



Mayor
Tomas P. Regalado

Chairman
Keon Hardemon

Vice-Commissioner
Ken Russell

Commissioner
Frank Carollo

Commissioner
Francis Suarez

City Manager
Daniel J. Alfonso

CITY OF MIAMI

CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM

Jeovanny Rodriguez, P.E., Director

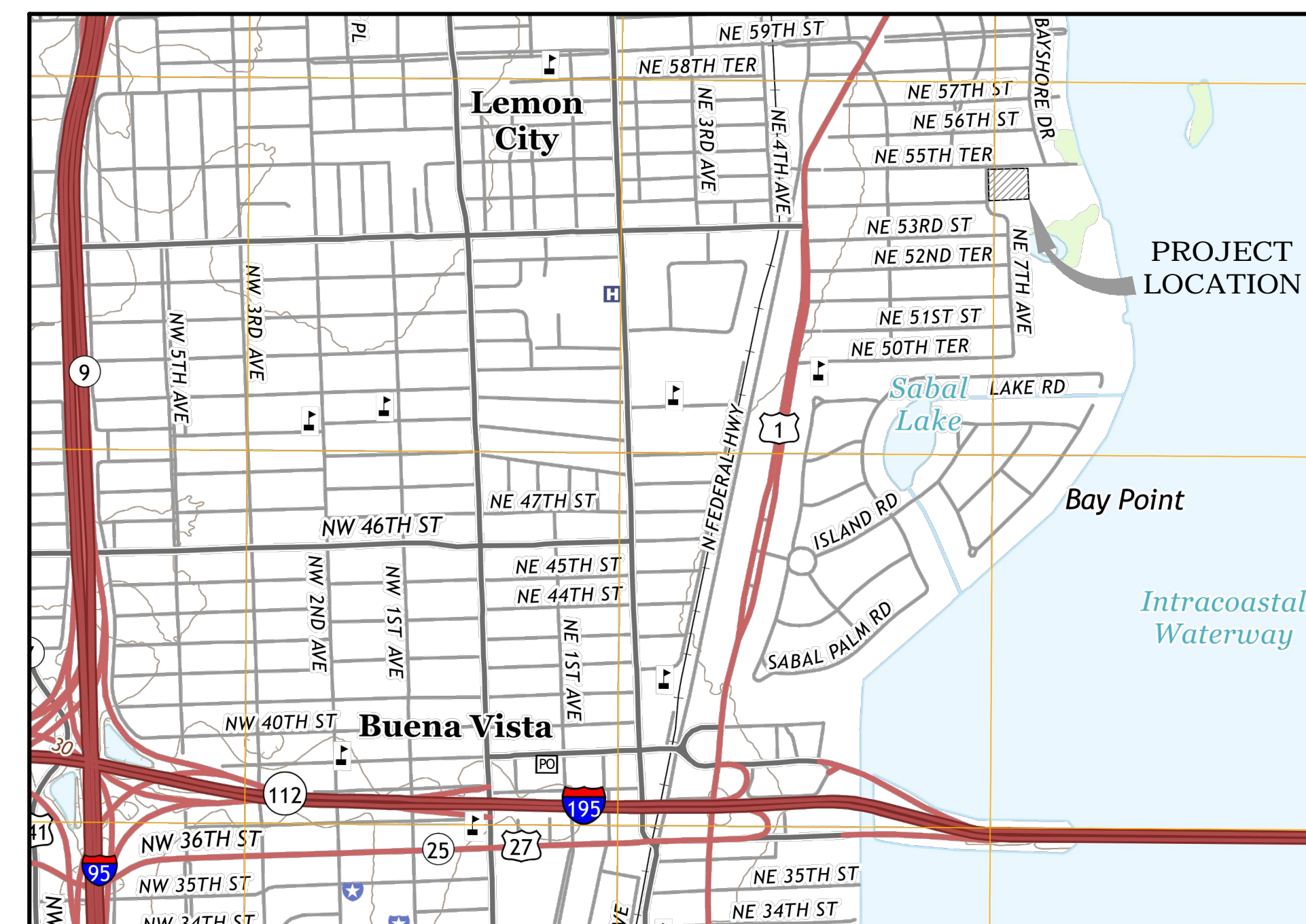
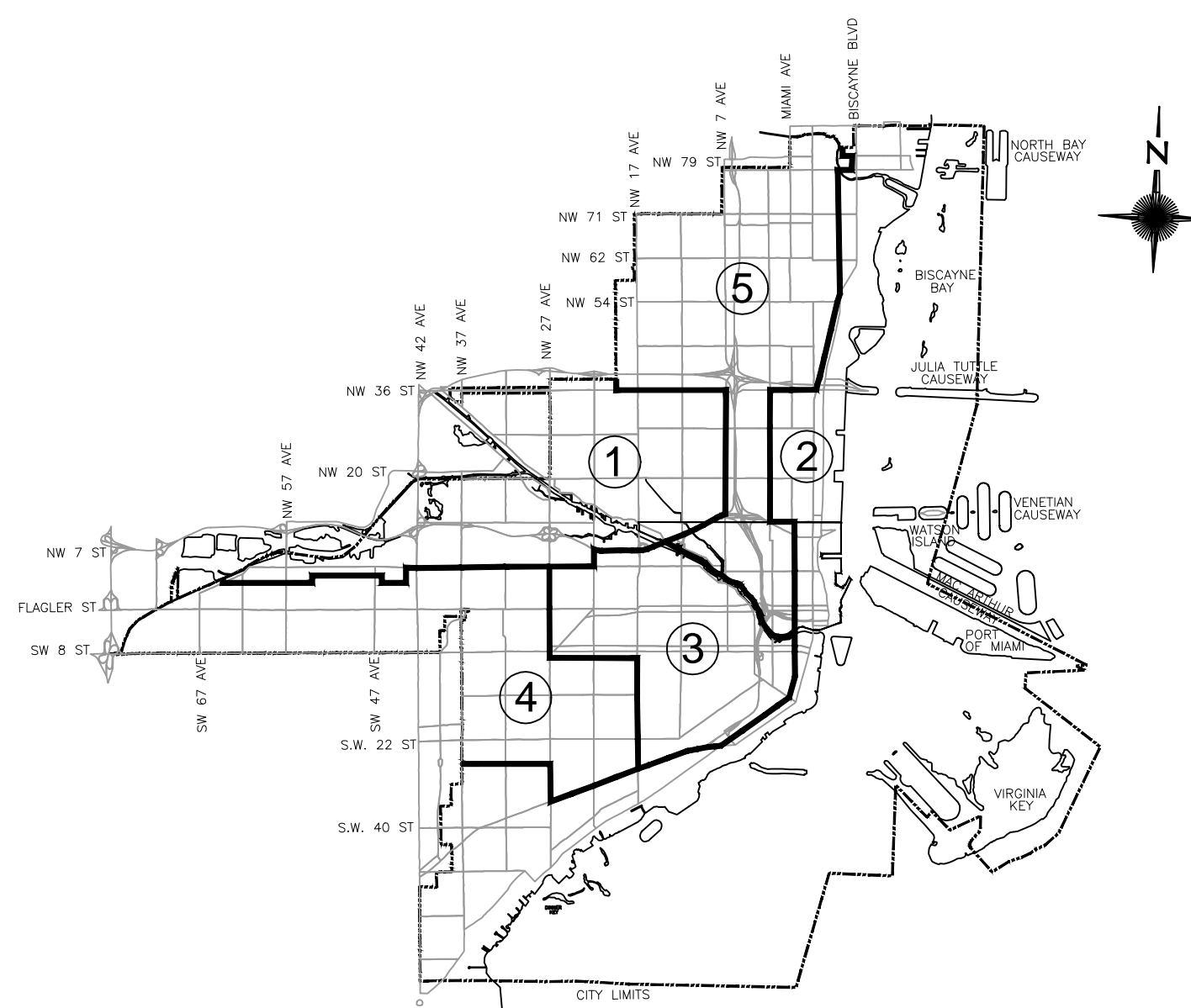
MORNINGSIDE PARK TENNIS COURTS

B-40534
750 NE 55th TERRACE
MIAMI, FLORIDA 33137

PERMIT SET

INDEX OF DRAWINGS

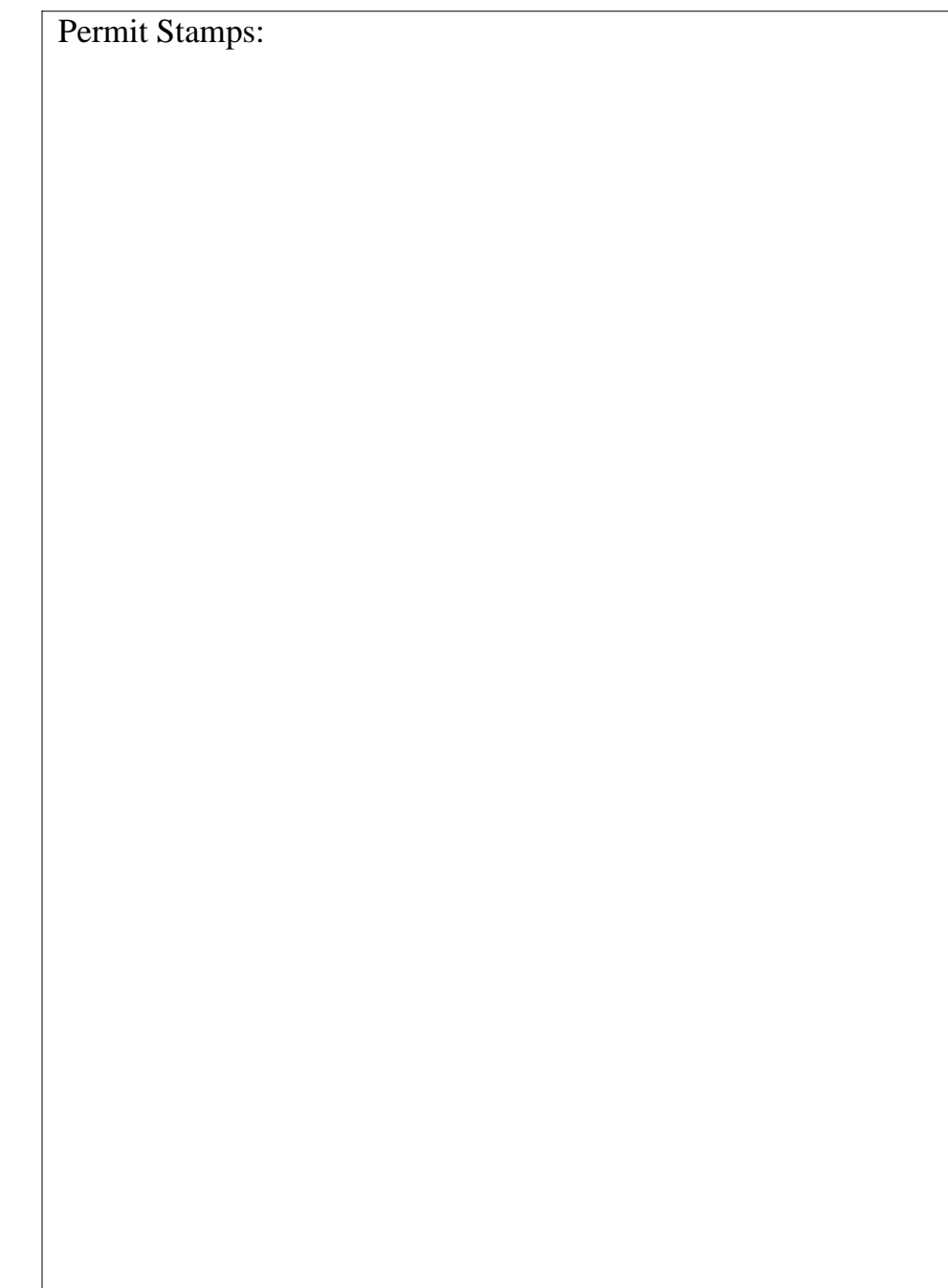
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LOCATION MAP

N.T.S.

Permit Stamps:



CITY OF MIAMI
CAPITAL IMPROVEMENTS AND
TRANSPORTATION PROGRAM

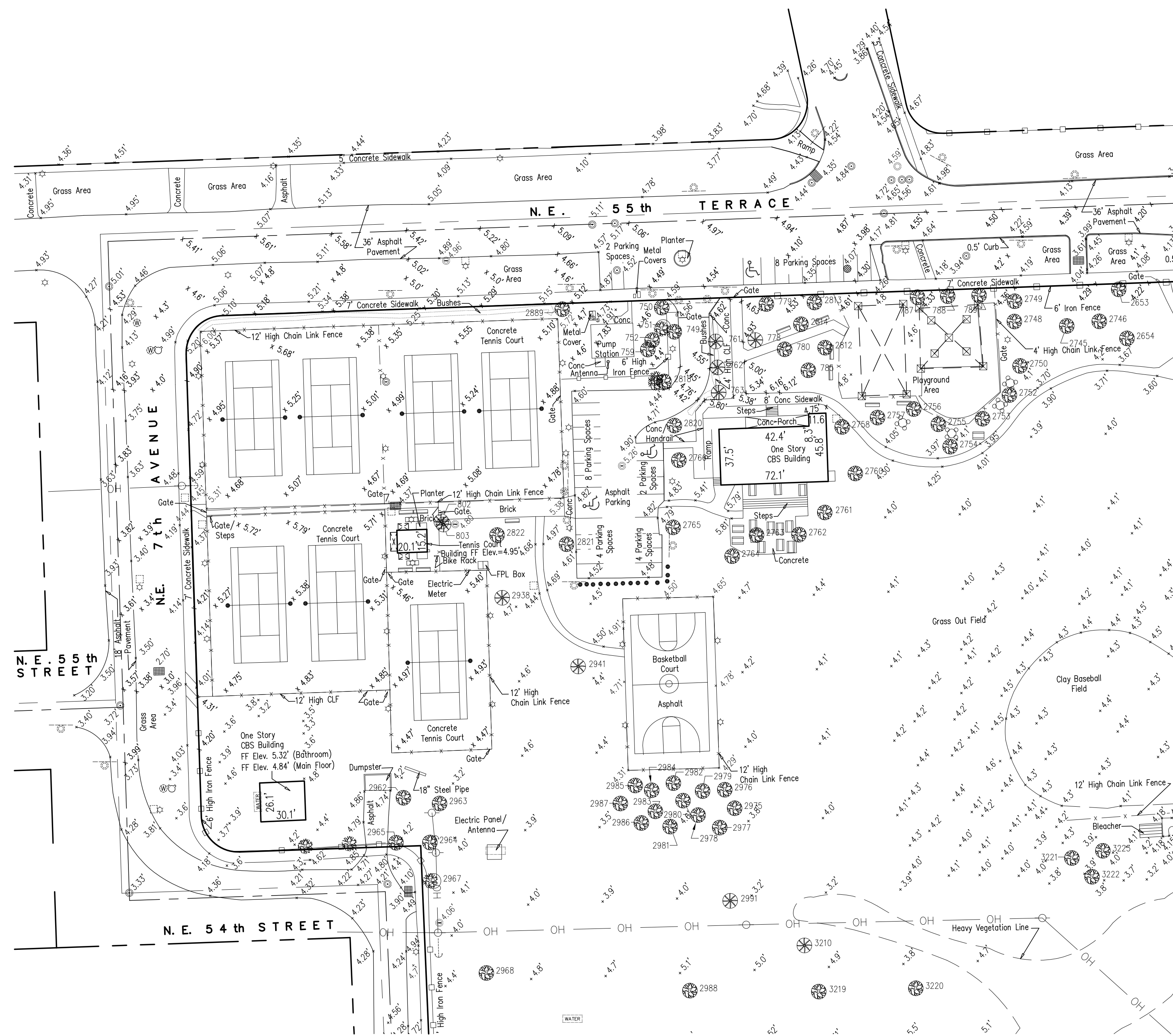
MORNINGSIDE PARK
TENNIS COURTS

B-40534
750 NE 55th TERRACE, MIAMI, FLORIDA 33137



Miami-Dade Office: 7743 NW 48th Street, Suite 140
Miami, Florida · 33166-5407
305-599-6381 · Fax: 305-599-2797
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Seal:



SURVEYOR'S NOTES:

Only those utilities witnessed by visible appurtenant evidence have been located and shown hereon. There may be other underground utilities in addition to those evidenced by visible appurtenances not known to the surveyor and not shown on this sketch.

This survey map is intended for the use of the parties to whom it is certified to and for. Any reproduction is not an original. This surveyor retains an original to verify these dated contents for validity.

Bearings and North arrow alignment as shown hereon refer to Florida State Plane Coordinate System, East Zone (0901), North American Datum (N.A.D.) 1983 (2007 Adjustment), whereby the North line of said Tract "A" bears N 87°57'11" E. Boundary bearings shown hereon were calculated from plat angles and field measurements. Calculated distances and the boundary lines shown hereon are based on plat geometry and found monuments.

This sketch shown hereon in its graphic form is the record depiction of the surveyed lands described herein and will in no circumstances be supplanted in authority by any other graphic or digital format of this Survey. This map is intended to be displayed at a scale of 1"=20' or smaller. At the maximum intended displayed scale the survey and sketch's positional accuracy value occupies 1/20" on the display.

Elevations are referred to the National Geodetic Vertical Datum 1929 adjustment (NGVD 29). Elevations are based on Miami Dade County Benchmark U-35 the same being a US Curb and Gutter Brass Disc on Concrete monument located 23 feet south of centerline of NE 55 Terrace and 43 feet east of centerline of NE 4 Avenue, elevation 16.41 NGVD 29.

The National Flood Insurance Rate Map 12086C0308L for Florida Community 120650, Panel Number 308, Revision Date 09/11/09, published by the United States Department of Housing and Urban Development, delineates the herein described land to be situated within Zone "AE" (Elevation 9.00), Zone "AE" (Elevation 10.00) and Zone "VE" (Elevation 10.00).

The express purpose of this SPECIFIC PURPOSE SURVEY is to show the topographic information within the survey site. The Survey site is a portion of TRACT A of "Morningside Bayfront Park" according to the plat thereof, as recorded in Plat Book 60 at Page 73 of the Public Records of Miami Dade County, Florida.

Although care was taken with the identification of the trees noted hereon, an arborist, landscape architect, botanist, environmental specialist or others with advanced education in dendrology should be utilized if critical identification of the trees is required.

SURVEYOR'S CERTIFICATION:

This is to certify to the herein named firm and/or persons that the "SPECIFIC PURPOSE SURVEY" of the herein described property is true and correct to the best of our knowledge and belief as surveyed and platted under our direction on April 28, 2016. I further certify that this survey meets the "Standards of Practice" as set forth in Rule 5J-17.051 AND 5J-17.052 as adopted by the Florida Board of Professional Surveyors and Mappers pursuant to Chapter 472.027 Florida Statutes.

Triangle Surveying & Mapping, Inc.
Field Date May 4, 2015

John Liptak
Professional Surveyor and Mapper #LS5664
State of Florida

TREE NUMBER	SCIENTIFIC NAME	COMMON NAME	DIAMETER (INCHES)	HEIGHT (FEET)	CANOPY (FEET)
749	Melaleuca Alternifolia	Tea Tree	24	16	20
750	Pistacia Lentiscus	Mastic	40	18	40
751	Bursera simaruba	Gumbo-limbo	10	16	20
752	Bursera simaruba	Gumbo-limbo	5	14	16
759	Melaleuca Alternifolia	Tea Tree	16	16	22
761	Roystonea	Royal Palm	18	36	20
762	Roystonea	Royal Palm	18	30	20
763	Roystonea	Royal Palm	18	30	20
778	Roystonea	Royal Palm	20	25	20
779	Coccoloba diversifolia	Pigeon Plum	24	20	30
780	Bursera simaruba	Gumbo-limbo	16	10	20
785	Bursera simaruba	Gumbo-limbo	12	8	18
787	Quercus virginiana	Live Oak	5	16	15
788	Quercus virginiana	Live Oak	5	18	15
789	Quercus virginiana	Live Oak	5	18	15
802	Arecaceae	Palm	12	8	8
803	Arecaceae	Palm	16	18	8
2653	Swietenia mahagoni	Mahogany	18	32	35
2654	Coccoloba diversifolia	Pigeon Plum	25	40	50
2745	Melaleuca quinquenervia	Tea-trees	30	40	25
2746	Coccoloba diversifolia	Pigeon Plum	22	40	40
2748	Quercus virginiana	Live Oak	5	15	12
2749	Quercus virginiana	Live Oak	5	15	12
2750	Quercus virginiana	Live Oak	5	15	12
2752	Quercus virginiana	Live Oak	5	16	14
2753	Bursera simaruba	Jumbo Limbo	25	19	16
2754	Coccoloba diversifolia	Pigeon Plum	4	15	14
2755	Coccoloba diversifolia	Pigeon Plum	4	15	14
2756	Coccoloba diversifolia	Pigeon Plum	4	15	14
2757	Coccoloba diversifolia	Pigeon Plum	4	15	14
2758	Senegalia greggii	Acacia	5	15	30
2760	Tabebuia heterophylla	Pink Trumpet Tree	9	28	15
2761	Tabebuia heterophylla	Pink Trumpet Tree	12	28	40
2762	Quercus virginiana	Live Oak	12	28	40
2763	Quercus virginiana	Live Oak	10	22	30
2764	Albizia julibrissin	Mimosa	7	14	27
2765	Coccoloba diversifolia	Pigeon Plum	90	20	50
2766	Delonix regia	Royal Poinciana	5	10	15
2812	Melaleuca Alternifolia	Tea Tree	18	15	18
2813	Melaleuca Alternifolia	Tea Tree	18	16	18
2814	Melaleuca Alternifolia	Tea Tree	18	16	20
2818	Coccoloba diversifolia	Pigeon Plum	70	20	40
2820	Coccoloba diversifolia	Pigeon Plum	82	18	24
2821	Coccoloba diversifolia	Pigeon Plum	5	6	6
2822	Coccoloba diversifolia	Pigeon Plum	12	26	45
2889	Pistacia Lentiscus	Mastic	30	45	30
2938	Arecaceae	Palm	22	30	12
2941	Arecaceae	Palm	19	30	12
2962	Bucida buceras	Black Olive	18	24	40
2963	Bucida buceras	Black Olive	19	24	46
2964	Bucida buceras	Black Olive	20	24	40
2965	Coccoloba diversifolia	Pigeon Plum	20	22	30
2967	Coccoloba diversifolia	Pigeon Plum	36	20	50
2968	Coccoloba diversifolia	Pigeon Plum	108	25	50
2975	Cocos nucifera	Coconut Palm	5	8	8
2976	Quercus virginiana	Live Oak	6	14	9
2977	Cocos nucifera	Coconut Palm	4	12	10
2978	Quercus virginiana	Live Oak	9	15	7
2979	Quercus virginiana	Live Oak	7	12	12
2980	Quercus virginiana	Live Oak	7	12	12
2981	Quercus virginiana	Live Oak	5	15	8
2982	Quercus virginiana	Live Oak	8	15	14
2983	Chrysobalanus icaco	Coco Plum	4	12	10
2984	Quercus virginiana	Live Oak	9	15	20
2985	Chrysobalanus icaco	Coco Plum	5	16	8
2986	Chrysobalanus icaco	Coco Plum	4	10	8
2987	Chrysobalanus icaco	Coco Plum	5	8	10
2988	Quercus virginiana	Live Oak	5	8	10
2991	Cocos nucifera	Coconut Palm	9	20	10
3210	Cocos nucifera	Coconut Palm	10	25	10
3219	Coccoloba diversifolia	Pigeon Plum	120	40	80
3220	Delonix regia	Royal Poinciana	16	15	20
3221	Bucida buceras	Black Olive	14	28	25
3222	Bucida buceras	Black Olive	14	28	25
3223	Bucida buceras	Black Olive	14	28	25

ABBREVIATIONS:

- (M) = Measured
- (P) = Platted Dimension
- BLDG = Building
- C/B = Catch Basin
- CBS = Concrete Block and Stucco
- CONC = Concrete
- FIP = Found 1/2" Iron Pipe
- FND = Found
- MH = Manhole
- NGVD = National Geodetic Vertical Datum 1929
- LB = Licensed Business
- ORB, PG = Official Records Book and Page
- O/H = Overhead
- PB, PG = Plat Book and Page
- PRM = Permanent Reference Monument
- SIP = Set 1/2" Iron Pipe w/ cap LB 7388
- STY = Story

LEGEND:

- Barbeque Grill
- Bench
- Picnic Table
- Existing Elevation
- Centerline
- Monument line
- Tree
- Catch basin
- Clean out
- Concrete light pole
- Concrete power pole
- Electric box
- Fire hydrant
- Guard post
- Guy anchor
- Street light pole
- Light pole
- Electrical meter
- Gas meter
- Drainage manhole
- Electrical manhole
- Sanitary sewer manhole
- Single sign support
- Palm
- Sewer valve
- Water valve
- Water meter
- Wood power pole
- Wire pull box

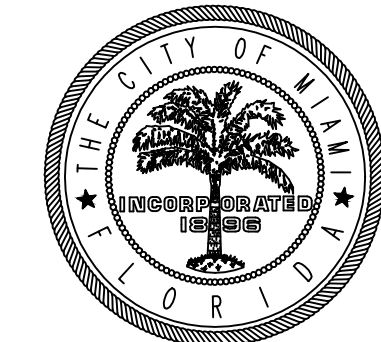
SPECIFIC PURPOSE SURVEY

5215 NE 7th AVENUE
MIAMI, FL 33137

This document is intended only for the specific purpose and client for which it was prepared.

Not valid without the signature and original raised seal of a Florida licensed surveyor and mapper.

