PLANNING DIVISION

2600 Hollywood Boulevard Room 315
Hollywood, FL 33022

File No. (internal use only): _____

GENERAL APPLICATION

CITY OF Hollywood FLORIDA

Tel: (954) 921-3471
Fax: (954) 921-3347

This application must be completed in full and submitted with all documents to be placed on a Board or Committee's agenda.

The applicant is responsible for obtaining the appropriate checklist for each type of application.

Applicant(s) or their authorized legal agent must be present at all Board or Committee meetings.

At least one set of the submitted plans for each application must be signed and sealed (i.e. Architect or Engineer).

Documents and forms can be accessed on the City's website at

http://www.hollywoodfl.org/DocumentCenter/Home/View/21

APPLICATION TYPE (CHECK ONE):

- [x] Technical Advisory Committee
- [ ] Historic Preservation Board
- [ ] City Commission
- [ ] Planning and Development Board

Date of Application: 9-17-18

Location Address: 1907 NORTH SURF RD

Lot(s): 3 & 4 Block(s): 8 Subdivision: Hollywood Beach First

Folio Number(s): 5142 1201 1220

Zoning Classification: BWK-25-HD-C Land Use Classification: COMMERCIAL

Existing Property Use: HOTEL / MOTEL Sq Ft/Number of Units: 9

Is the request the result of a violation notice? ( ) Yes (✓) No If yes, attach a copy of violation.

Has this property been presented to the City before? If yes, check al that apply and provide File Number(s) and Resolution(s): PACO , PRELIM. TAC

- [ ] Economic Roundtable
- [x] Technical Advisory Committee
- [ ] Historic Preservation Board
- [ ] City Commission
- [ ] Planning and Development

Explanation of Request: FINAL TAC REVIEW OF A NEW 17,462 SF MIXED USE BUILDING

Number of units/rooms: N/A Sq Ft: 17,462

Value of Improvement: _____ Estimated Date of Completion: 6/2020

Will Project be Phased? ( ) Yes (✓) No If Phased, Estimated Completion of Each Phase

Name of Current Property Owner: DMR PARADISE INC.

Address of Property Owner: 18 ERICA RD. THORNHILL ONT. CANADA L4J2G1

Telephone: 416 930 4719 Fax: _____ Email Address: petrogold@rogers.com

Name of Consultant/Representative/Tenant (circle one): JOSEPH B. KALLER

Address: 2417 HOLLYWOOD BLVD Telephone: 9549205746

Fax: 9549262841 Email Address: joseph@kallerarchitects.com

Date of Purchase: 8/28/18 Is there an option to purchase the Property? Yes ( ) No ( )

If Yes, Attach Copy of the Contract.

List Anyone Else Who Should Receive Notice of the Hearing: _____

_____ Address: _____

_____ Email Address: _____

PLANNING DIVISION

2600 Hollywood Boulevard Room 315
Hollywood, FL 33022

File No. (internal use only): _____

GENERAL APPLICATION

CERTIFICATION OF COMPLIANCE WITH APPLICABLE REGULATIONS

The applicant/owner(s) signature certifies that he/she has been made aware of the criteria, regulations and guidelines applicable to the request. This information can be obtained in Room 315 of City Hall or on our website at www.hollywoodfl.org. The owner(s) further certifies that when required by applicable law, including but not limited to the City's Zoning and Land Development Regulations, they will post the site with a sign provided by the Office of Planning and Development Services. The owner(s) will photograph the sign the day of posting and submit photographs to the Office of Planning and Development Services as required by applicable law. Failure to post the sign will result in violation of State and Municipal Notification Requirements and Laws.

(I)(We) certify that (I) (we) understand and will comply with the provisions and regulations of the City's Zoning and Land Development Regulations, Design Guidelines, Design Guidelines for Historic Properties and City's Comprehensive Plan as they apply to this project. (I)(We) further certify that the above statements and drawings made on any paper or plans submitted herewith are true to the best of (my)(our) knowledge. (I)(We) understand that the application and attachments become part of the official public records of the City and are not returnable.

Signature of Current Owner: _____ Date: Sept / 12 / 18

PRINT NAME: GIL SILCLYAN. Date: Sept / 12 / 18

Signature of Consultant/Representative: _____ Date: 9-12-18

PRINT NAME: JOSEPH B. KALLER Date: 9-12-18

Signature of Tenant: _____ Date: _____

PRINT NAME: _____ Date: _____

Current Owner Power of Attorney

I am the current owner of the described real property and that I am aware of the nature and effect the request for _____ to my property, which is hereby made by me or I am hereby authorizing _____ to be my legal representative before the _____ (Board and/or Committee) relative to all matters concerning this application.

Sworn to and subscribed before me
this 12th day of September

JACK FRYMER
Notary Public
~~State of Florida~~ PROVINCE OF ONTARIO, CANADA
My Commission Expires: N/A (Check One) ___ Personally known to me; OR ___ Produced Identification _____

_____
Signature of Current Owner

GIL SILCLYAN.
Print Name

1907 N. Surf Road

HOLLYWOOD FLORIDA

PROJECT INFO:

THREE STORY MIXED USE (RETAIL/ RESTAURANT) BUILDING

LEGAL DESCRIPTION

LOTS 3 AND 4, BLOCK 8, "HOLLYWOOD BEACH FIRST ADDITION", ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

Florida Department of State

DIVISION OF CORPORATIONS

Department of State / Division of Corporations / Search Records / Detail By Document Number /

Detail by Entity Name

Florida Profit Corporation
DMR PARASIDE INC.

Filing Information

Document Number	P18000020529
FEI/EIN Number	NONE
Date Filed	03/05/2018
State	FL
Status	ACTIVE

Principal Address

200 E. PALMETTO PARK ROAD, SUITE 103
BOCA RATON, FL 33432

Mailing Address

200 E. PALMETTO PARK ROAD, SUITE 103
BOCA RATON, FL 33432

Registered Agent Name & Address

SG REGISTERED AGENTS LLC
200 E. PALMETTO PARK ROAD, SUITE 103
BOCA RATON, FL 33432

Officer/Director Detail

Name & Address

Title DIR

SCHOLYAR, GIL
200 E. PALMETTO PARK ROAD, SUITE 103
BOCA RATON, FL 33432

Annual Reports

No Annual Reports Filed

Document Images

03/05/2018 -- Domestic Profit | View image in PDF format

MARTY KIAR
BROWARD COUNTY
PROPERTY APPRAISER

Site Address	1907 N SURF ROAD, HOLLYWOOD FL 33019	ID #	5142 12 01 1220
Property Owner	DMR PARADISE INC	Millage	0513
Mailing Address	18 ERICA RD *THORNHILL ON CA L4J 2G1	Use	39
Abbr Legal Description	HOLLYWOOD BEACH FIRST ADD 1-31 B LOT 3,4 BLK 8		

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2018	$664,560	$1,153,020	$1,817,580	$1,752,550	
2017	$664,560	$928,670	$1,593,230	$1,593,230	$35,241.43
2016	$664,560	$928,670	$1,593,230	$1,593,230	$35,937.03

2018 Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$1,817,580	$1,817,580	$1,817,580	$1,817,580
Portability	0	0	0	0
Assessed/SOH	$1,752,550	$1,817,580	$1,752,550	$1,752,550
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type	0	0	0	0
Taxable	$1,752,550	$1,817,580	$1,752,550	$1,752,550

Sales History

Date	Type	Price	Book/Page or CIN
8/28/2018	SWD	$3,175,000	115308738
6/30/2011	WD-Q	$1,500,000	48014 / 92
10/5/2000	WD	$100	30937 / 1506
3/24/1999	QCD	$100	29511 / 1509
3/18/1999	WD	$675,000	29345 / 1364

Land Calculations

Price	Factor	Type
$100.07	6,641	SF
Adj. Bldg. S.F. (Card, Sketch)		3892
Units		9
Eff./Act. Year Built: 1960/1947		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
05								
C								
3892								

KallerArchitecture

June 14, 2018

City of Hollywood
Planning Department
2600 Hollywood Blvd.
Hollywood, Fl 33020

Re: 1907 N. Surf Road
Hollywood, Fl 33019
Our Job #18063
TAC #18-DP-31

The following are responses to preliminary TAC comments.

A. <u>APPLICATION SUBMITTAL</u> – Fitz Murphy 954-921-3471

1. Cover Sheet
   a) All sheets now listed.
   b) Property address has been corrected.

2. Alta Survey
   a) There are no underground improvements.
   b) Net lot area now shown in SF and acreage.
   c) Noted

3. Site Plan
   a) All setback requirements now shown on Site Plan.
   b) Site Plan and site data have been resolved.
   c) Trashroom shown on sheet SP-1on the northwest corner.

4. Site Data
   a) Non-retail setback requirement added to chart.
   b) A table with area, AC and non-AC added to sheet SP-1.
   c) Beach landscape requirements do not have pervious area requirements.

AA #26001212 | 2417 Hollywood Blvd. Hollywood, FL 33020 | 954 920 5746
joseph@kallerarchitects.com | kallerarchitects.com

5. Variance Justification Statement now attached.

6. This project has already been presented to the Beach Civic Association.

7. Noted.

B. <u>ZONING</u> – Fitz Murphy 954-921-3471

1. The use at the base will be retail.

2. Tower setbacks at Broadwalk and Cleveland match base up to 40% of site frontage. Tower setbacks at Surf Road exceeds the 40% therefore a variance is being requested.

3. Kiosks
   a) Non-retail setback requirements in chart. Kiosk design will be moveable with power attachment in the ceiling on the first floor. See attached.
   b) Noted.
   c) Kiosks after hours.

4. A variance is being requested for loading. A table with useable areas now added to sheet SP-1.

5. No mail to be delivered on site. Mail will go to individual company headquarters.

6. See sheet SP-2 for site frontage match between tower and allowable encroachment.

C. <u>ARCHITECTURE AND URBAN DESIGN</u> – Fitz Murphy 954-921-3471

1. Elevations
   a) Metals are powder coated and galvanized, as listed on the elevation page. Materials will be as durable as possible. Maintenance will be up to the owner.
   b) Concrete column called out. Concrete eyebrow now shown as "not used".

2. Kiosk details shown on sheets A-10 & A-11.

3. The stair is now shown in more detail in the rendering, otherwise stair is concrete with horizontal picket railings.

4. Noted.

Terrence Cominsky – 954-921-3900

1. List added to sheet A-1.
2. Bicycle racks are now on site, see sheet A-1 and SP-1.
3. Kiosk details on sheet A-10 & A-11. Space secured with roll down gates and folding gates. Gate details on sheet A-11.
4. The number of fixture units in the bathroom fits the square footage and occupancy of the retail space.

D. <u>SIGNAGE</u> – Fitz Murphy 954-921-3471

1. See sheet SP-3 for signage details.
2. Separate permit for signs noted on sheet SP-1. Illumination to comply with Turtle Ordinance.

E. <u>LIGHTING</u> – Fitz Murphy 954-921-3471

1. Substantially compliant.

F. <u>GREEN BUILDING AND ENVIRONMENTAL SUSTAINABILITY</u> – Fitz Murphy 954-921-3471

1. Green Building Practices has been added to SP-1. No green building certification, building is under 20,000 SF in size.
2. No green building registration.

G. <u>ENGINEERING</u> – Luis Lopez 954-921-3251
Clarissa Ip 954-921-3915

1. Noted on sheet SP-1.
2. Civil Plans now in submission.
3. Bike racks added in south-west corner of site. Storage on second floor.
4. Noted.
5. Noted.

H. <u>LANDSCAPING</u> – Guillermo Salazar 954-921-3900

1. See attached landscaping plans. No trees are currently on site.
2. Landscaping plans attached as per article 6.
3. Noted.

4. Noted.
5. Noted.

I. UTILITIES – Wilford Zephyr 954-924-2985
James Rusnak 954-921-3302

Water and Sewer
1. Civil Plans are submitted with demand calculations.

Drainage
1. Paving, grading, and drainage plans now submitted.
2. A note has been added to sheet SP-1 regarding the use of the ground floor.

J. BUILDING – Dean Decker 954-921-3025

1. Substantially compliant.

K. FIRE – Janet Washburn 954-921-3554

1. Fire flow attached. See civil plans.
2. Noted. See attached.
3. Noted. See attached.
4. Noted. See attached.
5. SP-1 changed to show 6th ED. F.F.P.C. Chapter 12.
6. Cover page changed to remove FAC 69A-40.
7. Noted.

L. PUBLIC WORKS – Charles Lassiter 954-967-4207

1. Substantially complaint.

M. PARKS, RECREATION, AND CULTURAL ARTS – David Vasquez 954-921-3404

1. No units, only retail and restaurant.

N. COMMUNITY DEVELOPMENT – Clay Milan 954-921-3271

1. Vending machines have been removed. Only kiosks remain on first floor.

O. ECONOMIC DEVELOPMENT – Brian Rademacher 954-924-2922

1. Renderings have been redone. See attached. Spaces are open.
2. Majority of retail will be human based.
3. Kitchen will serve the 3rd floor and Roof Garden.

P. POLICE DEPARTMENT – Christine Adanicik 954-967-4371
Steven Bolger 954-967-4500
Doreen Avitabile 954-967-4371

1. Substantially compliant.

Q. DOWNTOWN AND BEACH CRA – Jorge Camejo
Susan Goldberg 954-924-2980

1.

R. PARKING – Harold King 954-921-3549
Tamika Bacon 954-921-3548

1. No comments as no parking is required.

S. ADDITIONAL COMMENTS – Fitz Murphy 954-921-3471

1. Noted.

KallerArchitecture

GENERAL CRITERIA STATEMENT
1907 N. Surf Road
Hollywood, Fl 33019
TAC# 18-DP-31
Job# 18063

1. *Architectural and Design Components. Architecture refers to the Architectural elements of exterior building surfaces. Architectural Details should be commensurate with the building mass. The use of traditional materials for new Architectural Details is recommended. Design of the Building(s) shall consider aesthetics and functionality, including the relationship of the pedestrian with the built environment.*

   The Architectural style of the 1907 N Surf Road Mixed Use Building is modern. Concrete and metal make up the structure and architectural details of the Building. The design lines are clean and sleek, and choice of colors is vibrant, fun and inviting. The building is open and airy, allowing the sounds and smells of the Ocean to envelop the spaces. The openness also allows prospective patron to see and feel the energy of the space before entering. The boundaries between inside and outside become blurred.

   Materials will be easily maintained, attractive and energetic. All spaces celebrate the true star of the area, the sand and the sea. The beach can be seen and enjoyed from every space.

2. *Compatibility. The relationship between existing Architectural styles and proposed construction, including how each building along the street relates to the whole and the pattern created with adjacent structures and the surrounding neighborhood. Buildings should contain architectural details that are characteristic of the surrounding neighborhood.*

   The design of the building is a modern take on the "Courtyard" style building where the units cluster around a central open common space. This happens throughout the beach and is also seen in the buildings directly north, south and west of the project site. The courtyard acts as an inviting entry point from which one can branch off in different directions. The same happens in the project design. The two story high

central entry off of the Broadwalk is the courtyard, and it is surrounded by directional choices that end up at various retail and restaurant destinations that surround the "courtyard".

The Roof Terraces are like the Balconies in the adjacent Hotel and Residences and the exposed stairway is not unlike those seen in multilevel hotels and residences throughout the beach.

3. *Scale/Massing. Buildings shall be proportionate in scale, with a height which is consistent with the surrounding structures. Building mass shall reflect a simple composition of basic architectural details in relation to its length, width, height, lot coverage and setting of the structure in context with adjacent buildings. Architectural details included, but are not limited to, banding, molding and fenestration.*

   The Project's scale relates to many of the nearby buildings. Buildings like La Playa to the south and Neptune to the north. Multi-story buildings, with central courtyards and open walkways and balconies, all relate to each other through these common elements. There are some variations regarding heights between the Project and the existing adjacent buildings. This is mainly because of the current coastal construction regulations from FEMA which dictates the elevation of the first habitable floor. By contrast, the project's ground floor being kept open and almost flush with the Broadwalk, helps to promote a cohesive look and feel to the adjacent existing buildings and to the Broadwalk in general. The inviting feeling of "come on in".

4. *Landscaping. Landscaped area should contain a variety of native and other compatible plant types and forms and be carefully integrated with existing buildings and paved areas. Existing mature trees and other significant plants on the site should be preserved.*

   Landscaping will be designed as per the Landscape Code for the City of Hollywood. Drought tolerant native plants, that are also salt tolerant, make up the variety of plant species being used on this project. These plantings will vary in height, texture and color along the base of the building and up on the Roof Garden Deck. The plants will soften the built environment through their shadows cast on the pavers and walls, and their movement in the sea breeze. The landscaping will be done according to Green Building Practices.

KallerArchitecture

VARIANCE CRITERIA STATEMENT
1907 N. Surf Road
Hollywood, Fl 33019
TAC# 18-DP-31
Job# 18063

A. That the requested Variance maintains the basic intent and purpose of the subject regulations, particularly as it affects the stability and appearance of the City:

The two variances requested are:

1. To reduce the tower setback on Surf Road from 15'-0" to 5'-0".
2. To reduce the required Loading Zone from 2 spaces to 0 spaces on site.

The tower setback reduction on Surf Road means the tower will match the setback of the base. This will allow space for a kitchen on the third floor. The upper floors matching the first floor along Surf Road is very common, more so than the step in required under the current Land Development Code. This variance request would definitely not affect the stability or appearance of the Beach or the City.

The Loading Space Variance is being requested based on the size of the site being developed. A space 10' wide x 25' long x 14' clear height would represent (with setback requirements) more than 25% of the site. The Beach sites are unique in that they are small and house mainly small hotels and restaurants. Many of these smaller businesses have no on-site loading/unloading and instead rely on the street ends to drop off any goods. Because of this, the City of Hollywood's CRA has designed loading spaces into the street end renovations, which will allow many of these smaller businesses to share the loading and unloading spaces. This will also be consistent with the existing look and feel of the Beach.

AA #26001212 | 2417 Hollywood Blvd. Hollywood, FL 33020 | 954 920 5746
joseph@kallerarchitects.com | kallerarchitects.com

B. That the requested Variance is otherwise compatible with the surrounding land uses and would not be detrimental to the Community:

The two requested variances are compatible with the surrounding land uses. The surrounding land uses are commercial in nature and sit on small sites made up of one, two, and three contiguous lots. The Buildings that are higher than the 25' base have "towers" that match the setbacks of their bases. None of the sites have on site loading. Some have on site parking spaces that are probably also used for loading and unloading, as these small establishments would probably not require large trucks of supplies. The street end of Cleveland, adjacent to the site, is also used for loading although not officially designated as such.

This would also be true for the Retail/Restaurant Project. Small kiosks would probably be stocked by each individual owner with goods carried in their trunks and delivered by hand trucks. This is the nature of the Beach, creative ways to keep it running while not dedicating precious square footage of land to loading zones.

C. That the requested Variance is consistent with and in furtherance of the Goals, Objectives and Policies of the adopted Comprehensive Plan, as amended from time to time, the applicable Neighborhood Plan and all other similar plans adopted by the City:

The tower setback reduction and the loading space elimination are consistent with the furtherance of the Goals and Objectives and Policies of the Comprehensive Plan. The variance allows for a viable project with regards to useable square footage and allowing a variety of uses.

2014 FEMA Flood Maps and the rules governing coastal development already hinders the use of the ground level. Because it has to be open to allow storm surges to flow through. This means uses that require an envelope have to be built on the higher floor. The higher floors are where the square footage becomes smaller as the tower setbacks (typically larger than base setbacks) have to be implemented. In establishing a destination on the Beach that promotes all of the points listed in the Comprehensive Plan, like eliminating blight and enhancing the Beach as a Tropical Destination, it is important that this development is feasible, with useable attractive spaces that attract long term, stable and valued tenants.

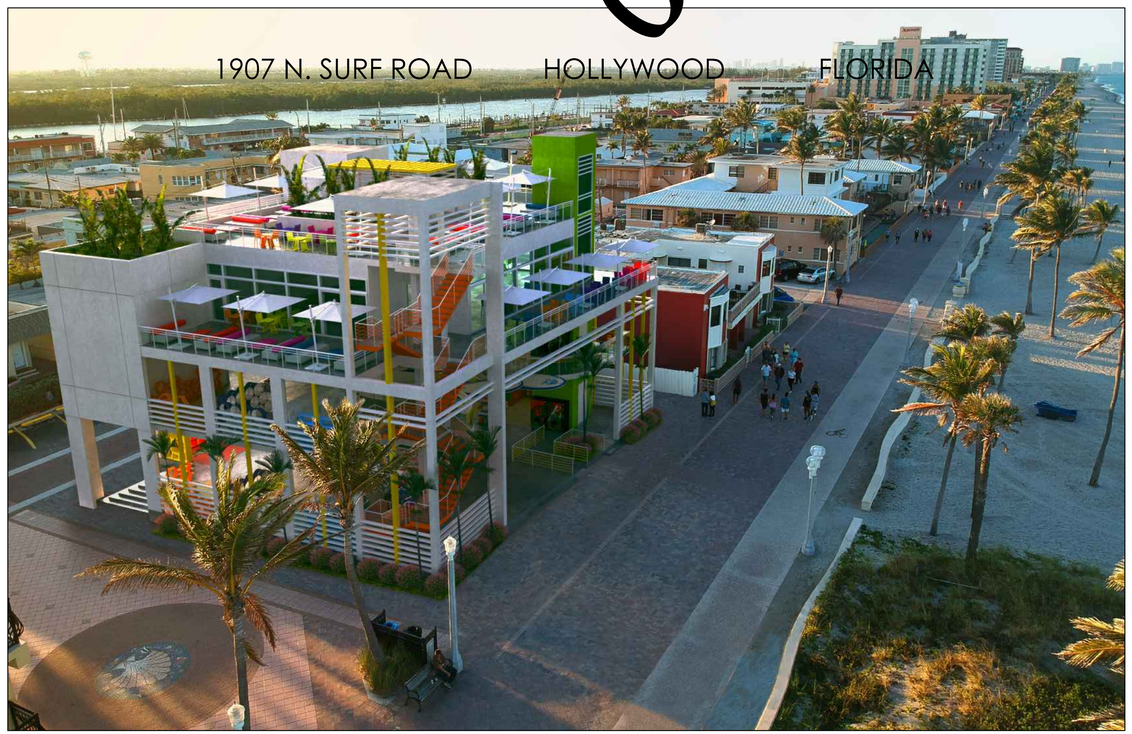
D. That the need for the requested Variance is not economically based or self-imposed.

The variances being requested are not self-imposed or economically based but instead are based on the best use of the land to develop a product that has longevity and adds to the energy and excitement of the Broadwalk. The variances allow for mixed uses that allow for diversity in experiences, promotes, it as a destination, and adds to the variety of uses on the Beach.

E. That the Variance is necessary to comply with State or Federal Law and is the minimum Variance Necessary to comply with the applicable law.

The Variance being requested does not conflict with any State or Federal Laws and will not stand out as different or unusual to adjacent sited and buildings.

1907 north Surf road



P.A.C.O. - APRIL 16, 2018
PRELIM. TAC - MAY 14, 2018

PROJECT TEAM

ARCHITECT

JOSEPH B. KALLER AND ASSOCIATES, P.A.
CONTACT: MR. JOSEPH B. KALLER
ADDRESS: 2417 HOLLYWOOD BLVD.
HOLLYWOOD, FL 33020
PHONE: (954) 920-5746
FAX: (954) 926-2841
EMAIL: joseph@kallerarchitects.com

SURVEYOR

COUSINS SURVEYORS AND ASSOCIATES, INC.
CONTACT: RICHARD COUSINS
ADDRESS: 3321 SW 47TH AVENUE, SUITE 1011
DAVIE, FL 33314
PHONE: (954) 680-8885
EMAIL: RECsurvey@aol.com

CIVIL ENGINEER

GGB ENGINEERING, INC.
CONTACT: GARY BLOOM
ADDRESS: 3109 STIRLING ROAD, SUITE 201
FORT LAUDERDALE, FLORIDA 33312
PHONE: (954) 986-9899
FAX : (954) 986-6655
EMAIL: gary@ggbeng.com

OWNER

DMR PARADISE INC.
CONTACT: MR. GIL SCHOLYAR
ADDRESS: 200 E. PALMETTO PARK ROAD, SUITE 103
BOCA RATON, FL 33432
CELL:
EMAIL: petrogold@rogers.com

LANDSCAPE ARCHITECT

MIRRORS OF PARADISE INC
CONTACT: Gabriela Fojt
PHONE: (954) 478-3064
EMAIL: gabriela@themirrorofparadise.com

PROJECT DATA

CODES:

FLORIDA BUILDING CODE, 6TH EDITION 2017
FLORIDA FIRE PREVENTION CODE, 5TH EDITION

JURISDICTION:

CITY OF HOLLYWOOD
BROWARD COUNTY
STATE OF FLORIDA

DRAWING INDEX

T-1 COVER SHEET

SURVEY

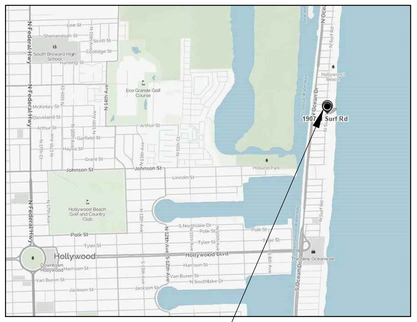
SP-1 SITE PLAN AND NOTES
SP-2 SITE DETAILS
SP-3 SIGN DETAILS

C-1 PAVING, GRADING AND DRAINAGE PLAN
C-2 CONSTRUCTION DETAILS
C-3 CONSTRUCTION DETAILS
C-4 CONSTRUCTION DETAILS
C-5 CONSTRUCTION DETAILS
C-6 EROSION CONTROL
C-7 STORM WATER PREVENTION AND POLLUTION PLAN
C-8 STORM WATER PREVENTION AND POLLUTION PLAN

DT-1 TREE REMOVAL PLAN
LP-1 LANDSCAPE PLANTING PLAN
LP-2 LANDSCAPE PLANTING DETAILS

A-1 FIRST FLOOR PLAN
A-2 SECOND FLOOR PLAN
A-3 THIRD FLOOR PLAN
A-4 ROOF GARDEN PLAN
A-5 ELEVATIONS
A-6 ELEVATIONS
A-7 ELEVATIONS
A-8 ELEVATIONS
A-9 BUILDING SECTION
A-10 KIOSK DETAILS
A-11 KIOSK DETAILS/ SECURITY GATE DETAIL
A-12 CONTEXTUAL STREET ELEVATIONS

LOCATION MAP



AERIAL

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Notice: Bids and proposals are to be based upon Documents as prepared by, and/or as required by and approved by the Architect. The Contractor is responsible for errors or omissions resulting from the use of incomplete or preliminary sets of Building Documents. The intent of the contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. The Contractor shall be responsible for the accuracy of the Contract Documents and shall promptly inform the Owner of any discrepancies in the Contract Documents and shall promptly produce the corrected data.

Kaller

JOSEPH B. KALLER
+
ASSOCIATES PA
AA# 26001212
2417 Hollywood Blvd. Hollywood, Florida 33020
(954) 920 5746 phone - (954) 926 2841 fax
joseph@kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE

MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE

TITLE PAGE

REVISIONS

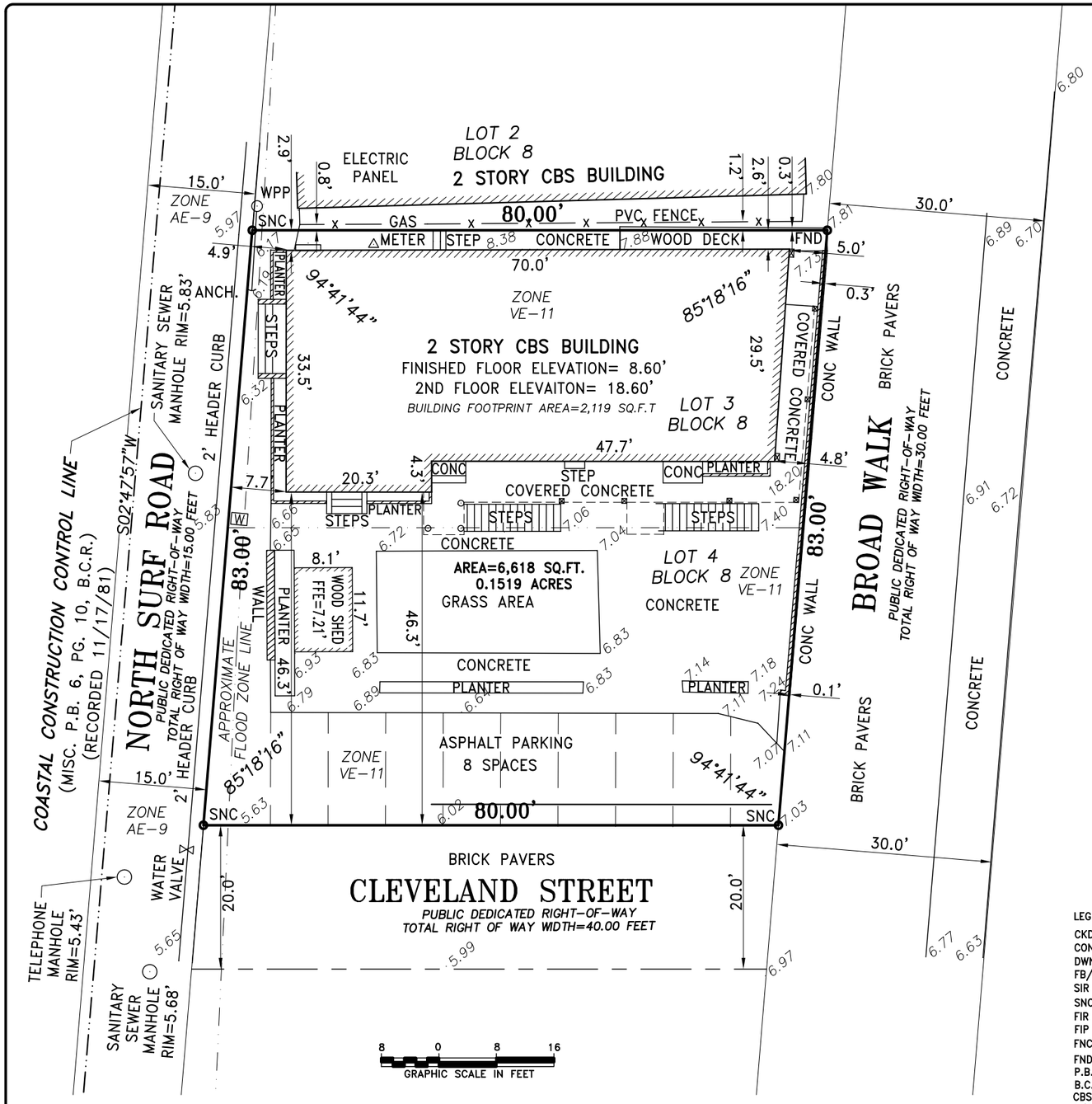
No.	DATE	DESCRIPTION
1	5-14-18	PRELIM. TAC
2		

This drawing, as an instrument of service, is and shall remain the property of the Architect and shall not be reproduced, published or used in any way without the permission of the Architect.

PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: JBK

SHEET

T-1



LOCATION MAP (NTS)

NOTES :

1. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

2. THE CERTIFICATION SHOWN HEREON TO THE EXTENT RELATING TO THE EXISTENCE OF EASEMENTS AND/OR RIGHTS-OF-WAY OF RECORD IS BASED UPON OWNERSHIP AND ENCUMBRANCE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY. SEARCHED FROM: FEBRUARY 20, 1923 THROUGH APRIL 20, 2018. FILE NUMBER: 1062-3973803
THERE ARE NO PLOTTABLE EXCEPTIONS.

3. THIS SURVEY WAS DONE SOLELY FOR BOUNDARY PURPOSES AND DOES NOT DEPICT THE JURISDICTION OF ANY MUNICIPAL, STATE, FEDERAL OR OTHER ENTITIES.

4. THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT.

5. UNDERGROUND IMPROVEMENTS NOT SHOWN.

6. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

7. BENCHMARK DESCRIPTION : BROWARD COUNTY BENCHMARK #3943 ELEVATION = 7.64' (NAVD88)

8. THIS SURVEY WAS MADE IN ACCORDANCE WITH LAWS AND/OR MINIMUM STANDARDS OF THE STATE OF FLORIDA.

9. THE PROPERTY DESCRIBED HEREON (THE "PROPERTY") IS THE SAME AS THE PROPERTY DESCRIBED IN THE OWNERSHIP AND ENCUMBRANCE REPORT ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NO.: 1062-3973803 SEARCHED FROM : FEBRUARY 20, 1923 THROUGH APRIL 20, 2018 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE PROPERTY OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE PROPERTY.

10. ALL UTILITIES SERVING THE PROPERTY ENTER THROUGH ADJOINING PUBLIC STREETS AND/OR EASEMENTS OF RECORD.

11. THE PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "VE/11" AND "AE/9" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 0588 H, WITH A DATE OF IDENTIFICATION OF 08/18/14, FOR COMMUNITY NO. 125113, IN BROWARD COUNTY, STATE OF FLORIDA WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH THE PROPERTY IS SITUATED.

12. THERE ARE NO ENCROACHMENTS ONTO ADJOINING PREMISES, STREETS OR ALLEYS BY ANY BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS LOCATED ON THE PROPERTY, AND NO ENCROACHMENTS ONTO THE PROPERTY BY BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS SITUATED ON ADJOINING PREMISES.

