

CITY OF MIAMI BEACH
Building Department
1700 Convention Ctr Drive, 2nd Floor
Miami Beach, Florida 33139
(305) 673-7610 Ext. 1436

B0801044 BCC10013 CC

Certificate of Completion

Certificate Number: BCC10013

10-22-2009

Status: **APPROVED**

Site Address: 2100 COLLINS AV MBCH

Parcel #: 32260010370

Class Code: S2

Date Applied: 10/19/2009
Date To Expire:

Date Approved: 10/22/2009
Extended:

Applicant: METRO EXPRESS INC
8095 WEST 21 LANE
HIALEAH
33175

Owner: CITY OF MIAMI BEACH
1700 CONVENTION CTR DR
MIAMI BEACH FL
331391819

Issued For: PARTIAL CERTIFICATE OF COMPLETION FOR WORK DONE

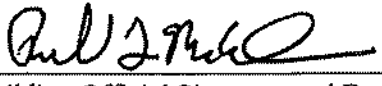
Building Permit #: B0801044

Temporary Expire Date:
Temporary/Partial Description:

This is to certify that all work done in reference to the permit mentioned on this document have been completed according to the **SOUTH FLORIDA BUILDING CODE/ FLORIDA BUILDING CODE** and has been given final approval.

Applicable for Temporary Certificates Only

1. This **APPLICANT** must do everything necessary to obtain a **FINAL CERTIFICATE of COMPLETION** before the Expiration Date of this document.
2. This Certificate may be revoked by the Building Official upon 24 hours notice.
3. Special condition(s) may be applicable.

 10/22/09
Building Official Signature and Date
RICHARD MCCONACHIE

CITY OF MIAMI BEACH
BUILDING DEPARTMENT
1700 CONVENTION CENTER DR
2ND FLOOR - CITY HALL
MIAMI BEACH, FLORIDA 33139
(305) 673-7610

COMPLETE DESCRIPTION

DATE: 10-22-2009

PERMIT NUMBER: **BCC10013**

STATUS: APPROVED

JOBSITE ADDRESS: **2100 COLLINS AV MBCH**

CONTRACTOR: METRO EXPRESS INC

OWNER: CITY OF MIAMI BEACH

DESCRIPTION

PARTIAL CERTIFICATE OF COMPLETION FOR WORK DONE ON PARKING LOT located between COLLINS AVE AND MIAMI BEACH DR, and 21ST ST AND 22ND ST.

See comments for details

MIAMI BEACH COLLINS PARK CULTURAL CAMPUS PROJECT

COLLINS PARK / ROTUNDA / STREETSCAPE

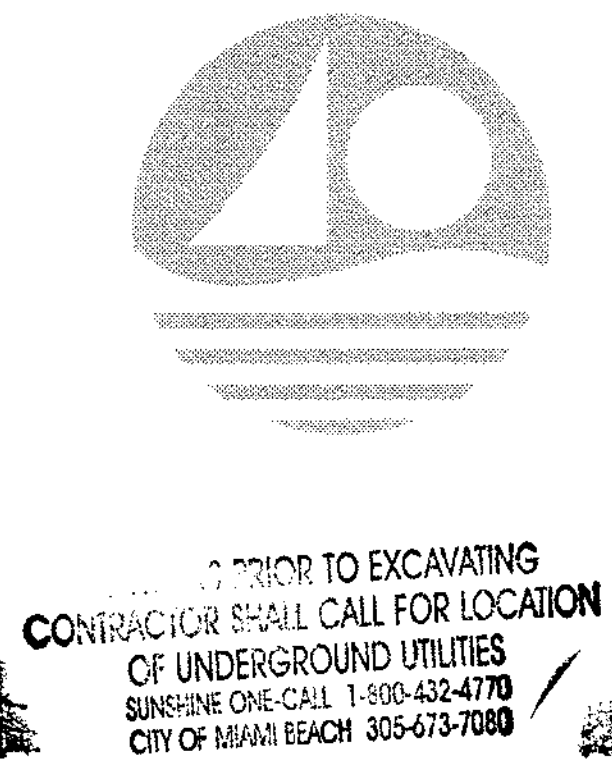
MIAMI BEACH, FL

CITY OF MIAMI BEACH

MAYOR AND COMMISSION

Mayor David Dermer
Commissioner Simon Cruz
Commissioner Luis R. Garcia
Commissioner Matti Herrera Bower
Commissioner Saul Gross
Commissioner Jerry Libbin
Commissioner Richard L. Steinberg

Director of Public Works: Fred H. Beckmann, P.E.
Director of C.I.P. Office: Jorge E. Chartrand
City Engineer: Fernando Vazquez, P.E.



PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

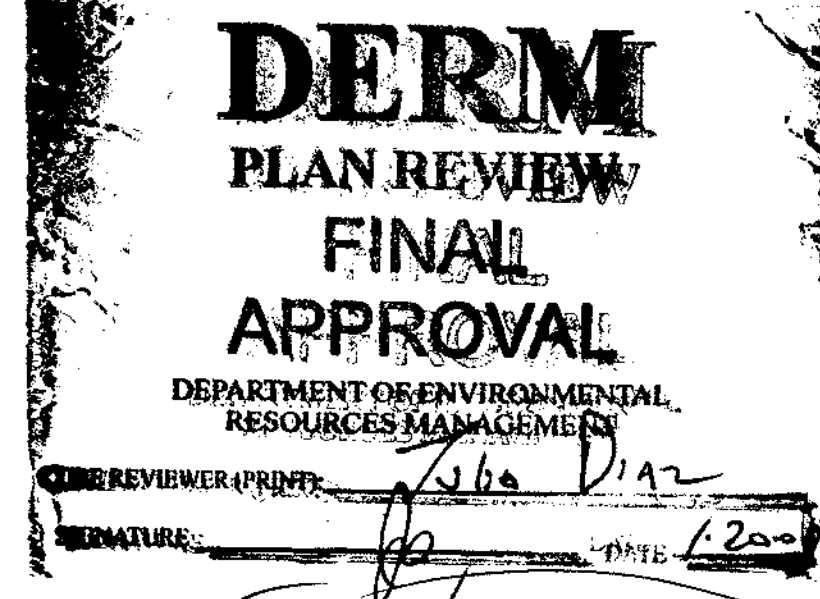
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

Permit Requirements: Proof of existing sidewalk/sewer area conditions (pictures) and/or posting of sidewalk/roadway bonds (Public Works Inspection of the right-of-way will be required prior to final sign-off on the C.C./C.O., or the release of bonds.)

Approved/Reviewed By: *[Signature]* Date: 10/17/08



LOCATION PLAN



MCHARRYASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
Thomas M. Corlison, AIA James W. Piersol, AIA
0007420 AAC000986 EB0003663 0008079

2780 SW DOUGLAS RD. - SUITE 302
MIAMI, FLORIDA 33133 (305)445-3765
WWW.MCHARRY.COM

INDEX OF DRAWINGS

GENERAL

- COVER - REV
- SURVEY - PARK
- SURVEY - PARKING LOT

CIVIL ENGINEERING

- C-1 DEMOLITION PLAN
- C-2 DEMOLITION PLAN AND NOTES
- C-3 LAYOUT PLAN AND NOTES
- C-4 LAYOUT PLAN AND STRIPING PLAN
- C-5 PAVING-GRADING-DRAINAGE PLAN
- C-6 PAVING-GRADING-DRAINAGE PLAN
- C-7 SITE DETAILS
- C-8 DRAINAGE DETAILS
- C-9 WATER AND SEWER PLAN
- C-10 WATER AND SEWER PLAN
- C-11 SEWER PROFILE AND DETAILS

- SWPP-1 STORMWATER POLLUTION PREVENTION PLAN
- SWPP-2 STORMWATER POLLUTION PREVENTION PLAN
- SWPP-3 STORMWATER POLLUTION PREVENTION PLAN

LANDSCAPE

- L-1 TREE DISPOSITION PLAN
- L-2 TREE DISPOSITION PLAN
- L-3 TREE PROTECTION PLAN
- L-4 TREE PROTECTION PLAN
- L-5 TREE PLANTING PLAN
- L-6 TREE PLANTING PLAN
- L-7 SHRUB / GROUND COVER PLANTING PLAN
- L-8 SHRUB / GROUND COVER PLANTING PLAN
- L-9 PLANTING DETAILS
- L-10 IRRIGATION PLAN
- L-11 IRRIGATION PLAN
- IL-1 IRRIGATION LEGEND AND NOTES
- ID-1 IRRIGATION DETAILS

ARCHITECTURAL

- A0.1 GENERAL NOTES
- A0.2 CODE ANALYSIS, NOTES, SYMBOLS, ABBREVIATIONS
- AD-1.0 SITE PLAN - SELECTIVE DEMOLITION
- A-1.0 PROPOSED SITE PLAN
- A-1.1 ENLARGED SITE PLAN WEST: PARK & ROTUNDA
- A-1.2 ENLARGED SITE PLAN EAST: PARKING LOT
- A-1.3 SITE - ELEVATIONAL SECTIONS

AD-2.0 ROTUNDA - SELECTIVE DEMOLITION

- A-2.0 ROTUNDA - PLANS, SECTION, ELEVATIONS, ROOF DETAILS
- A-2.1 ROTUNDA - ENLARGED PLAN, DETAILS
- A-2.2 ROTUNDA - TRANSLUCENT WALL PANEL SYSTEM
- A-2.3 ROTUNDA - GATE, DOOR SCHEDULE, DETAILS

- A-3.0 WALKWAY PAVING ENLARGED PLANS
- A-3.1 WALKWAY PAVING DETAILS
- A-3.2 REFLECTING POOL - ENLARGED PLAN, DETAILS
- A-3.3 WATER FOUNTAIN SCULPTURE - PLAN, ELEVATION, DETAILS

- A-4.0 SIDEWALK ENLARGED PLANS
- A-4.1 SIDEWALK ENLARGED PLANS
- A-4.2 SIDEWALK DETAILS - STERN MASTERPLAN

STRUCTURAL

- S-1.0 STRUCTURAL NOTES
- S-2.0 STRUCTURAL PLANS AND DETAILS

ELECTRICAL

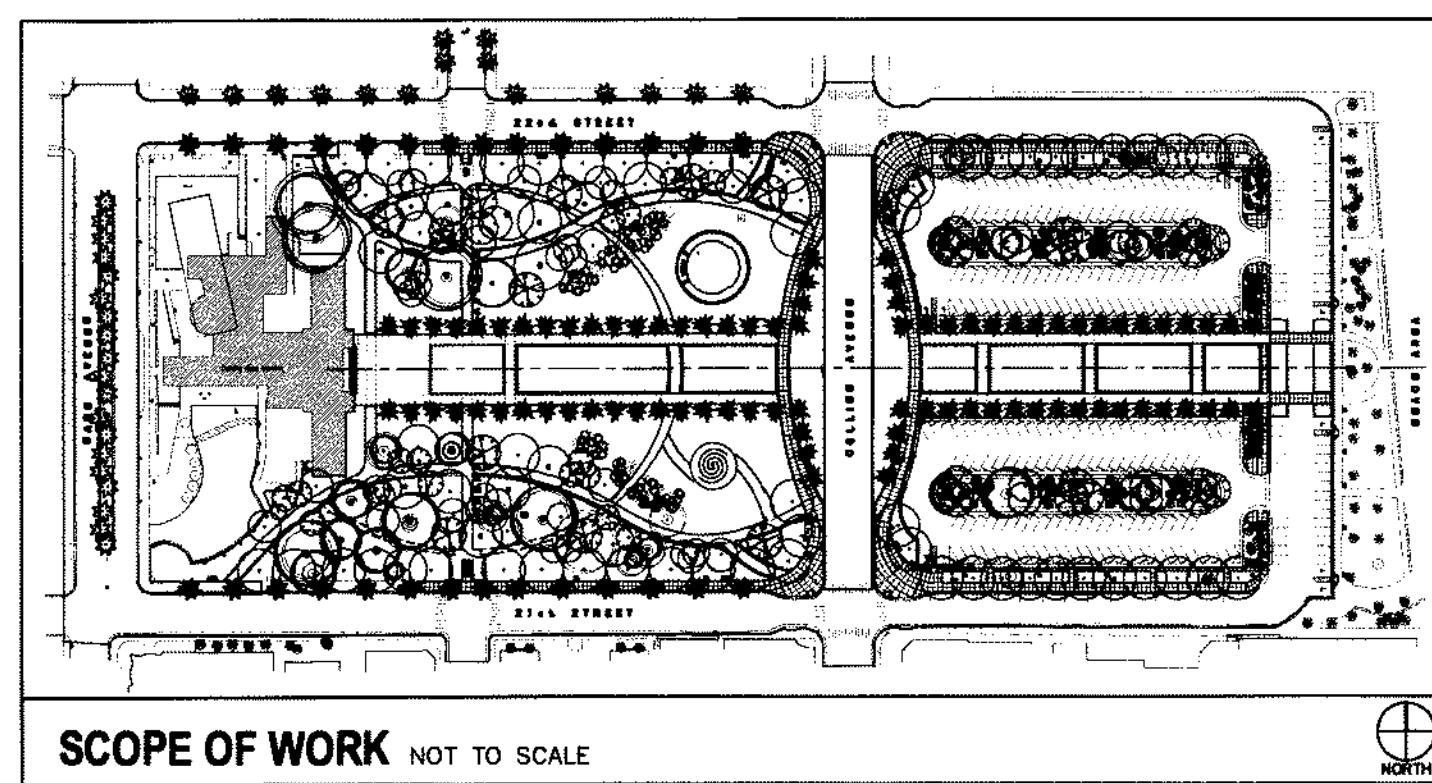
- E1.0 ELECTRICAL SYMBOL & LIGHTING SCHEDULE
- E1.1 ENLARGED SITE LIGHTING PLAN PARK & ROTUNDA
- E1.2 ENLARGED SITE LIGHTING PLAN: PARKING FACILITY
- E1.3 ROTUNDA LIGHTING PLAN
- E1.4 ELECTRICAL RISER, ELECTRICAL PANEL SCHEDULE
- E1.5 ELECTRICAL PANEL, ELECTRICAL PANEL SCHEDULE

FOUNTAIN DRAWINGS

- FS-1.0 SITE PLAN - ALL FEATURES
- FE-1.0 ELECTRICAL PIPING SCHEMATIC: SOUTH ENTRY FOUNTAIN
- FE-1.1 ELECTRICAL PIPING SCHEMATIC: NORTH ENTRY FOUNTAIN
- FE-1.2 ELECTRICAL PIPING SCHEMATIC: CENTRAL BASIN
- FE-1.3 ELECTRICAL PIPING SCHEMATIC: ROTUNDA BASIN
- FE-1.4 POWER SUPPLY AND BONDING DETAILS

- FP-1.0 DISCHARGE PIPING SCHEMATIC: SOUTH ENTRY FOUNTAIN
- FP-1.1 DISCHARGE PIPING SCHEMATIC: NORTH ENTRY FOUNTAIN
- FP-1.2 DISCHARGE PIPING SCHEMATIC: CENTRAL BASIN
- FP-1.3 DISCHARGE PIPING SCHEMATIC: ROTUNDA BASIN
- FP-1.4 SUCTION PIPING SCHEMATIC: SOUTH ENTRY FOUNTAIN
- FP-1.5 SUCTION PIPING SCHEMATIC: NORTH ENTRY FOUNTAIN
- FP-1.6 SUCTION PIPING SCHEMATIC: CENTRAL BASIN
- FP-1.7 SUCTION PIPING SCHEMATIC: ROTUNDA BASIN

- FD-1.0 VAULT / MECHANICAL SCHEMATIC: SOUTH FEATURE
- FD-1.1 VAULT / MECHANICAL SCHEMATIC: NORTH FOUNTAIN / CENTRAL BASIN
- FD-1.2 VAULT / MECHANICAL SCHEMATIC: ROTUNDA BASIN
- FD-1.3 EQUIPMENT INSTALLATION DETAILS ALL FOUNTAINS
- FD-1.4 EQUIPMENT INSTALLATION DETAILS ALL FOUNTAINS
- FD-1.5 THRUST BLOCK DETAILS
- FD-1.6 NOTES
- FD-1.7 NOTES
- FD-1.8 DISCHARGE NICHE CENTRAL BASIN
- S-1.1 FOUNTAIN VAULT EQUIPMENT - STRUCTURAL DETAILS



OFFICE COPY

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY

THE FOLLOWING:

BUILDING: *[Signature]* 10/16/08
ZONING: *[Signature]* 10/16/08
DRB/HPB: *[Signature]* 10/16/08
CONCURRENCY: *[Signature]* 10/16/08
PLUMBING: *[Signature]* 10/16/08
ELECTRICAL: *[Signature]* 10/16/08
MECHANICAL: *[Signature]* 10/16/08
FIRE PREVENTION: *[Signature]* 10/16/08
ENVIRONMENTAL: *[Signature]* 10/16/08
PUBLIC WORKS: *[Signature]* 10/16/08
STRUCTURAL: *[Signature]* 10/16/08
ELEVATOR: *[Signature]* 10/16/08

CIVIL ENGINEERING

CONSULTING ENGINEERING & SCIENCE, INC.
8925 SW 148 ST.
MIAMI, FLORIDA 33176
305-378-5555

LANDSCAPE ARCHITECTURE

WALLACE, ROBERTS, & TODD, LLC
191 GIRALDA AVE., PENTHOUSE
CORAL GABLES, FL 33134
305 448-0788

MECHANICAL/PLUMBING/ELECTRICAL ENGINEERING

SDM CONSULTING ENGINEERS
135 ALMERIA AVENUE
CORAL GABLES, FLORIDA 33134
305-446-2788

STRUCTURAL ENGINEER

BLISS & NYITRAY, INC.
800 DOUGLAS ENTRANCE
CORAL GABLES, FL 33134
305 442-7086

FOUNTAIN CONSULTANT

DELTA FOUNTAINS
11494 COLUMBIA PARK DR. W., SUITE 4
JACKSONVILLE, FLORIDA 32258
800-641-6675

*DESIGN REVIEW/HISTORIC PRESERVATION FOR BUILDING PERMITS
PLANNING DEPT. APPROVAL BY (INITIALS) DATE: 10/16/08
A BUILDING PERMIT CANNOT BE ISSUED AFTER
ANY MODIFICATIONS TO THESE PERMIT DRAWINGS MUST BE
REVIEWED AND APPROVED BY DESIGN REVIEW/HISTORIC PRESERVATION STAFF PRIOR
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COMPLETION OF THE PROJECT.

REVISION - 3
02 MAY 2008

PERMIT SET
08 NOVEMBER 2007

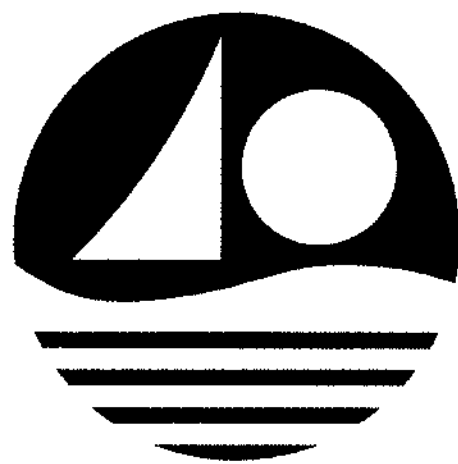
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MIAMI BEACH COLLINS PARK CULTURAL CAMPUS PROJECT

COLLINS PARK / ROTUNDA / STREETScape

MIAMI BEACH, FL

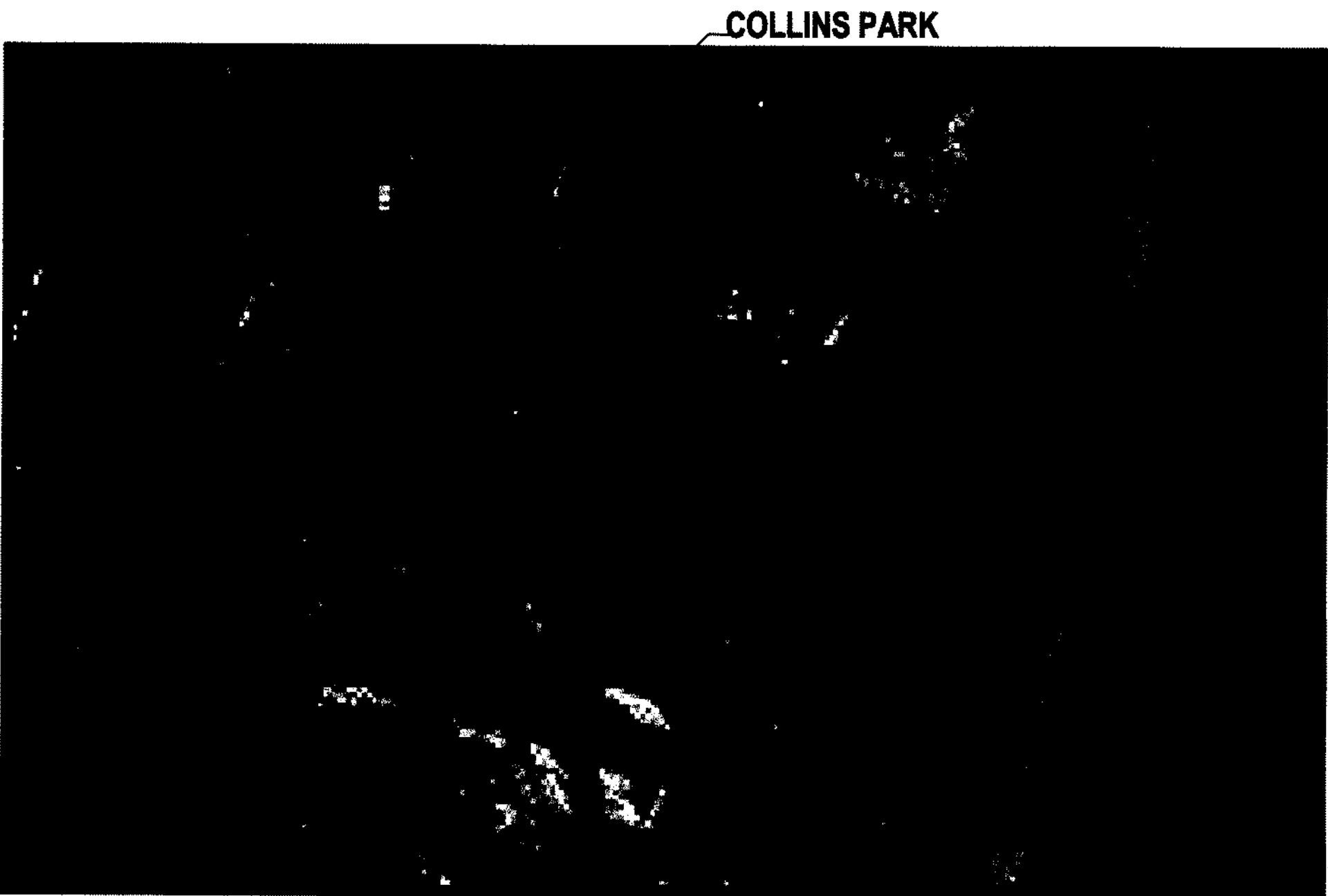
CITY OF MIAMI BEACH



MAYOR AND COMMISSION

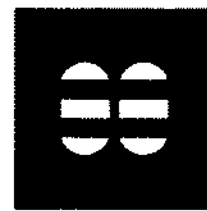
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 - C-6 PAVING-GRADING-DRAINAGE PLAN
 - C-7 SITE DETAILS
 - C-8 DRAINAGE DETAILS
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 - C-10 WATER AND SEWER PLAN
 - C-11 SEWER PROFILE AND DETAILS

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- L-1 TREE DISPOSITION PLAN
 - L-2 TREE DISPOSITION PLAN
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 - L-8 SHRUB / GROUND COVER PLANTING PLAN
 - L-9 PLANTING DETAILS
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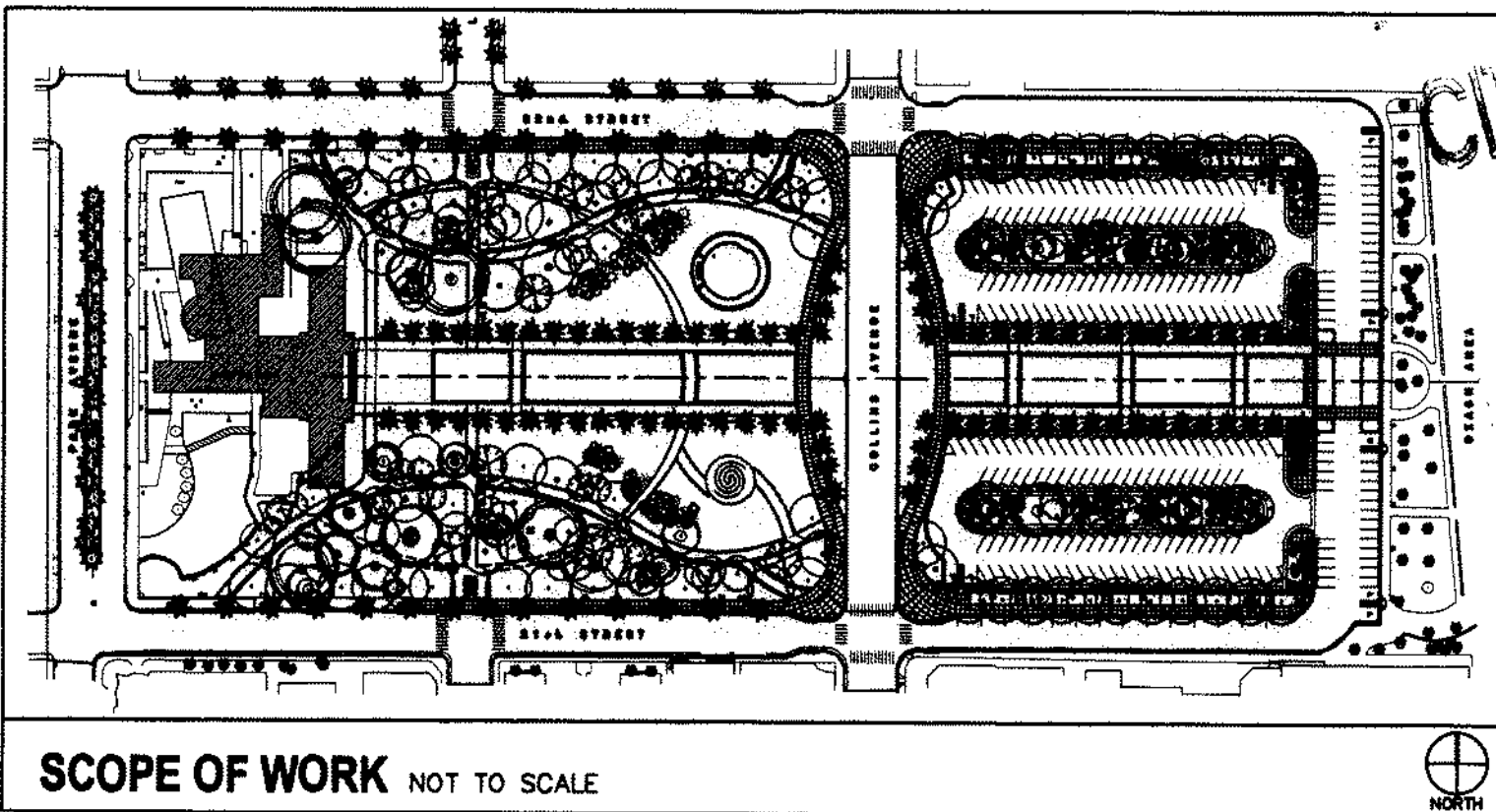
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 - A-1.3 SITE - ELEVATIONAL SECTIONS

- ARCHITECTURAL**
- AD-2.0 ROTUNDA - SELECTIVE DEMOLITION
 - A-2.0 ROTUNDA - PLANS, SECTION, ELEVATIONS, ROOF DETAILS
 - A-2.1 ROTUNDA - ENLARGED PLAN, DETAILS
 - A-2.2 ROTUNDA - TRANSLUCENT WALL PANEL SYSTEM
 - A-2.3 ROTUNDA - GATE, DOOR SCHEDULE, DETAILS
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- S-1.0 STRUCTURAL NOTES
 - S-2.0 STRUCTURAL PLANS AND DETAILS

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 - E1.1 ENLARGED SITE LIGHTING PLAN PARK & ROTUNDA
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 - E1.3 ROTUNDA LIGHTING PLAN
 - E1.4 REELECTRICAL RISER, ELECTRICAL PANEL SCHEDULE
 - E1.5 ELECTRICAL PANEL, ELECTRICAL PANEL SCHEDULE

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OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
VOID
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PROTECTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:

CIVIL ENGINEERING

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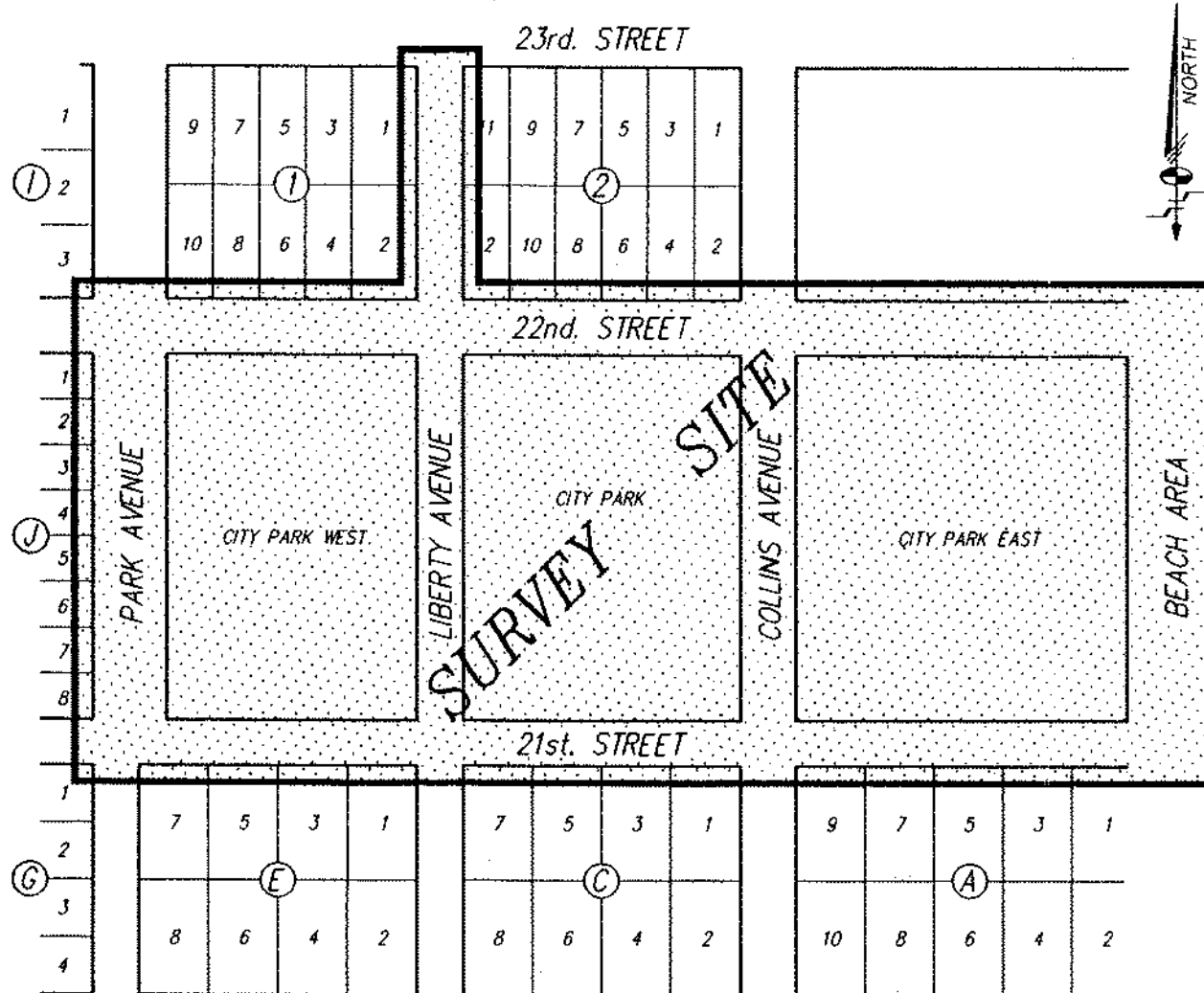
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800-641-6675

PERMIT SET
08 NOVEMBER 2007

LEGEND

- ALUMINUM LIGHT POST
- ALUMINUM LIGHT POST (SINGLE)
- ALUMINUM LIGHT POST (DOUBLE)
- ALUMINUM LIGHT POST (TRIPLE)
- ALUMINUM LIGHT POST (QUAD)
- ANCHOR/CLAY WIRE
- BACKFLOW PREVENTER ASSEMBLY
- CABLE TELEVISION BOX
- CATCH BASIN
- CENTERLINE
- CHECK VALVE ASSEMBLY
- CIRCULAR DRAIN
- COLUMN (CIRCULAR)
- COLUMN (SQUARE)
- CONCRETE LIGHT POLE
- CONCRETE LIGHT POLE (DOUBLE)
- CONCRETE POWER POLE
- CONTROL POINT
- CURB INLET
- ELECTRIC BOX
- ELECTRIC HAND HOLE
- ELEVATIONS PER N.G.V.D.
- FIRE HYDRANT
- FLOW LINE
- FORCE MAIN MANHOLE
- FORCE MAIN VALVE
- F.P.L. ELECTRIC MANHOLE
- F.P.L. TRANSFORMER PAD
- F.P.L. TRANSMISSION POLE
- GAS METER
- GAS PUMP
- GAS VALVE
- GREASE TRAP MANHOLE
- GROUND LIGHTING
- GUARD POST
- IRRIGATION HAND HOLE
- IRRIGATION VALVE
- MALBOX
- MONITOR WELL
- MONUMENT LINE
- P-5 INLET
- P-6 INLET
- PARKING METER
- PEDESTRIAN CROSSING SIGNAL
- PERMANENT REFERENCE MONUMENT
- POST INDICATOR VALVE
- PRESSURE VACUUM BREAKER ASSEMBLY
- PROPERTY LINE
- SANITARY SEWER CLEAOUT
- SANITARY SEWER MANHOLE
- SEWER CONNECTION
- SDN POST
- SPRINKLER PUMP
- STANDPIPE
- STORM DRAIN
- STORM SEWER MANHOLE
- STREET LIGHT HAND HOLE
- SMILE INLET
- TELEPHONE BOX (SOUTHERN BELL)
- TELEPHONE HAND HOLE
- TELEPHONE MANHOLE (S.O. BELL)
- TELEPHONE PAYPHONE
- TRAFFIC HAND HOLE
- TRAFFIC UTILITY BOX
- TRAFFIC SIGNAL POST
- UNDERGROUND UTILITY MARKER
- UTILITY HAND HOLE
- WATER MANHOLE
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD POWER POLE
- HANDCAP SYMBOL
- PARKING BY PERMIT
- denotes RADII
- denotes SETBACK ANGLE
- denotes ARC DISTANCE
- denotes TANGENT DISTANCE
- denotes PERMANENT CONTROL POINT
- denotes PERMANENT REFERENCE MONUMENT
- denotes OVERHEAD UTILITY WIRES
- denotes OFFICIAL RECORDS BOOK
- denotes POINT OF CURVATURE
- denotes CONCRETE BLOCK STRUCTURE
- denotes CONCRETE
- denotes CHAINLINK FENCE
- denotes WOOD FENCE
- denotes FOUND IRON PIPE
- denotes SET IRON PIPE & LB-87 CAP
- denotes FOUND BRASS DISC & NAL
- denotes SET LB-87 BRASS DISC & NAL
- denotes CLEAR
- denotes ENCROACHMENT
- denotes CALCULATED DISTANCE
- denotes MEASURED DISTANCE
- denotes RECORD OR PLATTED DISTANCE
- denotes PROPOSED DISTANCE



LOCATION SKETCH

A portion of "Amended Map of the Ocean Front Property of the Miami Beach Improvement Company, according to the plat thereof, as recorded in Pkt Book 5, Page 7 & 8, of the Public Records of Miami-Dade County, Florida.

Scale: 1"=200'

LEGAL DESCRIPTION:

3 Tracts of land labeled "City Park" as shown on that certain plat of "AMENDED MAP OF THE OCEAN FRONT PROPERTY OF THE MIAMI BEACH IMPROVEMENT COMPANY, according to the plat thereof, as recorded in Pkt Book 5, of Pages 7 & 8, of the Public Records of Miami-Dade County, Florida.

TREE LEGEND:

denotes Multiple Trunks if applicable
denotes Canopy Diameter
denotes Tree Species Code (See Below)
denotes Trunk Diameter in inches at 3' above grade

AB	African Babob	Adansonia digitata
AP	Alexandra Palm	Archontophoenix alexandroe
B	Banyan	Ficus bengalensis
BF	Benjamin Fig	Ficus benjamina
BO	Black Olive	Bucida buxeras
BW	Buttonwood	Coccoloba diversifolia
CP	Coconut Palm	Cocos nucifera
DM	Dracena	Dracena marginata
DP	Canary Island Date Palm	Phoenix canariensis
DPSP	Date Palm	Date Palm (Unknown)
EC	Eastern Cottonwood	Populus deltoides
FD	Rubber Tree	Ficus decora
FSP	Ficus	Ficus (Unknown)
GL	Gumbo Limbo	Bursera sinaruba
GP	Gambay Palm	Corophia utan
GT	Geiger	Tree Cordia sebastena
JY	Japanese Yew	Podocarpus macrophylla
MY	Myrsine	Myrsine floridana
PA	Pond Apple	Annona glabra
PP	Pidgeon Palm	Coccoloba diversifolia
QP	Queen Palm	Areacatum ramossifolium
OV	Live Oak	Quercus virginiana
RPL	Red Loton Palm	Lantania lantarioides
RPL	Royal Palmetto	Delonix regia
SA	Sweet Acacia	Acacia farnesiana
SBW	Silver Buttonwood	Coccoloba diversifolia
SOP	Screw Pine	Pandanus utilis
SLF	Shortleaf Fig	Ficus citrifolia
SP	Sabal Palm	Sabal palmetto
THP	Thatch Palm	Thrinax radiata
TI	Purple Tabebuia	Tabebuia impetiginosa
TP	Pink Trumpet	Tabebuia pallida
UNA	Unknown Tree Type A	Unknown Tree
UNB	Unknown Tree Type B	Unknown Tree
UP	Palm	Palm (Unknown)
WP	Washington Palm	Washingtonia robusta

SURVEYOR'S NOTES:

- This sketch is not a "Boundary" survey. This sketch is a "Specific Purpose Survey."
- There are no visible encroachments, other than those shown herein.
- The elevations shown hereon relate to National Geodetic Vertical Datum (N.G.V.D.) of 1929.
- Visible indicators of utilities are shown hereon, however, no attempt was made to locate underground items.
- No attempt was made by this firm to locate wall or fence footers/foundations.
- The distances shown along the property lines hereon are record and measured, unless noted otherwise.
- The property shown hereon falls within Federal Flood Hazard Zone "AE" (E1 B) per Flood Insurance Rate Map No. 120651 D184 J, map dated March 2, 1994, index map dated July 17, 1995.
- This sketch has been prepared for the exclusive use of the entity (entities) named hereon. The certification shown hereon does not extend to any unnamed parties.
- This sketch is subject to easements, rights-of-way and other matters that may be reflected by a search of title to the subject lands.
- Any applicable building setback lines affecting the subject property are based on an approved site plan prepared by a qualified architect and are not shown hereon.
- Benchmark A: south rim of electric manhole in sidewalk on the south side of 22nd Street at the intersection of Liberty Avenue. Elevation=5.22 N.G.V.D.
- Benchmark B: 2" square on top of curb by manhole at the southwest corner of the intersection of 21st Street and Liberty Avenue. Elevation=5.86 N.G.V.D.
- This survey was prepared to locate right-of-way lines and topographic improvements within the project area.

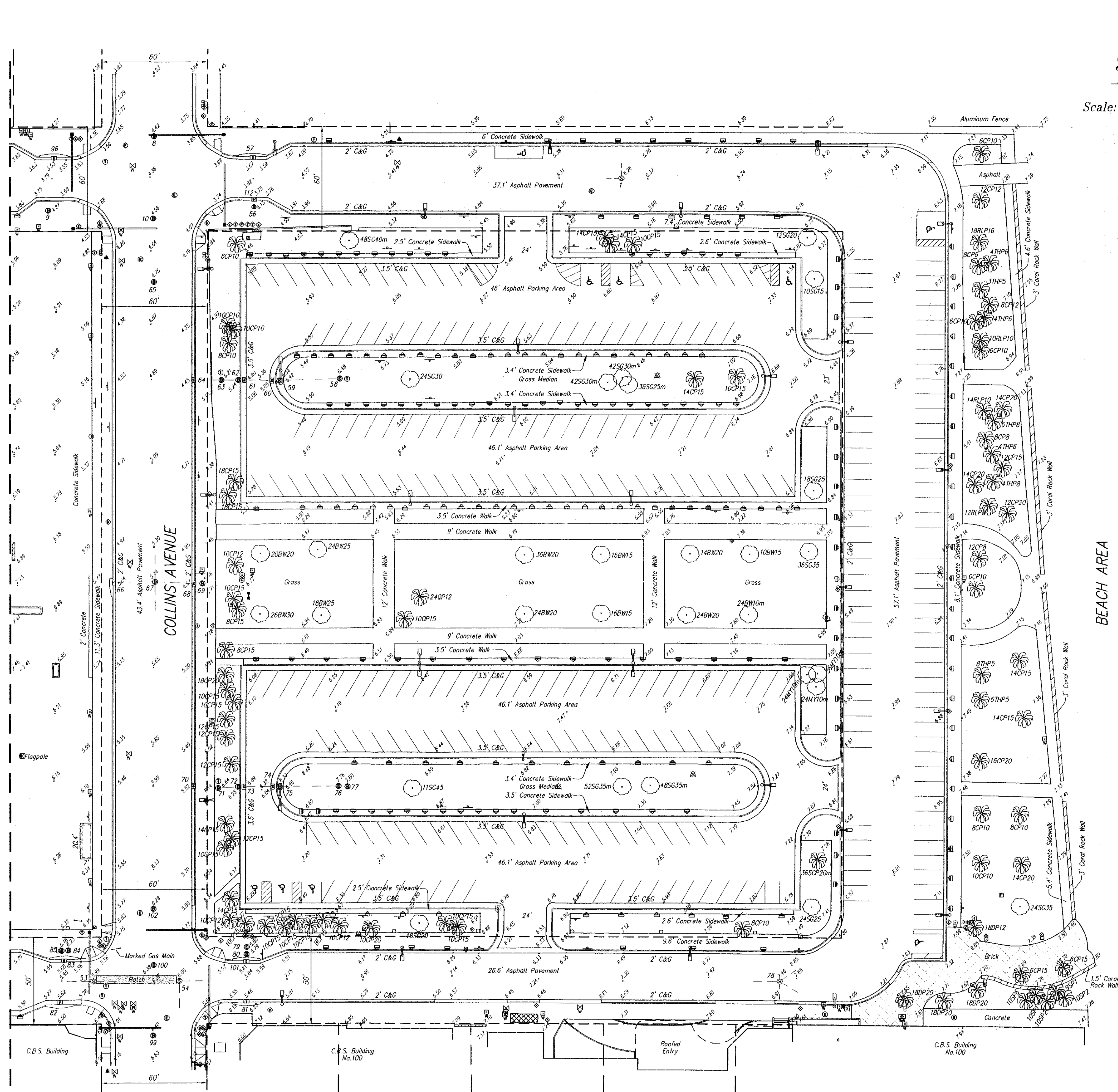
I HEREBY CERTIFY:

That the attached "SPECIFIC PURPOSE SURVEY" of the lands shown hereon is true and correct to the best of my knowledge and belief as recently surveyed and drawn under my supervision and direction. This survey complies with the applicable Minimum Technical Standards adopted by the Florida State Board of Professional Surveyors and Mappers as contained in Chapter 61G17-6, Florida Administrative Code, pursuant to Chapter 472.027, Florida Statutes.

SCHWABKE-SHISKIN & ASSOCIATES, INC.

By: Jose L. Sanfilippo, Vice President
Professional Land Surveyor No. 5636
State of Florida

MATCH LINE - SEE SHEET 2



Scale: 1"=30'

BEACH AREA

SPECIFIC PURPOSE SURVEY

"Collins Park"

Prepared For:
McHARRY & ASSOCIATES, INC.

Sections 26 & 34, Township 53 South, Range 42 East, Miami Beach, Florida

REVISIONS

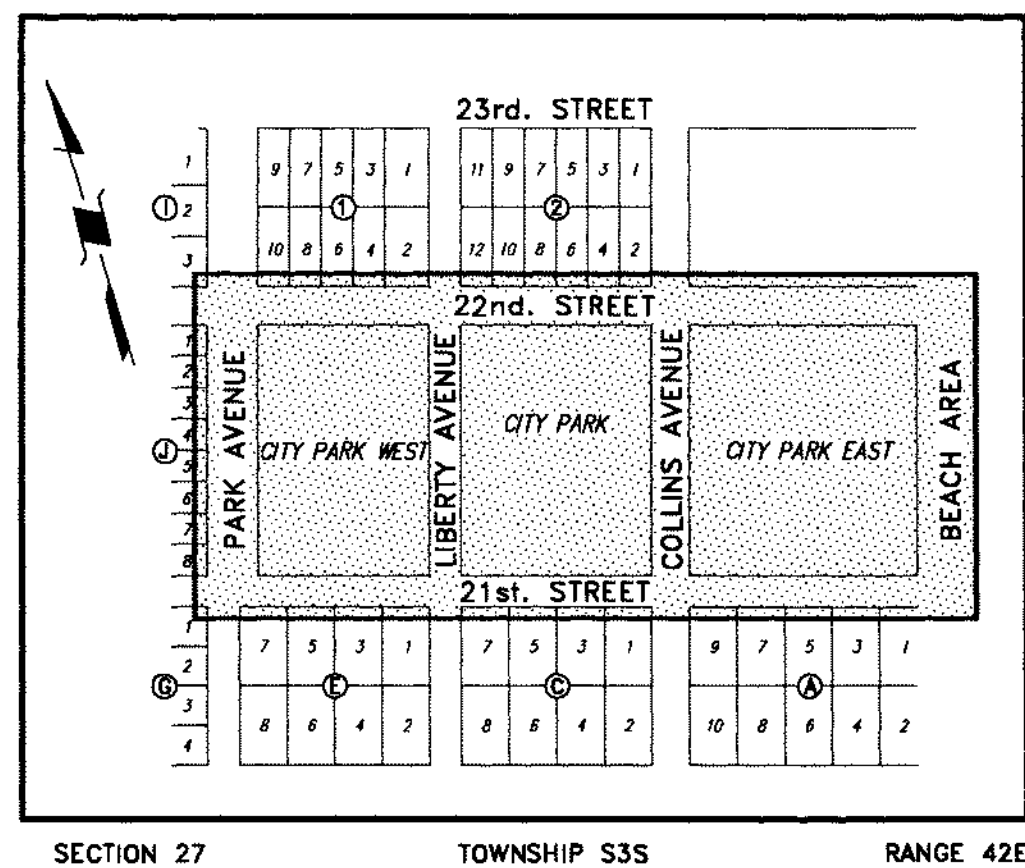
NO.	DATE	DESCRIPTION
1	10/18/08	Initial Survey

CADD FILE: COLLINS PARK
FILE NO.: SD-1261

Schwabke-Shiskin & Associates, Inc.
LAND PLANNERS • ARCHITECTS • LAND SURVEYORS
1151 S.W. 14th Street, Suite 300
Miami, Florida 33135
TEL: (305) 331-2410 FAX: (305) 331-1481
E-MAIL: info@schwabke-shiskin.com

NOTES: This sketch is not valid unless it bears the signature and the original raised seal of a Florida licensed surveyor and mapper.

Drawn By: JMS
Checked By: JMS
Survey Date: 10-17-08
F.S. No.: 50-514
Scale: AS SHOWN
Sheet: 1 of 2
SD-1261 AJ



LOCATION MAP
SCALE: 1" = 300'

LEGAL DESCRIPTION

3 TRACTS OF LAND LABELED "CITY PARK" AS SHOWN ON THAT CERTAIN PLAT OF "AMENOE MAP OF THE OCEAN FRONT PROPERTY OF THE MIAMI BEACH IMPROVEMENT COMPANY, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5 AT PAGES 7 & 8, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

UTILITY COMPANIES

FLORIDA POWER & LIGHT COMPANY
MS. LEYLA LEIVA
122 S.W. 3rd STREET
MIAMI, FLORIDA 33130
PHONE: (305) 377-6107

BELLSOUTH TELEPHONE COMPANY
MR. STEVEN B. MASSIE
9101 S.W. 24TH STREET
MIAMI, FLORIDA 33165
PHONE: (305) 222-8745

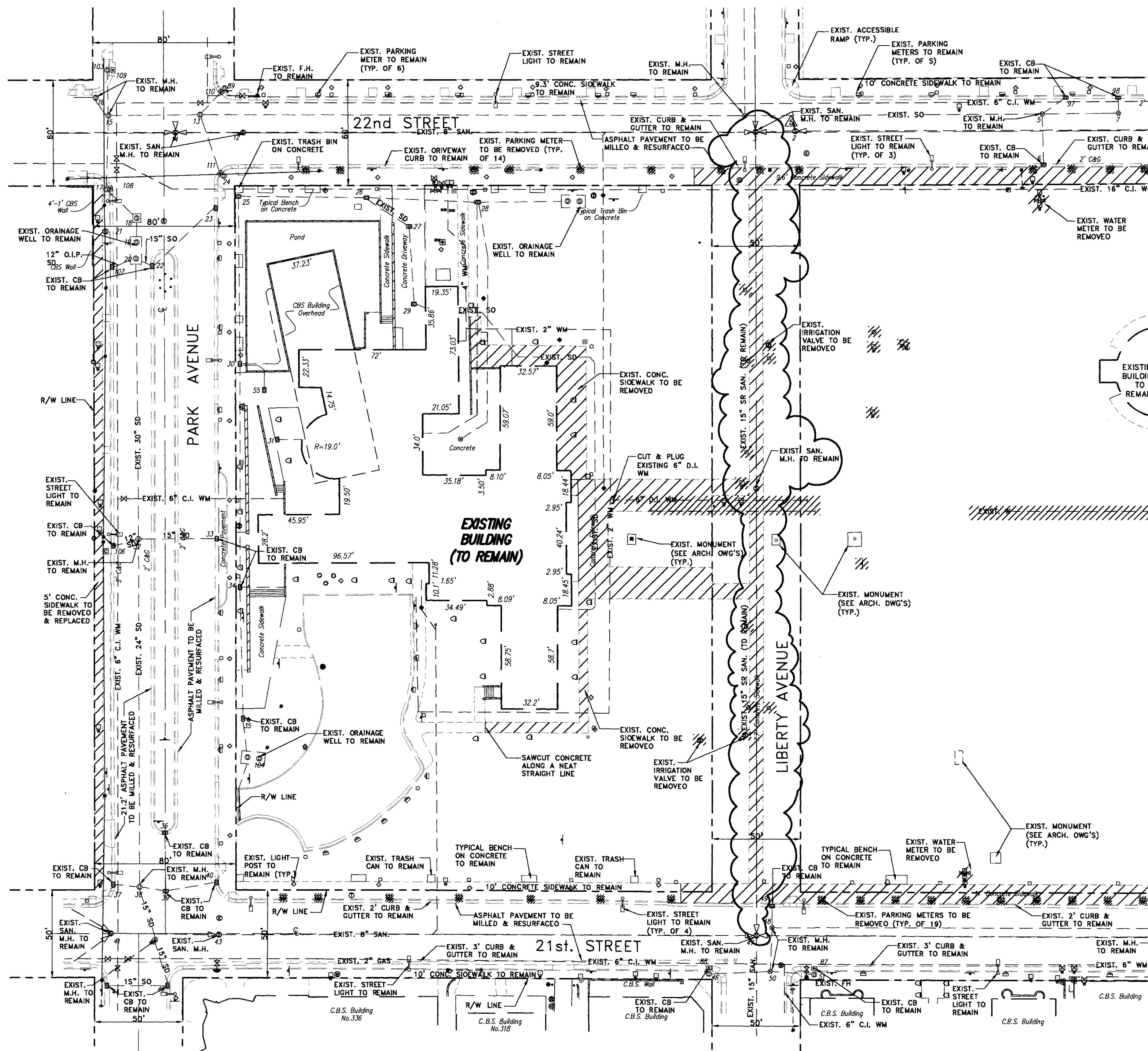
TECO PEOPLES GAS COMPANY
MR. ANGEL OJANT
ENGINEERING DIVISION
60 N.W. 17th STREET
MIAMI, FLORIDA 33101
PHONE: (305) 573-3820

ATLANTIC BROOKBANK
MR. KEN KEITH
1681 79th STREET CAUSEWAY
NORTH BAY VILLAGE, FLORIDA 33141
PHONE: (305) 861-8069

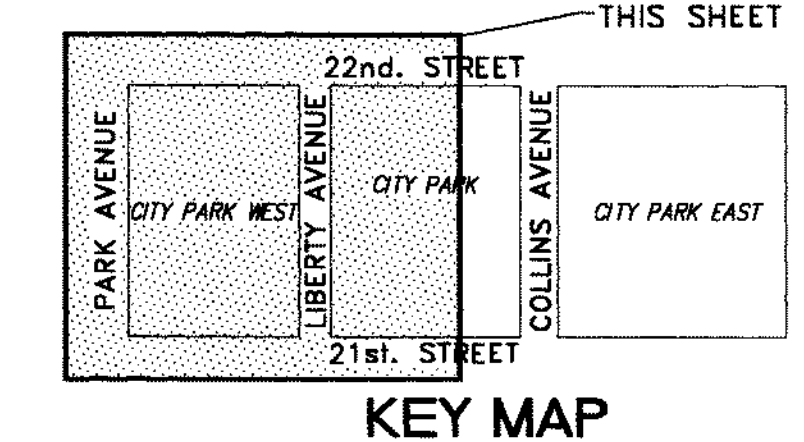
CITY OF MIAMI BEACH PUBLIC WORKS
MR. OSMAR WOODSON
1700 CONVENTION CENTER DRIVE, 4th FLOOR
MIAMI BEACH, FL 33139
PHONE: (305) 673-7080

LEGEND

- WM EXISTING WATER MAIN
- EXISTING FIRE HYDRANT
- EXISTING SEWER MANHOLE
- EXISTING VALVE
- EXISTING WATER METER
- EXISTING PARKING METER
- EXISTING CATCH BASIN
- DEMOTES ASPHALTIC PAVEMENT/ SIDEWALK/CURB & GUTTER DEMOLITION



DEMOLITION PLAN
SCALE: 1" = 30'



KEY MAP



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
E9-0003255
FOR THE FIRM: RICHARD & BOCHNOVICH PE-19933 (CIVIL)

MATCH LINE - SEE SHEET C-2

MAY 02, 2008 PERMIT SET

DRAWN BY: S.O.

CHKD BY: N.H.O. / B.F.P.

APP'D BY: R.B.B.

ISSUE DATE: NOV 08, 2007

REVISIONS: NO DATE

NOVEMBER 19, 2008

MAY 2, 2008

MCHARRY ASSOCIATES
ARCHITECTURAL & ENGINEERING PLANNING
THOMAS M. CHARRY, P.E. JAMES M. HARRIS, P.E.
3700 SW DOWLAND RD., SUITE 305
MIAMI, FLORIDA 33133 (305) 448-3700
WWW.MCHARRY.COM

PROJECT TITLE

COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER

CITY OF MIAMI BEACH

DEMOLITION PLAN

SCALE: 1" = 30'

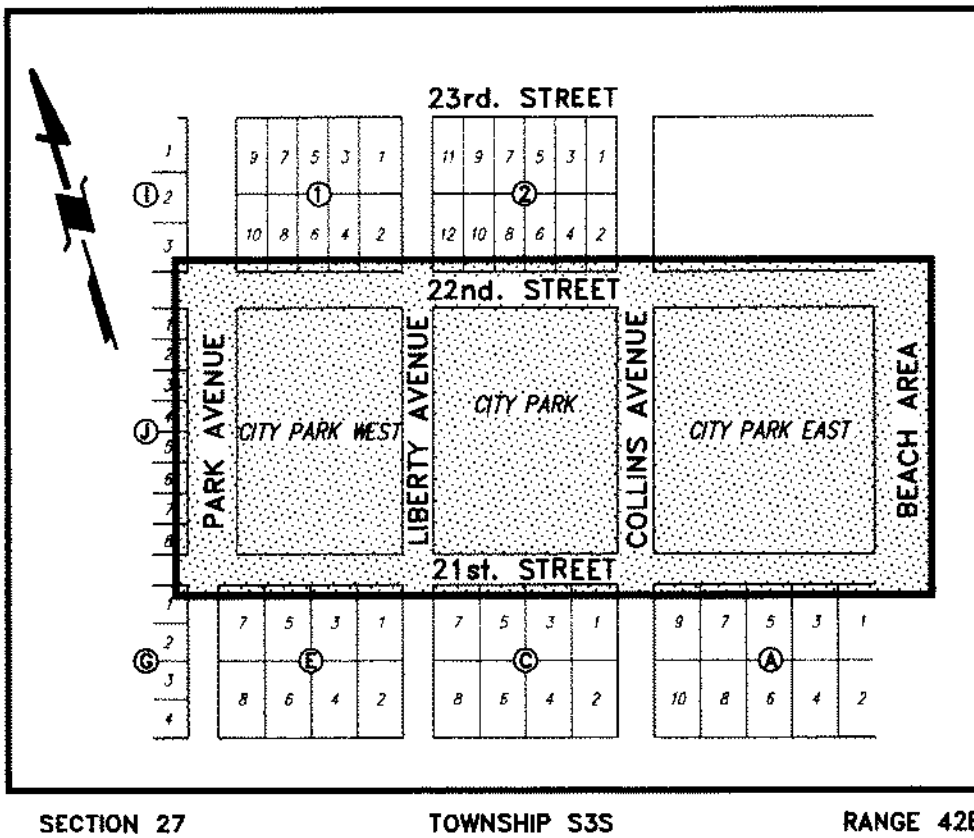
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

SHEET NO.

C-1

DATE

MAY 02, 2008



LOCATION MAP
SCALE: 1" = 300'

LEGAL DESCRIPTION

3 TRACTS OF LAND LABELED "CITY PARK" AS SHOWN ON THAT CERTAIN PLAT OF "AMENODE MAP OF THE OCEAN FRONT PROPERTY OF THE MIAMI BEACH IMPROVEMENT COMPANY, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK S AT PAGES 7 & B, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

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MIAMI, FLORIDA 33130
PHONE: (305) 377-6107

BELLSOUTH TELEPHONE COMPANY
MR. STEVEN B. MASSIE
9101 S.W. 24TH STREET
MIAMI, FLORIDA 33165
PHONE: (305) 222-8745

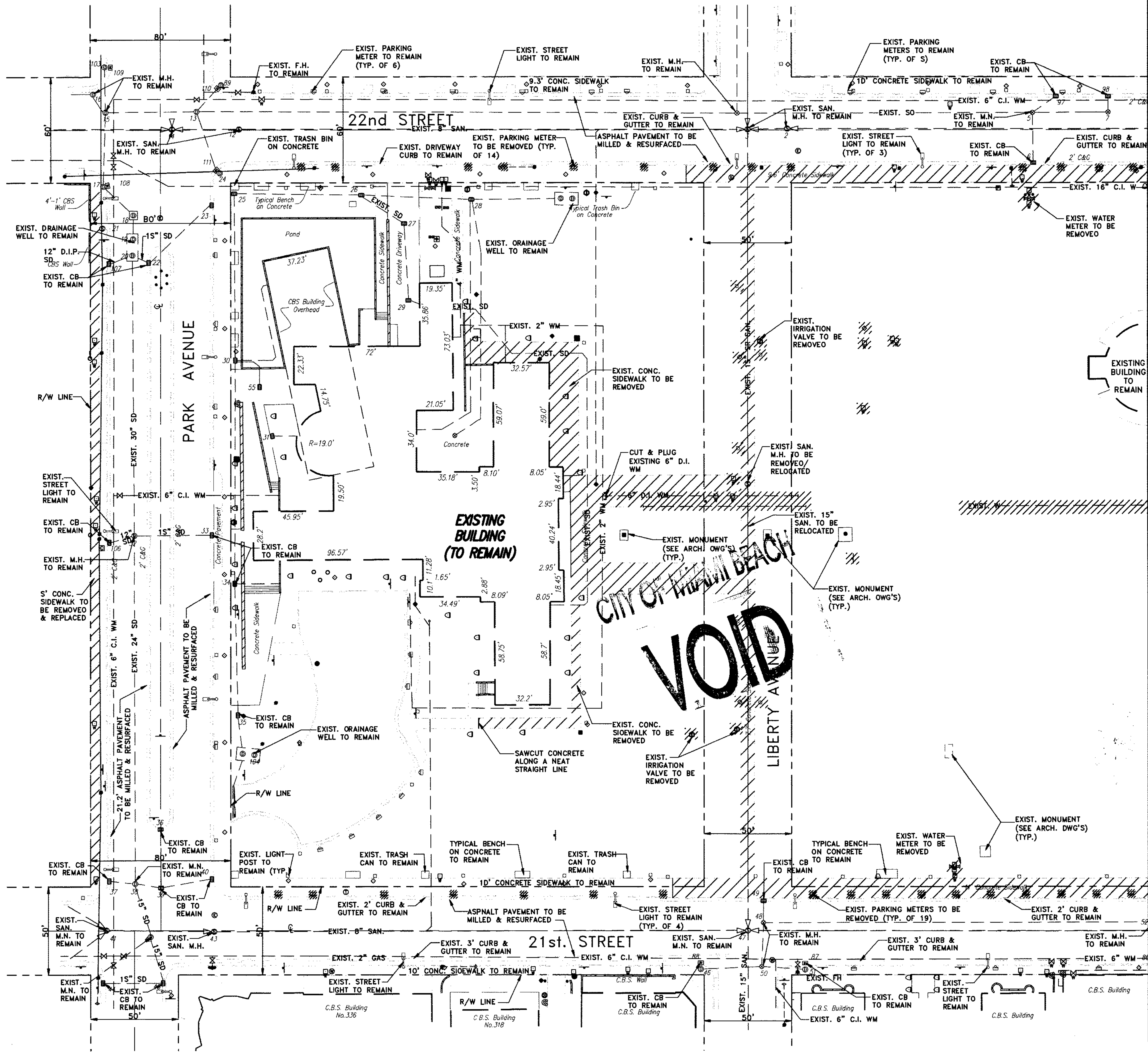
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ENGINEERING DIVISION
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PHONE: (305) 573-3820

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1681 79th STREET CAUSEWAY
NORTH BAY VILLAGE, FLORIDA 33141
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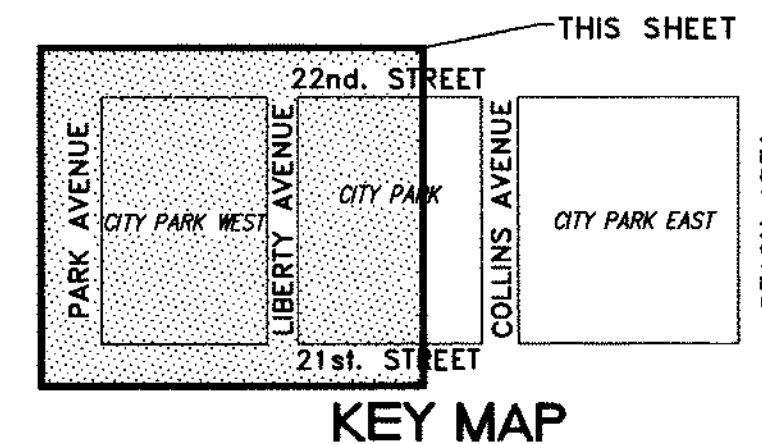
CITY OF MIAMI BEACH PUBLIC WORKS
MR. DEMAR WOODSON
1700 CONVENTION CENTER DRIVE, 4th FLOOR
MIAMI BEACH, FL. 33139
PHONE: (305) 673-7080

LEGEND

- WM EXISTING WATER MAIN
- EXISTING FIRE HYDRANT
- EXISTING SEWER MANHOLE
- EXISTING VALVE
- EXISTING WATER METER
- EXISTING PARKING METER
- EXISTING CATCH BASIN
- NOTES ASPHALTIC PAVEMENT/
SIDEWALK/CURB & GUTTER
DEMOLITION



DEMOLITION PLAN
SCALE: 1" = 30'



KEY MAP

MATCH LINE - SEE SHEET C-2



CONSULTING ENGINEERING & SCIENCE, INC.
8025 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
CB-0003225
1/13/08
FOR THE CITY OF MIAMI BEACH
PE-10833 (CIVIL)

NOV 08, 2007 PERMIT SET

DEMOLITION PLAN

PROJECT TITLE
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWN BY: S.D.
CHKD BY: N.N.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
NO. DATE

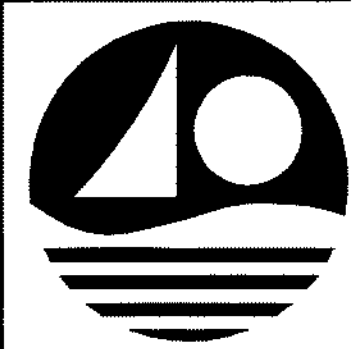
MCHARRY ASSOCIATES
2780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 448-3785
WWW.MCHARRY.COM



SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO. C-1

C.E.S. PROJECT NO.: 0433



PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER: CITY OF MIAMI BEACH

TITLE

DEMOLITION PLAN

AND NOTES

SCALE: 1" = 30'

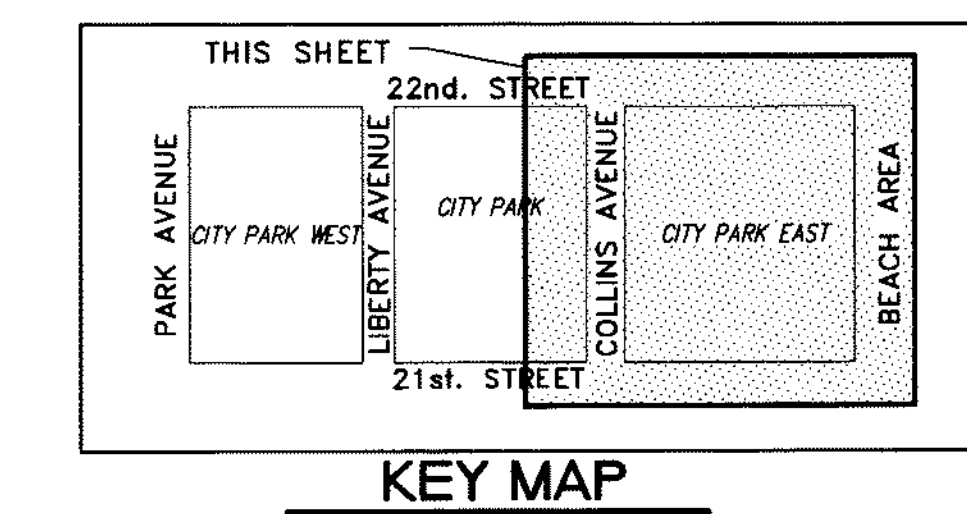
1. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH WORK.

C-2

SCALE: 1" = 30'

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

C-2



1. EXISTING CONDITIONS SHOWN BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO INITIATING WORK.
2. ALL EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES.
3. UNLESS OTHERWISE NOTED, ALL EXISTING IMPROVEMENTS WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO STRUCTURES, FOUNDATIONS, SLABS, PAVEMENTS, DRAINAGE FACILITIES, SITE LIGHTING FACILITIES, AND UTILITY FACILITIES, SHALL BE REMOVED IN THEIR ENTIRETY. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ALL EXISTING BUILDING STRUCTURES SHALL BE REMOVED INCLUDING FOUNDATIONS, UNDERGROUND PIPING, GREASE TRAPS, LIGHTING, ETC.
5. ASPHALTIC PAVEMENT DESIGNATED FOR DEMOLITION SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT AN APPROVED LOCATION. SAWCUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
6. LIMEROCK SUBBASE SHALL BE SCARIFIED TO ITS FULL DEPTH. IN NO CASE SHALL REMOVED LIMEROCK SUBBASE BE USED AS SUBBASE FOR NEW ROADWAYS, DRIVEWAYS, OR PARKING AREAS.
7. ALL EXISTING DRAINAGE IMPROVEMENTS SHALL BE REMOVED, INCLUDING STRUCTURES, PIPES, FRENCH DRAINS, ETC, UNLESS OTHERWISE NOTED. IF SLAB COVERED TRENCHES ARE ENCOUNTERED, SLABS SHALL BE REMOVED AND TRENCHES SHALL BE FILLED WITH ON-SITE MATERIAL.
8. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITY SERVICE LINES PRIOR TO START OF CONSTRUCTION AND DETERMINE THE REQUIREMENTS FOR THEIR PROTECTION.
9. THE CONTRACTOR SHALL ARRANGE FOR THE PROPER DISCONNECTION AND CAPPING OF ALL UTILITIES BY THE APPROPRIATE CERTIFIED TECHNICIAN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL UTILITIES DESIGNATED TO REMAIN AND TO REPAIR ANY DAMAGED UTILITIES.
11. ALL EXISTING UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER, SEWER, GAS, POWER & TELEPHONE SHALL BE TERMINATED AT PROPERTY LINE AND REMOVED WITHIN THE DEMOLITION LIMITS. CONTRACTOR SHALL COORDINATE WITH EACH AFFECTED UTILITY COMPANY.
12. ALL DEMOLITION DEBRIS, EQUIPMENT AND APPURTENANCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF-SITE IN AN APPROVED MANNER, UNLESS OTHERWISE DESIGNATED BY THE OWNER.

	EXISTING WATER MAIN
	EXISTING FIRE HYDRANT
	EXISTING SEWER MANHOLE
	EXISTING VALVE
	EXISTING WATER METER
	EXISTING PARKING METER
	EXISTING CATCH BASIN
	DENOTES ASPHALTIC PAVEMENT SIDEWALK/CURB & GUTTER DEMOLITION

CALL 48 HOURS BEFORE YOU DIG IN FLORIDA



IT'S THE LAW!

1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

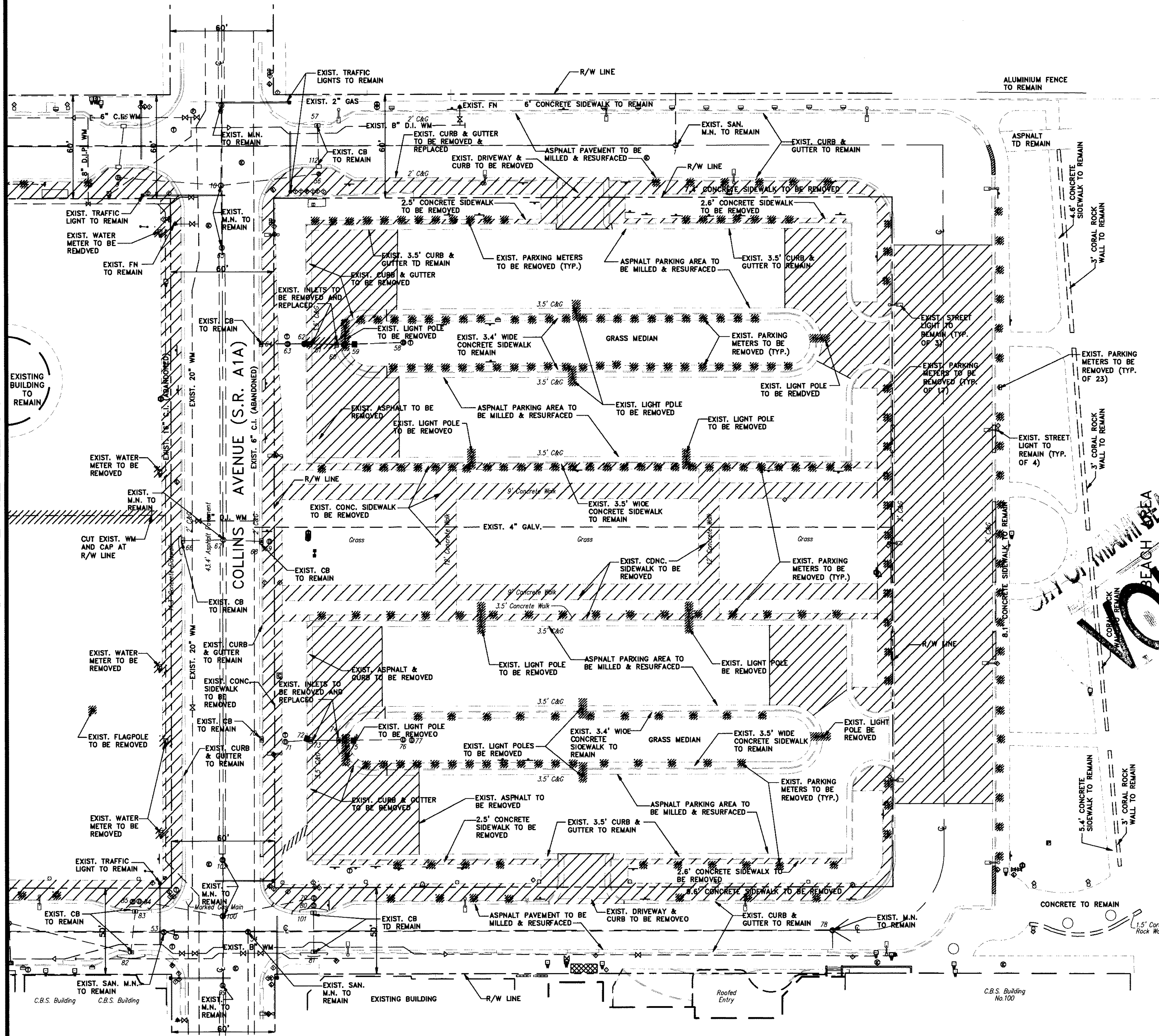

CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148TH STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-9555
EB-0003255
B. Bochnovich 5/14/08
FOR THE FIRM
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

DEMOLITION PLAN
SCALE : 1" = 3D'

NOTE:

1. PARKING METERS TO BE REMOVED BY CITY FORCES AT CONTRACTOR'S EXPENSE
2. PARKING METER POST SHALL BE REMOVED BY CONTRACTOR.

MATCH LINE - SEE SHEET C-1



DEMOLITION PLAN
SCALE: 1" = 30'

NOTE:

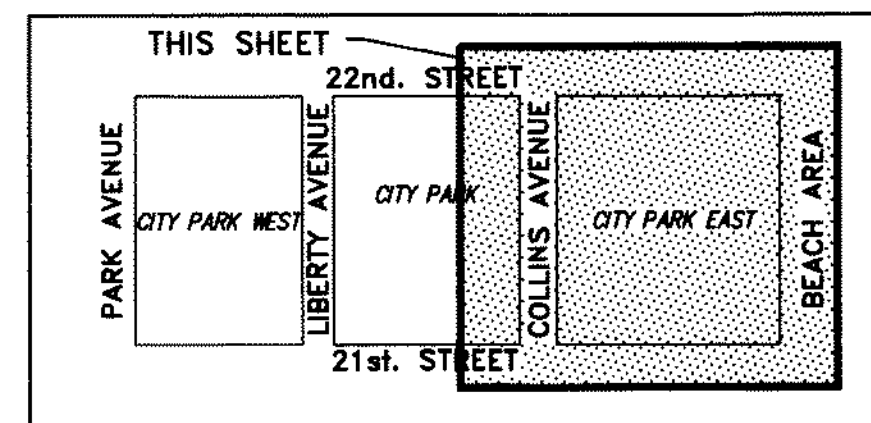
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2. PARKING METER POST SHALL BE REMOVED BY CONTRACTOR.

DEMOLITION NOTES

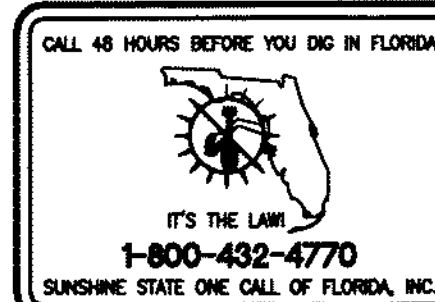
1. EXISTING CONDITIONS SHOWN BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO INITIATING WORK.
2. ALL EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES.
3. UNLESS OTHERWISE NOTED, ALL EXISTING IMPROVEMENTS WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO STRUCTURES, FOUNDATIONS, SLABS, PAVEMENTS, DRAINAGE FACILITIES, SITE LIGHTING FACILITIES, AND UTILITY FACILITIES, SHALL BE REMOVED IN THEIR ENTIRETY. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ALL EXISTING BUILDING STRUCTURES SHALL BE REMOVED INCLUDING FOUNDATIONS, UNDERGROUND PIPING, GREASE TRAPS, LIGHTING, ETC.
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9. THE CONTRACTOR SHALL ARRANGE FOR THE PROPER DISCONNECTION AND CAPPING OF ALL UTILITIES BY THE APPROPRIATE CERTIFIED TECHNICIAN.
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12. ALL DEMOLITION DEBRIS, EQUIPMENT AND APPURTENANCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF-SITE IN AN APPROVED MANNER, UNLESS OTHERWISE DESIGNATED BY THE OWNER.

LEGEND

WM	EXISTING WATER MAIN
	EXISTING FIRE HYDRANT
	EXISTING SEWER MANHOLE
	EXISTING VALVE
	EXISTING WATER METER
	EXISTING PARKING METER
	EXISTING CATCH BASIN
	DENOTES ASPHALTIC PAVEMENT / SIDEWALK / CURB & GUTTER DEMOLITION



KEY MAP



CONSULTING ENGINEERING & SCIENCE, INC.
6925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EB-0003225

FOR THE FIRM:
RICHARD J. BOCHNOVICH PE-10833 (CIVIL)

11/2/08

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

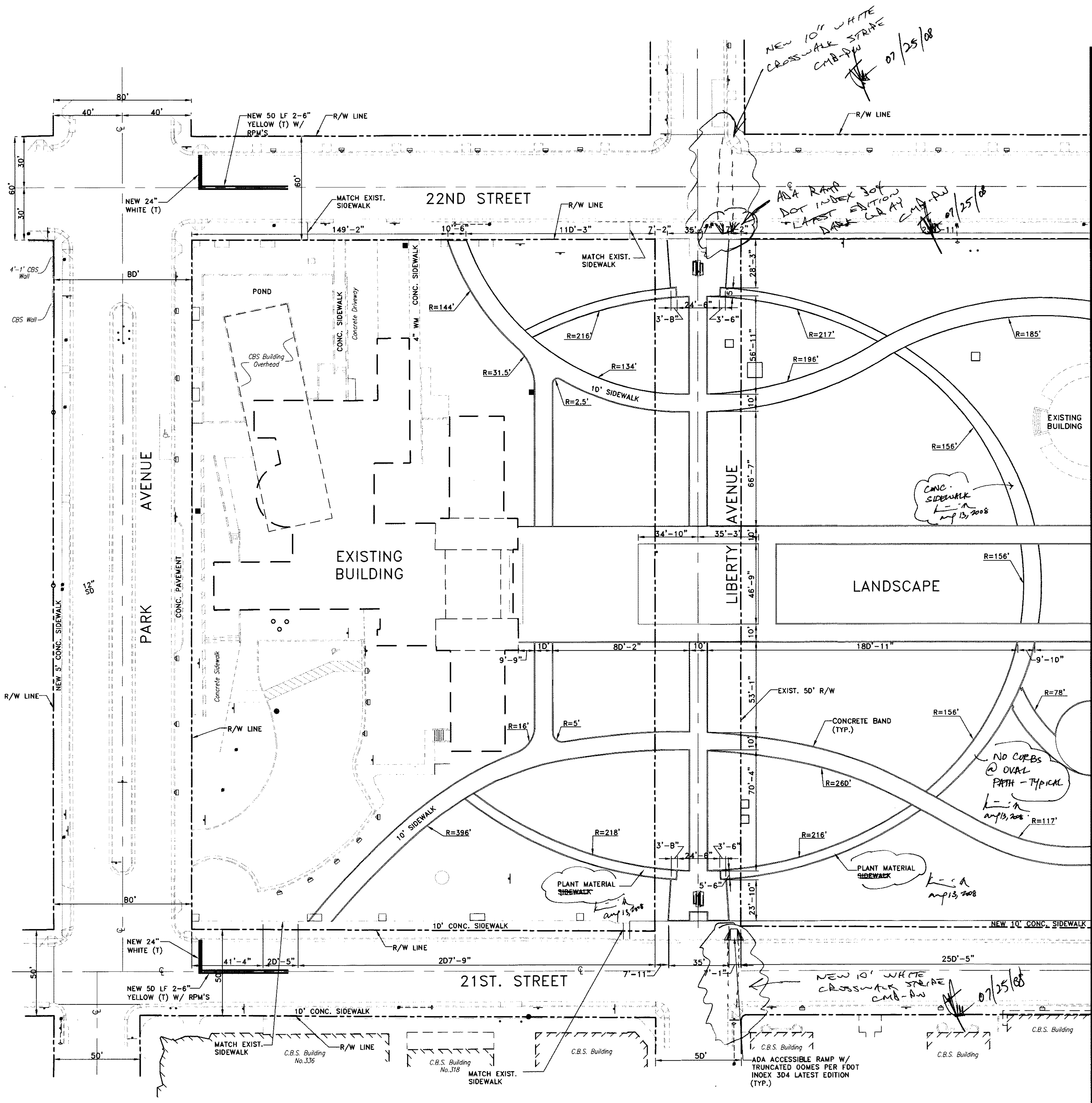
MC HARRY ASSOCIATES
2780 SW DOUGLAS RD. SUITE 202
MIAMI, FLORIDA 33135 (305) 444-2788
WWW.MCHARRY.COM



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
DEMOLITION PLAN
AND NOTES
SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.
C-2



MATCH LINE - SEE SHEET C-4

GENERAL NOTES

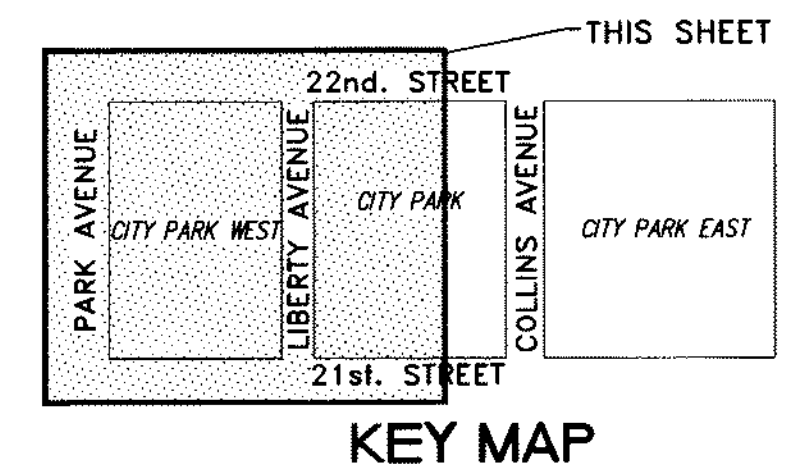
- ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- REFERENCE SHALL BE MADE TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS, SIZE AND DETAILS OF ALL UTILITY SERVICES TO THE BUILDINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THESE DRAWINGS OR NOT.
- BOUNDARY AND TOPOGRAPHIC DATA BASED UPON SURVEY PREPARED BY SCHWEBKE-SHISKIN & ASSOCIATES, INC., MIAMI, FLORIDA, DATED DECEMBER 7, 2004.

ADA COMPLIANCE NOTE:

THIS SET OF DOCUMENTS HAS BEEN DESIGNED TO COMPLY WITH CHAPTER 11: FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION OF THE FLORIDA BUILDING CODE - 2005. ALL RELATED SECTIONS OF THE CODE ARE NOTED WITHIN THESE DOCUMENTS AND STRICT COMPLIANCE IS REQUIRED BY ALL CONSTRUCTION TRADES. CONSTRUCTION QUALITY AND COMPLIANCE OF THE FINAL PRODUCT ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

SITE DESIGN, ACCESS AND PARKING HAVE BEEN DESIGNED, AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH, THE FOLLOWING SECTIONS, BUT NOT LIMITED TO:

- 11-4.1.2 ACCESSIBLE SITE AND EXTERIOR FACILITIES:
- 11-4.3 NEW CONSTRUCTION
- 11-4.6 ACCESSIBLE ROUTE
- 11-4.6 PARKING AND PASSENGER LOADING ZONES
- 11-4.7 CURB RAMPS
- 11-4.8 RAMPS



CONSULTING ENGINEERING & SCIENCE, INC.
 8925 S.W. 148th STREET SUITE 100
 MIAMI, FLORIDA 33176 (305) 378-5555
 EB-0003255

FOR THE FIRM:
 RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

5/14/08

DRAWN BY: S.D.
 CHKD BY: N.H.O. / B.F.P.
 APP'D BY: R.B.B.
 ISSUE DATE:
NOV 08, 2007
 REVISIONS:
 No. DATE
 1 MAY 2, 2008

MCHARRYASSOCIATES
 ARCHITECTURAL ENGINEERING PLANNING
 THOMAS M. MCHARRY, AIA JAMES W. PERRO, AIA
 2780 SW DOUGLAS RD., SUITE 310 MIAMI, FLORIDA 33133 (305) 445-376
 WWW.MCHARRY.COM

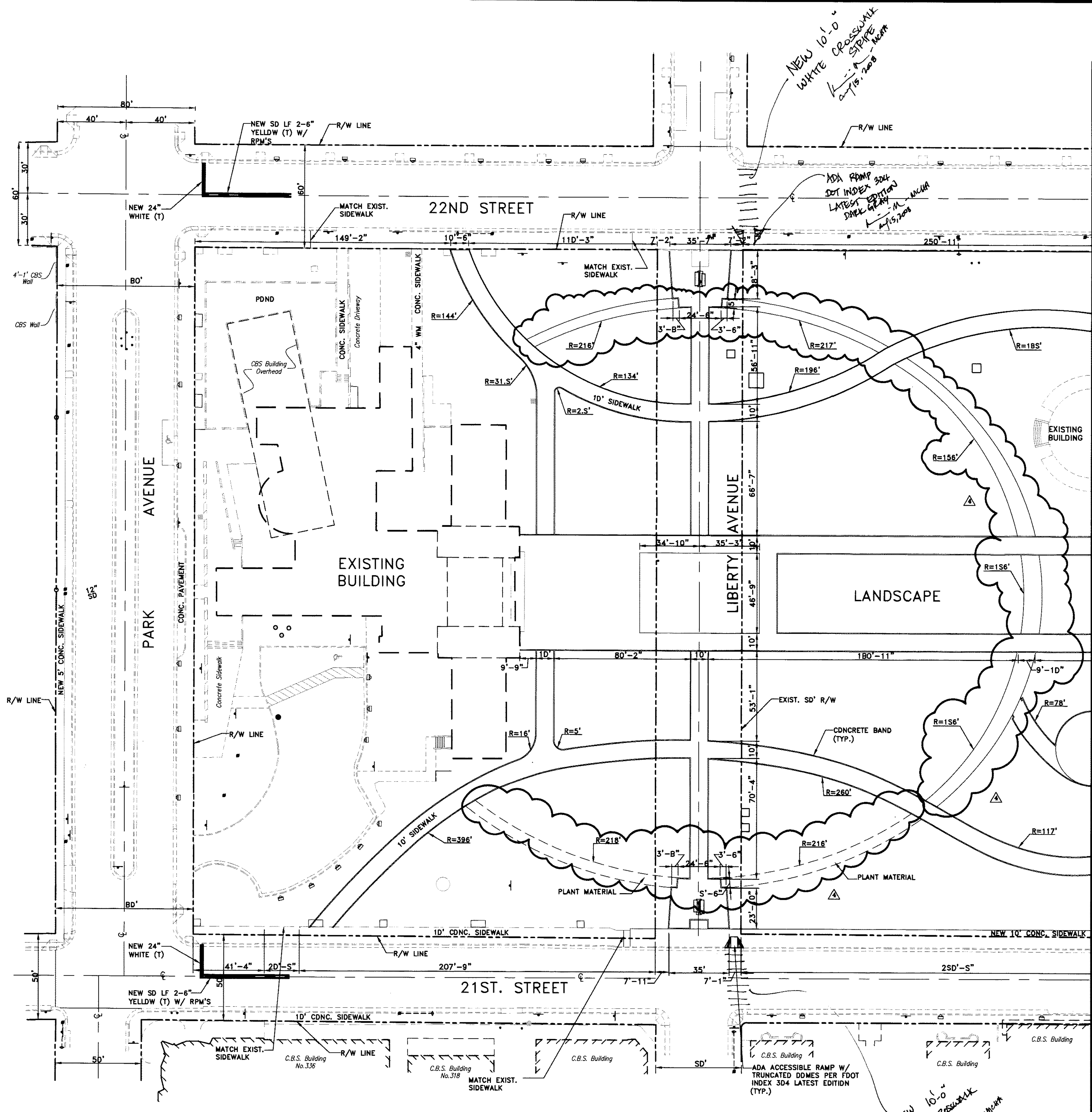


PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
 OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
LAYOUT PLAN AND NOTES
 SHEET No.:
C-3

NOV 02, 2008 PERMIT SET

LAYOUT PLAN
 SCALE: 1" = 30'



LAYOUT PLAN
SCALE: 1" = 30'

MATCH LINE - SEE SHEET C-4

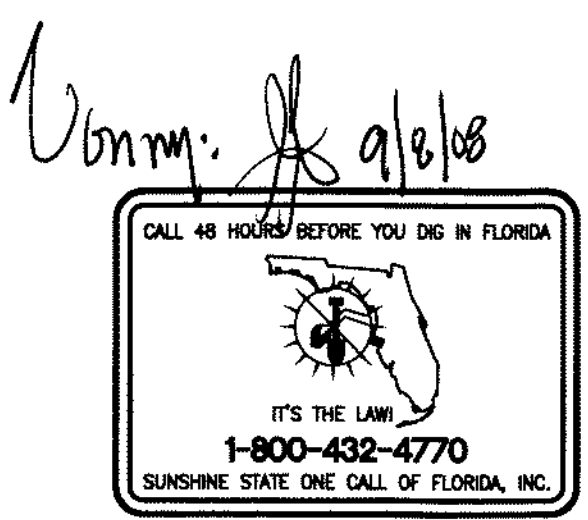
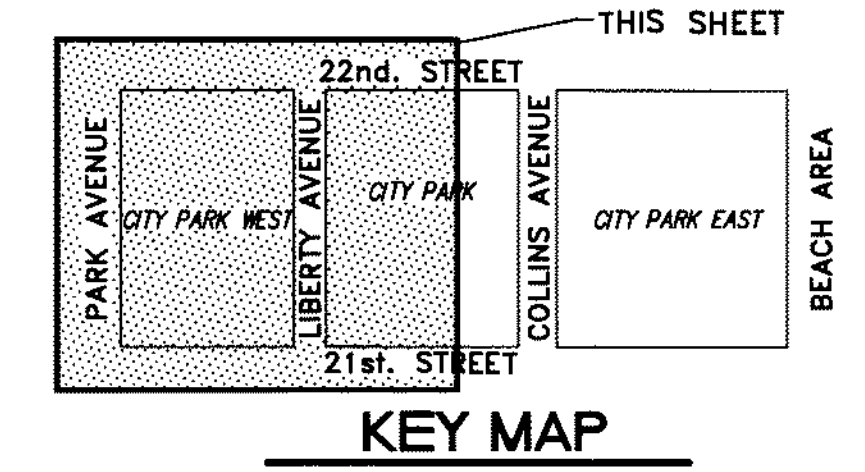
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- IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
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- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- REFERENCE SHALL BE MADE TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS, SIZE AND DETAILS OF ALL UTILITY SERVICES TO THE BUILDINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THESE DRAWINGS OR NOT.
- BOUNDARY AND TOPOGRAPHIC DATA BASED UPON SURVEY PREPARED BY SCHWEBKE-SHISKIN & ASSOCIATES, INC., MIAMI, FLORIDA, DATED DECEMBER 7, 2DD4.

ADA COMPLIANCE NOTE:

THIS SET OF DOCUMENTS HAS BEEN DESIGNED TO COMPLY WITH CHAPTER 11: FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION OF THE FLORIDA BUILDING CODE - 2005. ALL RELATED SECTIONS OF THE CODE ARE NOTED WITHIN THESE DOCUMENTS AND STRICT COMPLIANCE IS REQUIRED BY ALL CONSTRUCTION TRADES. CONSTRUCTION QUALITY AND COMPLIANCE OF THE FINAL PRODUCT ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

SITE DESIGN, ACCESS AND PARKING HAVE BEEN DESIGNED, AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH, THE FOLLOWING SECTIONS, BUT NOT LIMITED TO:
11-4.1.2 ACCESSIBLE SITE AND EXTERIOR FACILITIES:
11-4.3 ACCESSIBLE ROUTE
11-4.6 PARKING AND PASSENGER LOADING ZONES
11-4.7 CURB RAMPS
11-4.8 RAMPS



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 578-5555
EB-0003255

FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

DRAWN BY: S.D.
CHKD BY: N.H.D. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: NO. DATE
AUGUST 15, 2008
MAY 2, 2008

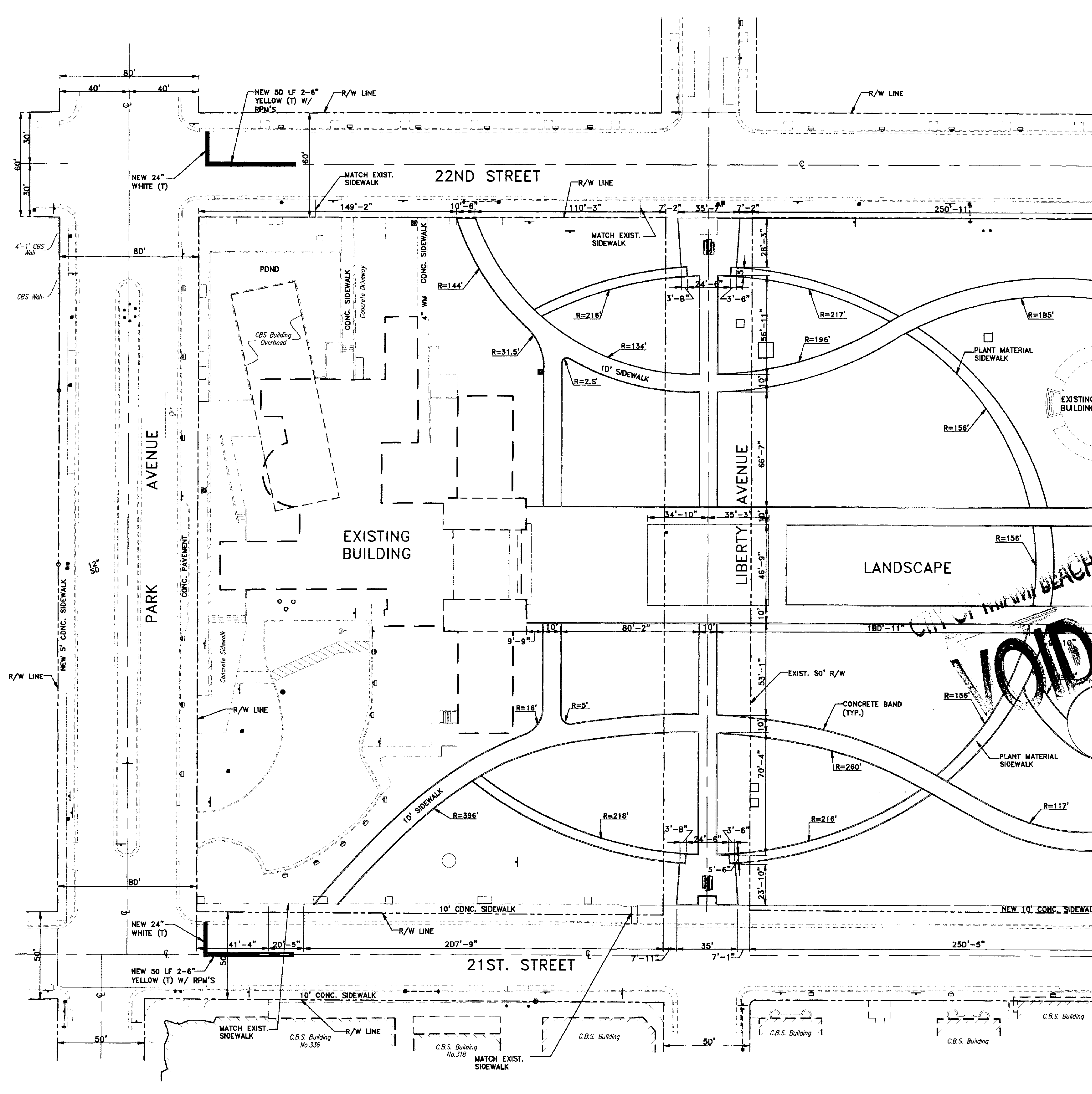
MCHARRY ASSOCIATES
ARCHITECTURE ENGINEERING PLANNING
2780 SW DOUGLASS RD., SUITE 302
MIAMI, FLORIDA 33135 (305) 445-3765
WWW.MCHARRY.COM

PROJECT TITLE: PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLOR
OWNER: CITY OF MIAM

DRAWING TITLE: LAYOUT PLAN AND NOTES
SHEET No. C-3

MAY 02, 2008 PERMIT SET

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK



LAYOUT PLAN
SCALE : 1" = 30'

MATCH LINE - SEE SHEET C-4

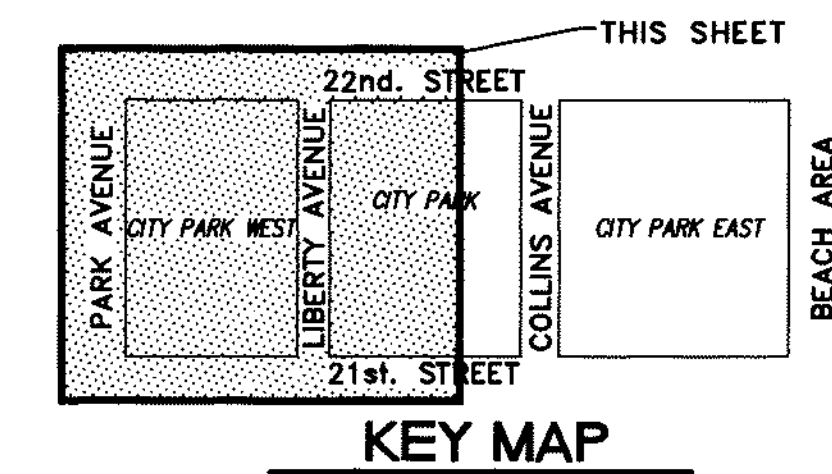
GENERAL NOTES

- ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- REFERENCE SHALL BE MADE TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS, SIZE AND DETAILS OF ALL UTILITY SERVICES TO THE BUILDINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THESE DRAWINGS OR NOT.
- BOUNDARY AND TOPOGRAPHIC DATA BASED UPON SURVEY PREPARED BY SCHWEBKE-SHISKIN & ASSOCIATES, INC., MIAMI, FLORIDA, DATED DECEMBER 7, 2004.

ADA COMPLIANCE NOTE:

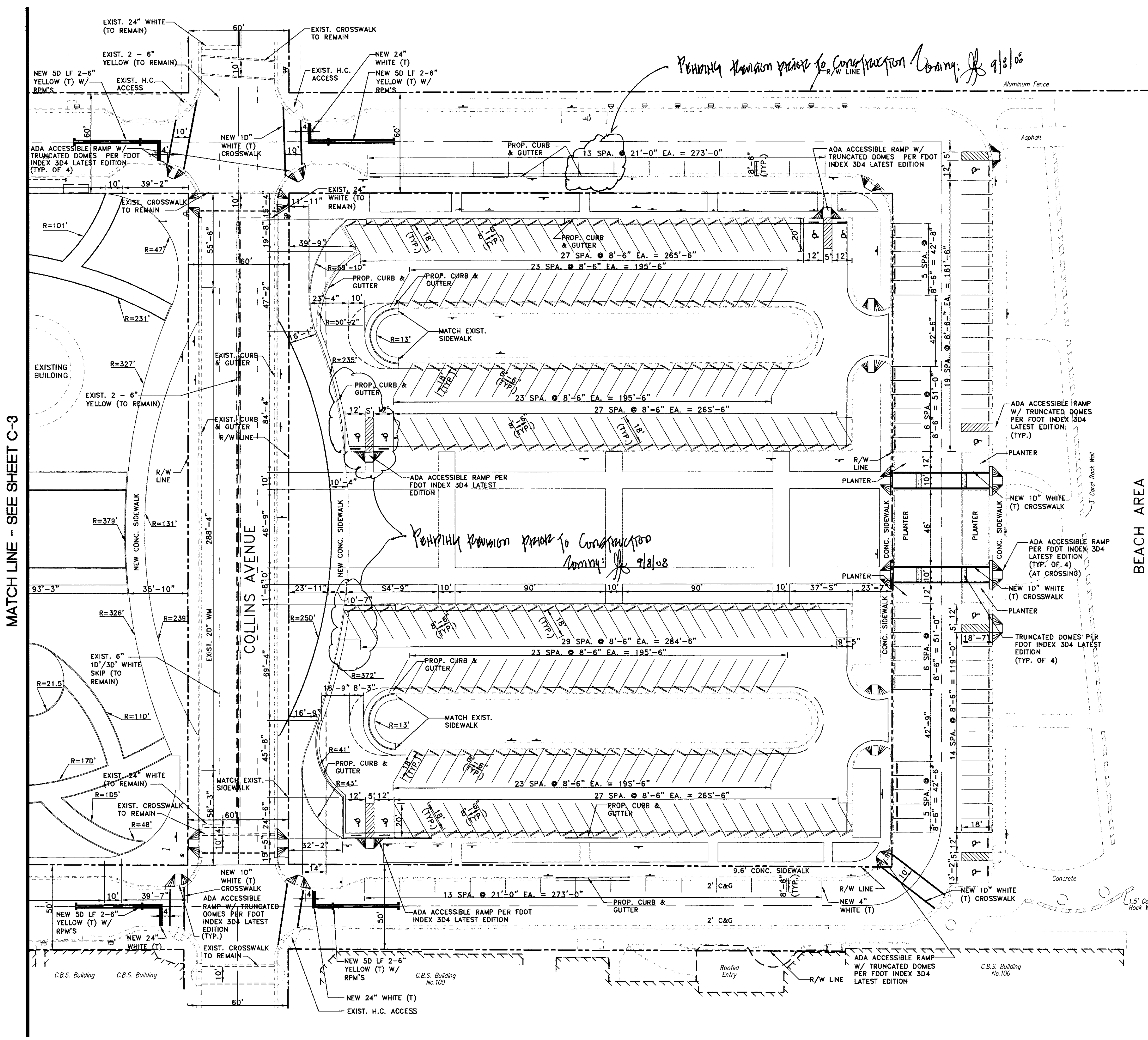
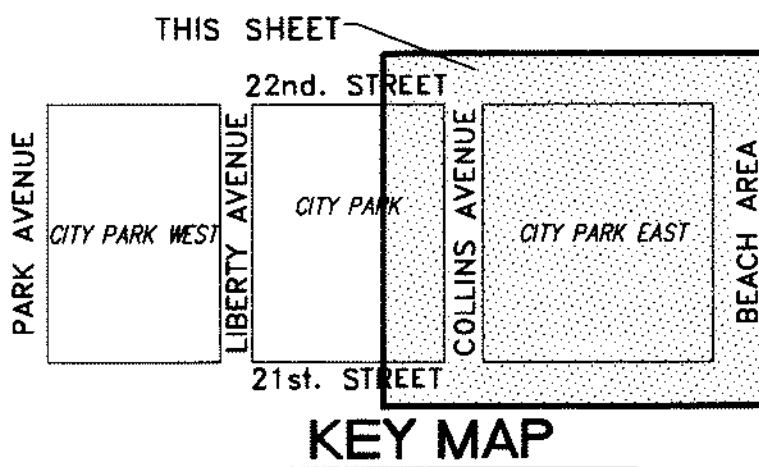
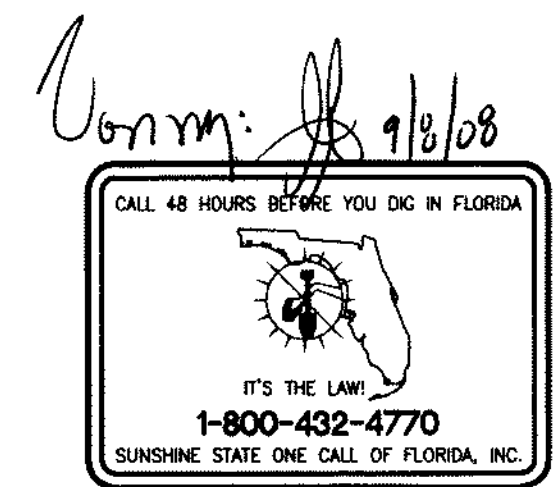
THIS SET OF DOCUMENTS HAS BEEN DESIGNED TO COMPLY WITH CHAPTER 11: FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION OF THE FLORIDA BUILDING CODE - 2005. ALL RELATED SECTIONS OF THE CODE ARE NOTED WITHIN THESE DOCUMENTS AND STRICT COMPLIANCE IS REQUIRED BY ALL CONSTRUCTION TRADES. CONSTRUCTION QUALITY AND COMPLIANCE OF THE FINAL PRODUCT ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

SITE DESIGN, ACCESS AND PARKING HAVE BEEN DESIGNED, AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH, THE FOLLOWING SECTIONS, BUT NOT LIMITED TO:
 11-4.1.2 ACCESSIBLE SITE AND EXTERIOR FACILITIES:
 NEW CONSTRUCTION
 11-4.3 ACCESSIBLE ROUTE
 11-4.6 PARKING AND PASSENGER LOADING ZONES
 11-4.7 CURB RAMPS
 11-4.8 RAMPS

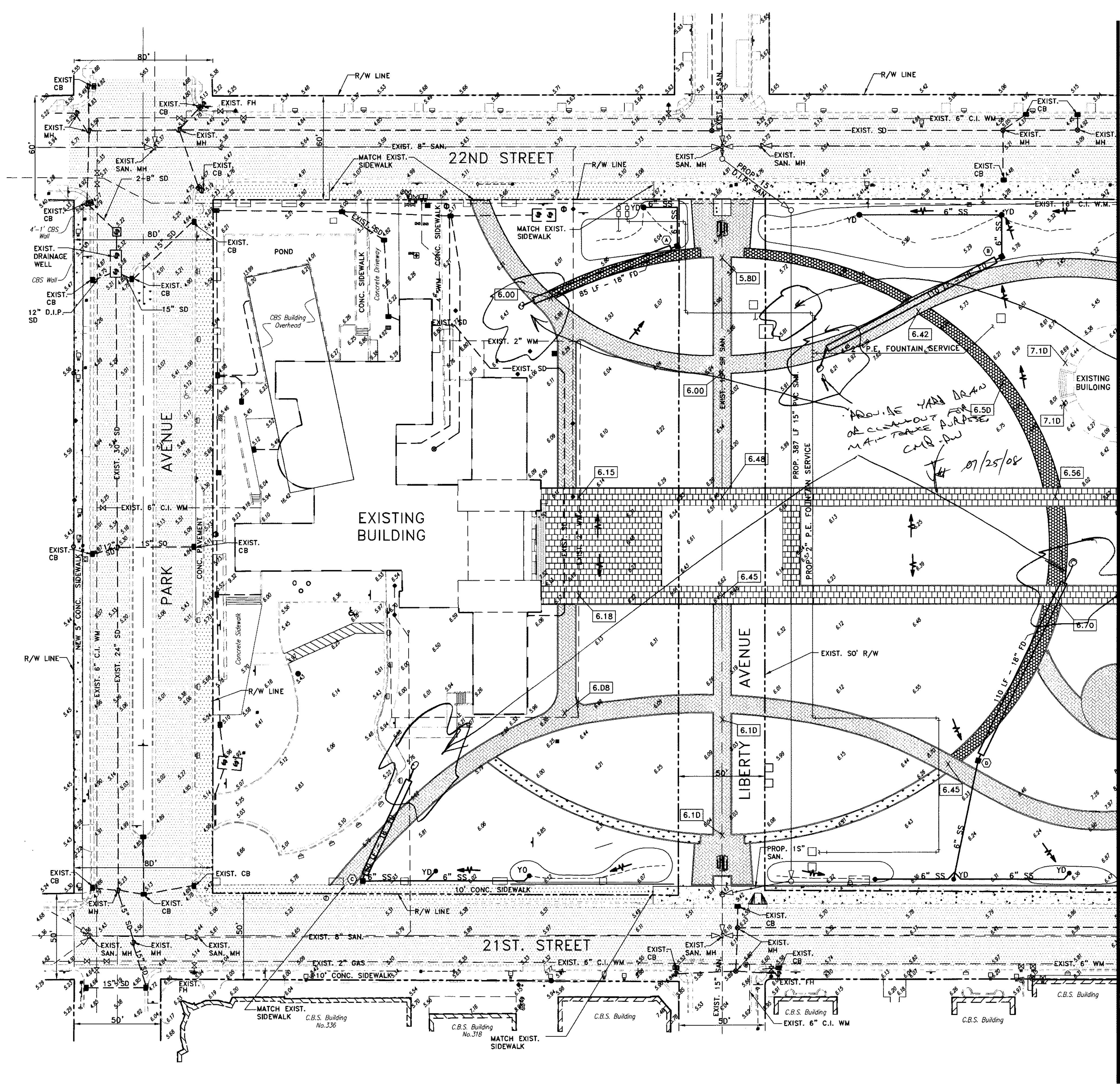


CONSULTING ENGINEERING & SCIENCE, INC.
 8925 S.W. 148th STREET SUITE 100
 MIAMI, FLORIDA 33178 (305) 378-5555
 EB-0003255
 FOR THE CITY OF MIAMI BEACH
 RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

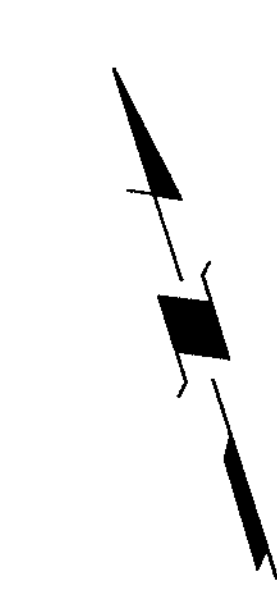
DRAWN BY: S.D.	
CHKD BY: N.H.O. / B.F.P.	
APP'D BY: R.B.B.	
ISSUE DATE: NOV 08, 2007	
REVISIONS: No. DATE	
 3780 SW DOUGLAS RD., SUITE 302 MIAMI, FLORIDA 33133 (305) 444-3780 WWW.MCHARRY.COM	
 PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA OWNER: CITY OF MIAMI BEACH	
DRAWING TITLE: LAYOUT PLAN AND NOTES SHEET No. C-3	



LAYOUT PLAN
SCALE: 1" = 30'



PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'



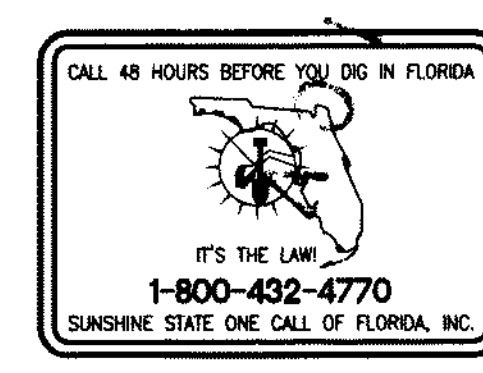
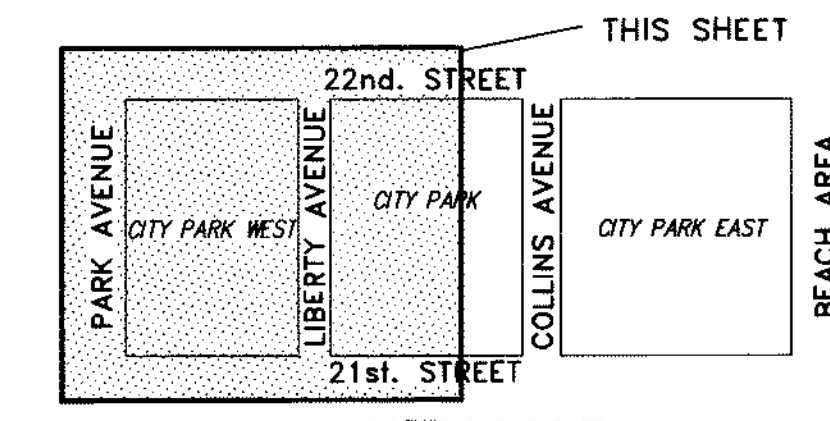
NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC
VERTICAL DATUM (N.G.V.D.). ADD 0.78' TO ELEVATIONS
SHOWN TO MEET MEAN LOW WATER BAY DATUM.

HORIZONTAL SEPARATION BETWEEN DRAINAGE AND WATER MAIN
SHALL BE 6" MINIMUM AND 12" VERTICALLY IF CROSSING
EACH OTHER.
CMB-PW
07/25/08

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- INDICATES LIMITS OF ASPHALTIC MILL & RESURFACE (1" DEPTH MIN.)
- EXISTING CONCRETE SIDEWALK/PAVEMENT
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- PLANT MATERIAL SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
- PERMEABLE CONCRETE SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- NEW MIAMI BEACH SPECIALTY CONCRETE SIDEWALK
- 7.60 EXISTING SPOT ELEVATION
- 7.60 NEW SPOT ELEVATION

NO CURBS AT
OVRL PATH - TYPICAL
11-13-2008



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33178 (305) 378-5555
E8-0003255
FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APPD BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE
MAY 2, 2008

MCHARRY ASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
2780 SW DOUGLAS RD., SUITE 300
MIAMI, FLORIDA 33133 (305) 445-3761
WWW.MCHARRY.COM

PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA**

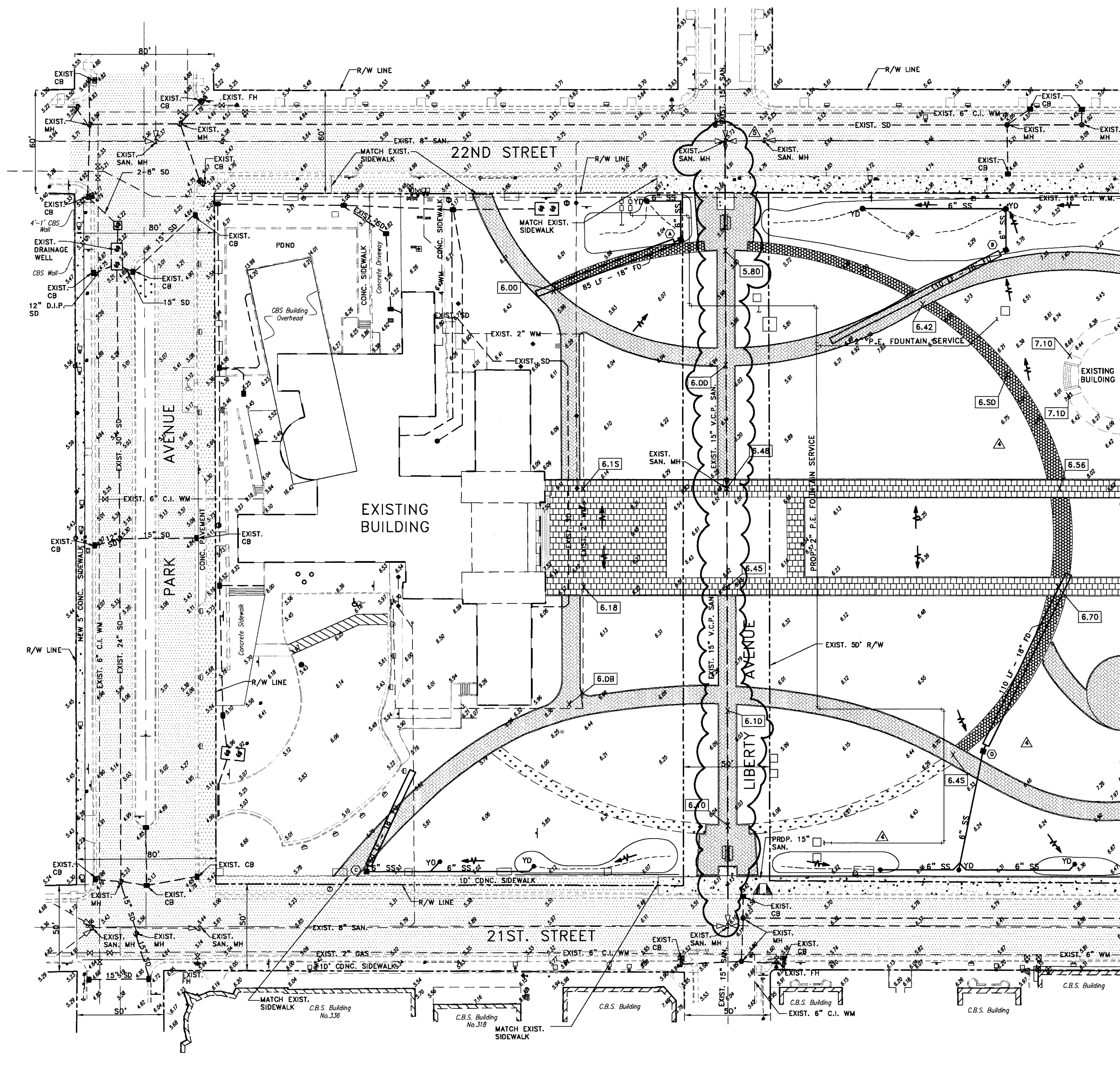
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
**PAVING-GRADING-DRAINAGE
PLAN**

SHEET NO.:
C-5

MAY 02, 2008 PERMIT SET

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK



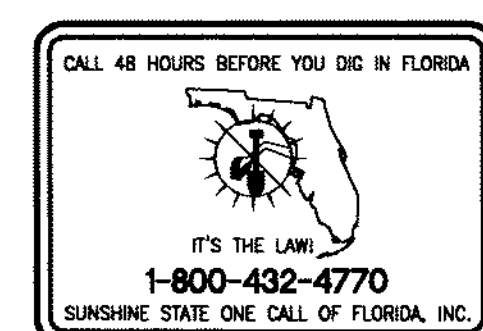
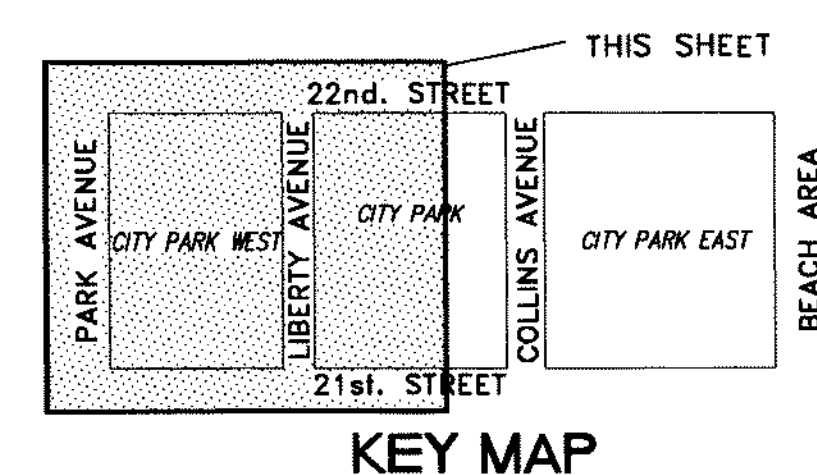
PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'

MATCH LINE - SEE SHEET C-6

NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC
VERTICAL DATUM (N.G.V.D.). ADD 0.78' TO ELEVATIONS
SHOWN TO MEET MEAN LOW WATER BAY DATUM.

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- INDICATES LIMITS OF ASPHALTIC MILL & RESURFACE (1" DEPTH MIN.)
- EXISTING CONCRETE SIDEWALK/PAVEMENT
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- PLANT MATERIAL (COORD. W/ LANDSCAPE & ARCHITECTURE DWG'S)
- PERMEABLE CONCRETE SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- NEW MIAMI BEACH SPECIALTY CONCRETE SIDEWALK
- 7.60 EXISTING SPOT ELEVATION
- 7.60 NEW SPOT ELEVATION



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 140th STREET SUITE 100
MIAMI, FLORIDA 33178 (305) 378-5555
EB-0003255

Richard B. Bochynovich 11/14/08
FOR THE FIRM: RICHARD B. BOCHYNOVICH PE-19833 (CIVIL)

MAY 02, 2008 PERMIT SET

DRAWING TITLE
PAVING-GRADING-DRAINAGE PLAN

PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA**

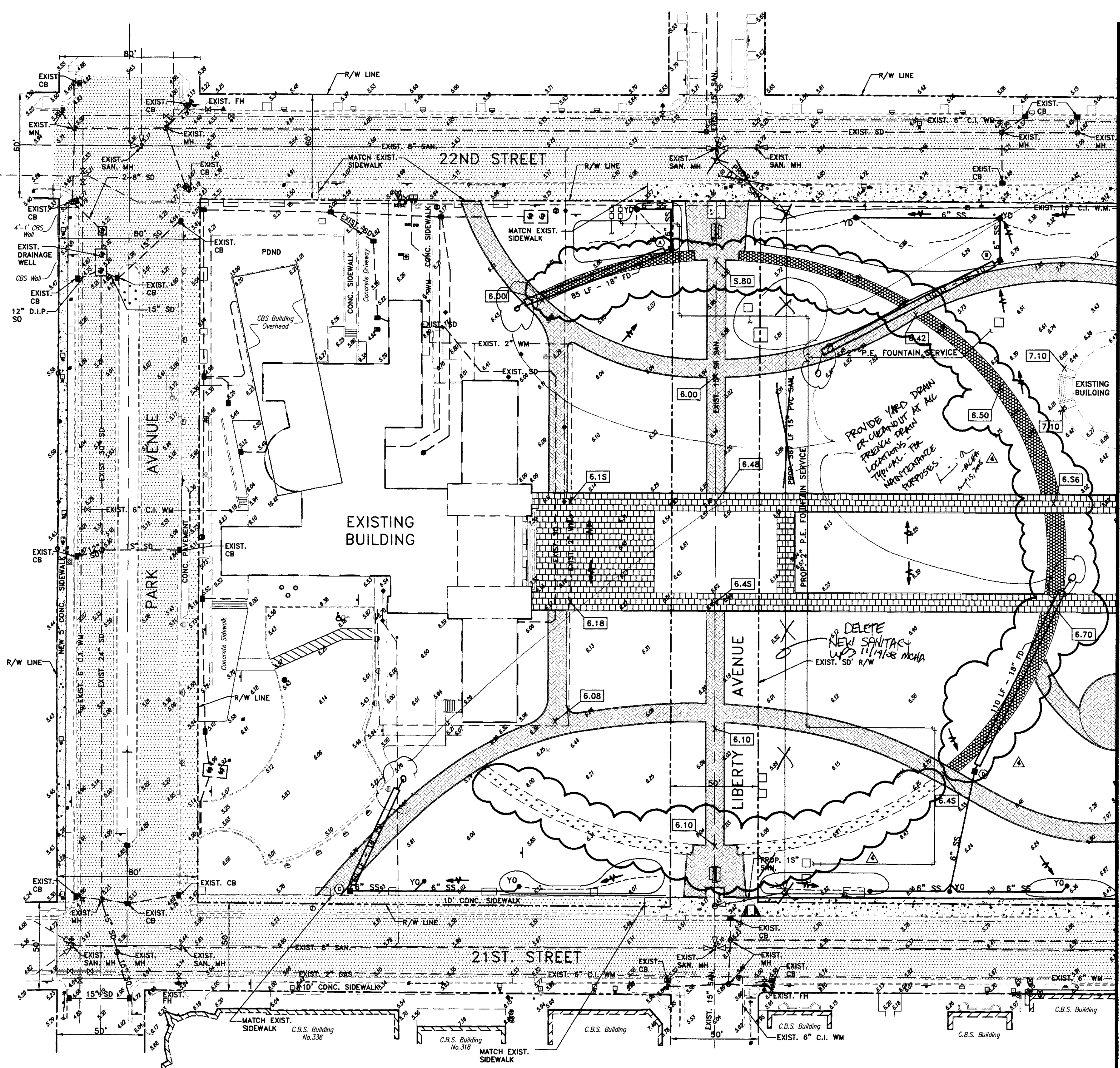


OWNER:
CITY OF MIAMI BEACH

MCHARRY ASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
THOMAS M. MCHARRY, AIA 3780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33135 (305) 445-3785
WWW.MCHARRY.COM

DRAWN BY:	S.D.
CHKD BY:	N.H.D. / B.F.P.
APP'D BY:	R.B.B.
ISSUE DATE:	NOV 08, 2007
REVISIONS:	
No. DATE	
1 NOVEMBER 19, 2008	
2 AUGUST 15, 2008	
3 MAY 2, 2008	

SHEET NO.
C-5



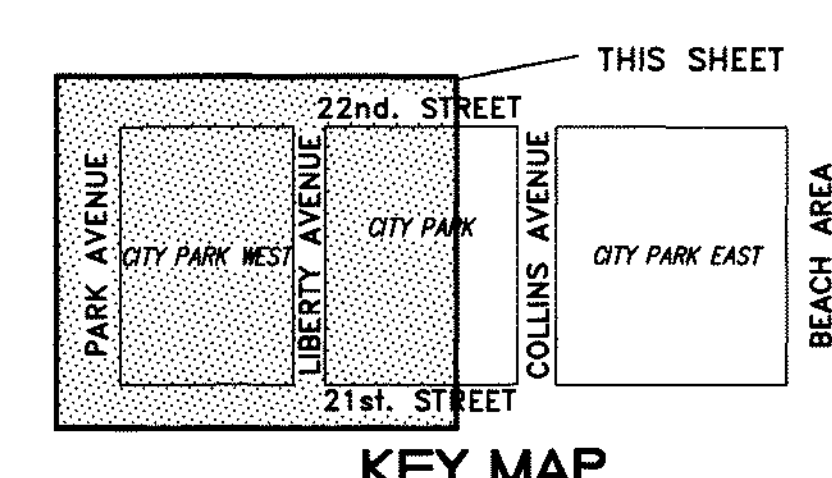
HORIZONTAL SEPARATION BETWEEN DRAINAGE AND WATER MAIN SHALL BE 6'-0" MINIMUM AND 12" VERTICALLY IF CROSSING EACH OTHER.
K.A. - 11/15/08

NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.). ADD 0.78' TO ELEVATIONS SHOWN TO MEET MEAN LOW WATER BAY DATUM.