Date: 05/04/2015	Project: 2750-02
Scale: 1"=50'	Checked by: ADR
F.B. N/A	Drawn by: ADR
Sheet: 1 of 1	Sketch: 02
Ref:	



CITY OF MIAMI
CAPITAL IMPROVEMENTS
AND TRANSPORTATION
PROGRAM

MORNINGSIDE PARK TENNIS COURTS
DEMOLITION PLAN

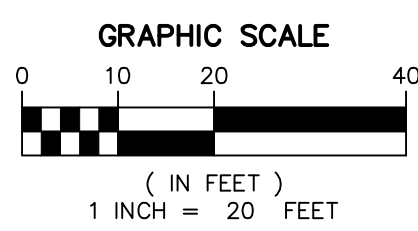
DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
CHECKED: N.T.
REVISIONS:
07.15.16 CITY COMMENTS
08.30.16 CITY COMMENTS

JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
NORMA T. ALVAREZ, P.E.
FL. REG. 10612
SEAL

SCALE: AS SHOWN

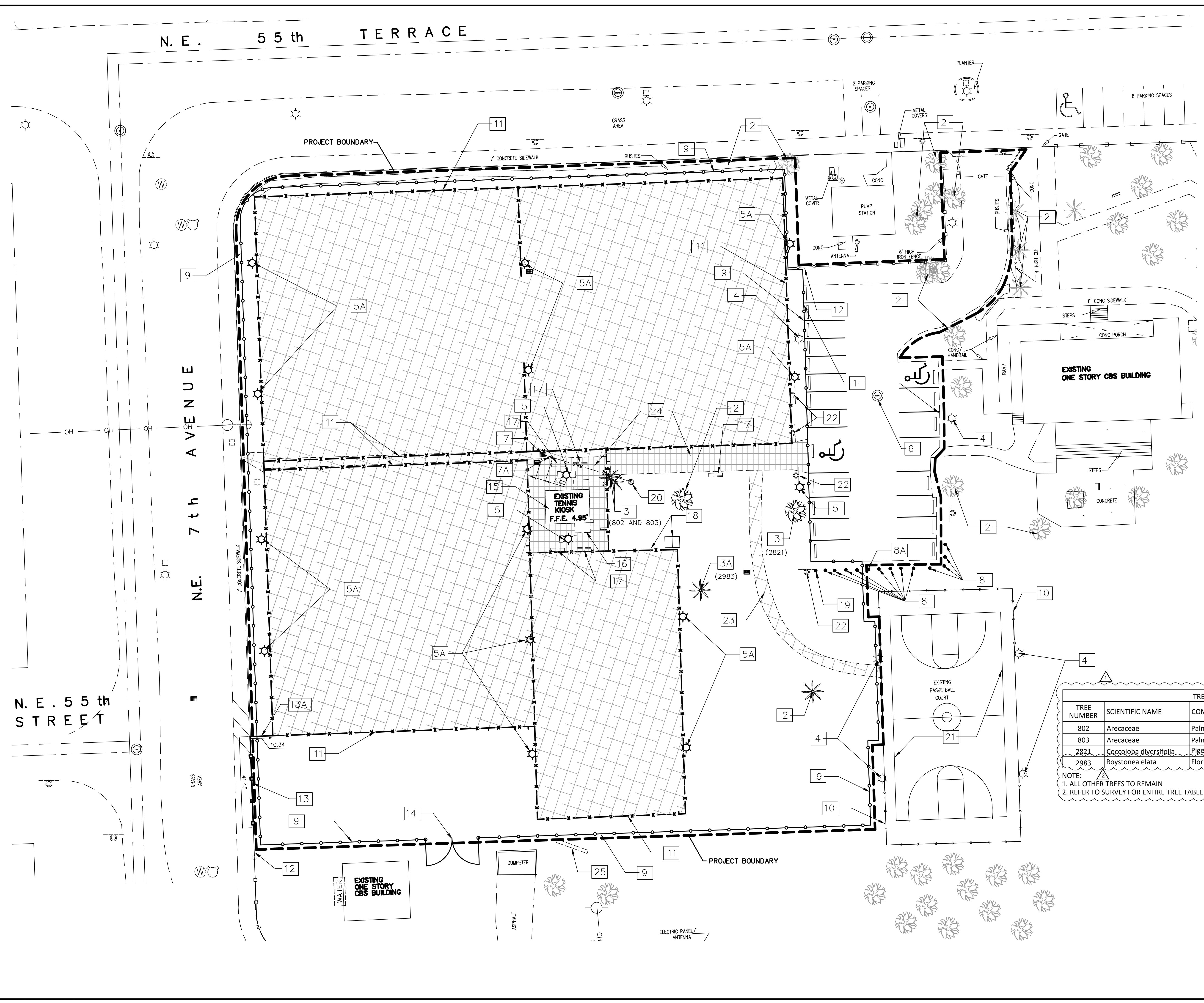
SHEET No.
C-1
OF 6 SHEETS



- KEY NOTES:
- EXISTING PARKING LOT TO BE SEALCOATED AND RE-STRIPED. REMOVE ALL CONCRETE WHEELSTOPS AND EXISTING STRIPES.
 - EXISTING TREES AND BUSHES TO REMAIN
 - EXISTING TREES TO BE REMOVED (REFER TO TREE TABLE ON THIS SHEET)
 - EXISTING TREE TO BE RELOCATED (REFER TO LA PLANS)
 - EXISTING LIGHT POLE TO REMAIN
 - EXISTING LIGHT POLE AND FIXTURES TO BE REMOVED (REFER TO SHEET C-3 FOR NEW POLES LOCATION). CONTRACTOR IS RESPONSIBLE FOR THIS COORDINATION
 - EXISTING SPORT LIGHT FIXTURE & POLES TO BE REMOVED BY OTHERS
 - EXISTING FPL MANHOLE TO REMAIN
 - EXISTING DRAINAGE STRUCTURE TO BE REPLACED WITH NEW MANHOLE (REFER TO SHEETS C-4 & C-5 FOR DETAILS)
 - EXISTING 12" RCP PIPE TO BE REMOVED
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED
 - PROPOSED TEMPORARY CHAIN LINK FENCE
 - EXISTING CHAIN LINK FENCE TO REMAIN
 - EXISTING CHAIN LINK FENCE TO BE REMOVED
 - EXISTING IRON FENCE TO REMAIN
 - EXISTING IRON FENCE TO BE REMOVED
 - EXISTING IRON FENCE TO BE RELOCATED
 - PROPOSED TEMPORARY CONSTRUCTION GATE
 - EXISTING TENNIS KIOSK TO REMAIN
 - EXISTING PLANTING AREA TO REMAIN
 - EXISTING BENCH TO BE REMOVED
 - EXISTING TRANSFORMER AND ELECTRICAL METER TO REMAIN. EXTRA CARE WHEN REMOVING FENCE AROUND THIS AREA
 - EXISTING BOLLARD TO BE REMOVED
 - EXISTING STORM MANHOLE TO REMAIN
 - EXISTING BASKETBALL COURT TO REMAIN
 - EXISTING SIGN TO BE REMOVED
 - EXISTING CONCRETE WALKWAY TO BE REMOVED
 - EXISTING PAVERS/TILES TO BE REMOVED
 - EXISTING METAL PIPE TO BE REMOVED

TREE NUMBER	SCIENTIFIC NAME	COMMON NAME	DIAMETER (INCHES)	HEIGHT (FEET)	CANOPY (FEET)	DISPOSITION
802	Arecaceae	Palm	12	8	8	REMOVE
803	Arecaceae	Palm	16	18	8	REMOVE
2821	Coccoloba diversifolia	Pigeon Plum	5	6	6	REMOVE
2983	Roystonea elata	Florida Royal Palm	5	6	6	RELOCATE

NOTE:
1. ALL OTHER TREES TO REMAIN
2. REFER TO SURVEY FOR ENTIRE TREE TABLE



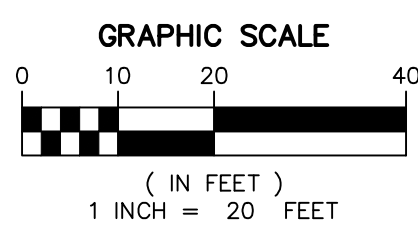
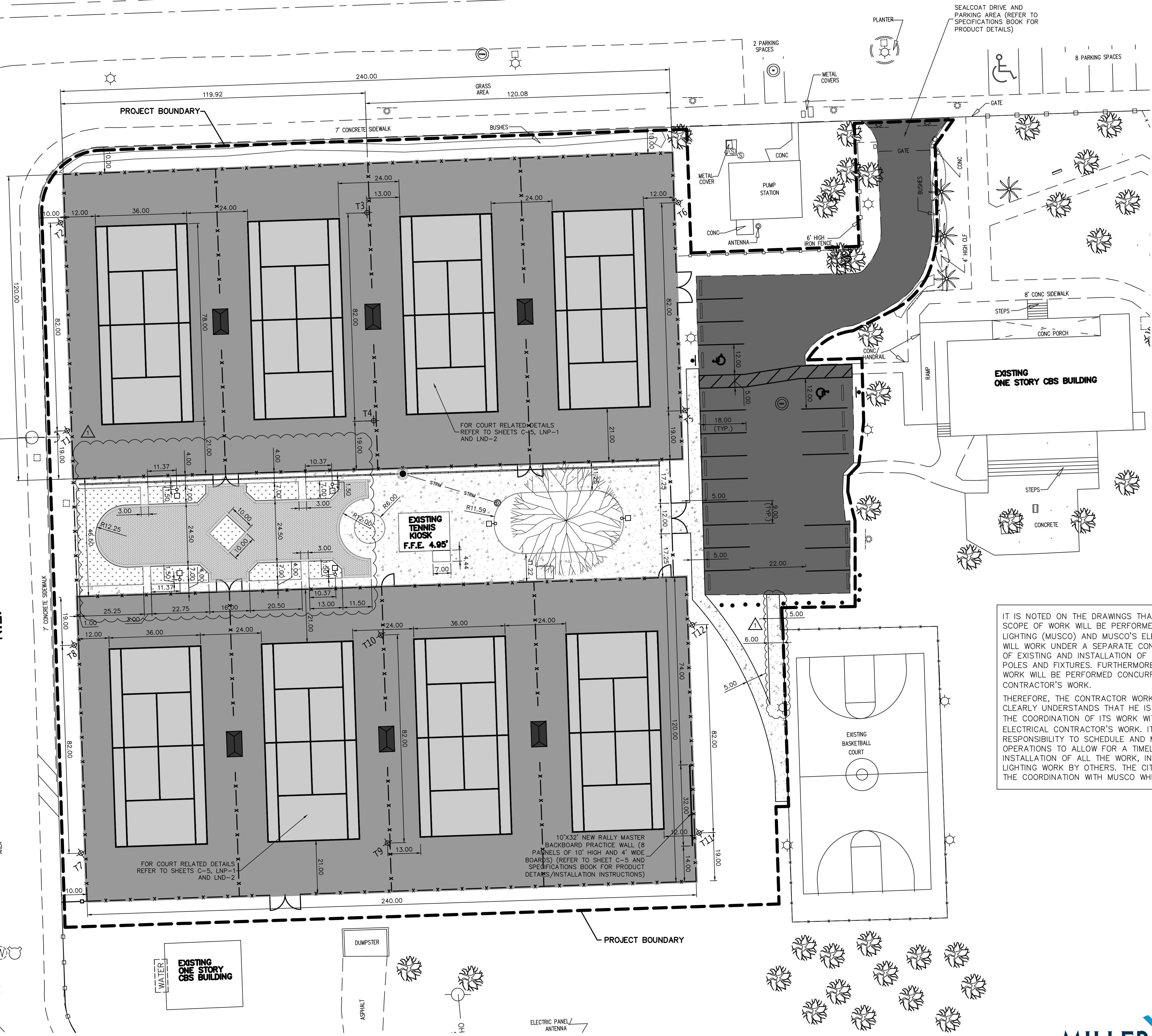
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Miami, Florida 33166-5407
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PERMIT SET

N. E. 55th TERRACE

N.E. 7th AVENUE

N. E. 55th STREET

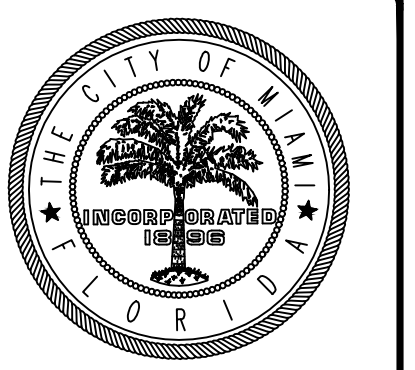


IT IS NOTED ON THE DRAWINGS THAT THE SPORTS LIGHTING SCOPE OF WORK WILL BE PERFORMED BY OTHERS. MUSCO LIGHTING (MUSCO) AND MUSCO'S ELECTRICAL CONTRACTOR, WILL WORK UNDER A SEPARATE CONTRACT ON THE REMOVAL OF EXISTING AND INSTALLATION OF ALL NEW SPORTS LIGHTING POLES AND FIXTURES. FURTHERMORE, THE SPORTS LIGHTING WORK WILL BE PERFORMED CONCURRENTLY WITH THE CONTRACTOR'S WORK.

THEREFORE, THE CONTRACTOR WORKING ON THIS PROJECT CLEARLY UNDERSTANDS THAT HE IS SOLELY RESPONSIBLE FOR THE COORDINATION OF ITS WORK WITH MUSCO, AND MUSCO'S ELECTRICAL CONTRACTOR'S WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE AND MANAGE ALL THE FIELD OPERATIONS TO ALLOW FOR A TIMELY AND COORDINATED INSTALLATION OF ALL THE WORK, INCLUDING THE SPORTS LIGHTING WORK BY OTHERS. THE CITY OF MIAMI MAY ASSIST IN THE COORDINATION WITH MUSCO WHEN NECESSARY.

TENNIS COURTS LIGHTING POLES LAYOUT PROVIDED BY MUSCO LIGHTING.

PERMIT SET



CITY OF MIAMI
CAPITAL IMPROVEMENTS
AND TRANSPORTATION
PROGRAM

MORNINGSIDE PARK TENNIS COURTS

SITE PLAN

DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
CHECKED: N.T.
REVISIONS:

07.11.16 GENERAL REVISION

JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:

NORMA T. ALVAREZ, P.E.
FL. REG. 10612

SEAL

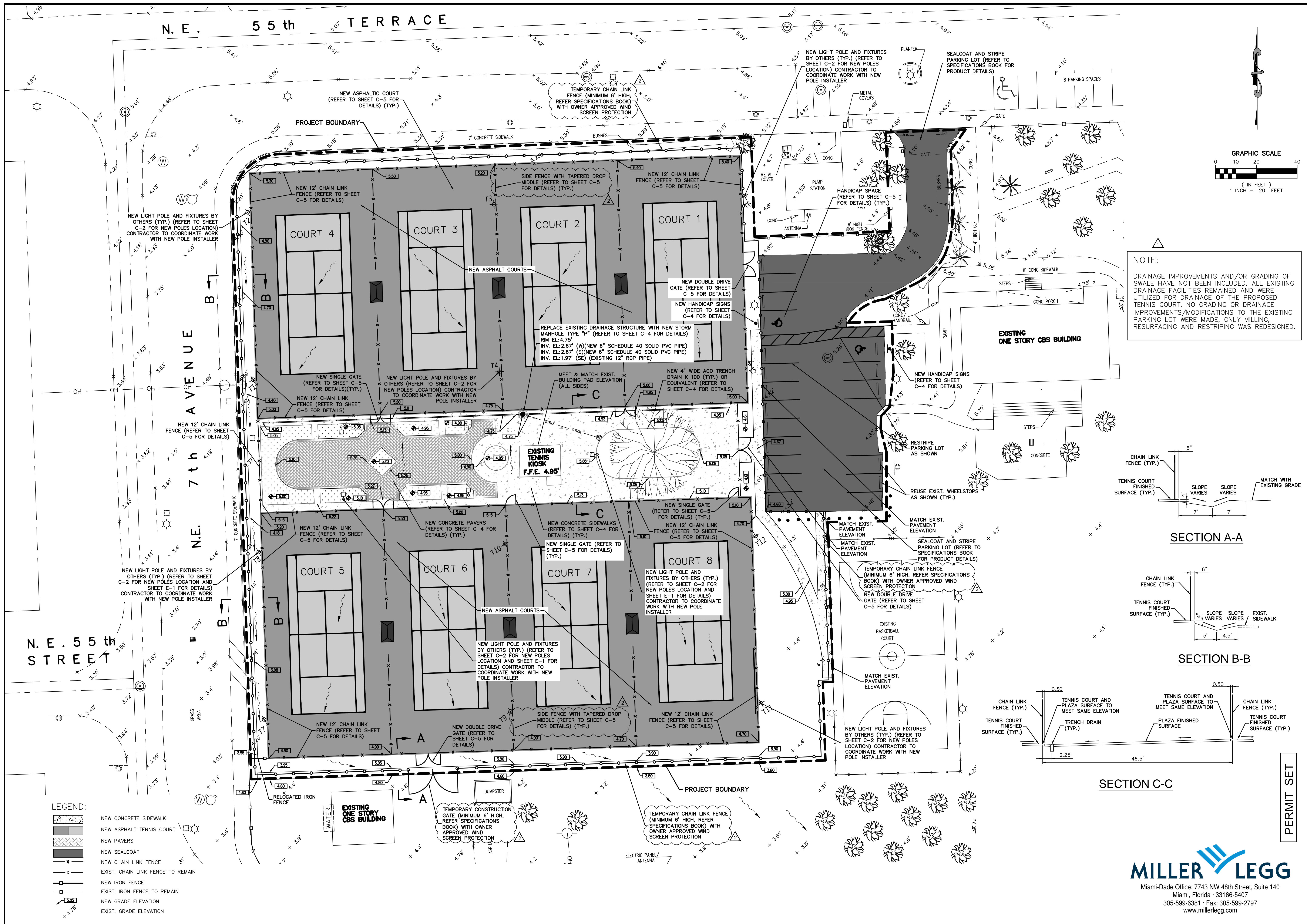
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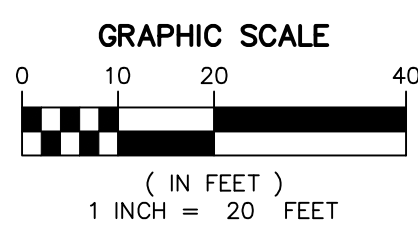
C-2

OF 6 SHEETS

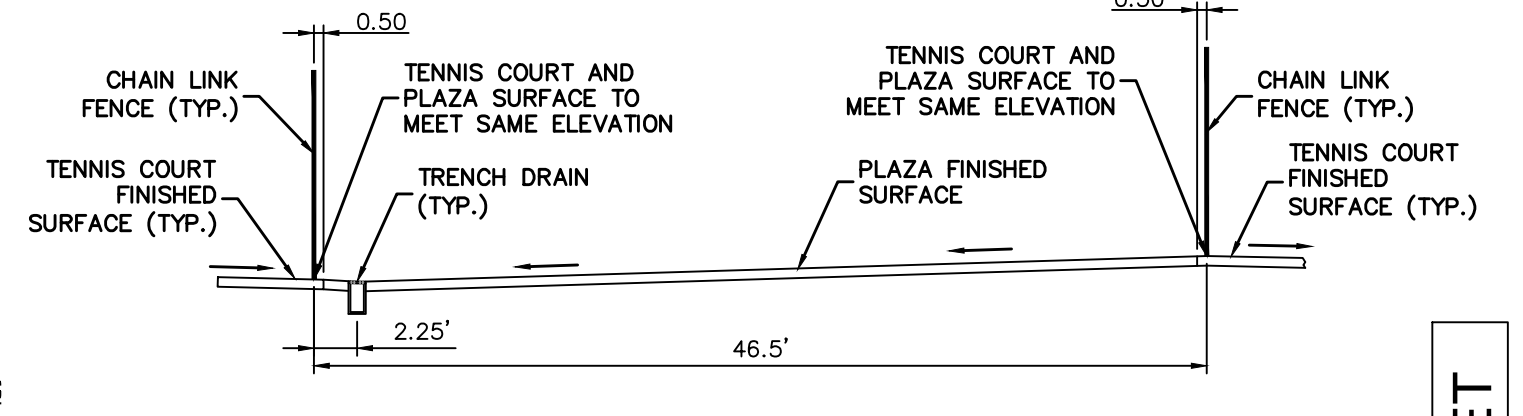
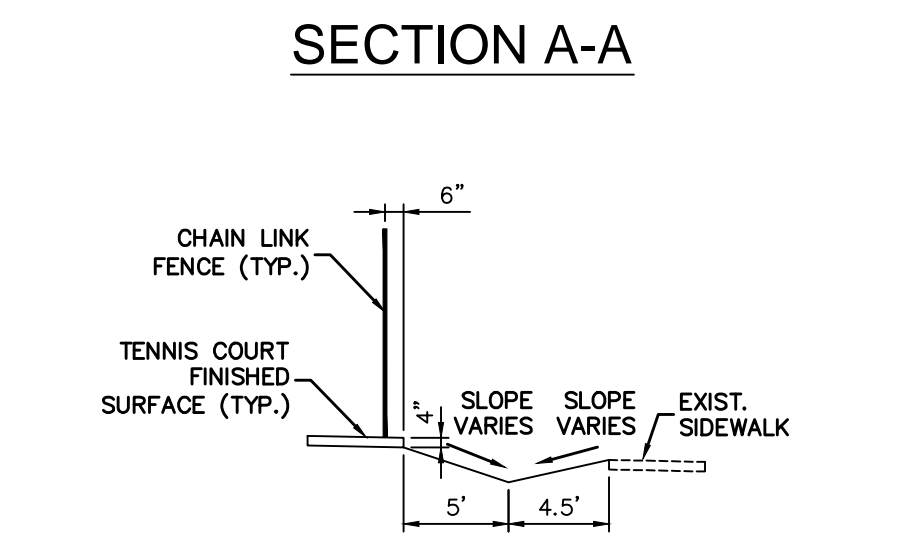
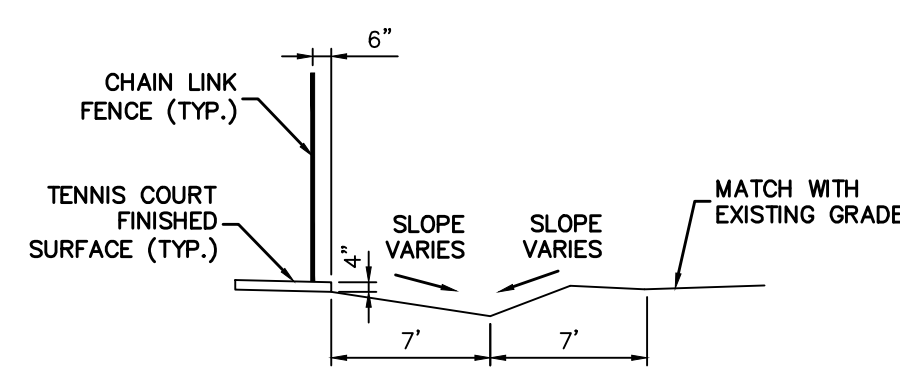
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MORNINGSIDE PARK TENNIS COURTS
PAVING, GRADING AND DRAINAGE PLAN



NOTE:
DRAINAGE IMPROVEMENTS AND/OR GRADING OF SWALE HAVE NOT BEEN INCLUDED. ALL EXISTING DRAINAGE FACILITIES REMAINED AND WERE UTILIZED FOR DRAINAGE OF THE PROPOSED TENNIS COURT. NO GRADING OR DRAINAGE IMPROVEMENTS/MODIFICATIONS TO THE EXISTING PARKING LOT WERE MADE. ONLY MILLING, RESURFACING AND RESTRIPING WAS REDESIGNED.



PERMIT SET

- LEGEND:**
- NEW CONCRETE SIDEWALK
 - NEW ASPHALT TENNIS COURT
 - NEW PAVERS
 - NEW SEALCOAT
 - NEW CHAIN LINK FENCE
 - EXIST. CHAIN LINK FENCE TO REMAIN
 - NEW IRON FENCE
 - EXIST. IRON FENCE TO REMAIN
 - NEW GRADE ELEVATION
 - EXIST. GRADE ELEVATION

DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
CHECKED: N.T.
REVISIONS:
▲ 05.27.16 DERM COMMENTS
▲ 07.07.16 CITY COMMENTS

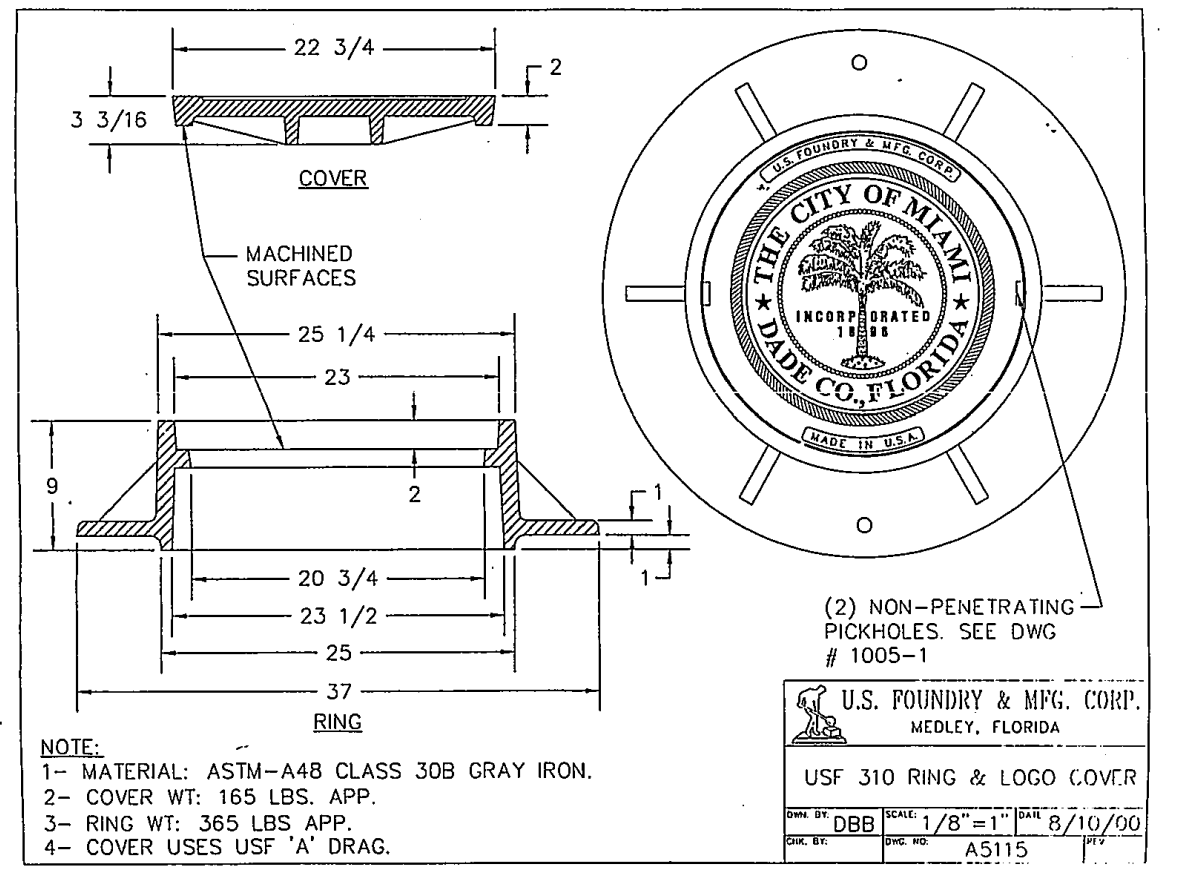
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FILE:

ARCHITECT/ENGINEER:
NORMA T. ALVAREZ, P.E.
FL. REG. 10612
SEAL

SCALE: AS SHOWN

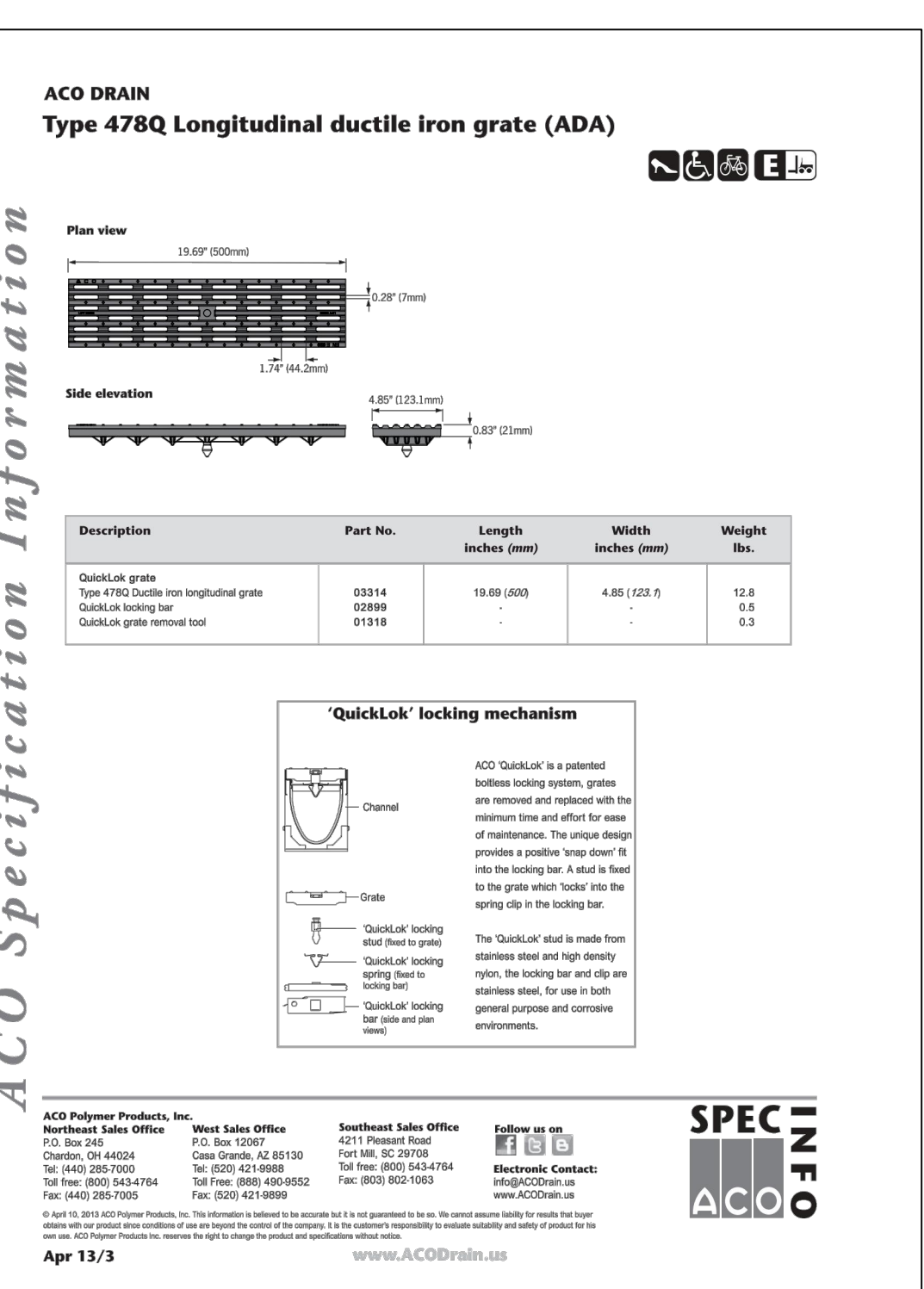
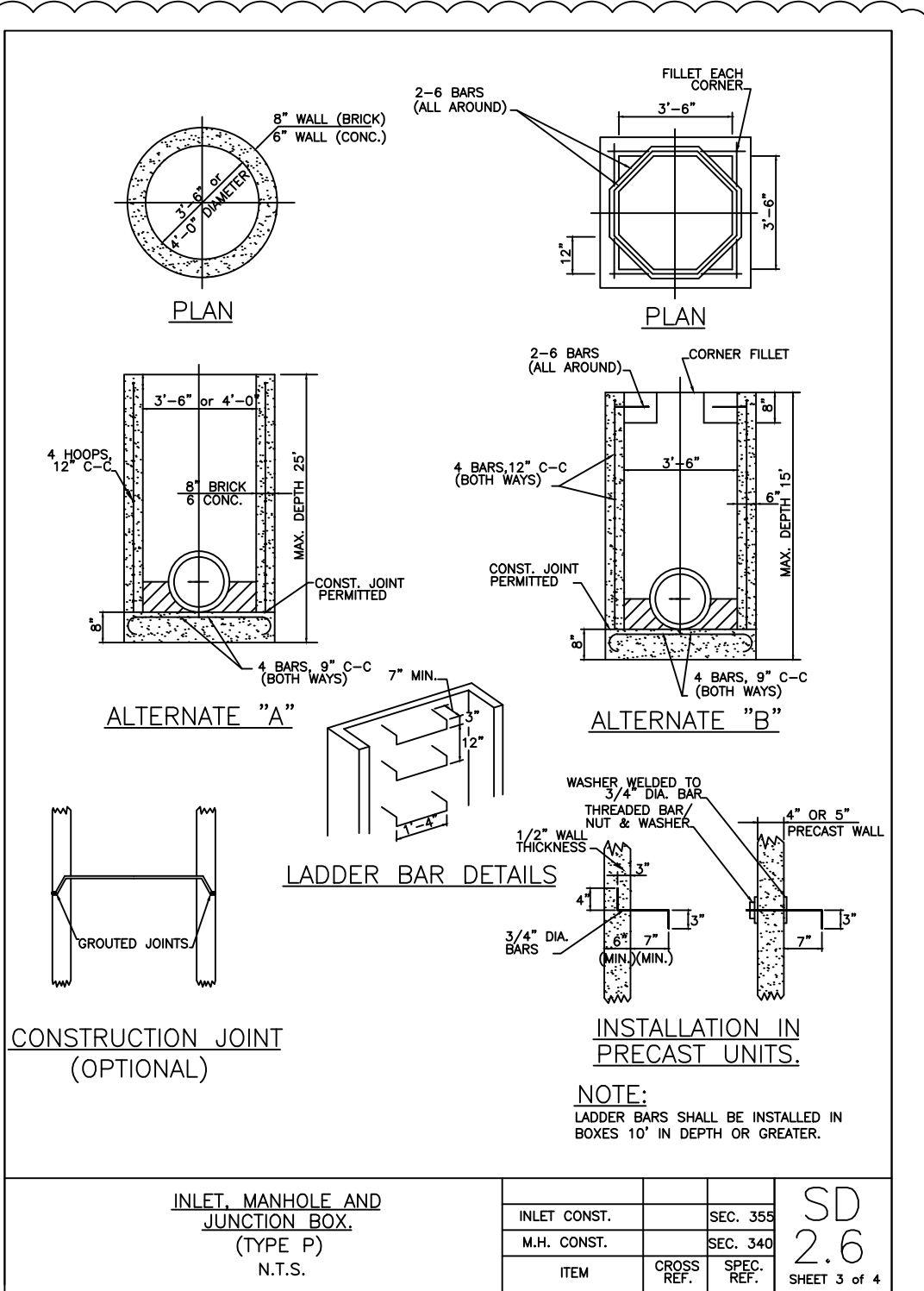
SHEET No.
C-3
OF 6 SHEETS

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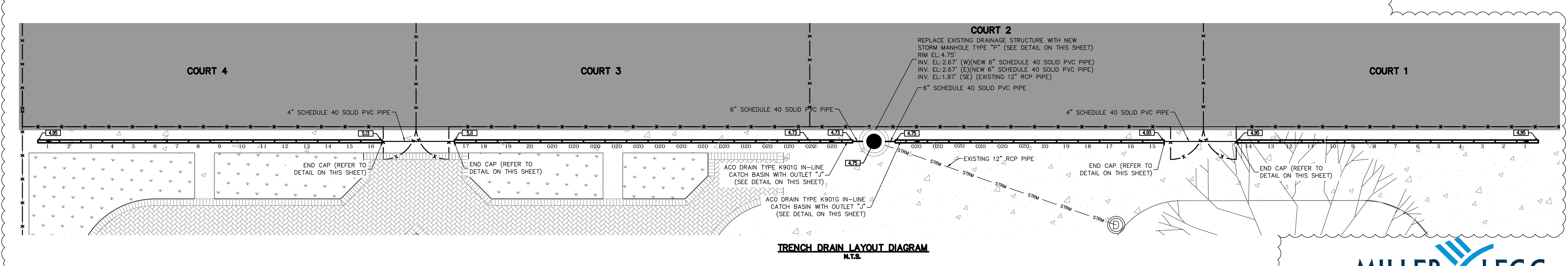
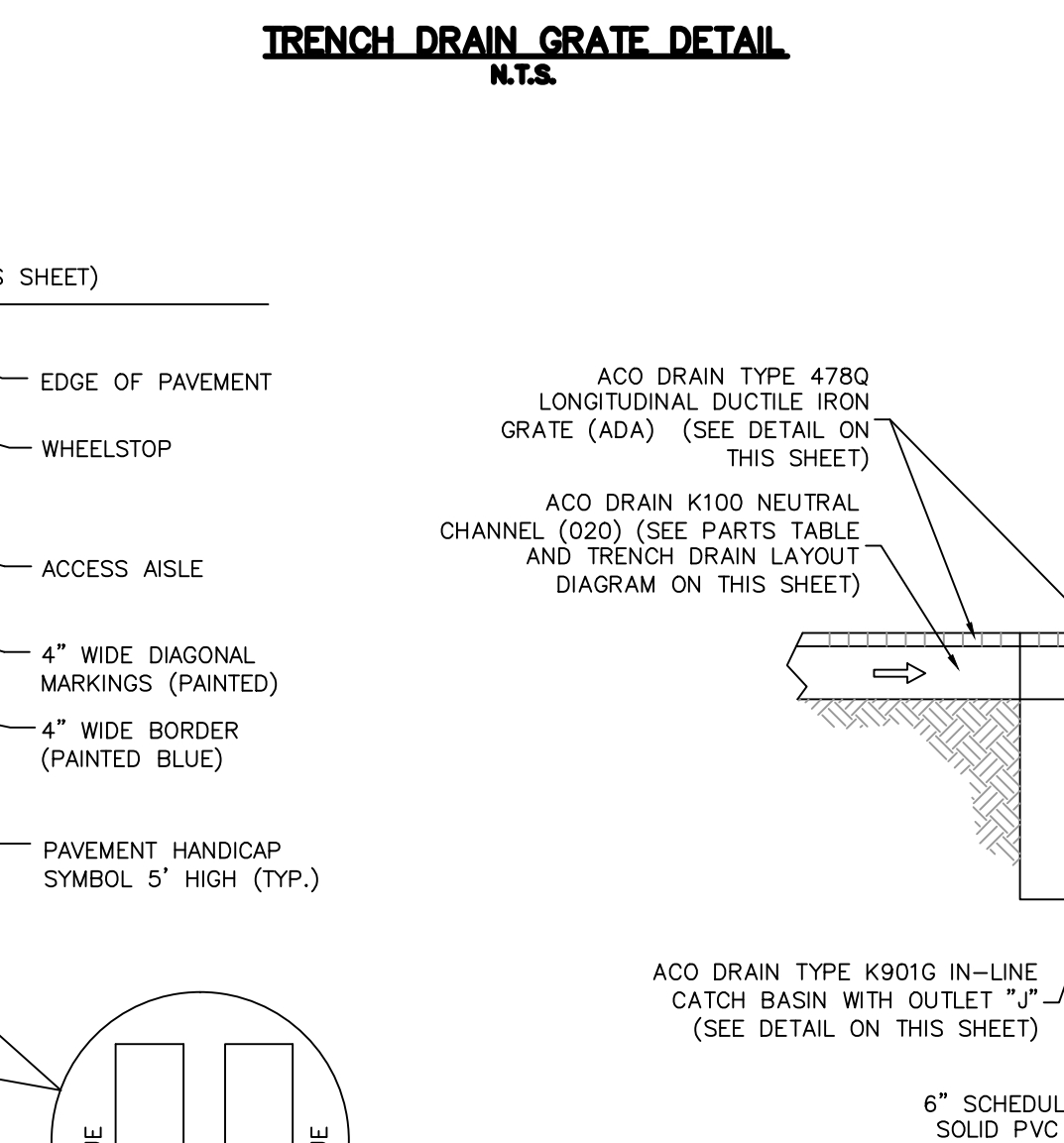
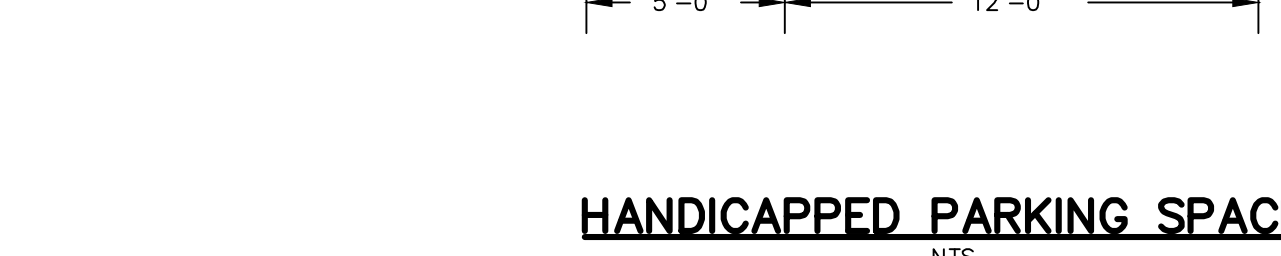
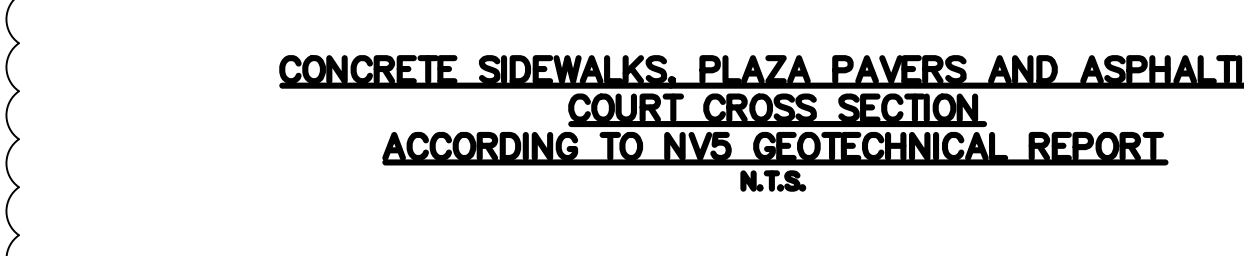
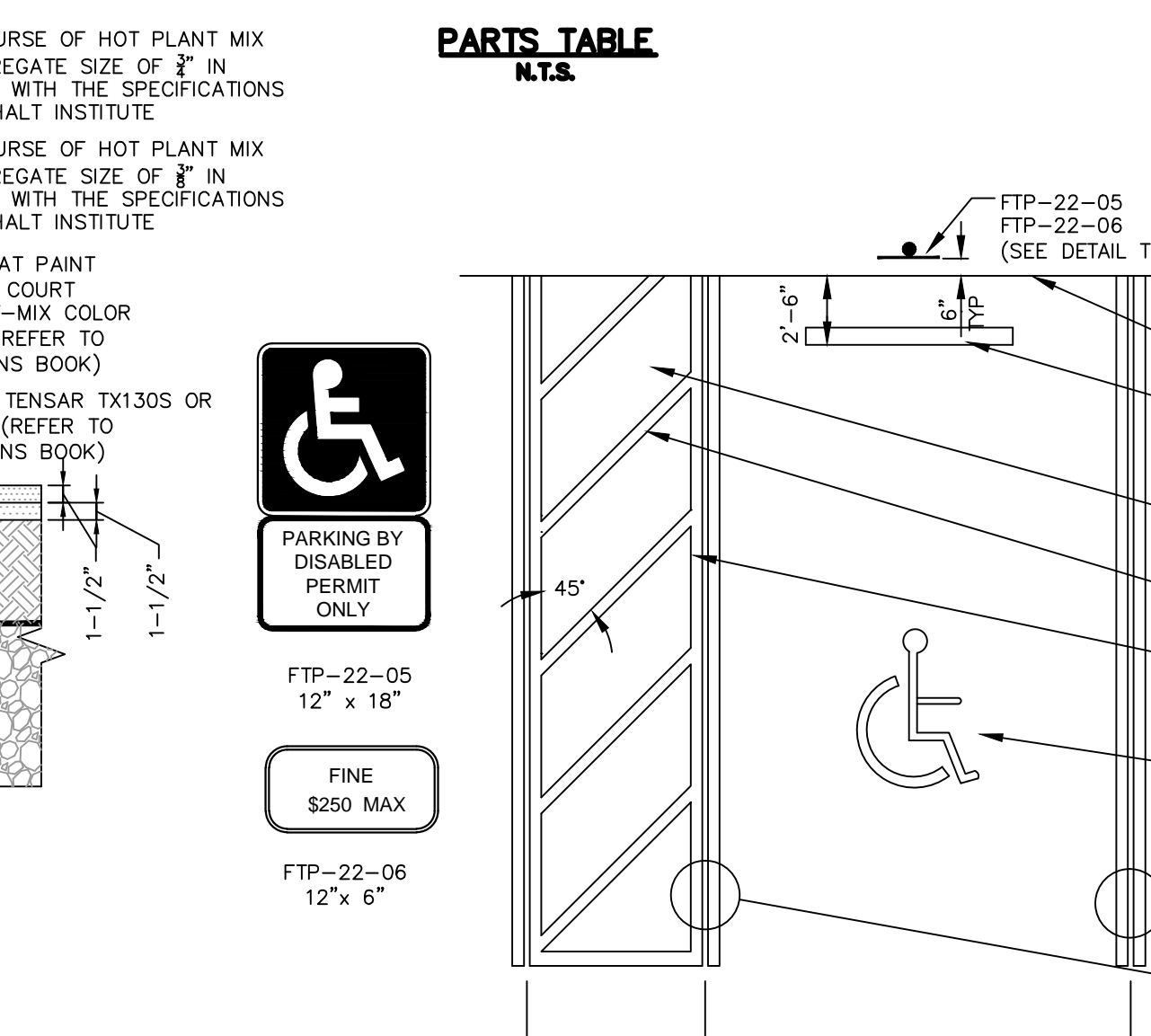
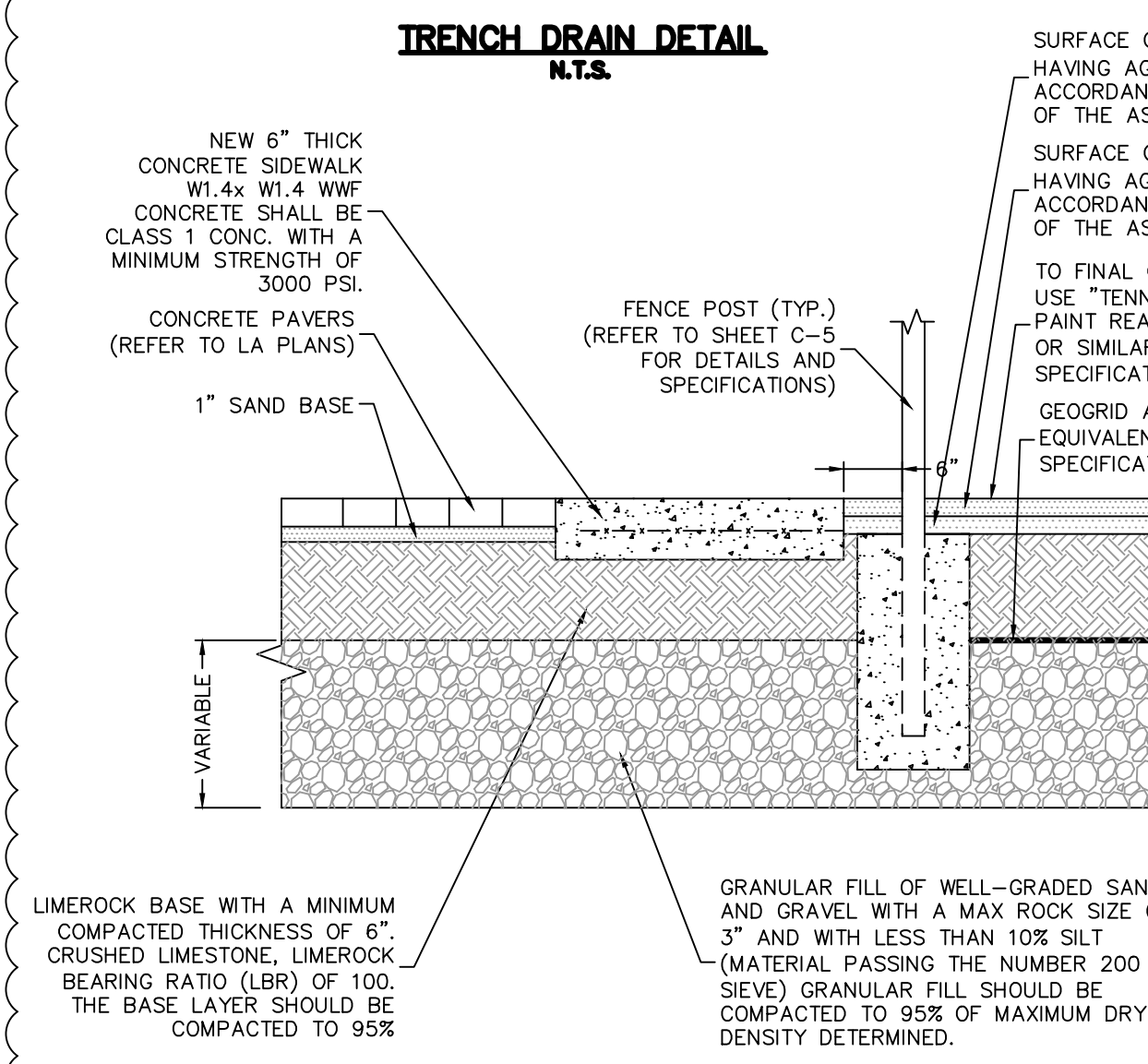
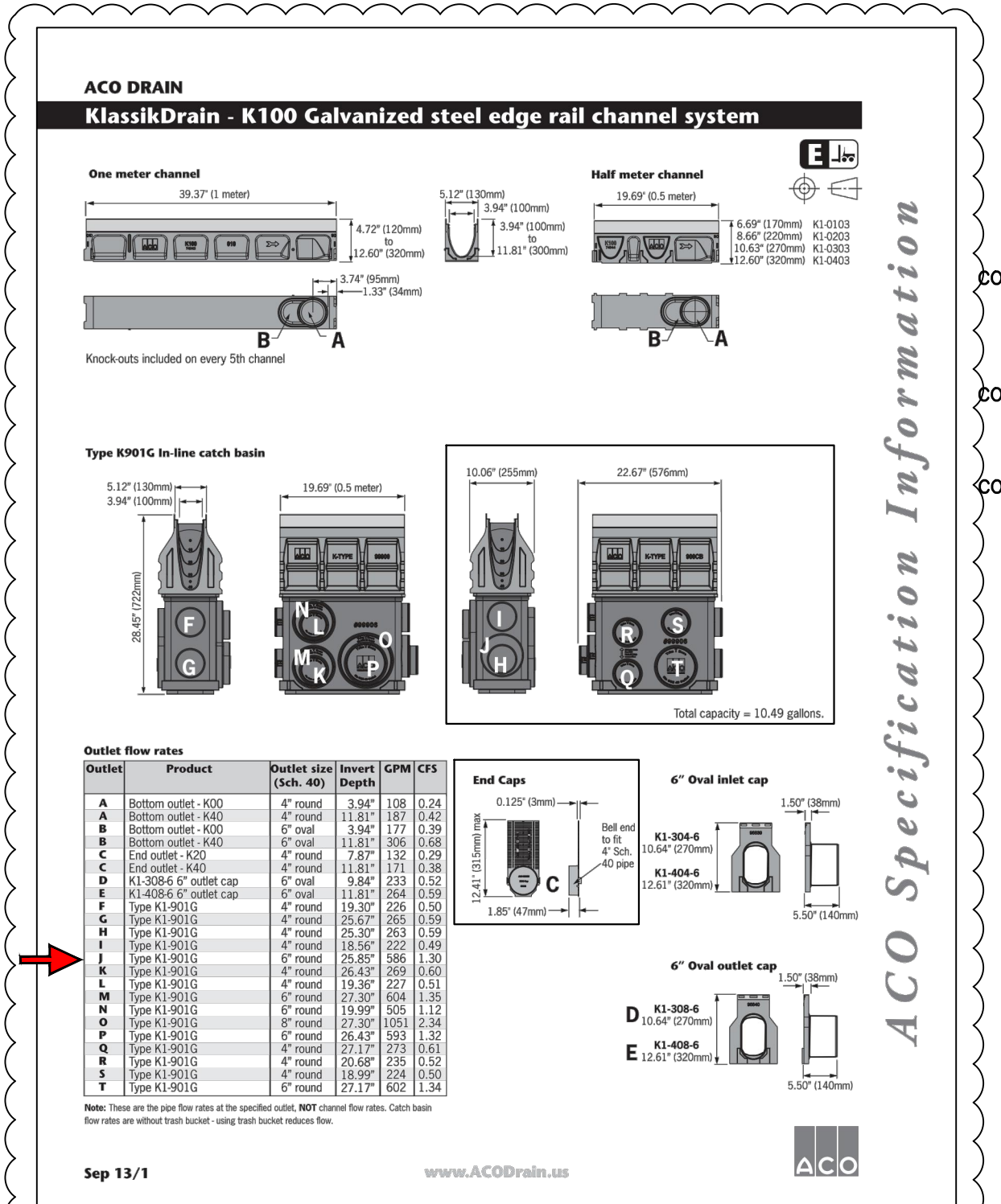
CITY OF MIAMI MANHOLE COVER N.T.S.

NOTE:
 1- MATERIAL: ASTM-A48 CLASS 30B GRAY IRON.
 2- COVER WT: 165 LBS. APP.
 3- RING WT: 365 LBS. APP.
 4- COVER USES USF "A" DRAG.

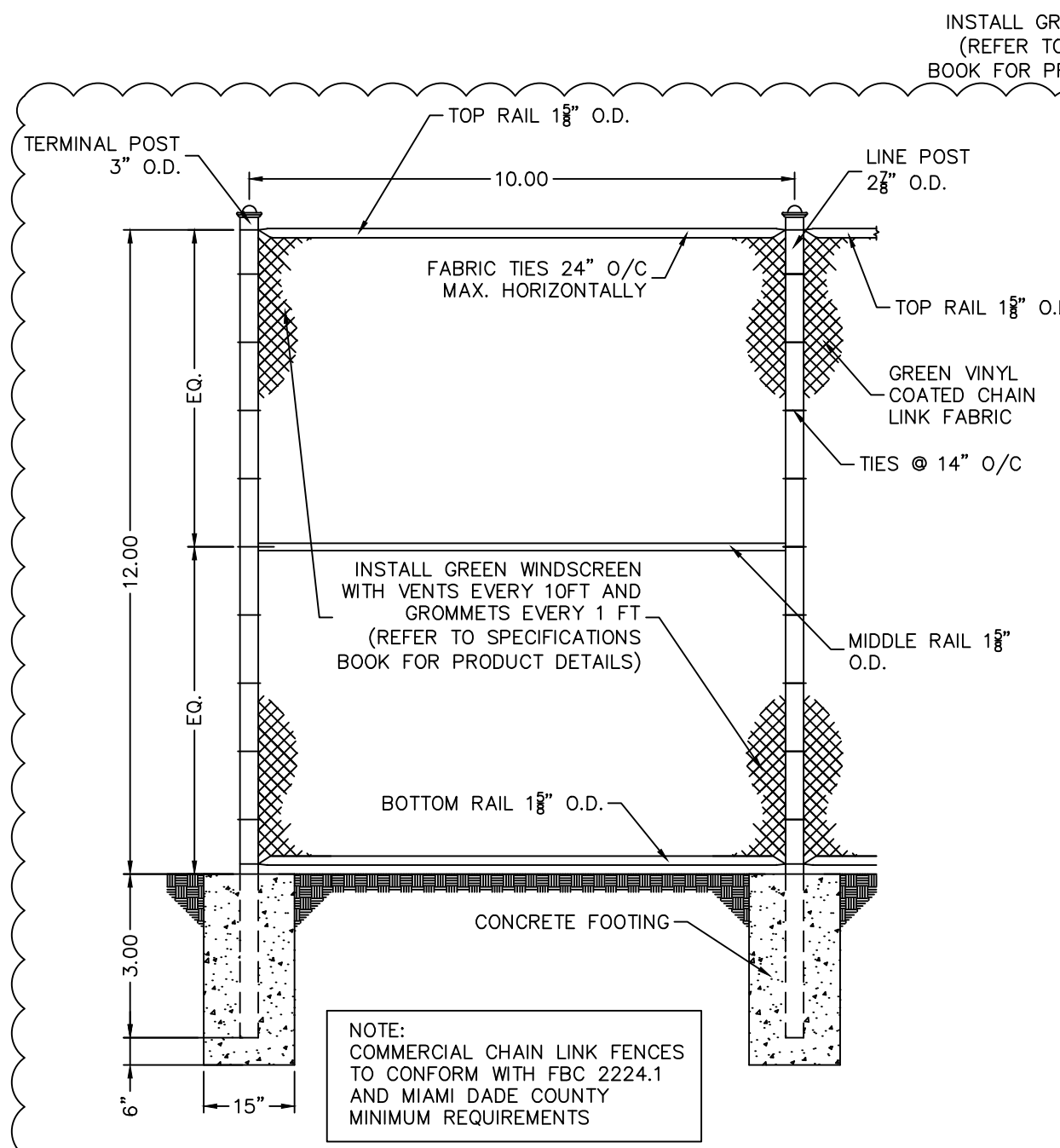


Parts table

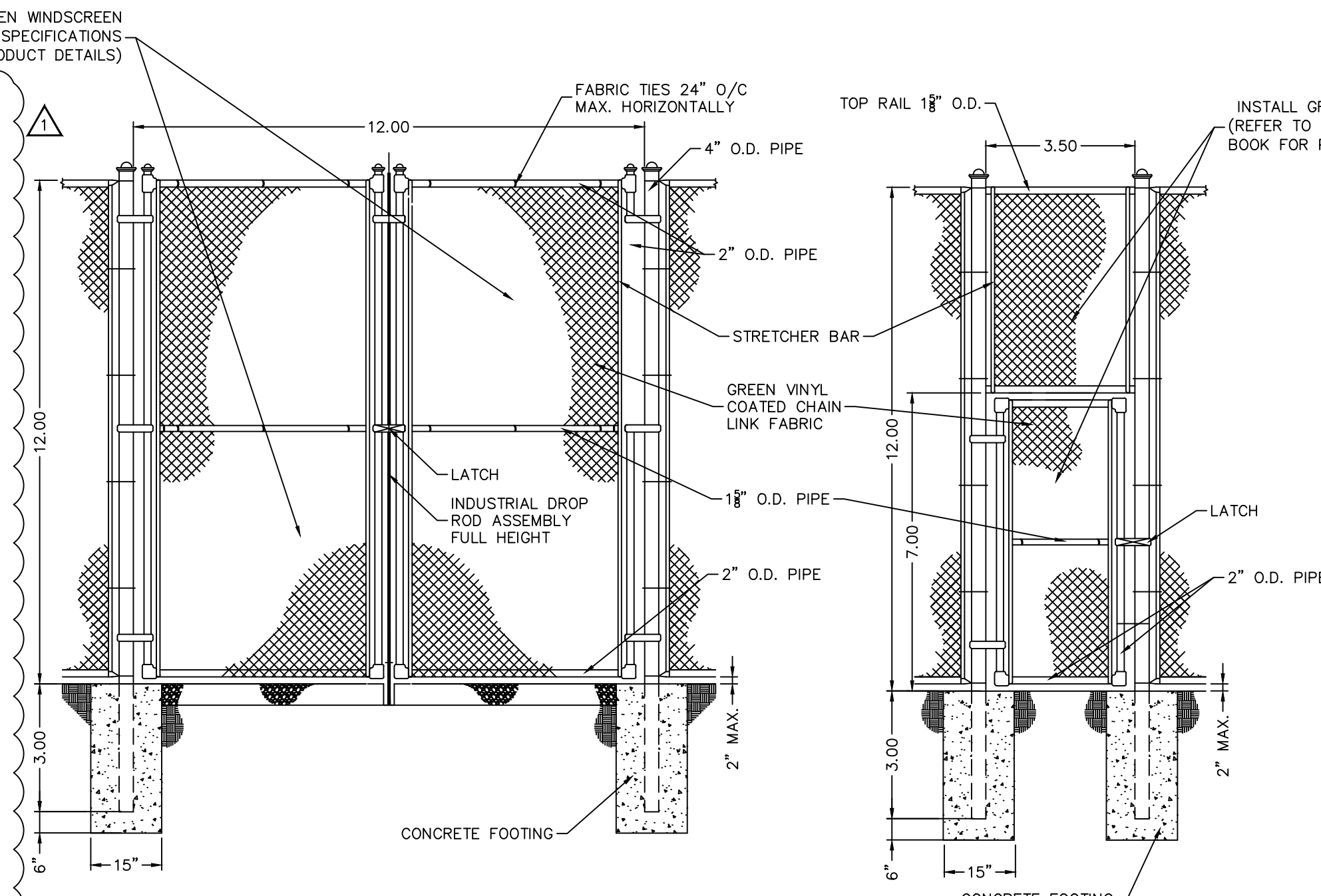
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74003	74003	8.37	8.37	8.37
74004	74004	8.61	8.61	8.61
74005	74005	8.85	8.85	8.85
74006	74006	9.09	9.09	9.09
74007	74007	9.33	9.33	9.33
74008	74008	9.57	9.57	9.57
74009	74009	9.81	9.81	9.81



