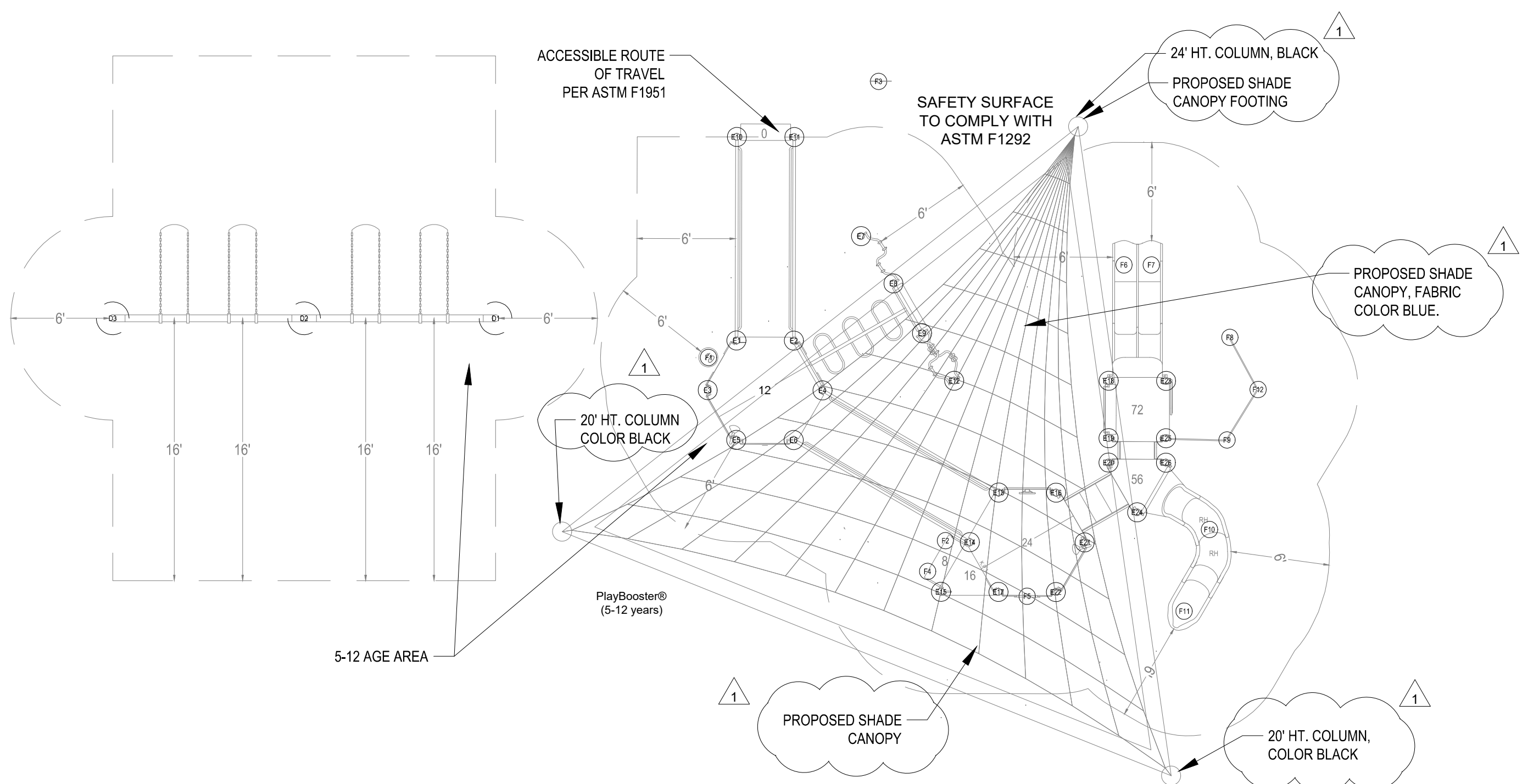
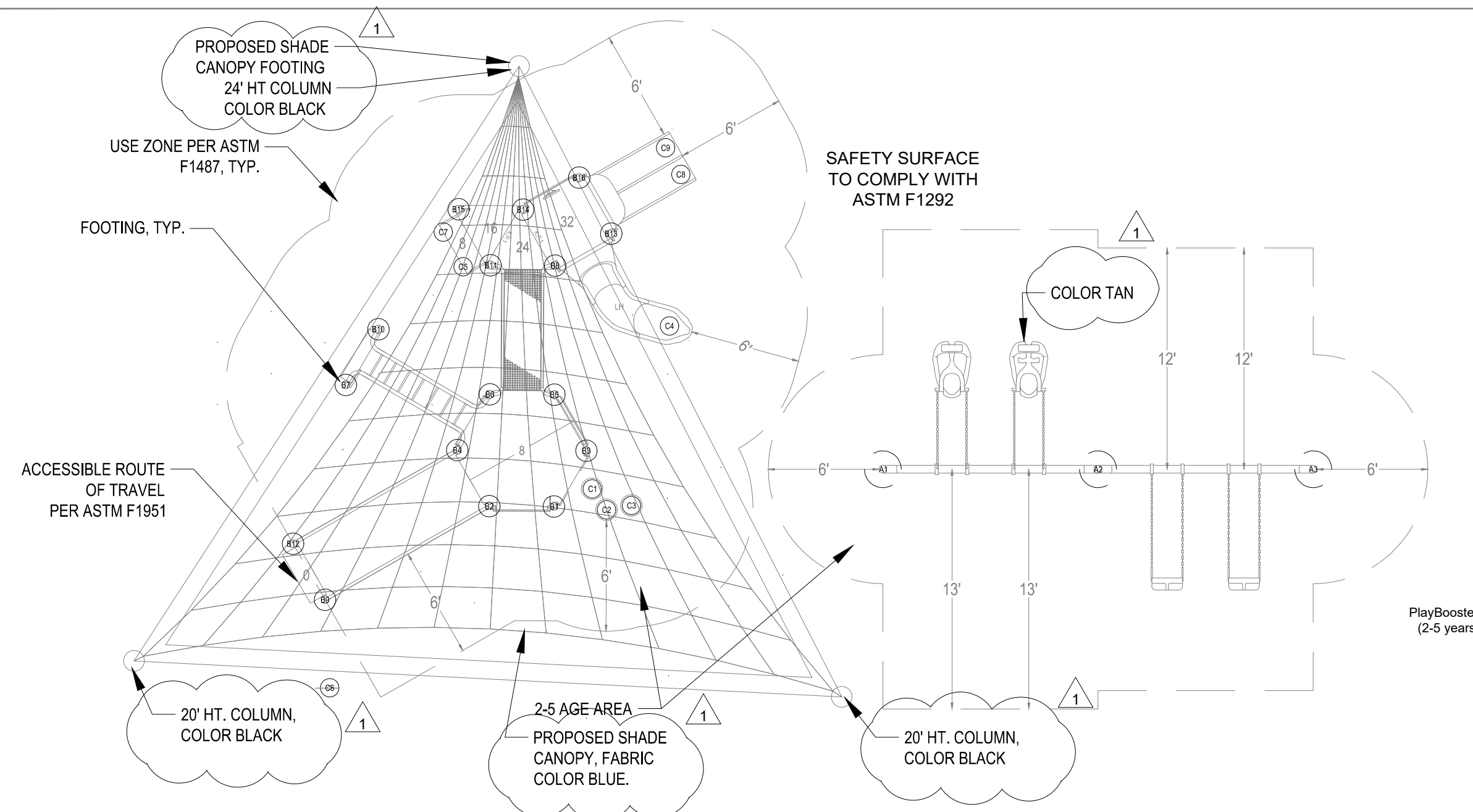
ORANGE COUNTY GOVERNMENT FLORIDA