13. THE PROPERTY HAS DIRECT ACCESS TO NORTH SURF ROAD AND CLEVELAND STREET A DEDICATED PUBLIC STREET AS SHOWN ON PLAT BOOK 1, PAGE 31, SAME BEING PAVED AND DEDICATED PUBLIC ROADWAYS MAINTAINED BY THE CITY OF HOLLYWOOD, BROWARD COUNTY, FLORIDA.

14. THERE ARE 8 STRIPED PARKING SPACES ON THE PROPERTY.

15. THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE PROPERTY.

16. THERE IS NO PROPOSED CHANGES IN STREET RIGHT OF WAY LINES AFFECTING THE PROPERTY, ACCORDING TO BROWARD COUNTY, FLORIDA.

17. THERE IS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS AFFECTING THE PROPERTY.

18. THERE IS NO OBSERVED EVIDENCE OF USE OF THE PROPERTY AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

19. ZONING: BROADWALK HISTORIC DISTRICT COMMERCIAL BWK-25-HD-C.

LEGEND:

CKD	CHECKED BY
CONC	CONCRETE
DWN	DRAWN BY
FB/PG	FIELD BOOK AND PAGE
SIR	SET IRON ROD & CAP #6448
SNC	SET NAIL AND CAP #6448
FIR	FOUND IRON ROD
FIP	FOUND IRON PIPE
FNC	FOUND NAIL AND CAP
FND	FOUND NAIL & DISC
P.B.	PLAT BOOK
B.C.R.	BROWARD COUNTY RECORDS
CBS	CONCRETE BLOCK STRUCTURE
A/C	AIR CONDITIONER
WM	WATER METER
WV	WATER VALVE
CO	CLEAN OUT
TSB	TRAFFIC SIGNAL BOX
TSP	TRAFFIC SIGNAL POLE
PM	PARKING METER
MLP	METAL LIGHT POLE
EB	ELECTRIC BOX
5.40	ELEVATIONS
ALTA	AMERICAN LAND TITLE ASSOCIATION
NSPS	NATIONAL SOCIATY OF PROFESSIONAL SURVEYORS

SURVEYOR'S CERTIFICATION

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(A), 6(B) (NONE SUPPLIED), 7(A), 7(B), 7(C), 8, 9, 10(A), 11, 13, 14, 16, 17, 18 AND 19 (NONE DISCLOSED) OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.
THE FIELD WORK WAS COMPLETED ON APRIL 24, 2018.

FOR THE FIRM BY: Richard E. Cousins

RICHARD E. COUSINS
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION No. 4188.

LAND DESCRIPTION:

LOTS 3 AND 4, BLOCK 8 OF "HOLLYWOOD BEACH FIRST ADDITION", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

ALTA/NSPS LAND TITLE SURVEY

COUSINS SURVEYORS & ASSOCIATES, INC.
3921 SW 47TH AVENUE, SUITE 1011
DAVIE, FLORIDA 33314
CERTIFICATE OF AUTHORIZATION : LB # 6448
PHONE (954) 689-7766 FAX (954) 689-7799

CLIENT :
GIL SHCOLYAR

1907 N SURF ROAD
HOLLYWOOD, FLORIDA

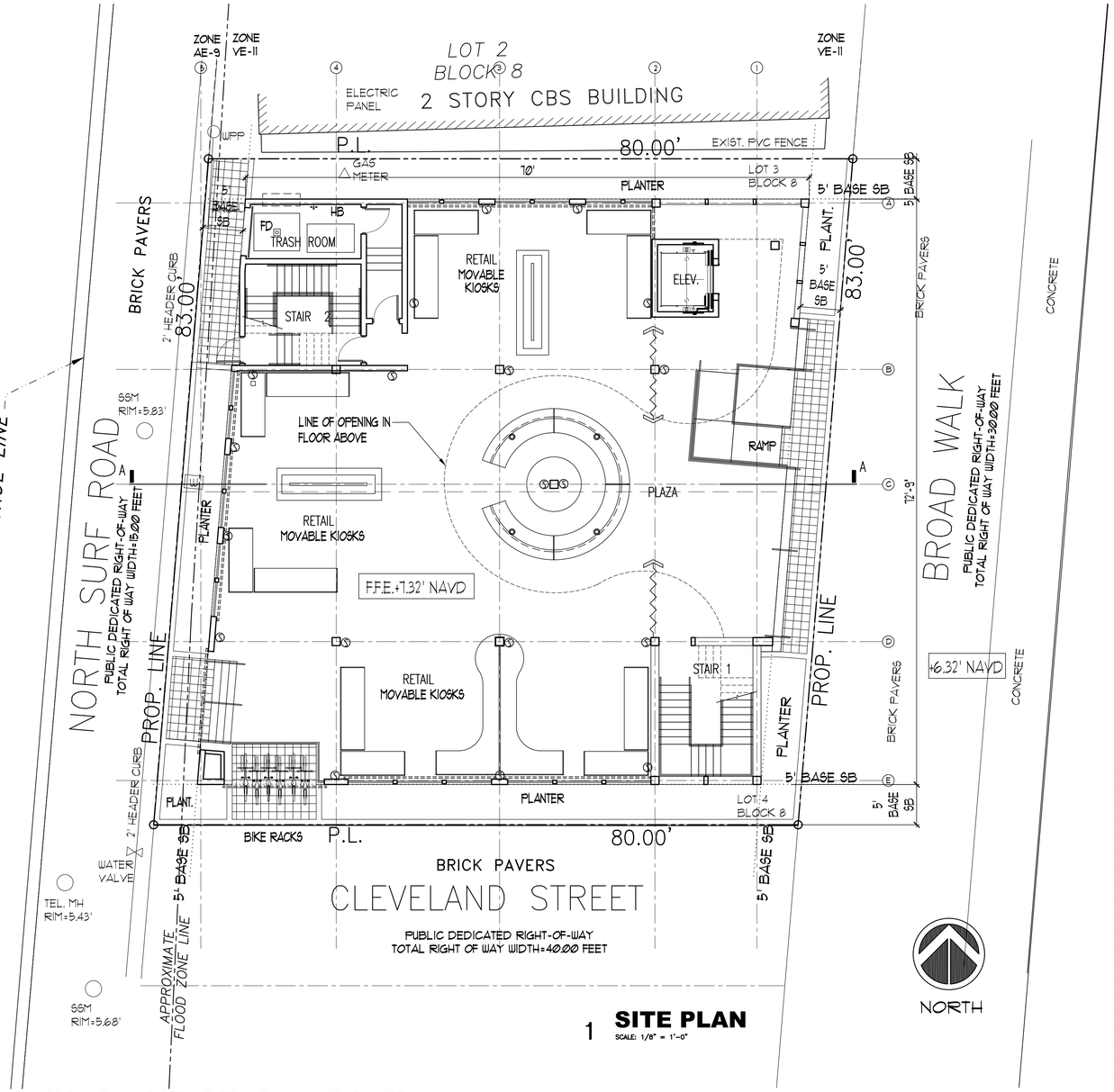
ALTA/NSPS LAND TITLE SURVEY

REVISIONS	DATE	FB/PG	DWN	CKD
BOUNDARY & IMPROVEMENTS SURVEY	04/07/18	SKETCH	JD	REC
ALTA/NSPS LAND TITLE SURVEY	04/24/18	SKETCH	AM	REC

PROJECT NUMBER : 8665-18

SCALE : 1" = 8'

SHEET 1 OF 1 SHEET



1 **SITE PLAN**
SCALE: 1/8" = 1'-0"

ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD ZONING AND LAND DEVELOPMENT CODE BASED ON THE BWK-25-HD-C ZONING DISTRICT.

NOTE:
BUILDING TO BE FULLY SPRINKLED WITH A SUPERVISED FIRE SPRINKLER SYSTEM.

NOTE:
ALL MACHINE ROOMS, ELECTRICAL, MECHANICAL AND OTHER EQUIPMENT WILL BE ABOVE THE REQUIRED FEMA BASE FLOOD 12.0' N.A.V.D.

FEMA NOTE:
THE NATIONAL FLOOD INSURANCE PROGRAM IS IN THE PROCESS OF ISSUING NEW FLOOD MAPS. AT TIME OF BUILDING PERMIT THE FEMA BASE FLOOD ELEVATION SHOULD BE CHECKED TO ENSURE IT IS STILL COMPLIANT.

SITE LIGHTING NOTE:
SITE LIGHTING LEVELS SHALL NOT EXCEED 0.5 FC AT THE PROPERTY LINE ADJACENT TO RESIDENTIALLY ZONED OR RESIDENTIALLY USED AREAS.

FIRE ALARM NOTE:
A FIRE ALARM SYSTEM IS REQUIRED AS PER F.F.P.C. 6TH ED. NFPA 101 SECTION 12.3.4

ALL MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW.

TURTLE LIGHTING ORDINANCE
PROJECT SHALL ADHERE TO THE NEW DEVELOPMENT LIGHTING STANDARDS OF CHAPTER 108 "LIGHTING REQUIREMENTS FOR MARINE TURTLE PROTECTION" OF THE CITY OF HOLLYWOOD CODE OF ORDINANCE.

LEGAL DESCRIPTION

LOTS 3 AND 4, BLOCK 8, "HOLLYWOOD BEACH FIRST ADDITION", ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

PROPERTY ADDRESSES

1907 NORTH SURF ROAD
HOLLYWOOD, FL 33019

SITE INFORMATION

EXISTING ZONING:	BROADWALK HISTORIC DISTRICT COMMERCIAL (BWK-25-HD-C)
LAND USE DESIGNATION:	GENERAL BUSINESS
NET LOT AREA:	6,618.0 SQUARE FEET (0.1519 AC)

PARKING:	REQUIRED	PROVIDED
RETAIL AND RESTAURANT	0 SPACES	0 SPACES

LOADING:	REQUIRED	PROVIDED
LESS THAN 10,000 SF	0 SPACES	0 SPACES

SETBACKS:

		REQUIRED BASE	REQUIRED TOWER	PROVIDED BASE	PROVIDED TOWER
(a)	BROADWALK	5'-0" retail 10'-0" △1	15'-0"	5'-0" retail	15'-0" **
(b)	INTERIOR (NORTH)	5'-0"	10'-0"	5'-0"	10'-0" **
(c)	CROSS STREET (SOUTH)	5'-0" retail 10'-0" △1	20'-0"	5'-0" retail	20'-0" **
(d)	SURF ROAD (EAST)	5'-0"	15'-0"	5'-0"	5'-0"

** CROSS STREET, BROADWALK AND SURF ROAD BUILDING TOWER SETBACKS MAY MATCH BUILDING BASE SETBACKS FOR UP TO 40% OF THE SITE FRONTAGE.

BUILDING SUMMARY

BUILDING HEIGHT:	ALLOWED	PROVIDED
	40'-0"	37'-8"

BUILDING AREAS: (AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS)

	enclosed space	open spaces	total
FIRST FLOOR	481	4589	
SECOND FLOOR	789	3222	
THIRD FLOOR	3361	2037	
ROOF DECK	299	2684	
TOTAL	4,930 S.F.	12,532 S.F.	17,462 S.F.

	SPACE	AREA AC	AREA NON AC	GROSS AREA AC	GROSS AREA NON AC
1ST FL	RETAIL AREA		4340	182	4888
	TRASH ROOM	182			
	STAIRWELLS		468		
	ELEVATOR		80		
2ND FL	RETAIL AREA		2973		4011
	STAIRWELLS		468		
	ELEVATOR		80		
	STORAGE		179		
	RESTROOMS		311		
3RD FL	RESTAURANT (INT.)	3062		3062	2336
	STAIRWELLS		468		
	ELEVATORS		80		
	DINING PATIO		1788		
ROOF	ROOF PATIO GARDEN		2435		2983
	STAIRWELLS		468		
	ELEVATORS		80		
				3244	14218
TOTAL GROSS AREA				17462 SF	

	USABLE AREAS	RETAIL	REST.
1ST FL	RETAIL AREA	4340	
2ND FL	RETAIL AREA	2973	
3RD FL	RESTAURANT (INT.)		3062
	DINING PATIO		1788
ROOF	ROOF PATIO GARDEN		2435
		7313	7285
TOTAL USEABLE AREA		14598	

△1

VARIANCES:

	REQUIRED	PROVIDED
TOWER SETBACK SURF ROAD	15'-0"	5'-0"
LOADING	1 SPACE / 10000 SF = 2 SPACES	0 0 △1

NOTE:
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

THE PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "VE/11" AND "AE/9" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 0588 H, WITH A DATE OF IDENTIFICATION OF 08/18/14, FOR COMMUNITY NO. 125113, IN BROWARD COUNTY, STATE OF FLORIDA WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH THE PROPERTY IS SITUATED.

CLASSIFICATION OF STRUCTURE IN FLOOD HAZARD AREA:
PER ASCE 24-05:

STRUCTURE CATEGORY	CATEGORY II	
ELEVATION BELOW WHICH FLOOD-DAMAGE-RESISTANT MATERIALS SHALL BE USED (TABLE 5-1)	BFE +1 OR DFE WHICHEVER IS HIGHER	+12.00' N.A.V.D.
DRY FLOOD PROOFING OF NON-RESIDENTIAL STRUCTURES (TABLE 6-1)	BFE +1 OR DFE WHICHEVER IS HIGHER	+12.00' N.A.V.D.

NOTE:
NOT WITHSTANDING INFORMATION PROVIDED HEREIN, ALL WORK PERFORMED BY THE G.C. AND THE SUB-CONTRACTORS, UNDER THIS SET OF CONSTRUCTION DOCUMENTS AND BUILDING PERMIT, MUST BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE FLORIDA BUILDING CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE 101, THE FLORIDA FIRE PREVENTION CODES, AND ALL OTHER CODES AND ORDINANCES HAVING JURISDICTION OVER THIS PROJECT.

GREEN BUILDING PRACTICES
FROM CITY OF HOLLYWOOD ORDINANCE #0-2011 -06

1. WINDOWS AND GLAZING
   LOW E, TINTED DOUBLE GLAZING- U FACTOR 0.56, SHGC 0.25
2. DOORS
   INSULATED AND FIRE RATED
3. PROGRAMMABLE THERMOSTATS
4. OCCUPANCY SENSORS
5. ENERGY EFFICIENT/ TURTLE FRIENDLY OUTDOOR LIGHTING
6. INSULATED PIPING
7. RECYCLING AREA
8. ENERGY STAR APPLIANCES
9. 80% OF PLANTS AND TREES PER SOUTH FLORIDA WATER MANAGEMENT DISTRICT RECOMMENDATIONS
10. MERV 8 AC FLITERS
11. ELECTRIC VEHICLE-CHARGING-STATION INFRASTRUCTURE.

ADDITIONAL PRACTICES

12. ICYNENE SOY BASED CLOSED CELL SPRAY INSULATION
13. LIGHT COLORED COOL ROOF.

△1

Kaller
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joseph@kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
SITE PLAN AND DATA

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM. TAC
2		

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PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: JBK

SHEET
SP-1

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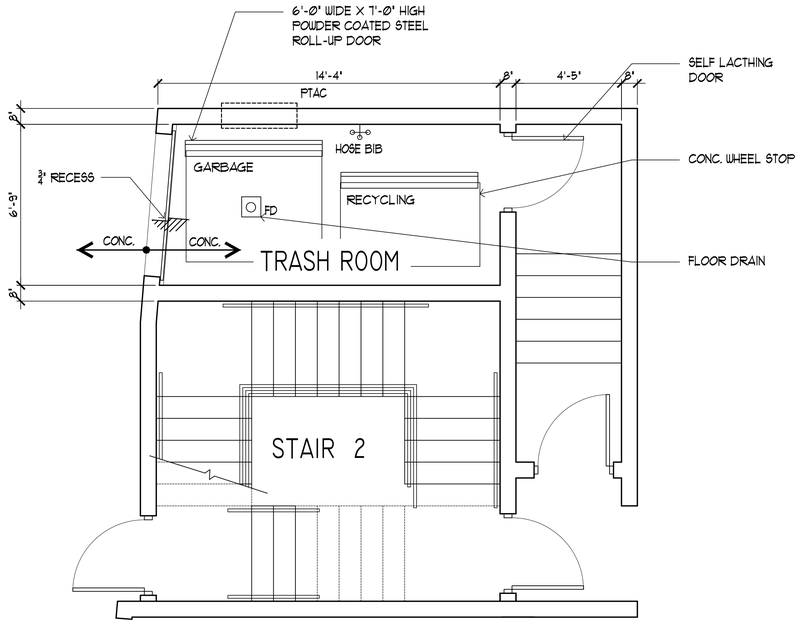
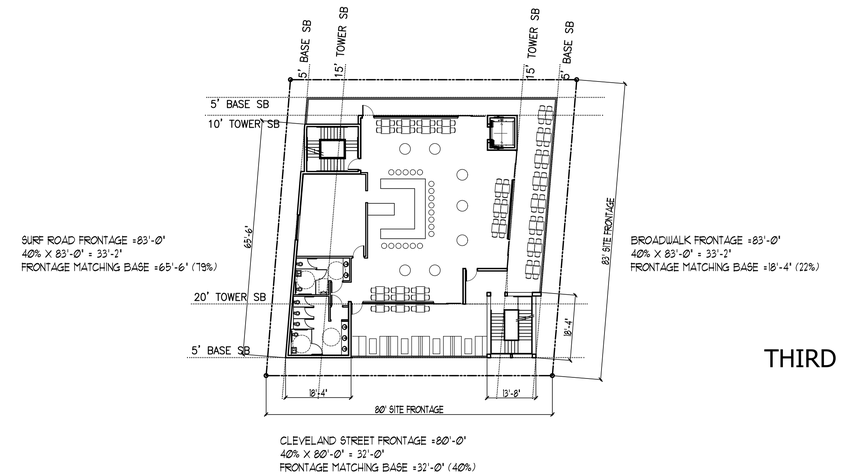


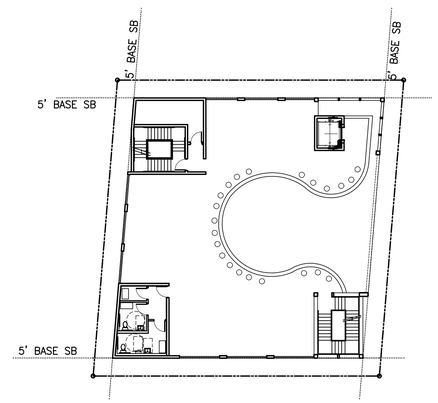
TRASHROOM ENCLOSURE

2

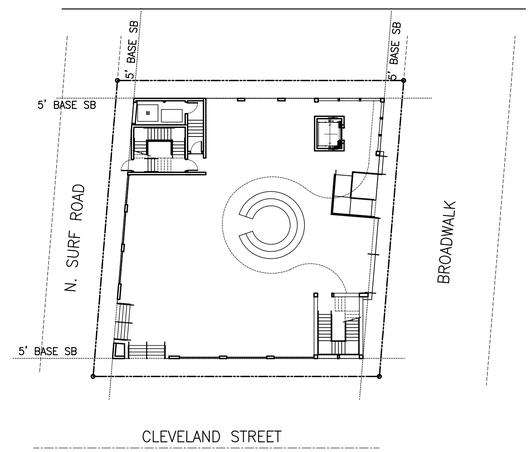
SCALE: 1/4"=1'-0"



THIRD FLOOR



SECOND FLOOR



FIRST FLOOR

ALLOWABLE SETBACK ENCROACHMENT

4 SCALE: 1"=20'-0"

ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH FOLLOWING:

SLOPE AND RISE -
THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30 IN.

CLEAR WIDTH -
1. MINIMUM CLEAR WIDTH OF A RAMP SHALL BE 44" CLEAR.
2. RAMPS THAT ARE PART OF A REQUIRED MEANS OF EGRESS SHALL BE NOT LESS THAN 44 INCHES CLEAR.

LANDINGS -
RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP AND EACH RAMP RUN. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:
1. THE LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.
2. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60 INCHES BY 60 INCHES
3. IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY FBC ACCESSIBILITY 2010

HANDRAILS -
IF A RAMP RUN HAS A RISE GREATER THAN 6 IN OR A HORIZONTAL PROJECTION GREATER THAN 72 IN THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS OR ADJACENT TO SEATING IN ASSEMBLY AREAS. HANDRAILS SHALL COMPLY WITH 4.26 OF THE ADA CODE AND SHALL HAVE THE FOLLOWING FEATURES:
1. HANDRAILS SHALL BE PROVIDED ALONG BOTH SIDES OF RAMP SEGMENTS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG RAMPS SHALL ALWAYS BE CONTINUOUS.
2. HANDRAILS ON RAMPS WHICH ARE NOT CONTINUOUS SHALL EXTEND NOT LESS THAN 18" BEYOND THE SLOPED SEGMENT AT BOTH THE TOP AND BOTTOM, AND SHALL BE PARALLEL TO THE FLOOR OR GROUND SURFACE.
3. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2 INCH
4. GRIPPING SURFACES SHALL BE CONTINUOUS.
5. TOP OF HANDRAIL GRIPPING SURFACES SHALL BE MOUNTED BETWEEN 34 IN AND 38 IN ABOVE RAMP SURFACES.
6. ENDS OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR, WALL OR POST
7. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

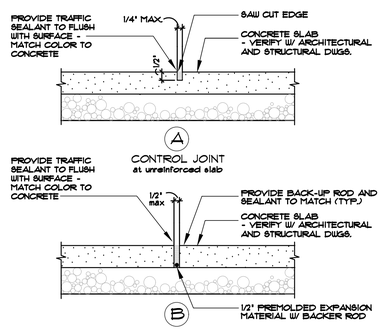
CROSS SLOPE SURFACES -
THE CROSS SLOPE OR RAMP SURFACES SHALL BE NO GREATER THAN 1:50. RAMP SURFACES SHALL COMPLY W/ CHAPTER 4 OF FBC 2010 ACCESSIBILITY CODE.

EDGE PROTECTION -
RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. CURBS SHALL BE A MINIMUM OF 2 IN HIGH

OUTDOOR CONDITIONS -
OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

SITE ACCESSIBILITY NOTES

2



TYP. CONC. SLAB JOINTS

3

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SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
SITE DETAILS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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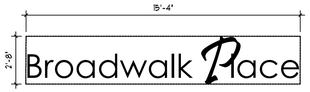
PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: ELEVATIONS

SHEET
SP-2
1 OF 1

WALL SIGNS

1



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FONT STYLE - PRISTINA

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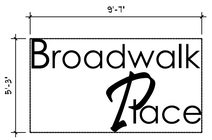
NUMBER SIZE =5.00 S.F.
FONT STYLE - CENTURY GOTHIC

PARAPET SIGN

3



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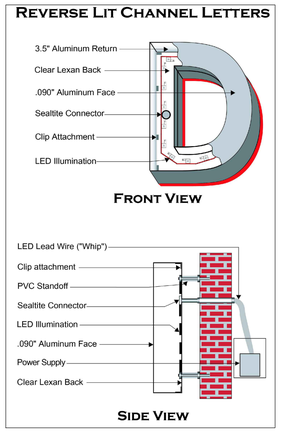
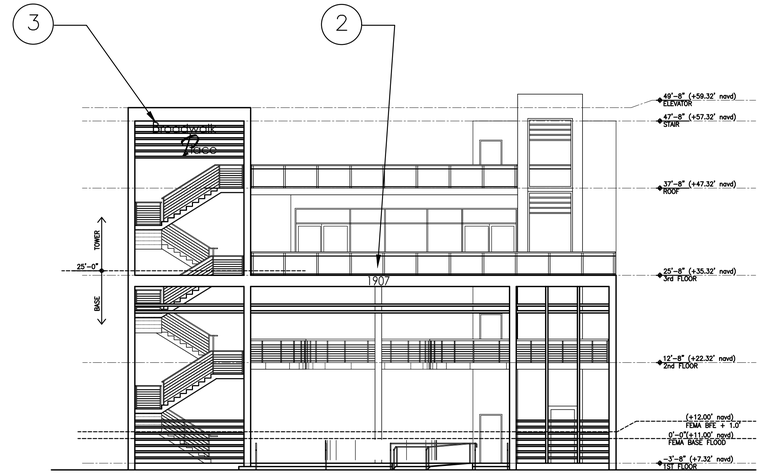


ALL SIGNAGE TO BE NEON BACK LIT PIN MOUNTED CHANNEL LETTERS

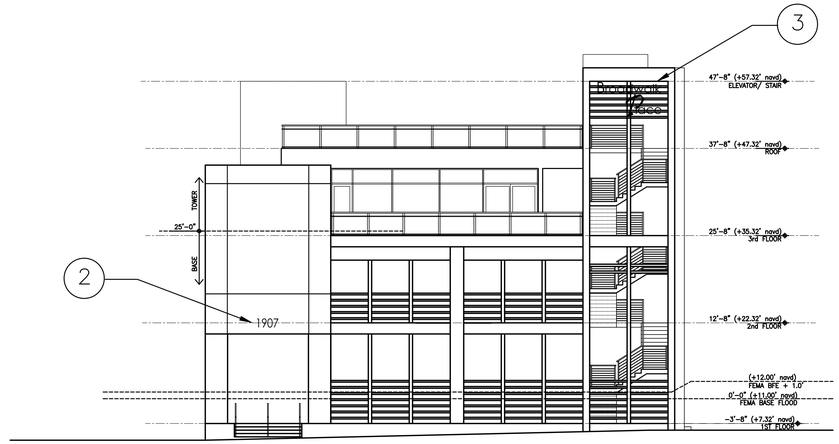
ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD ZONING AND LAND DEVELOPMENT CODE BASED ON THE RM-25-SCB ZONING DISTRICT.

NOTE:
A SEPARATE SIGN PERMIT IS REQUIRED FOR EACH SIGN.
A SEPARATE ELECTRICAL PERMIT IS REQUIRED FOR SIGNS REQUIRING ILLUMINATION.

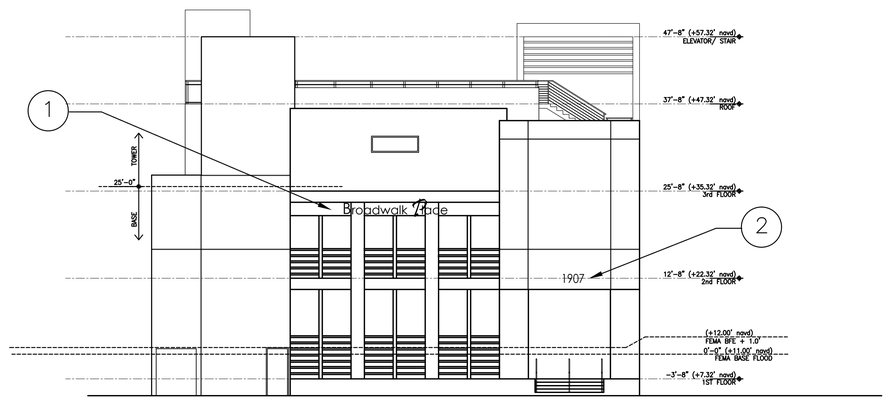
1 SIGNANGE DETAILS
SCALE: 1/4"=1'-0"



EAST ELEVATION



SOUTH ELEVATION



1 SIGN LOCATIONS
SCALE: 3/32"=1'-0"

WEST ELEVATION

Kaller

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SEAL

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PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
SIGNANGE DETAILS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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PROJECT No.:	18063
DATE:	4-23-18
DRAWN BY:	TMS
CHECKED BY:	ELEVATIONS

SHEET
SP-3
1 OF 1

Contractor shall verify and compare each of Building Documents in preparing bids, report the Owner or Architect immediately of any errors or inconsistencies resulting from the use of incomplete or preliminary bids. Building Documents, the intent of the contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. The Contractor shall be responsible for all performance by the Contractor and shall be responsible for any errors or inconsistencies resulting from the use of incomplete or preliminary bids.

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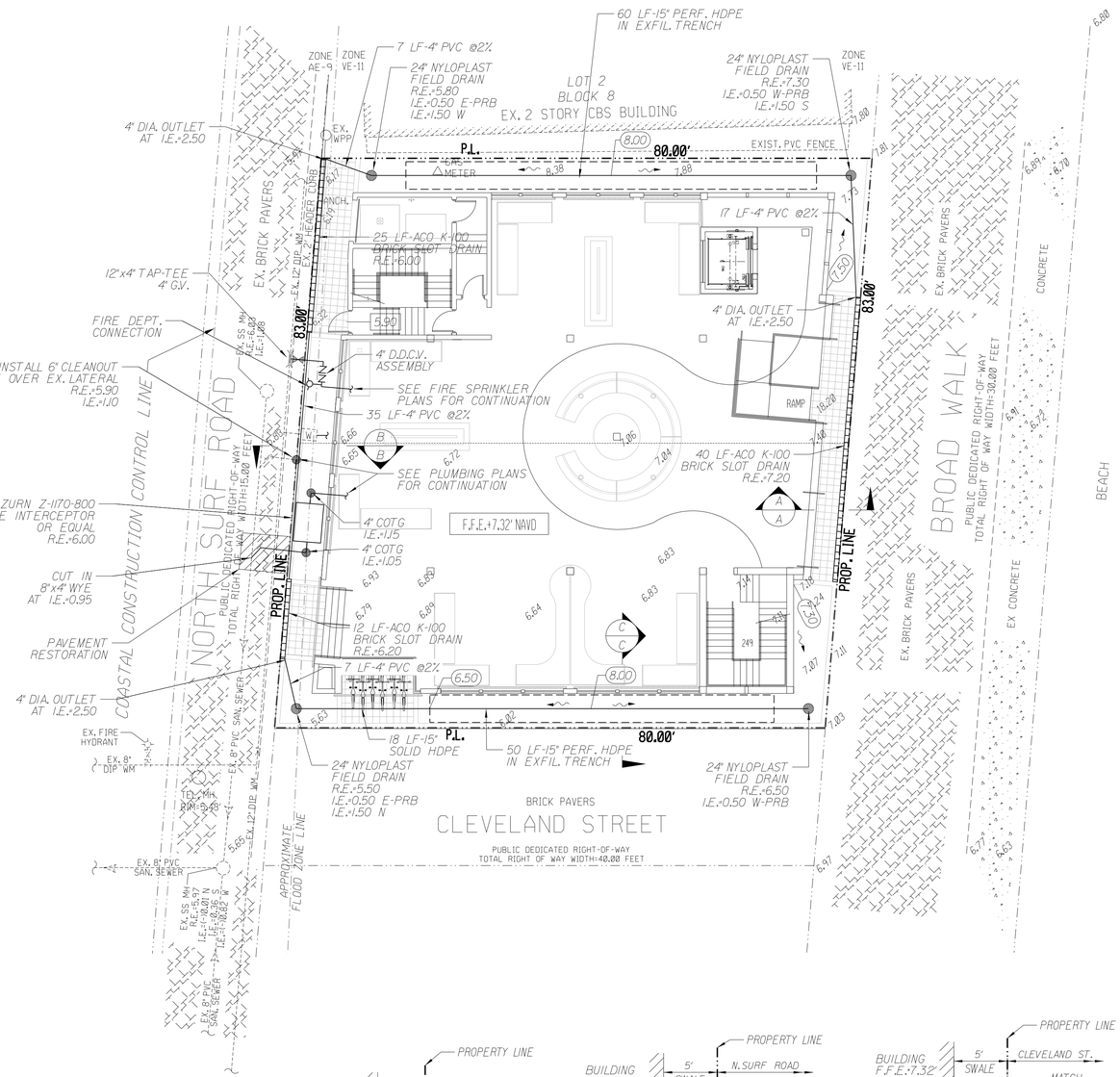
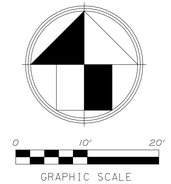
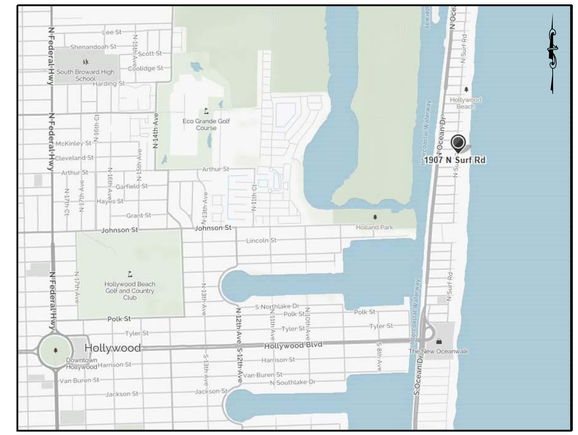






LOCATION MAP

N.T.S.