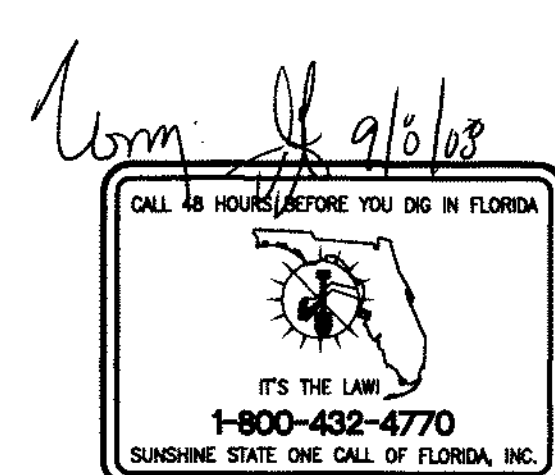
City of Miami Beach
Public Works Department
Approved: *[Signature]* Not Approved:
By: J.A.P. Date: 10/17/08
Comments: SANITARY SEWER LINE
- 12" DIA. FROM THIS PERMIT
CMB-M

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- INDICATES LIMITS OF ASPHALTIC MILL & RESURFACE (1" DEPTH MIN.)
- EXISTING CONCRETE SIDEWALK/PAVEMENT
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- PLANT MATERIAL (COORD. W/ LANDSCAPE & ARCHITECTURE DWG'S)
- PERMEABLE CONCRETE SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- NEW MIAMI BEACH SPECIALTY CONCRETE SIDEWALK
- 7.60 EXISTING SPOT ELEVATION
- 7.60 NEW SPOT ELEVATION



PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33178 (305) 378-5555
EP-0003255

DRAWN BY: S.D.
CHKD BY: N.H.D. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: AUGUST 15, 2008
MAY 2, 2008

MCHARRY ASSOCIATES
ARCHITECTURAL ENGINEERING PLANNING
THOMAS B. MCHARRY, AIA JAMES B. MCHARRY, AIA
2780 SW DOUGLAS RD. - SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3765
WWW.MCHARRY.COM

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

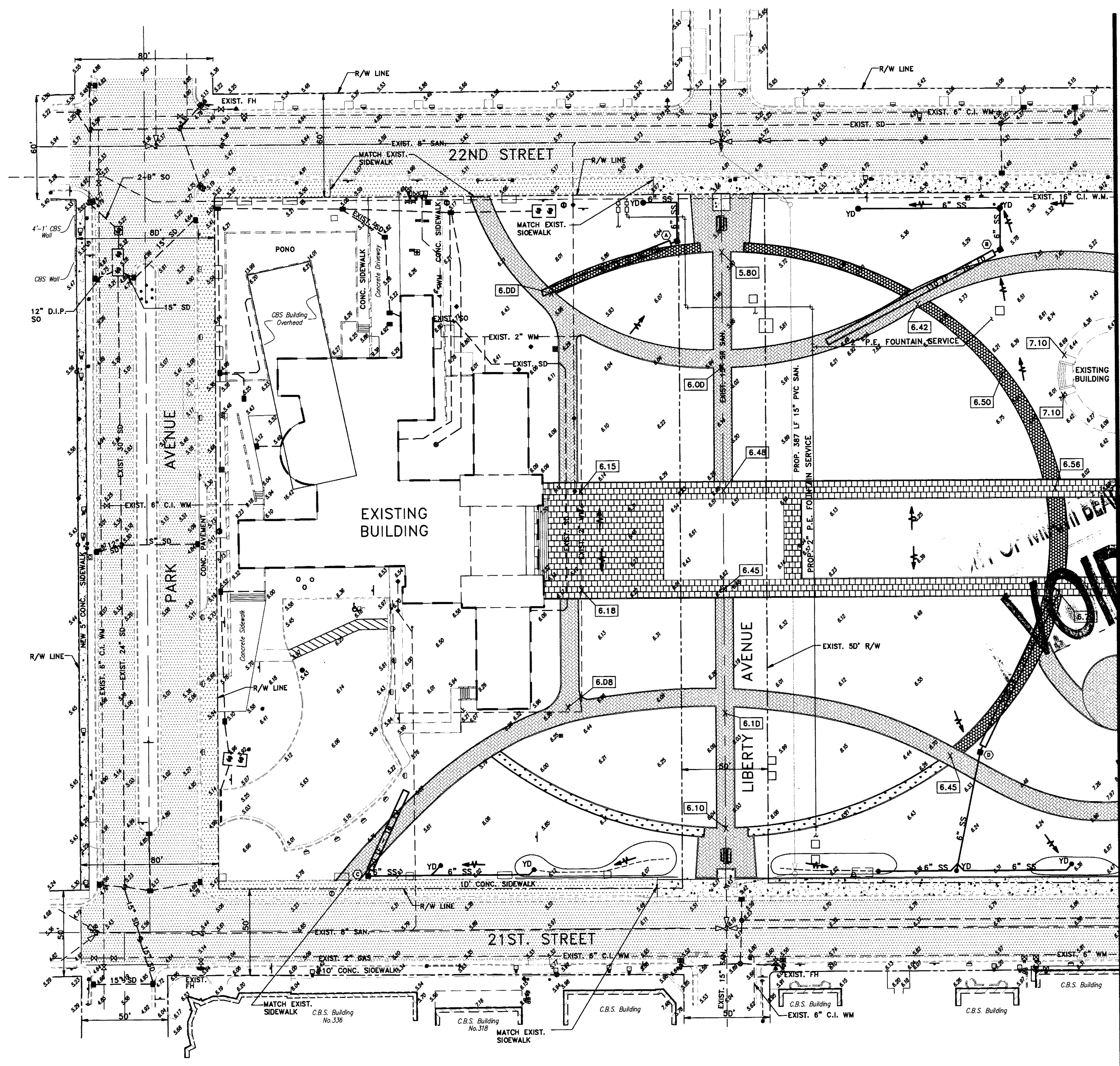
DRAWING TITLE:
PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'
NOTE: CONSULT ALL RELATED DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.:
C-5

MAY 02, 2008 PERMIT SET

FOR THE FIRM:
RICHARD B. BOCHNOVICH
PE-18833 (CIVIL)

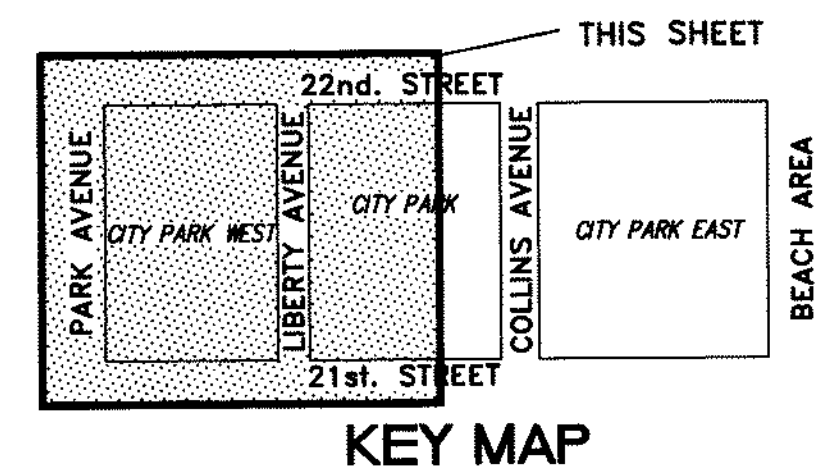
C.E.S. PROJECT NO.: 0433



PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'

NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETTIC
VERTICAL DATUM (N.G.V.D.), ADD 0.78' TO ELEVATIONS
SHOWN TO MEET MEAN LOW WATER BAY DATUM.

- LEGEND**
- EXISTING ASPHALTIC PAVEMENT
 - INDICATES LIMITS OF ASPHALTIC MILL & RESURFACE (1" DEPTH MIN.)
 - EXISTING CONCRETE SIDEWALK/PAVEMENT
 - NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
 - PLANT MATERIAL SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
 - PERMEABLE CONCRETE SIDEWALK (COORD. W/ ARCHITECTURAL DWG'S)
 - NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
 - NEW MIAMI BEACH SPECIALTY CONCRETE SIDEWALK
 - 1.50 EXISTING SPOT ELEVATION
 - 7.60 NEW SPOT ELEVATION

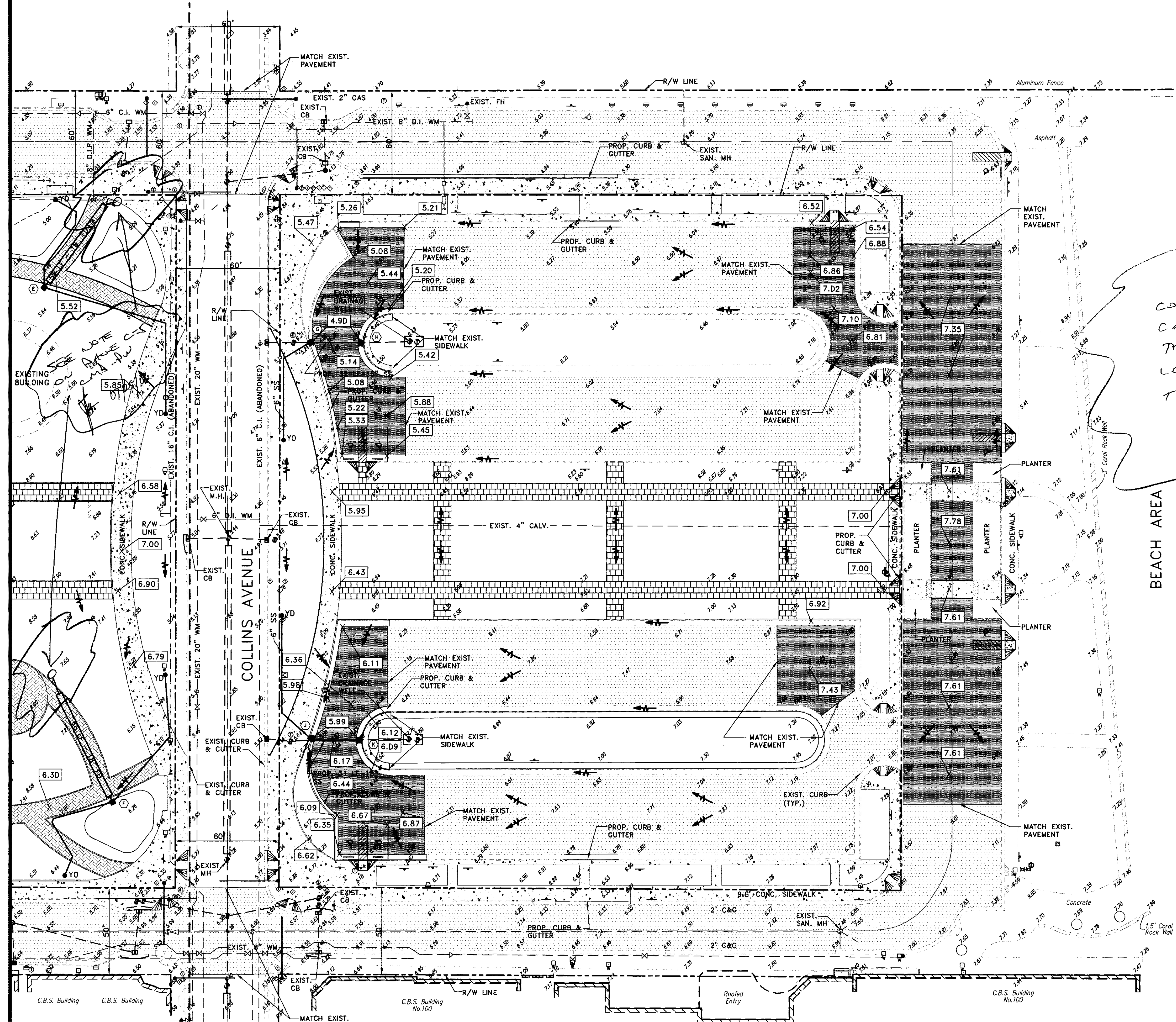


CONSULTING ENGINEERING & SCIENCE, INC.
8825 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
FAX 305-378-5555

[Signature] 1/8/08
FOR THE FIRM: RICHARD B. BOCHNIOVICH PE-19833 (CIVIL)

DRAWN BY: S.O.	
CHKD BY: N.H.O. / B.F.P.	
APP'D BY: R.B.B.	
ISSUE DATE: NOV 08, 2007	
REVISIONS: No. DATE	
MC HARRY ASSOCIATES ARCHITECTURAL ENGINEERING & PLANNING 2780 SW DOUGLAS RD. - SUITE 302 MIAMI, FLORIDA 33133 (305) 446-3185 WWW.MCHARRY.COM	
PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA	
OWNER: CITY OF MIAMI BEACH	
DRAWING TITLE: PAVING-GRADING-DRAINAGE PLAN	
SHEET NO.: C-5	
NOV 08, 2007 PERMIT SET	
SCALE: 1" = 30'	
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK	

MATCH LINE - SEE SHEET C-5



PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'

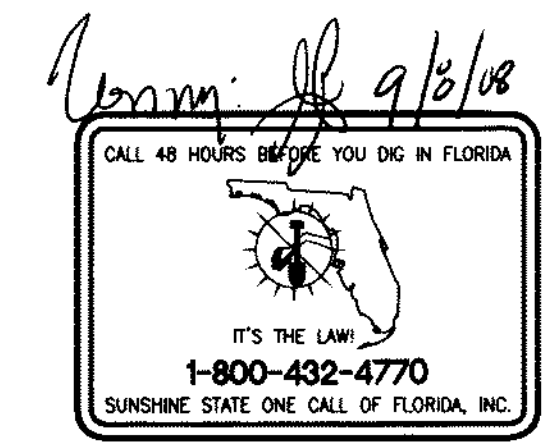
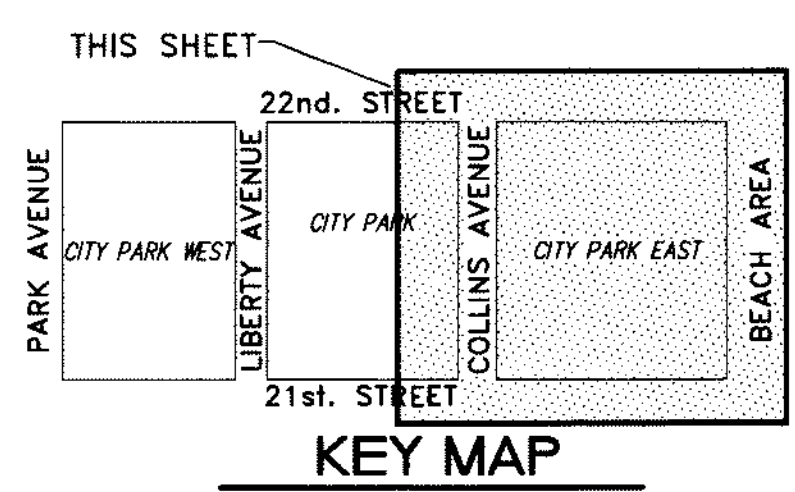
NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC
VERTICAL DATUM (N.C.V.D.). ADD 0.78' TO ELEVATIONS
SHOWN TO MEET MEAN LOW WATER BAY DATUM.

CONTRACTOR RESPONSIBLE TO ASSURE THAT ALL
CATCH BASINS AND POND BASINS LOCATED ON
THE GRASS AREA (WEST OF COLLINS AVE.) ARE
LOCATED ON THE LOWEST ELEVATION IN
THE VICINITY.

CMB-PW
07/23/08

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- NEW ASPHALTIC PAVEMENT
- INDICATES LIMITS OF ASPHALTIC
MILL & RESURFACE (1" DEPTH MIN.)
- EXISTING CONCRETE SIDEWALK/
PAVEMENT
- NEW SPECIALTY CONCRETE/PAVEMENT
(COORD. W/ ARCHITECTURAL OWG'S)
- NEW SPECIALTY CONCRETE/PAVEMENT
(COORD. W/ ARCHITECTURAL OWG'S)
- NEW MIAMI BEACH SPECIALTY
CONCRETE SIDEWALK
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EB-0003255

FOR THE PROJECT:
RICHARD E. BOCHNOVICH PE-19833 (CIVIL)

MAY 02, 2008 PERMIT SET

PAVING-GRADING-DRAINAGE PLAN

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER:
CITY OF MIAMI BEACH

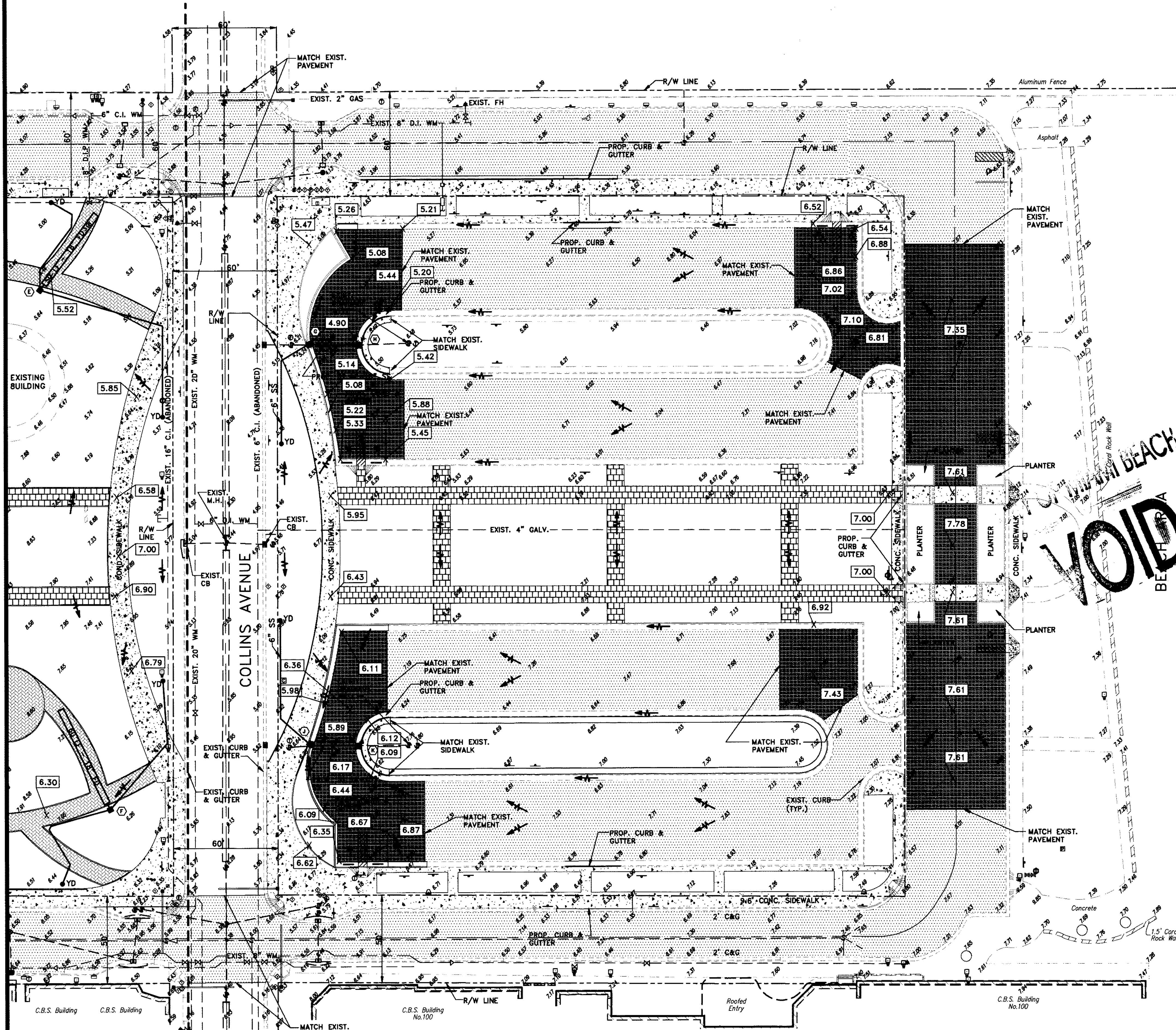
DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
1 MAY 2, 2008

MCHARRYASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
THOMAS H. MCHARRY, AIA JOHN W. PETERS, AIA
SERGIO VACCARONE, LEED-NC1 JENNIFER J. JONES

2780 SW DOUGLAS RD., SUITE 301
MIAMI, FLORIDA 33135 (305) 446-3161
WWW.MCHARRY.COM



MATCH LINE - SEE SHEET C-5

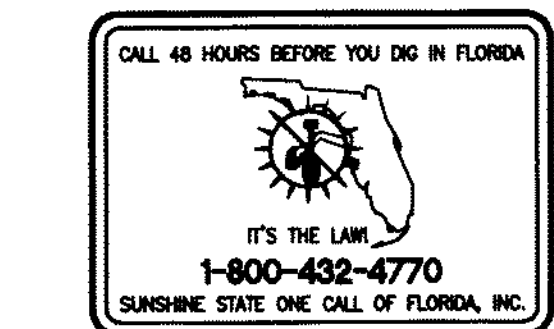
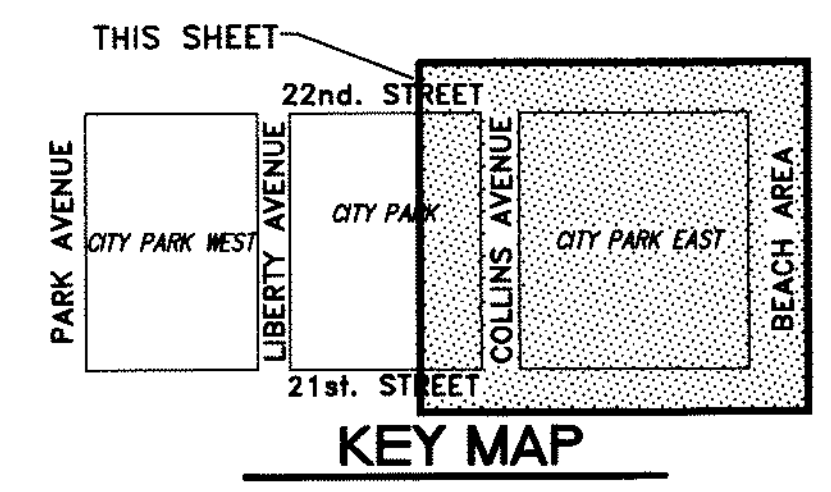


PAVING-GRADING-DRAINAGE PLAN
SCALE: 1" = 30'

NOTE:
ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC
VERTICAL DATUM (N.G.V.D.). ADD 0.78' TO ELEVATIONS
SHOWN TO MEET MEAN LOW WATER BAY DATUM.

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- NEW ASPHALTIC PAVEMENT
- INDICATES LIMITS OF ASPHALTIC MILL & RESURFACE (1" DEPTH MIN.)
- EXISTING CONCRETE SIDEWALK/PAVEMENT
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- NEW SPECIALTY CONCRETE/PAVEMENT (COORD. W/ ARCHITECTURAL DWG'S)
- NEW MIAMI BEACH SPECIALTY CONCRETE SIDEWALK
- 1.60 EXISTING SPOT ELEVATION
- 7.60 NEW SPOT ELEVATION



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET, SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
FOR THE FIRM: RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

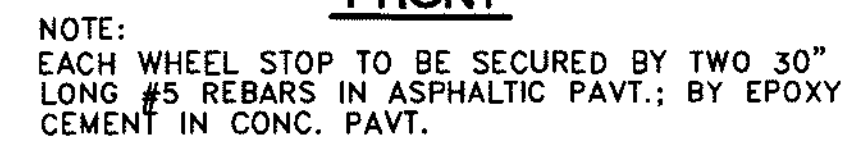
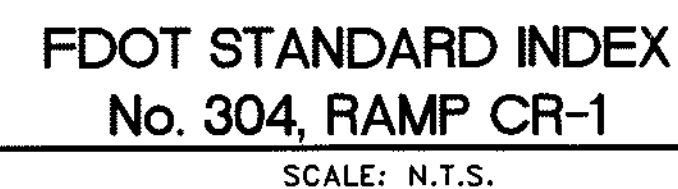
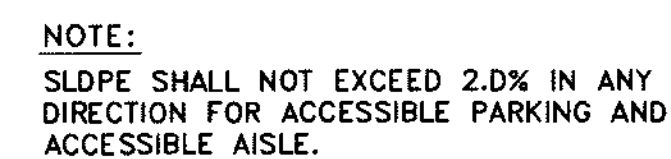
DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: No. OATE

MCHARRY ASSOCIATES
2780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3785
WWW.MCHARRY.COM

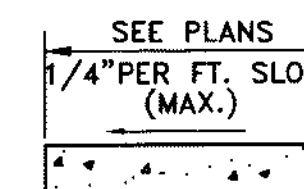
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
NOV 08, 2007 PERMIT SET
PAVING-GRADING-DRAINAGE
PLAN
SHEET No. C-6

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

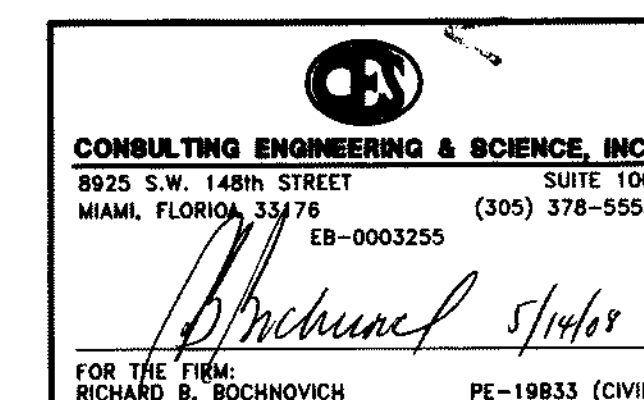


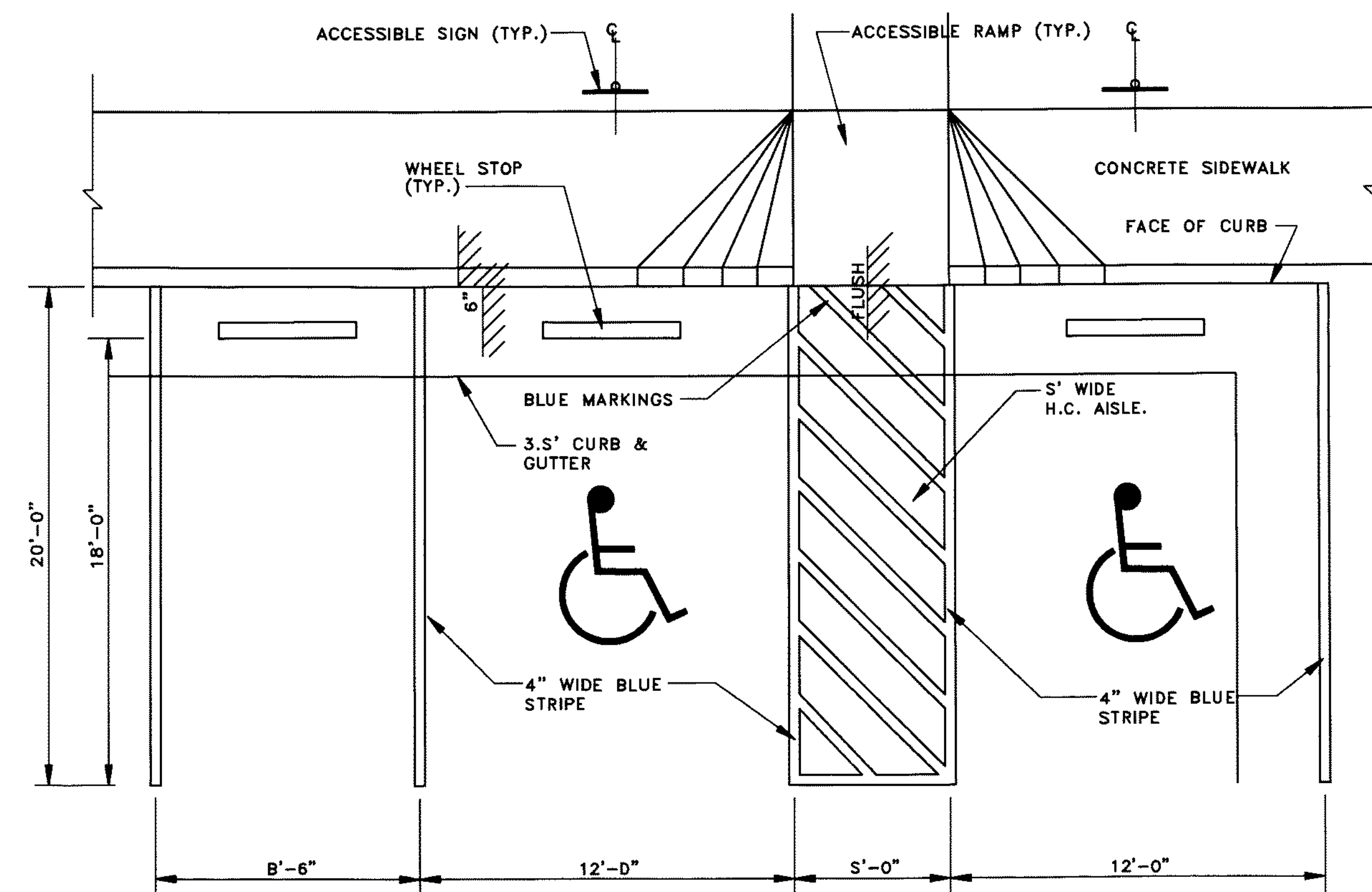
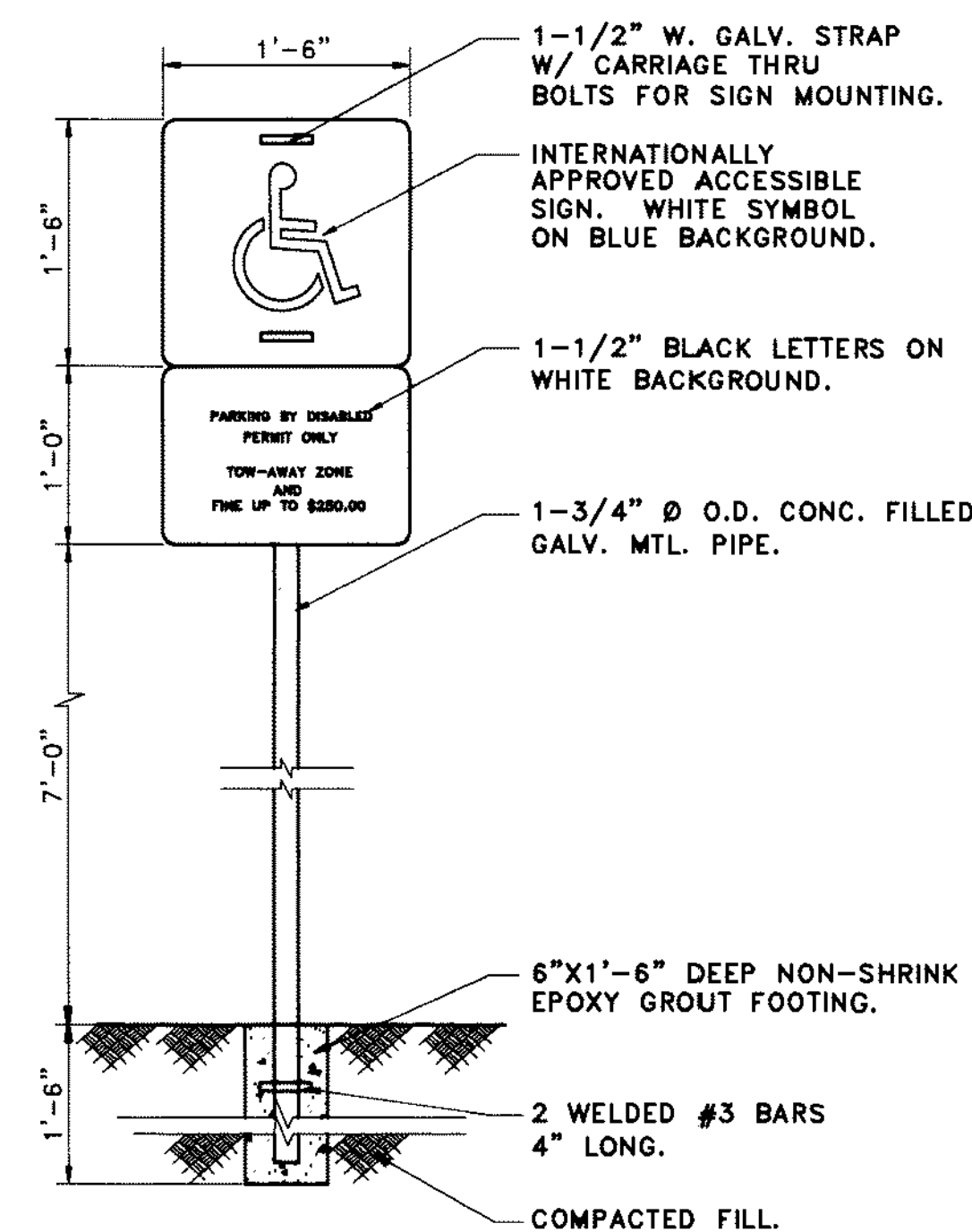
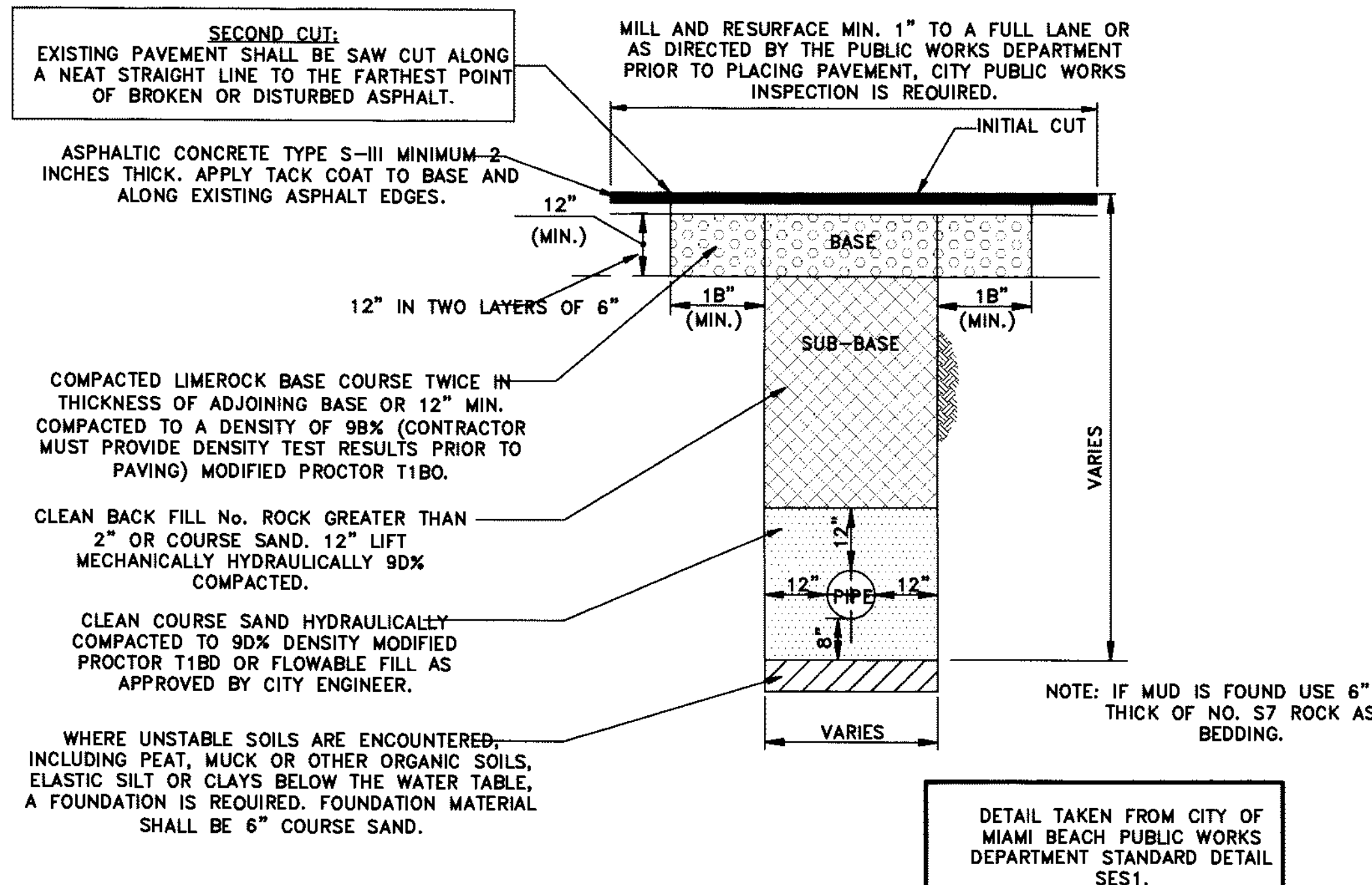
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS.
"B"	S'-D" CENTER TO CENTER ON SIDEWALKS
"C"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAY AND SIMILAR STRUCTURES ALSO, EVERY 50 FEET OF CONTINUOUS SIDEWALK



NOTE:
SIDEWALKS WITHIN CITY R/W SHALL BE CAST-IN-PLACE,
MIAMI BEACH RED INTEGRAL COLORED CONCRETE, AS PER
MIAMI BEACH PUBLIC WORKS APPROVED MIX DESIGNS.

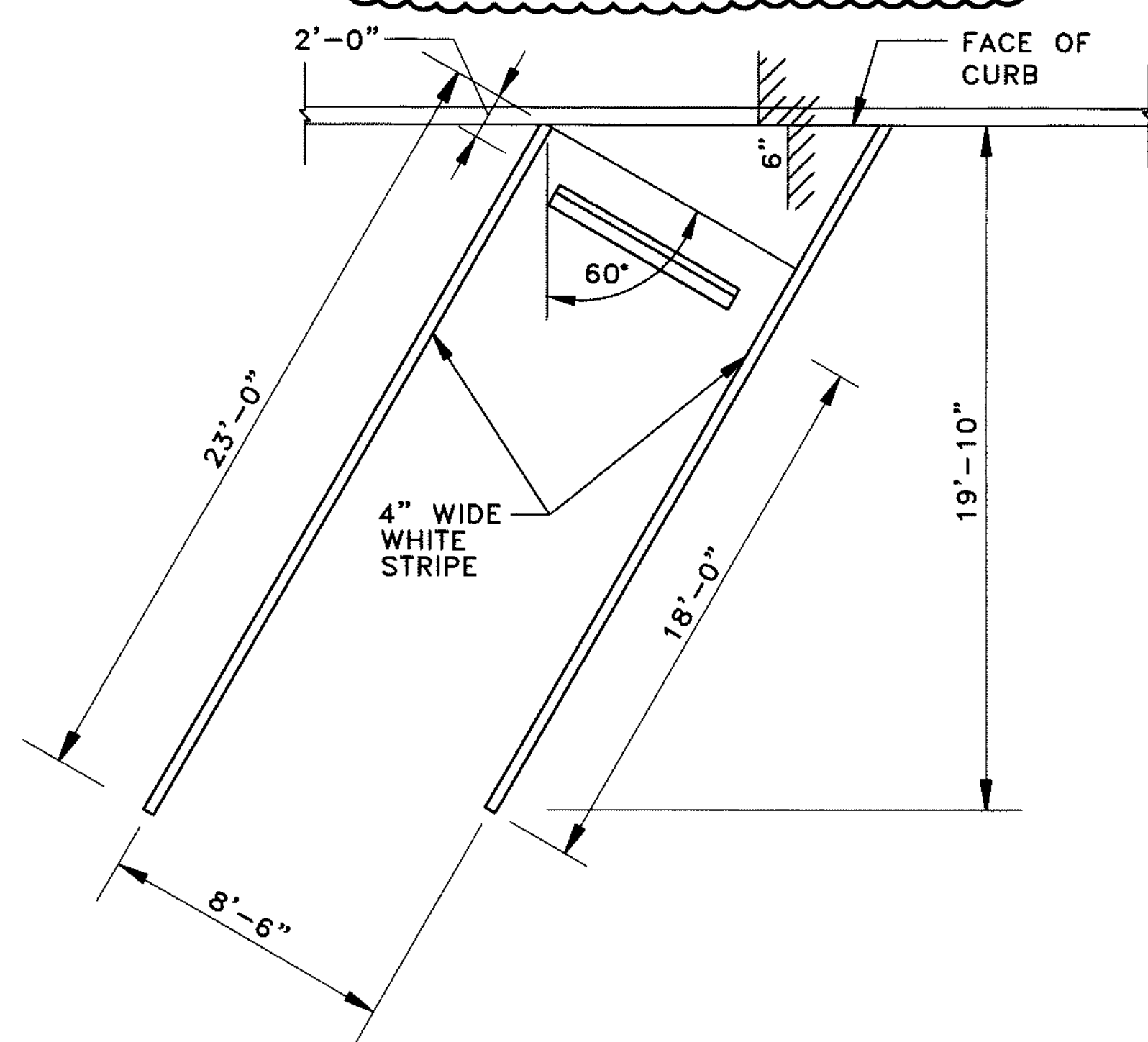
STANDARD SIDEWALK CONSTRUCTION
N.T.S.





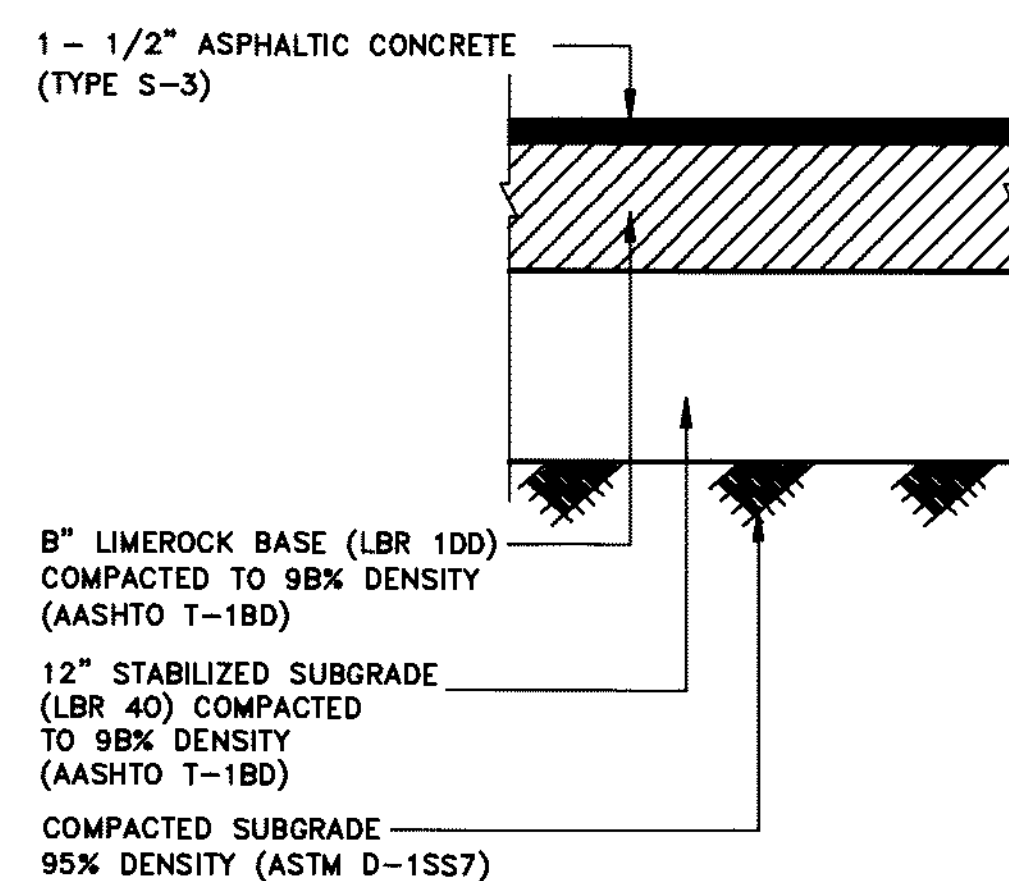
NOTE:
SLOPE SHALL NOT EXCEED 2.0% IN ANY
DIRECTION FOR ACCESSIBLE PARKING AND
ACCESSIBLE AISLE.

**UTILITY TRENCH RESTORATION
(WITH FLOWABLE FILL OPTION)**



TYPICAL PARKING LAYOUT

N.T.S.

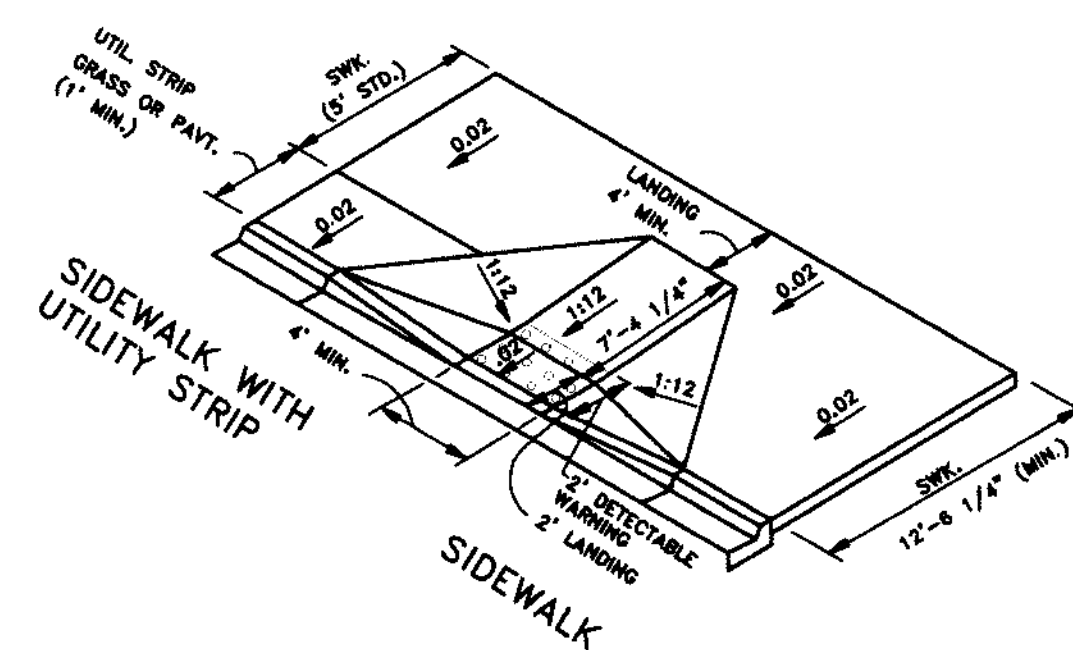


ASPHALTIC PAVEMENT DETAIL

N.T.S.

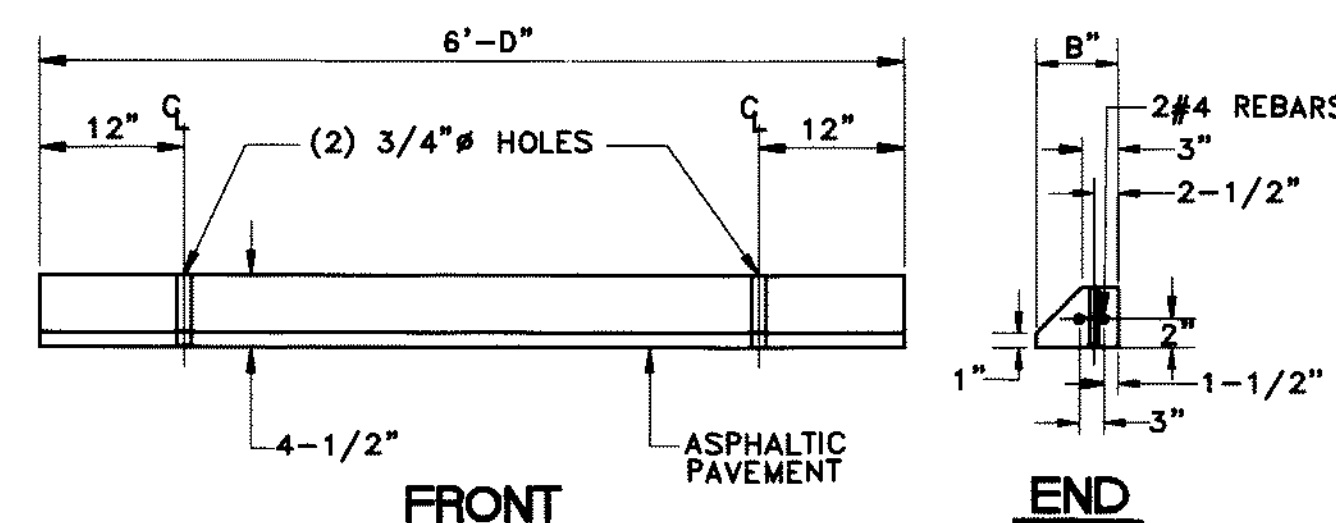
ACCESSIBLE SIGN

N.T.S.



FDOT STANDARD INDEX
No. 304, RAMP CR-1

SCALE: N.T.S.

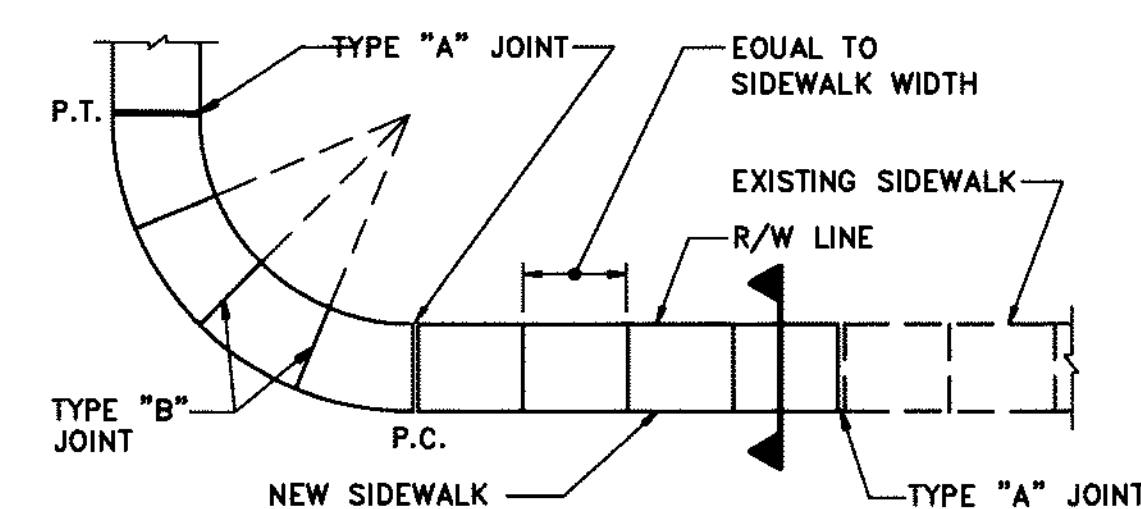


WHEEL STOP DETAIL

N.T.S

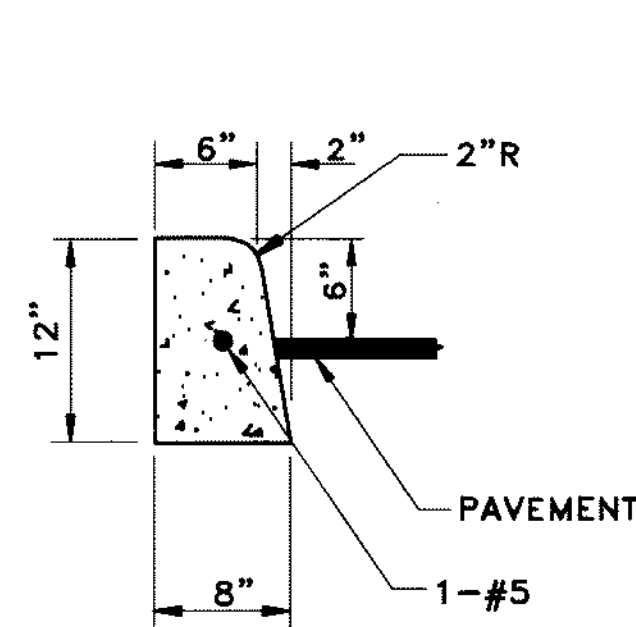
TABLE OF SIDEWALK THICKNESS "T"	
LOCATION	"T"
RESIDENTIAL AND INTERIOR AREAS	4
AT DRIVEWAYS AND OTHER AREAS	6

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS.
"B"	S'-D" CENTER TO CENTER ON SIDEWALKS
"C"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES ALSO, EVERY 50 FEET OF CONTINUOUS SIDEWALK



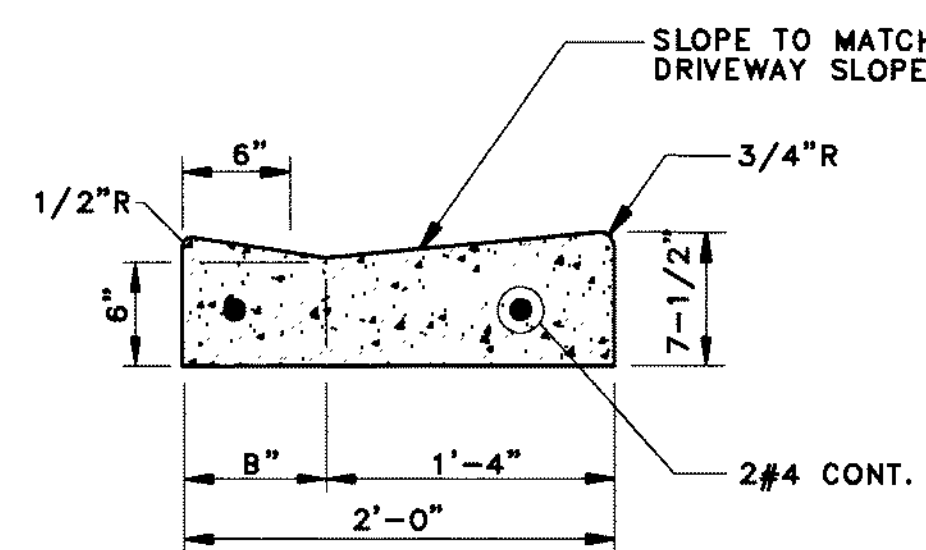
SIDEWALK PLAN

SECTION



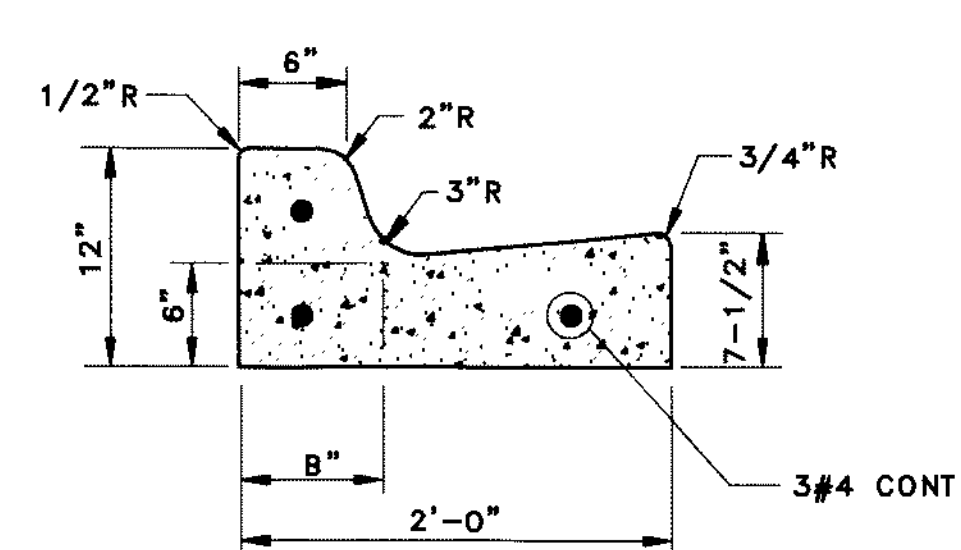
6" CURB

N.T.S.



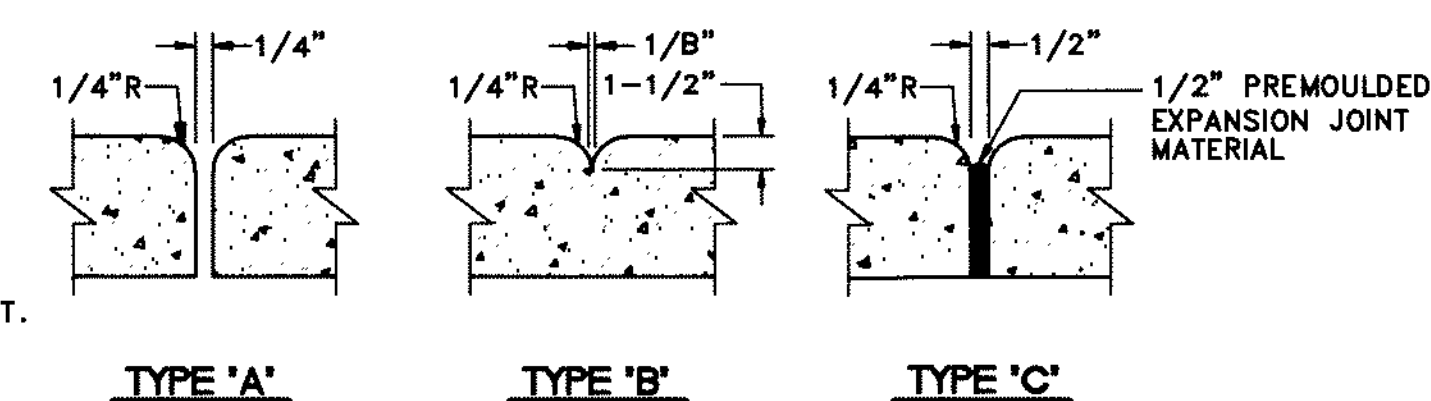
DRIVEWAY CURB
(IN CITY R/W)

N.T.S.



6" CURB AND GUTTER
(IN CITY R/W)

N.T.S.



SIDEWALK JOINTS

NOTE:
SIDEWALKS WITHIN CITY R/W SHALL BE CAST-IN-PLACE,
MIAMI BEACH RED INTEGRAL COLORED CONCRETE, AS PER
MIAMI BEACH PUBLIC WORKS APPROVED MIX DESIGNS.

STANDARD SIDEWALK CONSTRUCTION

NTS

Comm: 8/9/00



CONSULTING ENGINEERING & CO.
8925 S.W. 148th STREET
MIAMI, FLORIDA 33178 (305) 653-0000
FAX: (305) 653-0001
E-MAIL: cei@cei-engineering.com

[Signature]

FOR THE FIRM:
RICHARD C. BOCHNOVICH PE

MAY 02, 2008 PERMIT SET

SHEET No.

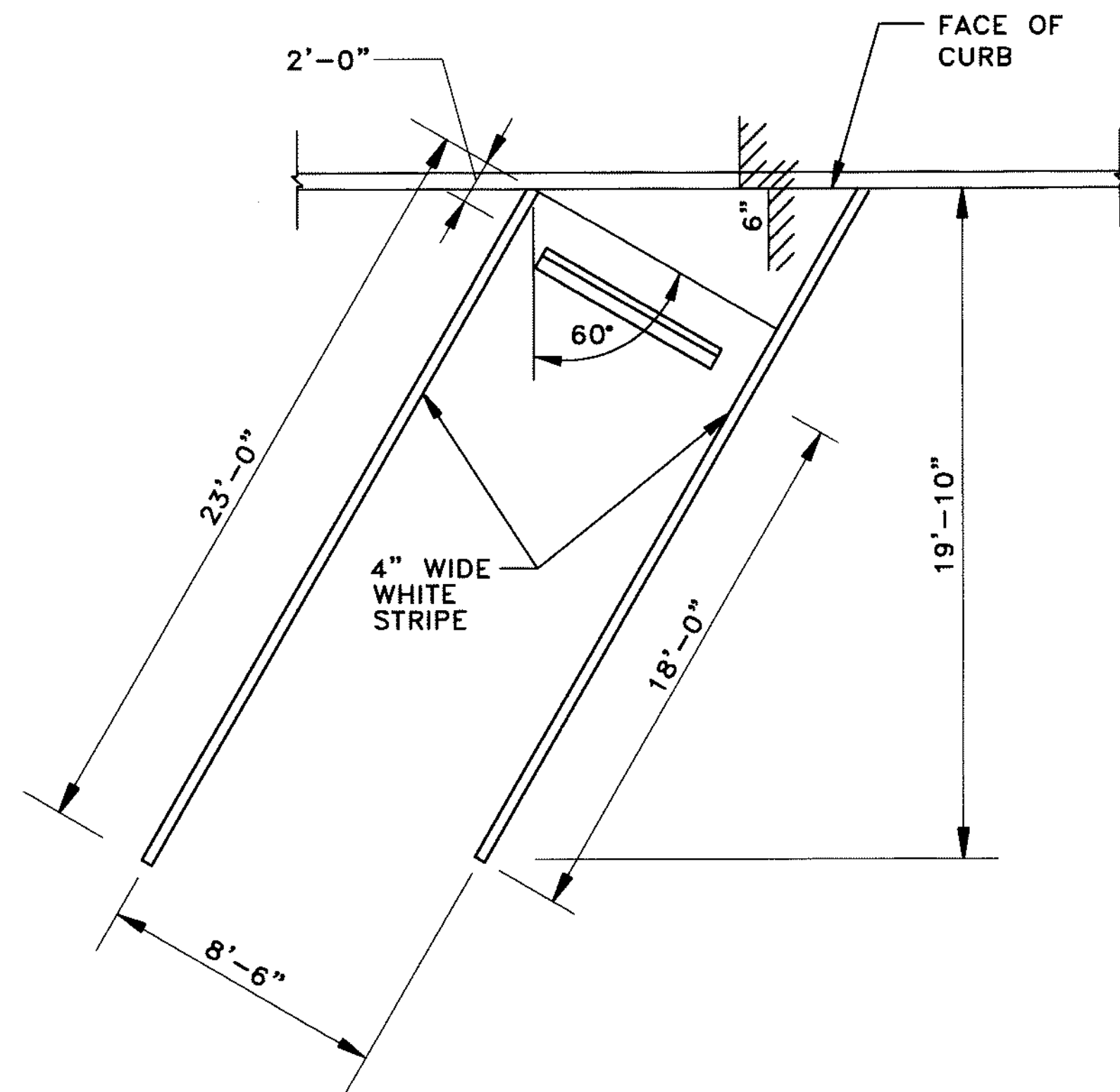
SITE DETAILS

ER:
CITY OF MIAMI BEACH

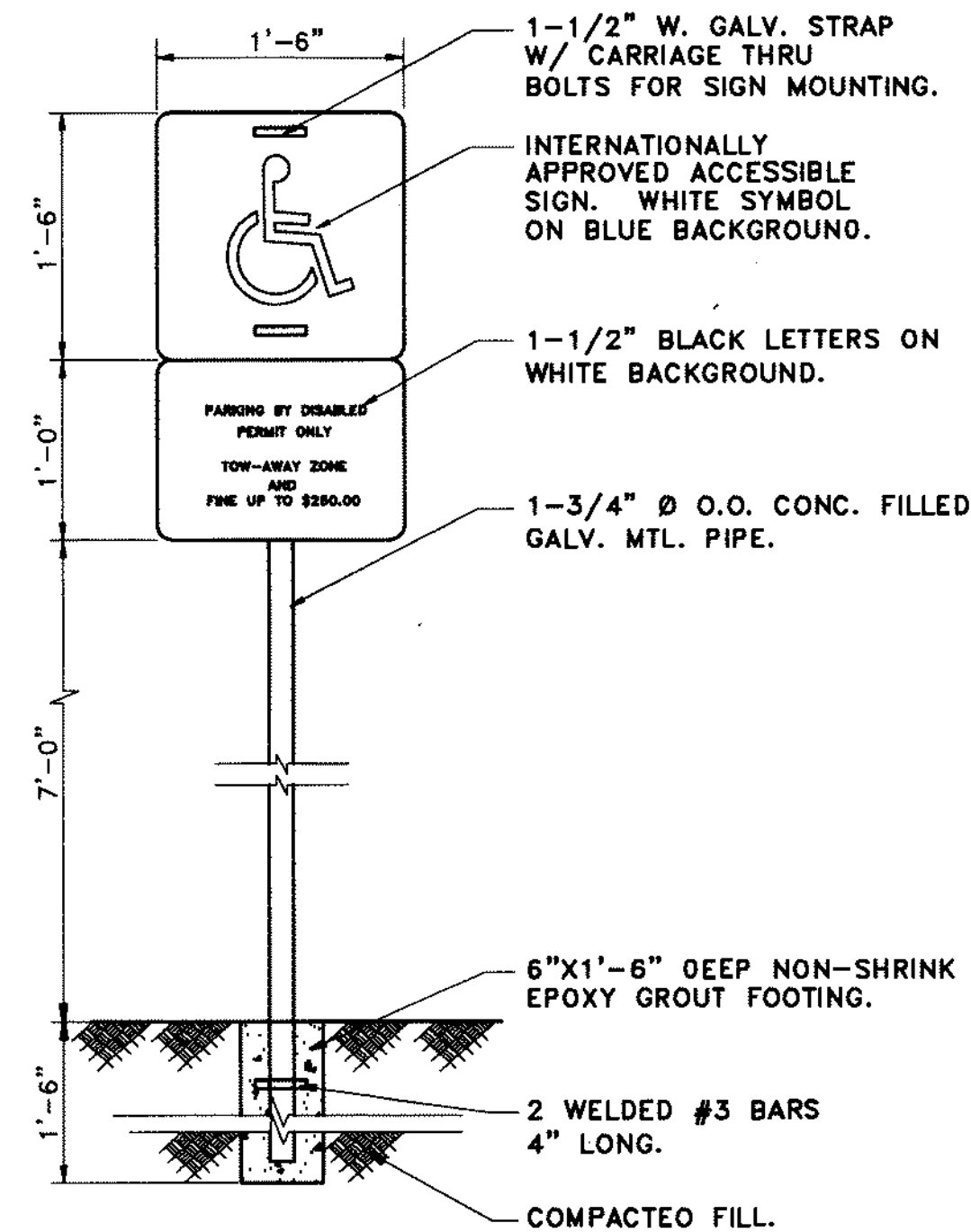
SCALE: N.T.S.

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS

C-7

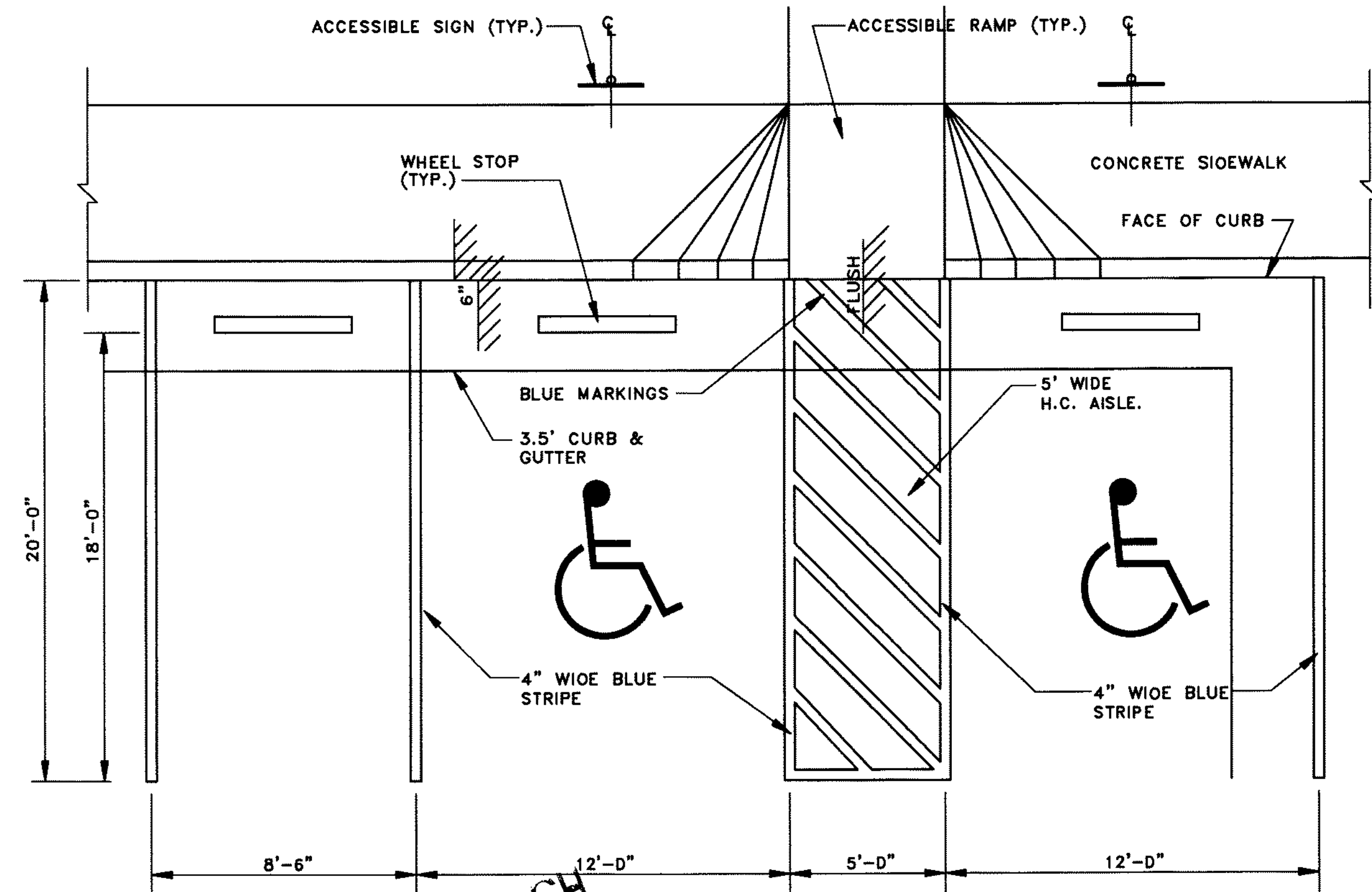


TYPICAL PARKING LAYOUT
N.T.S.



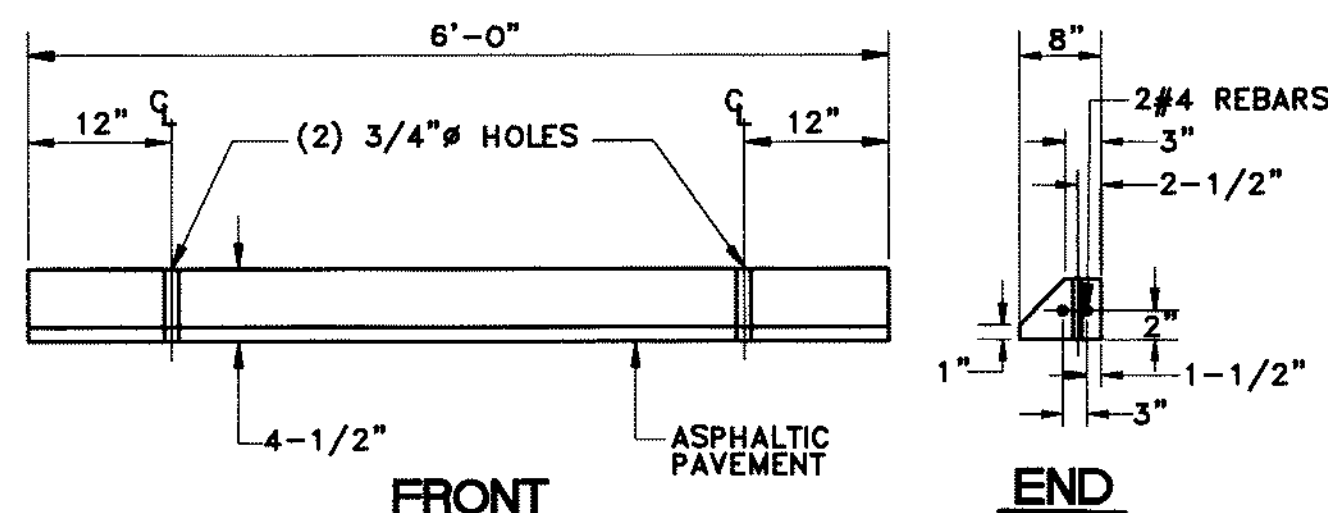
NOTE: SEE PLAN FOR SIGN LOCATIONS

ACCESSIBLE SIGN
N.T.S.



NOTE: SLOPE SHALL NOT EXCEED 2.0% IN ANY DIRECTION FOR ACCESSIBLE PARKING SPACE AND ACCESSIBLE AISLE.

TYPICAL ACCESSIBLE PARKING DETAIL
N.T.S.

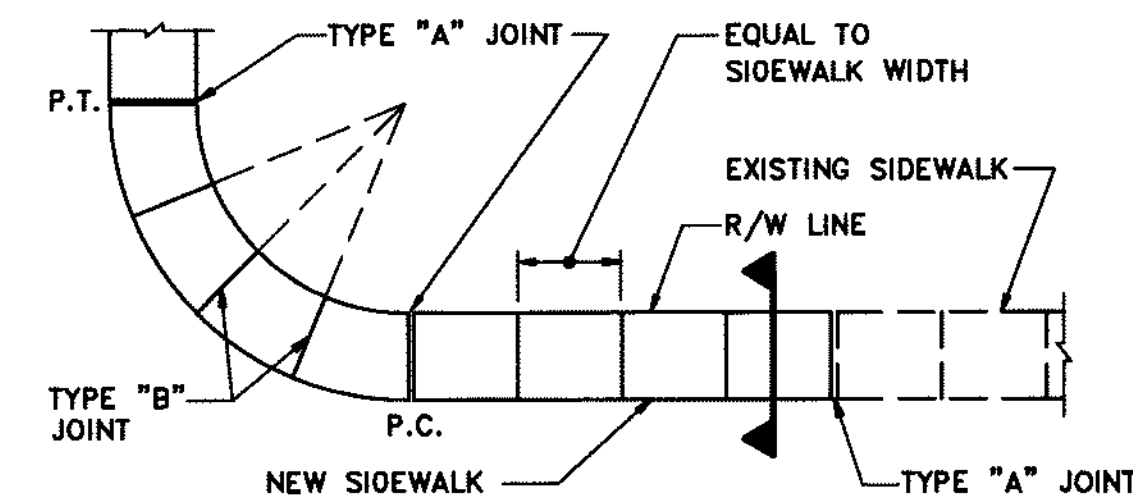


NOTE: EACH WHEEL STOP TO BE SECURED BY TWO 30" LONG #5 REBARS IN ASPHALTIC PAVT.; BY EPOXY CEMENT IN CONC. PAVT.

WHEEL STOP DETAIL
N.T.S.

TABLE OF SIDEWALK THICKNESS "T"	
LOCATION	"T"
RESIDENTIAL AND INTERIOR AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

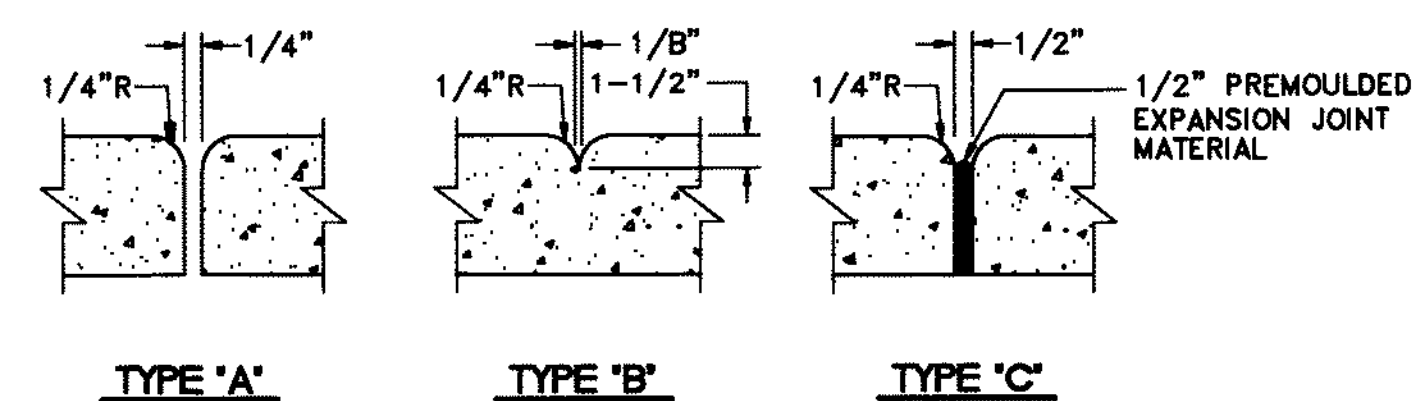
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS.
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS
"C"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES ALSO, EVERY 50 FEET OF CONTINUOUS SIDEWALK



SEE PLANS
1/4" PER FT. SLOPE (MAX.)

SIDEWALK PLAN

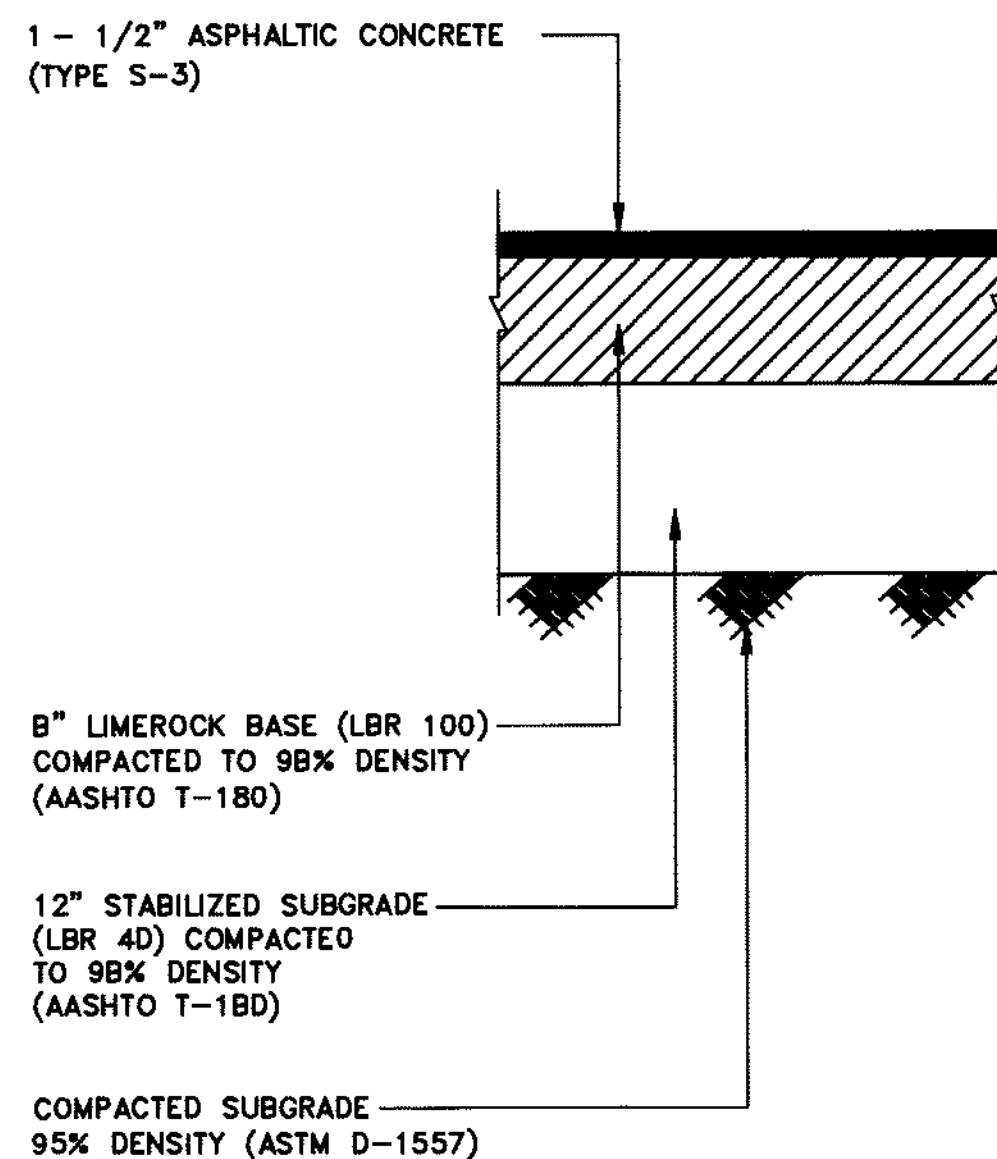
SECTION



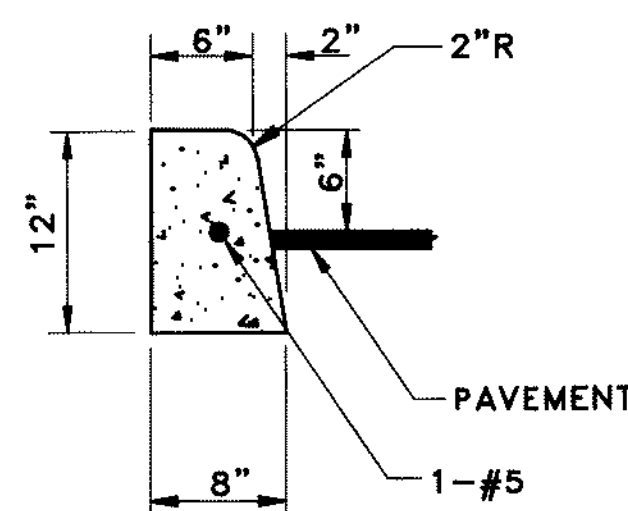
SIDEWALK JOINTS

NOTE: SIDEWALKS WITHIN CITY R/W SHALL BE CAST-IN-PLACE, MIAMI BEACH RED INTEGRAL COLORED CONCRETE, AS PER MIAMI BEACH PUBLIC WORKS APPROVED MIX DESIGNS.

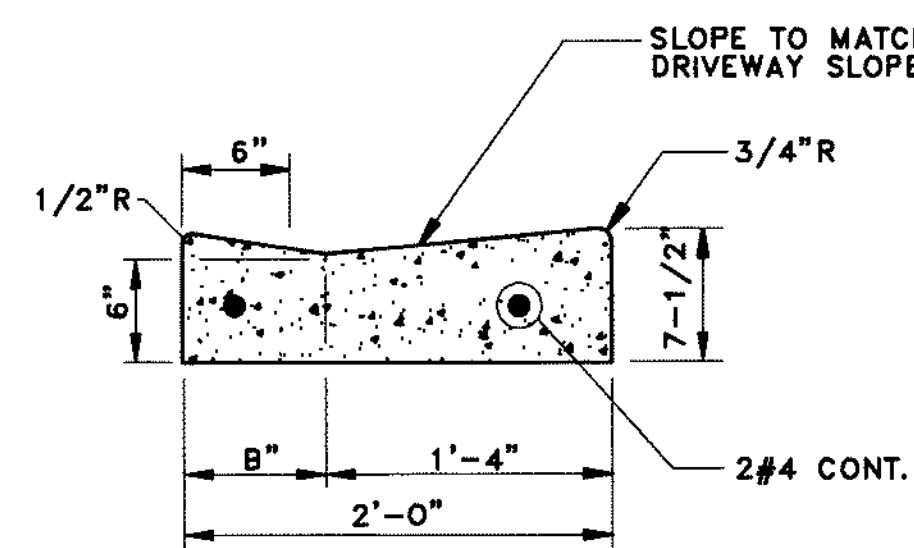
STANDARD SIDEWALK CONSTRUCTION
N.T.S.



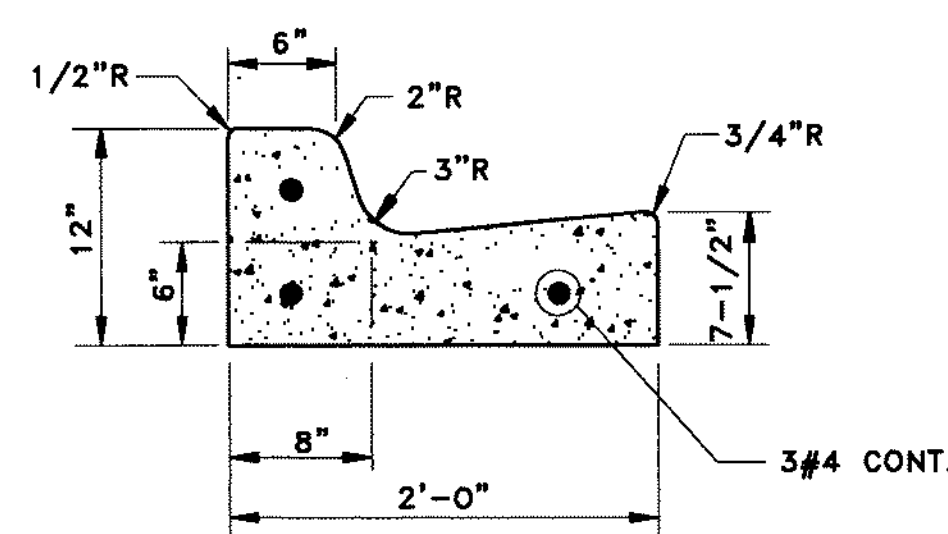
ASPHALTIC PAVEMENT DETAIL
N.T.S.



6" CURB
N.T.S.



**DRIVEWAY CURB
(IN CITY R/W)**
N.T.S.



**6" CURB AND GUTTER
(IN CITY R/W)**
N.T.S.

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

MC HARRY ASSOCIATES
ARCHITECTURAL ENGINEERING PLANNING
3780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 448-3788
WWW.MCHARRY.COM



PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA**
OWNER:
CITY OF MIAMI BEACH

NOV 08, 2007 PERMIT SET

DRAWING TITLE

SHEET No.

SITE DETAILS

SCALE: N.T.S.

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

C-7

CONSULTING ENGINEERING & SCIENCE, INC.
8825 S.W. 148th STREET, SUITE 100
MIAMI, FLORIDA 33178 (305) 378-5555
18-0003255
FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

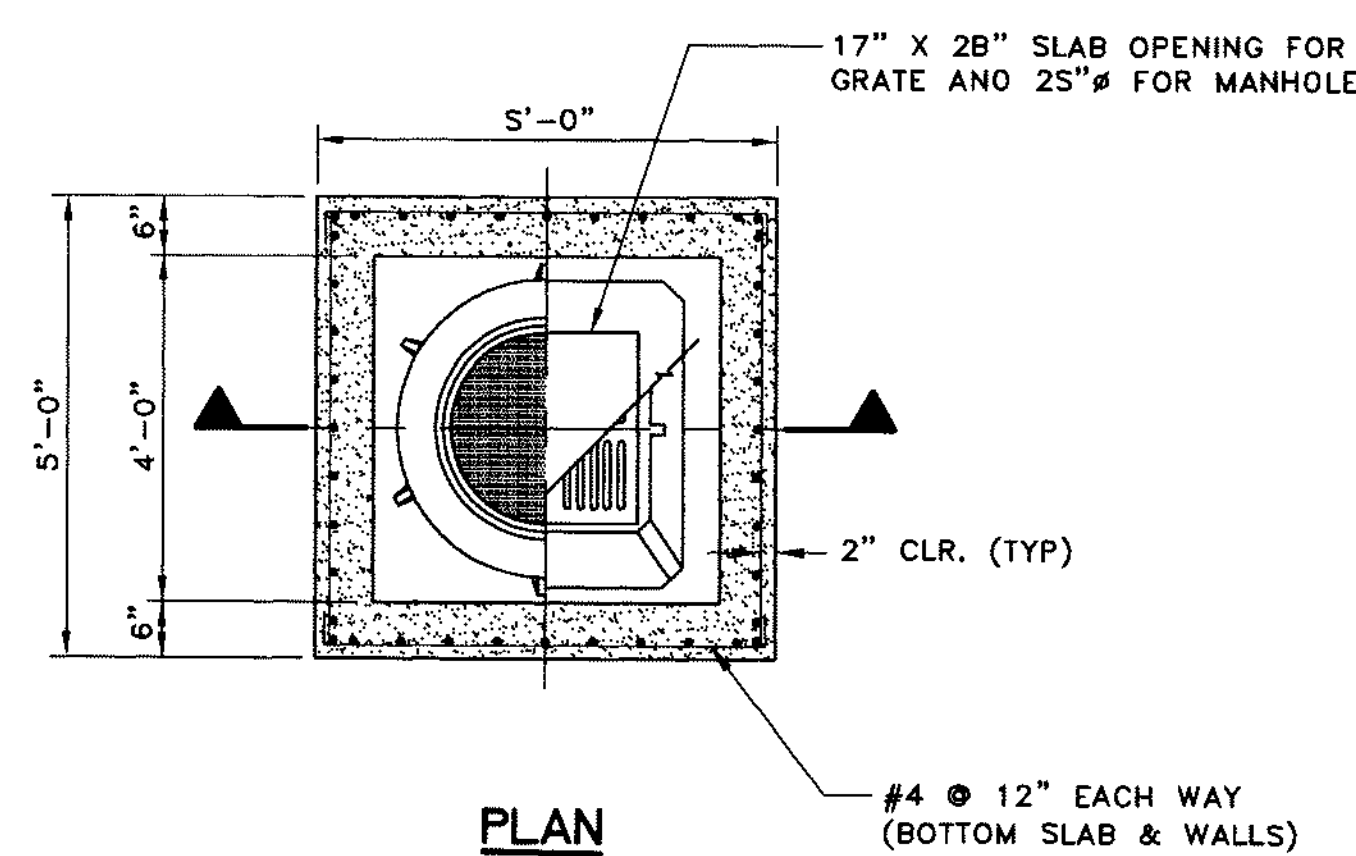
MCHARRY ASSOCIATES
ARCHITECTURE ENGINEERING PLANNING
THOMAS M. CHERRY, AIA JAMES W. PERRY, AIA
COSTAS LACONOMA, RESIDUALS CONSULTANT
2780 SW DOUGLAS RD., SUITE 307
MIAMI, FLORIDA 33133 (305) 445-3781
WWW.MCHARRY.COM



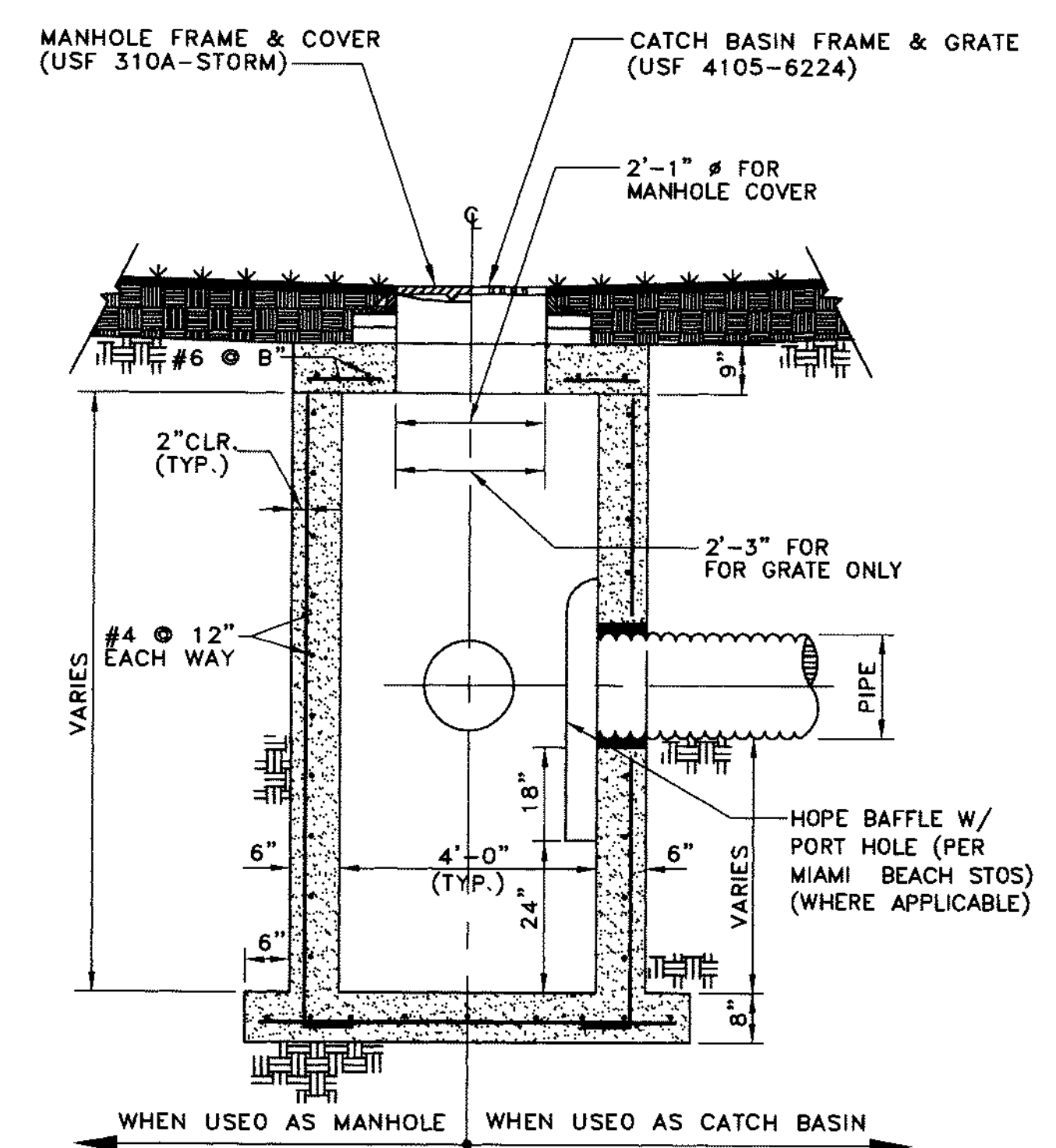
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAINAGE DETAILS
SCALE: N.T.S.
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

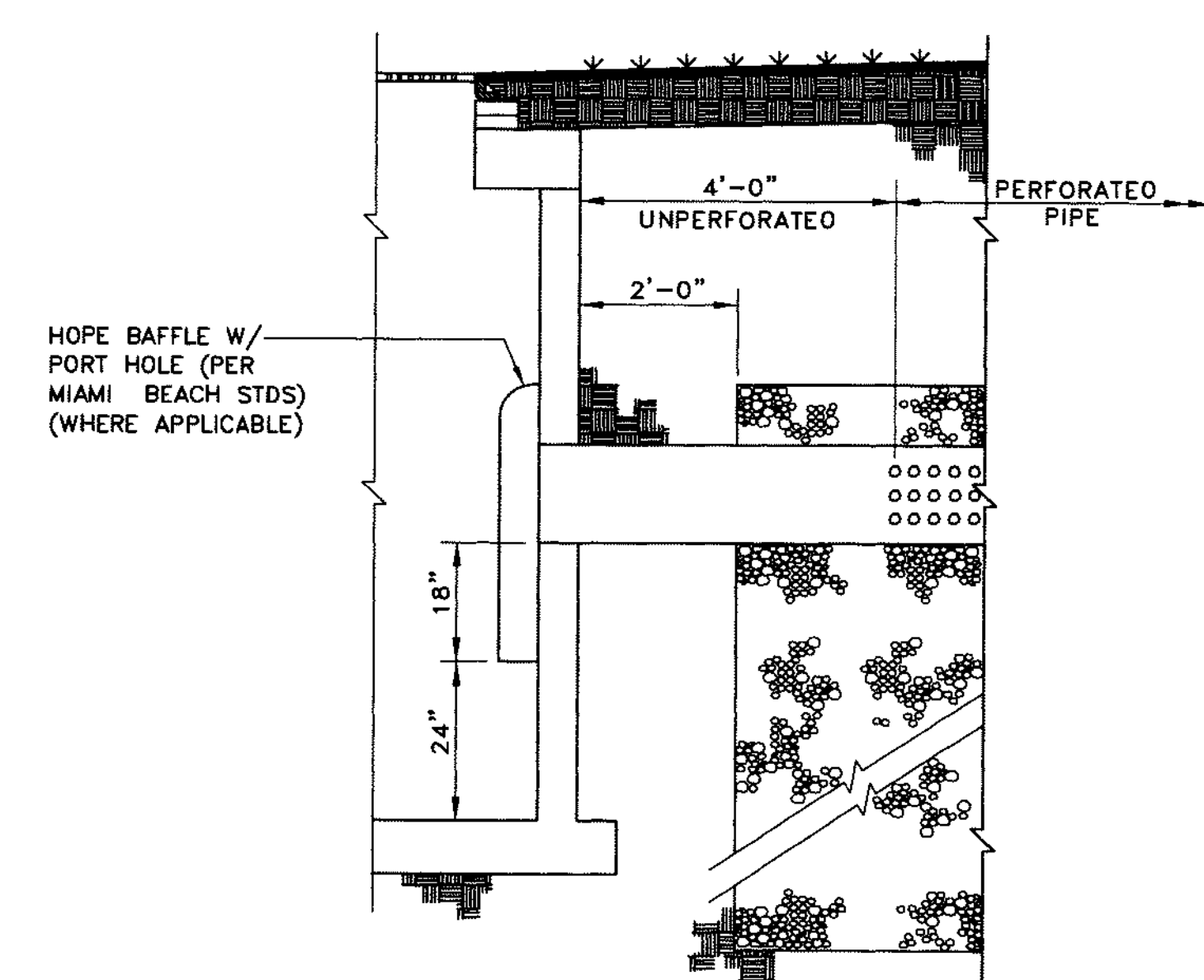
SHEET No. **C-8**



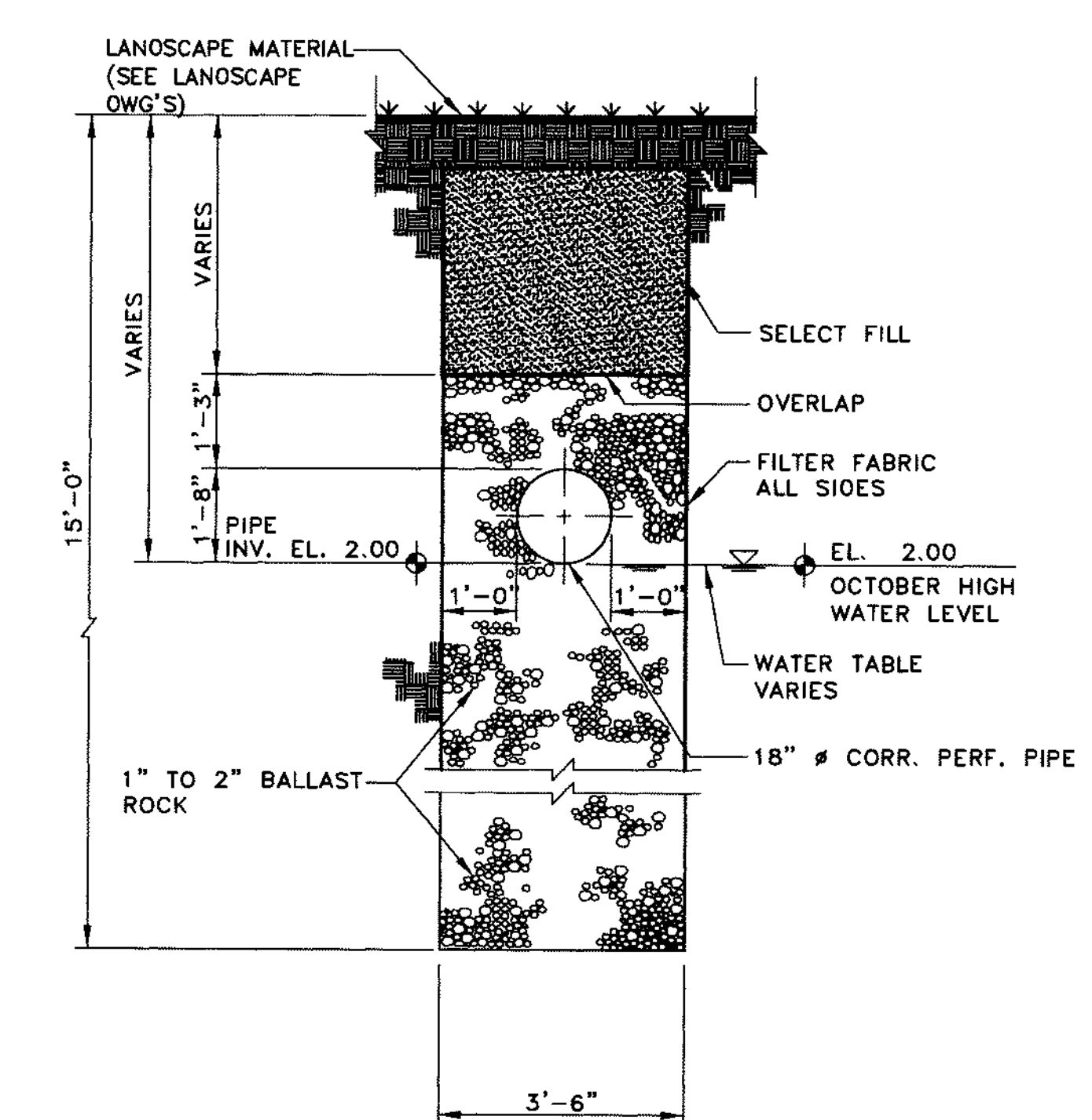
DRAINAGE STRUCTURE TABLE					
ID	TYPE	RIM/GRATE	PIPE INVERT	STRUCTURE INVERT	POLLUTION BAFFLE
A	CATCH BASIN	5.75	2.00	(-)0.50	1
B	CATCH BASIN	5.70	2.00	(-)0.50	1
C	CATCH BASIN	5.50	2.00	(-)0.50	1
O	CATCH BASIN	6.25	2.00	(-)0.50	1
E	CATCH BASIN	5.40	2.00	(-)0.50	1
F	CATCH BASIN	6.20	2.00	(-)0.50	1
G	CATCH BASIN	4.90	1.65	(-)0.35	0
H	CATCH BASIN	4.90	2.05	(-)0.60	1
J	CATCH BASIN	5.89	3.46	1.46	0
K	CATCH BASIN	5.89	2.14	(-)0.61	1



NOTES:
1. SUMP 2'-0" (TYP.), EXCEPT AT POLLUTION CONTROL STRUCTURES SUMP TO BE 3'-6".
2. PROVIDE BAFFLES AS REQUIRED BY MIAMI-OAEO O.E.R.M., AS NOTED.
CATCH BASIN/MANHOLE DETAIL
N.T.S.



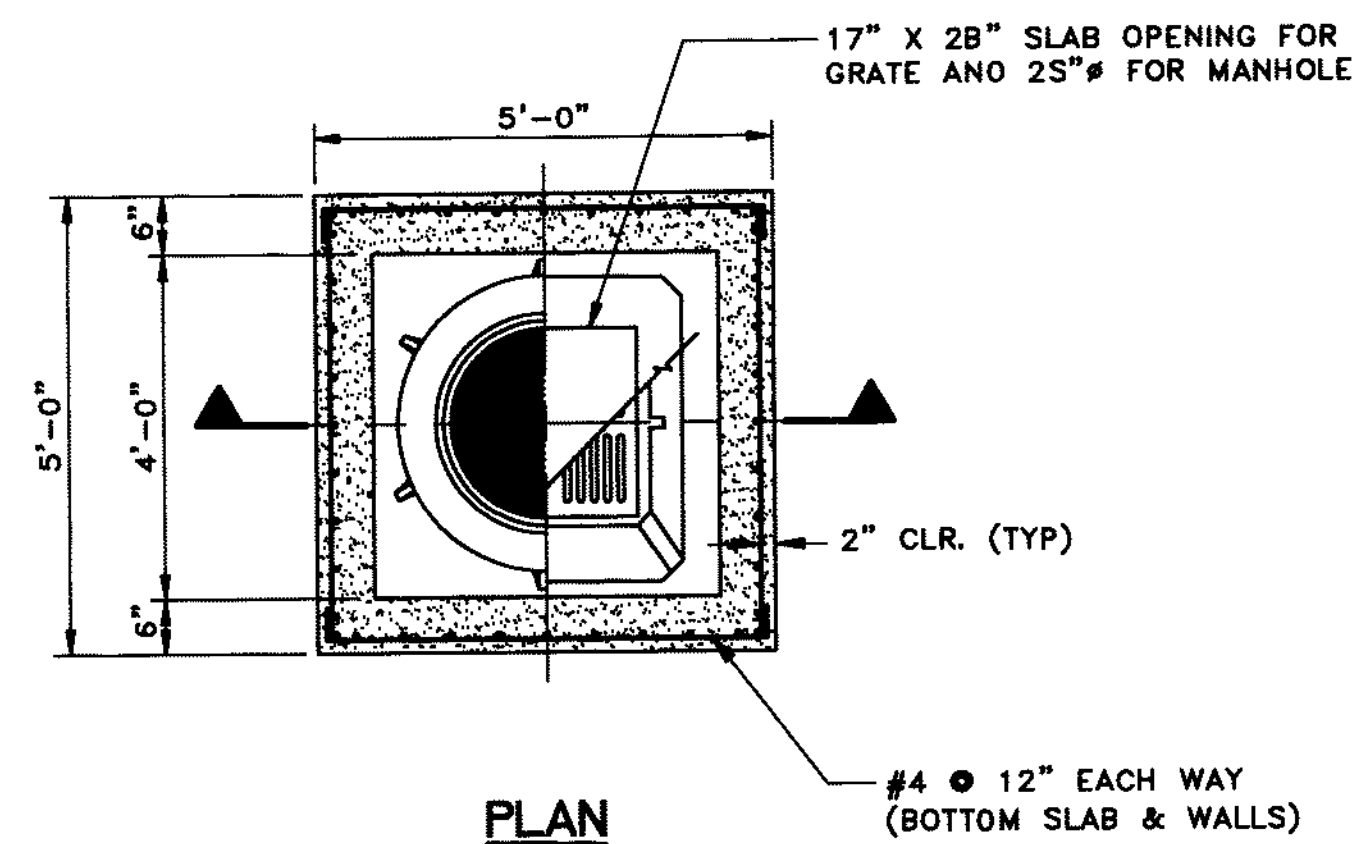
NOTES:
1. PROVIDE BAFFLE WHEREVER PIPE ENTERS FRENCH DRAIN.
2. BAFFLE SHALL BE TYPE S-18 HYORO-BAFFLE AS MANUFACTURED BY GEOTECHNICAL MARINE CORP. OR APPROVED EQUAL.
FRENCH DRAIN CONNECTION DETAIL
N.T.S.



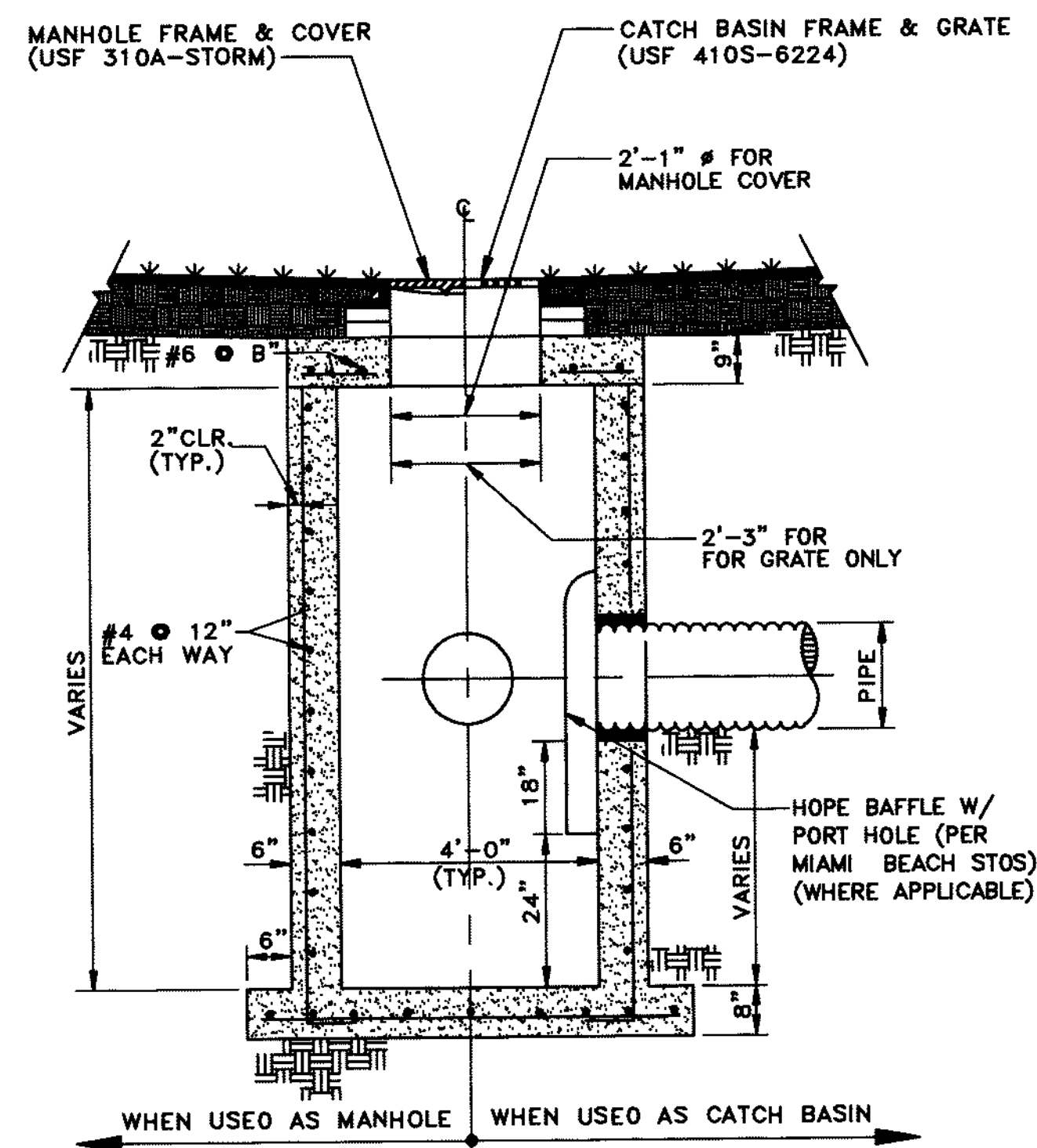
FRENCH DRAIN SECTION
N.T.S.

CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

MAY 02, 2008 PERMIT SET

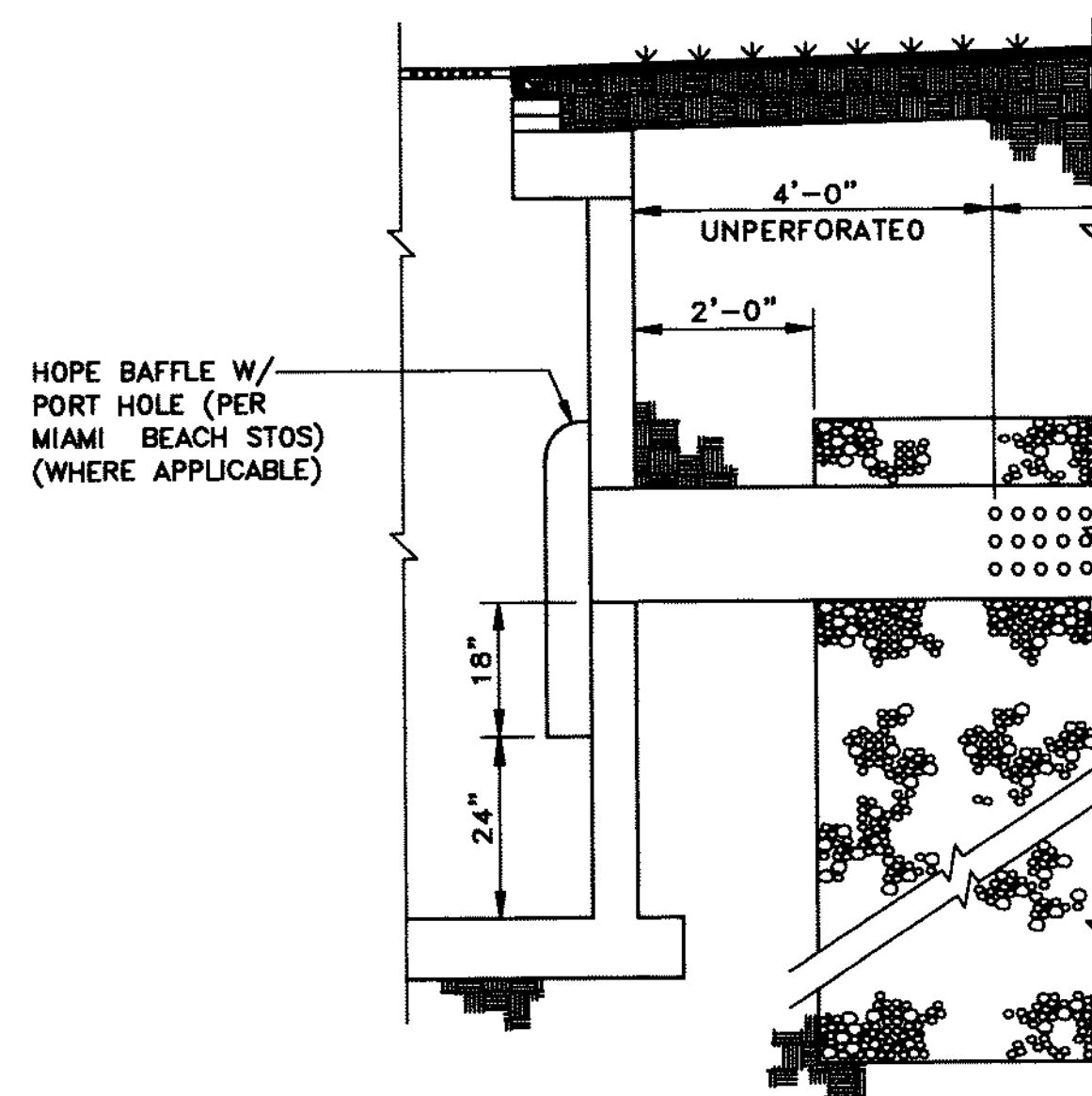


DRAINAGE STRUCTURE TABLE					
ID	TYPE	RIM/GRATE	PIPE INVERT	STRUCTURE INVERT	POLLUTION BAFFLE
A	CATCH BASIN	5.75	2.00	(-)0.50	1
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F	CATCH BASIN	6.20	2.00	(-)0.50	1
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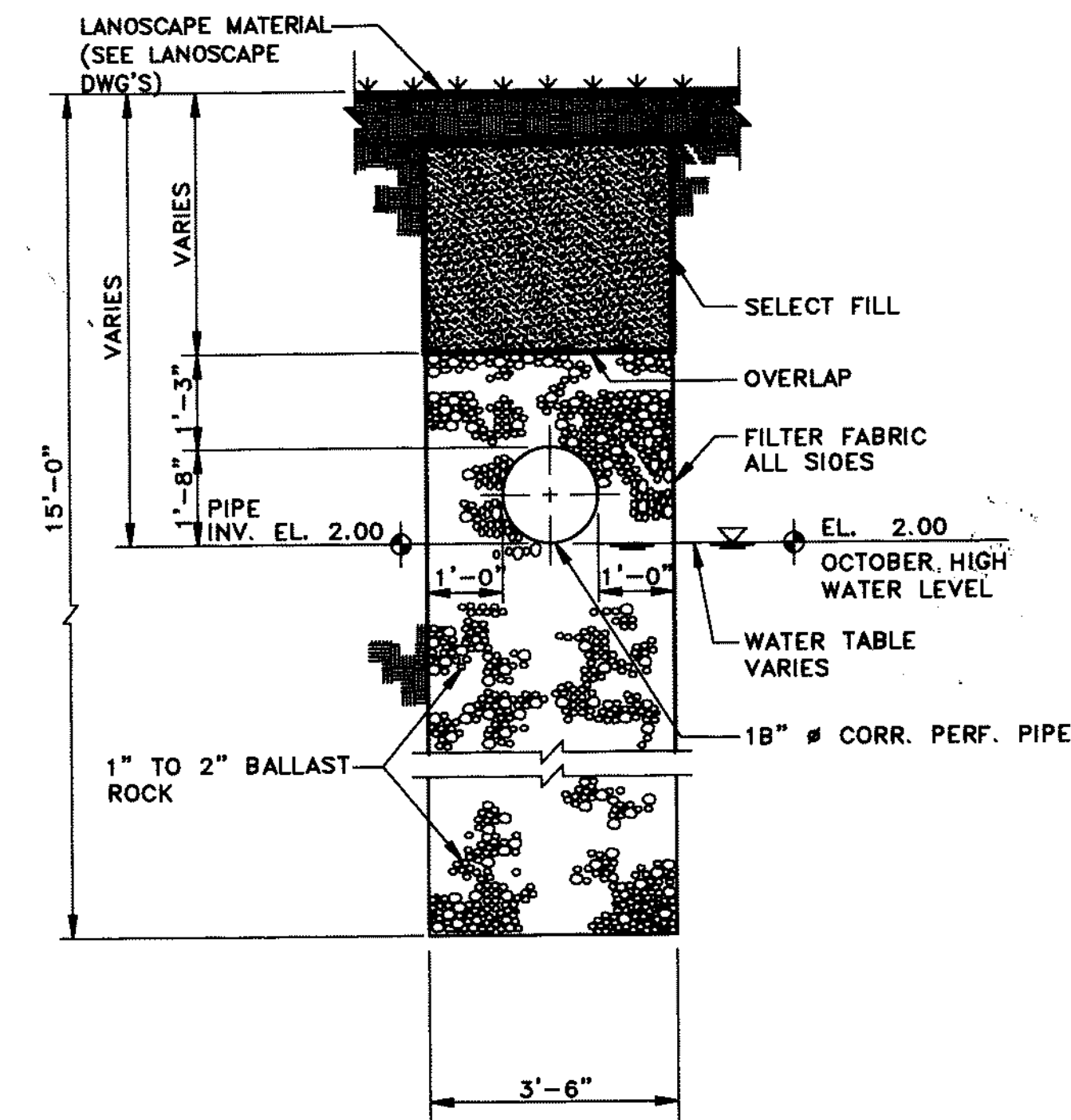
- NOTES:
- SUMP 2'-0" (TYP.), EXCEPT AT POLLUTION CONTROL STRUCTURES SUMP TO BE 3'-6".
 - PROVIDE BAFFLES AS REQUIRED BY MIAMI-DADE O.E.R.M., AS NOTED.

CATCH BASIN/MANHOLE DETAIL
N.T.S.



- NOTES:
- PROVIDE BAFFLE WHEREVER PIPE ENTERS FRENCH DRAIN.
 - BAFFLE SHALL BE TYPE S-18 HYDRO-BAFFLE AS MANUFACTURED BY GEOTECHNICAL MARINE CORP. OR APPROVED EQUAL.

FRENCH DRAIN CONNECTION DETAIL
N.T.S.



FRENCH DRAIN SECTION
N.T.S.

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS:
No. DATE

MC HARRY ASSOCIATES
ARCHITECTS & ENGINEERS
2780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 448-3788
WWW.MCHARRY.COM



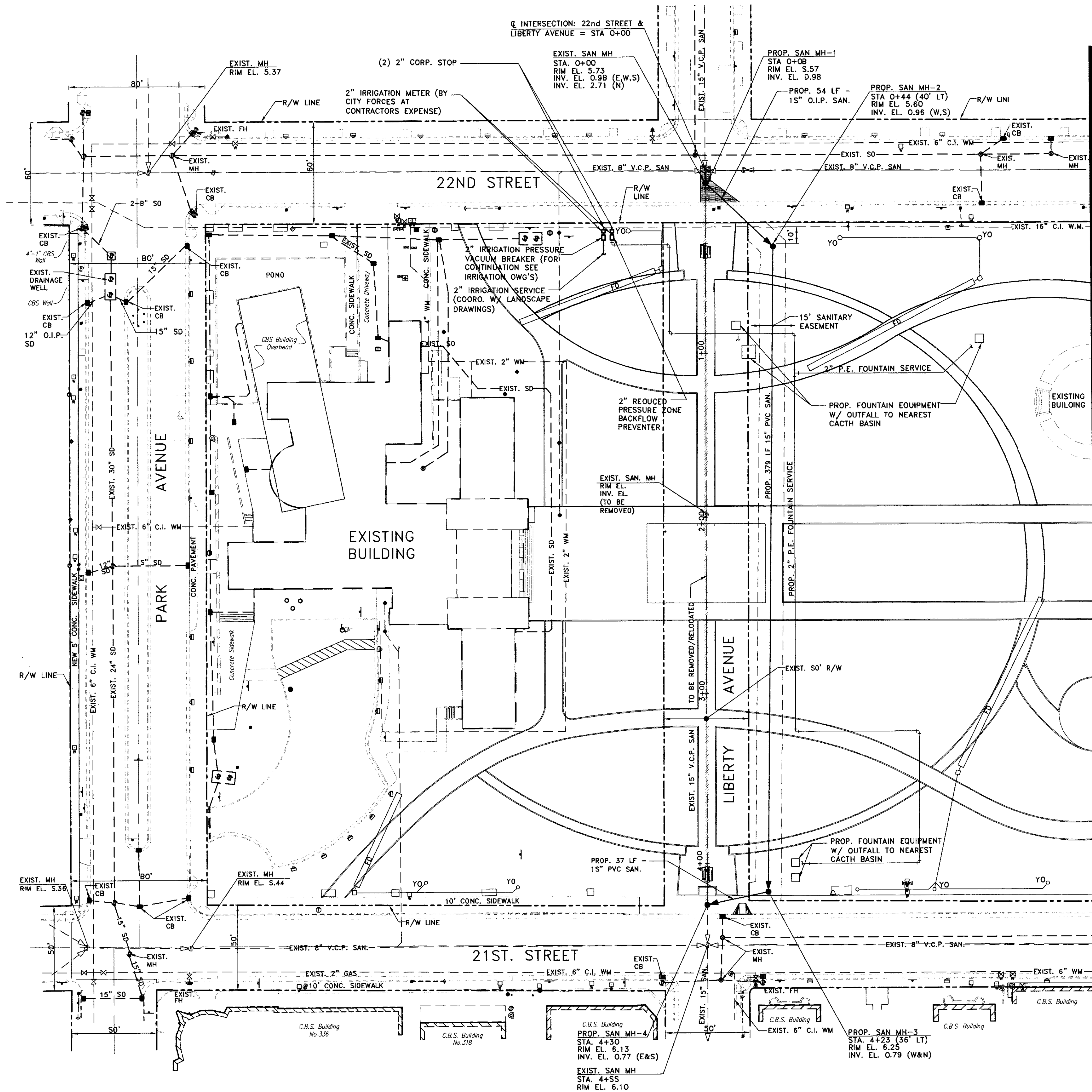
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
DRAINAGE DETAILS
SCALE: N.T.S.
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.:
C-8

CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET, SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
FOR THE CITY OF MIAMI:
RICHARD B. BOCHNOVICH PE-18833 (CIVIL)

NOV 08, 2007 PERMIT SET

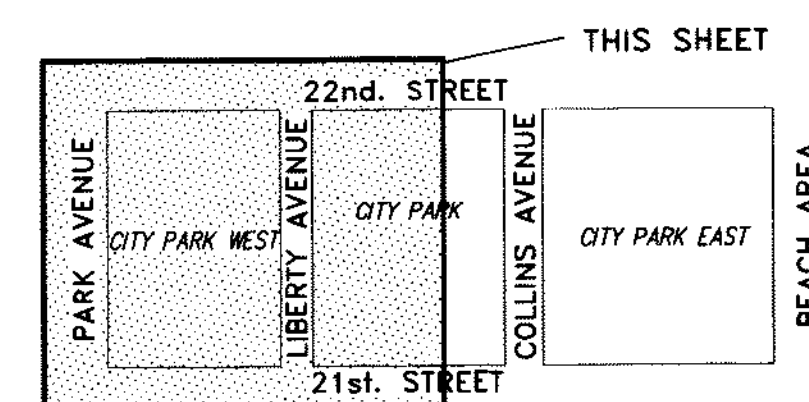


MATCH LINE - SEE SHEET C-9

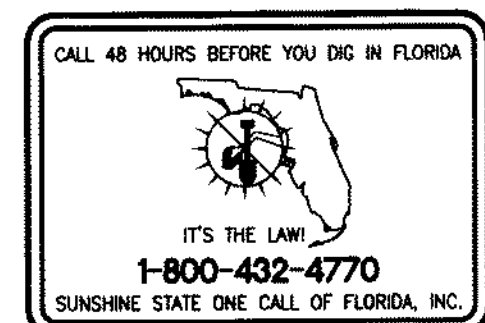
LEGEND

EXISTING		PROPOSED
WM	WATER MAIN	WM
Gate Valve	GATE VALVE	N/A
Fire Hydrant	FIRE HYDRANT	N/A
○	SEWER MANHOLE	●
SAN	SEWER MAIN	SAN
N/A	PAVEMENT RESTORATION	

No CURBS AT
OVAL PATH - TYPICAL
L-1A
2-13, 2008



KEY MAP



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET, SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EB-0003255
FOR THE CITY OF MIAMI BEACH
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

DRAWN BY: S.D.

CHKD BY: N.H.O. / B.F.P.

APP'D BY: R.B.B.