BARBER PARK PLAYGROUND IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

PLAYGROUND LAYOUT & COMPONENTS
SHEET NUMBER
P. 3
OF 19 SHEETS

S:\ACTIVE PROJECT FILES\1700333_BARBER PARK SPLASH PAD_ORLANDO\CADD\DWG\LAYOUTS\1700333_LAYOUT-PLAYGROUND.DWG

NOTE:
1. ALL FOOTINGS SHOWN ARE FOR ILLUSTRATION AND PRICING ONLY. CONTRACTOR SHALL ENGINEER ALL FOOTING DIAMETERS AND DEPTHS FOR INGROUND MOUNTED EQUIPMENT AND SHADE STRUCTURE AS PER MANUFACTURER'S RECOMMENDATIONS. PLAYGROUND EQUIPMENT AND SHADE STRUCTURE TO BE PERMITTED SEPARATELY (NOT INCLUDED IN THIS SITE PERMIT SET)



PLAYGROUND FOOTING LAYOUT PLAN
NTS

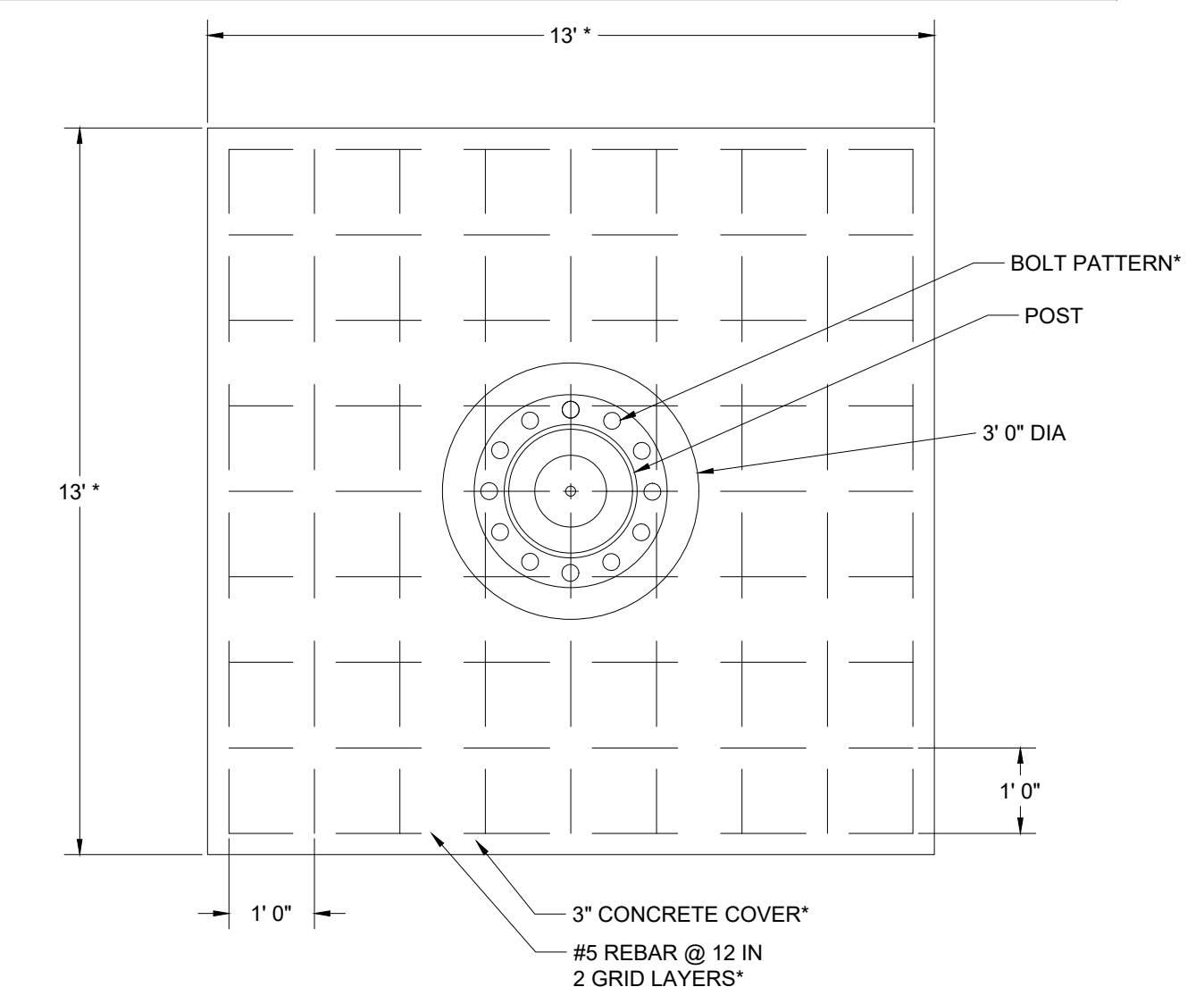
FOOTING CHART FOR PLANNING ONLY, NOT FOR CONSTRUCTION

N.	I.D.	X (ft-in)	Y (ft-in)	Dist. to O	DIA (in)
1	R.F.	1'-4"	-40'-8"	40'-8"	Ref. N2
2	D1	-14'-11"	1'-5"	15'	24
3	D2	-26'-7"	1'-5"	26'-7"	24
4	D3	-38'-3"	1'-5"	38'-3"	24
5	E1	-2"	1"	3"	14
6	E2	3'-4"	1"	3'-4"	14
7	E3	-2"	-2'-11"	3'-6"	14
8	E4	5'	-2'-11"	5'-10"	14
9	E5	-3"	-5'-11"	5'-11"	14
10	E6	3'-3"	-5'-11"	6'-10"	14
11	E7	7'-4"	6'-6"	9'-10"	14
12	E8	9'-4"	3'-7"	10'	14
13	E9	11'-1"	7"	11'-1"	14
14	E10	-2"	12'-6"	12'-6"	14
15	E11	3'-4"	12'-6"	13'	14
16	E12	13'-1"	-2'-4"	13'-3"	14
17	E13	15'-9"	-9'-2"	18'-3"	14
18	E14	14'	-12'-2"	18'-7"	14
19	E15	12'-3"	-15'-2"	19'-6"	14
20	E16	19'-3"	-9'-2"	21'-4"	14
21	E17	15'-9"	-15'-2"	21'-11"	14
22	E18	22'-6"	-2'-4"	22'-7"	14
23	E19	22'-6"	-5'-10"	23'-3"	14
24	E20	22'-6"	-7'-3"	23'-8"	14
25	E21	21'	-12'-2"	24'-4"	14
26	E22	19'-3"	-15'-2"	24'-7"	14
27	E23	26'	-2'-4"	26'-1"	14
28	E24	24'-3"	-10'-4"	26'-4"	14
29	E25	26'	-5'-10"	26'-7"	14
30	E26	26'	-7'-3"	27'	14
31	F1	-1'-11"	-11"	2'-1"	12
32	F2	12'-7"	-12'-1"	17'-5"	12
33	F3	8'-5"	15'-11"	18'	12
34	F4	11'-6"	-13'-11"	18'-1"	12
35	F5	17'-6"	-15'-5"	23'-4"	12
36	F6	23'-5"	4'-9"	23'-11"	12
37	F7	25'-1"	4'-9"	25'-6"	12
38	F8	29'-10"	4"	29'-10"	12
39	F9	29'-8"	-5'-11"	30'-3"	12
40	F10	28'-8"	-11'-4"	30'-10"	12
41	F11	27'-1"	-16'-4"	31'-8"	12
42	F12	31'-7"	-2'-10"	31'-9"	12