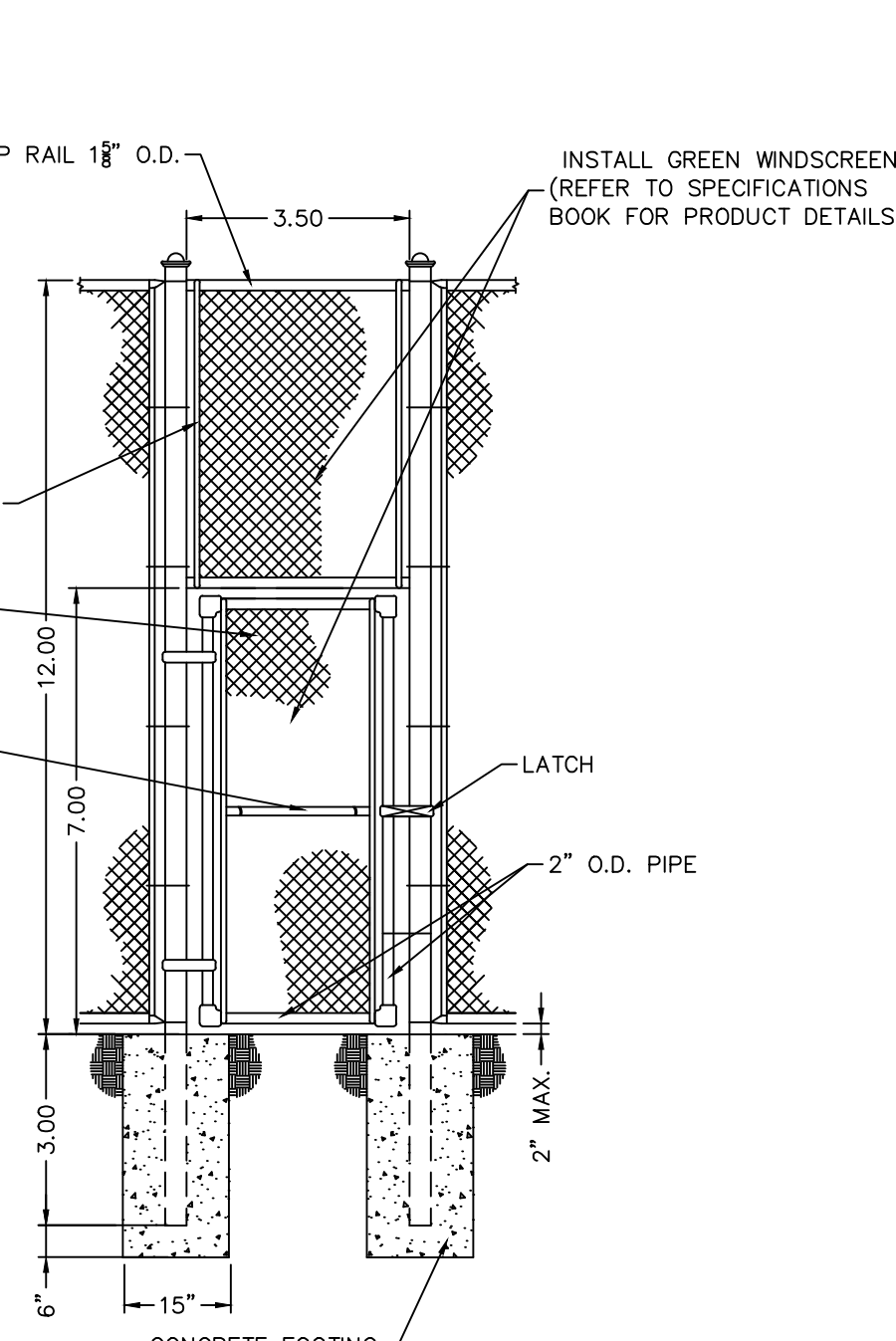
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 305-599-6381 Fax: 305-599-2797
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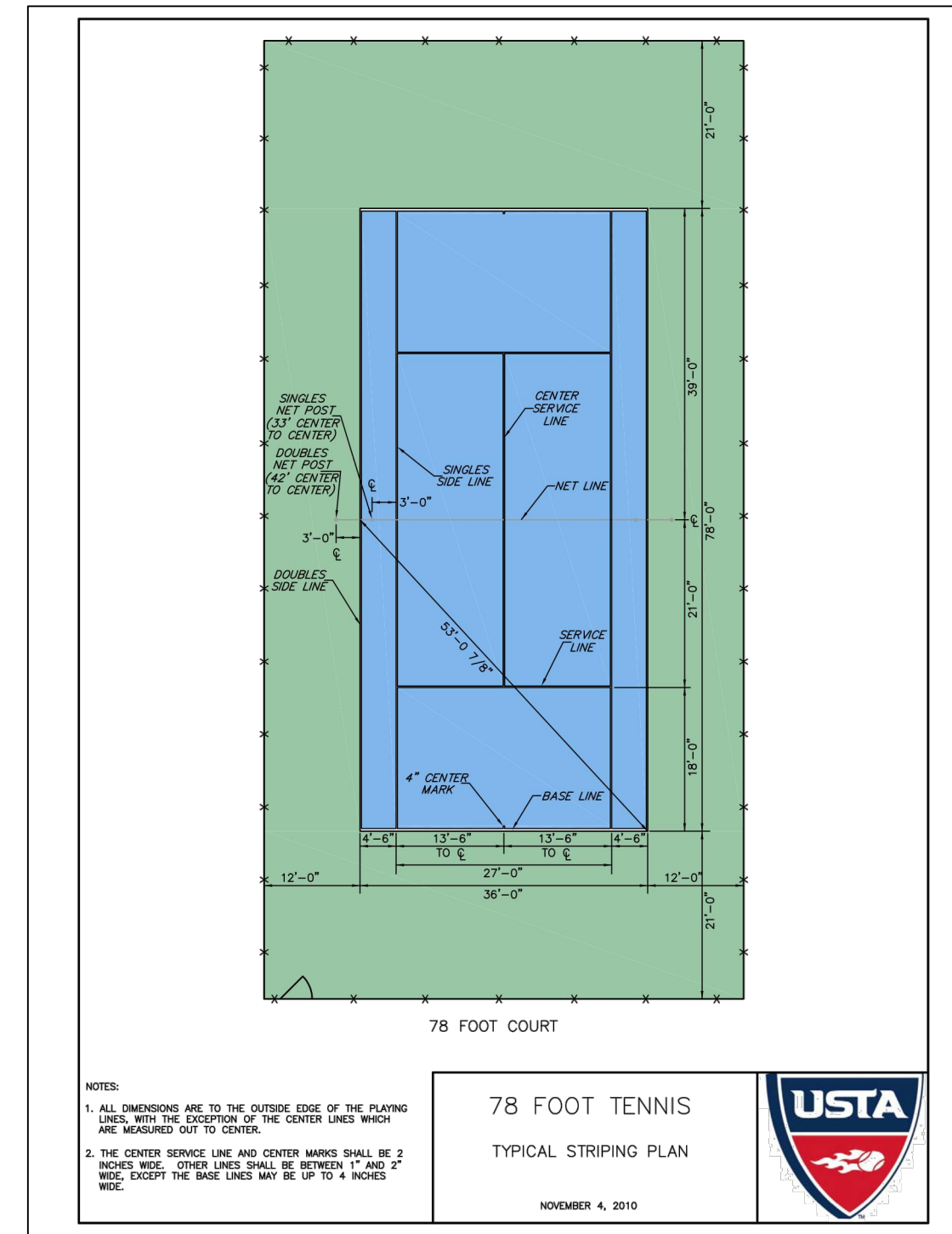
CHAIN LINK FENCE DETAIL
N.T.S.



DOUBLE DRIVE GATE DETAIL
N.T.S.



SINGLE GATE DETAIL
N.T.S.



TENNIS COURT LAYOUT DETAIL
N.T.S.



RALLY MASTER BACKBOARD SPECIFICATIONS

PANEL DETAIL:

- *PANELS TO BE GREEN WITH INTEGRATED WHITE NET LINE
- *SOLID, 3/4" U.V. STABILIZED PLASTIC PANELS, (150 LBS. PER PANEL) TO FENCE POSTS.
- *PANELS ARE 10' HIGH AND AVAILABLE IN ANY 4' WIDE INCREMENT.

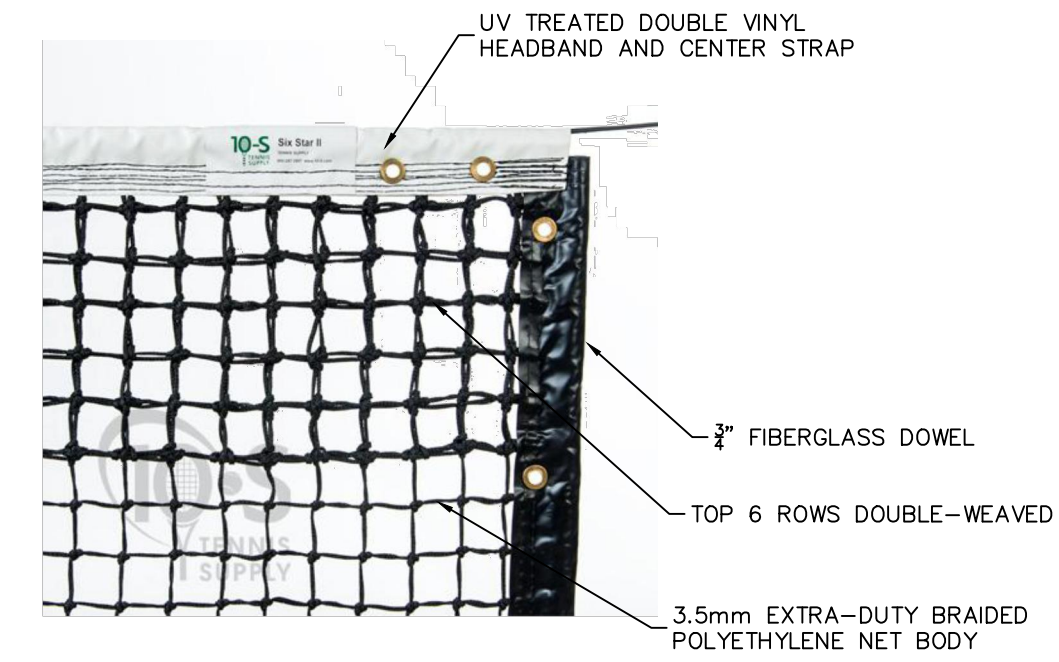
MOUNTING HARDWARE:

- OUR PATENT PENDING MOUNTING SYSTEM INCLUDES ALL MOUNTING HARDWARE.
- *#4 12 GAUGE, GALVANIZED HORIZONTAL PANEL STRUTS ARE MOUNTED HORIZONTALLY TO FENCE POSTS.
- *ALL NUTS, BOLTS, AND MOUNTING BRACKETS ARE CORROSION RESISTANT.
- *PROPRIETARY SELF-STICK SOUND DAMPENERS.
- *ALUMINUM SUPPORT POSTS ARE 6061T6
- *INTEGRAL PANEL BOLT INSERTS ARE HYDRAULICALLY-INSTALLED
- *CONNECTOR CASTINGS ARE 6061T6 CAST ALUMINUM.
- *ALUMINUM TIE BACKS ARE 6061T6 ALUMINUM.

RALLY MASTER PRACTICE WALL
N.T.S.

12' CHAIN LINK FENCE MINIMUM REQUIREMENTS:

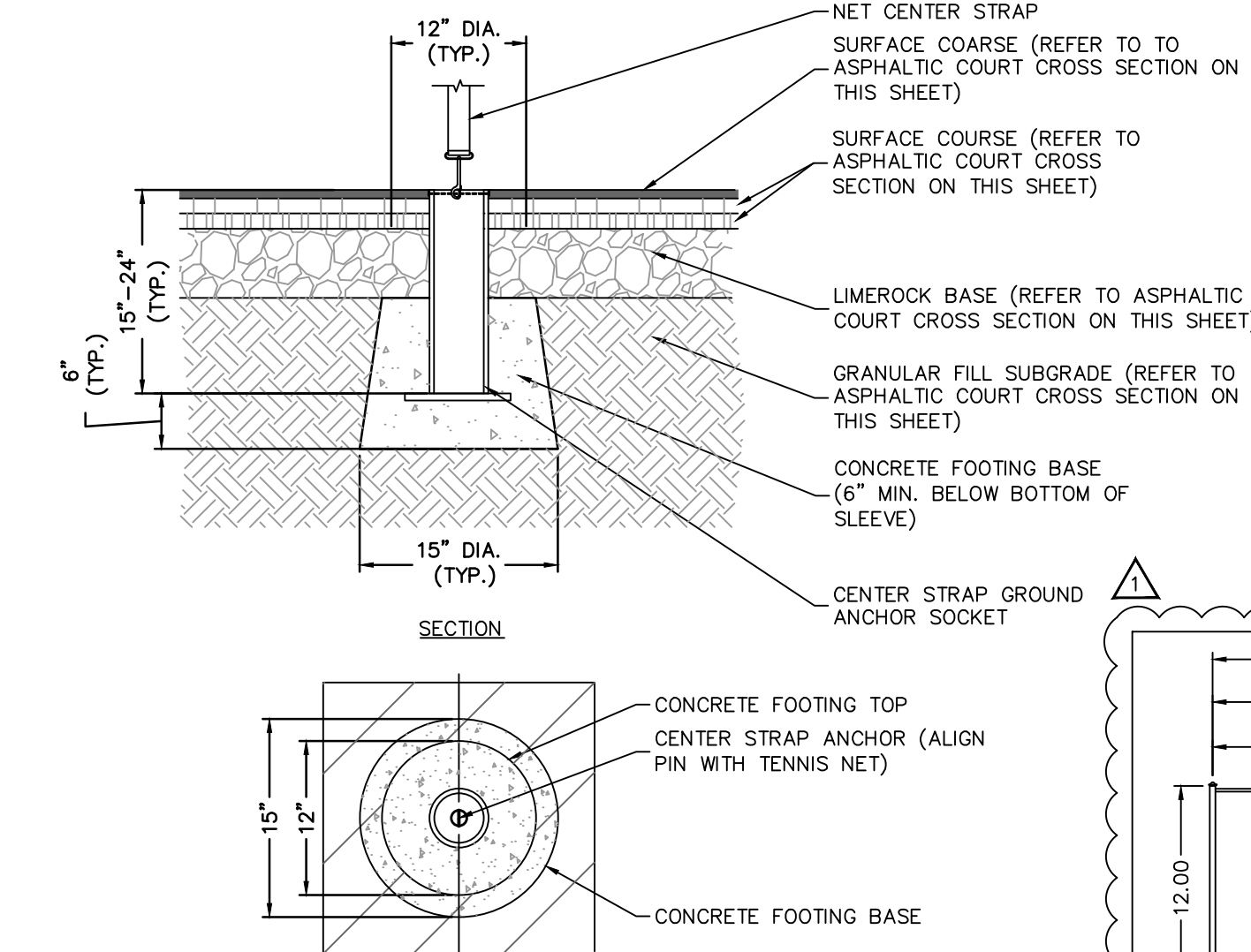
HEAVY DUTY SS 40 GALVANIZED PIPE FRAMEWORK WITH 3 INCH O.D. TERMINAL POSTS, 2-7/8 INCH O.D. LINE POSTS, 1-5/8 INCH O.D. BOTTOM, MIDDLE AND TOP RAILS WITH A GREEN VINYL COATING. INSTALL 12 FEET HIGH FENCE; ZINC COATED HEAVY DUTY STEEL WIRE CHAIN LINK WITH A GREEN VINYL COATING, NINE GAUGE, 2 INCH MESH, FOR A TOTAL OF 360 RUNNING FEET; HINGED WALK GATES. ALL FENCE TO BE HEAVY DUTY CONSTRUCTION. FENCE TO STRETCH THE COMPLETE PERIMETER OF THE COURT.



SIX STAR II TENNIS NET OR EQUAL

3.5MM EXTRA-DUTY BRAIDED POLYETHYLENE NET BODY WITH TOP SIX ROWS OF THE NET BODY DOUBLE WEAVED, UV TREATED DOUBLE VINYL HEADBAND. THE 6 ROWS OF BLACK STITCHING TIGHTLY FASTEN THE NET BODY TO THE HEADBAND AND EXTRA THICK 3/4" FIBERGLASS DOWELS. NET IS COMPLETELY STITCHED TOGETHER. NET SHALL BE "TAPERED" FROM 42" AT THE SIDE TO 36" IN THE MIDDLE TO PROVIDE A CLEAN, UNIFORM CONNECTION WITH THE COURT SURFACE FROM POST TO POST. THE NET CABLE SHALL BE BLACK. NET SHALL BE A 5 YEAR, PRO-RATED WARRANTY.

TENNIS NET DETAIL
N.T.S.



NOTE: CONCRETE FOOTING BASE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. FOOTING BASE CONFIGURATION/SHAPE MUST BE FORMED AND SHAPE MAINTAINED TO MINIMIZE POTENTIAL OF CRACKING OF COURT PAVEMENT ABOVE FOOTING LIMITS.

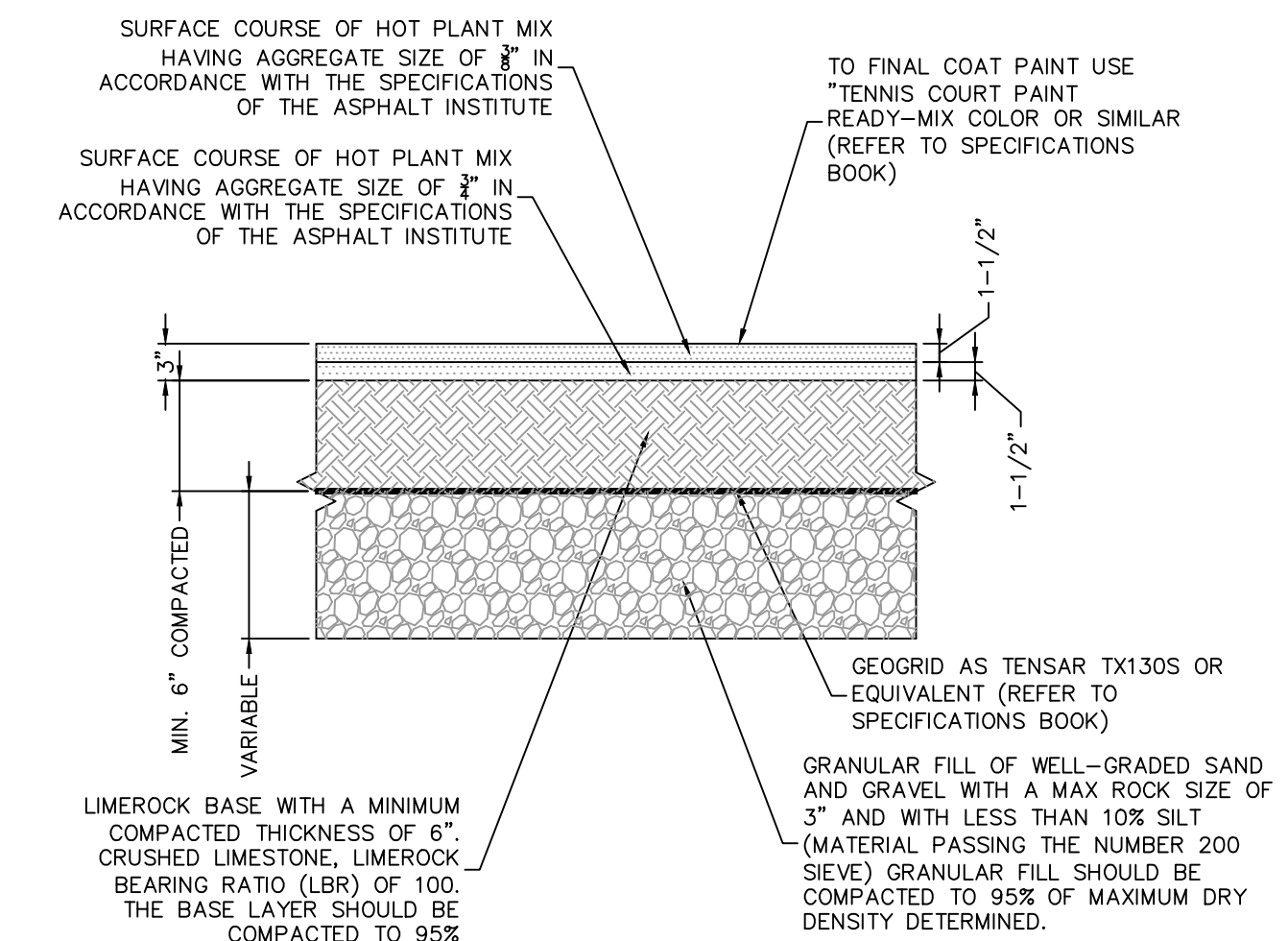
TENNIS NET CENTER STRAP ANCHOR DETAIL
N.T.S.

FRASER EDWARDS CTR-3 OR EQUAL

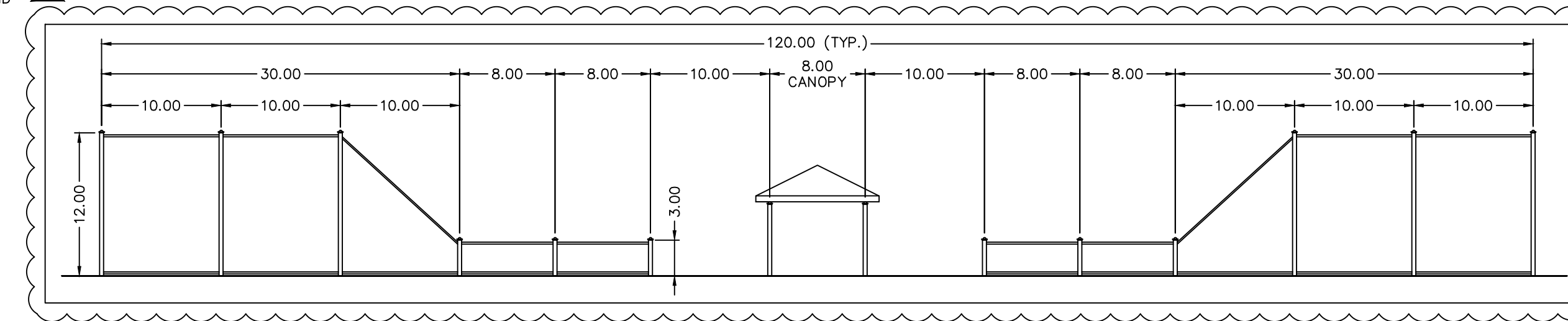
STEEL POSTS COATED WITH GREEN OR BLACK ACRYLIC URETHANE. THE CHROME AND STAINLESS STEEL WINDING MECHANISMS UTILIZE A RUST-RESISTANT INTERNAL WORM-GEAR WINDER THAT IS JAM RESISTANT AND SELF LOCKING TO PREVENT RECOIL DURING TIGHTENING. THE HANDLE IS REMOVABLE AND THE NET LACING RODS ARE WELDED TO THE POSTS.

COMPLETE WITH SPECIAL GROUND-SLEEVES AND CENTER NET ANCHOR. AVAILABLE IN BLACK OR GREEN.

TENNIS NET POST DETAIL
N.T.S.



ASPHALTIC COURT CROSS SECTION ACCORDING TO NVS GEOTECHNICAL REPORT
N.T.S.

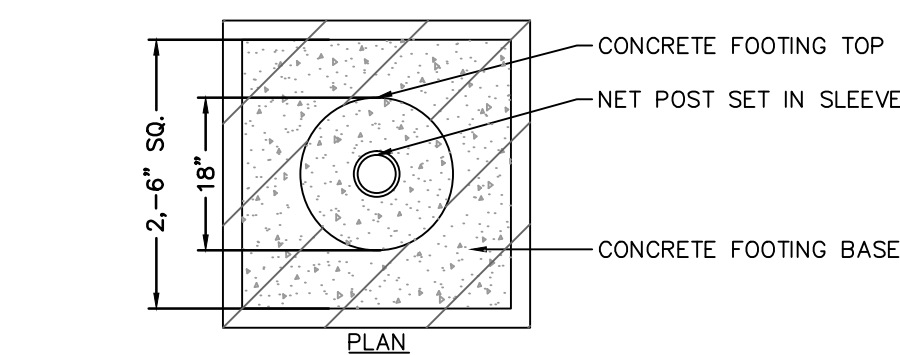


SIDE FENCE WITH TAPERED DROP MIDDLE
SCALE: 1"=10'-0"



TENNIS NET POST FOOTING
N.T.S.

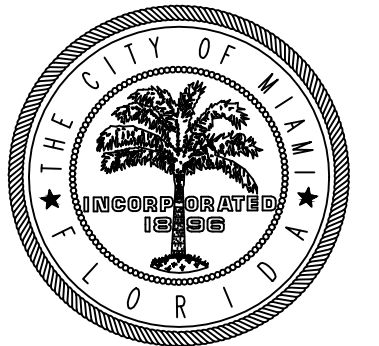
NOTE: CONCRETE FOOTING BASE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. FOOTING BASE CONFIGURATION/SHAPE MUST BE FORMED AND SHAPE MAINTAINED TO MINIMIZE POTENTIAL OF CRACKING OF COURT PAVEMENT ABOVE FOOTING LIMITS.



TENNIS COURTS:

REFER TO SPECIFICATIONS BOOK FOR PRODUCT DETAILS ON FINAL COAT PAINT AND COURT STRIPING MATERIALS.

COURT COLORS TO BE SELECTED BY OWNER.



CITY OF MIAMI
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM

MORNINGSIDE PARK TENNIS COURTS

TENNIS COURT DETAILS

DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
CHECKED: N.T.
REVISIONS:

07.07.16 CITY COMMENTS

JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
NORMA T. ALVAREZ, P.E.
FL. REG. 10612
SEAL

SCALE: AS SHOWN

SHEET No.