ISSUE DATE: NOV 08, 2007

REVISIONS: MAY 2, 2008

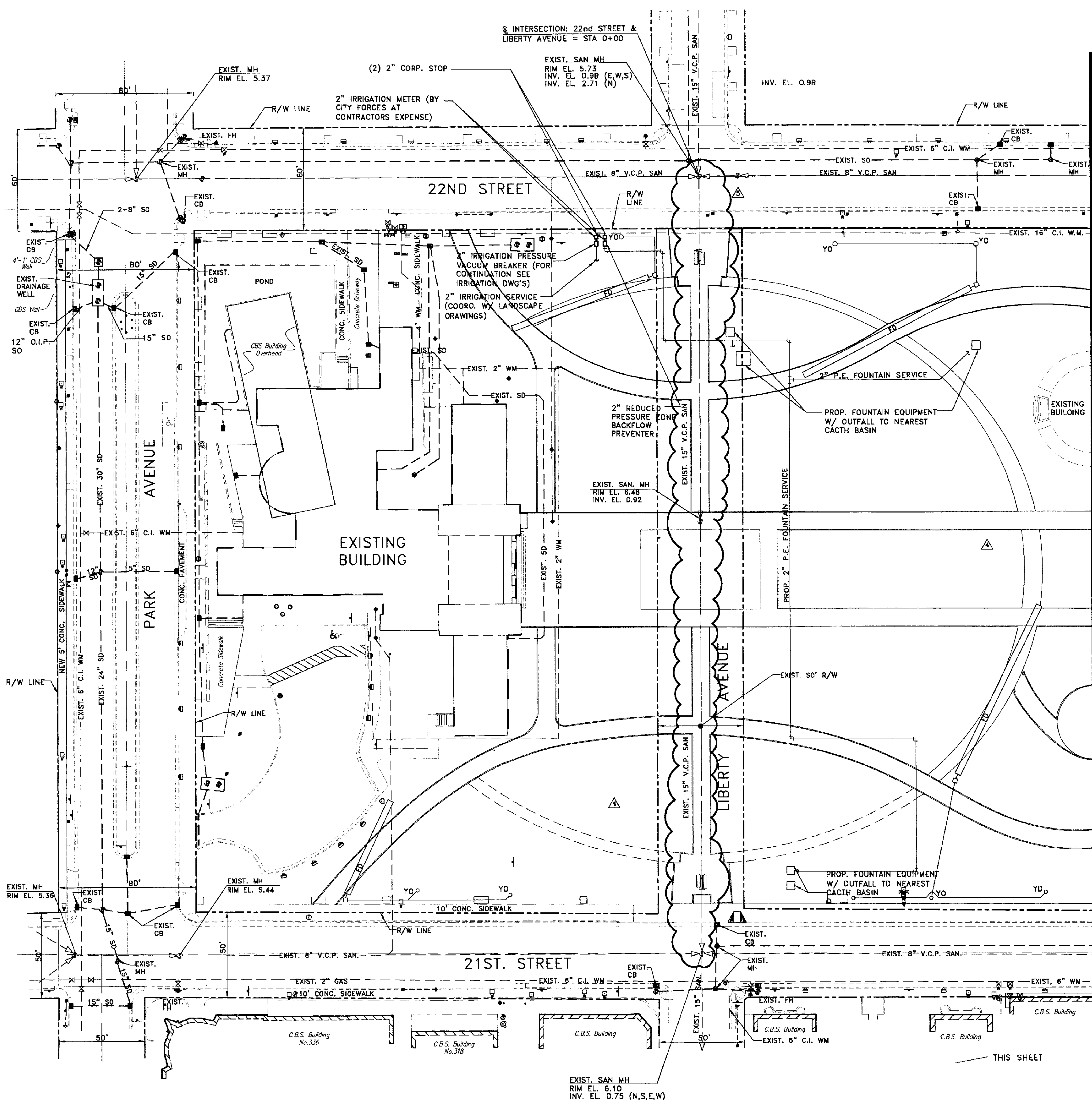
MCHARRY ASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
THOMAS M. CHERRY, AIA JAMES W. PERAZ, AIA
DOUGLAS ALCOCK, AIA BRUCE W. GIBSON, AIA
2780 SW DOUGLAS RD., SUITE 300
MIAMI, FLORIDA 33133 (305) 445-3700
WWW.MCHARRY.COM

PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER: CITY OF MIAMI BEACH

DRAWING TITLE: WATER AND SEWER PLAN
SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

DATE: MAY 02, 2008 PERMIT SET

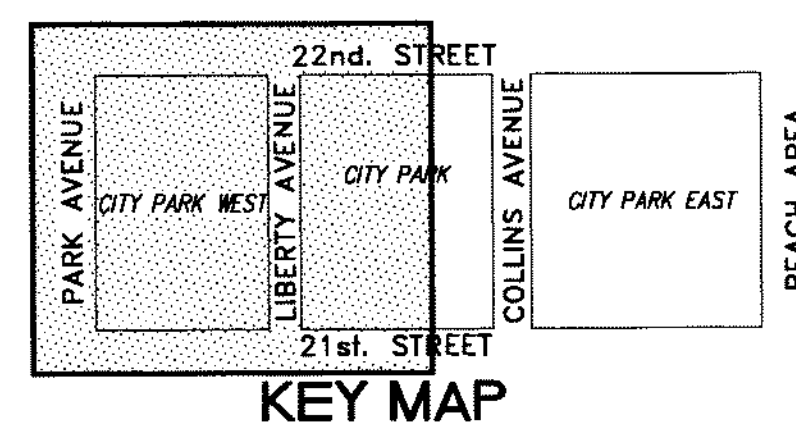
SHEET NO: C-9



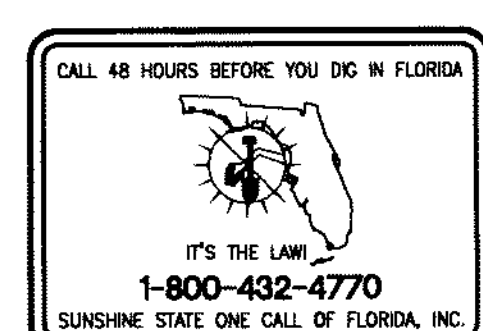
MATCH LINE - SEE SHEET C-9

LEGEND

EXISTING		PROPOSED	
WM	WATER MAIN	WM	N/A
GATE VALVE			N/A
FIRE HYDRANT			N/A
SEWER MANHOLE			N/A
SAN	SEWER MAIN		N/A



WATER AND SEWER PLAN
SCALE: 1" = 30'



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET, SUITE 100
MIAMI, FLORIDA 33178
(305) 378-5555
EB-0003255

FOR THE FIRM:
RICHARD B. BODINICH
PE-19833 (CIVIL)

DRAWN BY: S.O.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: NO. DATE
NOVEMBER 19, 2008
AUGUST 15, 2008
MAY 2, 2008

MC HARRY ASSOCIATES
ARCHITECTURE AND PLANNING
THOMAS M. GRIFFIN, AIA JAMES W. PEREZ, AIA
2780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3765
WWW.MCHARRY.COM

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER:
CITY OF MIAMI BEACH

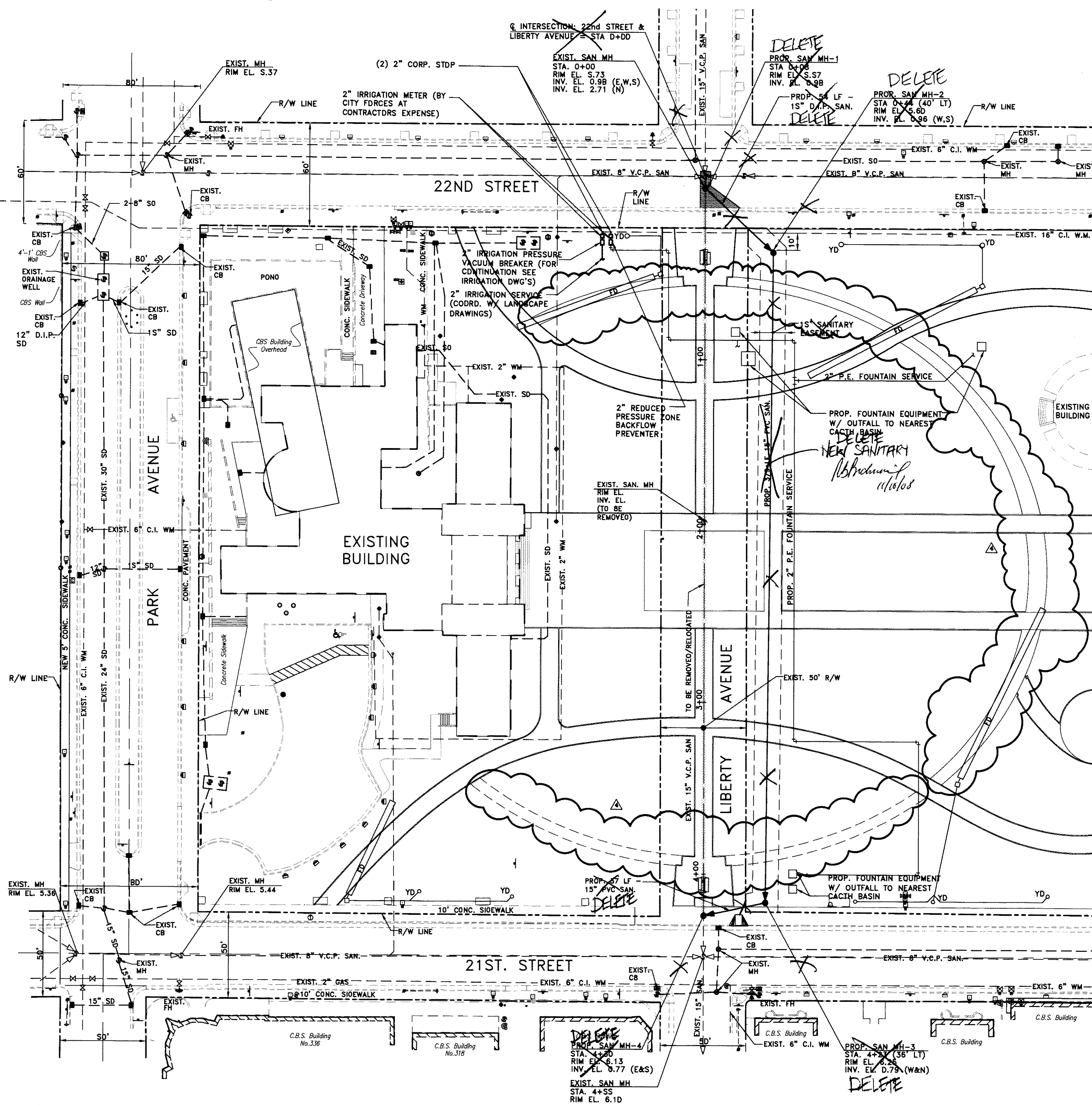
DRAWING TITLE:
WATER PLAN
SCALE: 1" = 30'

SHEET NO.:
C-9

DATE:
MAY 02, 2008 PERMIT SET

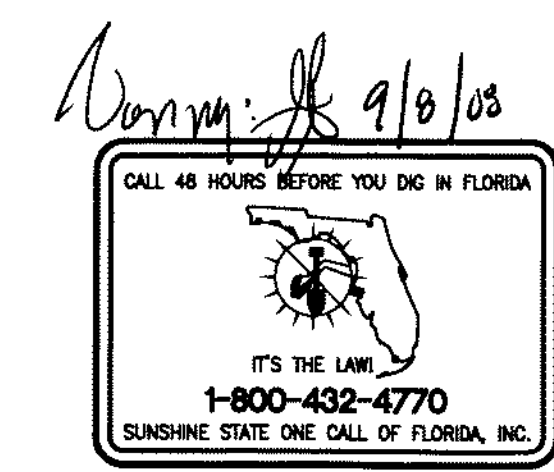
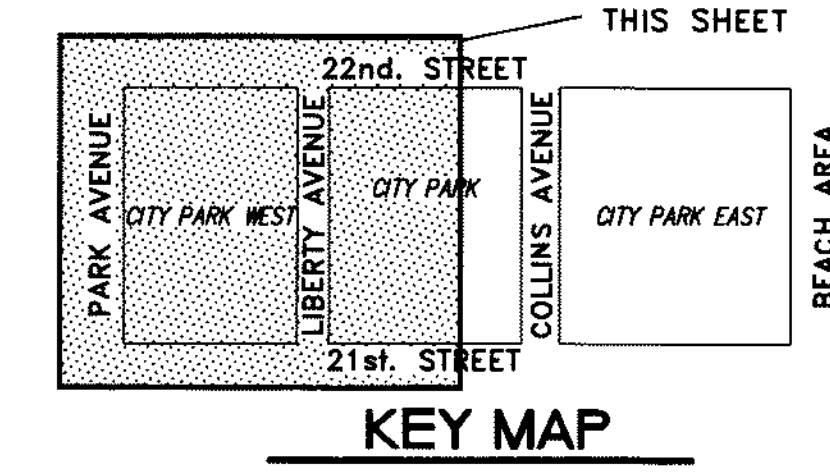
NOTE:
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

C.E.S. PROJECT NO.: 0433



MATCH LINE - SEE SHEET C-9

EXISTING		PROPOSED	
WM	WATER MAIN	WM	WATER MAIN
Gate Valve	GATE VALVE	N/A	N/A
Fire Hydrant	FIRE HYDRANT	N/A	N/A
○	SEWER MANHOLE	●	SEWER MANHOLE
SAN	SEWER MAIN	SAN	SEWER MAIN
N/A	PAVEMENT RESTORATION		PAVEMENT RESTORATION



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
CB-0003255

DRAWN BY: S.O.

CHKD BY: N.H.O. / B.F.P.

APP'D BY: R.B.B.

ISSUE DATE: NOV 08, 2007

REVISIONS: No. DATE

1 AUGUST 15, 2008

2 MAY 2, 2008

MCHARRY ASSOCIATES

ARCHITECTURE / ENGINEERING / PLANNING

THOMAS M. MCHARRY, AIA JAMES R. PUGH, AIA

000740 00000000 00000000 00000000

2780 SW DOUGLASS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3765

WWW.MCHARRY.COM

PROJECT TITLE:

COLLINS PARK CULTURAL CAMPUS PROJECT

COLLINS PARK / ROTUNDA / STREETSCAPE

MIAMI BEACH, FLORIDA

OWNER:

CITY OF MIAMI BEACH

DRAWING TITLE:

WATER AND SEWER PLAN

SCALE: 1" = 30'

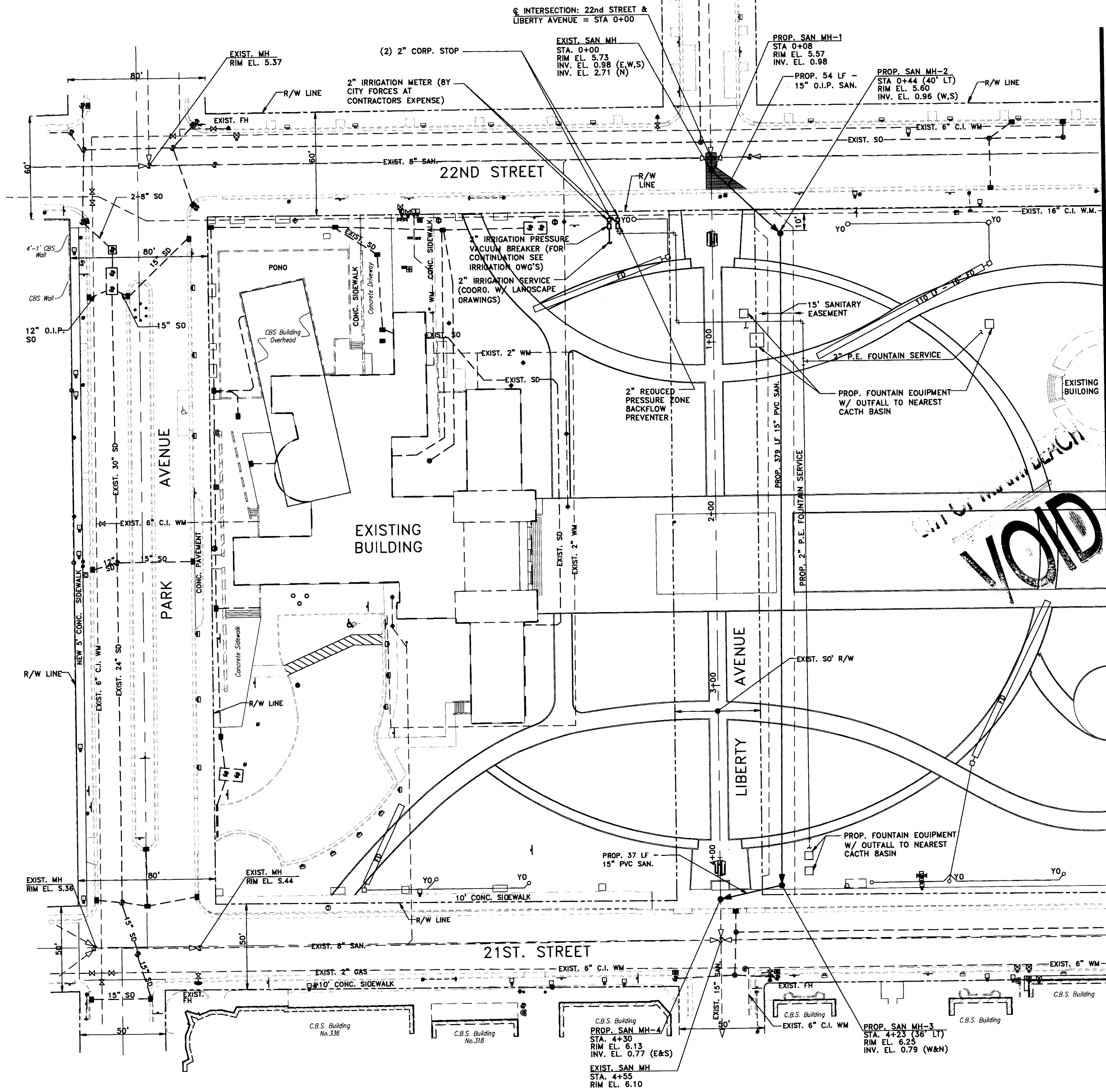
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.

C-9

WATER AND SEWER PLAN
SCALE: 1" = 30'

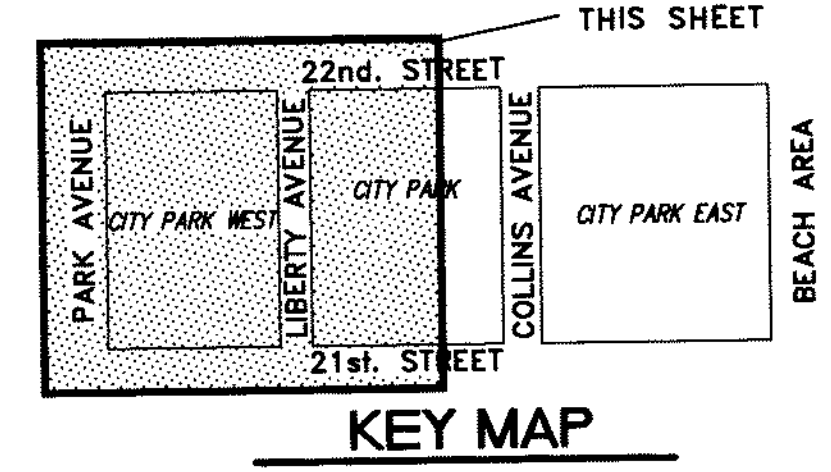
MAY 02, 2008 PERMIT SET



MATCH LINE - SEE SHEET C-9

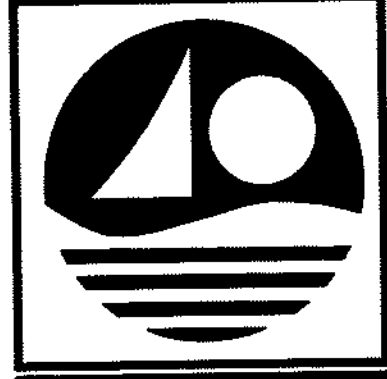
LEGEND

EXISTING		PROPOSED
WM	WATER MAIN	WM
Gate Valve	GATE VALVE	N/A
Fire Hydrant	FIRE HYDRANT	N/A
○	SEWER MANHOLE	●
SAN	SEWER MAIN	SAN
N/A	PAVEMENT RESTORATION	



WATER AND SEWER PLAN
SCALE: 1" = 30'

DRAWN BY: S.O.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: NO. DATE



PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA**
OWNER:
CITY OF MIAMI BEACH

NOV 08, 2007 PERMIT SET

**WATER AND SEWER
PLAN**
SCALE: 1" = 30'

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

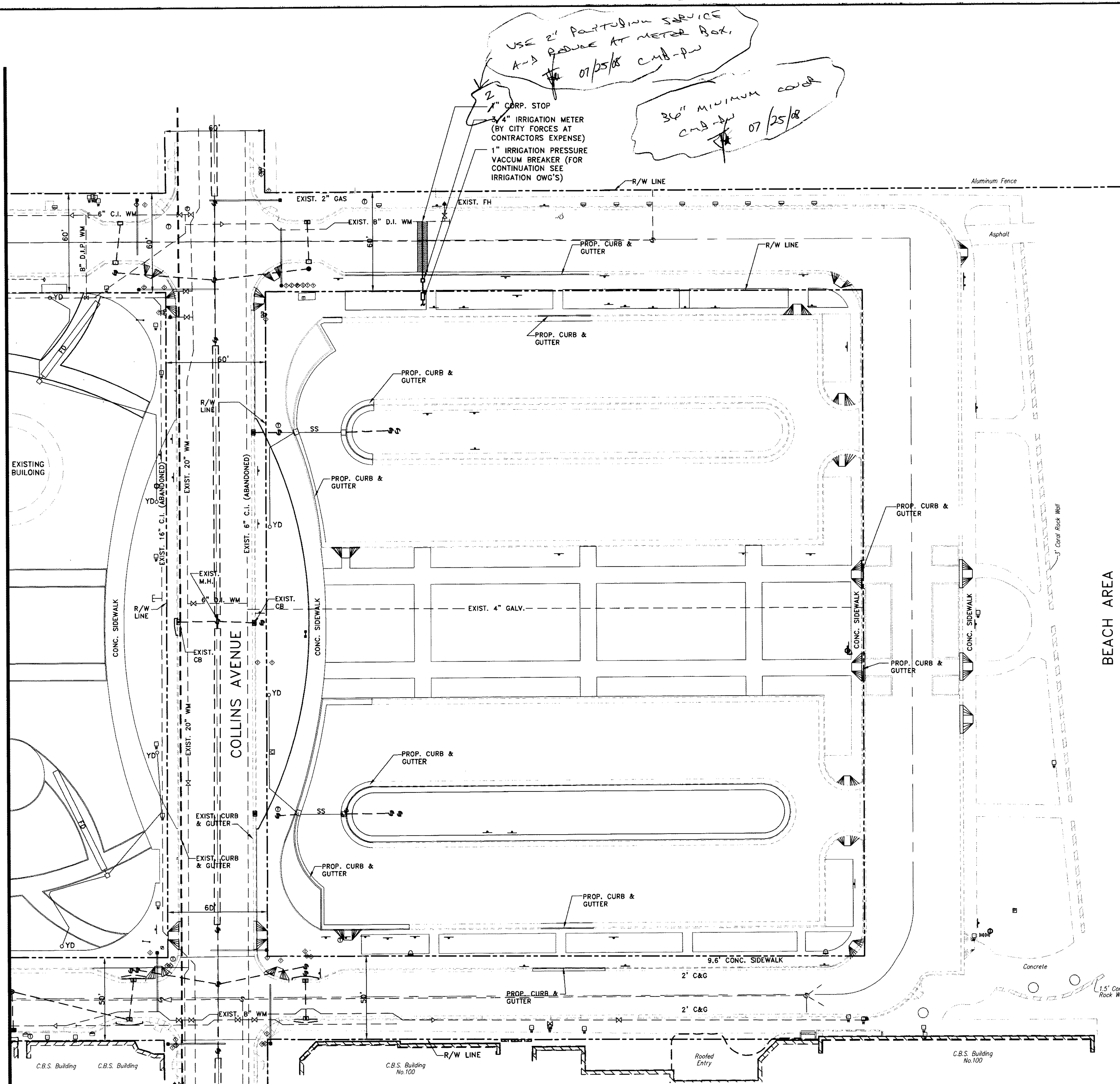


CONSULTING ENGINEERING & SCIENCE, INC.
9825 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
FOR THE CITY OF MIAMI BEACH
RICHARD A. BOCHNOVICH PE-19833 (CIVIL)

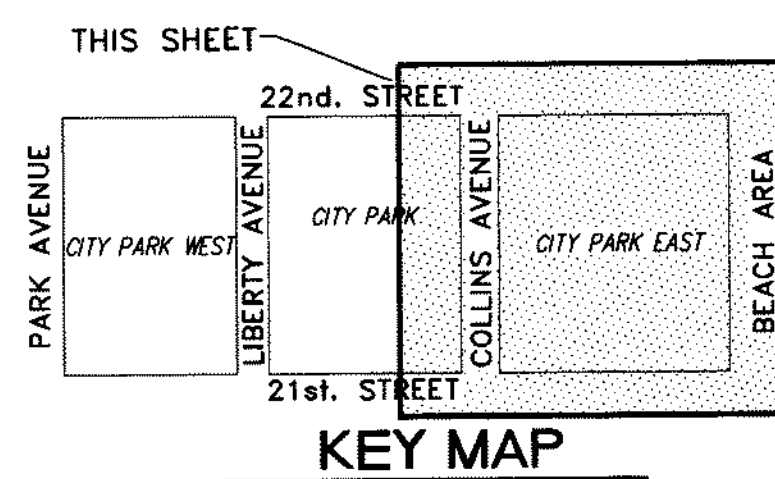
SHEET NO.

C-9

MATCH LINE - SEE SHEET C-8

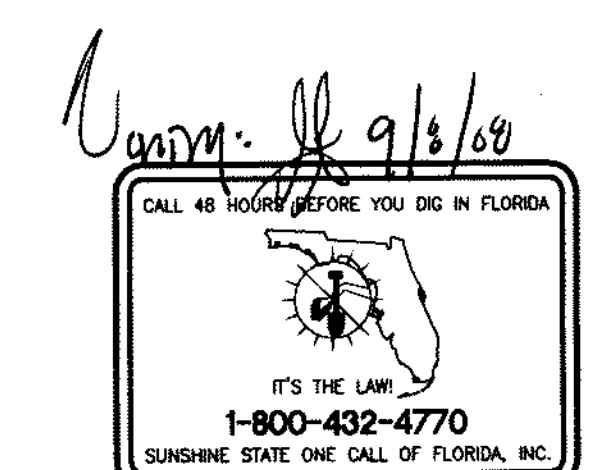


WATER AND SEWER PLAN
SCALE : 1" = 30'



LEGEND

EXISTING		PROPOSED
WM	WATER MAIN	WM
	GATE VALVE	N/A
	FIRE HYDRANT	N/A
	SEWER MANHOLE	
SAN	SEWER MAIN	SAN
N/A	PAVEMENT RESTORATION	



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EB-0003255

Richard B. Bochkovich 5/14/08
FOR THE FIRM: RICHARD B. BOCHKOVICH PE-19833 (CIVIL)

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE
MAY 2, 2008

MCHARRYASSOCIATES
ARCHITECTURE ENGINEERING PLANNING
7280 SW DOUGLAS RD., SUITE 30
MIAMI, FLORIDA 33133 (305) 448-3781
WWW.MCHARRY.COM

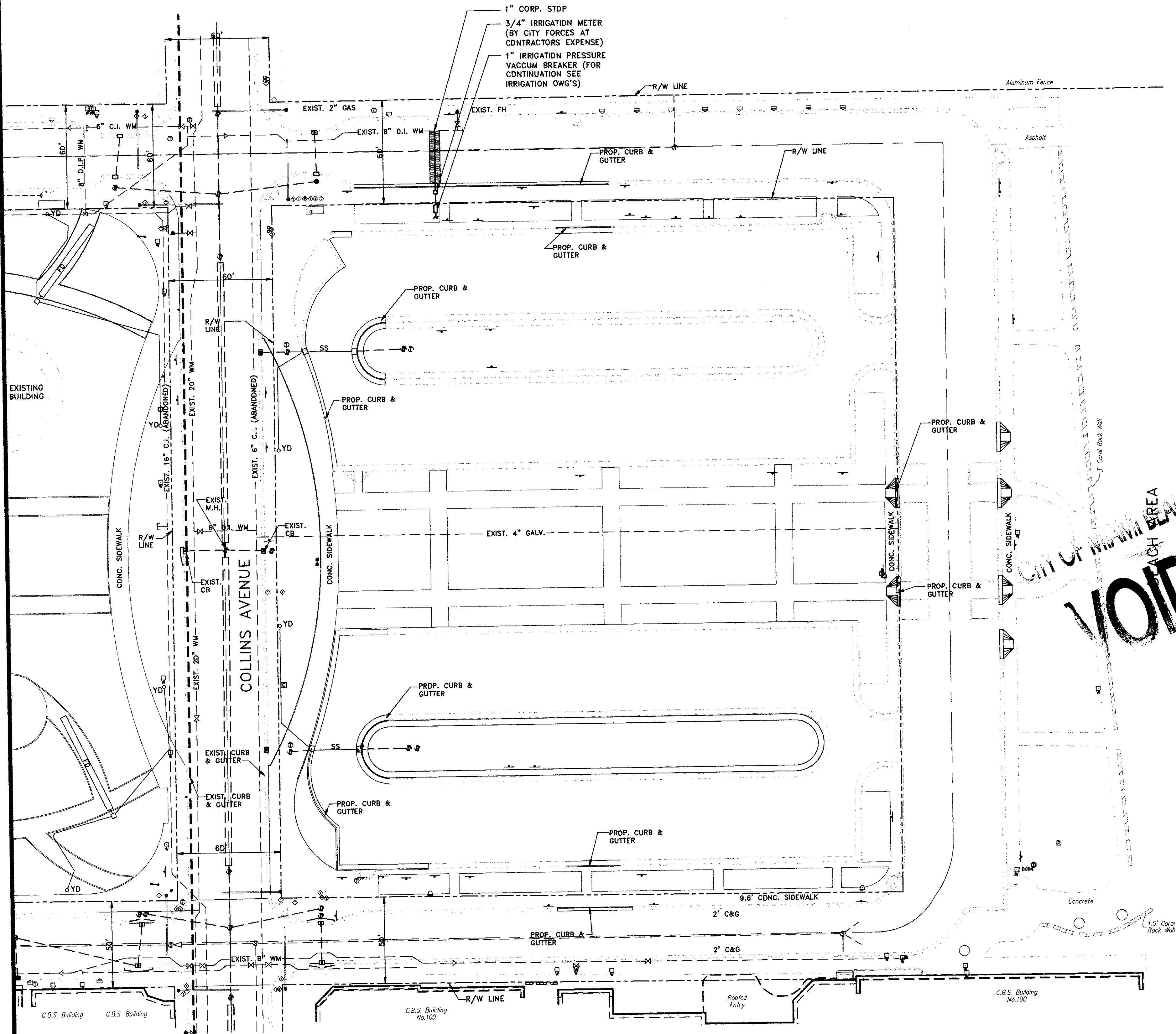
PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA**
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
WATER AND SEWER PLAN
SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

MAY 02, 2008 PERMIT SET

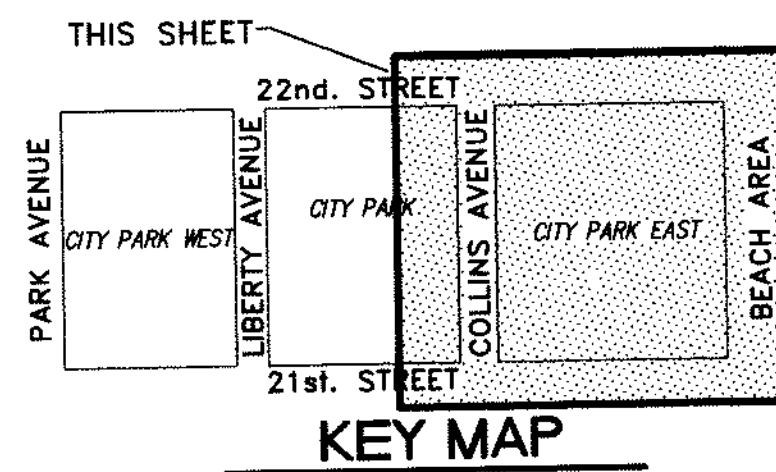
SHEET No. **C-10**

MATCH LINE - SEE SHEET C-8



WATER AND SEWER PLAN
SCALE: 1" = 30'

EXISTING		PROPOSED	
WM	WATER MAIN	WM	N/A
Gate Valve Symbol	GATE VALVE		N/A
Fire Hydrant Symbol	FIRE HYDRANT		N/A
Manhole Symbol	SEWER MANHOLE	Manhole Symbol	
SAN	SEWER MAIN	SAN	
N/A	PAVEMENT RESTORATION		



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 140th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EP-0003255
FOR THE FIRM: RICHARD B. BOCHNOVICH PE-19853 (CIVIL)
1/8/08

NOV 08, 2007 PERMIT SET

WATER AND SEWER PLAN

SHEET NO.

C-10

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH



MCHARRY ASSOCIATES
ARCHITECTURAL ENGINEERING PLANNING
THOMAS M. CHARRY, P.E. JAMES M. HARRY, P.E.
OWNER: ALCOHOLIC BEVERAGES COMPANY
2780 SW DOUGLAS RD., SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3785
WWW.MCHARRY.COM

DRAWN BY: S.D.
CHKD BY: N.H.D. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

HEALTH DEPARTMENT NOTES

WATER MAIN HORIZONTAL SEPARATIONS

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT. MINIMUM.

BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FT. MINIMUM.

GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT. AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.

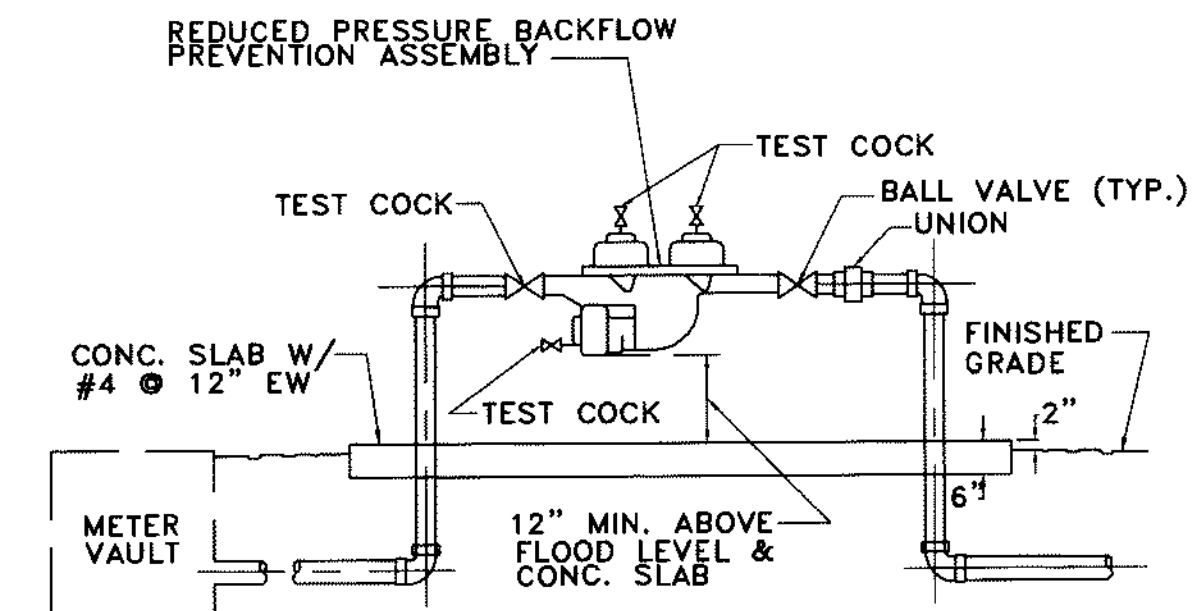
10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

WATER MAIN VERTICAL SEPARATIONS

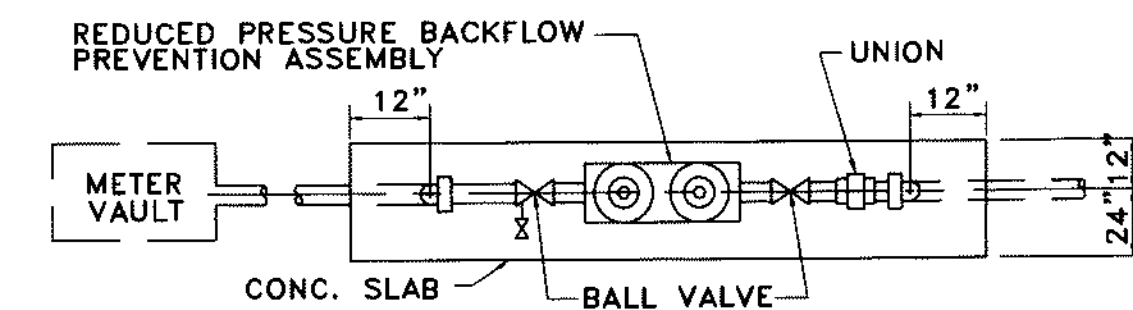
SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER, OR STORM SEWERS, TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW.*

PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.*

* NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.



ELEVATION



PLAN

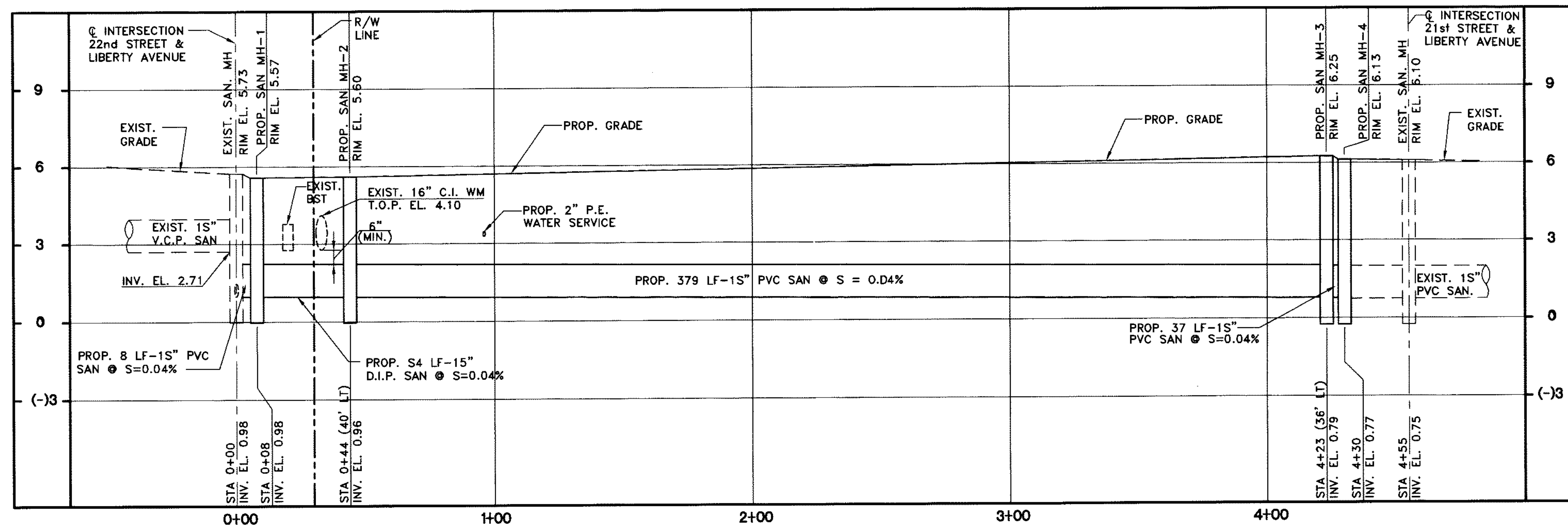
(4" - DOMESTIC SERVICE)

NOTES

1. THE ASSEMBLY SHALL BE INSTALLED WITH MINIMUM HORIZONTAL CLEARANCES OF 30 INCHES FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
2. GUARD POST SHALL BE INSTALLED IF THE ASSEMBLY IS EXPOSED TO POSSIBLE DAMAGE FROM VEHICULAR TRAFFIC, AS DETERMINED BY THE DEPARTMENT, OR THE WASD INSPECTOR.
3. THE ASSEMBLY SHALL BE INSTALLED IN ACCESSIBLE LOCATION, APPROVED BY THE DEPARTMENT AND THE WASD INSPECTOR.
4. ADJUSTABLE PIPE SADDLE SUPPORT (GRINNELL FIG. 264, OR EQUAL) SIZED TO FIT CURVATURE OF DOUBLE DETECTOR CHECK VALVE ASSEMBLY, WITH GALVANIZED STEEL PIPE AND FLOOR FLANGE. ATTACH FLOOR FLANGE TO CONCRETE SLAB WITH GALVANIZED EXPANSION BOLTS.
5. THE DEPARTMENT SHALL HAVE UNRESTRICTED AND CONTINUOUS ACCESS TO THE VACUUM BREAKER ASSEMBLY.
6. PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH GALVANIZED MALLEABLE IRON THREADED FITTINGS. PIPING 2-1/2" AND LARGER SHALL BE IN ACCORDANCE WITH WASD "CONSTRUCTION SPECIFICATIONS FOR DONATION OF WATER MAINS."
7. ALL EXPOSED METALLIC THREADS SHALL BE PAINTED WITH BITUMASTIC PAINT.

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY DETAIL

(2" & 4" - DOMESTIC SERVICE) N.T.S.



SEWER PROFILE

SCALE : HORIZ. 1" = 30'
VERT. 1" = 3'

DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.I.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
MAY 2, 2008

MCHARRYASSOCIATES
ARCHITECTURAL ENGINEERING PLANNING
Thomas M. Charrity, P.E. James M. Perry, P.E.
000182 AIC00086 00001862 000007



2780 SW DOUGLAS RD., SUITE 3C
MIAMI, FLORIDA 33133 305445-376
WWW.MCHARRY.COM



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
SEWER PROFILE
AND DETAILS
SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.
C-11



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
EB-0003255
FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

HEALTH DEPARTMENT NOTES

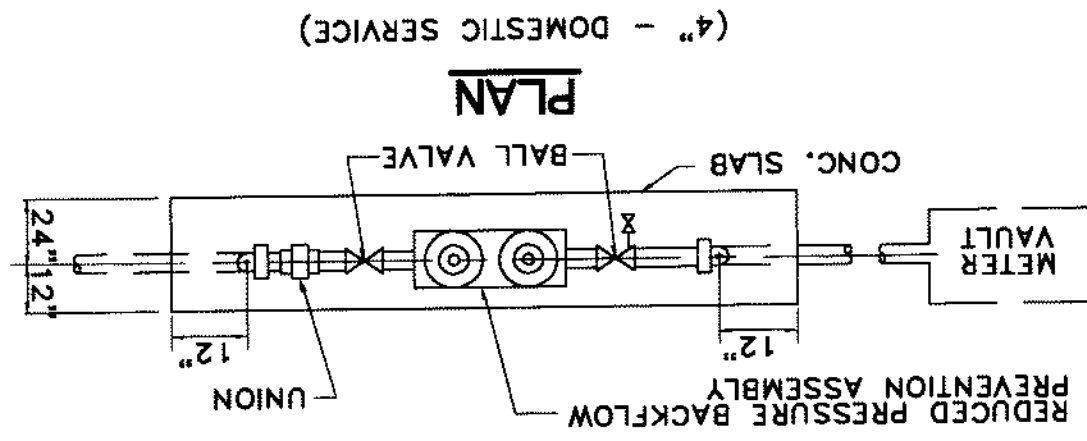
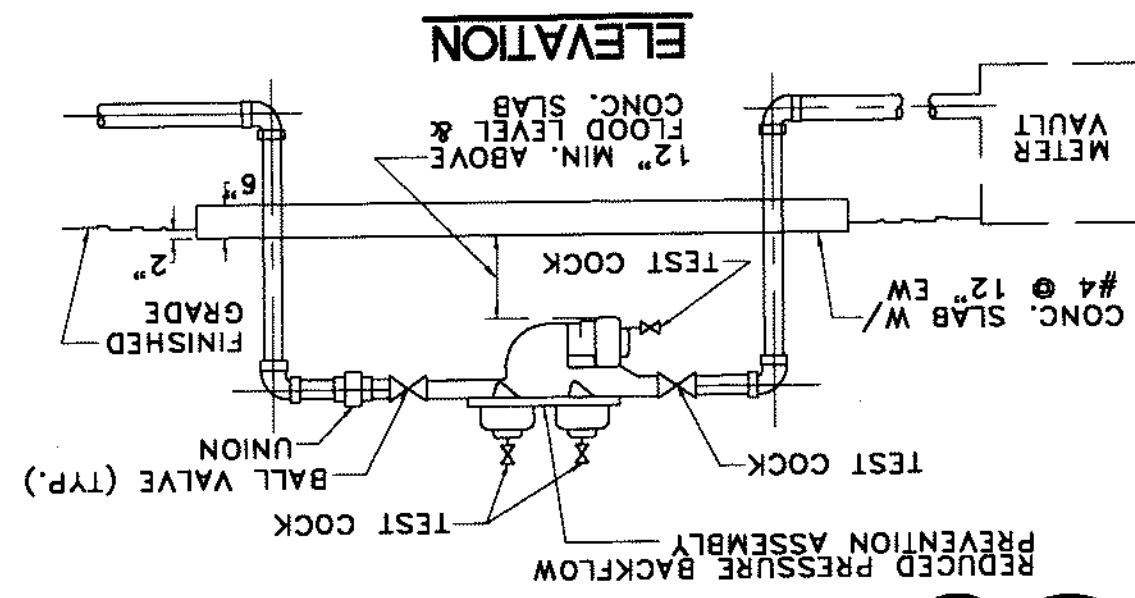
WATER MAIN HORIZONTAL SEPARATIONS

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT MINIMUM. BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FT. MINIMUM. GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER. 10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

WATER MAIN VERTICAL SEPARATIONS

SEPARATIONS BETWEEN WATER MAINS AND GAVITY SEWER,
VACUUM TYPE SEWER, OR STORM SEWERS, TO BE PREFERABLY 12
INCHES, OR AT LEAST 6 INCHES ABOVE, OR AT LEAST 12 INCHES
IF BELOW.*

* NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM PRESSURE MAINS; AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR WATER.



NOTES

1. THE ASSEMBLY SHALL BE INSTALLED WITH MINIMUM HORIZONTAL CLEARANCES OF 30 INCHES FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
2. GUARD POST SHALL BE INSTALLED IF THE ASSEMBLY IS EXPOSED TO POSSIBLE DAMAGE FROM VEHICULAR TRAFFIC, AS DETERMINED BY THE DEPARTMENT, OR THE WASHD INSPECTOR.
3. THE ASSEMBLY SHALL BE INSTALLED IN ACCESSIBLE LOCATION, APPROVED BY THE DEPARTMENT AND THE WASHD INSPECTOR.
4. ADJUSTABLE PIPE SADDLE SUPPORT (GRINNELL FIG. 264, OR EQUIVA) SIZED TO FIT CURVATURE OF DOUBLE DETECTOR CHECK VALVE ASSEMBLY, WITH GALVANIZED STEEL PIPE AND FLOOR FLANGE, ATTACH FLOOR FLANGE TO CONCRETE SLAB WITH GALVANIZED EXPANSION BOLTS.
5. THE DEPARTMENT SHALL HAVE UNRESTRICTED AND CONTINUOUS ACCESS TO THE VACUUM BREAKER ASSEMBLY.
6. PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH GALVANIZED IRON THREADED FITTINGS. PIPING 2-1/2" AND LARGER SHALL BE IN ACCORDANCE WITH WASO "CONSTRUCTION SPECIFICATIONS FOR DONATION OF WATER MAINS."
7. ALL EXPOSED METALLIC THREADS SHALL BE PAINTED WITH BITUMASTOIC PAINT.

REDUCED PRESSURE BACKFLOW
PREVENTION ASSEMBLY DETAIL

(2" & 4" - DOMESTIC SERVICE) N.T.S.



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 144th STREET
MIAMI, FLORIDA 33176
SUITE 100
(305) 378-9555
FAX 305-378-9555

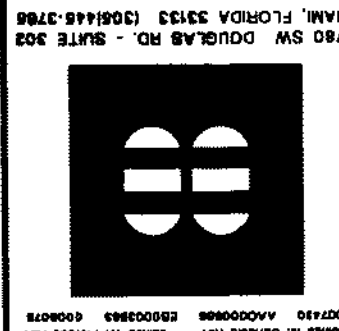
MAY 02, 2008 PERMIT SET

DRAWING TITLE

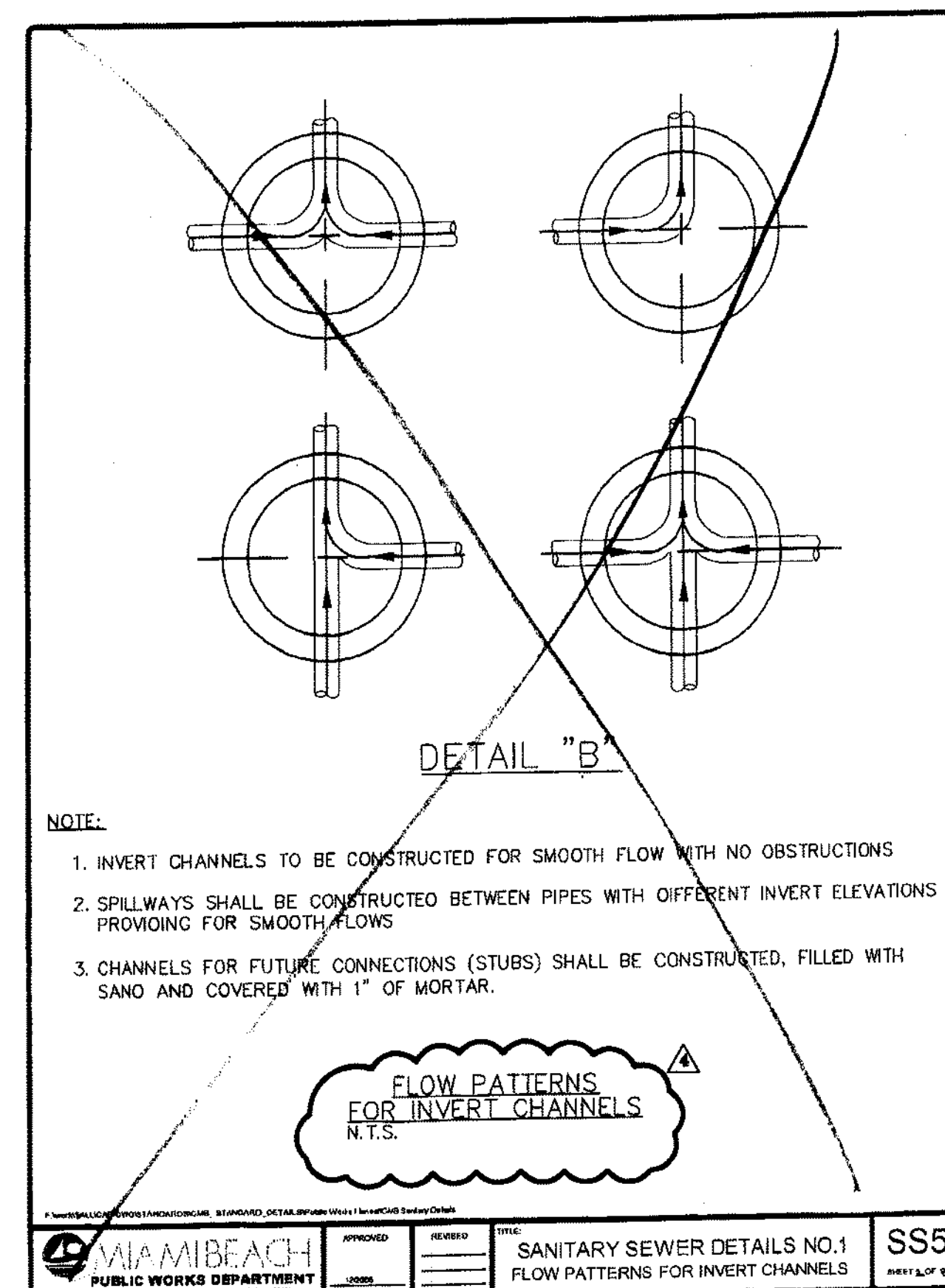
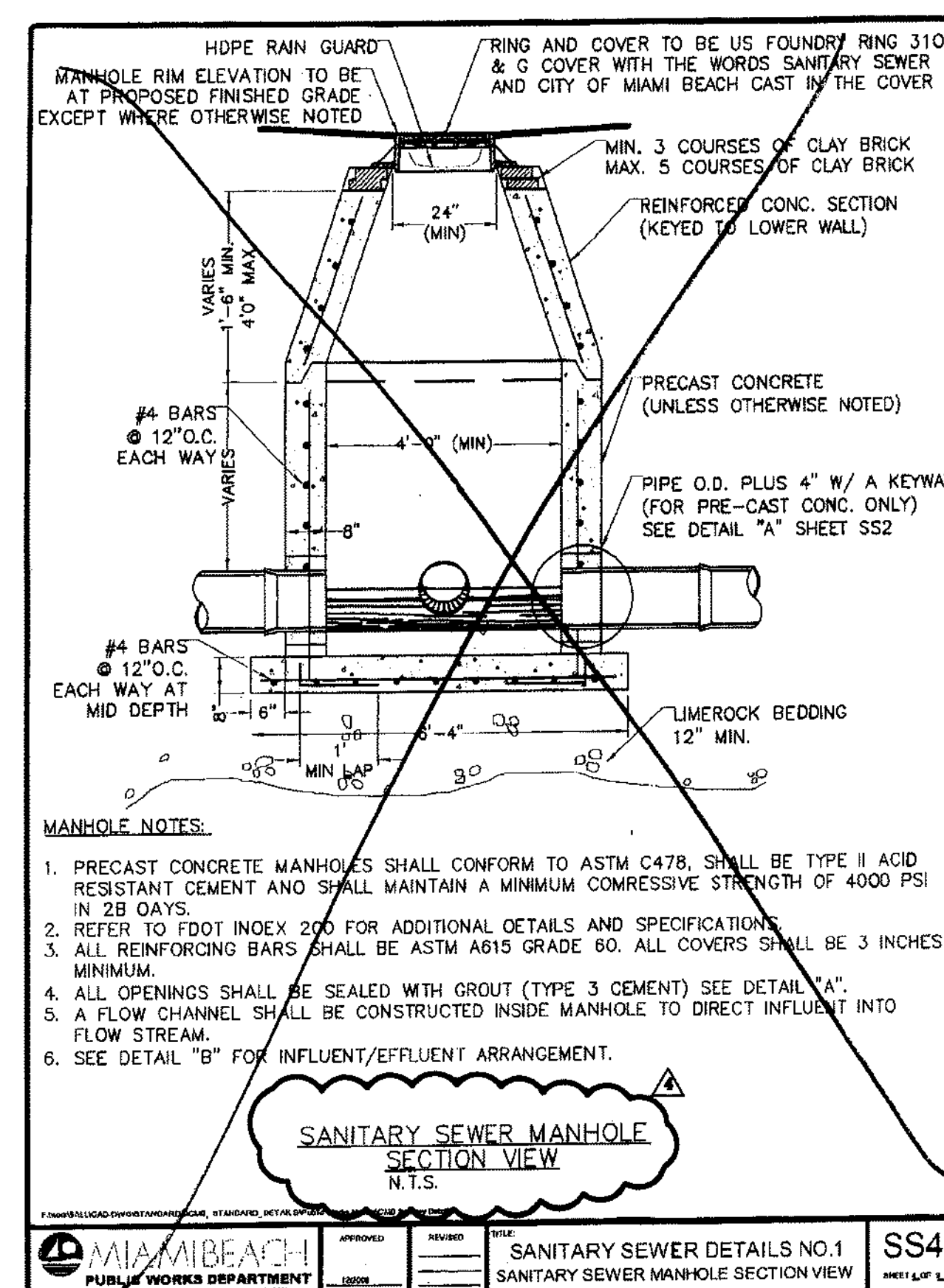
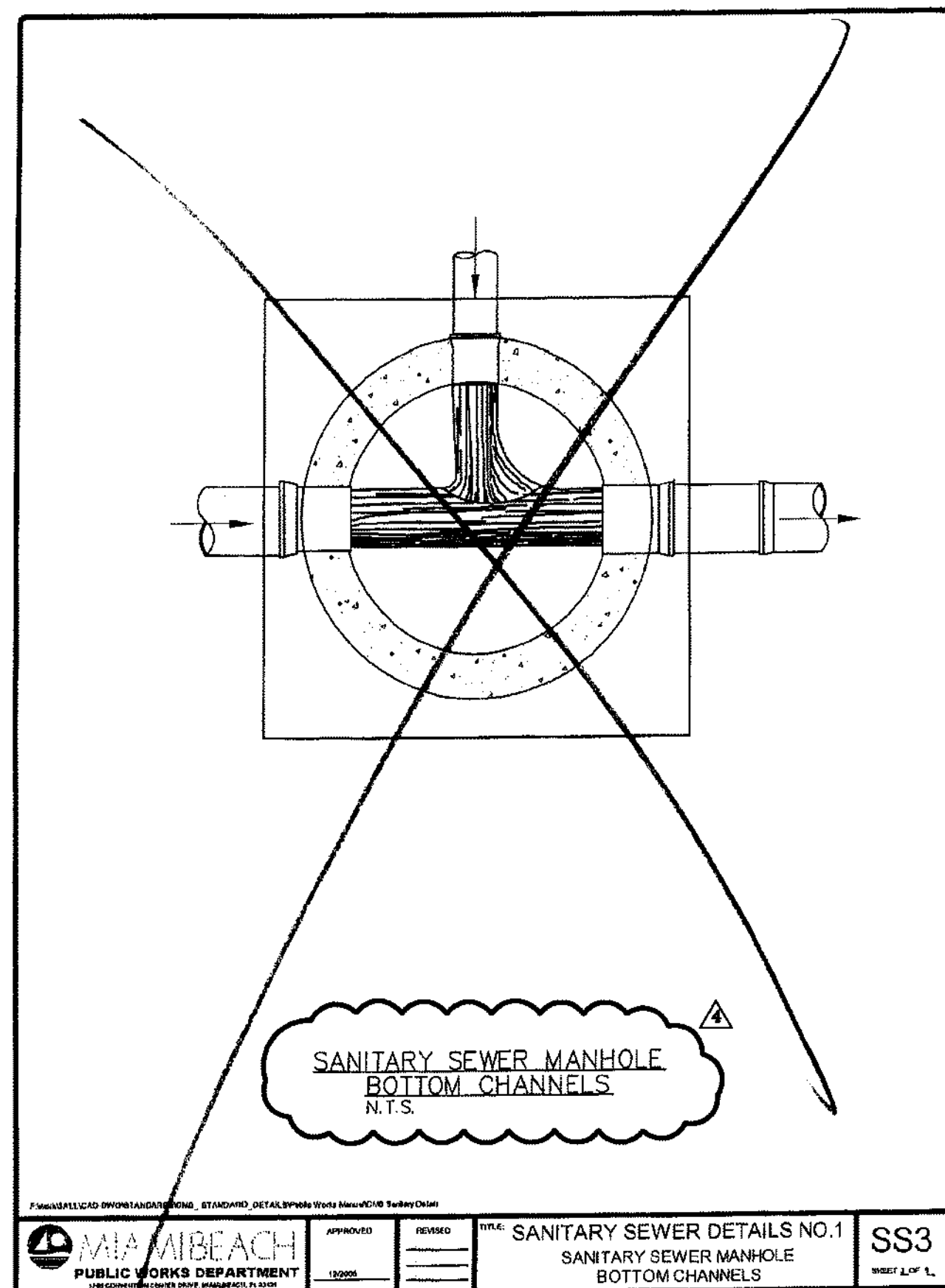
SEWER PROFILE AND DETAILS

C-11

PROJECT TITLE	COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA
OWNER:	CITY OF MIAMI BEACH



DRAWN BY: S.O.	CHKD BY: N.H.O. / B.F.P.	APP'D BY: R.B.B.	ISSUE DATE: NOV 08, 2007	NO. REVISIONS:	3	NOVEMBER 19, 2008	4	AUGUST 15, 2008	3	MAY 2, 2008
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HEALTH DEPARTMENT NOTES

WATER MAIN HORIZONTAL SEPARATIONS

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT. MINIMUM.

BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FT. MINIMUM.

GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT. AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.

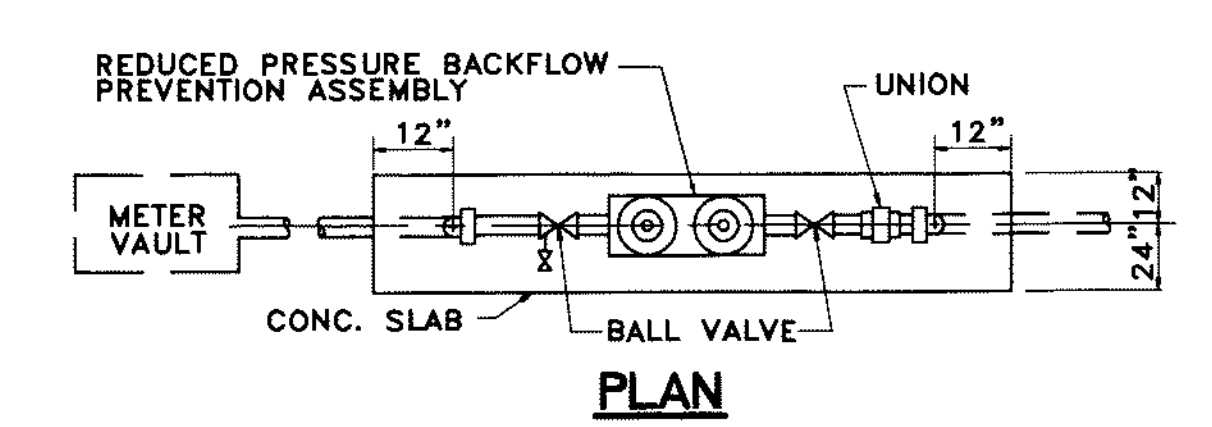
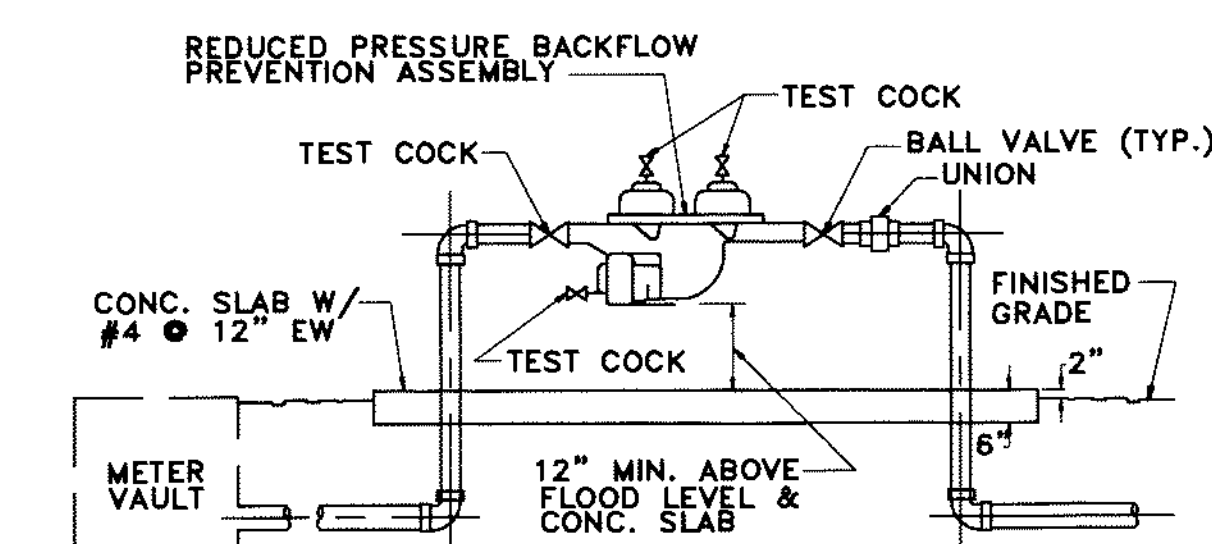
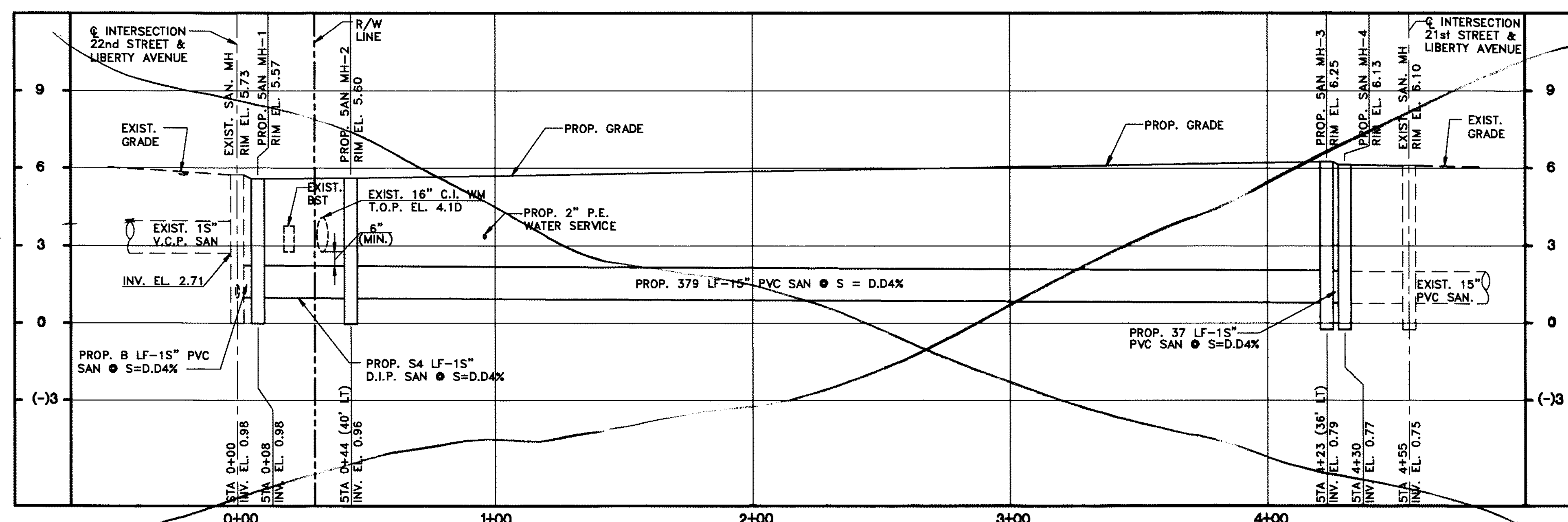
10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

WATER MAIN VERTICAL SEPARATIONS

SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER, OR STORM SEWERS, TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW.*

PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.*

* NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.

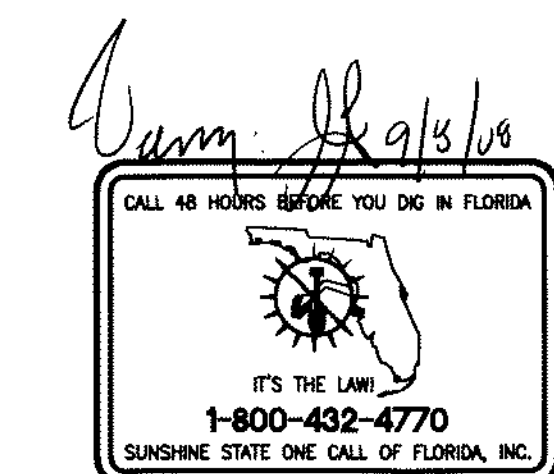


NOTES

1. THE ASSEMBLY SHALL BE INSTALLED WITH MINIMUM HORIZONTAL CLEARANCES OF 30 INCHES FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
2. GUARD POST SHALL BE INSTALLED IF THE ASSEMBLY IS EXPOSED TO POSSIBLE DAMAGE FROM VEHICULAR TRAFFIC, AS DETERMINED BY THE DEPARTMENT, OR THE WASD INSPECTOR.
3. THE ASSEMBLY SHALL BE INSTALLED IN ACCESSIBLE LOCATION, APPROVED BY THE DEPARTMENT AND THE WASD INSPECTOR.
4. ADJUSTABLE PIPE SADDLE SUPPORT (GRINNELL FIG. 264, OR EQUAL) SIZED TO FIT CURVATURE OF DOUBLE DETECTOR CHECK VALVE ASSEMBLY, WITH GALVANIZED STEEL PIPE AND FLOOR FLANGE. ATTACH FLOOR FLANGE TO CONCRETE SLAB WITH GALVANIZED EXPANSION BOLTS.
5. THE DEPARTMENT SHALL HAVE UNRESTRICTED AND CONTINUOUS ACCESS TO THE VACUUM BREAKER ASSEMBLY.
6. PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH GALVANIZED MALLEABLE IRON THREADED FITTINGS. PIPING 2-1/2" AND LARGER SHALL BE IN ACCORDANCE WITH WASD "CONSTRUCTION SPECIFICATIONS FOR DONATION OF WATER MAINS."
7. ALL EXPOSED METALLIC THREADS SHALL BE PAINTED WITH BITUMASTIC PAINT.

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY DETAIL

(2" & 4" - DOMESTIC SERVICE) N.T.S.



CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148th STREET SUITE 100
MIAMI, FLORIDA 33176 (305) 378-5555
E8-0003225

FOR THE FIRM:
RICHARD B. BOCHNOVICH PE-19833 (CIVIL)

MAY 02, 2008 PERMIT SET

SEWER PROFILE AND DETAILS

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER:
CITY OF MIAMI BEACH

SHEET NO.

C-11

HEALTH DEPARTMENT NOTES

WATER MAIN HORIZONTAL SEPARATIONS

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT. MINIMUM.

BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FT. MINIMUM.

GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT. AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.

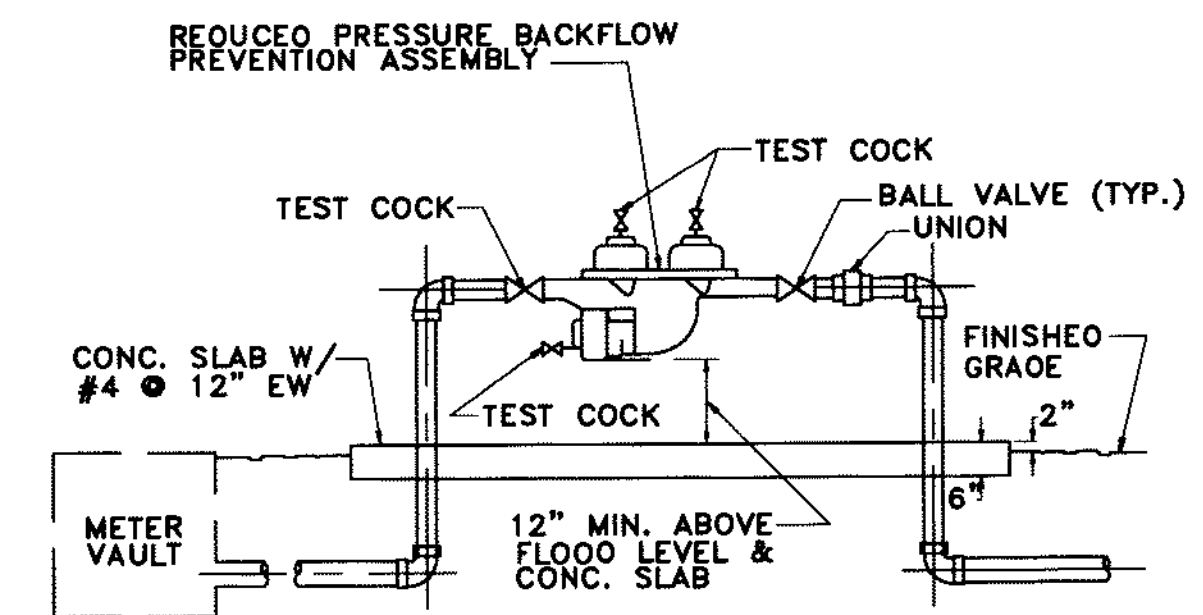
10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

WATER MAIN VERTICAL SEPARATIONS

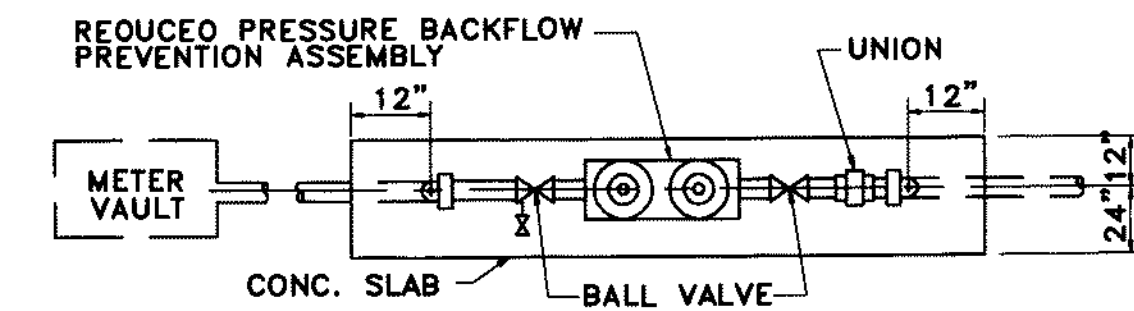
SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER, OR STORM SEWERS, TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW.*

PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.*

* NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.



ELEVATION



PLAN

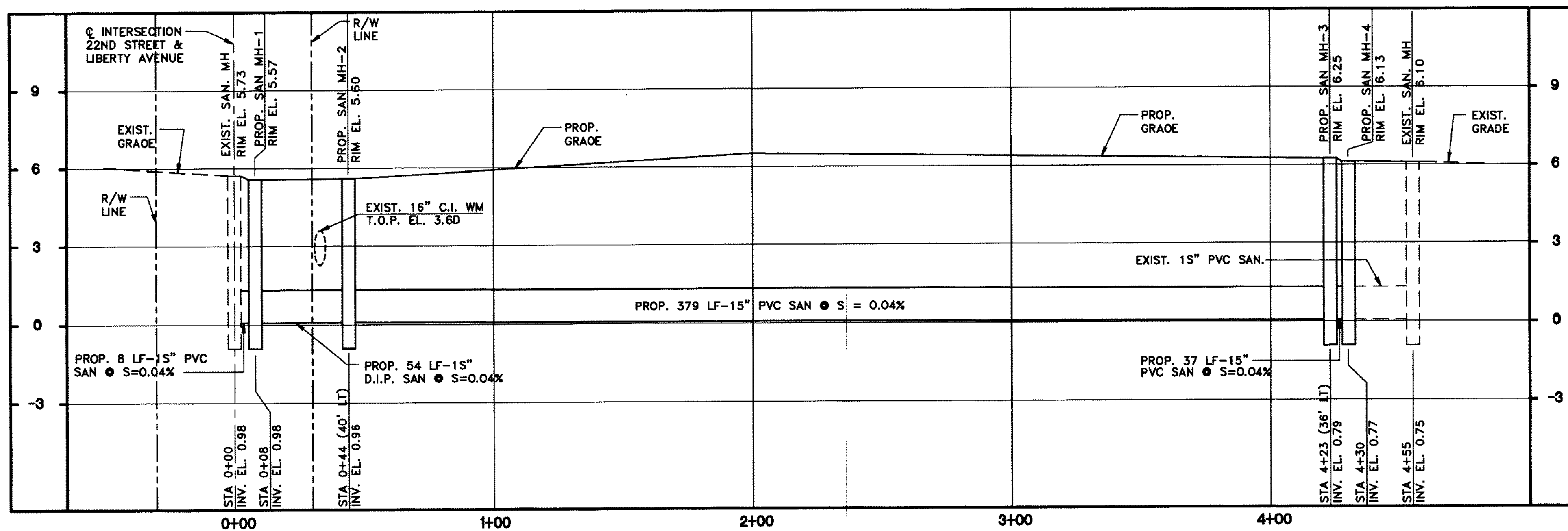
(4" - DOMESTIC SERVICE)

NOTES

1. THE ASSEMBLY SHALL BE INSTALLED WITH MINIMUM HORIZONTAL CLEARANCES OF 30 INCHES FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
2. GUARD POST SHALL BE INSTALLED IF THE ASSEMBLY IS EXPOSED TO POSSIBLE DAMAGE FROM VEHICULAR TRAFFIC, AS DETERMINED BY THE DEPARTMENT, OR THE WASO INSPECTOR.
3. THE ASSEMBLY SHALL BE INSTALLED IN ACCESSIBLE LOCATION, APPROVED BY THE DEPARTMENT AND THE WASO INSPECTOR.
4. ADJUSTABLE PIPE SADDLE SUPPORT (GRINNELL FIG. 264, OR EQUAL) SIZED TO FIT CURVATURE OF DOUBLE DETECTOR CHECK VALVE ASSEMBLY, WITH GALVANIZED STEEL PIPE AND FLOOR FLANGE. ATTACH FLOOR FLANGE TO CONCRETE SLAB WITH GALVANIZED EXPANSION BOLTS.
5. THE DEPARTMENT SHALL HAVE UNRESTRICTED AND CONTINUOUS ACCESS TO THE VACUUM BREAKER ASSEMBLY.
6. PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH GALVANIZED FLANGES AND IRON THREADED FITTINGS. PIPING 3" AND LARGER SHALL BE IN ACCORDANCE WITH WASD CONSTRUCTION SPECIFICATIONS FOR DOMESTIC WATER MAINS.
7. ALL EXPOSED METALLIC THREADS SHALL BE PAINTED WITH BITUMASTIC PAINT.

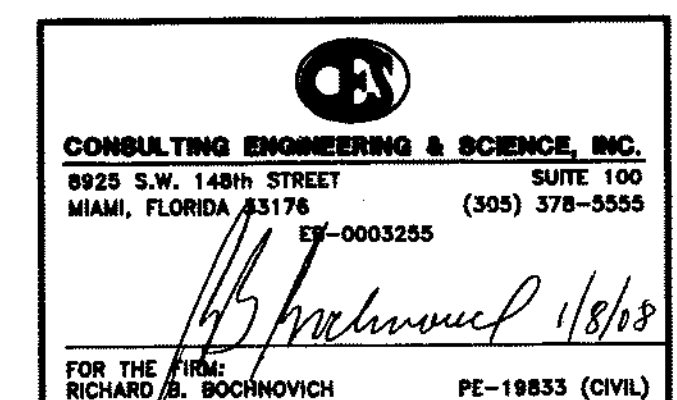
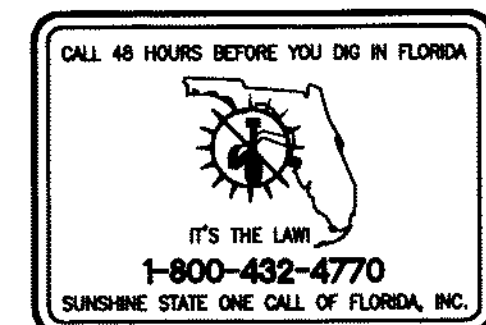
REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY DETAIL

(2" & 4" - DOMESTIC SERVICE) N.T.S.



SEWER PROFILE

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'

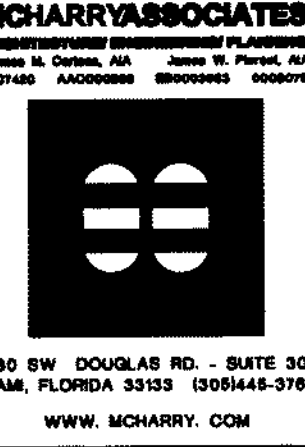


NOV 08, 2007 PERMIT SET

SEWER PROFILE
AND DETAILS

C-11

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH



DRAWN BY: S.D.
CHKD BY: N.H.O. / B.F.P.
APP'D BY: R.B.B.
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES

A. GENERAL NOTES

- ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS 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 BE PROTECTED FROM SILTATION AS DETAILED IN THE FOOT STANDARDS.
- ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH FDEP NPDES REQUIREMENTS. THE CONTRACTOR MUST ENSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
- ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
- CONTRACTOR'S SUBMITTALS:
THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE FOLLOWING ITEMS TO FDEP IN ORDER FOR THE NPDES PERMIT TO BE PROCESSED:
 - IF THIS SWPPP IS ADOPTED BY THE CONTRACTOR, THE SWPPP SHEETS AND OTHER PLAN SHEETS SHALL BE INCLUDED BY REFERENCE IN THE NOTICE OF INTENT (NOI) SUBMITTAL. THE CONTRACTOR MAY ELECT TO SUBMIT A REVISED SWPPP THAT IS IN COMPLIANCE WITH THE STORM WATER REGULATIONS AT 40 CFR 122.26(b)(14) AND STATE WATER QUALITY STANDARDS.
 - SIGNED CONTRACTOR CERTIFICATION FORMS (2). THESE FORMS MUST BE SIGNED BY BOTH THE PRIME CONTRACTOR AND SUB-CONTRACTOR (IF APPLICABLE) PERFORMING SOIL-DISTURBING ACTIVITIES.
 - HAZARDOUS MATERIAL SPILL CONTROL PLAN.
 - STAGING AREAS, STOCKPILE LOCATIONS AND STABILIZATION PRACTICES.
 - BRIDGE CONSTRUCTION METHOD AND SEQUENCING.
 - DEWATERING PLAN (IF APPLICABLE).
- NO SOIL DISTURBING ACTIVITIES CAN BE CONDUCTED UNTIL THE NPDES PACKAGE HAS BEEN MAILED TO THE FDEP. THE CONTRACTOR'S MODIFIED SWPPP MUST ALSO RECEIVE APPROVAL FROM FDOT PERMITS OFFICE PRIOR TO IMPLEMENTATION.
- 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 FROM OTHER AREAS.
- CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN "SECTION 104" FDOT STANDARDS SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION.
- STOCKPILED MATERIALS SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER AND/OR OTHER APPROPRIATE EROSION CONTROL MEASURES.
- 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 MUNICIPALLY SEPARATE STORM SEWER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES SHALL HAVE EROSION CONTROLS PROVIDED FOR THOSE INLETS.
- THE AGGREGATE LAYER OF ALL CONSTRUCTION ENTRANCE GRAVEL BEDS MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET. THE ENTRANCE MUST WIDEN AT ITS CONNECTION TO THE ROADWAY IN ORDER TO ACCOMMODATE THE TURNING RADIUS OF LARGE TRUCKS.

B. SITE DESCRIPTION

- CONSTRUCTION ACTIVITY:

DRAINAGE, UTILITY AND SIDEWALK INSTALLATION, AND PARKING LOT MODIFICATION.

PROJECT LIMITS:

ON THE NORTH BY 22nd STREET, ON THE SOUTH BY 21st STREET, ON THE WEST BY PARK AVENUE AND ON THE EAST BY THE ATLANTIC OCEAN.

PROJECT DESCRIPTION:

LAND DEVELOPMENT AT THE COLLINS PARK CULTURAL CAMPUS PROJECT SITE WILL INCLUDE THE CONSTRUCTION OF NEW SIDEWALKS AND MODIFICATIONS TO THIS EXISTING PARKING LOT. THE PROPOSED DRAINAGE SYSTEM WILL CONSIST OF EXFILTRATION TRENCHES AND DRY RETENTION SWALES.
- MAJOR SOIL DISTURBING ACTIVITIES:

REMOVAL OF EXISTING PAVEMENT, EXCAVATION FOR STORMWATER FACILITIES AND OTHER UTILITIES, GRADING FOR RETENTION AREAS, EXCAVATION AND REPLACEMENT WITH FILL IN AREA OF SOLID WASTE MATERIAL.
- TOTAL PROJECT AREA: 4.09 ACRES (WEST SIDE OF COLLINS AVENUE)
3.31 ACRES (EAST SIDE OF COLLINS AVENUE)
- LOCATIONS OF ON-SITE DRAINAGE AREAS:

SEE ATTACHED PLAN.
- THE DRAINAGE SYSTEM FOR THIS PROJECT IS A CLOSED SYSTEM WITH NO DIRECT DISCHARGE TO ADJACENT SURFACE WATERS. HOWEVER, RECEIVING WATERS IN THE EVENT OF A MAJOR STORM EVENT WILL BE ATLANTIC OCEAN, LATITUDE AND LONGITUDE 25°47'45.35" N/80°07'30.54" W.
- AREA OF DISCHARGE FOR THIS PROJECT IS 7.40 ACRES = 322,344 SF.
- SOILS ARE CLASSIFIED AS URBAN LANDS AND QUALITY OF DISCHARGE IS LIMESTONE FILL AND SAND.
- LATITUDE AND LONGITUDE OF DIRECT DISCHARGE POINT IS NOT APPLICABLE SINCE THIS IS A CLOSED SYSTEM WITH NO DIRECT DISCHARGE TO ADJACENT SURFACE WATERS. HOWEVER, LATITUDE AND LONGITUDE OF THIS PROJECT AS INDICATED IN THE NOI IS 25°47'49.54" N/80°07'44.07" W AND LATITUDE AND LONGITUDE OF THE ATLANTIC OCEAN IS 25°47'45.35" N/80°07'30.54" W.

C. CONTROLS

NARRATIVE — SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS.

CONSTRUCTION OF THE COLLINS PARK CULTURAL CAMPUS PROJECT, DRAINAGE SYSTEM INCLUDING EXFILTRATION TRENCHES AND DRY RETENTION SWALES IS BOUNDED BETWEEN 22nd STREET ON THE NORTH, 21st STREET ON THE SOUTH, PARK AVENUE ON THE WEST, AND ATLANTIC OCEAN ON THE EAST.

PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, ALL EROSION CONTROLS MUST BE IMPLEMENTED.

TEMPORARY STABILIZATION:
DISTURBED PORTIONS OF THE SITE (E.G. EMBANKMENT AT TEMPORARY RAMPS) WHERE CONSTRUCTION ACTIVITY CEASES FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SOO OR TEMPORARY SEEDING AND MULCHING NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.

PERMANENT STABILIZATION:
DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH SOO NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

1. EROSION AND SEDIMENT CONTROLS:

- (1) STABILIZATION PRACTICES:
- ☒ TEMPORARY SODDING
 - ☒ TEMPORARY GRASSING
 - ☒ PERMANENT SODDING, SEEDING OR SEED & MULCH
 - ☒ TEMPORARY MULCHING
 - ☐ ARTIFICIAL COVERING
 - ☐ BUFFER ZONES
 - ☐ PRESERVATION OF NATURAL RESOURCES

OTHER:

- (2) STRUCTURAL PRACTICES:
- ☒ SAND BAGGING
 - ☒ SILT FENCES
 - ☒ ROCK BAGS
 - ☒ BERMS
 - ☒ DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
 - ☐ PIPE SLOPE DRAINS
 - ☐ FLUMES
 - ☒ ROCK BEDDING AT CONSTRUCTION EXIT
 - ☒ TIMBER BEDDING AT CONSTRUCTION EXIT
 - ☒ DITCH LINER
 - ☒ SEDIMENT TRAPS (DURING DE-WATERING)
 - ☒ SEDIMENT BASINS
 - ☒ STORM INLET SEDIMENT TRAP
 - ☐ STONE OUTLET STRUCTURES
 - ☒ CURBS AND GUTTERS
 - ☒ STORM SEWERS
 - ☐ VELDCITY CONTROL DEVICES
 - ☐ TURBIDITY BARRIER
 - ☐ RIP RAP

2. DESCRIPTION OF STORM WATER MANAGEMENT:

THE STORMWATER MANAGEMENT SYSTEM CONSISTS OF CATCH BASINS, AND STORM SEWERS THAT CONVEY STORMWATER INTO THE SWALES AND EXFILTRATION TRENCHES THAT TREAT THE WATER QUALITY AND WATER QUANTITY REQUIREMENT.

3. OTHER CONTROLS

(1) WASTE DISPOSAL:
IN APPROVED OFFSITE AREAS PROVIDED BY THE CONTRACTOR.

- (2) OFFSITE VEHICLE TRACKING:
- ☒ HAUL ROADS DAMPENED FOR DUST CONTROL
 - ☒ LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
 - ☒ EXCESS DIRT ON ROAD REMOVED DAILY
 - ☒ STABILIZED CONSTRUCTION ENTRANCE

OTHER:

(3) SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION OF A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

(4) FERTILIZERS AND PESTICIDES:
FERTILIZER TO BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. IF STORED ON-SITE, STORAGE WILL BE IN COVERED SHED. THE CONTENT OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEPARATE PLASTIC BIN TO AVOID SPILLS.

(5) NON-STORM WATER DISCHARGE (INCLUDING SPILL REPORTING)
THE CONTRACTOR IS RESPONSIBLE FOR REPORTING SPILLS TO MIAMI-DADE COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM).

REMARKS:
IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED OR HAZARDOUS SPILLS OCCUR DURING CONSTRUCTION, THE MIAMI-DADE COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM) SHALL BE CONTACTED.

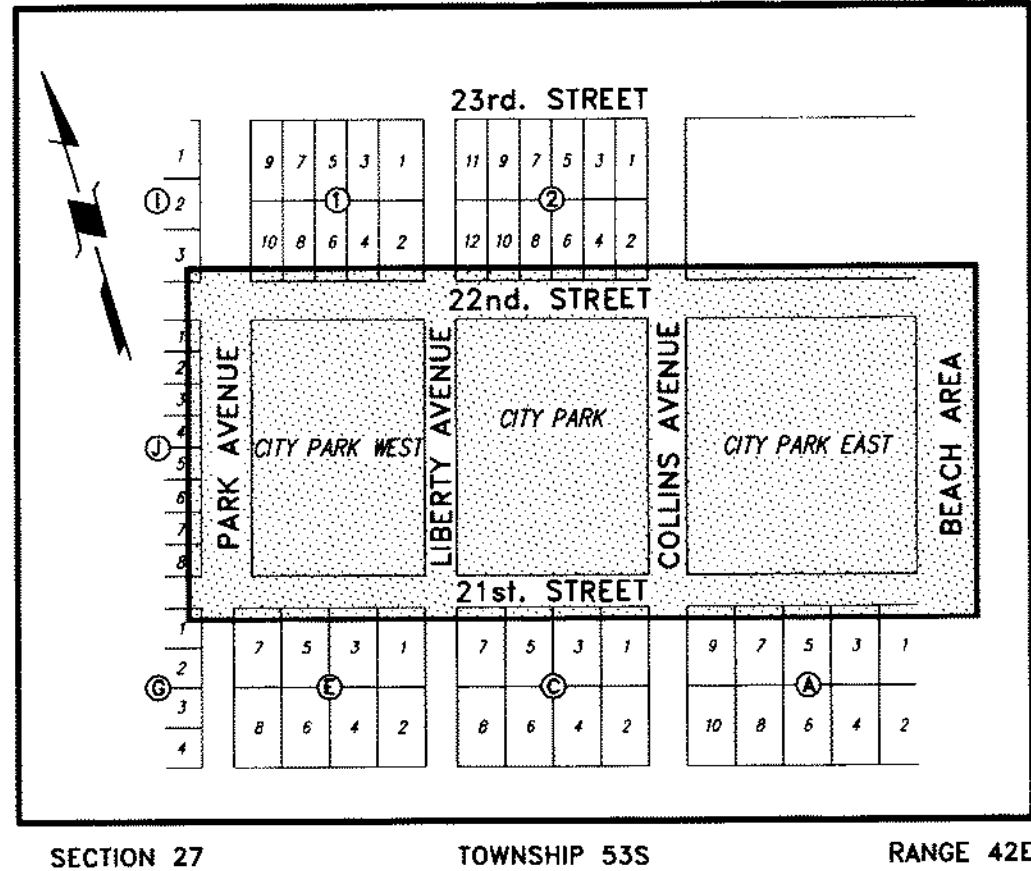
4. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS:
CITY OF MIAMI BEACH, AND MIAMI-DADE COUNTY DERM.

D. MAINTENANCE

ITEM: SILT FENCE ROCK BAGS	MAINTENANCE: ALL CONTROLS SHALL BE MAINTAINED IN PROPER WORKING ORDER AT ALL TIMES DURING CONSTRUCTION. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF BEING NOTED IN CONTRACTOR'S DAILY INSPECTION REPORT.
CONSTRUCTION ENTRANCE GRAVEL BED	WHEN THE CONSTRUCTION ENTRANCE GRAVEL BEDS BECOME LOADED WITH SEDIMENTS, REWORK BEDS TO DISPLACE SEDIMENT LOAD AND RE-ESTABLISH EFFECTIVENESS OF THE GRAVEL BEDS.

E. INSPECTION

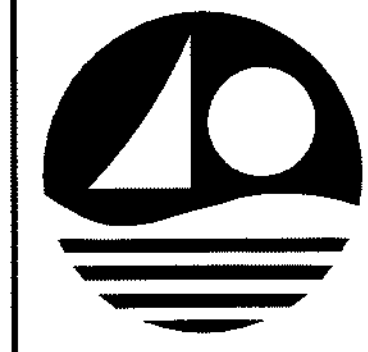
THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5" OR GREATER. IN ADDITION, A DAILY REVIEW OF THE LOCATION OF SILT FENCES SHALL BE MADE IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL OUTLINE AND DRAINAGE RUNOFF. IN ORDER TO INSURE THAT SILT FENCES AND OTHER EROSION CONTROL DEVICES ARE PROPERLY LOCATED FOR EFFECTIVENESS, A FORM ACCEPTABLE TO THE FDEP WILL BE USED TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. EACH INSPECTION REPORT SHALL BE SIGNED AND SUBMITTED WEEKLY TO THE PROJECT ENGINEER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF BEING NOTED IN CONTRACTOR'S INSPECTION REPORT.



LOCATION MAP
SCALE : 1" = 300'

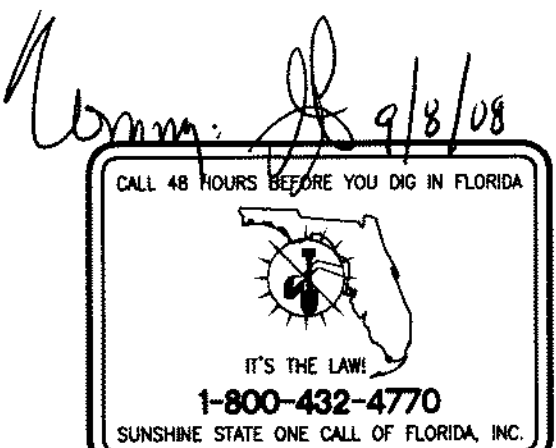
DRAWN BY:	S.D.
CHKD BY:	N.H.O. / B.F.P.
APPD BY:	R.B.B.
ISSUE DATE:	NOV 08, 2007
REVISIONS:	No. DATE
3	MAY 2, 2008

MCHARRYASSOCIATES ARCHITECTURAL ENGINEERING PLANNING Thomas H. Charras, AIA James W. Parson, AIA V.P. DESIGN ASSOCIATES DESIGNERS/PLANNERS
2740 SW DOUGLAS RD., SUITE 302 MIAMI, FLORIDA 33133 (305) 445-3766 WWW.MCHARRY.COM

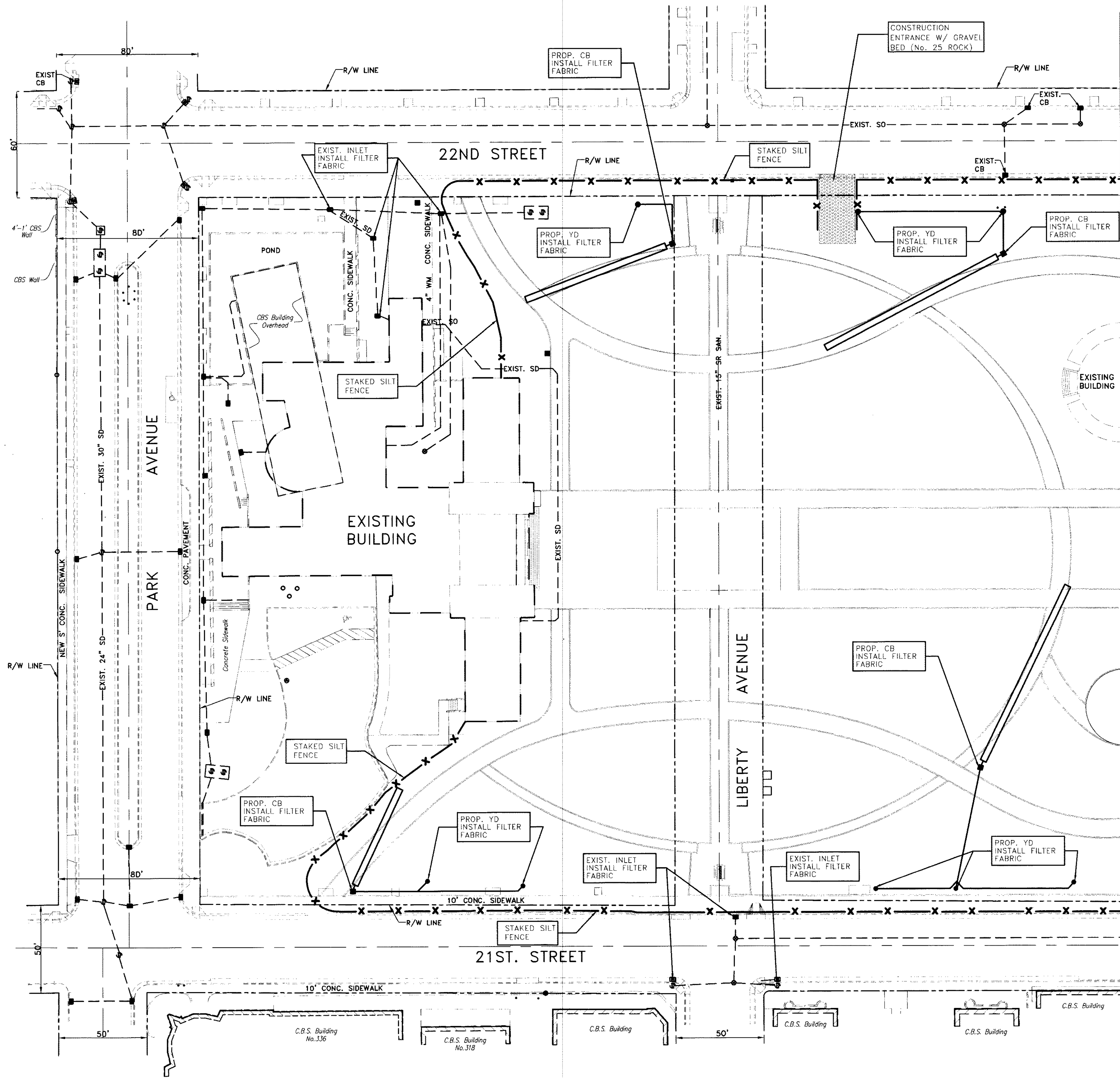


PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA	OWNER: CITY OF MIAMI BEACH
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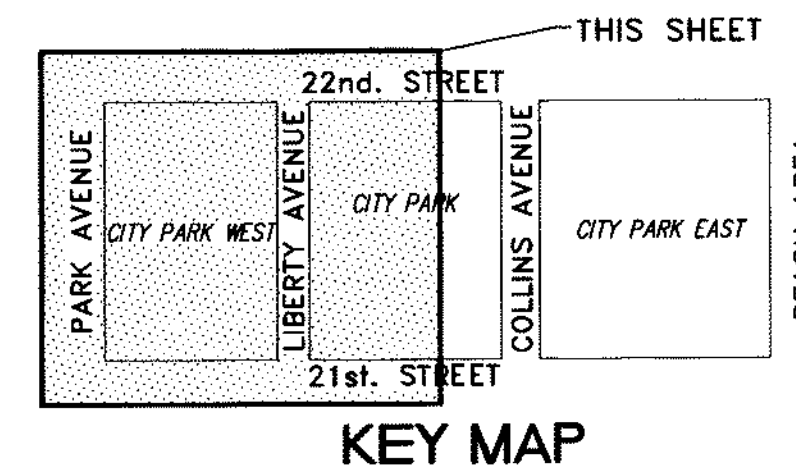
DRAWING TITLE: STORMWATER POLLUTION PREVENTION PLAN	SCALE: 1" = 30' NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK
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CONSULTING ENGINEERING & SCIENCE, INC. 8925 S.W. 148th STREET SUITE 100 MIAMI, FLORIDA 33176 (305) 378-5555 E8-0003255
FOR THE FIRM: RICHARD B. BOCHNOVICH PE-19833 (CIVIL)



MATCH LINE - SEE SHEET



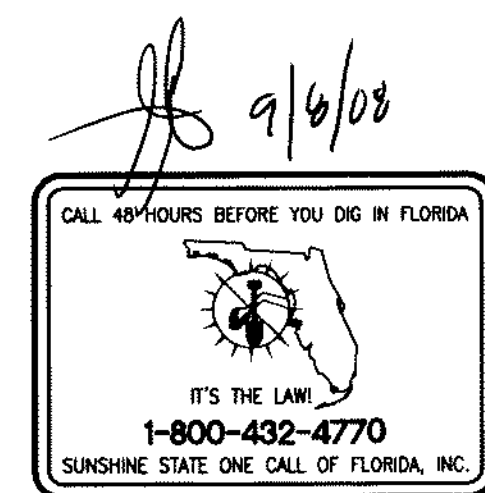
LEGEND

- GRAVEL BEO (No. 25 ROCK)
- STAKED SILT FENCE

- NOTES:
1. INSTALLATION OF ANY STAKED SILT FENCE SHALL BE IN ACCORDANCE WITH FOOT INDEX No. 102.
 2. INSTALLATION OF HAY BALES SHALL BE IN ACCORDANCE WITH FOOT INDEX No. 102.
 3. PLACEMENT OF ROCK BAGS SHALL BE IN ACCORDANCE WITH FDOT INDEX No. 102.

STORMWATER POLLUTION PREVENTION PLAN

SCALE : 1" = 30'



CONSULTING ENGINEERING & SCIENCE, INC.
 8925 S.W. 148th STREET SUITE 100
 MIAMI, FLORIDA 33176 (305) 378-5555
 EB-0003255

FOR THE FIRM:
 RICHARD B. BOCHNICH PE-19833 (CIVIL)

MAY 02, 2008 PERMIT SET

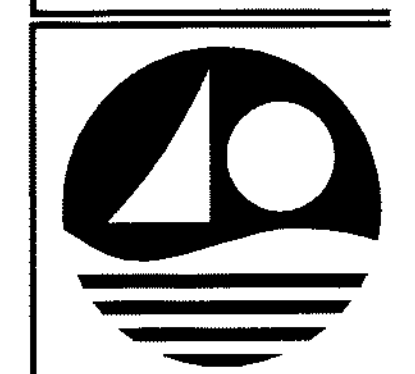
STORMWATER POLLUTION PREVENTION PLAN

PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETSCAPE
 MIAMI BEACH, FLORIDA
 OWNER:
 CITY OF MIAMI BEACH

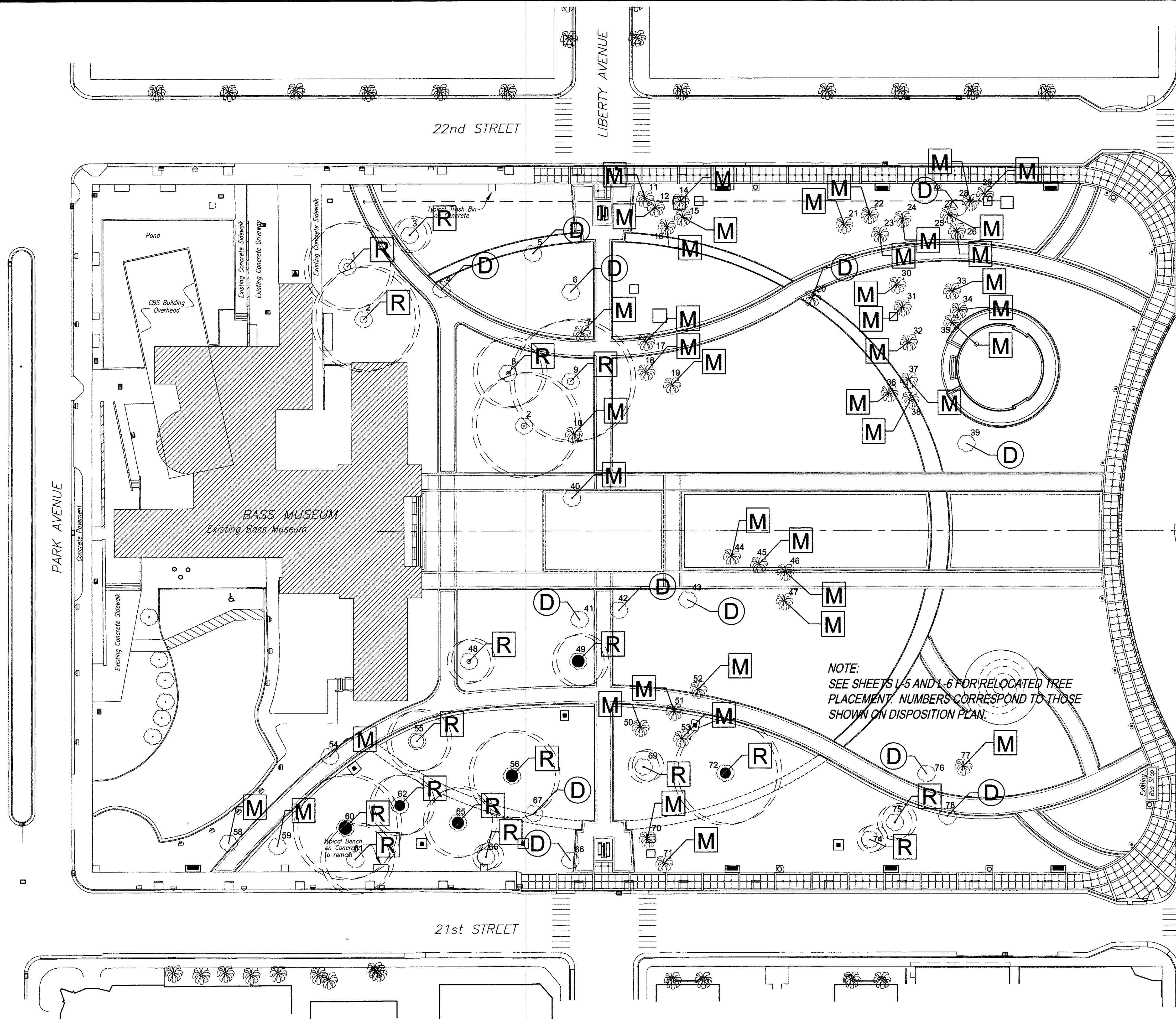
SHEET No.
 SWPPP-2

DRAWN BY: S.D.
 CHKD BY: N.H.O. / B.F.P.
 APP'D BY: R.B.B.
 ISSUE DATE:
 NOV 08, 2007
 REVISIONS:
 No. DATE
 MAY 2, 2008

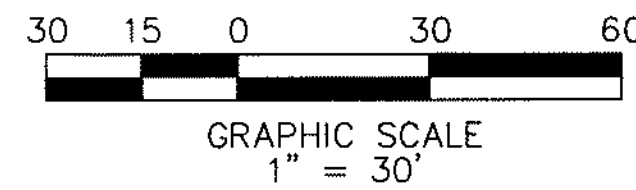
MCHARRY ASSOCIATES
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 WWW.MCHARRY.COM



N:\4000 Projects\4634-01 Collins Park\5- Documents (in Progress)\5-6-100% submission\10807\WRT-PLANTING-PLAN-CDs-110807.dwg, 11/14/2007 4:52:16 PM, DWG6 ePlot.pc3



NOTE:
SEE SHEETS L-5 AND L-6 FOR RELOCATED TREE
PLACEMENT. NUMBERS CORRESPOND TO THOSE
SHOWN ON DISPOSITION PLAN.

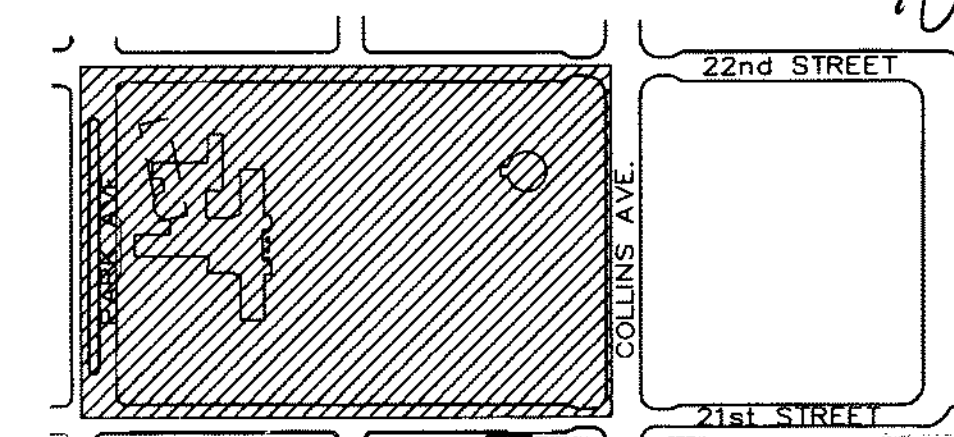


No.	Scientific Name	DBH (in)	Spread (ft)	Height (ft)	Clear Trunk (ft)	Disposition	Comments
1	Ficus aurea	8	50	40		Retain	
2	Calophyllum brasiliense	39	60	40		Retain	
3	Conocarpus erectus-sericeus	9	21	20	25	Retain	Prune Damaged Limbs
4	Bursera simaruba	12	20	25		Remove	Storm Damage, Conflict with Site Plan
5	Ficus aurea	15	19	25	25	Remove	Storm Damage, Conflict with Site Plan
6	Acacia sp.	19	25	25		Remove	Storm Damage
7	Sabal causerianum	20	8	30	25	Relocate	Relocate to designated location
8	Quercus virginiana	26	40	40		Retain	
9	Syzygium cumini	47	70	50		Retain	Prune Damaged Limbs
10	Phoenix canariensis	18	15	30	20	Remove	Poor Condition, Conflict with Site Plan
11	Sabal palmetto	10	8	18	15	Relocate	Relocate to designated location
12	Sabal palmetto	8	8	24	20	Relocate	Relocate to designated location
13	Gone						
14	Sabal palmetto	12	10	20	15	Relocate	Relocate to designated location
15	Sabal palmetto	10	6	20	18	Relocate	Relocate to designated location
16	Sabal palmetto	8	6	22	18	Relocate	Relocate to designated location
17	Sabal causerianum	21	26	35	30	Relocate	Relocate to designated location
18	Sabal causerianum	18	6	35	30	Relocate	Relocate to designated location
19	Sabal causerianum	18	10	32	28	Relocate	Relocate to designated location
20	Phoenix dactylifera	15	8	10	30	Remove	trunk circular, flat on ground, damaged
21	Sabal causerianum	20	6	38	30	Relocate	Relocate to designated location
22	Sabal causerianum	18	6	38	30	Relocate	Relocate to designated location
23	Sabal causerianum	21	6	45	30	Relocate	Relocate to designated location
24	Sabal causerianum	19	6	38	30	Relocate	Relocate to designated location
25	Sabal palmetto	8	10	40	35	Relocate	Relocate to designated location
26	Sabal palmetto	10	10	40	35	Relocate	Relocate to designated location
27	Conocarpus erectus-sericeus	30	8	20	20	Remove	Storm Damage
28	Sabal palmetto	10	10	40	35	Relocate	Relocate to designated location
29	Sabal palmetto	8	10	40	35	Relocate	Relocate to designated location
30	Sabal causerianum	21	6	38	30	Relocate	Relocate to designated location
31	Sabal causerianum	21	6	40	30	Relocate	Relocate to designated location
32	Sabal causerianum	18	6	32	25	Relocate	Relocate to designated location
33	Sabal palmetto	10	12	48	40	Relocate	Relocate to designated location
34	Sabal palmetto	12	6	38	30	Relocate	Relocate to designated location
35	Sabal palmetto	12	12	38	30	Relocate	Relocate to designated location
36	Sabal palmetto	8	10	38	32	Relocate	Relocate to designated location
37	Sabal palmetto	8	12	36	30	Relocate	Relocate to designated location
38	Sabal palmetto	10	12	36	30	Relocate	Relocate to designated location
39	Coccoloba uvifera	20	25	40		Remove	Storm Damage, Conflict with Site Plan
40	Quercus virginiana	21	45	30		Relocate	Relocate to designated location
41	Bucida buceras	26	30	40		Remove	Storm Damage, Conflict with Site Plan
42	Bucida buceras	25	25	40		Remove	Storm Damage, Conflict with Site Plan
43	Bucida buceras	32	35	40		Remove	Storm Damage, Conflict with Site Plan
44	Sabal causerianum	26	6	50	40	Relocate	Relocate to designated location
45	Sabal causerianum	24	6	42	35	Relocate	Relocate to designated location
46	Sabal causerianum	22	6	38	30	Relocate	Relocate to designated location
47	Sabal causerianum	22	6	38	30	Relocate	Relocate to designated location
48	Delonix regia	14	25	25		Retain	
49	Adansonia digitata	85	30	70		Retain	
50	Sabal causerianum	22	6	45	35	Relocate	Relocate to designated location
51	Sabal causerianum	22	6	40	30	Relocate	Relocate to designated location
52	Sabal causerianum	22	6	40	30	Relocate	Relocate to designated location
53	Sabal causerianum	20	6	45	30	Relocate	Relocate to designated location
54	Cordia sebestena	7	15	25		Relocate	Relocate to designated location
55	Kigelia pinnata	46	35	50		Retain	
56	Adansonia digitata	83	50	60		Retain	
57	Gone						
58	Cordia sebestena	5	10	12		Relocate	Relocate to designated location
59	Cordia sebestena	9	11	25	25	Relocate	Relocate to designated location
60	Adansonia digitata	89	60	70		Retain	
61	Coccoloba diversifolia	10	20	25		Retain	
62	Adansonia digitata	71	35	60		Retain	
63	Gone						
64	Gone						
65	Adansonia digitata	80	40	50		Retain	
66	Coccoloba diversifolia	10	15	25		Retain	
67	Ficus religiosa	26	40	50		Remove	Storm Damage, Conflict with Site Plan
68	Coccoloba diversifolia	12	12	20		Remove	Storm Damage
69	Cordia sebestena	13	16	20		Retain	
70	Sabal palmetto	15	10	30	25	Relocate	Relocate to designated location
71	Sabal palmetto	13	8	20	15	Relocate	Relocate to designated location
72	Adansonia digitata	115	60	70		Retain	
73	Gone						
74	Ilex krugiana	10	15	20		Retain	
75	Ilex krugiana	12	20	20		Retain	
76	Coccoloba uvifera	16	11	25	35	Remove	Storm Damage
77	Sabal palmetto	6	6	40	35	Relocate	Storm Damage, Conflict with Site Plan
78	Ilex krugiana	12	10	20		Remove	Storm Damage, Conflict with Site Plan

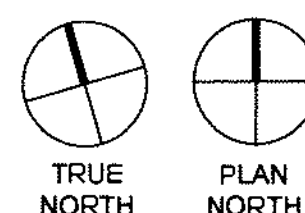
TREE INFORMATION
PREPARED BY LISA H. HAMMER, HORTICULTURAL CONSULTANT JAN. 2006

SYMBOL LEGEND

- R** TREES TO REMAIN
(SEE SPECS & SHEET L-10 FOR TREE PROTECTION)
- D** TREES TO BE REMOVED
- M** TREES TO BE RELOCATED
(SEE SHEETS L-5 & L-6 FOR PROPOSED LOCATIONS)



KEY PLAN
NTS



DRAWN BY: M. Cullen
CHKD BY: C. Steinbaum
APP'D BY: G. Marston
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
1 11/5/07

WRT Planning & Design
Wallace Roberts & Todd, LLC
150 Grand Avenue, Fort Lauderdale, FL 33304
Tel: 305.443.2700 Fax: 305.443.9431

GERALD C. MARSTON, FASLA
FL # 0008015
LANDSCAPE ARCHITECTURE

10807

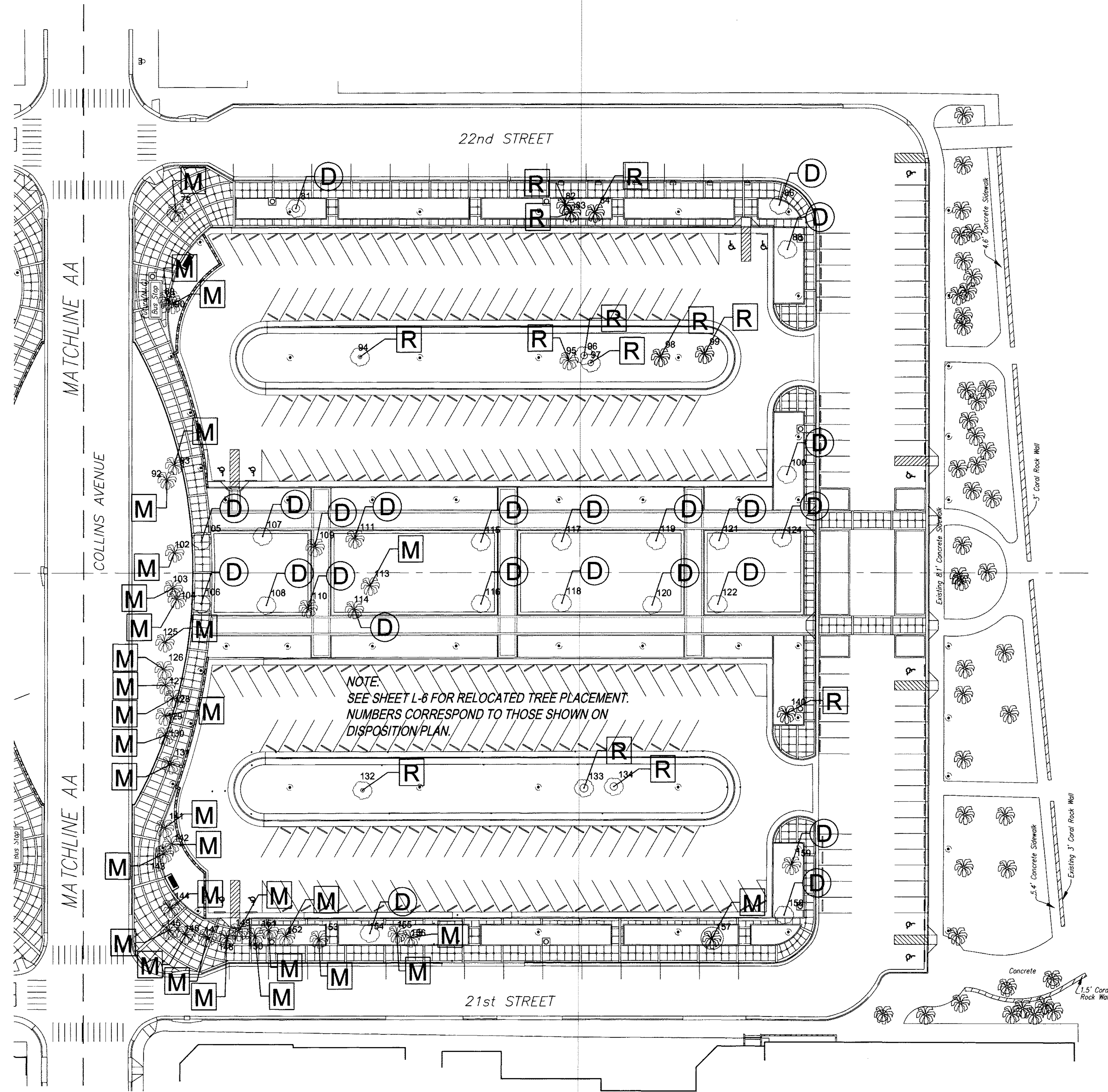


PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETScape
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
TREE DISPOSITION PLAN
SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
L-1

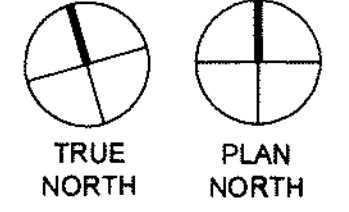
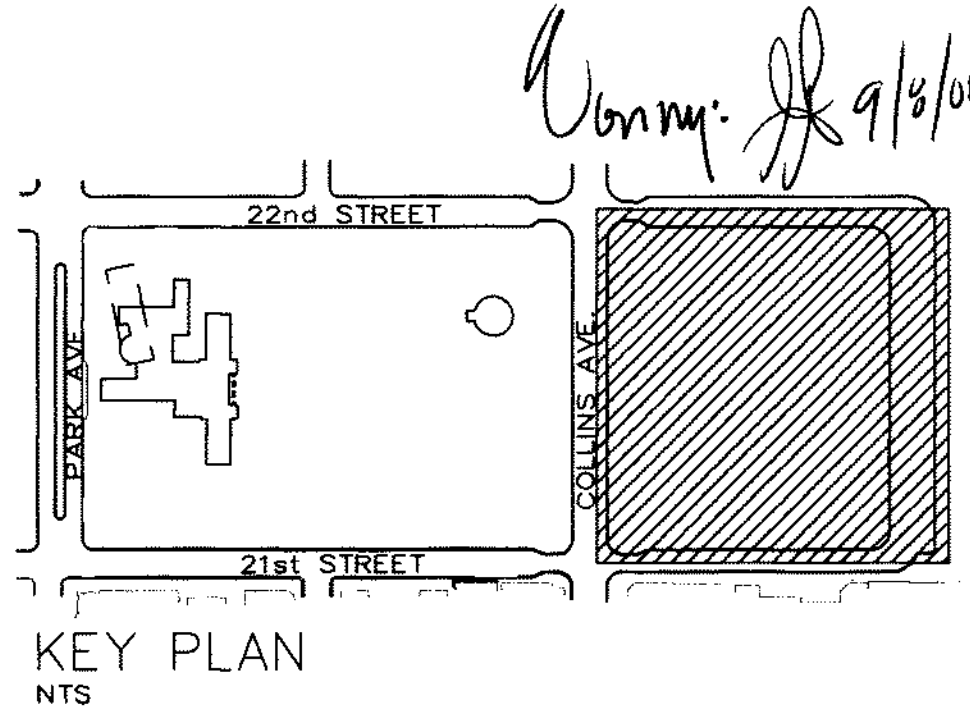
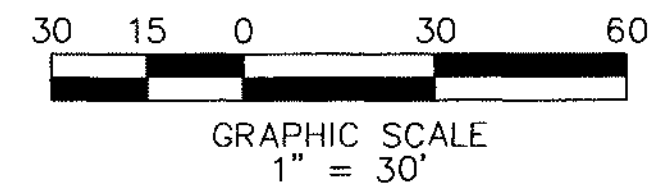
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No.	Scientific Name	DBH (in)	Spread (ft)	Height (ft)	Clear Trunk (ft)	Disposition	Comments
79	Cocos nucifera	6	10	48	36	Relocate	Relocate to designated location
80	Gone						
81	Coccoloba uvifera	48	40	50		Retain	Prune
82	Cocos nucifera	14	10	45	35	Retain	
83	Cocos nucifera	14	10	55	45	Retain	
84	Cocos nucifera	10	10	60	50	Retain	
85	Gone						
86	Coccoloba uvifera	12	20	32		Remove	Conflict with Site Plan
87	Gone						
88	Coccoloba uvifera	10	15	32		Remove	Damage, Conflict with Site Plan
89	Cocos nucifera	10	10	51	39	Relocate	Relocate to designated location
90	Cocos nucifera	10	10	51	39	Relocate	Trunk Wound - Place out of high user areas Relocate to designated location
91	Gone						
92	Cocos nucifera	18	10	32	24	Relocate	Relocate to designated location
93	Cocos nucifera	18	10	30	22	Relocate	Relocate to designated location
94	Coccoloba uvifera	24	30	25		Retain	
95	Cocos nucifera	10	10	38	30	Retain	
96	Coccoloba uvifera	42	30	25		Retain	
97	Coccoloba uvifera	36	25	25		Retain	
98	Cocos nucifera	14	10	30	20	Relocate	Relocate to designated location
99	Cocos nucifera	10	10	30	22	Retain	
100	Coccoloba uvifera	18	25	22		Remove	Damage
101	Gone						
102	Cocos nucifera	10	10	28	22	Relocate	Relocate to designated location
103	Cocos nucifera	10	10	28	22	Relocate	Trunk Wound - Place out of high user areas
104	Cocos nucifera	8	10	28	22	Relocate	Relocate to designated location
105	Conocarpus erectus	20	12			Remove	Storm Damage
106	Conocarpus erectus	26	15			Remove	Storm Damage
107	Conocarpus erectus	24	12			Remove	Storm Damage
108	Conocarpus erectus	18	12			Remove	Storm Damage
109	Syagrus romanzoffianum	14	12			Remove	Poor Condition
110	Syagrus romanzoffianum	14	12			Remove	Poor Condition
111	Syagrus romanzoffianum	8	10			Remove	Poor Condition
112	Gone						
113	Bismarckia nobilis	14	6	32	25	Relocate	Relocate to designated location
114	Syagrus romanzoffianum	10	15			Remove	Poor Condition
115	Conocarpus erectus	28	20			Remove	Storm Damage
116	Conocarpus erectus	24	18			Remove	Storm Damage
117	Conocarpus erectus	16	15			Remove	Storm Damage
118	Conocarpus erectus	18	15			Remove	Storm Damage
119	Conocarpus erectus	14	12			Remove	Storm Damage
120	Conocarpus erectus	22	18			Remove	Storm Damage
121	Conocarpus erectus	10	12			Remove	Storm Damage
122	Conocarpus erectus	24	18			Remove	Storm Damage
123	Gone						
124	Coccoloba uvifera	36	35	25		Remove	Conflict with Site Plan
125	Cocos nucifera	8	10	20	15	Relocate	Relocate to designated location
126	Cocos nucifera	18	10	28	22	Relocate	Relocate to designated location
127	Cocos nucifera	10	10	22	17	Relocate	Relocate to designated location
128	Cocos nucifera	10	10	23	18	Relocate	Relocate to designated location
129	Cocos nucifera	12	10	21	18	Relocate	Relocate to designated location
130	Cocos nucifera	12	10	21	16	Relocate	Relocate to designated location
131	Cocos nucifera	12	10	24	19	Relocate	Relocate to designated location
132	Coccoloba uvifera	24	40			Retain	
133	Coccoloba uvifera	52	35			Retain	
134	Coccoloba uvifera	48	35			Retain	
135	Gone						
136	Gone						
137	Gone						
138	Gone						
139	Gone						
140	Cocos nucifera	16	20	28	24	Retain	
141	Cocos nucifera	14	10	25	20	Relocate	Relocate to designated location
142	Cocos nucifera	12	10	25	20	Relocate	Relocate to designated location
143	Cocos nucifera	10	10	25	20	Relocate	Relocate to designated location
144	Cocos nucifera	14	10	25	20	Relocate	Relocate to designated location
145	Cocos nucifera	10	10	25	20	Relocate	Relocate to designated location
146	Cocos nucifera	10	10	25	20	Relocate	Relocate to designated location
147	Cocos nucifera	10	10	25	20	Relocate	Relocate to designated location
148	Cocos nucifera	10	10	25	20	Relocate	Relocate to designated location
149	Cocos nucifera	12	10	25	22	Relocate	Relocate to designated location
150	Cocos nucifera	10	10	24	19	Relocate	Relocate to designated location
151	Cocos nucifera	8	10	25	19	Relocate	Relocate to designated location
152	Cocos nucifera	10	10	24	18	Relocate	Relocate to designated location
153	Cocos nucifera	10	10	28	22	Relocate	Relocate to designated location
154	Coccoloba uvifera	18	20			Remove	Trunk Damage
155	Cocos nucifera	10	10	28	22	Relocate	Relocate to designated location
156	Cocos nucifera	10	10	28	22	Relocate	Relocate to designated location
157	Cocos nucifera	8	10	28	22	Relocate	Relocate to designated location
158	Coccoloba uvifera	24	25			Remove	Storm Damage
159	Pandanus utilis	18	20			Remove	Conflict with Site Plan

TREE INFORMATION
PREPARED BY LISA H. HAMMER, HORTICULTURAL CONSULTANT JAN. 2006

- SYMBOL LEGEND
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(SEE SPECS & SHEET L-10 FOR TREE PROTECTION)
 - D TREES TO BE REMOVED
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NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION

DRAWN BY: M. Cullen

CHKD BY: C. Steinbaum

APP'D BY: G. Marston

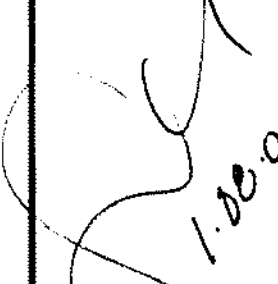
ISSUE DATE:
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REVISIONS:
No. DATE
1 11/5/07

WRT Planning & Design

Wallace Roberts & Todd, LLC
191 Grade Avenue, Penthouse 305.448.0799
Coral Gables, FL 33134 fax 305.443.8931