FOOTING CHART FOR PLANNING ONLY, NOT FOR CONSTRUCTION

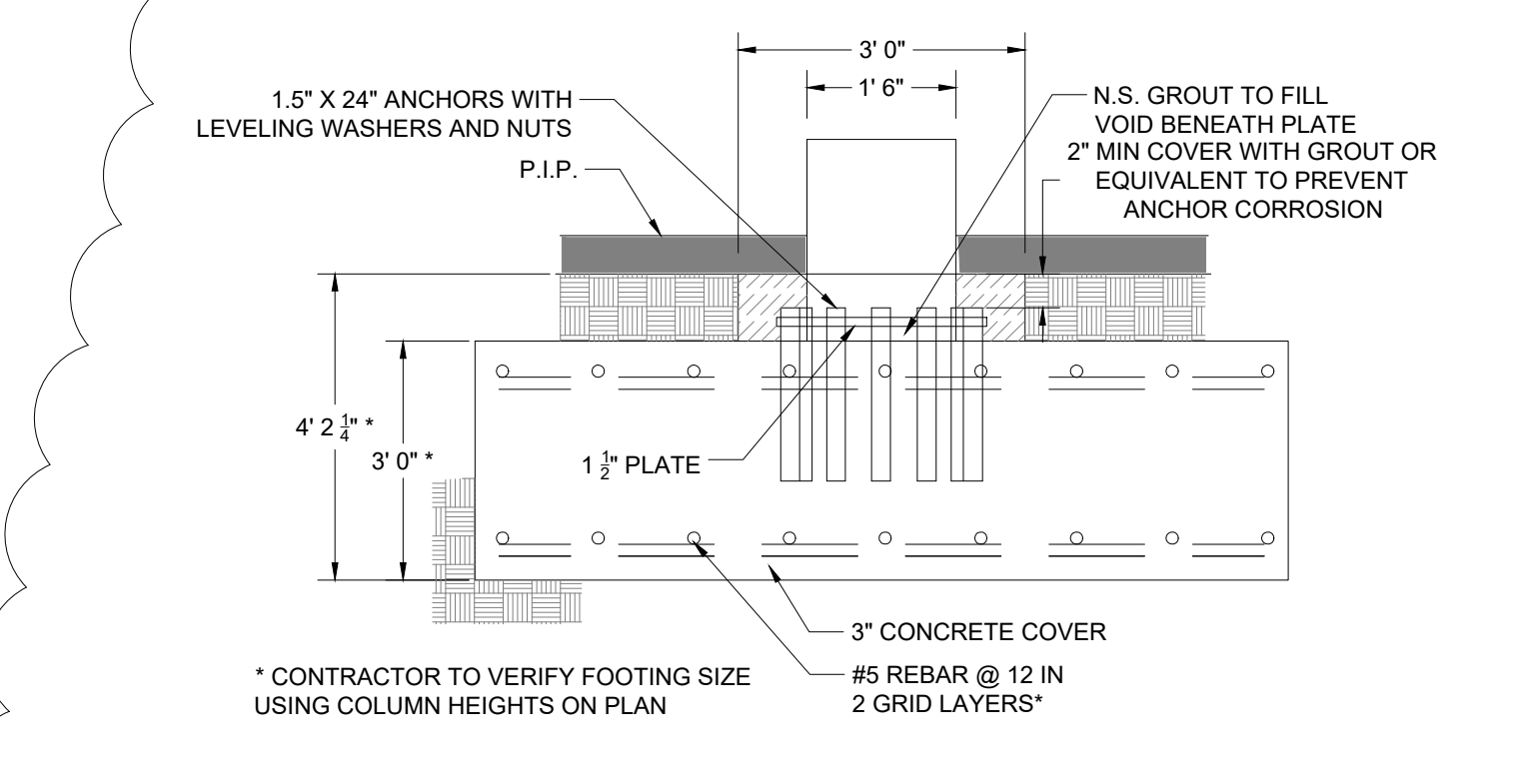
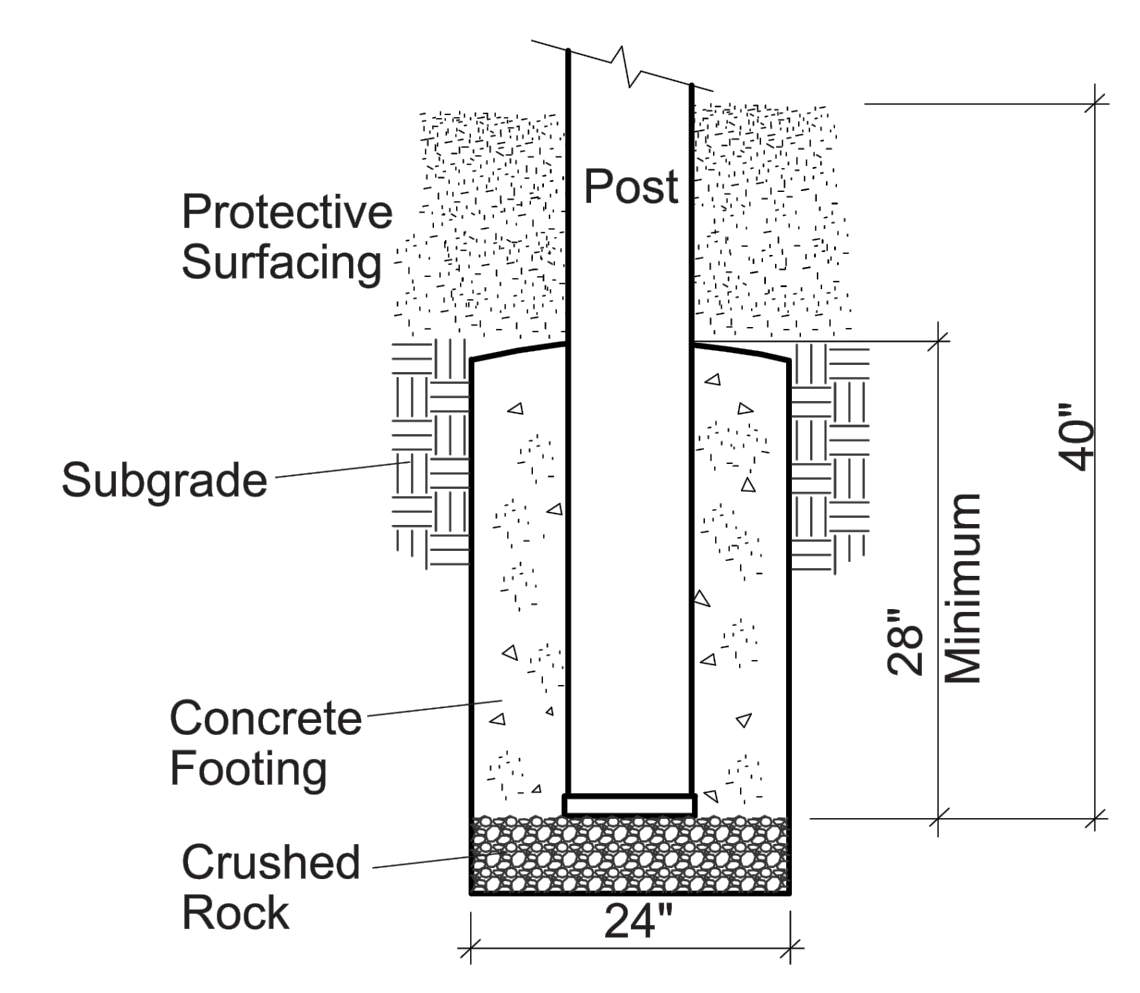
N.	I.D.	X (ft-in)	Y (ft-in)	Dist. to O	DIA (in)
1	A1	2'	-18'	18'-2"	24
2	A2	2'-1"	-29'-8"	29'-9"	24
3	A3	2'-1"	-41'-4"	41'-5"	24
4	B1	-1"	-3"	3"	14
5	B2	-1"	3'-3"	3'-4"	14
6	B3	2'-11"	-1'-11"	3'-6"	14
7	B4	2'-11"	5'-1"	5'-10"	14
8	B5	5'-11"	-2"	5'-11"	14
9	B6	5'-11"	3'-4"	6'-10"	14
10	B7	6'-5"	11'-1"	12'-10"	14
11	B8	12'-11"	-2"	12'-11"	14
12	B9	-5'-3"	12'-2"	13'-3"	14
13	B10	9'-5"	9'-4"	13'-3"	14
14	B11	12'-11"	3'-4"	13'-4"	14
15	B12	-2'-3"	13'-11"	14'-1"	14
16	B13	14'-8"	-3'-3"	15'-1"	14
17	B14	16'	1'-7"	16'-1"	14
18	B15	16'	5'-1"	16'-9"	14
19	B16	17'-9"	-1'-6"	17'-9"	14
20	C1	10"	-2'-3"	2'-5"	12
21	C2	-3"	-3'-1"	3'-1"	12
22	C3	-1"	-4'-5"	4'-5"	12
23	C4	9'-8"	-6'-5"	11'-8"	12
24	C5	12'-10"	4'-9"	13'-9"	12
25	C6	-10"	11'-11"	15'-7"	12
26	C7	14'-9"	5'-10"	15'-10"	12
27	C8	17'-11"	-7"	19'-3"	12
28	C9	19'-4"	-6'-2"	20'-4"	12