LAND DESCRIPTION:

LOTS 3 AND 4, BLOCK 8 OF "HOLLYWOOD BEACH FIRST ADDITION", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SEWER LEGEND

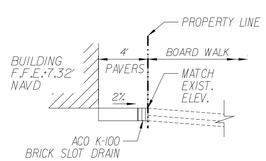
R.E.	RIM ELEVATION
I.E.	INVERT ELEVATION
MANHOLE R.E. = I.E. =	MANHOLE DESIGNATION
25 L.F./8" S.S. @ 0.42%	LENGTH & SLOPE OF PIPE
	DOUBLE SEWER LATERAL
	SINGLE SEWER LATERAL
	EXISTING OR FUTURE UTILITIES
C.O.T.G.	CLEAN OUT TO GRADE
	D.I.P. PIPE

WATER LEGEND

	DOUBLE WATER METER SERVICE
	SINGLE WATER METER SERVICE
85 L.F./ 8" W.M.	LENGTH, SIZE & TYPE OF WATER MAIN
	FIRE HYDRANT, GATE VALVE & TEE ASSEMBLY
	PROPOSED GATE VALVE
S.P. #2	BACTERIOLOGICAL SAMPLING POINT
	EXISTING OR FUTURE UTILITIES
	D.I.P. PIPE

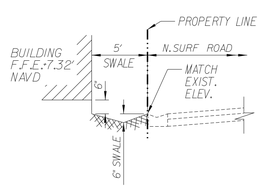
PAVING & DRAINAGE LEGEND

R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF OVERLAND FLOW
P.R.B.	POLLUTION RETARDANT BASIN
F.F.=	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
6.93	EXISTING GRADE
8.00	PROPOSED GRADE



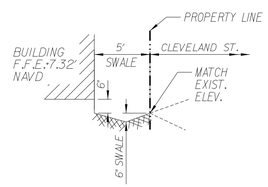
SECTION "A-A"

N.T.S.



SECTION "B-B"

N.T.S.



SECTION "C-C"

N.T.S.

NOTE:
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).

REVISIONS:
1.
2.
3.
4.
5.
6.
7.
8.

CLIENT:
Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT:
Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK:
PAVING, GRADING AND DRAINAGE PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS • CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
email: gary@ggbeng.com
Phone: (954) 986-0899
Fax: (954) 986-8635

DATE:	SCALE:
Sept. 2018	1"=10'
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 18-0618

SHEET C-1

GARY G. BLOOM, P.E.
FLA. LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

GENERAL NOTES

1. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS.
2. UNDER FLORIDA STATUTES, THE CONTRACTOR MUST PROVIDE A 48 HOUR NOTIFICATION PRIOR TO ANY OPERATION WHICH WOULD "PIERCE THE EARTH'S SURFACE" WITH THE WORK STARTED WITHIN FIVE WORKING DAYS AFTER ALL UNDERGROUND UTILITIES HAVE BEEN IDENTIFIED. THE NOTIFICATION NUMBER IS A ONE CALL SYSTEM STATEWIDE AT (800) 432-4770 . FAILURE TO COMPLY COULD RESULT IN FINES AND DAMAGES.

UNIVERSAL COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

RED	ELECTRIC
YELLOW	GAS-OIL
ORANGE	COMMUNICATION, CATV
BLUE	WATER
GREEN	SEWER
PINK	SURVEY MARKINGS
WHITE	PROPOSED EXCAVATION

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES:

   FLORIDA POWER AND LIGHT COMPANY
   BELL SOUTH
   COMCAST CATV
   CITY OF HOLLYWOOD

4. ALL ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
5. THE CONTRACTOR SHALL SUBMIT THREE (3) SETS OF SHOP DRAWINGS FOR APPROVAL TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR CONSTRUCTION FOR ALL MATERIALS USED ON THE PROJECT. APPROVED SHOP DRAWINGS FROM THE ENGINEER SHALL THEN BE SUBMITTED TO CITY OF HOLLYWOOD FOR THEIR APPROVAL. NO CONSTRUCTION SHALL COMMENCE UNTIL THE APPROVED SHOP DRAWINGS HAVE BEEN OBTAINED BY THE CONTRACTOR FROM THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF EXISTING PAVEMENT, PIPES, CONDUITS, CABLES, ETC., AND LANDSCAPED AREAS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY.
7. THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN THE AREA AND ANY OTHER UNDERGROUND CONDUIT REQUIRED FOR FP&L, BELL SOUTH, IRRIGATION SYSTEM, ETC. PRIOR TO BEGINNING SUBGRADE. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH APPLICABLE UTILITY COMPANIES.
8. ALL EXISTING UTILITIES SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY CASTINGS, INCLUDING VALVE BOXES, JUNCTION BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN AREAS OF CONSTRUCTION. ALL ADJUSTMENTS TO BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY.
10. THE CONTRACTOR SHALL OBTAIN ANY NECESSARY TREE REMOVAL PERMITS FROM THE CITY OF HOLLYWOOD PRIOR TO COMMENCING WORK.
11. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL SUPPLY THE ENGINEER OF RECORD WITH THE CERTIFICATION THAT ALL CONSTRUCTION AND MATERIALS MEET OR EXCEEDS THE DESIGN AND HAS BEEN INSTALLED PER THE DRAWINGS AND/OR AS-BUILT DRAWINGS.
12. COMPLIANCE WITH THE "TRENCH SAFETY ACT" IS REQUIRED FOR ALL EXCAVATIONS IN EXCESS OF 5 FOOT DEPTHS.

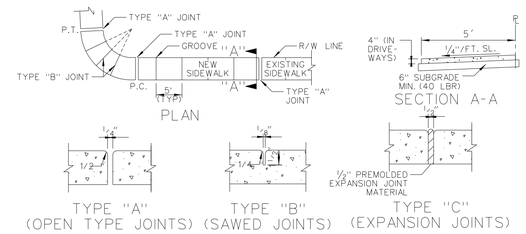
PAVEMENT MARKING AND SIGNING NOTES

1. THERMOPLASTIC SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SEE SECTION 711-MINIMUM THICKNESS 90 MILS (ALKYD ONLY).
2. ALL MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVISED FOR STREETS AND HIGHWAYS, AND FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
3. THERMOPLASTIC SHALL BE USED IN THE PUBLIC RIGHT-OF-WAY UNLESS OTHERWISE APPROVED BY CITY OF HOLLYWOOD. ALL ON-SITE PAVEMENT MARKINGS SHALL BE REFLECTORIZED PAINT.
4. THESE INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
5. ALL REFLECTIVE PAVEMENT MARKERS SHALL BE APPROVED BY CITY OF HOLLYWOOD BEFORE INSTALLATION.
6. REFLECTORS SHALL BE EQUALLY SPACED BUT NO MORE THAN 3 FEET APART.
7. THREE BLUE REFLECTORS SHALL BE PLACED AT ALL FIRE HYDRANT LOCATIONS.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD AND PARKING LOT AREA SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, AND REPLACED WITH THE SPECIFIED FILL MATERIAL IN MAXIMUM 1' LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT AND METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.
3. ALL AREAS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 1 FOOT. ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR TO BE ADJUSTED SHALL BE SO DESIGNATED ON THE DRAWINGS.
4. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3, or A-2-4 IN ACCORDANCE WITH AASHTO M-145 AND SHALL BE FREE FROM VEGETATION AND ORGANIC MATERIAL, NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND LIMEROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.
6. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.
7. WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.
8. ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.
9. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1 FOOT OF THE REQUIRED ELEVATION AND ALL AREAS SHALL BE GRADED TO DRAIN.
10. ALL SUBGRADE SHALL HAVE AN LBR OF 40, UNLESS OTHERWISE NOTED, AND SHALL BE COMPACTED TO 100% MAXIMUM DRY DENSITY PER AASHTO T-99.
11. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 AND HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM AND MAGNESIUM, UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.
12. ASPHALT SHALL BE OF THE TYPE DESIGNATED ON THE DRAWINGS.
13. PLASTIC FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.
14. CONCRETE SIDEWALK SHALL BE 4 INCHES THICK ON COMPACTED SUBGRADE, WITH 1/2 INCH EXPANSION JOINTS PLACED AT A MAXIMUM OF 75 FEET. CRACK CONTROL JOINTS SHALL BE 5 FEET ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS OTHERWISE SPECIFIED BY LOCAL CODES, OR SHOWN ON THE DRAWINGS. ALL CONCRETE SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6 INCHES THICK WITH 6" X 6" (10G.) WELDED WIRE MESH REINFORCEMENT.
15. PIPE SPECIFICATIONS: THE MATERIAL TYPE IS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING DESIGNATIONS:

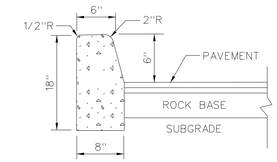
    RCP - REINFORCED CONCRETE PIPE, ASTM DESIGNATION C-76, CLASS III, WALL THICKNESS "B", LATEST EDITION.
    CMP - CORRUGATED METAL (ALUMINUM) PIPE, ASTM DESIGNATION M-196
    CMP (SMOOTH LINED) - CORRUGATED METAL ALUMINUM PIPE (SMOOTH LINES), ASTM DESIGNATION M-196
    SCP - SLOTTED CONCRETE PIPE, FDOT SECTIONS 941 AND 942.
    PVC - POLYVINYLCHLORIDE PIPE
    PCMP - PERFORATED CMP, FDOT SECTION 945
    DIP - DUCTILE IRON PIPE
    HDPEP - SMOOTH LINED HIGH DENSITY POLYETHYLENE, AASHTO M 294 TYPE S
16. ASPHALTIC CONCRETE TYPE S-III SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 331-1 THROUGH 331-6 OF F.D.O.T. STANDARD SPECIFICATIONS. ASPHALTIC CONCRETE TYPE S-1 SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 333-1 THROUGH 333-6 OF F.D.O.T. STANDARD SPECIFICATIONS.
17. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
18. CONCRETE FOR PRECAST MANHOLE AND CATCH BASINS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
19. REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO ASTM SPECIFICATION A-615 AND A-305, LATEST REVISION.
20. ALL RE-BAR SPLICES IN CONCRETE STRUCTURES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS.
21. ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATER TIGHT.
22. ALL SPACES AROUND PIPING ENTERING OR LEAVING MANHOLES AND CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2:1 CEMENT MORTAR.
23. JOINTS IN CORRUGATED ALUMINUM PIPE SHALL EMPLOY CORRUGATED METAL BANDS OF SIMILAR METAL AND CORRUGATIONS WITH NEOPRENE, RAM-NEK, OR BITUMASTIC GASKETS INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
24. REINFORCED CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION, AND AS MODIFIED BY SECTION 941 OF THE FLORIDA DOT STANDARD SPECIFICATIONS, LATEST REVISION.
26. ALL HANDICAP SPACES, RAMPS, AND ACCESS AREAS SHALL COMPLY IN STRICT ACCORDANCE WITH THE "AMERICAN DISABILITY ACT" (ADA) (28 CFR PART 36), AND "ACCESSIBILITY BY HANDICAPPED PERSONS", CHAPTER 553, PART V, FLORIDA STATUTES. ANY DISCREPANCY SHALL BE CALLED TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.
27. JOINTS IN HDPE PIPE SHALL BE ADS PRO LINK ST, HANCOR SURE-LOK OR APPROVED EQUAL.



NOTES

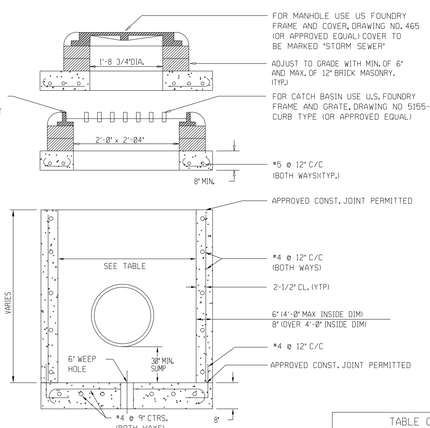
1. ALL CONCRETE SHALL BE 3000 PSI, 4" THICK 6" THICK (MIN.) AT DRIVEWAYS ONLY.
2. TYPE "A" JOINT TO BE USED AT P.C. AND PT OF CURVES AND JUNCTION OF EXISTING AND NEW SIDEWALK
3. TYPE "B" JOINT TO BE USED AT 5'-0" CENTER TO CENTER ON SIDEWALKS.
4. TYPE "C" JOINT TO BE USED WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.
5. SIDEWALK SLOPES SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (A.D.A.).
6. SIDEWALK SHALL BE CONSTRUCTED TO MEET THE ELEVATION OF THE ULTIMATE SECTION.
7. ALL MUCK AND / OR UNSUITABLE MATERIAL MUST BE REMOVED IN ITS ENTIRETY TO 3 FEET BEYOND LIMITS OF SIDEWALK AND REPLACE WITH CLEAN FILL.

CONCRETE SIDEWALK DETAIL



TYPE "D" CURB

NOTE: PLACES WHERE TYPE 'D' CURB ARE UTILIZED IN LIEU OF WHEELSTOPS THE STANDARD VERTICAL HEIGHT OF 6" SHALL BE MODIFIED TO 5"



DRAINAGE STRUCTURES

N.T.S.

TABLE OF INSIDE DIMENSIONS FOR RECTANGULAR STRUCTURES		
STRUCTURE TYPE	INLET	MANHOLE
B	3'-0" X 3'-0"	3'-0" X 3'-0"
C	3'-0" X 4'-0"	3'-0" X 4'-0"
D	3'-0" X 5'-0"	3'-0" X 5'-0"
F	4'-0" X 4'-0"	4'-0" X 4'-0"
G	4'-0" X 5'-0"	4'-0" X 5'-0"
H	5'-0" X 5'-0"	5'-0" X 5'-0"
J	6'-0" X 6'-0"	6'-0" X 6'-0"
K	4'-0" X 6'-0"	4'-0" X 6'-0"
L	3'-0" X 6'-0"	3'-0" X 6'-0"
M	5'-0" X 5'-0"	5'-0" X 5'-0"

DRAINAGE STRUCTURES SECTION DETAILS

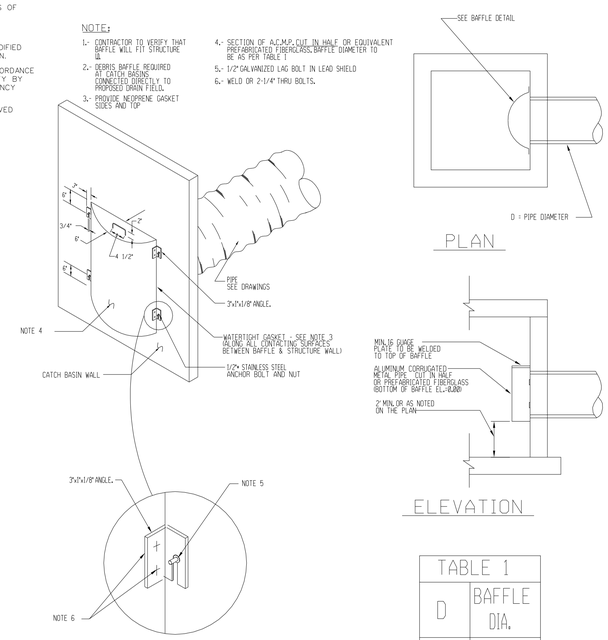
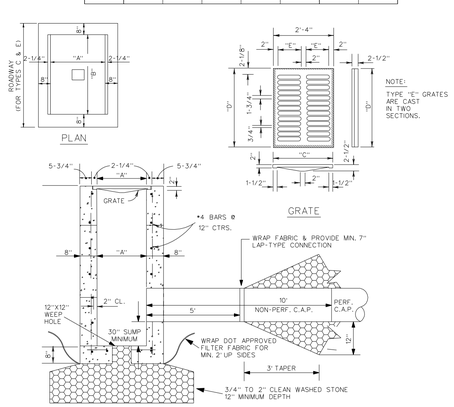


TABLE 1	
D	BAFFLE DIA.
10"	15"
15"	24"
18"	30"
24"	36"
30"	48"
36"	54"

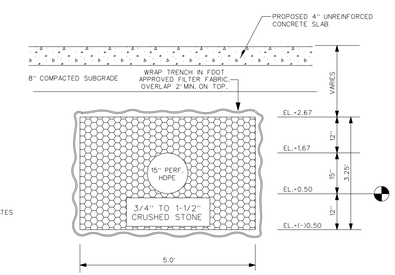
BRACKET DETAIL

POLLUTION RETARDANT BASIN DEBRIS BAFFLE DETAIL

TYPE INLET	DIMENSIONS					MAX. DIA. PIPE	
	"A"	"B"	"C"	"D"	"E"	"A"	"B"
"C"	2'-0"	3'-1"	2'-4"	3'-0"	11"	18"	30"
"D"	3'-0"	4'-6"	3'-4"	4'-4"	1'-5"	30"	48"



EXFILTRATION TRENCH



TRENCH CROSS SECTION

INLET NOTES

BEVELED EDGES: ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".

FOUNDATION MATERIAL: WHERE MATERIAL UNSATISFACTORY FOR FOUNDATION IS ENCOUNTERED, ALL SUCH MATERIAL MUST BE REMOVED DOWN TO SATISFACTORY MATERIAL AND BACKFILLED TO SUBGRADE WITH CLEAN SAND.

GRATES: CAST IRON IN ACCORDANCE WITH F.D.O.T. SPECIFICATIONS.

INLET TYPES: INLETS ARE TO BE CONSTRUCTED TO THE DIMENSIONS SHOWN HEREON. TYPE "E MOD." IS A TYPE "E" TURNED 90° TO RECEIVE R.C.P. UP TO 48" DIAMETER. INLETS RECEIVING PIPE LARGER THAN 48" DIAMETER SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS. SEE F.D.O.T. STANDARD INDEXES 200, 201, & 232.

MATERIAL: INLET WALLS AND BASES MAY BE EITHER CAST-IN-PLACE CLASS I, 2500 P.S.I. CONCRETE OR PRECAST CLASS II, 4000 P.S.I. CONCRETE.

POLLUTION CONTROL DEVICES: "SPECIAL" INLETS SHALL HAVE POLLUTION CONTROL DEVICE INSTALLED, CONSISTING OF HALF-ROUND GALVANIZED STEEL PLATE, OPEN AT THE BOTTOM, WELDED CLOSED AT TOP (OPTIONAL).

LOCKDOWN: PROVIDE EYEBOLT PER F.D.O.T. STANDARD INDEX 201.

BACKFILL NOTES

COMPACT TRENCH BACKFILL AND SOIL WITHIN MIN. 5' OF TRENCH TO MIN. 95% OF MAX. DRY DENSITY PER ASTM D-1557.

REVISIONS: 1. 2. 3. 4. 5. 6. 7. 8.

CLIENT: Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT: Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK: CONSTRUCTION DETAILS

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
• CONSTRUCTION MANAGERS
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Phone: (954) 986-9800
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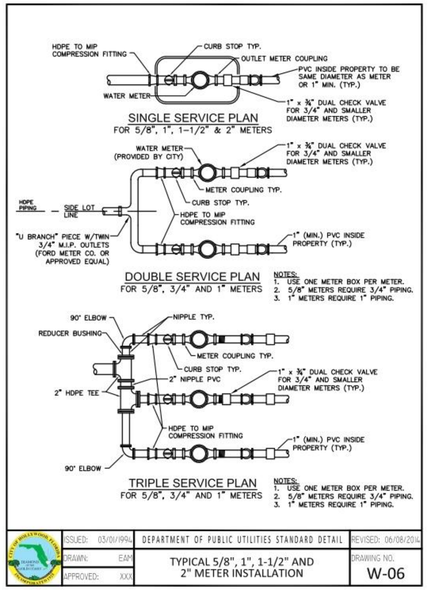
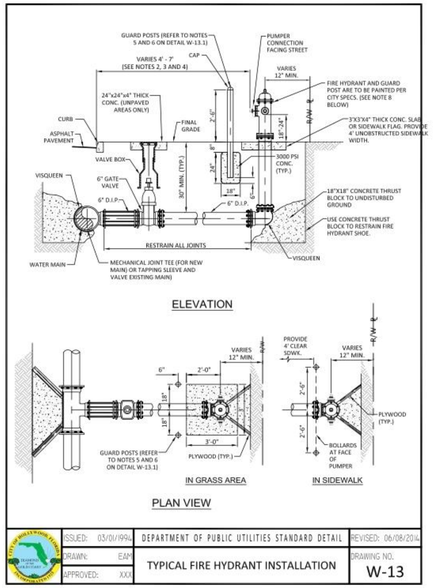
email: gary@gbengineering.com

DATE: Sept. 2018	SCALE: N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.
PROJECT NO. 18-0618	
SHEET C-2	

GARY G. BLOOM, P.E.
FLA. LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER



ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	TYPICAL 5/8", 1", 1-1/2" AND 2" METER INSTALLATION	DRAWING NO. W-06
APPROVED: XXX		

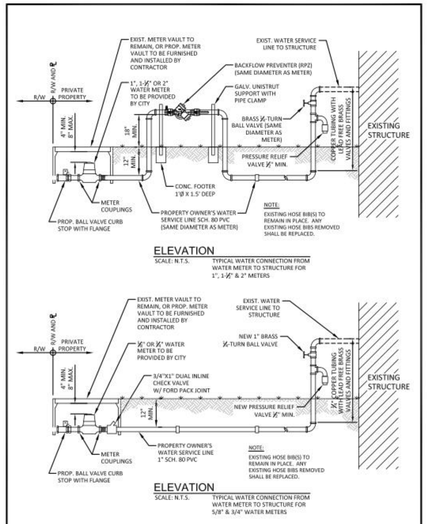


ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	TYPICAL FIRE HYDRANT INSTALLATION	DRAWING NO. W-13
APPROVED: XXX		

NOTES:

1. IN ALL CASES, PROVIDE 4' UNOBSTRUCTED SIDEWALK CLEAR OF THE FIRE HYDRANT AND BOLLARDS.
2. FIRE HYDRANTS SHALL BE LOCATED BETWEEN 4' AND 7' FROM THE FACE OF CURB.
3. FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN A RADIUS OR WITHIN FDOT CLEAR DRIVING ZONE.
4. WITHIN FDOT R/W, WHERE SPACE IS RESTRICTED THE FIRE HYDRANT MAY BE LOCATED 2' FROM THE FACE OF THE CURB AS LONG AS THERE IS A MINIMUM 4' UNOBSTRUCTED SIDEWALK BEHIND THE HYDRANT, AND THE HYDRANT BASE IS 4" OR LESS FROM GRADE IN ACCORDANCE WITH F.D.O.T. INDEX 700.
5. GUARD POSTS SHALL NOT BE ALLOWED WITHIN FDOT R/W.
6. OTHER THAN FDOT R/W, GUARD POSTS SHALL BE INSTALLED AS REQUIRED FOR SAFETY OR AS APPROVED BY THE DEPT. OF PUBLIC UTILITIES. IN SIDEWALK, LOCATE GUARD POSTS AT THE FACE OF THE PUMPER AND 2'-6' LEFT/RIGHT OF ℄ OF THE FIRE HYDRANT.EXTRA POSTS MAY BE REQUIRED IN INDUSTRIAL AND CONGESTED TRAFFIC AREAS. (4 POSTS MAX.)
7. FIRE HYDRANT CONCRETE SLAB AND CONCRETE GUARD POST FOOTINGS SHALL BE DIFFERENT POURS.
8. THE FIRE HYDRANT BONNET, OPERATING NUT, HOLD-DOWN NUT, PUMPER CAP AND HOSE CAPS SHALL BE PAINTED GREEN, AND THE HYDRANT UPPER BARREL SHALL BE PAINTED SILVER IN ACCORDANCE WITH CITY SPECIFICATIONS.

ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	TYPICAL FIRE HYDRANT NOTES	DRAWING NO. W-13.1
APPROVED: XXX		

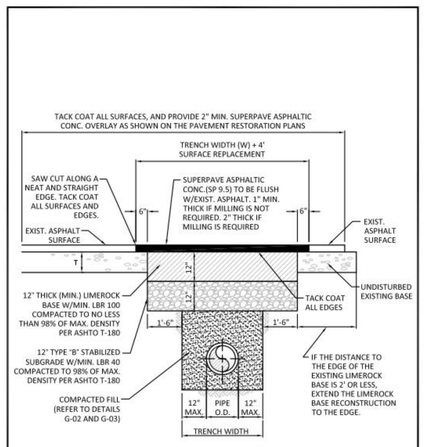


ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/08/2016
DRAWN: EAM	TYPICAL WATER SERVICE FROM METER TO STRUCTURE FOR 5/8" THROUGH 2" METERS	DRAWING NO. W-10
APPROVED: XXX		

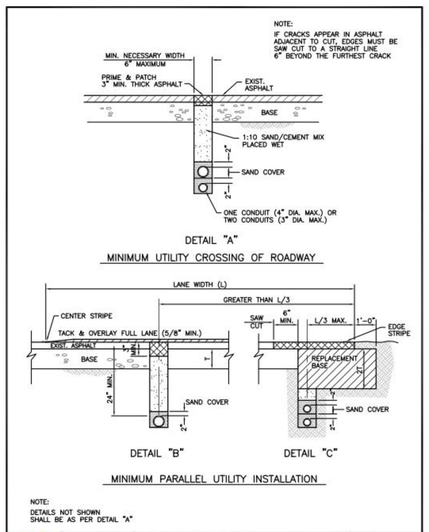
FLEXIBLE PAVEMENT RESTORATION NOTES:

1. THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY. FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES.
2. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%. REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK".
3. LIMEROCK BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
4. STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
5. BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
6. ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
7. RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS.
8. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED FOR A SMOOTH, FLUSH TRANSITION TO EXISTING PAVEMENT.
9. IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
10. REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES.
11. WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK. REGARDLESS OF THE EXTENT OF IMPACT, THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER.

ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION NOTES	DRAWING NO. G-12
APPROVED: XXX		



ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION FOR TRENCHES CUT PERPENDICULAR AND PARALLEL TO THE ROADWAY	DRAWING NO. G-12.1
APPROVED: XXX		



ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2016
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION FOR CONDUIT	DRAWING NO. G-12.2
APPROVED: XXX		

REVISIONS:
1. 2. 3. 4. 5. 6. 7. 8.

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(954) 920-5746

PROJECT:
Mixed Use
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HOLLYWOOD FLORIDA 33019

TASK:
CONSTRUCTION DETAILS

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DATE: Sept. 2018	SCALE: N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 18-0618

SHEET C-3

GARY G. BLOOM, P.E.
FLA LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

WATER SYSTEM:

ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO STANDARDS OF THE LOCAL MUNICIPALITY AND APPLICABLE DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES STANDARDS. NO PHYSICAL CONNECTION OF NEW WATER MAINS TO ACTIVATE WATER MAINS SHALL BE MADE UNTIL SUCH TIME THAT THE NEW MAINS ARE CONFIRMED TO BE BACTERIOLOGICALLY SAFE AND THE HEALTH DEPARTMENT RELEASE HAS BEEN OBTAINED. TEMPORARY CONNECTIONS OF NEW MAINS TO ACTIVE MAINS FOR THE PURPOSE OF FILLING AND FLUSHING SHALL BE MADE BY A METHOD DEEMED ACCEPTABLE TO THE UTILITY PROVIDING SERVICE.

ALL WATER MAINS SHALL BE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI AND HAVE COMPRESSION TYPE BELL AND SPIGOT JOINTS.

THE WATER SYSTEM SHALL BE HYDROSTATICALLY PRESSURE TESTED AND DISINFECTED PER AWWA / ANSI C651/05 AND TESTED FOR A PERIOD OF 2 HOURS AT NOT LESS THAN 150 PSI IN ACCORDANCE WITH ANSI / AWWA STANDARD C600-05 WITH AN ALLOWABLE LEAKAGE AS DETERMINED BY THE FOLLOWING FORMULA:

$L = S\ D\ P^{0.5} / 148{,}000$ WHERE:
L = ALLOWABLE LEAKAGE IN GALLONS / HOUR
S = PIPE LENGTH IN FEET
D = NOMINAL DIAMETER OF PIPE IN INCHES
P = AVERAGE TEST PRESSURE IN PSI

TEST PRESSURE SHALL NOT VARY MORE THAN 5 PSI THROUGHOUT THE TEST.THE MAXIMUM ALLOWABLE LEAKAGE SHALL BE BASED ON A MAXIMUM 2000 FEET WHEN THE LENGTH OF PIPE TESTED EXCEEDS 2000 FEET. THRUST BLOCKS AS SHOWN ON THE DETAIL SHEETS SHALL BE PROVIDED AT ALL BENDS UNLESS NOTED OTHERWISE ON PLANS. IF RESTRAINT JOINT PIPE ISSPECIFIED ON THE PLANS, IT SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF THE PIPE MANUFACTURER AND THE UTILITY DEPARTMENT.NO CONCRETE THRUST BLOCKS WILL BE ALLOWED EXCEPT FOR FIRE HYDRANTS.

BACTERIOLOGICAL TESTING SHALL BE IN ACCORDANCE WITH AWWA / ANSI C651-05 LATEST REVISION.

PVC WATER MAIN PIPE (BLUE) SHALL MEET THE REQUIREMENTS OF AWWA C-900.97 "POLYVINYL CHLORIDE (PVC) PRESSURE PIPE", CLASS 150 PIPE SHALL CONFORM TO REQUIREMENT OF SDR 18.

ALL PVC PIPE SHALL BE SUITABLE FOR USE AS A PRESSURE CONDUIT.PROVISIONS MUST BE MADE FOR EXPANSION AND CONTRACTION AT EACH JOINT WITH AN ELASTOMERIC RING. THE BELL SHALL CONSIST OF AN INTEGRAL WALL SECTION WITH AN ELASTOMERIC RING WHICH MEETS THE REQUIREMENTS OF ASTM F-477 STANDARD SPECIFICATIONS FOR ELASTOMERIC SEALS (GASKETS FOR JOINTING PLASTIC PIPE). THE WALL THICKNESS IN THE BELL SECTION SHALL CONFORM TO THE REQUIREMENTSOF ASTM D-3139.

PVC PIPE SHALL BE DELIVERED TO THE JOB SITE FROM THE FACTORY AND STORED AT THE JOB SITE IN PALLETIZED UNITS OR BUNDLES TO PREVENT UNNECESSARY DEFLECTION PRIOR TO INSTALLATION. EACH PALLETIZED UNIT SHALL BE SIZED TO LIMIT THE STACKING OF PIPE NOT MORE THAN SIXTY (60) INCHES HIGH OR AS APPROVED BY THE ENGINEER.

CARE SHALL BE TAKEN DURING THE TRANSPORTING OF THE PIPE TO INSURE THAT THE BINDING AND TIE DOWN METHODS DO NOT DAMAGE OR DEFLECT THE PIPE IN ANY MANNER. PIPE BENT, DEFLECTED, OR OTHERWISE DAMAGED DURING SHIPPING WILL BE REJECTED.

PVC MAINS SHALL BE LAID WITH A MINIMUM OF 36" CLEAR COVER.

FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON PRESSURE CLASS 350 THROUGH 12". ALL FITTINGS SHALL BE CEMENT MORTAR LINED AND SEALED THE SAME AS PIPE IN ACCORDANCE WITH AWWA/ANSI C110/A21.10-03.

PVC AND D.I.P. PIPE SHALL BE DEFLECTED NO MORE THAN ONE HALF(1/2) THE MANUFACTURERS RECOMMENDATION.

JOINTS FOR BELL AND SPIGOT PVC/DIP PIPE AND FITTINGS SHALL BE MECHANICAL OR RUBBER GASKET(EITHER ON SPIGOT OR IN BELL)COMPRESSION TYPE AS SPECIFIED IN ACCORDANCE WITH AWWA/ANSI STANDARD C111/A21.11-00. SPECIAL FITTINGS AND JOINTS SHALL BE CONSIDERED FOR SPECIFIC INSTALLATION.

ALL WATER MAINS SHALL HAVE CONTINUOUS DETECTOR TAPE 18 INCHES BELOW GRADE ALONG ALL WATER MAINS. DETECTOR TAPE SHALL HAVE BLUE SIDE-UP. A 14 GAUGE MULTI STRAND WIRE SHALL BE ATTACHED TO ALL NON-CONDUCTIVE WATER MAIN TO FACILITATE FUTURE LOCATION. AN EXTRA 4' OF WIRE SHALL BE PROVIDED AT BLOWOFFS, FIRE HYDRANTS, ETC.

POLYETHYLENE ENCASEMENT/WRAP SHALL BE INSTALLED ON ALL IRON PIPESINCLUDING VALVES, FITTINGS, SLEEVES, HYDRANTS, ETC. POLYWRAP SHALL BE INSTALLED IN ACCORDANCE WITH THE MINIMUM ANSI/AWWA C105/A21.5-05 STANDARDS.

DUCTILE IRON WATER MAIN SEALCOAT SHALL BE COAL TAR EPOXY OR ASPHALT.

DUCTILE IRON PIPE JOINTS SHALL BE PUSH-ON TYPE AND RESTRAINED A MINIMUM DISTANCE AS SPECIFIED IN RESTRAINEND DETAIL ON APPLICABLE DETAIL SHEET, USING MEGA-LUG OR APPROVED EQUAL USING TR-FLEX U.S. PIPE OR FLEX RING BY AMERICAN PIPE.

WATER MAIN STUBS FOR FUTURE EXTENSION INCLUDING ALL FITTINGS BACK TO TEE (IF STUB LENGHTS IS LEES THAN TWO PIPE LENGTH)LENGHTS WILL BE RESTRAINT JOINT PIPE FOR THE LAST TWO LENGTHS. (AS REQUIRED BY ENGINEER OR UTILITY DEPT.)

DUCTILE IRON PIPE SHALL BE CLASS 350 AND SHALL BE CEMENT LINED AND SEALCOATED IN ACCORDANCE WITH AWWA / ANSI STANDARD C151/A21.51-02. WATER MAINS SHALL BE LAID WITH A MINIMUM 30" CLEAR COVER. DUCTILE IRON FITTINGS SHALL BE CLASS 350 THROUGH 12" AND CLASS 250 IN SIZES 16" AND LARGER. ALL FITTINGS SHALL BE CEMENT LINED AND SEALCOATED THE SAME AS PIPE IN ACCORDANCE WITH AWWA / ANSI STANDARDS C104/A21.4-03 AND C153/A21.53-00. NEOPRENE GASKETS SHALL BE USED.