GERALD C. MARSTON, FLSA
FL # 0000815
LANDSCAPE ARCHITECTURE


11/5/07



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

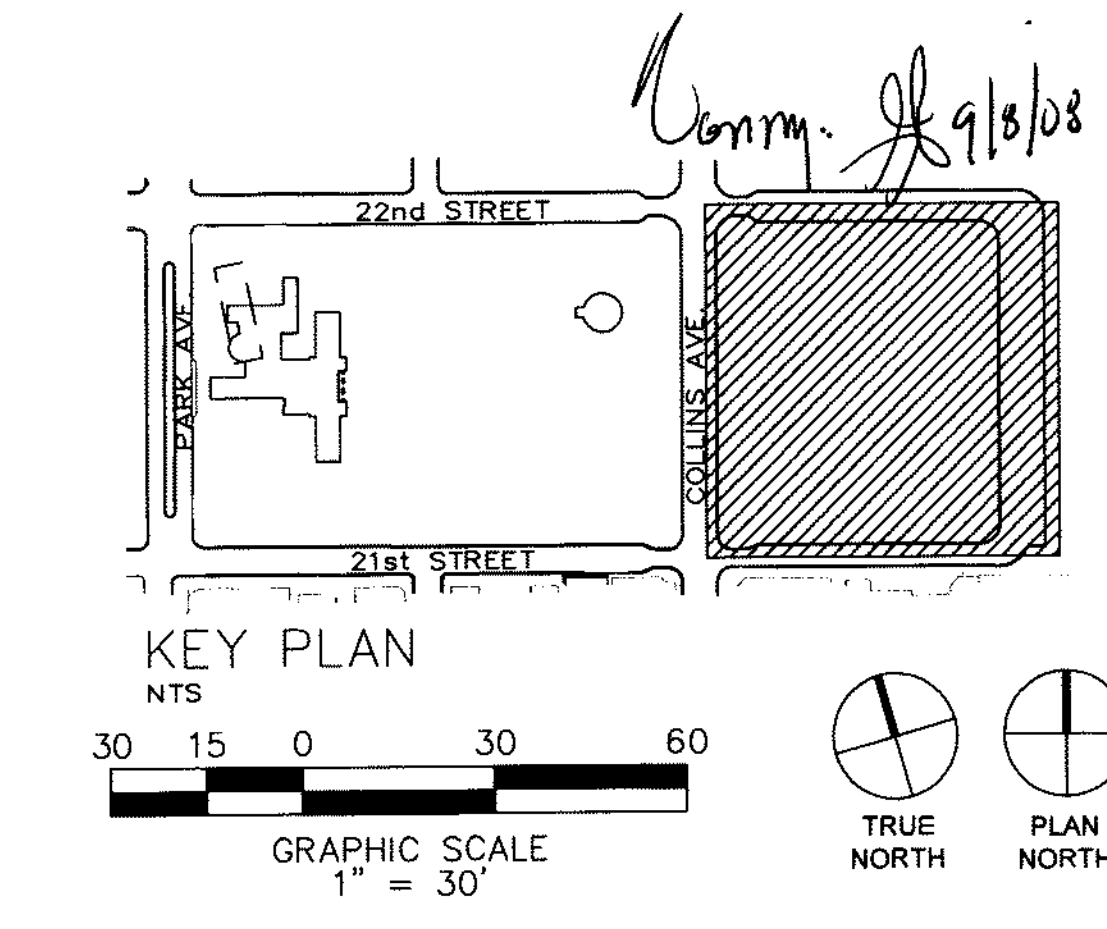
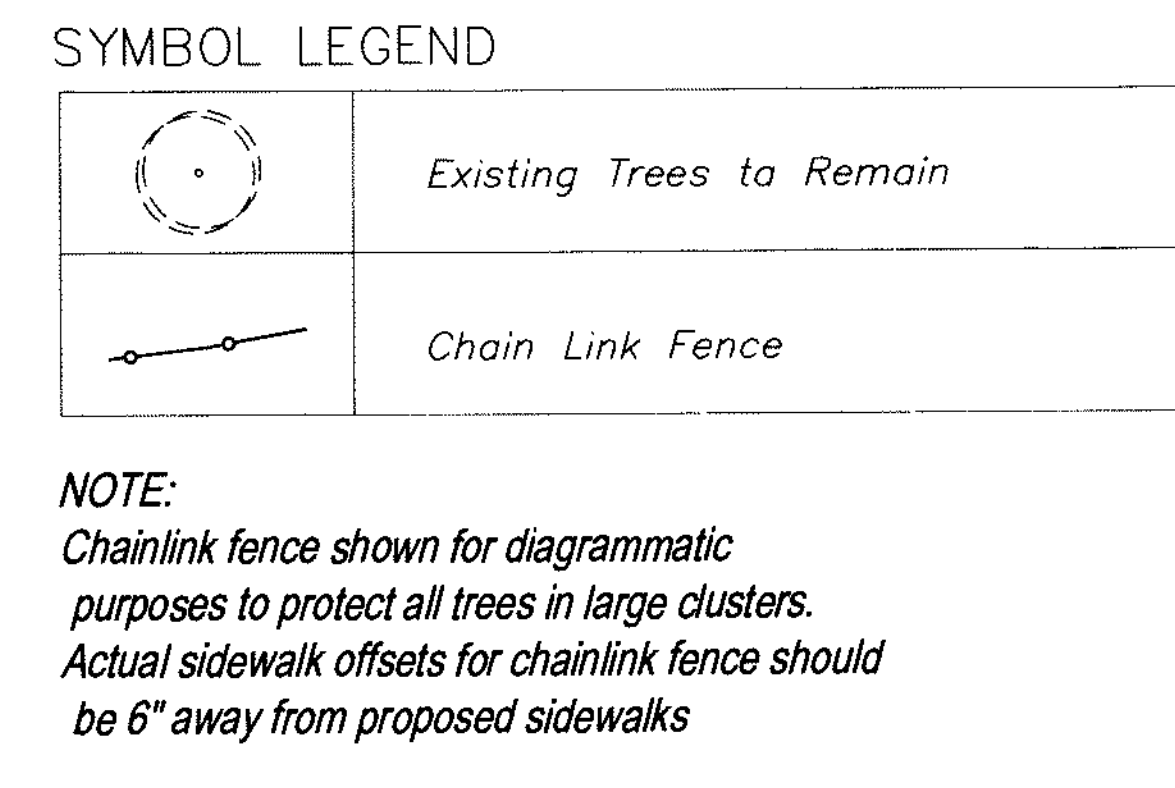
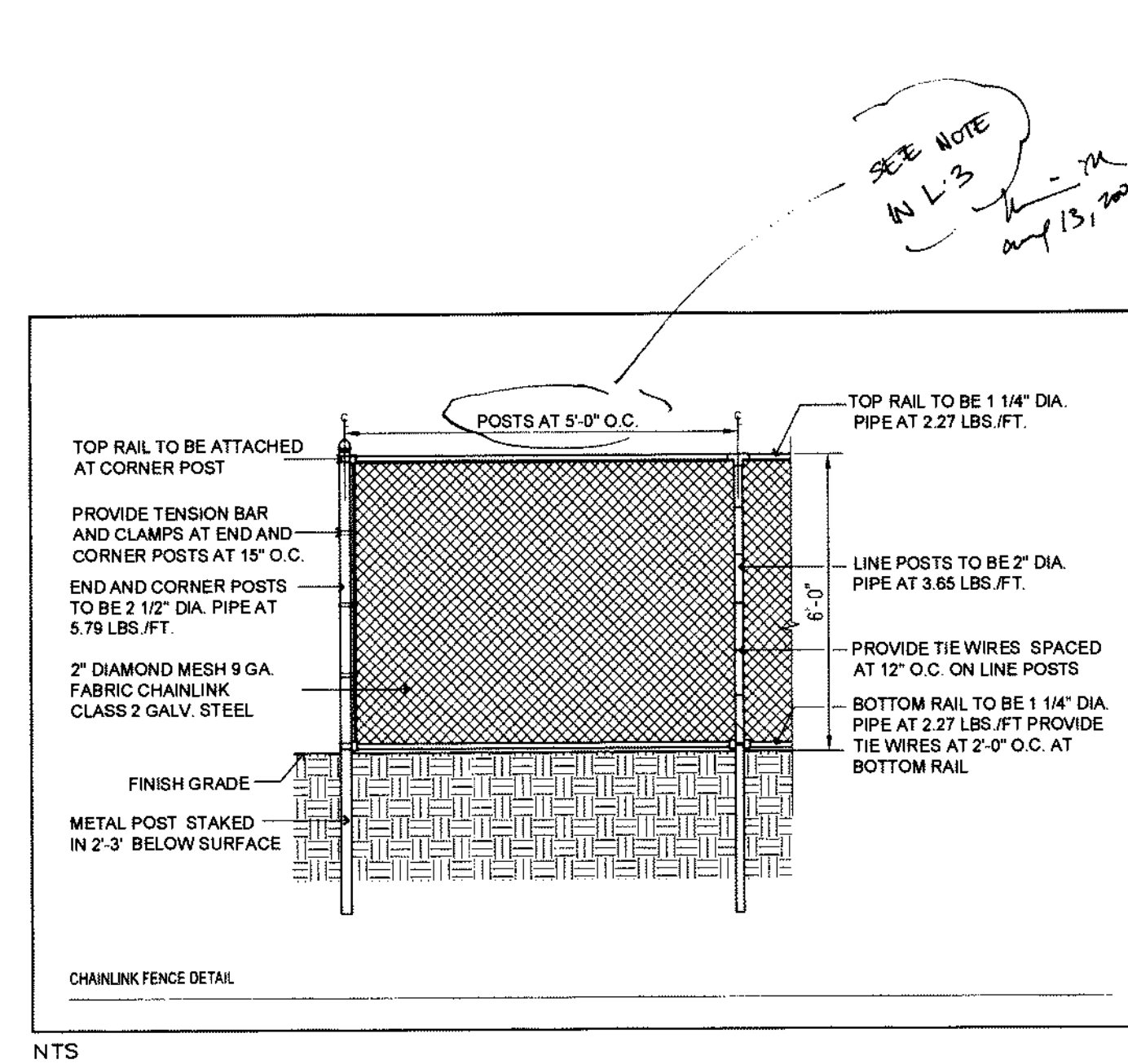
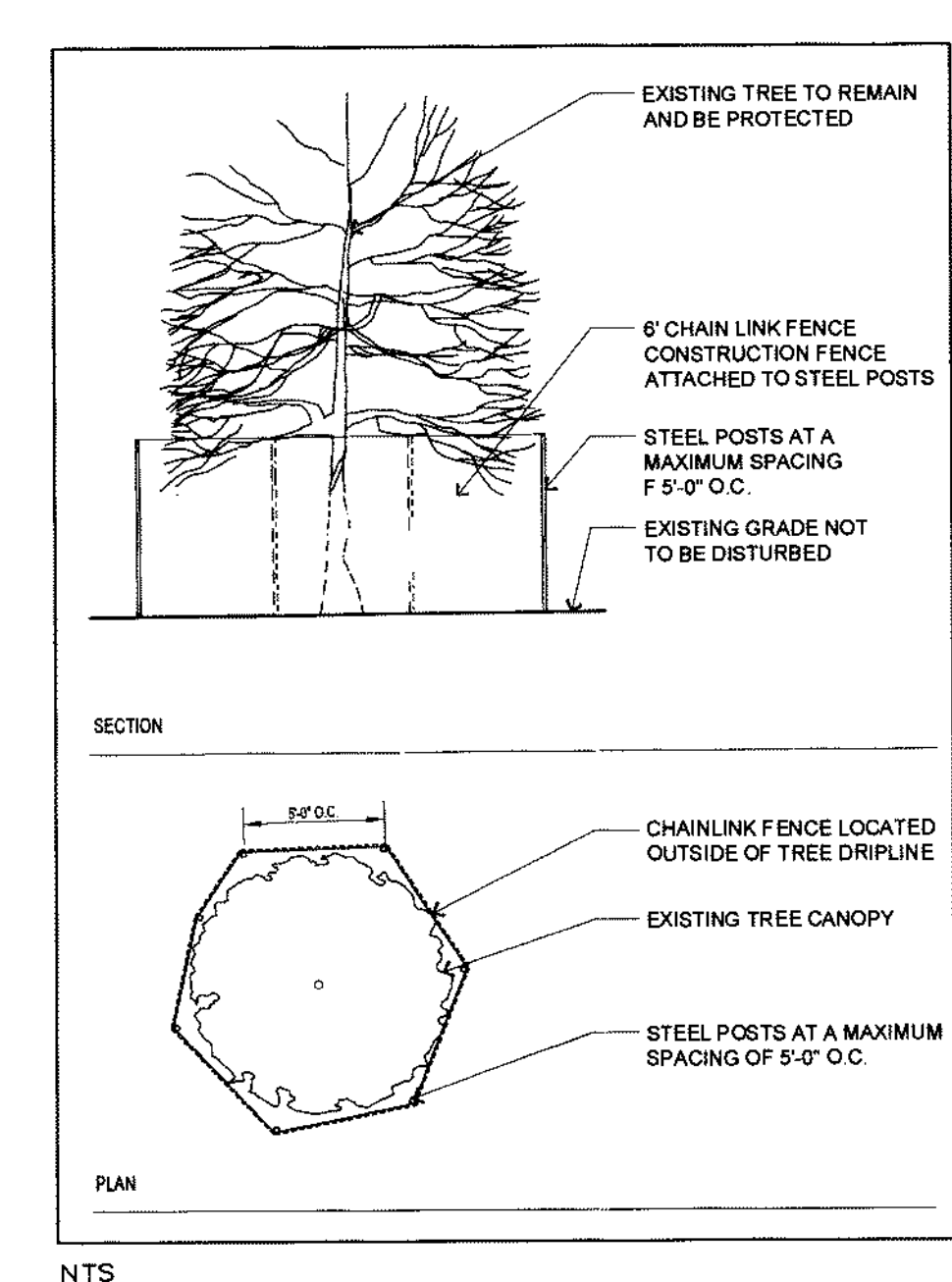
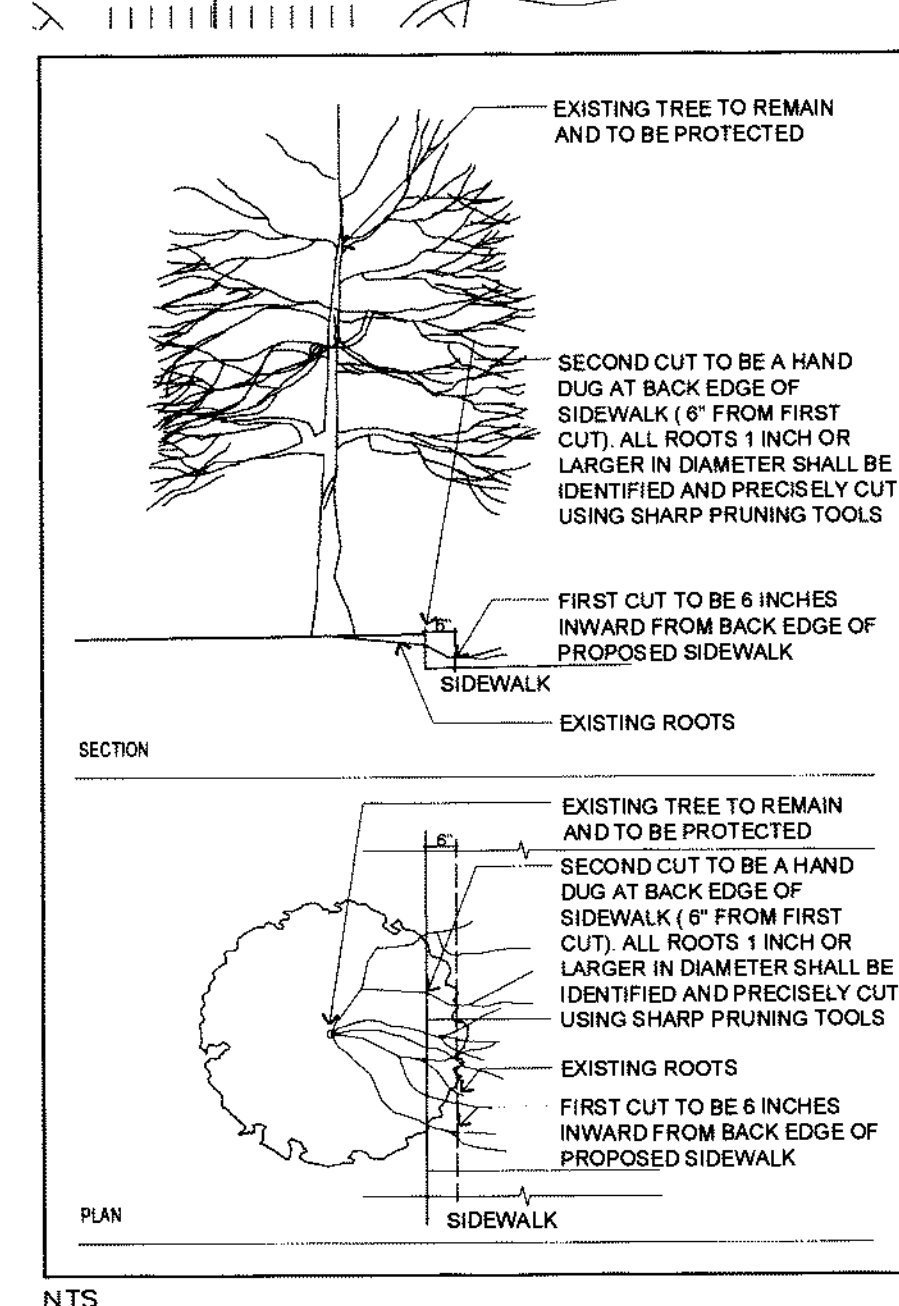
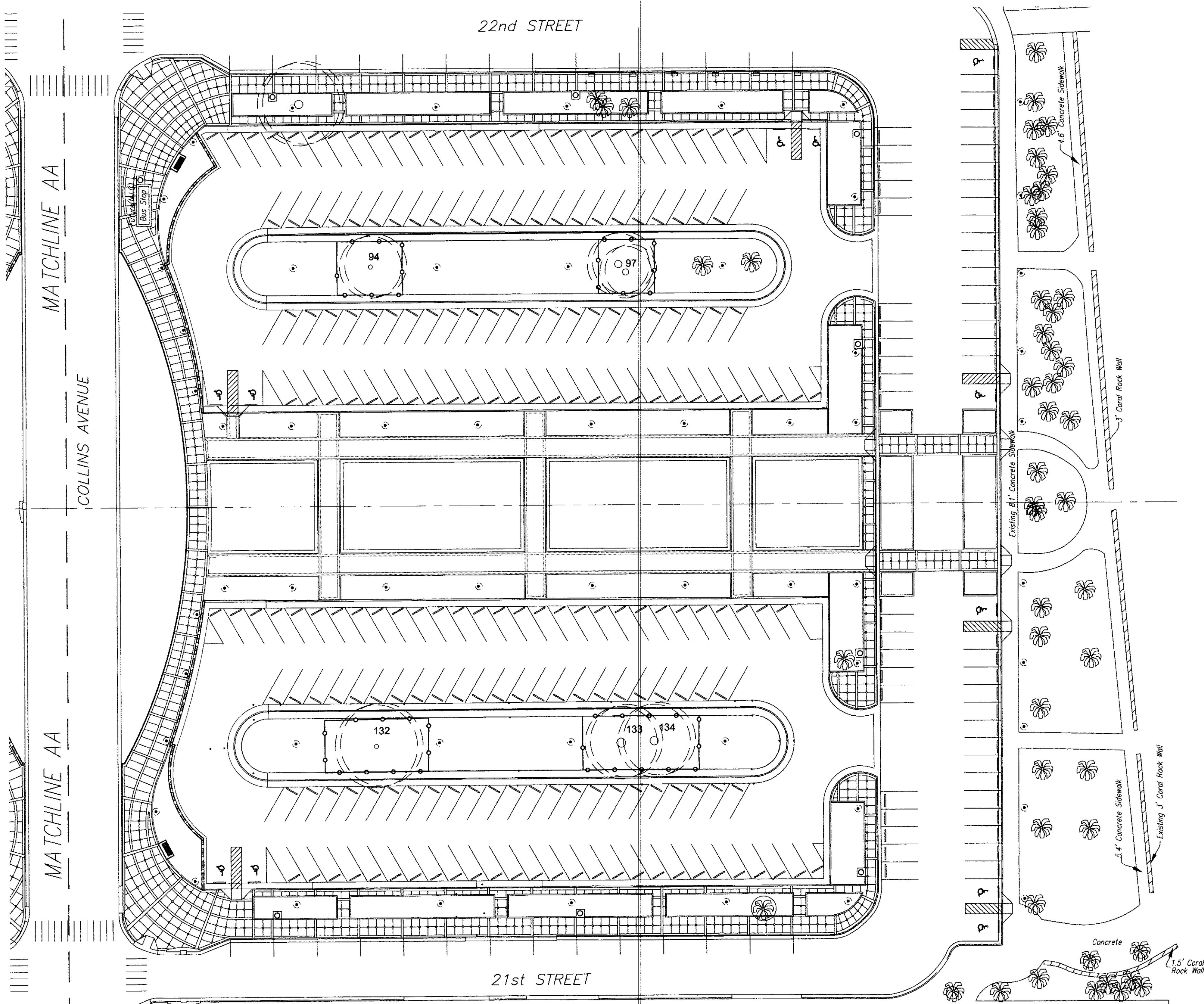
DRAWING TITLE
TREE DISPOSITION PLAN

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

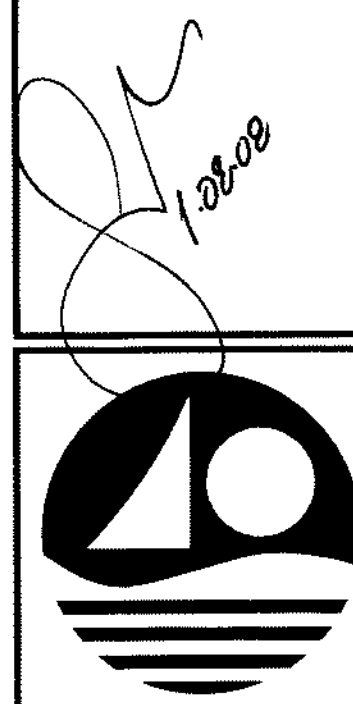
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NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION

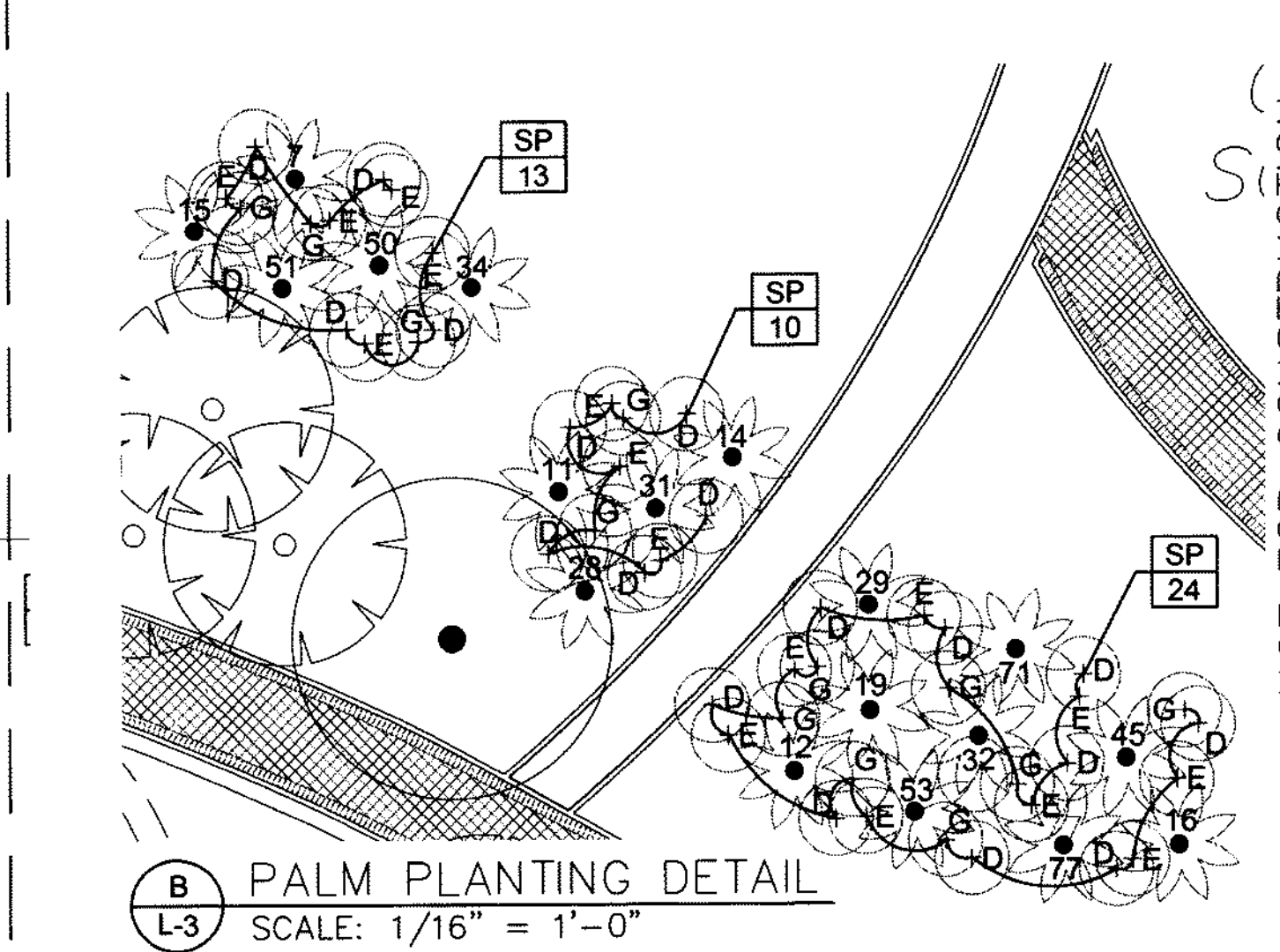
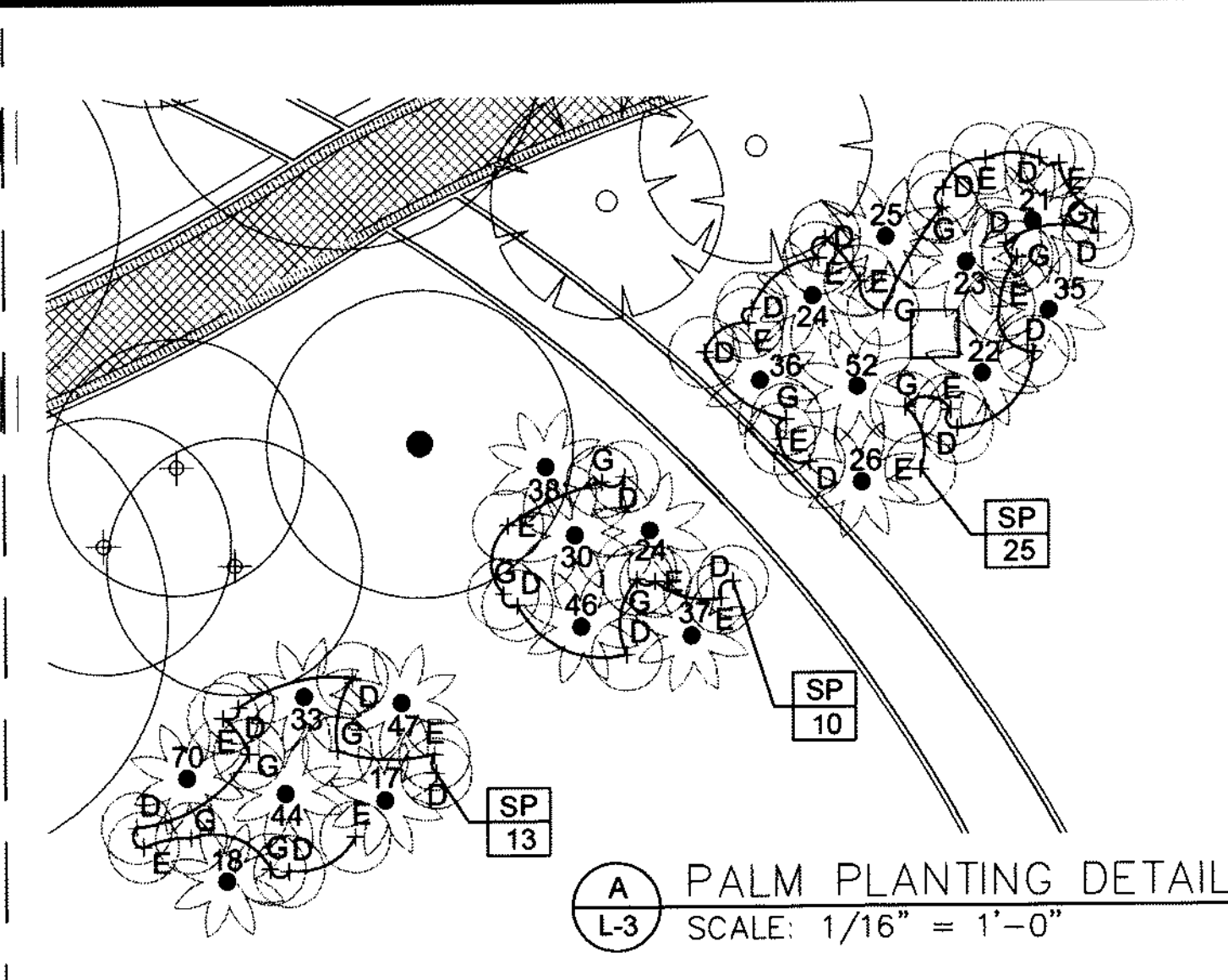
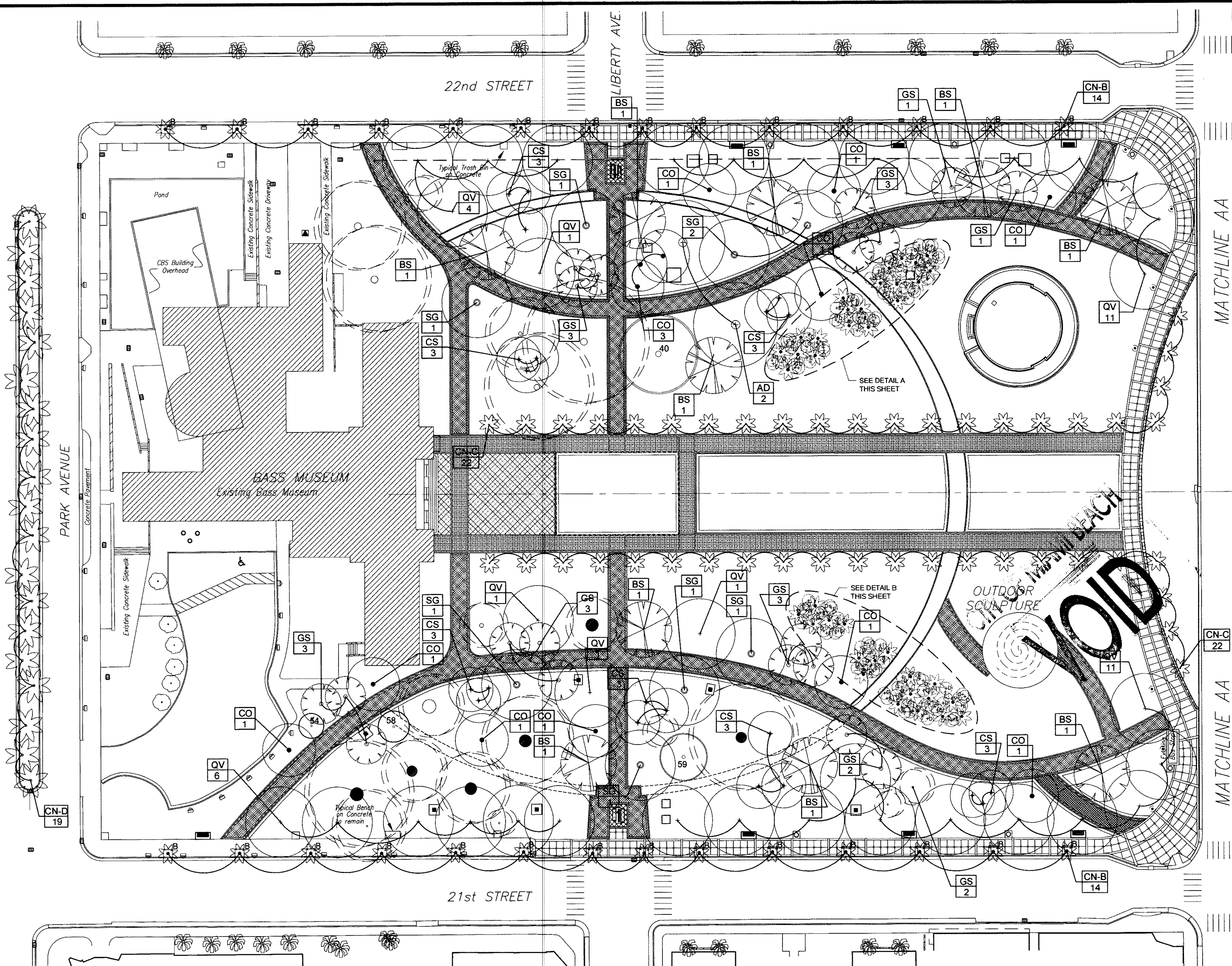
DRAWN BY: M. Cullen	
CHKD BY: C. Steinbaum	
APP'D BY: G. Marston	
ISSUE DATE: NOV 08, 2007	
REVISIONS: No. DATE	
1	11/5/07
VVRT Planning & Design	
Wallace Roberts & Todd, LLC 191 Grande Avenue, Penthouse 305.448.0788 Coral Gables, FL 33134 fax 305.443.8431	
GERALD C. MARSTON, FASLA FL # 0000815 LANDSCAPE ARCHITECTURE	
PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETScape MIAMI BEACH, FLORIDA OWNER: CITY OF MIAMI BEACH	
DRAWING TITLE: TREE PROTECTION PLAN	
SHEET No. L-4	



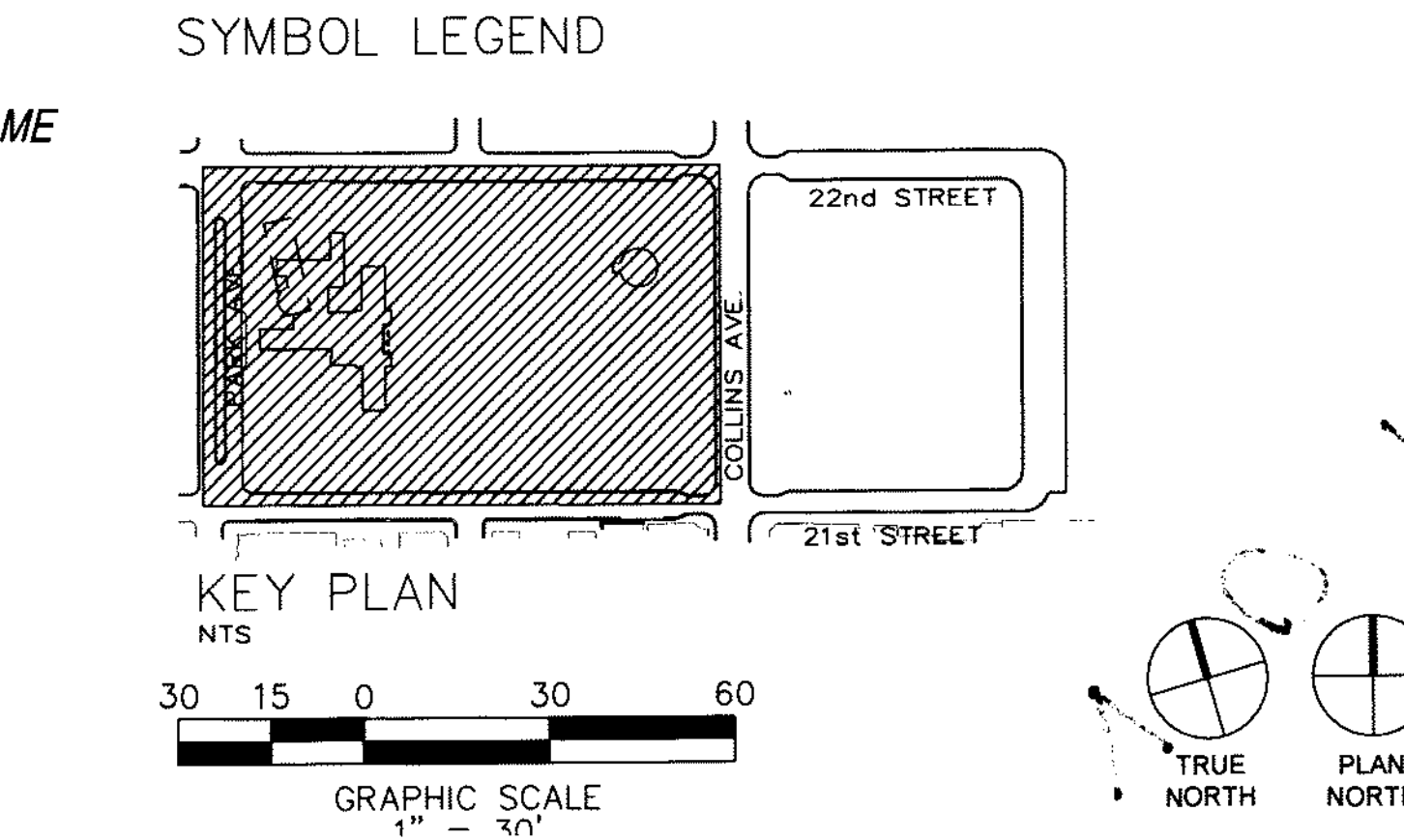
PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETScape
 MIAMI BEACH, FLORIDA
 OWNER:
 CITY OF MIAMI BEACH

DRAWING TITLE:
 TREE PLANTING PLAN
 SCALE: 1" = 30'
 NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
L-5



	Existing Trees
	Relocated Trees (Number corresponds to tree number on Tree Disposition Plan)
	Relocated Palms (Number corresponds to tree number on Tree Disposition Plan)
	Palm Size (Letter corresponds to palm size on plant schedule)
	Proposed Trees
	Plant Species Key Quantity



PALMS				
Key	Size & Description	Remarks	Native	
CN-A	Cocos nucifera 'Mayport'	Coco palm	10' GW FG	no
CN-B	Cocos nucifera 'Mayport'	Coco palm	14' GW FG	no
CN-C	Cocos nucifera 'Mayport'	Coco palm	18' GW FG	no
CN-D	Cocos nucifera 'Mayport'	Coco palm	18' GW FG	no
SP-D	Sabal palmetto	Sabal Palm	10' CT FG	yes
SP-E	Sabal palmetto	Sabal Palm	14' CT FG	yes
SP-G	Sabal palmetto	Sabal Palm	18' CT FG	yes

TREES				
Key	Size & Description	Remarks	Native	
AD	Adansonia digitata	Baobab	10-12' OA 65G HV	no
BS	Bursera simarouba	Gumbo Limbo	14-18' OA FG	yes
CO	Chrysophyllum oliviforme	Satinleaf	14-18' OA FG	yes
CS	Chorisia speciosa	Floss Silk Tree	9-11' OA 26G	no
CU	Coccoloba uvifera	Sea Grape	10-18' OA FG ML	yes
GS	Gualacum sanctum	Ugum Vitae	6-8' OA FG	yes
QV	Quercus virginiana	Live Oak	6" C 300G	yes
SG	Simarouba glauca	Paradise Tree	10-12' OA 30G	yes

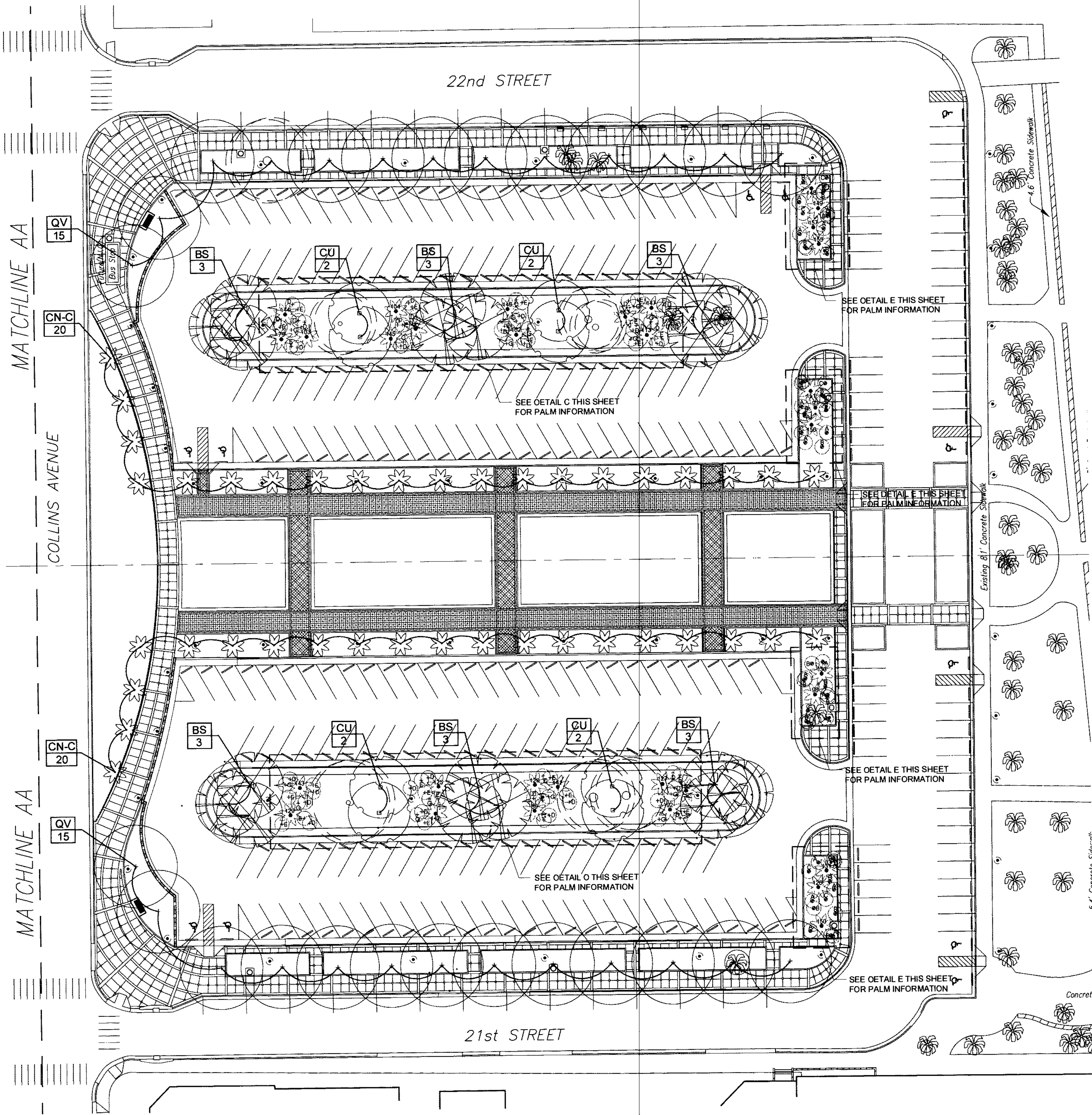
NOTE:
 SEE SHEET L-1 FOR RELOCATED TREE SPECIES INFORMATION. NUMBERED TREES CORRESPOND TO SAME NUMBERS SHOWN ON TREE DISPOSITION PLAN.

PLANT SCHEDULE

NOV 08, 2007 PERMIT SET

NOT FOR CONSTRUCTION

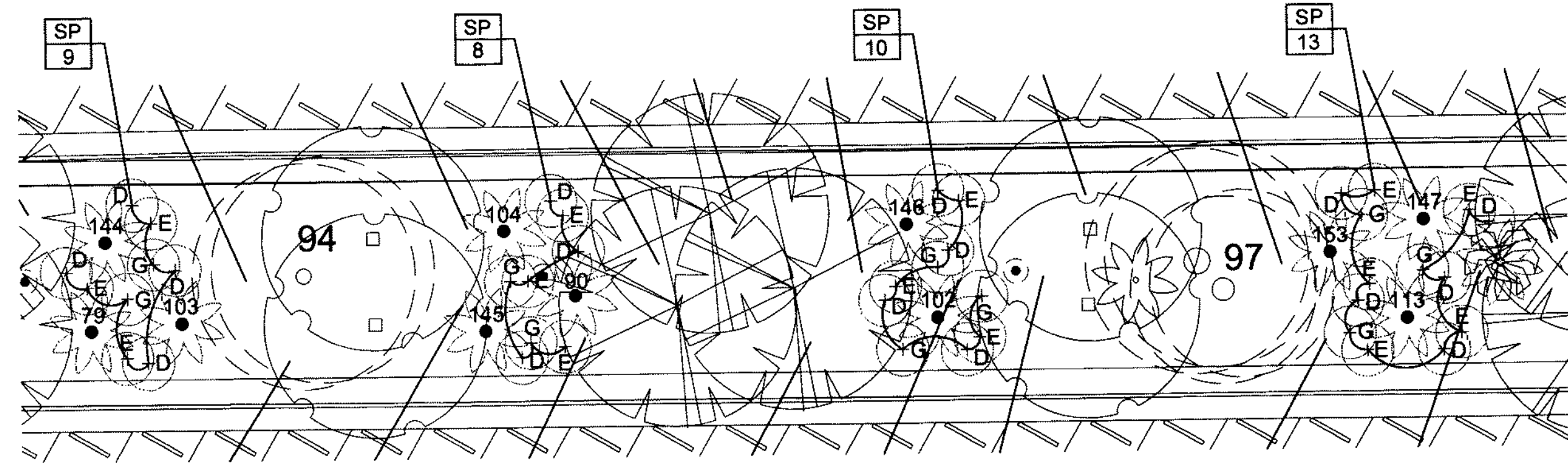
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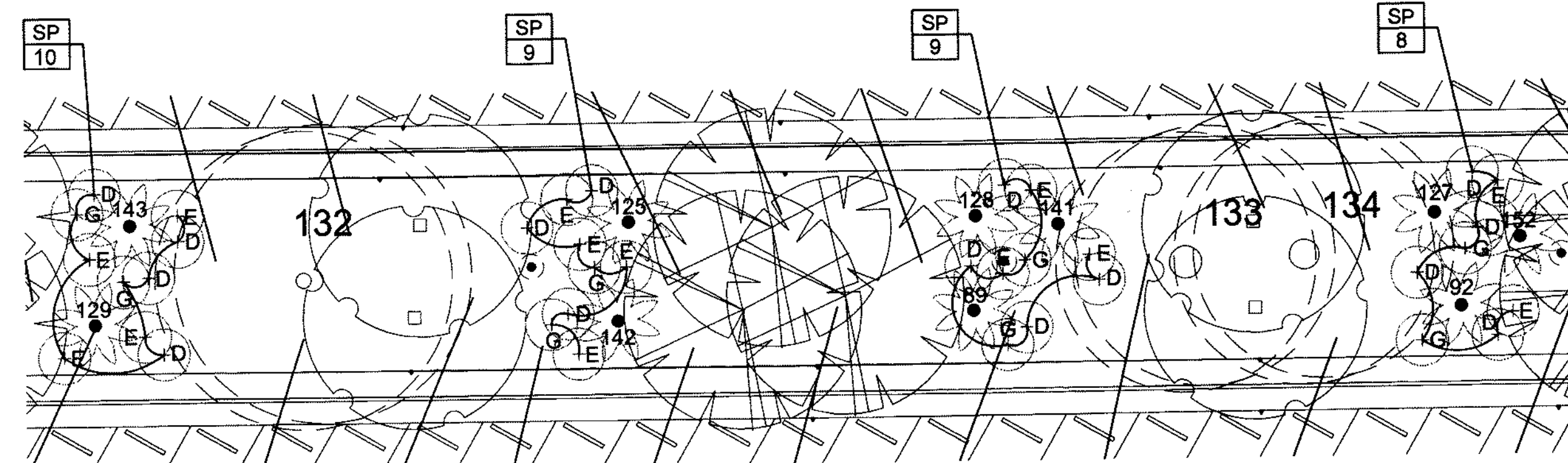
PALMS				
Key	Code	Common Name	Size & Description	Remarks
CN-A	Cocos nucifera 'Maypan'	Coconut Palm	10' GW FG	
CN-B	Cocos nucifera 'Maypan'	Coconut Palm	14' GW FG	
CN-C	Cocos nucifera 'Maypan'	Coconut Palm	18' GW FG	
SP-O	Sabal palmetto	Sabal Palm	10' CT FG	
SP-E	Sabal palmetto	Sabal Palm	14' CT FG	
SP-G	Sabal palmetto	Sabal Palm	18' CT FG	
TREES				
Key	Code	Common Name	Size & Description	Remarks
AD	Adansonia digitata	Baobab	10-12' OA 65G HV	
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CS	Chorisia speciosa	Floss Silk Tree	9-11' OA 25G	
CU	Coccoloba uvifera	Sea Grape	10-18' OA FG ML	
GS	Guaiacum sanctum	Lignum Vitae	6-8' OA FG	
QV	Quercus virginiana	Live Oak	6' C 300G	
SG	Simarouba glauca	Paradise Tree	10-12' OA 30G	

PLANT SCHEDULE

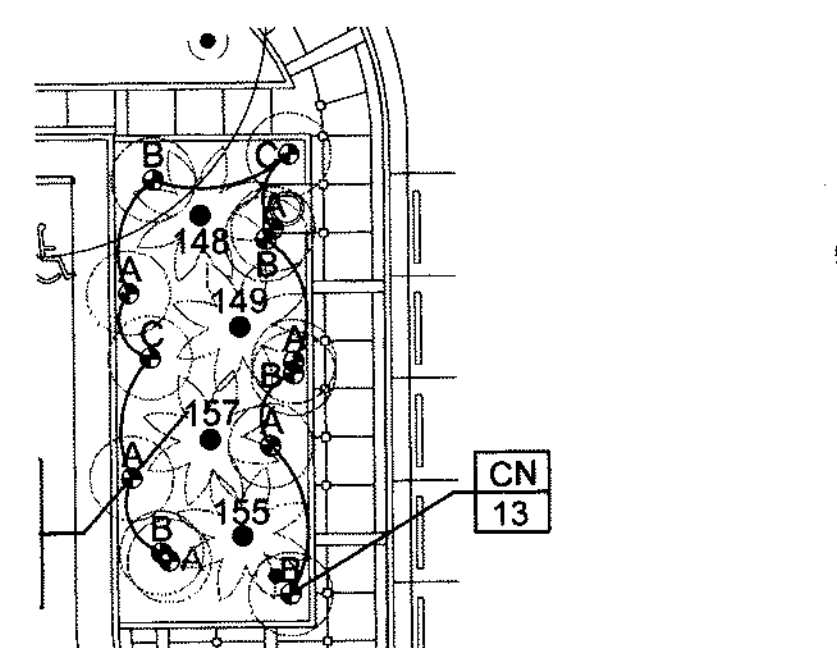
NOTE:
SEE SHEET L-2 FOR RELOCATED TREE SPECIES
INFORMATION. NUMBERED TREES CORRESPOND TO SAME
NUMBERS SHOWN ON TREE DISPOSITION PLAN.



C PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"



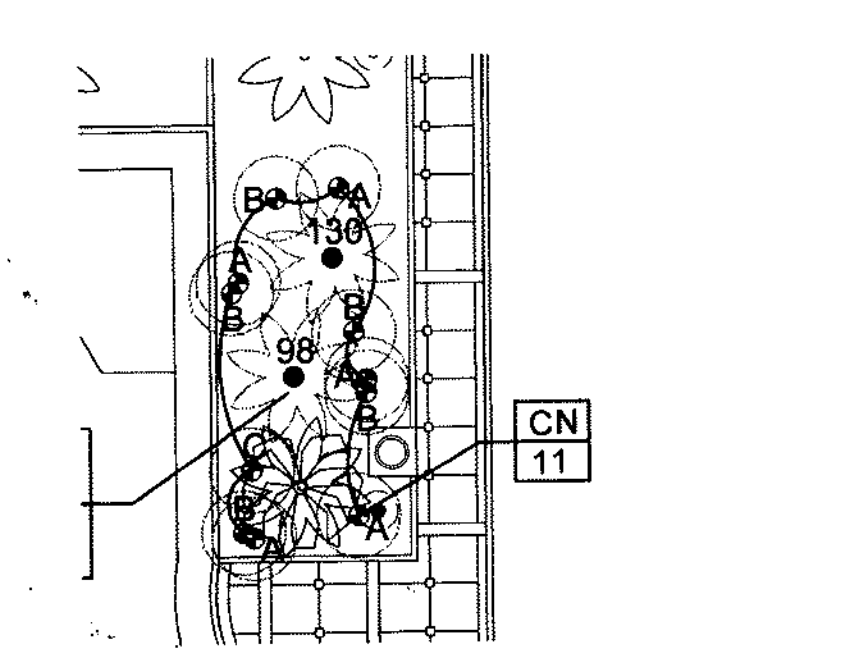
D PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"



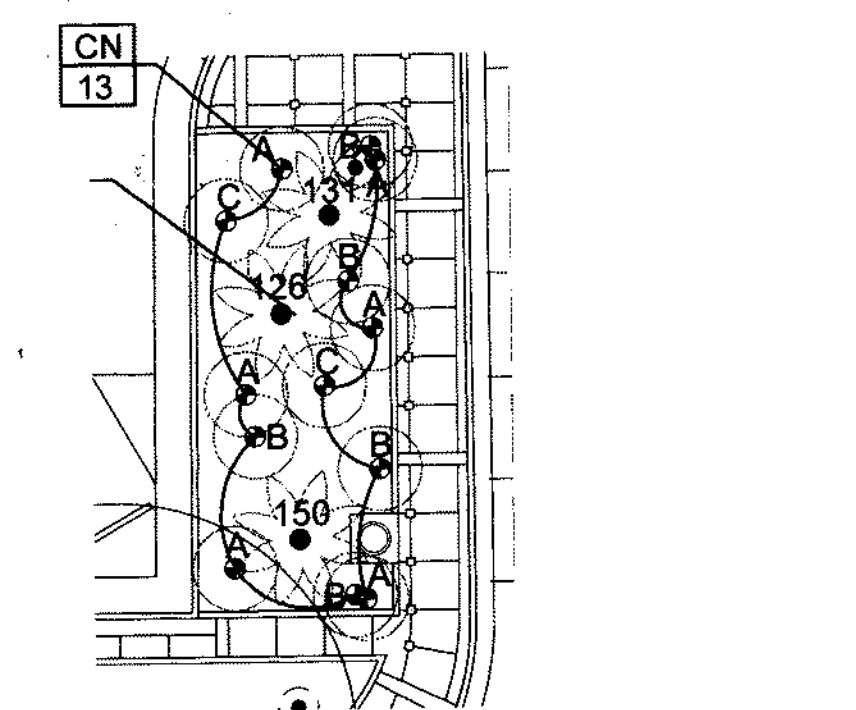
E PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"



F PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"



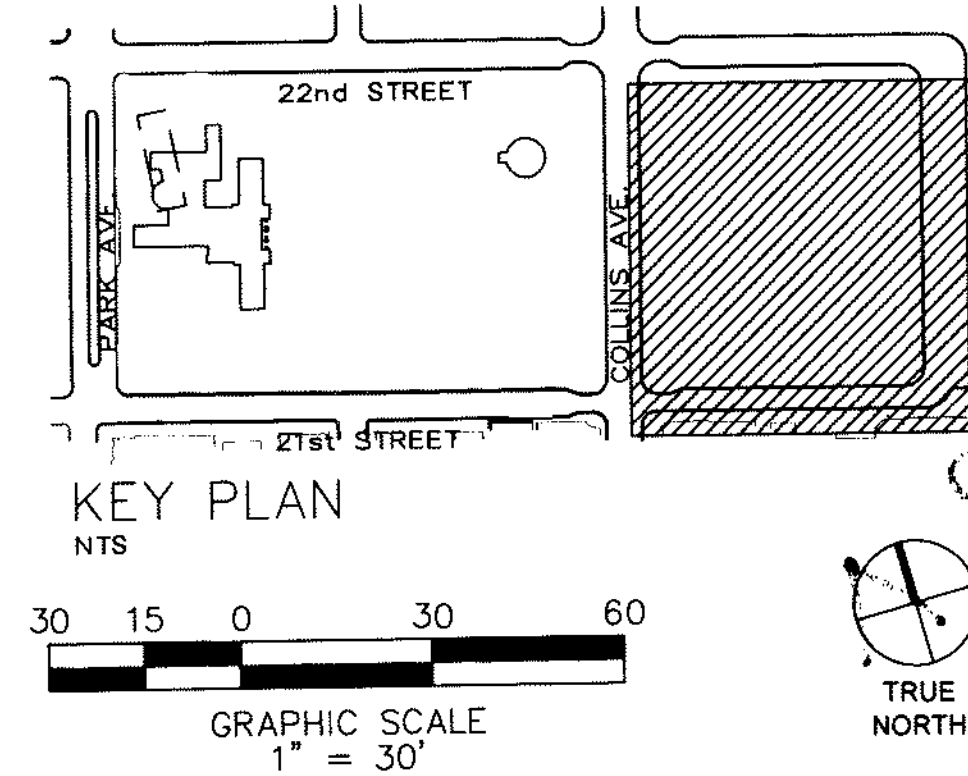
G PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"



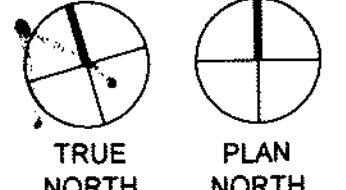
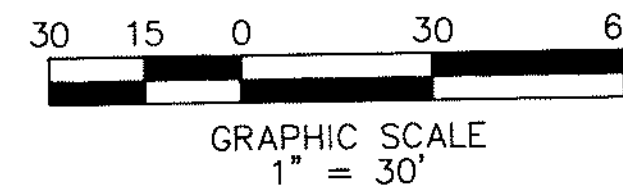
H PALM PLANTING DETAIL
SCALE: 1/16" = 1'-0"

	Existing Trees
	Relocated Trees (Number corresponds to tree number on Tree Disposition Plan)
	Relocated Palms (Number corresponds to tree number on Tree Disposition Plan)
	Palm Size (Letter corresponds to palm size on plant schedule)
	Proposed Trees
	Plant Species Key
	Quantity

SYMBOL LEGEND



KEY PLAN
NTS



NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
TREE PLANTING PLAN

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
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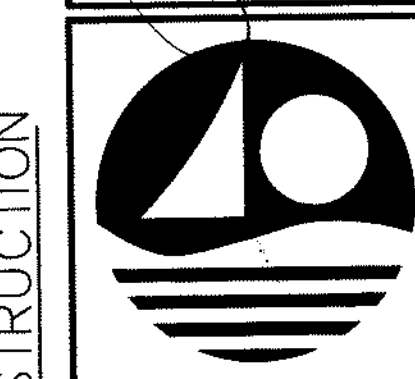
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DRAWN BY: M. Cullen
CHKD BY: C. Steinbaum
APP'D BY: G. Marston
ISSUE DATE:
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WRT Planning & Design
Wallace Roberts & Todd, LLC
193 Granda Avenue, Penthouse 305-448-0788
Coral Gables, FL 33134 Tel. 305-443-8531

GERALD C. MARSTON, FASLA
FL # 0000815
LANDSCAPE ARCHITECTURE

108.02



NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION

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COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
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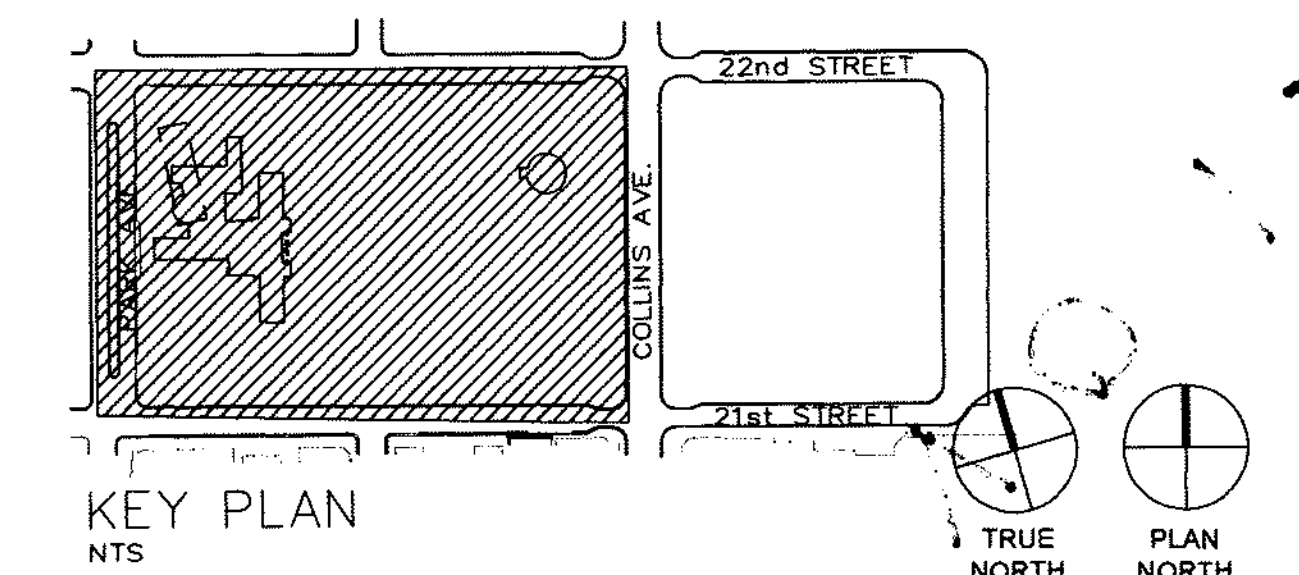
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COLLINS PARK / ROTUNDA / STREETSCAPE
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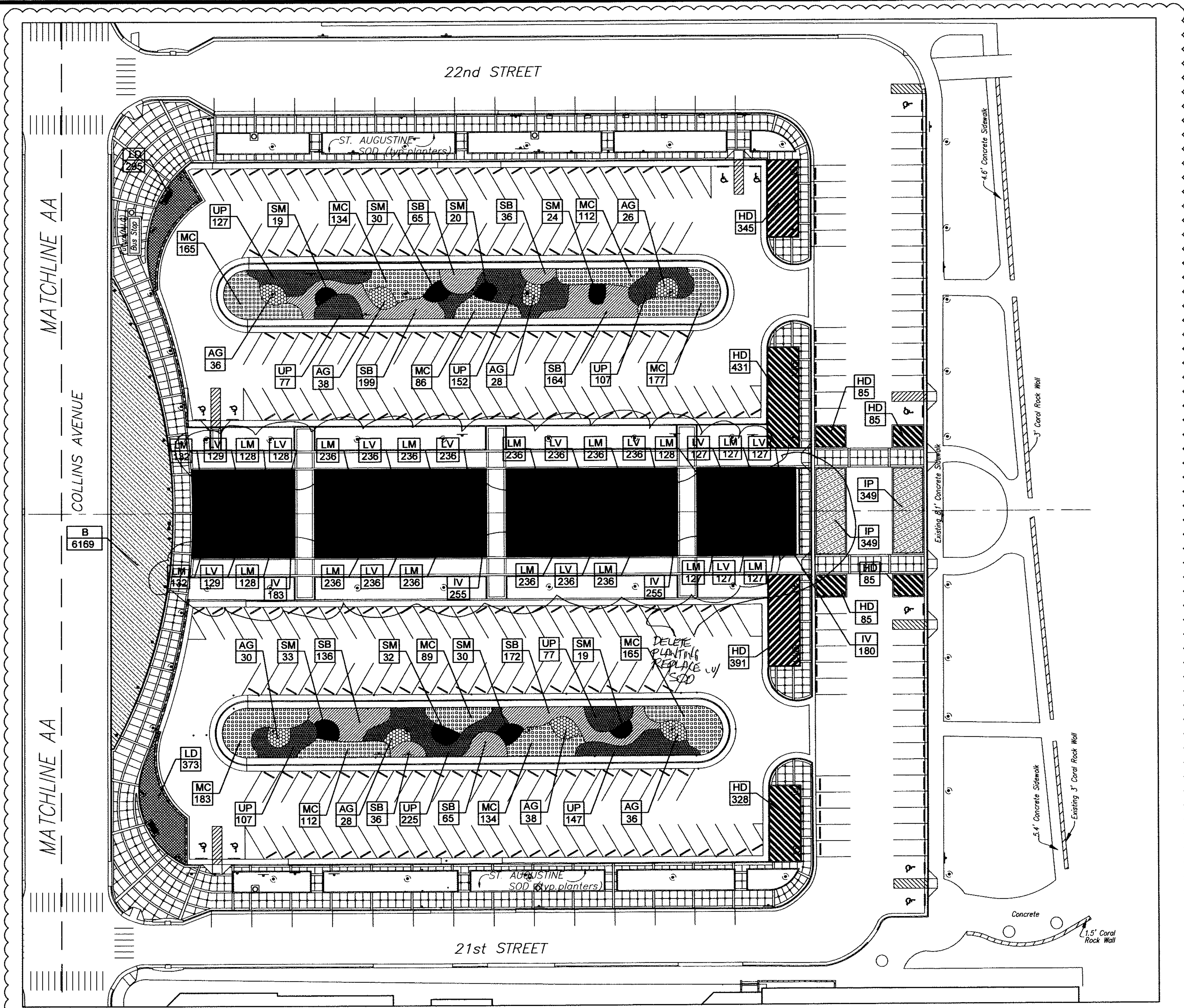
DRAWING TITLE:
TREE PLANTING PLAN

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK.



PLANT SCHEDULE





NOTE:
LANDSCAPE AREAS EAST OF COLLINS AVENUE NOT
OTHERWISE NOTED SHALL BE BAHIA SOD.

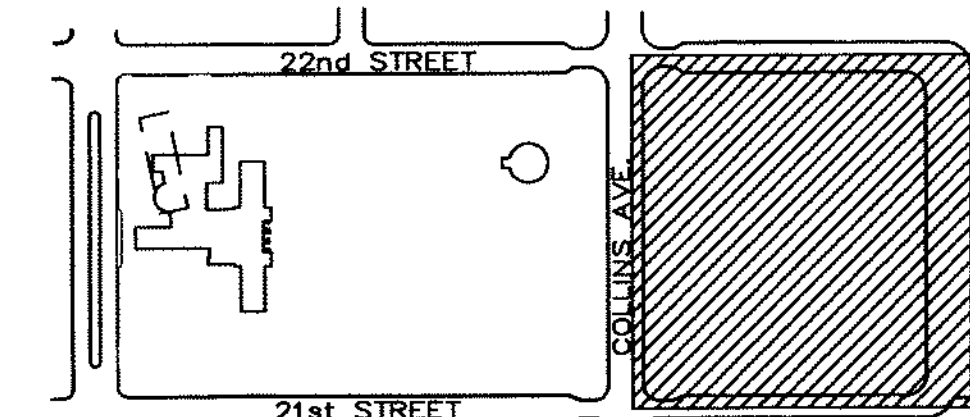
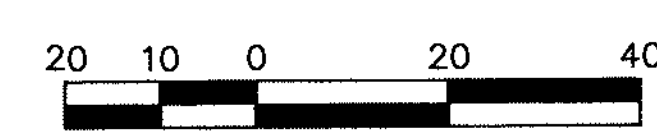
Key	Quantity	Scientific Name	Common Name	Size & Description	Remarks	Native
AG	260	<i>Argemone grandiflora</i>	Sea Lavender	30" - 24" OC		yes
B	6,165	<i>Portulaca oleracea</i> Puerto Rican Purple	Purslane Puerto Rico	1G - 12" OC		no
HD	1,835	<i>Helianthus debilis</i>	Dune Sunflower	1G - 18" OC		yes
IP	698	<i>Ipomoea pes-caprae</i>	Railroad Vine	1G - 18" OC		yes
LD	873	<i>Lantana depressa</i>	Dwarf Yarrow Holly	3G - 30" OC 24" OC		no
LD	668	<i>Lantana depressa</i>	Pinkland Lantana	1G - 18" OC 24" OC		yes
LM	2,917	<i>Liriope muscari</i> 'Big Blue'	Big Blue Liriope	1G - 18" OC 24" OC		no
LV	2,183	<i>Liriope muscari</i> 'Variegata'	Variegated Liriope	1G - 18" OC 24" OC		no
MC	1,357	<i>Muhlenbergia capillaris</i>	Muhly Grass	1G - 18" OC 24" OC		yes
SB	873	<i>Spartina bakeri</i>	Sand Cordgrass	1G - 24" OC		yes
SM	207	<i>Susana maritima</i>	Bay Cedar	3G - 24" OC		yes
UP	1,019	<i>Ureola paniculata</i>	Sea Oats	1G - 18" OC		yes
Turf Grasses						
PN		<i>Paspalum notatum</i>	Bahia Grass			no
SS		<i>Stenotaphrum secundatum</i>	St. Augustine Grass			yes

PLANT SCHEDULE-THIS SHEET

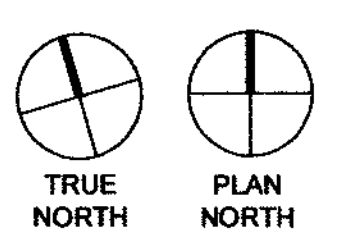
REVISE
SPACING
11/13/08

Plant Species Key
Quantity

SYMBOL LEGEND



KEY PLAN
NTS



DRAWN BY: C.S./M.C.

CHKD BY: C. Steinbaum

APPRO BY: G. Marston

ISSUE DATE:
NOV 08, 2007

REVISIONS:
No. DATE

1	11/5/07
2	n/a
3	5/1/08

Wallace Roberts & Todd, LLC
395 Florida Avenue, Pompano Beach, FL 33069
(954) 944-0000

REDAUD C. MARSTON, P.A.S.A.
FL # 0000815
LANDSCAPE ARCHITECTURE

NOV 08, 2007 PERMIT SET

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

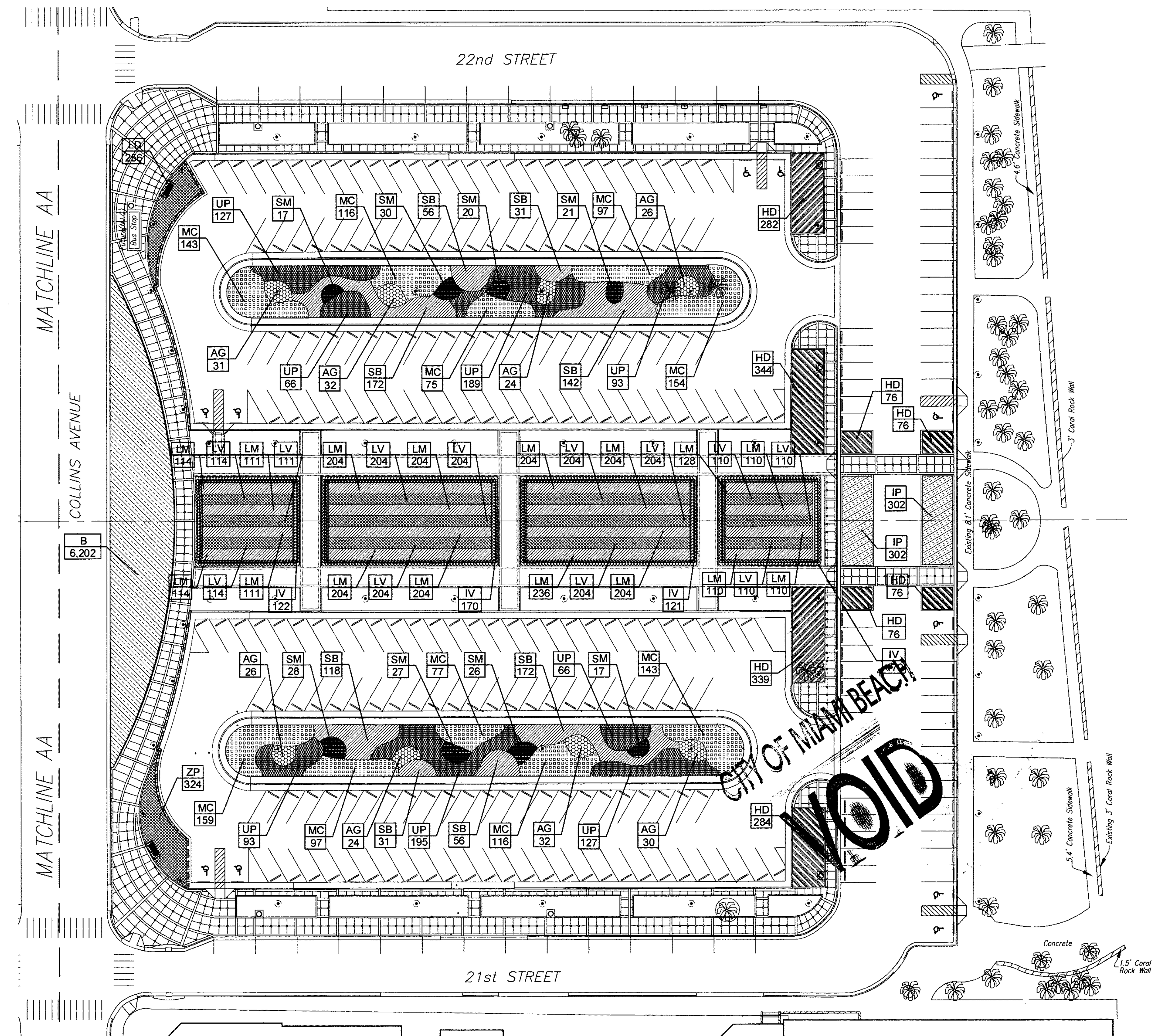
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
SHRUB/GROUND COVER
PLANTING PLAN

SHEET No.
L-8

SCALE: 1" = 20'
NOTE: CONTAINING ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK.

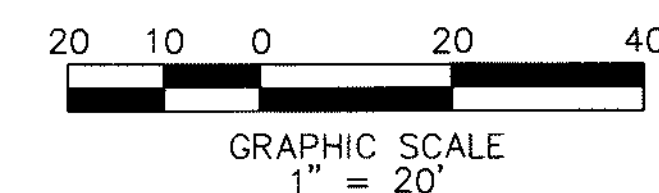
N:\4000 Projects\4634-01 Collins Park\5-drawings (in progress)\5-6-100% submission\10807\WRT-PLANTING-PLAN-CDs-110807.dwg, 11/14/2007 4:53:01 PM, DWG6 ePlot.pc3



NOTE:
LANDSCAPE AREAS EAST OF COLLINS AVENUE NOT
OTHERWISE NOTED SHALL BE BAHIA SOD.

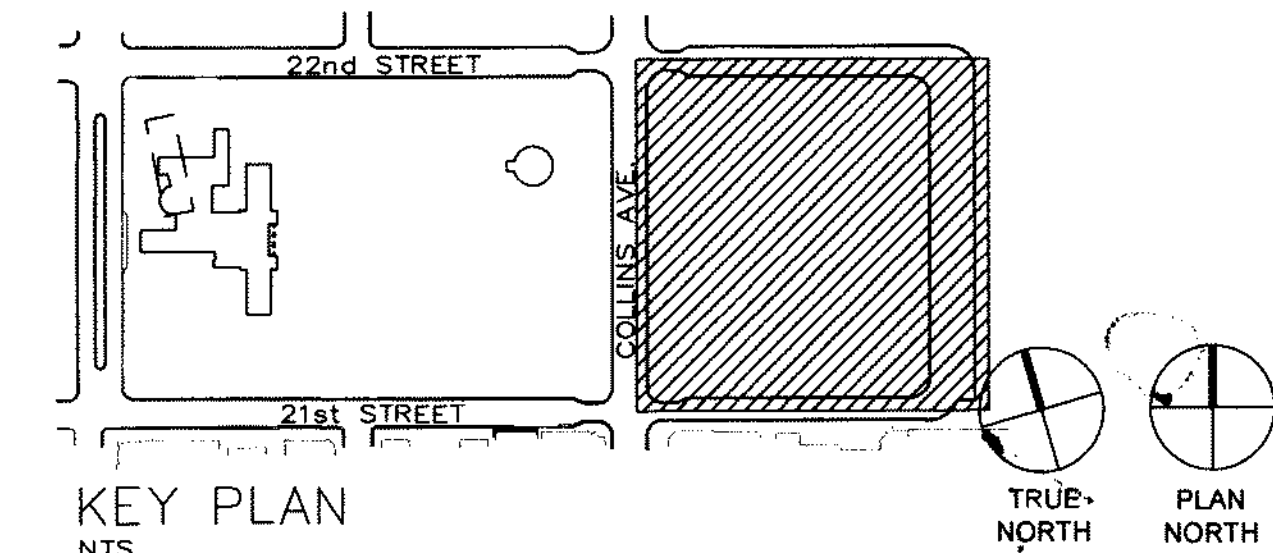
Key			Size & Description	Remarks	Native
AG	Argusia gnaphalodes	Sea Lavendar	3G - 24" OC		yes
B	Portulaca oleracea 'Puerto Rican Purple'	Purslane 'Puerto Rican Purple'	1G - 12" OC		no
HD	Helianthus debilis	Dune Sunflower	1G - 18" OC		yes
IP	Ipomoea pes-caprae	Railroad Vine	1G - 18" OC		yes
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon Holly	3G - 12" OC		no
JC	Juniperus conferta 'Blue Pacific'	Blue Pacific Dwarf Shore Juniper	3G - 24" OC		no
LD	Lantana depressa	Pineland Lantana	1G - 18" OC		yes
LM	Liriope muscari 'Big Blue'	Big Blue Liriope	1G - 18" OC		no
LV	Liriope muscari 'Variegata'	Variegated Liriope	1G - 18" OC		no
MC	Muhlenbergia capillaris	Muhly Grass	1G - 18" OC		yes
MS	Microsorium scolopendrium	Wart Fern	1G - 18" OC		yes
SM	Suriana maritima	Bay Cedar	3G - 24" OC		yes
TD	Tripsacum dactyloides	Fakahatchee Grass	1G - 18" OC		yes
TF	Tripsacum flondanum	Florida Gamagrass	1G - 18" OC		yes
UP	Uniola paniculata	Sea Oats	1G - 18" OC		yes
	Turf Grasses				
PN	Paspalum notatum	Bahia Grass			no
SS	Stenotaphrum secundatum	St. Augustine Grass			yes

PLANT SCHEDULE



AA	Plant Species Key
#	Quantity

SYMBOL LEGEND



KEY PLAN
NTS

DRAWN BY: M. Cullen
CHKD BY: C. Steinbaum
APP'D BY: G. Marston
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
1 11/5/07

VVVT Planning & Design

Wallace Roberts & Todd, LLC
191 Grande Avenue, Penthouse 305.446.0786
Coral Gables, FL 33134 fax 305.443.9831

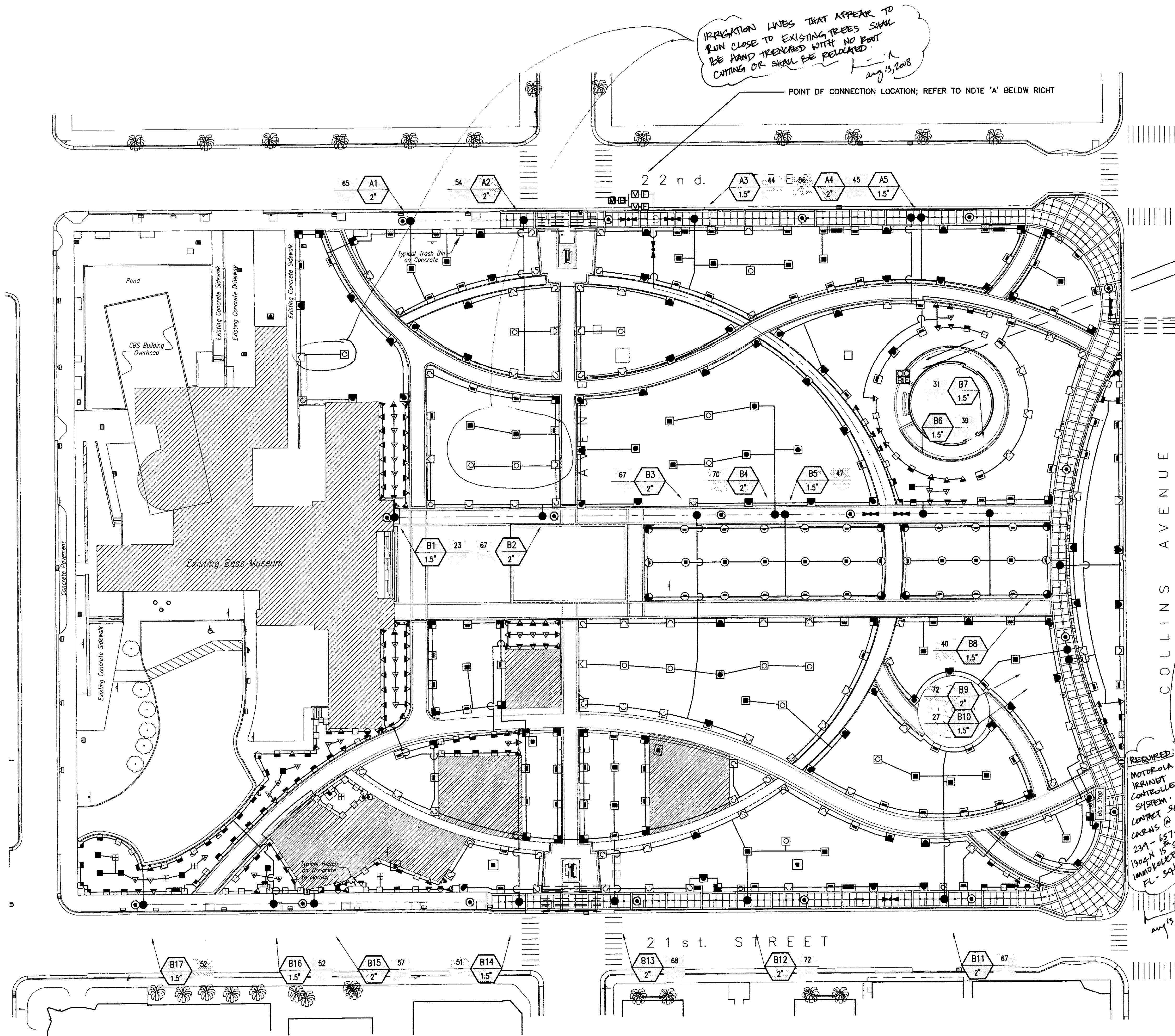
GERALD C. MARSTON, FASLA
FL # 000815
LANDSCAPE ARCHITECTURE

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
SHRUB/GROUNDCOVER
PLANTING PLAN

SCALE: 1" = 20'
NOTE: CONTAINING ALL VERT. DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
L-8



IRRIGATION LINES THAT APPEAR TO RUN CLOSE TO EXISTING TREES SHALL BE HAND TRENCHED WITH NO ROOT CUTTING OR SHALL BE RELOCATED.
Aug 13, 2008

POINT OF CONNECTION LOCATION; REFER TO NOTE 'A' BELDW RIGHT

CONTROLLER 'A' LOCATION; REFER TO NOTE 'B' BELDW
CONTROLLER 'B' LOCATION; REFER TO NOTE 'C' BELOW

NOTE A:
POINT OF CONNECTION SHALL BE A 3" DOMESTIC WATER METER WITH A 3" SERVICE LINE. VERIFY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION CATERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION ANY CHANCES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MINIMUM STATIC WATER PRESSURE 90 PSI
DESIGN WATER PRESSURE 81 PSI
MAXIMUM SYSTEM DEMAND 140 GPM
RESIDUAL WATER PRESSURE 69 PSI

NOTE B:
CONTROLLER 'A' SHALL BE A RAIN MASTER EAGLE MOD. # RME-24-ECT-IC-PMKIT INSTALLED IN A STAINLESS STEEL ENCLOSURE (SEE LEGEND FOR TYPE) FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

NOTE C:
CONTROLLER 'B' SHALL BE A RAIN MASTER EAGLE MOD. # RME-24-ECT-IC-PMKIT INSTALLED IN A STAINLESS STEEL ENCLOSURE (SEE LEGEND FOR TYPE) FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

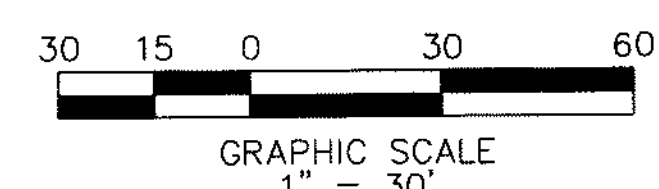
NOTE:
CONTROLLERS ARE DESIGNED TO RUN CONCURRENTLY, AT NO TIME SHALL CONTROLLERS BE RUN SEQUENTIALLY. CONTRACTOR SHALL PROVIDE A LAMINATED NOTE POSTED ON EACH CONTROLLER WITH MINIMUM 1/2" LETTERING STATING THE FOLLOWING:
"IRRIGATION CONTROLLERS ARE DESIGNED TO RUN CONCURRENTLY, AT NO TIME SHALL CONTROLLERS BE RUN SEQUENTIALLY".

NOTE:
MAINLINE SHOWN WITHIN PAVING FOR CLARITY ONLY, ACTUAL MAINLINE LOCATION TO BE A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.

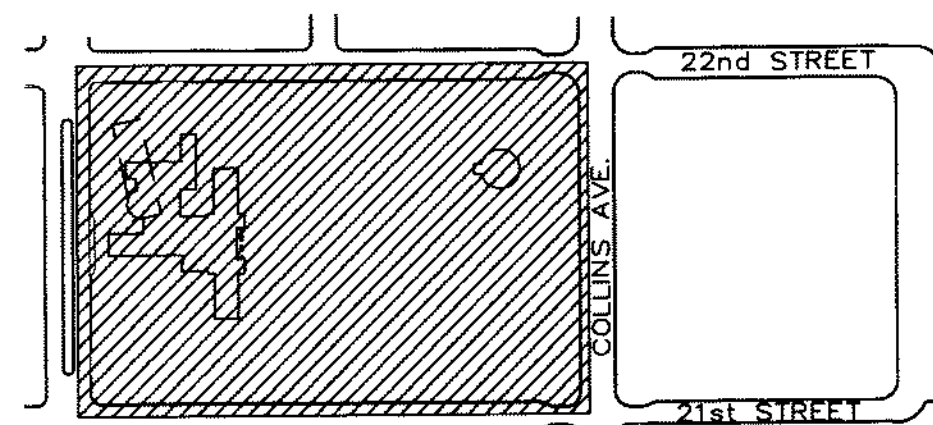
NOTE:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

NOTE:
BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY, ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE ALIGNED WITH TREES AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

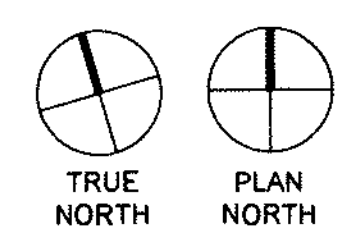
NOTE:
NO TRENCHING FOR IRRIGATION LINES UNDER DRIPLINES.
Aug 13, 2008



sweeney + associates
IRRIGATION DESIGN AND CONSULTING
Florida
110 East Broward Blvd., 17th Floor
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954.763.7243 p - 954.828.1363 f
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www.sweeneyassoc.com
Murrieta, California - Austin, Texas - Ft. Lauderdale, Florida



KEY PLAN
NTS



DRAWN BY: M. Cullen

CHKD BY: C. Steinbaum

APP'D BY: C. Morston

ISSUE DATE:
NOV 08, 2007

REVISIONS:
No. DATE

1 11/5/07

WRT Planning & Design

Wallace Roberts & Todd, LLC
190 Glades Avenue, Fort Lauderdale, FL 33304
305.448.0788
Fax: 305.443.8431

GERALD C. MARSTON, FASLA
FL # 000815
LANDSCAPE ARCHITECTURE

100%

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER:
CITY OF MIAMI BEACH

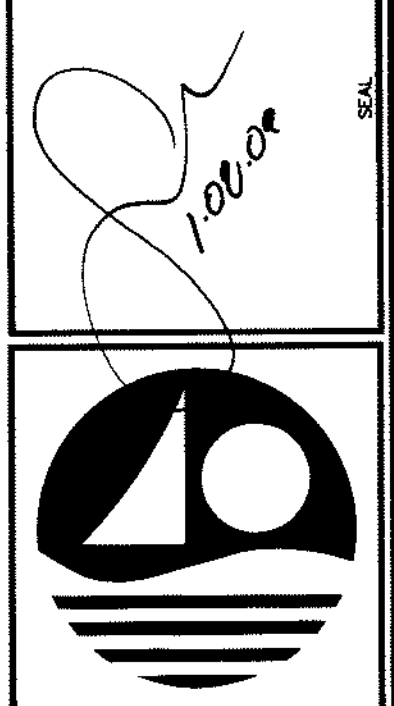
DRAWING TITLE:
IRRIGATION PLAN

SCALE: 1" = 30'
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

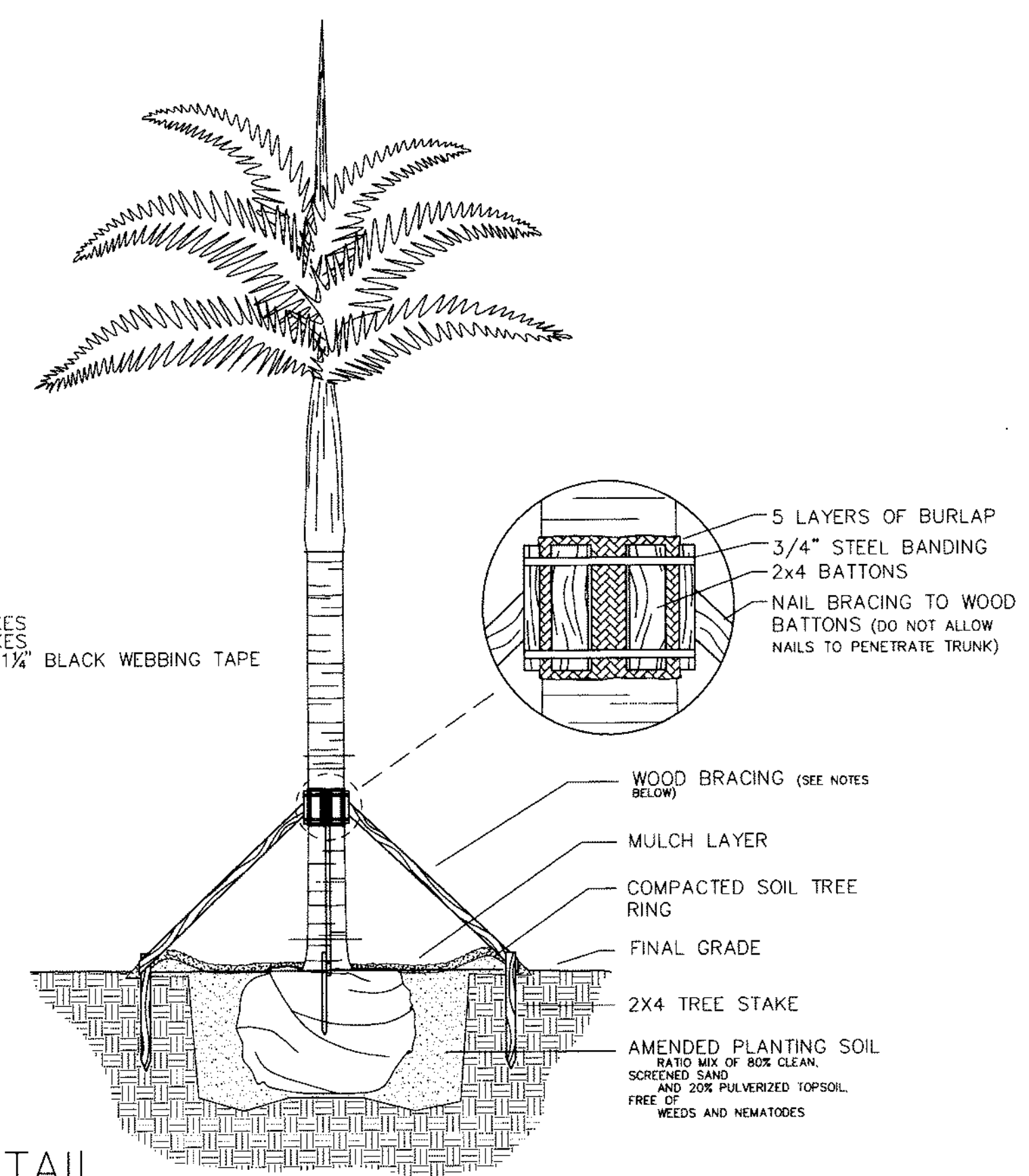
SHEET No.

LI-10

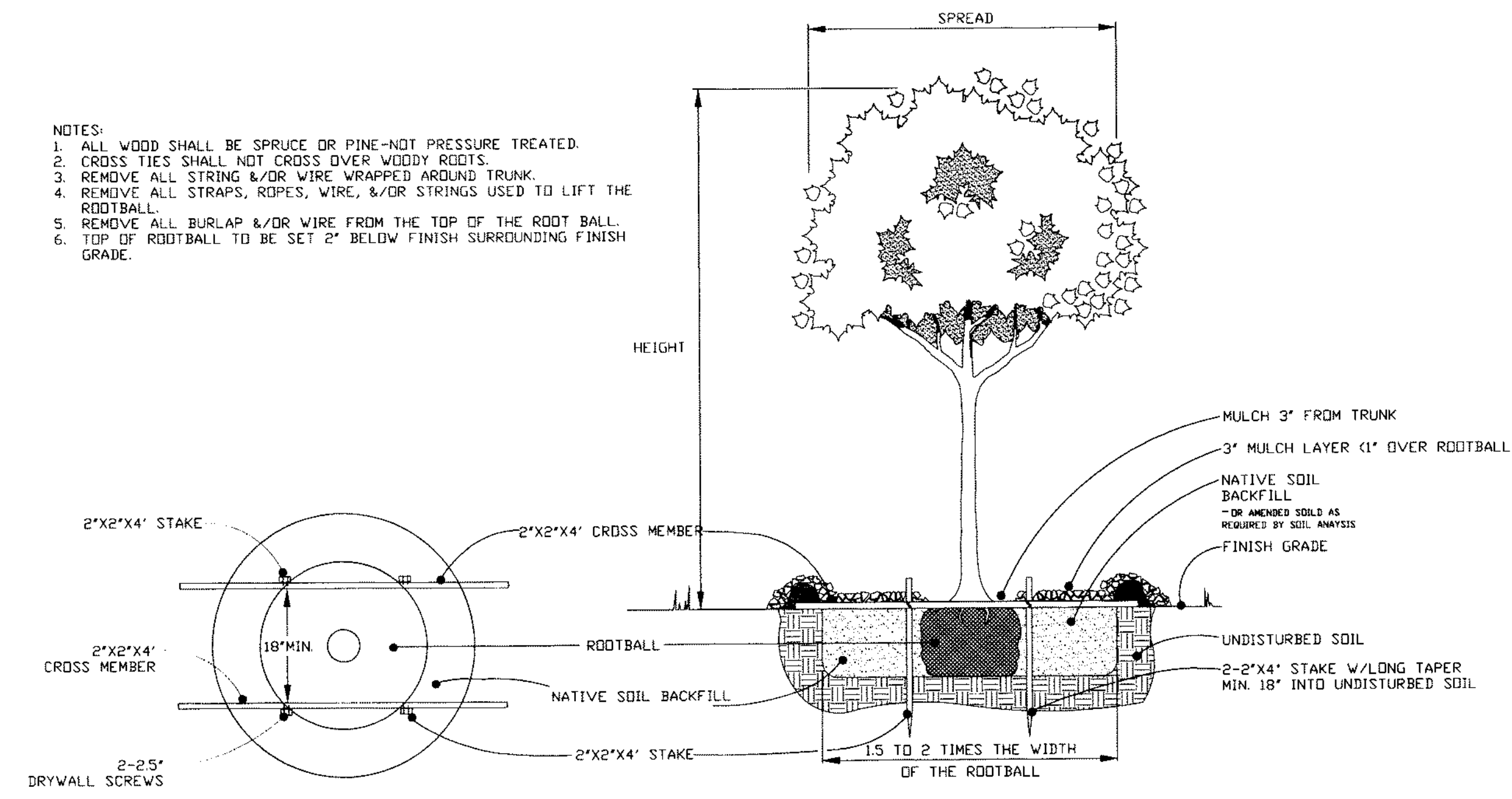
NOT FOR CONSTRUCTION
NOV 08, 2007 PERMIT SET



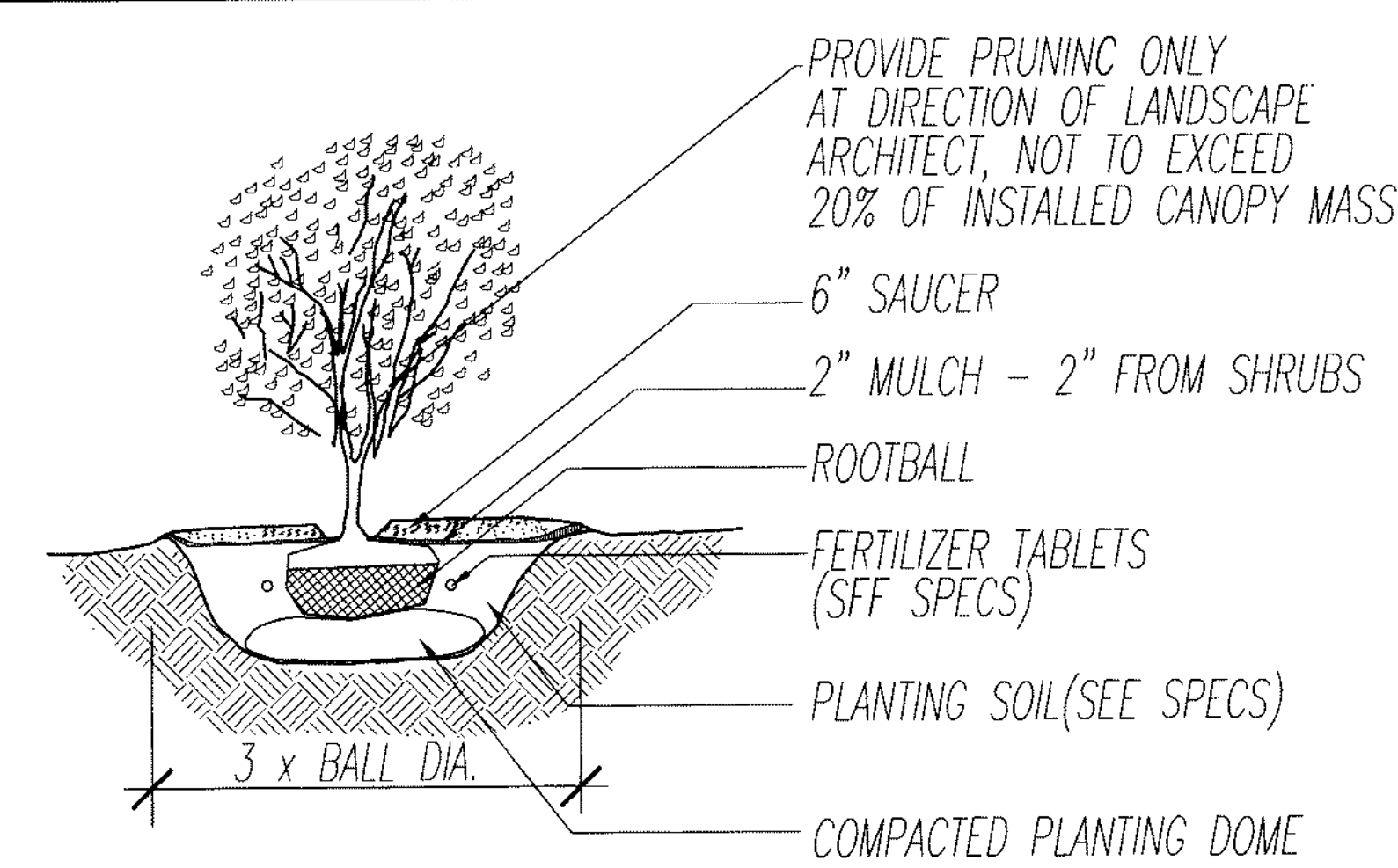
NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION



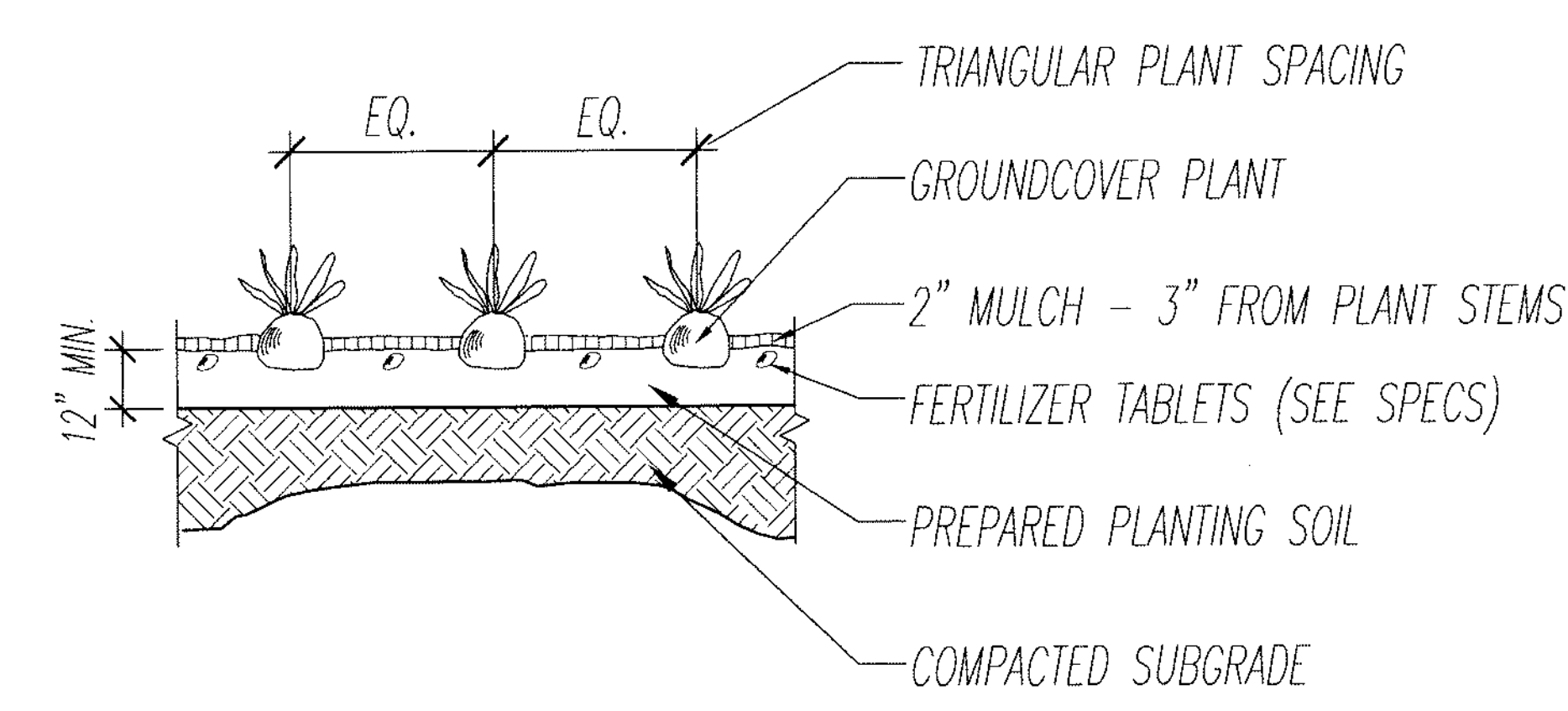
1 PALM PLANTING DETAIL
 SCALE: NTS



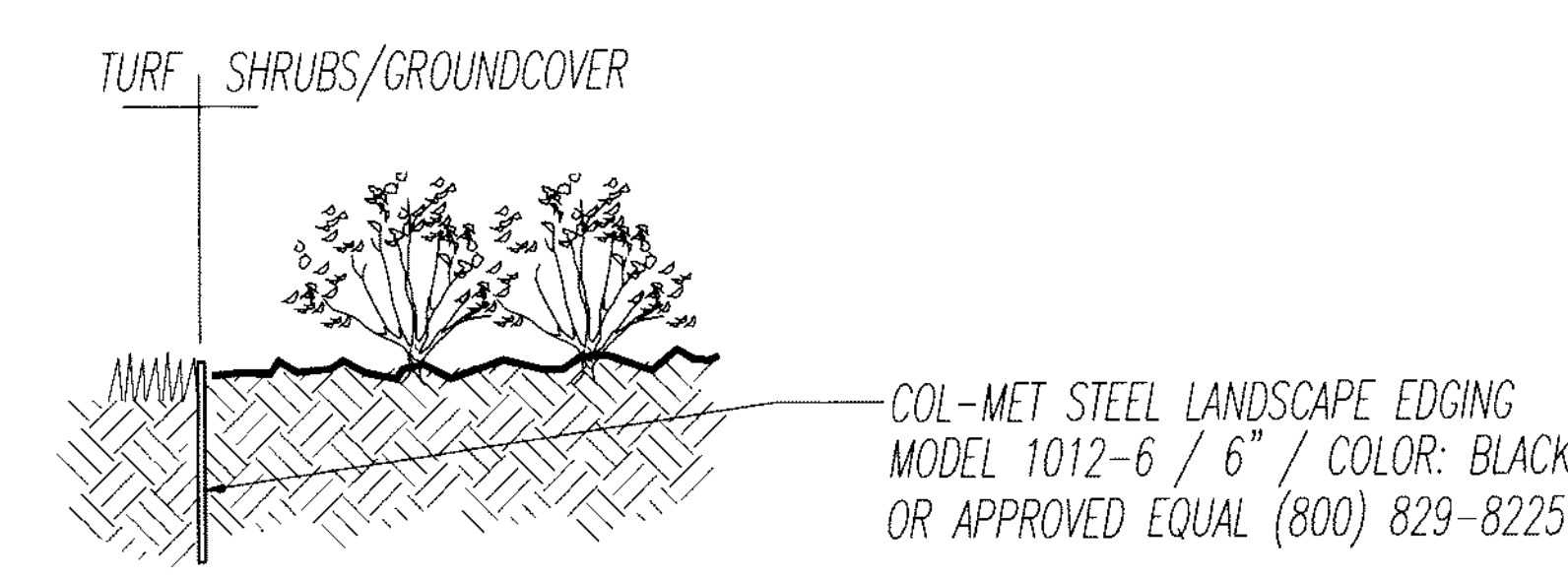
2 TREE PLANTING DETAIL
 SCALE: NTS



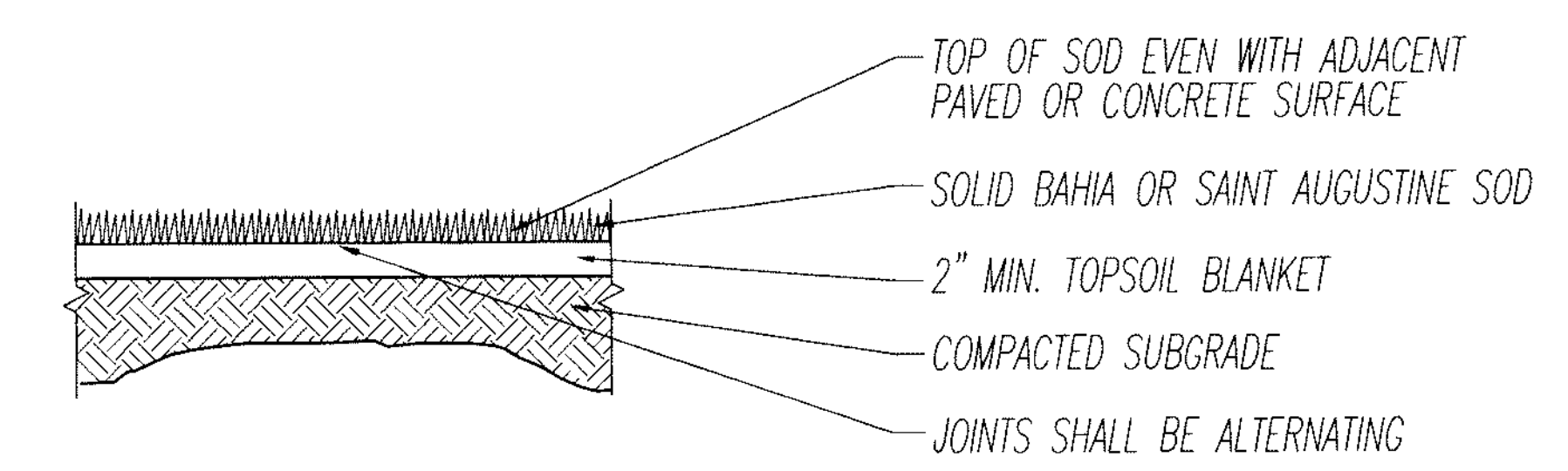
3 SHRUB PLANTING DETAIL
 SCALE: NTS



5 GROUNDCOVER PLANTING DETAIL
 SCALE: NTS



6 METAL LANDSCAPE EDGE
 SCALE: NTS

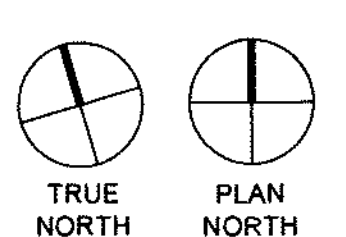


7 SOD DETAIL
 SCALE: NTS

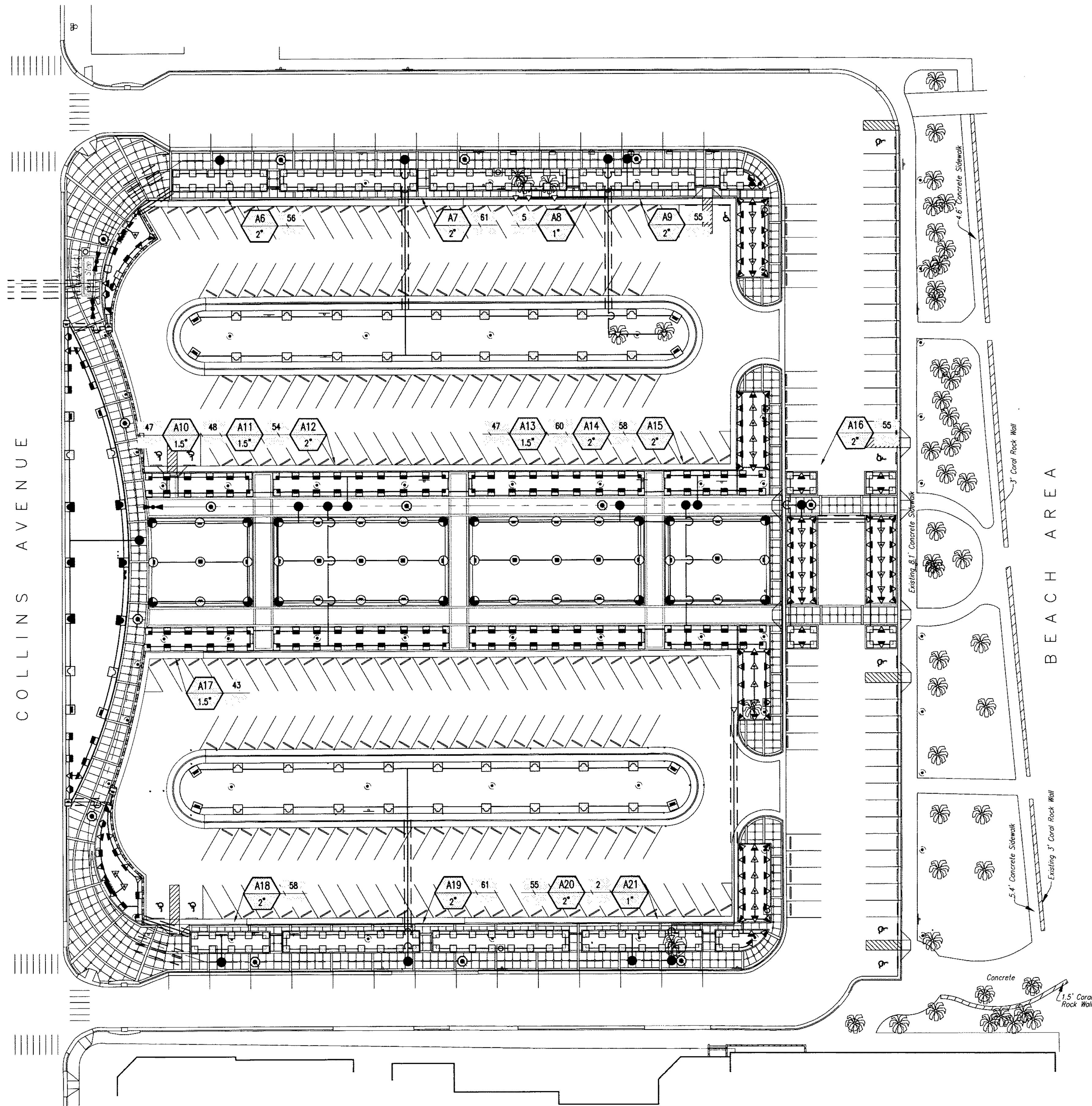
GENERAL NOTES

1. All plant material shall meet or exceed Florida Number One Grade, in accordance with Florida Division of Plant Industry Grades and Standards for Nursery Plants, (1998). Trees with Codominant Trunks, Included Bark and/or Girdling Roots will be Rejected.
2. The plans shall govern over the Planting Schedule. The Contractor shall provide all planting necessary to execute the landscaping as shown on plans, including all ground cover and shrub areas with the species indicated, at the spacing shown on Schedule.
3. All trees 2" minimum caliper unless otherwise noted.
4. No mulch within 3" of base of plant or tree.
5. All pervious areas not otherwise designated shall be sodded.
6. All pervious areas shall be irrigated.
7. Notify the Landscape Architect whenever locations shown on plans for planting cannot be implemented due to field conflicts, utilities, or for any other reason. Obtain clarification before proceeding.
8. Contractor to be responsible for watering in all new material, during period of establishment as necessary, until irrigation system is able to provide adequate watering.

Continued 9/1/07



N:\4000 Projects\4634-01 Collins Park\15-Documents (in Progress)\15-6-100% submission\110807\WRT-IRRIGATION-PLAN.dwg, 11/7/2007 7:29:46 PM, DWG6 ePlot.pc3

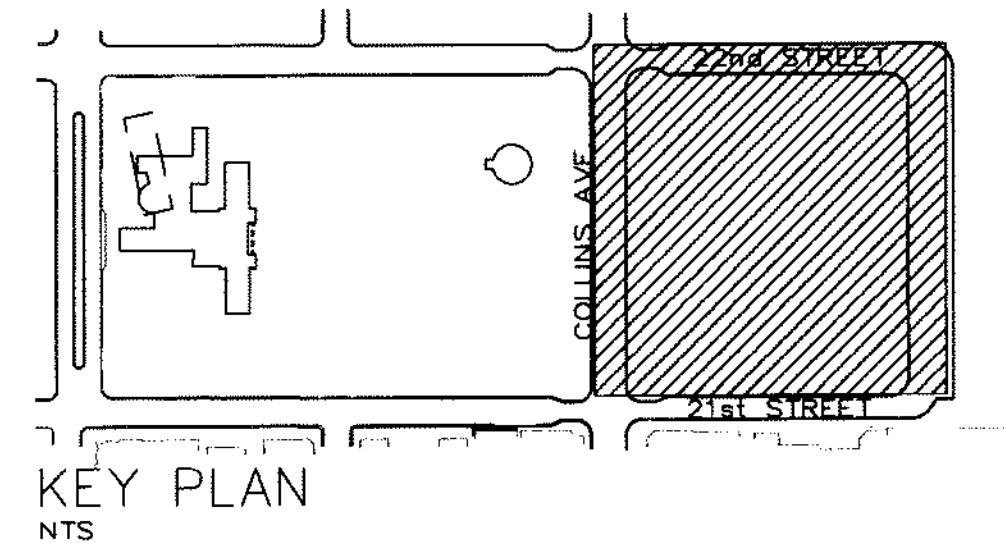
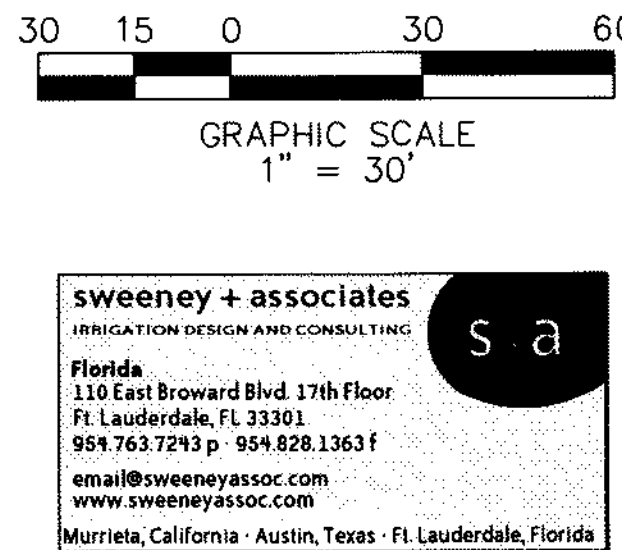


NOTE:
MAINLINE SHOWN WITHIN PAVING FOR CLARITY ONLY, ACTUAL MAINLINE LOCATION TO BE A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.

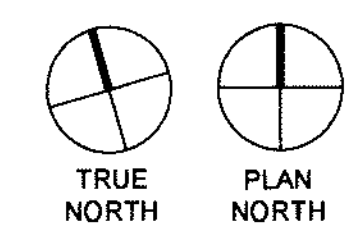
NOTE:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

NOTE:
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NOTE:
NO TRENCHING FOR IRRIGATION LINES UNDER DRIPLINES.
Aug 18, 2008



11/22/09
Verny: 8/9/08



NOV 08, 2007 PERMIT SET NOT FOR CONSTRUCTION

DRAWN BY: M. Cullen	
CHKD BY: C. Steinbaum	
APP'D BY: G. Marston	
ISSUE DATE: NOV 08, 2007	
REVISIONS: No. DATE	
1	11/5/07
WRT Planning & Design	
Wallace Roberts & Todd, LLC 191 Grande Avenue, Fort Pierce, FL 34948-0788 305.468.0788 Coral Gables, FL 33134 Fax 305.463.9431	
GERALD C. MARSTON, FLSA FL # 0000815 LANDSCAPE ARCHITECTURE	
PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA OWNER: CITY OF MIAMI BEACH	
DRAWING TITLE: IRRIGATION PLAN	
SCALE: 1" = 30'	
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK	
SHEET No. L-11	

N:\4000 Projects\4634-01 Collins Park\5-Drawings\11-0807\WRT-IRRIGATION-LEGEND.dwg, 11/7/2007 7:31:06 PM, DWG6 ePlot.pc3

IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY DURING BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

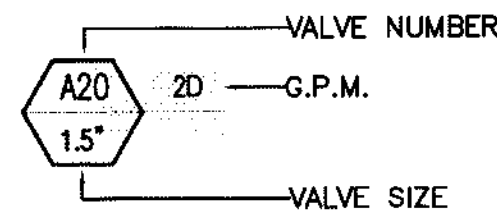
WATER PRESSURE CALCULATIONS				
WATER METER NUMBER		1	WATER METER SIZE	
HYDRAULIC GRADE LINE (FT)			WATER METER ELEVATION (FT)	
ELEVATION DIFFERENCE (FT)			MINIMUM STATIC PRESSURE (PSI)	
REMOTE CONTROL VALVE #		B12	REMOTE CONTROL VALVE SIZE	
R.C.V. DEMAND (GPM)		72	TOTAL DEMAND (GPM)	
HIGHEST HEAD SERVED (FT)			STATIC PRESSURE AT HIGHEST HEAD	
SIZE	DESCRIPTION	FLOW	#	PSI LOSS
3"	SERVICE LINE (50 FT OF TYPE K COPPER)	140	1	1.3
3"	WATER METER (DISC TYPE)	140	2	4.5
3"	BACKFLOW PREVENTOR	140	3	12.0
	FILTRATION (WYE FILTER)	140	4	0.0
	PRESSURE REGULATOR (WILKINS 500HLR)	N/A	5	0.0
3"	BFO ASSEMBLY PIPING (BRASS W/ 4 ELLS)	140	6	1.5
2"	MASTER CONTROL VALVE	72	7	1.8
1 1/2"	FLOW SENSOR	72	8	1.0
3"	ISOLATION VALVES (GATE TYPE)	72	9	2.0
3"	800 FEET OF MAINLINE: CL 200 PVC	72	10	3.4
	FEET OF MAINLINE	N/A	11	0.0
3"	10 - 90 DEGREE ELBOWS	72	12	0.7
2"	REMOTE CONTROL VALVE	72	13	2.3
10%	LATERAL LINE LOSS	N/A	14	4.5
20%	FITTING LOSS (IN ADDITION TO ELBOWS SHOWN)	N/A	15	0.7
N/A	ELEVATION CHANGE (P.O.C. TO HIGHEST HEAD)	N/A	16	0.0
TOTAL SYSTEM PRESSURE LOSS (SUM OF #1 THRU #16)		17	35.7	PSI
PRESSURE REQUIRED AT HEAD		18	45.0	PSI
TOTAL PRESSURE REQUIRED (SUM OF #17 AND #16)		19	80.7	PSI
STATIC WATER PRESSURE (FROM ABOVE)		20	90.0	PSI
RESIDUAL PRESSURE (SUBTRACT #20 FROM #21)		21	9.3	PSI
SET PRV OR MCV AT (#20 PLUS 10 PSI)		22	N/A	PSI
PRESSURE BOOST, IF REQUIRED (SET TO ACHIEVE 30 PSI RESIDUAL)		23	N/A	PSI

Controller : A		IRRIGATION CONTROLLER RUN TIMES					
PLANT TYPE / SPRINKLER TYPE	Eto	AKc	PR RATE	IE	RUN TIME (HOURS)	QUANTITY	RUN TIME (HOURS)
Days Per Week: 6	7.6						
Shrub and Ground Covers:							
Stream Rotor Heads	7.60	0.40	0.60	0.80	0.25	2	0.49
Turf Grass:							
Spray Heads	7.60	0.90	1.74	0.70	0.22	9	1.97
Stream Rotor Heads	7.60	0.90	0.60	0.80	0.55	8	4.43
Trees:							
Bubbler Heads	7.60	0.80	3.00	0.90	0.09	2	0.18
CYCLES PER DAY: 1		TOTAL NUMBER OF STATIONS: 21					
		TOTAL RUN TIME IN HOURS FOR DRIP & BUBBLERS ONLY: 0.18					
		TOTAL RUN TIME IN HOURS ALL SPRAY ZONES: 6.89					
		TOTAL RUN TIME IN HOURS: 7.07					

Controller : B		IRRIGATION CONTROLLER RUN TIMES					
PLANT TYPE / SPRINKLER TYPE	Eto	AKc	PR RATE	IE	RUN TIME (HOURS)	QUANTITY	RUN TIME (HOURS)
Days Per Week: 6	7.6						
Shrub and Ground Covers:							
Stream Rotor Heads	7.60	0.40	0.60	0.80	0.25	2	0.49
Turf Grass:							
Spray Heads	7.60	0.90	1.74	0.70	0.22	7	1.53
Stream Rotor Heads	7.60	0.90	0.60	0.80	0.55	8	4.43
CYCLES PER DAY: 1		TOTAL NUMBER OF STATIONS: 17					
		TOTAL RUN TIME IN HOURS ALL SPRAY ZONES: 6.45					
		TOTAL RUN TIME IN HOURS: 6.45					

IRRIGATION MATERIAL LEGEND

SYMBOL		MANUFACT.	MODEL NO. / DESCRIPTION	CPM	PSI	RADIUS	DETAIL
O	T	H	F				
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS PDP-UP TURF HEAD W/ RAIN BIRD 5-Q/T/H NOZZLES	.10, .13, .20	30 5 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD B-Q/T/H/F NOZZLES	.26, .35, .52, 1.58	30 8 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 1D-Q/T/H/F NOZZLES	.39, .52, .79, 1.57	30 10 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS PDP-UP TURF HEAD W/ RAIN BIRD 12-Q/T/H/F NOZZLES	.65, .87, 1.3, 2.60	30 12 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 15-Q/T/H/F NOZZLES	.93, 1.23, 1.85, 3.70	30 15 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD6-SAM-PRS-15-EST/15-SST PDP-UP TURF HEAD	.61, 1.21	30 4X15 FT 4X30 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	1BD4-5F-B POP-UP BUBBLER HEAD. EACH SYMBOL REPRESENTS TWO BUBBLERS PER TREE. PLACE BUBBLERS AT EDGE OF ROOTBALL ON OPPOSITE SIDES OF TREE. ADJUST PER ROOTBALL SIZE TYPICAL.	.50 (1.0)	30 N/A A
⬇	⬆	⬇	⬆	RAIN BIRD	5012-PC/FC-SAM W/ 5000 MPR-25 NOZZLES (Q, H, F) POP-UP SHRUB ROTOR HEAD	1.0, 1.3B, 1.9B, 3.82	45 25 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	5012-PC/FC-SAM W/ 5000 MPR-30 NOZZLES (Q, H, F) POP-UP SHRUB ROTOR HEAD	1.4, 1.85, 2.96, 5.7B	45 30 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	5012-PC/FC-SAM W/ 5000 MPR-35 NOZZLES (Q, H, F) POP-UP SHRUB ROTOR HEAD	1.92, 2.46, 3.81, 7.5B	45 35 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	5006-PC/FC-SAM W/ 5000 MPR-25 NOZZLES (Q, H, F) POP-UP TURF ROTOR HEAD	1.0, 1.3B, 1.9B, 3.82	45 25 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	5006-PC/FC-SAM W/ 5000 MPR-30 NOZZLES (Q, H, F) POP-UP TURF ROTOR HEAD	1.4, 1.85, 2.96, 5.7B	45 30 FT A
⬇	⬆	⬇	⬆	RAIN BIRD	5006-PC/FC-SAM W/ 5000 MPR-35 NOZZLES (Q, H, F) POP-UP TURF ROTOR HEAD	1.92, 2.46, 3.81, 7.5B	45 35 FT A
ND SYMBOL		RAIN BIRD		ALL SHRUB SPRAY HEADS INSTALLED FARTHER THAN FIVE (5) FEET FROM PAVING, CURBS, SIDEWALKS, STEPS, TURF BOUNDARIES OR OTHER PEDESTRIAN AREAS MAY BE INSTALLED AS A RAIN BIRD PA-B5 SHRUB ADAPTER WITH THE NOZZLE AS SHOWN			N/A
ND SYMBOL		RAIN BIRD		ALL SHRUB ROTOR HEADS INSTALLED FARTHER THAN FIVE (5) FEET FROM PAVING, CURBS, SIDEWALKS, STEPS, TURF BOUNDARIES OR OTHER PEDESTRIAN AREAS MAY BE INSTALLED AS A RAIN BIRD SAME SERIES SHRUB ROTOR WITH THE NOZZLE AS SHOWN			N/A
⬇	⬆			P.O.C.	3" DOMESTIC METER WITH 3" SERVICE LINE, VERIFY SIZE, LOCATION, AND STATIC WATER PRESSURE IN FIELD		N/A
⬇	⬆			WILKINS	475 SERIES, 3" R/P BACKFLOW PREVENTION ASSEMBLY W/ MODEL MJFS VALVE SETTER ASSEMBLY		B
NO SYMBOL				V.I.T.	STRDNC BOX SMOOTH TOUCH BACKFLDW DEVICE ENCLOSURE, SIZE AS REQUIRED		B
⬇	⬆			SUPERIOR	MODEL 32DD 2" NORMALLY CLOSED MASTER CONTROL VALVE		C
⬇	⬆			RAIN MASTER	FS-15D FLOW SENSOR, INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE TO CONTROLLER		D
⬇	⬆			LEEMCO	LMV-XX-BB SELF RESTRAINING, RESILIENT WEDGE GATE VALVE, SIZE PER MAINLINE		E
⬇	⬆			RAIN BIRD	33 DLRC QUICK COUPLER VALVE, INSTALL WITHIN 10" ROUND VALVE BOX		F
⬇	⬆			HUNTER	ICV-XX1C-AS (1", 1 1/2", 2") SERIES PRESSURE REGULATED PLASTIC REMOTE CONTROL VALVE, SIZE AS SHOWN		C
⬇	⬆			RAIN MASTER	RMEXXEG1-PMRKIT EAGLE CONTROLLER WITH INTERNET COMMUNICATIONS CARD (i CENTRAL) AND PERMANENT MOUNTED REMOTE RECEIVER KIT, SIZE PER PLAN, INSTALLED WITHIN STAINLESS STEEL ENCLOSURE. (SEE BELOW FOR TYPE)		H,I
NO SYMBOL				V.I.T.	SB-16SS STRONGBOX STAINLESS STEEL TOP-ENTRY CONTROLLER ENCLOSURE WITH CSA SUB-ASSEMBLY, RGVRS, AND QP-16		H
⬇	⬆			HUNTER	MINI-CLIK RAIN SENSOR, MOUNT TO REAR OF ENCLOSURE AND WIRE TO CONTROLLER		H
⬇	⬆			N/A	12D VOLT ELECTRICAL POWER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD		N/A
---	---			AS APPROVED	PVC PIPE 3/4" - 3" CL. 2DD AS LATERAL LINES 12" BELOW GRADE		J
---	---			AS APPROVED	PVC PIPE 3" CL. 2DD BELL AND GASKET AS MAINLINES 24" BELOW GRADE		J
---	---			AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED PLACE BELOW ALL PAVING, HARDSCAPE, ETC., AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.		K
NO SYMBOL				LEEMCO	ALL FITTINGS USED WITH BELL AND CASKET PIPE SHALL BE LEEMCO "DEEP BELL" DUCTILE IRON FITTINGS. USE LEEMCO JOINT RESTRAINTS ON ALL DIRECTIONAL CHANGES AND DN COUPLINGS WITHIN 50 FEET OF DIRECTIONAL CHANGE. USE JOINT RESTRAINTS ON ALL EQUIPMENT INSTALLED ON RING TITE PIPE.		M
ND SYMBOL				AS APPROVED	IRRIGATION CONTROL WIRE #14UF AWC DIRECT BURIAL (U.L. APPROVED)		J,K,L
NO SYMBOL				3M	DBY-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED)		L



NOT FOR CONSTRUCTION

DRAWN BY: M. Cullen
CHKD BY: C. Steinbaum
APP'D BY: G. Morston
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
1 11/5/07

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305.545.9851

GERALD C. MORSTON, FASLA
FL # 000815
LANDSCAPE ARCHITECTURE


1-08-08



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETScape
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

IRRIGATION LEGEND & NOTES

SCALE: N.T.S.
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

DRAWING TITLE

SHEET No.