NOTE:
CONTRACTOR SHALL PROVIDE FOOTING ENGINEERING FOR SHADE COLUMNS PER COLUMN HEIGHT.



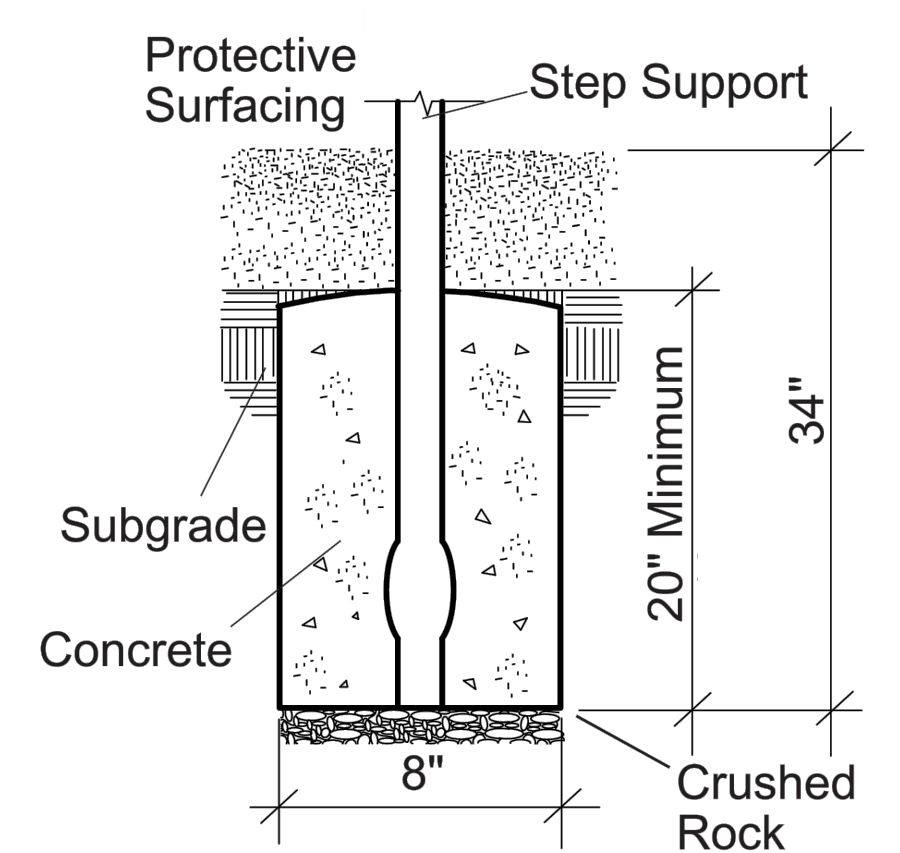
ANCHOR NOTES:
1. COLUMN HEIGHTS ARE SHOWN ON PLAN, FOR FOOTING REMARKS AND REQUIREMENTS, SEE DETAIL.
2. BASE PLATE BOLT HOLE DIAMETER SHALL NOT EXCEED ANCHOR BOLT DIAMETER PLUS 1/8" TYPICAL.
3. PROVIDE STANDARD HARDENED WASHER FOR ANCHOR BOLT AT BASE PLATE.
4. COLUMN BASE PLATE AND ANCHOR BOLTS SHALL BE ENCASED IN 2500 PSI CONCRETE AS SHOWN IN SPECIFICATIONS.
5. WIND LOADING SHALL BE DESIGNED TO WITHSTAND 129 MPH WIND IN ACCORDANCE WITH STATE OF FLORIDA BUILDING CODE REQUIREMENTS, 2014 OR LATEST EDITION.