C-5

OF 6 SHEETS

PERMIT SET



DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
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REVISIONS:
▲ 07.07.16 CITY COMMENTS

JOB No. B-40534
FILE:

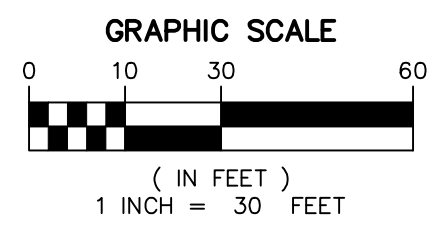
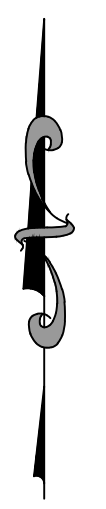
ARCHITECT/ENGINEER:
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FL. REG. 10612
SEAL

SCALE: AS SHOWN

SHEET No.

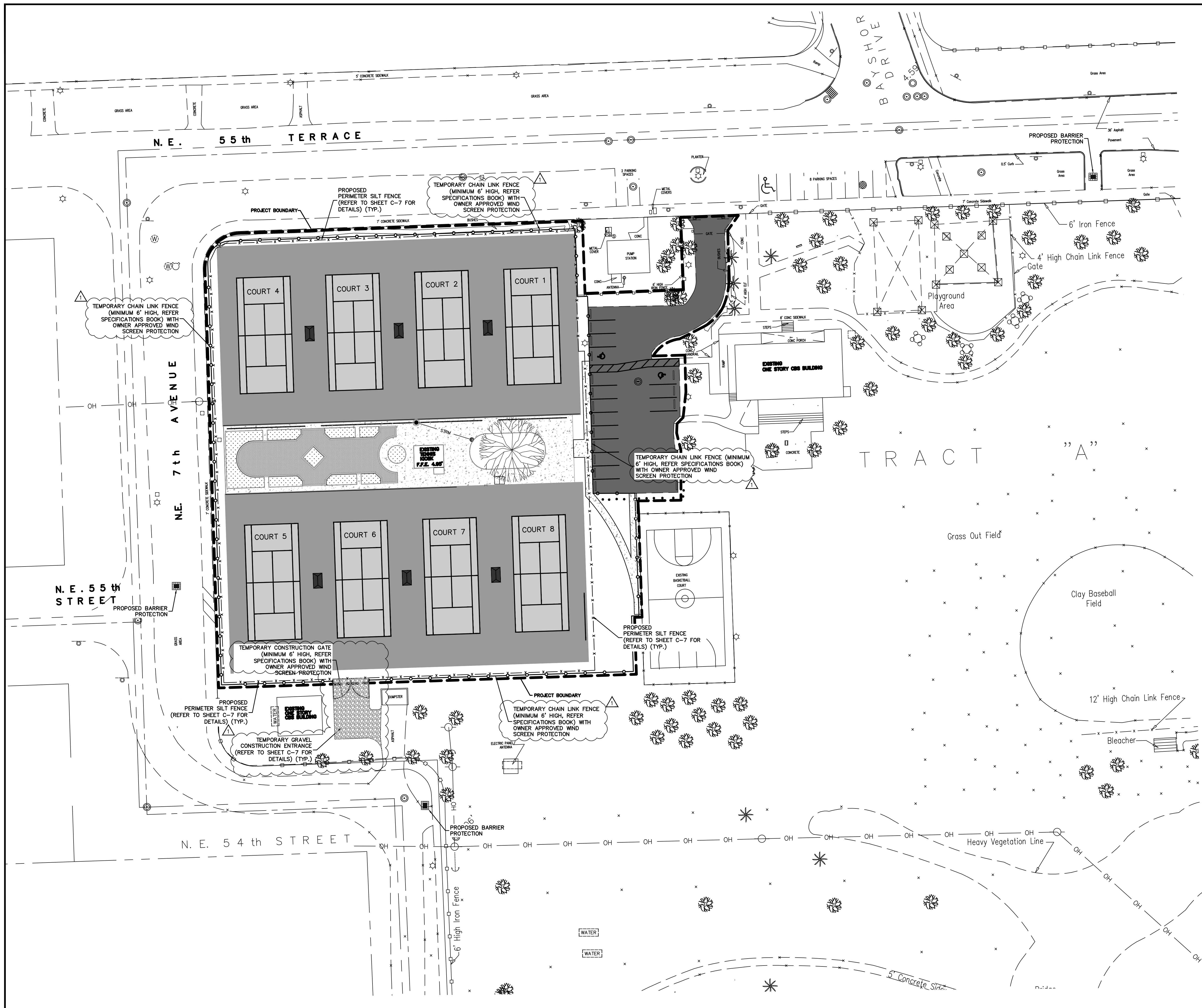
C-6

OF 6 SHEETS



LEGEND:

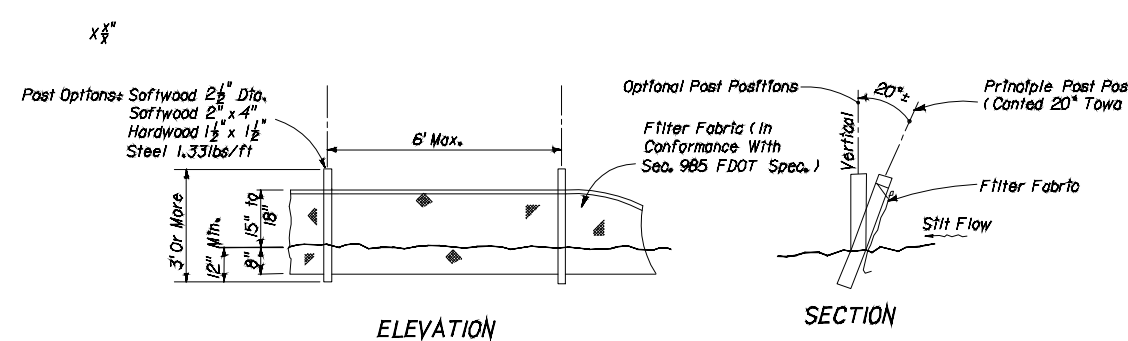
	TEMPORARY SILT FENCE
	TEMPORARY CHAIN LINK FENCE
	BARRIER PROTECTION



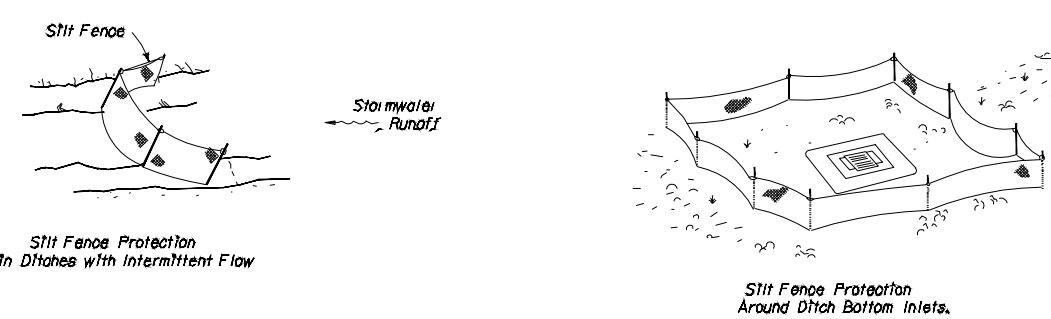
PERMIT SET

MILLER LEGG
Miami-Dade Office: 7743 NW 48th Street, Suite 140
Miami, Florida 33166-5407
305-599-6381 · Fax: 305-599-2797
www.millerlegg.com

SWPPP-DETAILS



**SILT FENCE DETAIL
N.T.S.**



NOTES

- SPACING FOR TYP III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS OF DRAINAGE STRUCTURES SHEET 2 OF 3 PER 2010 FOOT DESIGN STANDARDS INDEX 102
- 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

SWPPP - NARRATIVE

1. PROJECT / SITE DESCRIPTION

a. CONSTRUCTION ACTIVITY
REPLACEMENT OF EXISTING 7 TENNIS COURTS, ADDITION OF ONE NEW TENNIS COURT, REFURBISHMENT OF EXISTING PLAZA, SEAL COAT EXISTING PARKING LOT, AND NEW IRRIGATION SYSTEM.

PROJECT LIMITS:
REFER TO PLAN C-6

PROJECT DESCRIPTION:
REPLACEMENT OF EXISTING 7 TENNIS COURTS, ADDITION OF ONE NEW TENNIS COURT, REFURBISHMENT OF EXISTING PLAZA, SEAL COAT EXISTING PARKING LOT, AND NEW IRRIGATION SYSTEM.

b. MAJOR SOIL DISTURBING ACTIVITIES
- INSTALLATION OF TRENCH DRAIN
- CLEARING & GRUBBING

c. TOTAL PROJECT AREA:
ACRE : 1.60 AC

TOTAL AREA TO BE DISTURBED:
ACRE : NA

d. (1) RUNOFF COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION:
BEFORE: NA
DURING: NA
AFTER: NA

(2) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:
NA

ESTIMATES OF SIZE OF DRAINAGE AREA FOR EACH OUTFALL:
NA

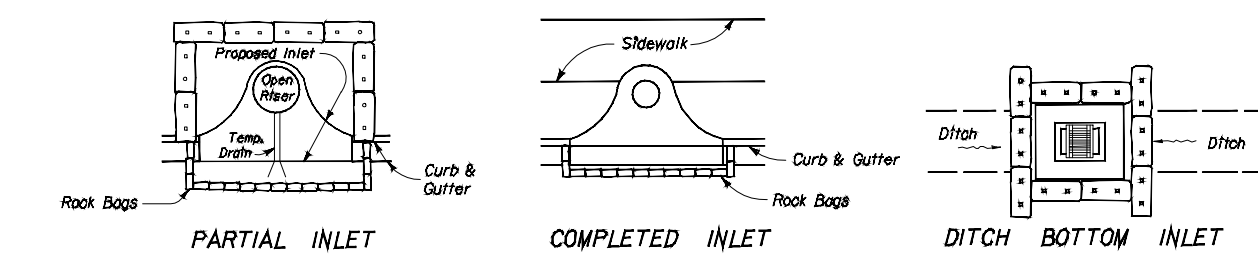
e. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS:
NA

f. (1) NAME OF RECEIVING WATERS:
NA

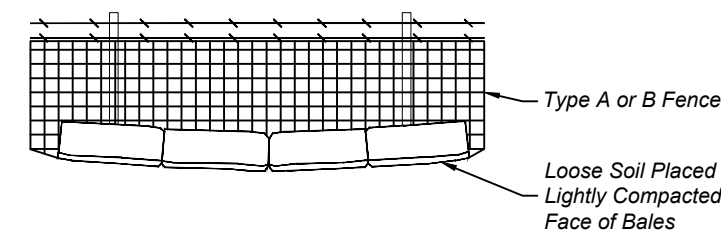
(2) WETLAND AREA:
NA

NOTES

TOTAL ACREAGE OF DISTURBED SOIL: NA
PW NPDES PERMIT No.: NA
DATE ISSUED: NA



**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.**



**BALES BACKED BY FENCE
N.T.S.**

2. CONTROLS

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
SEE GEOTECHNICAL REPORT IN SPECIFICATIONS BOOK

a. EROSION AND SEDIMENT CONTROLS:

- (1) STABILIZATION PRACTICES:
- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT PLANTING, SODDING OR SEEDING
- TEMPORARY MULCHING
- ARTIFICIAL COVERING
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES
- X OTHER: THE CONTRACTOR WILL MAINTAIN THE INLET PROTECTION, SILT FENCE AND WILL PROVIDE DUST CONTROL

(2) STRUCTURAL PRACTICES:

- SAND BAGGING
- SILT FENCES
- WIND SCREEN
- SYNTHETIC BALES
- BERMS
- DIVERSION, INTERCEPTOR OR PERIMETER DITCHES
- PIPE SLOPE DRAINS
- FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER BEDDING AT CONSTRUCTION EXIT
- DITCH LINER
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES
- TURBIDITY BARRIER
- RIP RAP
- OTHER: BARRIER PROTECTION SAND SILT FENCES

b. DESCRIPTION OF STORM WATER MANAGEMENT:

CONTRACTOR SHALL INSTALL AND MAINTAIN THE EROSION AND SEDIMENT CONTROL DESCRIBED HERE IN. AFTER ANY RAIN EVENT, THE CONTRACTOR WILL REPAIR OR REPLACE ANY AFFECTED CONTROLS (SILT FENCE, FILTER FABRIC, SYNTHETIC BALES)

c. OTHER CONTROLS:

- (1) WASTE DISPOSAL:
ANY CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THIS PROJECT WILL BE DISPOSED OFF-SITE AT AN APPROPRIATE WASTE DISPOSAL FACILITY
- a. CONCRETE WASH OUT LOCATIONS WILL BE PROVIDED IN AREAS WHERE THE DISPOSAL MATERIAL WILL BE CONTAINED SO AS TO PREVENT DISCHARGE OUTSIDE OF THE PROJECT LIMITS AND INTO WATERWAYS.
- b. NEW AND EXISTING DRAINAGE STRUCTURES WILL BE PROTECTED WITH SYNTHETIC BALES AND / OR FILTER FABRIC
- c. STAGING AREAS WILL BE LOCATED WITHIN THE PROJECT WORK ZONE UNLESS REQUESTED OTHERWISE FOR APPROVAL
- d. LITTER WILL BE DEPOSITED IN APPROPRIATE LOCATIONS. A DUMPSTER MAY BE PROVIDED AT THE SITE DEPENDING ON THE AMOUNT OF LITTER GENERATED.
- e. LOADED TRUCKS WILL BE COVERED WITH TARPS
- f. SWEEPERS AND / OR WATER TRUCKS WILL BE PROVIDED TO REDUCE DUST DAILY
- g. SOIL PREVENTION TRACKING WILL BE INSTALLED AS PER THE SWPPP AND / OR AS DIRECTED BY CITY INSPECTOR.

- (2) OFFSITE VEHICLE TRACKING:
- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPALIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE
- WATER TRUCK SCHEDULING
- STREET SWEEPING (DAILY)
- OTHER:

- (3) SANITARY WASTE:
REGULARLY AND ADEQUATE MAINTENANCE SHALL BE PROVIDED TO TEMPORARY SANITARY FACILITIES

STORMWATER POLLUTION PREVENTION NOTES

**STORM WATER POLLUTION PREVENTION PRACTICES:
(FOR PROJECTS OF 0.5 ACRE OR MORE - CITY ORDINANCE No. 13081)**

- TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND OR TREE ORDINANCE 12636.
- THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES. FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS MUST BE APPROVED BY THE CITY OF MIAMI - MPDES SECTION, DEPARTMENT OF PUBLIC WORKS.
- ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE SWPPP, ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL INLET ENTRANCES ARE ALSO TO PROTECTED FROM SILTATION AS DETAILED ON SHEET 2 OF 4 OF MISC. 35-89-6.
- ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
- ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
- ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
- DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
- CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
- STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
- INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
- ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 AND CITY ORDINANCE 13081
- THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND / OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 AND CITY ORDINANCE 13081.

* NPDES - NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM AUTHORIZED BY NPDES PERMIT FL 00002.
BMP - BEST MANAGEMENT PRACTICE

(4) FERTILIZERS, PESTICIDES AND TREES:
NUTRIENT FILTERS WILL BE PROVIDED TO THE PLANTERS. PROTECT ALL TREES WITHIN PROJECT LIMITS THAT ARE TO REMAIN AS PER FOOT INDEX No. 544

(5) TOXIC SUBSTANCES:
TOXIC SUBSTANCES WILL NOT BE STORED AT THE SITE

(6) NON-STORM WATER DISCHARGE (INCLUDING SPILL REPORTING)
NON-STORM WATER DISCHARGE ARE ANTICIPATED AT THIS TIME. CONTAMINATED SOIL OR GROUNDWATER ENCOUNTERED SHALL BE REPORTED IMMEDIATELY TO THE CITY PERSONNEL IN ACCORDANCE WITH PW BULLETIN No. 25. WHEN DEWATERING IS IMPLEMENTED, THE WATER WILL BE DEPOSITED IN A CONTROLLED AREA ON-SITE TO PREVENT OFF-SITE DISCHARGE OR AS APPROVED BY PERMIT

(7) EROSION CONTROL DEVICES:
LOCATIONS AND TYPES OF ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS DIRECTED BY PLAN AND / OR BY THE CITY OF MIAMI. CONTRACTOR SHALL IMPLEMENT THE SWPPP AS PER CONTRACT PLANS. HOWEVER, IT MAY BE REVISED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME WORK IS BEING PERFORMED. FIELD MODIFICATION WILL BE APPROVED BY THE CITY OF MIAMI. MONITORING SHALL BE PERFORMED ON A WEEKLY BASIS AND AFTER A 1/2" STORM EVENT WITH ROUTINE MAINTENANCE AND REPLACEMENT OF ANY DEVICES AS REQUIRED. CONTAINMENT OR REMOVAL OF POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY OF MIAMI REGULATIONS AND / OR FOOT STANDARD SPECIFICATIONS. THE RESPONSIBLE PERSONS FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES SHALL BE:

CONTRACTOR: _____ TELEPHONE: _____
IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT PROJECT ENGINEER AT _____

- a. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS: (CHECK ALL THAT APPLY)
- NPDES PERMIT (0.5 ACRE OR MORE)
 - NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR PROJECTS DISTURBING MORE THAN 1 ACRE.
 - MIAMI-DADE DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) CLASS II-STORMWATER MANAGEMENT PERMIT AND DEWATERING PERMIT
 - ENVIRONMENTAL RESOURCES (ER) PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
 - U.S. ARMY CORPS OF ENGINEERS DREDGE AND FILL PERMIT.
 - SOUTH FLORIDA WATER MANAGEMENT DISTRICT DISTRICT (SFWMD) RIGHT-OF-WAY USE PERMIT.
 - PUBLIC WORKS EXCAVATION PERMIT
 - POLICE
 - TREE PERMIT
 - CITY DEWATERING PERMIT

3. MAINTENANCE:
- ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD OF THE HEIGHT OF THE FENCE
- PROTECT ALL INLETS SURROUNDING CONSTRUCTION SITE
- STREET SWEEPING AND DUST PREVENTION MUST BE IMPLEMENT DAILY

4. INSPECTION
- QUALIFIED PERSONNEL FROM THE CITY AND CONTRACTOR SHALL INSPECT THE FOLLOWING ITEMS DAILY THROUGHOUT THE CONSTRUCTION PERIOD
 - PREPARATION OF THE CONTRACTOR'S WEEKLY REPORT OF INSPECTION, MAINTENANCE AND REPAIRS FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE PAY ITEMS. WHERE SITES HAVE BEEN FINALLY STABILIZED. INSPECTIONS SHALL BE CONDUCTED WEEKLY AND SHALL INCLUDE THE FOLLOWING:
 - DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
 - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
 - STRUCTURAL CONTROLS
 - STORMWATER MANAGEMENT SYSTEMS
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE
 - STREET SWEEPING AND DUST CONTROL

- a. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. IF REPAIRS IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT
- b. REMOVE EXCESS DIRT FROM ALL ROADS ADJACENT TO PROJECT AREA ON A DAILY BASIS
- c. SEDIMENT FOUND IN DRAINAGE INSPECTION WILL REQUIRE DRAINAGE SYSTEM CLEANING BY CONTRACTOR

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHECKLIST

- A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
- CLEARING & GRUBBING
 - INSTALL DRAINAGE STRUCTURES
 - STABILIZATION
 - BASE PREPARATION
 - ASPHALT APPLICATION
 - PLACEMENT OF ROCK BAGS AROUND INLETS
 - PLACEMENT OF ROCK BAGS AROUND MANHOLES
 - APPLICATION OF FRICTION COURSE A.C.
 - INSTALLATION OF STREET SIGNING
 - PAVEMENT MARKING
 - REMOVE ROCK BAGS
 - CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE
- B. GENERAL
- APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS
 - ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES
 - ALL CONTROLS SHALL BE INSPECTED DAILY
 - APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS
 - REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL) (305) 416-1200
 - VISIT www.dep.state.fl.us/water/stormwater/npdes/

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS

- TYPE I AND II SYNTHETIC BARRIER SHOULD BE SPACED IN CORACLE WITH CHART I, SHEET 1 PER INDEX 102 OF THE 2010 FOOT DESIGN STANDARDS
- BALES SHALL BE ANCHORED WITH 2-1" x 2" (OR 1" DIA.) x 4' WOOD STAKES, STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT
- RAILS AND POSTS SHALL BE 2x4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER
- ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER
- WHERE USED IN CONJUNCTION WITH SILT FENCE, BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE

THE METHODS OF CONSTRUCTION SHOWN ON THIS PLAN SHALL COMPLY WITH THE FOLLOWING PERMIT:
CITY OF MIAMI MS4 - FL5000002
(MUNICIPAL SEPARATE STORM SEWER SYSTEM PERMIT)
AS REQUIRED UNDER THE FOLLOWING PROGRAM:
N.P.D.E.S.
(NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM)
www.dep.state.fl.us/water/stormwater/npdes/
PLEASE CALL PUBLIC WORKS AT
(305) 416-1200 FOR ADDITIONAL INFORMATION

CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

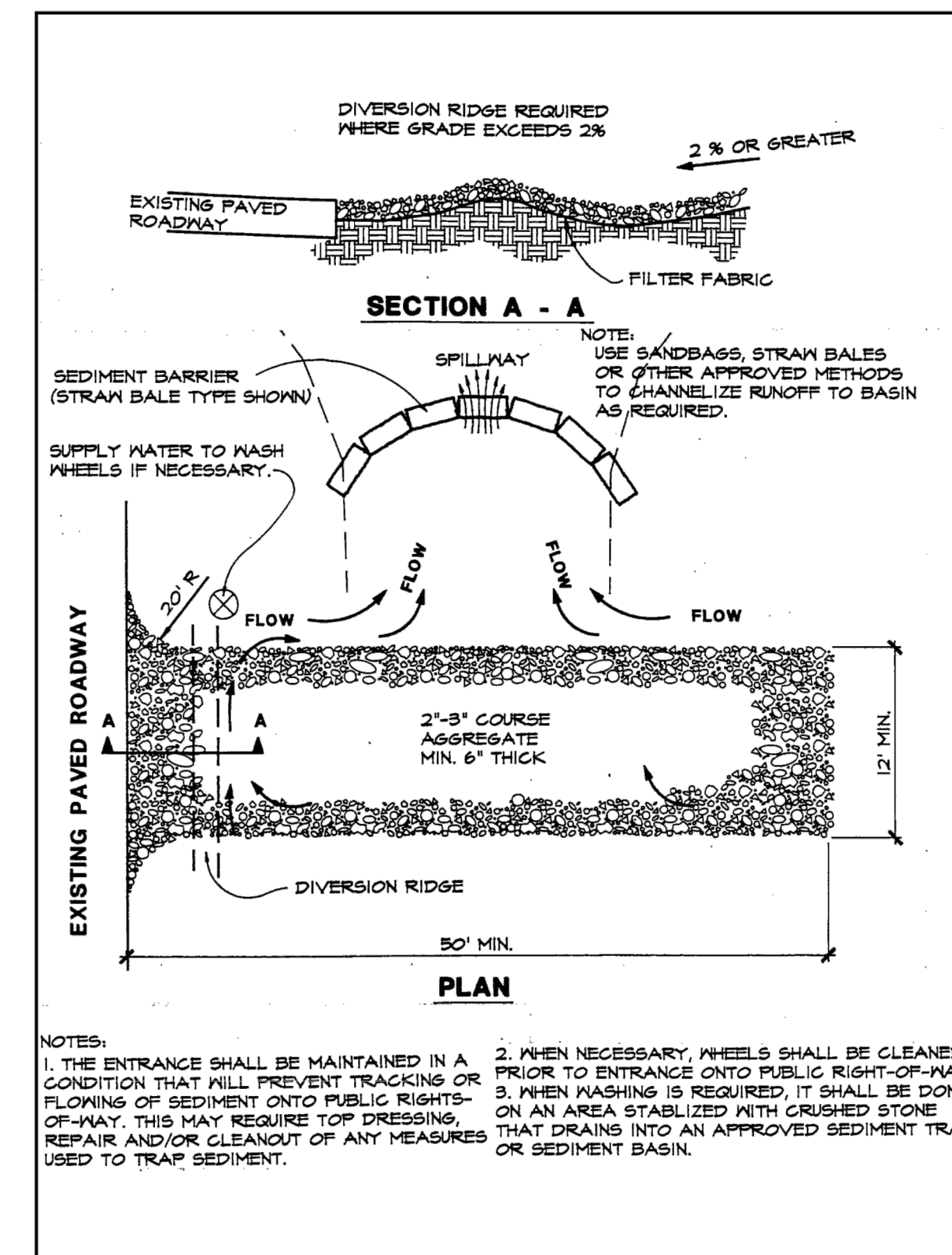


Figure 4.3a. Temporary Gravel Construction Entrance

Source: Erosion Draw



CITY OF MIAMI
CAPITAL IMPROVEMENTS
AND TRANSPORTATION
PROGRAM

MORNINGSIDE PARK TENNIS COURTS
STORM WATER POLLUTION PREVENTION DETAILS

DATE: 4/20/2015
DESIGN: E.G.
DRAWN: E.G.
CHECKED: N.T.
REVISIONS:
07.07.16 CITY COMMENTS

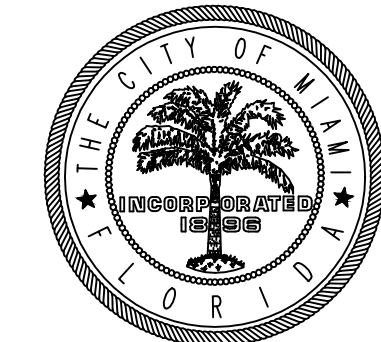
JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
NORMA T. ALVAREZ, P.E.
FL REG. 10612
SEAL

SCALE: AS SHOWN

SHEET No.
C-7
OF 6 SHEETS

PERMIT SET



CITY OF MIAMI
CAPITAL IMPROVEMENTS
AND TRANSPORTATION
PROGRAM

MORNINGSIDE PARK TENNIS COURTS

LANDSCAPE PLAN

Landscape Scope of Work Clarification:

Contractor is responsible for obtaining the Tree Permit and is to include in Base Bid the cost to hire an Arborist for the purpose of evaluating the condition of the trees to be removed or relocated, provide a Report to the City of Miami Environmental Resources Division for review and periodically provide on-site supervision during the process of removal and relocation.

Bidder and a licensed arborist are required to visit the site for the purpose of verification of the scope of work prior to submitting the bid to familiarize itself with the site conditions.

NOTE:
SEE SPECIFICATIONS BOOK AND MANUAL FOR SPECIFICATIONS

- GENERAL NOTES:**
1. PALM TREE TO HAVE 24" ROOTBALL MINIMUM.
 2. MINIMUM OF 5 PALM FRONDS TO REMAIN ON PALM. ONLY REMOVE DISTRESSED OR DEAD FRONDS.
 3. ALL PLANTS TO HAVE A ONE-YEAR GUARANTEE.