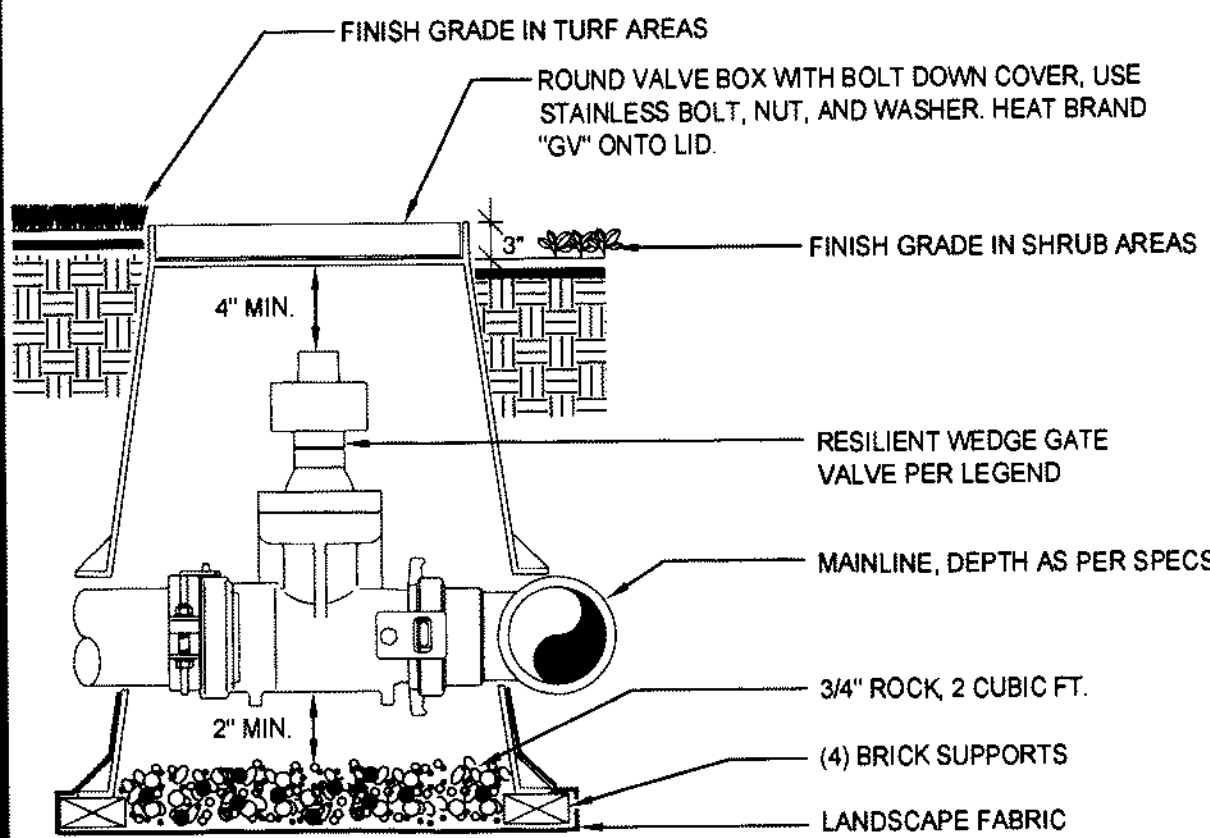
1L-1

sweeney + associates

IRRIGATION DESIGN AND CONSULTING

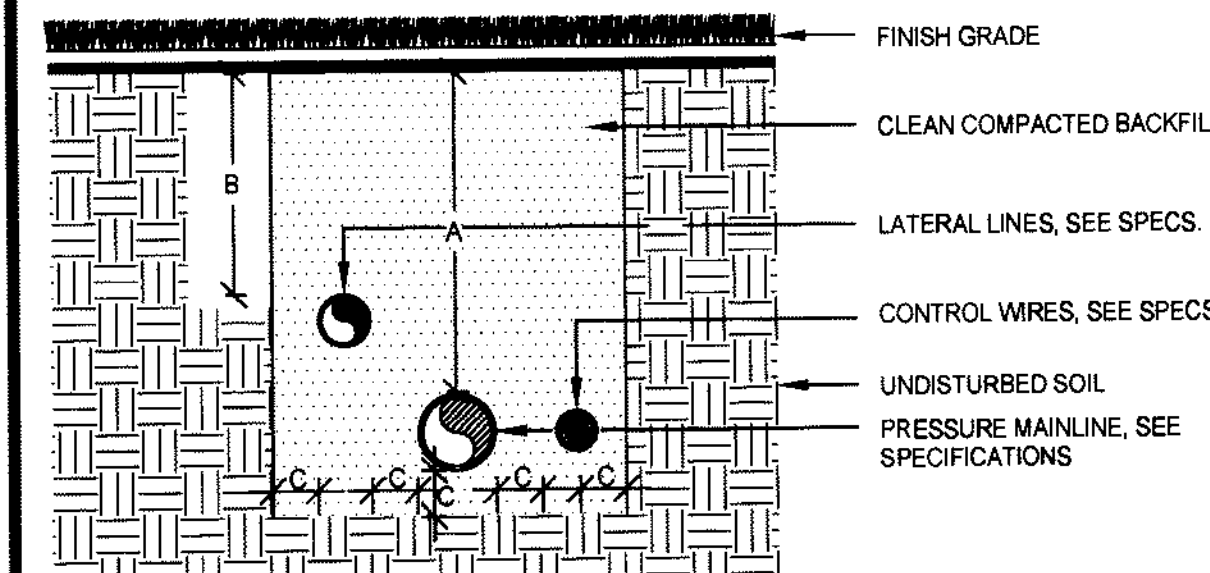
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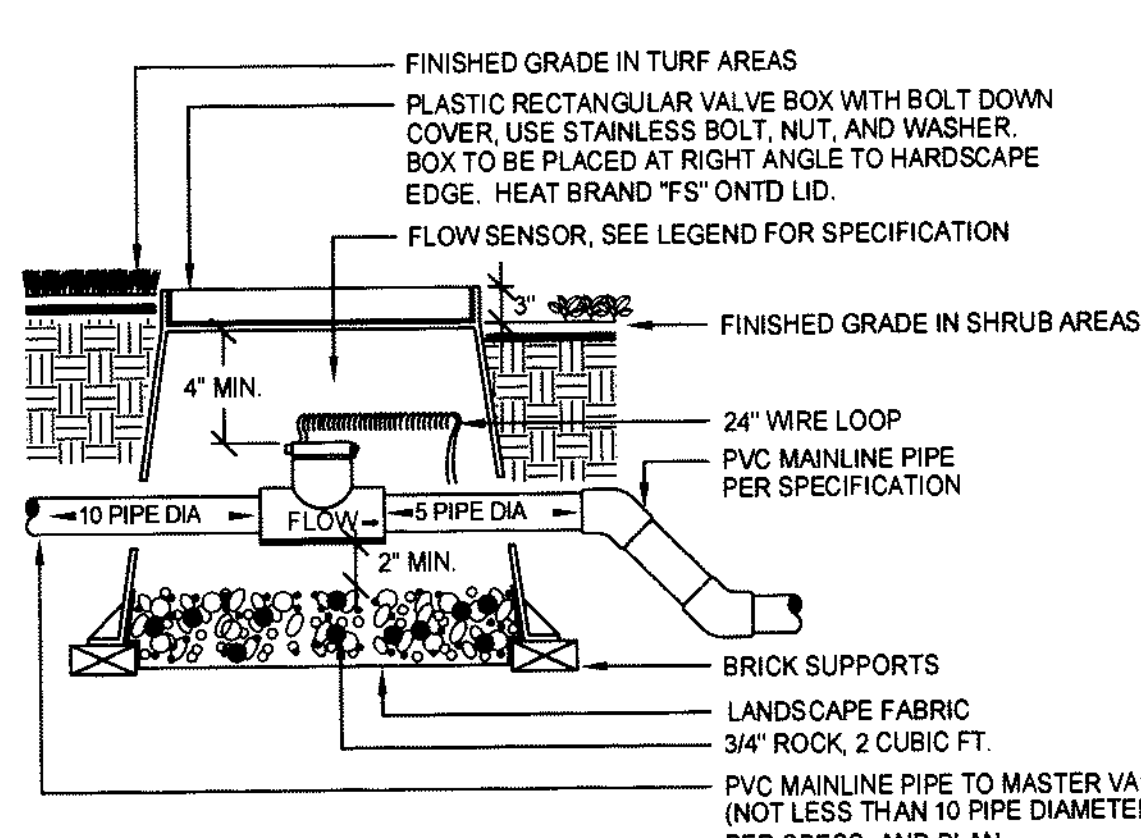
NOTE:
BOX TO BE INSTALLED TO ALLOW FOR PROPER OPERATION OF GATE VALVE.
INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE
INSTALLATION AT MAINLINE DEPTH.
ALL THREADED CONNECTIONS SHALL HAVE TEFLON TAPE OR PASTE.

(E) GATE VALVE



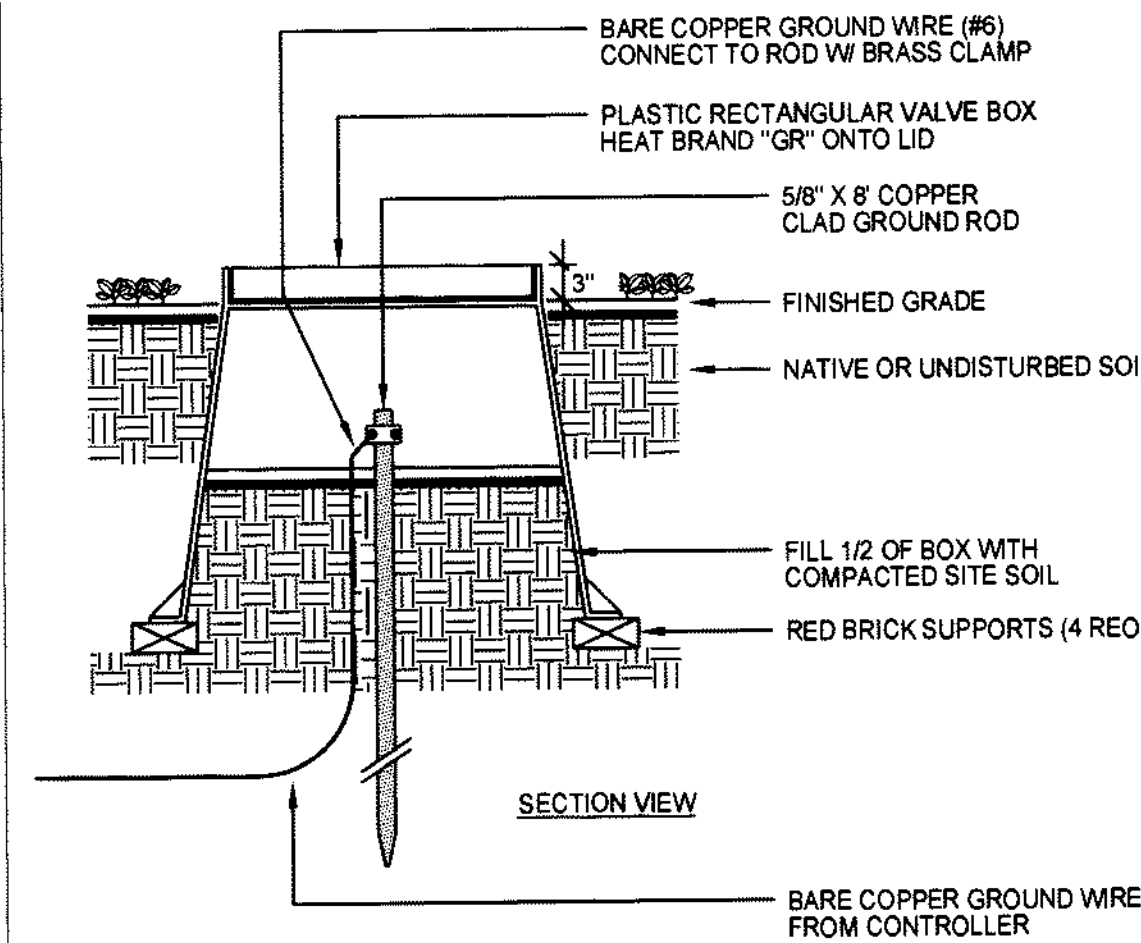
DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	18"	12"	4"
3" TO 6" IN SIZE	24"	4"	

(J) PIPE INSTALLATION

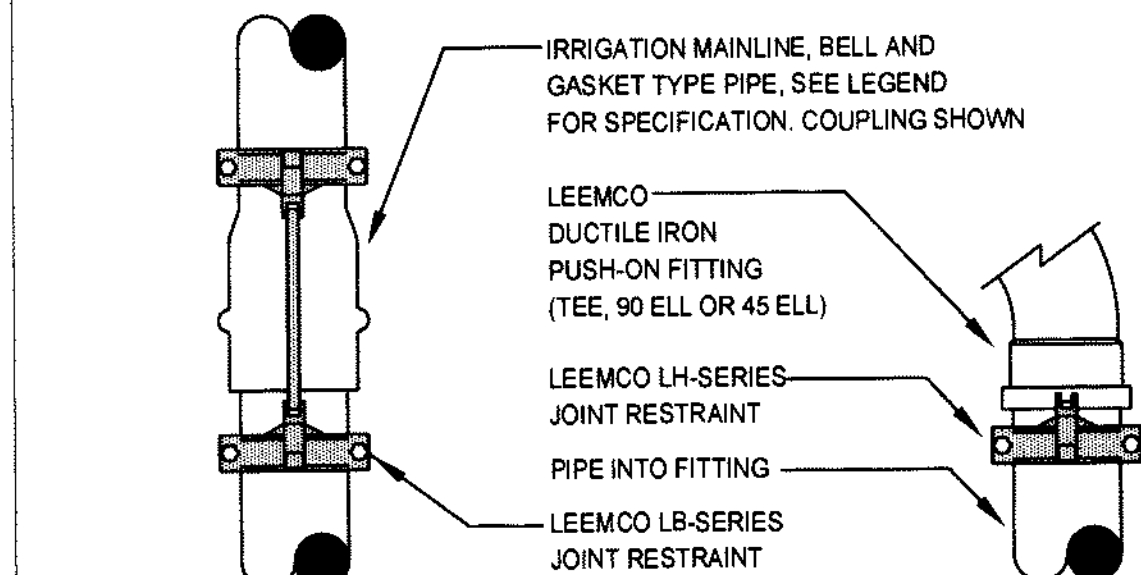


NOTE:
INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO
IRRIGATION CONTROLLER.
USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWN-STREAM SIDE
OF THE FLOW SENSOR.

(D) FLOW SENSOR

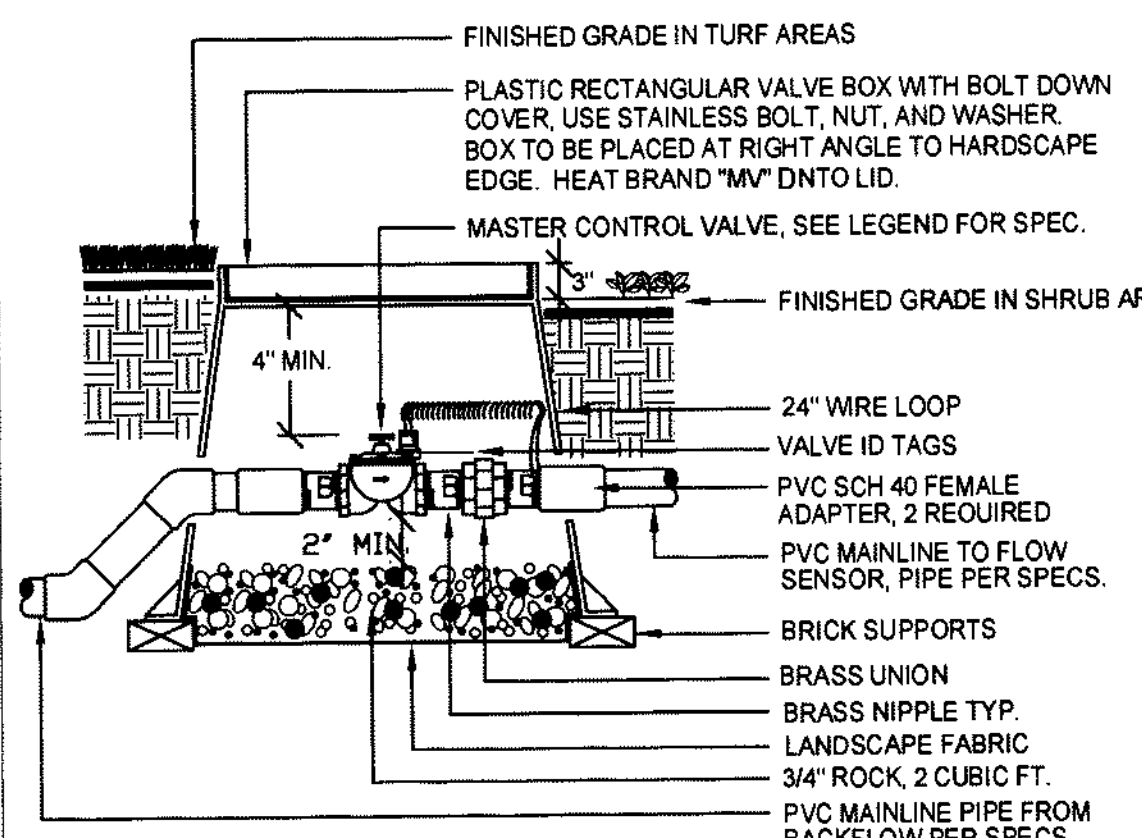


(I) GROUND ROD INSTALLATION



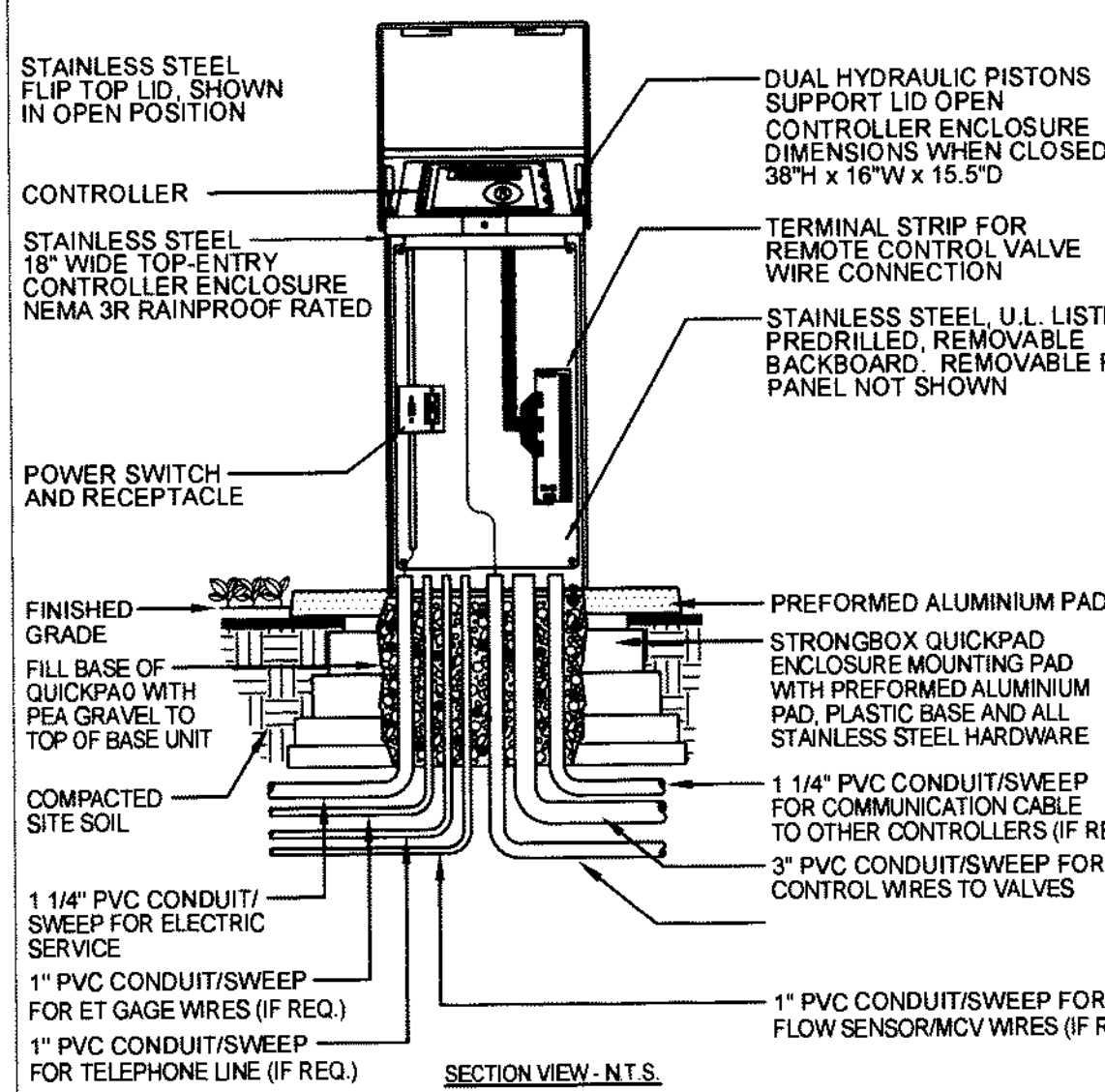
USE JOINT RESTRAINTS ON ALL BELL AND GASKET MAINLINE PIPE
USE THRUST BLOCKS ON ALL SOLVENT WELD MAINLINE PIPE
USE LB SERIES RESTRAINTS FOR BELL AND GASKET JOINTS
USE LH SERIES RESTRAINTS FOR PVC PIPE TO LEEMCO FITTINGS
INCLUDING 45 ELLS, 90 ELLS, MAINLINE TEES, AND VALVE STUB OUTS
USE TWO LH SERIES RESTRAINTS AND TWO TIE-BARS FOR PUSH ON
GATE VALVES. SEE LEEMCO RECOMMENDATIONS
USE TWO LMJ SERIES RESTRAINTS (CONSISTING OF ONE LH SERIES
RESTRAINT AND TWO MJ-LK LINKS) FOR FLANGED GATE VALVES
USE TWO LMJ SERIES RESTRAINTS (CONSISTING OF ONE LH SERIES
RESTRAINT AND TWO MJ-LK LINKS) FOR FLANGED BUTTERFLY VALVES
SIZE OF RESTRAINT TO BE AS PER PIPE AND FITTING USED

(M) PIPE RESTRAINTS

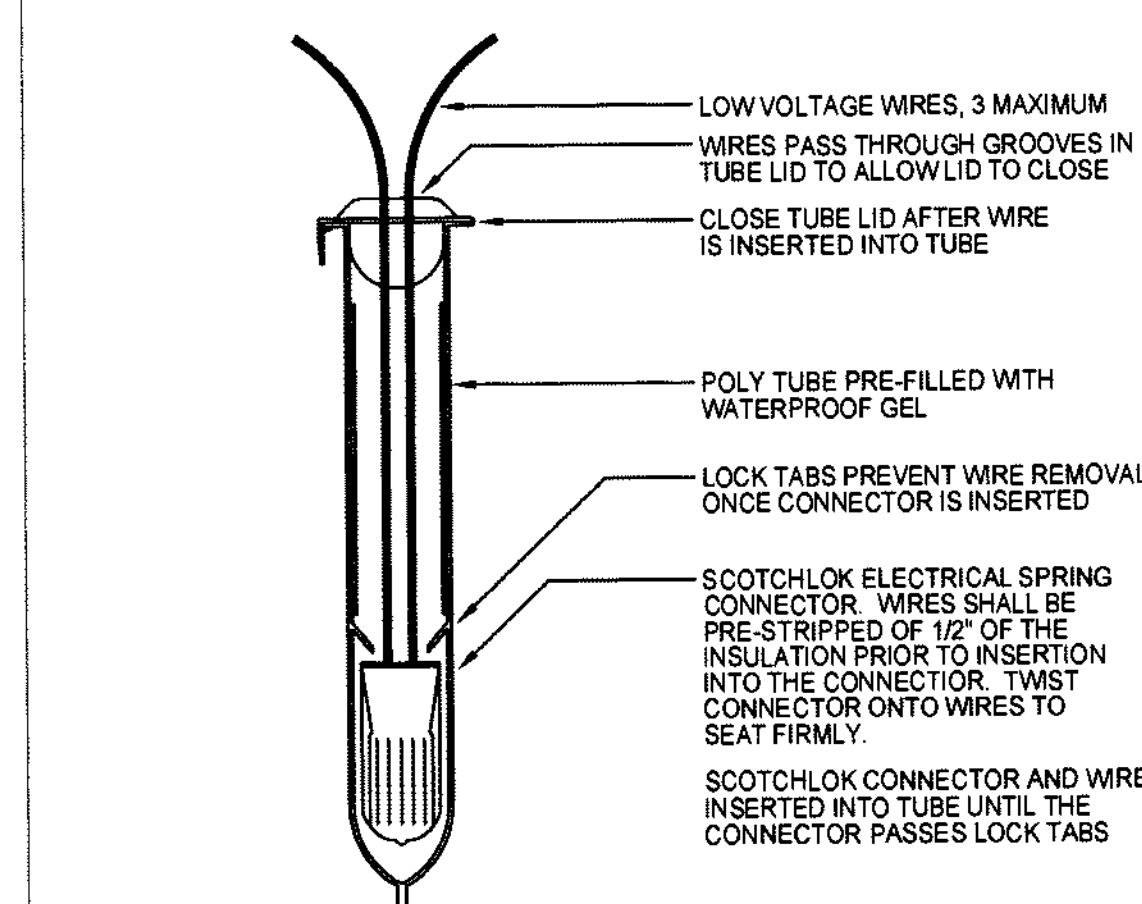


NOTE:
USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM UP-STREAM SIDE OF
THE MASTER VALVE ASSEMBLY.

(C) MASTER CONTROL VALVE

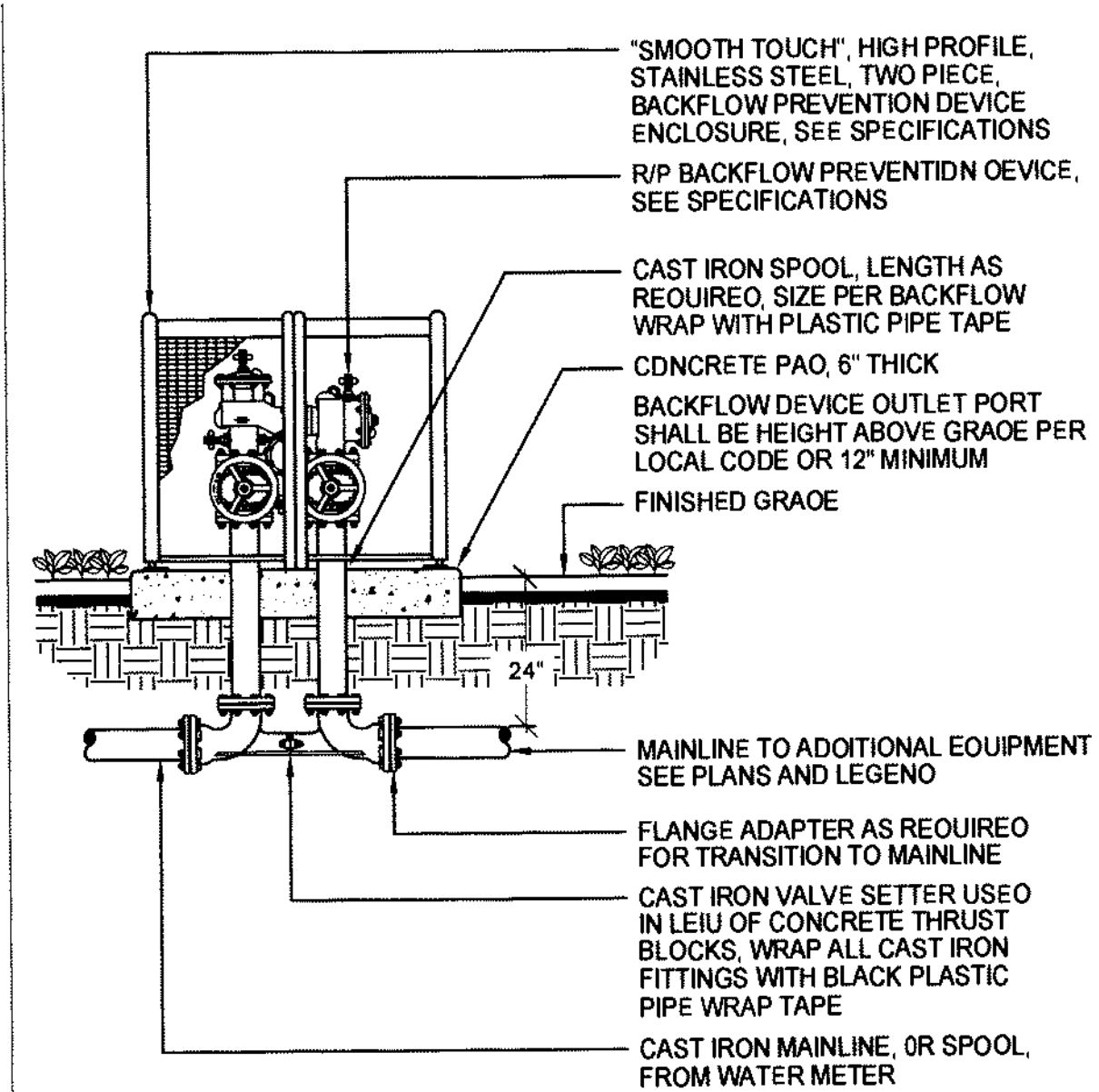


(H) CONTROLLER ENCLOSURE

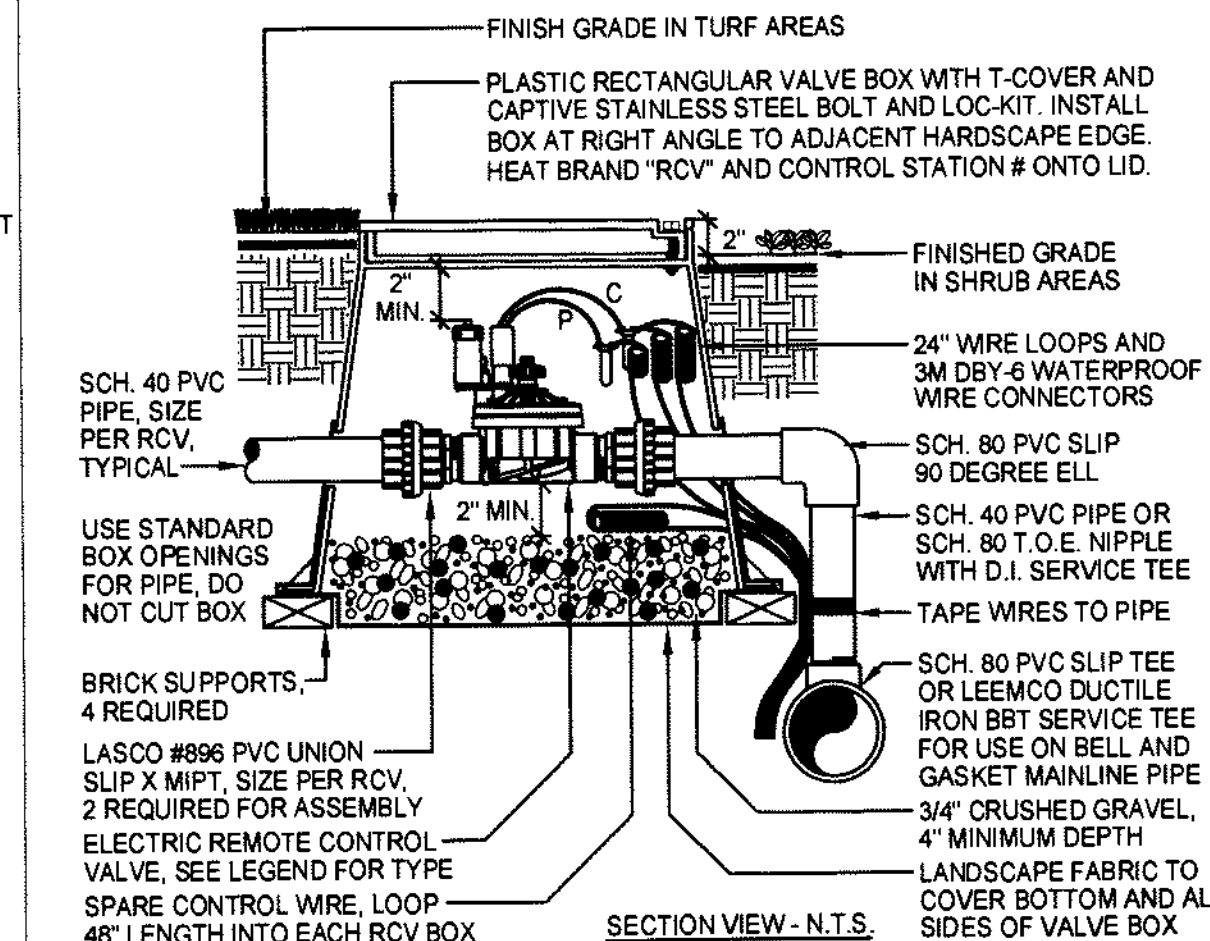


NOTE:
WIRE CONNECTOR SHALL BE A 3M DRY-6 DIRECT BURY SPLICE KIT.
KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A
WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.
DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER
WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

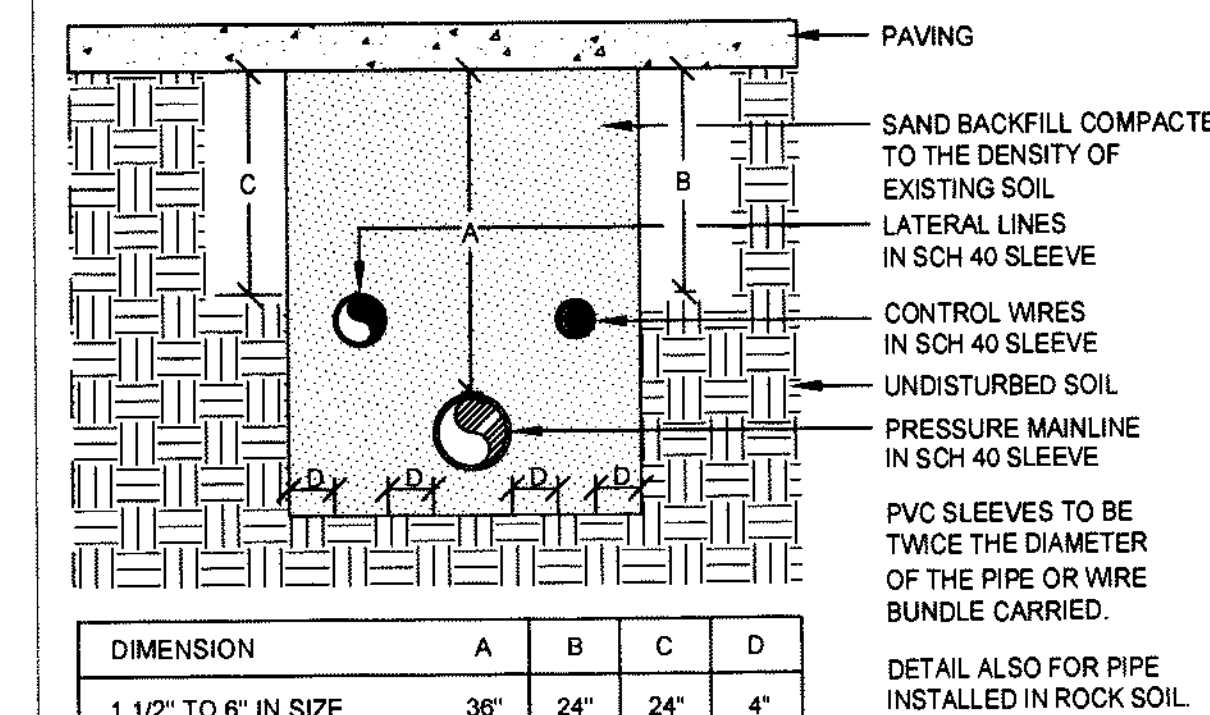
(L) WIRE CONNECTION



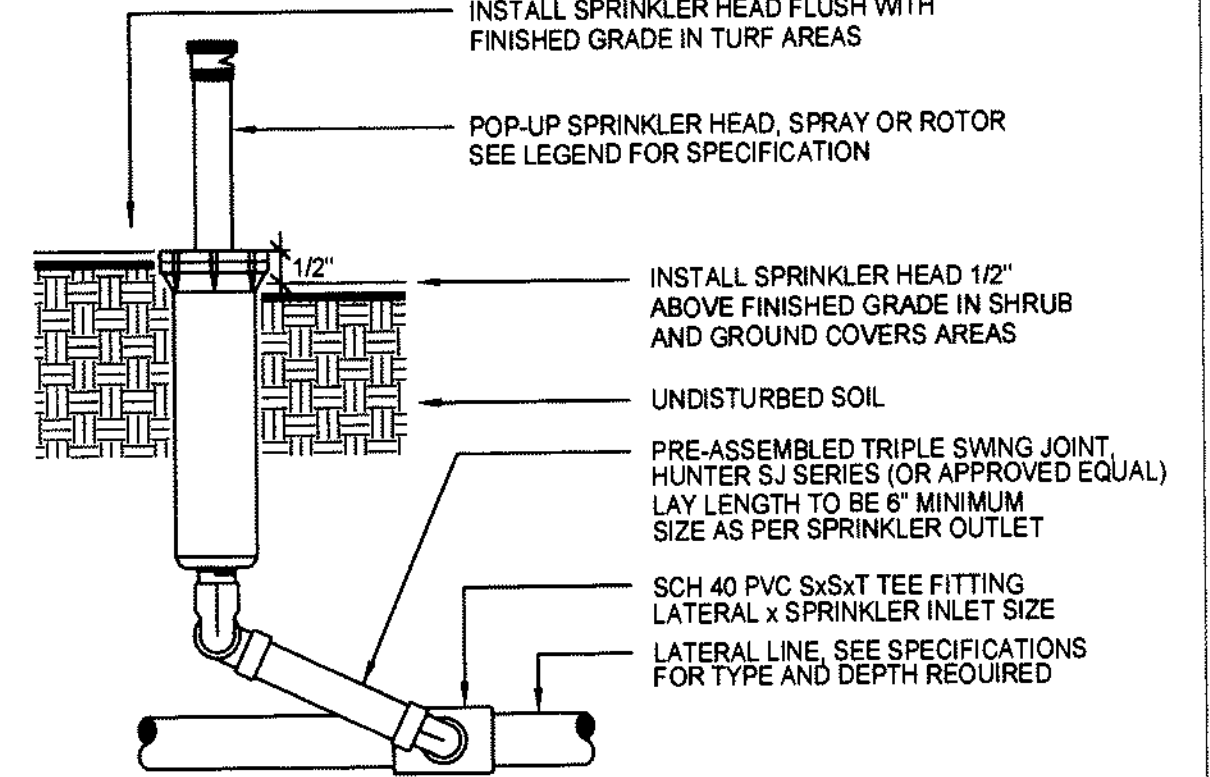
(B) BACKFLOW DEVICE



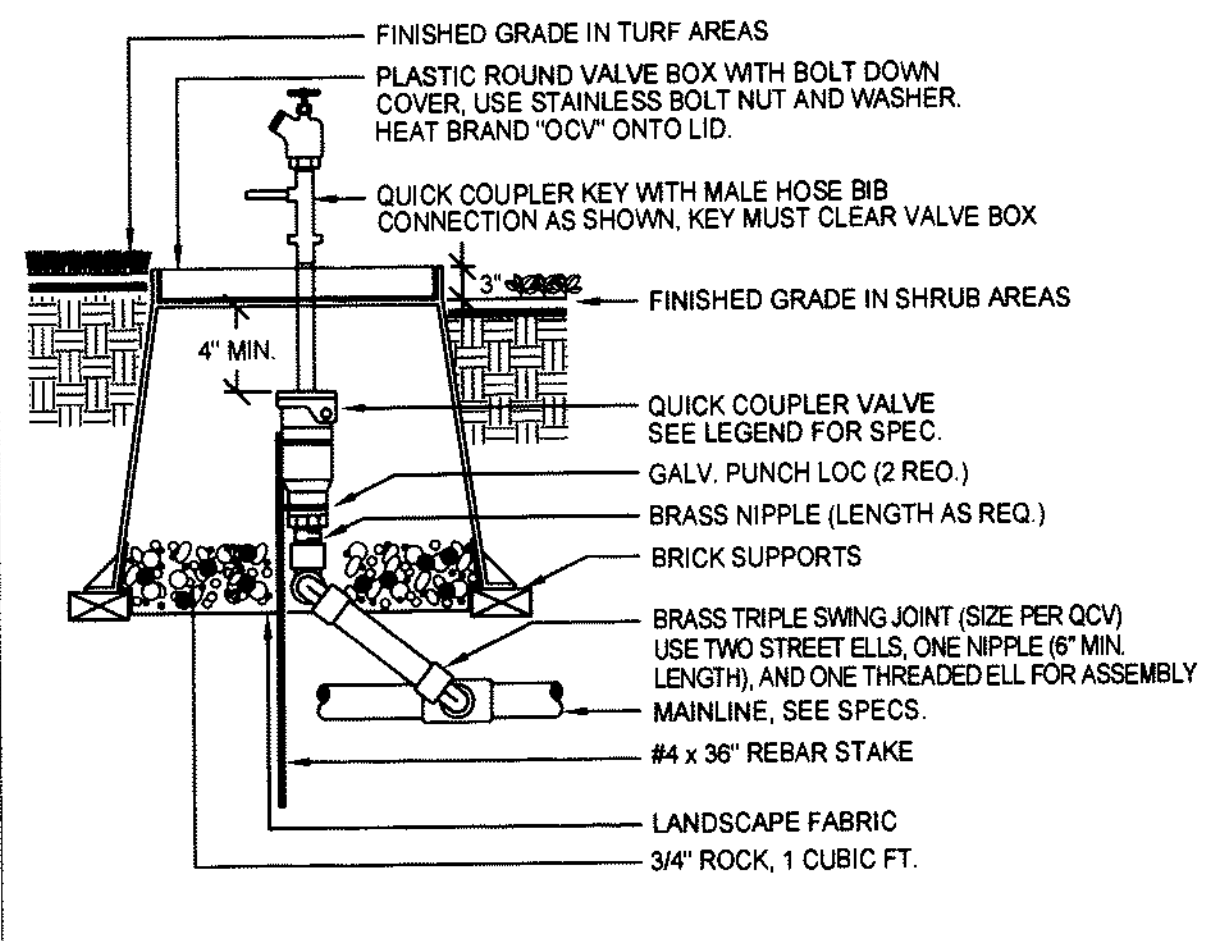
(G) REMOTE CONTROL VALVE



(K) SLEEVE INSTALLATION



(A) POP-UP SPRINKLER



(F) QUICK COUPLER VALVE

NOTE:
USE TEFLON TAPE ON ALL THREADED FITTINGS TYPICAL.

DRAWN BY: M. Cullen

CHKD BY: C. Steinbourn

APP'D BY: G. Marston

ISSUE DATE:
NOV 08, 2007

REVISIONS:
No. DATE

1 11/5/07

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GERALD C. MARSTON, FASLA
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LANDSCAPE ARCHITECTURE

NOT FOR CONSTRUCTION

NOV 08, 2007 PERMIT SET

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
IRRIGATION DETAILS

SCALE: N.T.S.

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
ID-1

W 01/22/09

Donny J. 9/8/08

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BUILDING CODE CRITERIA

A. SITEWORK:
1. GOVERNING BUILDING CODE: FLORIDA BUILDING CODE, (FBC); 2004 EDITION, WITH 2006 SUPPLEMENT.

B. ROTUNDA BUILDING:

1. **DESCRIPTION OF EXISTING BUILDING:** THE EXISTING BUILDING WAS CONSTRUCTED IN THE 1960S. IT IS AN UNOCCUPIABLE UTILITY BUILDING, AND IT INCLUDES NO PRIMARY FUNCTION.
A. WALLS: LOAD-BEARING CMU WALLS, CLAD WITH PRE-CAST CONCRETE PANELS.
B. ROOF DECK: CEMENTITIOUS WOOD-FIBER PLANKS ON STEEL BAR JOISTS.
C. WINDOWS: INSULATED TRANSLUCENT SANDWICH PANEL SYSTEM.

2. **GOVERNING BUILDING CODE:** FLORIDA EXISTING BUILDING CODE (FEBC), INCLUDING REFERENCES TO FLORIDA BUILDING CODE, BUILDING (FBC); 2004 EDITION, WITH 2006 SUPPLEMENT.
A. PER FBC SECTION 102.2, "ADDITIONS, ALTERATIONS, REPAIRS AND CHANGES OF USE OR OCCUPANCY GROUP IN ALL BUILDINGS AND STRUCTURES SHALL COMPLY WITH THE PROVISIONS PROVIDED IN CHAPTER 34 OF THIS CODE."
B. PER FBC SECTION 3401.1, "ALTERATION, REPAIR, ADDITION, RELOCATION AND CHANGE OF OCCUPANCY OF EXISTING STRUCTURES AND BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF THE 2004 FLORIDA EXISTING BUILDING CODE."
3. **USE AND OCCUPANCY CLASSIFICATION:** GROUP U, UTILITY AND MISCELLANEOUS (BUILDINGS AND STRUCTURES OF AN ACCESSORY CHARACTER AND MISCELLANEOUS STRUCTURES NOT CLASSIFIED IN ANY SPECIFIC OCCUPANCY).
4. **TYPE OF CONSTRUCTION:** THE EXISTING BUILDING IS 1-STORY, LESS THAN 20 FT HIGH, AND LESS THAN 400 SQ FT IN FLOOR AREA. THEREFORE, PER FBC TABLE 503, THE TYPE OF CONSTRUCTION MUST BE AT LEAST EQUIVALENT TO TYPE V-B.
A. PER FBC SECTION 602.5, "...., THE STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE."

5. **CLASSIFICATION OF WORK (REPAIRS AND ALTERATIONS):**
A. REPAIRS:
I. SCOPE: PATCHING OR RESTORATION OF MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES FOR THE PURPOSE OF MAINTAINING SUCH MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES IN GOOD OR SOUND CONDITION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:
1. CLEANING AND REFURBISHMENT OF PRECAST CONCRETE WALL PANELS, CONCRETE FLOOR SLAB AND CONCRETE UNIT MASONRY WALLS.
II. PERMITTED MATERIALS: PER FEBC SECTION 401.2, WORK SHALL BE DONE USING MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION OR USING LIKE MATERIALS SUCH THAT NO HAZARD TO LIFE, HEALTH OR PROPERTY IS CREATED.
III. CONFORMANCE: PER FEBC SECTION 401.3, THE WORK SHALL NOT MAKE THE BUILDING LESS CONFORMING TO THE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL OR FIRE CODES OF THE JURISDICTION, OR TO ALTERNATIVE MATERIALS, DESIGN AND METHODS OF CONSTRUCTION, OR ANY PREVIOUSLY APPROVED PLANS, MODIFICATIONS, ALTERNATIVE METHODS, OR COMPLIANCE ALTERNATIVES, THAN IT WAS BEFORE THE REPAIR WAS UNDERTAKEN.
B. LEVEL 1 ALTERATIONS:
I. SCOPE: REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:
1. REROOFING.
2. REMOVAL AND REPLACEMENT OF ROOF EXHAUST FAN.
3. REMOVAL AND REPLACEMENT OF ALUMINUM-FRAMED TRANSLUCENT WALL PANELS.
4. REMOVAL AND REPLACEMENT OF DOOR ASSEMBLIES.
II. CONFORMANCE: PER FEBC SECTION 501.3, AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE OR ENERGY EFFICIENT THAN ITS EXISTING CONDITION.
1. IF IN THE ALTERATION THE CURRENT LEVEL OF SAFETY OR SANITATION IS TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE FBC, BUILDING.
III. MATERIALS AND METHODS: ALL NEW WORK SHALL COMPLY WITH MATERIALS AND METHODS REQUIREMENTS IN THE FBC AND THE FLORIDA FIRE PREVENTION CODE AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.
IV. REROOFING: PER FEBC SECTION 511.1, MATERIALS AND METHODS OF APPLICATION USED FOR RECOVERING OR REPLACING AN EXISTING ROOF COVERING SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 15 OF THE FBC, BUILDING.
1. PER FBC SECTION 1512.2.1, "ALL ROOFING COMPONENTS, ROOFING SYSTEMS AND ROOFING ASSEMBLIES SHALL HAVE A VALID AND CURRENT PRODUCT APPROVAL."
2. PER FBC SECTION 1514.1, "ALL ROOF COVERINGS, ROOF SYSTEMS AND ROOF ASSEMBLIES SHALL BE DESIGNED AND INSTALLED TO RESIST THE WINDLOAD REQUIREMENTS OF CHAPTER 16 (HIGH-VELOCITY HURRICANE ZONES) OF THIS CODE."
3. PER FBC SECTION 1514.2, "ALL ROOF FLASHING AND TERMINATIONS SHALL BE DESIGNED AND INSTALLED TO RESIST THE WINDLOAD REQUIREMENTS OF CHAPTER 16 (HIGH-VELOCITY HURRICANE ZONE) OF THIS CODE, AND SHALL BE IN COMPLIANCE WITH THE PROVISIONS SET FORTH IN RAS 111."
V. ROOF DIAPHRAGM: PER FEBC SECTION 507.2.2, WHERE ROOFING MATERIALS ARE REMOVED FROM MORE THAN 50 PERCENT OF THE ROOF DIAPHRAGM OF A BUILDING OR SECTION OF A BUILDING WHERE THE ROOF DIAPHRAGM IS A PART OF THE MAIN WINDFORCE-RESISTING SYSTEM, THE INTEGRITY OF THE ROOF DIAPHRAGM SHALL BE EVALUATED AND IF FOUND DEFICIENT BECAUSE OF INSUFFICIENT OR DETERIORATED CONNECTIONS, SUCH CONNECTIONS SHALL BE PROVIDED OR REPLACED.
VI. REPLACEMENT OF WINDOWS AND DOORS:
1. PER FEBC SECTION 507.3, THE REPLACEMENT OF EXTERIOR DOORS AND WINDOWS SHALL BE DESIGNED AND CONSTRUCTED TO COMPLY WITH CHAPTER 16 OF THE FBC, BUILDING.
A. PER FBC SECTION 1601.1, BUILDINGS AND STRUCTURES LOCATED WITHIN THE HVHZ SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 1612 THROUGH 1626.
C. LEVEL 2 ALTERATIONS:
I. SCOPE: RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:
1. ALTERATION OF INTERIOR NON-LOADBEARING CMU PARTITIONS.
2. NEW INTERIOR DOOR ASSEMBLY, TO BE INSTALLED IN NEW CMU PARTITION.
II. COMPLIANCE: PER FEBC SECTION 601.3, ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE FBC.
D. LEVEL 3 ALTERATIONS: NOT APPLICABLE.
E. ADDITIONS, HISTORIC BUILDINGS, RELOCATED BUILDINGS: NOT APPLICABLE.

6. **ACCESSIBILITY:** SINCE THE EXISTING ROTUNDA BUILDING IS "UNOCCUPIABLE" UTILITY BUILDING AND IT DOES NOT INCLUDE A "PRIMARY FUNCTION", IT IS DEEMED TO BE EXEMPT FROM REQUIREMENTS FOR BARRIER REMOVAL, INCLUDING BUT NOT LIMITED TO ACCESSIBLE ENTRANCE AND VERTICAL ACCESSIBILITY REQUIREMENTS.
A. VERTICAL ACCESSIBILITY:
I. PER FBC SECTION 11-4.1.3(5), VERTICAL ACCESSIBILITY SHALL BE PROVIDED TO ALL LEVELS ABOVE AND BELOW THE OCCUPIABLE GRADE LEVEL, EXCEPT FOR:
1. 11-4.1.3(5) (1): MECHANICAL ROOMS;
2. 11-4.1.3(5) (2): UNOCCUPIABLE SPACES (E.G., ROOMS, ENCLOSED SPACES, AND STORAGE SPACES THAT ARE NOT DESIGNED FOR HUMAN OCCUPANCY, FOR PUBLIC ACCOMMODATIONS, OR FOR WORK AREAS); AND
3. 11-4.1.3(5) (3): SMALL OCCUPIABLE SPACES AND ROOMS THAT ARE NOT OPEN TO THE PUBLIC (E.G., EQUIPMENT CONTROL ROOMS).
II. AS PROVIDED IN SECTION 553.509, FS, BUILDINGS, STRUCTURES, AND FACILITIES MUST, AT A MINIMUM, COMPLY WITH THE REQUIREMENTS OF ADAAG. THEREFORE, FACILITIES SUBJECT TO THE ADA MAY BE REQUIRED TO PROVIDE VERTICAL ACCESS TO AREAS OTHERWISE EXEMPT UNDER SECTION 11-4.1.3(5)(3) OF THE CODE.
B. PRIMARY FUNCTION:
I. PER FBC SECTION 11-3.5, "....MECHANICAL ROOMS, BOILER ROOMS, SUPPLY STORAGE ROOMS, EMPLOYEE LOUNGES OR LOCKER ROOMS, JANITORIAL CLOSETS, ENTRANCES, CORRIDORS, AND RESTROOMS ARE NOT AREAS CONTAINING A PRIMARY FUNCTION."
II. PRIMARY FUNCTION: PER FBC SECTION 11-4.1.1, "....MECHANICAL ROOMS, BOILER ROOMS, SUPPLY STORAGE ROOMS, EMPLOYEE LOUNGES OR LOCKER ROOMS, JANITORIAL CLOSETS, ENTRANCES, CORRIDORS, AND RESTROOMS ARE NOT AREAS CONTAINING A PRIMARY FUNCTION."

7. **STRUCTURAL:**
A. WHERE ALTERATION WORK INCLUDES INSTALLATION OF ADDITIONAL EQUIPMENT THAT IS STRUCTURALLY SUPPORTED BY THE BUILDING OR RECONFIGURATION OF SPACE SUCH THAT PORTIONS OF THE BUILDING BECOME SUBJECTED TO HIGHER GRAVITY LOADS AS REQUIRED BY TABLE 1615 AND SECTION 1615.2 OF THE FBC, BUILDING, THE PROVISIONS OF SECTION 607 SHALL APPLY.
B. WIND LOADS:
I. CLASSIFICATION OF BUILDING / IMPORTANCE FACTOR - SEE STRUCTURAL DWG. S1.0
II. WIND VELOCITY - SEE STRUCTURAL DWG. S1.0
III. EXPOSURE CATEGORY C - SEE STRUCTURAL DWG. S1.0
C. IMPACT TESTS:
I. PER FBC SECTION 1626.1, ALL PARTS OF THE BUILDING ENVELOPE (E.G., EXTERIOR WALLS, ROOF, OUTSIDE DOORS, GLAZING) SHALL MEET IMPACT TEST CRITERIA OR BE PROTECTED WITH AN EXTERNAL PROTECTION DEVICE THAT MEETS THE IMPACT TEST CRITERIA.

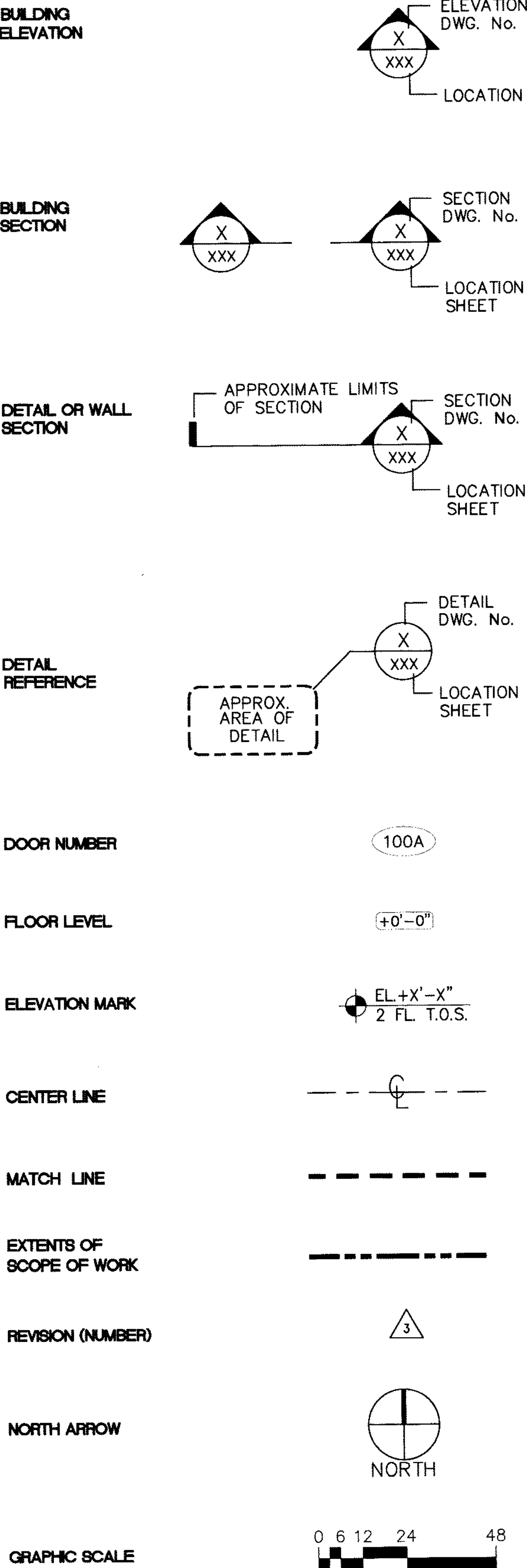
8. **ELECTRICAL:** ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 27 OF THE FBC, BUILDING.

9. **MECHANICAL:** EXISTING MECHANICAL SYSTEMS UNDERGOING REPAIR SHALL COMPLY WITH SECTION 301.11 OF THE FBC, MECHANICAL.

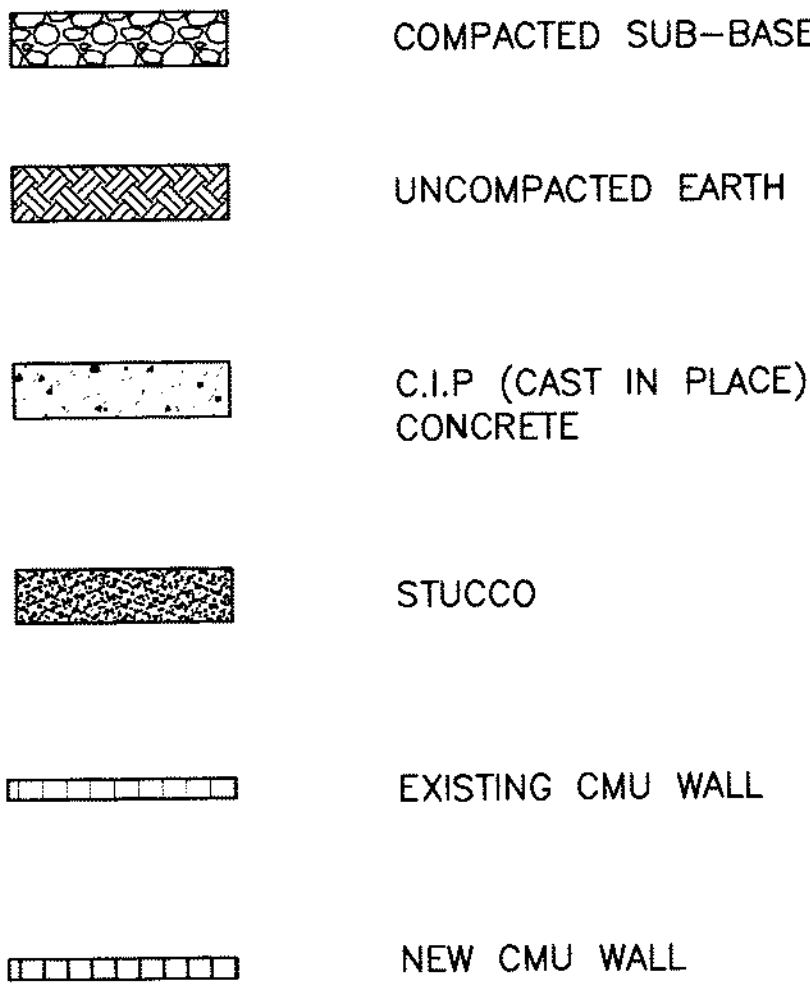
10. **PLUMBING:** ALL NEWLY INSTALLED PLUMBING MATERIALS SHALL COMPLY WITH SECTION 610.2 OF THE FEBC.

11. **ENERGY CONSERVATION:** THIS BUILDING IS NEITHER HEATED NOR COOLED BY A MECHANICAL SYSTEM DESIGNED TO CONTROL OR MODIFY THE INDOOR TEMPERATURE, AND THEREFORE IS EXEMPT FROM COMPLIANCE WITH REQUIREMENTS FOR ENERGY CONSERVATION.
A. PER FBC SECTION 13-101.5 EXEMPT BUILDINGS, "BUILDINGS EXEMPT FROM COMPLIANCE WITH THIS CHAPTER INCLUDE THOSE DESCRIBED IN SECTIONS 101.5.1 THROUGH 101.5.7."
I. PER FBC SECTION 13-101.5.3, "ANY BUILDING WHICH IS NEITHER HEATED NOR COOLED BY A MECHANICAL SYSTEM DESIGNED TO CONTROL OR MODIFY THE INDOOR TEMPERATURE AND POWERED BY ELECTRICITY OR FOSSIL FUELS. SUCH BUILDINGS SHALL NOT CONTAIN ELECTRICAL, PLUMBING OR MECHANICAL SYSTEMS WHICH HAVE BEEN DESIGNED TO ACCOMMODATE THE FUTURE INSTALLATION OF HEATING OR COOLING EQUIPMENT."

GRAPHIC SYMBOLS



MATERIAL SYMBOLS



ABBREVIATIONS

A/E	ARCHITECT/ENGINEER/ARCHITECT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BLDG	BUILDING
CIP	CAST-IN-PLACE CONCRETE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DET	DETAIL
DWG	DRAWING
EL	ELEVATION
EQ	EQUAL
FIN	FINISH (ED)
MAX	MAXIMUM
M/E/P	MECHANICAL/ELECTRICAL/PLUMBING
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
SIM	SIMILAR
TYP	TYPICAL
W/	WITH

AREA CALCULATIONS

GROSS SQUARE FOOTAGE OF ROTUNDA: 1868 SF.	
GROSS SQUARE FOOTAGE OF STREETSCAPE:	
CONCRETE SIDEWALK PAVING :	38,200 SF.
NEW ASPHALTIC PAVING :	2,500 SF.
MILL AND RE-PAVE STREETS :	11,850 SF.
GROSS SQUARE FOOTAGE OF WALKWAY PAVING :	
MAIN BOULEVARD AND CURVED WALKS :	18,200 + 23,000 = 41,200 SF.
OVAl PATH PERMEABLE CONCRETE :	4,500 SF.

DRAWN BY: KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE
NOT USED
PERMIT REVISIONS MAY 02, 2008

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5-14-09

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
CODE ANALYSIS
NOTES, SYMBOLS, ABBREVIATIONS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A0.2

BUILDING CODE CRITERIA

A. SITEWORK:

1. GOVERNING BUILDING CODE: FLORIDA BUILDING CODE, (FBC); 2004 EDITION, WITH 2006 SUPPLEMENT.

B. ROTUNDA BUILDING:

1. DESCRIPTION OF EXISTING BUILDING: THE EXISTING BUILDING WAS CONSTRUCTED IN THE 1960S. IT IS AN UNOCCUPIABLE UTILITY BUILDING, AND IT INCLUDES NO PRIMARY FUNCTION.

A. WALLS: LOAD-BEARING CMU WALLS, CLAD WITH PRE-CAST CONCRETE PANELS.

B. ROOF DECK: CEMENTITIOUS WOOD-FIBER PLANKS ON STEEL BAR JOISTS.

C. WINDOWS: INSULATED TRANSLUCENT SANDWICH PANEL SYSTEM.

2. GOVERNING BUILDING CODE: FLORIDA EXISTING BUILDING CODE (FIBC), INCLUDING REFERENCES TO FLORIDA BUILDING CODE, BUILDING (FBC); 2004 EDITION, WITH 2006 SUPPLEMENT.

A. PER FBC SECTION 102.2, "ADDITIONS, ALTERATIONS, REPAIRS AND CHANGES OF USE OR OCCUPANCY GROUP IN ALL BUILDINGS AND STRUCTURES SHALL COMPLY WITH THE PROVISIONS PROVIDED IN CHAPTER 34 OF THIS CODE."

B. PER FBC SECTION 3401.1, "ALTERATION, REPAIR, ADDITION, RELOCATION AND CHANGE OF OCCUPANCY OF EXISTING STRUCTURES AND BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF THE 2004 FLORIDA EXISTING BUILDING CODE."

3. USE AND OCCUPANCY CLASSIFICATION: GROUP U, UTILITY AND MISCELLANEOUS (BUILDINGS AND STRUCTURES OF AN ACCESSORY CHARACTER AND MISCELLANEOUS STRUCTURES NOT CLASSIFIED IN ANY SPECIFIC OCCUPANCY).

4. TYPE OF CONSTRUCTION: THE EXISTING BUILDING IS 1-STORY, LESS THAN 20 FT HIGH, AND LESS THAN 400 SQ FT IN FLOOR AREA. THEREFORE, PER FBC TABLE 503, THE TYPE OF CONSTRUCTION MUST BE AT LEAST EQUIVALENT TO TYPE V-B.

A. PER FBC SECTION 602.5, "....., THE STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE."

5. CLASSIFICATION OF WORK (REPAIRS AND ALTERATIONS):

A. REPAIRS:

I. SCOPE: PATCHING OR RESTORATION OF MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES FOR THE PURPOSE OF MAINTAINING SUCH MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES IN GOOD OR SOUND CONDITION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:

1. CLEANING AND REFURBISHMENT OF PRECAST CONCRETE WALL PANELS, CONCRETE FLOOR SLAB AND CONCRETE UNIT MASONRY WALLS.

II. PERMITTED MATERIALS: PER FIBC SECTION 401.2, WORK SHALL BE DONE USING MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION OR USING LIKE MATERIALS SUCH THAT NO HAZARD TO LIFE, HEALTH OR PROPERTY IS CREATED.

III. CONFORMANCE: PER FIBC SECTION 401.3, THE WORK SHALL NOT MAKE THE BUILDING LESS CONFORMING TO THE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL OR FIRE CODES OF THE JURISDICTION, OR TO ALTERNATIVE MATERIALS, DESIGN AND METHODS OF CONSTRUCTION, OR ANY PREVIOUSLY APPROVED PLANS, MODIFICATIONS, ALTERNATIVE METHODS, OR COMPLIANCE ALTERNATIVES, THAN IT WAS BEFORE THE REPAIR WAS UNDERTAKEN.

B. LEVEL 1 ALTERATIONS:

I. SCOPE: REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:

1. REROOFING.

2. REMOVAL AND REPLACEMENT OF ROOF EXHAUST FAN.

3. REMOVAL AND REPLACEMENT OF ALUMINUM-FRAMED TRANSLUCENT WALL PANELS.

4. REMOVAL AND REPLACEMENT OF DOOR ASSEMBLIES.

II. CONFORMANCE: PER FIBC SECTION 501.3, AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE OR ENERGY EFFICIENT THAN ITS EXISTING CONDITION.

1. IF IN THE ALTERATION THE CURRENT LEVEL OF SAFETY OR SANITATION IS TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE FBC, BUILDING.

III. MATERIALS AND METHODS: ALL NEW WORK SHALL COMPLY WITH MATERIALS AND METHODS REQUIREMENTS IN THE FBC AND THE FLORIDA FIRE PREVENTION CODE AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

IV. REROOFING: PER FIBC SECTION 511.1, MATERIALS AND METHODS OF APPLICATION USED FOR RECOVERING OR REPLACING AN EXISTING ROOF COVERING SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 15 OF THE FBC, BUILDING.

1. PER FBC SECTION 1512.2.1, "ALL ROOFING COMPONENTS, ROOFING SYSTEMS AND ROOFING ASSEMBLIES SHALL HAVE A VALID AND CURRENT PRODUCT APPROVAL."

2. PER FBC SECTION 1514.1, "ALL ROOF COVERINGS, ROOF SYSTEMS AND ROOF ASSEMBLIES SHALL BE DESIGNED AND INSTALLED TO RESIST THE WINDLOAD REQUIREMENTS OF CHAPTER 16 (HIGH-VELOCITY HURRICANE ZONES) OF THIS CODE."

3. PER FBC SECTION 1514.2, "ALL ROOF FLASHING AND TERMINATIONS SHALL BE DESIGNED AND INSTALLED TO RESIST THE WINDLOAD REQUIREMENTS OF CHAPTER 16 (HIGH-VELOCITY HURRICANE ZONE) OF THIS CODE, AND SHALL BE IN COMPLIANCE WITH THE PROVISIONS SET FORTH IN RAS 111."

V. ROOF DIAPHRAGM: PER FIBC SECTION 507.2.2, WHERE ROOFING MATERIALS ARE REMOVED FROM MORE THAN 50 PERCENT OF THE ROOF DIAPHRAGM OF A BUILDING OR SECTION OF A BUILDING WHERE THE ROOF DIAPHRAGM IS A PART OF THE MAIN WINDFORCE-RESISTING SYSTEM, THE INTEGRITY OF THE ROOF DIAPHRAGM SHALL BE EVALUATED AND IF FOUND DEFICIENT BECAUSE OF INSUFFICIENT OR DETERIORATED CONNECTIONS, SUCH CONNECTIONS SHALL BE PROVIDED OR REPLACED.

VI. REPLACEMENT OF WINDOWS AND DOORS:

1. PER FIBC SECTION 507.3, THE REPLACEMENT OF EXTERIOR DOORS AND WINDOWS SHALL BE DESIGNED AND CONSTRUCTED TO COMPLY WITH CHAPTER 16 OF THE FBC, BUILDING.

A. PER FBC SECTION 1601.1, BUILDINGS AND STRUCTURES LOCATED WITHIN THE HVHZ SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 1612 THROUGH 1626.

C. LEVEL 2 ALTERATIONS:

I. SCOPE: RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ELEMENTS:

1. ALTERATION OF INTERIOR NON-LOADBEARING CMU PARTITIONS.

2. NEW INTERIOR DOOR ASSEMBLY, TO BE INSTALLED IN NEW CMU PARTITION.

II. COMPLIANCE: PER FIBC SECTION 601.3, ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE FBC.

D. LEVEL 3 ALTERATIONS: NOT APPLICABLE.

E. ADDITIONS, HISTORIC BUILDINGS, RELOCATED BUILDINGS: NOT APPLICABLE.

6. ACCESSIBILITY: SINCE THE EXISTING ROTUNDA BUILDING IS "UNOCCUPIABLE" UTILITY BUILDING AND IT DOES NOT INCLUDE A "PRIMARY FUNCTION", IT IS DEEMED TO BE EXEMPT FROM REQUIREMENTS FOR BARRIER REMOVAL, INCLUDING BUT NOT LIMITED TO ACCESSIBLE ENTRANCE AND VERTICAL ACCESSIBILITY REQUIREMENTS.

A. VERTICAL ACCESSIBILITY:

I. PER FBC SECTION 11-4.1.3(5), VERTICAL ACCESSIBILITY SHALL BE PROVIDED TO ALL LEVELS ABOVE AND BELOW THE OCCUPIABLE GRADE LEVEL, EXCEPT FOR:

1. 11-4.1.3(5) (1): MECHANICAL ROOMS;

2. 11-4.1.3(5) (2): UNOCCUPIABLE SPACES (E.G., ROOMS, ENCLOSED SPACES, AND STORAGE SPACES THAT ARE NOT DESIGNED FOR HUMAN OCCUPANCY, FOR PUBLIC ACCOMMODATIONS, OR FOR WORK AREAS); AND

3. 11-4.1.3(5) (3): SMALL OCCUPIABLE SPACES AND ROOMS THAT ARE NOT OPEN TO THE PUBLIC (E.G., EQUIPMENT CONTROL ROOMS).

II. AS PROVIDED IN SECTION 553.509, FS, BUILDINGS, STRUCTURES, AND FACILITIES MUST, AT A MINIMUM, COMPLY WITH THE REQUIREMENTS OF ADAAG. THEREFORE, FACILITIES SUBJECT TO THE ADA MAY BE REQUIRED TO PROVIDE VERTICAL ACCESS TO AREAS OTHERWISE EXEMPT UNDER SECTION 11-4.1.3(5)(3) OF THE CODE.

B. PRIMARY FUNCTION:

I. PER FBC SECTION 11-3.5, ".....MECHANICAL ROOMS, BOILER ROOMS, SUPPLY STORAGE ROOMS, EMPLOYEE LOUNGES OR LOCKER ROOMS, JANITORIAL CLOSETS, ENTRANCES, CORRIDORS, AND RESTROOMS ARE NOT AREAS CONTAINING A PRIMARY FUNCTION."

II. PRIMARY FUNCTION: PER FBC SECTION 11-4.1.1, ".....MECHANICAL ROOMS, BOILER ROOMS, SUPPLY STORAGE ROOMS, EMPLOYEE LOUNGES OR LOCKER ROOMS, JANITORIAL CLOSETS, ENTRANCES, CORRIDORS, AND RESTROOMS ARE NOT AREAS CONTAINING A PRIMARY FUNCTION."

7. STRUCTURAL:

A. WHERE ALTERATION WORK INCLUDES INSTALLATION OF ADDITIONAL EQUIPMENT THAT IS STRUCTURALLY SUPPORTED BY THE BUILDING OR RECONFIGURATION OF SPACE SUCH THAT PORTIONS OF THE BUILDING BECOME SUBJECTED TO HIGHER GRAVITY LOADS AS REQUIRED BY TABLE 1615 AND SECTION 1615.2 OF THE FBC, BUILDING, THE PROVISIONS OF SECTION 607 SHALL APPLY.

B. WIND LOADS:

I. CLASSIFICATION OF BUILDING / IMPORTANCE FACTOR - SEE STRUCTURAL DWG. S1.0

II. WIND VELOCITY - SEE STRUCTURAL DWG. S1.0

III. EXPOSURE CATEGORY C - SEE STRUCTURAL DWG. S1.0

C. IMPACT TESTS:

I. PER FBC SECTION 1626.1, ALL PARTS OF THE BUILDING ENVELOPE (E.G., EXTERIOR WALLS, ROOF, OUTSIDE DOORS, GLAZING) SHALL MEET IMPACT TEST CRITERIA OR BE PROTECTED WITH AN EXTERNAL PROTECTION DEVICE THAT MEETS THE IMPACT TEST CRITERIA.

8. ELECTRICAL: ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 27 OF THE FBC, BUILDING.

9. MECHANICAL: EXISTING MECHANICAL SYSTEMS UNDERGOING REPAIR SHALL COMPLY WITH SECTION 301.11 OF THE FBC, MECHANICAL.

10. PLUMBING: ALL NEWLY INSTALLED PLUMBING MATERIALS SHALL COMPLY WITH SECTION 610.2 OF THE FIBC.

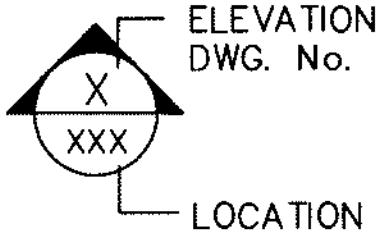
11. ENERGY CONSERVATION: THIS BUILDING IS NEITHER HEATED NOR COOLED BY A MECHANICAL SYSTEM DESIGNED TO CONTROL OR MODIFY THE INDOOR TEMPERATURE, AND THEREFORE IS EXEMPT FROM COMPLIANCE WITH REQUIREMENTS FOR ENERGY CONSERVATION.

A. PER FBC SECTION 13-101.5 EXEMPT BUILDINGS, "BUILDINGS EXEMPT FROM COMPLIANCE WITH THIS CHAPTER INCLUDE THOSE DESCRIBED IN SECTIONS 101.5.1 THROUGH 101.5.7."

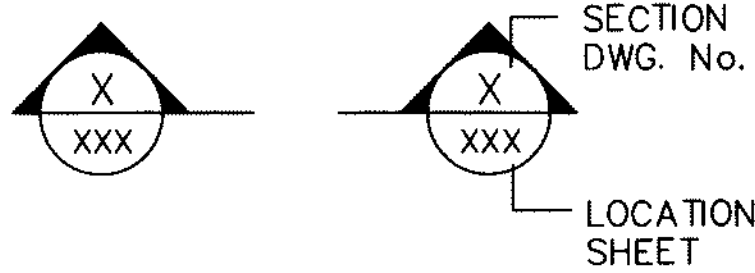
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GRAPHIC SYMBOLS

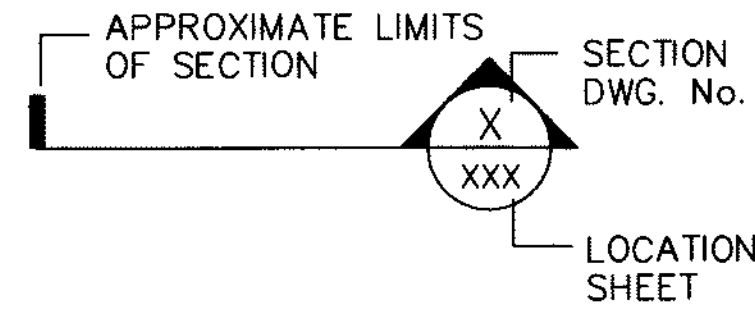
BUILDING
ELEVATION



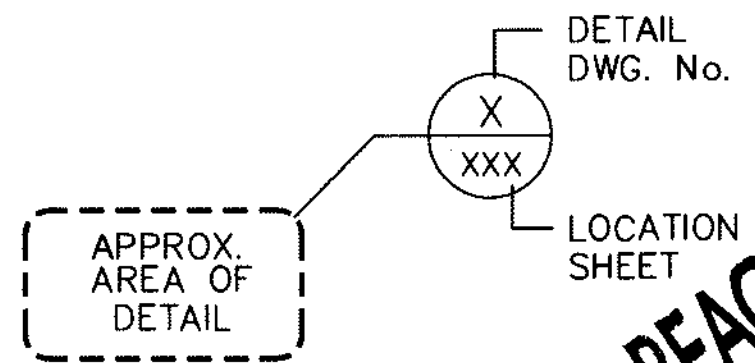
BUILDING
SECTION



DETAIL OR WALL
SECTION



DETAIL
REFERENCE



DOOR NUMBER

FLOOR LEVEL

ELEVATION MARK

CENTER LINE

MATCH LINE

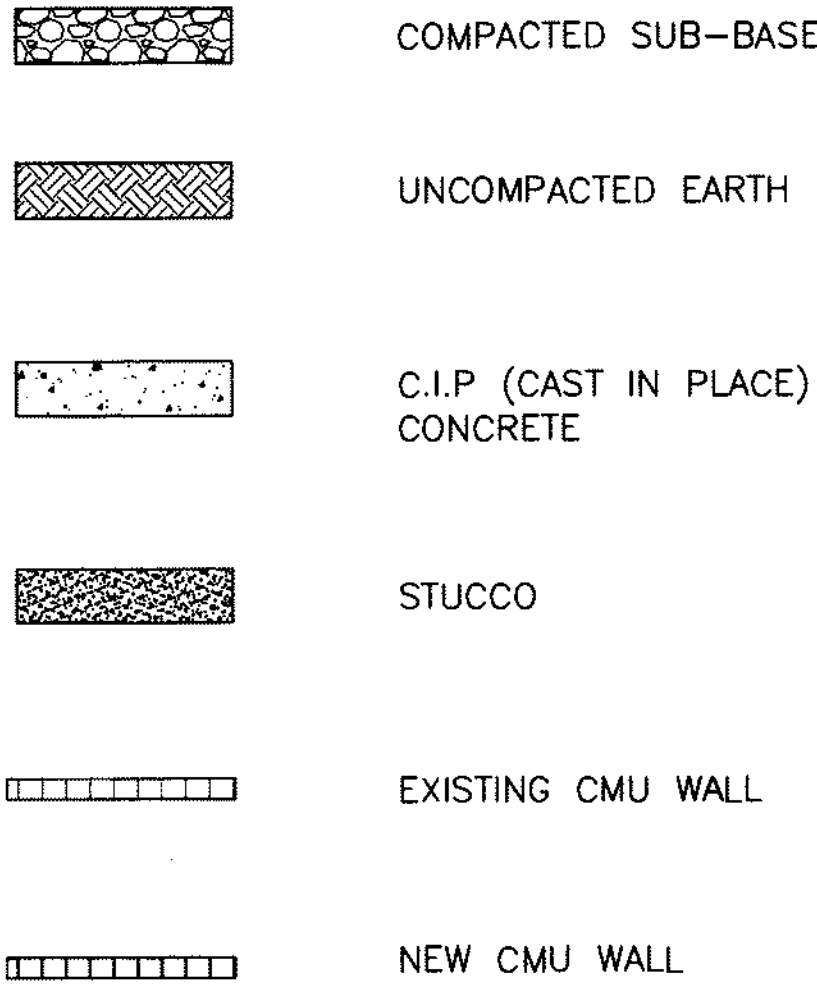
EXTENTS OF
SCOPE OF WORK

REVISION (NUMBER)

NORTH ARROW

GRAPHIC SCALE

MATERIAL SYMBOLS

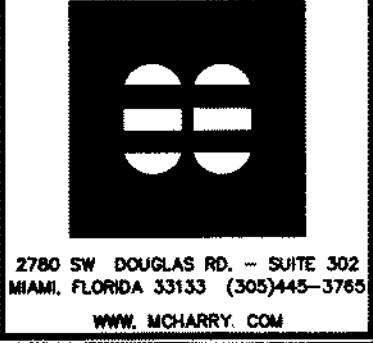


ABBREVIATIONS

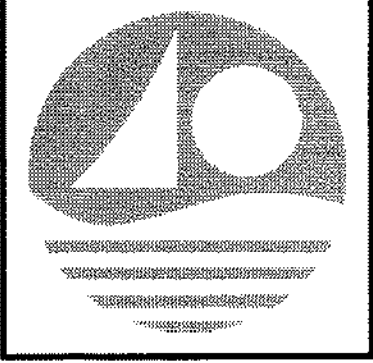
A/E	ARCHITECT/ENGINEER;ARCHITECT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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OIP	CAST-IN-PLACE CONCRETE
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NIC	NOT IN CONTRACT
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REVISIONS:
No. DATE

MCHARRYASSOCIATES
ARCHITECTURE ENGINEERING PLANNING
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0007400 00000000 00000000 00000000



THOMAS CHERRY
AIA 007400
1-15-08
SCL



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
CODE ANALYSIS
NOTES, SYMBOLS, ABBREVIATIONS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

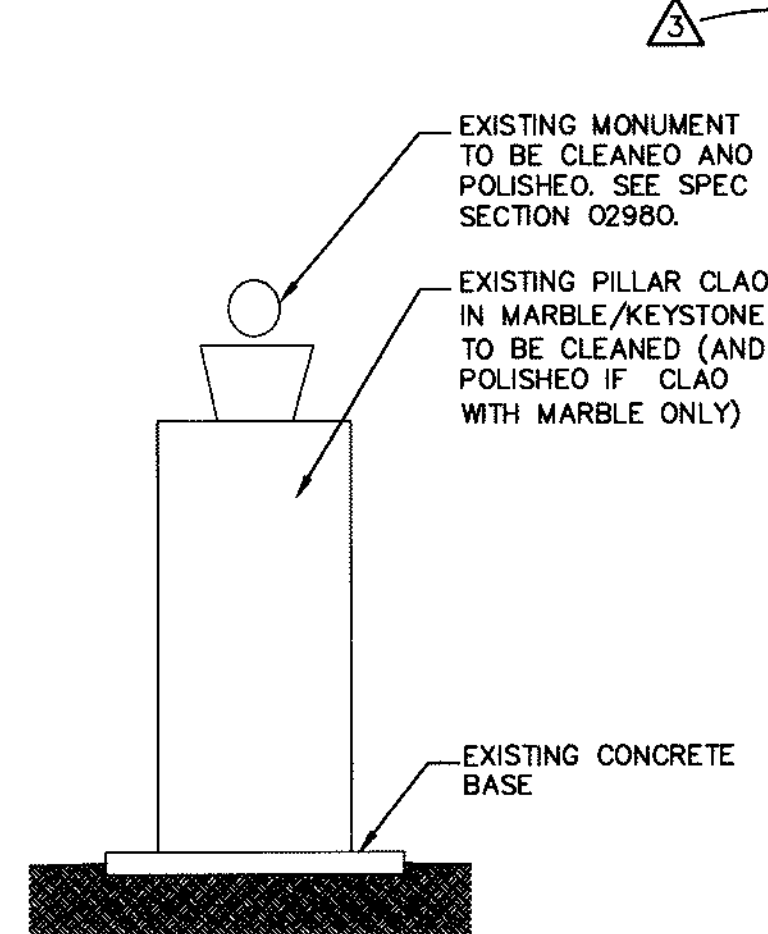
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NOV 08, 2007 PERMIT SET

CITY OF MIAMI BEACH
VOID

NOTES ON RELOCATION OF MONUMENT:

- 1) THE CONTRACTOR SHALL CAREFULLY DISMANTLE THE EXISTING MONUMENT AND PROTECT ALL COMPONENTS FROM DAMAGE. DURING REMOVAL, STORAGE, RELOCATION AND PLACEMENT, CONTRACTOR SHALL PROTECT THE MONUMENT FROM DAMAGE, DISCOLORATION OR STAINING. ALL SURFACES SHALL BE THOROUGHLY CLEANED. ANY EXISTING FOUNDATION SHALL BE DEMOLISHED AND REMOVED FROM SITE.
- 2) THE RELOCATED MONUMENT SHALL BE SET ON A NEW FOUNDATION TO MATCH EXISTING AT NEW LOCATION INDICATED IN O.W.G. A1.1
- 3) SETTING COMPOUND SHALL BE MONUMENT SETTING COMPOUND OR APPROVED EQUIVALENT, TO BE DELIVERED TO SITE IN THE MANUFACTURER'S ORIGINAL LABELED CONTAINER WITH COLOR TO MATCH COLOR OF MONUMENT STONE.
- 4) ALL DIRT AND FOREIGN MATTER SHALL BE REMOVED FROM SURFACE OF BASE AND MONUMENT AND 25mm PLASTIC SETTING CUSHIONS OR WEDGE LEAD SHALL BE PLACED APPROXIMATELY 18mm FROM EACH CORNER OF MONUMENT PRIOR TO THE PLACEMENT AND INSTALLATION OF THE SETTING COMPOUND.
- 5) TRIM EXCESS COMPOUND TO PRESENT A NEAT SMOOTH FINISHED JOINT.
- 6) ANY COMPONENTS WHICH ARE DAMAGED OR LOST SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.



2 MONUMENT CLEANING, RELOCATION

SCALE: 1" = 40'-0"

DEMOLITION KEYED NOTES:

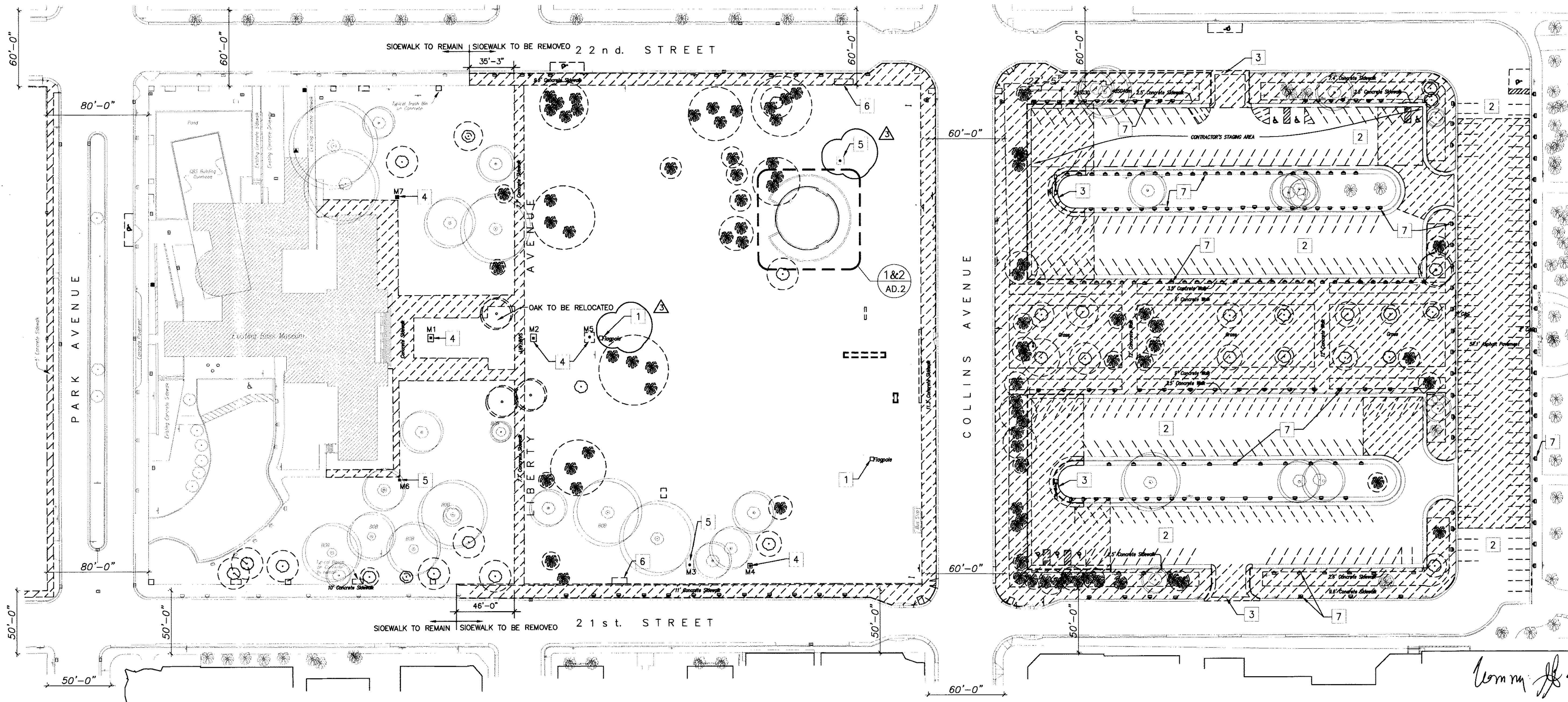
- 1 EXISTING FLAGPOLE, BASE AND FOOTING TO BE REMOVED
- 2 EXISTING STRIPING TO BE REMOVED (TYP). SEE CIVIL
- 3 EXISTING CURB AND GUTTER TO BE REMOVED. SEE CIVIL
- 4 EXISTING MONUMENTS / STATUES TO BE REMOVED OR STORED FOR RELOCATION (TYP)
- 5 EXISTING STATUE / MONUMENT TO REMAIN AS IS
- 6 EXISTING BENCH ON CONCRETE PAO TO BE REMOVED (TYP)
- 7 EXISTING PARKING METER TO BE REMOVED (TYP)

DEMOLITION SYMBOL LEGEND:

- 1 DEMOLITION KEYED NOTE
- AREA OF EXISTING CONCRETE SIDEWALK / ASPHALT / LANDSCAPING TO BE REMOVED
- EXISTING PARKING METER TO BE REMOVED. SEE CIVIL DWGS.
- EXISTING MUNICIPAL / PARK SIGNS TO BE REMOVED & RELOCATED. SEE CIVIL DWGS.
- EXISTING MONUMENTS / STATUES TO BE REMOVED AND STORED FOR RELOCATION (TYP). UNLESS NOTED OTHERWISE, SEE O.W.G. A1.1 FOR NEW LOCATION.
- ALL EXISTING BAOBAB TREES TO REMAIN
- EXISTING TREE TO BE REMOVED OR REPLANTED. SEE LANDSCAPE DWGS.

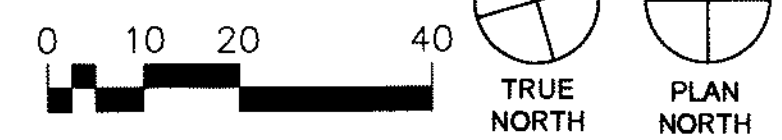
GENERAL DEMOLITION NOTES:

- 1) THE DEMOLITION DRAWINGS ARE INTENDED ONLY AS A GENERAL GUIDE TO INDICATE MAJOR ELEMENTS THAT WILL NEED TO BE REMOVED DURING THE COURSE OF THE WORK
- 2) IN ADDITION TO THE ELEMENTS SPECIFICALLY SHOWN FOR DEMOLITION AND REMOVAL, THE CONTRACTOR SHALL INCLUDE ALL MODIFICATIONS: CUTTING, PATCHING AS REQUIRED TO PREPARE EXISTING ELEMENTS / SURFACES FOR NEW FINISHES SUCH THAT A COMPLETE AND FUNCTIONING FACILITY IS DELIVERED TO THE OWNER.
- 3) THIS SHALL INCLUDE CAPPING AND REMOVAL OF ALL ABANDONED ELECTRICAL, PLUMBING, AND MECHANICAL SYSTEMS; REMOVAL OF EXISTING FINISHES NECESSARY FOR THE INSTALLATION OF NEW FINISHES; CUTTING AND PATCHING TO MAKE NEW WORK FIT WITH EXISTING ELEMENTS; AND ANY OTHER WORK NECESSARY TO MAKE PROVISIONS FOR THE WORK.
- 4) CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL EXISTING CONDITIONS AS WELL AS REVIEWING THE EXISTING DRAWINGS FOR HIDDEN CONDITIONS PRIOR TO COMMITTING TO CONTRACT AMOUNT PRIOR TO OWNER. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO COMMENCING WORK.
- 5) ALL EXISTING DIMENSIONS TO BE FIELD VERIFIED.
- 6) ALL EXISTING N.I.C. CONSTRUCTION TO REMAIN, IF DAMAGE OCCURS DURING COURSE OF WORK, REPAIR TO "AS NEW" CONDITION. REFER TO SPECIFICATIONS.
- 7) ANY EXISTING DOOR OR DOOR FRAMES TO BE REMOVED SHALL BE DONE SO CAREFULLY AND STORED FOR RE-USE OR DISPOSED. CONTRACTOR TO CO-ORDINATE WITH CITY OF MIAMI BEACH.
- 8) SHOULD ANY UNDERGROUND UTILITY WORK AFFECT ANY EXISTING TREE ROOTS, THE CONTRACTOR SHALL NOTIFY THE CITY'S URBAN FORESTER, OR CHRIS LATT OF THE CONFLICT IMMEDIATELY.
- 9) ALL TREES TO BE REMOVED AND TRANSPLANTED SHALL ONLY BE DONE SO BY A QUALIFIED CONTRACTOR THAT SPECIALIZES IN TRANSPLANTING TREES AND NO TREES SHOULD BE REMOVED OR REPLANTED WITHOUT THE INSPECTION AND AUTHORIZATION OF THE CITY OF MIAMI BEACH'S URBAN FORESTER.
- 10) SEE CIVIL AND LANDSCAPE DRAWINGS FOR EXTENTS OF DEMOLITION AND ADDITIONAL INFORMATION.
- 11) CONTRACTOR MUST CO-ORDINATE REMOVAL AND STORAGE / DISPOSAL OF EXISTING PARKING METERS AND GROUTING OF HOLE UPON REMOVAL OF METERS ON EXISTING SIDEWALK WITH THE CITY OF MIAMI BEACH PARKING DEPARTMENT.
- 12) CONTRACTOR MUST CO-ORDINATE REMOVAL AND STORAGE / DISPOSAL OF EXISTING PUBLIC PHONE UNITS, REGULATORY SIGNS AND STREET OR ANY OTHER LIGHTING WITH THE CITY OF MIAMI BEACH DEPARTMENT OF PUBLIC WORKS.
- 13) CONTRACTOR TO PROVIDE ALL NECESSARY TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. SUBMIT COMPLETE TRAFFIC CONTROL PLAN TO CITY OF MIAMI BEACH FOR APPROVAL PRIOR TO CONSTRUCTION.



1 SELECTIVE SITE DEMOLITION PLAN

SCALE: 1" = 40'-0"



DRAWN BY:
AY/LS/KN
CHKD BY:
LS/WPB
APP'D BY:
JP
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE
3 MAY 09, 2008
NOT USED
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MCHARRY ASSOCIATES
ARCHITECTURAL ENGINEERING PLANNING
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2780 SW DOUGLAS RD., SUITE 302
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WWW.MCHARRY.COM

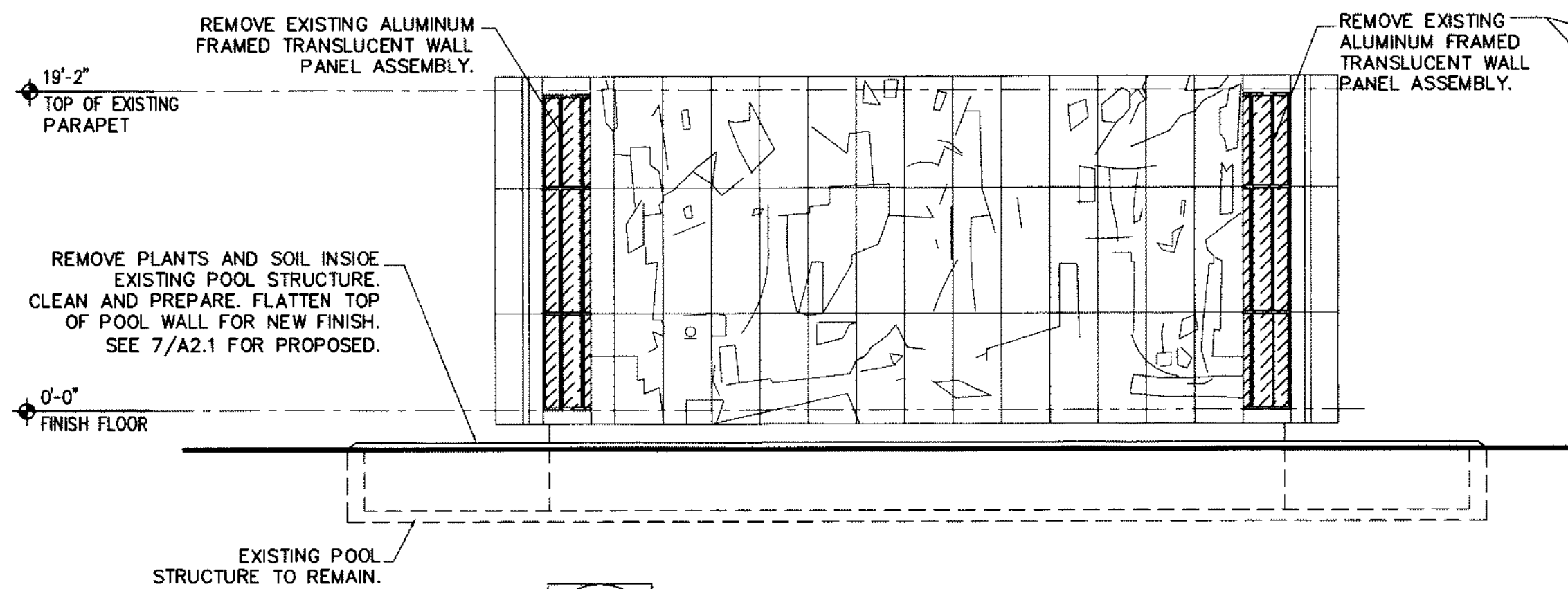
THOMAS CHARRON
AT 50702
5/14/08



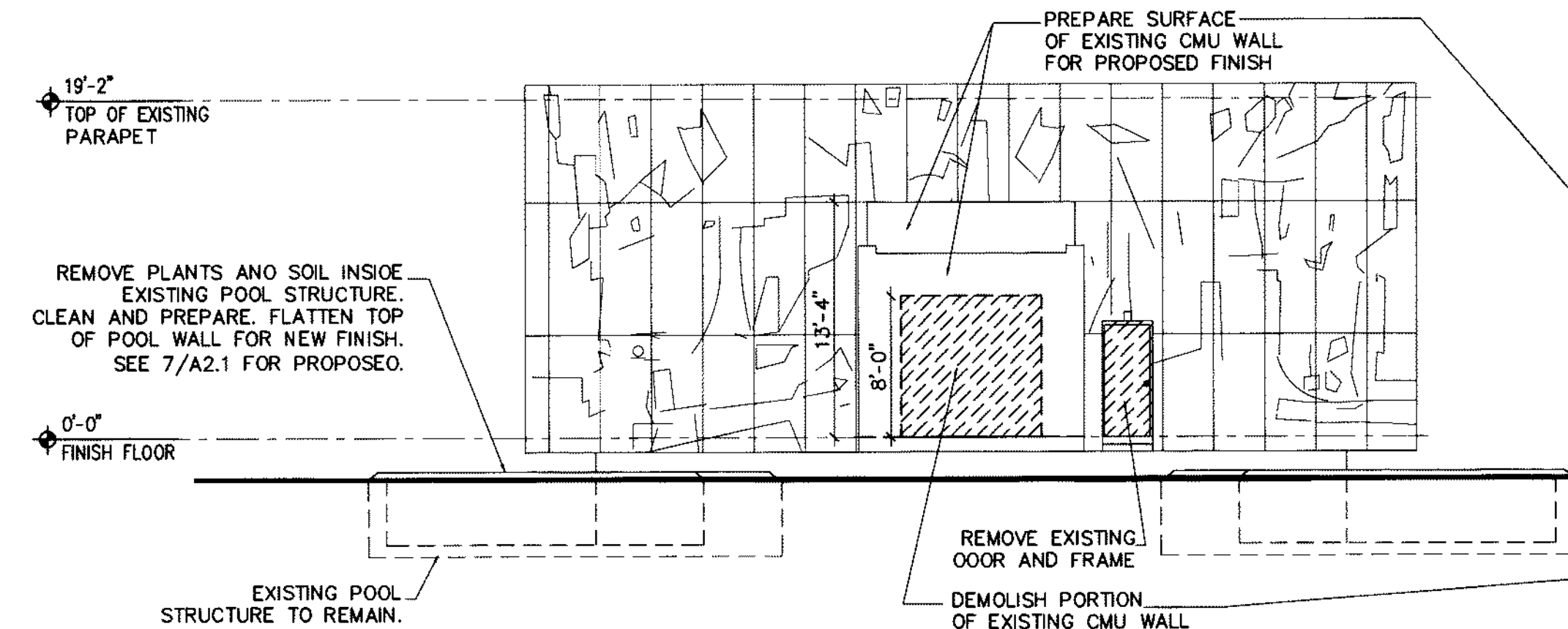
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
SELECTIVE SITE DEMOLITION PLAN
SCALE: 1" = 40'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
AD-1.0



4 ELEVATION
SCALE: 1/8" = 1'-0"



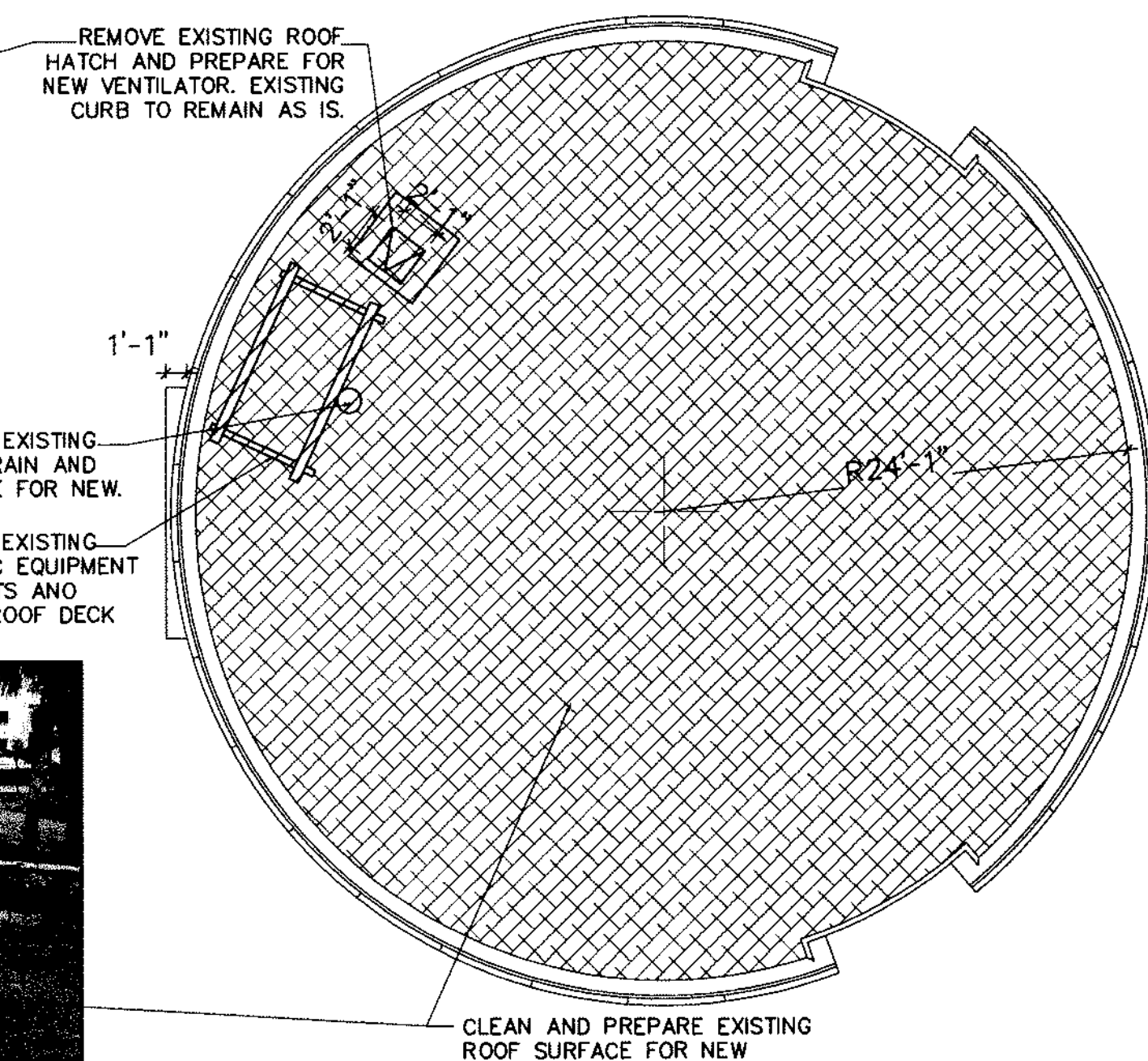
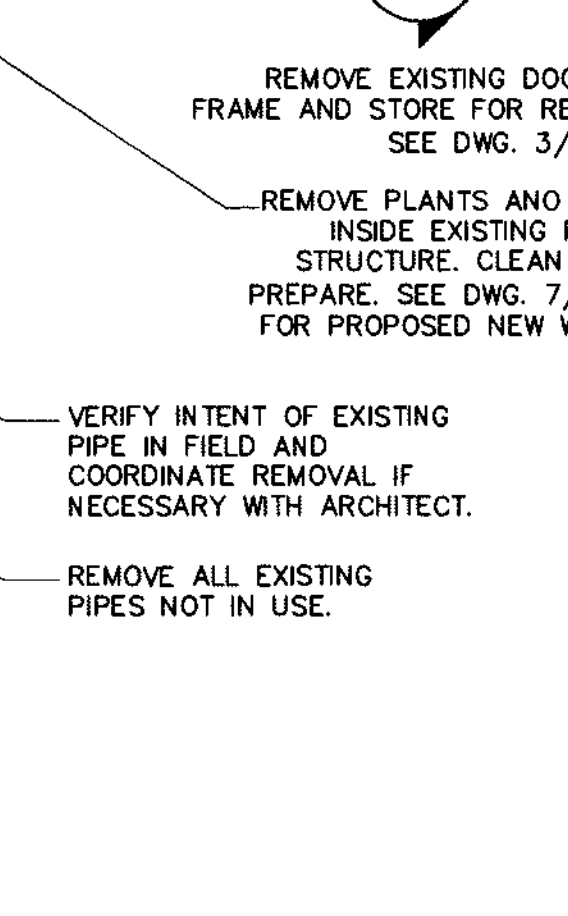
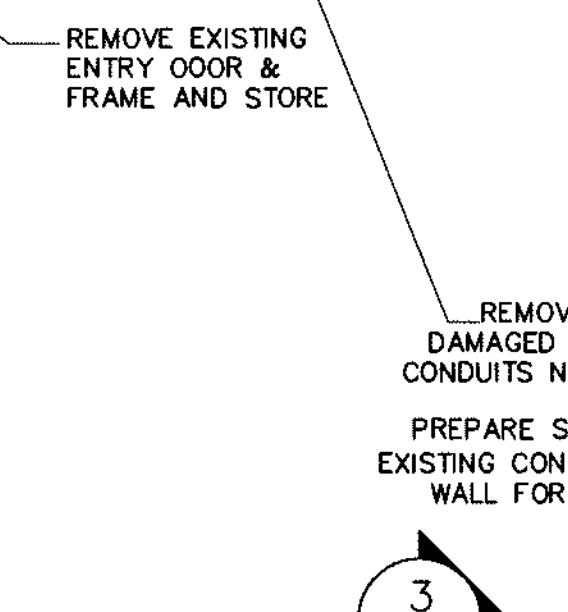
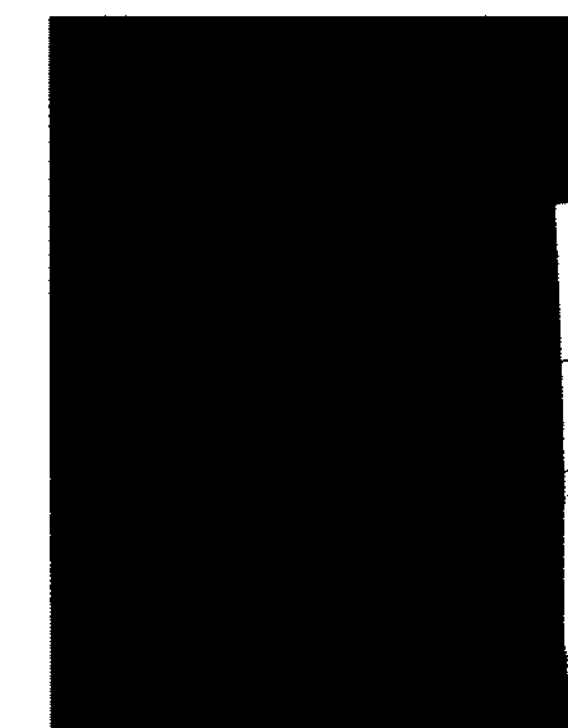
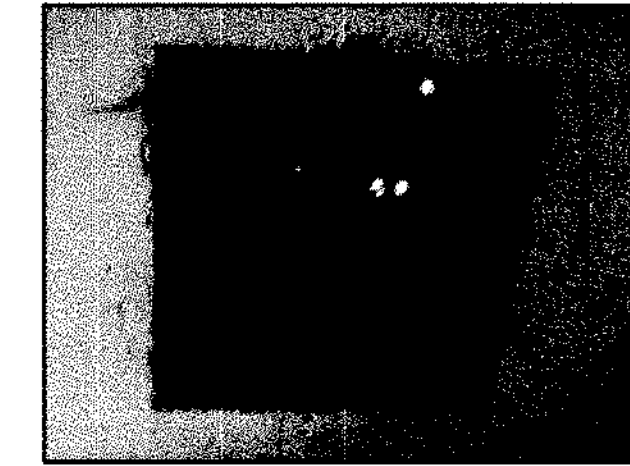
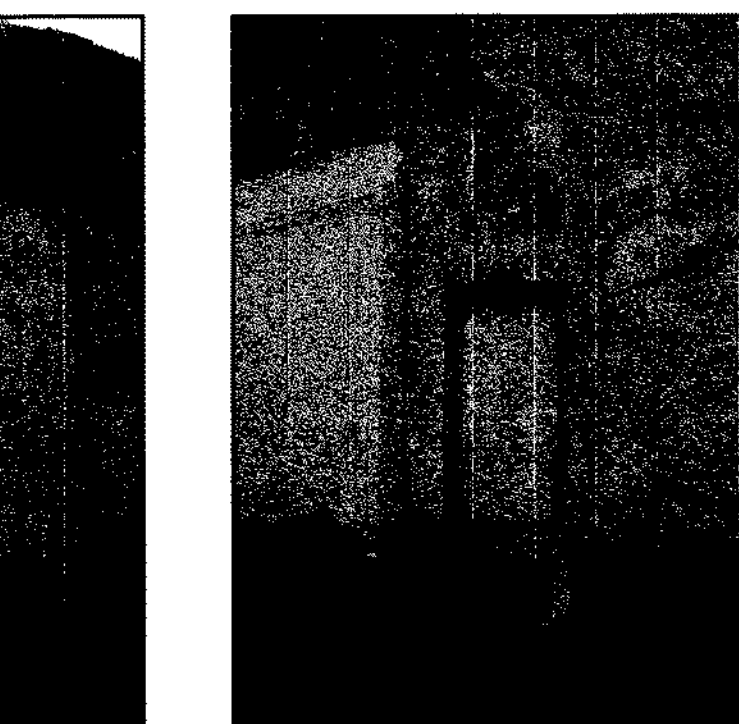
3 ELEVATION
SCALE: 1/8" = 1'-0"

DEMO PLAN LEGEND:

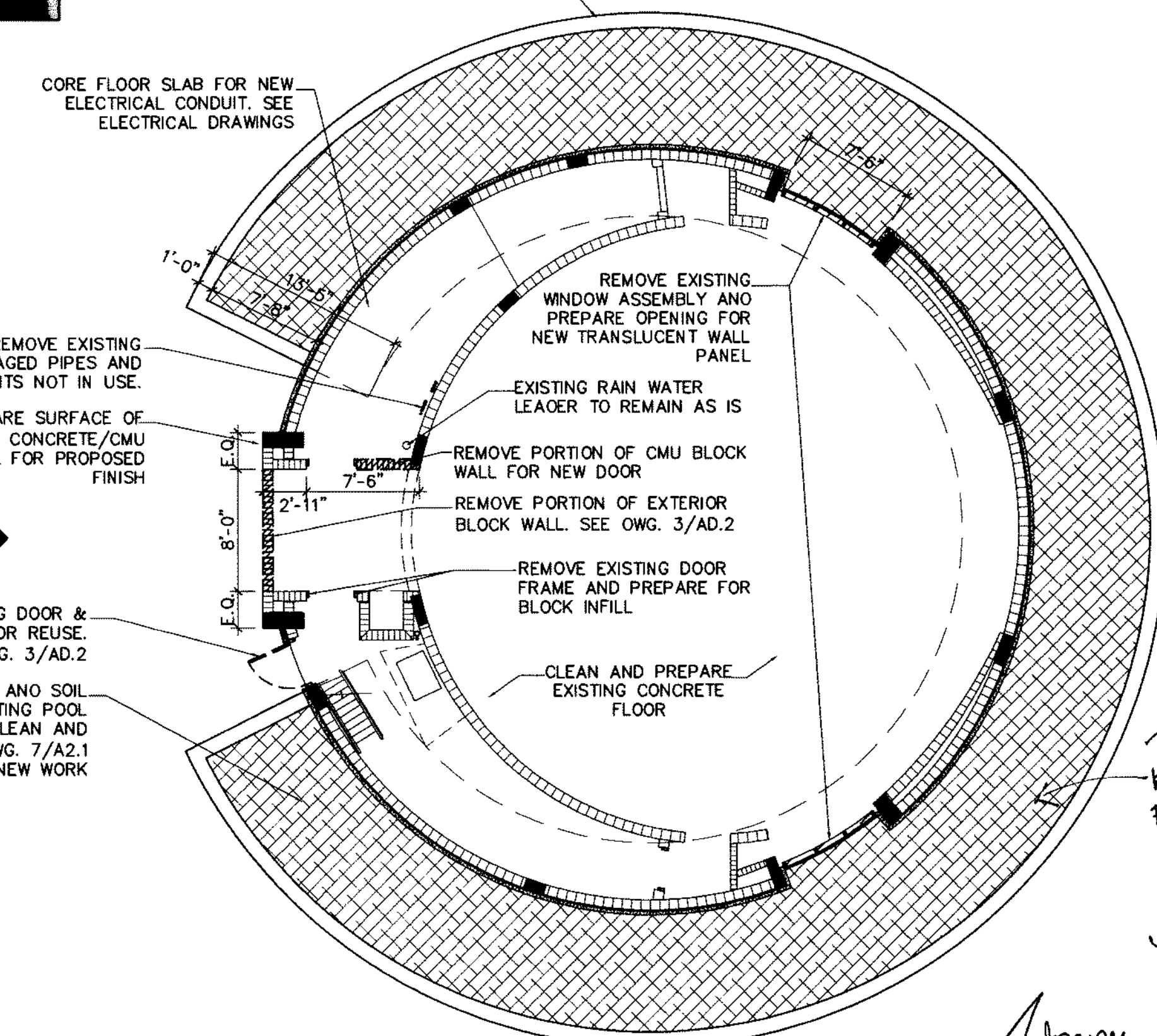
	AREA TO BE CLEANED, PREPARED
	EXTENTS OF DEMOLITION
	EXTENTS OF CMU WALL DEMOLITION

GENERAL DEMOLITION NOTES:

- 1) THE DEMOLITION DRAWINGS ARE INTENDED ONLY AS A GENERAL GUIDE TO INDICATE MAJOR ELEMENTS THAT WILL NEED TO BE REMOVED DURING THE COURSE OF THE WORK.
- 2) IN ADDITION TO THE ELEMENTS SPECIFICALLY SHOWN FOR DEMOLITION AND REMOVAL, THE CONTRACTOR SHALL INCLUDE ALL MODIFICATIONS: CUTTING, PATCHING AS REQUIRED TO PREPARE EXISTING ELEMENTS / SURFACES FOR NEW FINISHES SUCH THAT A COMPLETE AND FUNCTIONING FACILITY IS DELIVERED TO THE OWNER.
- 3) THIS SHALL INCLUDE CAPPING AND REMOVAL OF ALL ABANDONED ELECTRICAL, PLUMBING, AND MECHANICAL SYSTEMS; REMOVAL OF EXISTING FINISHES NECESSARY FOR THE INSTALLATION OF NEW FINISHES; CUTTING AND PATCHING TO MAKE NEW WORK FIT WITH EXISTING ELEMENTS; AND ANY OTHER WORK NECESSARY TO MAKE PROVISIONS FOR THE WORK.
- 4) CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL EXISTING CONDITIONS AS WELL AS REVIEWING THE EXISTING DRAWINGS FOR HIDDEN CONDITIONS PRIOR TO COMMITTING TO CONTRACT AMOUNT PRICE TO OWNER.
- 5) ALL EXISTING DIMENSIONS TO BE FIELD VERIFIED.
- 6) ALL EXISTING CONSTRUCTION TO REMAIN, IF DAMAGE OCCURS DURING COURSE OF WORK, REPAIR TO "AS NEW" CONDITION. REFER TO SPECIFICATIONS.
- 7) ALL EXISTING DOORS & DOOR FRAMES ARE TO BE CAREFULLY REMOVED AND STORED FOR RE-USE.
- 8) SEE CIVIL DWGS. FOR GRADING AROUND ROTUNDA.



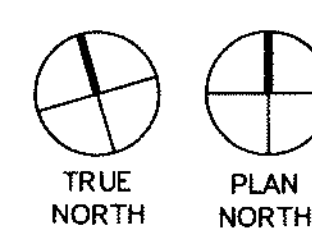
2 ROOF PLAN
SCALE: 1/8" = 1'-0"



1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

REFLECTING POOL
Aug 13, 2008

Donny J. 9/8/08



DRAWN BY:
AY/KN
CHKD BY:
WPB
APP'D BY:
JP
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. OATE

MCHARRY ASSOCIATES
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000740 AD-200808 00000000 00000000
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MIAMI, FLORIDA 33135 (305)445-3780
WWW.MCHARRY.COM

THOMAS CHARRON
AIA 007420
1-15-08
SEAL



PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
ROTUNDA
SELECTIVE DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

SHEET No.
AD-2.0

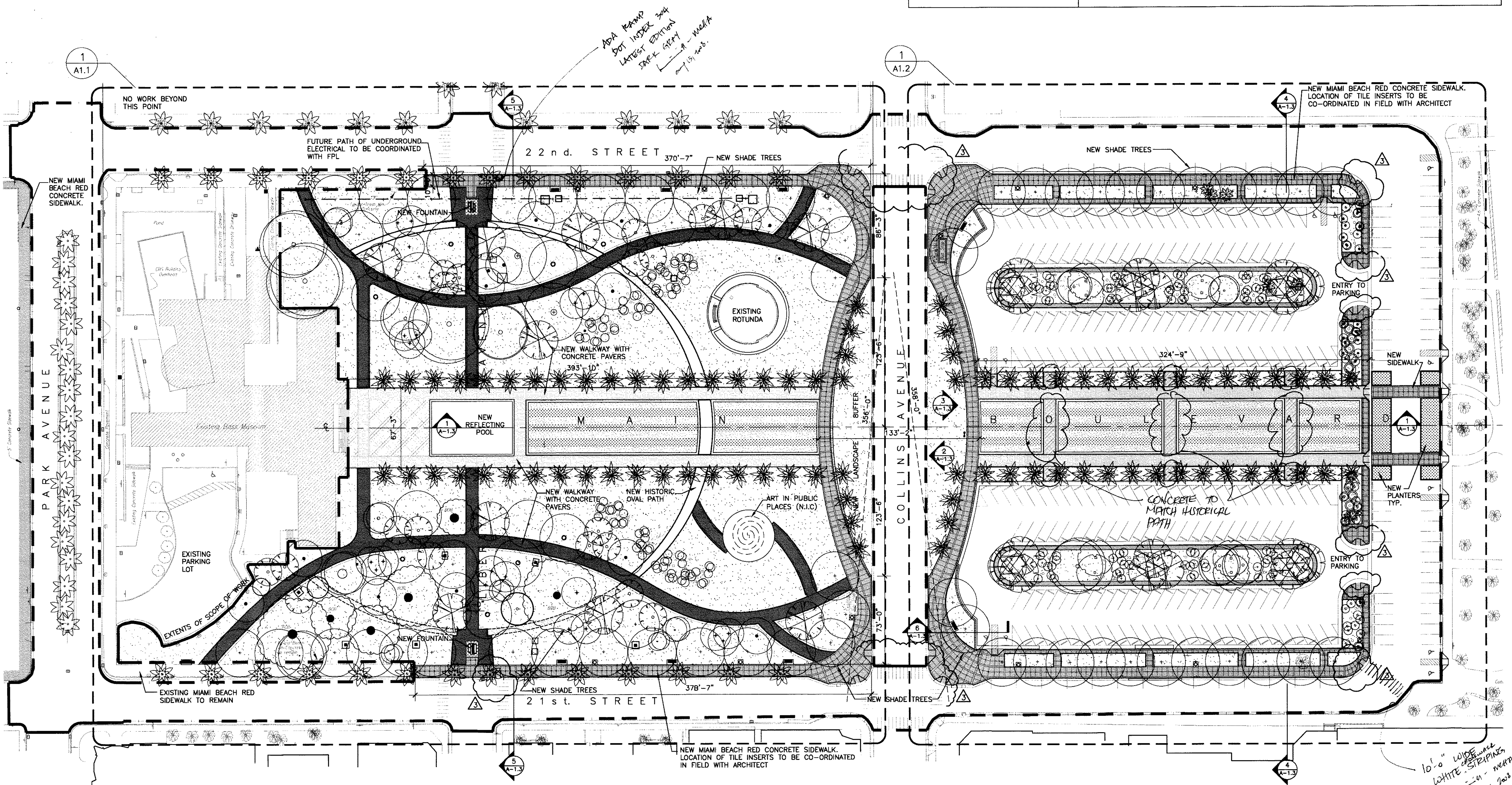
NOV 08, 2007 PERMIT SET

SITE PLAN LEGEND:

- WALKWAY WITH CONCRETE PAVERS
- WALKWAY WITH GLASS BLASTED CONCRETE PAVERS
- MIAMI BEACH RED CONCRETE SIDEWALK
- PERMEABLE CONCRETE
- NEW COCONUT PALM
- NEW STREET TREE

GENERAL NOTES:

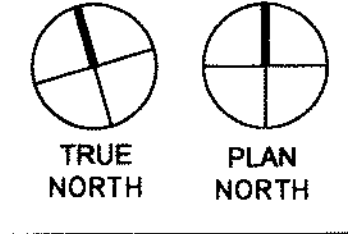
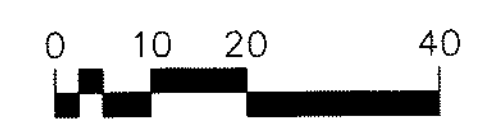
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR DETECTING ALL EXISTING UTILITIES TO REMAIN AND TO USE CARE DURING CONSTRUCTION TO AVOID DAMAGING ANY UTILITIES AND STRUCTURES NOT SCHEDULED FOR REMOVAL. THIS INCLUDES BUT IS NOT LIMITED TO EXISTING ELECTRICAL, SEWER, WATER VALVES, SITE FURNISHINGS, CURBS AND PAVEMENTS. ANY DAMAGE RESULTING FROM THIS CONSTRUCTION WILL BE RESTORED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE OWNER AND PROJECT MANAGER.
- NO CHANGE SHALL BE MADE TO THE DESIGN OR LAYOUT OF THE PROJECT WITHOUT THE APPROVAL OF THE OWNER, PROJECT MANAGER AND ARCHITECT. FINAL APPROVAL MUST BE IN WRITING FROM THE OWNER.
- CONTRACTOR TO PROVIDE ALL NECESSARY TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. SUBMIT COMPLETE TRAFFIC CONTROL PLAN TO CITY OF MIAMI BEACH FOR APPROVAL PRIOR TO CONSTRUCTION.
- ALL NEW WORK SHALL MEET EXISTING SMOOTHLY AND CLEARLY.
- WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH FLUSH TRANSITION, AS DIRECTED BY THE PROJECT MANAGER. ALL SAWCUTTING SHALL BE DONE TO NEAT AND STRAIGHT ACCURATE LINES. CONTRACTOR SHALL PROVIDE EXPANSION JOINT (TIE ROD AND/OR SLIP JOINT) WHERE OLD AND NEW CURBS MEET. SEE CIVIL DWGS. FOR DETAILS.
- FOUNTAIN EQUIPMENT SHALL BE LOCATED SO AS TO AVOID ANY IMPACT TO EXISTING TREES THAT ARE TO REMAIN.