ALL WATER MAINS SHALL BE BEDDED AND BACKFILLED PER STANDARD TRENCH DETAILS.

CONTRACTOR IS RESPONSIBLE FOR THE EXISTING ON-SITE WATER SYSTEM UNTIL FINAL INSPECTION, CERTIFICATION AND APPROVAL BY THE UTILITY.

CONTRACTOR IS RESPONSIBLE WHETHER, OR NOT NOTED ON PLANS FOR RAISING OR LOWERING OF EXISTING GATE VALVE BOXES, METER BOXES, ETC. THAT MAY NEED ADJUSTMENT TO MEET PROPOSED FINISH GRADES.

ALL EXISTING WATER MAINS AND COMPONENTS DESIGNATED FOR REMOVAL ARE THE PROPERTY OF THE UTILITY. MATERIALS SHALL BE REMOVED FROM THE GROUND AS CAREFULLY AS POSSIBLE AND SALVAGED FOR UTILITY.SHOULD UTILITY REFUSE SAID WATER COMPONENTS, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR OFF-SITE DISPOSAL.

CONTRACTOR TO REFER TO ARCHITECTURAL (PLUMBING) PLANS TO CONFIRM LOCATIONS AND ELEVATIONS OF ALL WATER FIRE AND SEWER BUILDING CONNECTIONS.

DEVELOPER IS RESPONSIBLE TO DEDICATE UTILITY EASEMENTS TO THE UTILITY FOR ALL PUBLIC WATER MAINS THAT ARE TO BE ULTIMATELY OWNED AND MAINTAINED BY THE UTILITY. EASEMENTS TO BE GRANTED UPON THE CONCLUSION OF THE WORK FROM AS-BUILT PIPE LOCATIONS, UNLESS OTHERWISE REQUIRED BY THE UTILITY.

CONTRACTOR IS RESPONSIBLE TO DELIVER AS-BUILT WATER PLANS, MYLAR, AND COMPUTER DISK TO THE ENGINEER OF RECORD PRIOR TO FINAL CERTIFICATION TO THE UTILITY. AS-BUILTS SHALL BE SIGNED AND SEALED BY A REGISTERED FLORIDA SURVEYOR.

MAINTAIN A 10-FOOT HORIZONTAL CLEARANCE BETWEEN ALL UTILITIES AND BUILDING STRUCTURES, UNLESS OTHERWISE SHOWN ON THE PLANS.

LANDSCAPING SHALL NOT BE INSTALLED WITHIN 6' OF ALL WATER MAINS AND SERVICES OR WITHIN A 5' RADIUS OF ALL FIRE HYDRANTS, UNLESS APPROVED BY THE ENGINEER.

WATER MAINS SHALL BE DEFLECTED OVER DRAINAGE AT ALL CONFLICTS.

ALL WATER SERVICES SHALL TERMINATE A MINIMUM OR 5' FROM BUILDING.

UNDERGROUND WATER MAINS AND FIRE HYDRANTS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO BUILDING CONSTRUCTION AS REQUIRED BY THE LOCAL FIRE DEPARTMENT AND THE SOUTH FLORIDA BUILDING CODE, LATEST REVISION.

ALL WATER MAIN INSTALLATION SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 FAC.

WATER SERVICE LINES:

WATER SERVICES SHALL BE POLYETHYLENE TUBING (PE 3408) COMPLYING WITH APPLICABLE REQUIREMENTS FOR PE, AWWA C902-02 HIGH MOLECULAR WEIGHT PLASTIC MATERIAL ASTM D-2666, 250 PSI RATING (CTS-OD) SDR 9. SERVICE PIPE SHALL BE INSTALLED AS A SINGLE RUN WITHOUT UNIONS.

JOINTS FOR TUBING SHALL BE OF THE COMPRESSION TYPE UTILIZING A TOTALLY CONFINED GRIP SEAL AND COUPLING NUT. STAINLESS STEEL TUBE STIFFENER INSERTS SHALL ALSO BE USED FOR TUBING SERVICES.

SERVICE LINES SHALL BE MARKED WITH 2" X 4" POST PAINTED BLUE.

ALL WATER SERVICES SHALL BE BEDDED AND BACKFILLED PER STANDARD TRENCH DETAIL.

PIPE DEFLECTION SHALL BE NO MORE THAN ONE HALF OF THE MANUFACTURER'S RECOMMENDATION.

MINIMUM COVER SHALL BE 24".

ALL WATER SERVICE LINES UNDER PAVED AREAS SHALL BE SLEEVED IN SCHEDULE 40 PVC AND SHALL BE OF ONE SINGLE LENGTH WITHOUT UNIONS.

FORD STAINLESS INSERTS ARE REQUIRED FOR PLASTIC PIPE.

GATE VALVES:

GATE VALVES 4" AND LARGER SHALL BE MECHANICAL JOINT TYPE AND COMPLY WITH AWWA / ANSI STANDARD C509-01.

MECHANICAL JOINTS SHALL CONFORM TO AWWA / ANSI C111/A21.11-00

ALL GATE VALVES ARE TO BE IRON BODY, BRONZE MOUNTED, DOUBLE DISK, NON-RISING STEM, RESILIENT SEAT TYPE, OPENING LEFT (COUNTER CLOCKWISE). THE INTERIOR LINING SHALL BE FUSION BONDED EPOXY ACCORDING TO AWWA 550-90 AND AN EXTERIOR EPOXY COAT (BOTH 40 MILLS DFT.)

GATE VALVES 4" TO 12" SHALL HAVE A MAXIMUM WORKING PRESSURE OF 200 PSI AND BE TESTED AT 400 PSI. GATE VALVES SHALL BE RESILIENT SEATED MUELLER, CLOW RESILIENT WEDGE, M & H, OR APPROVED EQUAL, WITH RESTRAINT JOINTS.

GATE VALVES UNDER 4" IN SIZE SHALL BE BRONZE GATE VALVES CONFORMING TO MSS STANDARD PRACTICE SP-37. THEY SHALL BE DOUBLE DISK, NON-RISING STEM, OPEN LEFT (COUNTER CLOCKWISE) WITH OPERATING WHEEL. PEWTER AND POT METAL OPERATING WHEELS SHALL NOT BE PERMITTED. GATE VALVES SHALL MEET AWWA C500-02 STANDARDS.

VALVE BOXES SHALL BE CAST IRON EXTENSION TYPE WITH NOT LESS THAN 5-1/4" DIAMETER SHAFT AND WITH COVERS MARKED "WATER", PAINTED BLUE. USF 7500 OR APPROVED EQUAL.

GATE VALVES 18" AND LARGER WILL BE SUBSTITUTED WITH BUTTERFLY VALVES AS MANUFACTURED BY PRATT, DEZURIK, CLOW, OR APPROVED EQUAL.

BUTTERFLY VALVES ARE TO BE CAST OR DUCTILE IRON BODY; ALLOY CAST IRON OR DUCTILE IRON DISK; BODY MOUNTED ADJUSTABLE SEAT; ONE-PIECE STAINLESS STEEL SHAFT; SHORT OR LONG BODY TYPE; WITH THE VALVE CLASS, SHAFT SIZE AND OTHER SPECIAL REQUIREMENTS SELECTED IN ACCORDANCE WITH THE SPECIFIC DESIGN; AND ARE TO COMPLY WITH THE PROVISIONS OF AWWA C504-00, "RUBBER SEATED BUTTERFLY VALVES."

VALVE OPERATION IS TO BE APPROVED GEAR ACTUATORS, WITH SEALED ENCLOSURES FOR BURIED OR SUBMERGED SERVICE. POSITION INDICATORS WILL BE FURNISHED AS REQUIRED. UNITS ARE TO BE EQUIPPED WITH 2" ACTUATING NUTS, CAST IRON HANDWHEELS, OR CHAIN OPERATORS, WITH GALVANIZED STEEL CHAINS, AS APPROPRIATE FOR THE INSTALLATION. APPURTENANCES ARE TO BE FURNISHED BY THE VALVE MANUFACTURER.

WATER SERVICE FITTINGS:

METER VALVES (ASTM B-62 LATEST) SHALL BE FORD ANGLE STOPS MODEL #KV43-342W FOR SINGLE SERVICES AND FORD MODEL #UV63-42W FOR DOUBLE SERVICES OR APPROVED EQUAL.

CURB STOPS SHALL BE OF THE INVERTED KEY TYPE WITH TEE-HEAD SHUT OFF. CURB STOPS SHALL BE MADE OF BRASS ALLOY IN ACCORDANCE WITH ASTM SPECIFICATION B62-82A.

METER VALVES AND CORPORATION STOPS (FORD BALL CORP. NO. FC 202) SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE WITH ASTM SPECIFICATION B62-82A WITH EPOXY COATED DUCTILE IRON BODY STAINLESS STEEL SERVICE SADDLES BY FORD.

INLET THREAD FOR METER VALVES AND CURB STOPS SHALL BE AWWA TAPER THREAD IN ALL SIZES IN ACCORDANCE WITH ANSI / AWWA STANDARD C800-05. OUTLET CONNECTIONS SHALL HAVE A COMPRESSION TYPE FITTING SAME AS VALVES.

CONTRACTOR TO REVIEW WATER DETAILS TO DETERMINE EXTENT OF JURISDICTION OF WATER SERVICE AND METER MATERIALS (METERS, ETC.) SUPPLIED AND INSTALLED BY UTILITY.

FIRE HYDRANTS:

ALL FIRE HYDRANTS SHALL COMPLY WITH AWWA / ANSI STANDARD C502-05 AND THE FOLLOWING DESIGN STANDARDS:

THE FIRE HYDRANTS SHALL BE OF THE COMPRESSION TYPE, OPENING AGAINST THE PRESSURE AND CLOSING WITH THE LINE PRESSURE WITH (1)-5 1/4" VALVE OPENING. THE HYDRANT SHALL BE EQUIPPED WITH (2)-2 1/2" HOSE NOZZLES AND (1)-5 1/4" PUMPER NOZZLE.

FIRE HYDRANTS SHALL BE FURNISHED WITH A SEALED OIL OR GREASE RESERVOIR LOCATED IN THE BONNET SO THAT ALL THREADED AND BEARING SURFACES ARE AUTOMATICALLY LUBRICATED WHEN THE HYDRANT IS OPERATED. THE HYDRANT WILL BE DESIGNED FOR DISASSEMBLY BY USE OF A SHORT DISASSEMBLY WRENCH OR THE HYDRANT SHOE SHALL HAVE INTEGRAL CAST TIE BACK LUGS ON THE MAIN VALVE TO PERMIT THE MAIN VALVE ASSEMBLY AND VALVE SEAT TO BE REMOVED WITHOUT DIGGING EARTH OR DISASSEMBLING THE HYDRANT BARREL.

FIRE HYDRANTS SHALL BE FURNISHED WITH A BREAKABLE FEATURE THAT WILL BREAK CLEANLY UPON IMPACT. THIS SHALL CONSIST OF A TWO PART BREAKABLE SAFETY FLANGE WITH A BREAKABLE STEM COUPLING. THE UPPER AND LOWER BARRELS SHALL BE FLUTED AND RIBBED ABOVE AND BELOW THE SAFETY FLANGE OR HAVE AN EXTRA STRENGTH LOWER BARREL.

THE FIRE HYDRANT INTERNAL VALVE SHALL BE 5 1/4" MINIMUM. THE PENTAGONAL OPERATING NUTS AND THE CAP NUTS SHALL BE 1 1/2" POINT TO FLAT. DRAIN VALVE OUTLETS FOR THE HYDRANTS SHALL BE PLUGGED OR OMITTED. THE HYDRANTS SHALL OPEN COUNTER CLOCKWISE AND THE DIRECTION OF OPENING SHALL BE CAST ON THE TOP. THE BURY LENGTH, MEASURED FROM THE BOTTOM OF THE CONNECTING PIPE TO THE GROUND LINE AT THE HYDRANT SHALL BE THREE FEET SIX INCHES (42") MINIMUM OR AS REQUIRED BY PLAN.

THE HYDRANT SHALL BE EQUIPPED WITH A 6" MINIMUM MECHANICAL JOINT BASE INLET UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

FIRE HYDRANTS SHALL BE MUELLER PAINTED TRAFFIC RED OR AS OTHERWISE SPECIFIED ON PLANS, OR AS REQUIRED BY THE LOCAL UTILITY COMPANY.

REFER TO WATER DETAILS FOR OTHER REQUIREMENTS / INFORMATION RELATED TO FIRE HYDRANTS.

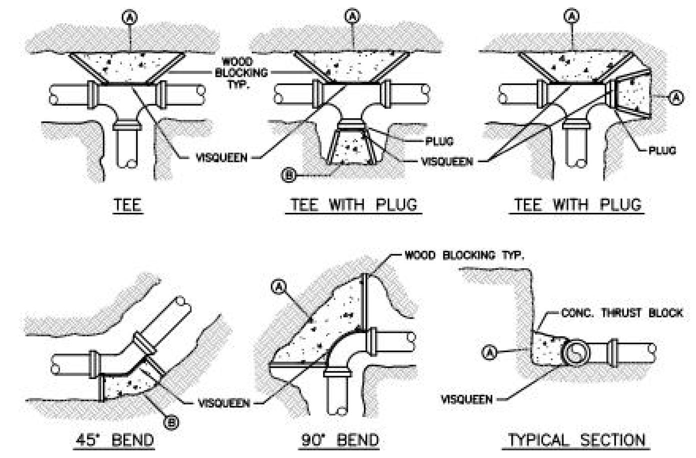
SANITARY SEWER:

ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO STANDARDS OF THE BROWARD COUNTY BUILDING DEPARTMENT, LOCAL MUNICIPALITY AND THE WATER RESOURCE DIVISION, BROWARD COUNTY DEPARTMENT OF NATURAL RESOURCE PROTECTION.

UNLESS OTHERWISE NOTED OR APPROVED, ALL GRAVITY MAINS AND SERVICES UP TO 5' OUTSIDE OF BUILDING SHALL BE 8" UNPLASTICIZED POLYVINYL CHLORIDE (PVC) NONPRESSURE PIPE CONFORMING TO ASTM D3034 AND SDR 35 WITH INTEGRAL WALL BELL AND SPIGOT JOINTS FOR PUSH-ON RUBBER GASKET TYPE JOINT SEALS CONFORMING TO ASTM D1869, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

PVC FITTINGS SHALL BE OF MONOLITHIC CONSTRUCTION OF THE TYPE SPECIFIED BY THE MANUFACTURER OF THE PIPE BEING USED. NO SOLVENT WELDS OR THREADED JOINTS WILL BE PERMITTED. ALL JOINTS SHALL BE COMPRESSION GASKET TYPE.

THE JOINING OF PIPE ON THE JOB SHALL BE DONE IN STRICT ACCORDANCE WITH THE PIPE MANUFACTURER'S INSTRUCTIONS AND SHALL BE DONE ENTIRELY IN THE TRENCH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

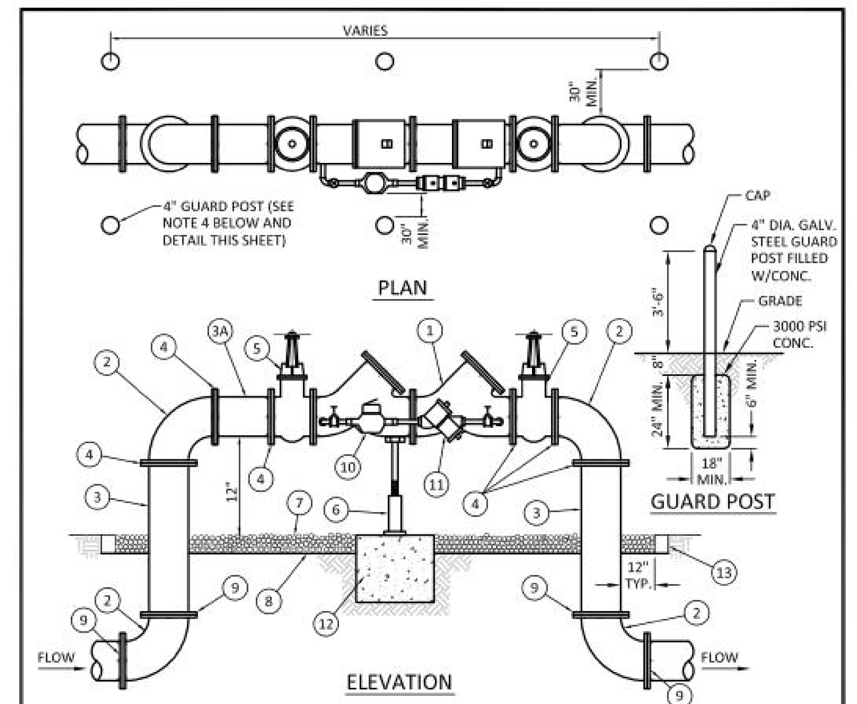


MINIMUM CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL (SQ. FT.)				
MARK	PIPE SIZE			
	4" OR 6"	8"	10"	12"
A				
B				

NOTES:

1. THRUST BLOCKS ARE TO BE USED IN COMBINATION WITH, AND NOT IN LIEU OF, MECHANICAL JOINT RESTRAINTS AS REQUIRED BY THE CITY. REFER TO THRUST RESTRAINT DESIGN TABLE IN STANDARD DETAIL G-10.
2. THE AREAS IN THE TABLE ARE BASED ON _____ POUNDS PER SQUARE FOOT SOIL BEARING AGAINST THE UNDISTURBED TRENCH WALL AND ARE TO REPRESENT THE MINIMUM VERTICAL PROJECTED AREA AT THE THRUST BLOCK IN A PLANE PERPENDICULAR TO THE LINE BISECTING THE INCLUDING ANGLE OF THE FITTING.
3. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EVACUATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
4. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
5. DO NOT COVER COUPLING OR JOINTS WITH CONCRETE.
6. CONCRETE TO BE 2500 P.S.I. MINIMUM 28 DAY STRENGTH.
7. TABLE TO BE COMPLETED BY DESIGN ENGINEER.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	THRUST BLOCK DESIGN	DRAWING NO. G-10
APPROVED: XXX		



MATERIALS					
ITEM	QTY.	DESCRIPTION	ITEM	QTY.	DESCRIPTION
1	1	4",6",8" VALVE,DOUBLE CHECK	7	N/A	PEA GRAVEL (4" DEEP)
2	4	4",6",8" BEND-90°	8	N/A	PLASTIC LINER/WEED STOP (5 MILS)
3	2	4",6",8" D.I.P. SPOOL PIECE	9	4	RESTRAINED JOINTS
3A	1	4",6",8" D.I.P. SPOOL PIECE (24" LONG)	10	1	LOW FLOW METER
4	7	4",6",8" FLANGE, D.I.P.	11	1	VALVE, BYPASS DOUBLE CHECK
5	2	4",6",8" GATE VALVE (SEE NOTE 6)	12	1	16"X16"X16" CONC. SUPPORT
6	1	SCREW JACK/ANCHORED	13	1	P.T. 2X4 LUMBER ALL AROUND

NOTES:

1. FIELD ADJUST AND CUT ITEM 3 TO THE PROPER LENGTH.
2. ALL PIPING SHALL BE D.I.P. CL 50/52 AS APPLICABLE TO MINIMUM STANDARDS.
3. ALL LOW FLOW METER PIPING SHALL BE BRASS OR COPPER.
4. PROTECTIVE 4" GALV. GUARD POSTS SHALL BE SPACED EVENLY APART AS SHOWN ABOVE OR IN ACCORDANCE WITH INSPECTOR'S DIRECTIONS.
5. MAY USE 45° BENDS (SEE DETAIL W-07.2) WHEN WORKING AREA IS NOT LIMITED, AS DIRECTED BY CITY.
6. GATE VALVES SHALL BE CHAINED AND LOCKED TOGETHER TO PREVENT TAMPERING.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL 4", 6" AND 8" DOUBLE CHECK DETECTOR ASSEMBLY FOR FIRE SPRINKLER SERVICE (90° BENDS)	DRAWING NO. W-03
APPROVED: XXX		

WATER NOTES:

1. NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE.
2. NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE. [FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)].
3. AT ALL UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE, OR THE PIPES WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. [FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)].
4. NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON PIPE (D.I.P.) WHEN CROSSING BELOW SANITARY SEWER MAINS.
5. POLYETHYLENE ENCASEMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE, FITTINGS, VALVES, RODS, AND APPURTENANCES IN ACCORDANCE WITH AWWA C105, METHOD A. THE POLYETHYLENE TUBING SHALL BE CUT TWO FEET LONGER THAN THE PIPE SECTION AND SHALL OVERLAP THE ENDS OF THE PIPE BY ONE FOOT. THE POLYETHYLENE TUBING SHALL BE GATHERED AND LAPPED TO PROVIDE A SNUG FIT AND SHALL BE SECURED AT QUARTER POINTS WITH POLYETHYLENE TAPE. EACH END OF THE POLYETHYLENE TUBING SHALL BE SECURED WITH A WRAP OF POLYETHYLENE TAPE.
6. THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND BEDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATERTIGHT ENCLOSURE. DAMAGED POLYETHYLENE TUBING SHALL BE REPAIRED IN A WORKMANLIKE MANNER USING POLYETHYLENE TAPE, OR THE DAMAGED SECTION SHALL BE REPLACED. POLY WRAP WILL NOT BE PAID FOR AS A SEPARATE BID ITEM. IT SHALL BE CONSIDERED TO BE A PART OF THE PRICE BID FOR WATER MAINS.
7. FIRE HYDRANT BARRELS SHALL BE ENCASED IN POLY WRAP UP TO THE GROUND SURFACE AND THE WEEP HOLES SHALL NOT BE COVERED BY THE POLY WRAP.
8. GATE VALVES FOR USE WITH PIPE LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE RATED FOR TWO HUNDRED (200) PSI WORKING PRESSURE, NON-SHOCK, BLOCK PATTERN, SCREWED BONNET, NON-RISING STEM, BRASS BODY, AND SOLID WEDGE. THEY SHALL BE STANDARD THREADED FOR PVC PIPE AND HAVE A MALLEABLE IRON HANDWHEEL. GATE VALVES LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE NIBCO-SCOTT T-113 LF WITH NO SUBSTITUTIONS ALLOWED. LARGE GATE VALVES OVER 3" THRU 16" IN DIAMETER, MUST BE RESILIENT SEAT AND BIDIRECTIONAL FLOW ONLY. MANUFACTURERS: MUELLER, AMERICAN DARLING, AVK, OR CITY APPROVED EQUAL. VALVES FOR SPECIAL APPLICATION WILL REQUIRE CITY UTILITY APPROVAL.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	WATER SYSTEM NOTES	DRAWING NO. W-01
APPROVED: XXX		

WATER NOTES CONTINUED:

9. VALVE BOXES AND COVERS FOR ALL SIZE VALVES SHALL BE OF CAST IRON CONSTRUCTION AND ADJUSTABLE SCREW-ON TYPE. THE LID SHALL HAVE CAST IN THE METAL THE WORD "WATER" FOR THE WATER LINES. ALL VALVE BOXES SHALL BE SIX INCH (6") NOMINAL DIAMETER AND SHALL BE SUITABLE FOR DEPTHS OF THE PARTICULAR VALVE. THE STEM OF THE BURIED VALVE SHALL BE WITHIN TWENTY-FOUR INCHES (24") OF THE FINISHED GRADE UNLESS OTHERWISE APPROVED BY THE CITY. VALVE BOXES SHALL BE TYLER BRAND, NO SUBSTITUTES.
10. FIRE HYDRANTS: PRESENTLY CITY OF HOLLYWOOD UTILITIES SPECIFICATIONS ALLOW ONLY MANUFACTURERS: MUELLER MODEL SUPER CENTURION 200 5¼" SIZE REFERENCE CATALOG NO. A-423 AND AMERICAN DARLING MODEL B-84-B 5¼" SIZE. ANY DEVIATION FROM REQUIRED SPECIFICATIONS WILL REQUIRE CITY OF HOLLYWOOD UTILITIES APPROVAL.
11. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.
12. ALL PVC PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C900 LATEST REVISION AND CLASS DR 18. ALL DIP WATER MAINS SHALL BE DUCTILE IRON PRESSURE CLASS 350, WITH WALL THICKNESS COMPLYING WITH CLASS 52. ALL DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C151/A21.51-02 AND BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21.4-03.
13. FITTINGS SHALL BE DUCTILE IRON, MEETING ANSI/AWWA C153/A21.53-00 SPECIFICATIONS, WITH 350 PSI MINIMUM WORKING PRESSURE. FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21.4-03. ALL DUCTILE IRON PIPE AND FITTINGS MUST BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
14. ALL DUCTILE IRON PIPE TO BE MECHANICAL JOINTS, WRAPPED IN POLY. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY DESIGN.
15. GATE VALVES 4" AND LARGER SHALL BE RESILIENT SEAT AND SHALL MEET ANSI/AWWA C-509-01 SPECIFICATIONS, LATEST REVISION. VALVES MUST BE MUELLER (O.A.E.). VALVE BOXES SHALL BE TYLER UNION, CONTROL/GATE VALVES 3" AND SMALLER SHALL BE NIBCO T-133 LF. NO SUBSTITUTIONS.
16. PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY.
17. ALL TRENCHING, PIPE LAYING, BACKFILL, PRESSURE TESTING, AND DISINFECTING MUST COMPLY WITH THE CITY OF HOLLYWOOD SPECIFICATIONS.
18. THE MINIMUM DEPTH OF COVER OVER WATER MAINS IS 30" (DIP) OR 36" (PVC).
19. MINIMUM CLEARANCE BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 2', AND MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 50% OF MANUFACTURES RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS REQUIRED.
20. TAPPING SLEEVES SHALL BE MUELLER H-615 (O.A.E.). TAPPING VALVES 4" AND LARGER SHALL BE RESILIENT WEDGE TYPE MEETING ANSI/AWWA C509-01. ALL TAPPING VALVES SHALL HAVE A CAST-IN ALIGNMENT RING AND BE CAPABLE OF ACCEPTING A FULL-SIZE CUTTER.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH WATER MAINS PLACED AT MINIMUM COVER. IN CASE OF CONFLICT, WATER MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 18" MINIMUM SEPARATION. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	WATER NOTES	DRAWING NO. W-01.1
APPROVED: XXX		

WATER NOTES CONTINUED:

22. PIPE JOINT RESTRAINT SHALL BE PROVIDED BY THE USE OF DUCTILE IRON FOLLOWER GLANDS MANUFACTURED TO ASTM A 536-80. TWIST-OFF NUTS SHALL BE USED TO ENSURE PROPER ACTUATING OF THE RESTRAINING DEVICES. THE MECHANICAL JOINT RESTRAINING DEVICES SHALL HAVE A WORKING PRESSURE OF 250 PSI MINIMUM, WITH A MINIMUM SAFETY FACTOR OF 2:1, AND SHALL BE EBAA IRON INC., MEGALUG OR APPROVED EQUAL. JOINT RESTRAINTS SHALL BE PROVIDED AT A MINIMUM OF THREE JOINTS (60 FEET) FROM ANY FITTING.
23. WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE THE SIDES OF A TRENCH, THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING OR BRACING AS MAY BE NECESSARY TO SUPPORT THE SIDES OF THE EXCAVATION TO ENSURE PERSONNEL SAFETY, AND TO PREVENT MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SEQUENCE, METHODS AND MEANS OF CONSTRUCTION, AND FOR THE IMPLEMENTATION OF ALL OSHA AND OTHER SAFETY REQUIREMENTS.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	WATER NOTES	DRAWING NO. W-02
APPROVED: XXX		

CONNECTION OF PVC PIPE TO MANHOLES SHALL BE MADE WITH "KOR-N-SEAL" MANHOLE COUPLINGS CORRESPONDING TO THE SIZE AND TYPE OF SEWER PIPE OR OTHER ADAPTERS AS MAY BE APPROVED BY THE UTILITY.

INFLUENT AND EFFLUENT SEWERS SHALL BE GROUTED IN PLACE USING A TYPE II WATERPROOF EXPANDING GROUT ACCEPTABLE TO THE ENGINEER. ALL OPENINGS AND JOINTS SHALL BE SEALED WATERTIGHT. REFER TO GENERAL NOTES FOR NON-SHRINK GROUT.

LIFT HOLES THROUGH PRECAST STRUCTURES ARE NOT PERMITTED.

A FLOW CHANNEL SHALL BE CONSTRUCTED TO DIRECT INFLUENT INTO FLOW STREAM. REFER TO DETAILS.

OUTSIDE DROP CONNECTIONS WILL BE REQUIRED WHEN THE VERTICAL DISTANCE BETWEEN PIPE INVERTS EXCEEDS TWO FEET (2'). DROP CONNECTIONS, WHERE REQUIRED, SHALL BE CAST MONOLITHICALLY WITH THE MANHOLE ELEMENTS AS SHOWN ON DETAILS.

THE LID AND FRAME SHALL BE CAST OF CLOSE-GROUND GRAY IRON CONFORMING TO ASTM A-48, CLASS 30 AND SHALL BE OF UNIFORM QUALITY, FREE OF BLOW HOLES, POROSITY, CRACKS, AND OTHER OBVIOUS VISUAL DEFECTS. THE COMBINED WEIGHT OF THE FRAME AND LID SHALL NOT BE LESS THAN 420 POUNDS, AND THE LID SHALL WEIGH A MINIMUM OF 160 POUNDS. THE SEATING SURFACES BETWEEN FRAMES AND COVERS SHALL BE MACHINED TO FIT TRUE. NO PLUGGING OR FILLING WILL BE ALLOWED. CASTING PATTERNS SHALL CONFORM TO THOSE DESIGNATED BY THE GOVERNING UTILITY.

THE LID SHALL HAVE THE WORDS "(PREFERABLY AS REQUIRED BY THE UTILITY)" CAST IN ALL MANHOLE COVERS. CASTINGS SHALL BE CLEANED AND COATED WITH A COAL TAR PITCH VARNISH WHICH IS TOUGH WHEN COLD BUT NOT TACKY OR BRITTLE. PICK TYPE LIFTING HOLES WILL BE CAST INTO LIDS, BUT SHALL NOT GO CLEAR THROUGH THE LID.

MINIMUM COVER ON PUBLIC SANITARY SEWER PIPE SHALL BE 36" ABOVE PVC PIPE, AND 30" ABOVE D.I.P.

ALL MANHOLE LIDS SHALL BE PROVIDED WITH WATERTIGHT POLYETHYLENE MANHOLE INSERTS AS APPROVED BY THE UTILITY DEPARTMENT.

INSIDE SURFACES OF MANHOLES TO BE TREATED WITH TWO COATS KOPPERS BITUMASTIC 300-M OR EQUAL. MINIMUM DRY THICKNESS 16 MILS. MANHOLES SHALL BE CURED TWENTY-ONE (21) DAYS BEFORE COATING. MANHOLES SHALL BE PAINTED AT FACTORY PRIOR TO DELIVERY OR ONSITE WITH ONE COAT (BLACK) OUTSIDE OR AS REQUIRED BY THE UTILITY. FIRST COAT TO BE RED, SECOND COAT TO BE BLACK, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

THE ENGINEER AND UTILITY SHALL INSPECT INSIDE OF MANHOLE AFTER EACH APPLICATION / COAT OF PAINT.

UPON COMPLETION OF THE WORK A LAMPING INSPECTION SHALL BE MADE OF THE COMPLETED SYSTEM ALONG WITH AN INFILTRATION AND / OR EXFILTRATION TEST. AFTER ALL TESTING INCLUDED IN THIS CONTRACT HAS BEEN COMPLETED; THE CONTRACTOR WILL PROVIDE A TELEVISED INSPECTION OF THE SEWER LINES PRIOR TO BEING ACCEPTED FOR USE AND A SECOND TELEVISED INSPECTION AND LAMPING PRIOR TO RELEASE OF ONE-YEAR MAINTENANCE BOND.

MANHOLE JOINTS WILL BE SEALED WITH RAMNEK OR APPROVED EQUAL AND ANTI-HYDRO CEMENT INSIDE AND OUT.

ALL SANITARY SEWER GRAVITY MAINS AND SERVICES SHALL BE BEDDED AND BACKFILLED PER STANDARD TRENCH DETAIL.

ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE GOVERNING AUTHORITY.

A MINIMUM OF 10-FOOT HORIZONTAL CLEARENCE IS REQUIRED BETWEEN ALL UTILITY PIPE AND BUILDING STRUCTURES, UNLESS OTHERWISE SHOWN ON THE PLANS.

LANDSCAPING SHALL NOT BE INSTALLED WITHIN A MINIMUM OF 6' OF ALL SANITARY SEWER MAINS AND LATERALS.

ALL SEWER LATERALS SHALL TERMINATE AT THE PROPERTY LINE AND / OR A MINIMUM OF 5' FROM BUILDING, UNLESS OTHERWISE SPECIFIED ON THE PLANS. APPROPRIATE CLEANOUT TYPE PER LOCATION IN OR OUT OF PAVEMENT SHALL BE INSTALLED BY THE CONTRACTOR

SERVICE LATERALS SHALL HAVE CLEANOUTS INSTALLED AT A MAXIMUM OF 75' SPACING. CLEANOUTS IN PAVEMENT SHALL HAVE TRAFFIC BEARING LIDS.

CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETELY INSPECT THE EXISTING SANITARY SEWER SYSTEM AND / OR LIFT STATION, IF APPLICIABLE, IN ADVANCE OF ANY WORK AND NOTIFY THE ENGINEER IN ADVANCE OF ANY DEFICIENCIES. SHOULD THE CONTRACTOR COMMENCE WORK WITHOUT FIRST INSPECTING THE EXISTING SANITARY SEWER MAINS AND / OR LIFT STATION, THAN THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXISTING ON-SITE SANITARY SEWER COLLLECTION SYSTEM UNTIL FINAL INSPECTION, CERTIFICATION, AND APPROVAL BY THE GOVERNING AUTHORITY. CONTRACTOR TO INCLUDE THE COST OF CLEANING, REPAIRING, AND TESTING EXISTING SEWER MAINS AND LATERALS AS REQUIRED FOR NEW CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETELY INSPECT THE EXISTING SANITARY SEWER SYSTEM AND / OR LIFT STATION, IF APPLICIABLE, IN ADVANCE OF ANY WORK AND NOTIFY THE ENGINEER IN ADVANCE OF ANY DEFICIENCIES. SHOULD THE CONTRACTOR COMMENCE WORK WITHOUT FIRST INSPECTING THE EXISTING SANITARY SEWER MAINS AND / OR LIFT STATION, THAN THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS.

THE CONTRACTOR IS RESPONSIBLE FOR ANY FINAL GRADE ADJUSTMENTS OF EXISTING MANHOLES AND CLEANOUTS TO MEET PROPOSED FINISH GRADE CONDITIONS.

DEVELOPER IS RESPONSIBLE TO DEDICATE UTILITY EASEMENTS TO THE UTILITY FOR ALL PUBLIC SEWER MAINS AND MANHOLES THAT ARE TO ULTIMATELY OWNED AND MAINTAINED BY THE UTILITY. EASEMENTS TO BE GRANTED UPON CONCLUSION OF THE WORK FROM AS-BUILT PIPE LOCATIONS.

CONTRACTOR IS RESPONSIBLE TO DELIVER AS-BUILT SEWER PLANS, MYLAR, AND COMPUTER DISK TO THE ENGINEER PRIOR TO FINAL CERTIFICATION TO THE GOVERNING AUTHORITIES. AS-BUILTS SHALL BE SIGNED AND SEALED BY A REGISTERED FLORIDA SURVEYOR.

SANITARY SEWER, POTABLE, AND RECLAIMED WATER SEPARATION NOTES:

THE FOLLOWING STATEMENTS MUST BE INCLUDED ON ALL PLANS FOR SEWAGE COLLECTION / TRANSMISSION SYSTEMS AND/OR RECLAIMED WATER MAINS TO MEET THE MINIMUM REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE BROWARD COUNTY DEPARTMENT OF NATURAL RESOURCES PROTECTION.

VERTICAL CROSSINGS:
SANITARY SEWER SYSTEMS AND/OR RECLAIMED WATER MAINS SHALL CROSS UNDER POTABLE WATER MAINS WHENEVER PHYSICALLY POSSIBLE. SANITARY SEWER SYSTEMS AND/OR RECLAIMED WATER MAINS CROSSING BELOW POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE POTABLE WATER MAIN AND THE CROWN OF THE LOWER PIPE.

HORIZONTAL SEPARATIONS:
WHEREVER IT IS PHYSICALLY POSSIBLE:

1. SANITARY SEWER SYSTEMS SHALL HAVE A MINIMUM OF A 10-FOOT HORIZONTAL SEPARATION DISTANCE BETWEEN ANY POTABLE WATER MAIN IN PARALLEL INSTALLATIONS.
2. RECLAIMED WATER MAINS SHALL HAVE A MINIMUM OF A 5 FOOT CENTER TO CENTER (ABSOLUTE MINIMUM OF 3 FOOT OUTSIDE TO OUTSIDE OF PIPE) HORIZONTAL SEPARATION DISTANCE BETWEEN ANY POTABLE WATER MAIN AND/OR A SANITARY SEWER SYSTEM IN PARALLEL INSTALLATIONS.
3. WHEREVER EITHER ARE NOT PHYSICALLY POSSIBLE, THEN THE POTABLE WATER MAIN SHALL BE LAID AT THE MAXIMUM PHYSICAL HORIZONTAL SEPARATION DISTANCE POSSIBLE, AND EITHER LAID:
   A) IN A SEPARATE TRENCH
   B) ON AN UNDISTURBED EARTH SHELF WITH A MINIMUM VERTICAL SEPARATION DISTANCE OF 18 INCHES PROVIDED BETWEEN THE INVERT OF THE POTABLE WATER MAIN AND THE CROWN OF THE LOWER PIPE, THUS CONFORMING TO THE MINIMUM VERTICAL CROSSINGS PARAGRAPH.

CONFLICTS:
WHEREVER IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM VERTICAL OR HORIZONTAL SEPARATION STANDARDS, THEN ALL PIPING MATERIAL SHALL BE DUCTILE IRON PIPE (D.I.P.). ALL D.I.P. SHALL BE CLASS 50 OR HIGHER. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN AND SITE CONDITIONS. ADDITIONALLY, ALL JOINTS ON THE POTABLE WATER MAIN, WITHIN 20 FEET OF THE CONFLICT, SHALL BE MECHANICALLY RESTRAINED. AN ABSOLUTE MINIMUM VERTICAL SEPARATION DISTANCE OF 6 INCHES SHALL BE PROVIDED BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.

INSPECTIONS:

SUBGRADE (DENSITY TESTS SHALL BE APPROVED PRIOR TO THE PLACEMENT OF LIMEROCK).

LIMEROCK BASE (DENSITY TESTS AND AS-BUILTS MUST BE SUBMITTED WITH A CERTIFIED LETTER FROM THE GEOTECHNICAL FIRM TAKING THE TEST INDICATING THAT THE TEST CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS PRIOR TO THE PLACEMENT OF ASPHALT

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE GOVERNING AUTHORITIES IN WRITING AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:

1. DELIVERY OF MATERIALS
2. CLEARING AND EARTHWORK OPERATIONS
3. STORM SEWER:
   A. LAMPING
   B. STRUCTURE INSPECTIONS
4. PAVEMENT:
   A. SUBGRADE INSPECTIONS
   B. BASEROCK INSPECTIONS
   C. DENSITIES
   D. ASPHALT PAVEMENT
5. WASTEWATER:
   A. PRESSURE TESTING / FLUSHING
   B. SANITARY SEWER LAMPING
   C. MANHOLE PAINTING
   D. LIFT STATION START-UPS
6. WATER:
   A. PRESSURE TESTING
   B. PIGGING / FLUSHING
   C. TIE-INS / DISINFECTION / SWABBING / VISUAL
7. WALK THROUGH:
   1. PRELIMINARY / FINAL

REVISIONS:
1.
2.
3.
4.
5.
6.
7.
8.

CLIENT:
Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT:
Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK:
CONSTRUCTION DETAILS

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
• CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
email: gary@ggbeng.com
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9899
Fax: (954) 986-6655

DATE:	SCALE:
Sept. 2018	N.T.S.
DESIGNED BY:	DRAWN BY:
G.G.B.	F.M.

PROJECT NO.
18-0618

SHEET
C-4

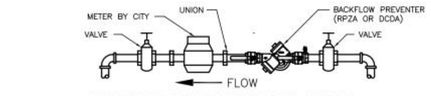
GARY G. BLOOM, P.E.
FLA LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1), (4)	JOINT SPACING @ CROSSING (FULL JOINT CENTERED) (8)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	WATER MAIN; 3 ft minimum	18" VERT. MIN. (5); 12" HORIZ. preferred, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred; WATER MAIN	Alternate 18 ft minimum; WATER MAIN
GRAVITY SANITARY SEWER, (3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	WATER MAIN; 10 ft preferred 6 ft minimum	18" VERT. MIN. (5); 12" HORIZ. preferred, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred; WATER MAIN	Alternate 6 ft minimum; WATER MAIN
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft minimum	———	———

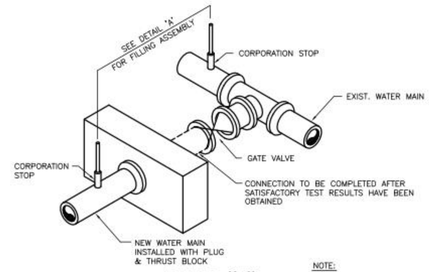
1. WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
2. REFER TO DAMAGE PREVENTION UNDER PART III OF CHAPTER 62-610, F.A.C.
3. 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
4. 18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY OF HOLLYWOOD, UNLESS OTHERWISE APPROVED.
5. 18" VERTICAL MINIMUM SEPARATION REQUIRED. WATER MAIN SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
6. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID AT LEAST 6 FEET FROM ANY SEWER OR SEWER FORCE MAIN. THE WATER MAIN SHALL BE LOCATED AT LEAST 6 FEET ABOVE SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
7. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN A PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF EDIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF EDIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE SANITARY SEWER OR FORCE MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.
8. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM / APPROVED: XXX	SEPARATION REQUIREMENTS OF F.D.E.P. / F.D.N.R.P.	DRAWING NO. G-01.1



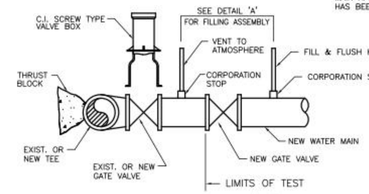
FILLING ASSEMBLY FITTINGS AND EQUIPMENT SHALL BE 2" MAX.

DETAIL 'A'



METHOD "A"

NOTE:
REMOVE TEMPORARY CONNECTION AT CORPORATION STOP ON NEW MAIN AFTER FILLING & FLUSHING HAS BEEN COMPLETED.



METHOD "B"

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM / APPROVED: XXX	FILLING AND FLUSHING DETAILS	DRAWING NO. W-15

TESTING AND DISINFECTION NOTES:

1. NO CONNECTIONS TO THE EXISTING LINES SHALL BE MADE UNTIL THE PRESSURE AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED ON THE PROPOSED WATER MAINS AND THE SYSTEM HAS BEEN APPROVED BY THE CITY OF HOLLYWOOD AND THE BROWARD COUNTY HEALTH DEPARTMENT.
2. THE PRESSURE TEST SHALL BE PERFORMED FOR 2 HOURS AT A CONSTANT PRESSURE OF 150 PSI AND IN ACCORDANCE WITH RULE 62-555.330 (FAC) C600 AWWA LATEST REVISION, EXCEPT AS OTHERWISE SPECIFIED HEREIN AND IN SPECIFICATION SECTION 15995, "PIPELINE TESTING AND DISINFECTION". PRESSURE TEST SHALL BE WITNESSED BY THE CITY OF HOLLYWOOD. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

$$L = \frac{S \times D \times \sqrt{P}}{148{,}000}$$

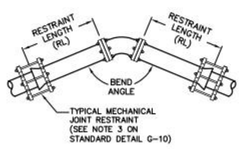
   L = THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR.
   S = THE LENGTH OF PIPE BEING TESTED.
   D = THE NOMINAL DIAMETER OF THE PIPE BEING TESTED.
   P = THE AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH.

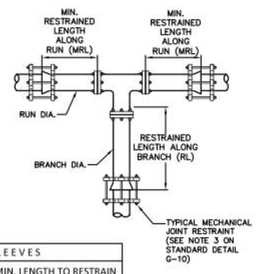
3. THE COMPLETE LENGTH OF THE PROPOSED WATER MAIN SHALL BE TESTED, IN LENGTHS NOT TO EXCEED 2,000 FEET PER TEST.
4. PROPOSED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/AWWA STANDARD C651 AND BACTERIOLOGICAL TESTED FOR TWO CONSECUTIVE DAYS IN ACCORDANCE WITH SPECIFICATION SECTION 15995, "PIPELINE TESTING AND DISINFECTION".
5. BACTERIOLOGICAL TESTS SHALL BE REQUESTED AND PAID FOR BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL DIRECTLY HIRE A TESTING LABORATORY CERTIFIED BY THE FLORIDA DEPARTMENT OF HEALTH IN ORDER TO COLLECT AND TEST WATER SAMPLES FROM THE WATER DISTRIBUTION SYSTEM TO BE PLACED INTO SERVICE. SAMPLE COLLECTION AND BACTERIOLOGICAL ANALYSES SHALL BE PERFORMED IN ACCORDANCE WITH RULES 62-555.315(6), 62-555.340 AND 62-555.330 (FAC), AS WELL AS ALL REQUIREMENTS OF THE BROWARD COUNTY HEALTH DEPARTMENT PERMIT.
7. THE WATER DISTRIBUTION SYSTEM SHALL NOT BE CONSIDERED COMPLETE AND READY FOR FINAL INSPECTION UNTIL SUCCESSFUL TEST RESULTS ARE OBTAINED FOR ALL TESTS DESCRIBED ABOVE.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM / APPROVED: XXX	TESTING AND DISINFECTION NOTES	DRAWING NO. W-14

HORIZONTAL BENDS

PIPE DIA. (INCHES)	BEND (ANGLE)	RESTRAINED LENGTH (RL) (FT) PVC	RESTRAINED LENGTH (RL) (FT) *DIP
16	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
8	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
6	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
4	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.

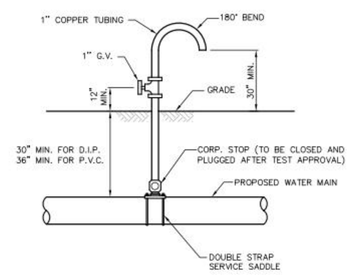




TEES AND TAPPING SLEEVES

RUN DIA. (INCHES)	BRANCH DIA. (INCHES)	MIN. RESTRAINED LENGTH ALONG RUN (FT.)	MIN. LENGTH TO RESTRAIN ALONG BRANCH (FT.) PVC	MIN. LENGTH TO RESTRAIN ALONG BRANCH (FT.) *DIP
16"	16"	.	.	.
8"	8"	.	.	.
8"	6"	.	.	.
8"	4"	.	.	.
6"	6"	.	.	.
4"	4"	.	.	.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM / APPROVED: XXX	JOINT RESTRAINT DESIGN FOR PVC AND DIP HORIZONTAL BENDS AND TEES	DRAWING NO. G-11.1



NOTES:

SAMPLING POINT SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM BROWARD COUNTY HEALTH DEPARTMENT.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM / APPROVED: XXX	SAMPLING POINT DETAIL	DRAWING NO. W-16

REVISIONS:
1.
2.
3.
4.
5.
6.
7.
8.

CLIENT:
Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT:
Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK:
CONSTRUCTION DETAILS

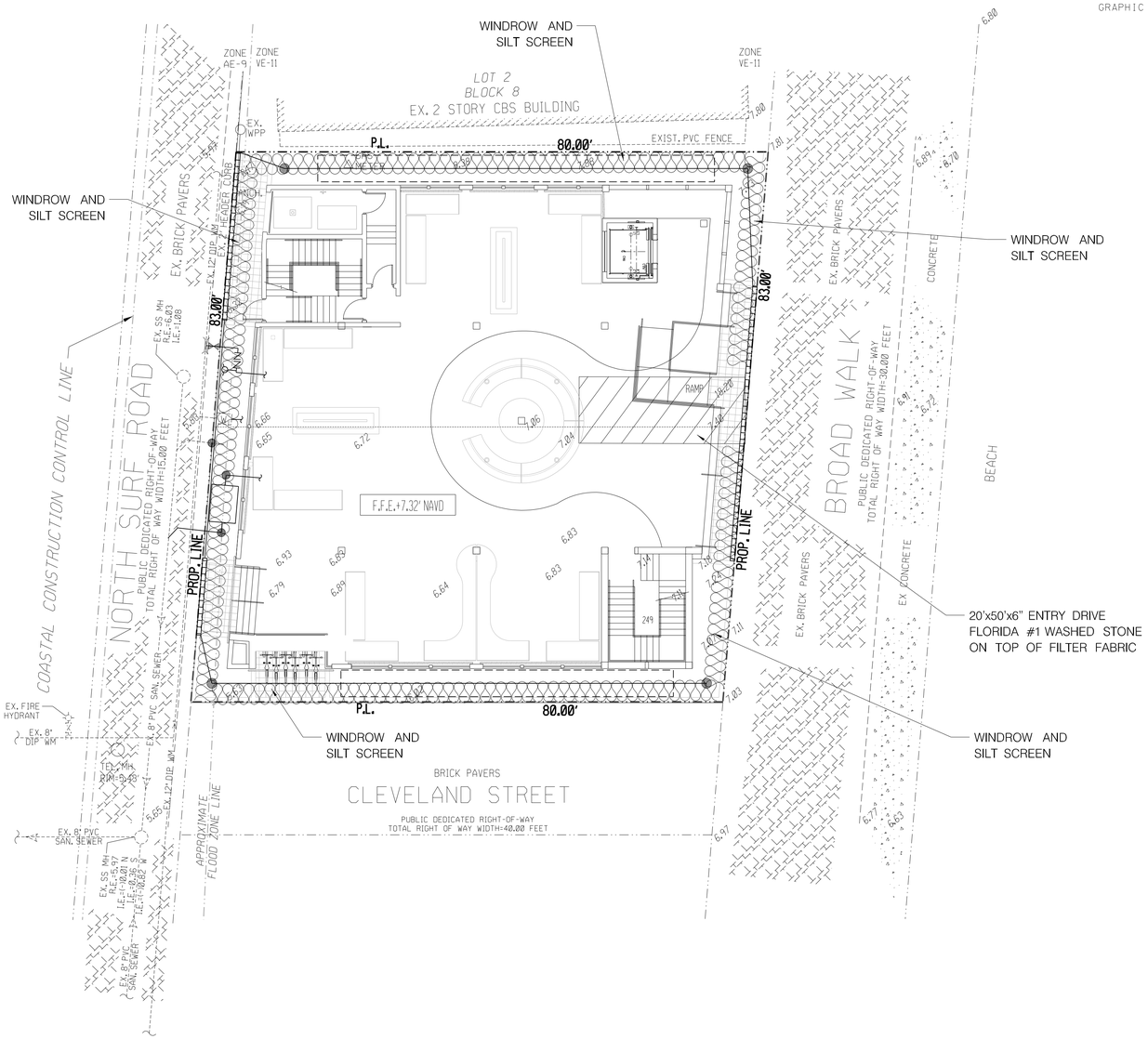
GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS • CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9800
Fax: (954) 986-6655
email: gary@ggbeng.com

DATE: Sept. 2018	SCALE: N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 18-0618

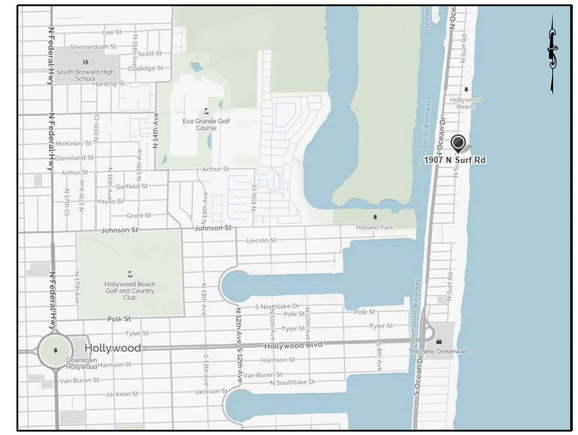
SHEET C-5

GARY G. BLOOM, P.E.
FLA. LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER



GRAPHIC SCALE

0 10' 20'



LOCATION MAP

N.T.S.

LEGEND

DENOTES WINDROW AND SILT SCREEN ALONG PROPERTY LINE DURING CONSTRUCTION OF GRADING AND DRAINAGE

REVISIONS:

1. 2. 3. 4. 5. 6. 7. 8.

CLIENT:

Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT: **HOLLYWOOD**

TASK:

Mixed Use
1907 N. Surf Road
FLORIDA 33019

PAVING, GRADING AND DRAINAGE PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
• CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
email: gary@ggbeng.com
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9800
Fax: (954) 986-8655

DATE:	SCALE:
Sept. 2018	1"=10'
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 18-0618

SHEET C-6

GARY G. BLOOM, P.E.
FLA. LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

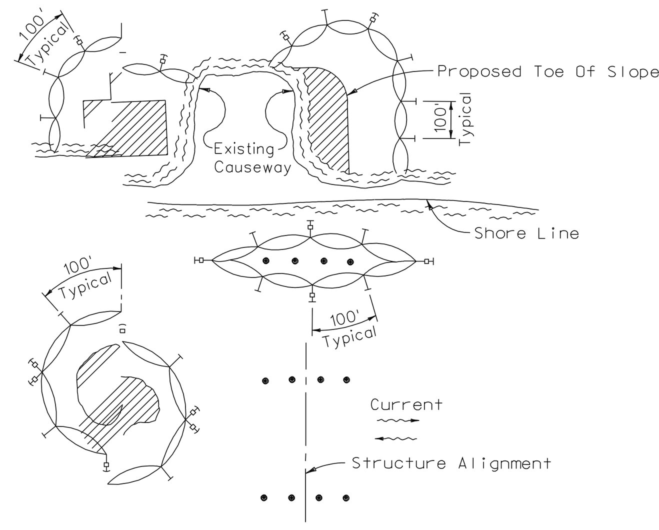
TURBIDITY BARRIER DETAILS PER FDOT INDEX NO. 103

GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

LEGEND

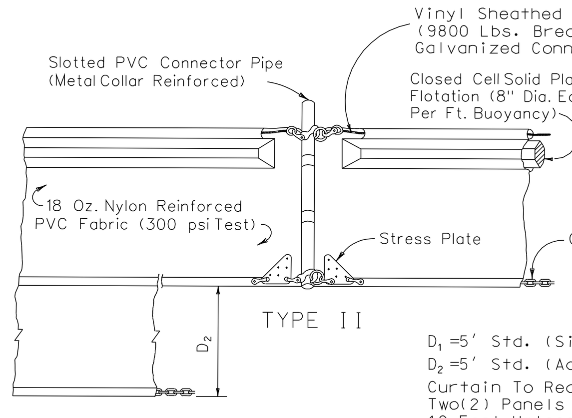
- • Pile Locations
- Dredge Or Fill Area
- Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action

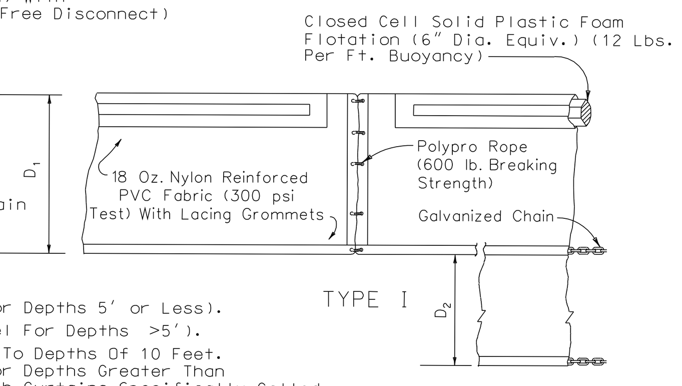


NOTES:

1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

TURBIDITY BARRIER APPLICATIONS

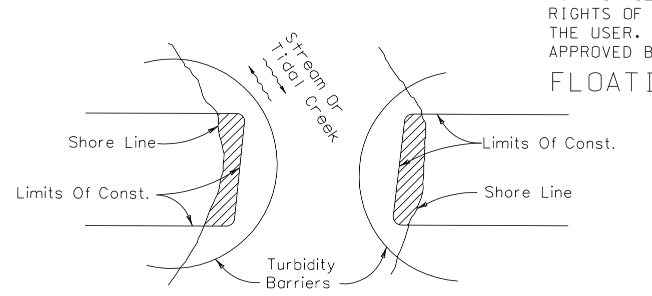




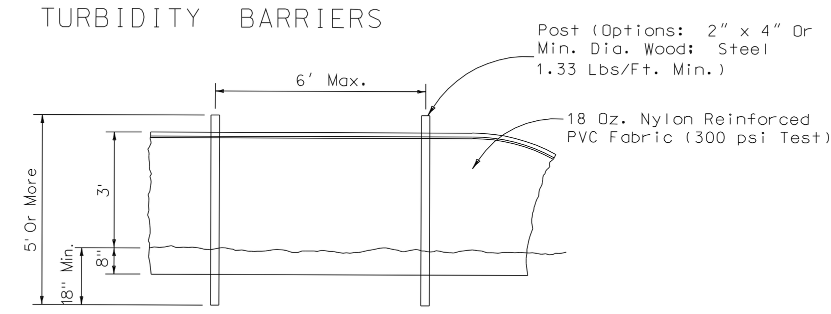
D_1 =5' Std. (Single Panel For Depths 5' or Less).
D_2 =5' Std. (Additional Panel For Depths >5').
Curtain To Reach Bottom Up To Depths Of 10 Feet.
Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS



Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.



STAKED TURBIDITY BARRIER

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.25 INCHES OR MORE

INSPECTOR:__________ DATE:__________
INSPECTOR'S QUALIFICATIONS:__________

DAYS SINCE LAST RAINFALL:__________ AMOUNT OF LAST RAINFALL __________ INCHES

STABILIZATION MEASURES

INSPECTION AREA (DESCRIPTION OF LOCATION)	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED ? (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:__________

TO BE PERFORMED BY:__________ ON OR BEFORE:__________

PAGE 1 OF 4

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
STRUCTURAL CONTROLS

DATE:__________

EARTH DIKES/SWALES

DIKE OR SWALE	FROM	TO	IS DIKE/SWALE STABILIZED ?	IS THERE EVIDENCE OF WASHOUT OR OVERTOPPING

MAINTENANCE REQUIRED FOR EARTH DIKE/SWALE:__________

TO BE PERFORMED BY:__________ ON OR BEFORE:__________

CATCH BASIN/CURB INLET/OUTFALL TURBIDITY CONTROLS

STRUCTURE/ OUTFALL	ARE TURBIDITY CONTROLS IN PLACE	ANY EVIDENCE OF CLOGING/WASHOUT OR BYPASSING ?	ARE TURBIDITY CONTROLS IN NEED OF REPLACING	DOES SILT NEED TO BE REMOVED FROM AROUND CONTROL

MAINTENANCE REQUIRED FOR CATCH BASIN/CURB INLETS/OUTFALLS TURBIDITY CONTROLS:__________

TO BE PERFORMED BY:__________ ON OR BEFORE:__________

PAGE 2 OF 4

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT SIDE BASIN	ANY EVIDENCE OF OVERTOPPING OF THE EMBANKMENT ?	CONDITION OF OUTFALL FROM SEDIMENT BASIN

MAINTENANCE REQUIRED FOR SEDIMENT BASIN:__________

TO BE PERFORMED BY:__________ ON OR BEFORE:__________

OTHER CONTROLS
STABILIZED CONSTRUCTION ENTRANCE

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD ?	IS THE GRAVEL CLEAN OR IS IT FILLED WITH SEDIMENT?	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO LEAVE THE SITE ?	IS THE CULVERT BENEATH THE ENTRANCE WORKING? (IF APPLICABLE)

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE:__________

TO BE PERFORMED BY:__________ ON OR BEFORE:__________

PAGE 3 OF 4

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN:__________

REASONS FOR CHANGES:__________

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED.BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM,OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION,THE INFORMATION SUBMITTED IS,TO THE BEST OF MY KNOWLEDGE AND BELIEF,TRUE, ACCURATE,AND COMPLETE.I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION,INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE:__________

DATE:__________

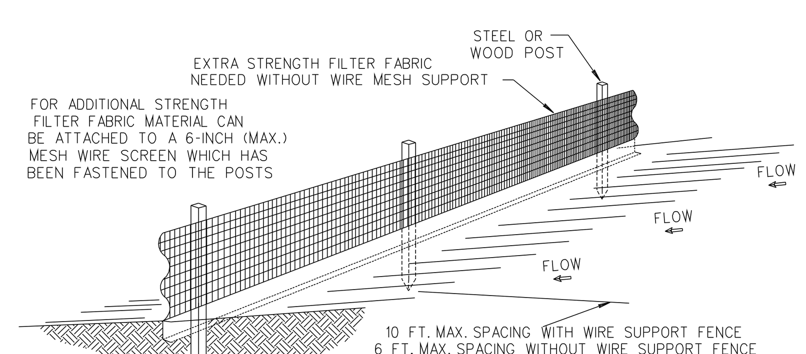
PAGE 4 OF 4

NOTE TO CONTRACTOR:

THIS IS THE CONTRACTORS CERTIFICATION REQUIRED BY THE EPA'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).STORM WATER POLLUTION PREVENTION PLAN FOR CONSTRUCTION SITES OVER I ACRES.THIS CERTIFICATION MUST BE COMPLETED WEEKLY AND AFTER EVERY RAINFALL EVENT OVER 0.25 INCHES.IT IS SUGGESTED THAT THIS SHEET BE REMOVED FROM THE PLAN SET AND DUPLICATED AS NEEDED BY THE CONTRACTOR.

1. THE INTENT OF EROSION CONTROL MEASURES INDICATED GRAPHICALLY ON PLANS IS TO PROVIDE A BARRIER TO CONTAIN SILT AND SEDIMENT ON THE PROJECT SITE. THIS REPRESENTATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE TEST OF EROSION CONTROL EFFECTIVENESS IS NOT TO BE DETERMINED BY ADHERENCE TO THE REPRESENT SET FORTH ON THE DRAWINGS AND SPECIFICATIONS, BUT BY MEETING THE REGULATIONS SET FORTH BY THE AUTHORITY HAVING JURSDICTION OVER WATER QUALITY CONTROL AND OTHER SEDIMENTATION RESTRICTION REQUIREMENTS IN THE REGION.
2. APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING GRADING, EXCAVATION, FILLING, OR OTHER LAND DISTURBANCE ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
3. INSPECTION OF ALL EROSION CONTROL MEASURES SHALL BE CONDUCTED WEEKLY, OR AFTER EACH RAINFALL EVENT. REPAIR, AND/OR REPLACEMENT OF SUCH MEASURES SHALL BE MADE PROMPTY, AS NEEDED.
4. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
5. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IF DEEMED NECESSARY BY ONSITE INSPECTION.
6. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED.
7. DRAINAGE INLETS SHALL BE PROTECTED BY FILTER AND GRADED ROCK AS PER INLET PROTECTION DETAIL.
8. ANY ACCESS ROUTES TO SITE SHALL BE BASED WITH CRUSHED STONE, WHERE PRACTICAL.
9. EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
10. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
11. ALL WORK IS TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS SET FORTH BY THE STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE CITY OF DELRAY BEACH.
12. DISCHARGE FROM DEWATERING OPERATIONS SHALL BE RETAINED ONSITE IN A CONTAINMENT AREA.

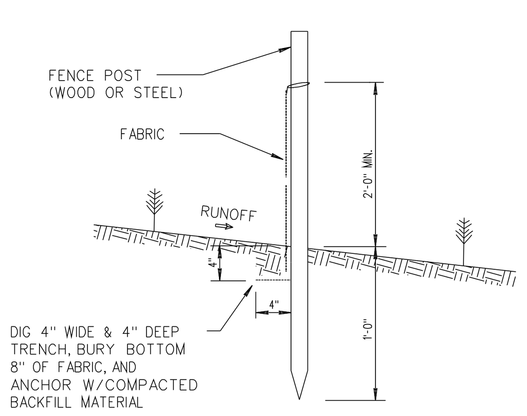
EROSION CONTROL NOTES DETAIL D9.1



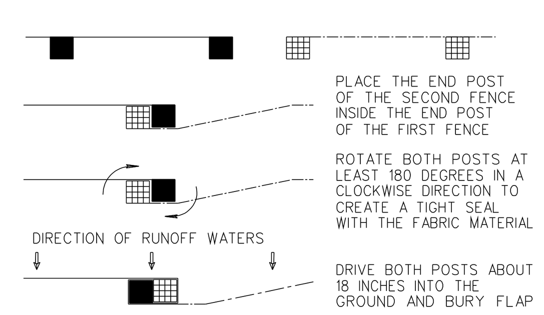
NOTES:

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGIONAL GROUND SURFACE.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
8. ALL PROJECTS REQUIRE SUBMITTAL OF POLLUTION PREVENTION PLAN (PPP).
9. ALL PROJECTS 1 AC. OR MORE MUST SUBMIT NOTICE OF INTENT (NOI) TO FDEP.

SILT FENCE INSTALLATION DETAIL D 9.1a
Sheet 1 of 2

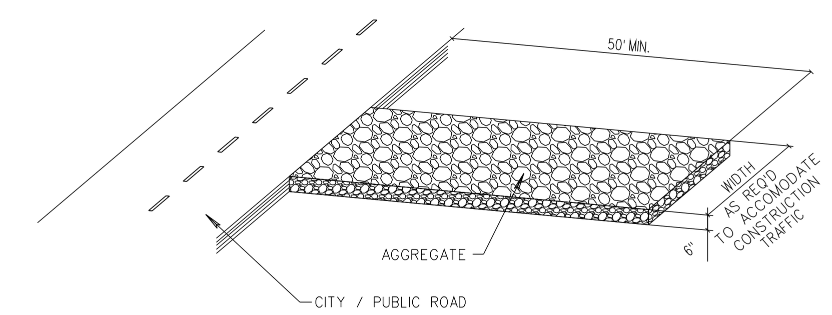


SILT FENCE SECTION
NOT TO SCALE



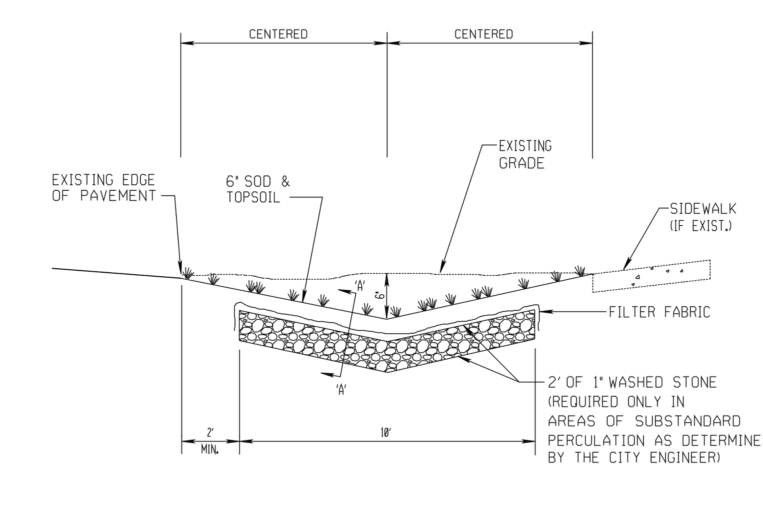
ATTACHING TWO SILT FENCES
NOT TO SCALE

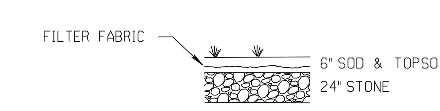
SILT FENCE INSTALLATION DETAIL D 9.1b
Sheet 2 of 2



NOTE:
A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AND CONTAIN AN AGGREGATE LAYER (FDOT AGGREGATE NO.1), AT LEAST 6-INCHES THINK. IT MUST EXTEND TO THE WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA.