DETAIL CONCRETE FOOTING

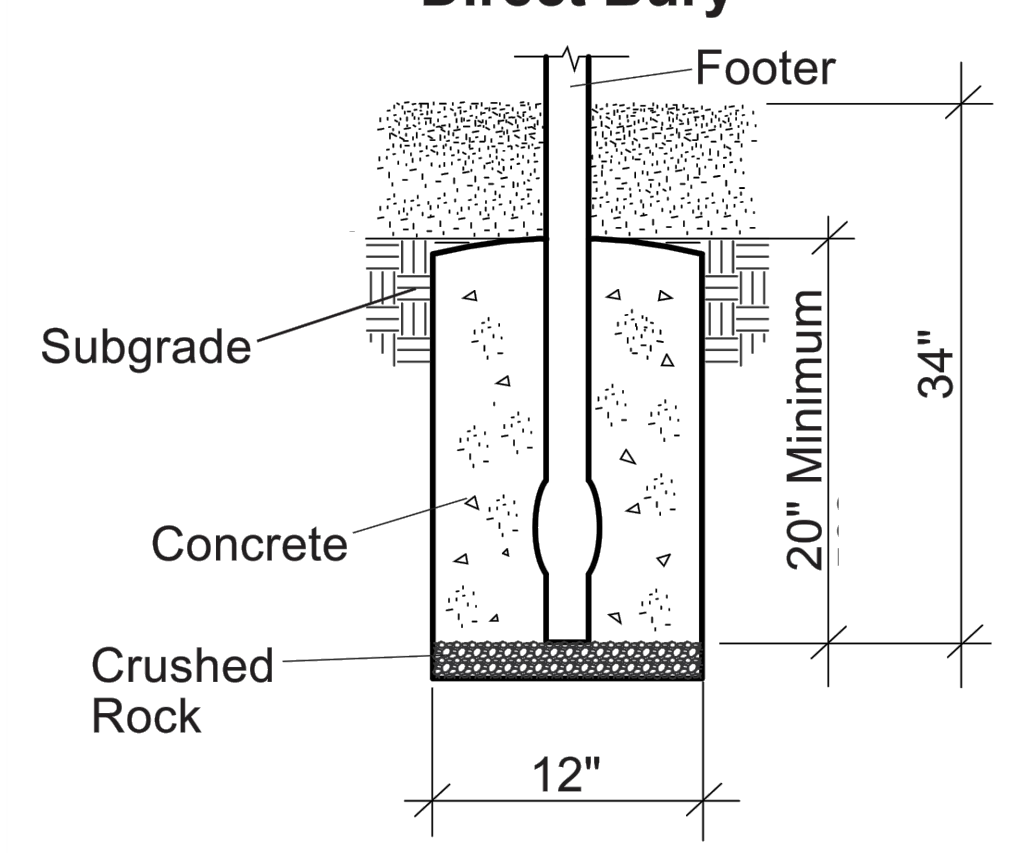


SHADE STRUCTURE FOOTING
NTS

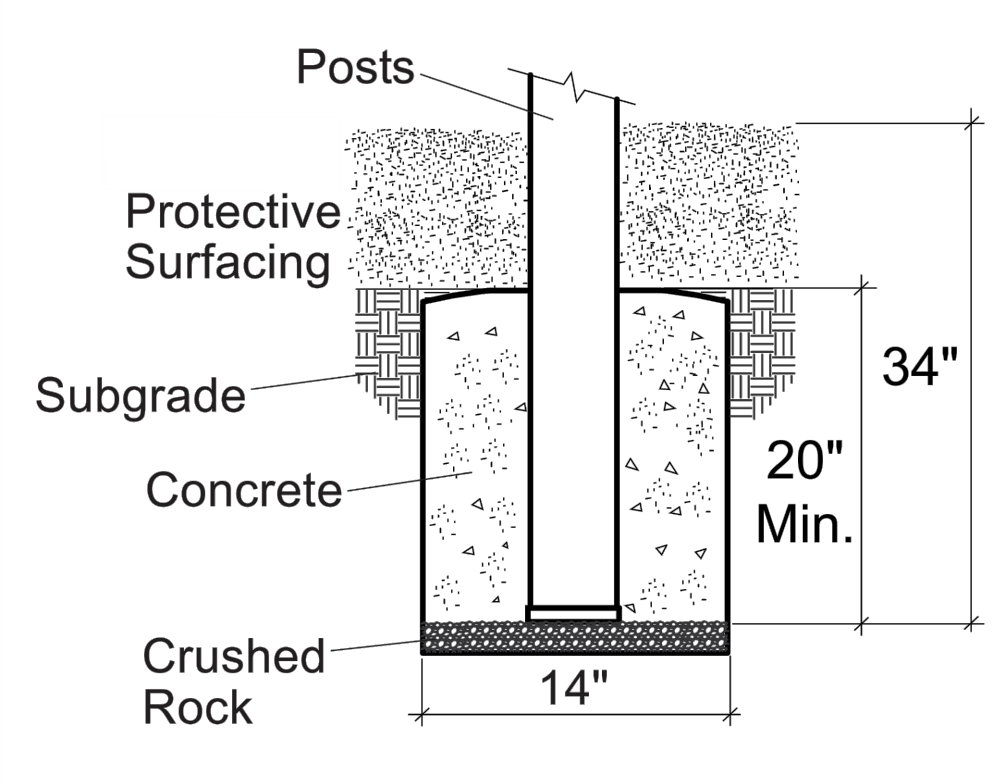
DETAIL STEP SUPPORT BURY



DETAIL Direct Bury



DETAIL DIRECT BURY



PLAYGROUND EQUIPMENT FOOTING DETAILS - NTS

NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission

ADC
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445 N. PENNSYLVANIA AVENUE
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407/926-118

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JEFFREY EARHART, PE, ENGINEER OF RECORD FLORIDA REG.
PROF. ENGINEER No.: 49935

ORANGE COUNTY GOVERNMENT FLORIDA

BARBER PARK
PLAYGROUND IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

PlayBooster® (2-5 years)

Slides		
1	123331A	Double Slide 32"Dk DB
1	124863A	SlideWinder2 32"Dk DB
Overhead Events		
1	139782A	2"Horizontal Ladder Connected Between Decks
1	141887A	Access/Landing Assembly Seat Barrier Right 8"Dk
Bridges & Ramps		
1	152443A	Grid Walk w/Barriers
1	120325A	Ramp Berm Exit Plate
1	156232A	Ramp w/Guardrails w/Curbs Meets ASTM
Enclosures		
1	191031A	Accessible Panel Curb
1	115228A	Driver Panel Above Deck
2	127953A	Handhold Panel Set
1	115230A	Tracing Panel Above Deck
1	127440A	Trail Tracker Reach Panel Above Deck
Motion & More Fun		
1	120901A	Grab Bar
Decks		
1	178710A	Hexagon Tenderdeck
2	121948A	Kick Plate 8"Rise
1	111228A	Square Tenderdeck
1	185852A	Transfer Step w/2 Handloops DB
2	111231A	Triangular Tenderdeck
Posts		
5	111404G	100"Alum Post DB
4	111404F	108"Alum Post DB
2	111404J	76"Alum Post DB
4	111404I	84"Alum Post DB
1	111404H	92"Alum Post DB
Freestanding Play		
Climbers		
1	120711A	Pod Climber 16" DB
2	120710A	Pod Climber 8" DB
Swings		
2	176038A	Full Bucket Seat ProGuard Chains for 8' Beam Height
1	218671C	Molded Bucket Seat (2-5 yrs) w/Harness ProGuard Chains for 8' Beam Height
1	177351A	Molded Bucket Seat (5-12 yrs) w/Harness ProGuard Chains for 8' Beam Height
1	177332A	Single Post Swing Frame 8' Beam Height Only
1	177333A	Single Post Swing Frame Additional Bay 8' Beam Height Only
Signs		
1	182503A	Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury

PlayBooster® (5-12 years)

Slides		
1	130390A	Double Swoosh Slide 72"Dk DB
1	124863D	SlideWinder2 56"Dk DB 2 Right Climbers

W/Permalene Handholds

1	150975B	Cascade Climber 72"Dk DB Only
1	152907A	Deck Link w/Barriers Steel end panels 1 Step
1	152907C	Deck Link w/Barriers Steel end panels 3 Steps
1	156915A	Pod Climber 16"Dk DB Left Mounted Handhold
1	116249A	Vertical Ladder 24"Dk DB
Overhead Events		
1	119805A	Single Beam Loop Horiz Lad 84"Connected Between Decks Bridges & Ramps
2	174815A	12' Ramp w/Guardrails and Curbs
1	120325A	Ramp Berm Exit Plate
Concrete Wall		
	30.0	340.00
Enclosures		
1	123844A	Braille Panel Above Deck
2	127953B	Handhold Panel
1	127953A	Handhold Panel Set
1	127678A	Match 4 Panel Above Deck
1	188835A	Sign Language Panel Above Deck
1	120314A	Wire Barrier Above Deck
1	120314B	Wire Barrier w/Wheel Above Deck
Motion & More Fun		
1	120901A	Grab Bar
2	120818A	Playstructure Seat
1	160054D	Stationary Cyclor Accessible Handles Only
1	160054C	Stationary Cyclor Pedals & Handles
1	111362A	Talk Tube 40' Tubing Kit PB
1	111363B	Talk Tube Deck Mounted 16"Dk DB Only
1	111363C	Talk Tube Deck Mounted 24"Dk DB Only
Decks		
2	178710A	Hexagon Tenderdeck
1	121948A	Kick Plate 8"Rise
1	111228A	Square Tenderdeck
1	185852A	Transfer Step w/2 Handloops DB
2	111231A	Triangular Tenderdeck
Posts		
4	111404G	100"Alum Post DB
3	111404F	108"Alum Post DB
4	111404E	116"Alum Post DB
1	111404C	132"Alum Post DB
2	111404B	140"Alum Post DB
4	111404A	148"Alum Post DB
3	111404J	76"Alum Post DB
5	111404H	92"Alum Post DB
Freestanding Play		
Swings		
4	174018A	Belt Seat ProGuard Chains for 8' Beam Height
1	177332A	Single Post Swing Frame 8' Beam Height Only
1	177333A	Single Post Swing Frame Additional Bay 8' Beam Height Only
Signs		
1	182503C	Welcome Sign (LSI Provided) Ages 5-12 years Direct Bury

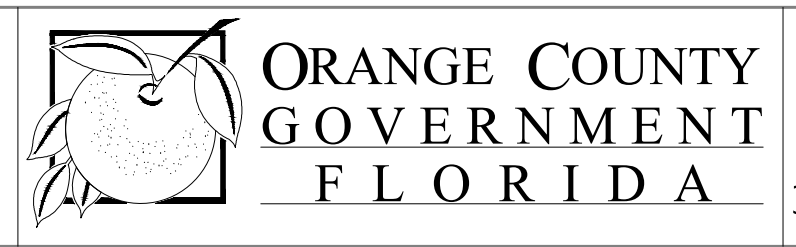
3	08/17/2018	
2	09/28/2017	100% Submission
1	06/09/2017	60% Submission
NO.	DATE	REVISION