1 SITE PLAN

SCALE: 1" = 40'-0"

NOTE: REFER TO LANDSCAPE DRAWINGS FOR ALL LANDSCAPING INFORMATION.



DRAWN BY: AY/LS/KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE
NOT USED PERMIT REVISIONS MAY 02, 2008

MCHARRY ASSOCIATES
ARCHITECTURAL ENGINEERING & LANDSCAPE ARCHITECTURE
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MIAMI, FLORIDA 33133 (305) 445-3765
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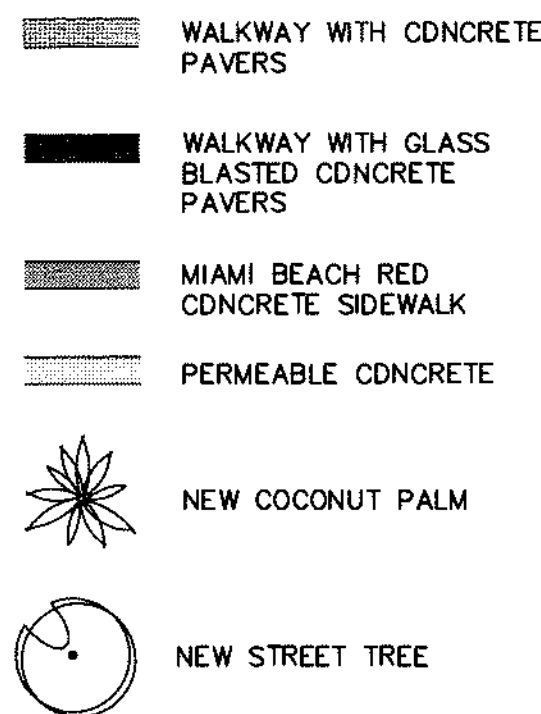
THOMAS CARLSON
AT 03742
5/14/08

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
**PROPOSED SITE PLAN
COLLINS PARK + PARKING LOT**
SCALE: 1" = 40'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A1.0

SITE PLAN LEGEND:

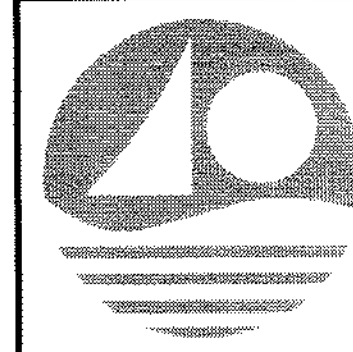


GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCEMENT OF WORK.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR DETECTING ALL EXISTING UTILITIES TO REMAIN AND TO USE CARE DURING CONSTRUCTION TO AVOID DAMAGING ANY UTILITIES AND STRUCTURES NOT SCHEDULED FOR REMOVAL. THIS INCLUDES BUT IS NOT LIMITED TO EXISTING ELECTRICAL, SEWER, WATER VALVES, SITE FURNISHINGS, CURBS AND PAVEMENTS. ANY DAMAGE RESULTING FROM THIS CONSTRUCTION WILL BE RESTORED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE OWNER AND PROJECT MANAGER.
- 3) NO CHANGE SHALL BE MADE TO THE DESIGN OR LAYOUT OF THE PROJECT WITHOUT THE APPROVAL OF THE OWNER, PROJECT MANAGER AND ARCHITECT. FINAL APPROVAL MUST BE IN WRITING FROM THE OWNER.
- 4) CONTRACTOR TO PROVIDE ALL NECESSARY TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. SUBMIT COMPLETE TRAFFIC CONTROL PLAN TO CITY OF MIAMI BEACH FOR APPROVAL PRIOR TO CONSTRUCTION.
- 5) ALL NEW WORK SHALL MEET EXISTING SMOOTHLY AND CLEARLY.
- 6) WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH FLUSH TRANSITION, AS DIRECTED BY THE PROJECT MANAGER. ALL SAWCUTTING SHALL BE DONE TO NEAT AND STRAIGHT ACCURATE LINES. CONTRACTOR SHALL PROVIDE EXPANSION JOINT (TIE ROD AND/OR SLIP JOINT) WHERE OLD AND NEW CURBS MEET. SEE CIVIL DWGS. FOR DETAILS.
- 7) FOUNTAIN EQUIPMENT SHALL BE LOCATED SO AS TO AVOID ANY IMPACT TO EXISTING TREES THAT ARE TO REMAIN.

DRAWN BY: AY/LS/KN
 CHKD BY: WPB
 APP'D BY: JP
 ISSUE DATE: NOV 08, 2007
 REVISIONS: No. DATE
 MCHARRYASSOCIATES
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 THOMAS A. MCHARRY, AIA
 JAMES E. MCHARRY, AIA
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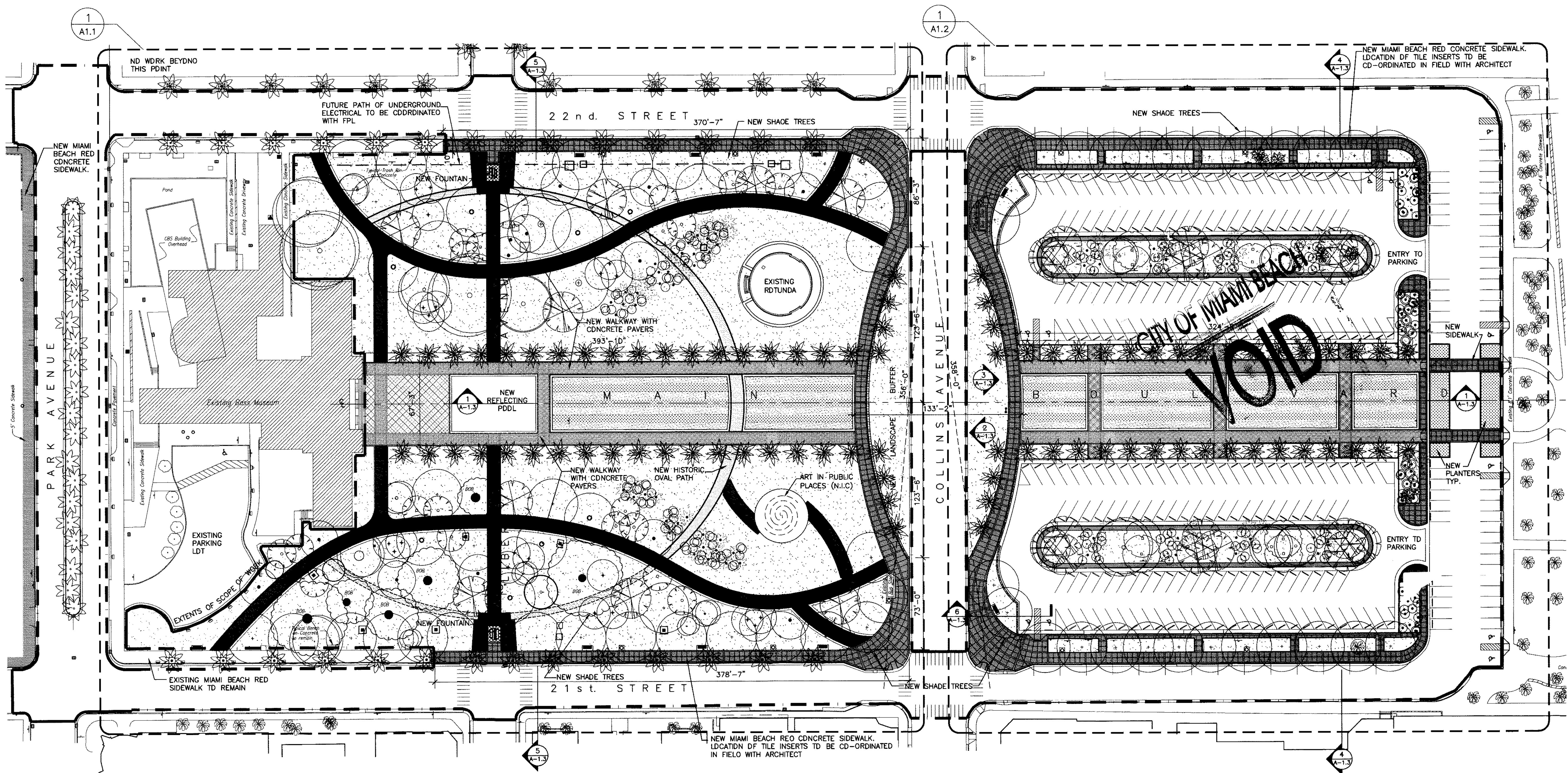
THOMAS CARLSON
 AR 007420
 11-15-08
 SEAL



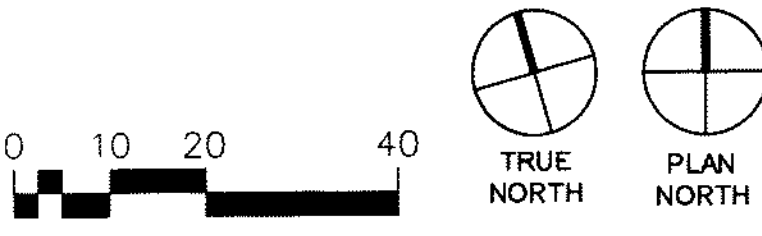
PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETSCAPE
 MIAMI BEACH, FLORIDA
 OWNER:
 CITY OF MIAMI BEACH

DRAWING TITLE
 PROPOSED SITE PLAN
 COLLINS PARK + PARKING LOT
 SCALE: 1" = 40'-0"
 NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

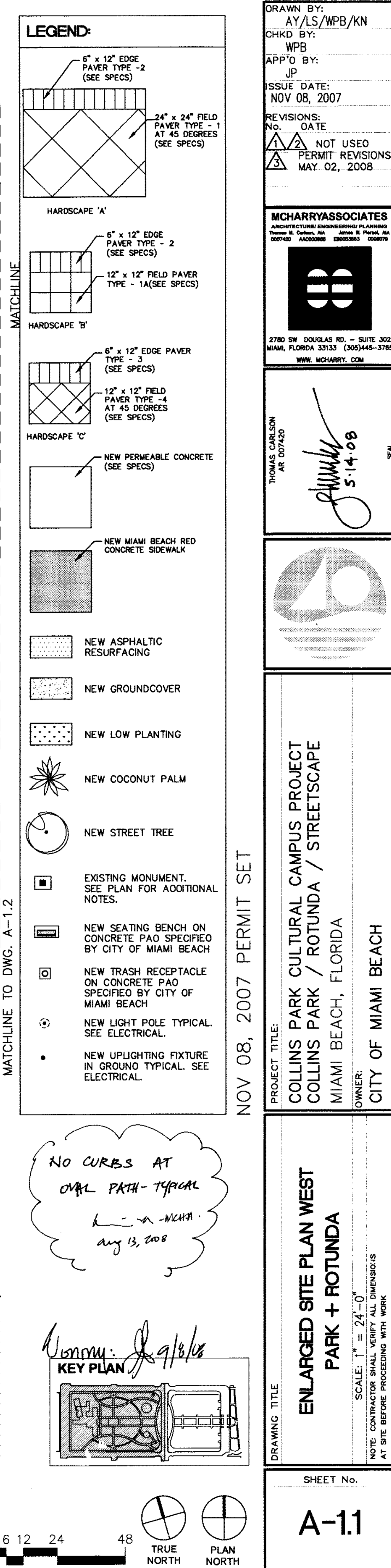
SHEET No.
 A1.0



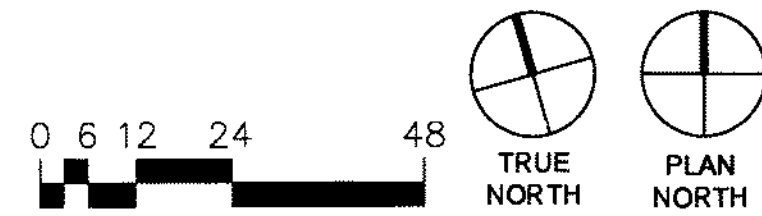
1 SITE PLAN
 SCALE: 1" = 40'-0"
 NOTE: REFER TO LANDSCAPE DRAWINGS FOR ALL LANDSCAPING INFORMATION.

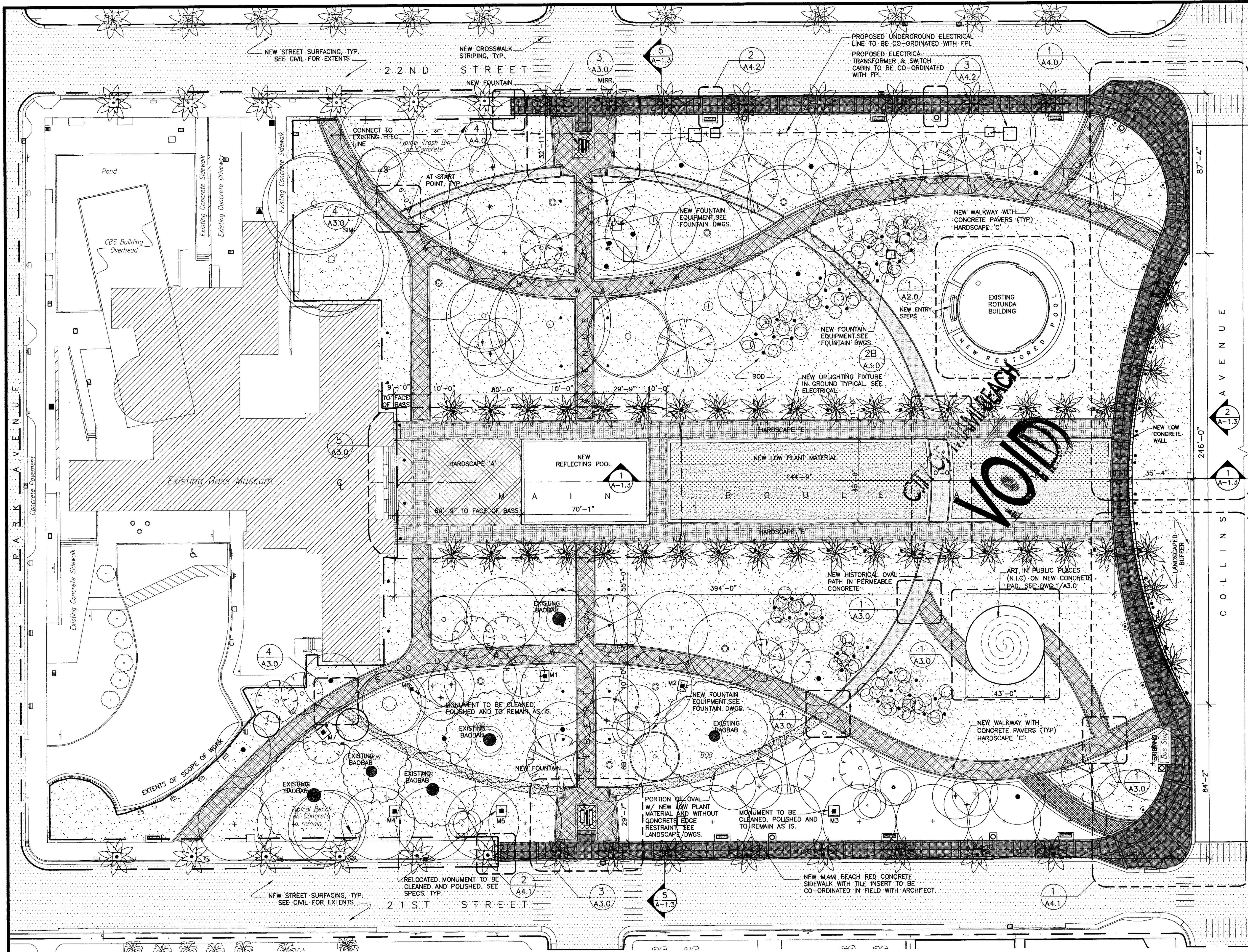


NOV 08, 2007 PERMIT SET

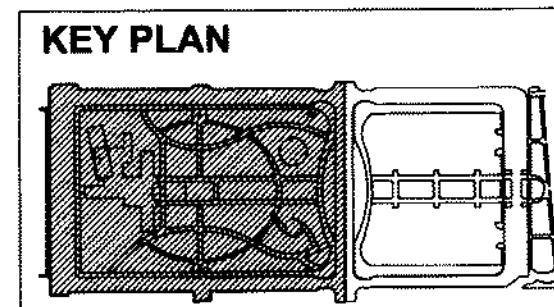


NOTE: REFER TO LANDSCAPE PLANS FOR ALL LANDSCAPING INFORMATION.





- LEGEND:**
- 6" x 12" EDGE PAVER TYPE - 2 (SEE SPECS)
 - 24" x 24" FIELD PAVER TYPE - 1 AT 45 DEGREES (SEE SPECS)
 - HARDSCAPE 'A'
 - 6" x 12" EDGE PAVER TYPE - 2 (SEE SPECS)
 - 12" x 12" FIELD PAVER TYPE - 1A (SEE SPECS)
 - HARDSCAPE 'B'
 - 6" x 12" EDGE PAVER TYPE - 3 (SEE SPECS)
 - 12" x 12" FIELD PAVER TYPE - 4 AT 45 DEGREES (SEE SPECS)
 - HARDSCAPE 'C'
 - NEW PERMEABLE CONCRETE (SEE SPECS)
 - NEW MIAMI BEACH RED CONCRETE SIDEWALK
 - NEW ASPHALTIC RESURFACING
 - NEW GROUNDCOVER
 - NEW LOW PLANTING
 - NEW COCONUT PALM
 - NEW STREET TREE
 - EXISTING MONUMENT. SEE PLAN FOR ADDITIONAL NOTES.
 - NEW SEATING BENCH ON CONCRETE PAD SPECIFIED BY CITY OF MIAMI BEACH
 - NEW TRASH RECEPTACLE ON CONCRETE PAD SPECIFIED BY CITY OF MIAMI BEACH
 - NEW LIGHT POLE TYPICAL. SEE ELECTRICAL.
 - NEW UPLIGHTING FIXTURE IN GROUND TYPICAL. SEE ELECTRICAL.



1 ENLARGED SITE PLAN: PARK + ROTUNDA
SCALE: 1" = 24'-0"

NOTE: REFER TO LANDSCAPE PLANS FOR ALL LANDSCAPING INFORMATION.



DRAWN BY: AY/LS/WPB/KN
 CHKO BY: WPB
 APP'D BY: JP
 ISSUE DATE: NOV 08, 2007
 REVISIONS: OATE

MCHARRY ASSOCIATES
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 WWW.MCHARRY.COM

THOMAS H. MCHARRY
 ARCHITECT
 1-15-08

**ENLARGED SITE PLAN WEST
 PARK + ROTUNDA**

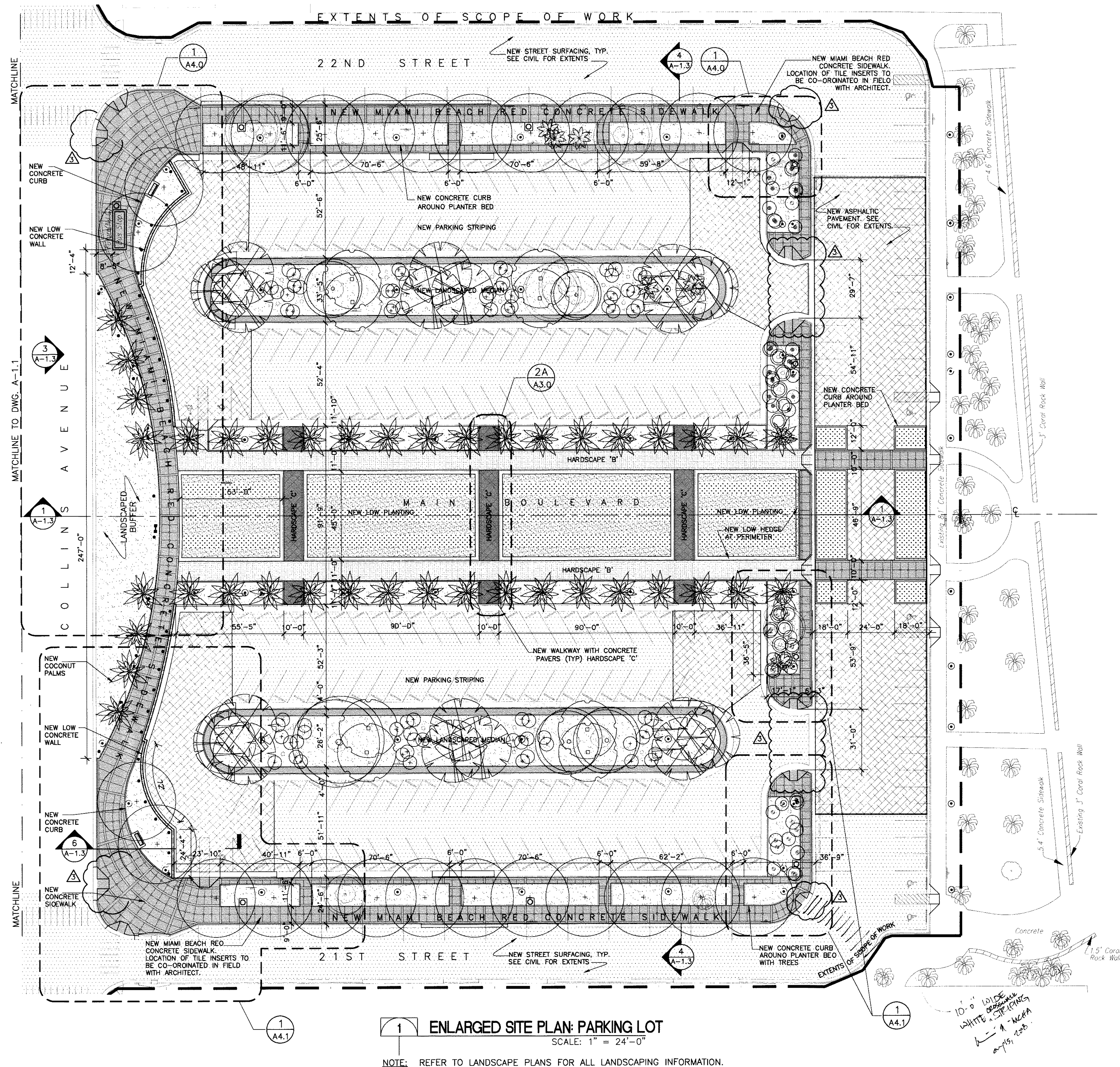
SCALE: 1" = 24'-0"
 NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A-1.1

PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETScape
 MIAMI BEACH, FLORIDA

OWNER:
 CITY OF MIAMI BEACH

NOV 08, 2007 PERMIT SET



SITE PLAN LEGEND:

- 6" x 12" EDGE PAVES TYPE - 2 (SEE SPECS)
- 12" x 12" FIELD PAVES TYPE - 1A (SEE SPECS)
- 6" x 12" EDGE PAVES TYPE - 3 (SEE SPECS)
- 12" x 12" FIELD PAVES TYPE - 4 (SEE SPECS)
- NEW MIAMI BEACH RED CONCRETE SIDEWALK (SEE SPECS)
- NEW ASPHALT PAVEMENT
- NEW ASPHALT RESURFACING
- NEW GROUND COVER
- NEW LANDSCAPING
- NEW COCONUT PALM
- NEW STREET TREE
- NEW BENCH ON CONCRETE PAD SPECIFIED BY CITY OF MIAMI BEACH
- NEW TRASH RECEPTACLE ON CONCRETE PAD SPECIFIED BY CITY OF MIAMI BEACH
- NEW LIGHT POLE. SEE ELECTRICAL.
- NEW UPLIGHTING FIXTURE IN GROUND TYPICAL. SEE ELECTRICAL.

PARKING CALCULATIONS:

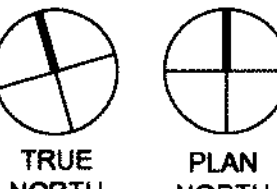
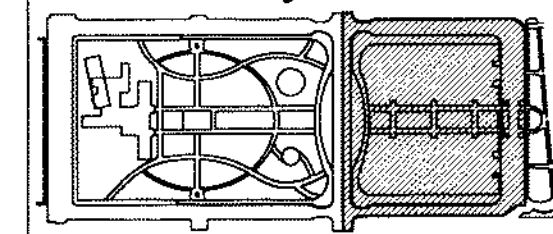
NUMBER OF OFF STREET PARKING SPACES = 84, INCLUDING 5 ACCESSIBLE SPACES.

NUMBER OF PARKING SPACES IN PARKING LOTS = 208, INCLUDING 6 ACCESSIBLE SPACES.

TOTAL NUMBER OF PARKING SPACES PROVIDED = 292, INCLUDING 11 ACCESSIBLE SPACES.

(PER FBC 2004, SECTION 11-4.1.2 - 5(A) PARKING SPACES: THE REQUIRED NUMBER OF ACCESSIBLE SPACES FOR A TOTAL OF 292 = 7)

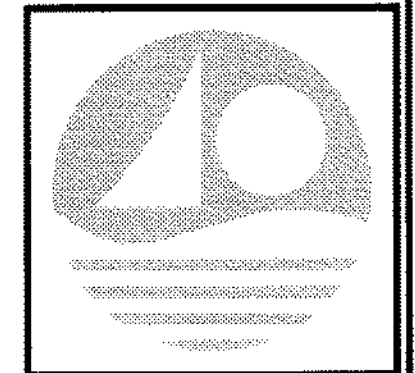
KEY PLAN



DRAWN BY: AY/LS/MPB/KN
 CHKD BY: WFB
 APP'D BY: JP
 ISSUE DATE: NOV 08, 2007
 REVISIONS: NO. DATE
 1 MAY 02, 2008 PERMIT REVISIONS
 2 NOT USED

MCHARRY ASSOCIATES
 ARCHITECTURAL & ENGINEERING PLANNING
 2780 SW DOUGLAS RD., SUITE 302
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 WWW.MCHARRY.COM

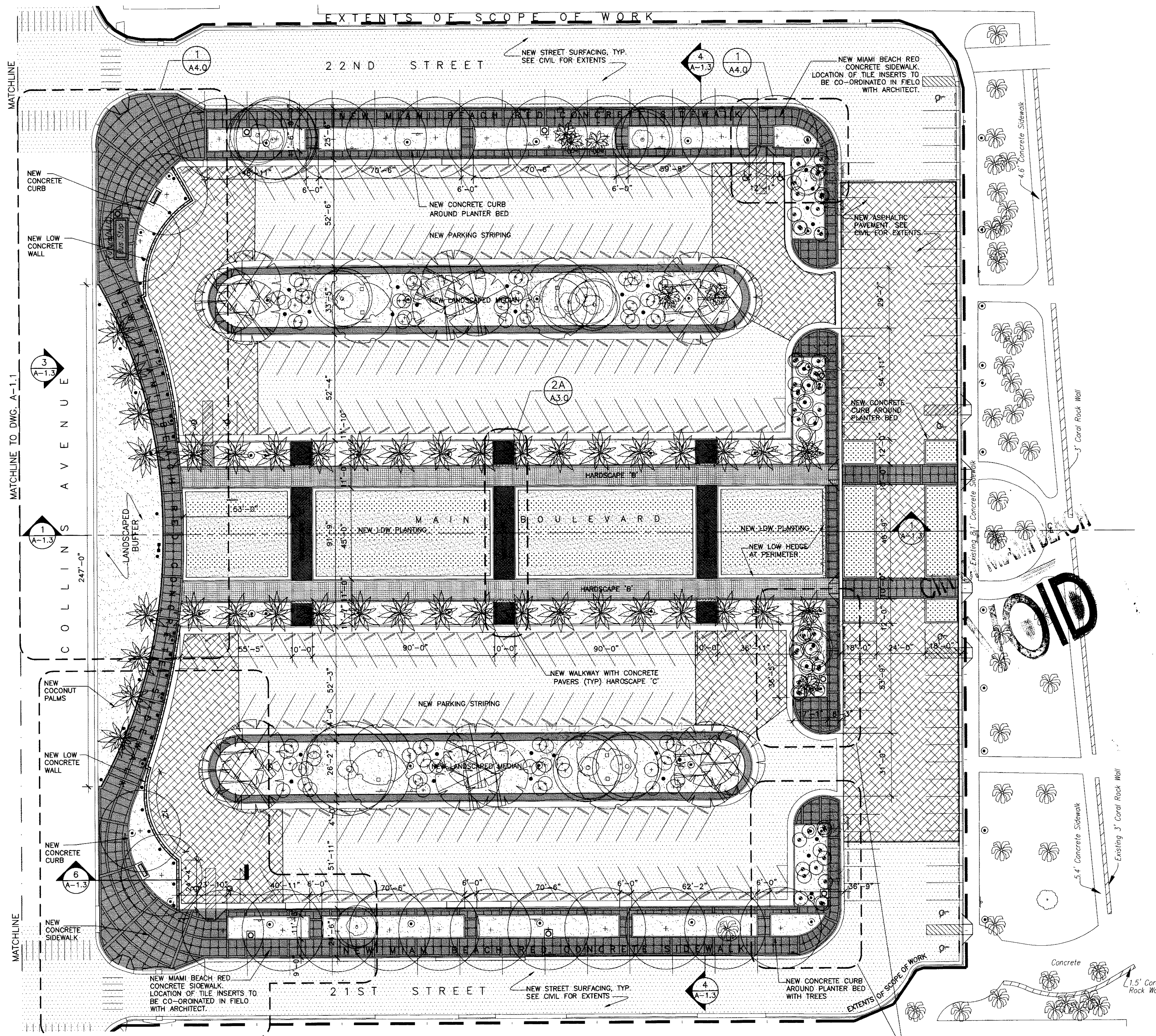
THOMAS CHARRISON
 AR 00740
 5/14/08



PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETSCAPE
 MIAMI BEACH, FLORIDA
 OWNER:
 CITY OF MIAMI BEACH

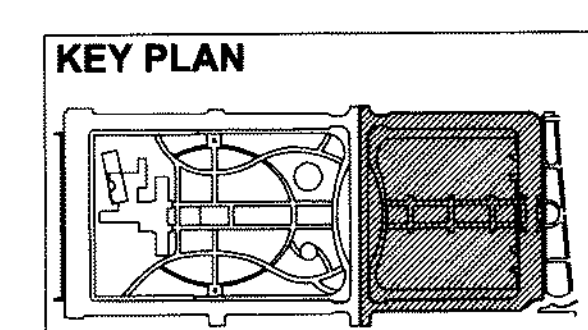
DRAWING TITLE
**PARKING FACILITY
 ENLARGED SITE PLAN EAST**
 SCALE: 1" = 24'-0"
 NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET NO.
A-1.2



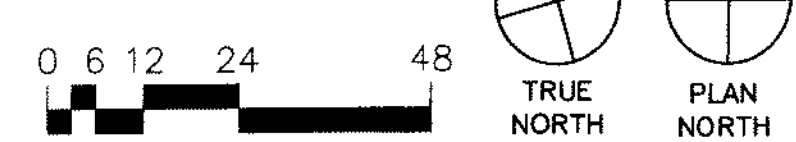
SITE PLAN LEGEND:

- 6" x 12" EDGE PAVER TYPE - 2 (SEE SPECS)
- 12" x 12" FIELD PAVER TYPE - 1 (SEE SPECS)
- HARDSCAPE 'B'
- 6" x 12" EDGE PAVER TYPE - 3 (SEE SPECS)
- 12" x 12" FIELD PAVER TYPE - 4 (SEE SPECS)
- HARDSCAPE 'C'
- NEW MIAMI BEACH RED CONCRETE SIDEWALK (SEE SPECS)
- NEW ASPHALT PAVEMENT
- NEW ASPHALTIC RESURFACING
- NEW GROUND COVER
- NEW LANDSCAPING
- NEW COCONUT PALM
- NEW STREET TREE
- NEW BENCH ON CONCRETE PAO SPECIFIED BY CITY OF MIAMI BEACH
- NEW TRASH RECEPTACLE ON CONCRETE PAO SPECIFIED BY CITY OF MIAMI BEACH
- NEW LIGHT POLE. SEE ELECTRICAL.
- NEW UPLIGHTING FIXTURE IN GROUND TYPICAL. SEE ELECTRICAL.



1 ENLARGED SITE PLAN: PARKING LOT
SCALE: 1" = 24'-0"

NOTE: REFER TO LANDSCAPE PLANS FOR ALL LANDSCAPING INFORMATION.



DRAWN BY: AY/LS/WPB/KN
CHKD BY: WPB
APPRO BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. OATE

MCHARRY ASSOCIATES
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WWW.MCHARRY.COM

THOMAS CARSON
ART 007420
11.15.08

PROJECT TITLE:
**COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETScape
MIAMI BEACH, FLORIDA**

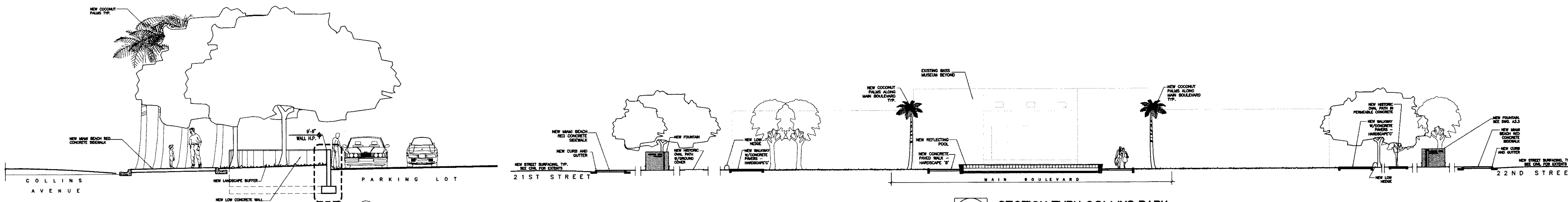
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
**PARKING FACILITY
ENLARGED SITE PLAN EAST**

SCALE: 1" = 24'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

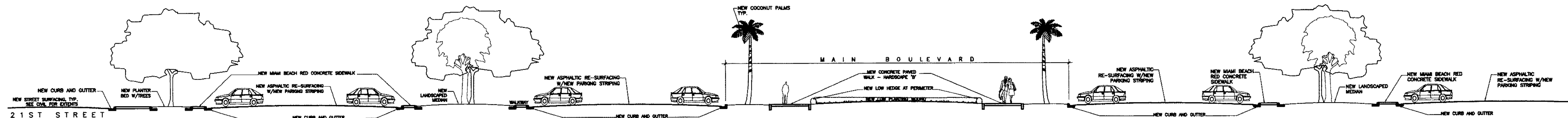
SHEET No.
A-12

NOV 08, 2007 PERMIT SET

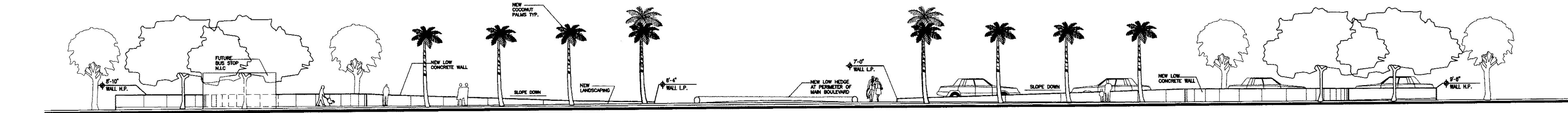


5 SECTION THRU COLLINS PARK
SCALE: 1/16" = 1'-0"

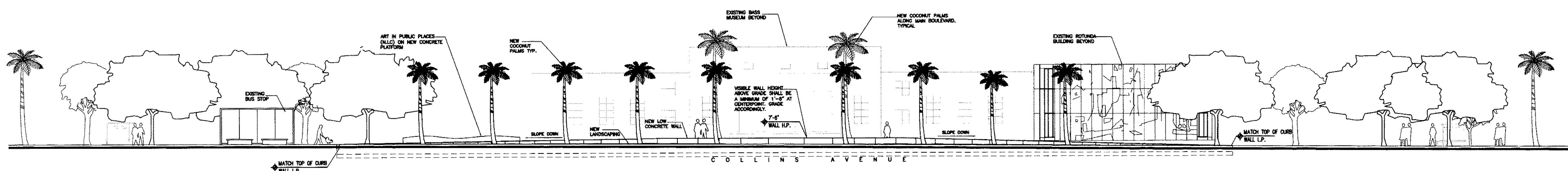
6 SECTION THRU EAST LOW WALL ALONG COLLINS AVENUE
SCALE: 1/8" = 1'-0"



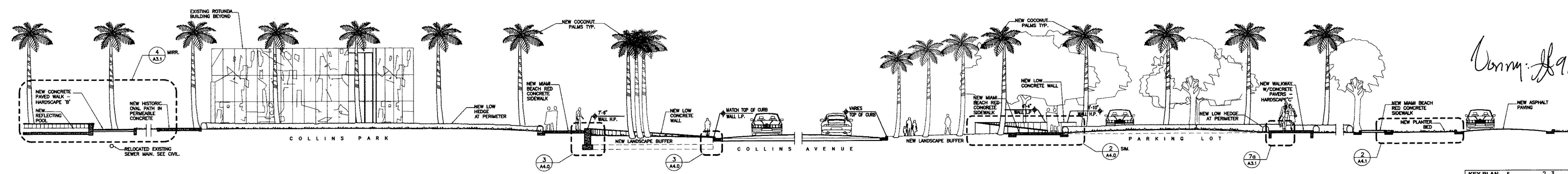
4 SECTION THRU PARKING LOT
SCALE: 1/16" = 1'-0"



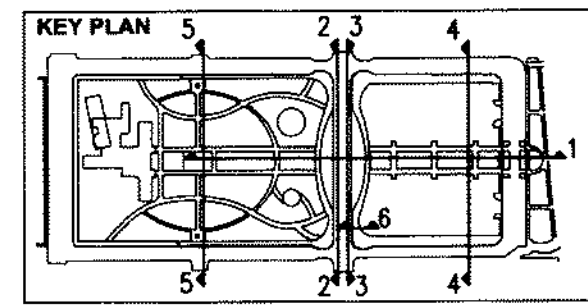
3 ELEVATION TOWARDS PARKING LOT / BEACH FROM COLLINS AVE
SCALE: 1/16" = 1'-0"



2 ELEVATION TOWARDS BASS MUSEUM FROM COLLINS AVE.
SCALE: 1/16" = 1'-0"



1 SECTION THRU MAIN BOULEVARD
SCALE: 1/16" = 1'-0"



DRAWN BY: WPB/KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

MCHARRY ASSOCIATES
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THOMAS CARLSON
ART 007420
1-15-08
SEAL

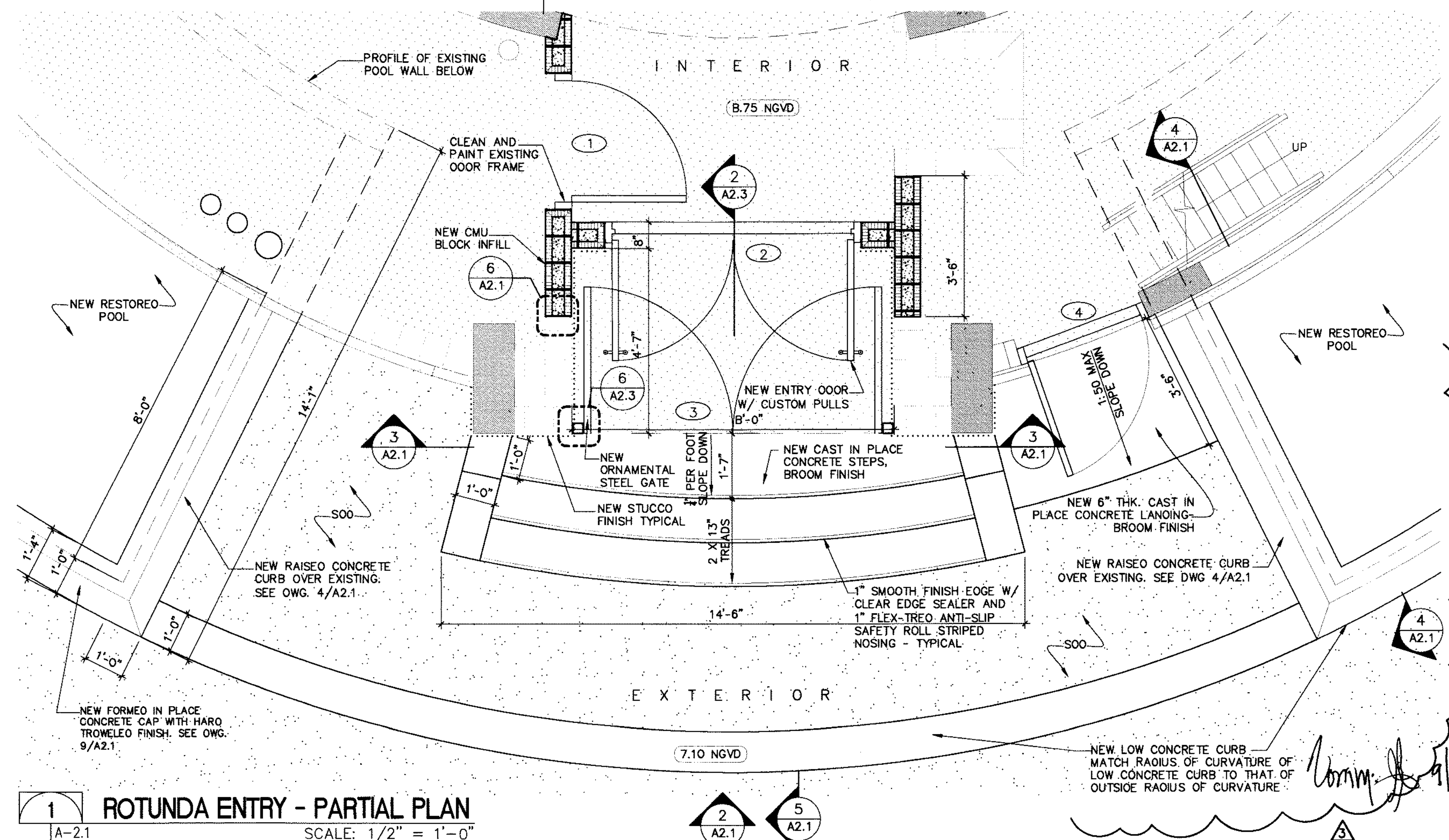
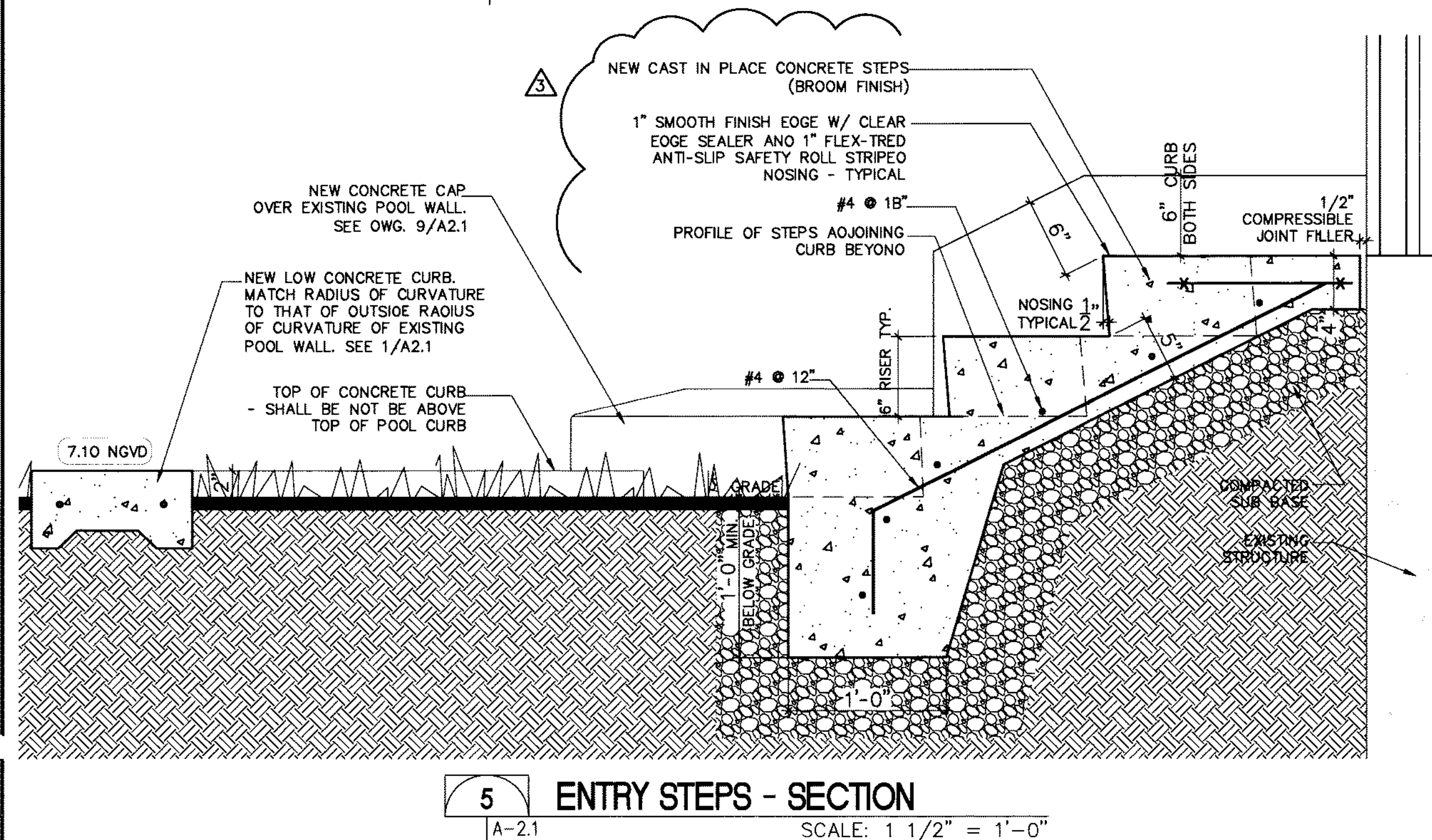
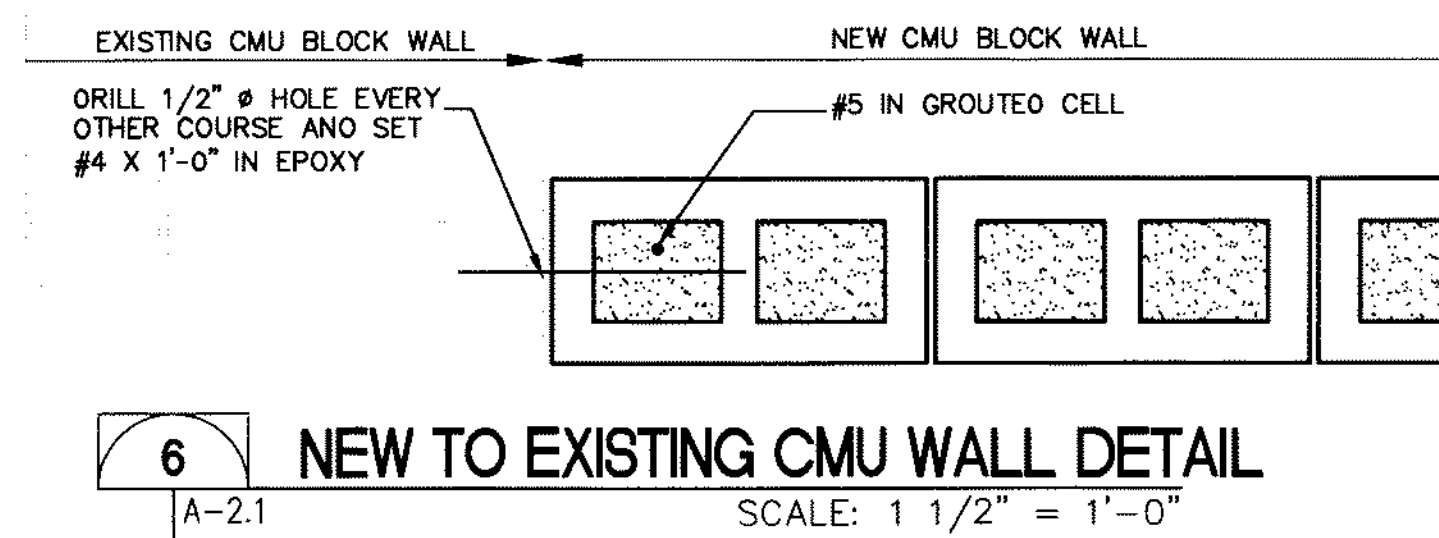
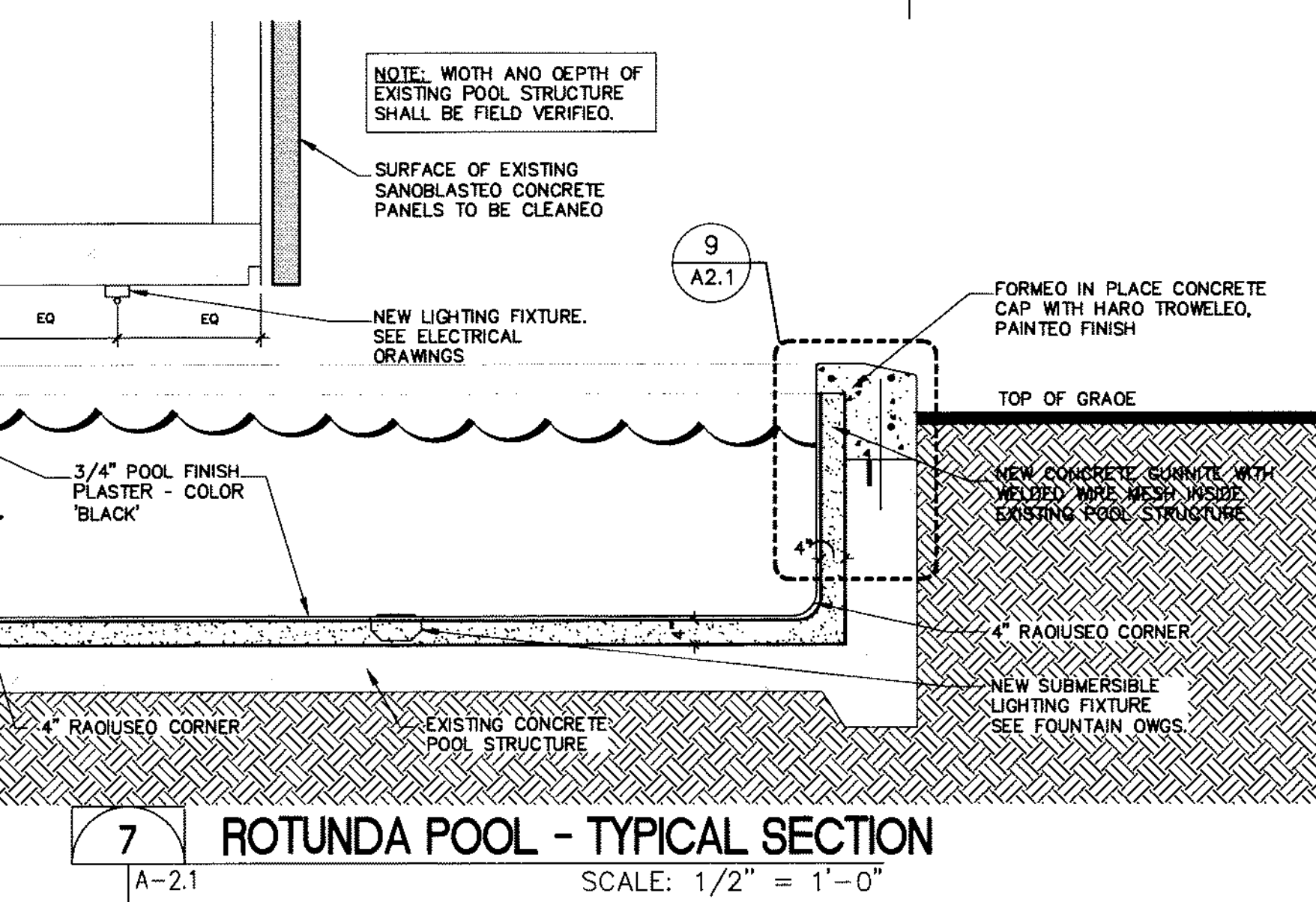
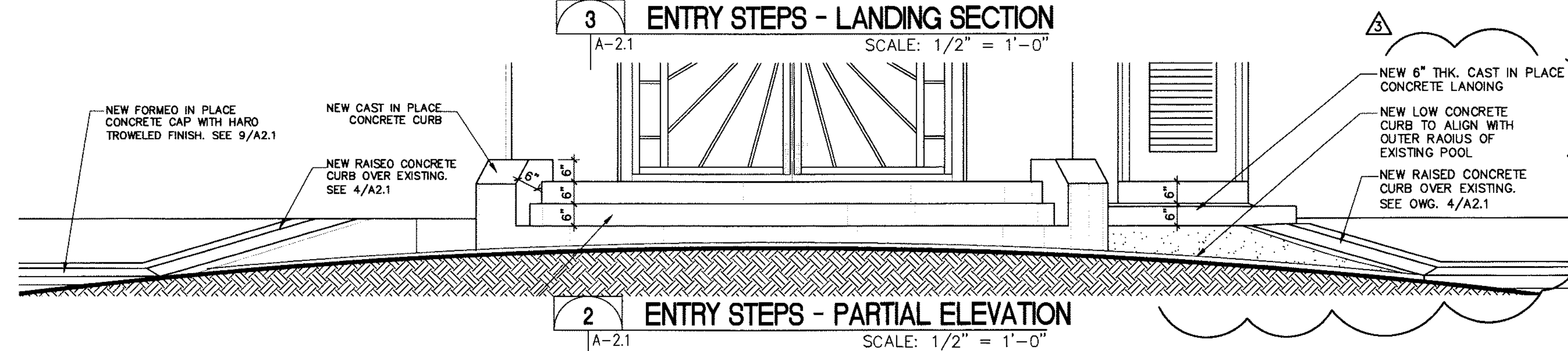
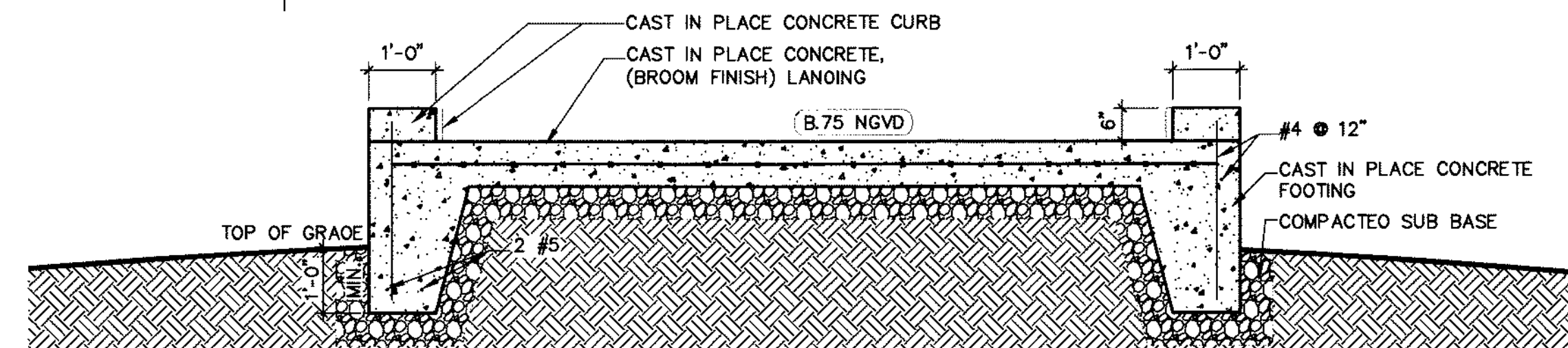
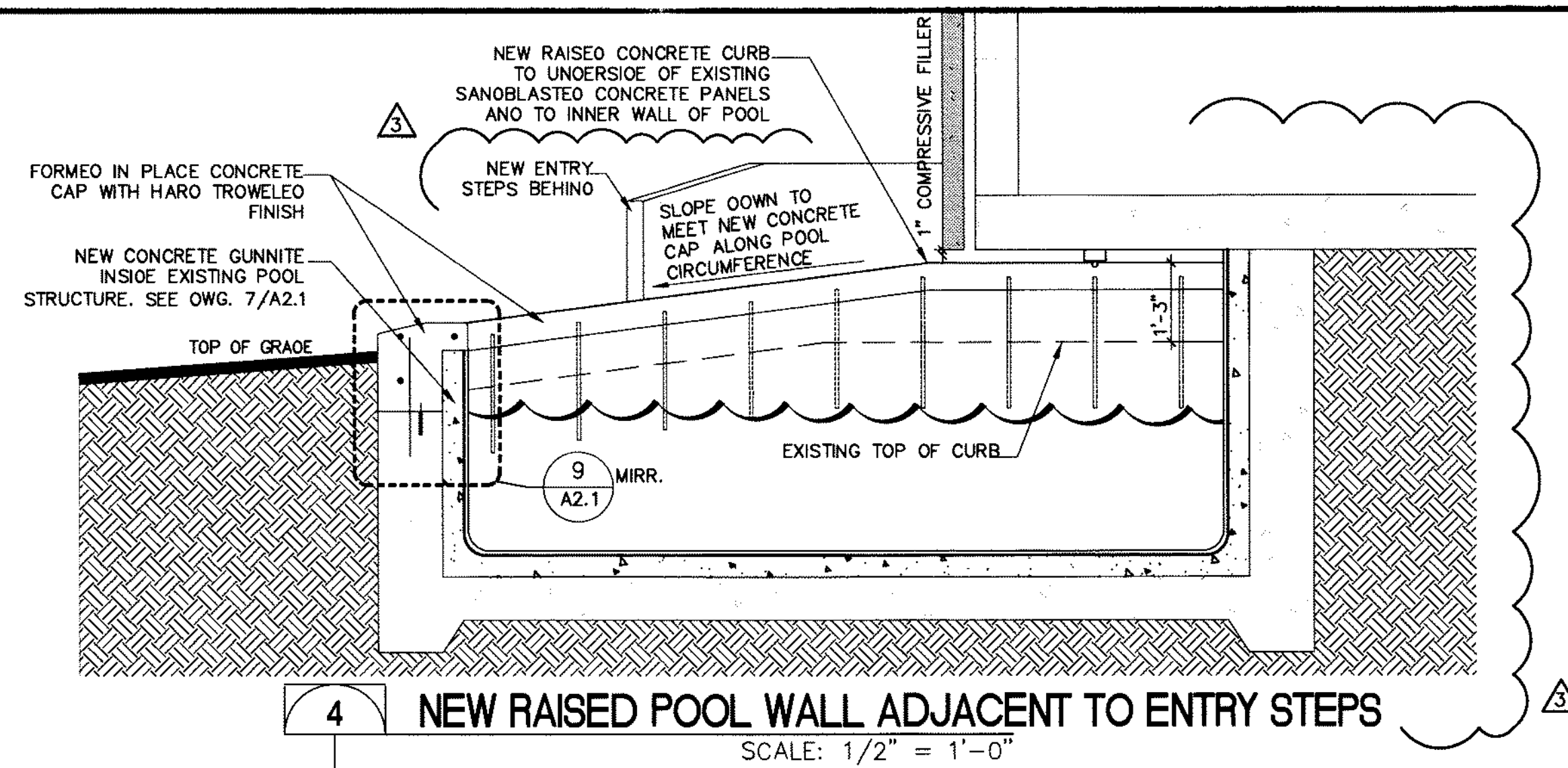
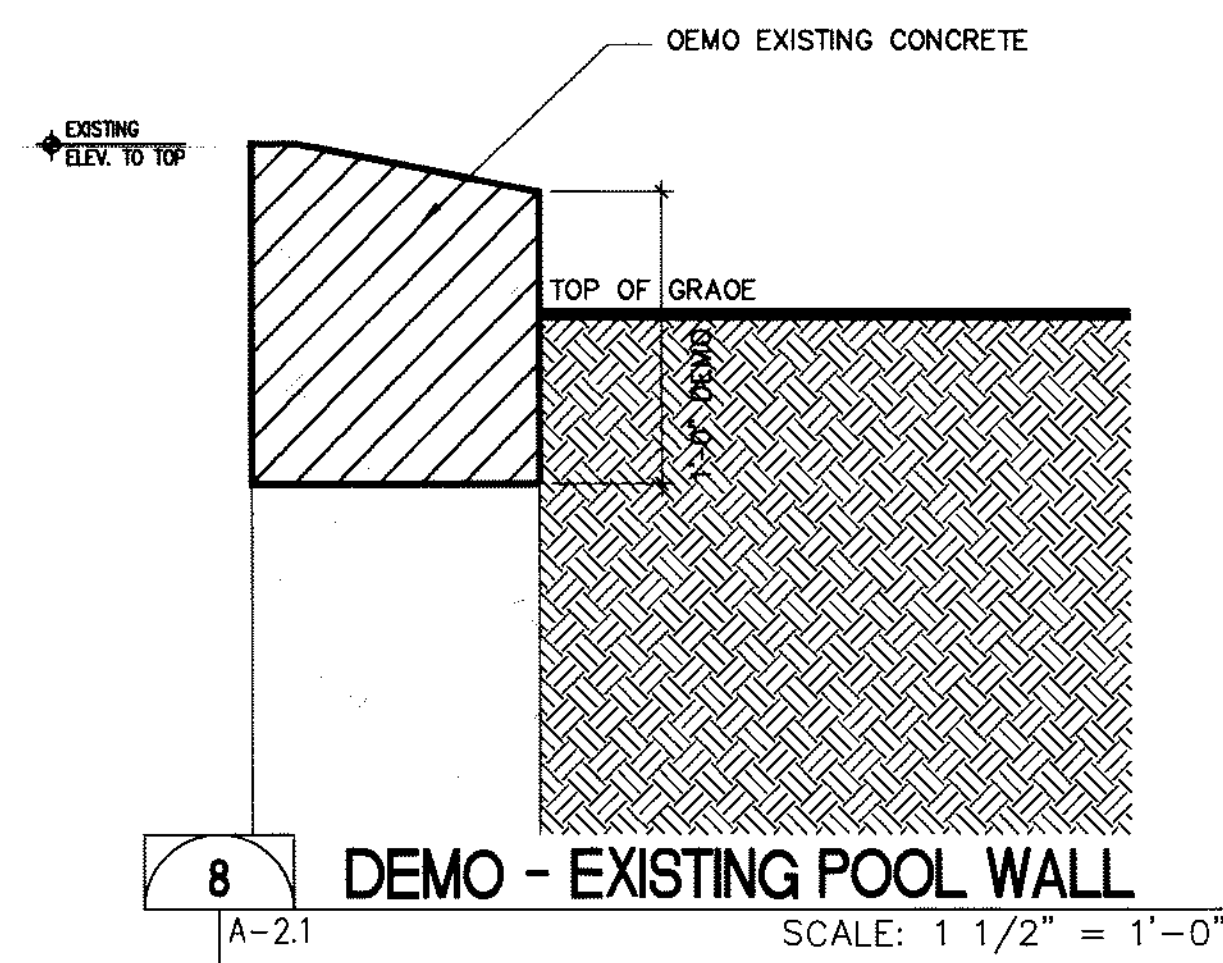
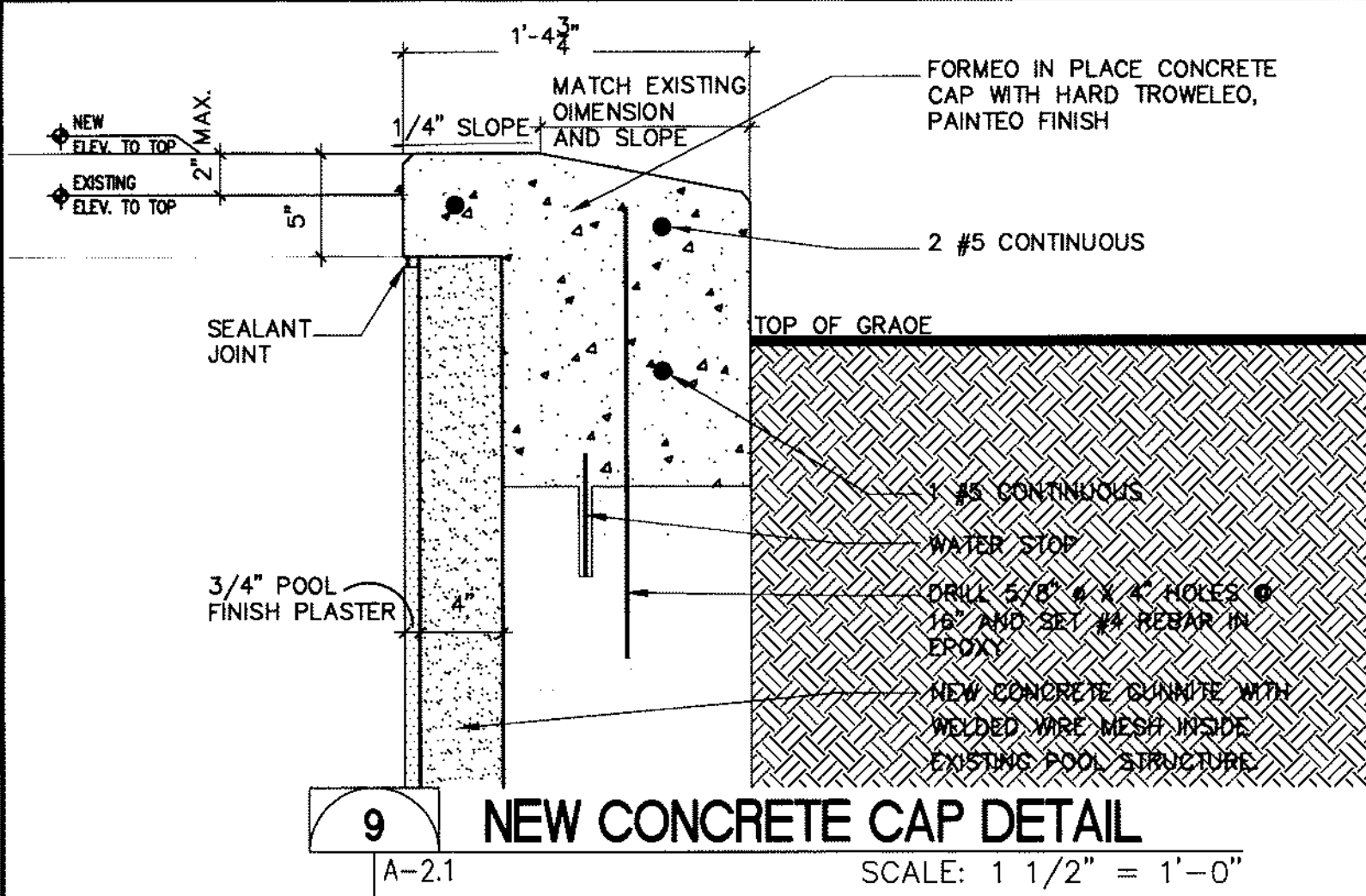
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETScape
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

SITE ELEVATIONS AND SECTIONS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A1.3

SHEET No.

A2.0



DRAWN BY:
KN
CHKO BY:
WPB
APP'D BY:
JP
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. OATE
1 2 NOT USED
3 MAY 02, 2008
PERMIT REVISIONS

MCHARRYASSOCIATES
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Thomas M. Carlsen, AIA James W. Pierock, AIA
0007420 AAC000886 CB0003863 0008076



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THOMAS CARLSON
AR 007420



PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA

OWNER: CITY OF MIAMI BEACH

3 TITLE

ROTUNDA

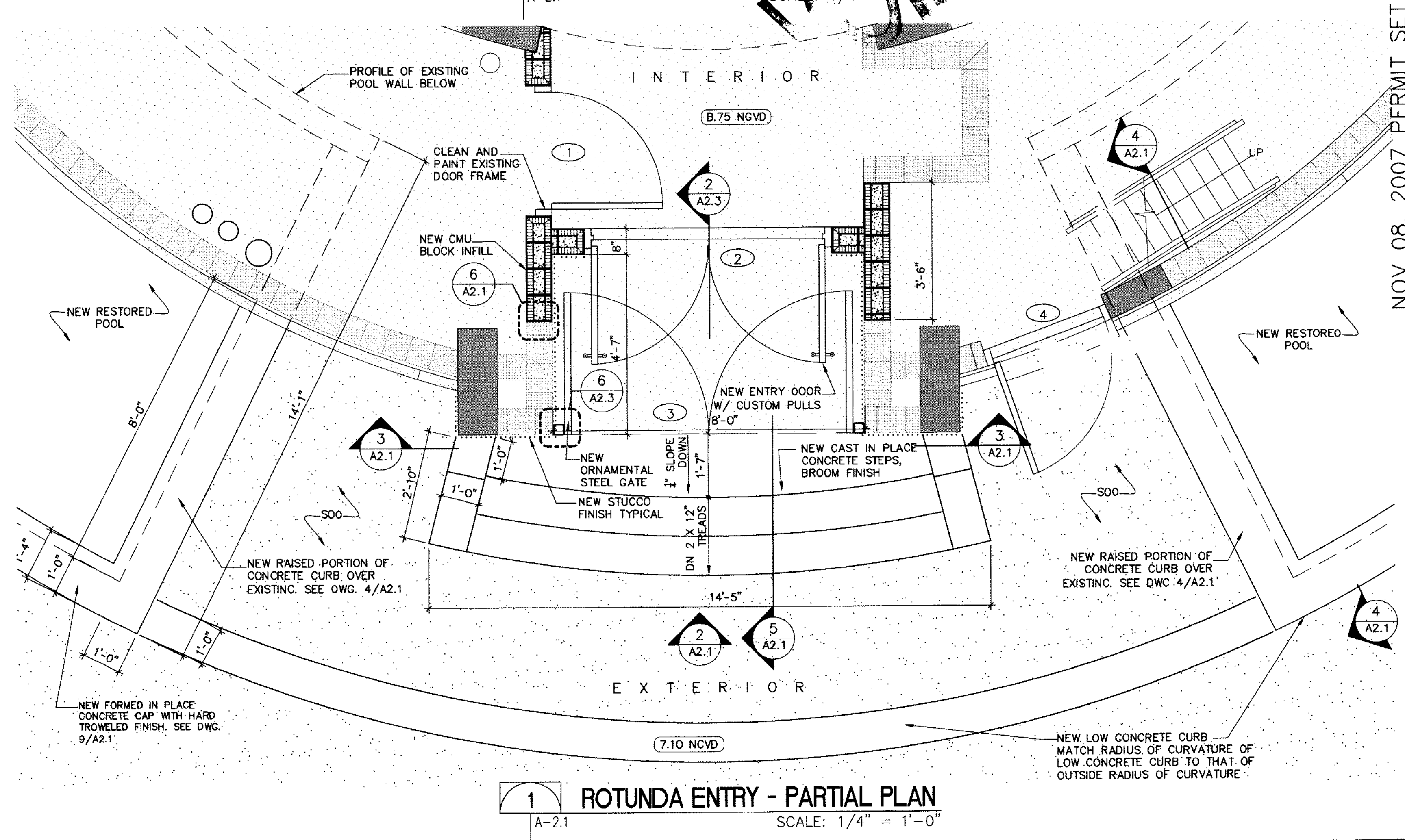
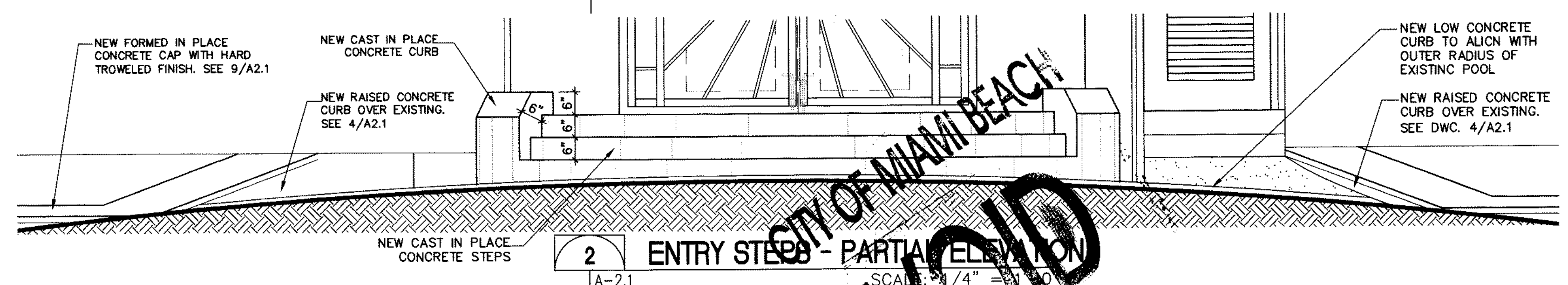
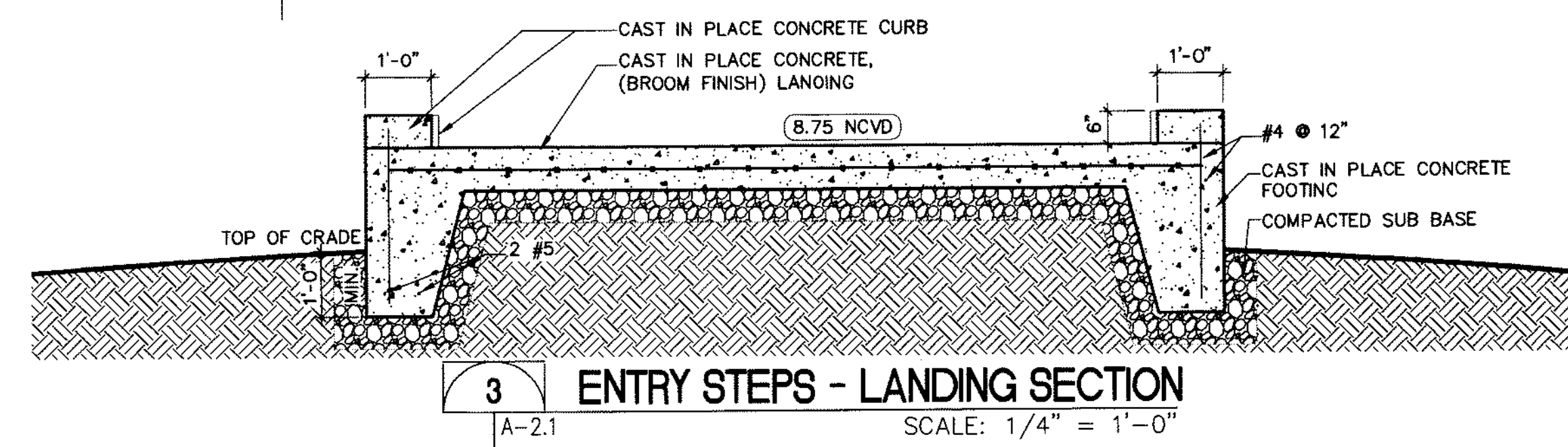
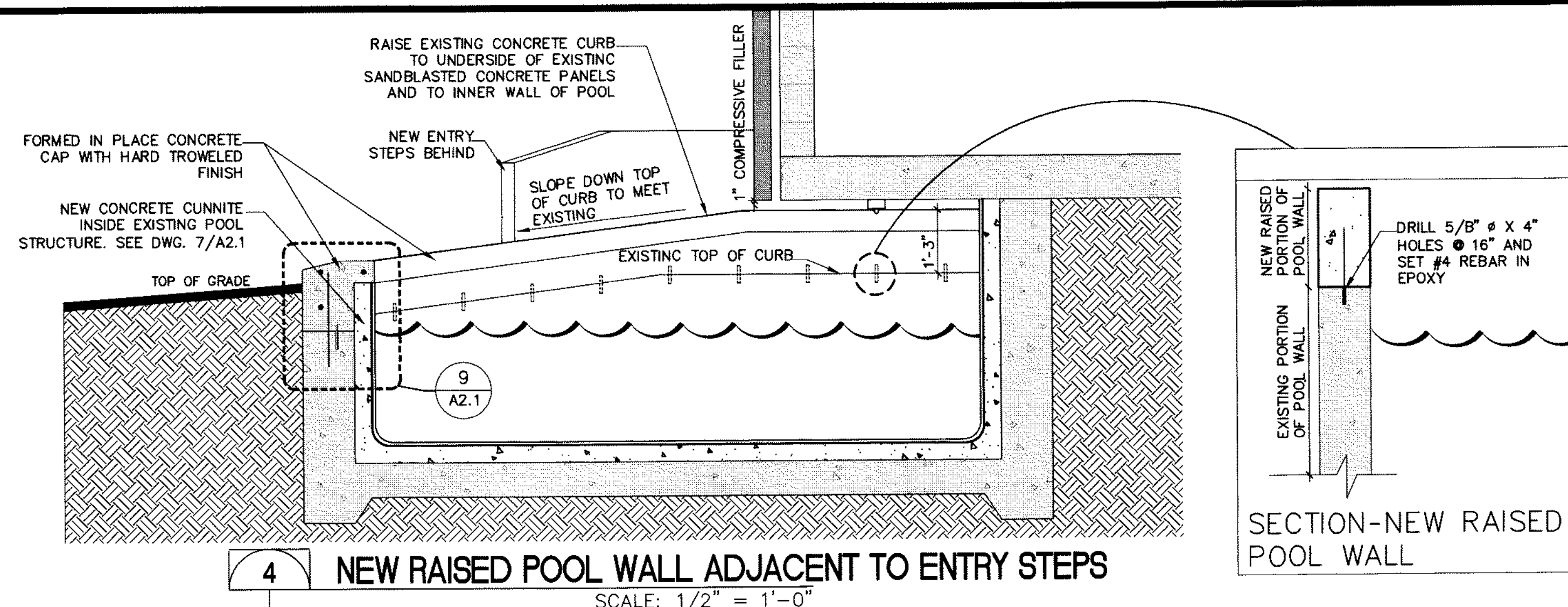
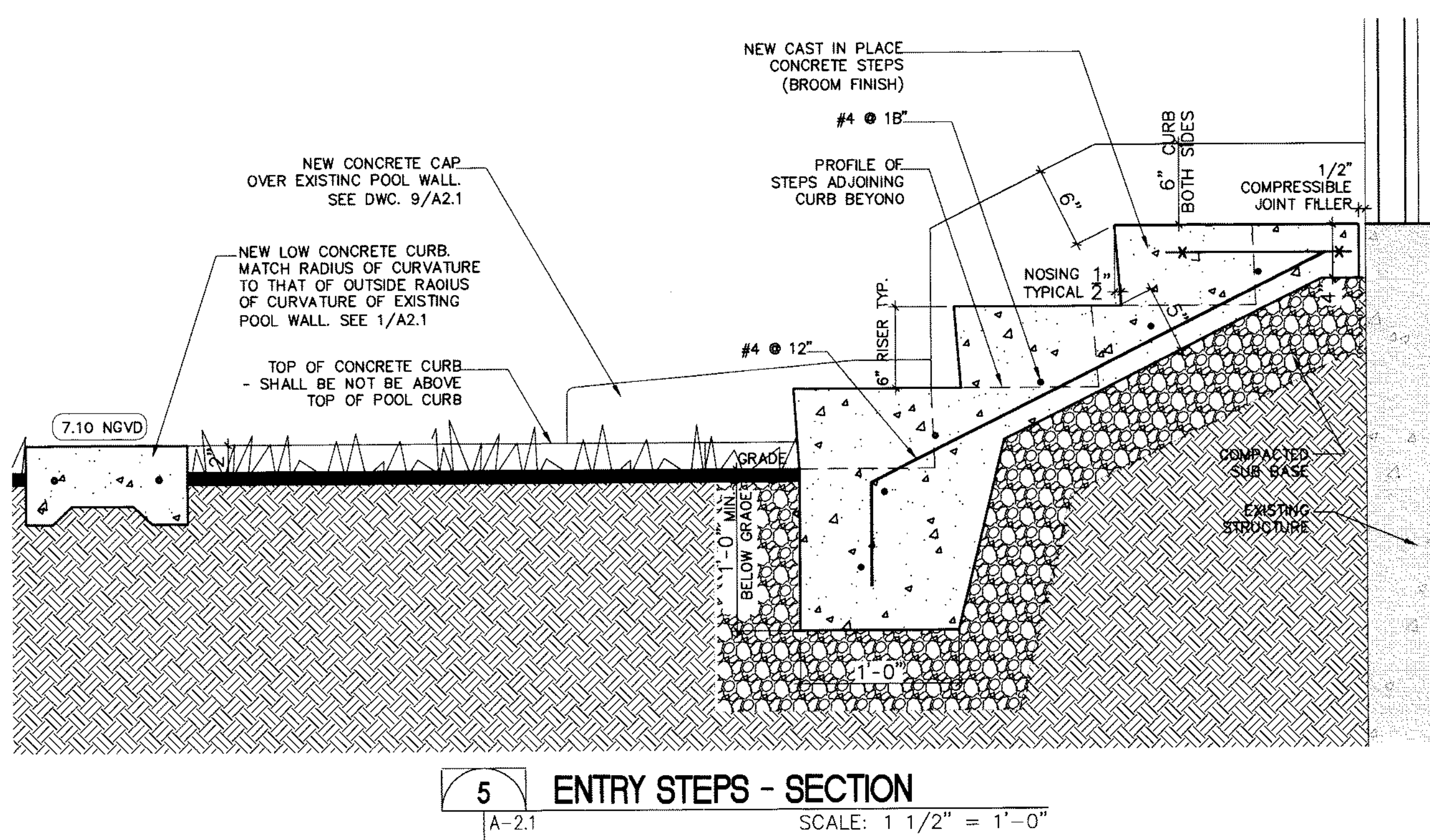
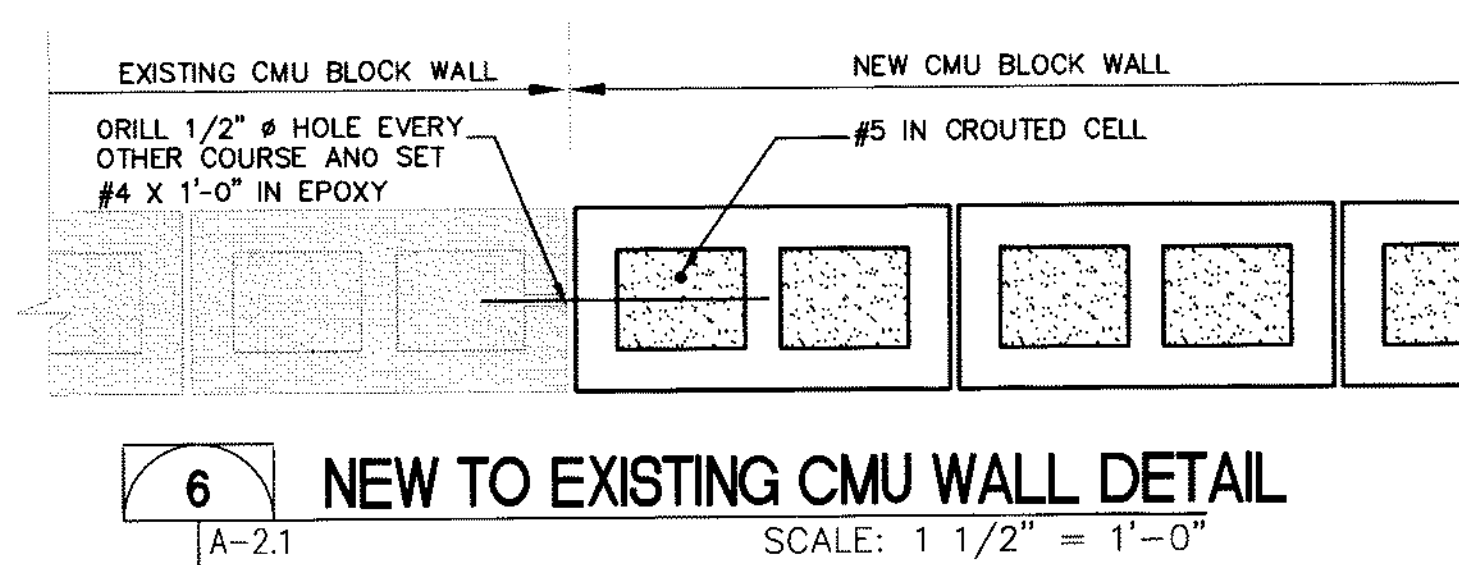
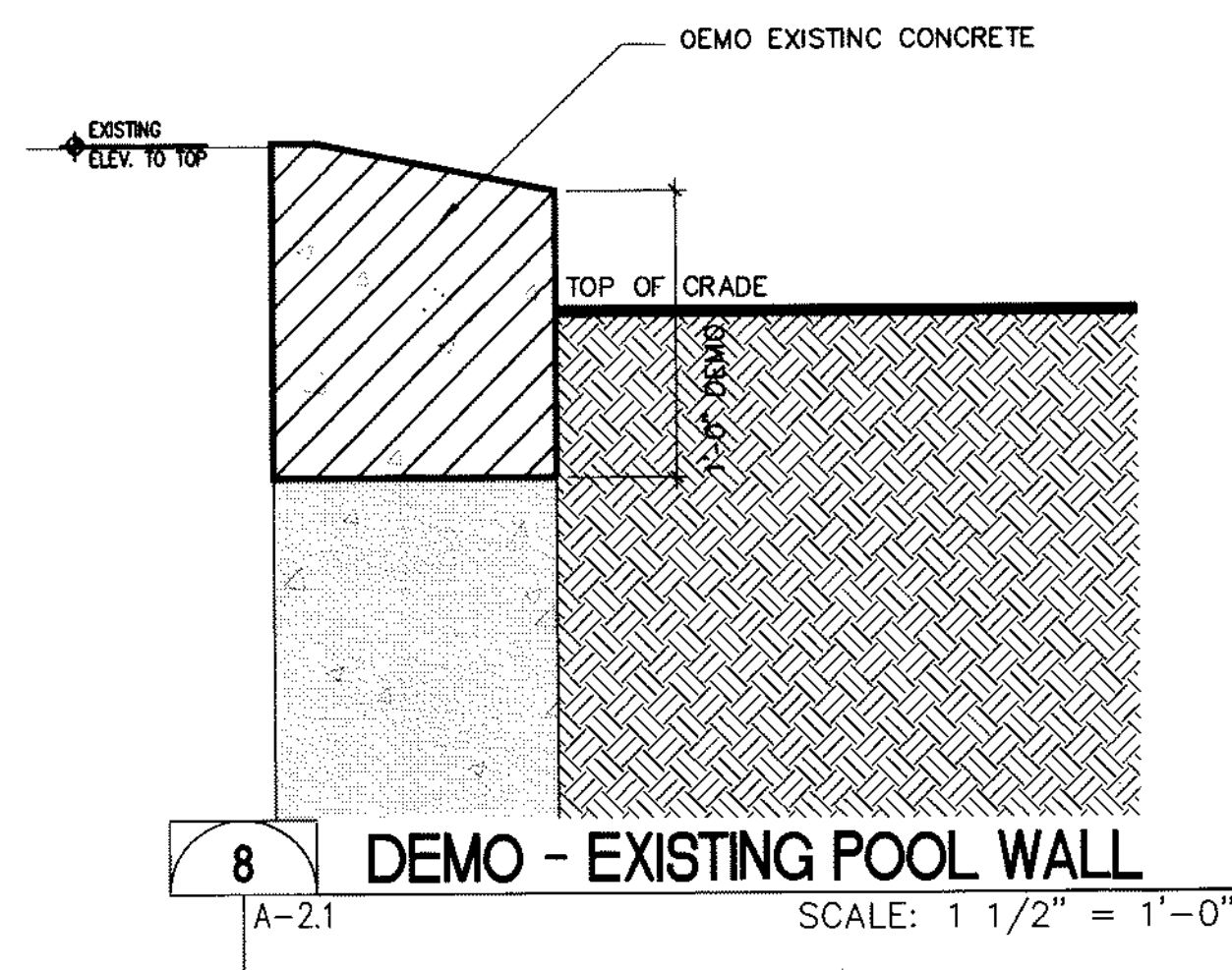
ENLARGED PLANS + DETAILS

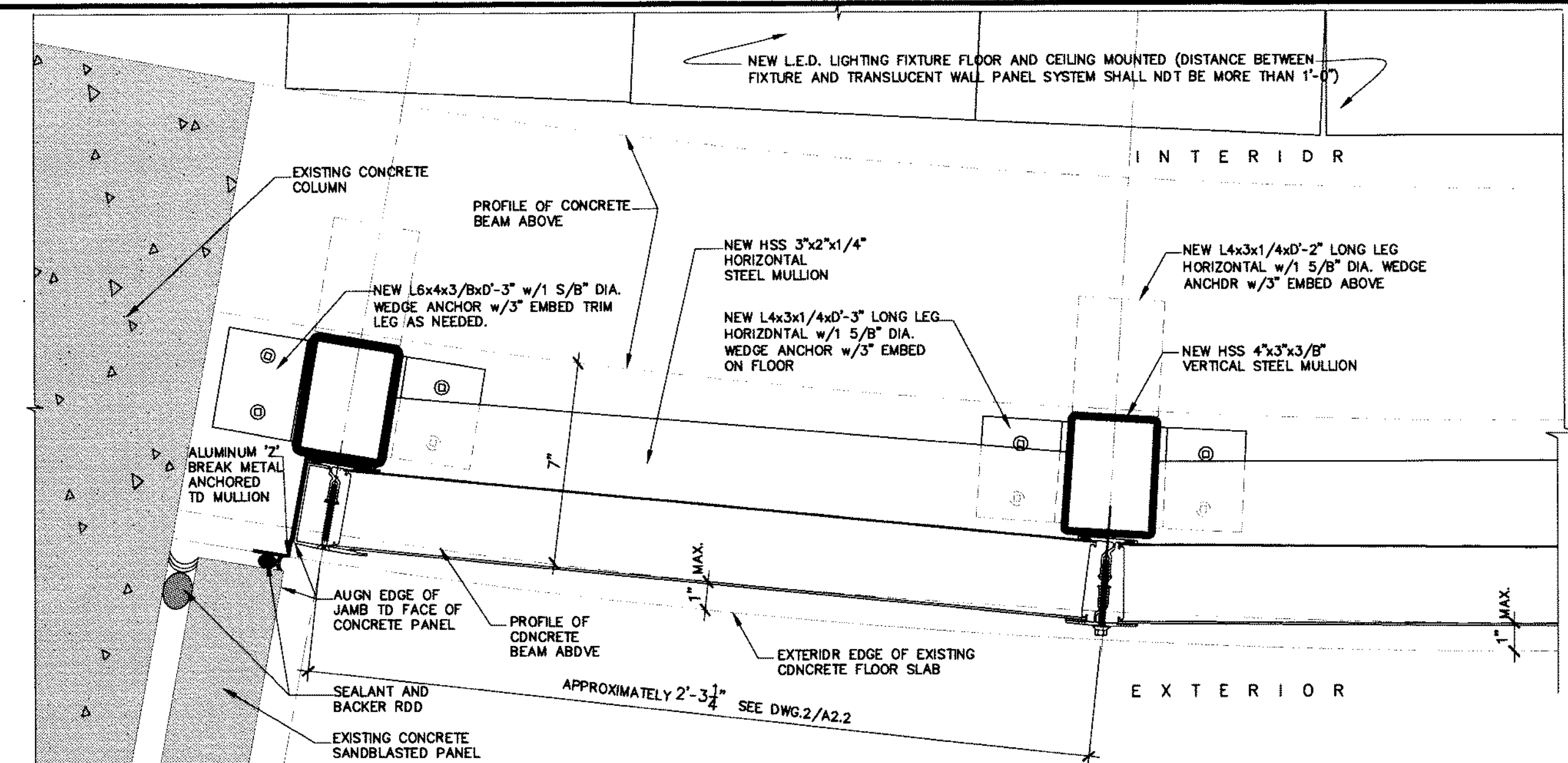
SCALE: AS NOTED

CONTRACTOR SHALL VERIFY ALL DIMENSIONS
BEFORE PROCEEDING WITH WORK

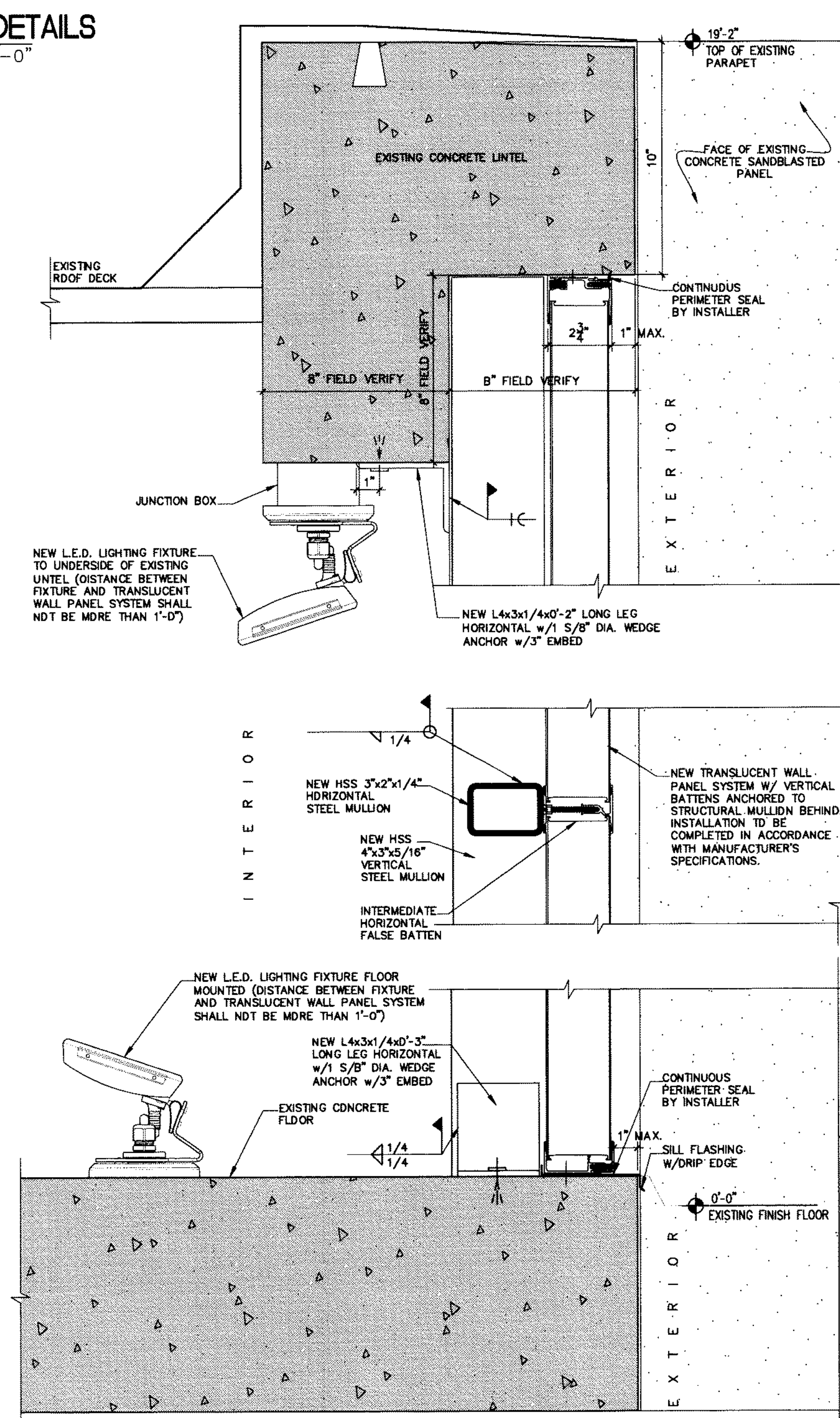
SHEET No.

A2.1

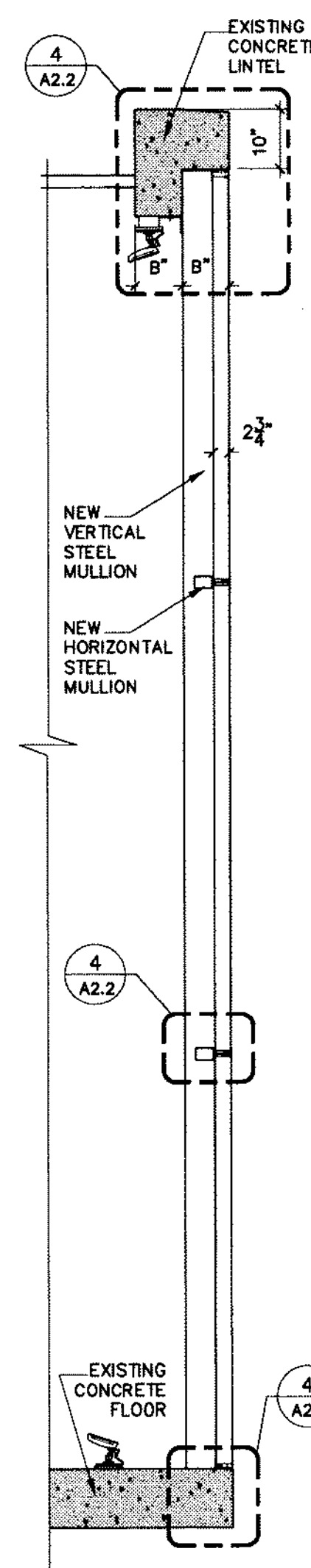




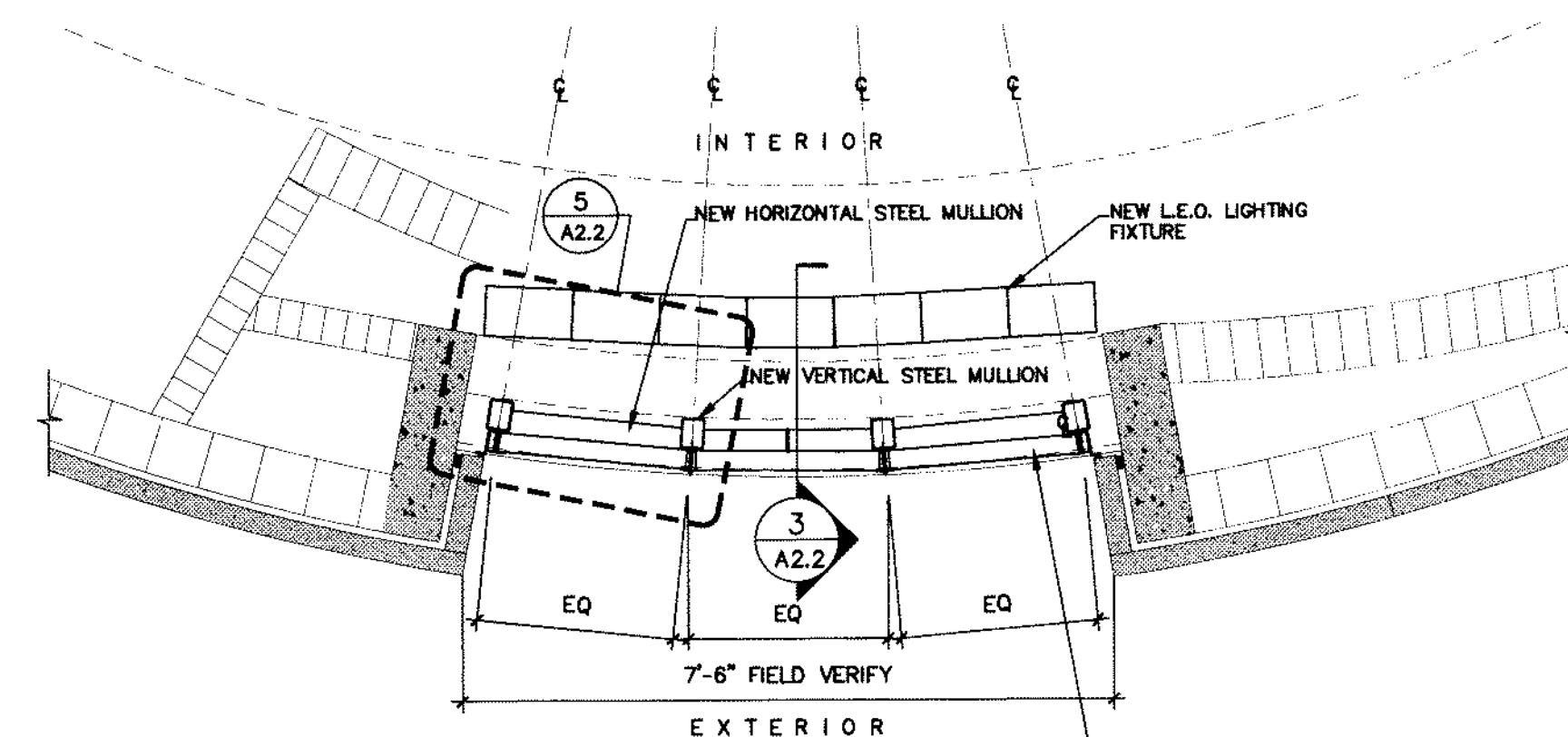
5 WALL PANEL SYSTEM - JAMB DETAILS
SCALE: 3" = 1'-0"



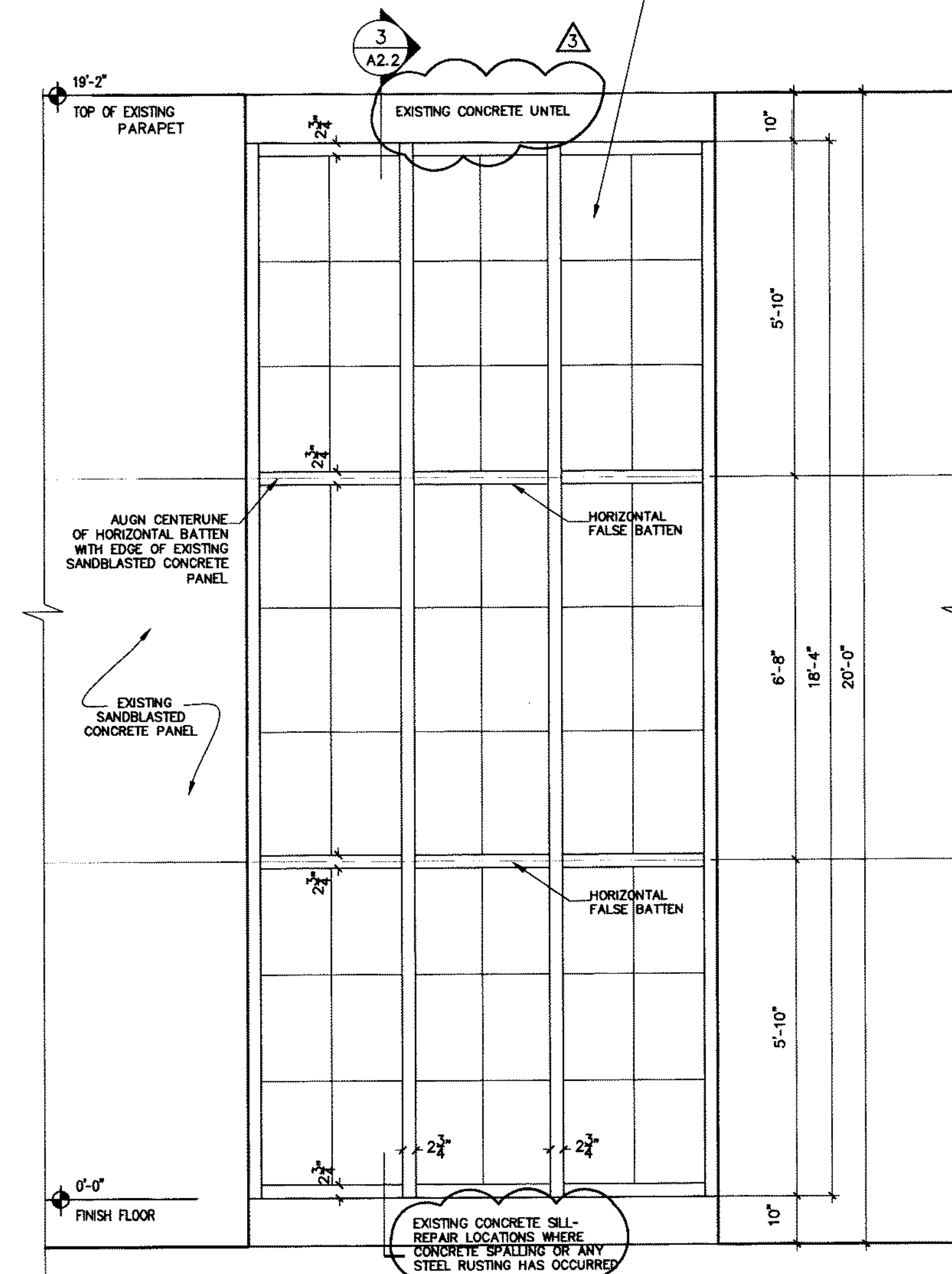
4 WALL PANEL SYSTEM - HEAD, SILL DETAILS
SCALE: 3" = 1'-0"



3 SECTION
SCALE: 1/2" = 1'-0"



2 PLAN
SCALE: 1/2" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

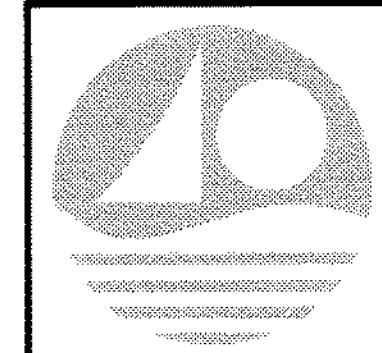
NOTES:

- 1) FIELD VERIFY ALL DIMENSIONS OF EXISTING CONDITIONS.
- 2) SEE SPEC SECTION 08950.

DRAWN BY: WPB/QPB/KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS:
No. DATE
NOT USED
MAY 02, 2008
PERMIT REVISIONS

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5-14-08
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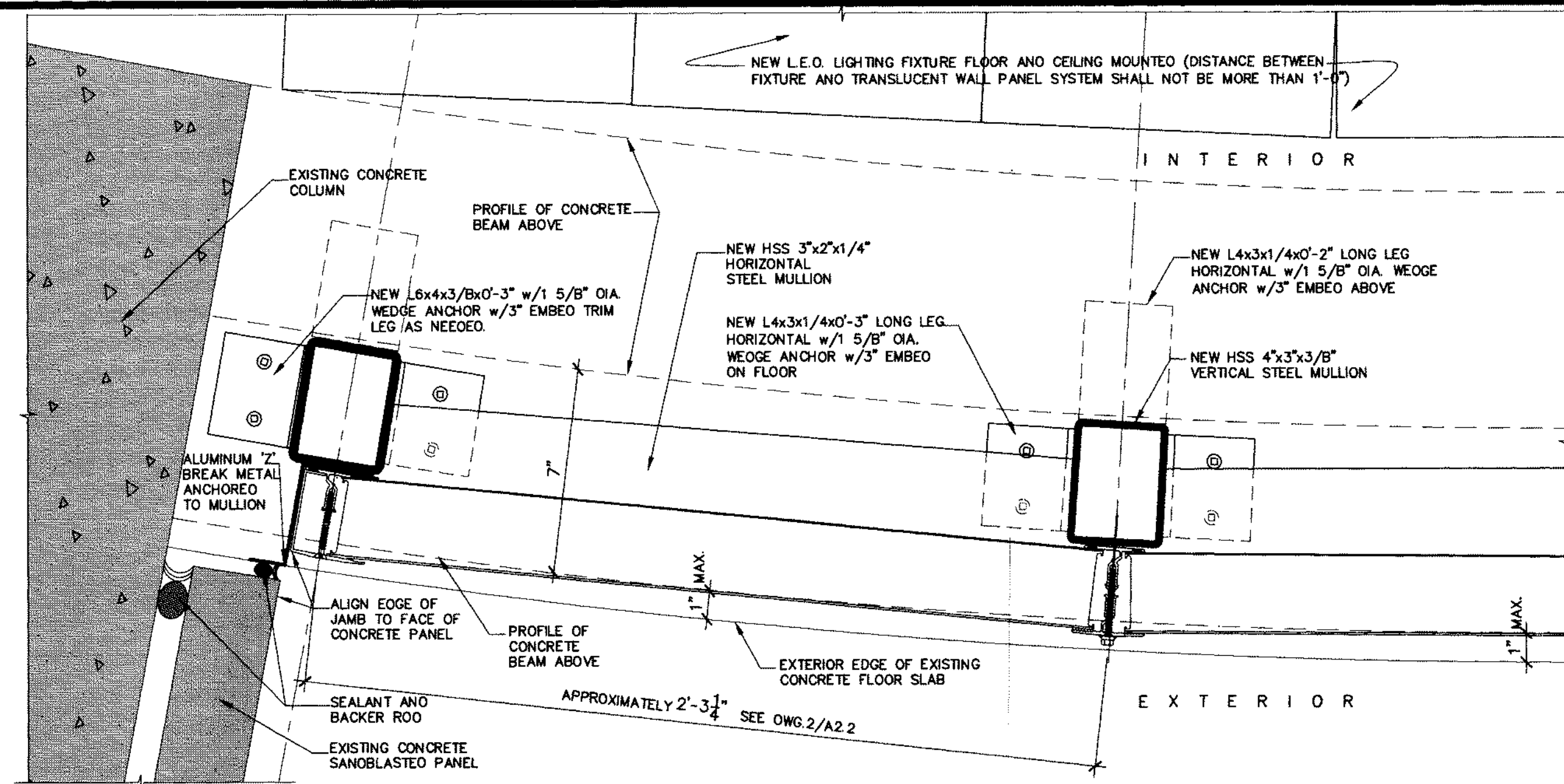
NOV 08, 2007 PERMIT SET

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

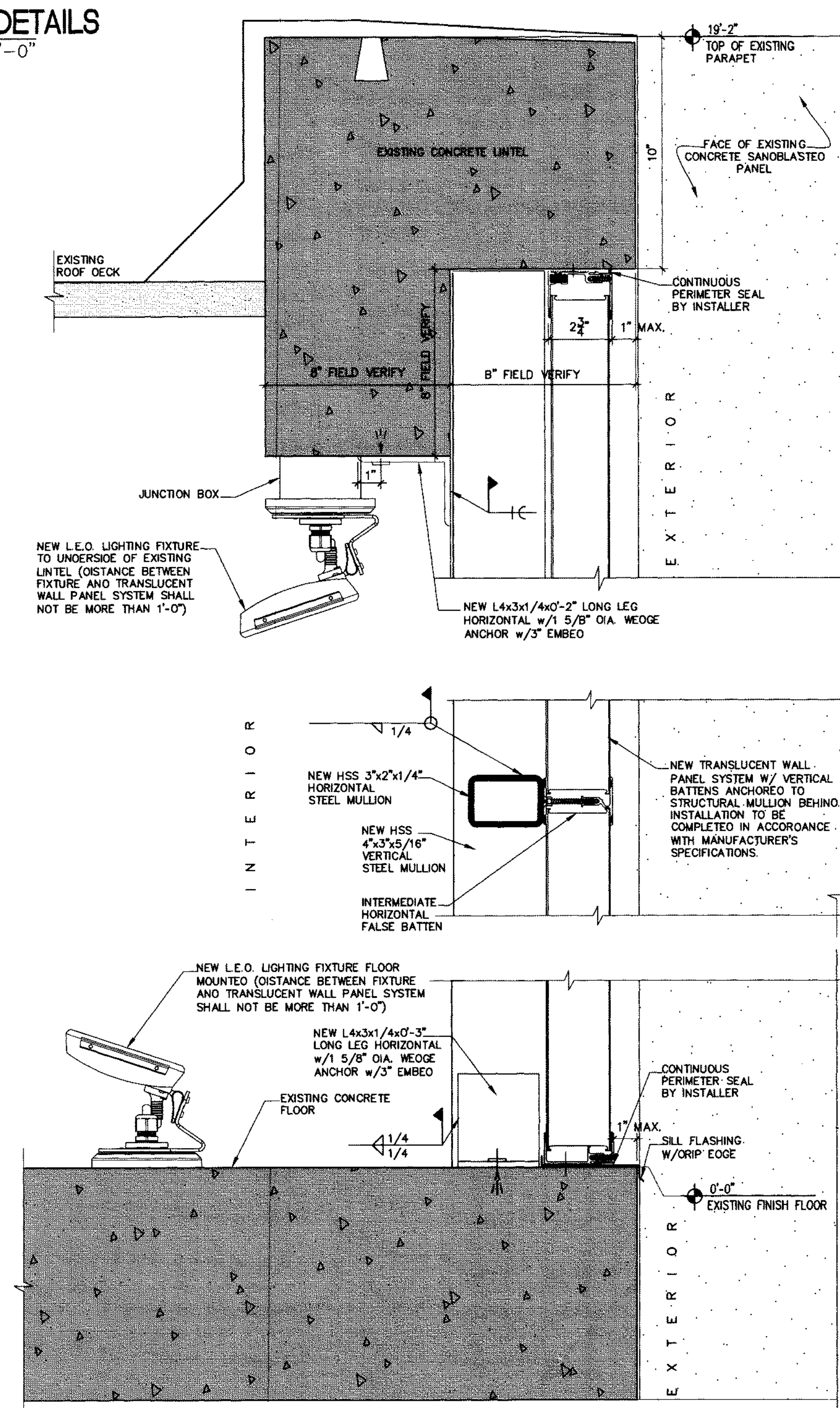
DRAWING TITLE:
ROTUNDA
TRANSLUCENT WALL PANEL SYSTEM
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

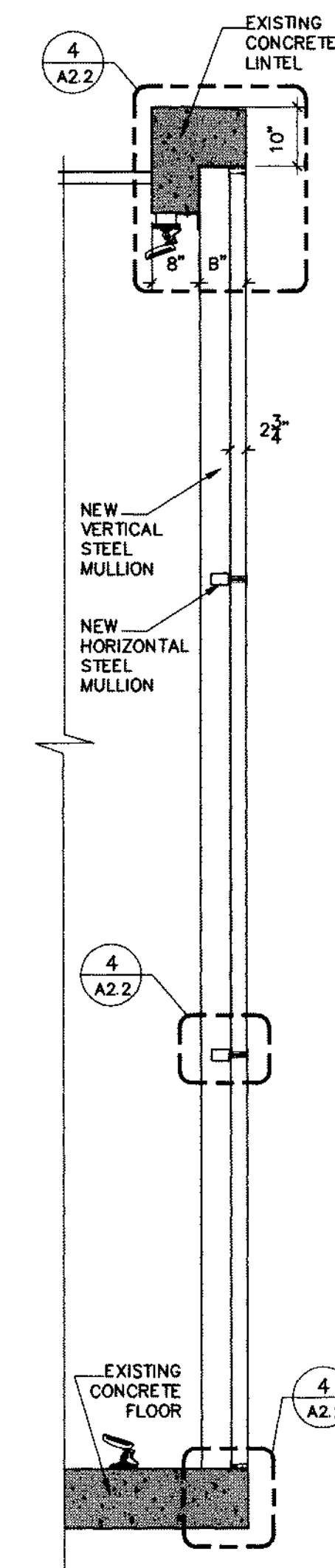
A2.2



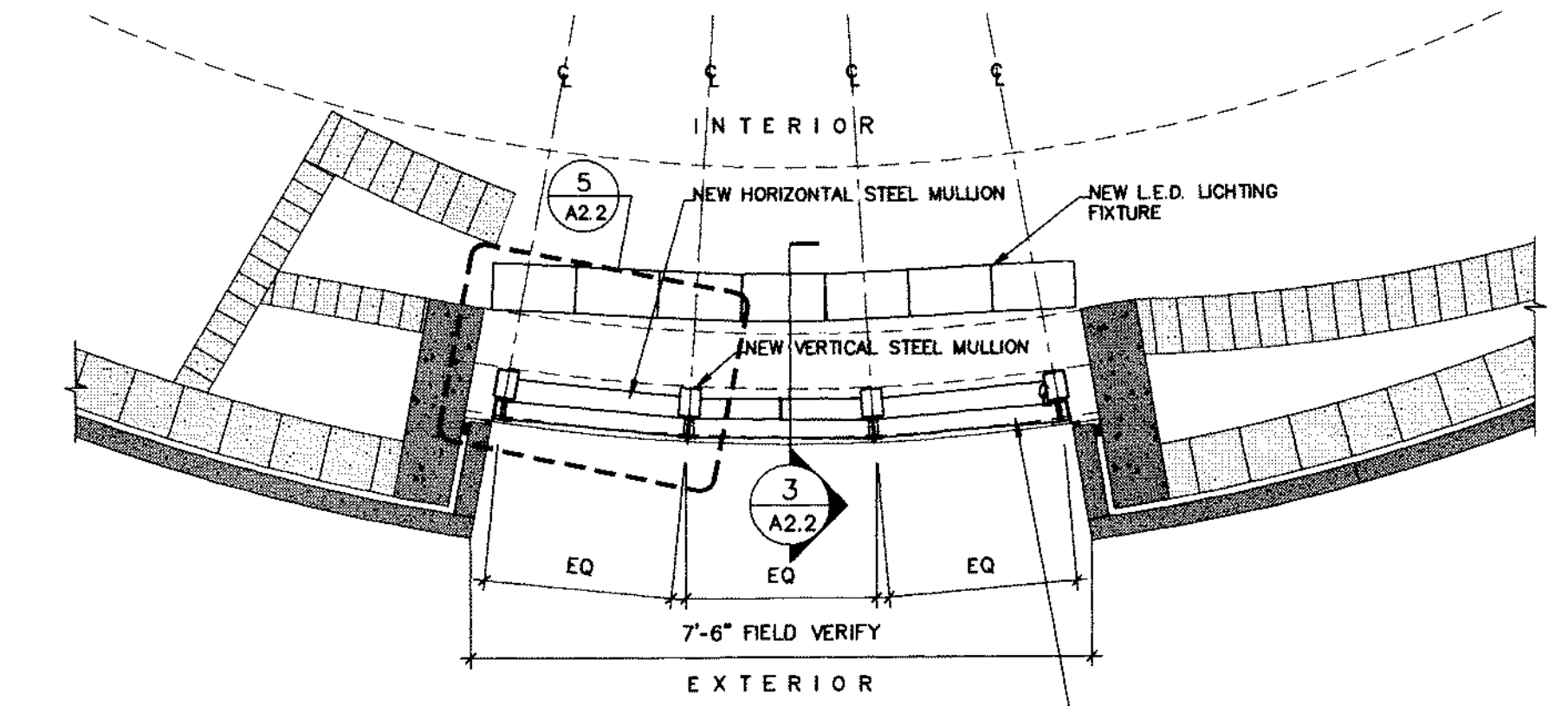
5 WALL PANEL SYSTEM - JAMB DETAILS
SCALE: 3" = 1'-0"



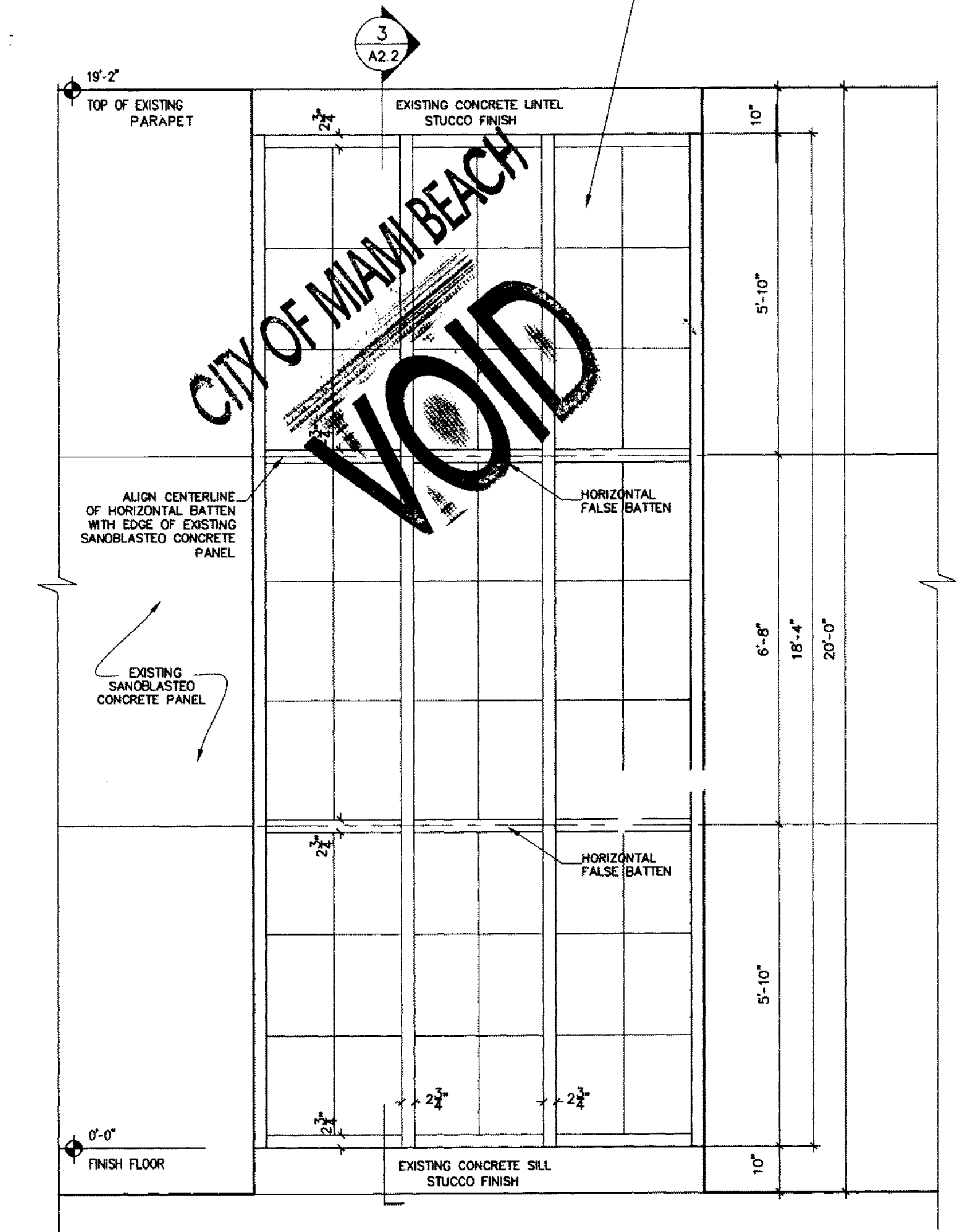
4 WALL PANEL SYSTEM - HEAD, SILL DETAILS
SCALE: 3" = 1'-0"



3 SECTION
SCALE: 1/2" = 1'-0"



2 PLAN
SCALE: 1/2" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

NOTES:
1) FIELD VERIFY ALL DIMENSIONS OF EXISTING CONDITIONS.
2) SEE SPEC SECTION 08950.