PLANT SCHEDULE

TREES							
CODE	QTY	BOTANICAL/COMMON NAME	CONT. SIZE	DIMENSIONS	NATIVE	WATER USE	REMARKS
CE	4	Conocarpus erectus 'Serius' / Silver Buttonwood	B4B	10' ht. x 4' spr.	Yes	Low	multi-trunk
RE	4	Roystonea elata / Royal Palm	B4B	20' ht.	Yes	Mod.	1.0' c.t.
QV	3	Quercus virginiana / Live Oak	B4B	4" cal., 16" ht. x 6" spr.	Yes	Low	8' c.t.
TR	12	Thinnax radiata / Thatch Palm	B4B	6" ht. x 4' spr.	Yes	Mod.	3' c.t.,
SHRUB AREAS							
CODE	QTY	BOTANICAL/COMMON NAME	CONT. SIZE	DIMENSIONS	NATIVE	WATER USE	REMARKS
ALZ	25	Alpinz zerumbet / Vangated Shell Ginger	7 gal@ 36" oc	30" ht. x 30" spr.	No	Mod.	
MUC	355	Muhlenbergia capillans / Muhly Grass	3 gal@ 24" oc	18" ht. x 18" spr.	Yes	Low	
HPC	76	Hamelia patens 'Compacta' / Dwarf Firebush	3 gal@ 24" oc	15" ht. x 15" spr.	Yes	Low	
ERL	311	Ernodea littoralis / Golden Beach Creeper	3 gal@ 24" oc	10" ht. x 10" spr.	Yes	Low	
FIM	182	Ficus microcarpa / Green Island Ficus	3 gal@ 18" oc	10" ht. x 10" spr.	No	Low	
TRF	100	Tripsacis floridana / Gamma Grass	3 gal@ 24" oc	18" ht. x 18" spr.	Yes	Low	
GROUND COVERS / MISCELLANEOUS							
CODE	QTY	BOTANICAL/COMMON NAME	CONT. SIZE	DIMENSIONS	NATIVE	REMARKS	
Mulch	TBD sf	Mulch Melaleuca Shredded / Shredded Melaleuca Mulch	5F			3" Layer	

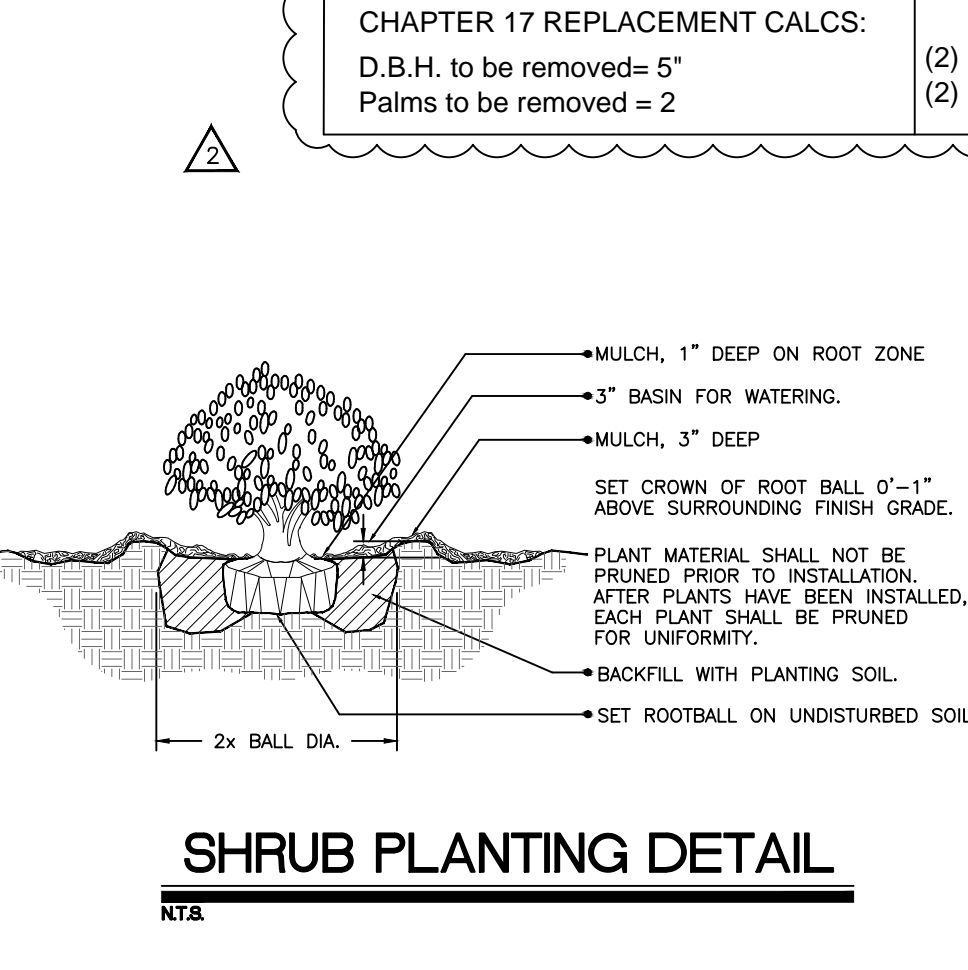
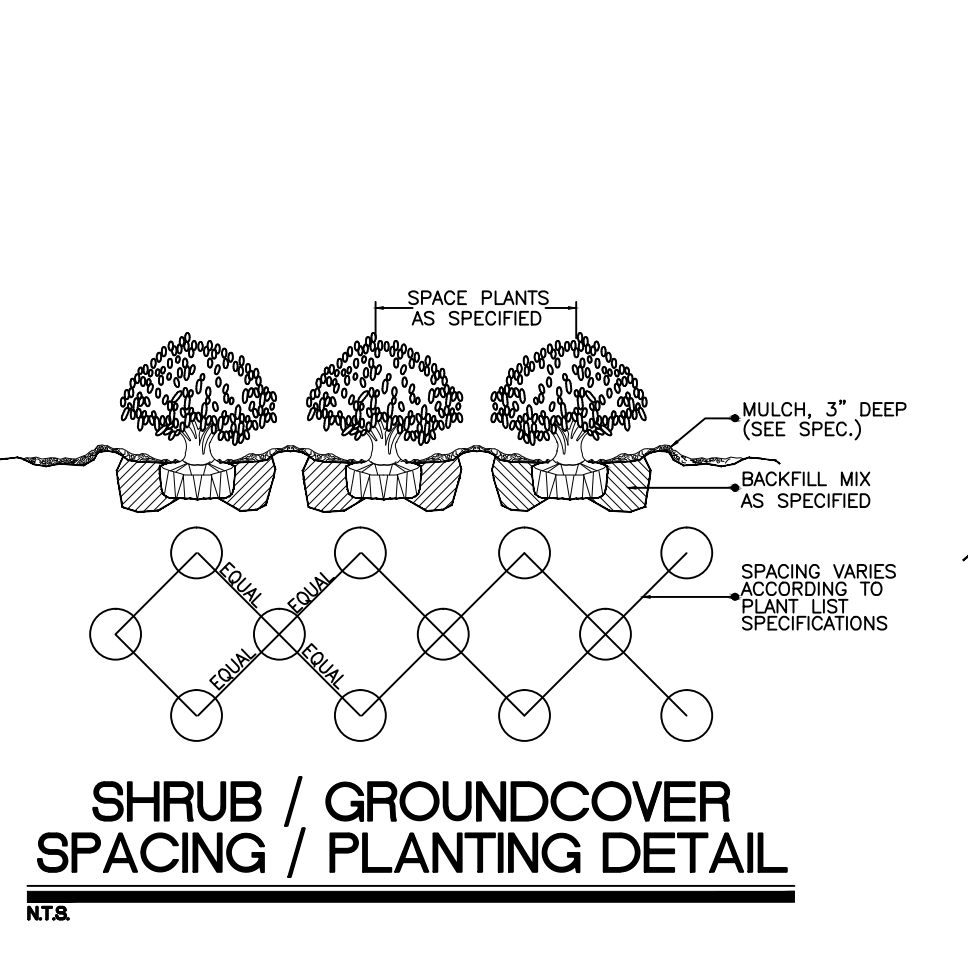
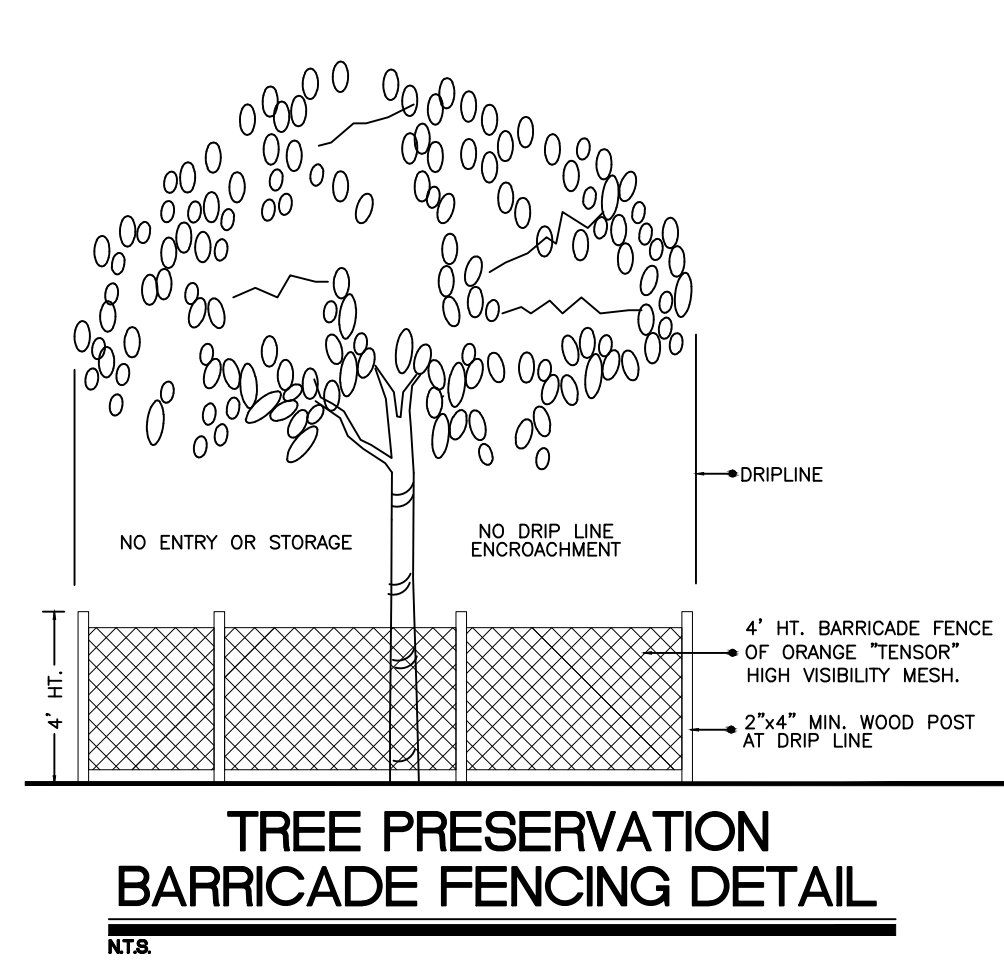
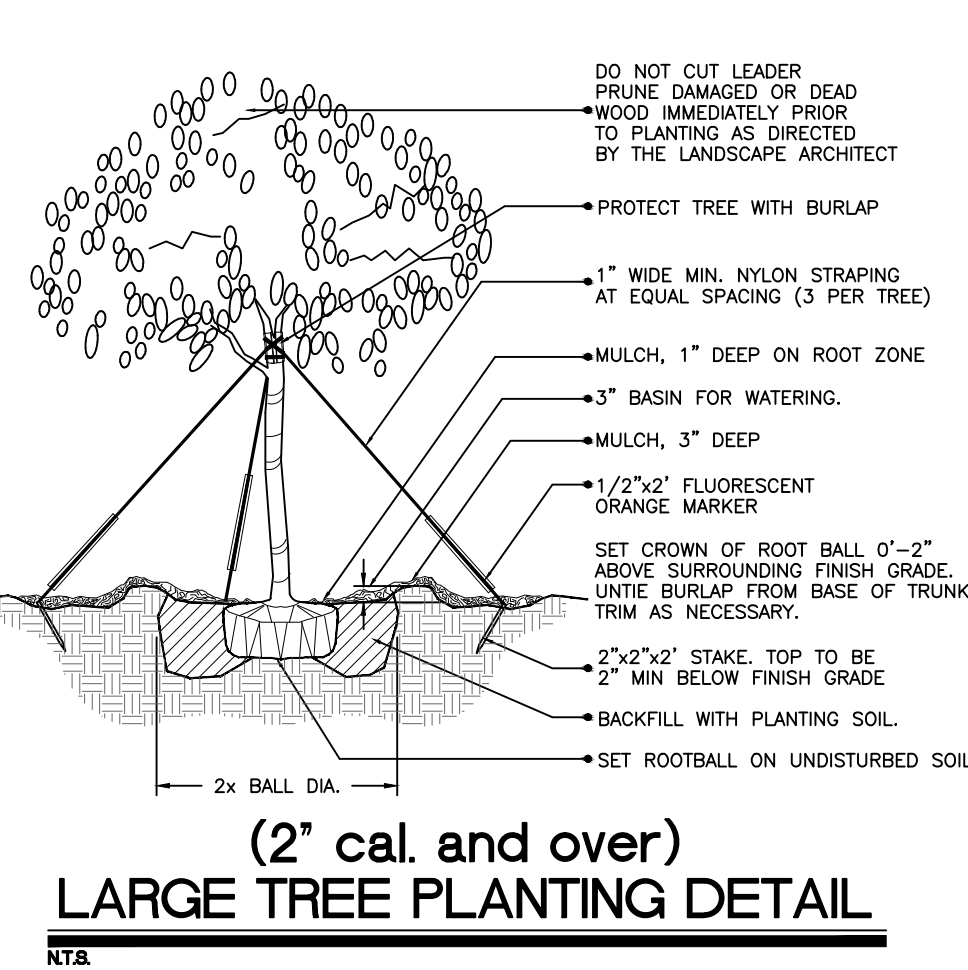
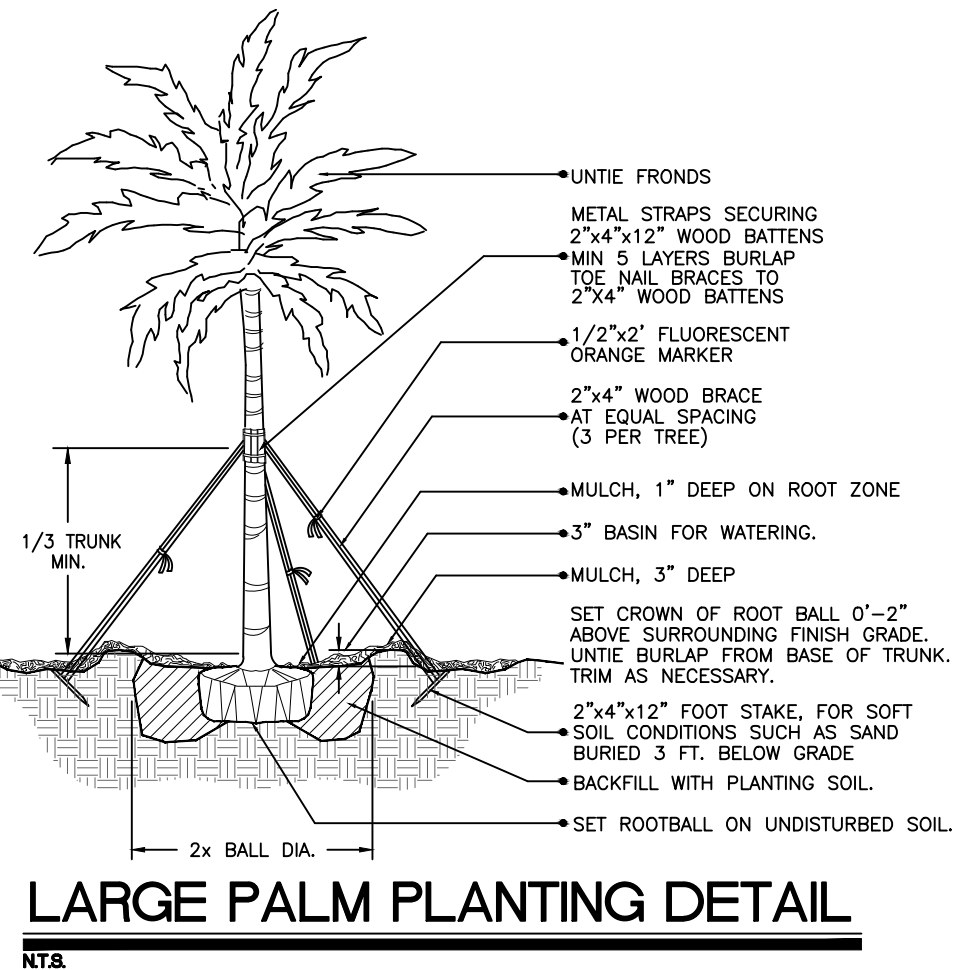
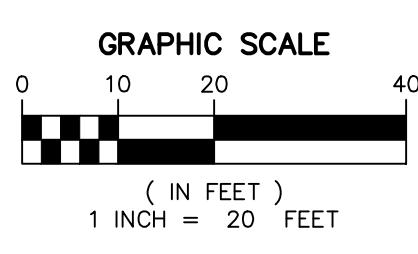
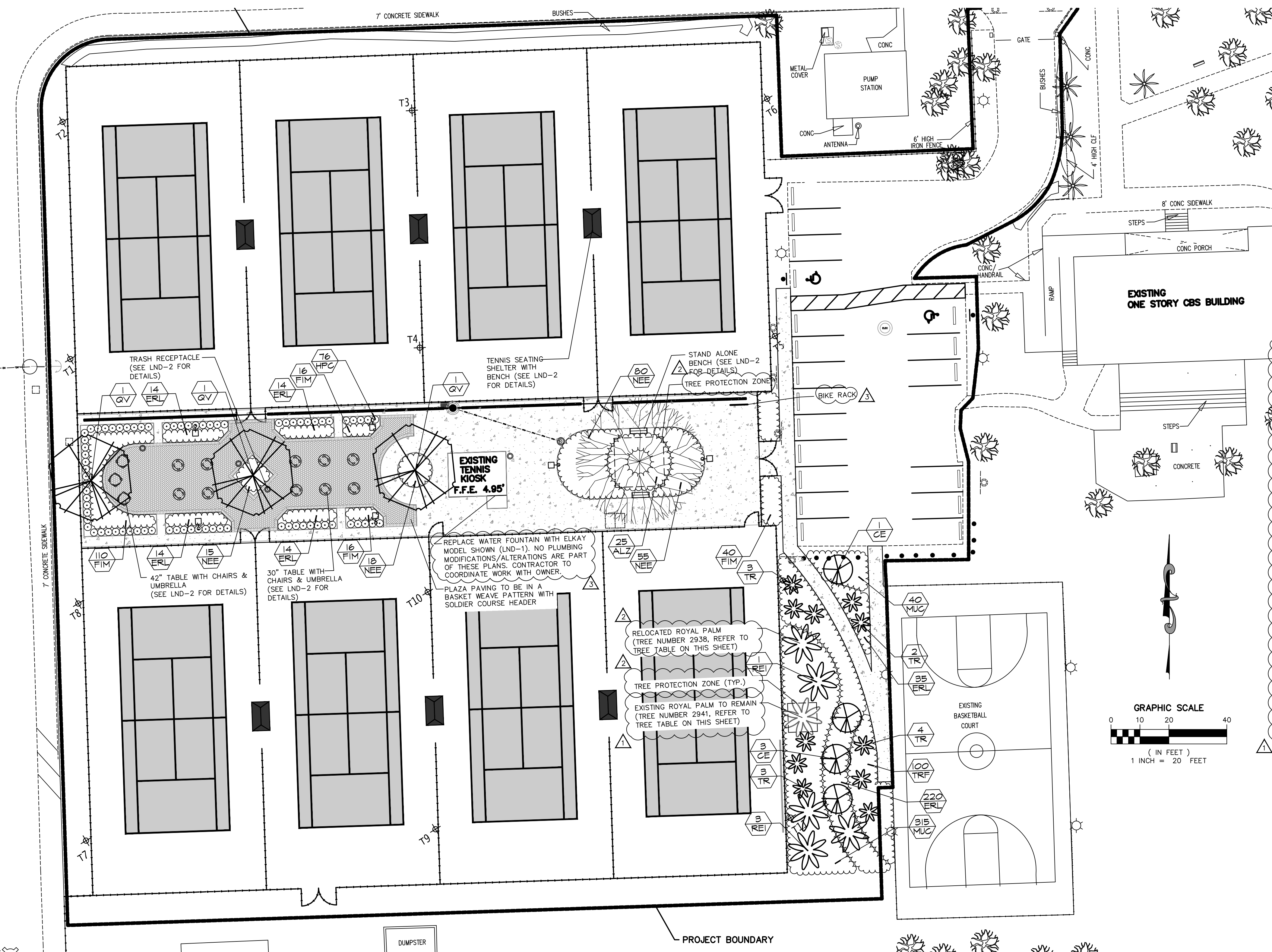
TREE TABLE

TREE NUMBER	SCIENTIFIC NAME	COMMON NAME	DIAMETER (INCHES)	HEIGHT (FEET)	CANOPY (FEET)	ACTION
2938	Roystonea regia	Royal Palm	22	30	12	RELOCATE
2941	Roystonea regia	Royal Palm	19	30	12	REMAIN

NOTE:
REFER TO SURVEY FOR ENTIRE TREE TABLE

LANDSCAPE LEGEND
CITY OF MIAMI LANDSCAPE CODE PER MIAMI-DADE CHAPTER 17 DISPOSITION

	REQUIRED	PROVIDED
TREE REPLACEMENT COUNT PER CHAPTER 17 REPLACEMENT CALCS: D.B.H. to be removed=5" Palms to be removed = 2	(2) - 2.5" d.b.h. Trees (2) - palms 10' c.t. min.	2- CE 2- RE



PERMIT SET

DATE: 4/20/2015
DESIGN: C.M.J.
DRAWN: C.M.J.
CHECKED: C.M.J.
REVISIONS:

- 07.15.16 CITY COMMENTS
- 08.30.16 CITY COMMENTS
- 09.20.16 CITY COMMENTS

JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
CASTO MIGUEL JUNGAL, RLA
LA 6667184
SEAL

SCALE: AS SHOWN

SHEET No.
LNP-1
OF 6 SHEETS

MILLER LEGG
Miami-Dade Office: 7743 NW 48th Street, Suite 140
Miami, Florida - 33166-5407
305-599-6381 · Fax: 305-599-2797
www.millerlegg.com

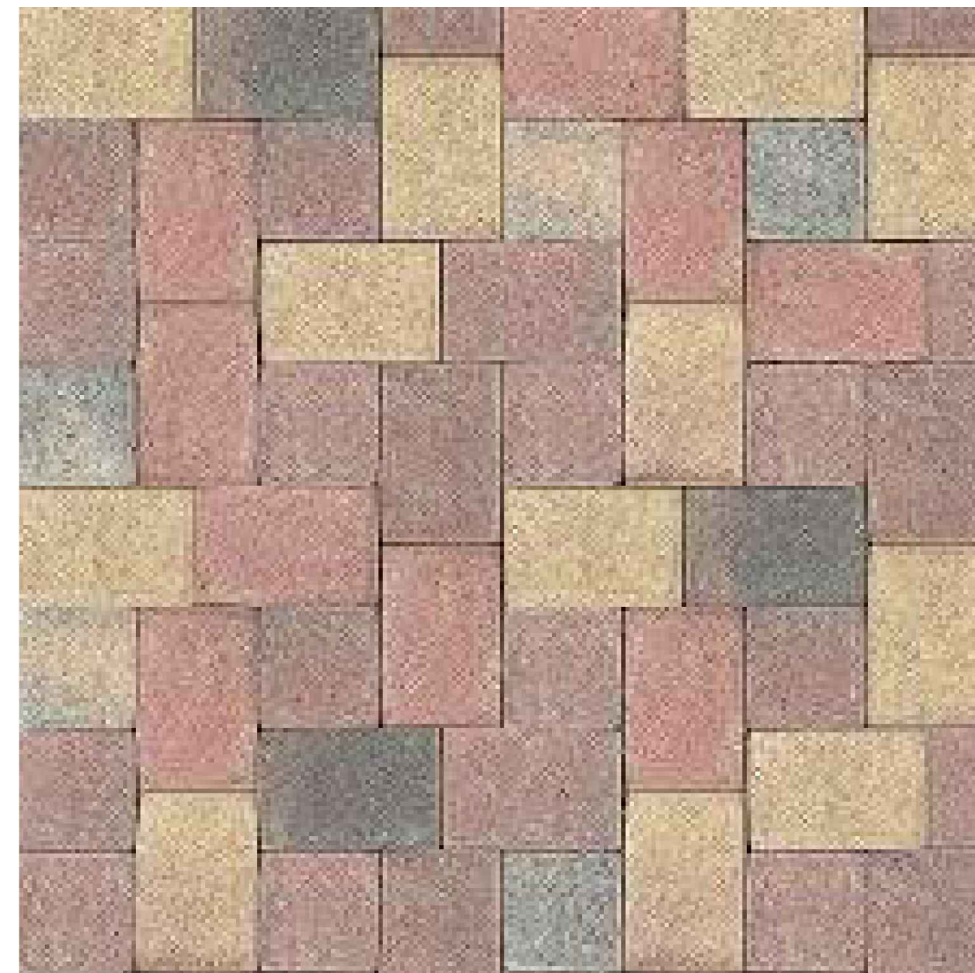


WATER FOUNTAIN:
ELKAY LZS8WSP BOTTLE FILLING STATION, WATER FOUNTAIN



5805SM Contemporary 5 Loop Bike Rack, surface mount

BIKE RACK:
5805SM CONTEMPORARY LOOP BIKE RACK FROM ULTRASITE



PAVERS:
BRAND: BELGARD
STYLE: HOLLAND STONE 60MM
DIMENSIONS: 4" X 8" X 2-3/8
COLOR: BENTCREEK
ARRANGE IN BASKETWEAVE PATTERN WITH A SOLDIER COURSE HEADER.

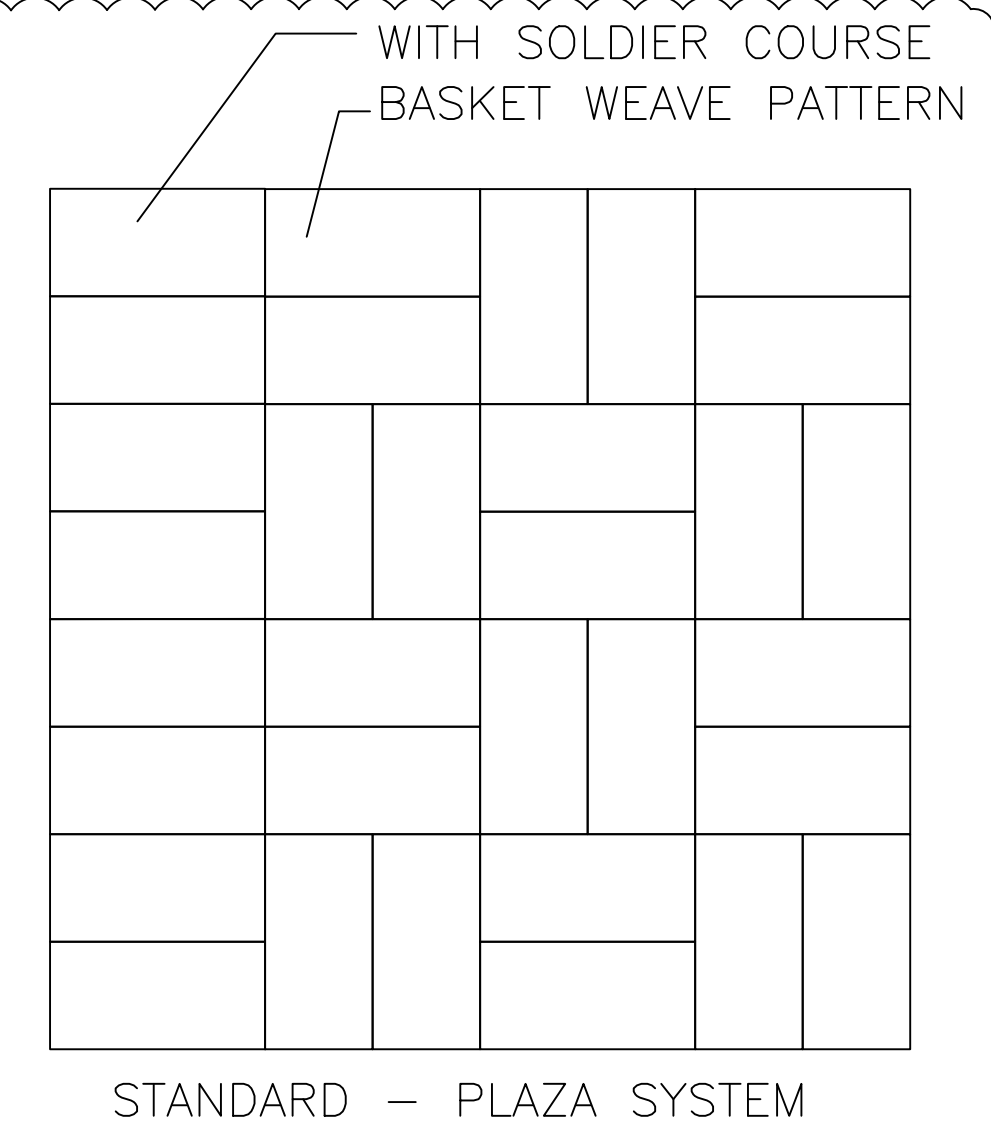


TABLE AND CHAIRS:
FURNITURE DESIGN HOUSE
THE BRYANT PARK CHAIR (5599) AND TABLE (5598)
POWDER COAT FINISH
ENGRAVED WITH MORNINGSIDE PARK TEXT



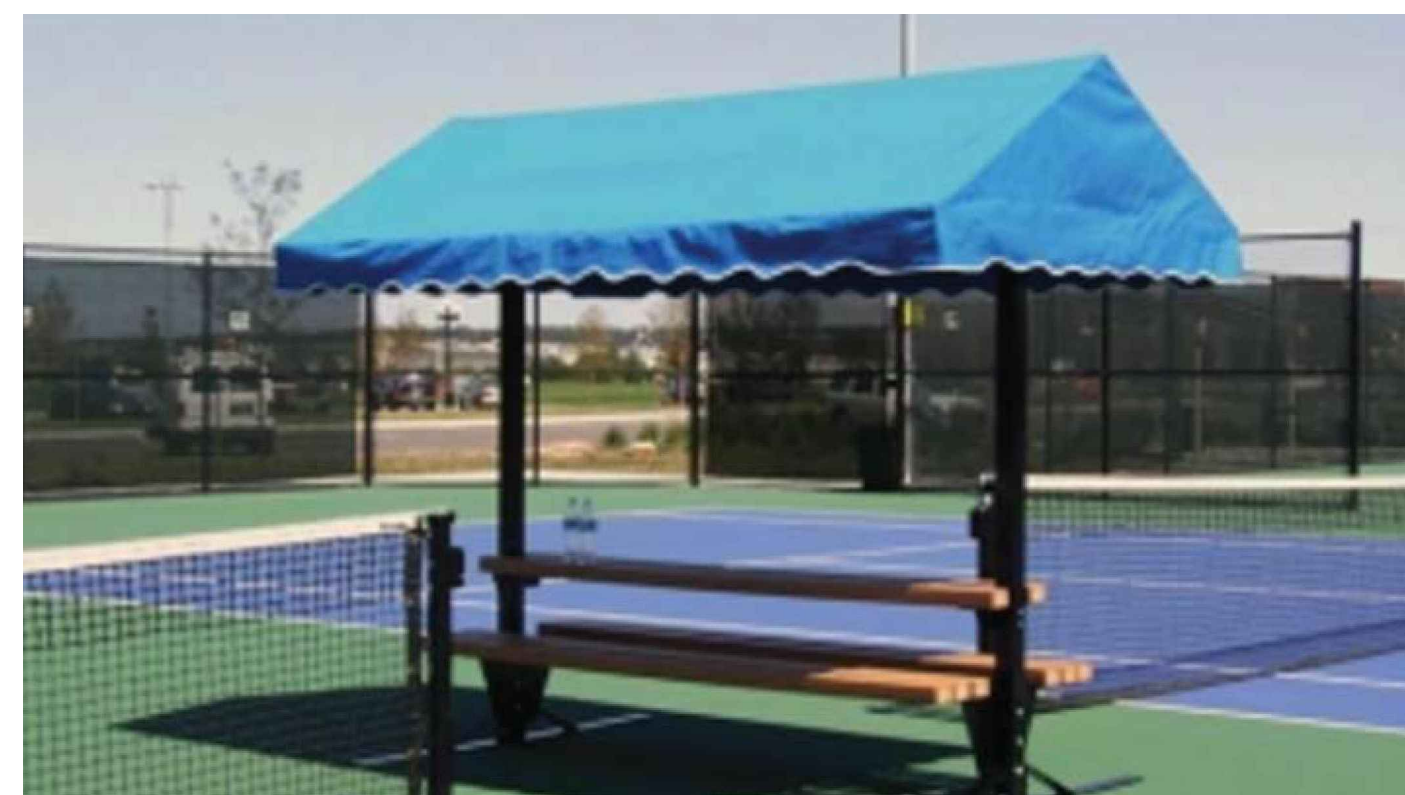
TRASH RECEPTICLE
ULTRASITE METRO TRASH RECEPTACLE
TR##,METRO 32 GALLON FLAT TOP.
POWER COAT

NOTES FOR CHAIR, STAND-ALONE BENCH, TABLE AND UMBRELLA, AND RECEPTACLE:
1. FINISH ON ALL PRODUCTS TO BE A WHITE POWDER COAT.
2. UMBRELLA TO BE BUTTERCUP YELLOW.