STABILIZED CONSTRUCTION ENTRANCE DETAIL D9.1C





SECTION 'A'-'A'
NOT TO SCALE

NOTE:

1. CONTRACTOR TO REPLACE ALL IRRIGATION, TREES & SHRUBBERY IN SWALES DAMAGED DURING CONSTRUCTION.

SWALE REPLACEMENT DETAIL D10.1

REVISIONS:
1.
2.
3.
4.
5.
6.
7.
8.

CLIENT:
Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT:
Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK:
STORMWATER POLLUTION PREVENTION PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS • CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
email: gary@ggbeng.com
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9899
Fax: (954) 986-6655

DATE:	SCALE:
Sept. 2018	N.T.S.
DESIGNED BY:	DRAWN BY:
G.G.B.	F.M.

PROJECT NO.
18-0618

SHEET
C-7

GARY G. BLOOM, P.E.
FLA LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

STORM WATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION CAUSED BY STORM WATER RUN OFF.AN EROSION PROTECTION PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINT AIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL,STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT

DURING CONSTRUCTION,STORM WATER DRAINAGE WILL BE PROVIDED BY UTILIZATION OF THE EXISTING DRAINAGE COLLECTION SYSTEM IN THE STREET RIGHT OF WAY OF POLK STREET AND NORTH 19TH AVENUE.THE EXISTING SYSTEM CONVEYS STORM WATER RUNOFF VIA DRAINAGE PIPES TO THE ATLANTIC OCEAN. AFTER STORMWATER UTILITIES ARE INSTALLED,STORM WATER DRAINAGE WILL BE PROVIDED BY CATCH BASINS,EXFILTRATION TRENCH AND DRAINAGE WELLS.DURING VARIOUS PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL UTILIZE STAKED SILT FENCE AND/OR HAY BALE
S OR OTHER BEST MANAGEMENT PRACTICES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS SET FORTH BY LOCAL,STATE AND FEDERAL REQUIREMENTS.

TIMING OF CONTROLS/MEASURES

IT IS THE CONTRACTOR IS RESPONSIBE FOR THE TIMING OF CONTROLS AND MEASURES AS REQUIRED TO MEET REQUIREMENTS.

CERTIFICATION OF COMPLIANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS,THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

- ERP APPLICATION
- BRO COUNTY DPEP

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED.BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM,OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION,THE INFORMATION SUBMITTED IS,TO THE BEST OF MY KNOWLEDGE AND BELIEF,TRUE,ACCURATE,AND COMPLETE.I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION,INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

GENERAL

THE CONTRACTOR SHALL, AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN.IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS.DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

SEQUENCE OF MAJOR ACTIVITIES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES.
2. DEMO AND CLEAR SITE
3. INSTALL UNDERGROUND UTILITIES.
4. COMPLETE FINAL GRADING OPERATIONS.
5. CONTINUE WITH E&S CONTROL MEASURES.
6. START BUILDING FOUNDATION.
7. CONTINUE WITH E&S CONTROL MEASURES.
8. COMPLETE BUILDING CONSTRUCTION.
9. CONTINUE WITH E&S CONTROL MEASURES.
10. COMPLETE CURB AND SIDEWALK CONSTRUCTION
11. REMOVE ACCUMULATED SEDIMENTS FROM STORM WATER MANAGEMENT SYSTEM.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES.THE SILT FENCES AND HAY BALES WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY PORTIONS OF THE SITE.AS CONSTRUCTION PROCEEDS,THE CONTRACTOR MUST BE DILIGENT TO UN-INSTALL AND RE-INSTALL PORTIONS OR
ALL OF THE SILT FENCE OR HAY BAYS OR TAKE OTHER MEASURES NECESSARY TO MAINTAIN THE SYSTEM IN ACCORDANCE WITH ALL REGULATIONS.

ENDANGERED SPECIES AND CRITICAL HABITAT

1. ARE THERE ENDANGERED SPECIES ON SITE? NO.
2. ARE THERE CRITICAL HABITAT ON SITE? NO.

IF YES TO EITHER QUESTION,PLEASE EXPLAIN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE GRADING,DRAINAGE & EROSION CONTROL PLAN.IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED,MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE.THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE GRADING,DRAINAGE & EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES,AS REQUIRED,TO ENSURE THE SITE MEETS ALL FEDERAL,STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS.THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE GRADING,DRAINAGE & EROSION CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES (IF APPLICABLE):

1. HAY BALE BARRIER:HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT.IF NECESSARY,MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.

   REFER TO EROSION CONTROL DETAILS FOR CONSTRUCTING THE HAY BALE BARRIER. ALSO REFER TO THE GRADING,DRAINAGE & EROSION CONTROL PLAN FOR PROPER LOCATION
2. FILTER FABRIC BARRIER:FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

   REFER TO THE EROSION CONTROL DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
4. LEVEL SPREADER:A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS.THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL UP IS STABILIZED.THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
5. STOCKPILING MATERIAL:NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION:THE SURFACE AREA OF OPEN,RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE MINIMIZED.
7. INLET PROTECTION:INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
8. DUST CONTROL:AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL TREATMENT WITHIN 30 DAYS SHALL BE STABILIZED.
9. TEMPORARY SEEDING AND MULCHING:SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING:THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING :IF,AFTER 14 DAYS FROM SEEDING,THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER,THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL:THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL,AS A MINIMUM,BE SEEDED.THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION.SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES (IF APPLICABLE):

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP:A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA.
   THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:
   A. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
   B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED,BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.
   C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL.THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
3. OUTLET PROTECTION:APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY.SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
4. SEDIMENT BASIN:(NOT APPLICABLE)

OTHER CONTROLS

WASTE DISPOSAL (IF APPLICABLE):

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER.THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS.THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL.ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL.NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT.THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT,THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE.THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS.THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT AS NEEDED TO REMOVE ANY EXCESS MUD,DIRT OR ROCK TRACKED FROM THE SITE.DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

[X] Concrete	[X] Fertilizers	[X] Wood
[X] Asphalt	[X] Petroleum Based Products	[X] Masonry Blocks
[X] Tar	[X] Cleaning Solvents	[X] Roofing Materials
[X] Detergents	[X] Paints	[X] Metal Studs
[ ] _____	[ ] _____	[ ] _____

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT,ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND,IF POSSIBLE,UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL ORIGINAL MANUFACTURER'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE,ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED;THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF,MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER.ONCE APPLIED,FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA.THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE.EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN,THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE.EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS,DUST PANS,MOPS,RAGS, GLOVES,GOGGLES,LIQUID ABSORBENT (I.e.KITTY LITTER OR EQUAL), SAND,SAWDUST,AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY,REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE.A DESCRIPTION OF THE SPILL,WHAT CAUSED IT,AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS,WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING.THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP.THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE,IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

NO MORE THAN 5 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT. THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT,AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER.IF A REPAIR IS NECESSARY,IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

- SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT,TEARS,TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS,AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
- DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS,WASHOUTS,AND HEALTHY GROWTH.
- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED.
  THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER,ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS,OR STORM WATER MANAGEMENT PLANS.
  THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
- THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS,MAINTENANCE AND REPAIR ACTIVITIES,AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
- PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT.THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
- UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FOR/DUTIES	BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS	SIGNATURE
GENERAL CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		

REVISIONS:
1. 2. 3. 4. 5. 6. 7. 8.

CLIENT:
Kaller Architects
2417 Hollywood Boulevard
Hollywood, Florida 33020-6605
(954) 920-5746

PROJECT:
Mixed Use
1907 N. Surf Road
HOLLYWOOD FLORIDA 33019

TASK:
STORMWATER POLLUTION PREVENTION PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
• CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
email: gary@ggbeng.com
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-0809
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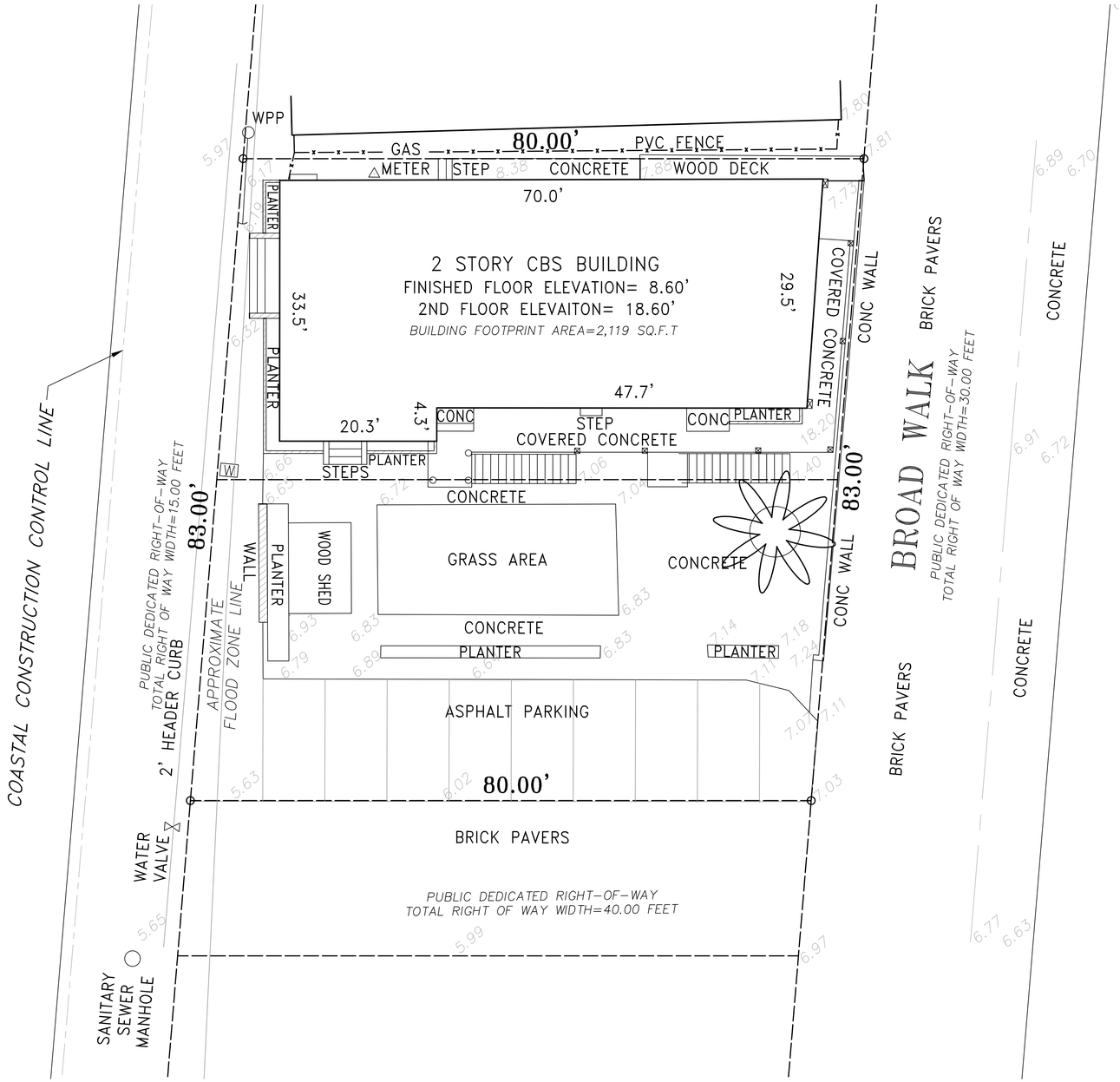
DATE:	SCALE:
Sept. 2018	N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 18-0618

SHEET C-8

GARY G. BLOOM, P.E.
FLA. LIC. No. 19832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER



IF YOU DIG FLORIDA...
CALL US FIRST!
1-800-432-4770
SUNSHINE STATE ONECALLING OF FLORIDA, INC.
IT'S THE LAW

NOTE:
INDICATED UTILITIES ARE APPROXIMATE.
CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.
LANDSCAPE ARCHITECT ASSUMES NO LIABILITY FOR UTILITY DAMAGE.

EXISTING VEGETATION

Botanical name	Common name	Hight	Conditions	Action
Cocos nucifera	Coco palm	30' GW	75%	REMOVE

The Mirror of Paradise Inc.
Gabriela Fojt
LA 6667277

3924 N. Ocean Blvd.
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FL 33308
Tel (954) 478 3064
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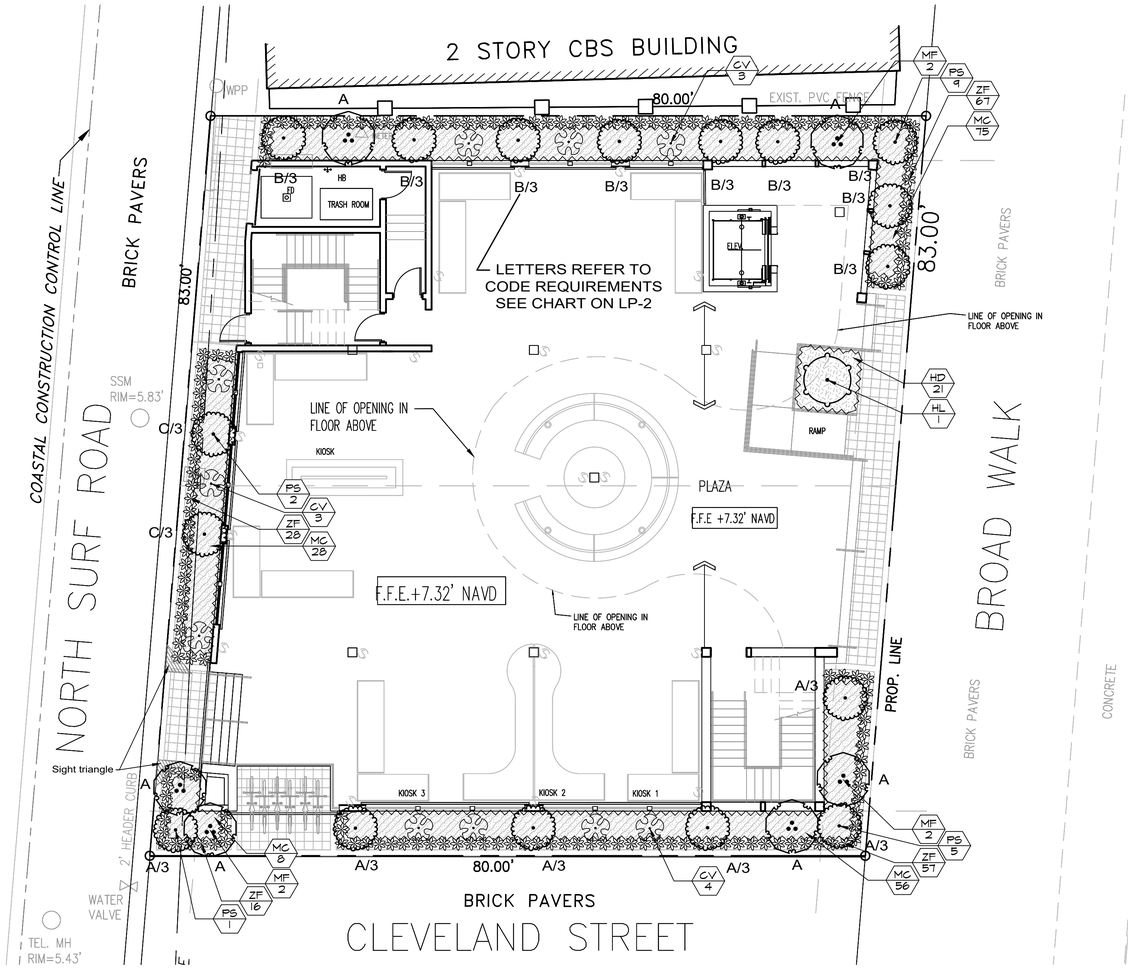
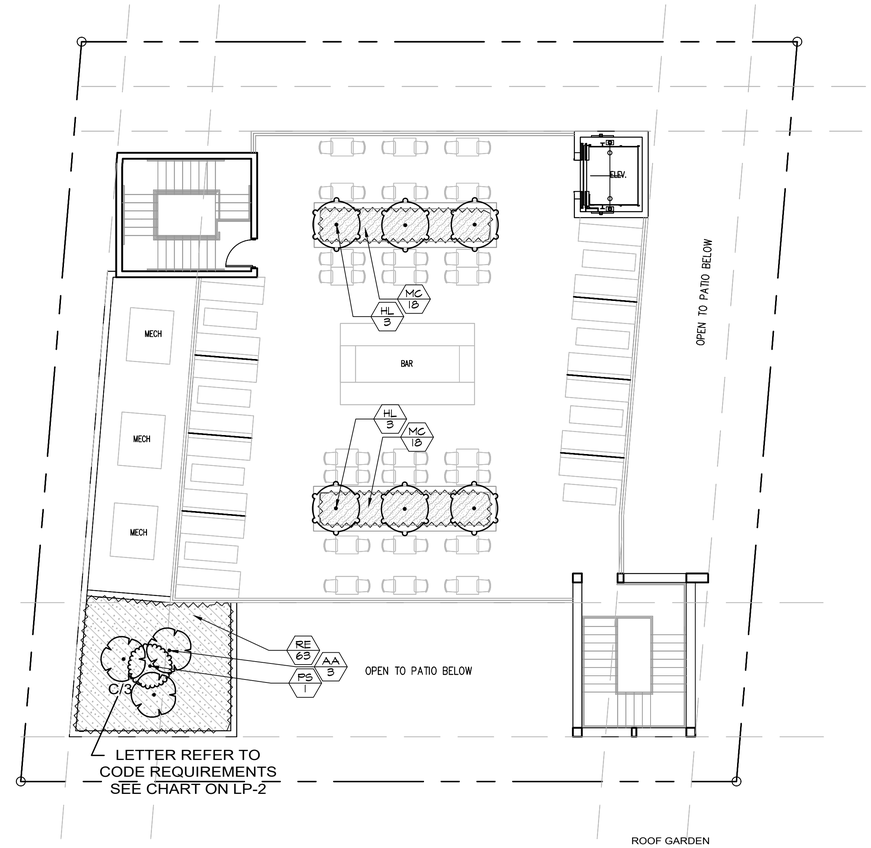
SCALE	1" = 20'-0"
DESIGNED BY	GF, GW
DRAWN BY	GF
CHECKED BY	GF, GW
CAD DWG.	
DATE	09.13.18
REVISIONS	

1907 N SURF ROAD
HOLLYWOOD
FLROIDA

TREE REMOVAL PLAN





PLANT SCHEDULE FIRST FLOOR

TREES	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	NATIVE	DROUGHT RESISTANT	SALT RESISTANT	QTY
HL	Hyophorbe lagenicaulis / Bottle Palm	25 gal, 5' OA	AS SHOWN	NO	MODERATE	HIGH	1
MF	Myrcianthes fragrans / Simpsons Stopper	12' OA, min 3 trunks each 1" cal	AS SHOWN	YES	HIGH	HIGH	6
PS	Pseudophoenix sargentii / Buccaneer Palm	8' CT matched	AS SHOWN	YES	HIGH	HIGH	17
SHRUBS	**BOTANICAL NAME / COMMON NAME**	**SIZE**	**SPACING**	**NATIVE**	**DROUGHT RESISTANT**	**SALT RESISTANT**	**QTY**
CV	Crinum asiaticum / Queen Emma Crinum Lily	15 gal 36"x36'	36" O.C.	NO	MODERATE	MODERATE	10
ZF	Zamia floridana / Coontie Palm	3 gal	18" O.C.	YES	HIGH	HIGH	168
SHRUB AREAS	**BOTANICAL NAME / COMMON NAME**	**SIZE**	**SPACING**	**NATIVE**	**DROUGHT RESISTANT**	**SALT RESISTANT**	**QTY**
HD	Helianthus debilis / Dune Sunflower	1 gal	18" O.C.	YES	HIGH	HIGH	21
MC	Muhlenbergia capillaris / Pink Muhly	3 gal	24" O.C.	YES	HIGH	HIGH	167

PLANT SCHEDULE ROOF GARDEN

TREES	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	NATIVE	DROUGHT RESISTANT	SALT RESISTANT	QTY
AA	Allagoptera arenaria / Seashore palm	5'x5'	AS SHOWN	NO	HIGH	HIGH	3
HL	Hyophorbe lagenicaulis / Bottle Palm	25 gal, 5' OA	AS SHOWN	NO	MODERATE	HIGH	6
PS	Pseudophoenix sargentii / Buccaneer Palm	8' CT matched	AS SHOWN	YES	HIGH	HIGH	1
SHRUB AREAS	**BOTANICAL NAME / COMMON NAME**	**SIZE**	**SPACING**	**NATIVE**	**DROUGHT RESISTANT**	**SALT RESISTANT**	**QTY**
MC	Muhlenbergia capillaris / Pink Muhly	3 gal	24" O.C.	YES	HIGH	HIGH	36
RE	Russelia equisetiformis / Firecracker Plant	3 gal	24" O.C.	NO	HIGH	MODERATE	63

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SCALE	1/8" = 1'-0"
DESIGNED BY	GF, GW
DRAWN BY	GF
CHECKED BY	GF, GW
CAD DWG.	
DATE	09.13.18
REVISIONS	

1907 N SURF ROAD
HOLLYWOOD
FLROIDA

LANDSCAPE PLAN 1ST FLOOR AND ROOF GARDEN

JOB CONDITIONS:

Any building construction material or foreign material shall be removed from planting areas and replaced with acceptable top soil.

Care shall be taken not to disturb or damage any underground construction or utilities. Any damage to these facilities during the planting operations will be repaired at the expense of the Landscape Contractor in a manner approved by the Owner. Where underground obstructions will not permit the planting materials in accordance with the plans, new locations shall be approved by the Landscape Architect.

Landscape work shall be coordinated with the landscape irrigation work. Landscape Contractor shall ensure that no plantings will interfere with the proper coverage. Landscape Contractor shall point out situations where minor adjustments or relocation or addition of sprinklers heads may be most beneficial for the landscape work as a whole.

PLANT MATERIAL:

Plant species and size shall conform to those indicated on the drawings. Nomenclature shall conform to STANDARDIZED PLANT NAMES, LATEST EDITION. All plant material shall be in accordance with GRADES AND STANDARDS FOR NURSERY PLANTS, latest edition published by the Florida Department Agriculture and Consumer Services. All plants not otherwise specified as Florida Fancy, or Specimen, shall be Florida Grade Number 1 or better as determined by the Florida Grade Plant Industry. Specimen means an exceptionally heavy, symmetrical, tightly-knit plant, so trained or favored in its development that its appearance is unquestionable and outstandingly superior in form, number of branches, compactness and symmetry. All plants shall be sound, healthy, vigorous, well branched and free of disease and insect eggs and larvae and shall have adequate root systems. Trees and shrubs for planting rows shall be uniform in size and shape. All materials shall be subject to approval by the Landscape Architect. Where any requirements are omitted from the Plant List, the plants furnished shall be normal for the variety.

All container grown material shall be healthy, vigorous, well-rooted plants and established in the container. The plants shall have tops which are good quality and are in a healthy growing condition. An established container grown plant shall be transplanted into a container and grown in that container long enough for the new fibrous roots to have developed enough to hold the root mass together when removed from the container. Root bound plants will not be accepted.

Site water shall be verified by Contractor prior to submission of bids.

The use of natural material is strongly encouraged for balled and burlapped plants. All synthetic material shall be completely removed from root ball PRIOR to planting.

At time of bid, Contractor shall submit a written schedule of all sources for coconut palms as well as seed sources for coconuts. Coconuts shall be certified Malayan Green with a certified seed source from Jamaica.

TREES:

The most critical factor for selecting a healthy Florida Number 1 tree is the structure. This consists of one central main trunk and leader. Branches are considered competing if they are 2/3 the diameter of the leader or greater. Competing branches may be acceptable if they occur above 50% of the overall height of the tree. Caliper of tree should meet specifications. Leader (center trunk) may have slight (<15 degree) bow (Tabebuia caraiba excluded), but must be intact with apical (leading) bud.

Branches should be spread evenly (staggered, alternating) through the tree branches spaced no closer than 4".

Canopy should be full to specifications with little or no openings or holes. A thinning canopy will be taken into consideration with field dug plant material.

Trees should have no open wounds or damage, flush cuts, chlorosis, shorter or taller than specified height, girdling roots, undersize loose root ball, crossing branches, smaller than normal leaves.

10% of root ball shall be above grade after planting. Root ball tying ropes removed from trunk and top of root ball.

MULTIPLE TRUNK TREES:

Trees having no distinct leader. Trunks on these trees should not be touching and free of damage and similar in size. Canopy should be full and uniform.

RELOCATED TREES:

These trees may not conform to grades and standards, yet do have quality criteria which effect the health, longevity and safety of the tree (and person which may contact tree). This is NOT meant to be a guideline for transplanting trees, but rather the criteria by which relocated trees will meet Town, County, State or governing agency guidelines. Trees which require excessive pruning should NOT be used. Damaged or dead relocated trees will be replaced with appropriate number of caliper inches and species equal to relocated or dead tree, as approved by the Landscape Architect.

No more than 20% of the foliage should be removed for any reason (excluding Sabal Palms). Trees should be corrected for any structural defects, touching branches, dead or rotting wood, V-shaped branching or branching which may effect human safety issues post relocation. Topping a relocated tree is not acceptable.

Damage to the trunk/branches will not exceed 10% of the trunk diameter and 2" in height.

Any major limb or canopy pruning will be qualified and performed by a Certified Arborist.

IRRIGATION

Provide bubblers on separate zones for all newly planted and transplanted trees unless alternate approach to provide additional water is approved by owner and Landscape Architect.

MATERIALS LIST:

Landscape Contractor shall be responsible for verifying all quantities for material shown on drawings prior to submitting a bid. Planting plan shall take precedence over the plant list. Final quantity of sod and mulch shall be verified.

SUBSTITUTIONS:

No substitutions shall be made without the approval from the Landscape Architect and/or the Owner. Intended substitutions shall be indicated on the bid.

MEASUREMENTS:

Canopy Trees- Height shall be measured from the ground to the average height of canopy. Spread shall be measured to the end of branching equally around the crown from the center of the trunk. Caliper (d.b.h.) will be measured 4'-6" above grade.

Shrubs- Height shall be measured from the ground. Spread shall be measured to the end of branching equally around the shrub mass.

Palms- Clear trunk (C.T.) shall be measured from the ground to the point where the mature aged trunk joins the immature or green part of the trunk or head.

Overall height (O.A.) shall be measured from the ground to the tip of the unopened bud.

IRRIGATION:

100% irrigation coverage shall be provided. Provide bubblers on separate zones for all newly planted and transplanted trees unless alternate approach to provide additional water is approved by Owner and Landscape Architect.

GUARANTEE:

All new plant materials shall be guaranteed for one year from the time of acceptance and shall be alive and in satisfactory growth for each specific kind of plant at the end of the guarantee period. The Landscape Contractor shall not be responsible for damage caused by vandalism, violent wind storms or other acts of God beyond control. Replacement shall occur within two weeks of rejection and guaranteed six months from date of installation. Landscape Contractor shall repair damage to other plants or lawns during plant replacements at no additional cost.

MULCH:

Mulch shall not contain sticks 1/4" in diameter or stones. Apply 3" of mulch except on top of tree rootballs and against woody shrubs. Rootballs will receive less than 1" mulch with no mulch touching trunk or root collar. Do not apply mulch against the trunks of woody shrubs.

SOD:

All sod shall be installed in such a manner that there is an even surface, staggered pattern. Sod will be green in color and in good health. NO overlap, gaps, damage, insects, disease and less than 10% chlorosis will be permitted. All gaps will be filled with clean native soil.

STAKING:

Landscape Contractor to suggest alternate means of staking for approval with Landscape Architect if staking methods shown are not feasible due to site conditions.

FERTILIZER:

Manufacturer's Specification: Submit manufacturer's specification sheet(s) for approval of product. Submit tags from bags of fertilizer used on site to the Architect. Submit copies of the manufacturer's specifications or analysis of all fertilizer for approval.

Composition and Quality: All fertilizer shall be uniform in composition and dry. Granular fertilizer shall be free flowing and delivered in unopened bags. Tablet fertilizer shall be delivered in unopened containers or boxes. All bags, containers or boxes shall be fully labeled with the manufacturer's analysis.

Fertilizer shall be slow release with ratio greater than 3 to 1 nitrogen to phosphorous applied on top of backfill, per manufacturer's recommendations.

All shall comply with the State of Florida fertilizer laws.

CLEANUP:

Landscape Contractor shall at all times keep job site clean and free from accumulation of waste material, debris and rubbish.

INSPECTION:

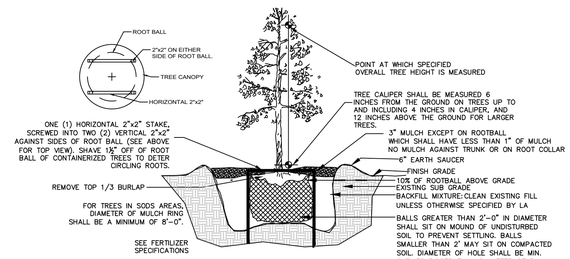
Upon written request from the Contractor, Owner and/or Landscape Architect shall perform inspection to determine completion of Contract.

ACCEPTANCE:

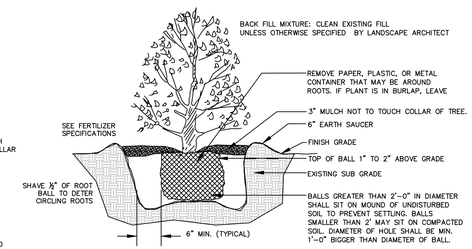
Following inspection, Contractor will be notified, in writing, by Owner and/or Landscape Architect of acceptance of completion with regards to plant material and workmanship according to Contract.