DRAWN BY: WPB/OPB/KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

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CITY OF MIAMI BEACH
PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER: CITY OF MIAMI BEACH

ROTUNDA
TRANSLUCENT WALL PANEL SYSTEM
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No. **A2.2**

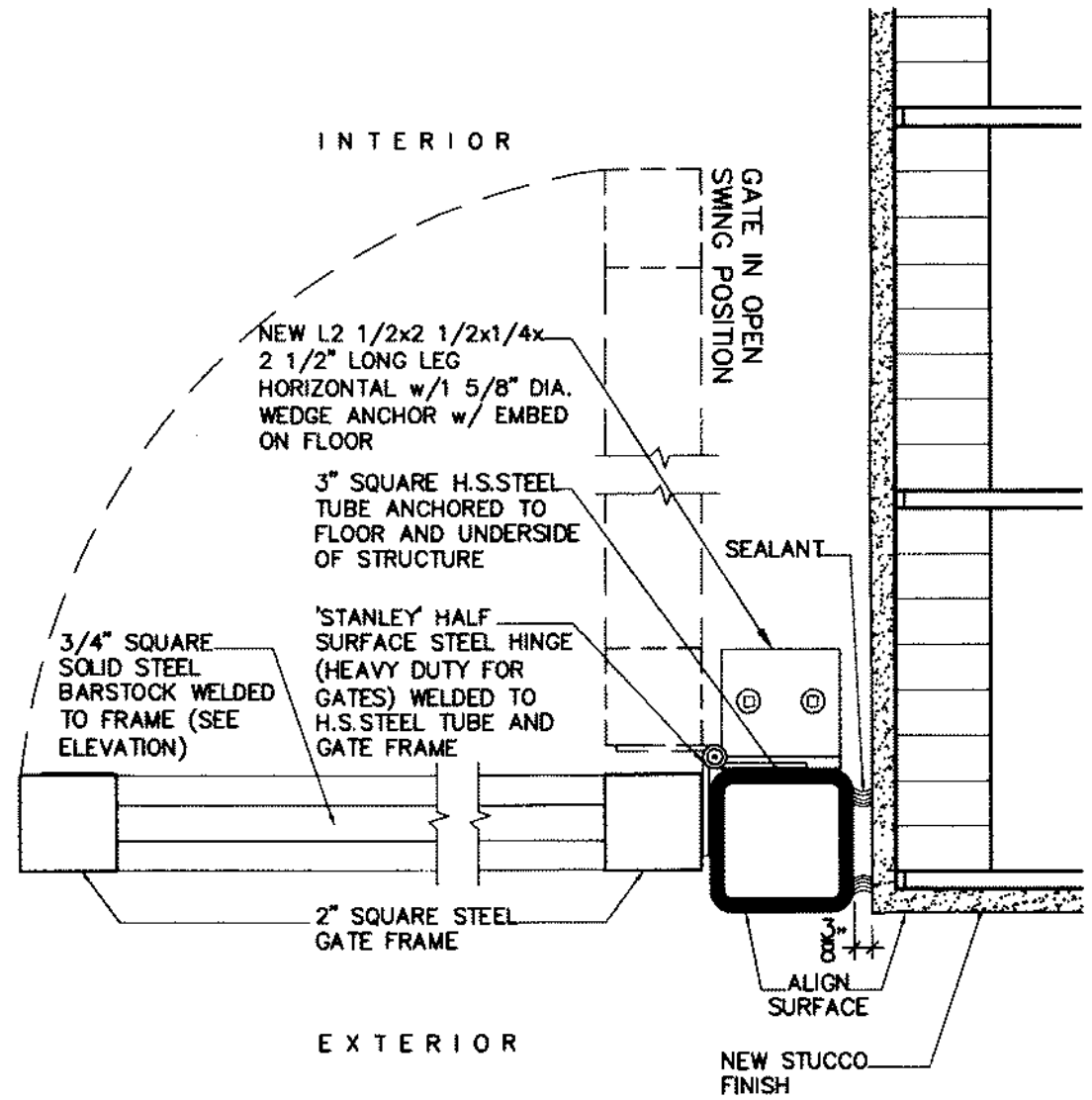
DOOR SCHEDULE											
DESIGNATION		DOOR			FRAME				REMARKS		
DOOR TAG	ROOM NAME / DESCRIPTION	DOOR ELEVATION TYPE	SIZE		MATERIAL	MATERIAL	DETAILS		HARDWARE GROUP NO.	EXTERIOR PRODUCT APPROVED (LARGE LABEL IMPACT ONLY)	
			DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	HOLLOW METAL STEEL	STEEL	JAMB			
01	INTERIOR PASSAGEWAY	A	3'-0"	7'-0"	1 3/4"	●	-	●	EXISTING	-	D1
02	MAIN ENTRY DOORS	B	6'-0"	7'-0"	1 3/4"	●	-	●	A	A	02
03	ENTRY GATE	DWG. 4/A2.3	8'-0"	8'-0"	-	-	●	-	-	-	-
04	ENTRY DOOR	L	3'-0"	7'-0"	1 3/4"	●	-	●	B	A	03
05	INTERIOR PASSAGEWAY	A	3'-0"	7'-0"	1 3/4"	●	-	●	EXISTING	-	01

NOTE:

- STEEL TUBE GATE FRAME TO BE FINISHED AS FOLLOWS:
- A. SURFACE PREPARATION: BLAST CLEANING.
- B. PRIMER: ZINC-RICH TYPE 1C INORGANIC CONFORMING TO SSPC PAINT SPECS. NO. 2D.
- C. INTERMEDIATE COAT: HIGH BUILD EPOXY APPLIED IN CONFORMANCE WITH SSPC-SP-22.
- D. FINISH COAT: ALIPHATIC URETHANE TWO PACKAGE IN ACCORDANCE WITH SSPC-PS-PS, GUIDE 17.DD.
- E. COLOR: BLACK.

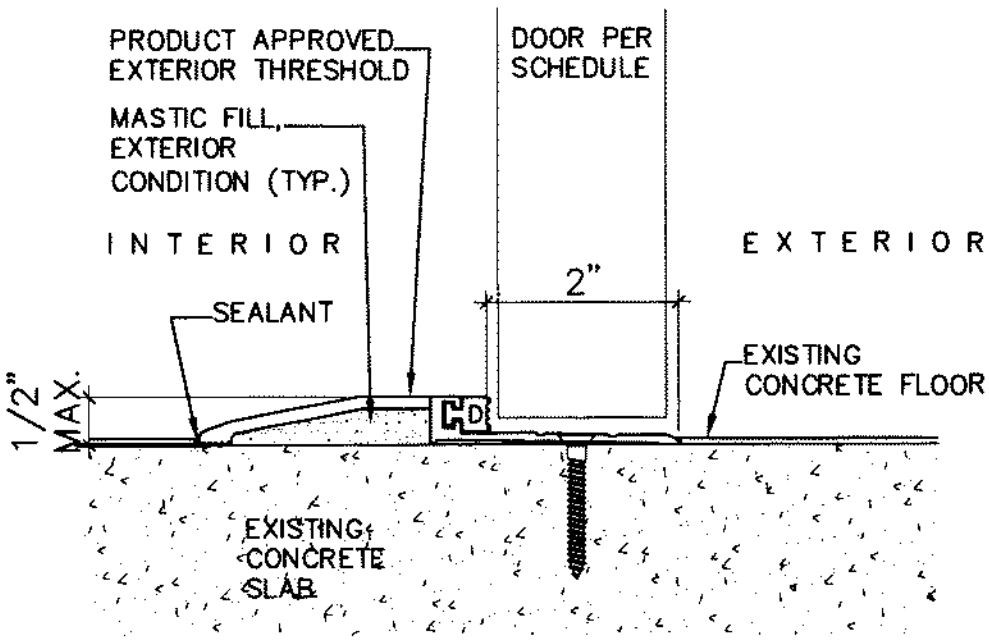
COAT ALL ALUMINUM COMING IN CONTACT W/ DISSIMILAR METALS, CONCRETE, STUCCO, ETC. W/ BITUMEN PAINT.

INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND BY DELEGATED FLORIDA REGISTER ENGINEER.



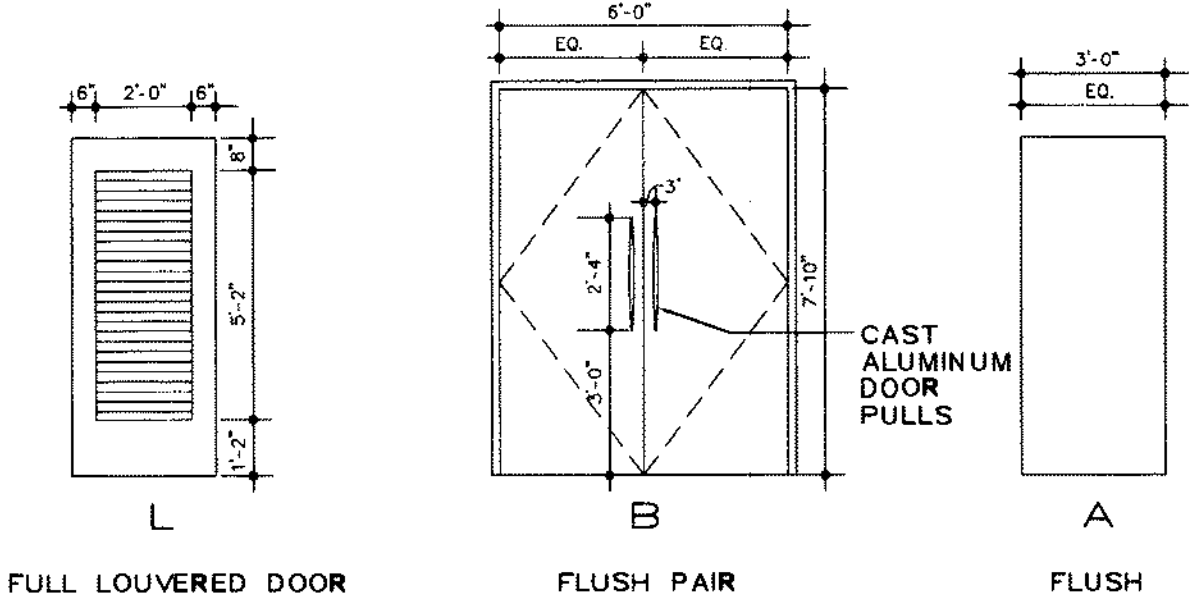
6 GATE HINGE DETAIL
A2.3 SCALE: 3" = 1'-0"

THRESHOLD TYPES:

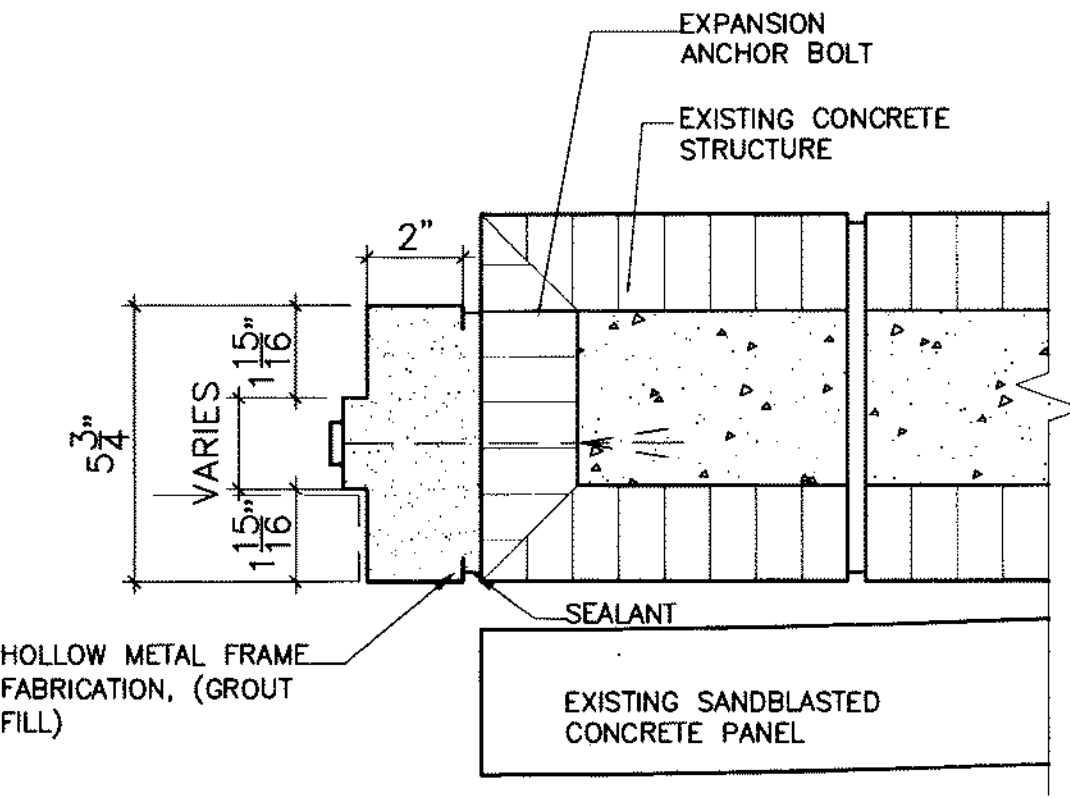


TYPE - A

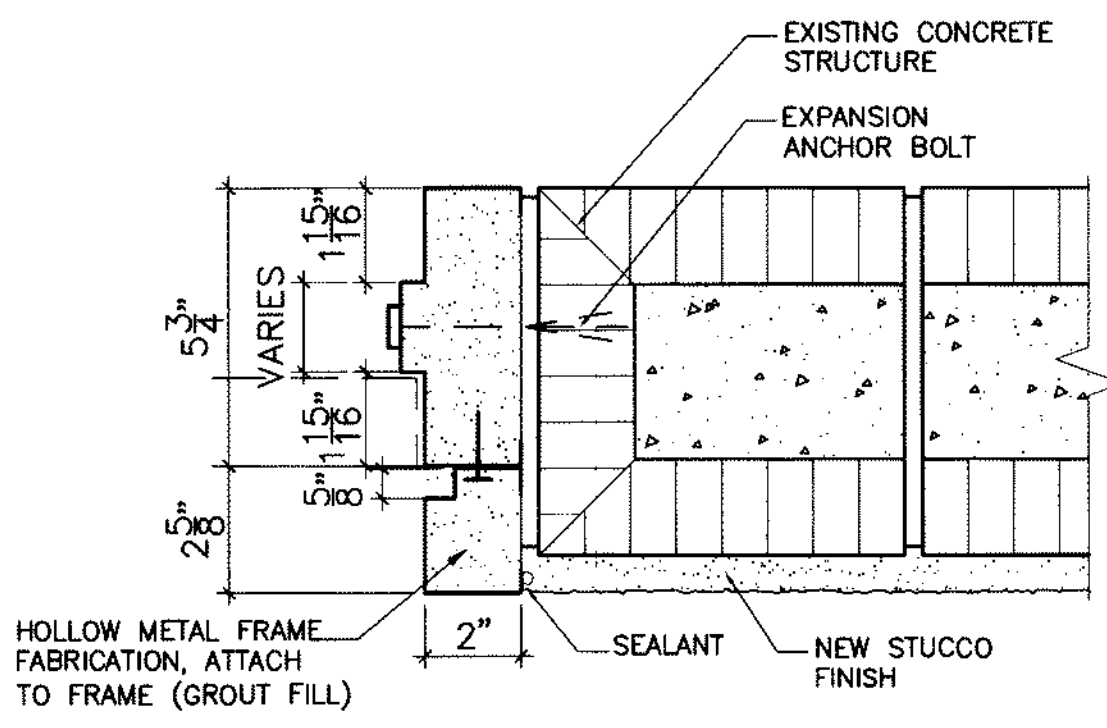
DOOR TYPES:



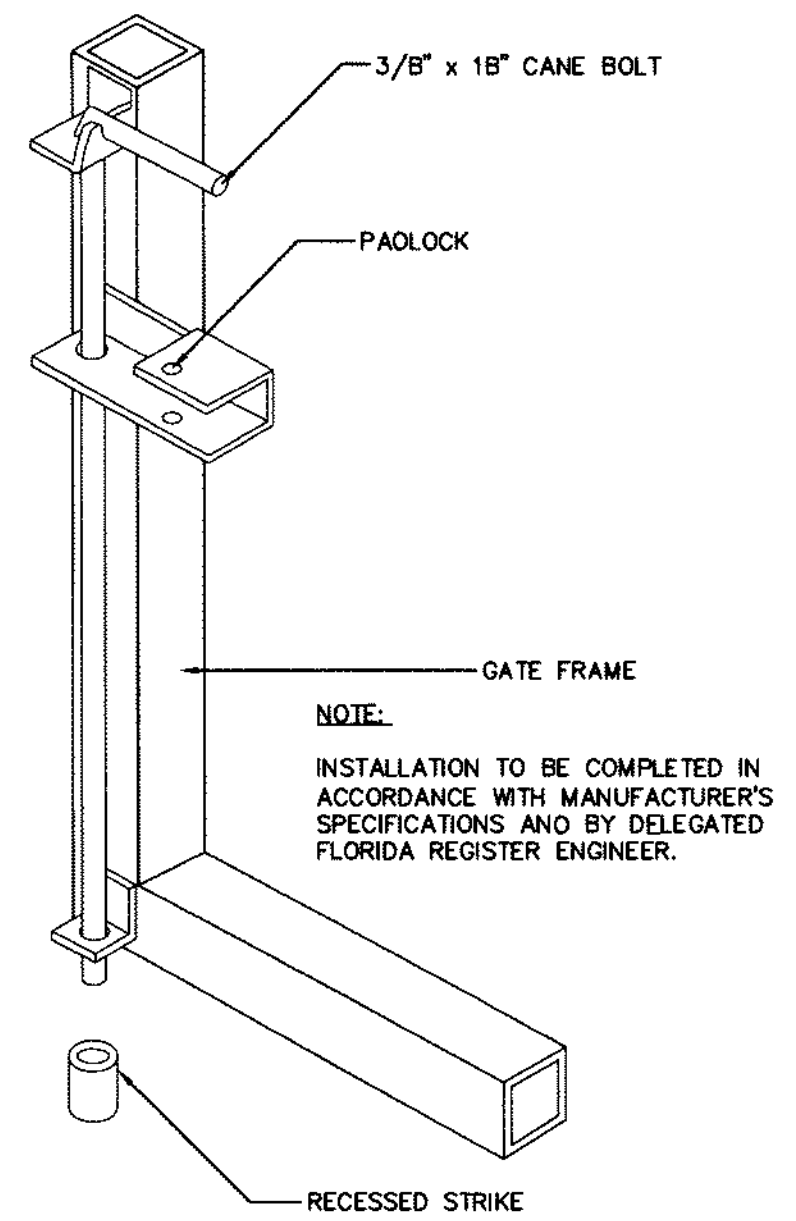
JAMB TYPES:



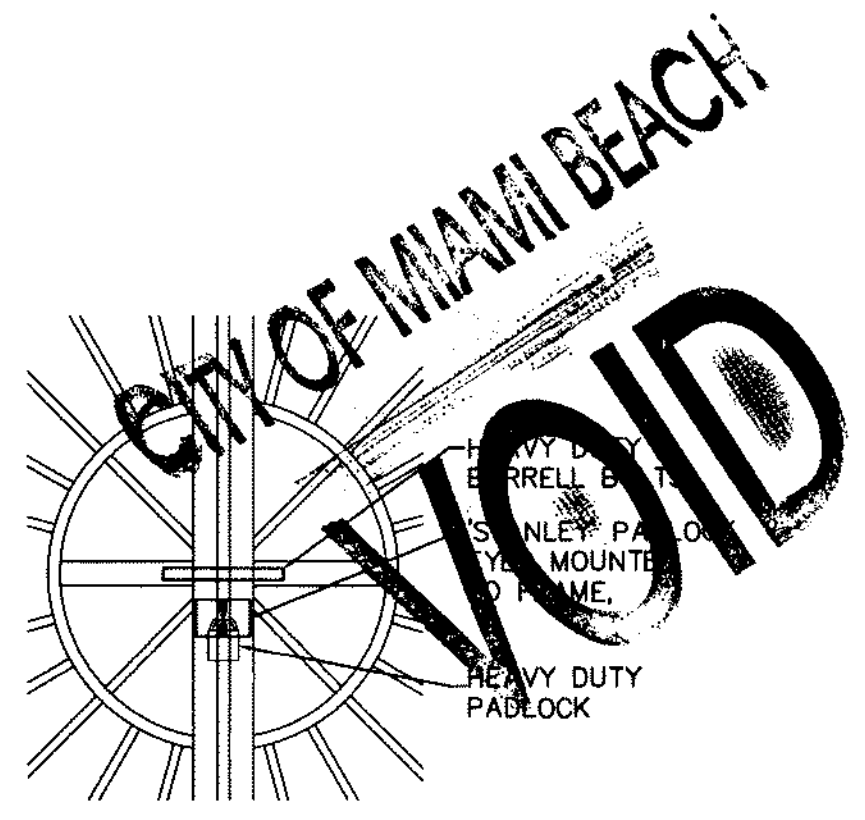
TYPE - B



TYPE - A

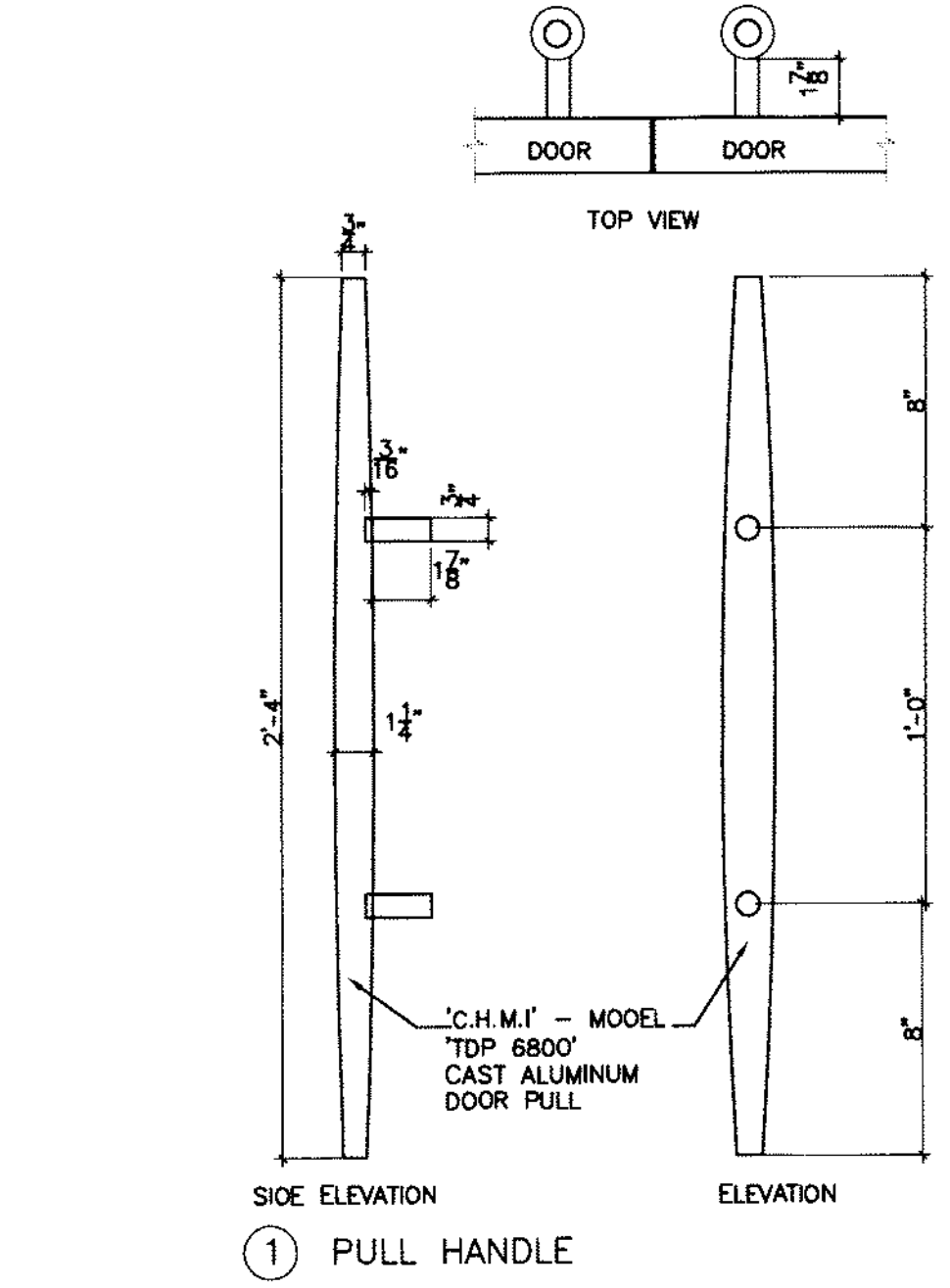


5a PADLOCKABLE CANE BOLT

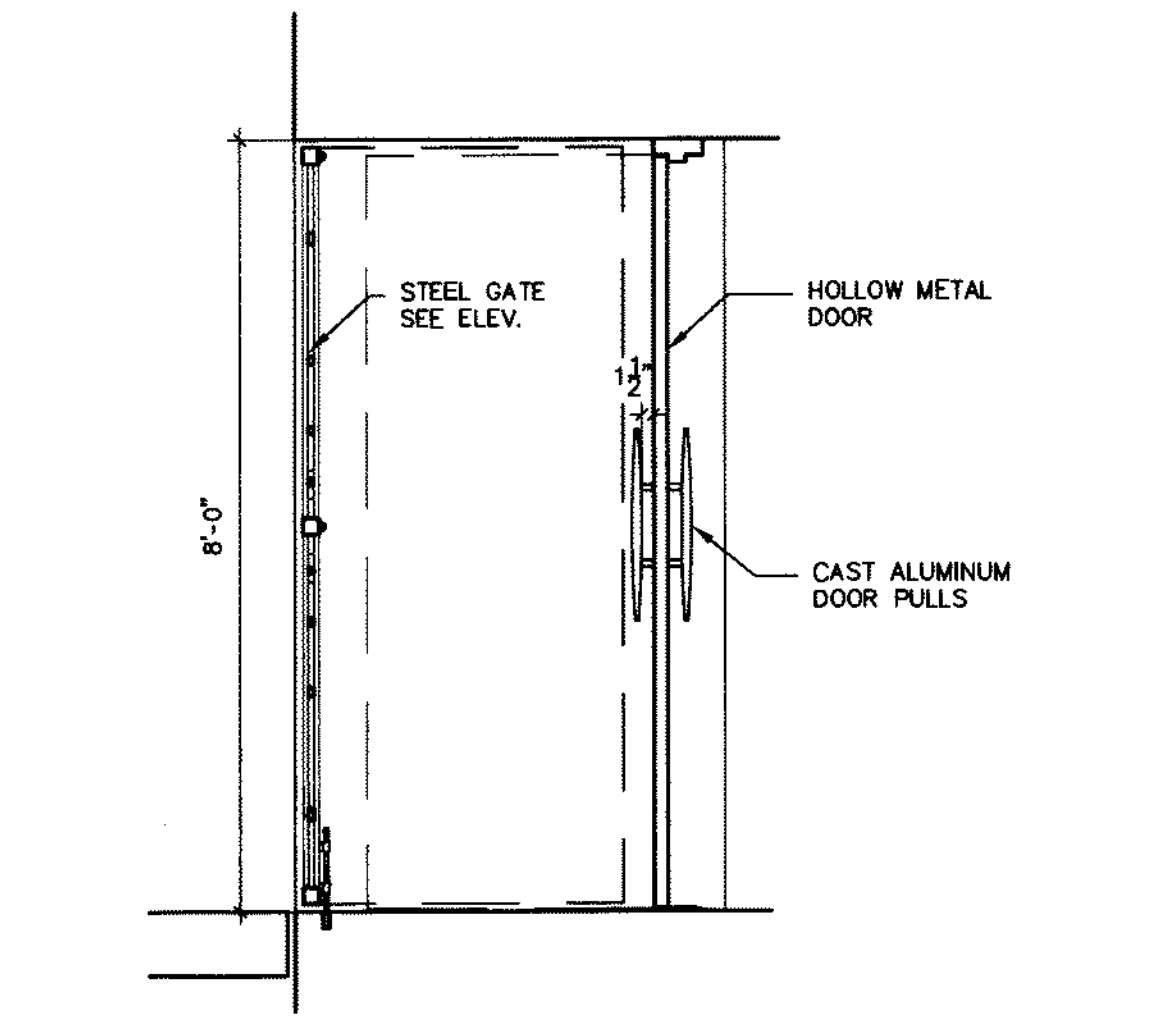


5b PADLOCK

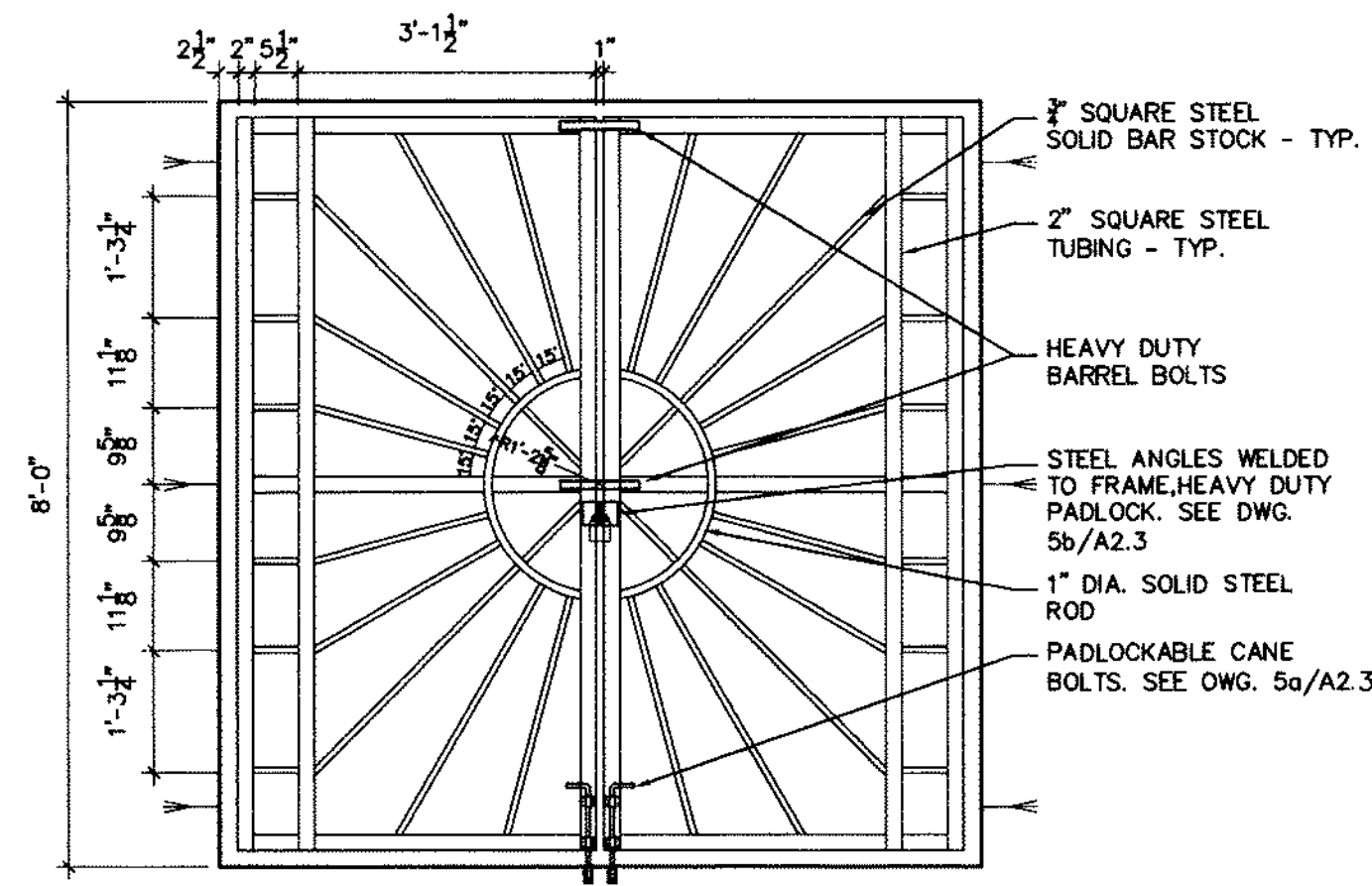
5 GATE DETAILS
A2.3 N.T.S.



3 DOOR PULL
A2.3 SCALE: 2" = 1'-0"



2 ROTUNDA GATE + DOOR SECTIONS
A2.3 SCALE: 1/2" = 1'-0"



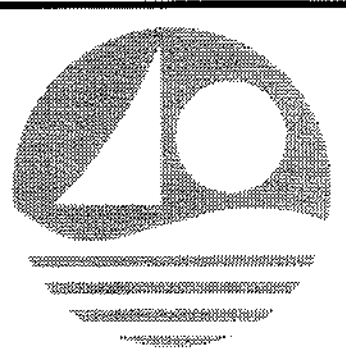
4 ORNAMENTAL GATE - ELEVATION
A2.3 SCALE: 1/2" = 1'-0"

1 NOT USED
A2.3

DRAWN BY: WPB/QPB/KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

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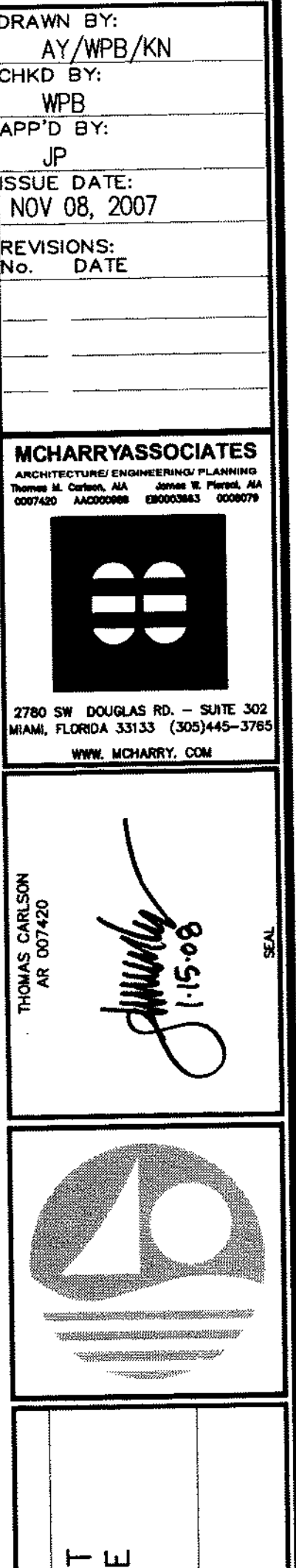
THOMAS CARSON
AR 007420
1-15-08



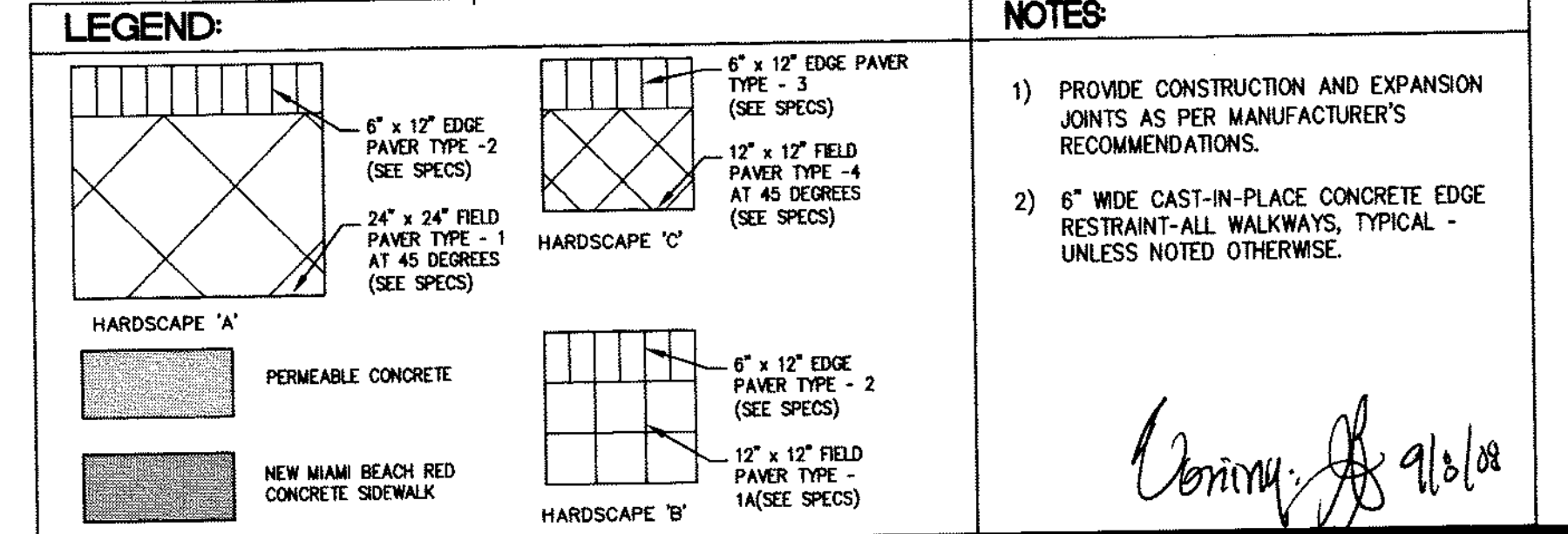
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
ROTUNDA
GATE, DOOR SCHEDULE - DETAILS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A2.3



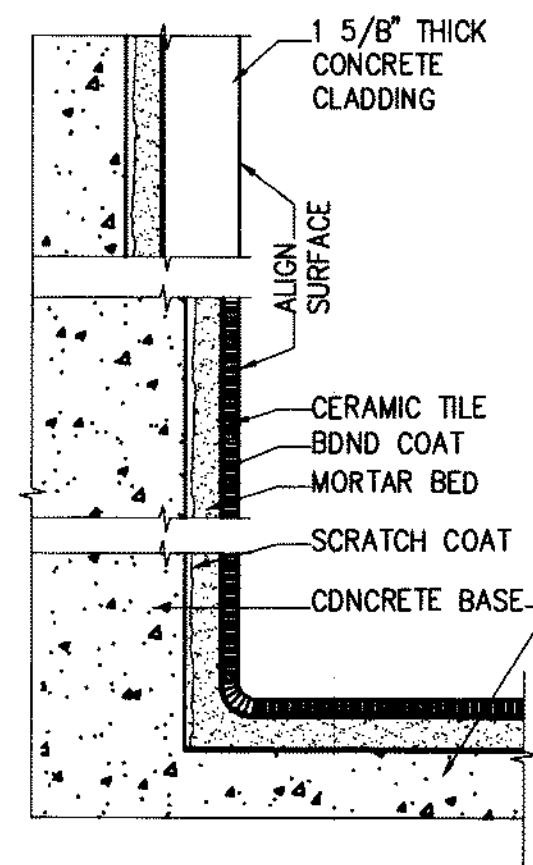
2A PAVING INTERSECTION DETAIL
A3.0 MAIN BLVD. AT PARKING LOT SCALE: 1/8" = 1'-0"



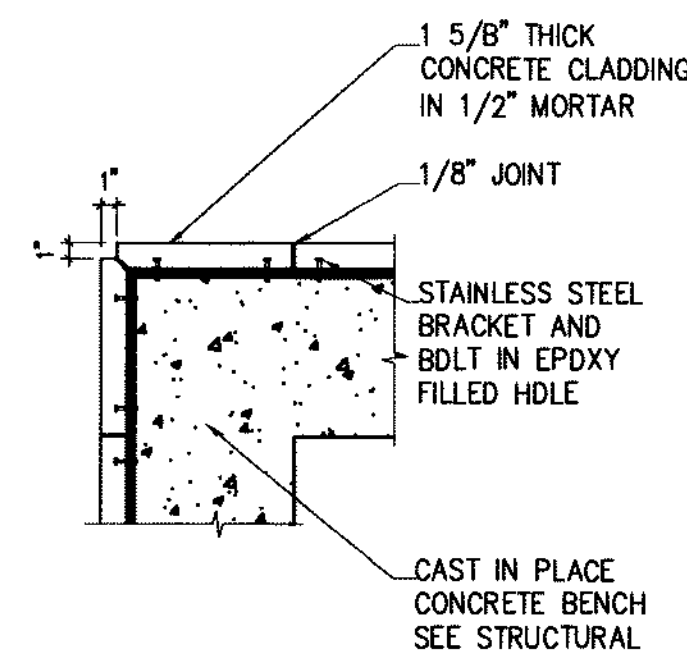
3 **PAVING DETAIL AT FOUNTAIN**
A3.0 **LIBERTY AVENUE ENTRANCE** SCALE: 1/4" = 1'-0"

 PLAN NORTH	DRAWING TITLE WALKWAY PAVING DETAILS	PROJECT TITLE: COLLINS PARK CULTURAL CAMPU COLLINS PARK / ROTUNDA / MIAMI BEACH, FLORIDA OWNER: CITY OF MIAMI BEACH
SCALE: AS NOTED NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK		
SHEET No. A3.0		

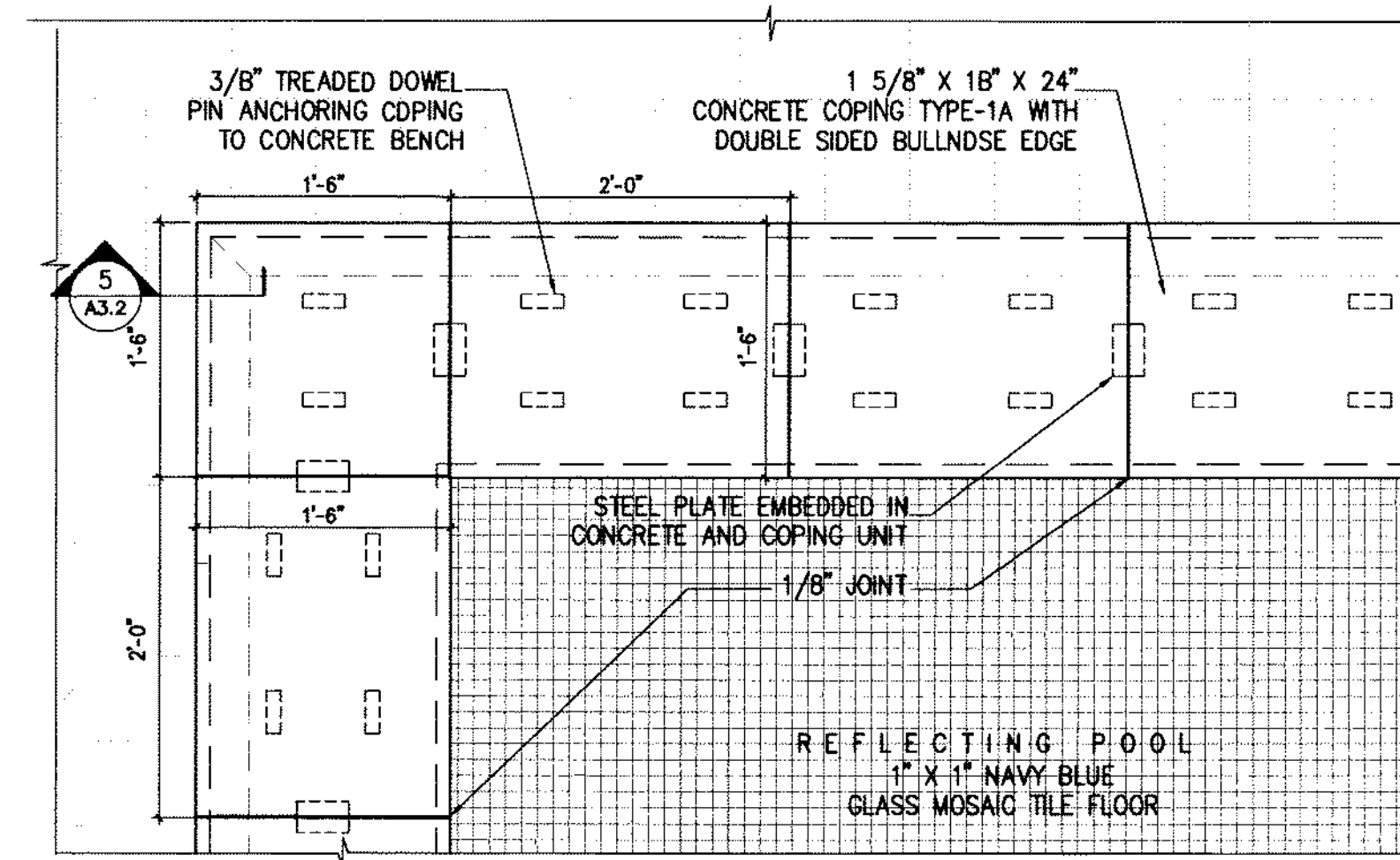
DRAWING TITLE	WALKWAY DETAILS
SCALE: AS NOTED	
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK	
PROJECT TITLE:	COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA
OWNER:	CITY OF MIAMI BEACH
DRAWN BY: KN	
CHKD BY: WPB	
APP'D BY: JP	
ISSUE DATE: NOV 08, 2007	
REVISIONS: No. DATE	
MCHARRYASSOCIATES ARCHITECTS • PLANNERS • ENGINEERS • LANDSCAPERS Thomas S. Carlsone, AIA James W. Flannery, AIA 6974740 430-2200 430-2200 430-2200	
	
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WWW.MCHARRY.COM	
THOMAS CARLSON AK 007420	 11-15-08
	
SEAL	



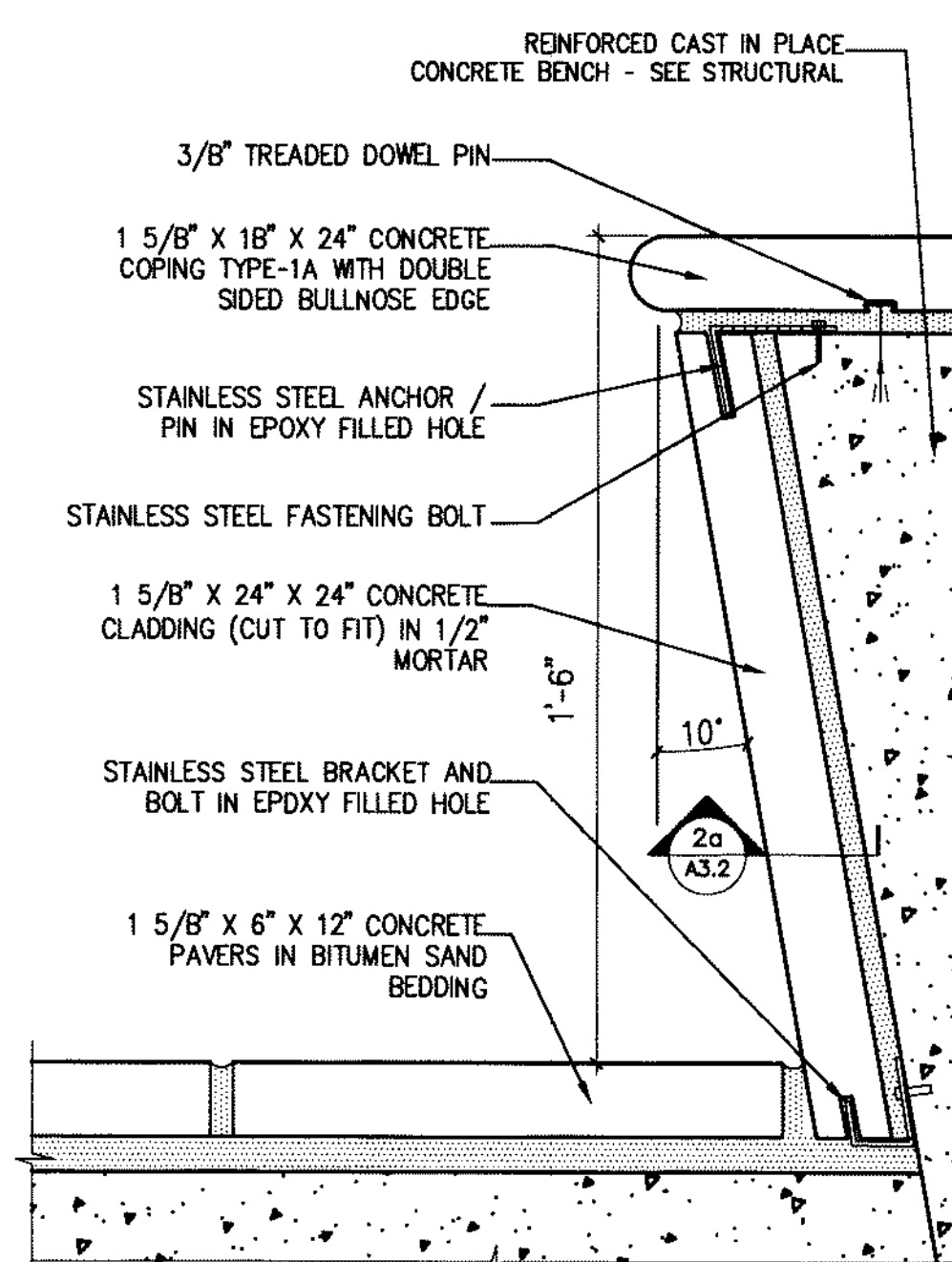
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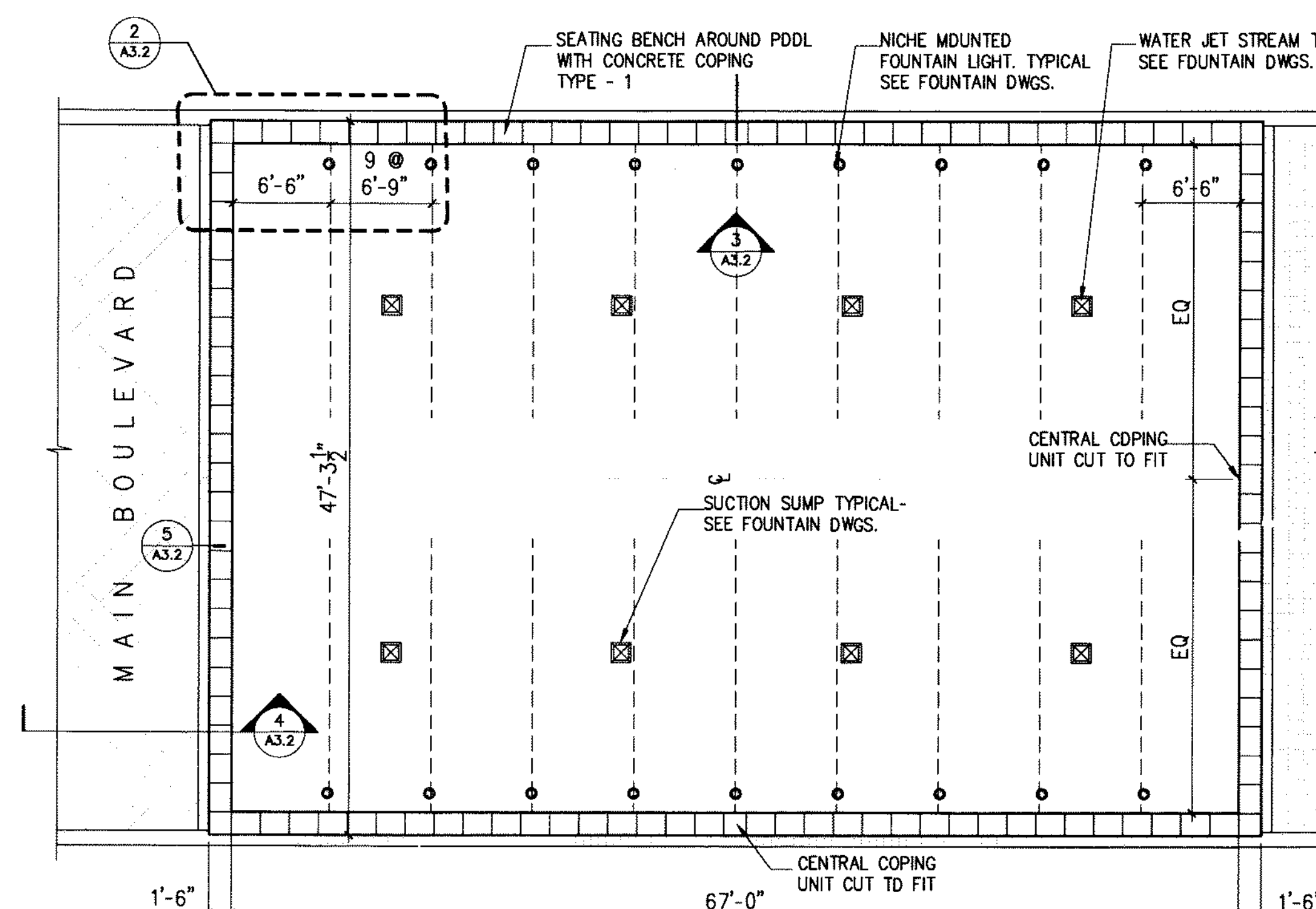
2A CORNER DETAIL • BASE
NOT TO SCALE



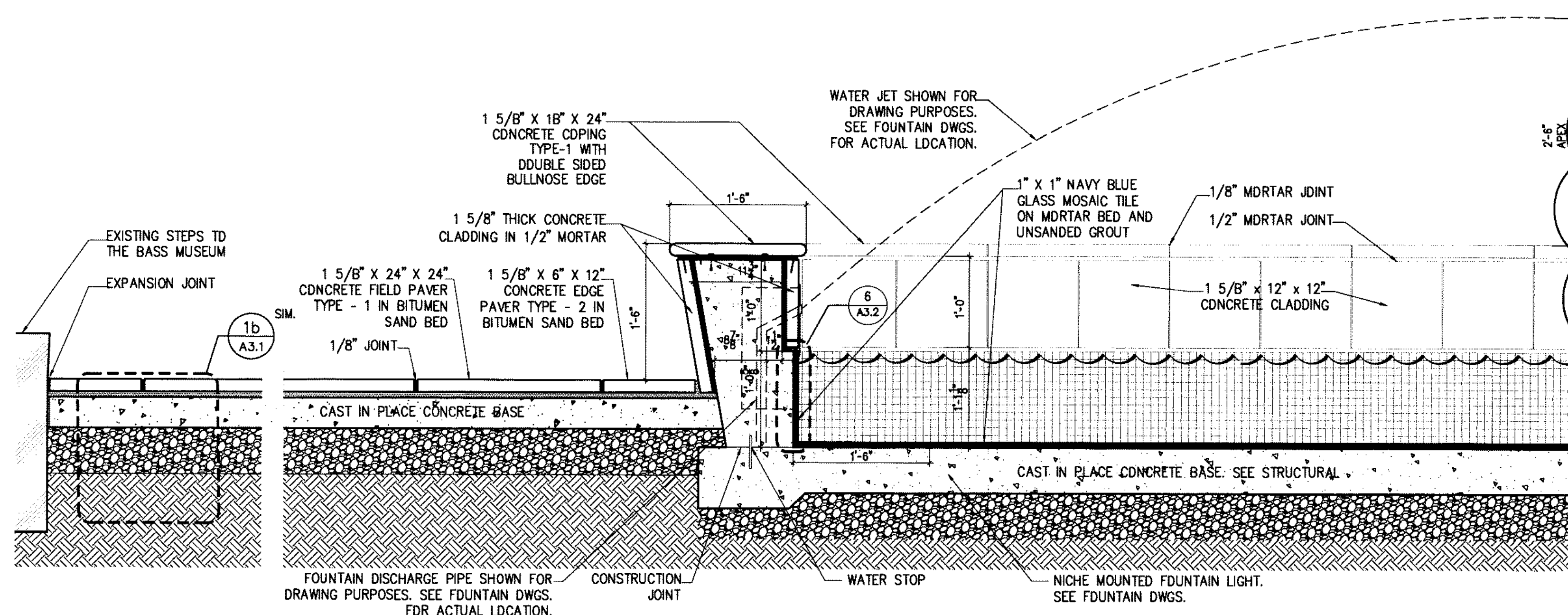
2 ENLARGED PLAN • REFLECTING POOL CORNER
SCALE: 1" = 1'-0"



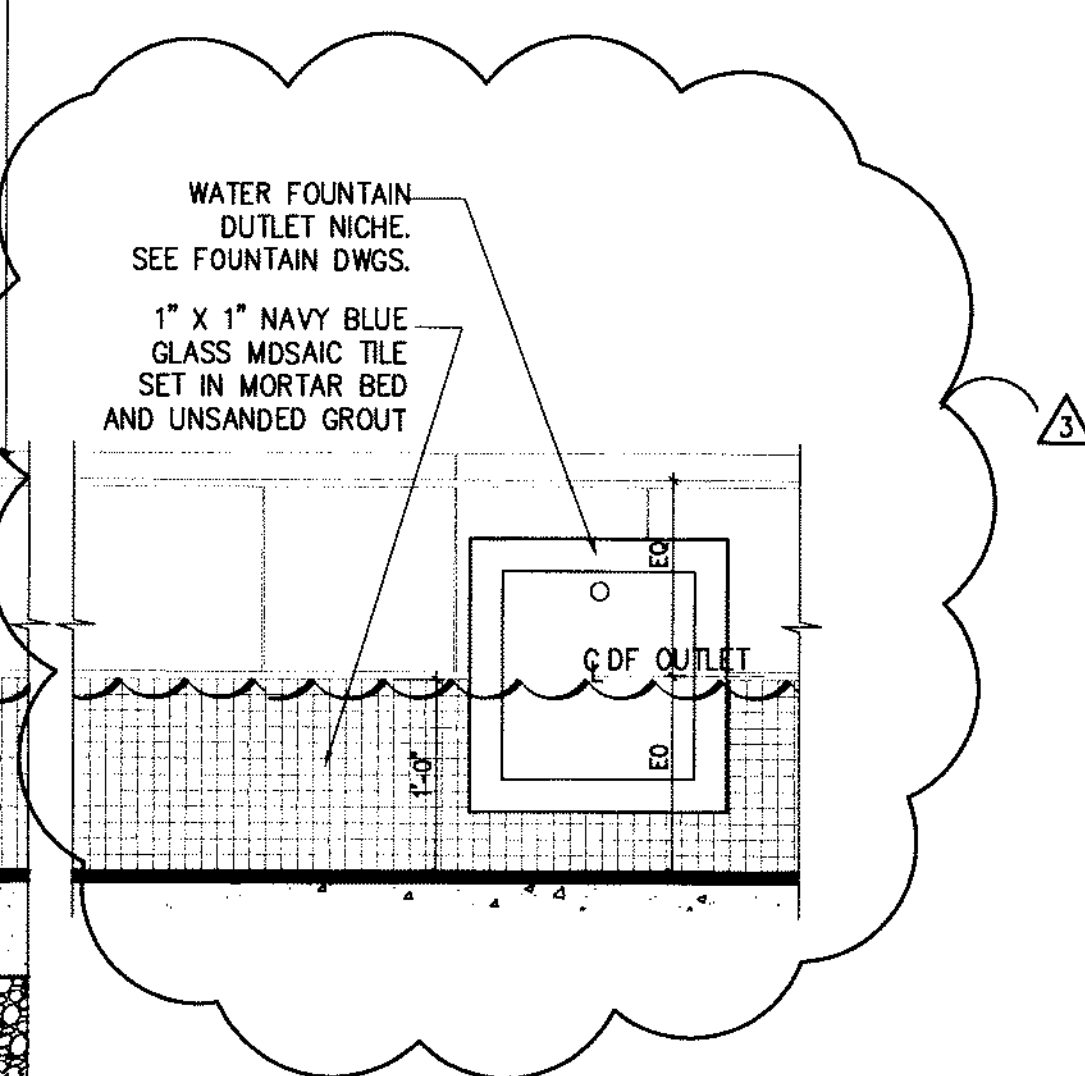
5 CLADDING / COPING DETAIL - CONCRETE BENCH
SCALE: 3" = 1'-0"



1 REFLECTING POOL PLAN
SCALE: 1/8" = 1'-0"



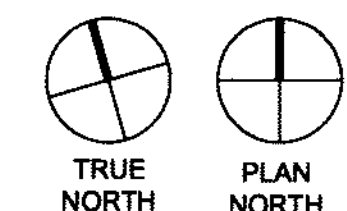
4 SECTION • REFLECTING POOL WALL
SCALE: 1" = 1'-0"



3 ELEVATION WATER FOUNTAIN OUTLET NICHE
SCALE 1" = 1'-0"

- GENERAL NOTES :**
- 1) PROVIDE 6" WIDE CAST IN PLACE CONCRETE EDGE RESTRAINTS FOR ALL PAVING - TYPICAL UNLESS OTHERWISE NOTED. SEE CIVIL FOR MORE INFORMATION.
 - 2) PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS PER MANUFACTURER'S RECOMMENDATIONS, FOR ALL PAVING, EDGE RESTRAINTS. SEE CIVIL FOR ADDITIONAL INFORMATION.
 - 3) REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

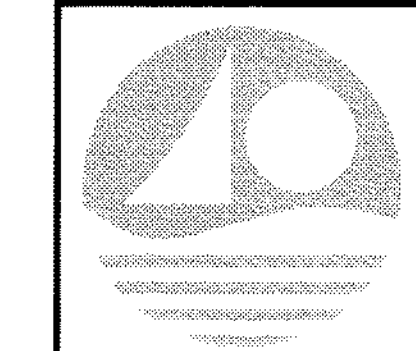
Verify 9/10



DRAWN BY: KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE
2 NOT USED
3 MAY 02, 2008 PERMIT REVISIONS

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THOMAS CARLSON
APR 06/2020
5-14-08
SEAL

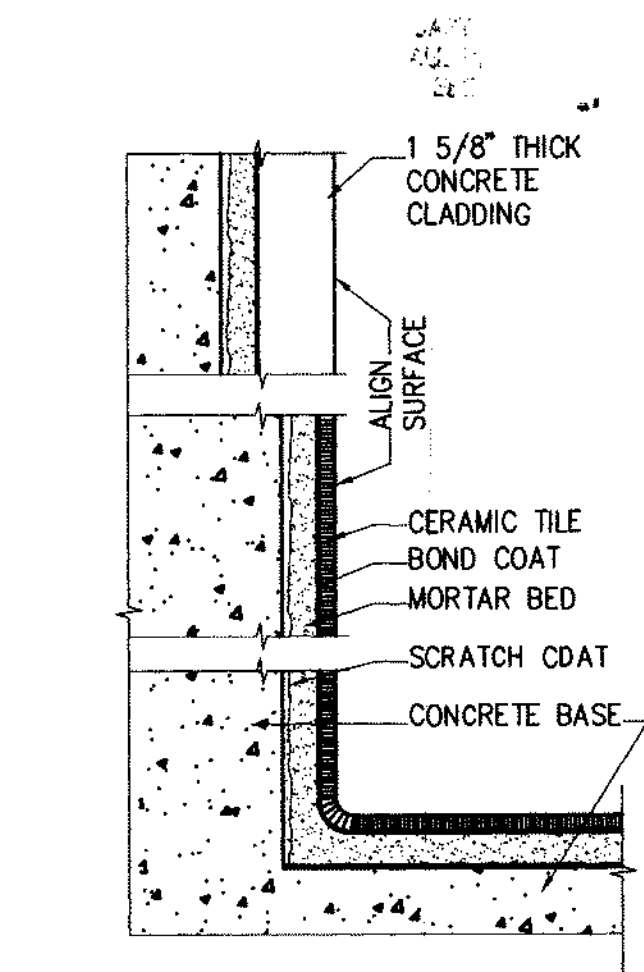


PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
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MIAMI BEACH, FLORIDA
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CITY OF MIAMI BEACH

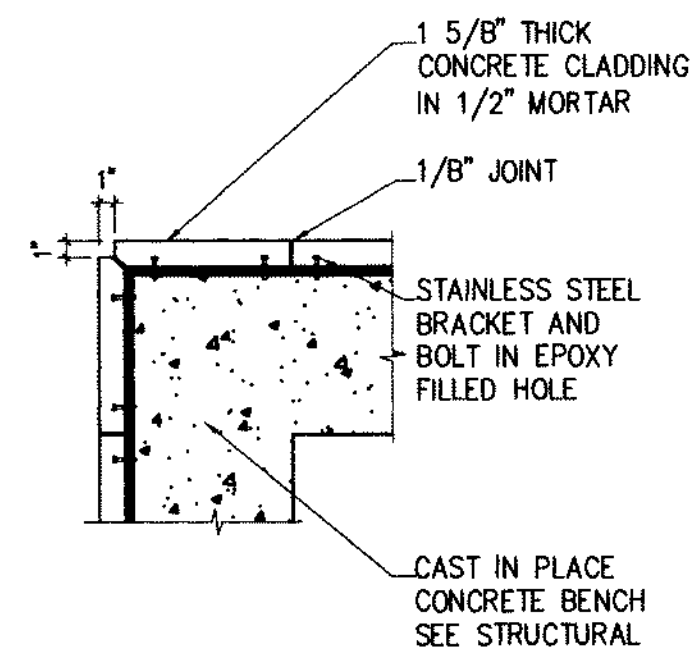
REFLECTING POOL ENLARGED PLANS + WALKWAY DETAILS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A3.2

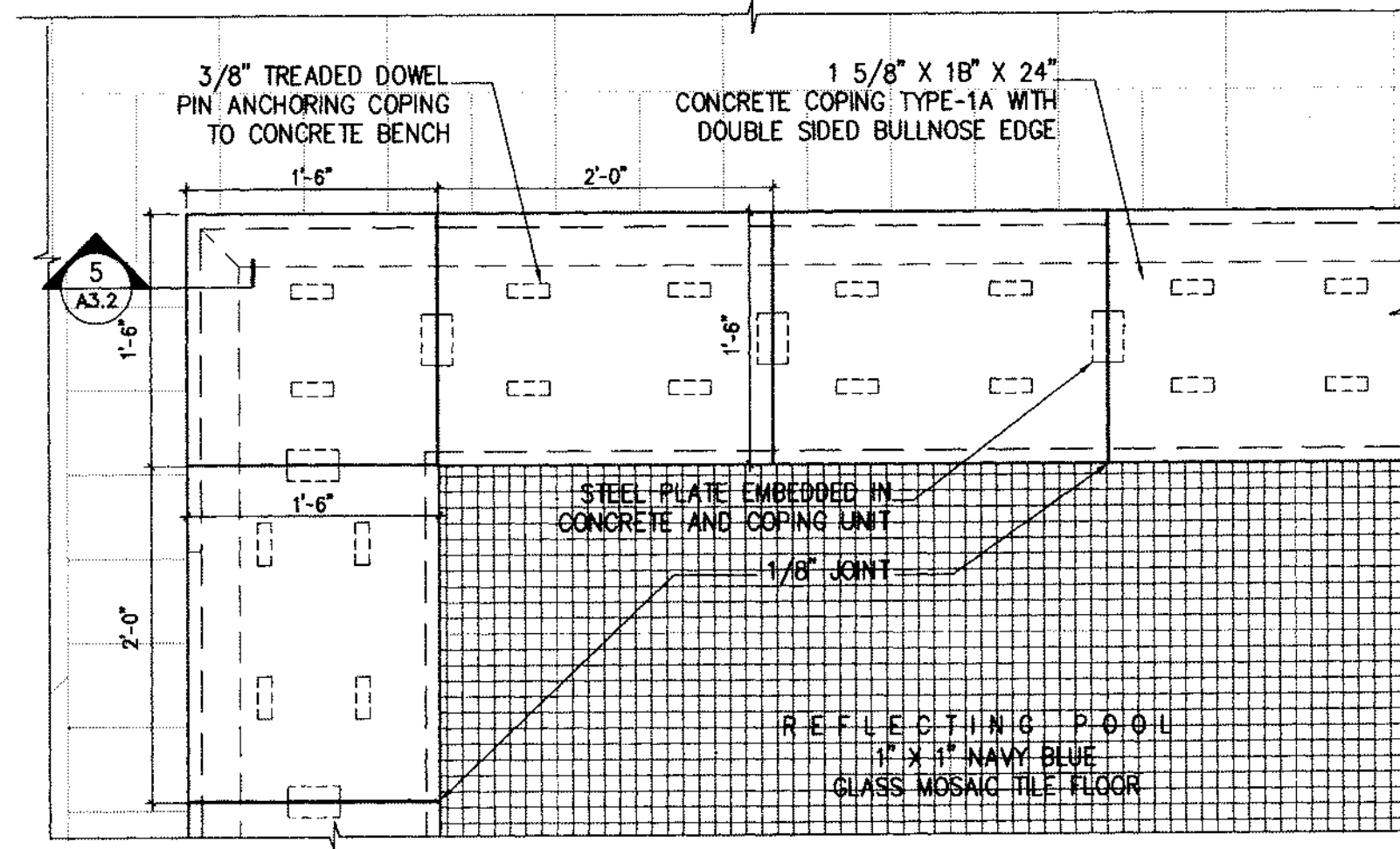
NOV 08, 2007 PERMIT SET



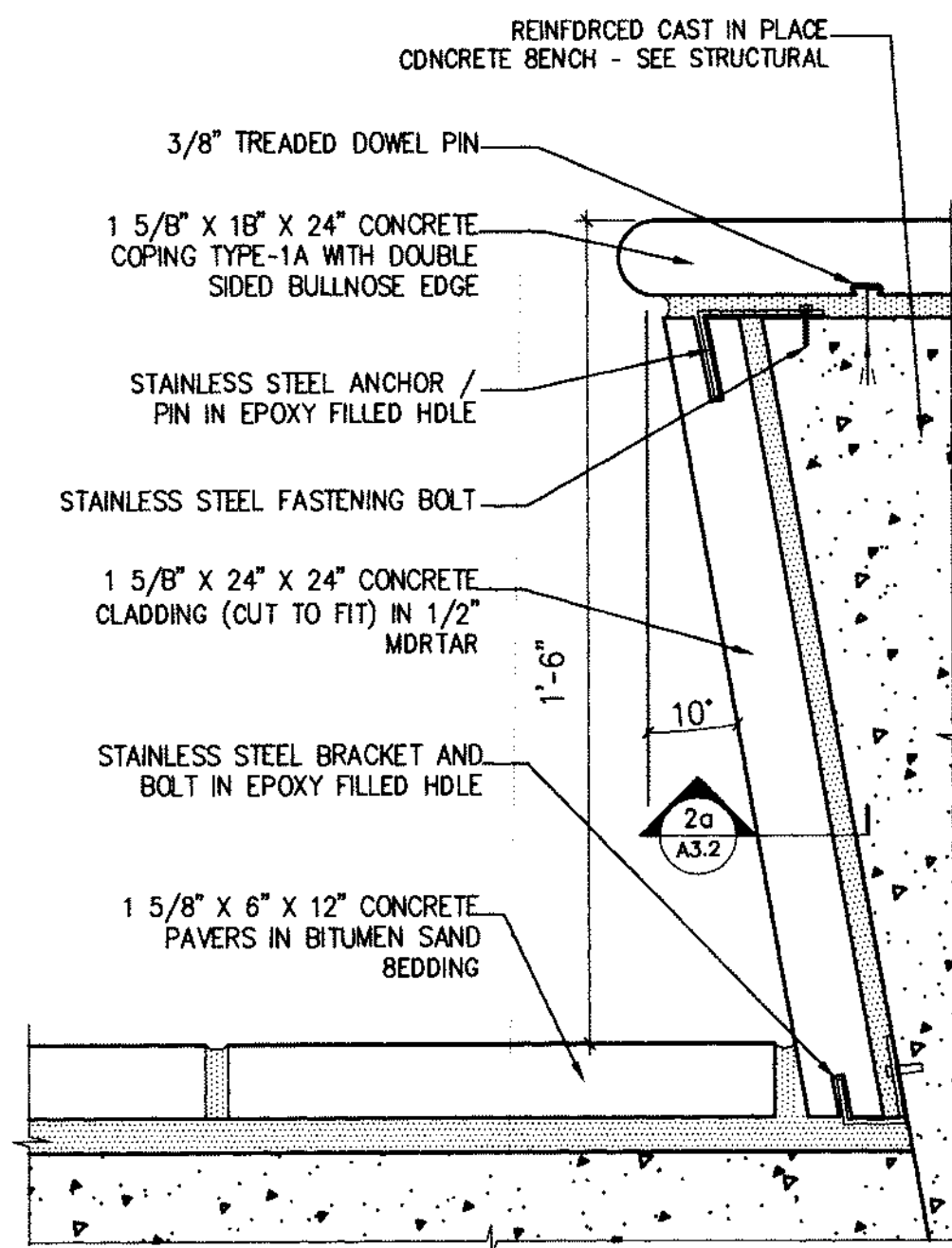
6 TILE DETAIL SECTION
NOT TO SCALE



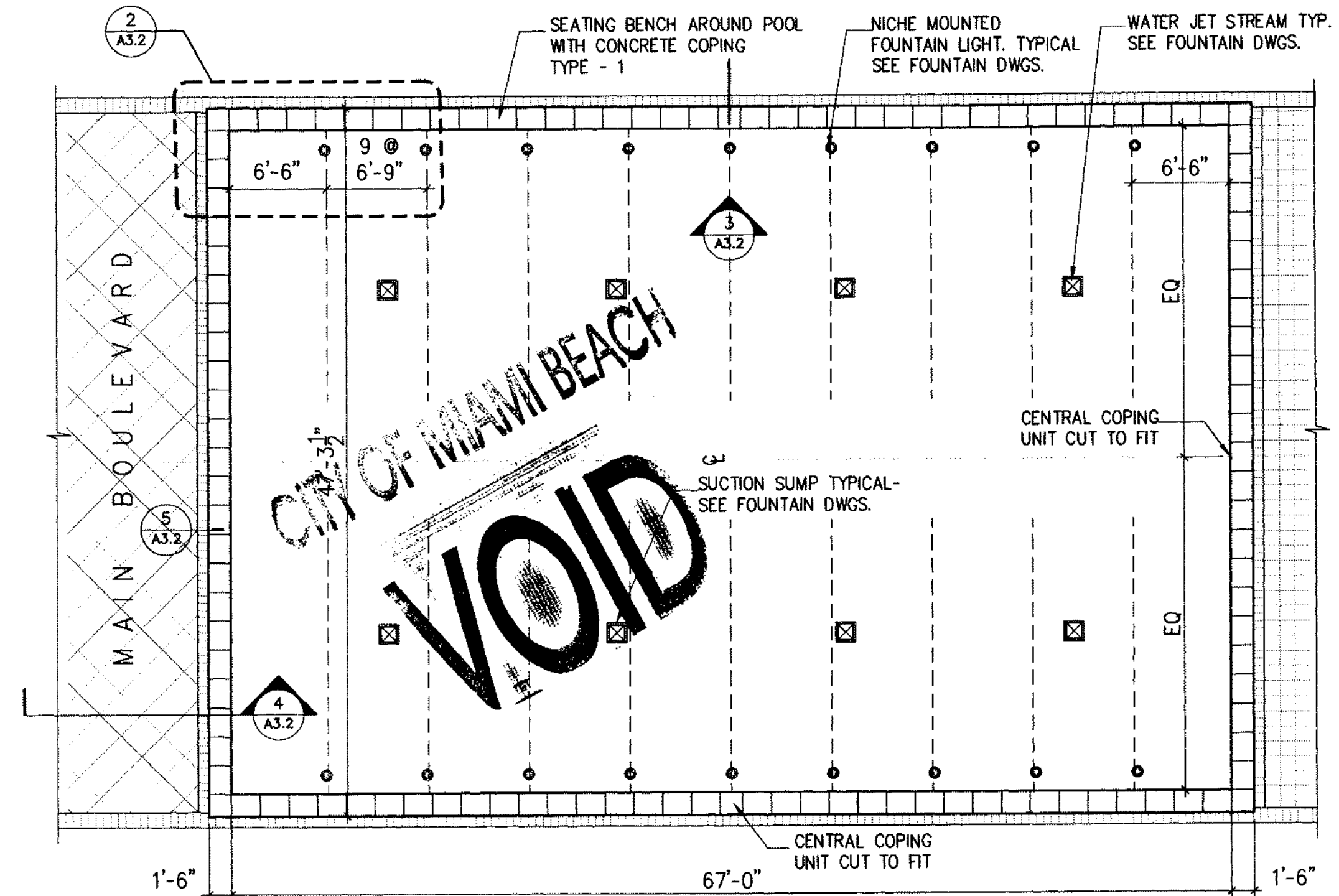
2A CORNER DETAIL • BASE
NOT TO SCALE



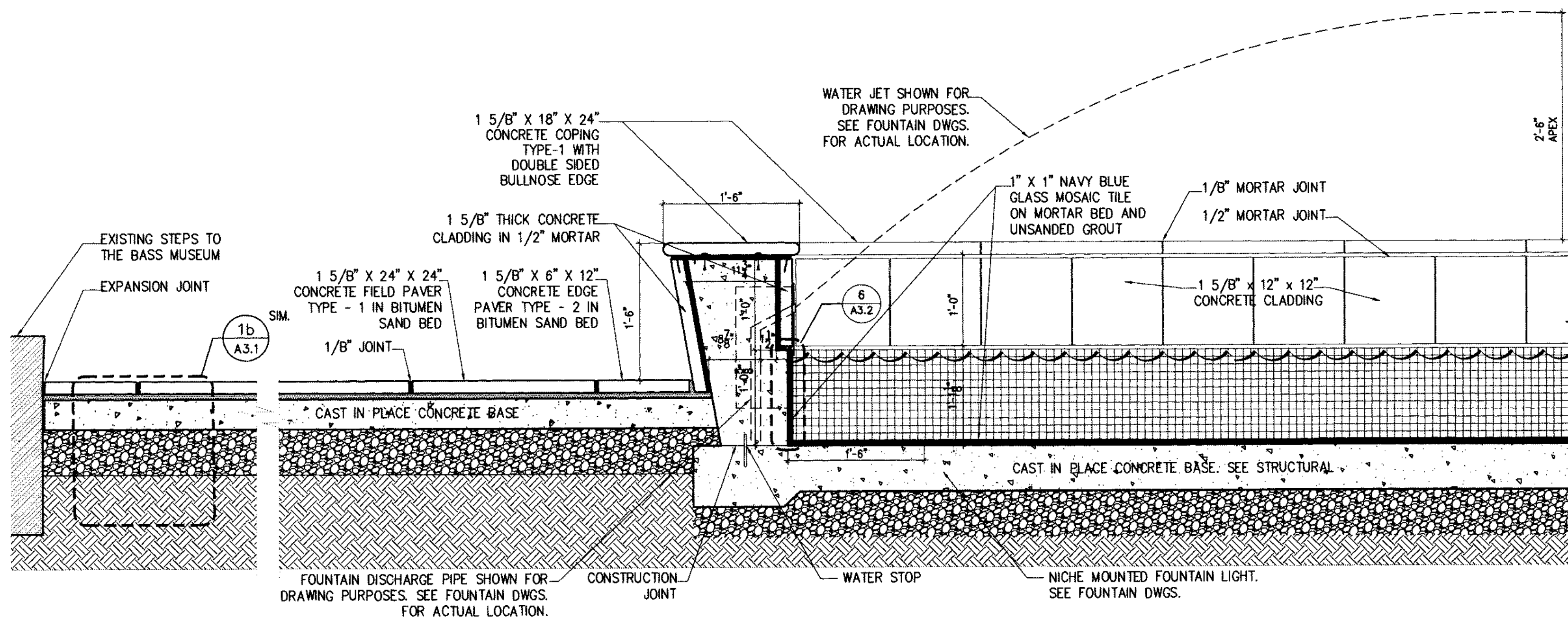
2 ENLARGED PLAN • REFLECTING POOL CORNER
SCALE: 1" = 1'-0"



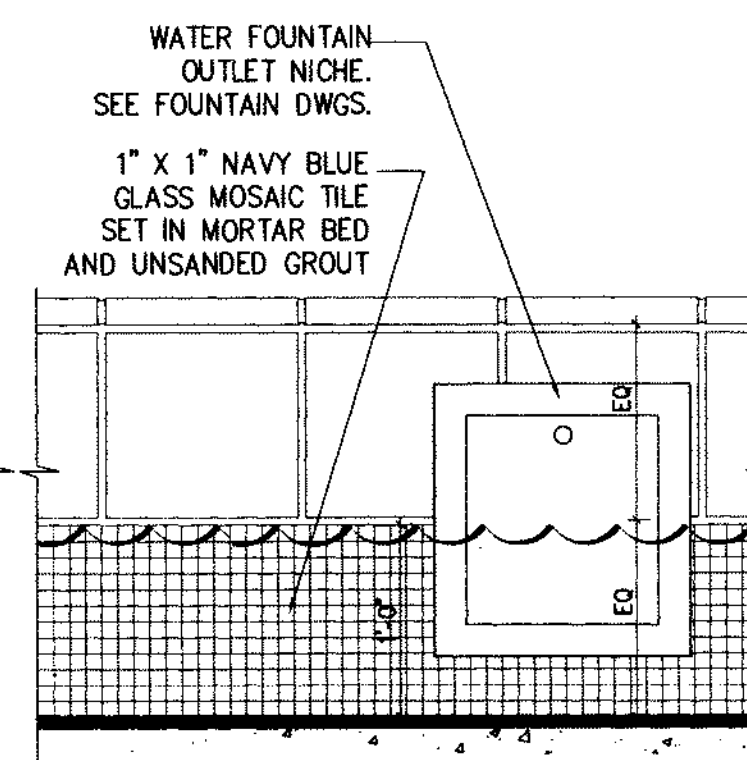
5 CLADDING / COPING DETAIL - CONCRETE BENCH
SCALE: 3" = 1'-0"



1 REFLECTING POOL PLAN
SCALE: 1/8" = 1'-0"

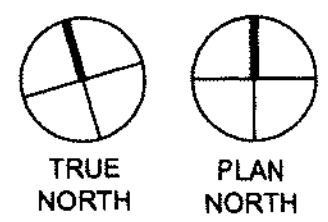


4 SECTION • REFLECTING POOL WALL
SCALE: 1" = 1'-0"



3 ELEVATION WATER FOUNTAIN OUTLET NICHE
SCALE 1" = 1'-0"

- GENERAL NOTES :**
- 1) PROVIDE 6" WIDE CAST IN PLACE CONCRETE EDGE RESTRAINTS FOR ALL PAVING - TYPICAL UNLESS OTHERWISE NOTED. SEE CIVIL FDR MORE INFORMATION.
 - 2) PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS PER MANUFACTURER'S RECOMMENDATIONS, FOR ALL PAVING, EDGE RESTRAINTS. SEE CIVIL FDR ADDITIONAL INFORMATION.
 - 3) REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



DRAWN BY: KN
CHKD BY: WFB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: NO. DATE

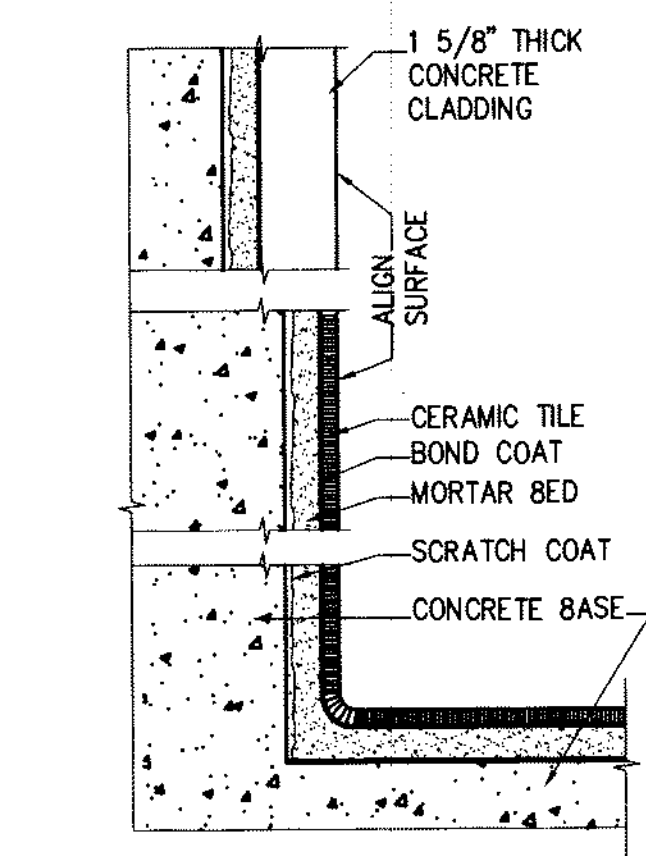
MCHARRY ASSOCIATES
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2780 SW DOUGLAS RD. - SUITE 302
MIAMI, FLORIDA 33133 (305) 445-3785
WWW.MCHARRY.COM

THOMAS CARLSON
AR 007420
1/15/08
SEA

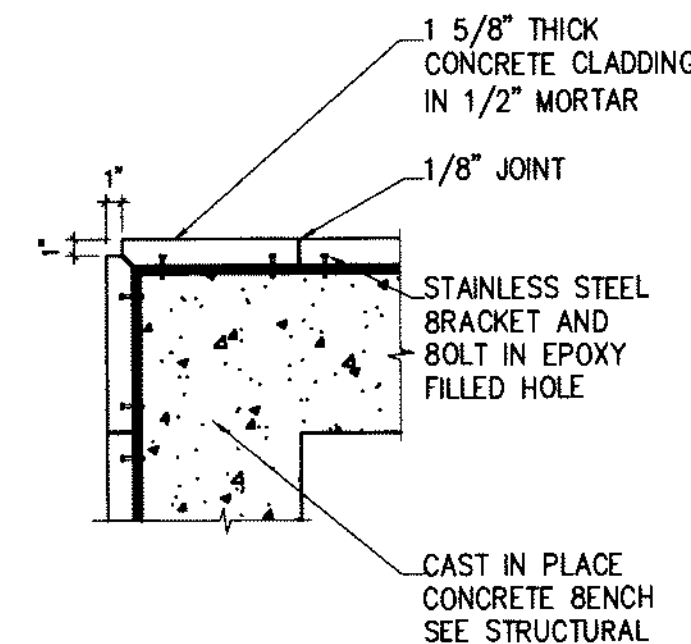
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE
**REFLECTING POOL ENLARGED
PLANS + WALKWAY DETAILS**
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

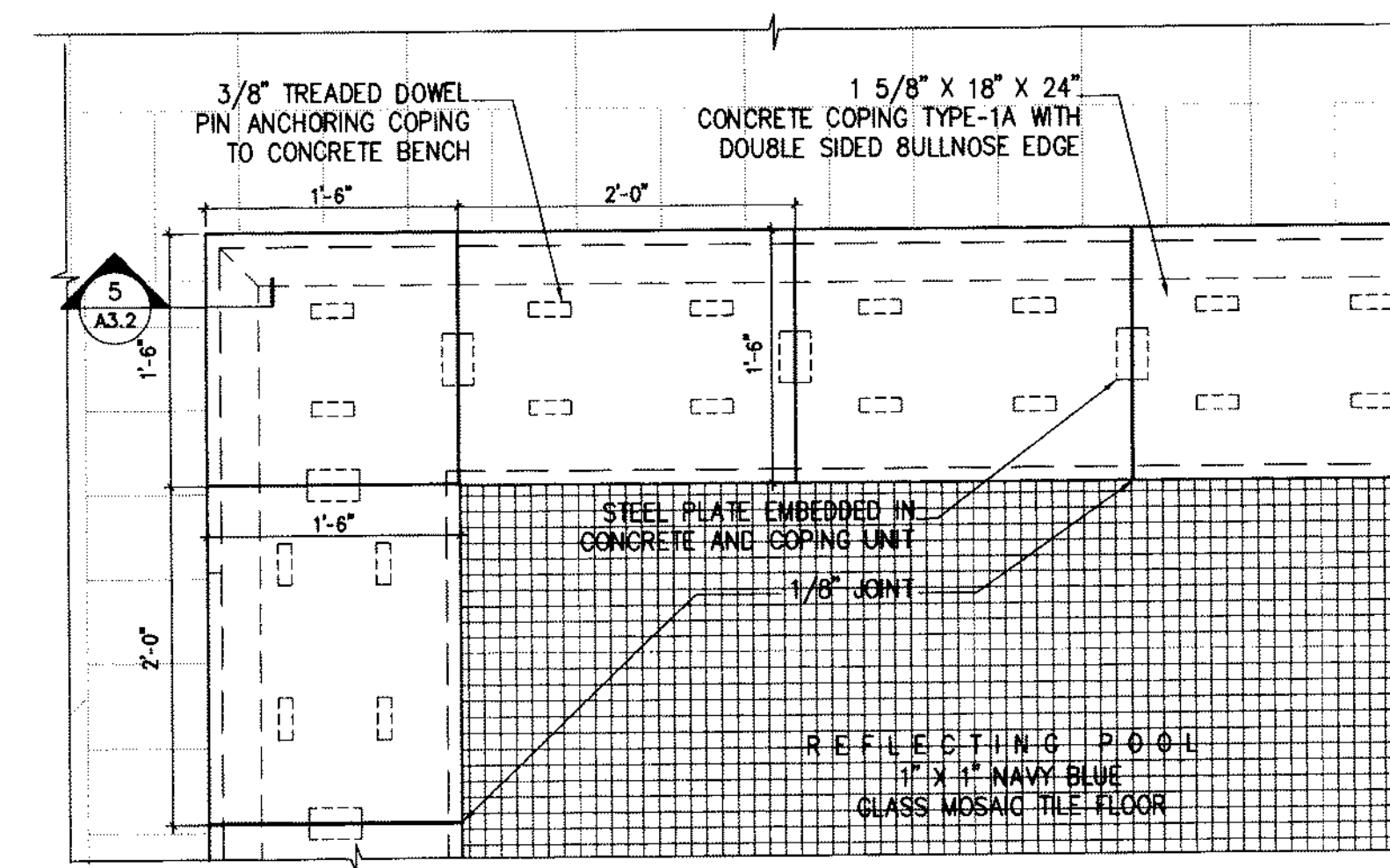
SHEET No.
A3.2



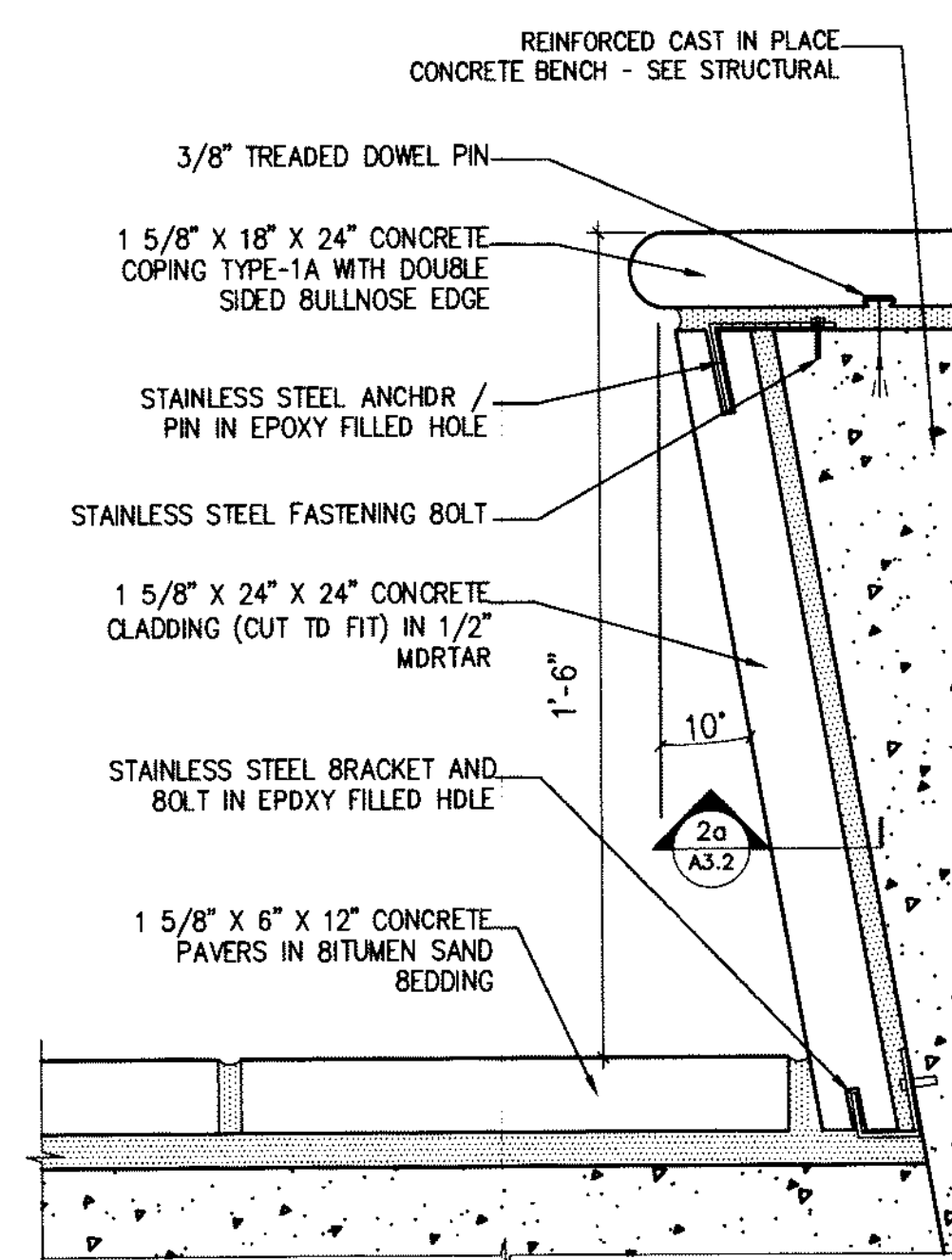
6 TILE DETAIL SECTION
NOT TO SCALE



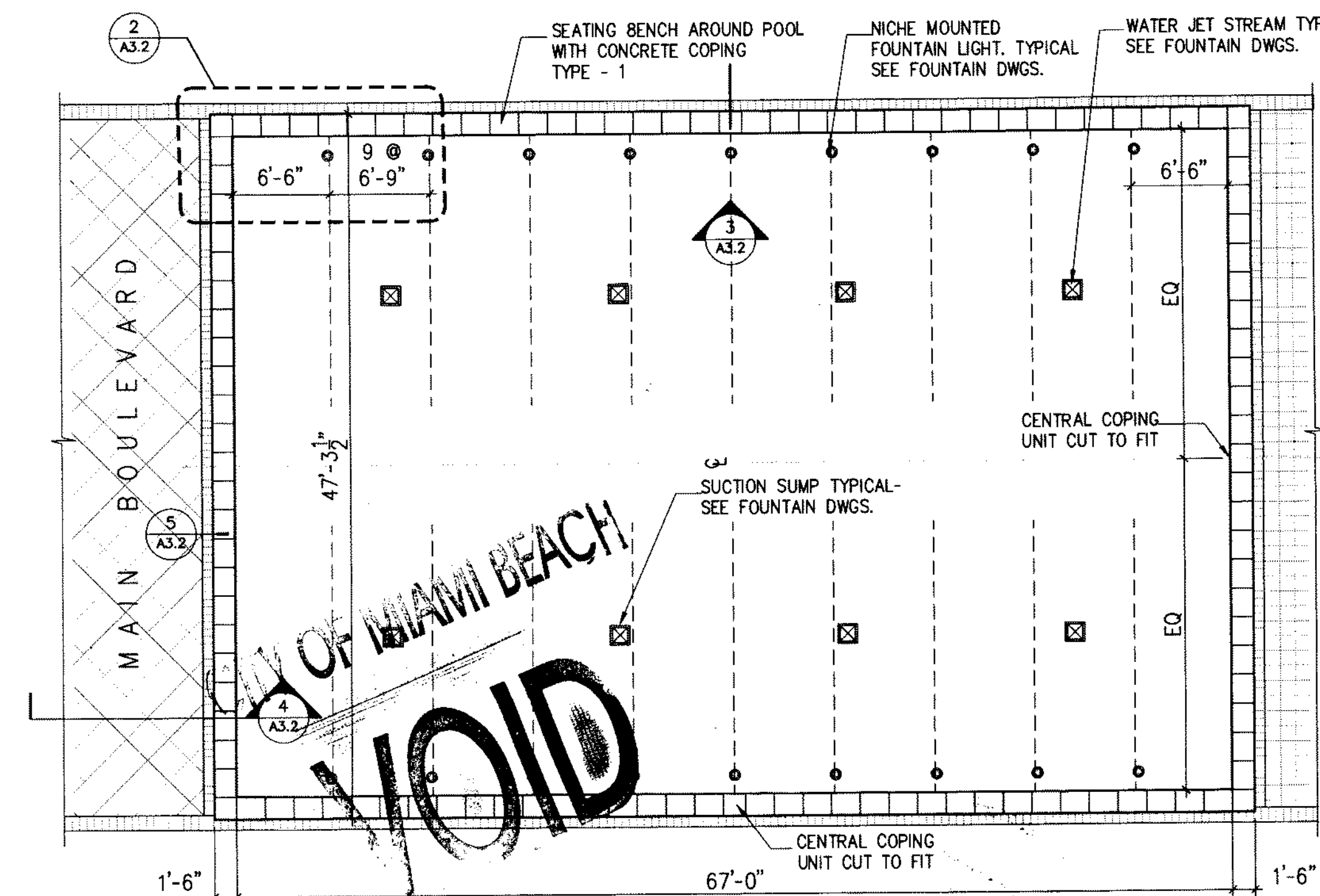
2A CORNER DETAIL • BASE
NOT TO SCALE



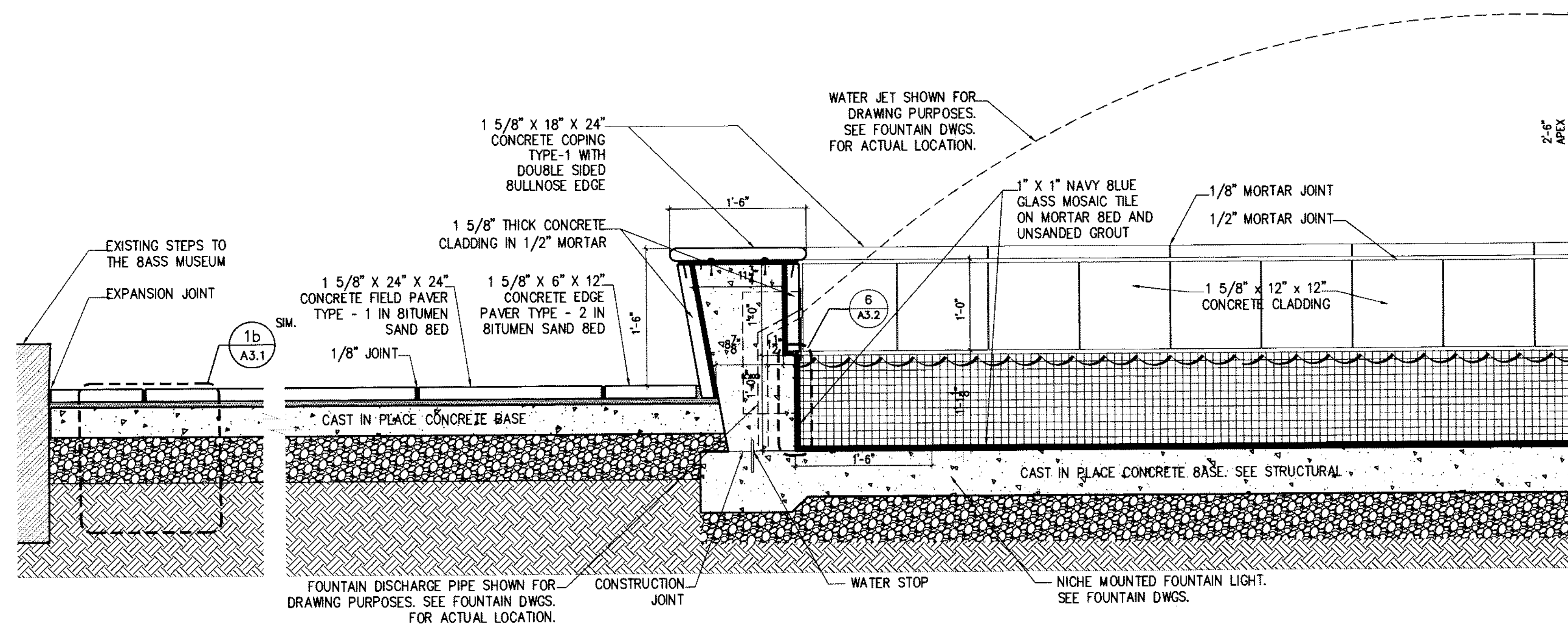
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SCALE: 1" = 1'-0"



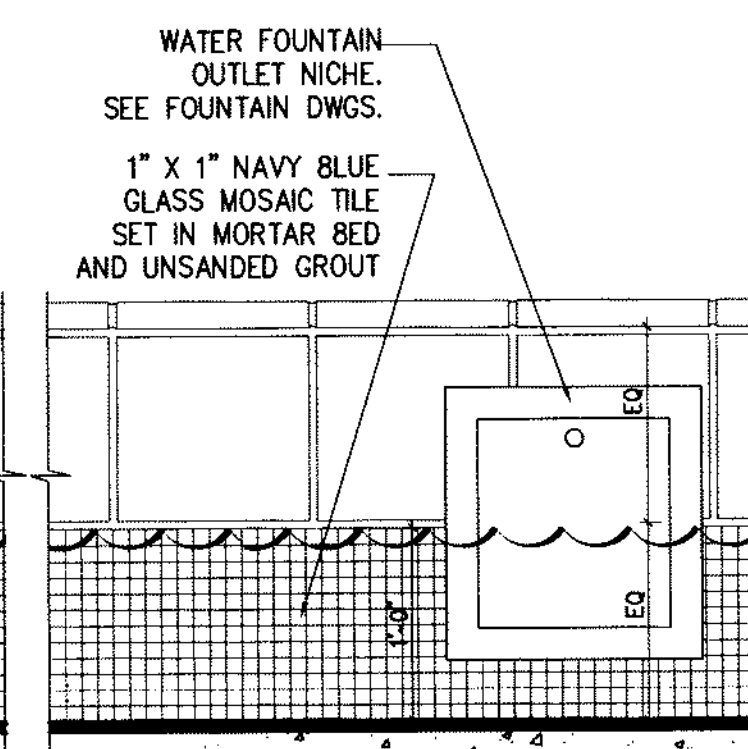
5 CLADDING / COPING DETAIL - CONCRETE BENCH
SCALE: 3" = 1'-0"



1 REFLECTING POOL PLAN
SCALE: 1/8" = 1'-0"



4 SECTION • REFLECTING POOL WALL
SCALE: 1" = 1'-0"



3 ELEVATION WATER FOUNTAIN OUTLET NICHE
SCALE 1" = 1'-0"

GENERAL NOTES :

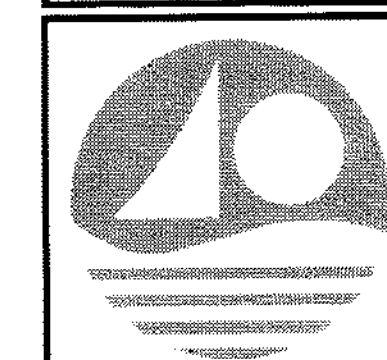
- 1) PROVIDE 6" WIDE CAST IN PLACE CONCRETE EDGE RESTRAINTS FOR ALL PAVING - TYPICAL UNLESS OTHERWISE NOTED. SEE CIVIL FOR MORE INFORMATION.
- 2) PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS PER MANUFACTURER'S RECOMMENDATIONS, FOR ALL PAVING, EDGE RESTRAINTS. SEE CIVIL FOR ADDITIONAL INFORMATION.
- 3) REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



DRAWN BY:
KN
CHKD BY:
WPB
APP'D BY:
JP
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

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JOYDAD JACOBSON, LEED AP
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AIA 07423
1-15-08
JACOBSON



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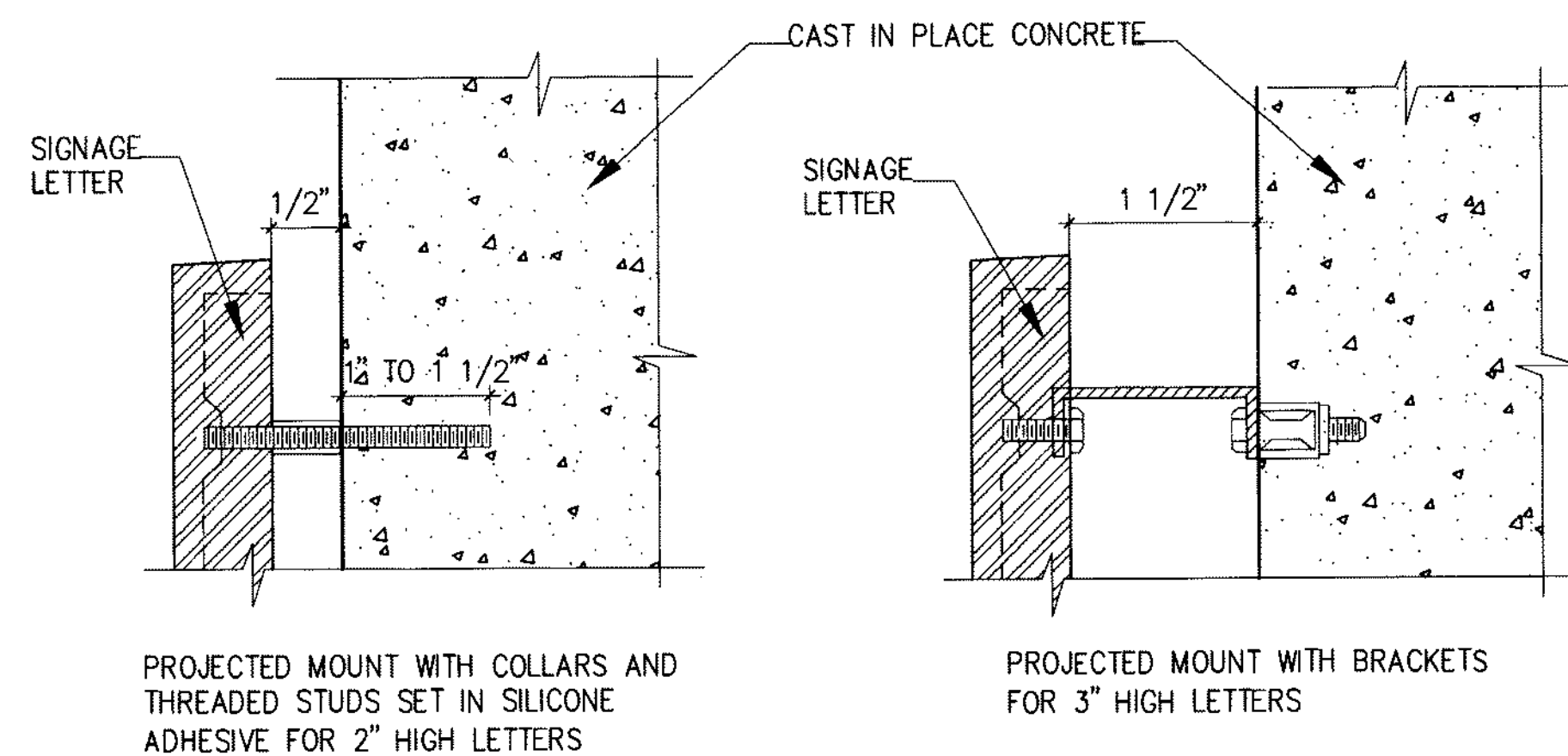
PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

**REFLECTING POOL ENLARGED
PLANS & WALKWAY DETAILS**

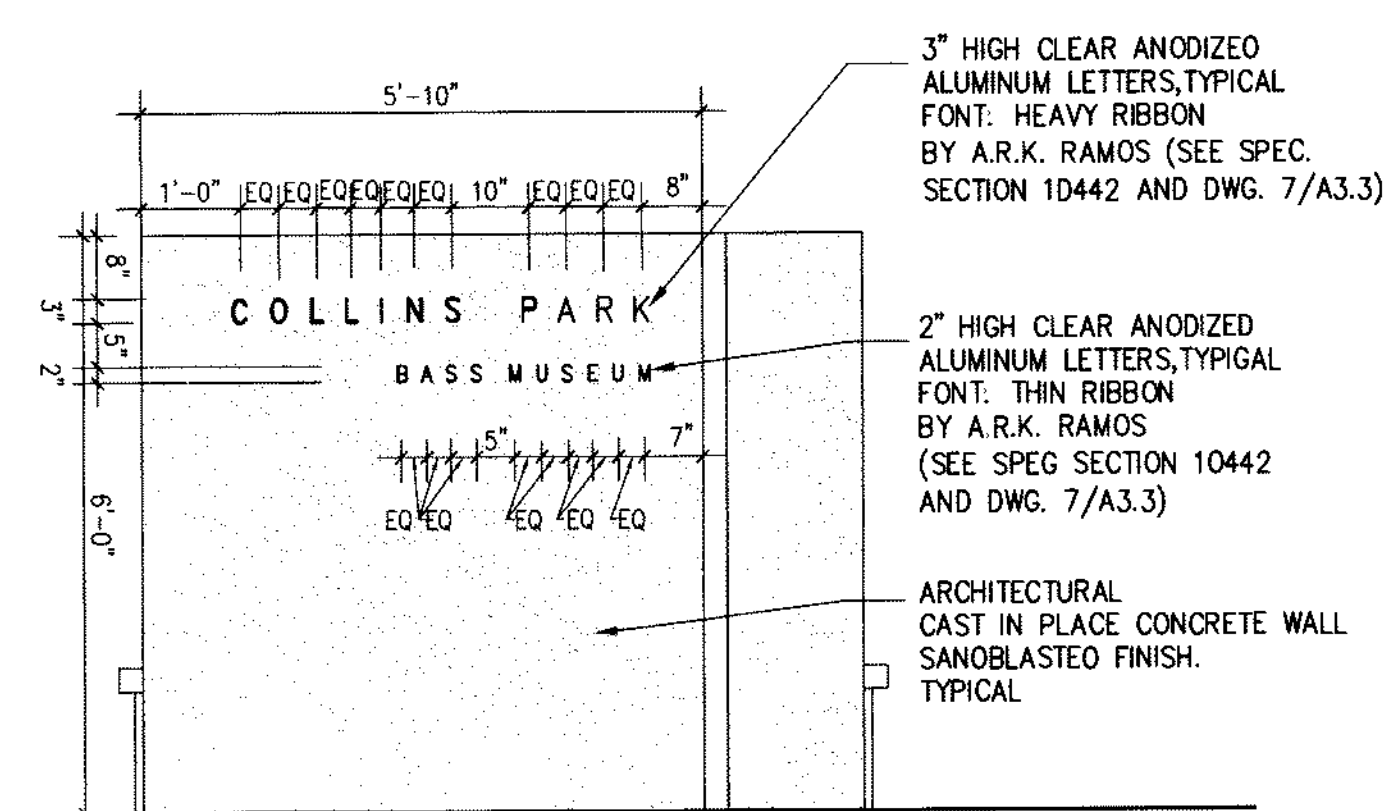
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

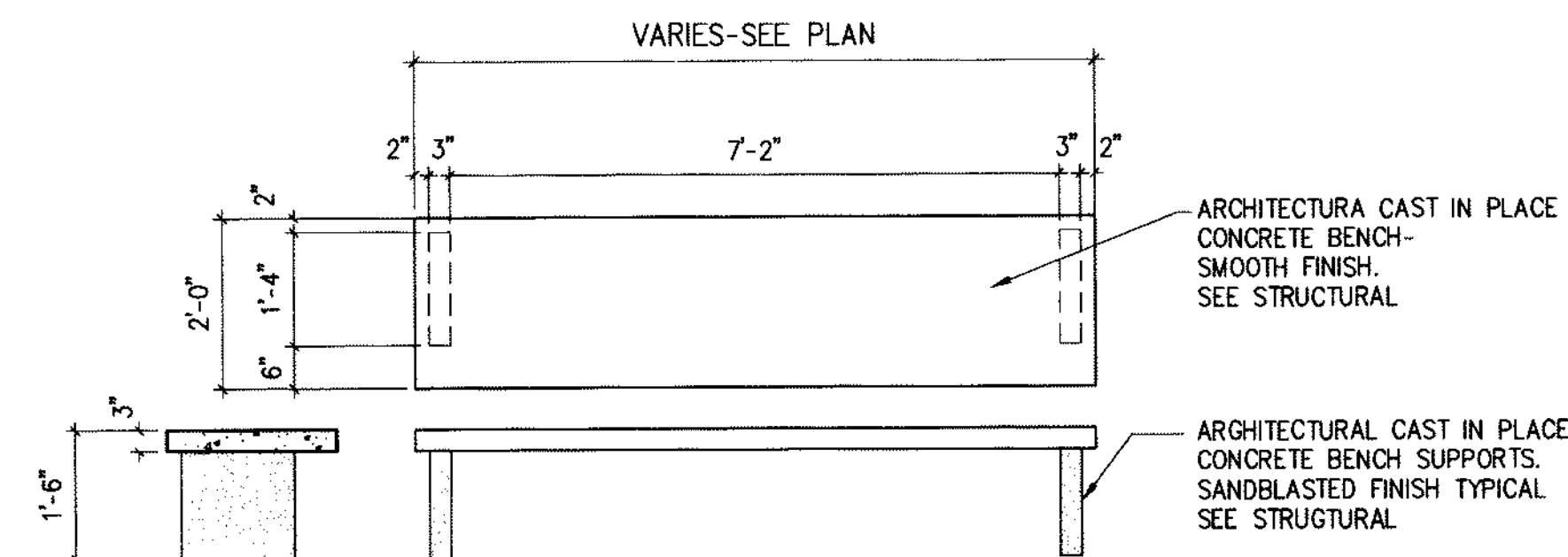
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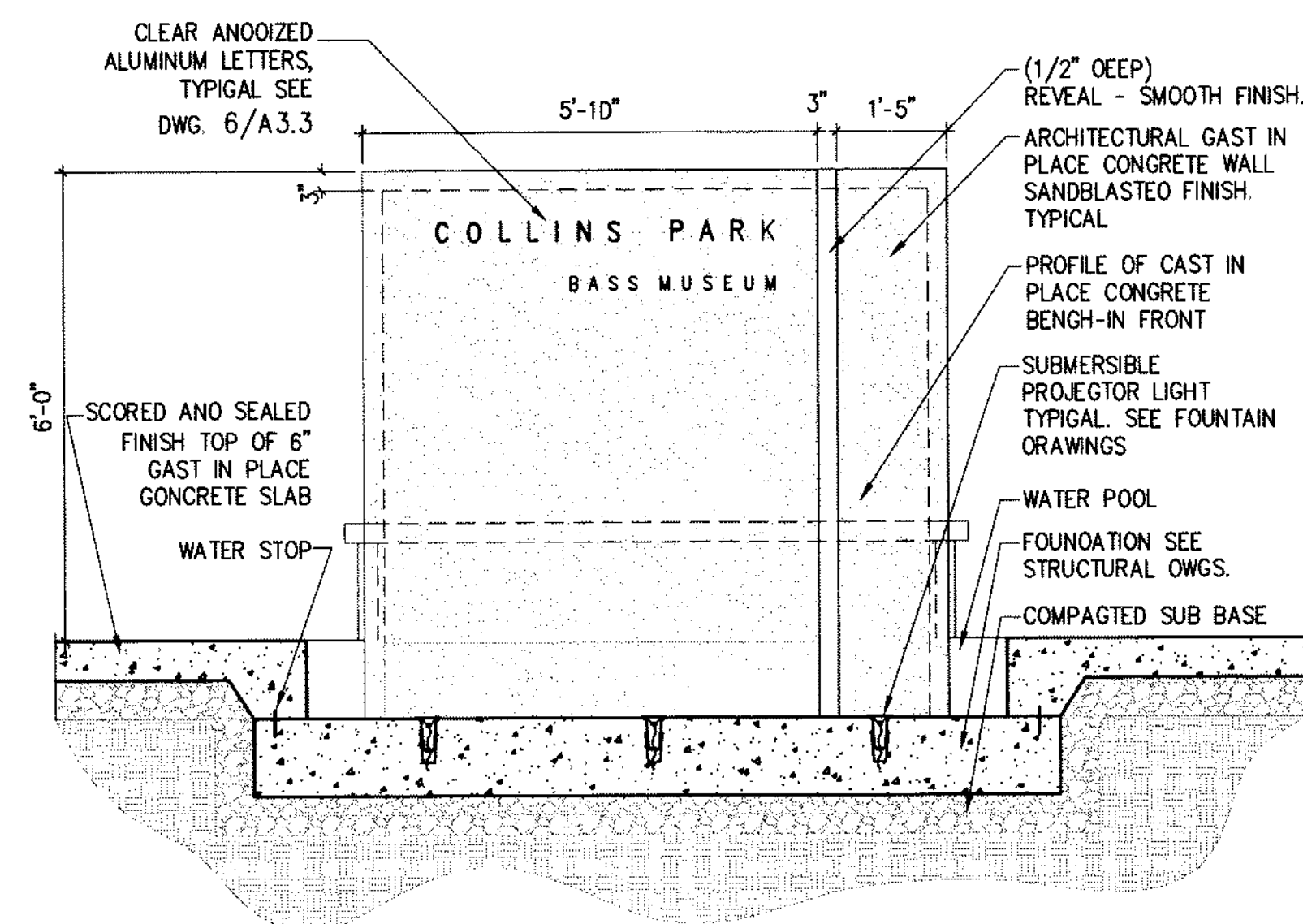
7 SIGNAGE ANCHORING DETAILS
SCALE: 1/2" = 1'-0"



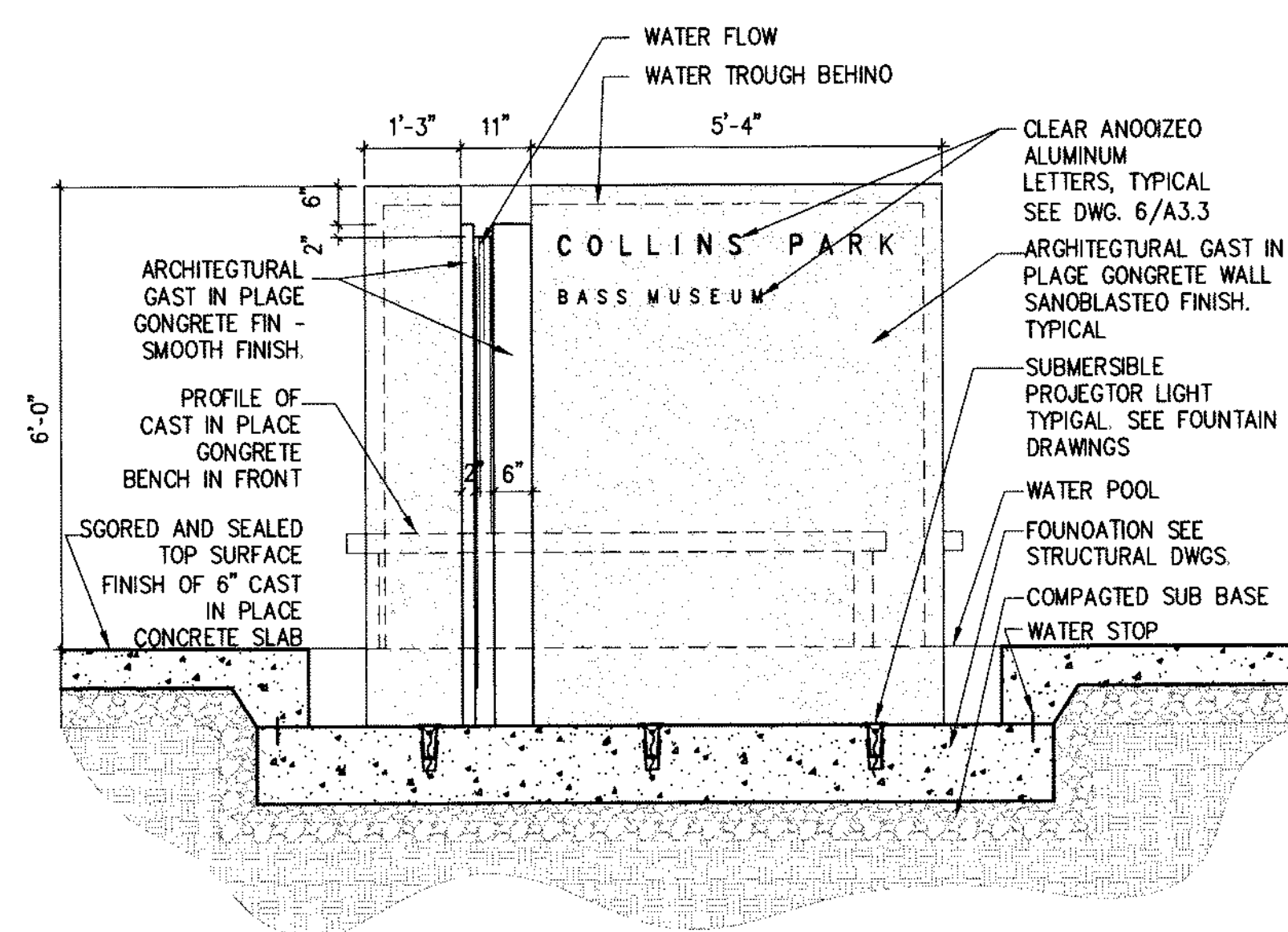
6 FOUNTAIN SIGNAGE LAYOUT
SCALE: 1/2" = 1'-0"



5 BENCH DETAILS
SCALE: 1/2" = 1'-0"

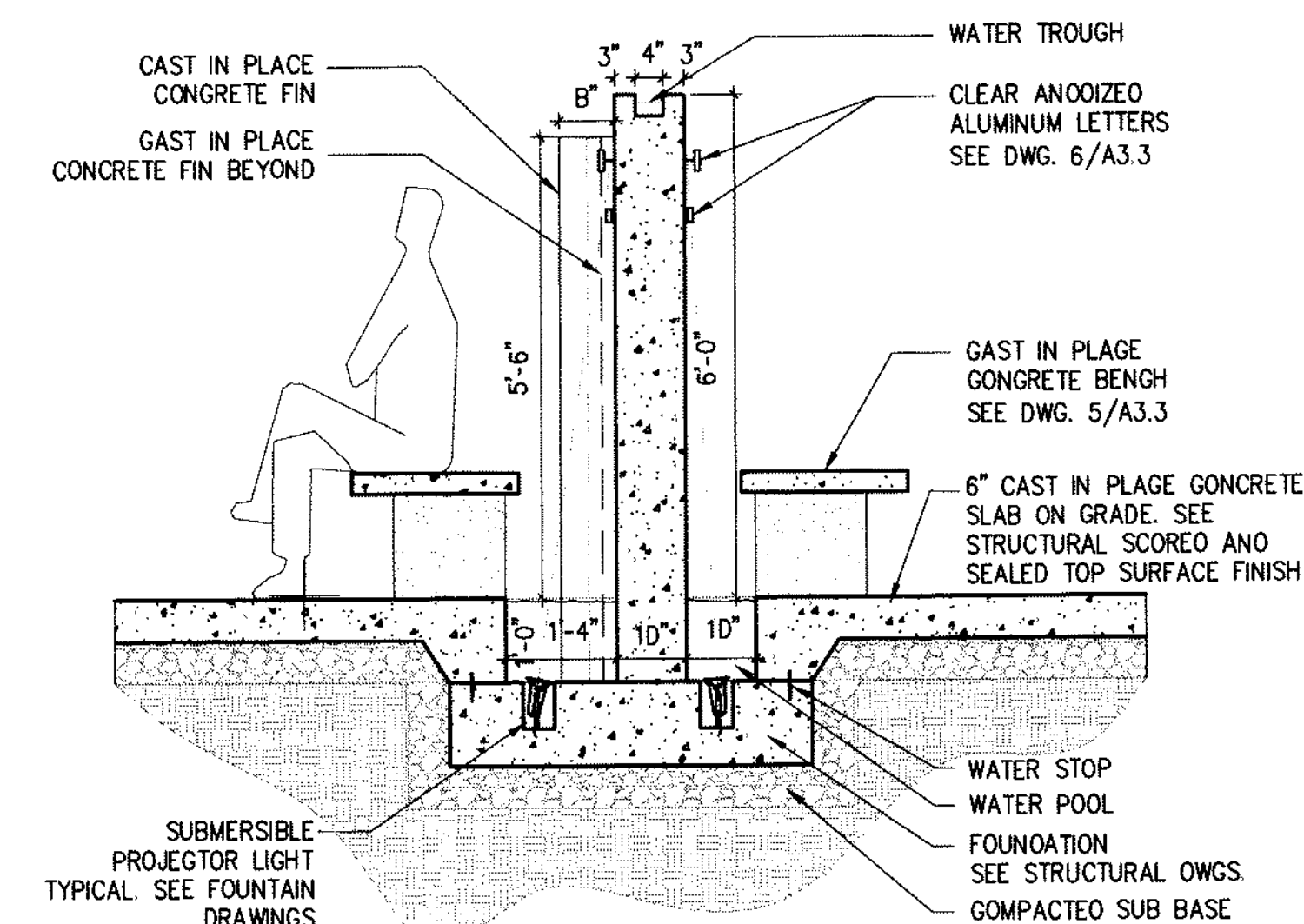


4 FOUNTAIN ELEVATION
SCALE: 1/2" = 1'-0"

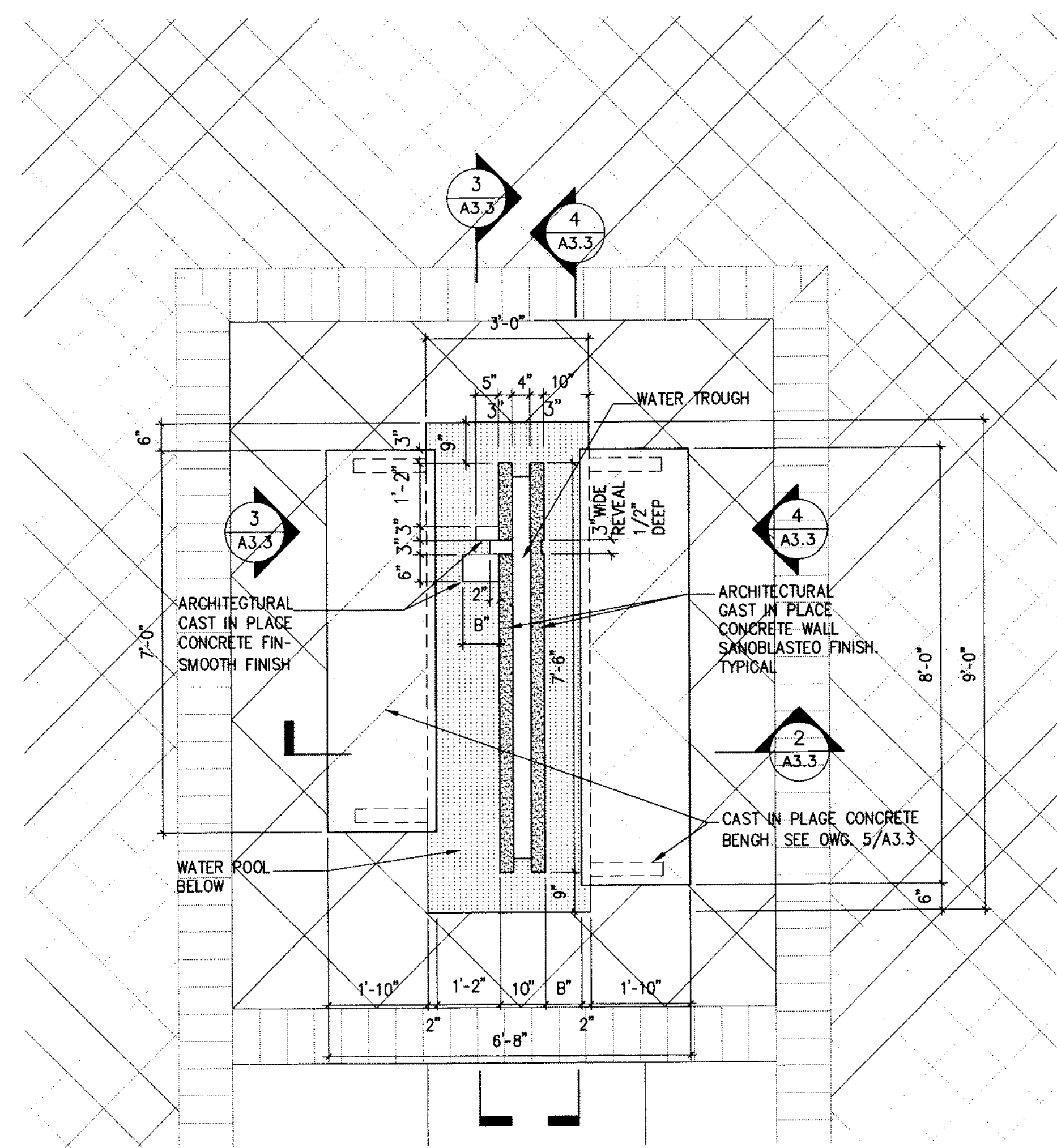


3 FOUNTAIN ELEVATION
SCALE: 1/2" = 1'-0"

- NOTES:
- 1) FOUNTAIN FORMWORK SHALL NOT HAVE SNAP TIES. SEE SPEC SECTION 03300.
 - 2) USE FORMLINER. NO JOINTS IN FORMWORK OR FACE OF CAST IN PLACE CONCRETE WALL.