ADC
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BARBER PARK
PLAYGROUND
IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

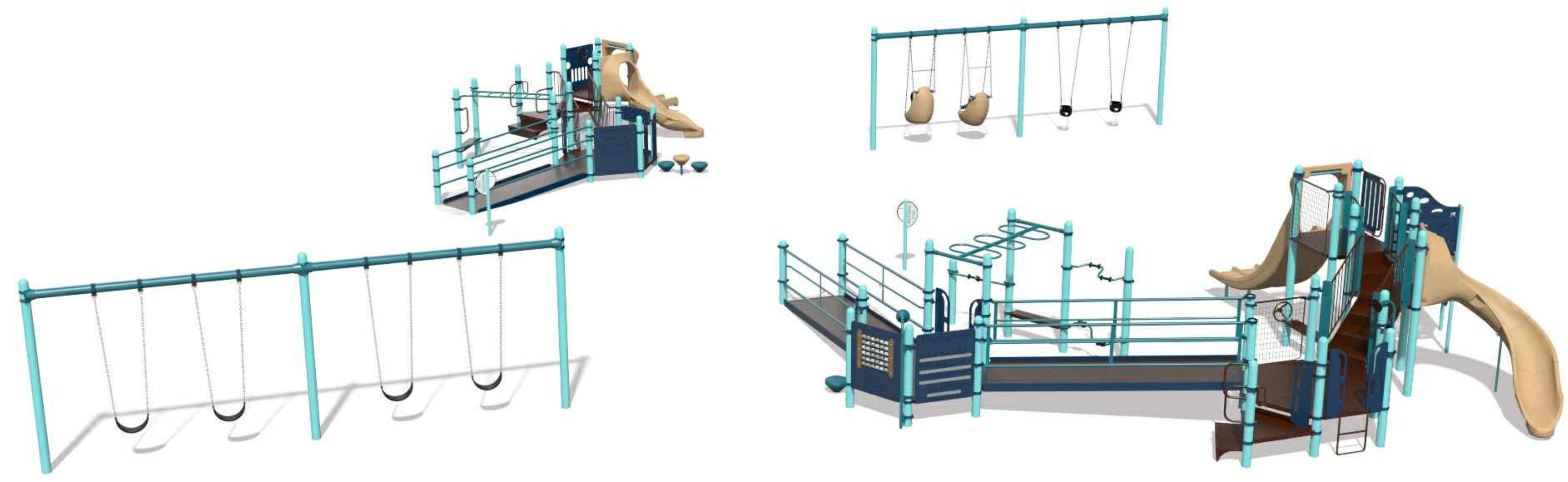
DETAILS - PLAYGROUND EQUIPMENT LIST

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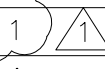
Barber Park Inclusive Play
tan_lagoon_sky August 15, 2018 11917-1-5



Barber Park Inclusive Play
tan_lagoon_sky August 15, 2018 11917-1-5



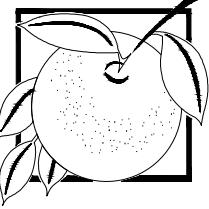
PLOT DATE 2018-08-17

NO.	DATE	REVISION
3	08/17/2018	
2	09/28/2017	
1	06/09/2017	
		Addendum 1  100% Submission 60% Submission

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PROF. ENGINEER No.: 49935

 **ORANGE COUNTY
GOVERNMENT
FLORIDA**

BARBER PARK
PLAYGROUND
IMPROVEMENTS
3701 GATLIN AVENUE, ORLANDO, FL 32812

PLAYGROUND RENDERINGS

SHEET NUMBER
P. 6
OF 19 SHEETS

S:\ACTIVE PROJECT FILES\1700333\BARBER PARK SPLASH PAD\ORLANDO\CADD\DWG\LAYOUTS\1700333_LAYOUT--PLAYGROUND.DWG

SHADE SPECIFICATIONS:

1. FABRIC SPECIFICATIONS
 - A. UV SHADE FABRIC SHALL BE MADE OF UV STABILIZED CLOTH MANUFACTURED BY ALNET, OR APPROVED EQUAL.
 - B. THE HIGH DENSITY POLYETHYLENE MATERIAL SHALL BE MANUFACTURED WITH TENSIONED FABRIC STRUCTURES IN MIND.
 - C. THE FABRIC KNOT IS TO BE MADE USING MONOFILAMENT AND TAPE FILLER WHICH HAS A WEIGHT OF 9.38 TO 10.32 OUNCE PER SQUARE YARD. MATERIAL SHALL BE RACHEL-KNITTED TO INSURE MATERIAL WILL NOT UNRAVEL IF CUT.
 - D. BURST STRENGTH OF 828 LBFT (ASTM 3786)
 - E. CLOTH SHALL MEET FIRE RESISTANCE TESTS AS FOLLOWS:
ALNET EXTRA BLOCK: CALIFORNIA STATE FIRE MARSHALL REG. #F-93501
OTHERS: NFPA 701-99 (TEST METHOD 2) ASTM E-84
 - F. FABRIC PROPERTIES:

STRETCH	STENTORED
TEAR TESTS (LBS/FT)	WARP 44.8
	WEFT 44
BURST TESTS (LBS FT)	828
FABRIC WEIGHT (OZ/SF) AVG	1.02 TO 1.07
FABRIC WIDTH	9'-10"
ROLL LENGTH	150'
ROLL SIZE	63"X16.5"
WEIGHT	120 LBS.
LIFE EXPECTANCY	10 YEARS
FADING	MINIMAL FADING AFTER 6 YEARS
NOTE	3 YEARS FOR RED AND YELLOW
TEMPERATURE	-77 DEGREES
MAXIMUM TEMPERATURE	+167 DEGREES
2. THREAD
 - A. SHALL BE 100% EXPANDED PTFE FIBER WHICH CARRIES A 10 YEAR WARRANTY THAT IS HIGH STRENGTH AND LOW SHRINKAGE.
 - B. SHALL HAVE A WIDE TEMPERATURE AND HUMIDITY RANGE.
 - C. ABRASION RESISTANT AND UV RADIATION IMMUNITY.
 - D. SHALL BE UNAFFECTED BY NO-HYDROCARBON BASED CLEANING AGENTS, ACID RAIN, MILDEW, ROT, CHLORINE, SALTWATER, AND POLLUTION.
 - E. LOCKSTITCH THREAD - 1200 DENIER OR EQUAL.
 - F. CHAIN STITCH THREAD - 2400 DENIER OR EQUAL.
3. STEEL TUBING
 - A. ALL FABRICATED STEEL MUST BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND CALCULATIONS.
 - B. ALL STEEL IS CLEANED, DEGREASED, OR ETCHED TO ENSURE PROPER ADHESION OF POWDER-COAT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - C. ALL STEEL USED ON THIS PROJECT NEEDS TO BE NEW AND ACCOMPANIED BY THE MILL CERTIFICATES IF REQUESTED. STRUCTURAL STEEL TUBING UP TO 5". 7 GAUGE SHALL BE GALVANIZED PER ALLIED STEEL FLO-COAT SPECIFICATIONS. SCHEDULE 40 BLACK PIPE FABRICATION SHALL BE SANDBLASTED AND PRIMED AS DESCRIBED BELOW.
 - D. ALL NON-HOLLOW STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A-53 GRADE C, UNLESS OTHERWISE NOTED.
 - E. PLATE PRODUCTS SHALL COMPLY WITH ASTM A-36.
4. POWDER COATING AND PRIMING
 - A. ALL NON-GALVANIZED STEEL SHALL BE SANDBLASTED AND PRIMED PRIOR TO POWDER COATING USING BROWN FUSED ALUMINUM OXIDE GRIT AND THE FOLLOWING PRIMER.
 - B. ALL NON-GALVANIZED STEEL MUST BE COATED WITH RUST INHIBITING PRIMER PRIOR TO APPLYING THE POWDER COAT. PRIMER SHALL BE MARINE GRADE CARDINAL INDUSTRIAL FINISHES CORP. E396 - GR1372 EPOXY POWDER COATING SEMI-GLOSS SMOOTH ZINC RICH PRIMER.
 - C. WELDS SHALL BE PRIMED WITH RUST INHIBITING PRIMER PRIOR TO APPLYING THE POWDER COAT. PRIMER SHALL BE MARINE GRADE CARDINAL INDUSTRIAL FINISHES CORP. E396 - GR1372 EPOXY POWDER COATING SEMI-GLOSS SMOOTH ZINC RICH PRIMER.
 - D. ALL STEEL PARTS SHALL BE COATED FOR RUST PROTECTION AND FINISHED WITH A MINIMUM 3.5 MIL THICK UV-INHIBITED WEATHER RESISTANT POWDER COATING.
 - E. CHARACTERISTICS: POWDER USED IN THE POWDER-COAT PROCESS SHALL HAVE THE FOLLOWING CHARACTERISTICS:

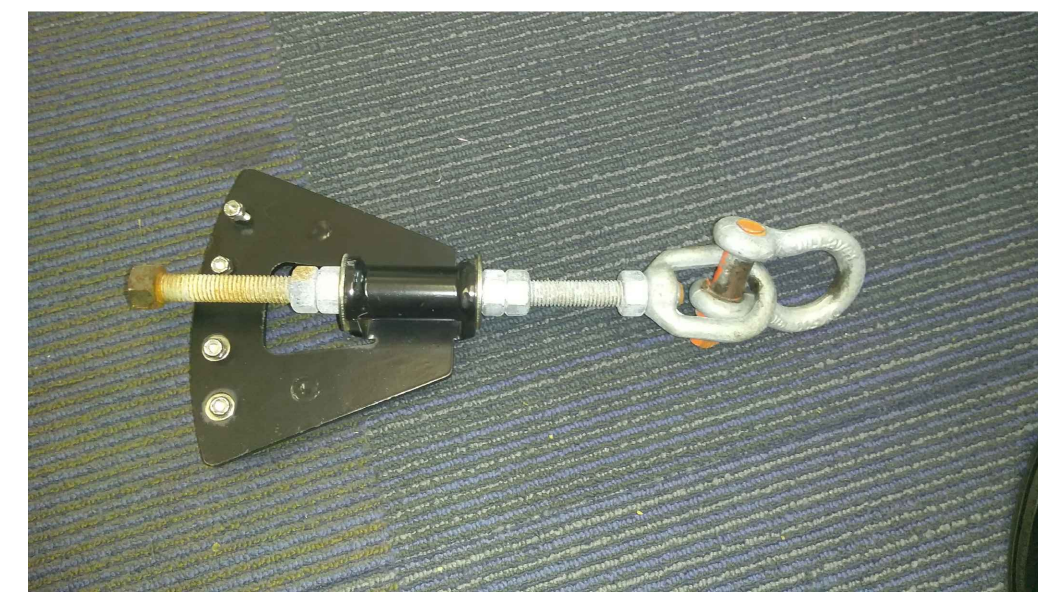
N.3.1	SPECIFIC GRAVITY	1.68+/- 0.05
N.3.2	THEORETICAL COVERAGE	114+/- 4FT 2/LB/MIL
N.3.3	MASS LOSS DURING DURE	<1%
N.3.4	MAXIMUM STORAGE TEMPERATURE	75 DEGREES F
 - F. POWDER-COATING SHALL MEET THE FOLLOWING TESTS:

ASTM	GLOSS AT 60 DEGREE	85-95
HOI TM 10.219	PCI POWDER SMOOTHNESS	7
ASTM D2454-91	OVER-BAKE RESISTANCE TIME	200%
ASTM D3363-92A	PENCIL HARDNESS	H-2H
ASTM D2794-93	DIR/REV IMPACT, GARDNER	140 ₁₄₀ IN/LBS

- | | | |
|----------------|--|-----------------------|
| ASTM D3359-95B | ADHESION, CROSS HATCH | 5B PASS |
| ASTM D522-93A | FLEXIBLE MANDREL | 1/4" DIA. NO FRACTURE |
| ASTM B117-95 | SALT SPRAY | 1,000 HOURS |
| UL DIOV2 | ORGANIC COATING STEEL ENCLOSURES, ELECT. EQ. | RECOGNIZED |
- G. APPLICATION CRITERIA:

N.5.1	ELECTROSTATIC SPRAY COLD	SUBSTRATE:0.032 IN. CRS
N.5.2	CURE SCHEDULE	10 MIN. AT 400 DEGREES F
N.5.3	PRETREATMENT	BONDERITE 1000
N.5.4	FILM THICKNESS	3.5 MILS
 5. WELDING
 - A. ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS.
 - B. WELDING PROCEDURES SHALL COMPLY IN ACCORDANCE WITH THE AWS D1.1-AWS STRUCTURAL WELDING CODE-STEEL.
 - C. ALL WELDS SHALL BE PERFORMED BY A CERTIFIED WELDER. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.
 - D. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX.0.35 WIRE.
 - E. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE INDICATED ON DRAWINGS. FIELD-WELDED CONNECTIONS ARE NOT ACCEPTABLE.
 - F. ALL FILLET WELDS SHALL BE A MINIMUM FO 1/2" UNLESS OTHERWISE NOTED.
 - G. ALL STEEL SHALL BE WELDED SHUT AT TERMINATIONS TO PREVENT INTERNAL LEAKAGE.
 - H. INTERNAL WELD SLEEVING IS NOT ACCEPTABLE.
 - I. ON-SITE WELDING OF ANY COMPONENT IS NOT ACCEPTABLE.
 6. SEWING
 - A. ON-SITE SEWING OF A FABRIC WILL NOT BE ACCEPTED.
 - B. ALL CORNERS SHALL BE REINFORCED WITH EXTRA NON-TEAR CLOTH AND STRAP TO DISTRIBUTE THE LOAD.
 - C. THE PERIMETERS THAT CONTAIN THE CABLES SHALL BE DOUBLE LOCK STITCHED.
 7. INSTALLATION HARDWARE
 - A. BOLT AND FEASTENING HARDWARE SHALL BE DETERMINED BASED ON CALCULATED ENGINEERING LOADS.
 - B. ALL BOLTS SHALL COMPLY WITH SAE-1429 (GRADE 8) OR ASTM A325 (GRADE BD). ALL NUTS SHALL COMPLY WITH ASTM F-594, ALLOY GROUP 1 OR 2.
 - C. UPON REQUEST, STAINLESS STEEL HARDWARE SHALL COMPLY WITH ASTM A-304.
 - D. 1/4" GALVANIZED WIRE ROPE SHALL BE 7X19 STRAND WITH A BREAKING STRENGTH OF 7,000 LBS. FOR SHADES GENERALLY UNDER 575 SQ.FT., CABLE SHALL BE 5/16" WITH A BREAKING STRENGTH OF 9,800 LBS. UPON REQUEST, 1/4" STAINLESS STEEL WIRE ROPE SHALL BE 7X19 STRAND WITH A BREAKING STRENGTH OF 6,400 LBS. 5/16" STAINLESS STEEL WIRE ROPE SHALL BE 7X19 STRAND WITH A BREAKING STRENGTH OF 9,000 LBS.
 - E. ALL FITTINGS REQUIRED FOR PROPER SECURING OF THE CABLE ARE HOT DIPPED GALVANIZED.
 8. CONCRETE
 - A. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF AMERICAN CONCRETE BUILDING CODE ACI 318 UNLESS SPECIFIED BY THE GOVERNING MUNICIPALITY.
 - B. CONCRETE SPECIFICATIONS SHALL COMPLY IN ACCORDANCE WITH, AND DETAILED AS PER PLANS AS FOLLOWS:
 1. 28 DAYS STRENGTH F'c = 2500 PSI
 2. AGGREGATE: HR
 3. SLUMP: 3-5
 4. PORTLAND CEMENT SHALL CONFORM TO C-150
 5. AGGREGATE SHALL CONFORM TO ASTM C-33
 - C. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60.
 - D. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND MANUAL OF STANDARD PRACTICE.
 - E. WHENEVER DAILY AMBIENT TEMPERATURES AREA BELOW 80 DEGREES FAHRENHEIT, THE CONTRACTOR MAY HAVE MIX ACCELERATORS AND HOT WATER ADDED AT THE BATCH PLANT (SEE TABLE 1).