NOTES FOR ALL ITEMS:
LISTED PRODUCTS TO BE USED OR AN APPROVED EQUAL.



TABLE UMBRELLA
MUV-70 7' ULTRASITE UMBRELLA WITH WOODEN POLE WITH BASE.



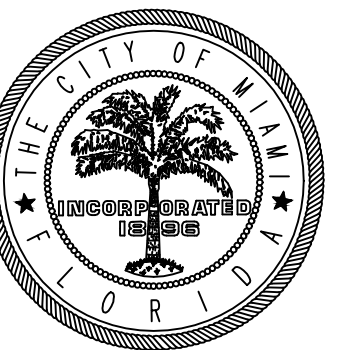
TENNIS SEATING SHELTER
NOTES FOR TENNIS CANOPY/BENCH:
1. STRETCHED VINYL COVERING.
2. TWO-SIDED BENCH, FLAT, BACKLESS.
3. SURFACE MOUNT.



STAND ALONE BENCH
ULTRASITE DIE FORMED BENCH IN POWDER COAT FINISH.

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PERMIT SET



CITY OF MIAMI
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM

MORNINGSIDE PARK TENNIS COURTS

LANDSCAPE AMENITIES DETAIL SHEET

DATE: 4/20/2015
DESIGN: C.M.J.
DRAWN: C.M.J.
CHECKED: C.M.J.
REVISIONS:
09.20.16 CITY COMMENTS

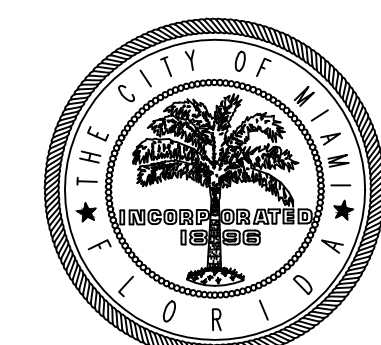
JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
CASTO MIGUEL JUNCAL, R.L.A.
LA 6667184
SEAL

SCALE: AS SHOWN

SHEET No.
LND-1

OF 6 SHEETS



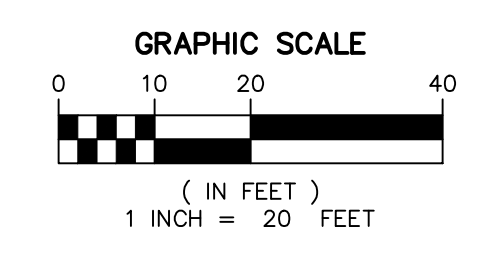
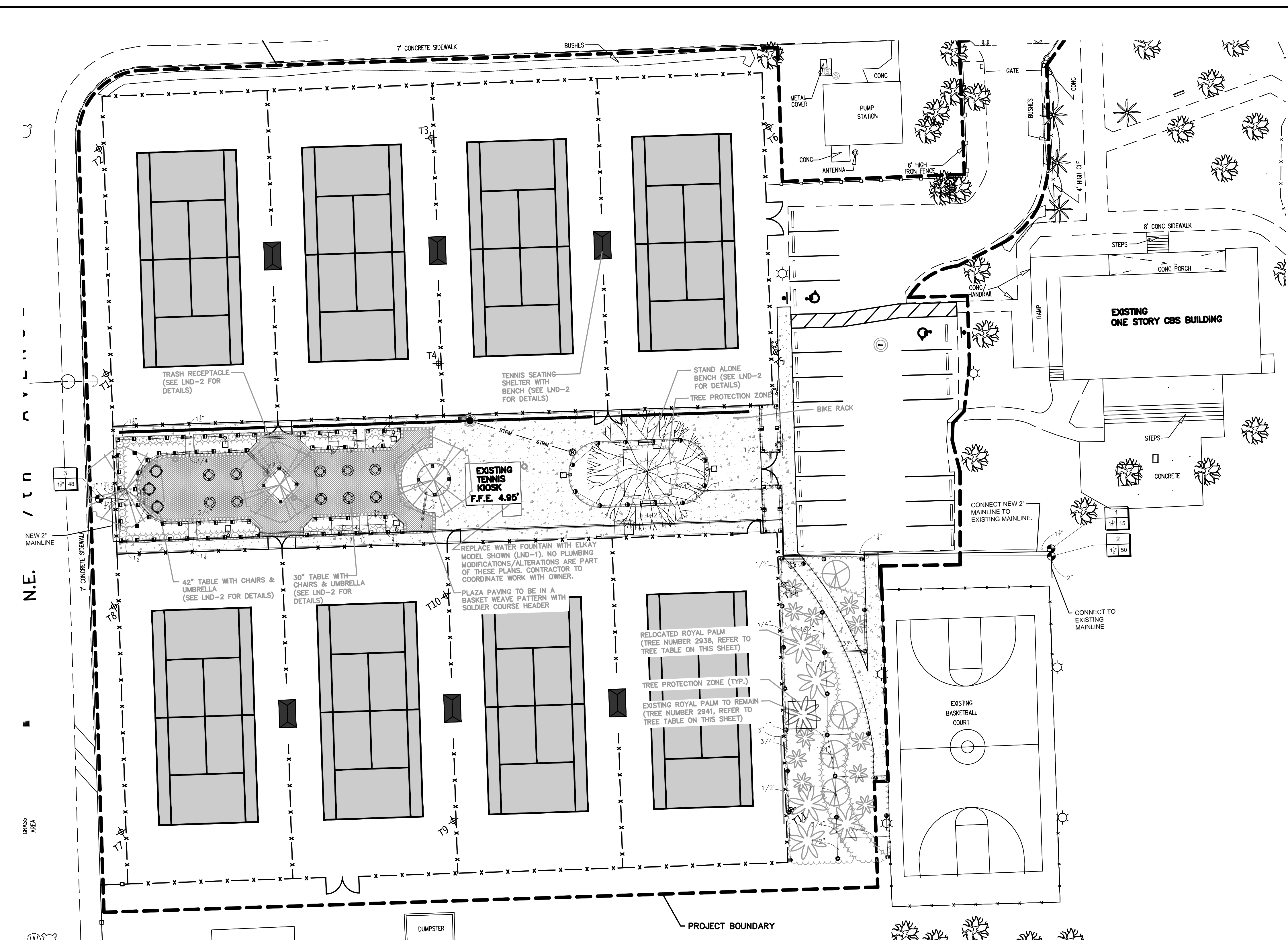
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CHECKED: C.M.J.
REVISIONS:

JOB No. B-40534
FILE:

ARCHITECT/ENGINEER:
CASTO MIGUEL JUNCAL, RLA
LA 6667184
SEAL

SCALE: AS SHOWN

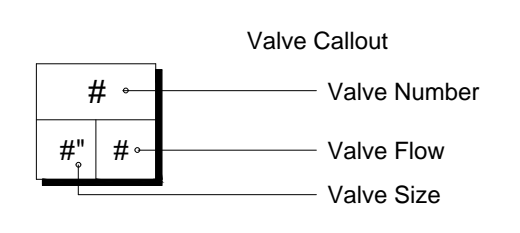
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IRR-1
OF 6 SHEETS

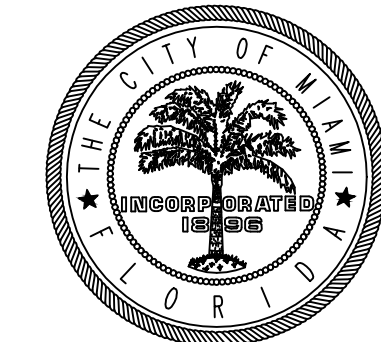


NOTE:
ALL SPRAY HEADS BETWEEN
BASKETBALL COURT AND TENNIS
COURT SHALL BE ON 12" RISERS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS	SYMBOL	MANUFACTURER/MODEL	QTY
■	Rain Bird 1806-SAM-PRS-NP 8 Series MPR	360	20	0.86	6'		☉	Rain Bird PESB	
■	Rain Bird 1806-SAM-PRS-NP 8 Series MPR	180	20	0.82	6'		☉	Nibco T-113	
■	Rain Bird 1806-SAM-PRS-NP 8 Series MPR	90	20	0.24	6'				
■	Rain Bird 1806-SAM-PRS-NP 8 Series MPR	90	30	.26	8'				
○	Rain Bird 1806-SAM-PRS-NP 10 Series MPR	90	30	.39	10'				
○	Rain Bird 1806-SAM-PRS-NP 10 Series MPR	180	30	.79	10'				
○	Rain Bird 1806-SAM-PRS-NP 10 Series MPR	360	30	1.58	10'				
○	Rain Bird 1806-SAM-PRS-NP 15 Series MPR	360	30	3.70	15'				
○	Rain Bird 1806-SAM-PRS-NP 15 Series MPR	180	30	1.85	15'				
○	Rain Bird 1806-SAM-PRS-NP 15 Series MPR	90	30	.92	15'				
							—	Irrigation Lateral Line: PVC Schedule 40 2,200 I.F.	
							—	Irrigation Mainline: PVC Schedule 40 1,200 I.F.	
							—	Sleeving 300 I.F.	
							—	Directional Bore 0 I.F.	





CITY OF MIAMI
CAPITAL IMPROVEMENTS
AND TRANSPORTATION
PROGRAM

MORNINGSIDE PARK TENNIS COURTS

IRRIGATION DETAILS

DATE: 4/20/2015
DESIGN: C.M.J.
DRAWN: C.M.J.
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REVISIONS:

JOB No. B-40534
FILE:

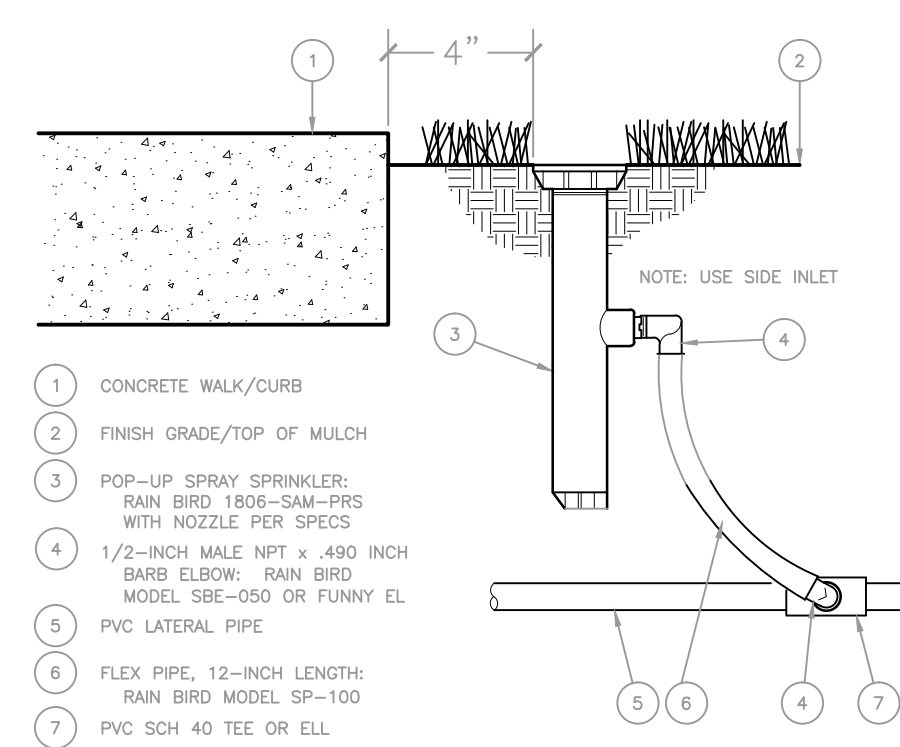
ARCHITECT/ENGINEER:
CASTO MIGUEL JUNCAL, R.L.A.
LA 6667184
SEAL

SCALE: AS SHOWN

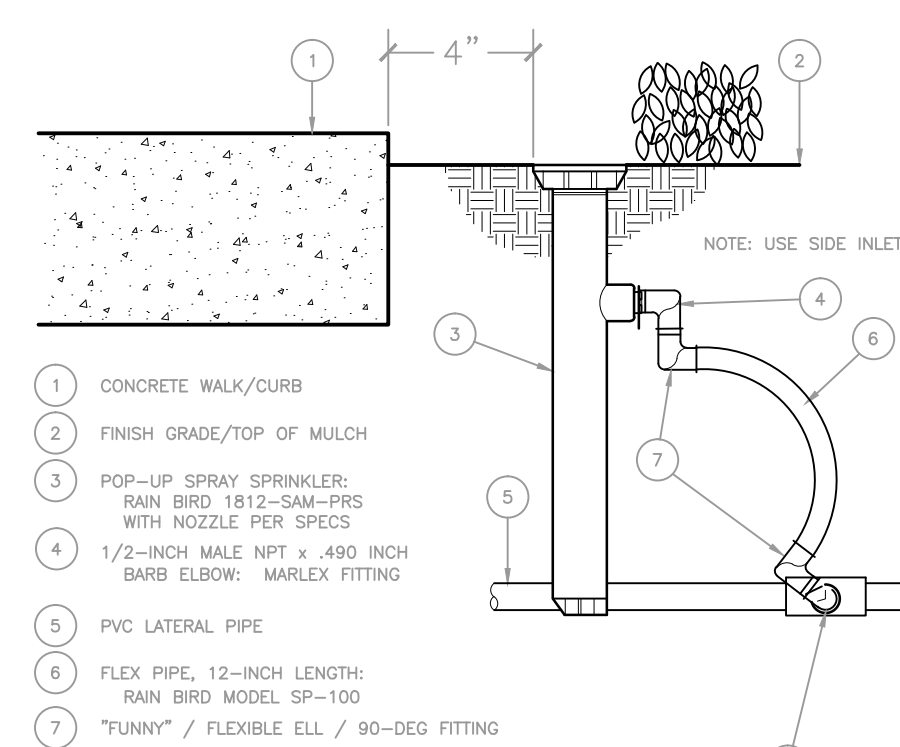
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IRR-2

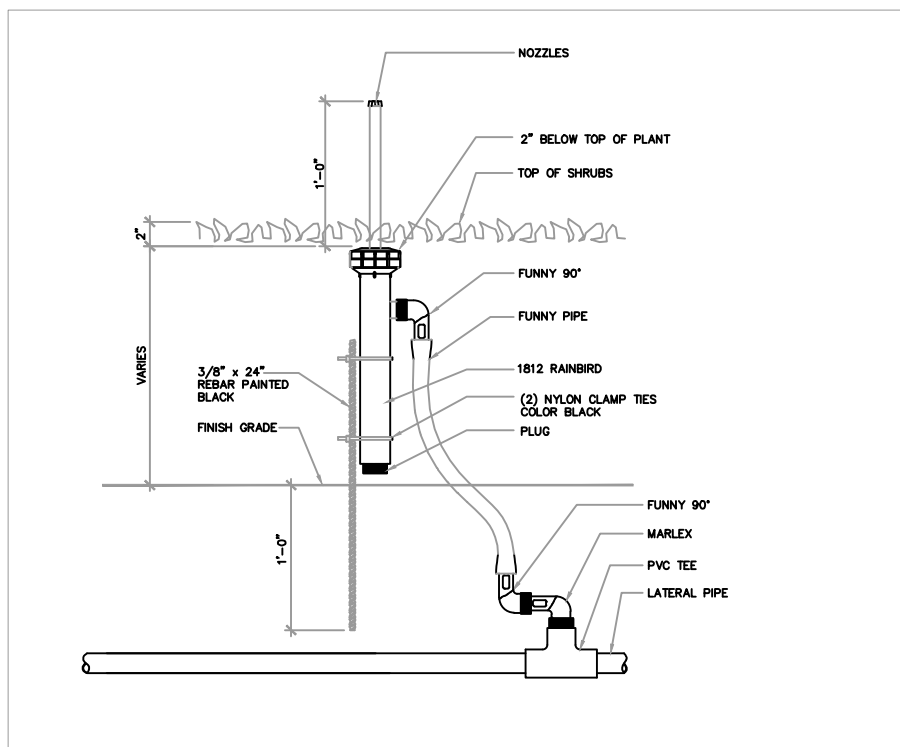
OF 6 SHEETS



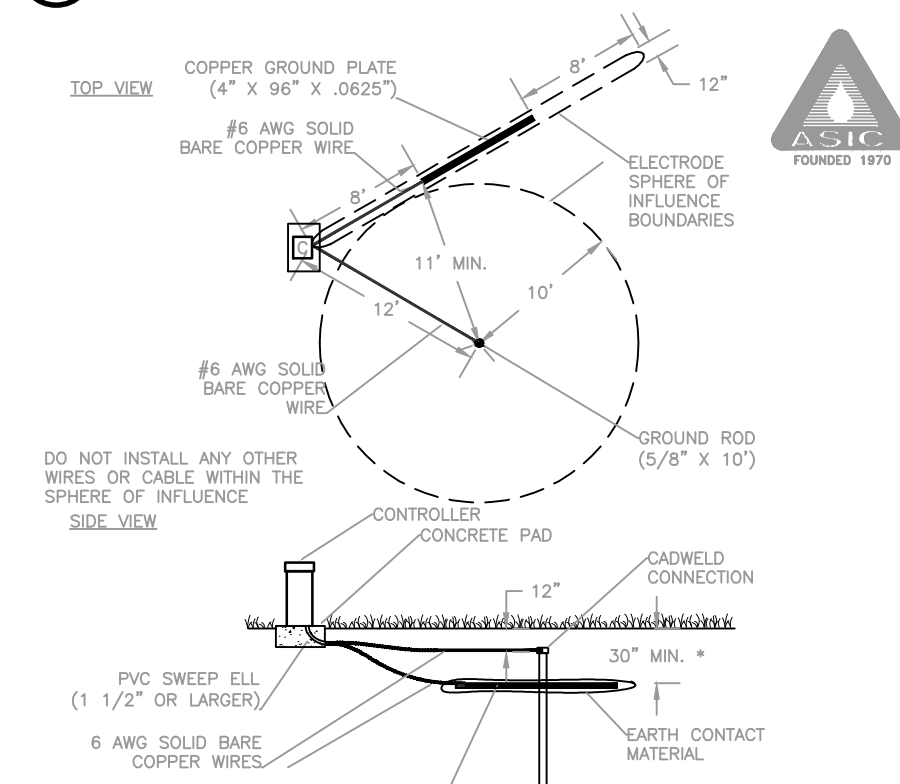
1 6" POP-UP SPRAY
3" = 1'-0"



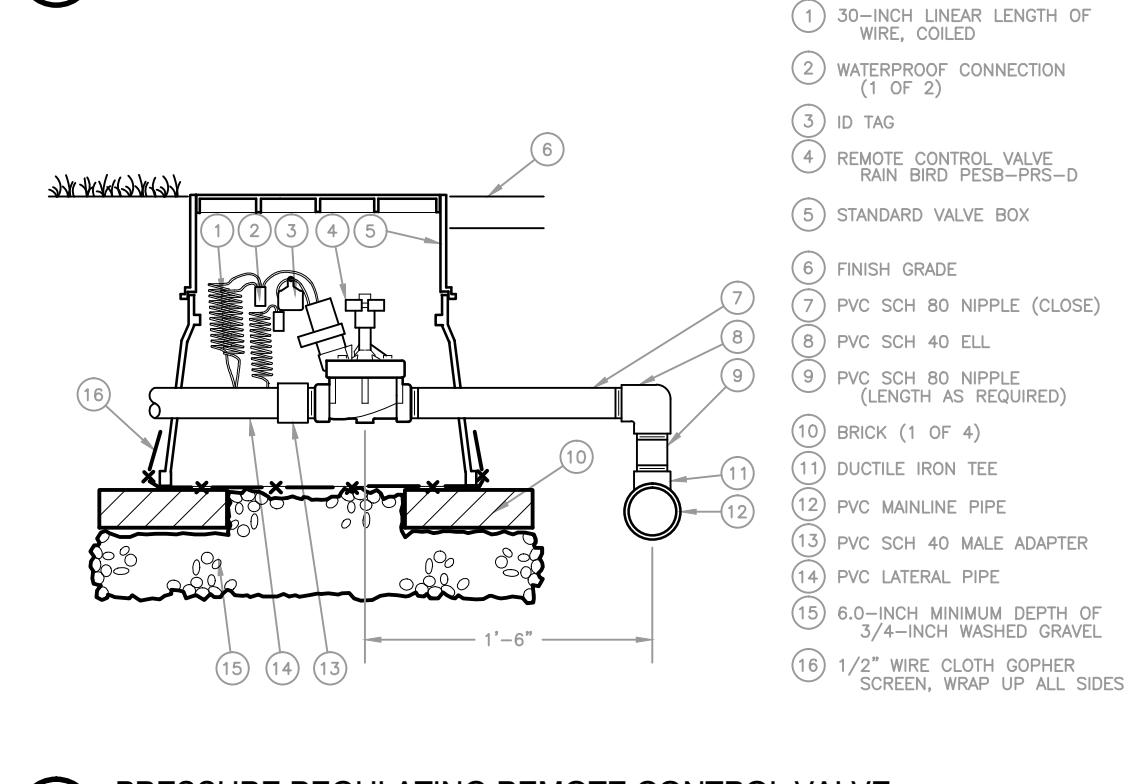
2 6" & 12" POP-UP SPRAY
3" = 1'-0"



3 SPRAY HEAD ON RISER DETAIL
N.T.S.



4 ASIC GROUNDING DETAIL
1 1/2" = 1'-0"



5 PRESSURE REGULATING REMOTE CONTROL VALVE
1 1/2" = 1'-0"

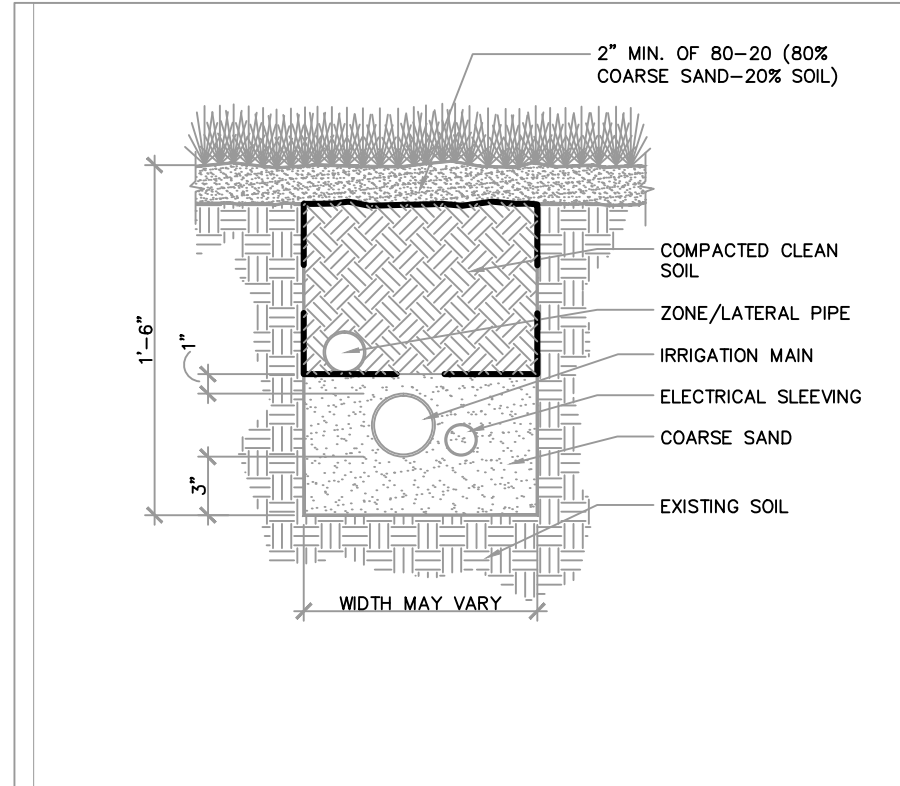
32 8403.29-23

1 30-INCH LINEAR LENGTH OF WIRE, COILED
2 WATERPROOF CONNECTION (1 OF 2)
3 ID TAG
4 REMOTE CONTROL VALVE RAIN BIRD PFSB-PFS-D
5 STANDARD VALVE BOX
6 FINISH GRADE
7 PVC SCH 80 NIPPLE (CLOSE)
8 PVC SCH 40 ELL
9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10 BRICK (1 OF 4)
11 DUCTILE IRON TEE
12 PVC MAINLINE PIPE
13 PVC SCH 40 MALE ADAPTER
14 PVC LATERAL PIPE
15 6.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
16 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP ALL SIDES

ELECTRICAL SPECIFICATIONS

- 24 VAC 50/60 Hz (CYCLES/SEC.) SOLENOID
- INFLUSH CURRENT: 0.41 A (0.84 VA) AT 60 Hz
- HOLDING CURRENT: 0.28 A (6.72 VA) AT 60 Hz
- COIL RESISTANCE: 30-39 OHMS

FLOW GPM	PFSB SERIES VALVE PRESSURE LOSS		
	100-PFSB PSI LOSS	150-PFSB PSI LOSS	200-PFSB PSI LOSS
5	1.7		
10	1.8		
20	2.9		
30	5.6	3.6	
40		3.5	
50		3.6	
75		5.4	4.5
100			5.2
125			8.2



6 MAINLINE AND LATERAL PIPING DETAIL



ELECTRICAL SYMBOL LEGEND

ABBREVIATIONS/SUFFIXES

A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
CAB	CABINET
C.B.	CIRCUIT BREAKER
CKT	CIRCUIT
E.A.	EMPTY CONDUIT
E	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED OR REMOVED
EMT	ELECTRICAL METALLIC TUBING
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG. HT.	MOUNTING HEIGHT
N.E.C.	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION.
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
PNL	PANEL
RMC	RIGID METAL CONDUIT
W.P.	WEATHER PROOF (NEMA 3R ENCLOSURE)

NOTE:

- SYMBOLS IN DASHED LINE INDICATE EXISTING DEVICES.
- ALL SYMBOLS MAY NOT BE USED IN THIS PROJECT.