2 FOUNTAIN SECTION
SCALE: 1/2" = 1'-0"



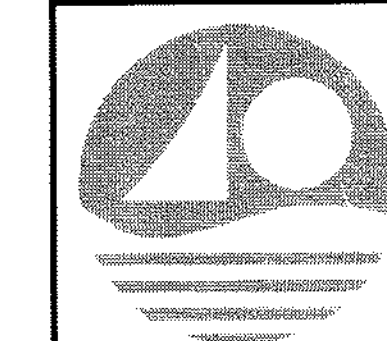
1 FOUNTAIN PLAN
SCALE: 1/2" = 1'-0"

Using: 9/8/08
TRUE NORTH
PLAN NORTH

DRAWN BY:
CHKD BY:
APP'D BY:
ISSUE DATE:
NOV 08, 2007
REVISIONS:
NO. DATE

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1-15-08



NOV 08, 2007 PERMIT SET

PROJECT TITLE:

COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER: CITY OF MIAMI BEACH

DRAWING TITLE:

WATER FOUNTAIN SCULPTURE - PLAN,
ELEVATION, SECTION, DETAILS

SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

A3.3



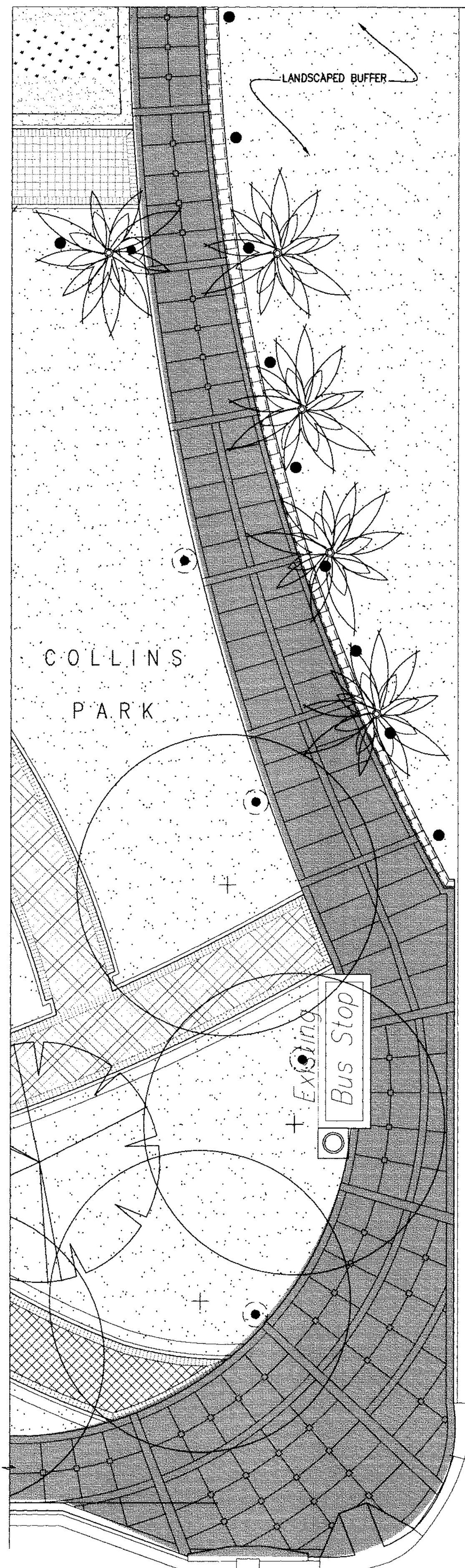
2 SECTION - EAST LOW WALL ALONG COLLINS AVENUE
A-4.0 SCALE: 1/2" = 1'-0"



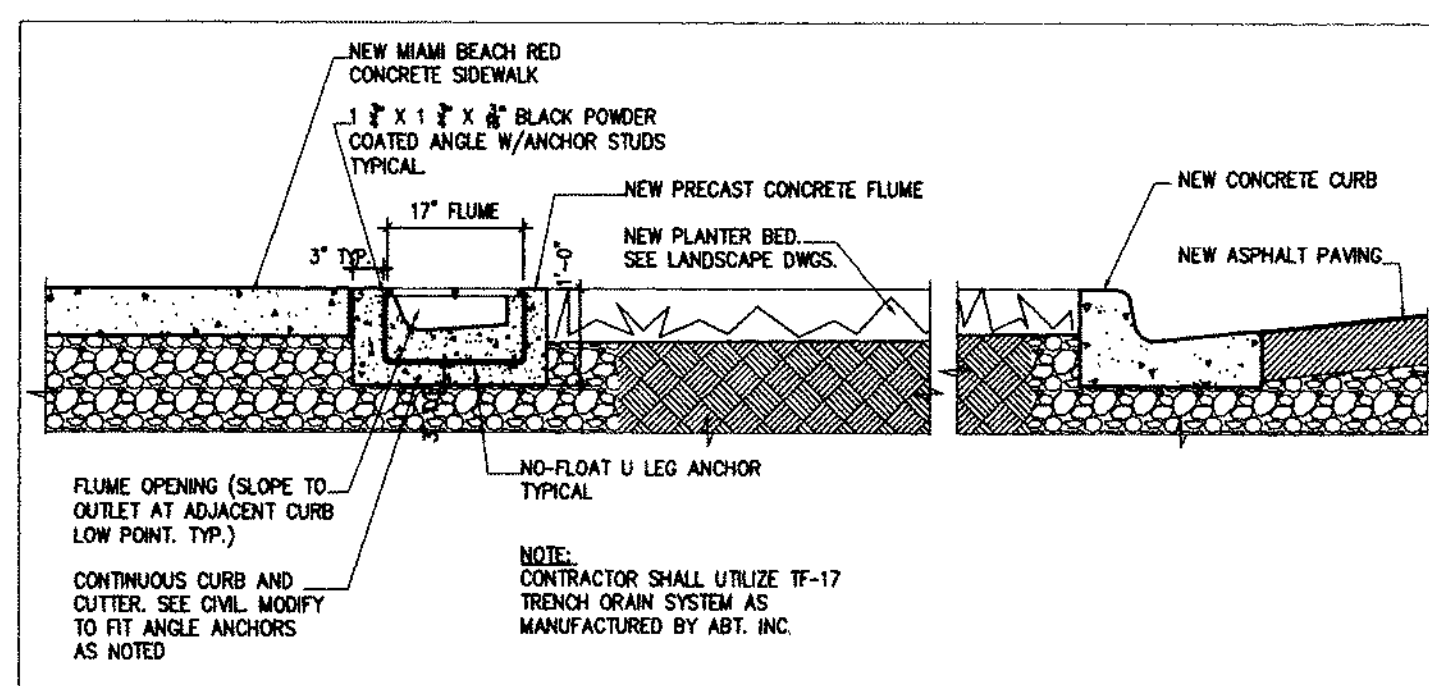
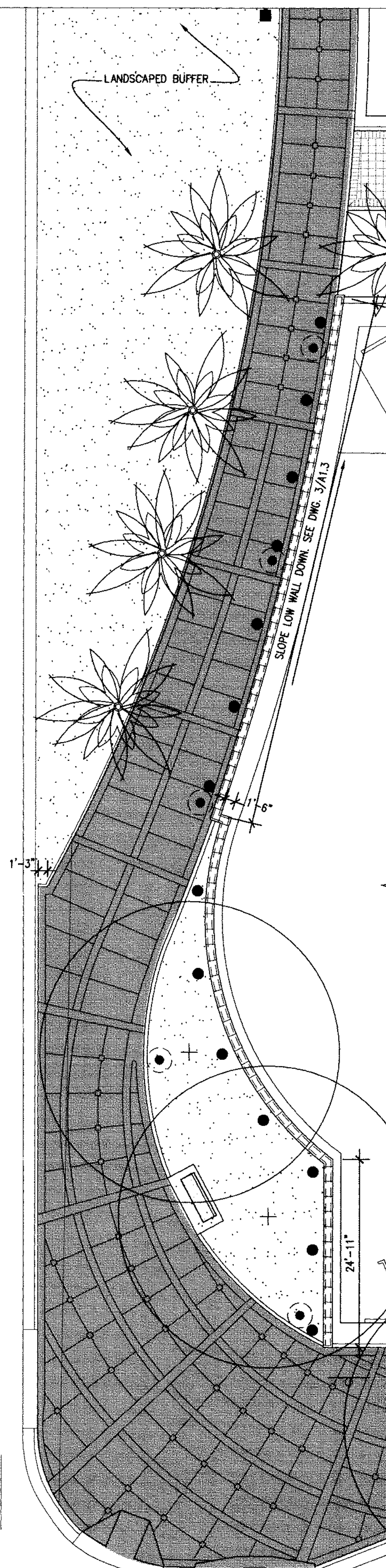
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SHEET No.

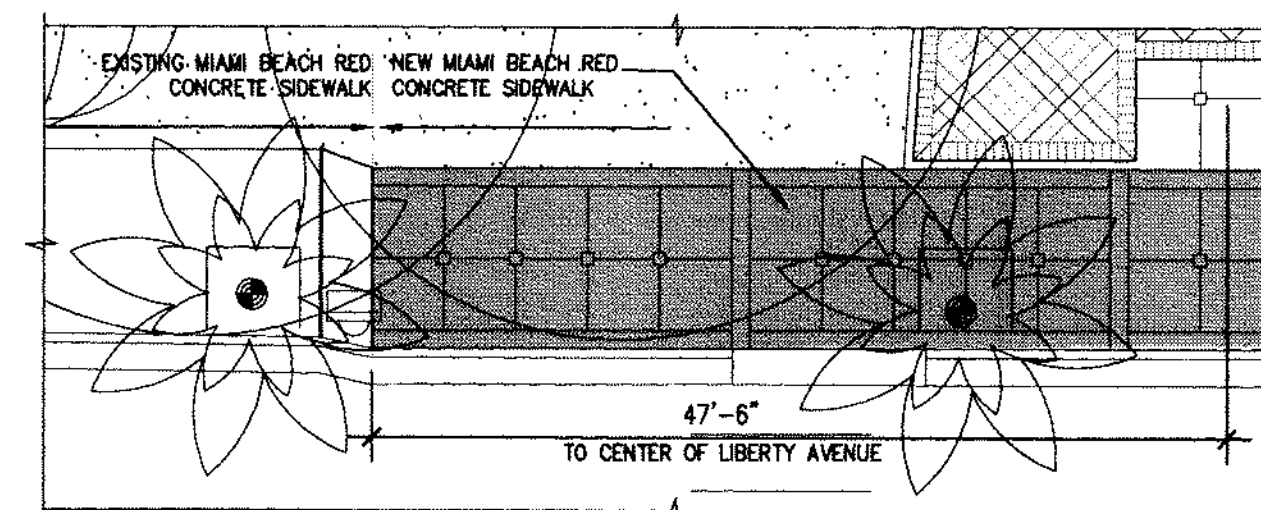
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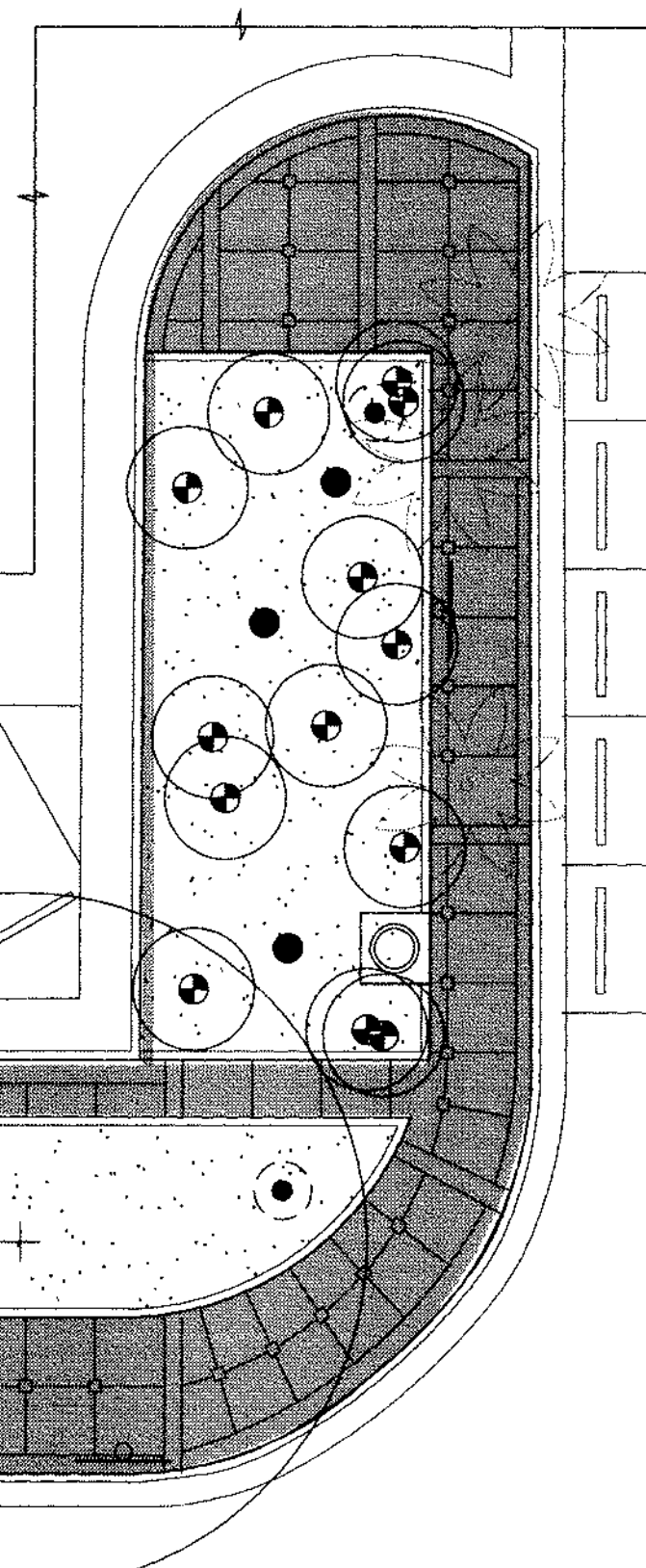
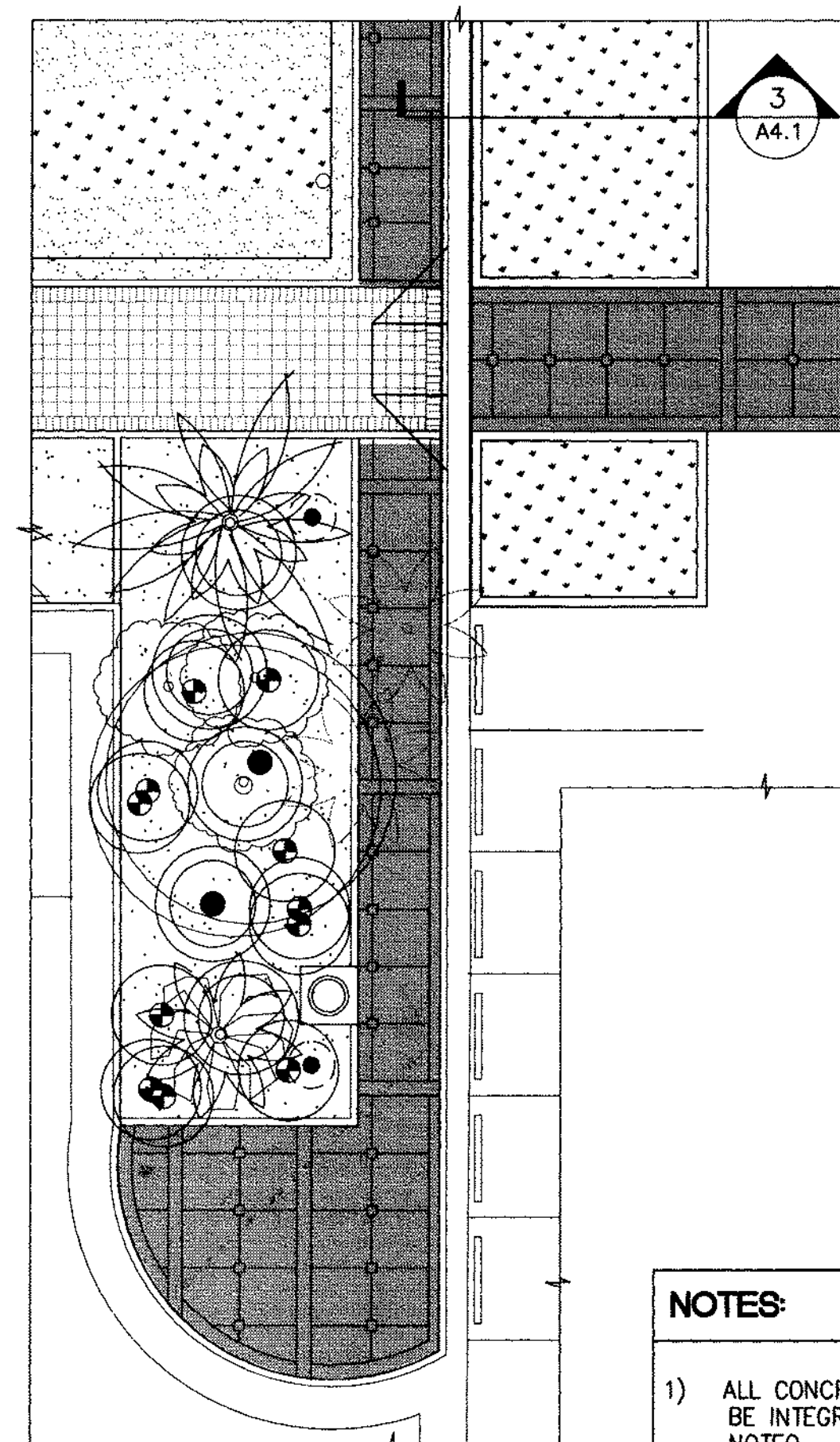
C O L L I N S A V E N U E



3 DETAIL SECTION
A-4.1 SCALE: 1/2" = 1'-0"



2 SIDEWALK ENLARGED PLAN-NEW TO EXISTING
A-4.1 SCALE: 1/2" = 1'-0"



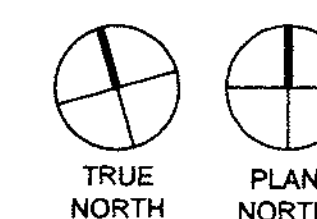
- NOTES:**
- 1) ALL CONCRETE PAVEMENT AND CURBS TO BE INTEGRALLY COLORED UNLESS OTHERWISE NOTED.
 - 2) ALL SCORE LINES SHOWN ARE TO BE CONTROL JOINTS UNLESS OTHERWISE INDICATED.
 - 3) SEE CIVIL, LANDSCAPE, AND ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
 - 4) SEE DWG. A4.2 FOR ADDITIONAL INFORMATION.

LEGEND:

- NEW MIAMI BEACH RED CONCRETE SIDEWALK
- NEW COCONUT PALM
- NEW STREET TREE
- NEW SEATING BENCH ON CONCRETE PAD
- NEW TRASH RECEPTACLE ON CONCRETE PAD
- NEW LIGHT POLE TYPICAL SEE ELECTRICAL
- NEW UPLIGHTING FIXTURE IN GROUND TYPICAL SEE ELECTRICAL

1 TYPICAL SIDEWALK ENLARGED PLAN
A-4.1 SCALE: 1/2" = 1'-0"

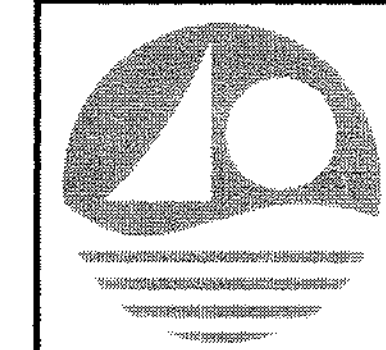
Conny. 9/13/00



DRAWN BY: KN
CHKD BY: WPB
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: No. DATE

MCHARRY ASSOCIATES
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THOMAS CARLSON
AT 03/14/00
1-15-08

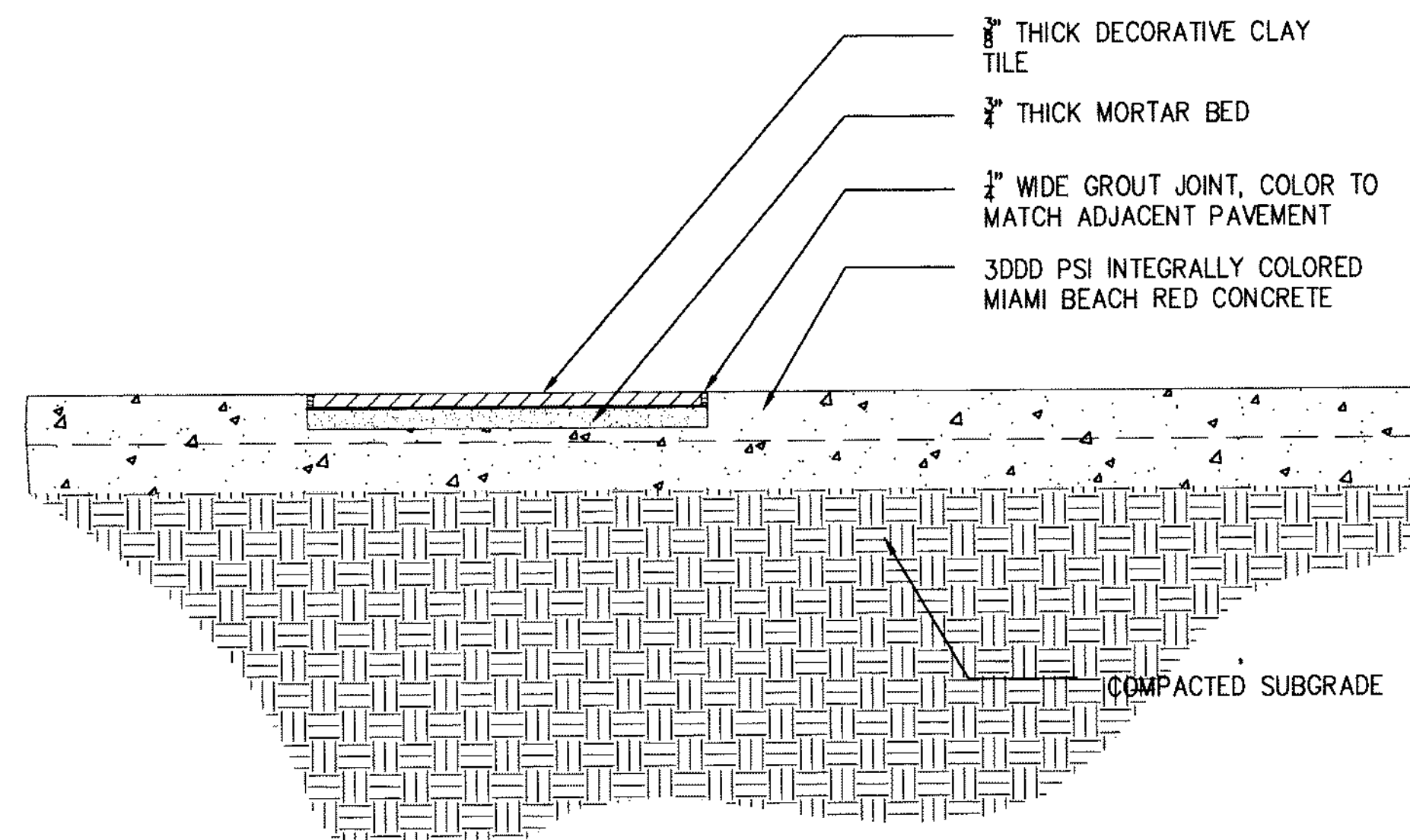


PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

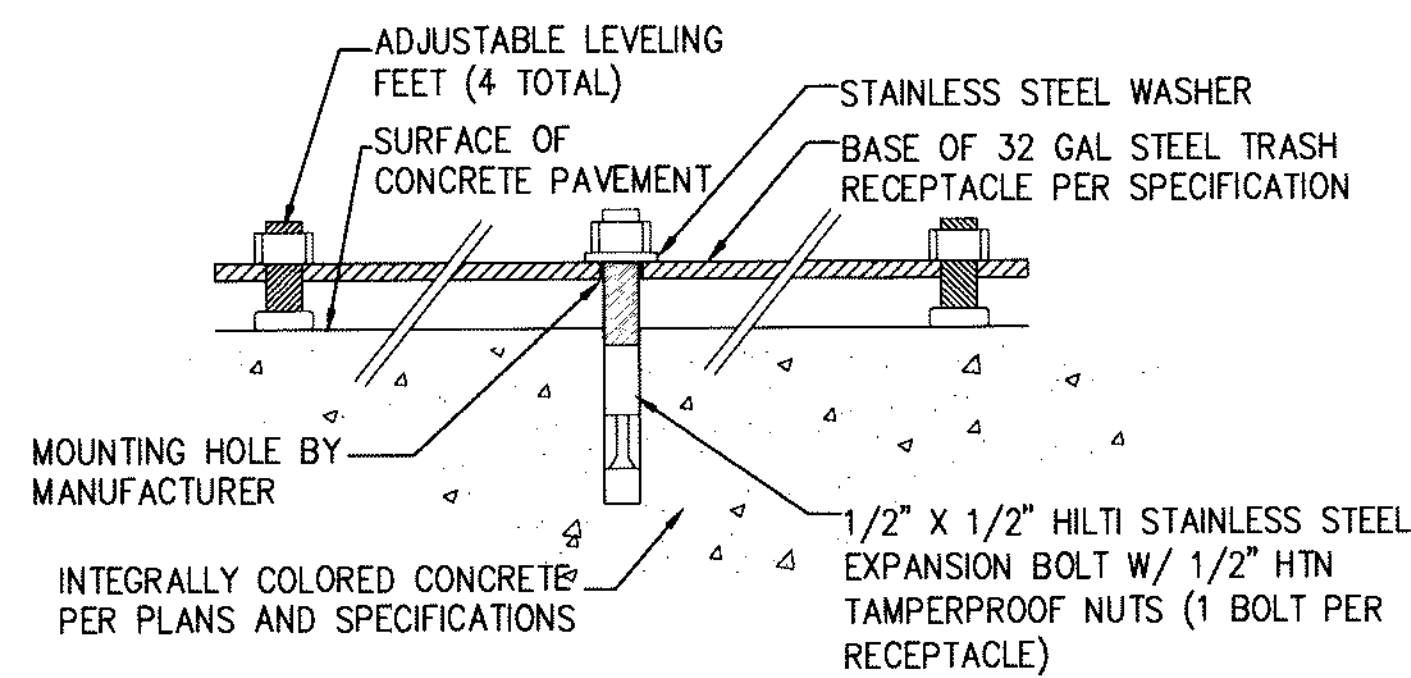
DRAWING TITLE:
SIDEWALK ENLARGED PLAN AND DETAILS
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

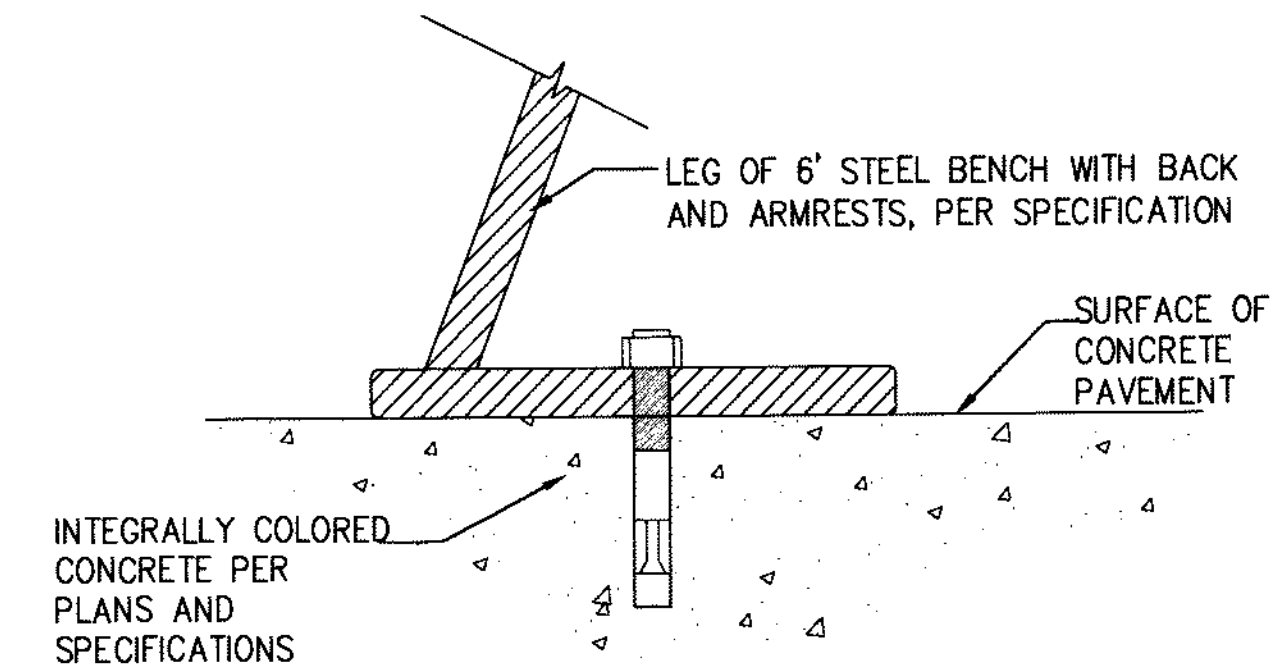
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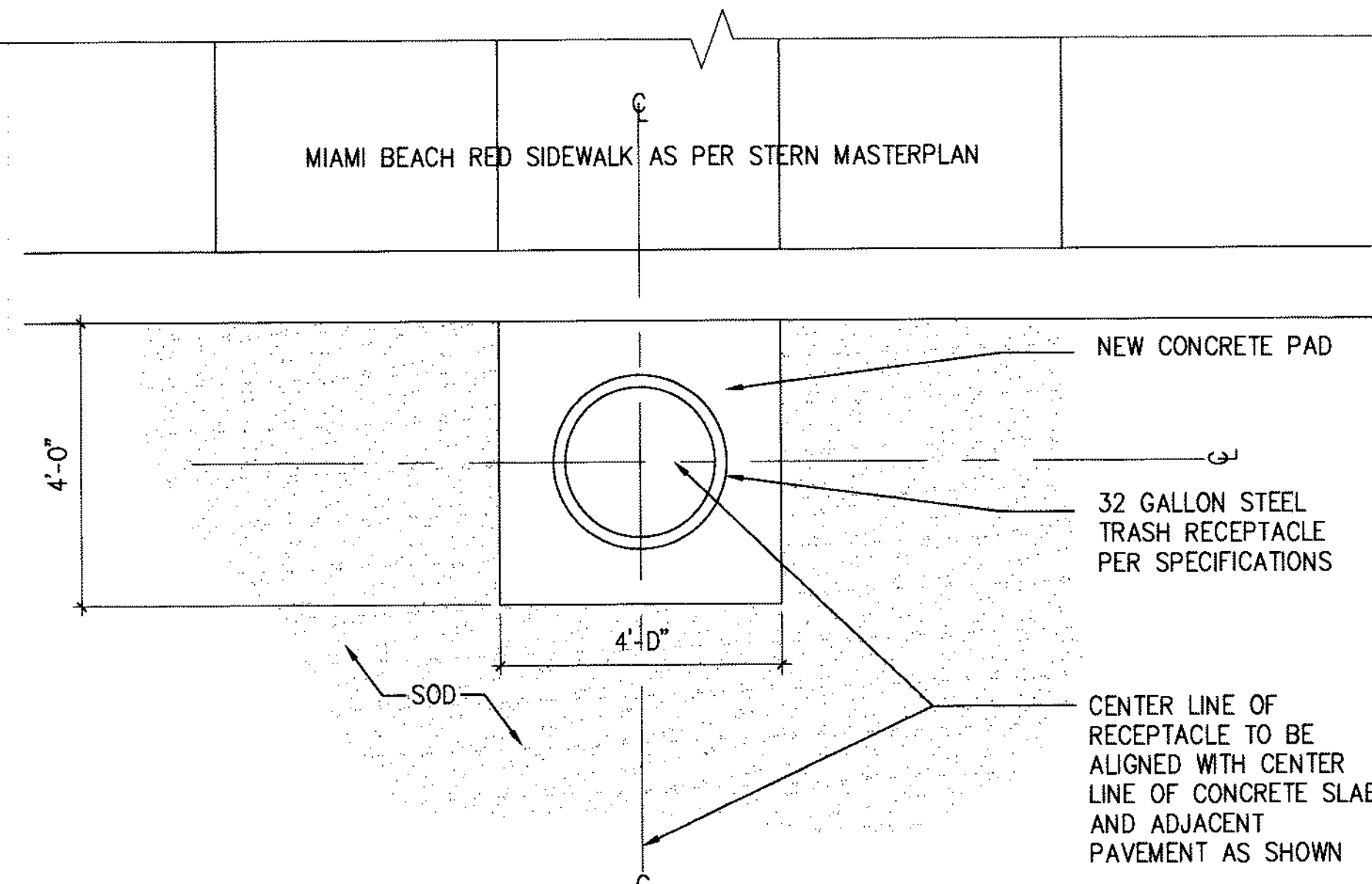
4 DECORATIVE CERAMIC TILE INSERT
SCALE: 1" = 1'-0"



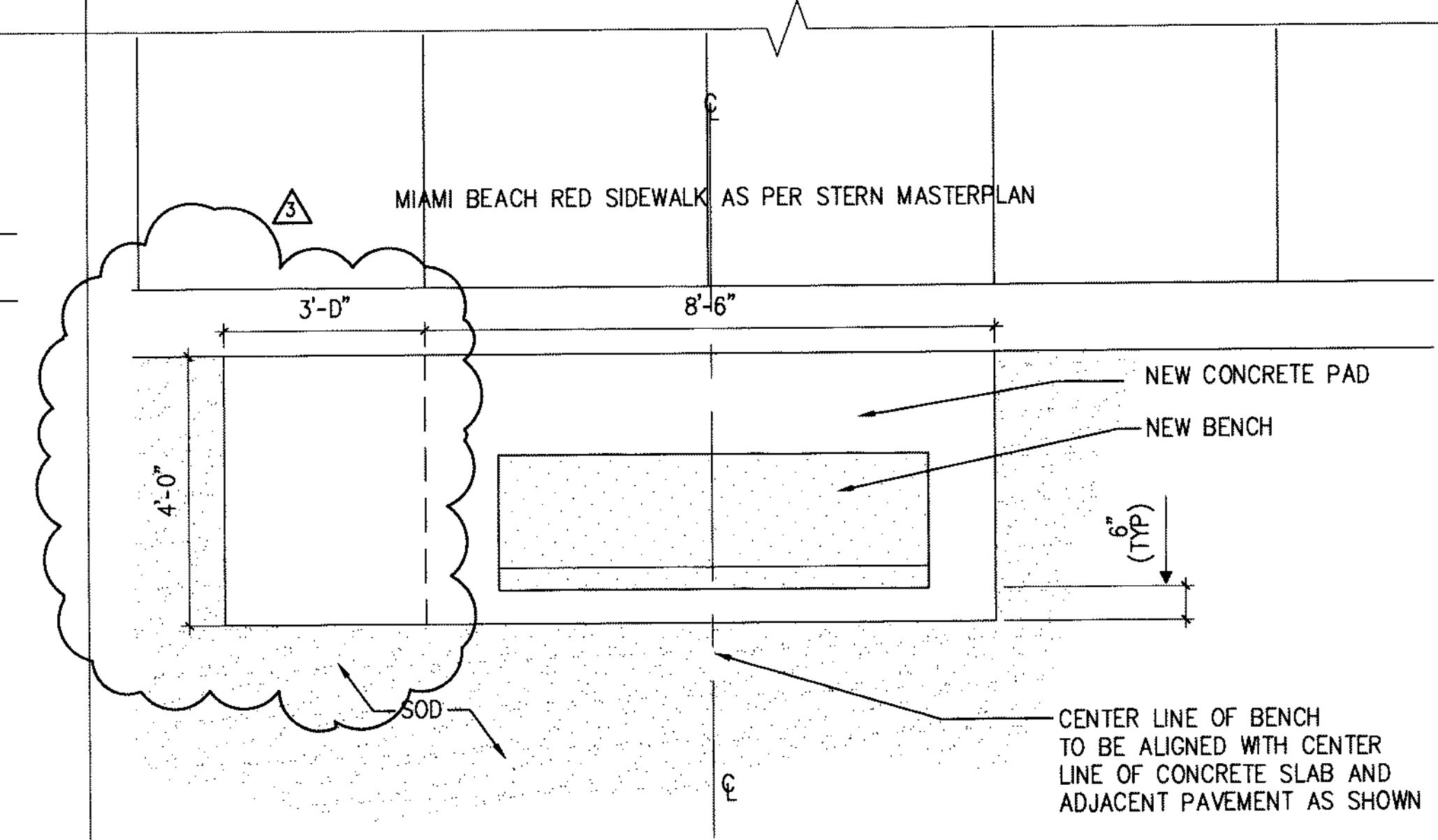
3a TRASH RECEPTACLE ANCHORING DETAIL
SCALE: 1/4" = 1'-0"



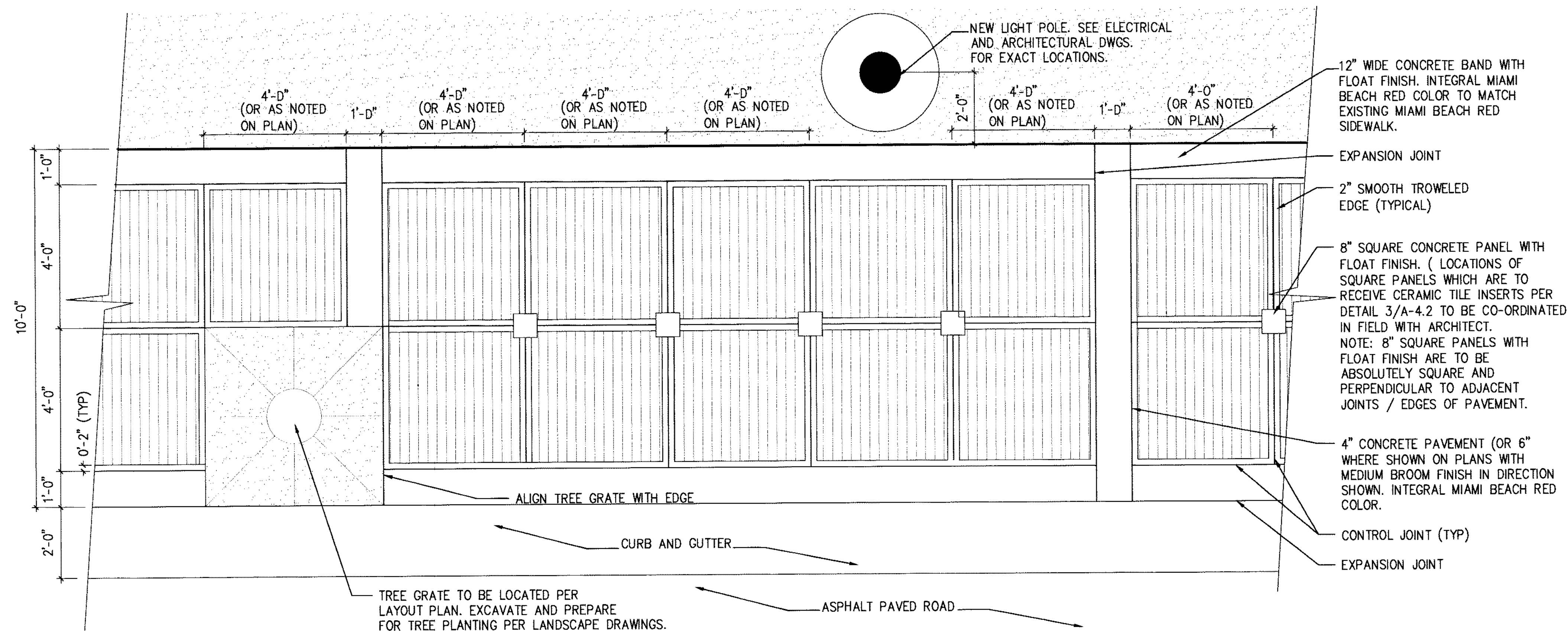
2a BENCH ANCHORING DETAIL
SCALE: 1/4" = 1'-0"



3 TRASH RECEPTACLE LOCATION DETAIL
SCALE: 1/2" = 1'-0"



2 BENCH LOCATION DETAIL
SCALE: 1/2" = 1'-0"



1 TYPICAL SIDEWALK PAVEMENT TREATMENT PLAN
SCALE: 1/2" = 1'-0"

Benny J. 9/13/07
GENERAL NOTES

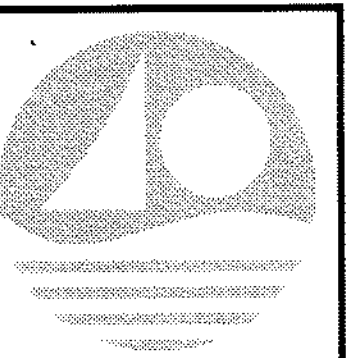
- 1) PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS PER CIVIL DRAWINGS, TYPICAL.
- 2) SEE CIVIL DRAWINGS FOR ALL JOINT DETAILS.

NOV 08, 2007 PERMIT SET

DRAWN BY: KL
CHKD BY: KN
APP'D BY: JP
ISSUE DATE: NOV 08, 2007
REVISIONS: NO. DATE
1 MAY 07, 2008 NOT USED
2 MAY 07, 2008 PERMIT REVISIONS
3

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AIA 007120
Handwritten signature
5-14-08
SEAL

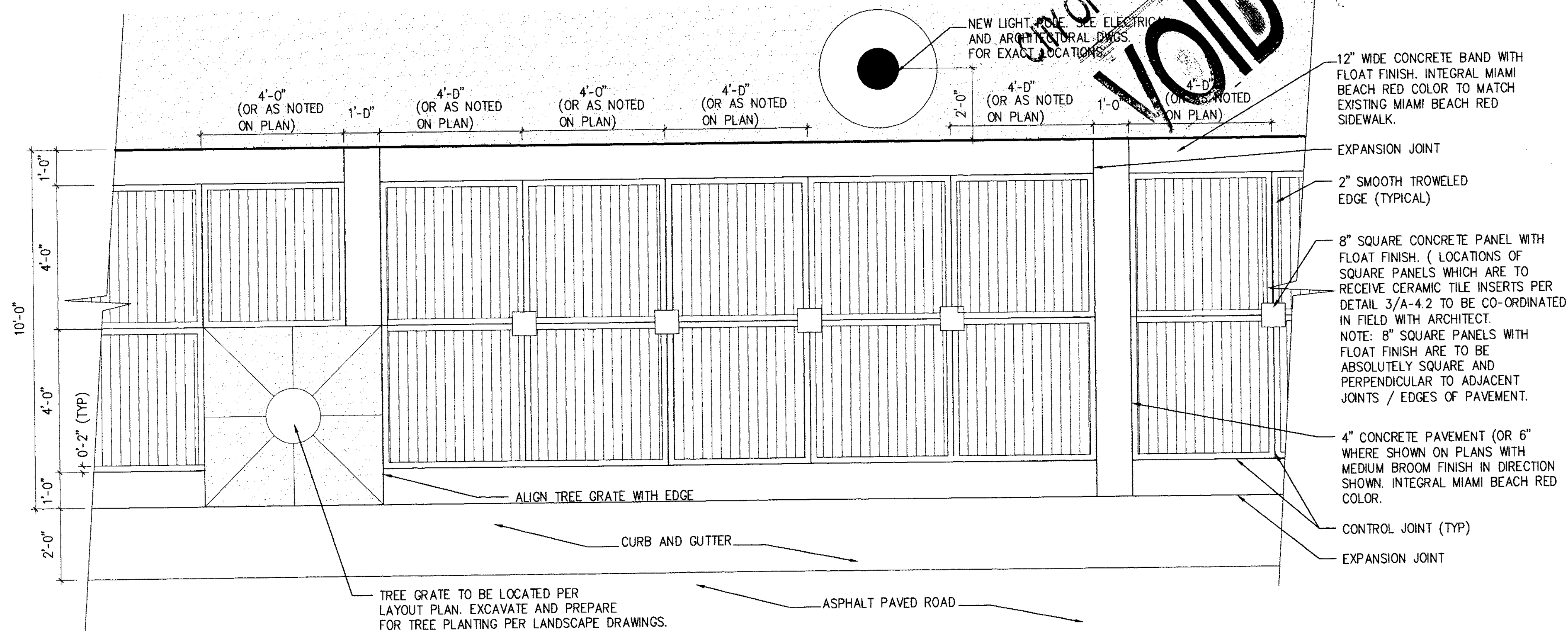
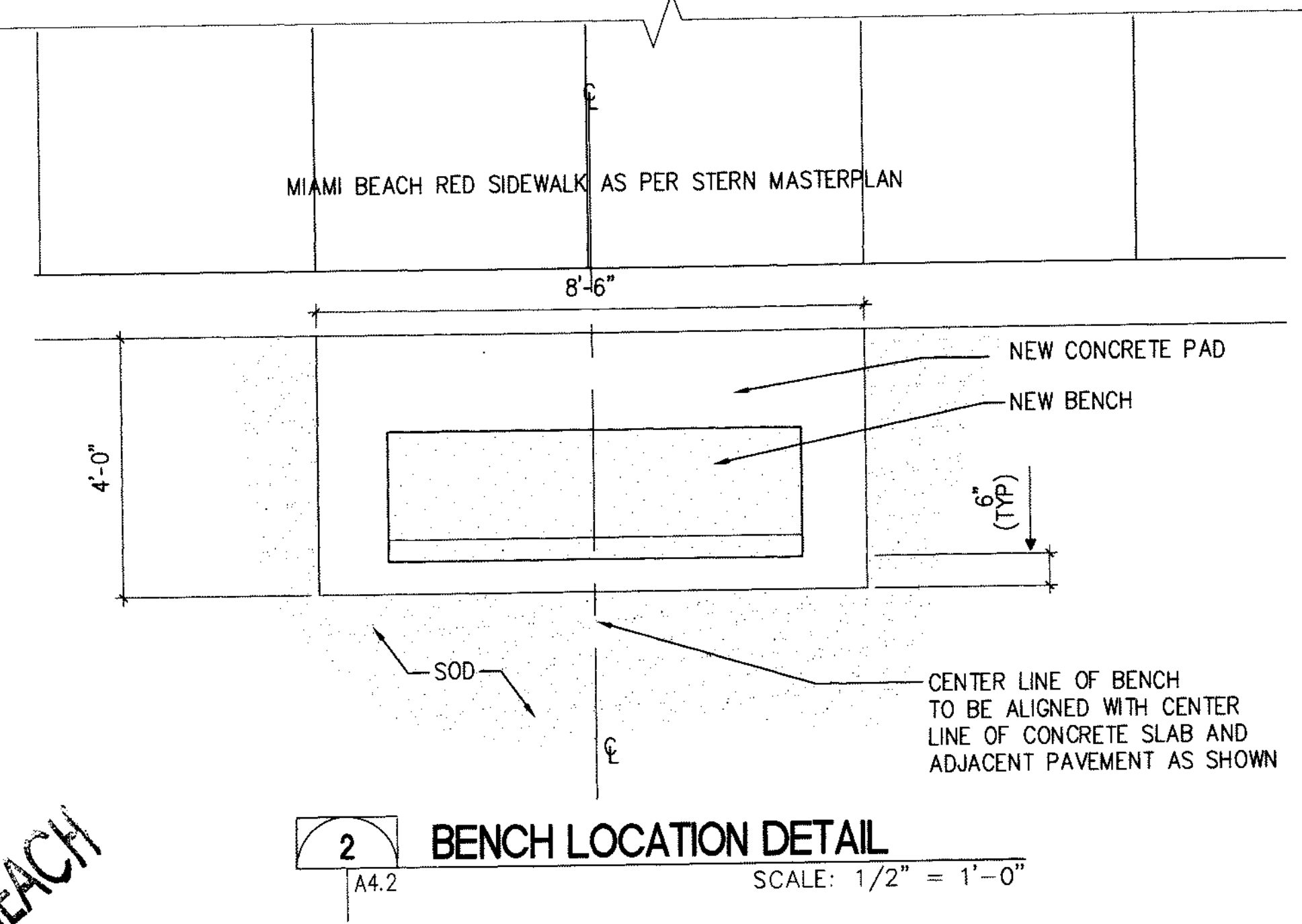
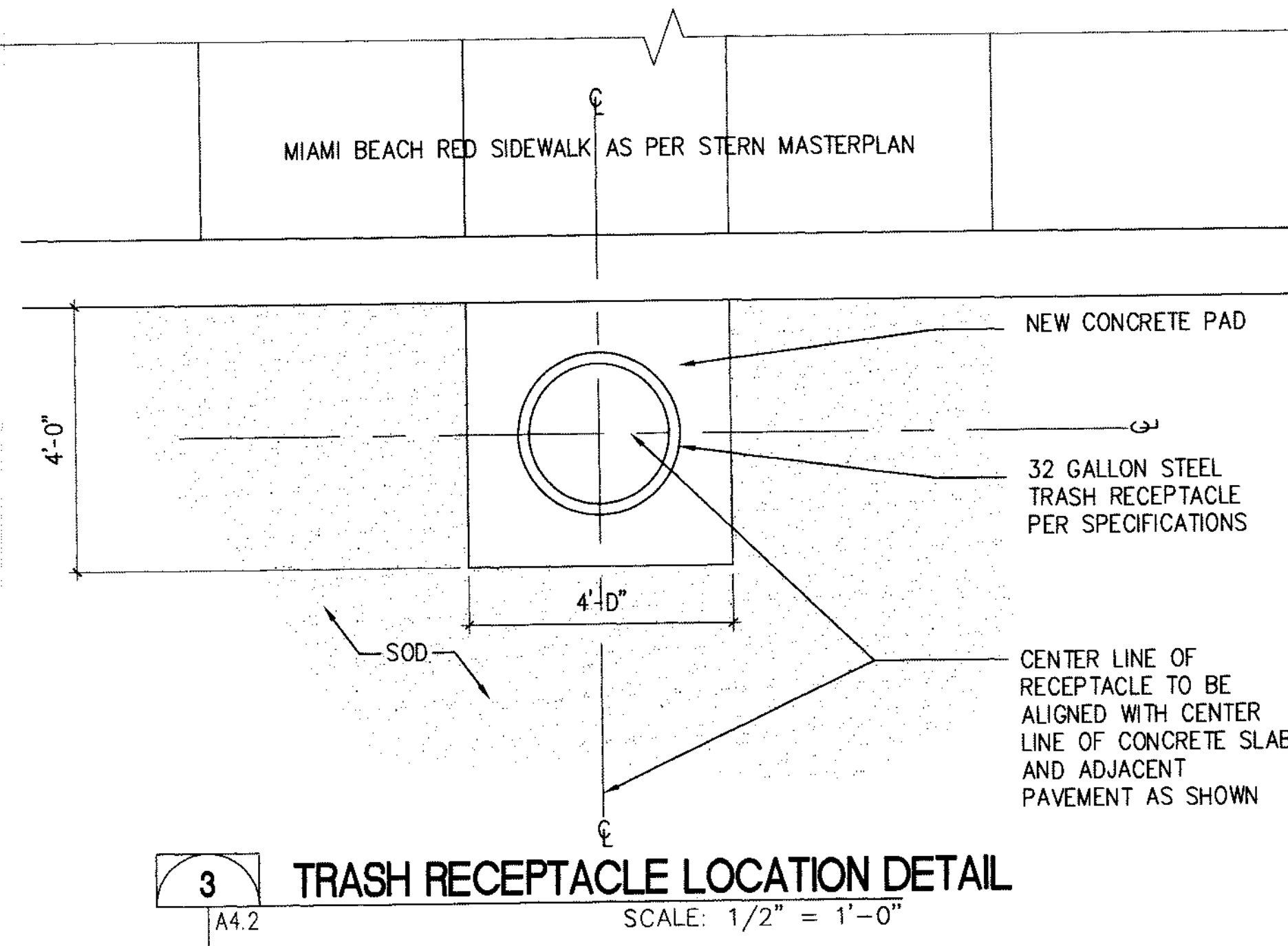
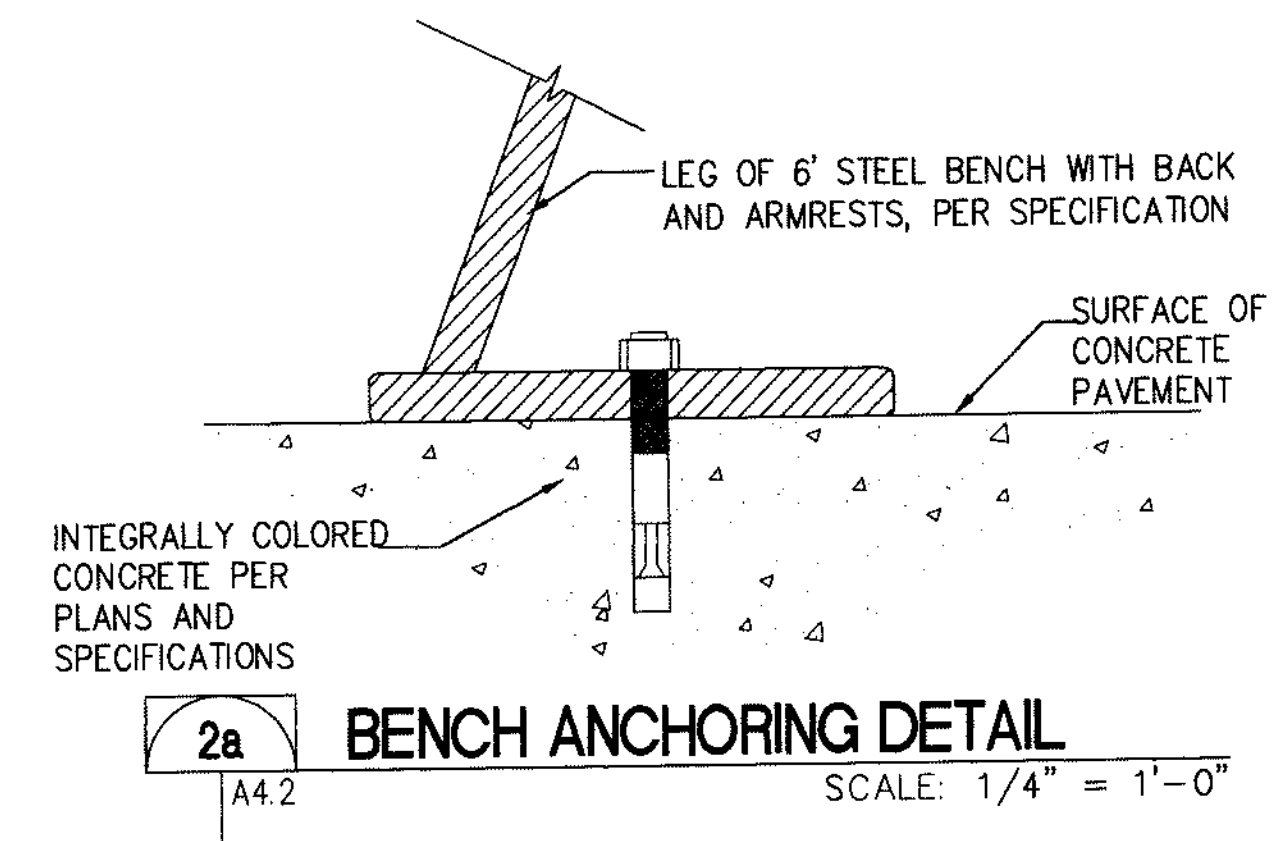
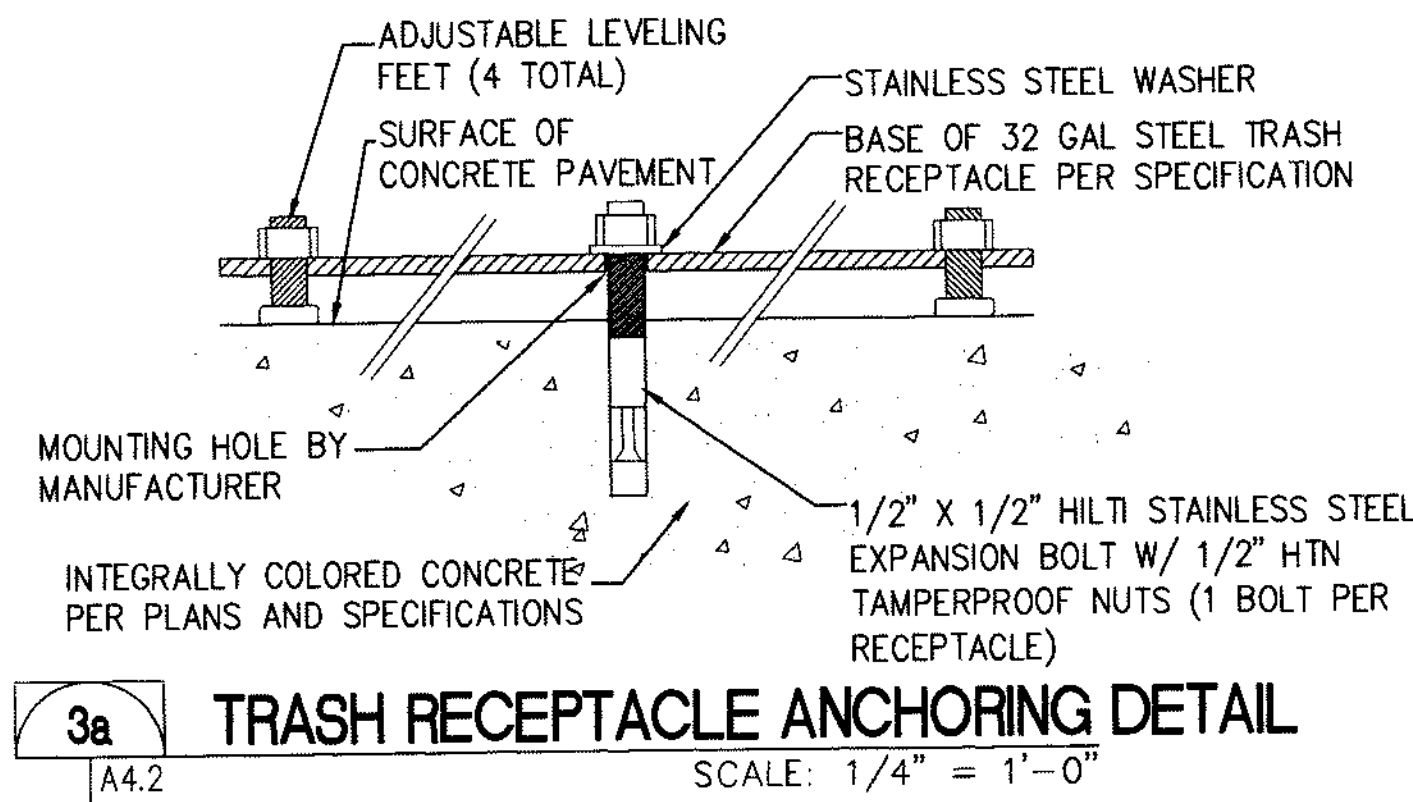
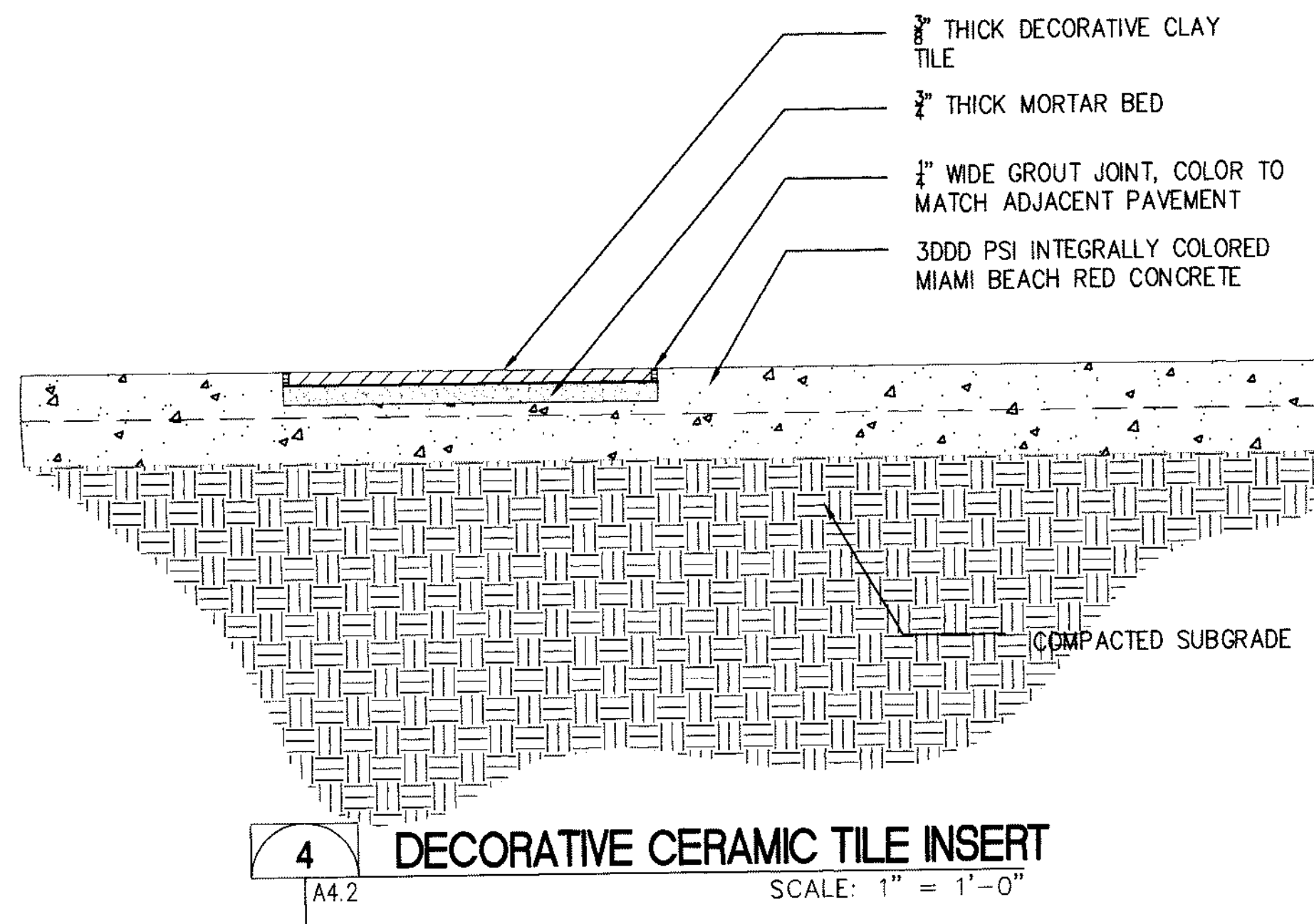


PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
SIDEWALK DETAILS - STERN MASTERPLAN
SCALE: AS NOTED
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

A4.2



1 TYPICAL SIDEWALK PAVEMENT TREATMENT PLAN
 SCALE: 1/2" = 1'-0"

- GENERAL NOTES:**
- 1) PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS PER CIVIL DRAWINGS, TYPICAL.
 - 2) SEE CIVIL DRAWINGS FOR ALL JOINT DETAILS.

DRAWN BY: KL
 CHKD BY: KN
 APP'D BY: JP
 ISSUE DATE: NOV 08, 2007
 REVISIONS: No. DATE

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THOMAS CARLSON
 AR 007420
 1-15-08
 SEAL

PROJECT TITLE:
 COLLINS PARK CULTURAL CAMPUS PROJECT
 COLLINS PARK / ROTUNDA / STREETSCAPE
 MIAMI BEACH, FLORIDA
 OWNER:
 CITY OF MIAMI BEACH

DRAWING TITLE:
SIDEWALK DETAILS - STERN MASTERPLAN
 SCALE: AS NOTED
 NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.
A4.2

STRUCTURAL NOTES

GENERAL NOTES

- The governing Code for this Project is the Florida Building Code, 2004 Edition with 2005 Supplement. This Code prescribes which edition of each referenced standard applies to this Project.
- To the best of our knowledge, the Structural Drawings and Specifications comply with the applicable requirements of the governing Building Code.
- Construction is to comply with the requirements of the governing Building Code and all other applicable Federal, State, and Local Codes, Standards, Regulations and Laws.
- The Structural Documents are to be used in conjunction with the Architectural Documents. Use these Notes in conjunction with the Project Specifications. If a conflict exists, the more stringent governs.
- See Project Specifications for testing.
- The General Contractor shall coordinate all Contract Documents with field conditions and dimensions and Project Shop Drawings prior to construction. Do not scale drawings; use only printed dimensions. Report any discrepancies in writing to the Architect prior to proceeding with work. Do not change size or location of structural members without written instructions from the Structural Engineer of Record.
- The Contractor is solely responsible for construction means and methods, and jobsite safety including all OSHA requirements.
- Design Wind Loads

Governing Code	ASCE 7-02
Basic Wind Speed	V = 146 mph
Building Category	II
Importance Factor	I = 1.0
Directionality Factor	Kd = 0.85
Exposure	C

SHOP DRAWINGS AND OTHER SUBMITTALS

- Refer to Division 1 of the Specifications for submittal procedures and requirements. Refer to the applicable specification sections for technical content requirements. Incomplete submittals will be returned without review.
- The General Contractor shall review and approve submittals and shall sign and date each drawing prior to submitting to the Architect.
- The Structural Engineer reviews submittals to confirm that the submittal is in general conformance with the design concept presented in the Contract Documents.

SHALLOW FOUNDATIONS

- Foundation design, soil preparation and compaction are based on geotechnical investigation, data and recommendations in report No. 05-3838 by Ardaman And Associates dated 05/14/07.
- Footing sizes and reinforcing are based on an allowable soil bearing capacity of 2000 psf. All footings shall bear on compacted fill prepared per the Geotechnical Report.
- Subgrade preparation shall be field controlled and tested by a Licensed Soils Engineer in accordance with the Geotechnical Report.
- The Contractor is solely responsible for all excavation procedures.

SLABS ON GRADE

- Refer to Geotechnical Report for subgrade preparation more than 12" below bottom of slab.
- Above subgrade, use fill containing not more than 10% passing #200 sieve and maximum 1 inch diameter. Compact to 95% of maximum dry density as determined by modified proctor ASTM D-1557. Each layer of fill shall not exceed 6" loose thickness. Compact prior to placement of the next layer.
- Fill placement and compaction shall be monitored and accepted by the testing agency. Take a min. of one field density test (ASTM D-1556 or D-2922) for each 2,500 square feet of each layer. The testing agency shall randomly select test locations.

REINFORCED CONCRETE

- Comply with ACI 301 and 318 and Specification Section 03300.
- Provide normal weight structural concrete with a minimum ultimate compressive design strength in 28 days of 5000 psi.
- Provide ASTM A-615 Grade 60 reinforcing steel. Reinforcing shall be accurately placed, rigidly supported and firmly tied in place, with appropriate bar supports and spacers. Lap continuous reinforcing 48 bar dia. Lap bottom steel over supports and top steel at midspan (u.o.n.). Hook discontinuous ends of all top bars and all bars in walls, u.o.n. provide cover over reinforcing as follows:

Element	Bottom	Top	Sides
Footings	3"	3"	3"
Slabs on Grade	3"	3"	3"
Walls	-	-	3

- Provide plain, cold-drawn electrically-welded wire reinforcement conforming to ASTM A-185. Supply in flat sheets only. Lap splice one cross wire spacing plus two inches.
- Provide construction joints in accordance with ACI 318, Section 6.4. Provide keyways and adequate dowels.
- Provide 3/4" chamfer for all exposed corners.
- See Architectural Documents for all waterproofing, waterstop, etc.

CONCRETE MASONRY

- Construct masonry in accordance with Specification Sections 04810 and 04820; ACI 530/ASCE 5, "Building Code Requirements for Concrete Masonry Structures"; and ACI 530.1/ASCE 6, "Specifications for the Design and Construction of Load-Bearing Concrete Masonry".
- The structure consists of a skeleton frame. Erect masonry after structural framing supporting the level above is in place. Secure masonry to columns with galvanized dovetail anchors (or approved equal) in every second course.
- Use 50% solid, nominal 8x8x16, concrete masonry units conforming to ASTM C90. Block net area compressive strength shall be 1500 psi. Lay up units in running bond. Sawcut units which are not in multiples of 8". Units shall be at least 8" long. Bond corners by lapping ends 8" in successive vertical courses. Design of walls is based on a f'm of 1500 psi.
- Use Type S mortar in accordance with ASTM C270. Head and bed joints shall be 3/8" for the thickness of the face shell. Webs are to be fully mortared in the starting course and where an adjacent cell is to be grouted. Remove mortar protrusions extending 1/2" or more into cells to be grouted.
- Use standard (9 gauge) horizontal joint reinforcing in every other course. Joint reinforcing and anchors in exterior walls shall conform to ASTM A 153 Class B2, with a coating thickness of 1.50 oz/sf; conform to ASTM A 641 in interior walls. Overlap discontinuous ends 6". Use prefabricated corners and tees. Use truss type, except use ladder type in walls with vertical reinforcing. Extend joint reinforcing a minimum of 4" into tie columns.
- Use fine grout conforming to ASTM C-476, with a minimum compressive strength of 2500 psi in 28 days. Aggregate to conform to ASTM C404 for fine grout, with slump of 8" to 10". Grout all masonry containing reinforcing. Provide cleanout openings at the base of cells containing reinforcing steel to clean the cell and to tie the vertical bar to the dowel. In high-lift grouting, use 5'-0" (max.) lifts, with 1/2 hour to 1 hour between lifts. Vibrate each lift and reconsolidate the previous lift.
- Use ASTM A-615 Grade 60 reinforcing steel. Reinforce walls where indicated on the drawings and at all intersections, each side of openings and at the ends of walls.
- At bond/tie beam corners and intersections, place 1 #5 x 5'-0" T & B corner bar, with 30" legs each way, at the exterior face.
- Reinforced masonry wall construction shall be inspected by an Engineer or Architect in accordance with ACI 530.1/ASCE 6.
- Provide lintels or headers with min. 8" bearing over all masonry openings.

EXPANSION ANCHORS

- Use wedge-type expansion anchors such as the Hilti Kwik Bolt II, ITW Ramset Red Head Trubolt Wedge, Powers Rawl Power-Stud, Simpson Strong-Tie Wedge-All or accepted equivalent. Follow manufacturer's specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/8" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Provide anchor embedment, spacing and edge distance as shown on the Drawings.

CHEMICAL ADHESIVE FOR ANCHORING REINFORCING BARS, THREADED BARS AND ANCHOR BOLTS

- Use an epoxy, acrylic or polyester resin adhesive system such as the Hilti HIT HY150, ITW Romset/Red Head Epon A7 or C6 Injection System, Powers Rawl Power-Fast System, Simpson Strong-Tie AT or ETAlled Fastener Allied Gold A-1000, or accepted equivalent. Follow Manufacturer's Specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/8" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Refer to manufacturer's installation instructions for appropriate drill size. Thoroughly clean hole including removal of dust prior to filling with epoxy.
- Provide anchor embedment, spacing and edge distance as shown on the Drawings.
- Threaded rods are A-36 galvanized steel, u.o.n.

COMPONENTS & CLADDING WALL PRESSURES (psf)

ZONE	AREAS				
	10	20	50	100	500
FIELD	43	41	40	37	32
EDGE 5'	SS	S1	47	41	32

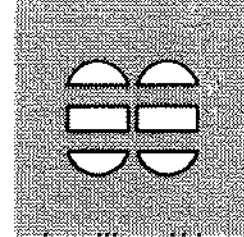
PRESSURES ARE BASED ON Kd=0.85 FDR USE WITH ASCE-7 LOAD COMBINATIONS

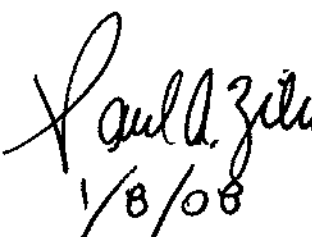
COMPONENTS & CLADDING ROOF PRESSURES (GROSS IN psf)

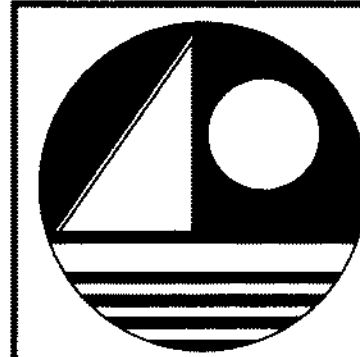
ZONE	AREAS			
	10	20	50	100-1000
FIELD	44	43	41	39
EDGE 5'	79	70	57	48
CORNER 5'	122	100	70	48

PRESSURES ARE BASED ON Kd=0.85 FDR USE WITH ASCE-7 LOAD COMBINATIONS

DRAWN BY:	D. GUERRERO
CHKD BY:	P. ZILLO
APP'D BY:	
ISSUE DATE:	NOV 08, 2007
REVISIONS:	No. DATE

MCHARRYASSOCIATES ARCHITECTURE/ENGINEERING/PLANNING Thomas M. Charrity, AIA John W. Thomas, AIA 0007490 AAG000868 EB0000862 0000079

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 1/8/08
SEAL



NOV 08, 2007 PERMIT SET

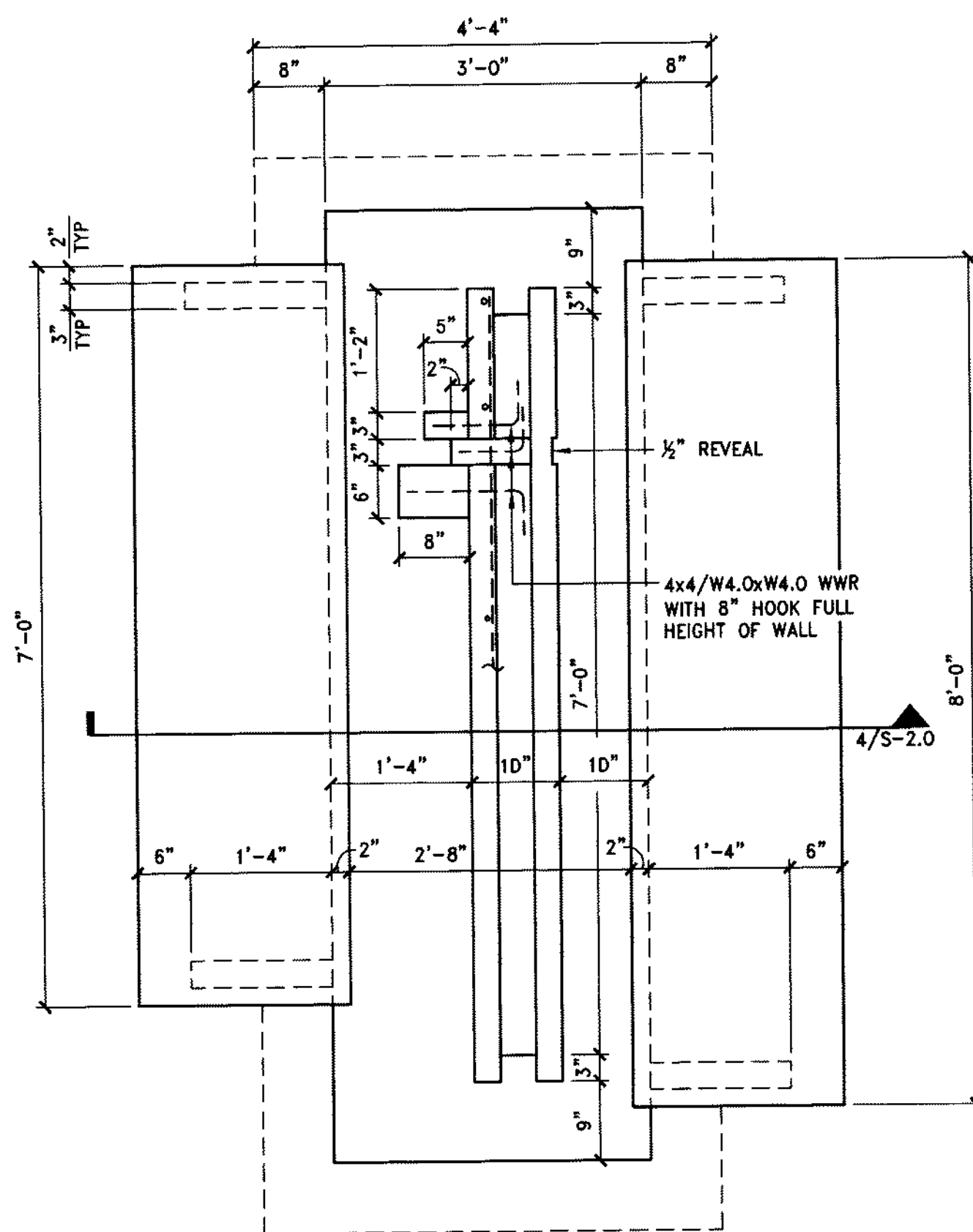
PROJECT TITLE:	COLLINS PARK CULTURAL CAMPUS PROJECT
	COLLINS PARK / ROTUNDA / STREETSCAPE
	MIAMI BEACH, FLORIDA
OWNER:	CITY OF MIAMI BEACH

DRAWING TITLE	STRUCTURAL NOTES
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK	

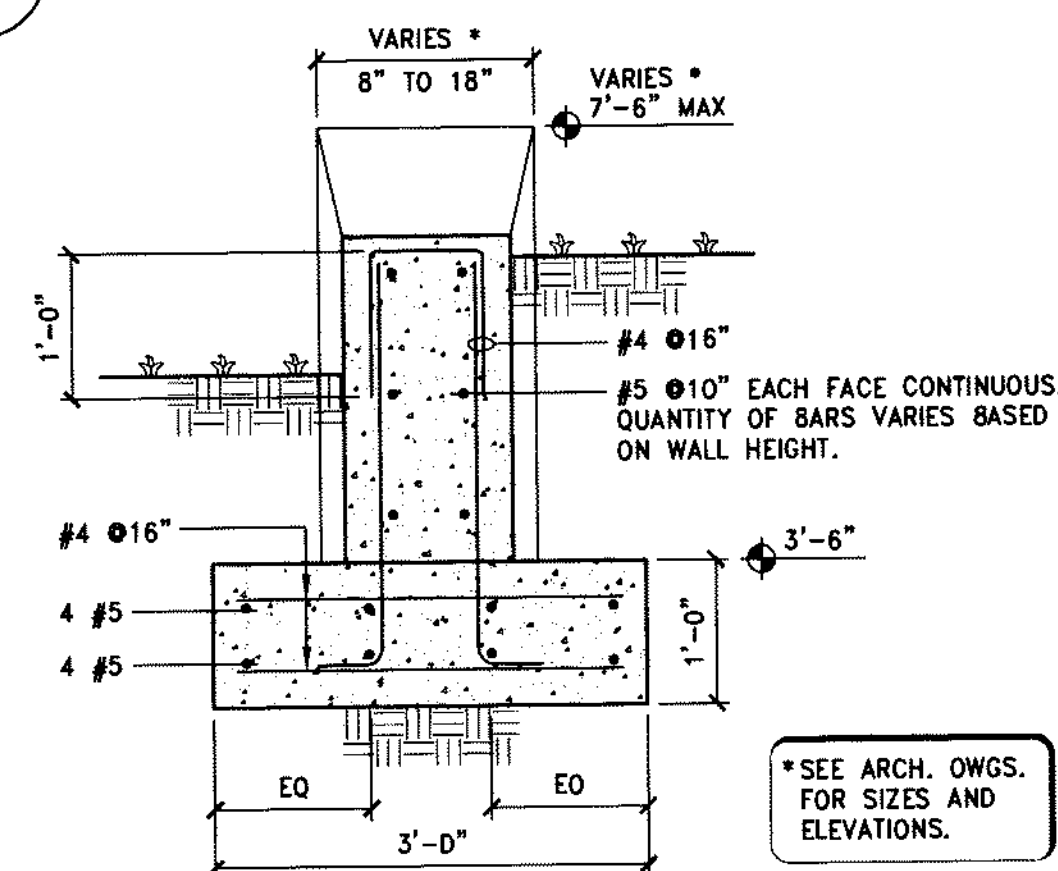
SHEET No.

S-1.0

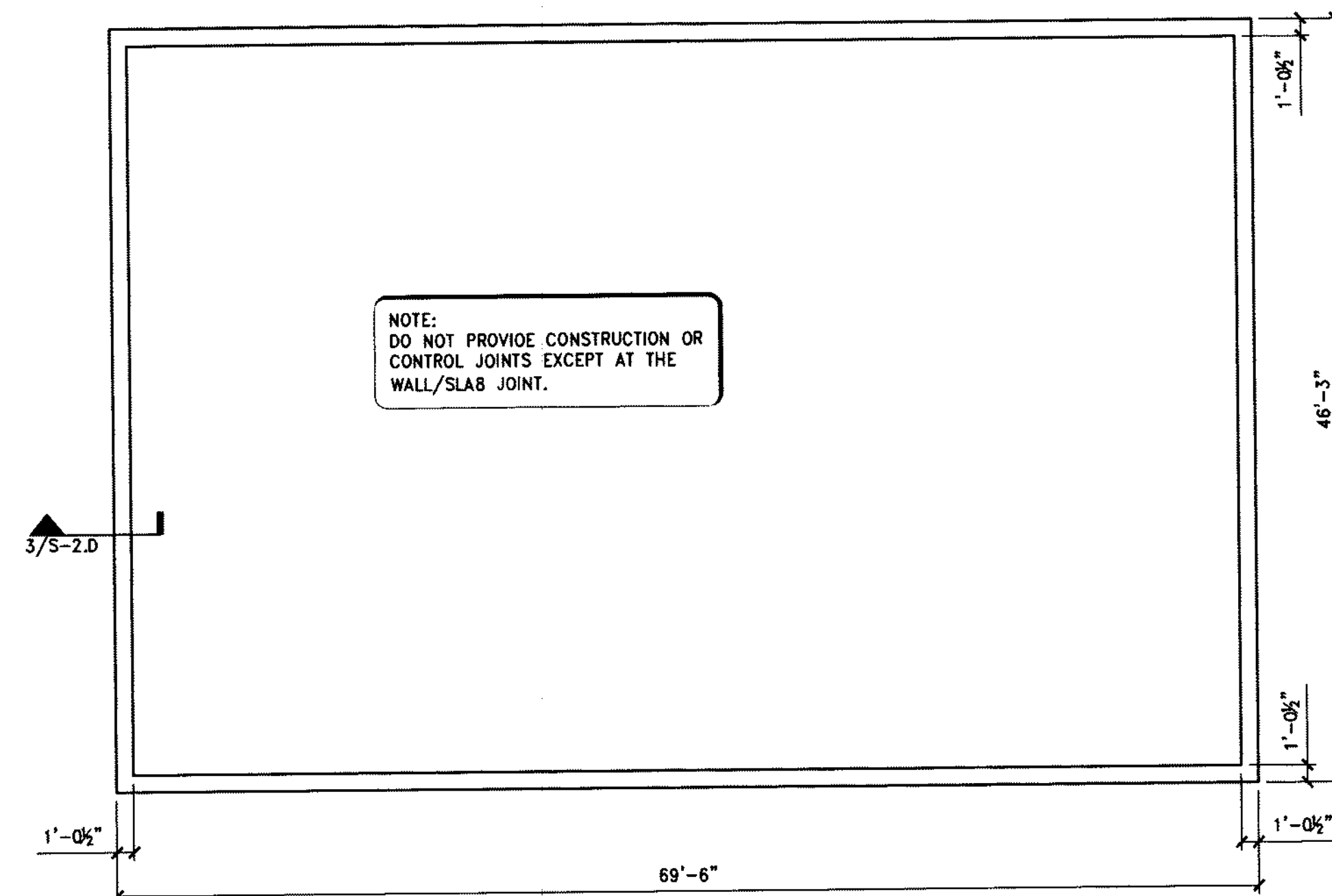

BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. CA 674
51 S.W. Le Jeune Road, Miami, Florida 33134
Tel. (305) 442-7086 Facsimile (305) 442-7092
www.bniengineers.com
Paul A. Zillo, P.E., Fla. Reg. No. 47013



1 FOUNTAIN PLAN

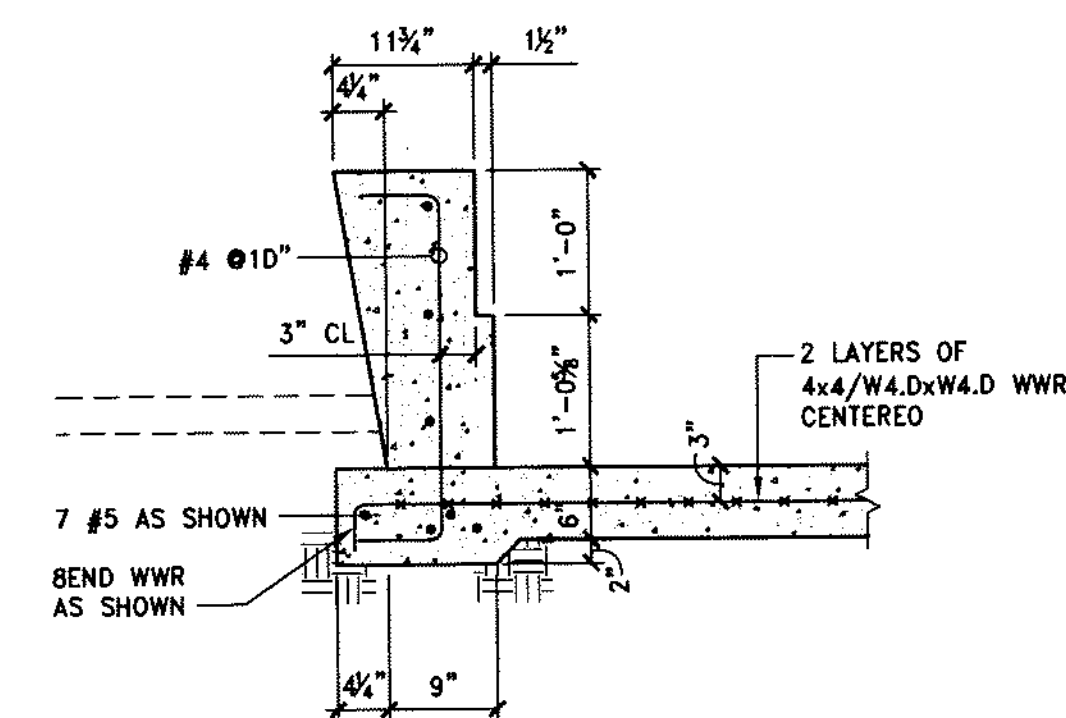


5 RETAINING WALL DETAIL
WEST OF COLLINS AVENUE

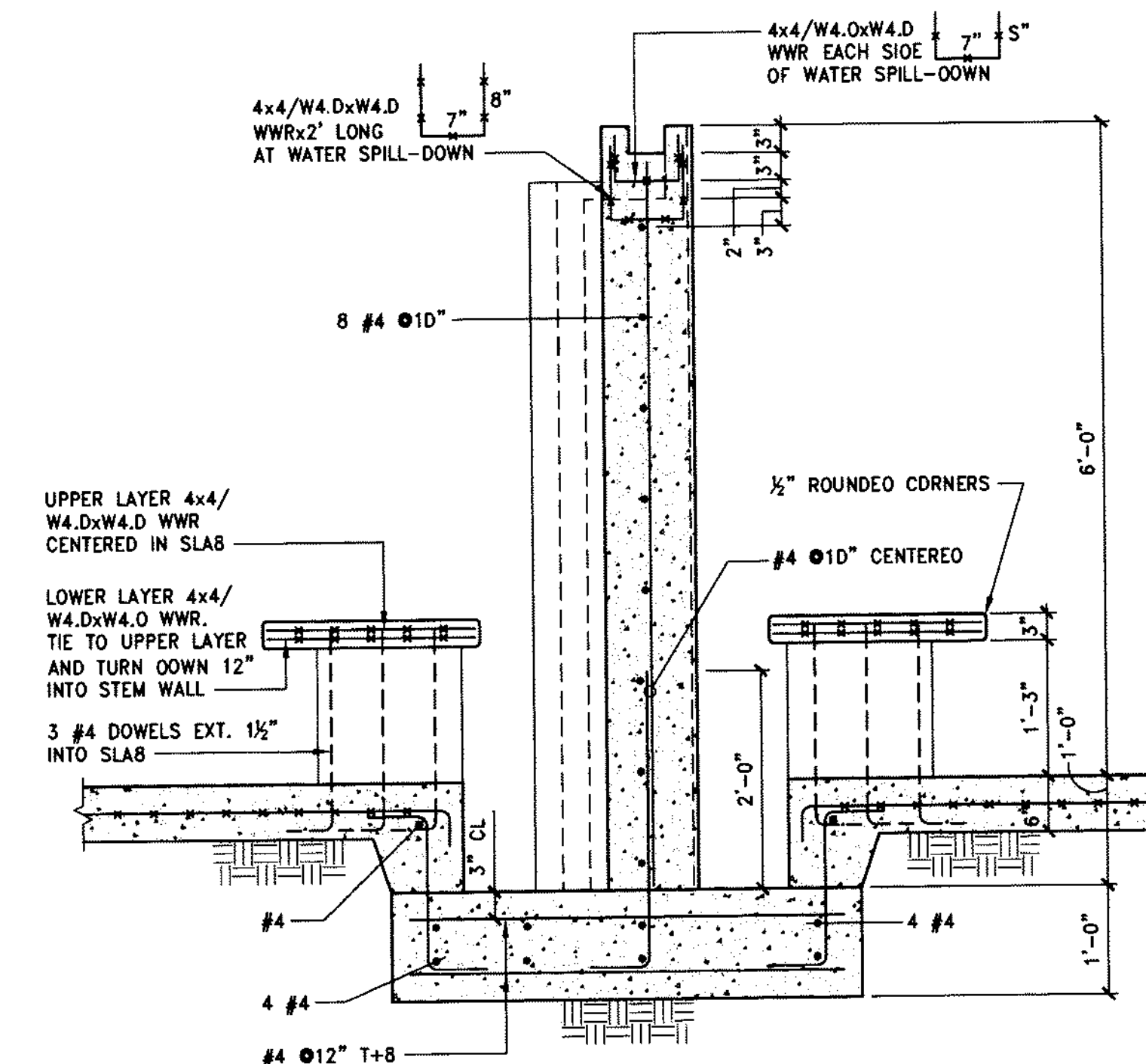


2 REFLECTING POOL PLAN

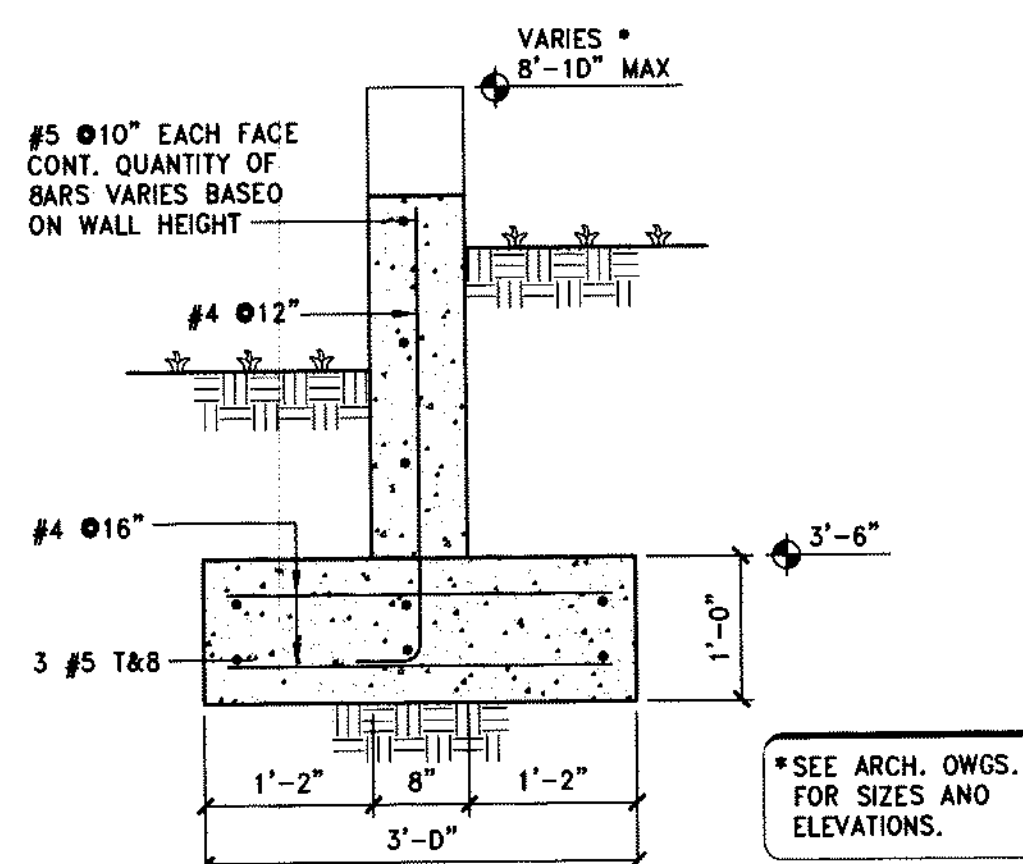
SCALE: 1/8"=1'-0"



3 REFLECTING POOL SECTION



4 FOUNTAIN SECTION



6 RETAINING WALL DETAIL
EAST OF COLLINS AVENUE

NOTE:
SEE ARCHITECTURAL AND
CIVIL DRAWINGS FOR LOCATIONS
AND BALANCE OF INFO.

Verifying: 9/13/08

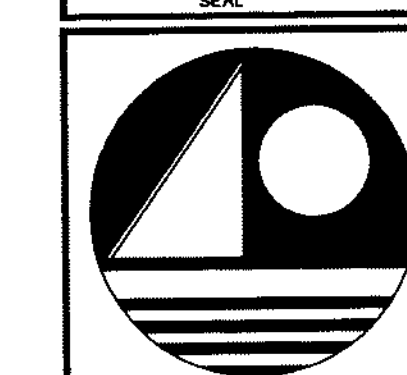


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CHKD BY:
P. ZILIO
APP'D BY:
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

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NOV 08, 2007 PERMIT SET

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

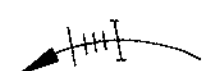
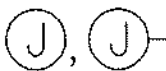
DRAWING TITLE:
STRUCTURAL PLANS AND DETAILS

SCALE: 3/4"=1'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK

SHEET No.

S-2.0

ELECTRICAL SYMBOLS AND LEGEND

	LIGHTING FIXTURE SCHEDULE TYPE "A"
	IN GROUND LIGHTING
	POLE ASSEMBLY
	COLOR KINETICS - COLOR BLAST 12 - (COLOR CHANGING LUMINAIRE - W/POWER SUPPLY AND CONTROLLER)
	1'X4' FLUORESCENT LIGHTING
	HOMERUN TO PANELBOARD. SHORT TICKS INDICATE PHASE CONDUCTORS & LONG TICK INDICATES NEUTRAL. LONG I TICK INDICATES GROUND CONDUCTOR.
	120/208V, 3Ø, 4W PANEL
	20A, 125V, 2P, 3W, GNDING TYPE DUPLEX RECEPTACLE MNT. 18" AFF UNLESS NOTED OTHERWISE.
	CEILING & WALL MOUNTED JUNCTION BOX, SIZE AS REQ. TO MEET NEC-370 (MINIMUM 4"x4"x2-1/2")
	20A, 120V SINGLE POLE SWITCH MTD. 48" AFF
	MOTOR RATED SWITCH WITH OVERLOAD PROTECTION EQUIP. MTD.

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS		VOLTS	MOUNTING	REMARKS
			Qty	Type			
SA	EXTERIEUR VERT	CT-T6-015-150-1-1-1-2-IC-P2-EV-JB2B-3/4-IC-CRS	1	150T6MH	120	RECESSED	IN GROUND TREE UPLIGHT
SB	EXTERIEUR VERT	CT-T6-XXX-150-1-1-1-2-IC-P2-EV-JB2B-3/4-IC-CRS	1	150T6MH	120	RECESSED	IN GROUD FAÇADE UPLIGHT
SC	LUMNIS	SP15PF	1	250HPS	120	POLE	POLE ASSEMBLY
SD	BEGA	8718MH	1	39WMH	120	RECESSED	IN GROUND WALL WASH LIGHT
SE	COLOR KINETICS	COLOR BLAST 12	1	LED	120	WALL	Color Changing Luminaire-w/Power Supply and Controller
SF	EXTERIEUR VERT	NEPT 1	1	50MR16	120	WATER	UNDER WATER LUMINAIRE-Remote Transformer
SG	GARDCO	BR800-100HPS	1	100HPS	120	POLE	PATHWAY LUMINAIRE
SH	TOKISTAR	AOL-3-101-TRANS-ACCESS	1	5W XEN	120	SURFACE	LINEAR LOW VOLTAGE- Length Per Plan-Remote Transformer
SI	BEGHELLI	BS100-232-SA	2	F032T8-35K	120	SURFACE	4' FLUORESCENT W/INTEGRAL BATTERY
SJ	GARDCO	G18-4XL-400PSMH	1	400MH	208	POLE	PARKING LOT LIGHTING
SK	GARDCO	G18-4XL-400PSMH	2	400MH	208	POLE	PARKING LOT LIGHTING
SL	DAYBRITE	DWAE232-120	2	32WT8	120	SURFACE	ROTUNDA LTG
SM	CAPRI	FRD10IC	1	13W LAMP	120	CEILING	ROTUNDA LTG

- LIGHTING NOTES:
1. PROVIDE ALL FLUORESCENT FIXTURES WITH T-8 LAMPS AND T-8 ELECTRONIC BALLASTS.
 2. ELECTRONIC BALLASTS SHALL HAVE A TOTAL HARMONIC DISTORTION (THD) OF NOT MORE THAN 10%.
 3. COORDINATE ALL LIGHTING FIXTURES WITH ARCHITECTUAL DRAWINGS.

- GENERAL ELECTRICAL NOTES:
1. ALL MATERIALS AND/OR EQUIPMENT SHALL BEAR THE LABEL OF THE UNDERWRITER'S LABORATORIES (UL) AND SHALL BE MATERIAL APPROVED FOR USE BY LOCAL CODE ENFORCING AUTHORITIES.
 2. ALL WORK SHALL COMPLY WITH THE 2002 EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA 72 1999 ED, AND THE FLORIDA BUILDING CODE.
 3. ANY AND ALL ITEMS NOT SPECIFICALLY MENTIONED IN THE DRAWINGS OR THE CONTRACT SPECIFICATIONS BUT WHICH ARE OBVIOUSLY NECESSARY FOR A COMPLETE WORKING INSTALLATION SHALL BE INCLUDED .
 4. PRIOR TO SUBMITTING A PROPOSAL, THE CONTRACTOR IS REQUIRED TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE PROPOSED WORK AND ANY LOCAL CONDITIONS WHICH MAY IN ANY WAY AFFECT THE WORK TO BE DONE. SINCE THE WORK INVOLVES EXISTING UNITS, SYSTEMS AND FACILITIES, SLIGHT VARIATION OF ROUTING ALONG WITH BUILDING STRUCTURE SHOULD BE ANTICIPATED TO AVOID CONFLICTS.
 5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES ENCOUNTERED DURING THE COURSE OF THIS SITE VISIT.
 6. ALL CONDUCTORS SHALL BE COPPER, THWN/THHN, #12 AWG MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
 7. PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL.
 8. THE CONTRACTOR SHALL SATISFACTORY REPAIR OR REPLACE EQUIPMENT OR AREAS DAMAGED AS A RESULT OF HIS WORK.

DRAWN BY: AM
CHKD BY: MM
APP'D BY:
ISSUE DATE:
NOV 08, 2007
REVISIONS:
No. DATE

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(305) 443-5944 (FAX)
EB-00003791
www.sdmcorp.com

PROJECT TITLE:
COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER:
CITY OF MIAMI BEACH

DRAWING TITLE:
ELECTRICAL SYMBOLS AND
LIGHTING SCHEDULE
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AT SITE BEFORE PROCEEDING WITH WORK
SCALE:

SHEET No
E-10

Conny 9/8/08

NOV 08, 2007 PERMIT SET



SCALE: 1/32" = 1'-0"

SHEET No.

E-1.1

SCALE: $1\frac{1}{2}" = 1'-0"$

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

E-1.1

Copy: 8/16/08

 NORTH

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SDM
CONSULTING ENGINEERS

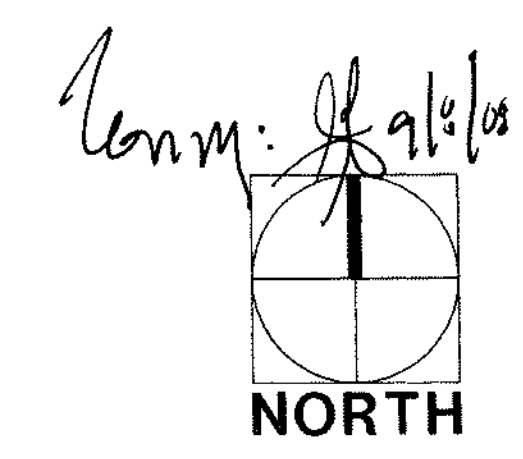
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(305) 443-5944 (FAX)
EB-00003791
www.sdmcorp.com

PROJECT TITLE:	COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA
OWNER:	CITY OF MIAMI BEACH

SHEET No.

E-1.2

Numeric Summary: COLLINS PARK MIAMI BEACH PARKING					
Label	Avg	Max	Min	Avg/Min	Max/Min
SIDEWALK_2_Planar	2.38	5.9	0.2	11.90	29.50
LIBERTY AVENUE SIDEWALK	4.48	14.6	0.0	NA	NA
PARKING_Planar	3.35	11.6	1.1	3.05	10.55



MCHARRY ASSOCIATES
ARCHITECTURE/ENGINEERING/PLANNING
Thomas M. Carlson, AIA James W. Persol, AIA
0007420 AAC00986 EB0003863 0068078



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JOSE I. MARTINEZ P.E.
MECHANICAL ENGINEER
LICENSE NO. 65779



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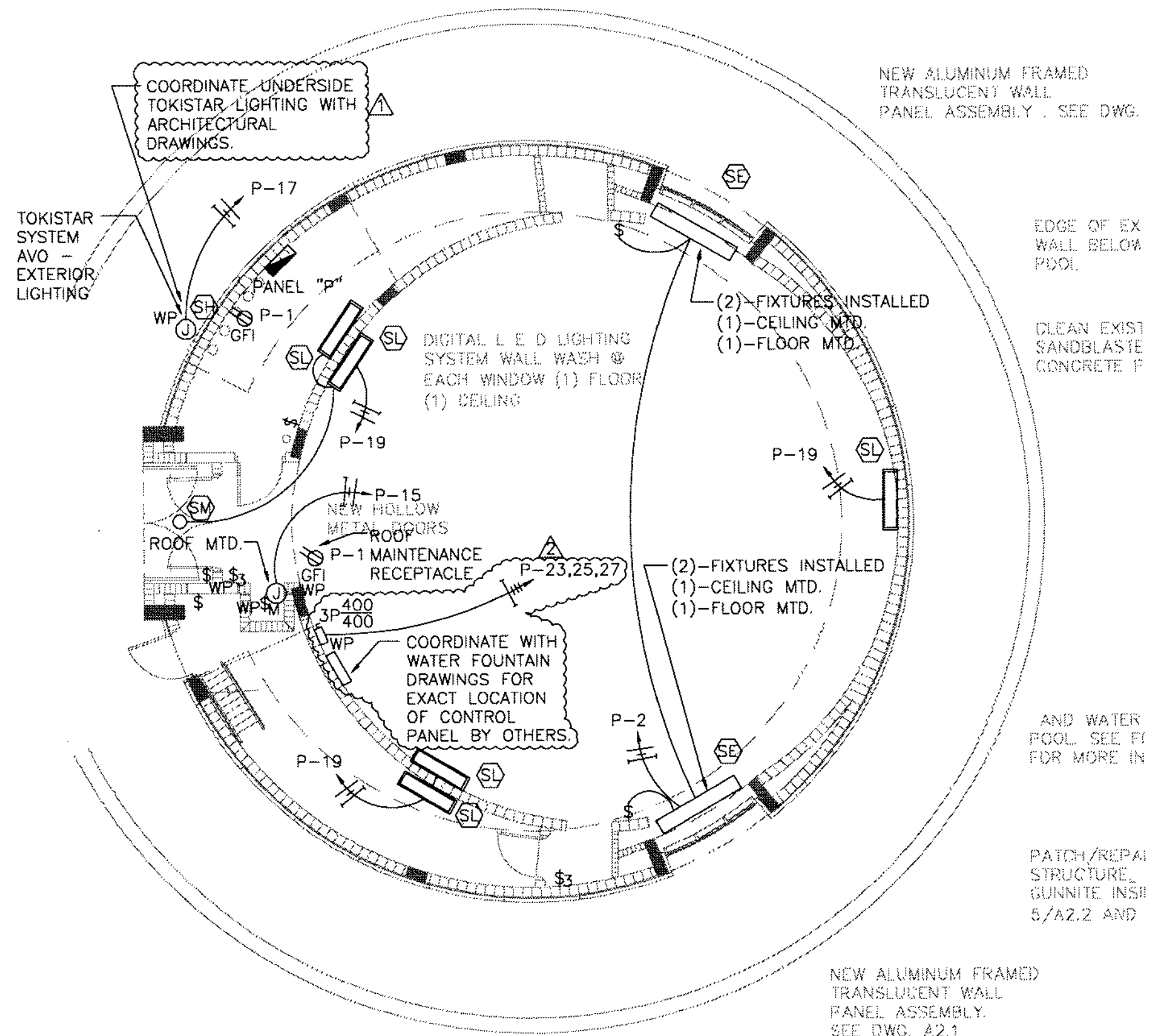
PROJECT TITLE:	COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA
OWNER:	CITY OF MIAMI BEACH

ROTUNDA LIGHTING PLAN

SCALE: 1/8" = 1'-0"

SHEET No.

E-1.3



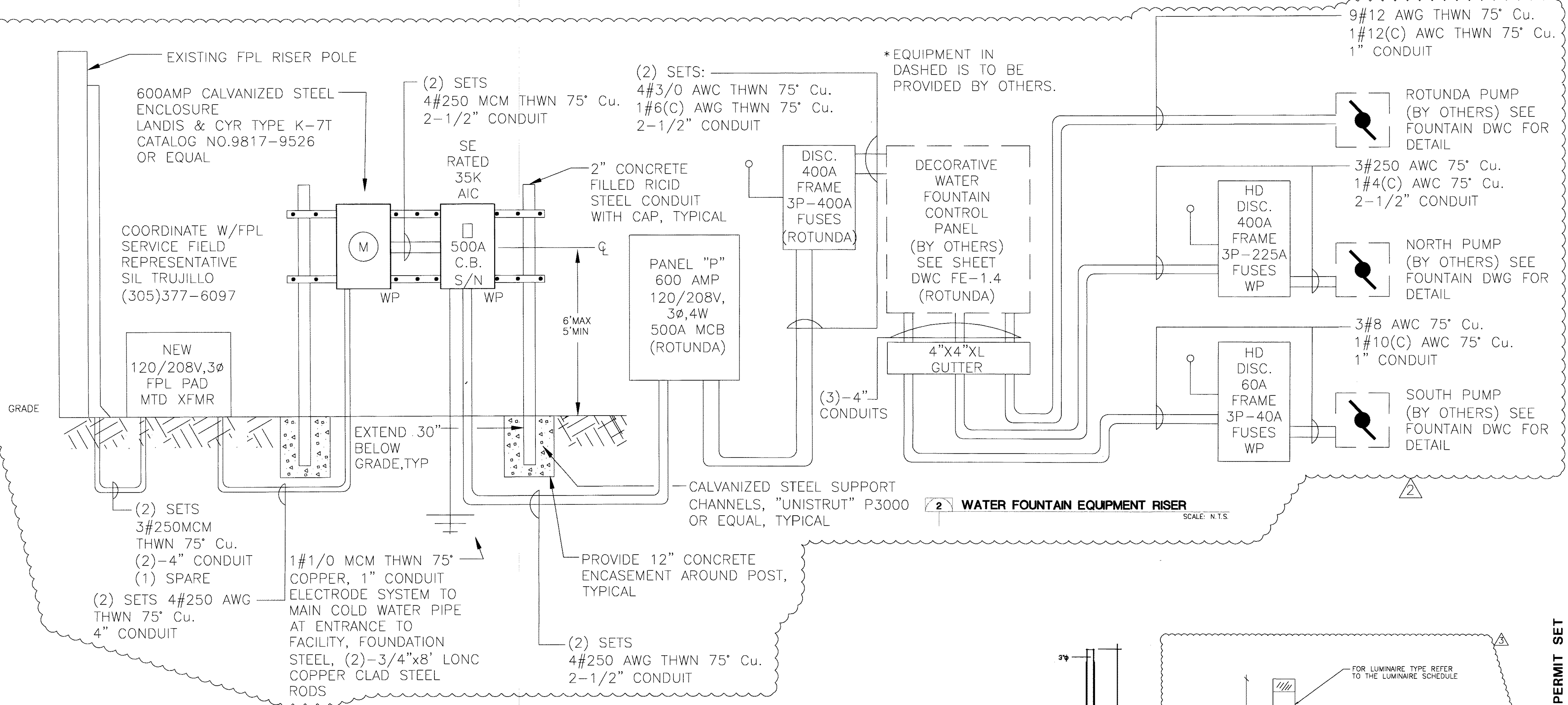
1 ROTUNDA LIGHTING PLAN

SCALE: 1/8"=1'-0"

Conn. 9/8/08



NORTH



1 EXTERIOR PANEL AND METER DETAIL
SCALE: N.T.S.

EQUAL TO SQUARE 12"

VOLTAGE: 120/208V, 3Ø, 4W

TYPE: NQDD

MOUNTING: SURFACE, NEMA 1

PANEL "P"

ROTUNDA BUILDING

MAIN BUS RATING: 600 AMP

TYPE MAINS: 500A MCB

IDENTIFICATION	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	AMPS TRIP C.B.	POLES	CIR. NO.	WIRE	CONDUIT	CONDUIT WIRE	CIR. NO.	POLES	AMPS TRIP C.B.	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	IDENTIFICATION
GFI RECEPTACLE	180			20	1	1	12 3/4"	3/4"	12	2	1	20	750			ROTUNDA LIGHTING
SITE LIGHTING		1125		20	1	3	10 3/4"	3/4"	10	4	1	20		450		SITE LIGHTING
SITE LIGHTING			1500	20	1	5	10 3/4"	3/4"	10	6	1	20			1500	SITE LIGHTING
SITE LIGHTING	1125			20	1	7	10 3/4"	3/4"	10	8	1	20	1500			SITE LIGHTING
SITE LIGHTING		1500		20	1	9	10 3/4"	3/4"	10	10	1	20		500		SITE LIGHTING
SITE LIGHTING			1562	20	1	11	10 3/4"	3/4"	10	12	1	20		500		SCULPTURED LIGHTING
SITE LIGHTING	1562			20	1	13	10 3/4"	3/4"	10	14	1	20	360			GFI RECEPTACLES
EXHAUST FAN		500		20	2	15	10 3/4"	3/4"	12	16	1	20				
ROTUNDA FOUNTAIN LYG			1500			17		3/4"	12	18	1	20				-
ROTUNDA LIGHTING	640			20	2	19	10 3/4"	3/4"	12	20	1	20				-
-				20	1	21	10 3/4"	3/4"	12	22	1	20				-
WATER FOUNTAIN CONTROL PANEL			35400			23	(2) 3/4"	(2) 3/4"	12	24	1	20				-
	35400			400	3	25	SETS 3/0	SETS 3/4"	12	26	1	20				-
		35400				27	3/0 2-1/2"	3/4"	12	28	1	20				-
				20	1	29	12 3/4"	3/4"	12	30	1	20				-
-				20	1	31	12 3/4"	3/4"	12	32	1	20				-
-				20	1	33	12 3/4"	3/4"	12	34	1	20				-
-				20	1	35	12 3/4"	3/4"	12	36	1	20				-
-				20	1	37	12 3/4"	3/4"	12	38	1	20				-
-		-		20	1	39	12 3/4"	3/4"	12	40	1	20				-
-				20	1	41	12 3/4"	3/4"	12	42	1	20				-

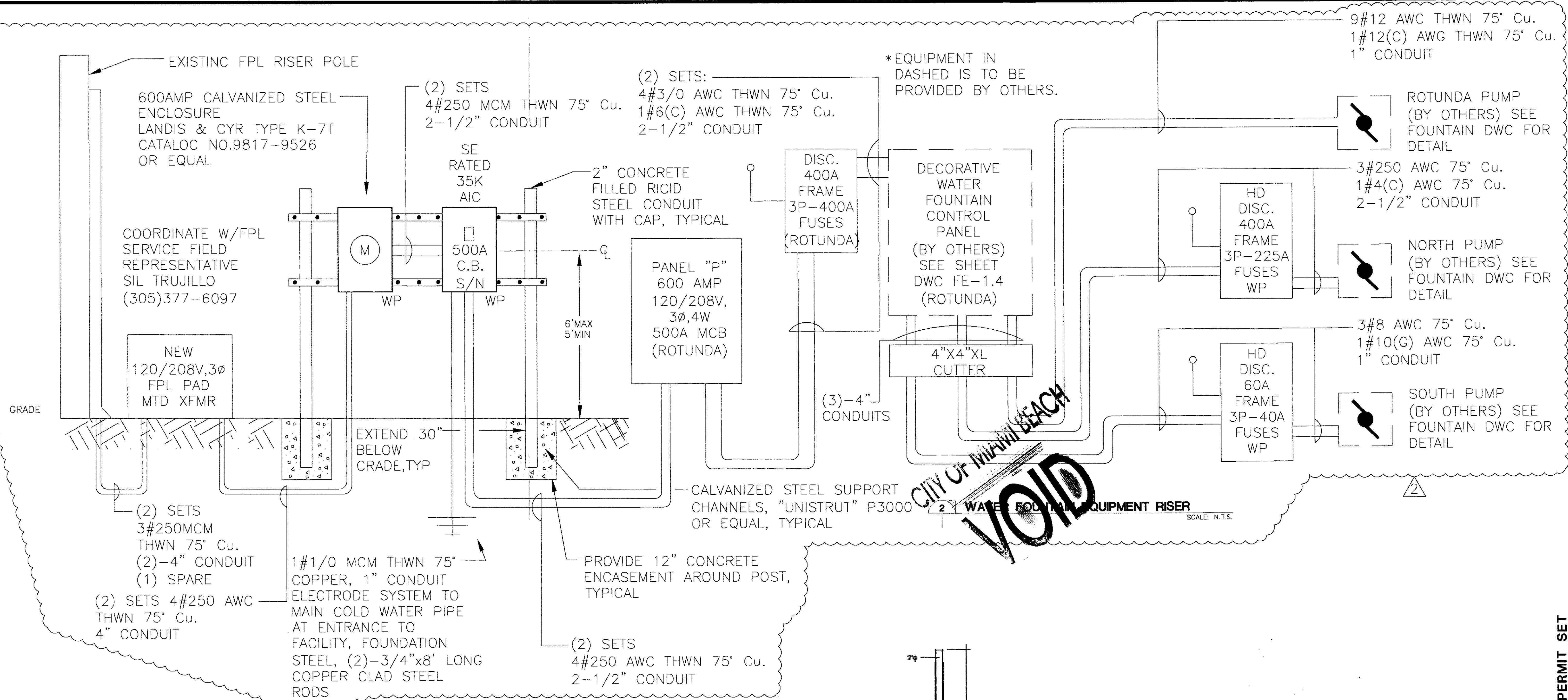
TOTAL VA "A" PHASE 41517

TOTAL VA "B" PHASE 39475

TOTAL VA "C" PHASE 41962

TOTAL CONNECTED KVA: 123.0 (341 AMPS)

TOTAL DEMANDED KVA:



1 EXTERIOR PANEL AND METER DETAIL

SCALE: N.T.S.

EQUAL TO: SQUARE D

TYPE: NQDD

MOUNTING: SURFACE, NEMA 1

PANEL "P" ROTUNDA BUILDING

VOLTAGE: 120/208V, 3Ø, 4W

MAIN BUS RATING: 600 AMP

TYPE MAINS: 500A MCB

IDENTIFICATION	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	AMPS TRIP C.B.	POLES	CIR. NO.	WIRE	CONDUIT	WIRE	CIR. NO.	POLES	AMPS TRIP C.B.	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	IDENTIFICATION
GFI RECEPTACLE	180			20	1	1	12 3/4"	3/4"	12	2	1	20	750			ROTUNDA LIGHTING
SITE LIGHTING		1125		20	1	3	10 3/4"	3/4"	10	4	1	20		450		SITE LIGHTING
SITE LIGHTING			1500	20	1	5	10 3/4"	3/4"	10	6	1	20		1500		SITE LIGHTING
SITE LIGHTING	1125			20	1	7	10 3/4"	3/4"	10	8	1	20	1500			SITE LIGHTING
SITE LIGHTING		1500		20	1	9	10 3/4"	3/4"	10	10	1	20		500		SITE LIGHTING
SITE LIGHTING			1562	20	1	11	10 3/4"	3/4"	10	12	1	20		500		SCULPTURED LIGHTING
SITE LIGHTING	1562			20	1	13	10 3/4"	3/4"	10	14	1	20	360			GFI RECEPTACLES
EXHAUST FAN		500		20	2	15	10 3/4"	3/4"	12	16	1	20				
ROTUNDA FOUNTAIN LTG.		1500		20	2	17	10 3/4"	3/4"	12	18	1	20				
ROTUNDA LIGHTING	640			20	2	19	10 3/4"	3/4"	12	20	1	20				
				20	1	21	10 3/4"	3/4"	12	22	1	20				
				20	1	23	(2) 3/4"	(2) 3/4"	12	24	1	20				
				20	1	25	3/4"	3/4"	12	26	1	20				
				20	1	27	3/4"	3/4"	12	28	1	20				
				20	1	29	12 3/4"	3/4"	12	30	1	20				
				20	1	31	12 3/4"	3/4"	12	32	1	20				
				20	1	33	12 3/4"	3/4"	12	34	1	20				
				20	1	35	12 3/4"	3/4"	12	36	1	20				
				20	1	37	12 3/4"	3/4"	12	38	1	20				
				20	1	39	12 3/4"	3/4"	12	40	1	20				
				20	1	41	12 3/4"	3/4"	12	42	1	20				

TOTAL VA "A" PHASE 41517 TOTAL VA "B" PHASE 39475 TOTAL VA "C" PHASE 41962

TOTAL CONNECTED KVA: 123.0 (341 AMPS) TOTAL DEMANDED KVA:

3 ELECTRICAL PANEL

SCALE: N.T.S.

4 LIGHT POLE DETAIL

SCALE: N.T.S.

5 ANCHOR BASE (AB-5-T-S)

SCALE: N.T.S.

DRAWN BY: AN

CHKD BY: MM

APP'D BY:

ISSUE DATE: NOV 08, 2007

REVISIONS: No. DATE

01-22-08

MCHARRY ASSOCIATES

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PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT COLLINS PARK / ROTUNDA / STREETSCAPE MIAMI BEACH, FLORIDA

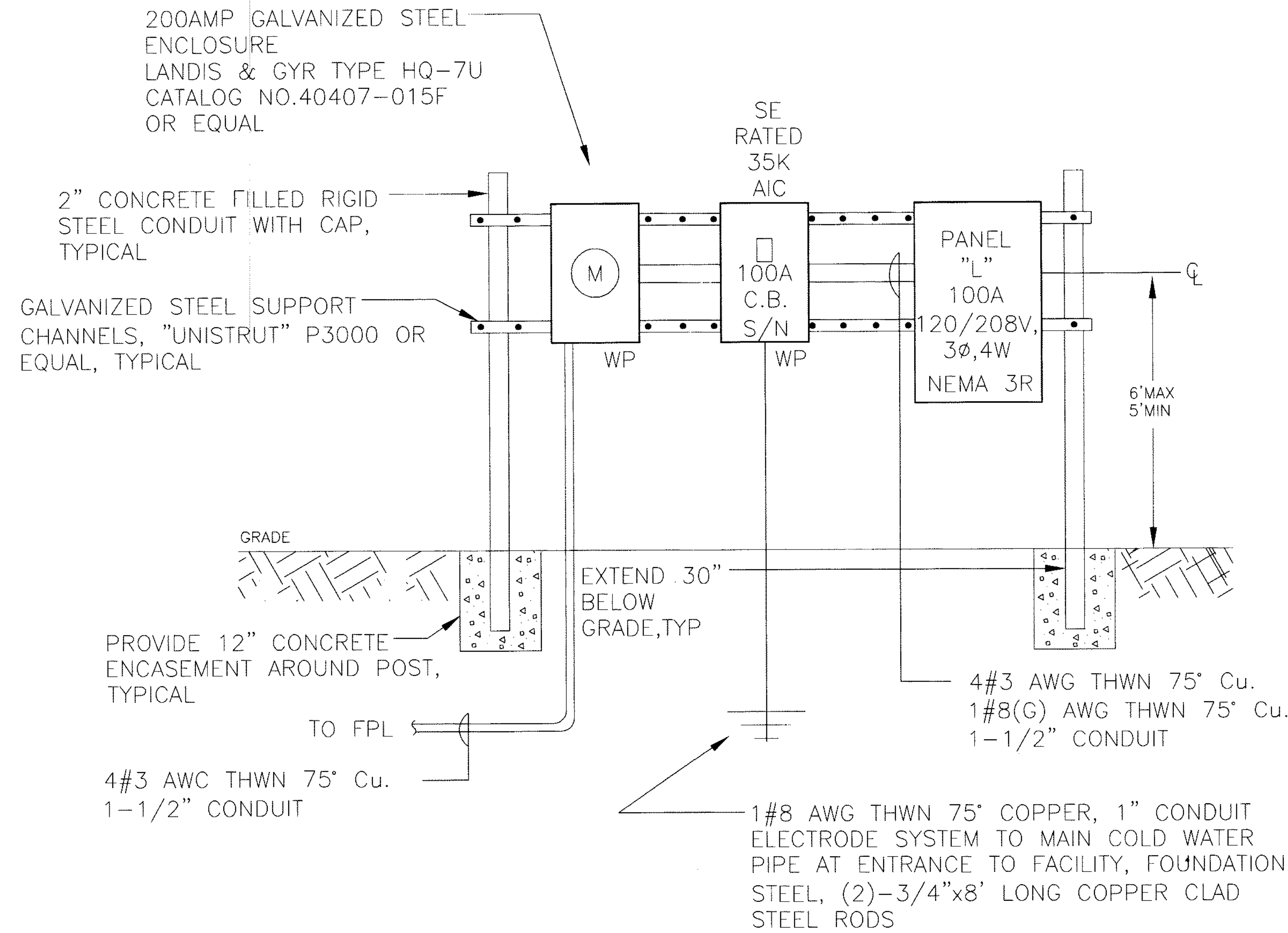
OWNER: CITY OF MIAMI BEACH

ELECTRICAL RISER ELECTRICAL PANEL SCHEDULE

SCALE: 1/8" = 1'-0"

NOTE: CONSULTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK

SHEET No. E-14



1 EXTERIOR PANEL AND METER DETAIL
SCALE: N.T.S.

EQUAL TO SQUARE 17

VOLTAGE 120/208V 3Ø 4W

TYPE NQSD

PANEL "L"

MAIN BUS RATING 100 AMP

MOUNTING SURFACE NEMA 1

ROTUNDA BUILDING

TYPE MAINS 100A MCB

IDENTIFICATION	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	AMPS TRIP C.B.	POLES	CIR NO.	WIRE	CON-DUT	CON-DUT	WIRE	CIR NO.	POLES	AMPS TRIP C.B.	"A" VA LOAD	"B" VA LOAD	"C" VA LOAD	IDENTIFICATION
PARKING LOT LIGHTING	1000	1000		20	2	1	10	3/4"	3/4"	10	2	2	20	2000	2000		PARKING LOT LIGHTING
PARKING LOT LIGHTING			1406	20	1	5	10	3/4"	3/4"	10	6	1	20			1406	PARKING LOT LIGHTING
PARKING LOT LIGHTING	1406			20	1	7	10	3/4"	3/4"	10	8	1	20	1406			PARKING LOT LIGHTING
PARKING LOT LIGHTING		1000		20	2	9	10	3/4"	3/4"	10	10	2	20		2000	2000	PARKING LOT LIGHTING
PARKING LOT LIGHTING	1875			20	1	13	10	3/4"	3/4"	10	14	1	20	1500			PARKING LOT LIGHTING
PARKING LOT LIGHTING		1875		20	1	15	10	3/4"	3/4"	10	16	1	20		1500		PARKING LOT LIGHTING
PARKING LOT LIGHTING			500	20	1	17	10	3/4"			18	1	20				
					1	19	10				20	1	20				

TOTAL VA "A" PHASE 9187 TOTAL VA "B" PHASE 9375 TOTAL VA "C" PHASE 6312

TOTAL CONNECTED KVA 24.9 (69 AMPS) TOTAL DEMANDED KVA (X AMPS)

2 ELECTRICAL PANEL
SCALE: N.T.S.

Conny J 9/6/08

DRAWN BY: AM
CHKD BY: MM
APP'D BY: MM
ISSUE DATE: NOV 08, 2007
REVISIONS: No DATE

MCHARRY ASSOCIATES
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NOV 08, 2007 PERMIT SET

PROJECT TITLE: COLLINS PARK CULTURAL CAMPUS PROJECT
COLLINS PARK / ROTUNDA / STREETSCAPE
MIAMI BEACH, FLORIDA
OWNER: CITY OF MIAMI BEACH

DRAWING TITLE: ELECTRICAL PANEL
ELECTRICAL PANEL SCHEDULE
SCALE: 1/8" = 1'-0"
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE PROCEEDING WITH WORK.

SHEET No: E-15