LANDSCAPE CODE REQUIREMENTS

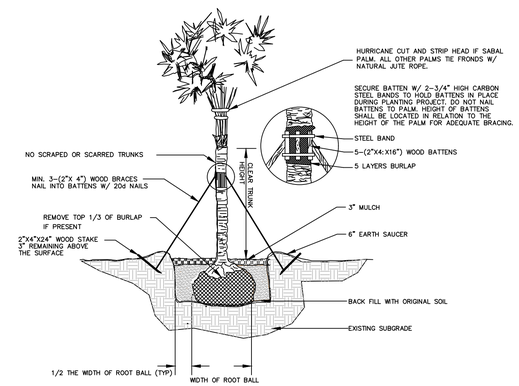
Key	Code requirement	Required	Existing	Proposed	Provided
A	Perimeter Landscape 1 tree/50 l.ft 326/50=7 trees	7	0	6 Simpson Stoppers+ 6 Buccaneer palms at 3:1	**8**
B	Open Space: * Min.40% of tot. site to be landscaped; lot 6,618 sq.ftx.4=2,648 * Min. 1 tree/1,000 sq.ft of pervious area; 2,648/1,000=3	2,648 sq.ft 3 trees	0	9 Buccaneer palms 3:1	**3**
C	Mitigation trees (1 Coconut palm)	1	0	3 Buccaneer palms 3:1	**1**
	3' Triangle at access way				**provided**
	Xeriscape landscape (Tot. plants 496) Salt resistant landscape (Tot. plants 496)			97% of plants are high drought resistant 86% of plants are high salt resistant	**provided** **provided**



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



PALM PLANTING DETAIL

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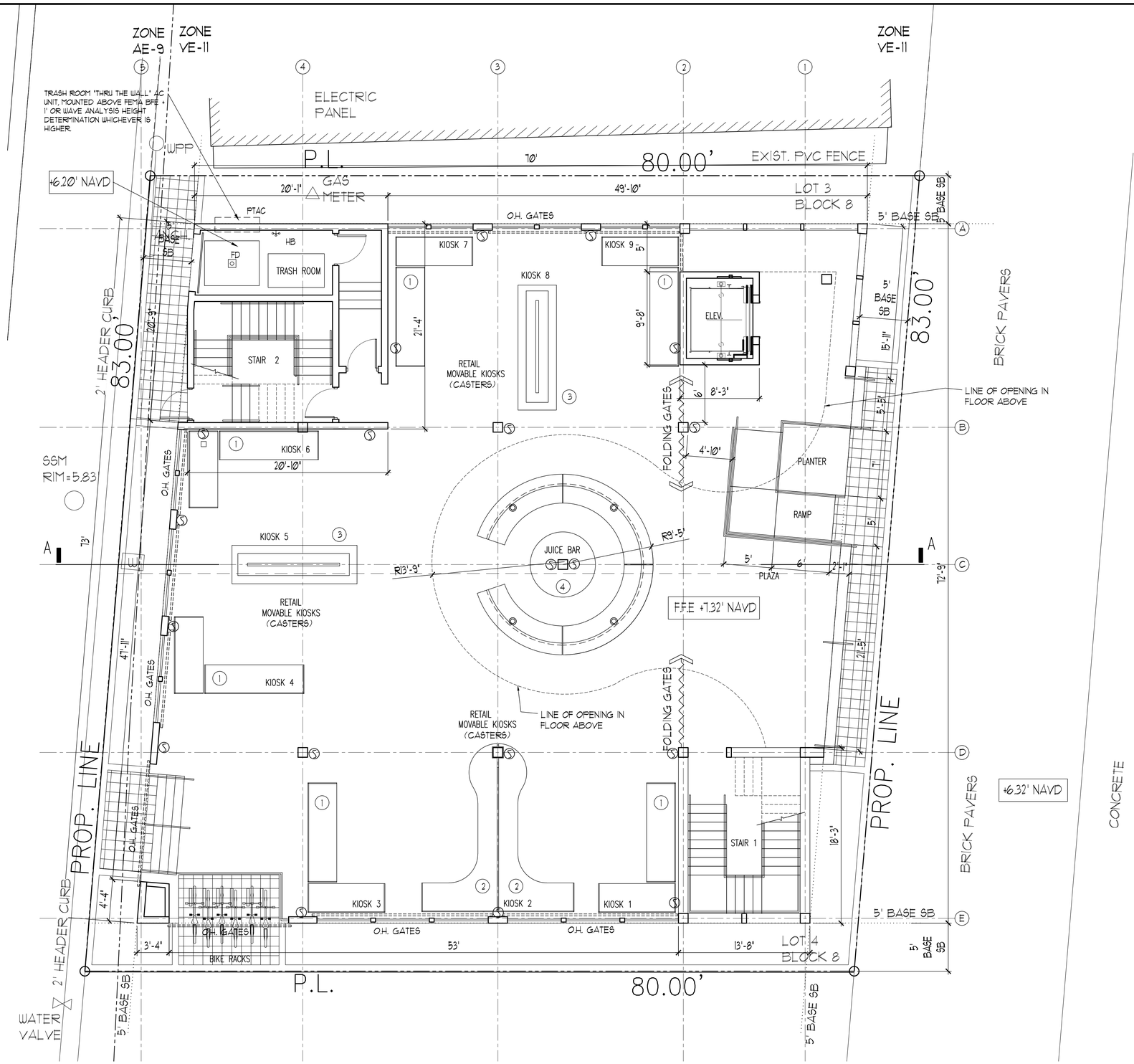
SCALE	AS NOTED
DESIGNED BY	GF, GW
DRAWN BY	GF
CHECKED BY	GF, GW
CAD DWG.	
DATE	09.13.18
REVISIONS	

1907 N SURF ROAD
HOLLYWOOD
FLROIDA

CODE REQUIREMENTS, NOTES, PLANTING DETAILS



2 DRAWING LEGEND

Ⓢ POWER SORCE LOCATED ABOVE BFE +1' OR WAVE ANALYSIS HEIGHT DETEMINATION, WHICHEVER IS HIGHER.

◎ SEWER LINES THAT CAN BE CAPPED WHEN KIOSK IS MOVED.

NOTE:
KIOSKS ON BOTH FLOORS ARE TO BE STORED OFF SITE AT NOTIFICATION OF A HURRICANE WARNING.
EXTERIOR FURNITURE ON THE RESTAURANT FLOOR TO BE STORE INSIDE THE RESTAURANT.

NOTE:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

THE PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION 'VE/11' AND 'AE/9' BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 0588 H, WITH A DATE OF IDENTIFICATION OF 08/18/14, FOR COMMUNITY NO. 125113, IN BROWARD COUNTY, STATE OF FLORIDA WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH THE PROPERTY IS SITUATED.

1 FIRST FLOOR

SCALE: 3/16"= 1'-0"

Kaller

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SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE

MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE

FIRST FLOOR PLAN

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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PROJECT No.:	18063
DATE:	4-23-18
DRAWN BY:	TMS
CHECKED BY:	JBK

SHEET

A-1

1 OF 1

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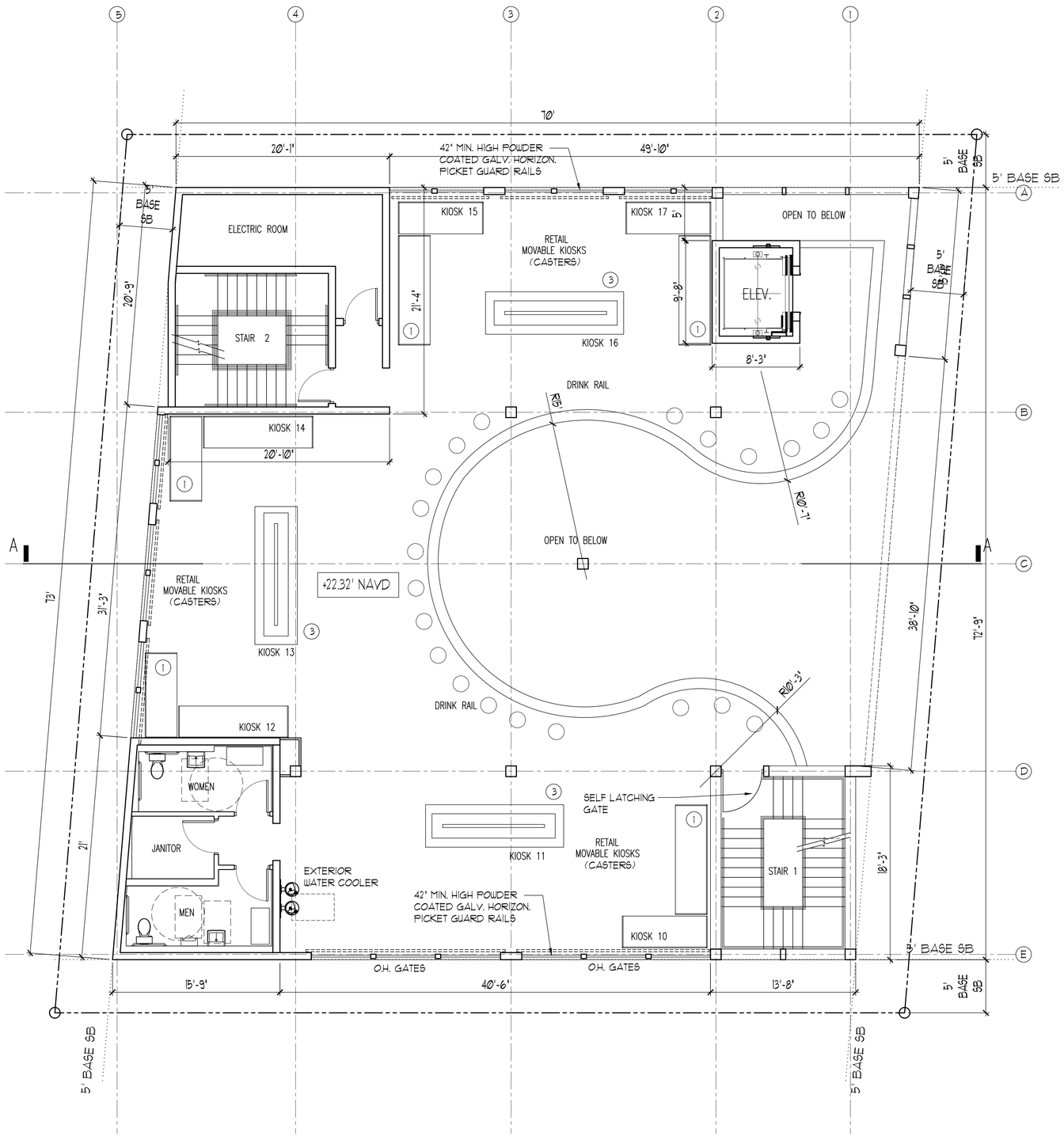

NORTH

1 **SECOND FLOOR**
SCALE: 3/16"= 1'-0"

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HOLLYWOOD FL 33019

SHEET TITLE
SECOND FLOOR PLAN

REVISIONS

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SHEET

A-2

1 OF 1

Notes shall are complete sets of Bidding Documents in preparing bids, neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete or preliminary sets of Bidding Documents. The sole of the Contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. The Contractor Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required as if not specifically mentioned herein but reasonably inferable from them as being necessary to produce the intended results.

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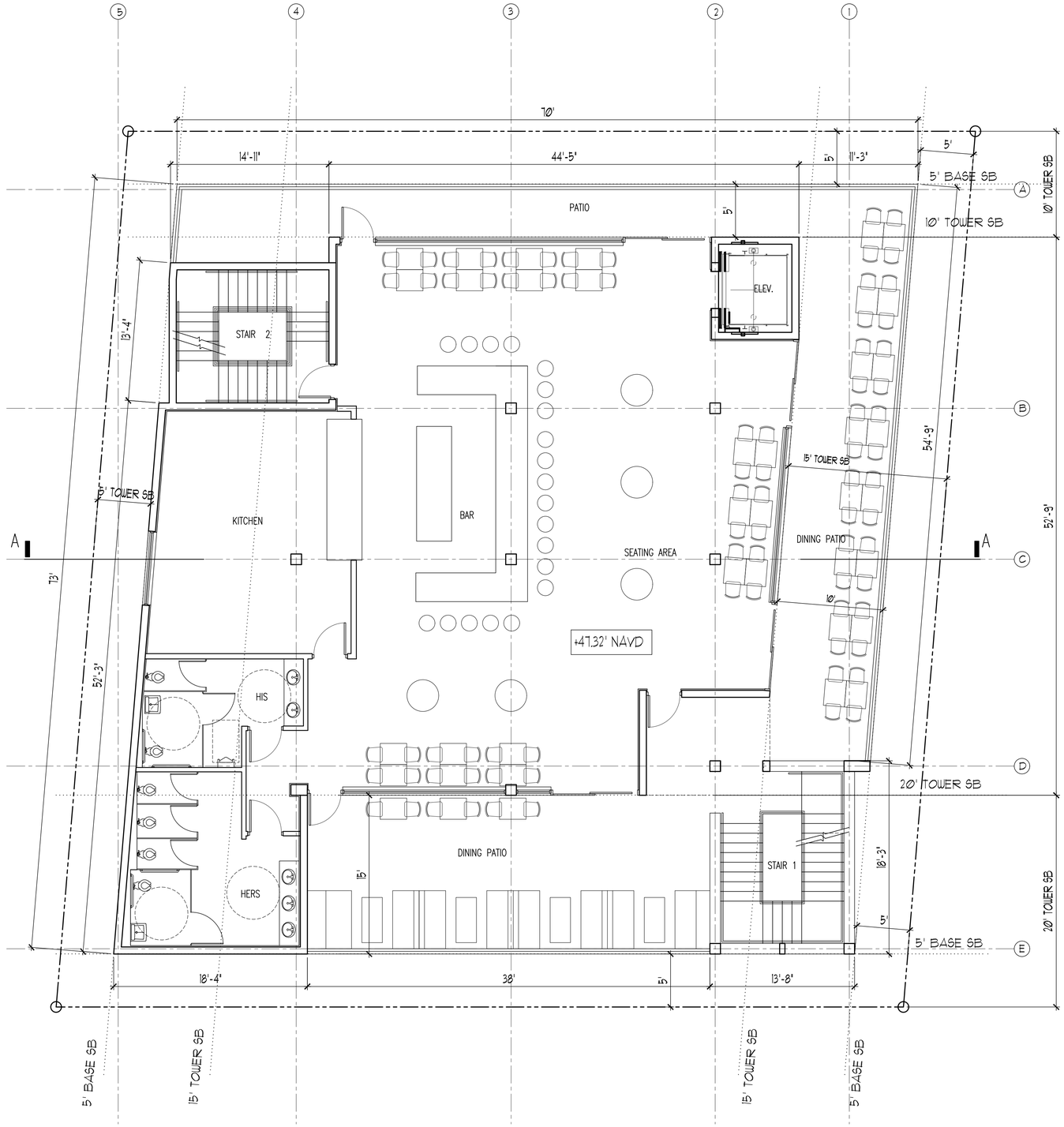

NORTH

1 **THIRD FLOOR**
SCALE: 3/16"= 1'-0"

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HOLLYWOOD FL 33019

SHEET TITLE

THIRD FLOOR PLAN

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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DATE:	4-23-18
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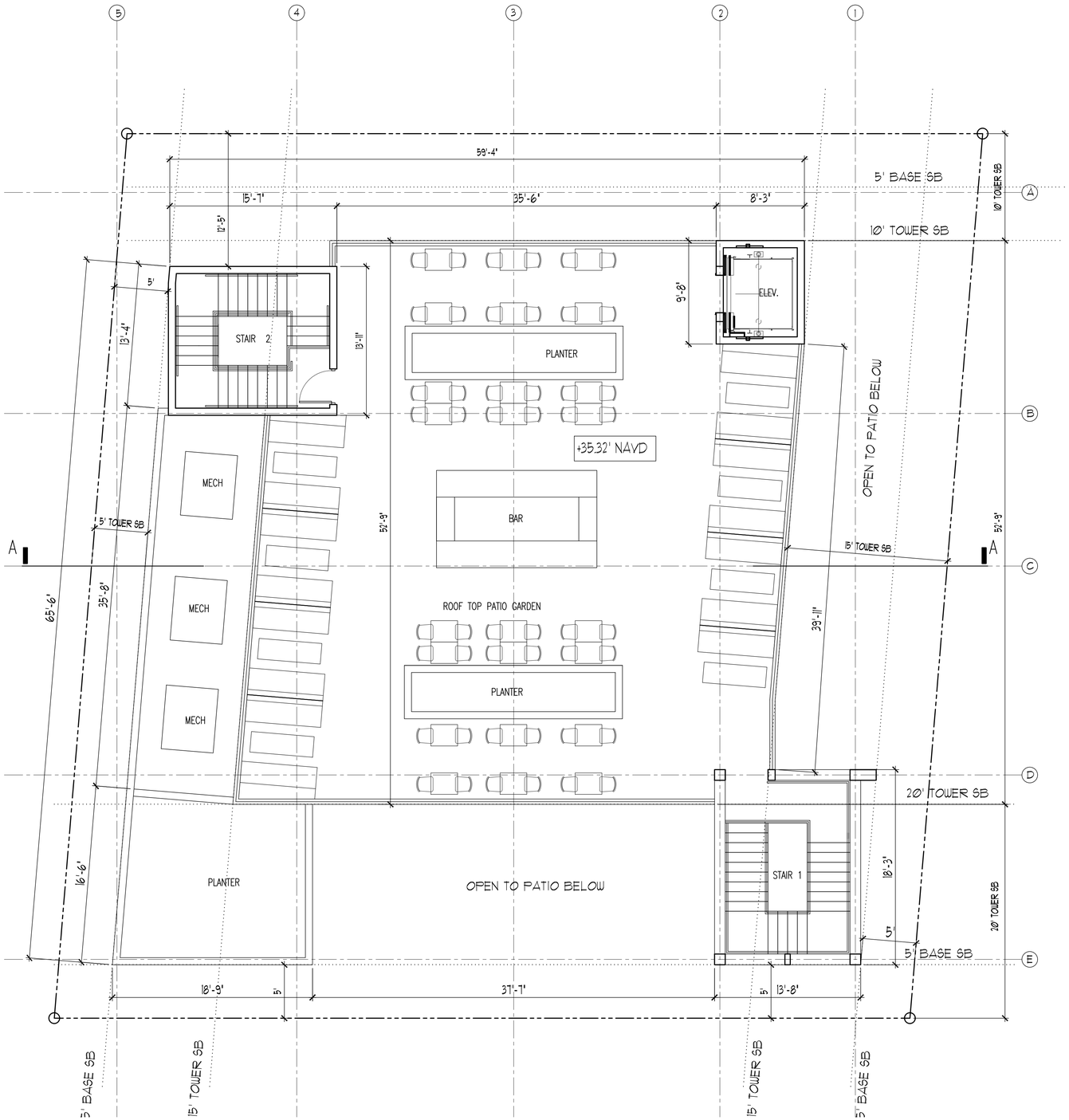
CHECKED BY:	JBK

SHEET

A-3

1 OF 1

Notes: 1) All contractors are responsible for the work by the Contractor. The Contractor Documents are complementary, and what is required by one shall be as binding as if required by all. performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.



NORTH

1 **ROOF GARDEN PLAN**
SCALE: 3/16"= 1'-0"

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ROOF GARDEN PLAN

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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DATE: 4-23-18
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CHECKED BY: JBK

SHEET

A-4

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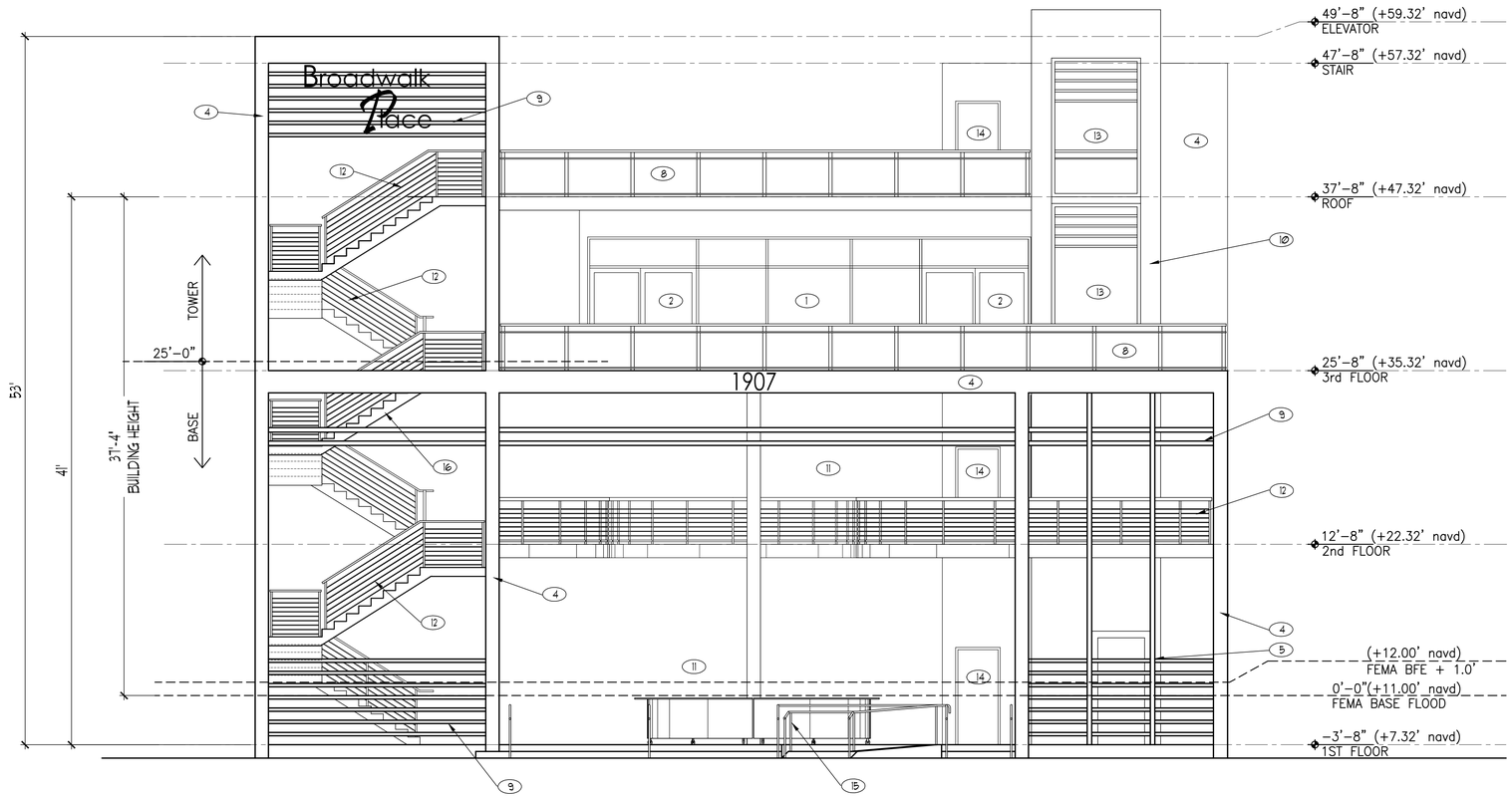

1. TINTED IMPACT RESISTANT STOREFRONT
2. TINTED IMPACT RESISTANT SLIDING GLASS DOORS
3. TINTED IMPACT RESISTANT WINDOWS
4. SMOOTH STUCCO WALL FINISH
5. POWDER COATED GALVANIZED METAL COLUMNS
6. CONCRETE COLUMN WITH SMOOTH STUCCO FINISH
7. NOT USED
8. IMPACT RESISTANT ALUMINUM AND GLASS GUARD RAILING
9. POWDER COATED GALVANIZED METAL HORIZONTAL RAIL
10. ELEVATOR SHAFT
11. MOVABLE KIOSKS BEYOND
12. POWDER COATED METAL HORIZONTAL PICKET GUARD RAIL
13. IMPACT RESISTANT GLASS IN ELEVATOR SHAFT
14. IMPACT RESISTANT HOLLOW METAL DOORS
15. POWDER COATED METAL HANDRAIL
16. CONCRETE STAIRWELL
17. HORIZONTAL AND VERTICAL STUCCO SCORING
18. IMPACT RESISTANT ROLL UP DOOR

1 **EAST ELEVATION**
SCALE: 3/16"= 1'-0"

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SEAL

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PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
ELEVATIONS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: ELEVATIONS

SHEET
A-5
1 OF 1

Contractor shall provide work of building Documents in preparing Bids, decide the Owner or Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete or preliminary sets of Building Documents. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. The Contractor shall be responsible for all performance by the Contractor shall be required by all performance by the Contractor shall be required by the Contractor to produce the intended results.

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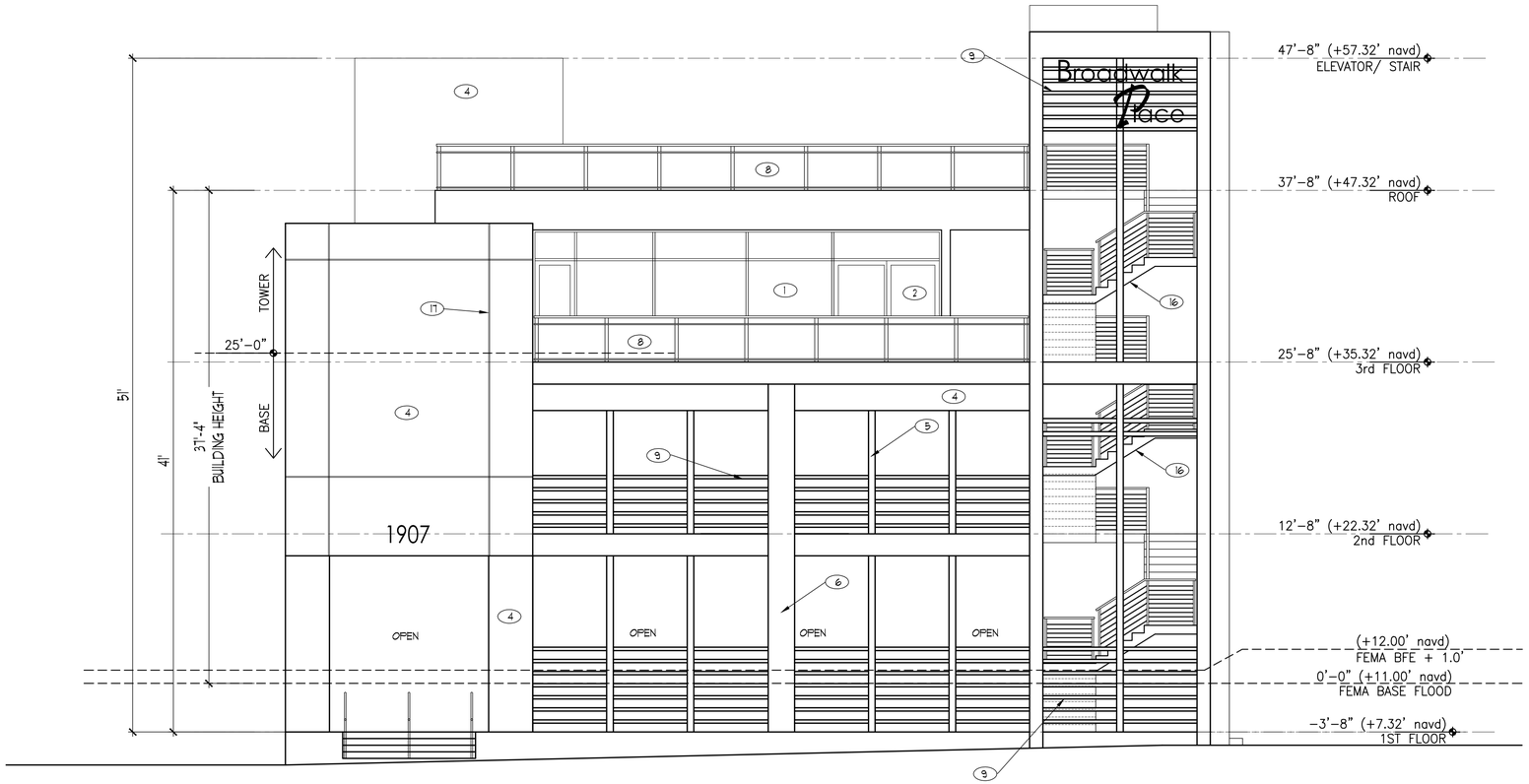

1. TINTED IMPACT RESISTANT STOREFRONT
2. TINTED IMPACT RESISTANT SLIDING GLASS DOORS
3. TINTED IMPACT RESISTANT WINDOWS
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16. CONCRETE STAIRWELL
17. HORIZONTAL AND VERTICAL STUCCO SCORING
18. IMPACT RESISTANT ROLL UP DOOR

1 **SOUTH ELEVATION**
SCALE: 3/16"= 1'-0"

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SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
ELEVATIONS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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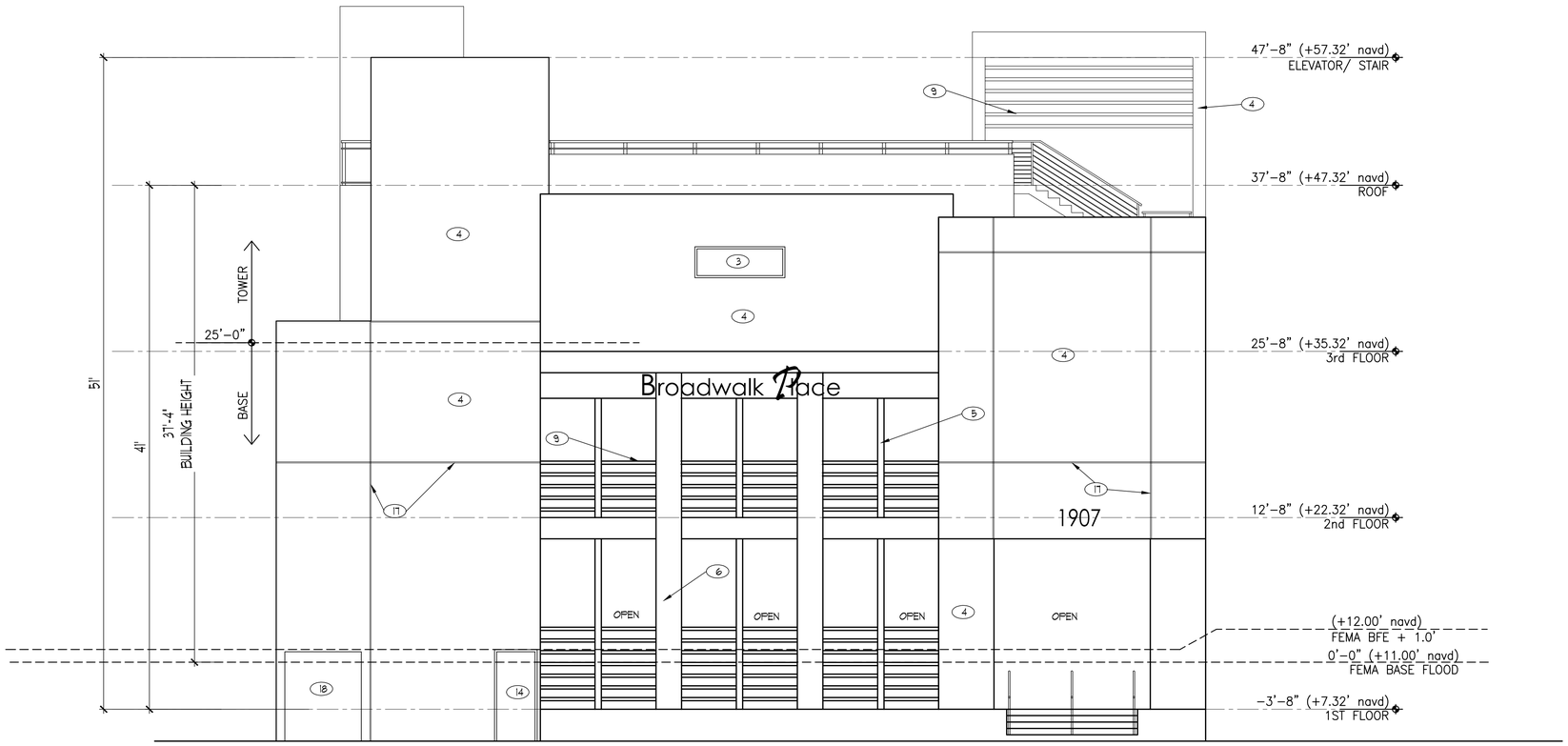
PROJECT No.:	18063
DATE:	4-23-18
DRAWN BY:	TMS
CHECKED BY:	ELEVATIONS

SHEET

A-6

1 OF 1

Notes shall are complete sets of Bidding Documents is prepared by, and/or the Owner by Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete or preliminary sets of Bidding Documents. The intent of the Contract Documents is to include all items necessary for the proper execution and construction of the work by the Contractor. The Contractor Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.



1. TINTED IMPACT RESISTANT STOREFRONT
2. TINTED IMPACT RESISTANT SLIDING GLASS DOORS
3. TINTED IMPACT RESISTANT WINDOWS
4. SMOOTH STUCCO WALL FINISH
5. POWDER COATED GALVANIZED METAL COLUMNS
6. CONCRETE COLUMN WITH SMOOTH STUCCO FINISH
7. NOT USED
8. IMPACT RESISTANT ALUMINUM AND GLASS GUARD RAILING
9. POWDER COATED GALVANIZED METAL HORIZONTAL RAIL
10. ELEVATOR SHAFT
11. MOVABLE KIOSKS BEYOND
12. POWDER COATED METAL HORIZONTAL PICKET GUARD RAIL
13. IMPACT RESISTANT GLASS IN ELEVATOR SHAFT
14. IMPACT RESISTANT HOLLOW METAL DOORS
15. POWDER COATED METAL HANDRAIL
16. CONCRETE STAIRWELL
17. HORIZONTAL AND VERTICAL STUCCO SCORING
18. IMPACT RESISTANT ROLL UP DOOR

1 **WEST ELEVATION**
SCALE: 3/16"= 1'-0"

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1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
ELEVATIONS

REVISIONS

No.	DATE	DESCRIPTION
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2		

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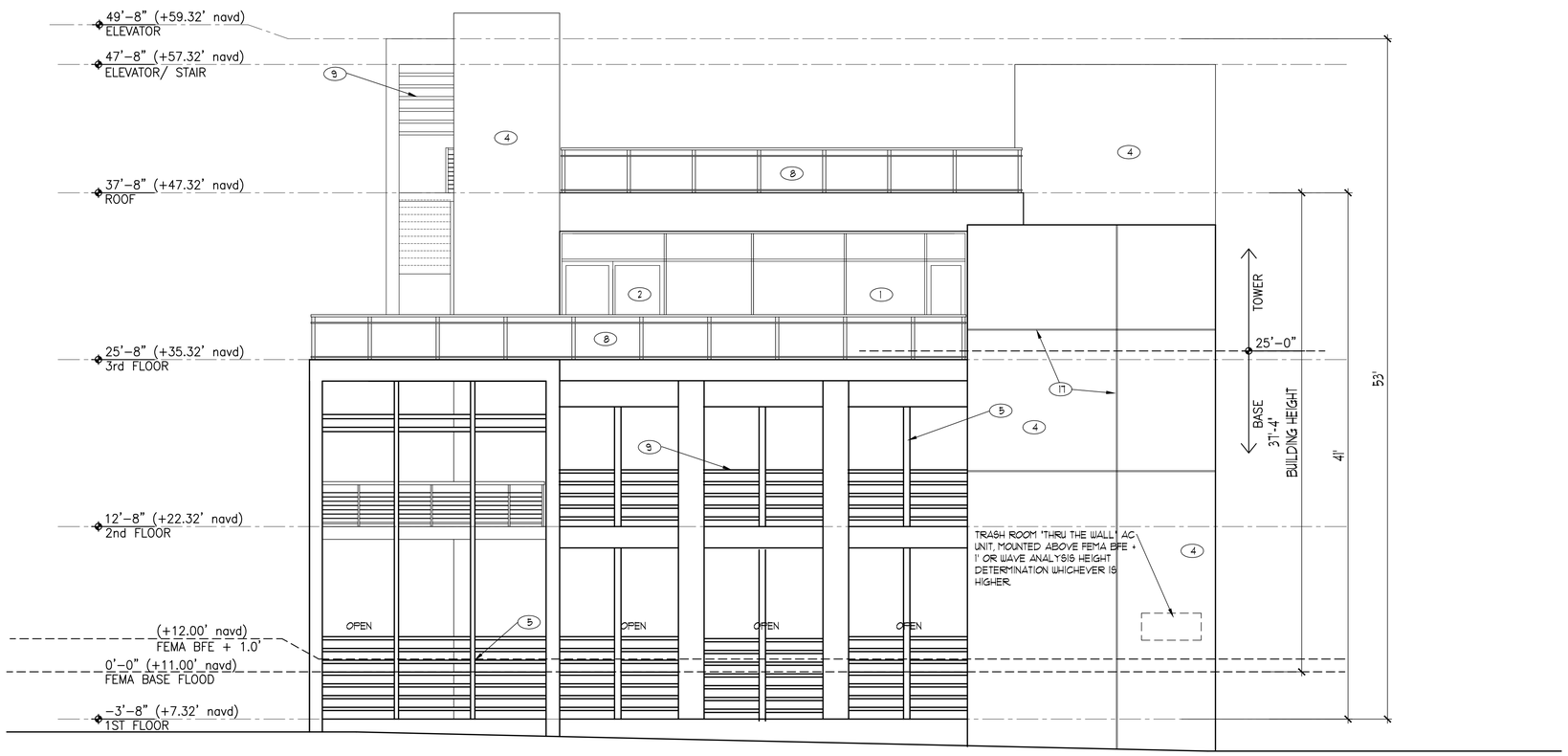
PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: ELEVATIONS

SHEET
A-7
1 OF 1

Notes and complete sets of Building Documents in preparing bids, neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete or preliminary sets of Building Documents. The seal of the Contract Documents is to include all items necessary for the proper execution and construction of the work by the Contractor. The Contractor Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.