TEMPERATURE RANGE	% ACCELERATOR	TYPE ACCELERATOR
75-80 DEGREES	1%	HIGH EARLY (NON CALCIUM)
70-75 DEGREES	2%	HIGH EARLY (NON CALCIUM)
BELOW 70 DEGREES	3%	HIGH EARLY (NON CALCIUM)
 9. FOOTINGS
 - A. ALL ANCHOR BOLTS SET IN NEW CONCRETE SHALL BE ASTM A-307, OR ASTM F-1554 IF SPECIFIED BY ENGINEER.
 - B. ALL ANCHOR BOLTS SHALL BE ZINC PLATED UNLESS SPECIFIED OTHERWISE.
 - C. FOOTING SHALL BE PLACE IN ACCORDANCE WITH AND CONFORM TO ENGINEERED SPECIFICATIONS AND DRAWINGS.
 10. ALL SHADE SAILS SHALL BE DESIGNED TO WITHSTAND 129 MPH WIND AS A WIND LOAD DESIGN PARAMETER OR AS PER STATE OF FLORIDA BUILDING CODES, 2014 OR LATEST EDITION.



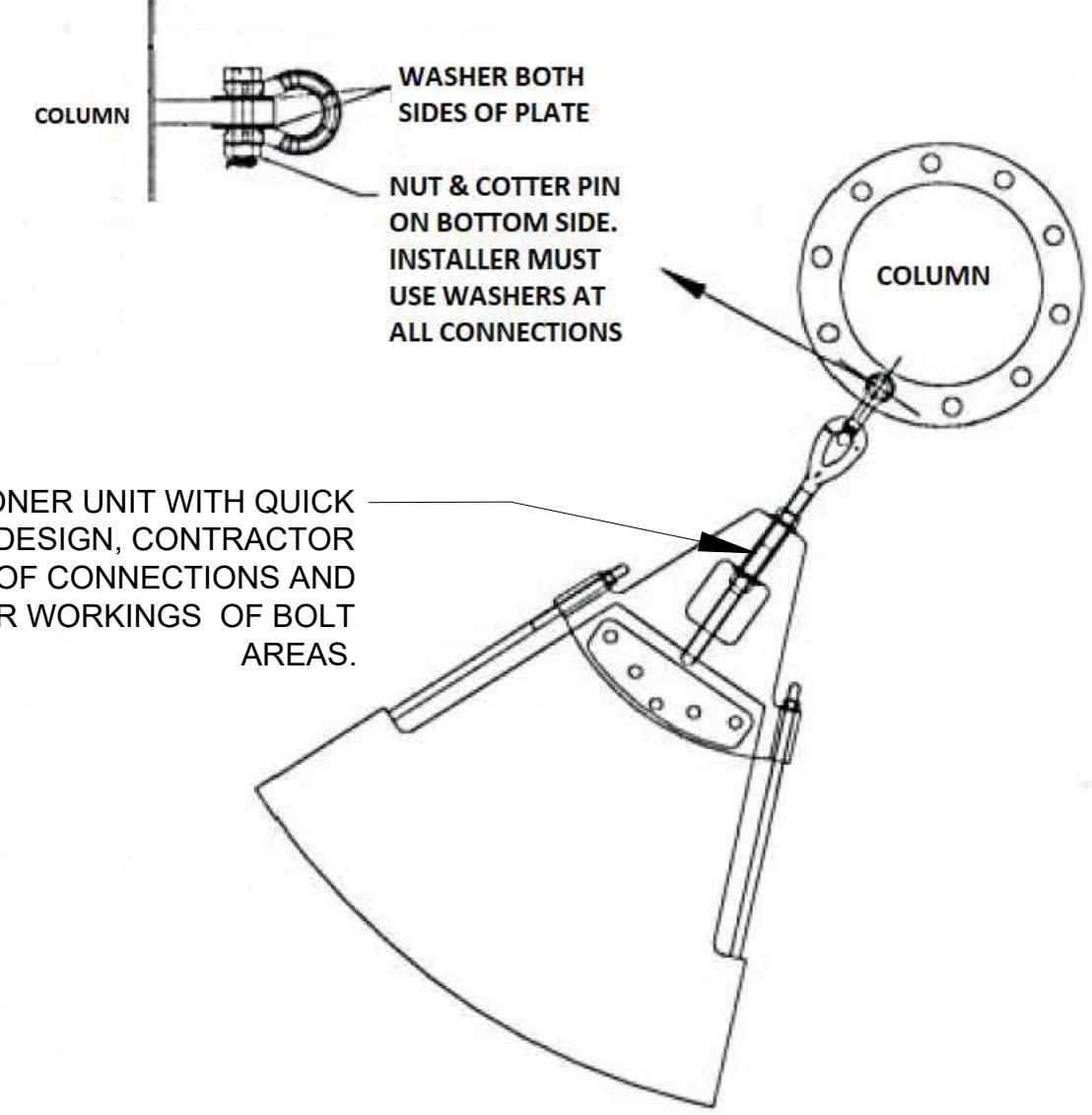
TOP VIEW OF SAIL TENSIONER UNIT WITH QUICK RELEASE



BOTTOM VIEW OF SAIL TENSIONER UNIT WITH QUICK RELEASE



SAIL TENSIONER UNIT SHOWING QUICK RELEASE CONNECTION TO COLUMN



STAINLESS STEEL SAIL TENSIONER UNIT WITH QUICK DISCONNECT INTEGRAL INTO THE DESIGN, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF CONNECTIONS AND EXPLODED VIEW TO INDICATE INNER WORKINGS OF BOLT AREAS.

QUICK RELEASE SYSTEM TENSIONING TURNBUCKLE DETAIL N.T.S.



STAINLESS STEEL SAIL TENSIONER UNIT WITH QUICK DISCONNECT INTEGRAL INTO THE DESIGN, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF CONNECTIONS AND EXPLODED VIEW TO INDICATE INNER WORKINGS OF BOLT AREAS.
STAINLESS STEEL CABLE HOUSING BOTH SIDES OF SHADE CLOTH AND CABLES. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR CABLE AND CABLE CONNECTIONS TO CABLE HOUSING AND TENSIONER
SHADE SAIL SHALL BE BLUE COLOR,
POST SHALL BE STEEL COLUMN AS SHOWN IN SPECIFICATIONS (THIS SHEET), BLACK POWDER COATED

SHADE CONNECTION DETAIL NOT TO SCALE

PLOT DATE: 2018-08-17

3	08/17/2018		Addendum 1
2	09/28/2017		100% Submission
1	06/09/2017		60% Submission
NO.	DATE		REVISION

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PROF. ENGINEER No.: 49935

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DETAILS & SPECS - SHADE STRUCTURE

SHEET NUMBER
P. 7
OF 19 SHEETS