POWER EQUIPMENT

■ DISTRIBUTION PANELBOARD 120/240V

WIRING

BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. NO TICKS INDICATES 2 # 12 CONDUCTORS & 1 # 12 GROUND IN 3/4" CONDUIT. TICK MARKS WHEN SHOWN, INDICATES NUMBER OF # 12 CONDUCTORS IF OTHER THAN THREE. (L) INDICATES GROUND. CONDUIT LARGER THAN 3/4" & CONDUCTOR LARGER THAN # 12 SHALL BE AS INDICATED.

HOME RUN TO PANEL "P" = PANEL DESIGNATION. 9 = CIRCUIT NUMBER. U.O.N. MINIMUM SIZE OF 3/4" AND MAXIMUM OF THREE CIRCUITS PER HOMERUN. (DEDICATED NEUTRAL FOR EACH HOT WIRES MUST BE PROVIDED)

—UG— CONDUIT RUN UNDERGROUND OR IN SLAB

☐ PULL BOX

LIGHTING FIXTURES

○ LIGHTING FIXTURE IDENTIFICATION. SEE SCHEDULE

□ POLE MOUNTED SINGLE SITE LIGHTING FIXTURE

GENERAL NOTES:

- SITE INVESTIGATION: PRIOR TO BIDDING THE CONTRACTOR SHALL VISIT THE JOBSITE AND BECOME ACQUAINTED WITH ALL OF THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAY WHERE THE EXISTING CONDITION RESULTS IN EXTRA MATERIAL OR LABOR. THE CONTRACTOR SHALL SUBMIT IN HIS BID AN AMOUNT THAT WOULD BE SET ASIDE FOR UNIDENTIFIED ITEMS.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS MANNER AND SHALL BE A COMPLETED AND FULLY OPERATIVE TO THE ACCEPTANCE OF THE OWNER, GENERAL CONTRACTOR AND ENGINEER.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS, ALL IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS.
- CODES IN EFFECT:**
ALL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE FLORIDA BUILDING CODE Fifth Edition (2014) AND NFPA CODES INCLUDING, BUT NOT LIMITED TO NFPA 70 - (2011 NEC).
- THE CONTRACTOR SHALL PAY FOR ALL FEES, INSPECTIONS, TESTS, FINES, ETC., AS REQUIRED.
- MINIMUM STANDARDS: THE MATERIAL, EQUIPMENT, INSTALLATIONS, AND WORKMANSHIP FURNISHED UNDER THIS SECTION SHALL CONFORM AT LEAST TO THE REQUIREMENTS OF THE REGULATING AGENCIES AS LISTED IN ITEM (5) ABOVE.
- RESPONSIBILITIES: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE INSTALLATION OF THE RACEWAY SYSTEM, EQUIPMENT AND WIRING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- GUARANTEE: THE CONTRACTOR/SUB-CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE THAT ALL WORK EXECUTED UNDER THIS CONTRACT SHALL BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND THAT HE, AT HIS OWN EXPENSE, WILL REPAIR OR REPLACE ALL WORK WHICH BECOMES DEFECTIVE DURING THE TIME OF THE GUARANTEE.
- ALL EQUIPMENT, SYSTEMS AND SYSTEM COMPONENTS SHALL BE FROM THE SAME MANUFACTURER AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO ANY FABRICATIONS OR INSTALLATION.
- OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER CONTRACT, AND PROVIDE READY ACCESSIBILITY TO ELECTRICAL EQUIPMENT, INCLUDING ANY PART OF SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
- PROVIDE ACCURATE LAYOUT, GRADES AND ELEVATIONS. TAKE PROPER PRECAUTIONS TO PROTECT WORK AND EQUIPMENT FROM DAMAGE.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHERS AS WELL AS PROVIDING TEMPORARY POWER.
- CONDUCTOR: ALL CONDUCTOR WIRE AND CABLE SHALL CONSIST OF 98% CONDUCTIVITY COPPER. ALL CABLES SHALL BE SINGLE CONDUCTOR, 600 VOLT, THERMOPLASTIC INSULATION, SUITABLE FOR CONTINUOUS OPERATION AT 75 DEGREES C. CONDUCTOR TEMPERATURE IN BOTH WET AND DRY LOCATIONS. THESE CABLES SHALL BE N.E.C. INSULATION CLASSIFICATION TYPE THWN/THHN. MINIMUM SIZE SHALL BE #12. ALL CONDUCTOR INSULATION SHALL BE COLOR CODED MAINTAINING THE INTEGRITY OF THE EXISTING INSTALLATION. COLORED INSULATION SHALL BE USED FOR AWG SIZES #10 AND SMALLER AND APPROVED COLOR TAPES SHALL BE USED FOR AWG SIZES #8 AND LARGER. ALL POWER AND CONTROL CIRCUITS SHALL CARRY EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC 250-122.
- THE NATURE OF THIS TYPE OF CONSTRUCTION POSES SPECIAL PROBLEMS FOR THE DESIGN ENGINEER AS WELL AS THE CONTRACTOR. EVERY EFFORT HAS BEEN MADE BY THE ENGINEER TO SHOW AND VERIFY WHERE POSSIBLE THE LOCATION OF THE EXISTING ELECTRICAL SYSTEM. THE MAJOR PORTION OF THE ELECTRICAL SYSTEMS ARE AS SHOWN ON THE DRAWINGS. HOWEVER, MINOR DEVIATIONS MAY BECOME EVIDENT AS THE JOB PROGRESSES. NO ADVANTAGE IS TO BE TAKEN BY THE CONTRACTOR BECAUSE OF THESE MINOR DIFFERENCES.
- CORRECTION OF ANY DEFECTS, REPAIRS OR DAMAGE DURING CONSTRUCTION AS WELL AS ANY MINOR CHANGES IN OUTLET LOCATIONS SHALL BE MADE WITHOUT ADDITIONAL COST.
- GUTTERS, PULL BOXES, ETC., SHALL BE GALVANIZED STEEL SIZED PER NATIONAL ELECTRICAL CODE, ARTICLE 312, 314 AND 376 MADE OF MATERIAL SUITABLE FOR THE ENVIRONMENTAL CONDITIONS PRESENT.
- ALL FLOORS, WALLS AND ROOF PENETRATIONS SHALL BE PROPERLY SEALED-OFF. IF FIRE RATED, AN APPROVED FIRE RETARDANT SEAL SHALL BE USED.
- ALL WIRING SHALL BE IN RACEWAY.
- THESE DRAWINGS ARE A GUIDE FOR THE INSTALLATION OF THE RACEWAY SYSTEM AND EQUIPMENT. THEY ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTLY DIAGRAMMATIC. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND FUNCTIONAL INSTALLATION.
- CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPE WRITTEN PANEL BOARD DIRECTORIES IN EXISTING PANEL BOARD DIRECTORIES. UPDATE ALL DIRECTORIES IN EXISTING PANEL BOARDS AFFECTED BY THIS PROJECT ELECTRONICALLY TRACING ALL CIRCUITS.
- ANY DEVIATION FROM THESE DRAWINGS AND SPECIFICATIONS MUST BE AUTHORIZED IN WRITING FROM THE ENGINEERS OFFICE. THE CONTRACTOR SHOULD BE HELD LIABLE FOR ANY DEVIATIONS WITHOUT SUCH AUTHORIZATION.
- ALL POWER AND LIGHTING CIRCUITS SHALL HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC 250-122. NEUTRAL CONDUCTOR SHALL BE 10 AWG (MINIMUM CU-THW) IN ALL MULTI-CIRCUIT BRANCH CIRCUITS.
- ANY WORK NOT SHOWN OR SPECIFICALLY MENTIONED ON THESE PLANS BUT CONSIDERED NECESSARY FOR COMPLETION OF WORK IN THE PROPER MANNER SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGE.
- CONTRACTOR SHALL VERIFY SPACE CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO FABRICATION AND INSTALLATION OF MATERIALS AND EQUIPMENT. ELECTRICAL CONTRACTOR IS TO COORDINATE HIS WORK WITH THE ARCHITECT BEFORE ROUGH INSTALLATION OF ALL OUTLETS (LIGHTS, RECEPTACLES, SWITCHES, PULL BOXES, ETC.) FOR EXACT LOCATION.
- ALL ELECTRICAL EQUIPMENT SUCH AS PANELS, PULL / J-BOXES, FEEDERS, ETC. SHALL BE PROPERLY IDENTIFIED WITH A PERMANENT LABEL AFFIXED TO THE EQUIPMENT. IDENTIFY CIRCUIT IN PANELS BY MEANS OF A TYPED, PLASTIC COVERED DIRECTORY.
- ALL SERVICE INTERRUPTIONS AND ALL REMOVAL AND DISPOSAL WORK SHALL BE SCHEDULED AND COORDINATED WITH THE AUTHORIZED REPRESENTATIVE OF THE OWNER.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS AND OTHER ITEMS AS REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF PRINTS FOR INDICATING ALL CHANGES AS THE CONTRACTOR PROGRESSES. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER A SET OF AS-BUILT DRAWINGS TO THE OWNER IN REPRODUCIBLE MATERIAL. CONTRACTOR SHALL STAMP AS-BUILT ON THE PLANS (EACH SHEET), PRINT, DATE, AND SIGN WITH INK.
- CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL PARTITION, FLOOR CEILING, CONDUIT PENETRATIONS, AND ANY OTHER EXISTING CONDITION AFFECTED BY THIS PROJECT. UPON COMPLETION, RE-PAINT ALL AFFECTED SURFACES MATCHING SURROUNDING COLOR.
- PROJECT TO COMPLY WITH THE REQUIREMENT OF CURRENT EDITION OF NFPA 241 STANDARDS FOR SAFE GUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL PROVIDE THE REQUIRED MEASURES FOR THE SAFEGUARDING OF THE EXISTING FACILITY AND SYSTEMS THEREIN DURING THE PERFORMANCE OF THE CONSTRUCTION, DEMOLITION AND ALTERATION OPERATIONS UNDER THIS PROJECT IN ACCORDANCE WITH NFPA 241 2010 EDITION.

PROJ. No. 26018 CA 924

LOUIS J. AGUIRRE & ASSOCIATES P.A.
CONSULTING ENGINEERS

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MORNINGSIDE PARK TENNIS COURTS

SYMBOL LEGEND, GENERAL NOTES AND SCHEDULES - ELECTRICAL

DATE: 04-20-16
DESIGN: A.P.
DRAWN: A.P.
CHECKED: L.J.A.
REVISIONS:

JOB No. B-00000
FILE:

ARCHITECT/ENGINEER:
ELECTRICAL:
LOUIS J. AGUIRRE P.E.
LICENSE # 11642

SEAL
LOUIS J. AGUIRRE
LICENSE
No. 11642
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: AS SHOWN

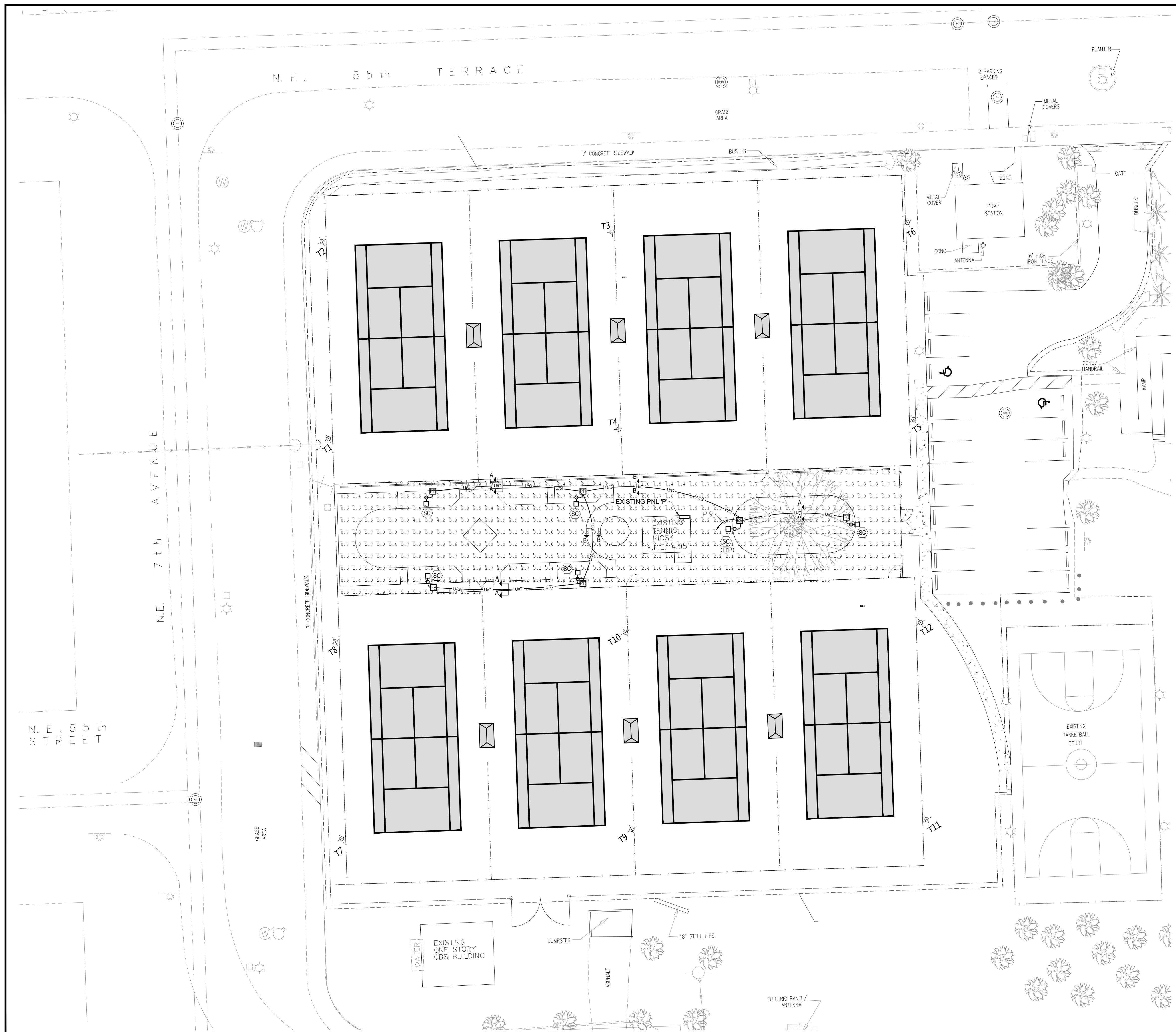
SHEET No.
E-0
OF 1 SHEETS

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG No. (OR APPROVED EQUIVALENT)	MOUNTING	LAMPS			FIXTURE		REMARKS
			NO.	TYPE	WATTS	SERVICE VOLTS	TOTAL WATTS	
SC	PHILLIPS GARDCO ECF-5-75LA4853-NW12 POLE	12' POLE (A.F.G.)	-	LED	77.4	120	77.4	12' MOUNTING HEIGHT AFF MTD ON CONCRETE POLE. SEE STRUCTURAL ENGINEERS DWGS.
REMARKS: 1. PROVIDE IN-LINE FUSE TO ALL FIXTURES IN PULL BOX AT BASE. 2. PROVIDE WP CONNECTIONS AT PULL BOX								

EXISTING PANEL "P"												MAIN BUS			
(CONTRACTOR TO FIELD VERIFY ALL CIRCUITS DESIGNATIONS & WIRING)												400 AMP			
FULLY RATED SHORT CIRCUIT RATINGS												NEUTRAL: 400 AMP			
10000 AMPS SYMS. @ 240 V. (U.L. LISTED)												MANS: 400A MCB			
												LOCATION BOTTOM			
DEMAND LOAD VA	NO DEM LOAD VA	CONDUIT	WIRE SIZE	TRIP AMP	POLES	LOAD DESCRIPTION AND REMARKS	CKT NO.	CKT NO.	LOAD DESCRIPTION AND REMARKS	POLES	TRIP AMP	WIRE SIZE	CONDUIT	NO DEM LOAD VA	DEMAND LOAD VA
4980	0													4980	0
4980	0	€	€	45	3-	BASKETBALL COURT LIGHTS	-1	2-	TENNIS COURTS LIGHTS 3-4	-3	45	€	€	4980	0
4980	0													4980	0
4980	0													4980	0
4980	0	€	€	45	3-	TENNIS COURTS LIGHTS 1-2	-3	4-	TENNIS COURTS LIGHTS 5-6	-3	45	€	€	4980	0
4980	0													4980	0
4980	0													0	0
4980	0	€	€	45	3-	TENNIS COURTS LIGHTS 7	-5	6-	SPACE	-3				0	0
4980	0													0	0
720	0	€	€	20	1-	TC-1 COURT LIGHT CONTACTOR	-7							0	0
454	0	3/4	12	20	1-	TC-2 SECURITY LIGHTS (1)	-9	10-	SPACE	-3				0	0
240	0	€	€	20	1-	PRO-SHOP LIGHTS	-11							0	0
720	0	€	€	€	1-	RECEPTACLES	-13							0	0
0	0			20	1-	SPARE	-15	12-	SPACE	-3				0	0
0	0			20	1-	SPARE	-17							0	0
4954	0	= SUB - TOTALS										SUB - TOTALS = 29880		0	0
LOAD PER PHASE												PANELBOARD TOTAL LOAD = 76834 VA			
4954 VA : DEMAND LOAD				26340 VA PHASE "A"				FEEDER: EXISTING SEE RISER DIAGRAM				IT = VOLTAMPERE / VOLT = 185 AMP			
29880 VA : NO DEMAND LOAD				25354 VA PHASE "B"				FED FROM: PFL PAD MOUNTED TRANSFORMER							
76834 VA : TOTAL LOAD				25140 VA PHASE "C"											
				76834 VA: TOTAL											
REMARKS: (1) EXISTING CIRCUIT USED IN THIS PROJECT. € - INDICATES EXISTING WIRING. CONTRACTOR TO FIELD VERIFY															

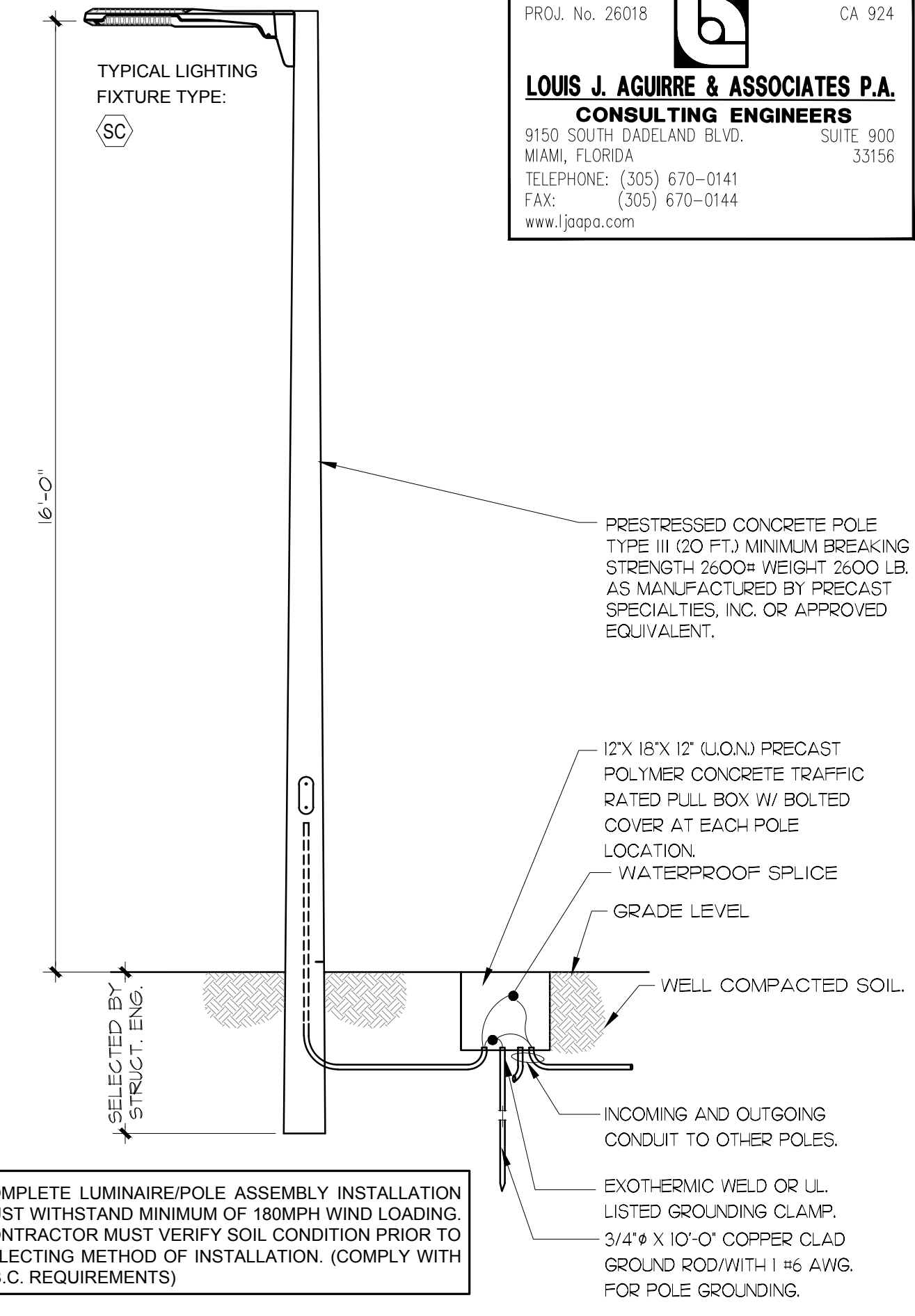
PERMIT SET



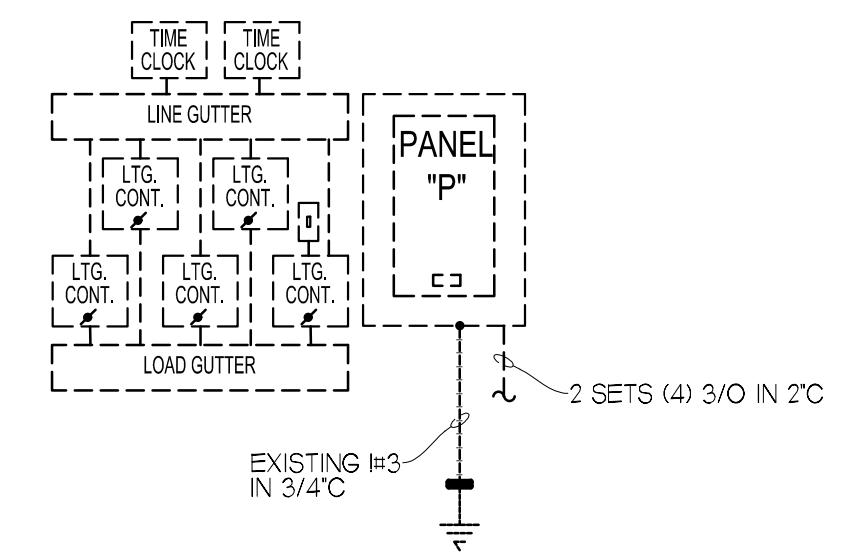
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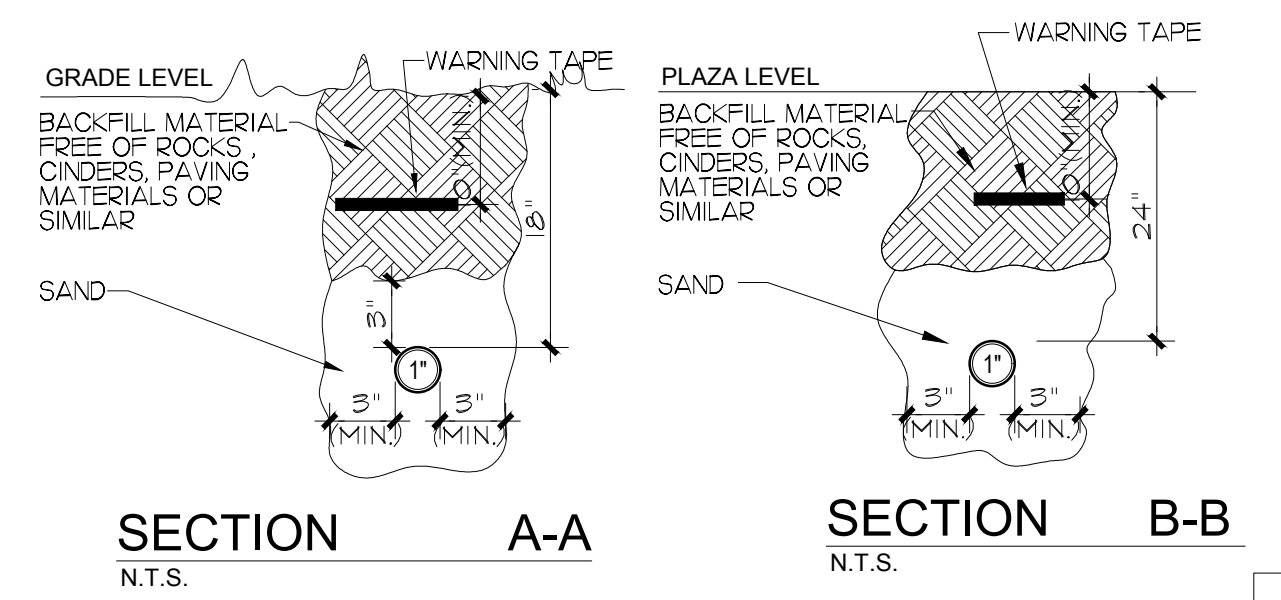
MORNINGSIDE PARK TENNIS COURTS
 LIGHTING PLAN



TYPICAL POLE DETAIL OF LIGHTING FIXTURES
 N.T.S.



EXISTING ELECTRICAL DISTRIBUTION
 N.T.S. (SHOWN FOR REFERENCE ONLY)
 SEE PANEL SCHEDULE ON SHEET E-0



NOTE:
 1. CONTRACTOR TO FIELD COORDINATE EXACT ROUTE OF UNDERGROUND CONDUIT INSTALLATION TO AVOID CONFLICT WITH ANY UNDERGROUND OBSTRUCTIONS.

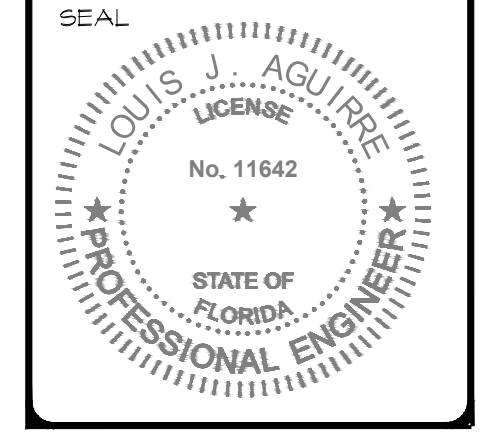
SITE PLAN ELECTRICAL



DATE: 04-20-16
 DESIGN: A.P.
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JOB No. B-00000
 FILE:

ARCHITECT/ENGINEER:
 ELECTRICAL:
 LOUIS J. AGUIRRE P.E.
 LICENSE # 11642



SCALE: AS SHOWN

SHEET No.
E-1
 OF 1 SHEETS

PERMIT SET