1. TINTED IMPACT RESISTANT STOREFRONT
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3. TINTED IMPACT RESISTANT WINDOWS
4. SMOOTH STUCCO WALL FINISH
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7. NOT USED
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10. ELEVATOR SHAFT
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15. POWDER COATED METAL HANDRAIL
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18. IMPACT RESISTANT ROLL UP DOOR

1 **NORTH ELEVATION**
SCALE: 3/16"= 1'-0"

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PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
ELEVATIONS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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PROJECT No.:	18063
DATE:	4-23-18
DRAWN BY:	TMS
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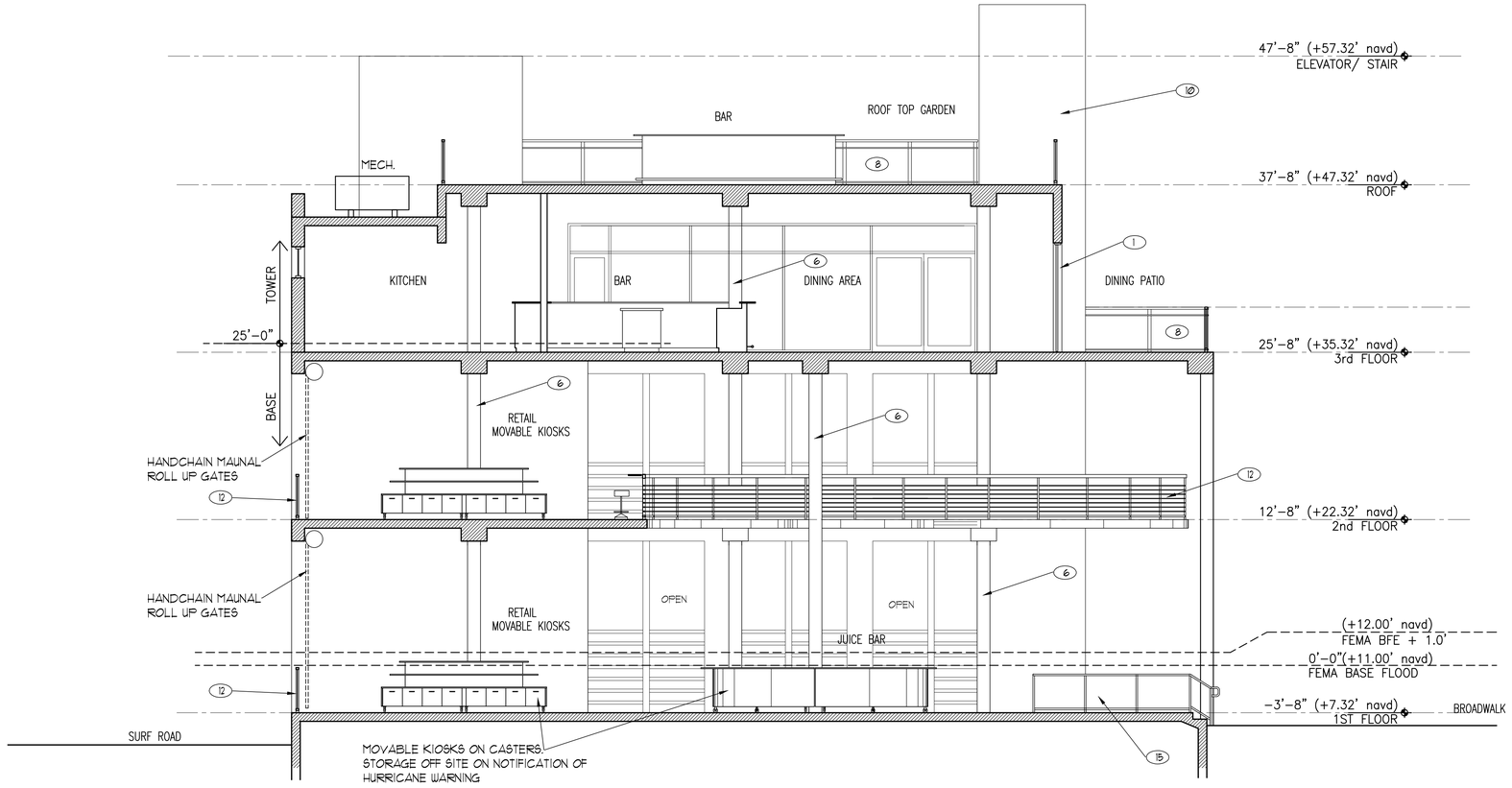
SHEET
A-8
1 OF 1

Contractor shall use properties and dimensions of the work by the Contractor. The Contractor Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.
Contractor shall verify and coordinate all Building Documents by providing both, whether by Owner or Architect assumes responsibility for errors or omissions resulting from the use of incomplete or preliminary sets of Building Documents. The seal of the Contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor.



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1 **SECTION A-A**
SCALE: 3/16"= 1'-0"

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PROJECT TITLE
MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
BUILDING SECTION

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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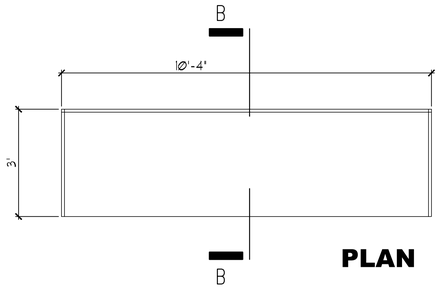
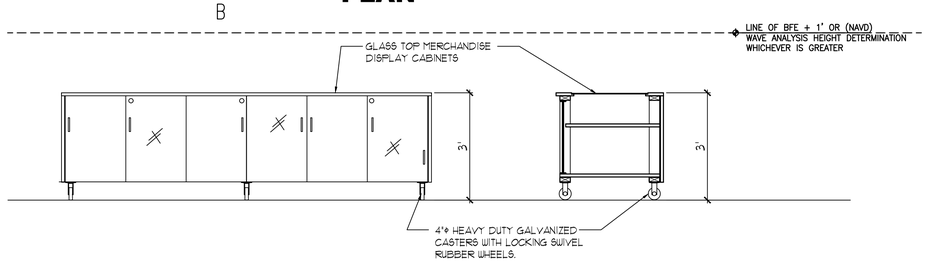
PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
CHECKED BY: ELEVATIONS

SHEET
A-9
1 OF 1

Contractor shall use corporate seal of Building Documents to processing bids, render the Owner or Architect assumes responsibility for errors or misrepresentations resulting from the use of incomplete or preliminary sets of Building Documents. The seal of the Contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. The Contractor shall be required to perform all work shown on the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.

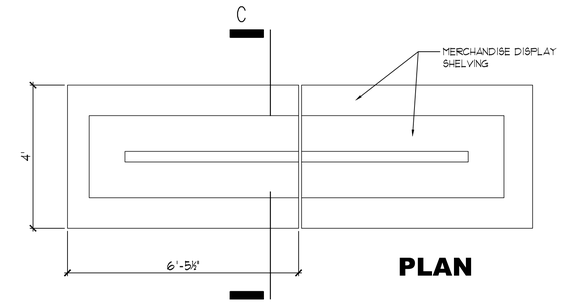


PLAN



ELEVATION **SECTION B-B**

KIOSK TYPE 1



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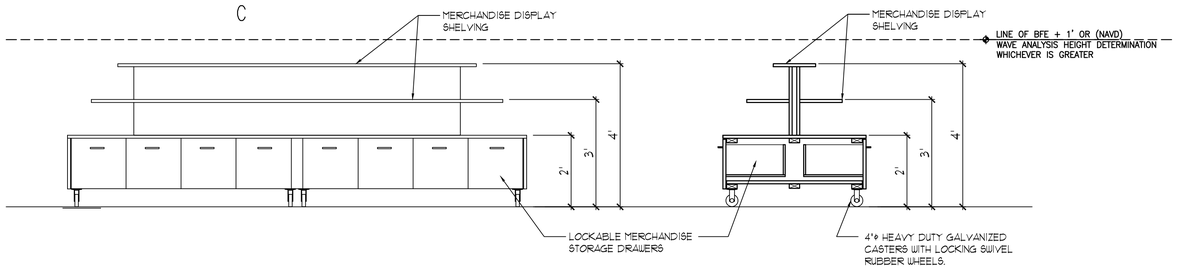
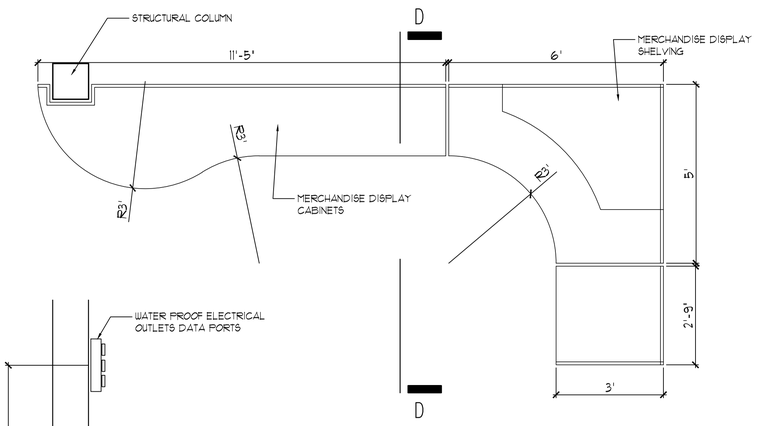


ELEVATION **SECTION C-C**

KIOSK TYPE 3



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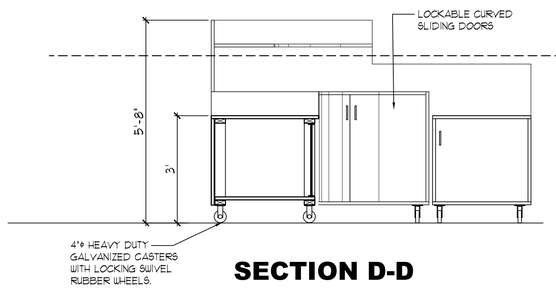
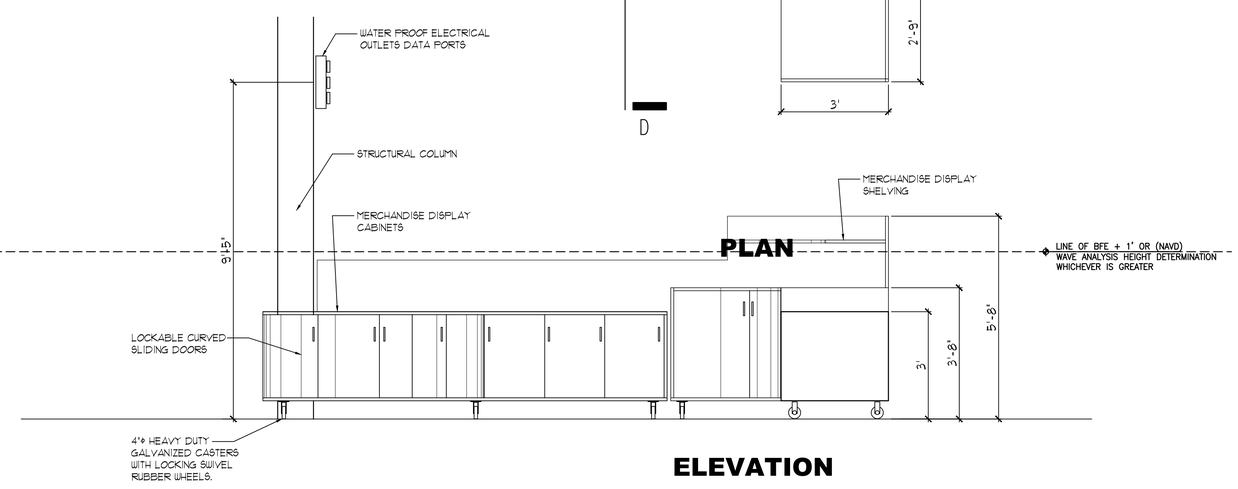


SECTION D-D



ELEVATION

KIOSK TYPE 2

1 **KIOSK DETAILS**
SCALE: 1/2"= 1'-0"

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MIXED USE
RETAIL AND RESTAURANT
1907 N. SURF ROAD
HOLLYWOOD FL 33019

SHEET TITLE
KIOSK DETAILS

REVISIONS

No.	DATE	DESCRIPTION
1	5-14-18	PRELIM TAC
2		

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PROJECT No.: 18063
DATE: 4-23-18
DRAWN BY: TMS
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SHEET

A-10

1 OF 1

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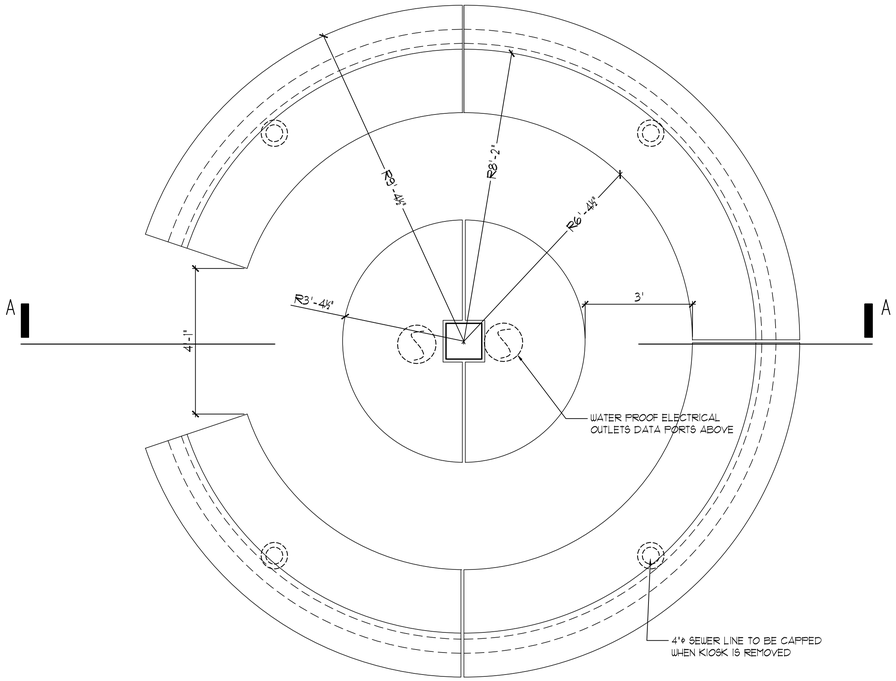
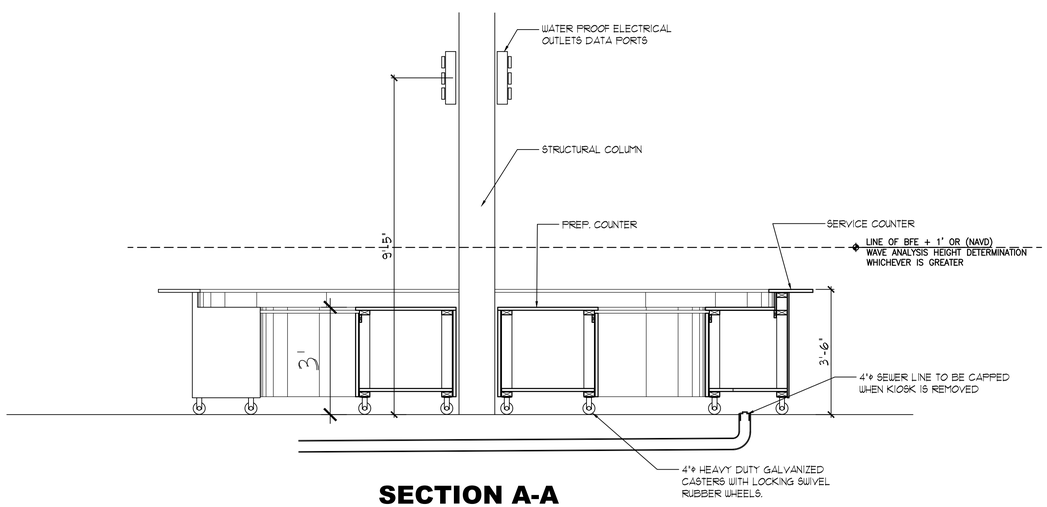


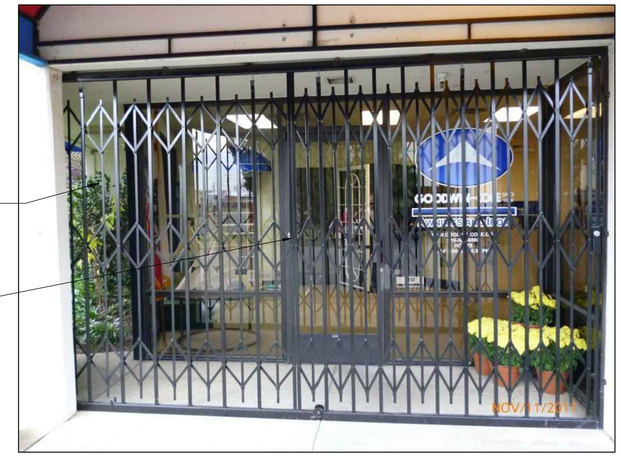
PLAN



SECTION A-A

KIOSK TYPE 4

1 **KIOSK DETAILS**
SCALE: 1/2"= 1'-0"



FOLDING METAL GATE
GATE WILL REMAIN OPEN DURING HOURS OF PERATION

FOLDING GATE

HANDCHAIN MANUAL OPERATION
GATE WILL REMAIN OPEN DURING HOURS OF PERATION

ROLL UP GATE

2 **SECURITY GATES DETAILS**
SCALE: 1/4"= 1'-0"

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HOLLYWOOD FL 33019

SHEET TITLE
KIOSK DETAILS
SECURITY GATE DETAIL

REVISIONS

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SHEET

A-11

1 OF 1

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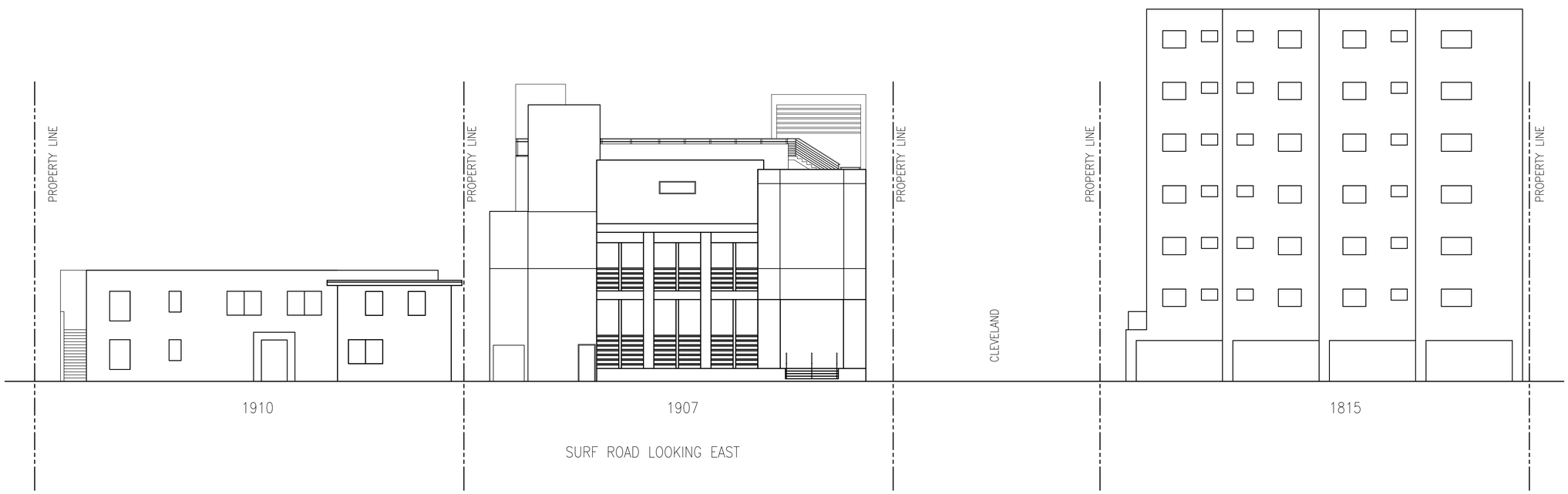

1 **CONTEXTUAL STREET ELEVATION**
SCALE: 3/32"= 1'-0"

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SHEET TITLE
CONTEXTUAL STREET
ELEVATIONS

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SHEET

A-12

1 OF 1

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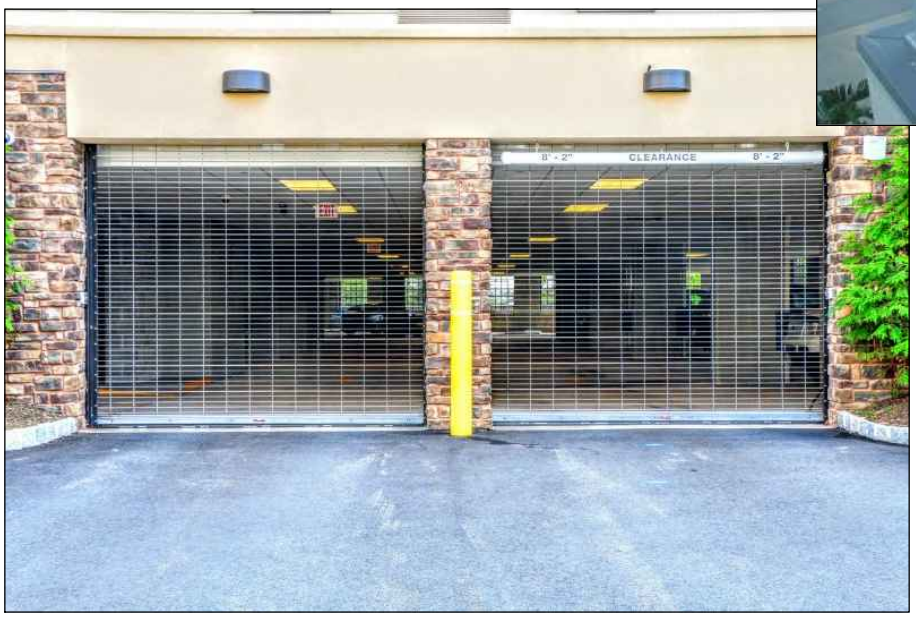
1907 N. Surf Road

HOLLYWOOD FLORIDA

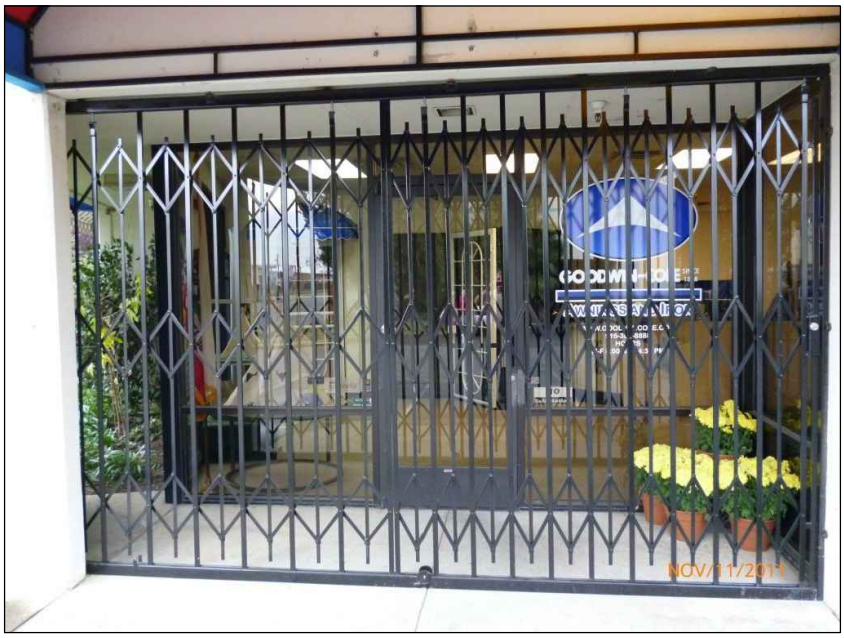
balcony railing



roll up gates

HANDCHAIN MANUAL OPERATION
GATE WILL REMAIN OPEN DURING
HOURS OF PERATION

folding gates



FOLDING METAL GATE
GATE WILL REMAIN OPEN DURING
HOURS OF PERATION

1907 N. Surf Road

HOLLYWOOD FLORIDA

main building color

benjamin moore OC-69
white opulence

accent color

benjamin moore 2029-20
baby fern

accent color

benjamin moore 2014-20
rumba orange

accent color

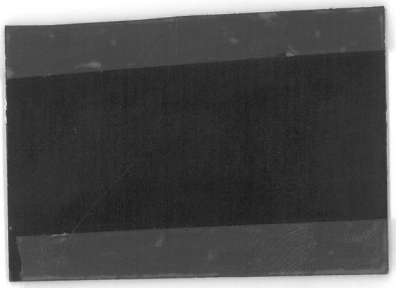
benjamin moore 2021-30
sunshine

1907 N. Surf Road

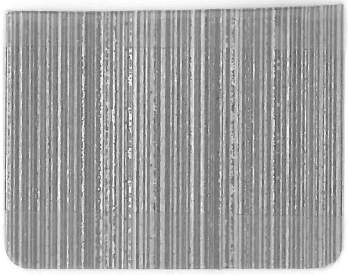
HOLLYWOOD FLORIDA

kiosk finishes

counter top
formica black
gloss finish



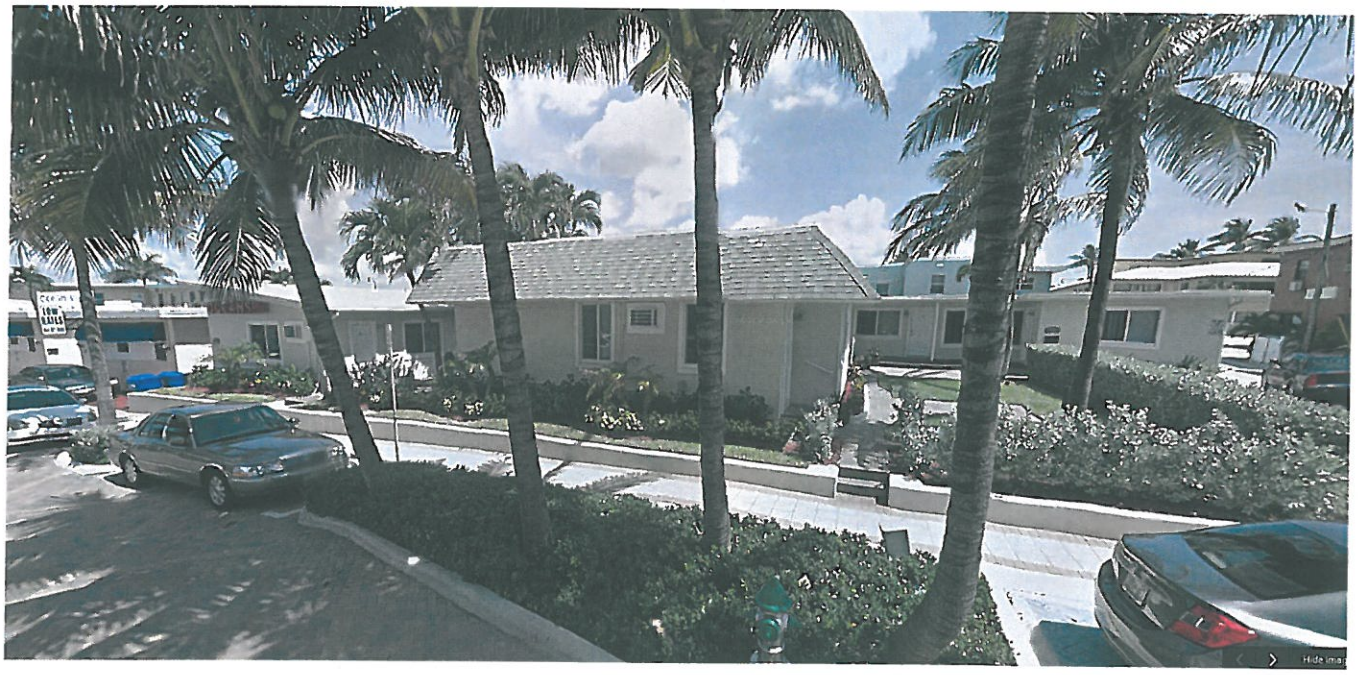
cabinet finish
wilsonart
mercury stria



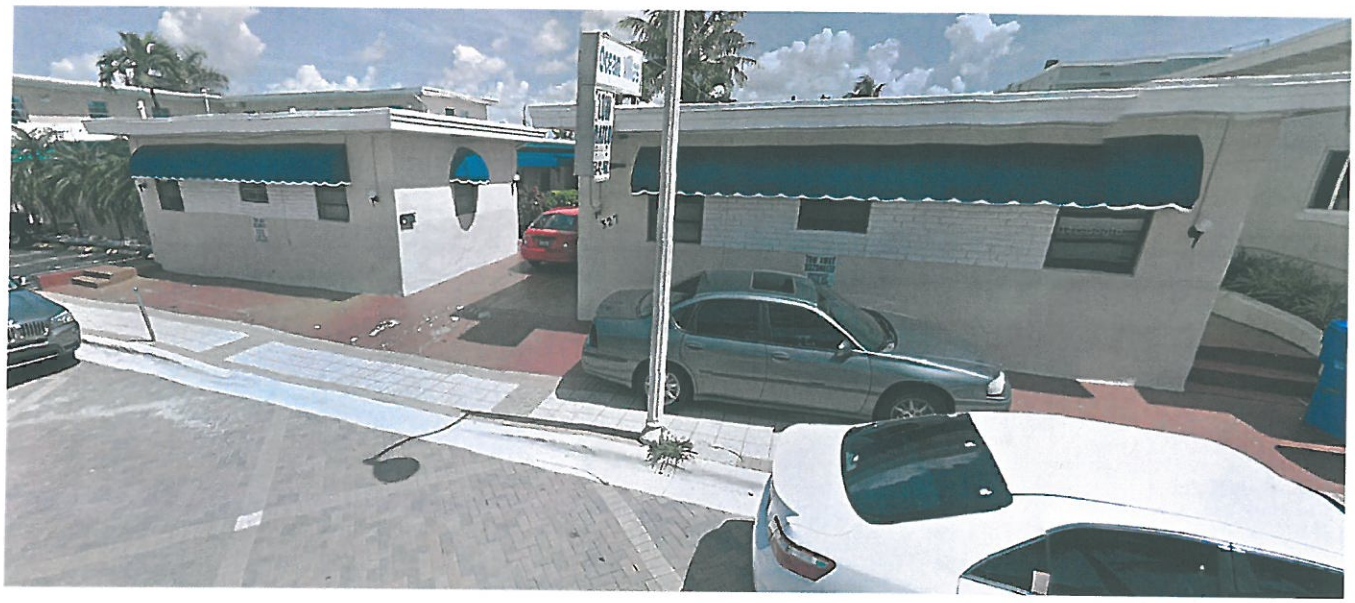
1901. N. SURF RD

SITE (looking north-east) 1907 N. SURF ROAD

1910 N. SURF ROAD



315 CLEVELAND STREET



327 CLEVELAND ST.

1815 N. SURF RD.